

ANALYTICAL REPORT

Job Number: 460-99997-1

Job Description: HW11-191/Princeton

For:
EcolSciences, Inc.
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Attention: Mr. Peter Hansen



Approved for release.
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9/3/2015 1:03 PM

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09/03/2015

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DATA KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name: TestAmerica Edison **Client:** EcoSciences, Inc.
Project Location: HW11-191/Princeton **Project Number:** 460-99997
Laboratory Sample ID (s): 1 ~ 22 **Sampling Date (s):** 8/20/15
List DKQP Methods Used: 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	Yes ☒	No ☐
1A	Were the method specified handling, preservation and holding time requirements met?	Yes ☒	No ☐
1B	<u>EPH Method</u> : Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	Yes ☐	No ☐ N/A ☒
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes ☒	No ☐
3	Were samples received at an appropriate temperature (4±2°C)?	Yes ☒	No ☐ N/A ☐
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	Yes ☒	No ☐
5	a) Were reporting limits specified or referenced on the chain-of custody or communicated to the laboratory prior to sample receipt?	Yes ☒	No ☐
	b) Were these reporting limits met?	Yes ☒	No ☐ N/A ☐
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	Yes ☒	No ☐
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes ☐	No ☒

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Data of Known Quality."

DATA KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name:	TestAmerica Edison	Client:	EcolSciences, Inc.
Project Location:	Bloomfield	Project Number:	460-99997
Laboratory Sample ID (s):	460-99997: 1-22	Sampling Date (s):	8/20/15
List DKQP Methods Used: 8270D			

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	Yes ☒	No ☐
1A	Were the method specified handling, preservation and holding time requirements met?	Yes ☒	No ☐
1B	<u>EPH Method</u> : Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	Yes ☐	No ☐ N/A ☒
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes ☒	No ☐
3	Were samples received at an appropriate temperature (4±2°C)?	Yes ☒	No ☐ N/A ☐
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	Yes ☐	No ☒
5	a) Were reporting limits specified or referenced on the chain-of custody or communicated to the laboratory prior to sample receipt?	Yes ☒	No ☐
	b) Were these reporting limits met?	Yes ☒	No ☐ N/A ☐
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	Yes ☒	No ☐
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes ☐	No ☒

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Data of Known Quality."

DATA KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name:	TestAmerica Edison	Client:	EcolSciences, Inc.
Project Location:	HW11-191/ Princeton	Project Number:	460-99997-1
Laboratory Sample ID (s):	99997- 1 to 22	Sampling Date (s):	8/20/15
List DKQP Methods Used: 6020A, 7471B			

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	Yes ☒	No ☐
1A	Were the method specified handling, preservation and holding time requirements met?	Yes ☒	No ☐
1B	<u>EPH Method</u> : Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	Yes ☐	No ☐ N/A ☒
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes ☒	No ☐
3	Were samples received at an appropriate temperature (4±2°C)?	Yes ☒	No ☐ N/A ☐
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	Yes ☐	No ☒
5	a) Were reporting limits specified or referenced on the chain-of custody or communicated to the laboratory prior to sample receipt?	Yes ☒	No ☐
	b) Were these reporting limits met?	Yes ☒	No ☐ N/A ☐
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	Yes ☒	No ☐
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes ☐	No ☒

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in a attached narrative. If the answer to question #1, 1A, or #1B is "No", the data package does not meet the requirements for "Data of Known Quality."

CASE NARRATIVE

Client: EcolSciences, Inc.

Project: HW11-191/Princeton

Report Number: 460-99997-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 8/21/2015 12:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.5° C.

Receipt Exceptions

The project samples were activated for TAL Metals analysis by the client on August 26, 2015.

Per client instructions on 8/28/15, the following samples were extracted for EPH (frac), TCL Pest and TCL BNA: -7, -8, -9, -11, -18 and -19.

The remaining VOC and Cyanide contingencies were cancelled by the client on September 2, 2015.

Per client instructions on September 03, 2015, the following hold analyses were moved to TestAmerica job #460-99997-2: ES-7 (460-99997-7), ES-8 (460-99997-8), ES-9 (460-99997-9), ES-11 (460-99997-11), ES-18 (460-99997-18), ES-19 (460-99997-19).

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

SEMIVOLATILE ORGANIC COMPOUNDS DKQP

Samples ES-1 (460-99997-1), ES-2 (460-99997-2), ES-3 (460-99997-3), ES-4 (460-99997-4), ES-5 (460-99997-5), ES-6 (460-99997-6), ES-7 (460-99997-7), ES-8 (460-99997-8), ES-9 (460-99997-9), ES-10 (460-99997-10), ES-11 (460-99997-11), ES-12 (460-99997-12), ES-13 (460-99997-13), ES-14 (460-99997-14), ES-15 (460-99997-15), ES-16 (460-99997-16), ES-17 (460-99997-17), ES-18 (460-99997-18), ES-19 (460-99997-19), ES-20 (460-99997-20), ES-21 (460-99997-21) and ES-22 (460-99997-22) were analyzed for Semivolatile Organic Compounds in accordance with EPA SW-846 Method 8270D_DKQP. The samples were prepared on 08/21/2015 and analyzed on 08/22/2015, 08/24/2015 and 08/25/2015.

Acenaphthylene and Naphthalene failed the recovery criteria low for the MS of sample ES-21MS (460-99997-21) in batch 460-318191.

Several analytes failed the recovery criteria low for the MSD of sample ES-21MSD (460-99997-21) in batch 460-318191.

Benzo[b]fluoranthene and Pyrene failed the recovery criteria low for the MS of sample ES-2MS (460-99997-2) in batch 460-318357.

Pyrene failed the recovery criteria low for the MSD of sample ES-2MSD (460-99997-2) in batch 460-318357.

The following laboratory control sample (LCS) associated with batch preparation batch 460-318152 and analytical batch 460-318190 contained one acid/base surrogate outside acceptance limits. The laboratory's SOP allows one acid and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

The following laboratory control sample (LCS) associated with batch preparation batch 460-318158 and analytical batch 460-318190 contained one acid/base surrogate outside acceptance limits. The laboratory's SOP allows one acid and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: ES-10 (460-99997-10). These results have been reported and qualified.

Refer to the QC report for details.

The following sample was diluted due to abundance of non-target analytes: ES-17 (460-99997-17). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Samples ES-3 (460-99997-3)[2X], ES-9 (460-99997-9)[2X], ES-16 (460-99997-16)[5X], ES-17 (460-99997-17)[2X], ES-18 (460-99997-18)[2X] and ES-19 (460-99997-19)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the Semivolatile Organic Compounds analysis.

All other quality control parameters were within the acceptance limits.

PCBS DKQP

Samples ES-1 (460-99997-1), ES-2 (460-99997-2), ES-3 (460-99997-3), ES-4 (460-99997-4), ES-5 (460-99997-5), ES-6 (460-99997-6), ES-7 (460-99997-7), ES-8 (460-99997-8), ES-9 (460-99997-9), ES-10 (460-99997-10), ES-11 (460-99997-11), ES-12 (460-99997-12), ES-13 (460-99997-13), ES-14 (460-99997-14), ES-15 (460-99997-15), ES-16 (460-99997-16), ES-17 (460-99997-17), ES-18 (460-99997-18), ES-19 (460-99997-19), ES-20 (460-99997-20), ES-21 (460-99997-21) and ES-22 (460-99997-22) were analyzed for PCBs in accordance with EPA SW-846 8082A DKQP. The samples were prepared on 08/21/2015 and analyzed on 08/22/2015 and 08/23/2015.

Aroclor 1260 failed the recovery criteria high for the MS/MSD of sample ES-21 (460-99997-21) in batch 460-318197.

Aroclor 1260 failed the recovery criteria high for the MS of sample ES-2 (460-99997-2) in batch 460-318286.

Refer to the QC report for details.

No other difficulties were encountered during the PCBs DKQP analysis.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples ES-1 (460-99997-1), ES-2 (460-99997-2), ES-3 (460-99997-3), ES-4 (460-99997-4), ES-5 (460-99997-5), ES-6 (460-99997-6), ES-7 (460-99997-7), ES-8 (460-99997-8), ES-9 (460-99997-9), ES-10 (460-99997-10), ES-11 (460-99997-11), ES-12 (460-99997-12), ES-13 (460-99997-13), ES-14 (460-99997-14), ES-15 (460-99997-15), ES-16 (460-99997-16), ES-17 (460-99997-17), ES-18 (460-99997-18), ES-19 (460-99997-19), ES-20 (460-99997-20), ES-21 (460-99997-21) and ES-22 (460-99997-22) were analyzed for Percent Solids/Percent Moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 08/22/2015.

No difficulties were encountered during the %Solids/Moisture analysis.

All quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-99997-1	ES-1	Solid	08/20/2015 0845	08/21/2015 1230
460-99997-2	ES-2	Solid	08/20/2015 0901	08/21/2015 1230
460-99997-3	ES-3	Solid	08/20/2015 0925	08/21/2015 1230
460-99997-4	ES-4	Solid	08/20/2015 0937	08/21/2015 1230
460-99997-5	ES-5	Solid	08/20/2015 0957	08/21/2015 1230
460-99997-6	ES-6	Solid	08/20/2015 1010	08/21/2015 1230
460-99997-7	ES-7	Solid	08/20/2015 1035	08/21/2015 1230
460-99997-8	ES-8	Solid	08/20/2015 1058	08/21/2015 1230
460-99997-9	ES-9	Solid	08/20/2015 1120	08/21/2015 1230
460-99997-10	ES-10	Solid	08/20/2015 1135	08/21/2015 1230
460-99997-11	ES-11	Solid	08/20/2015 1158	08/21/2015 1230
460-99997-12	ES-12	Solid	08/20/2015 1230	08/21/2015 1230
460-99997-13	ES-13	Solid	08/20/2015 1239	08/21/2015 1230
460-99997-14	ES-14	Solid	08/20/2015 1251	08/21/2015 1230
460-99997-15	ES-15	Solid	08/20/2015 1320	08/21/2015 1230
460-99997-16	ES-16	Solid	08/20/2015 1337	08/21/2015 1230
460-99997-17	ES-17	Solid	08/20/2015 1353	08/21/2015 1230
460-99997-18	ES-18	Solid	08/20/2015 1420	08/21/2015 1230
460-99997-19	ES-19	Solid	08/20/2015 1437	08/21/2015 1230
460-99997-20	ES-20	Solid	08/20/2015 1450	08/21/2015 1230
460-99997-21	ES-21	Solid	08/20/2015 1537	08/21/2015 1230
460-99997-22	ES-22	Solid	08/20/2015 1601	08/21/2015 1230

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-99997-1	ES-1					
Naphthalene		0.013	J	0.41	mg/Kg	8270D
Acenaphthene		0.027	J	0.41	mg/Kg	8270D
Fluorene		0.021	J	0.41	mg/Kg	8270D
Phenanthrene		0.18	J	0.41	mg/Kg	8270D
Fluoranthene		0.24	J	0.41	mg/Kg	8270D
Pyrene		0.20	J	0.41	mg/Kg	8270D
Benzo[a]anthracene		0.10		0.041	mg/Kg	8270D
Chrysene		0.12	J	0.41	mg/Kg	8270D
Benzo[b]fluoranthene		0.13		0.041	mg/Kg	8270D
Benzo[k]fluoranthene		0.052		0.041	mg/Kg	8270D
Benzo[a]pyrene		0.096		0.041	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		0.083		0.041	mg/Kg	8270D
Benzo[g,h,i]perylene		0.066	J	0.41	mg/Kg	8270D
Aluminum		20000		21.8	mg/Kg	6020A
Arsenic		7.7		1.1	mg/Kg	6020A
Barium		146		2.2	mg/Kg	6020A
Beryllium		1.2		0.44	mg/Kg	6020A
Calcium		4620		109	mg/Kg	6020A
Chromium		28.6		2.2	mg/Kg	6020A
Cobalt		12.3		2.2	mg/Kg	6020A
Copper		25.2		2.2	mg/Kg	6020A
Iron		25000		65.5	mg/Kg	6020A
Potassium		2470		109	mg/Kg	6020A
Magnesium		5240		109	mg/Kg	6020A
Manganese		702		4.4	mg/Kg	6020A
Sodium		440		109	mg/Kg	6020A
Nickel		20.9		2.2	mg/Kg	6020A
Lead		29.5		0.65	mg/Kg	6020A
Selenium		0.66	J	5.5	mg/Kg	6020A
Thallium		0.27	J	0.44	mg/Kg	6020A
Vanadium		53.4		2.2	mg/Kg	6020A
Zinc		71.8		8.7	mg/Kg	6020A
Mercury		0.063		0.020	mg/Kg	7471B
Percent Moisture		19.6		1.0	%	Moisture
Percent Solids		80.4		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-99997-2	ES-2					
Acenaphthene		0.010	J	0.36	mg/Kg	8270D
Phenanthrene		0.096	J	0.36	mg/Kg	8270D
Fluoranthene		0.15	J	0.36	mg/Kg	8270D
Pyrene		0.13	J	0.36	mg/Kg	8270D
Benzo[a]anthracene		0.079		0.036	mg/Kg	8270D
Chrysene		0.099	J	0.36	mg/Kg	8270D
Benzo[b]fluoranthene		0.10		0.036	mg/Kg	8270D
Benzo[k]fluoranthene		0.040		0.036	mg/Kg	8270D
Benzo[a]pyrene		0.073		0.036	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		0.059		0.036	mg/Kg	8270D
Dibenz(a,h)anthracene		0.021	J	0.036	mg/Kg	8270D
Benzo[g,h,i]perylene		0.068	J	0.36	mg/Kg	8270D
Aluminum		20200		21.6	mg/Kg	6020A
Arsenic		13.0		1.1	mg/Kg	6020A
Barium		111		2.2	mg/Kg	6020A
Beryllium		1.7		0.43	mg/Kg	6020A
Calcium		5260		108	mg/Kg	6020A
Chromium		47.4		2.2	mg/Kg	6020A
Cobalt		23.8		2.2	mg/Kg	6020A
Copper		40.9		2.2	mg/Kg	6020A
Iron		39900		64.9	mg/Kg	6020A
Potassium		4020		108	mg/Kg	6020A
Magnesium		9650		108	mg/Kg	6020A
Manganese		908		4.3	mg/Kg	6020A
Sodium		337		108	mg/Kg	6020A
Nickel		30.9		2.2	mg/Kg	6020A
Lead		26.0		0.65	mg/Kg	6020A
Selenium		0.46	J	5.4	mg/Kg	6020A
Thallium		0.45		0.43	mg/Kg	6020A
Vanadium		83.7		2.2	mg/Kg	6020A
Zinc		82.9		8.6	mg/Kg	6020A
Mercury		0.31		0.018	mg/Kg	7471B
Percent Moisture		9.3		1.0	%	Moisture
Percent Solids		90.7		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-99997-3	ES-3					
Acenaphthene		0.029	J	0.74	mg/Kg	8270D
Fluorene		0.023	J	0.74	mg/Kg	8270D
Phenanthrene		0.31	J	0.74	mg/Kg	8270D
Anthracene		0.072	J	0.74	mg/Kg	8270D
Fluoranthene		0.63	J	0.74	mg/Kg	8270D
Pyrene		0.46	J	0.74	mg/Kg	8270D
Benzo[a]anthracene		0.27		0.074	mg/Kg	8270D
Chrysene		0.33	J	0.74	mg/Kg	8270D
Benzo[b]fluoranthene		0.31		0.074	mg/Kg	8270D
Benzo[k]fluoranthene		0.12		0.074	mg/Kg	8270D
Benzo[a]pyrene		0.25		0.074	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		0.24		0.074	mg/Kg	8270D
Dibenz(a,h)anthracene		0.065	J	0.074	mg/Kg	8270D
Benzo[g,h,i]perylene		0.21	J	0.74	mg/Kg	8270D
Aluminum		13000		21.5	mg/Kg	6020A
Arsenic		7.3		1.1	mg/Kg	6020A
Barium		52.7		2.2	mg/Kg	6020A
Beryllium		0.72		0.43	mg/Kg	6020A
Calcium		30100		108	mg/Kg	6020A
Chromium		36.9		2.2	mg/Kg	6020A
Cobalt		10.5		2.2	mg/Kg	6020A
Copper		54.0		2.2	mg/Kg	6020A
Iron		25500		64.5	mg/Kg	6020A
Potassium		2200		108	mg/Kg	6020A
Magnesium		8350		108	mg/Kg	6020A
Manganese		390		4.3	mg/Kg	6020A
Sodium		824		108	mg/Kg	6020A
Nickel		27.9		2.2	mg/Kg	6020A
Lead		15.5		0.65	mg/Kg	6020A
Antimony		0.44	J	1.1	mg/Kg	6020A
Vanadium		47.8		2.2	mg/Kg	6020A
Zinc		57.0		8.6	mg/Kg	6020A
Mercury		0.083		0.019	mg/Kg	7471B
Percent Moisture		11.5		1.0	%	Moisture
Percent Solids		88.5		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-99997-4	ES-4					
Naphthalene		0.095	J	0.40	mg/Kg	8270D
2-Methylnaphthalene		0.059	J	0.40	mg/Kg	8270D
Acenaphthene		0.33	J	0.40	mg/Kg	8270D
Fluorene		0.13	J	0.40	mg/Kg	8270D
Phenanthrene		4.4		0.40	mg/Kg	8270D
Anthracene		0.80		0.40	mg/Kg	8270D
Fluoranthene		4.5		0.40	mg/Kg	8270D
Pyrene		3.3		0.40	mg/Kg	8270D
Benzo[a]anthracene		1.5		0.040	mg/Kg	8270D
Chrysene		1.5		0.40	mg/Kg	8270D
Benzo[b]fluoranthene		1.6		0.040	mg/Kg	8270D
Benzo[k]fluoranthene		0.64		0.040	mg/Kg	8270D
Benzo[a]pyrene		1.1		0.040	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		0.81		0.040	mg/Kg	8270D
Dibenz(a,h)anthracene		0.18		0.040	mg/Kg	8270D
Benzo[g,h,i]perylene		0.71		0.40	mg/Kg	8270D
Aluminum		10700		23.6	mg/Kg	6020A
Arsenic		11.1		1.2	mg/Kg	6020A
Barium		78.8		2.4	mg/Kg	6020A
Beryllium		0.62		0.47	mg/Kg	6020A
Calcium		82500		118	mg/Kg	6020A
Cadmium		0.44	J	1.2	mg/Kg	6020A
Chromium		47.5		2.4	mg/Kg	6020A
Cobalt		4.6		2.4	mg/Kg	6020A
Copper		30.8		2.4	mg/Kg	6020A
Iron		16300		70.9	mg/Kg	6020A
Potassium		2160		118	mg/Kg	6020A
Magnesium		7510		118	mg/Kg	6020A
Manganese		292		4.7	mg/Kg	6020A
Sodium		766		118	mg/Kg	6020A
Nickel		14.7		2.4	mg/Kg	6020A
Lead		32.7		0.71	mg/Kg	6020A
Antimony		1.0	J	1.2	mg/Kg	6020A
Vanadium		34.2		2.4	mg/Kg	6020A
Zinc		146		9.5	mg/Kg	6020A
Mercury		0.26		0.020	mg/Kg	7471B
Percent Moisture		17.8		1.0	%	Moisture
Percent Solids		82.2		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-99997-5	ES-5					
Naphthalene		0.10	J	0.42	mg/Kg	8270D
2-Methylnaphthalene		0.058	J	0.42	mg/Kg	8270D
Acenaphthene		0.40	J	0.42	mg/Kg	8270D
Fluorene		0.19	J	0.42	mg/Kg	8270D
Phenanthrene		4.4		0.42	mg/Kg	8270D
Anthracene		0.92		0.42	mg/Kg	8270D
Fluoranthene		5.2		0.42	mg/Kg	8270D
Pyrene		4.1		0.42	mg/Kg	8270D
Benzo[a]anthracene		1.8		0.042	mg/Kg	8270D
Chrysene		1.8		0.42	mg/Kg	8270D
Benzo[b]fluoranthene		1.9		0.042	mg/Kg	8270D
Benzo[k]fluoranthene		0.73		0.042	mg/Kg	8270D
Benzo[a]pyrene		1.3		0.042	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		1.1		0.042	mg/Kg	8270D
Dibenz(a,h)anthracene		0.26		0.042	mg/Kg	8270D
Benzo[g,h,i]perylene		0.94		0.42	mg/Kg	8270D
Aluminum		11600		25.1	mg/Kg	6020A
Arsenic		10.4		1.3	mg/Kg	6020A
Barium		101		2.5	mg/Kg	6020A
Beryllium		0.65		0.50	mg/Kg	6020A
Calcium		92400		125	mg/Kg	6020A
Chromium		30.5		2.5	mg/Kg	6020A
Cobalt		5.5		2.5	mg/Kg	6020A
Copper		26.8		2.5	mg/Kg	6020A
Iron		13100		75.2	mg/Kg	6020A
Potassium		2100		125	mg/Kg	6020A
Magnesium		9640		125	mg/Kg	6020A
Manganese		406		5.0	mg/Kg	6020A
Sodium		1030		125	mg/Kg	6020A
Nickel		17.6		2.5	mg/Kg	6020A
Lead		39.0		0.75	mg/Kg	6020A
Antimony		1.7		1.3	mg/Kg	6020A
Vanadium		26.0		2.5	mg/Kg	6020A
Zinc		208		10.0	mg/Kg	6020A
Mercury		0.22		0.020	mg/Kg	7471B
Percent Moisture		21.0		1.0	%	Moisture
Percent Solids		79.0		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-99997-6	ES-6					
Naphthalene		0.037	J	0.39	mg/Kg	8270D
2-Methylnaphthalene		0.020	J	0.39	mg/Kg	8270D
Acenaphthene		0.15	J	0.39	mg/Kg	8270D
Fluorene		0.084	J	0.39	mg/Kg	8270D
Phenanthrene		1.4		0.39	mg/Kg	8270D
Anthracene		0.38	J	0.39	mg/Kg	8270D
Fluoranthene		2.3		0.39	mg/Kg	8270D
Pyrene		2.0		0.39	mg/Kg	8270D
Benzo[a]anthracene		0.94		0.039	mg/Kg	8270D
Chrysene		1.0		0.39	mg/Kg	8270D
Benzo[b]fluoranthene		1.0		0.039	mg/Kg	8270D
Benzo[k]fluoranthene		0.40		0.039	mg/Kg	8270D
Benzo[a]pyrene		0.73		0.039	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		0.72		0.039	mg/Kg	8270D
Dibenz(a,h)anthracene		0.18		0.039	mg/Kg	8270D
Benzo[g,h,i]perylene		0.64		0.39	mg/Kg	8270D
Aluminum		18700		21.4	mg/Kg	6020A
Arsenic		12.7		1.1	mg/Kg	6020A
Barium		131		2.1	mg/Kg	6020A
Beryllium		1.2		0.43	mg/Kg	6020A
Calcium		35600		107	mg/Kg	6020A
Chromium		45.2		2.1	mg/Kg	6020A
Cobalt		11.9		2.1	mg/Kg	6020A
Copper		39.4		2.1	mg/Kg	6020A
Iron		27900		64.1	mg/Kg	6020A
Potassium		3810		107	mg/Kg	6020A
Magnesium		8840		107	mg/Kg	6020A
Manganese		512		4.3	mg/Kg	6020A
Sodium		738		107	mg/Kg	6020A
Nickel		23.7		2.1	mg/Kg	6020A
Lead		38.6		0.64	mg/Kg	6020A
Antimony		0.69	J	1.1	mg/Kg	6020A
Selenium		0.43	J	5.3	mg/Kg	6020A
Thallium		0.30	J	0.43	mg/Kg	6020A
Vanadium		58.8		2.1	mg/Kg	6020A
Zinc		155		8.5	mg/Kg	6020A
Mercury		0.22		0.020	mg/Kg	7471B
Percent Moisture		15.6		1.0	%	Moisture
Percent Solids		84.4		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-99997-7	ES-7					
Naphthalene		0.12	J	0.39	mg/Kg	8270D
2-Methylnaphthalene		0.078	J	0.39	mg/Kg	8270D
Acenaphthylene		0.011	J	0.39	mg/Kg	8270D
Acenaphthene		0.39		0.39	mg/Kg	8270D
Fluorene		0.32	J	0.39	mg/Kg	8270D
Phenanthrene		3.7		0.39	mg/Kg	8270D
Anthracene		0.88		0.39	mg/Kg	8270D
Fluoranthene		4.2		0.39	mg/Kg	8270D
Pyrene		3.1		0.39	mg/Kg	8270D
Benzo[a]anthracene		1.6		0.039	mg/Kg	8270D
Chrysene		1.6		0.39	mg/Kg	8270D
Benzo[b]fluoranthene		1.7		0.039	mg/Kg	8270D
Benzo[k]fluoranthene		0.77		0.039	mg/Kg	8270D
Benzo[a]pyrene		1.4		0.039	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		1.4		0.039	mg/Kg	8270D
Dibenz(a,h)anthracene		0.34		0.039	mg/Kg	8270D
Benzo[g,h,i]perylene		1.1		0.39	mg/Kg	8270D
Aluminum		20800		21.0	mg/Kg	6020A
Arsenic		17.2		1.0	mg/Kg	6020A
Barium		120		2.1	mg/Kg	6020A
Beryllium		1.4		0.42	mg/Kg	6020A
Calcium		21000		105	mg/Kg	6020A
Chromium		50.3		2.1	mg/Kg	6020A
Cobalt		13.3		2.1	mg/Kg	6020A
Copper		39.8		2.1	mg/Kg	6020A
Iron		36500		63.0	mg/Kg	6020A
Potassium		4670		105	mg/Kg	6020A
Magnesium		9930		105	mg/Kg	6020A
Manganese		495		4.2	mg/Kg	6020A
Sodium		698		105	mg/Kg	6020A
Nickel		29.7		2.1	mg/Kg	6020A
Lead		41.6		0.63	mg/Kg	6020A
Antimony		1.0		1.0	mg/Kg	6020A
Selenium		0.49	J	5.2	mg/Kg	6020A
Thallium		0.43		0.42	mg/Kg	6020A
Vanadium		65.9		2.1	mg/Kg	6020A
Zinc		110		8.4	mg/Kg	6020A
Mercury		0.10		0.019	mg/Kg	7471B
Percent Moisture		14.9		1.0	%	Moisture
Percent Solids		85.1		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-99997-8	ES-8					
Naphthalene		0.17	J	0.41	mg/Kg	8270D
2-Methylnaphthalene		0.090	J	0.41	mg/Kg	8270D
Acenaphthene		0.53		0.41	mg/Kg	8270D
Fluorene		0.55		0.41	mg/Kg	8270D
Phenanthrene		5.8		0.41	mg/Kg	8270D
Anthracene		1.4		0.41	mg/Kg	8270D
Fluoranthene		6.6		0.41	mg/Kg	8270D
Pyrene		5.4		0.41	mg/Kg	8270D
Benzo[a]anthracene		2.8		0.041	mg/Kg	8270D
Chrysene		2.8		0.41	mg/Kg	8270D
Benzo[b]fluoranthene		3.4		0.041	mg/Kg	8270D
Benzo[k]fluoranthene		1.3		0.041	mg/Kg	8270D
Benzo[a]pyrene		2.8		0.041	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		2.4		0.041	mg/Kg	8270D
Dibenz(a,h)anthracene		0.52		0.041	mg/Kg	8270D
Benzo[g,h,i]perylene		2.2		0.41	mg/Kg	8270D
Aluminum		26800		23.7	mg/Kg	6020A
Arsenic		37.6		1.2	mg/Kg	6020A
Barium		127		2.4	mg/Kg	6020A
Beryllium		2.0		0.47	mg/Kg	6020A
Calcium		4860		119	mg/Kg	6020A
Chromium		54.6		2.4	mg/Kg	6020A
Cobalt		17.3		2.4	mg/Kg	6020A
Copper		47.3		2.4	mg/Kg	6020A
Iron		45300		71.1	mg/Kg	6020A
Potassium		6820		119	mg/Kg	6020A
Magnesium		13400		119	mg/Kg	6020A
Manganese		394		4.7	mg/Kg	6020A
Sodium		432		119	mg/Kg	6020A
Nickel		40.6		2.4	mg/Kg	6020A
Lead		24.7		0.71	mg/Kg	6020A
Thallium		0.74		0.47	mg/Kg	6020A
Vanadium		110		2.4	mg/Kg	6020A
Zinc		98.3		9.5	mg/Kg	6020A
Mercury		0.038		0.019	mg/Kg	7471B
Percent Moisture		18.9		1.0	%	Moisture
Percent Solids		81.1		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-99997-9	ES-9					
Naphthalene		0.12	J	0.80	mg/Kg	8270D
2-Methylnaphthalene		0.096	J	0.80	mg/Kg	8270D
Acenaphthene		0.46	J	0.80	mg/Kg	8270D
Fluorene		0.25	J	0.80	mg/Kg	8270D
Phenanthrene		7.0		0.80	mg/Kg	8270D
Anthracene		1.6		0.80	mg/Kg	8270D
Fluoranthene		7.2		0.80	mg/Kg	8270D
Pyrene		4.6		0.80	mg/Kg	8270D
Benzo[a]anthracene		2.3		0.080	mg/Kg	8270D
Chrysene		2.5		0.80	mg/Kg	8270D
Benzo[b]fluoranthene		2.2		0.080	mg/Kg	8270D
Benzo[k]fluoranthene		0.87		0.080	mg/Kg	8270D
Benzo[a]pyrene		1.7		0.080	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		1.6		0.080	mg/Kg	8270D
Dibenz(a,h)anthracene		0.43		0.080	mg/Kg	8270D
Benzo[g,h,i]perylene		1.5		0.80	mg/Kg	8270D
Aluminum		10500		22.9	mg/Kg	6020A
Arsenic		20.5		1.1	mg/Kg	6020A
Barium		69.8		2.3	mg/Kg	6020A
Beryllium		0.58		0.46	mg/Kg	6020A
Calcium		73200		115	mg/Kg	6020A
Chromium		40.5		2.3	mg/Kg	6020A
Cobalt		5.4		2.3	mg/Kg	6020A
Copper		29.7		2.3	mg/Kg	6020A
Iron		13900		68.8	mg/Kg	6020A
Potassium		1660		115	mg/Kg	6020A
Magnesium		6670		115	mg/Kg	6020A
Manganese		259		4.6	mg/Kg	6020A
Sodium		615		115	mg/Kg	6020A
Nickel		18.2		2.3	mg/Kg	6020A
Lead		45.8		0.69	mg/Kg	6020A
Antimony		0.77	J	1.1	mg/Kg	6020A
Vanadium		32.3		2.3	mg/Kg	6020A
Zinc		152		9.2	mg/Kg	6020A
Mercury		0.20		0.019	mg/Kg	7471B
Percent Moisture		17.7		1.0	%	Moisture
Percent Solids		82.3		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-99997-10	ES-10					
Naphthalene		0.012	J	0.42	mg/Kg	8270D
Acenaphthene		0.024	J	0.42	mg/Kg	8270D
Fluorene		0.030	J	0.42	mg/Kg	8270D
Phenanthrene		0.64		0.42	mg/Kg	8270D
Anthracene		0.11	J	0.42	mg/Kg	8270D
Fluoranthene		0.73		0.42	mg/Kg	8270D
Pyrene		0.47		0.42	mg/Kg	8270D
Benzo[a]anthracene		0.20		0.042	mg/Kg	8270D
Chrysene		0.23	J	0.42	mg/Kg	8270D
Benzo[b]fluoranthene		0.21		0.042	mg/Kg	8270D
Benzo[k]fluoranthene		0.078		0.042	mg/Kg	8270D
Benzo[a]pyrene		0.13		0.042	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		0.079		0.042	mg/Kg	8270D
Benzo[g,h,i]perylene		0.062	J	0.42	mg/Kg	8270D
Aluminum		26700		24.7	mg/Kg	6020A
Arsenic		20.4		1.2	mg/Kg	6020A
Barium		111		2.5	mg/Kg	6020A
Beryllium		2.1		0.49	mg/Kg	6020A
Calcium		4700		124	mg/Kg	6020A
Chromium		61.5		2.5	mg/Kg	6020A
Cobalt		12.9		2.5	mg/Kg	6020A
Copper		44.6		2.5	mg/Kg	6020A
Iron		42600		74.1	mg/Kg	6020A
Potassium		3500		124	mg/Kg	6020A
Magnesium		12400		124	mg/Kg	6020A
Manganese		325		4.9	mg/Kg	6020A
Sodium		238		124	mg/Kg	6020A
Nickel		28.9		2.5	mg/Kg	6020A
Lead		15.6		0.74	mg/Kg	6020A
Selenium		0.50	J	6.2	mg/Kg	6020A
Thallium		0.38	J	0.49	mg/Kg	6020A
Vanadium		67.7		2.5	mg/Kg	6020A
Zinc		71.9		9.9	mg/Kg	6020A
Mercury		0.043		0.019	mg/Kg	7471B
Percent Moisture		20.6		1.0	%	Moisture
Percent Solids		79.4		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-99997-11	ES-11					
Naphthalene		0.075	J	0.40	mg/Kg	8270D
2-Methylnaphthalene		0.039	J	0.40	mg/Kg	8270D
Acenaphthene		0.31	J	0.40	mg/Kg	8270D
Fluorene		0.20	J	0.40	mg/Kg	8270D
Phenanthrene		3.4		0.40	mg/Kg	8270D
Anthracene		0.79		0.40	mg/Kg	8270D
Fluoranthene		5.7		0.40	mg/Kg	8270D
Pyrene		4.1		0.40	mg/Kg	8270D
Benzo[a]anthracene		2.1		0.040	mg/Kg	8270D
Chrysene		2.3		0.40	mg/Kg	8270D
Benzo[b]fluoranthene		2.0		0.040	mg/Kg	8270D
Benzo[k]fluoranthene		0.87		0.040	mg/Kg	8270D
Benzo[a]pyrene		1.6		0.040	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		1.5		0.040	mg/Kg	8270D
Dibenz(a,h)anthracene		0.39		0.040	mg/Kg	8270D
Benzo[g,h,i]perylene		1.2		0.40	mg/Kg	8270D
Aluminum		13300		23.5	mg/Kg	6020A
Arsenic		8.8		1.2	mg/Kg	6020A
Barium		98.8		2.4	mg/Kg	6020A
Beryllium		0.92		0.47	mg/Kg	6020A
Calcium		66900		118	mg/Kg	6020A
Chromium		35.4		2.4	mg/Kg	6020A
Cobalt		8.7		2.4	mg/Kg	6020A
Copper		31.1		2.4	mg/Kg	6020A
Iron		20800		70.6	mg/Kg	6020A
Potassium		2790		118	mg/Kg	6020A
Magnesium		8010		118	mg/Kg	6020A
Manganese		429		4.7	mg/Kg	6020A
Sodium		668		118	mg/Kg	6020A
Nickel		21.3		2.4	mg/Kg	6020A
Lead		40.9		0.71	mg/Kg	6020A
Antimony		1.1	J	1.2	mg/Kg	6020A
Vanadium		40.4		2.4	mg/Kg	6020A
Zinc		296		9.4	mg/Kg	6020A
Mercury		0.20		0.020	mg/Kg	7471B
Percent Moisture		17.5		1.0	%	Moisture
Percent Solids		82.5		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-99997-12	ES-12					
Naphthalene		0.13	J	0.39	mg/Kg	8270D
2-Methylnaphthalene		0.097	J	0.39	mg/Kg	8270D
Acenaphthene		0.65		0.39	mg/Kg	8270D
Fluorene		0.33	J	0.39	mg/Kg	8270D
Phenanthrene		3.5		0.39	mg/Kg	8270D
Anthracene		0.79		0.39	mg/Kg	8270D
Fluoranthene		3.7		0.39	mg/Kg	8270D
Pyrene		2.9		0.39	mg/Kg	8270D
Benzo[a]anthracene		1.4		0.039	mg/Kg	8270D
Chrysene		1.5		0.39	mg/Kg	8270D
Benzo[b]fluoranthene		1.4		0.039	mg/Kg	8270D
Benzo[k]fluoranthene		0.60		0.039	mg/Kg	8270D
Benzo[a]pyrene		1.1		0.039	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		1.1		0.039	mg/Kg	8270D
Dibenz(a,h)anthracene		0.27		0.039	mg/Kg	8270D
Benzo[g,h,i]perylene		0.91		0.39	mg/Kg	8270D
Aluminum		13800		23.2	mg/Kg	6020A
Arsenic		5.6		1.2	mg/Kg	6020A
Barium		117		2.3	mg/Kg	6020A
Beryllium		0.89		0.46	mg/Kg	6020A
Calcium		88900		116	mg/Kg	6020A
Chromium		28.7		2.3	mg/Kg	6020A
Cobalt		6.0		2.3	mg/Kg	6020A
Copper		30.0	F1	2.3	mg/Kg	6020A
Iron		14700		69.5	mg/Kg	6020A
Potassium		2300		116	mg/Kg	6020A
Magnesium		10700		116	mg/Kg	6020A
Manganese		483		4.6	mg/Kg	6020A
Sodium		807		116	mg/Kg	6020A
Nickel		17.5		2.3	mg/Kg	6020A
Lead		35.2		0.69	mg/Kg	6020A
Antimony		1.1	J F1	1.2	mg/Kg	6020A
Vanadium		27.9		2.3	mg/Kg	6020A
Zinc		169	F1	9.3	mg/Kg	6020A
Mercury		0.14		0.020	mg/Kg	7471B
Percent Moisture		16.2		1.0	%	Moisture
Percent Solids		83.8		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-99997-13	ES-13					
Naphthalene		0.020	J	0.40	mg/Kg	8270D
2-Methylnaphthalene		0.012	J	0.40	mg/Kg	8270D
Acenaphthene		0.031	J	0.40	mg/Kg	8270D
Fluorene		0.032	J	0.40	mg/Kg	8270D
Phenanthrene		0.44		0.40	mg/Kg	8270D
Anthracene		0.081	J	0.40	mg/Kg	8270D
Fluoranthene		0.63		0.40	mg/Kg	8270D
Pyrene		0.42		0.40	mg/Kg	8270D
Benzo[a]anthracene		0.22		0.040	mg/Kg	8270D
Chrysene		0.29	J	0.40	mg/Kg	8270D
Benzo[b]fluoranthene		0.28		0.040	mg/Kg	8270D
Benzo[k]fluoranthene		0.12		0.040	mg/Kg	8270D
Benzo[a]pyrene		0.19		0.040	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		0.11		0.040	mg/Kg	8270D
Dibenz(a,h)anthracene		0.027	J	0.040	mg/Kg	8270D
Benzo[g,h,i]perylene		0.098	J	0.40	mg/Kg	8270D
Aluminum		16600		20.1	mg/Kg	6020A
Arsenic		7.0		1.0	mg/Kg	6020A
Barium		97.7		2.0	mg/Kg	6020A
Beryllium		0.76		0.40	mg/Kg	6020A
Calcium		12000		101	mg/Kg	6020A
Chromium		30.3		2.0	mg/Kg	6020A
Cobalt		7.6		2.0	mg/Kg	6020A
Copper		28.9		2.0	mg/Kg	6020A
Iron		25500		60.4	mg/Kg	6020A
Potassium		2040		101	mg/Kg	6020A
Magnesium		5150		101	mg/Kg	6020A
Manganese		316		4.0	mg/Kg	6020A
Sodium		195		101	mg/Kg	6020A
Nickel		18.8		2.0	mg/Kg	6020A
Lead		37.9		0.60	mg/Kg	6020A
Antimony		0.41	J	1.0	mg/Kg	6020A
Selenium		0.43	J	5.0	mg/Kg	6020A
Thallium		0.17	J	0.40	mg/Kg	6020A
Vanadium		43.0		2.0	mg/Kg	6020A
Zinc		110		8.1	mg/Kg	6020A
Mercury		0.063		0.019	mg/Kg	7471B
Percent Moisture		16.6		1.0	%	Moisture
Percent Solids		83.4		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-99997-14	ES-14					
Naphthalene		0.099	J	0.38	mg/Kg	8270D
2-Methylnaphthalene		0.074	J	0.38	mg/Kg	8270D
Acenaphthylene		0.030	J	0.38	mg/Kg	8270D
Acenaphthene		0.21	J	0.38	mg/Kg	8270D
Fluorene		0.16	J	0.38	mg/Kg	8270D
Phenanthrene		1.5		0.38	mg/Kg	8270D
Anthracene		0.35	J	0.38	mg/Kg	8270D
Fluoranthene		2.0		0.38	mg/Kg	8270D
Pyrene		1.5		0.38	mg/Kg	8270D
Benzo[a]anthracene		0.87		0.038	mg/Kg	8270D
Chrysene		1.0		0.38	mg/Kg	8270D
Benzo[b]fluoranthene		0.99		0.038	mg/Kg	8270D
Benzo[k]fluoranthene		0.41		0.038	mg/Kg	8270D
Benzo[a]pyrene		0.83		0.038	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		0.74		0.038	mg/Kg	8270D
Dibenz(a,h)anthracene		0.18		0.038	mg/Kg	8270D
Benzo[g,h,i]perylene		0.64		0.38	mg/Kg	8270D
Aluminum		19700		19.7	mg/Kg	6020A
Arsenic		9.4		0.98	mg/Kg	6020A
Barium		123		2.0	mg/Kg	6020A
Beryllium		1.3		0.39	mg/Kg	6020A
Calcium		8720		98.5	mg/Kg	6020A
Chromium		34.5		2.0	mg/Kg	6020A
Cobalt		16.3		2.0	mg/Kg	6020A
Copper		45.9		2.0	mg/Kg	6020A
Iron		31600		59.1	mg/Kg	6020A
Potassium		3470		98.5	mg/Kg	6020A
Magnesium		6810		98.5	mg/Kg	6020A
Manganese		691		3.9	mg/Kg	6020A
Sodium		459		98.5	mg/Kg	6020A
Nickel		23.5		2.0	mg/Kg	6020A
Lead		44.5		0.59	mg/Kg	6020A
Selenium		0.51	J	4.9	mg/Kg	6020A
Thallium		0.31	J	0.39	mg/Kg	6020A
Vanadium		59.7		2.0	mg/Kg	6020A
Zinc		119		7.9	mg/Kg	6020A
Mercury		0.13		0.020	mg/Kg	7471B
Percent Moisture		13.9		1.0	%	Moisture
Percent Solids		86.1		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-99997-15	ES-15					
Phenanthrene		0.018	J	0.41	mg/Kg	8270D
Fluoranthene		0.037	J	0.41	mg/Kg	8270D
Pyrene		0.031	J	0.41	mg/Kg	8270D
Chrysene		0.026	J	0.41	mg/Kg	8270D
Benzo[b]fluoranthene		0.033	J	0.041	mg/Kg	8270D
Benzo[a]pyrene		0.027	J	0.041	mg/Kg	8270D
Aluminum		34200		23.5	mg/Kg	6020A
Arsenic		29.3		1.2	mg/Kg	6020A
Barium		267		2.4	mg/Kg	6020A
Beryllium		2.4		0.47	mg/Kg	6020A
Calcium		2830		118	mg/Kg	6020A
Chromium		55.0		2.4	mg/Kg	6020A
Cobalt		11.3		2.4	mg/Kg	6020A
Copper		33.2		2.4	mg/Kg	6020A
Iron		42800		70.6	mg/Kg	6020A
Potassium		6190		118	mg/Kg	6020A
Magnesium		10200		118	mg/Kg	6020A
Manganese		204		4.7	mg/Kg	6020A
Sodium		1050		118	mg/Kg	6020A
Nickel		35.9		2.4	mg/Kg	6020A
Lead		20.9		0.71	mg/Kg	6020A
Selenium		0.49	J	5.9	mg/Kg	6020A
Thallium		0.60		0.47	mg/Kg	6020A
Vanadium		86.4		2.4	mg/Kg	6020A
Zinc		70.7		9.4	mg/Kg	6020A
Mercury		0.023		0.020	mg/Kg	7471B
Percent Moisture		19.1		1.0	%	Moisture
Percent Solids		80.9		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-99997-16	ES-16					
Acenaphthene		0.13	J	1.9	mg/Kg	8270D
Fluorene		0.083	J	1.9	mg/Kg	8270D
Phenanthrene		1.2	J	1.9	mg/Kg	8270D
Anthracene		0.26	J	1.9	mg/Kg	8270D
Fluoranthene		1.6	J	1.9	mg/Kg	8270D
Pyrene		0.96	J	1.9	mg/Kg	8270D
Benzo[a]anthracene		0.57		0.19	mg/Kg	8270D
Chrysene		0.67	J	1.9	mg/Kg	8270D
Benzo[b]fluoranthene		0.55		0.19	mg/Kg	8270D
Benzo[k]fluoranthene		0.26		0.19	mg/Kg	8270D
Benzo[a]pyrene		0.44		0.19	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		0.41		0.19	mg/Kg	8270D
Dibenz(a,h)anthracene		0.11	J	0.19	mg/Kg	8270D
Benzo[g,h,i]perylene		0.33	J	1.9	mg/Kg	8270D
Aluminum		13300		20.2	mg/Kg	6020A
Arsenic		7.3		1.0	mg/Kg	6020A
Barium		62.6		2.0	mg/Kg	6020A
Beryllium		0.82		0.40	mg/Kg	6020A
Calcium		28600		101	mg/Kg	6020A
Chromium		29.2		2.0	mg/Kg	6020A
Cobalt		8.8		2.0	mg/Kg	6020A
Copper		73.7		2.0	mg/Kg	6020A
Iron		23900		60.6	mg/Kg	6020A
Potassium		3010		101	mg/Kg	6020A
Magnesium		6990		101	mg/Kg	6020A
Manganese		293		4.0	mg/Kg	6020A
Sodium		712		101	mg/Kg	6020A
Nickel		19.7		2.0	mg/Kg	6020A
Lead		20.5		0.61	mg/Kg	6020A
Selenium		0.40	J	5.1	mg/Kg	6020A
Thallium		0.17	J	0.40	mg/Kg	6020A
Vanadium		52.6		2.0	mg/Kg	6020A
Zinc		193		8.1	mg/Kg	6020A
Mercury		0.16		0.018	mg/Kg	7471B
Percent Moisture		11.7		1.0	%	Moisture
Percent Solids		88.3		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-99997-17	ES-17					
Naphthalene		0.075	J	0.80	mg/Kg	8270D
2-Methylnaphthalene		0.051	J	0.80	mg/Kg	8270D
Acenaphthene		0.27	J	0.80	mg/Kg	8270D
Fluorene		0.15	J	0.80	mg/Kg	8270D
Phenanthrene		2.7		0.80	mg/Kg	8270D
Anthracene		0.54	J	0.80	mg/Kg	8270D
Fluoranthene		2.8		0.80	mg/Kg	8270D
Pyrene		2.5		0.80	mg/Kg	8270D
Benzo[a]anthracene		1.1		0.080	mg/Kg	8270D
Chrysene		1.2		0.80	mg/Kg	8270D
Benzo[b]fluoranthene		1.2		0.080	mg/Kg	8270D
Benzo[k]fluoranthene		0.45		0.080	mg/Kg	8270D
Benzo[a]pyrene		0.88		0.080	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		0.89		0.080	mg/Kg	8270D
Dibenz(a,h)anthracene		0.20		0.080	mg/Kg	8270D
Benzo[g,h,i]perylene		0.81		0.80	mg/Kg	8270D
Aluminum		10200		22.5	mg/Kg	6020A
Arsenic		10.3		1.1	mg/Kg	6020A
Barium		77.4		2.3	mg/Kg	6020A
Beryllium		0.65		0.45	mg/Kg	6020A
Calcium		51900		113	mg/Kg	6020A
Chromium		31.2		2.3	mg/Kg	6020A
Cobalt		7.1		2.3	mg/Kg	6020A
Copper		31.2		2.3	mg/Kg	6020A
Iron		14000		67.5	mg/Kg	6020A
Potassium		2310		113	mg/Kg	6020A
Magnesium		5820		113	mg/Kg	6020A
Manganese		306		4.5	mg/Kg	6020A
Sodium		715		113	mg/Kg	6020A
Nickel		18.9		2.3	mg/Kg	6020A
Lead		40.9		0.68	mg/Kg	6020A
Antimony		1.1		1.1	mg/Kg	6020A
Vanadium		31.5		2.3	mg/Kg	6020A
Zinc		171		9.0	mg/Kg	6020A
Mercury		0.44		0.019	mg/Kg	7471B
Percent Moisture		17.7		1.0	%	Moisture
Percent Solids		82.3		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-99997-18	ES-18					
Naphthalene		0.35	J	0.81	mg/Kg	8270D
2-Methylnaphthalene		0.17	J	0.81	mg/Kg	8270D
Acenaphthene		1.1		0.81	mg/Kg	8270D
Fluorene		0.73	J	0.81	mg/Kg	8270D
Phenanthrene		12		0.81	mg/Kg	8270D
Anthracene		2.8		0.81	mg/Kg	8270D
Fluoranthene		12		0.81	mg/Kg	8270D
Pyrene		7.0		0.81	mg/Kg	8270D
Benzo[a]anthracene		3.6		0.081	mg/Kg	8270D
Chrysene		3.9		0.81	mg/Kg	8270D
Benzo[b]fluoranthene		3.4		0.081	mg/Kg	8270D
Benzo[k]fluoranthene		1.5		0.081	mg/Kg	8270D
Benzo[a]pyrene		2.8		0.081	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		2.6		0.081	mg/Kg	8270D
Dibenz(a,h)anthracene		0.65		0.081	mg/Kg	8270D
Benzo[g,h,i]perylene		2.2		0.81	mg/Kg	8270D
Aluminum		9440		23.2	mg/Kg	6020A
Arsenic		7.2		1.2	mg/Kg	6020A
Barium		87.2		2.3	mg/Kg	6020A
Beryllium		0.65		0.46	mg/Kg	6020A
Calcium		97000		116	mg/Kg	6020A
Chromium		29.6		2.3	mg/Kg	6020A
Cobalt		4.7		2.3	mg/Kg	6020A
Copper		33.5		2.3	mg/Kg	6020A
Iron		11800		69.6	mg/Kg	6020A
Potassium		1700		116	mg/Kg	6020A
Magnesium		9170		116	mg/Kg	6020A
Manganese		305		4.6	mg/Kg	6020A
Sodium		843		116	mg/Kg	6020A
Nickel		15.8		2.3	mg/Kg	6020A
Lead		41.3		0.70	mg/Kg	6020A
Antimony		1.7		1.2	mg/Kg	6020A
Vanadium		26.3		2.3	mg/Kg	6020A
Zinc		224		9.3	mg/Kg	6020A
Mercury		0.17		0.020	mg/Kg	7471B
Percent Moisture		18.7		1.0	%	Moisture
Percent Solids		81.3		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-99997-19	ES-19					
Naphthalene		0.32	J	2.0	mg/Kg	8270D
2-Methylnaphthalene		0.18	J	2.0	mg/Kg	8270D
Acenaphthene		1.2	J	2.0	mg/Kg	8270D
Fluorene		0.98	J	2.0	mg/Kg	8270D
Phenanthrene		9.7		2.0	mg/Kg	8270D
Anthracene		2.6		2.0	mg/Kg	8270D
Fluoranthene		11		2.0	mg/Kg	8270D
Pyrene		7.8		2.0	mg/Kg	8270D
Benzo[a]anthracene		3.9		0.20	mg/Kg	8270D
Chrysene		4.2		2.0	mg/Kg	8270D
Benzo[b]fluoranthene		4.1		0.20	mg/Kg	8270D
Benzo[k]fluoranthene		1.5		0.20	mg/Kg	8270D
Benzo[a]pyrene		3.2		0.20	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		2.9		0.20	mg/Kg	8270D
Dibenz(a,h)anthracene		0.77		0.20	mg/Kg	8270D
Benzo[g,h,i]perylene		2.4		2.0	mg/Kg	8270D
Aluminum		10900		23.8	mg/Kg	6020A
Arsenic		5.8		1.2	mg/Kg	6020A
Barium		80.3		2.4	mg/Kg	6020A
Beryllium		0.70		0.48	mg/Kg	6020A
Calcium		92000		119	mg/Kg	6020A
Chromium		30.2		2.4	mg/Kg	6020A
Cobalt		5.8		2.4	mg/Kg	6020A
Copper		34.2		2.4	mg/Kg	6020A
Iron		14100		71.3	mg/Kg	6020A
Potassium		1900		119	mg/Kg	6020A
Magnesium		8380		119	mg/Kg	6020A
Manganese		368		4.8	mg/Kg	6020A
Sodium		745		119	mg/Kg	6020A
Nickel		18.5		2.4	mg/Kg	6020A
Lead		38.4		0.71	mg/Kg	6020A
Antimony		1.3		1.2	mg/Kg	6020A
Vanadium		30.1		2.4	mg/Kg	6020A
Zinc		213		9.5	mg/Kg	6020A
Mercury		0.21		0.020	mg/Kg	7471B
Percent Moisture		17.5		1.0	%	Moisture
Percent Solids		82.5		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-99997-20	ES-20					
Naphthalene		0.18	J	0.39	mg/Kg	8270D
2-Methylnaphthalene		0.17	J	0.39	mg/Kg	8270D
Acenaphthylene		0.025	J	0.39	mg/Kg	8270D
Acenaphthene		0.24	J	0.39	mg/Kg	8270D
Fluorene		0.25	J	0.39	mg/Kg	8270D
Phenanthrene		2.7		0.39	mg/Kg	8270D
Anthracene		0.54		0.39	mg/Kg	8270D
Fluoranthene		2.6		0.39	mg/Kg	8270D
Pyrene		2.0		0.39	mg/Kg	8270D
Benzo[a]anthracene		1.0		0.039	mg/Kg	8270D
Chrysene		1.0		0.39	mg/Kg	8270D
Benzo[b]fluoranthene		1.1		0.039	mg/Kg	8270D
Benzo[k]fluoranthene		0.41		0.039	mg/Kg	8270D
Benzo[a]pyrene		0.84		0.039	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		0.80		0.039	mg/Kg	8270D
Dibenz(a,h)anthracene		0.20		0.039	mg/Kg	8270D
Benzo[g,h,i]perylene		0.69		0.39	mg/Kg	8270D
Aluminum		18600		19.7	mg/Kg	6020A
Arsenic		6.2		0.99	mg/Kg	6020A
Barium		147		2.0	mg/Kg	6020A
Beryllium		1.5		0.39	mg/Kg	6020A
Calcium		27000		98.7	mg/Kg	6020A
Chromium		55.1		2.0	mg/Kg	6020A
Cobalt		15.1		2.0	mg/Kg	6020A
Copper		39.9		2.0	mg/Kg	6020A
Iron		34700		59.2	mg/Kg	6020A
Potassium		5690		98.7	mg/Kg	6020A
Magnesium		12900		98.7	mg/Kg	6020A
Manganese		569		3.9	mg/Kg	6020A
Sodium		748		98.7	mg/Kg	6020A
Nickel		36.3		2.0	mg/Kg	6020A
Lead		27.6		0.59	mg/Kg	6020A
Antimony		0.41	J	0.99	mg/Kg	6020A
Thallium		0.29	J	0.39	mg/Kg	6020A
Vanadium		47.6		2.0	mg/Kg	6020A
Zinc		103		7.9	mg/Kg	6020A
Mercury		0.85		0.018	mg/Kg	7471B
Percent Moisture		14.9		1.0	%	Moisture
Percent Solids		85.1		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-99997-21	ES-21					
Phenanthrene		0.016	J	0.38	mg/Kg	8270D
Fluoranthene		0.027	J	0.38	mg/Kg	8270D
Pyrene		0.020	J F1	0.38	mg/Kg	8270D
Chrysene		0.012	J	0.38	mg/Kg	8270D
Benzo[b]fluoranthene		0.015	J	0.038	mg/Kg	8270D
Aluminum		25100		21.2	mg/Kg	6020A
Arsenic		2.8		1.1	mg/Kg	6020A
Barium		75.1		2.1	mg/Kg	6020A
Beryllium		0.47		0.42	mg/Kg	6020A
Calcium		7240		106	mg/Kg	6020A
Chromium		155		2.1	mg/Kg	6020A
Cobalt		36.3		2.1	mg/Kg	6020A
Copper		95.4		2.1	mg/Kg	6020A
Iron		41600		63.7	mg/Kg	6020A
Potassium		854		106	mg/Kg	6020A
Magnesium		12700		106	mg/Kg	6020A
Manganese		929		4.2	mg/Kg	6020A
Sodium		602		106	mg/Kg	6020A
Nickel		101		2.1	mg/Kg	6020A
Lead		10.3		0.64	mg/Kg	6020A
Vanadium		104		2.1	mg/Kg	6020A
Zinc		56.4		8.5	mg/Kg	6020A
Mercury		0.015	J	0.017	mg/Kg	7471B
Percent Moisture		13.6		1.0	%	Moisture
Percent Solids		86.4		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-99997-22	ES-22					
Acenaphthene		0.097	J	0.39	mg/Kg	8270D
Fluorene		0.082	J	0.39	mg/Kg	8270D
Phenanthrene		0.87		0.39	mg/Kg	8270D
Anthracene		0.25	J	0.39	mg/Kg	8270D
Fluoranthene		1.0		0.39	mg/Kg	8270D
Pyrene		0.97		0.39	mg/Kg	8270D
Benzo[a]anthracene		0.44		0.039	mg/Kg	8270D
Chrysene		0.45		0.39	mg/Kg	8270D
Benzo[b]fluoranthene		0.53		0.039	mg/Kg	8270D
Benzo[k]fluoranthene		0.23		0.039	mg/Kg	8270D
Benzo[a]pyrene		0.37		0.039	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		0.24		0.039	mg/Kg	8270D
Dibenz(a,h)anthracene		0.062		0.039	mg/Kg	8270D
Benzo[g,h,i]perylene		0.24	J	0.39	mg/Kg	8270D
Aluminum		28900		22.2	mg/Kg	6020A
Arsenic		9.3		1.1	mg/Kg	6020A
Barium		240		2.2	mg/Kg	6020A
Beryllium		1.7		0.44	mg/Kg	6020A
Calcium		2160		111	mg/Kg	6020A
Chromium		37.6		2.2	mg/Kg	6020A
Cobalt		13.2		2.2	mg/Kg	6020A
Copper		31.3		2.2	mg/Kg	6020A
Iron		31800		66.7	mg/Kg	6020A
Potassium		3660		111	mg/Kg	6020A
Magnesium		6190		111	mg/Kg	6020A
Manganese		942		4.4	mg/Kg	6020A
Sodium		156		111	mg/Kg	6020A
Nickel		26.5		2.2	mg/Kg	6020A
Lead		86.4		0.67	mg/Kg	6020A
Selenium		0.81	J	5.6	mg/Kg	6020A
Thallium		0.29	J	0.44	mg/Kg	6020A
Vanadium		45.4		2.2	mg/Kg	6020A
Zinc		113		8.9	mg/Kg	6020A
Mercury		0.23		0.020	mg/Kg	7471B
Percent Moisture		15.9		1.0	%	Moisture
Percent Solids		84.1		1.0	%	Moisture

METHOD SUMMARY

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Semivolatile Organic Compounds (GC/MS)	TAL EDI	SW846 8270D	
Microwave Extraction	TAL EDI		SW846 3546
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL EDI	SW846 8082A	
Microwave Extraction	TAL EDI		SW846 3546
Metals (ICP/MS)	TAL EDI	SW846 6020A	
Preparation, Metals	TAL EDI		SW846 3050B
Mercury (CVAA)	TAL EDI	SW846 7471B	
Preparation, Mercury	TAL EDI		SW846 7471B
Percent Moisture	TAL EDI	EPA Moisture	

Lab References:

TAL EDI = TestAmerica Edison

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Method	Analyst	Analyst ID
SW846 8270D	Crocco, Michael	MMC
SW846 8270D	Szczech, Anna	AAS
SW846 8082A	Adou, Marie J	MJA
SW846 8082A	Patel, Jignesh	JHP
SW846 6020A	Dave, Virendra	VAD
SW846 7471B	Sheikh, Razia B	RBS
EPA Moisture	Martinez, Victor	VMM

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-1

Lab Sample ID: 460-99997-1

Client Matrix: Solid

% Moisture: 19.6

Date Sampled: 08/20/2015 0845

Date Received: 08/21/2015 1230

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Prep Method: 3546

Dilution: 1.0

Analysis Date: 08/22/2015 1235

Prep Date: 08/21/2015 2130

Analysis Batch: 460-318190

Prep Batch: 460-318158

Instrument ID: CBNAMS11

Lab File ID: z35650.D

Initial Weight/Volume: 15.0224 g

Final Weight/Volume: 1 mL

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.013	J	0.010	0.41
2-Methylnaphthalene		0.0091	U	0.0091	0.41
Acenaphthylene		0.011	U	0.011	0.41
Acenaphthene		0.027	J	0.0099	0.41
Fluorene		0.021	J	0.0089	0.41
Phenanthrene		0.18	J	0.011	0.41
Anthracene		0.039	U	0.039	0.41
Fluoranthene		0.24	J	0.012	0.41
Pyrene		0.20	J	0.019	0.41
Benzo[a]anthracene		0.10		0.034	0.041
Chrysene		0.12	J	0.011	0.41
Benzo[b]fluoranthene		0.13		0.016	0.041
Benzo[k]fluoranthene		0.052		0.018	0.041
Benzo[a]pyrene		0.096		0.012	0.041
Indeno[1,2,3-cd]pyrene		0.083		0.027	0.041
Dibenz(a,h)anthracene		0.021	U	0.021	0.041
Benzo[g,h,i]perylene		0.066	J	0.024	0.41
Surrogate		%Rec	Qualifier	Acceptance Limits	
Nitrobenzene-d5		82		30 - 130	
Terphenyl-d14		104		30 - 130	
2-Fluorobiphenyl		86		30 - 130	

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-2

Lab Sample ID: 460-99997-2

Client Matrix: Solid

% Moisture: 9.3

Date Sampled: 08/20/2015 0901

Date Received: 08/21/2015 1230

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-318190

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-318158

Lab File ID: z35665.D

Dilution: 1.0

Initial Weight/Volume: 15.0221 g

Analysis Date: 08/22/2015 1819

Final Weight/Volume: 1 mL

Prep Date: 08/21/2015 2130

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.0092	U	0.0092	0.36
2-Methylnaphthalene		0.0080	U	0.0080	0.36
Acenaphthylene		0.0094	U	0.0094	0.36
Acenaphthene		0.010	J	0.0088	0.36
Fluorene		0.0079	U	0.0079	0.36
Phenanthrene		0.096	J	0.0097	0.36
Anthracene		0.035	U	0.035	0.36
Fluoranthene		0.15	J	0.011	0.36
Pyrene		0.13	J	0.017	0.36
Benzo[a]anthracene		0.079		0.030	0.036
Chrysene		0.099	J	0.0099	0.36
Benzo[b]fluoranthene		0.10		0.014	0.036
Benzo[k]fluoranthene		0.040		0.016	0.036
Benzo[a]pyrene		0.073		0.011	0.036
Indeno[1,2,3-cd]pyrene		0.059		0.024	0.036
Dibenz(a,h)anthracene		0.021	J	0.019	0.036
Benzo[g,h,i]perylene		0.068	J	0.021	0.36
Surrogate		%Rec	Qualifier	Acceptance Limits	
Nitrobenzene-d5		82		30 - 130	
Terphenyl-d14		79		30 - 130	
2-Fluorobiphenyl		92		30 - 130	

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-3

Lab Sample ID: 460-99997-3

Date Sampled: 08/20/2015 0925

Client Matrix: Solid

% Moisture: 11.5

Date Received: 08/21/2015 1230

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-318357

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-318158

Lab File ID: z35690.D

Dilution: 2.0

Initial Weight/Volume: 15.0130 g

Analysis Date: 08/24/2015 1257

Final Weight/Volume: 1 mL

Prep Date: 08/21/2015 2130

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.019	U	0.019	0.74
2-Methylnaphthalene		0.016	U	0.016	0.74
Acenaphthylene		0.019	U	0.019	0.74
Acenaphthene		0.029	J	0.018	0.74
Fluorene		0.023	J	0.016	0.74
Phenanthrene		0.31	J	0.020	0.74
Anthracene		0.072	J	0.071	0.74
Fluoranthene		0.63	J	0.022	0.74
Pyrene		0.46	J	0.034	0.74
Benzo[a]anthracene		0.27		0.062	0.074
Chrysene		0.33	J	0.020	0.74
Benzo[b]fluoranthene		0.31		0.029	0.074
Benzo[k]fluoranthene		0.12		0.032	0.074
Benzo[a]pyrene		0.25		0.023	0.074
Indeno[1,2,3-cd]pyrene		0.24		0.050	0.074
Dibenz(a,h)anthracene		0.065	J	0.039	0.074
Benzo[g,h,i]perylene		0.21	J	0.043	0.74
Surrogate		%Rec	Qualifier	Acceptance Limits	
Nitrobenzene-d5		80		30 - 130	
Terphenyl-d14		81		30 - 130	
2-Fluorobiphenyl		87		30 - 130	

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-4

Lab Sample ID: 460-99997-4

Client Matrix: Solid

% Moisture: 17.8

Date Sampled: 08/20/2015 0937

Date Received: 08/21/2015 1230

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-318190

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-318158

Lab File ID: z35651.D

Dilution: 1.0

Initial Weight/Volume: 15.0240 g

Analysis Date: 08/22/2015 1259

Final Weight/Volume: 1 mL

Prep Date: 08/21/2015 2130

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.095	J	0.010	0.40
2-Methylnaphthalene		0.059	J	0.0089	0.40
Acenaphthylene		0.010	U	0.010	0.40
Acenaphthene		0.33	J	0.0097	0.40
Fluorene		0.13	J	0.0087	0.40
Phenanthrene		4.4		0.011	0.40
Anthracene		0.80		0.038	0.40
Fluoranthene		4.5		0.012	0.40
Pyrene		3.3		0.018	0.40
Benzo[a]anthracene		1.5		0.034	0.040
Chrysene		1.5		0.011	0.40
Benzo[b]fluoranthene		1.6		0.016	0.040
Benzo[k]fluoranthene		0.64		0.017	0.040
Benzo[a]pyrene		1.1		0.012	0.040
Indeno[1,2,3-cd]pyrene		0.81		0.027	0.040
Dibenz(a,h)anthracene		0.18		0.021	0.040
Benzo[g,h,i]perylene		0.71		0.023	0.40

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	83		30 - 130
Terphenyl-d14	113		30 - 130
2-Fluorobiphenyl	86		30 - 130

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-5

Lab Sample ID: 460-99997-5

Client Matrix: Solid

% Moisture: 21.0

Date Sampled: 08/20/2015 0957

Date Received: 08/21/2015 1230

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-318190

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-318158

Lab File ID: z35652.D

Dilution: 1.0

Initial Weight/Volume: 15.0216 g

Analysis Date: 08/22/2015 1322

Final Weight/Volume: 1 mL

Prep Date: 08/21/2015 2130

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.10	J	0.011	0.42
2-Methylnaphthalene		0.058	J	0.0092	0.42
Acenaphthylene		0.011	U	0.011	0.42
Acenaphthene		0.40	J	0.010	0.42
Fluorene		0.19	J	0.0091	0.42
Phenanthrene		4.4		0.011	0.42
Anthracene		0.92		0.040	0.42
Fluoranthene		5.2		0.012	0.42
Pyrene		4.1		0.019	0.42
Benzo[a]anthracene		1.8		0.035	0.042
Chrysene		1.8		0.011	0.42
Benzo[b]fluoranthene		1.9		0.016	0.042
Benzo[k]fluoranthene		0.73		0.018	0.042
Benzo[a]pyrene		1.3		0.013	0.042
Indeno[1,2,3-cd]pyrene		1.1		0.028	0.042
Dibenz(a,h)anthracene		0.26		0.022	0.042
Benzo[g,h,i]perylene		0.94		0.024	0.42

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	82		30 - 130
Terphenyl-d14	104		30 - 130
2-Fluorobiphenyl	86		30 - 130

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-6

Lab Sample ID: 460-99997-6

Date Sampled: 08/20/2015 1010

Client Matrix: Solid

% Moisture: 15.6

Date Received: 08/21/2015 1230

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-318190

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-318158

Lab File ID: z35655.D

Dilution: 1.0

Initial Weight/Volume: 15.0311 g

Analysis Date: 08/22/2015 1430

Final Weight/Volume: 1 mL

Prep Date: 08/21/2015 2130

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.037	J	0.0099	0.39
2-Methylnaphthalene		0.020	J	0.0086	0.39
Acenaphthylene		0.010	U	0.010	0.39
Acenaphthene		0.15	J	0.0095	0.39
Fluorene		0.084	J	0.0085	0.39
Phenanthrene		1.4		0.010	0.39
Anthracene		0.38	J	0.037	0.39
Fluoranthene		2.3		0.012	0.39
Pyrene		2.0		0.018	0.39
Benzo[a]anthracene		0.94		0.033	0.039
Chrysene		1.0		0.011	0.39
Benzo[b]fluoranthene		1.0		0.015	0.039
Benzo[k]fluoranthene		0.40		0.017	0.039
Benzo[a]pyrene		0.73		0.012	0.039
Indeno[1,2,3-cd]pyrene		0.72		0.026	0.039
Dibenz(a,h)anthracene		0.18		0.020	0.039
Benzo[g,h,i]perylene		0.64		0.022	0.39

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	81		30 - 130
Terphenyl-d14	99		30 - 130
2-Fluorobiphenyl	88		30 - 130

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-7

Lab Sample ID: 460-99997-7

Client Matrix: Solid

% Moisture: 14.9

Date Sampled: 08/20/2015 1035

Date Received: 08/21/2015 1230

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-318190

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-318158

Lab File ID: z35661.D

Dilution: 1.0

Initial Weight/Volume: 15.0217 g

Analysis Date: 08/22/2015 1648

Final Weight/Volume: 1 mL

Prep Date: 08/21/2015 2130

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.12	J	0.0099	0.39
2-Methylnaphthalene		0.078	J	0.0086	0.39
Acenaphthylene		0.011	J	0.010	0.39
Acenaphthene		0.39		0.0094	0.39
Fluorene		0.32	J	0.0085	0.39
Phenanthrene		3.7		0.010	0.39
Anthracene		0.88		0.037	0.39
Fluoranthene		4.2		0.012	0.39
Pyrene		3.1		0.018	0.39
Benzo[a]anthracene		1.6		0.032	0.039
Chrysene		1.6		0.011	0.39
Benzo[b]fluoranthene		1.7		0.015	0.039
Benzo[k]fluoranthene		0.77		0.017	0.039
Benzo[a]pyrene		1.4		0.012	0.039
Indeno[1,2,3-cd]pyrene		1.4		0.026	0.039
Dibenz(a,h)anthracene		0.34		0.020	0.039
Benzo[g,h,i]perylene		1.1		0.022	0.39

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	82		30 - 130
Terphenyl-d14	89		30 - 130
2-Fluorobiphenyl	90		30 - 130

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-8

Lab Sample ID: 460-99997-8

Client Matrix: Solid

% Moisture: 18.9

Date Sampled: 08/20/2015 1058

Date Received: 08/21/2015 1230

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-318190

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-318158

Lab File ID: z35654.D

Dilution: 1.0

Initial Weight/Volume: 15.0216 g

Analysis Date: 08/22/2015 1407

Final Weight/Volume: 1 mL

Prep Date: 08/21/2015 2130

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.17	J	0.010	0.41
2-Methylnaphthalene		0.090	J	0.0090	0.41
Acenaphthylene		0.010	U	0.010	0.41
Acenaphthene		0.53		0.0098	0.41
Fluorene		0.55		0.0089	0.41
Phenanthrene		5.8		0.011	0.41
Anthracene		1.4		0.039	0.41
Fluoranthene		6.6		0.012	0.41
Pyrene		5.4		0.018	0.41
Benzo[a]anthracene		2.8		0.034	0.041
Chrysene		2.8		0.011	0.41
Benzo[b]fluoranthene		3.4		0.016	0.041
Benzo[k]fluoranthene		1.3		0.018	0.041
Benzo[a]pyrene		2.8		0.012	0.041
Indeno[1,2,3-cd]pyrene		2.4		0.027	0.041
Dibenz(a,h)anthracene		0.52		0.021	0.041
Benzo[g,h,i]perylene		2.2		0.023	0.41

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	83		30 - 130
Terphenyl-d14	98		30 - 130
2-Fluorobiphenyl	88		30 - 130

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-9

Lab Sample ID: 460-99997-9

Date Sampled: 08/20/2015 1120

Client Matrix: Solid

% Moisture: 17.7

Date Received: 08/21/2015 1230

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-318357

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-318158

Lab File ID: z35687.D

Dilution: 2.0

Initial Weight/Volume: 15.0424 g

Analysis Date: 08/24/2015 1148

Final Weight/Volume: 1 mL

Prep Date: 08/21/2015 2130

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.12	J	0.020	0.80
2-Methylnaphthalene		0.096	J	0.018	0.80
Acenaphthylene		0.021	U	0.021	0.80
Acenaphthene		0.46	J	0.019	0.80
Fluorene		0.25	J	0.017	0.80
Phenanthrene		7.0		0.021	0.80
Anthracene		1.6		0.076	0.80
Fluoranthene		7.2		0.024	0.80
Pyrene		4.6		0.036	0.80
Benzo[a]anthracene		2.3		0.067	0.080
Chrysene		2.5		0.022	0.80
Benzo[b]fluoranthene		2.2		0.031	0.080
Benzo[k]fluoranthene		0.87		0.035	0.080
Benzo[a]pyrene		1.7		0.024	0.080
Indeno[1,2,3-cd]pyrene		1.6		0.053	0.080
Dibenz(a,h)anthracene		0.43		0.042	0.080
Benzo[g,h,i]perylene		1.5		0.046	0.80

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	75		30 - 130
Terphenyl-d14	77		30 - 130
2-Fluorobiphenyl	81		30 - 130

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-10

Lab Sample ID: 460-99997-10

Client Matrix: Solid

% Moisture: 20.6

Date Sampled: 08/20/2015 1135

Date Received: 08/21/2015 1230

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-318190

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-318158

Lab File ID: z35647.D

Dilution: 1.0

Initial Weight/Volume: 15.0122 g

Analysis Date: 08/22/2015 1127

Final Weight/Volume: 1 mL

Prep Date: 08/21/2015 2130

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.012	J	0.011	0.42
2-Methylnaphthalene		0.0092	U	0.0092	0.42
Acenaphthylene		0.011	U	0.011	0.42
Acenaphthene		0.024	J	0.010	0.42
Fluorene		0.030	J	0.0091	0.42
Phenanthrene		0.64		0.011	0.42
Anthracene		0.11	J	0.040	0.42
Fluoranthene		0.73		0.012	0.42
Pyrene		0.47		0.019	0.42
Benzo[a]anthracene		0.20		0.035	0.042
Chrysene		0.23	J	0.011	0.42
Benzo[b]fluoranthene		0.21		0.016	0.042
Benzo[k]fluoranthene		0.078		0.018	0.042
Benzo[a]pyrene		0.13		0.013	0.042
Indeno[1,2,3-cd]pyrene		0.079		0.028	0.042
Dibenz(a,h)anthracene		0.022	U	0.022	0.042
Benzo[g,h,i]perylene		0.062	J	0.024	0.42

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	83		30 - 130
Terphenyl-d14	102		30 - 130
2-Fluorobiphenyl	85		30 - 130

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-11

Lab Sample ID: 460-99997-11

Date Sampled: 08/20/2015 1158

Client Matrix: Solid

% Moisture: 17.5

Date Received: 08/21/2015 1230

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-318190

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-318158

Lab File ID: z35662.D

Dilution: 1.0

Initial Weight/Volume: 15.0214 g

Analysis Date: 08/22/2015 1710

Final Weight/Volume: 1 mL

Prep Date: 08/21/2015 2130

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.075	J	0.010	0.40
2-Methylnaphthalene		0.039	J	0.0088	0.40
Acenaphthylene		0.010	U	0.010	0.40
Acenaphthene		0.31	J	0.0097	0.40
Fluorene		0.20	J	0.0087	0.40
Phenanthrene		3.4		0.011	0.40
Anthracene		0.79		0.038	0.40
Fluoranthene		5.7		0.012	0.40
Pyrene		4.1		0.018	0.40
Benzo[a]anthracene		2.1		0.033	0.040
Chrysene		2.3		0.011	0.40
Benzo[b]fluoranthene		2.0		0.016	0.040
Benzo[k]fluoranthene		0.87		0.017	0.040
Benzo[a]pyrene		1.6		0.012	0.040
Indeno[1,2,3-cd]pyrene		1.5		0.027	0.040
Dibenz(a,h)anthracene		0.39		0.021	0.040
Benzo[g,h,i]perylene		1.2		0.023	0.40

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	87		30 - 130
Terphenyl-d14	106		30 - 130
2-Fluorobiphenyl	99		30 - 130

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-12

Lab Sample ID: 460-99997-12

Date Sampled: 08/20/2015 1230

Client Matrix: Solid

% Moisture: 16.2

Date Received: 08/21/2015 1230

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-318190

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-318158

Lab File ID: z35656.D

Dilution: 1.0

Initial Weight/Volume: 15.0316 g

Analysis Date: 08/22/2015 1453

Final Weight/Volume: 1 mL

Prep Date: 08/21/2015 2130

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.13	J	0.010	0.39
2-Methylnaphthalene		0.097	J	0.0087	0.39
Acenaphthylene		0.010	U	0.010	0.39
Acenaphthene		0.65		0.0095	0.39
Fluorene		0.33	J	0.0086	0.39
Phenanthrene		3.5		0.010	0.39
Anthracene		0.79		0.037	0.39
Fluoranthene		3.7		0.012	0.39
Pyrene		2.9		0.018	0.39
Benzo[a]anthracene		1.4		0.033	0.039
Chrysene		1.5		0.011	0.39
Benzo[b]fluoranthene		1.4		0.015	0.039
Benzo[k]fluoranthene		0.60		0.017	0.039
Benzo[a]pyrene		1.1		0.012	0.039
Indeno[1,2,3-cd]pyrene		1.1		0.026	0.039
Dibenz(a,h)anthracene		0.27		0.020	0.039
Benzo[g,h,i]perylene		0.91		0.023	0.39

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	81		30 - 130
Terphenyl-d14	89		30 - 130
2-Fluorobiphenyl	88		30 - 130

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-13

Lab Sample ID: 460-99997-13

Date Sampled: 08/20/2015 1239

Client Matrix: Solid

% Moisture: 16.6

Date Received: 08/21/2015 1230

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-318190

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-318158

Lab File ID: z35649.D

Dilution: 1.0

Initial Weight/Volume: 15.0133 g

Analysis Date: 08/22/2015 1213

Final Weight/Volume: 1 mL

Prep Date: 08/21/2015 2130

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.020	J	0.010	0.40
2-Methylnaphthalene		0.012	J	0.0087	0.40
Acenaphthylene		0.010	U	0.010	0.40
Acenaphthene		0.031	J	0.0096	0.40
Fluorene		0.032	J	0.0086	0.40
Phenanthrene		0.44		0.011	0.40
Anthracene		0.081	J	0.038	0.40
Fluoranthene		0.63		0.012	0.40
Pyrene		0.42		0.018	0.40
Benzo[a]anthracene		0.22		0.033	0.040
Chrysene		0.29	J	0.011	0.40
Benzo[b]fluoranthene		0.28		0.015	0.040
Benzo[k]fluoranthene		0.12		0.017	0.040
Benzo[a]pyrene		0.19		0.012	0.040
Indeno[1,2,3-cd]pyrene		0.11		0.026	0.040
Dibenz(a,h)anthracene		0.027	J	0.021	0.040
Benzo[g,h,i]perylene		0.098	J	0.023	0.40
Surrogate		%Rec	Qualifier	Acceptance Limits	
Nitrobenzene-d5		77		30 - 130	
Terphenyl-d14		92		30 - 130	
2-Fluorobiphenyl		78		30 - 130	

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-14

Lab Sample ID: 460-99997-14

Date Sampled: 08/20/2015 1251

Client Matrix: Solid

% Moisture: 13.9

Date Received: 08/21/2015 1230

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-318190

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-318158

Lab File ID: z35664.D

Dilution: 1.0

Initial Weight/Volume: 15.0214 g

Analysis Date: 08/22/2015 1756

Final Weight/Volume: 1 mL

Prep Date: 08/21/2015 2130

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.099	J	0.0097	0.38
2-Methylnaphthalene		0.074	J	0.0085	0.38
Acenaphthylene		0.030	J	0.0099	0.38
Acenaphthene		0.21	J	0.0093	0.38
Fluorene		0.16	J	0.0084	0.38
Phenanthrene		1.5		0.010	0.38
Anthracene		0.35	J	0.036	0.38
Fluoranthene		2.0		0.011	0.38
Pyrene		1.5		0.017	0.38
Benzo[a]anthracene		0.87		0.032	0.038
Chrysene		1.0		0.010	0.38
Benzo[b]fluoranthene		0.99		0.015	0.038
Benzo[k]fluoranthene		0.41		0.017	0.038
Benzo[a]pyrene		0.83		0.012	0.038
Indeno[1,2,3-cd]pyrene		0.74		0.026	0.038
Dibenz(a,h)anthracene		0.18		0.020	0.038
Benzo[g,h,i]perylene		0.64		0.022	0.38
Surrogate		%Rec	Qualifier	Acceptance Limits	
Nitrobenzene-d5		80		30 - 130	
Terphenyl-d14		82		30 - 130	
2-Fluorobiphenyl		88		30 - 130	

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-15

Lab Sample ID: 460-99997-15

Date Sampled: 08/20/2015 1320

Client Matrix: Solid

% Moisture: 19.1

Date Received: 08/21/2015 1230

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-318190

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-318158

Lab File ID: z35648.D

Dilution: 1.0

Initial Weight/Volume: 15.0302 g

Analysis Date: 08/22/2015 1150

Final Weight/Volume: 1 mL

Prep Date: 08/21/2015 2130

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.010	U	0.010	0.41
2-Methylnaphthalene		0.0090	U	0.0090	0.41
Acenaphthylene		0.010	U	0.010	0.41
Acenaphthene		0.0099	U	0.0099	0.41
Fluorene		0.0089	U	0.0089	0.41
Phenanthrene		0.018	J	0.011	0.41
Anthracene		0.039	U	0.039	0.41
Fluoranthene		0.037	J	0.012	0.41
Pyrene		0.031	J	0.019	0.41
Benzo[a]anthracene		0.034	U	0.034	0.041
Chrysene		0.026	J	0.011	0.41
Benzo[b]fluoranthene		0.033	J	0.016	0.041
Benzo[k]fluoranthene		0.018	U	0.018	0.041
Benzo[a]pyrene		0.027	J	0.012	0.041
Indeno[1,2,3-cd]pyrene		0.027	U	0.027	0.041
Dibenz(a,h)anthracene		0.021	U	0.021	0.041
Benzo[g,h,i]perylene		0.023	U	0.023	0.41
Surrogate		%Rec	Qualifier	Acceptance Limits	
Nitrobenzene-d5		78		30 - 130	
Terphenyl-d14		88		30 - 130	
2-Fluorobiphenyl		77		30 - 130	

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-16

Lab Sample ID: 460-99997-16

Date Sampled: 08/20/2015 1337

Client Matrix: Solid

% Moisture: 11.7

Date Received: 08/21/2015 1230

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-318357

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-318158

Lab File ID: z35693.D

Dilution: 5.0

Initial Weight/Volume: 15.0415 g

Analysis Date: 08/24/2015 1406

Final Weight/Volume: 1 mL

Prep Date: 08/21/2015 2130

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.047	U	0.047	1.9
2-Methylnaphthalene		0.041	U	0.041	1.9
Acenaphthylene		0.048	U	0.048	1.9
Acenaphthene		0.13	J	0.045	1.9
Fluorene		0.083	J	0.041	1.9
Phenanthrene		1.2	J	0.050	1.9
Anthracene		0.26	J	0.18	1.9
Fluoranthene		1.6	J	0.055	1.9
Pyrene		0.96	J	0.085	1.9
Benzo[a]anthracene		0.57		0.16	0.19
Chrysene		0.67	J	0.051	1.9
Benzo[b]fluoranthene		0.55		0.073	0.19
Benzo[k]fluoranthene		0.26		0.081	0.19
Benzo[a]pyrene		0.44		0.056	0.19
Indeno[1,2,3-cd]pyrene		0.41		0.12	0.19
Dibenz(a,h)anthracene		0.11	J	0.097	0.19
Benzo[g,h,i]perylene		0.33	J	0.11	1.9

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	75		30 - 130
Terphenyl-d14	62		30 - 130
2-Fluorobiphenyl	78		30 - 130

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-17

Lab Sample ID: 460-99997-17

Date Sampled: 08/20/2015 1353

Client Matrix: Solid

% Moisture: 17.7

Date Received: 08/21/2015 1230

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-318575

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-318158

Lab File ID: z35703.D

Dilution: 2.0

Initial Weight/Volume: 15.0212 g

Analysis Date: 08/25/2015 0745

Final Weight/Volume: 1 mL

Prep Date: 08/21/2015 2130

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.075	J	0.020	0.80
2-Methylnaphthalene		0.051	J	0.018	0.80
Acenaphthylene		0.021	U	0.021	0.80
Acenaphthene		0.27	J	0.019	0.80
Fluorene		0.15	J	0.017	0.80
Phenanthrene		2.7		0.021	0.80
Anthracene		0.54	J	0.076	0.80
Fluoranthene		2.8		0.024	0.80
Pyrene		2.5		0.036	0.80
Benzo[a]anthracene		1.1		0.067	0.080
Chrysene		1.2		0.022	0.80
Benzo[b]fluoranthene		1.2		0.031	0.080
Benzo[k]fluoranthene		0.45		0.035	0.080
Benzo[a]pyrene		0.88		0.024	0.080
Indeno[1,2,3-cd]pyrene		0.89		0.053	0.080
Dibenz(a,h)anthracene		0.20		0.042	0.080
Benzo[g,h,i]perylene		0.81		0.046	0.80

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	62		30 - 130
Terphenyl-d14	72		30 - 130
2-Fluorobiphenyl	65		30 - 130

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-18

Lab Sample ID: 460-99997-18

Date Sampled: 08/20/2015 1420

Client Matrix: Solid

% Moisture: 18.7

Date Received: 08/21/2015 1230

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-318357

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-318158

Lab File ID: z35688.D

Dilution: 2.0

Initial Weight/Volume: 15.0312 g

Analysis Date: 08/24/2015 1211

Final Weight/Volume: 1 mL

Prep Date: 08/21/2015 2130

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.35	J	0.021	0.81
2-Methylnaphthalene		0.17	J	0.018	0.81
Acenaphthylene		0.021	U	0.021	0.81
Acenaphthene		1.1		0.020	0.81
Fluorene		0.73	J	0.018	0.81
Phenanthrene		12		0.022	0.81
Anthracene		2.8		0.077	0.81
Fluoranthene		12		0.024	0.81
Pyrene		7.0		0.037	0.81
Benzo[a]anthracene		3.6		0.068	0.081
Chrysene		3.9		0.022	0.81
Benzo[b]fluoranthene		3.4		0.032	0.081
Benzo[k]fluoranthene		1.5		0.035	0.081
Benzo[a]pyrene		2.8		0.025	0.081
Indeno[1,2,3-cd]pyrene		2.6		0.054	0.081
Dibenz(a,h)anthracene		0.65		0.042	0.081
Benzo[g,h,i]perylene		2.2		0.047	0.81

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	79		30 - 130
Terphenyl-d14	80		30 - 130
2-Fluorobiphenyl	85		30 - 130

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-19

Lab Sample ID: 460-99997-19

Date Sampled: 08/20/2015 1437

Client Matrix: Solid

% Moisture: 17.5

Date Received: 08/21/2015 1230

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-318190

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-318158

Lab File ID: z35659.D

Dilution: 5.0

Initial Weight/Volume: 15.0128 g

Analysis Date: 08/22/2015 1602

Final Weight/Volume: 1 mL

Prep Date: 08/21/2015 2130

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.32	J	0.051	2.0
2-Methylnaphthalene		0.18	J	0.044	2.0
Acenaphthylene		0.051	U	0.051	2.0
Acenaphthene		1.2	J	0.048	2.0
Fluorene		0.98	J	0.044	2.0
Phenanthrene		9.7		0.053	2.0
Anthracene		2.6		0.19	2.0
Fluoranthene		11		0.059	2.0
Pyrene		7.8		0.091	2.0
Benzo[a]anthracene		3.9		0.17	0.20
Chrysene		4.2		0.054	2.0
Benzo[b]fluoranthene		4.1		0.078	0.20
Benzo[k]fluoranthene		1.5		0.087	0.20
Benzo[a]pyrene		3.2		0.061	0.20
Indeno[1,2,3-cd]pyrene		2.9		0.13	0.20
Dibenz(a,h)anthracene		0.77		0.10	0.20
Benzo[g,h,i]perylene		2.4		0.12	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	80		30 - 130
Terphenyl-d14	93		30 - 130
2-Fluorobiphenyl	88		30 - 130

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-20

Lab Sample ID: 460-99997-20

Client Matrix: Solid

% Moisture: 14.9

Date Sampled: 08/20/2015 1450

Date Received: 08/21/2015 1230

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-318190

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-318158

Lab File ID: z35657.D

Dilution: 1.0

Initial Weight/Volume: 15.0312 g

Analysis Date: 08/22/2015 1516

Final Weight/Volume: 1 mL

Prep Date: 08/21/2015 2130

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.18	J	0.0098	0.39
2-Methylnaphthalene		0.17	J	0.0086	0.39
Acenaphthylene		0.025	J	0.010	0.39
Acenaphthene		0.24	J	0.0094	0.39
Fluorene		0.25	J	0.0084	0.39
Phenanthrene		2.7		0.010	0.39
Anthracene		0.54		0.037	0.39
Fluoranthene		2.6		0.011	0.39
Pyrene		2.0		0.018	0.39
Benzo[a]anthracene		1.0		0.032	0.039
Chrysene		1.0		0.011	0.39
Benzo[b]fluoranthene		1.1		0.015	0.039
Benzo[k]fluoranthene		0.41		0.017	0.039
Benzo[a]pyrene		0.84		0.012	0.039
Indeno[1,2,3-cd]pyrene		0.80		0.026	0.039
Dibenz(a,h)anthracene		0.20		0.020	0.039
Benzo[g,h,i]perylene		0.69		0.022	0.39

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	77		30 - 130
Terphenyl-d14	91		30 - 130
2-Fluorobiphenyl	83		30 - 130

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-21

Lab Sample ID: 460-99997-21

Date Sampled: 08/20/2015 1537

Client Matrix: Solid

% Moisture: 13.6

Date Received: 08/21/2015 1230

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-318191

Instrument ID: CBNAMS5

Prep Method: 3546

Prep Batch: 460-318152

Lab File ID: x5564.D

Dilution: 1.0

Initial Weight/Volume: 15.0219 g

Analysis Date: 08/22/2015 1134

Final Weight/Volume: 1 mL

Prep Date: 08/21/2015 1943

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.0097	U F1	0.0097	0.38
2-Methylnaphthalene		0.0084	U	0.0084	0.38
Acenaphthylene		0.0098	U F1	0.0098	0.38
Acenaphthene		0.0092	U	0.0092	0.38
Fluorene		0.0083	U	0.0083	0.38
Phenanthrene		0.016	J	0.010	0.38
Anthracene		0.036	U	0.036	0.38
Fluoranthene		0.027	J	0.011	0.38
Pyrene		0.020	J F1	0.017	0.38
Benzo[a]anthracene		0.032	U F1	0.032	0.038
Chrysene		0.012	J	0.010	0.38
Benzo[b]fluoranthene		0.015	J	0.015	0.038
Benzo[k]fluoranthene		0.017	U	0.017	0.038
Benzo[a]pyrene		0.012	U	0.012	0.038
Indeno[1,2,3-cd]pyrene		0.025	U	0.025	0.038
Dibenz(a,h)anthracene		0.020	U	0.020	0.038
Benzo[g,h,i]perylene		0.022	U F1	0.022	0.38

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	67		30 - 130
Terphenyl-d14	76		30 - 130
2-Fluorobiphenyl	64		30 - 130

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-22

Lab Sample ID: 460-99997-22

Date Sampled: 08/20/2015 1601

Client Matrix: Solid

% Moisture: 15.9

Date Received: 08/21/2015 1230

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-318191

Instrument ID: CBNAMS5

Prep Method: 3546

Prep Batch: 460-318152

Lab File ID: x5567.D

Dilution: 1.0

Initial Weight/Volume: 15.0127 g

Analysis Date: 08/22/2015 1246

Final Weight/Volume: 1 mL

Prep Date: 08/21/2015 1943

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.010	U	0.010	0.39
2-Methylnaphthalene		0.0087	U	0.0087	0.39
Acenaphthylene		0.010	U	0.010	0.39
Acenaphthene		0.097	J	0.0095	0.39
Fluorene		0.082	J	0.0086	0.39
Phenanthrene		0.87		0.010	0.39
Anthracene		0.25	J	0.037	0.39
Fluoranthene		1.0		0.012	0.39
Pyrene		0.97		0.018	0.39
Benzo[a]anthracene		0.44		0.033	0.039
Chrysene		0.45		0.011	0.39
Benzo[b]fluoranthene		0.53		0.015	0.039
Benzo[k]fluoranthene		0.23		0.017	0.039
Benzo[a]pyrene		0.37		0.012	0.039
Indeno[1,2,3-cd]pyrene		0.24		0.026	0.039
Dibenz(a,h)anthracene		0.062		0.020	0.039
Benzo[g,h,i]perylene		0.24	J	0.023	0.39
Surrogate		%Rec	Qualifier	Acceptance Limits	
Nitrobenzene-d5		64		30 - 130	
Terphenyl-d14		84		30 - 130	
2-Fluorobiphenyl		64		30 - 130	

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-1

Lab Sample ID: 460-99997-1

Date Sampled: 08/20/2015 0845

Client Matrix: Solid

% Moisture: 19.6

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0214 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1114

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.011	U	0.011	0.083
Aroclor 1221		0.011	U	0.011	0.083
Aroclor 1232		0.011	U	0.011	0.083
Aroclor 1242		0.011	U	0.011	0.083
Aroclor 1248		0.011	U	0.011	0.083
Aroclor 1254		0.011	U	0.011	0.083
Aroclor 1260		0.011	U	0.011	0.083
Aroclor 1262		0.011	U	0.011	0.083
Aroclor 1268		0.011	U	0.011	0.083
Polychlorinated biphenyls, Total		0.011	U	0.011	0.083

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	115		30 - 150
Tetrachloro-m-xylene	111		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-1

Lab Sample ID: 460-99997-1

Date Sampled: 08/20/2015 0845

Client Matrix: Solid

% Moisture: 19.6

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0214 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1114

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	109		30 - 150
Tetrachloro-m-xylene	110		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-2

Lab Sample ID: 460-99997-2

Date Sampled: 08/20/2015 0901

Client Matrix: Solid

% Moisture: 9.3

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0123 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1030

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.0098	U	0.0098	0.074
Aroclor 1221		0.0098	U	0.0098	0.074
Aroclor 1232		0.0098	U	0.0098	0.074
Aroclor 1242		0.0098	U	0.0098	0.074
Aroclor 1248		0.0098	U	0.0098	0.074
Aroclor 1254		0.010	U	0.010	0.074
Aroclor 1260		0.010	U F1	0.010	0.074
Aroclor 1262		0.010	U	0.010	0.074
Aroclor 1268		0.010	U	0.010	0.074
Polychlorinated biphenyls, Total		0.010	U	0.010	0.074

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	132		30 - 150
Tetrachloro-m-xylene	128		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-2

Lab Sample ID: 460-99997-2

Date Sampled: 08/20/2015 0901

Client Matrix: Solid

% Moisture: 9.3

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0123 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1030

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	127		30 - 150
Tetrachloro-m-xylene	128		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-3

Lab Sample ID: 460-99997-3

Date Sampled: 08/20/2015 0925

Client Matrix: Solid

% Moisture: 11.5

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0318 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1129

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.010	U	0.010	0.076
Aroclor 1221		0.010	U	0.010	0.076
Aroclor 1232		0.010	U	0.010	0.076
Aroclor 1242		0.010	U	0.010	0.076
Aroclor 1248		0.010	U	0.010	0.076
Aroclor 1254		0.010	U	0.010	0.076
Aroclor 1260		0.010	U	0.010	0.076
Aroclor 1262		0.010	U	0.010	0.076
Aroclor 1268		0.010	U	0.010	0.076
Polychlorinated biphenyls, Total		0.010	U	0.010	0.076

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	138		30 - 150
Tetrachloro-m-xylene	140		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-3

Lab Sample ID: 460-99997-3

Date Sampled: 08/20/2015 0925

Client Matrix: Solid

% Moisture: 11.5

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0318 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1129

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	134		30 - 150
Tetrachloro-m-xylene	138		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-4

Lab Sample ID: 460-99997-4

Date Sampled: 08/20/2015 0937

Client Matrix: Solid

% Moisture: 17.8

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0127 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1143

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.011	U	0.011	0.081
Aroclor 1221		0.011	U	0.011	0.081
Aroclor 1232		0.011	U	0.011	0.081
Aroclor 1242		0.011	U	0.011	0.081
Aroclor 1248		0.011	U	0.011	0.081
Aroclor 1254		0.011	U	0.011	0.081
Aroclor 1260		0.011	U	0.011	0.081
Aroclor 1262		0.011	U	0.011	0.081
Aroclor 1268		0.011	U	0.011	0.081
Polychlorinated biphenyls, Total		0.011	U	0.011	0.081

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	117		30 - 150
Tetrachloro-m-xylene	114		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-4

Lab Sample ID: 460-99997-4

Date Sampled: 08/20/2015 0937

Client Matrix: Solid

% Moisture: 17.8

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0127 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1143

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	112		30 - 150
Tetrachloro-m-xylene	113		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-5

Lab Sample ID: 460-99997-5

Date Sampled: 08/20/2015 0957

Client Matrix: Solid

% Moisture: 21.0

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0215 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1158

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.011	U	0.011	0.085
Aroclor 1221		0.011	U	0.011	0.085
Aroclor 1232		0.011	U	0.011	0.085
Aroclor 1242		0.011	U	0.011	0.085
Aroclor 1248		0.011	U	0.011	0.085
Aroclor 1254		0.012	U	0.012	0.085
Aroclor 1260		0.012	U	0.012	0.085
Aroclor 1262		0.012	U	0.012	0.085
Aroclor 1268		0.012	U	0.012	0.085
Polychlorinated biphenyls, Total		0.012	U	0.012	0.085

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	127		30 - 150
Tetrachloro-m-xylene	120		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-5

Lab Sample ID: 460-99997-5

Date Sampled: 08/20/2015 0957

Client Matrix: Solid

% Moisture: 21.0

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0215 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1158

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	126		30 - 150
Tetrachloro-m-xylene	119		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-6

Lab Sample ID: 460-99997-6

Date Sampled: 08/20/2015 1010

Client Matrix: Solid

% Moisture: 15.6

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0122 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1212

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.011	U	0.011	0.079
Aroclor 1221		0.011	U	0.011	0.079
Aroclor 1232		0.011	U	0.011	0.079
Aroclor 1242		0.011	U	0.011	0.079
Aroclor 1248		0.011	U	0.011	0.079
Aroclor 1254		0.011	U	0.011	0.079
Aroclor 1260		0.011	U	0.011	0.079
Aroclor 1262		0.011	U	0.011	0.079
Aroclor 1268		0.011	U	0.011	0.079
Polychlorinated biphenyls, Total		0.011	U	0.011	0.079

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	143		30 - 150
Tetrachloro-m-xylene	143		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-6

Lab Sample ID: 460-99997-6

Date Sampled: 08/20/2015 1010

Client Matrix: Solid

% Moisture: 15.6

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0122 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1212

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	133		30 - 150
Tetrachloro-m-xylene	138		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-7

Lab Sample ID: 460-99997-7

Date Sampled: 08/20/2015 1035

Client Matrix: Solid

% Moisture: 14.9

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0317 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1227

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.010	U	0.010	0.079
Aroclor 1221		0.010	U	0.010	0.079
Aroclor 1232		0.010	U	0.010	0.079
Aroclor 1242		0.010	U	0.010	0.079
Aroclor 1248		0.010	U	0.010	0.079
Aroclor 1254		0.011	U	0.011	0.079
Aroclor 1260		0.011	U	0.011	0.079
Aroclor 1262		0.011	U	0.011	0.079
Aroclor 1268		0.011	U	0.011	0.079
Polychlorinated biphenyls, Total		0.011	U	0.011	0.079

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	112		30 - 150
Tetrachloro-m-xylene	114		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-7

Lab Sample ID: 460-99997-7

Date Sampled: 08/20/2015 1035

Client Matrix: Solid

% Moisture: 14.9

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0317 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1227

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	110		30 - 150
Tetrachloro-m-xylene	112		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-8

Lab Sample ID: 460-99997-8

Date Sampled: 08/20/2015 1058

Client Matrix: Solid

% Moisture: 18.9

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0214 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1241

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.011	U	0.011	0.082
Aroclor 1221		0.011	U	0.011	0.082
Aroclor 1232		0.011	U	0.011	0.082
Aroclor 1242		0.011	U	0.011	0.082
Aroclor 1248		0.011	U	0.011	0.082
Aroclor 1254		0.011	U	0.011	0.082
Aroclor 1260		0.011	U	0.011	0.082
Aroclor 1262		0.011	U	0.011	0.082
Aroclor 1268		0.011	U	0.011	0.082
Polychlorinated biphenyls, Total		0.011	U	0.011	0.082

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	87		30 - 150
Tetrachloro-m-xylene	85		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-8

Lab Sample ID: 460-99997-8

Date Sampled: 08/20/2015 1058

Client Matrix: Solid

% Moisture: 18.9

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0214 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1241

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	82		30 - 150
Tetrachloro-m-xylene	85		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-9

Lab Sample ID: 460-99997-9

Date Sampled: 08/20/2015 1120

Client Matrix: Solid

% Moisture: 17.7

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0326 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1256

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.011	U	0.011	0.081
Aroclor 1221		0.011	U	0.011	0.081
Aroclor 1232		0.011	U	0.011	0.081
Aroclor 1242		0.011	U	0.011	0.081
Aroclor 1248		0.011	U	0.011	0.081
Aroclor 1254		0.011	U	0.011	0.081
Aroclor 1260		0.011	U	0.011	0.081
Aroclor 1262		0.011	U	0.011	0.081
Aroclor 1268		0.011	U	0.011	0.081
Polychlorinated biphenyls, Total		0.011	U	0.011	0.081

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	106		30 - 150
Tetrachloro-m-xylene	94		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-9

Lab Sample ID: 460-99997-9

Date Sampled: 08/20/2015 1120

Client Matrix: Solid

% Moisture: 17.7

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0326 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1256

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	102		30 - 150
Tetrachloro-m-xylene	94		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-10

Lab Sample ID: 460-99997-10

Date Sampled: 08/20/2015 1135

Client Matrix: Solid

% Moisture: 20.6

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0214 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1310

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.011	U	0.011	0.084
Aroclor 1221		0.011	U	0.011	0.084
Aroclor 1232		0.011	U	0.011	0.084
Aroclor 1242		0.011	U	0.011	0.084
Aroclor 1248		0.011	U	0.011	0.084
Aroclor 1254		0.012	U	0.012	0.084
Aroclor 1260		0.012	U	0.012	0.084
Aroclor 1262		0.012	U	0.012	0.084
Aroclor 1268		0.012	U	0.012	0.084
Polychlorinated biphenyls, Total		0.012	U	0.012	0.084

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	115		30 - 150
Tetrachloro-m-xylene	109		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-10

Lab Sample ID: 460-99997-10

Date Sampled: 08/20/2015 1135

Client Matrix: Solid

% Moisture: 20.6

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0214 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1310

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	104		30 - 150
Tetrachloro-m-xylene	109		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-11

Lab Sample ID: 460-99997-11

Date Sampled: 08/20/2015 1158

Client Matrix: Solid

% Moisture: 17.5

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0326 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1325

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.011	U	0.011	0.081
Aroclor 1221		0.011	U	0.011	0.081
Aroclor 1232		0.011	U	0.011	0.081
Aroclor 1242		0.011	U	0.011	0.081
Aroclor 1248		0.011	U	0.011	0.081
Aroclor 1254		0.011	U	0.011	0.081
Aroclor 1260		0.011	U	0.011	0.081
Aroclor 1262		0.011	U	0.011	0.081
Aroclor 1268		0.011	U	0.011	0.081
Polychlorinated biphenyls, Total		0.011	U	0.011	0.081

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	108		30 - 150
Tetrachloro-m-xylene	101		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-11

Lab Sample ID: 460-99997-11

Date Sampled: 08/20/2015 1158

Client Matrix: Solid

% Moisture: 17.5

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0326 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1325

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	107		30 - 150
Tetrachloro-m-xylene	99		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-12

Lab Sample ID: 460-99997-12

Date Sampled: 08/20/2015 1230

Client Matrix: Solid

% Moisture: 16.2

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0127 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1339

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.011	U	0.011	0.080
Aroclor 1221		0.011	U	0.011	0.080
Aroclor 1232		0.011	U	0.011	0.080
Aroclor 1242		0.011	U	0.011	0.080
Aroclor 1248		0.011	U	0.011	0.080
Aroclor 1254		0.011	U	0.011	0.080
Aroclor 1260		0.011	U	0.011	0.080
Aroclor 1262		0.011	U	0.011	0.080
Aroclor 1268		0.011	U	0.011	0.080
Polychlorinated biphenyls, Total		0.011	U	0.011	0.080

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	106		30 - 150
Tetrachloro-m-xylene	100		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-12

Lab Sample ID: 460-99997-12

Date Sampled: 08/20/2015 1230

Client Matrix: Solid

% Moisture: 16.2

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0127 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1339

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	104		30 - 150
Tetrachloro-m-xylene	98		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-13

Lab Sample ID: 460-99997-13

Date Sampled: 08/20/2015 1239

Client Matrix: Solid

% Moisture: 16.6

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0316 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1354

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.011	U	0.011	0.080
Aroclor 1221		0.011	U	0.011	0.080
Aroclor 1232		0.011	U	0.011	0.080
Aroclor 1242		0.011	U	0.011	0.080
Aroclor 1248		0.011	U	0.011	0.080
Aroclor 1254		0.011	U	0.011	0.080
Aroclor 1260		0.011	U	0.011	0.080
Aroclor 1262		0.011	U	0.011	0.080
Aroclor 1268		0.011	U	0.011	0.080
Polychlorinated biphenyls, Total		0.011	U	0.011	0.080

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	118		30 - 150
Tetrachloro-m-xylene	111		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-13

Lab Sample ID: 460-99997-13

Date Sampled: 08/20/2015 1239

Client Matrix: Solid

% Moisture: 16.6

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0316 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1354

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	117		30 - 150
Tetrachloro-m-xylene	111		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-14

Lab Sample ID: 460-99997-14

Date Sampled: 08/20/2015 1251

Client Matrix: Solid

% Moisture: 13.9

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0247 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1408

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.010	U	0.010	0.078
Aroclor 1221		0.010	U	0.010	0.078
Aroclor 1232		0.010	U	0.010	0.078
Aroclor 1242		0.010	U	0.010	0.078
Aroclor 1248		0.010	U	0.010	0.078
Aroclor 1254		0.011	U	0.011	0.078
Aroclor 1260		0.011	U	0.011	0.078
Aroclor 1262		0.011	U	0.011	0.078
Aroclor 1268		0.011	U	0.011	0.078
Polychlorinated biphenyls, Total		0.011	U	0.011	0.078

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	108		30 - 150
Tetrachloro-m-xylene	102		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-14

Lab Sample ID: 460-99997-14

Date Sampled: 08/20/2015 1251

Client Matrix: Solid

% Moisture: 13.9

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0247 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1408

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	103		30 - 150
Tetrachloro-m-xylene	101		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-15

Lab Sample ID: 460-99997-15

Date Sampled: 08/20/2015 1320

Client Matrix: Solid

% Moisture: 19.1

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0216 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1423

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.011	U	0.011	0.083
Aroclor 1221		0.011	U	0.011	0.083
Aroclor 1232		0.011	U	0.011	0.083
Aroclor 1242		0.011	U	0.011	0.083
Aroclor 1248		0.011	U	0.011	0.083
Aroclor 1254		0.011	U	0.011	0.083
Aroclor 1260		0.011	U	0.011	0.083
Aroclor 1262		0.011	U	0.011	0.083
Aroclor 1268		0.011	U	0.011	0.083
Polychlorinated biphenyls, Total		0.011	U	0.011	0.083

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	114		30 - 150
Tetrachloro-m-xylene	106		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-15

Lab Sample ID: 460-99997-15

Date Sampled: 08/20/2015 1320

Client Matrix: Solid

% Moisture: 19.1

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0216 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1423

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	102		30 - 150
Tetrachloro-m-xylene	106		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-16

Lab Sample ID: 460-99997-16

Date Sampled: 08/20/2015 1337

Client Matrix: Solid

% Moisture: 11.7

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0324 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1437

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.010	U	0.010	0.076
Aroclor 1221		0.010	U	0.010	0.076
Aroclor 1232		0.010	U	0.010	0.076
Aroclor 1242		0.010	U	0.010	0.076
Aroclor 1248		0.010	U	0.010	0.076
Aroclor 1254		0.010	U	0.010	0.076
Aroclor 1260		0.010	U	0.010	0.076
Aroclor 1262		0.010	U	0.010	0.076
Aroclor 1268		0.010	U	0.010	0.076
Polychlorinated biphenyls, Total		0.010	U	0.010	0.076

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	99		30 - 150
Tetrachloro-m-xylene	97		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-16

Lab Sample ID: 460-99997-16

Date Sampled: 08/20/2015 1337

Client Matrix: Solid

% Moisture: 11.7

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0324 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1437

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	98		30 - 150
Tetrachloro-m-xylene	96		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-17

Lab Sample ID: 460-99997-17

Date Sampled: 08/20/2015 1353

Client Matrix: Solid

% Moisture: 17.7

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0122 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1452

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.011	U	0.011	0.081
Aroclor 1221		0.011	U	0.011	0.081
Aroclor 1232		0.011	U	0.011	0.081
Aroclor 1242		0.011	U	0.011	0.081
Aroclor 1248		0.011	U	0.011	0.081
Aroclor 1254		0.011	U	0.011	0.081
Aroclor 1260		0.011	U	0.011	0.081
Aroclor 1262		0.011	U	0.011	0.081
Aroclor 1268		0.011	U	0.011	0.081
Polychlorinated biphenyls, Total		0.011	U	0.011	0.081

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	108		30 - 150
Tetrachloro-m-xylene	103		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-17

Lab Sample ID: 460-99997-17

Date Sampled: 08/20/2015 1353

Client Matrix: Solid

% Moisture: 17.7

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0122 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1452

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	105		30 - 150
Tetrachloro-m-xylene	103		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-18

Lab Sample ID: 460-99997-18

Date Sampled: 08/20/2015 1420

Client Matrix: Solid

% Moisture: 18.7

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0312 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1506

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.011	U	0.011	0.082
Aroclor 1221		0.011	U	0.011	0.082
Aroclor 1232		0.011	U	0.011	0.082
Aroclor 1242		0.011	U	0.011	0.082
Aroclor 1248		0.011	U	0.011	0.082
Aroclor 1254		0.011	U	0.011	0.082
Aroclor 1260		0.011	U	0.011	0.082
Aroclor 1262		0.011	U	0.011	0.082
Aroclor 1268		0.011	U	0.011	0.082
Polychlorinated biphenyls, Total		0.011	U	0.011	0.082

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	103		30 - 150
Tetrachloro-m-xylene	95		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-18

Lab Sample ID: 460-99997-18

Date Sampled: 08/20/2015 1420

Client Matrix: Solid

% Moisture: 18.7

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0312 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1506

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	97		30 - 150
Tetrachloro-m-xylene	94		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-19

Lab Sample ID: 460-99997-19

Date Sampled: 08/20/2015 1437

Client Matrix: Solid

% Moisture: 17.5

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0414 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1521

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.011	U	0.011	0.081
Aroclor 1221		0.011	U	0.011	0.081
Aroclor 1232		0.011	U	0.011	0.081
Aroclor 1242		0.011	U	0.011	0.081
Aroclor 1248		0.011	U	0.011	0.081
Aroclor 1254		0.011	U	0.011	0.081
Aroclor 1260		0.011	U	0.011	0.081
Aroclor 1262		0.011	U	0.011	0.081
Aroclor 1268		0.011	U	0.011	0.081
Polychlorinated biphenyls, Total		0.011	U	0.011	0.081

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	105		30 - 150
Tetrachloro-m-xylene	96		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-19

Lab Sample ID: 460-99997-19

Date Sampled: 08/20/2015 1437

Client Matrix: Solid

% Moisture: 17.5

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0414 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1521

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	101		30 - 150
Tetrachloro-m-xylene	96		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-20

Lab Sample ID: 460-99997-20

Date Sampled: 08/20/2015 1450

Client Matrix: Solid

% Moisture: 14.9

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0321 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1535

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.010	U	0.010	0.079
Aroclor 1221		0.010	U	0.010	0.079
Aroclor 1232		0.010	U	0.010	0.079
Aroclor 1242		0.010	U	0.010	0.079
Aroclor 1248		0.010	U	0.010	0.079
Aroclor 1254		0.011	U	0.011	0.079
Aroclor 1260		0.011	U	0.011	0.079
Aroclor 1262		0.011	U	0.011	0.079
Aroclor 1268		0.011	U	0.011	0.079
Polychlorinated biphenyls, Total		0.011	U	0.011	0.079

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	111		30 - 150
Tetrachloro-m-xylene	105		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-20

Lab Sample ID: 460-99997-20

Date Sampled: 08/20/2015 1450

Client Matrix: Solid

% Moisture: 14.9

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318286

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318167

Initial Weight/Volume: 15.0321 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/23/2015 1535

Injection Volume: 1 uL

Prep Date: 08/21/2015 2224

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	105		30 - 150
Tetrachloro-m-xylene	104		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-21

Lab Sample ID: 460-99997-21

Date Sampled: 08/20/2015 1537

Client Matrix: Solid

% Moisture: 13.6

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318197

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318165

Initial Weight/Volume: 15.0217 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/22/2015 1026

Injection Volume: 1 uL

Prep Date: 08/21/2015 2218

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.010	U	0.010	0.077
Aroclor 1221		0.010	U	0.010	0.077
Aroclor 1232		0.010	U	0.010	0.077
Aroclor 1242		0.010	U	0.010	0.077
Aroclor 1248		0.010	U	0.010	0.077
Aroclor 1254		0.011	U	0.011	0.077
Aroclor 1260		0.011	U F1	0.011	0.077
Aroclor 1262		0.011	U	0.011	0.077
Aroclor 1268		0.011	U	0.011	0.077
Polychlorinated biphenyls, Total		0.011	U	0.011	0.077

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	118		30 - 150
Tetrachloro-m-xylene	112		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-21

Lab Sample ID: 460-99997-21

Date Sampled: 08/20/2015 1537

Client Matrix: Solid

% Moisture: 13.6

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318197

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318165

Initial Weight/Volume: 15.0217 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/22/2015 1026

Injection Volume: 1 uL

Prep Date: 08/21/2015 2218

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	114		30 - 150
Tetrachloro-m-xylene	111		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-22

Lab Sample ID: 460-99997-22

Date Sampled: 08/20/2015 1601

Client Matrix: Solid

% Moisture: 15.9

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318197

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318165

Initial Weight/Volume: 15.0128 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/22/2015 1110

Injection Volume: 1 uL

Prep Date: 08/21/2015 2218

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.011	U	0.011	0.080
Aroclor 1221		0.011	U	0.011	0.080
Aroclor 1232		0.011	U	0.011	0.080
Aroclor 1242		0.011	U	0.011	0.080
Aroclor 1248		0.011	U	0.011	0.080
Aroclor 1254		0.011	U	0.011	0.080
Aroclor 1260		0.011	U	0.011	0.080
Aroclor 1262		0.011	U	0.011	0.080
Aroclor 1268		0.011	U	0.011	0.080
Polychlorinated biphenyls, Total		0.011	U	0.011	0.080

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	124		30 - 150
Tetrachloro-m-xylene	121		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-22

Lab Sample ID: 460-99997-22

Date Sampled: 08/20/2015 1601

Client Matrix: Solid

% Moisture: 15.9

Date Received: 08/21/2015 1230

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-318197

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-318165

Initial Weight/Volume: 15.0128 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/22/2015 1110

Injection Volume: 1 uL

Prep Date: 08/21/2015 2218

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	87		30 - 150
Tetrachloro-m-xylene	84		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-1

Lab Sample ID: 460-99997-1

Date Sampled: 08/20/2015 0845

Client Matrix: Solid

% Moisture: 19.6

Date Received: 08/21/2015 1230

6020A Metals (ICP/MS)

Analysis Method: 6020A

Analysis Batch: 460-319928

Instrument ID: ICPMS1

Prep Method: 3050B

Prep Batch: 460-319427

Lab File ID: 025SMPL.D

Dilution: 20

Initial Weight/Volume: 1.14 g

Analysis Date: 08/30/2015 2002

Final Weight/Volume: 50 mL

Prep Date: 08/28/2015 0729

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		20000		8.0	21.8
Silver		0.82	U	0.82	1.1
Arsenic		7.7		0.49	1.1
Barium		146		0.72	2.2
Beryllium		1.2		0.14	0.44
Calcium		4620		39.1	109
Cadmium		0.34	U	0.34	1.1
Chromium		28.6		0.85	2.2
Cobalt		12.3		0.84	2.2
Copper		25.2		0.74	2.2
Iron		25000		28.3	65.5
Potassium		2470		37.1	109
Magnesium		5240		39.2	109
Manganese		702		1.7	4.4
Sodium		440		41.9	109
Nickel		20.9		0.85	2.2
Lead		29.5		0.24	0.65
Antimony		0.45	U	0.45	1.1
Selenium		0.66	J	0.42	5.5
Thallium		0.27	J	0.17	0.44
Vanadium		53.4		0.84	2.2
Zinc		71.8		2.7	8.7

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-319713

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-319643

Lab File ID: 319643hg1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.63 g

Analysis Date: 08/29/2015 1301

Final Weight/Volume: 50 mL

Prep Date: 08/29/2015 0925

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.063		0.014	0.020

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-2

Lab Sample ID: 460-99997-2

Date Sampled: 08/20/2015 0901

Client Matrix: Solid

% Moisture: 9.3

Date Received: 08/21/2015 1230

6020A Metals (ICP/MS)

Analysis Method: 6020A

Analysis Batch: 460-319928

Instrument ID: ICPMS1

Prep Method: 3050B

Prep Batch: 460-319427

Lab File ID: 026SMPL.D

Dilution: 20

Initial Weight/Volume: 1.02 g

Analysis Date: 08/30/2015 2007

Final Weight/Volume: 50 mL

Prep Date: 08/28/2015 0729

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		20200		8.0	21.6
Silver		0.81	U	0.81	1.1
Arsenic		13.0		0.48	1.1
Barium		111		0.71	2.2
Beryllium		1.7		0.14	0.43
Calcium		5260		38.7	108
Cadmium		0.34	U	0.34	1.1
Chromium		47.4		0.84	2.2
Cobalt		23.8		0.83	2.2
Copper		40.9		0.73	2.2
Iron		39900		28.0	64.9
Potassium		4020		36.8	108
Magnesium		9650		38.8	108
Manganese		908		1.7	4.3
Sodium		337		41.5	108
Nickel		30.9		0.85	2.2
Lead		26.0		0.24	0.65
Antimony		0.44	U	0.44	1.1
Selenium		0.46	J	0.42	5.4
Thallium		0.45		0.17	0.43
Vanadium		83.7		0.84	2.2
Zinc		82.9		2.6	8.6

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-319713

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-319643

Lab File ID: 319643hg1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.64 g

Analysis Date: 08/29/2015 1304

Final Weight/Volume: 50 mL

Prep Date: 08/29/2015 0925

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.31		0.012	0.018

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-3

Lab Sample ID: 460-99997-3

Date Sampled: 08/20/2015 0925

Client Matrix: Solid

% Moisture: 11.5

Date Received: 08/21/2015 1230

6020A Metals (ICP/MS)

Analysis Method: 6020A

Analysis Batch: 460-319928

Instrument ID: ICPMS1

Prep Method: 3050B

Prep Batch: 460-319427

Lab File ID: 030SMPL.D

Dilution: 20

Initial Weight/Volume: 1.05 g

Analysis Date: 08/30/2015 2029

Final Weight/Volume: 50 mL

Prep Date: 08/28/2015 0729

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		13000		7.9	21.5
Silver		0.81	U	0.81	1.1
Arsenic		7.3		0.48	1.1
Barium		52.7		0.71	2.2
Beryllium		0.72		0.14	0.43
Calcium		30100		38.5	108
Cadmium		0.34	U	0.34	1.1
Chromium		36.9		0.83	2.2
Cobalt		10.5		0.83	2.2
Copper		54.0		0.72	2.2
Iron		25500		27.9	64.5
Potassium		2200		36.6	108
Magnesium		8350		38.6	108
Manganese		390		1.7	4.3
Sodium		824		41.3	108
Nickel		27.9		0.84	2.2
Lead		15.5		0.24	0.65
Antimony		0.44	J	0.44	1.1
Selenium		0.41	U	0.41	5.4
Thallium		0.17	U	0.17	0.43
Vanadium		47.8		0.83	2.2
Zinc		57.0		2.6	8.6

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-319713

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-319643

Lab File ID: 319643hg1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.61 g

Analysis Date: 08/29/2015 1306

Final Weight/Volume: 50 mL

Prep Date: 08/29/2015 0925

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.083		0.013	0.019

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-4

Lab Sample ID: 460-99997-4

Date Sampled: 08/20/2015 0937

Client Matrix: Solid

% Moisture: 17.8

Date Received: 08/21/2015 1230

6020A Metals (ICP/MS)

Analysis Method: 6020A

Analysis Batch: 460-319928

Instrument ID: ICPMS1

Prep Method: 3050B

Prep Batch: 460-319427

Lab File ID: 031SMPL.D

Dilution: 20

Initial Weight/Volume: 1.03 g

Analysis Date: 08/30/2015 2034

Final Weight/Volume: 50 mL

Prep Date: 08/28/2015 0729

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		10700		8.7	23.6
Silver		0.89	U	0.89	1.2
Arsenic		11.1		0.53	1.2
Barium		78.8		0.78	2.4
Beryllium		0.62		0.15	0.47
Calcium		82500		42.3	118
Cadmium		0.44	J	0.37	1.2
Chromium		47.5		0.92	2.4
Cobalt		4.6		0.91	2.4
Copper		30.8		0.80	2.4
Iron		16300		30.6	70.9
Potassium		2160		40.2	118
Magnesium		7510		42.4	118
Manganese		292		1.9	4.7
Sodium		766		45.4	118
Nickel		14.7		0.92	2.4
Lead		32.7		0.26	0.71
Antimony		1.0	J	0.49	1.2
Selenium		0.45	U	0.45	5.9
Thallium		0.18	U	0.18	0.47
Vanadium		34.2		0.91	2.4
Zinc		146		2.9	9.5

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-319713

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-319643

Lab File ID: 319643hg1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.62 g

Analysis Date: 08/29/2015 1308

Final Weight/Volume: 50 mL

Prep Date: 08/29/2015 0925

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.26		0.014	0.020

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-5

Lab Sample ID: 460-99997-5

Date Sampled: 08/20/2015 0957

Client Matrix: Solid

% Moisture: 21.0

Date Received: 08/21/2015 1230

6020A Metals (ICP/MS)

Analysis Method: 6020A

Analysis Batch: 460-319928

Instrument ID: ICPMS1

Prep Method: 3050B

Prep Batch: 460-319427

Lab File ID: 032SMPL.D

Dilution: 20

Initial Weight/Volume: 1.01 g

Analysis Date: 08/30/2015 2039

Final Weight/Volume: 50 mL

Prep Date: 08/28/2015 0729

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		11600		9.2	25.1
Silver		0.94	U	0.94	1.3
Arsenic		10.4		0.56	1.3
Barium		101		0.83	2.5
Beryllium		0.65		0.16	0.50
Calcium		92400		44.9	125
Cadmium		0.39	U	0.39	1.3
Chromium		30.5		0.97	2.5
Cobalt		5.5		0.96	2.5
Copper		26.8		0.84	2.5
Iron		13100		32.5	75.2
Potassium		2100		42.6	125
Magnesium		9640		45.0	125
Manganese		406		2.0	5.0
Sodium		1030		48.1	125
Nickel		17.6		0.98	2.5
Lead		39.0		0.28	0.75
Antimony		1.7		0.52	1.3
Selenium		0.48	U	0.48	6.3
Thallium		0.19	U	0.19	0.50
Vanadium		26.0		0.97	2.5
Zinc		208		3.1	10.0

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-319713

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-319643

Lab File ID: 319643hg1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.63 g

Analysis Date: 08/29/2015 1310

Final Weight/Volume: 50 mL

Prep Date: 08/29/2015 0925

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.22		0.014	0.020

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-6

Lab Sample ID: 460-99997-6

Date Sampled: 08/20/2015 1010

Client Matrix: Solid

% Moisture: 15.6

Date Received: 08/21/2015 1230

6020A Metals (ICP/MS)

Analysis Method: 6020A

Analysis Batch: 460-319928

Instrument ID: ICPMS1

Prep Method: 3050B

Prep Batch: 460-319427

Lab File ID: 033SMPL.D

Dilution: 20

Initial Weight/Volume: 1.11 g

Analysis Date: 08/30/2015 2045

Final Weight/Volume: 50 mL

Prep Date: 08/28/2015 0729

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		18700		7.9	21.4
Silver		0.80	U	0.80	1.1
Arsenic		12.7		0.48	1.1
Barium		131		0.70	2.1
Beryllium		1.2		0.13	0.43
Calcium		35600		38.2	107
Cadmium		0.33	U	0.33	1.1
Chromium		45.2		0.83	2.1
Cobalt		11.9		0.82	2.1
Copper		39.4		0.72	2.1
Iron		27900		27.7	64.1
Potassium		3810		36.3	107
Magnesium		8840		38.3	107
Manganese		512		1.7	4.3
Sodium		738		41.0	107
Nickel		23.7		0.84	2.1
Lead		38.6		0.24	0.64
Antimony		0.69	J	0.44	1.1
Selenium		0.43	J	0.41	5.3
Thallium		0.30	J	0.17	0.43
Vanadium		58.8		0.83	2.1
Zinc		155		2.6	8.5

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-319713

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-319643

Lab File ID: 319643hg1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.62 g

Analysis Date: 08/29/2015 1311

Final Weight/Volume: 50 mL

Prep Date: 08/29/2015 0925

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.22		0.014	0.020

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-7

Lab Sample ID: 460-99997-7

Date Sampled: 08/20/2015 1035

Client Matrix: Solid

% Moisture: 14.9

Date Received: 08/21/2015 1230

6020A Metals (ICP/MS)

Analysis Method: 6020A

Analysis Batch: 460-319928

Instrument ID: ICPMS1

Prep Method: 3050B

Prep Batch: 460-319427

Lab File ID: 034SMPL.D

Dilution: 20

Initial Weight/Volume: 1.12 g

Analysis Date: 08/30/2015 2050

Final Weight/Volume: 50 mL

Prep Date: 08/28/2015 0729

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		20800		7.7	21.0
Silver		0.79	U	0.79	1.0
Arsenic		17.2		0.47	1.0
Barium		120		0.69	2.1
Beryllium		1.4		0.13	0.42
Calcium		21000		37.6	105
Cadmium		0.33	U	0.33	1.0
Chromium		50.3		0.81	2.1
Cobalt		13.3		0.81	2.1
Copper		39.8		0.71	2.1
Iron		36500		27.2	63.0
Potassium		4670		35.7	105
Magnesium		9930		37.7	105
Manganese		495		1.7	4.2
Sodium		698		40.3	105
Nickel		29.7		0.82	2.1
Lead		41.6		0.23	0.63
Antimony		1.0		0.43	1.0
Selenium		0.49	J	0.40	5.2
Thallium		0.43		0.16	0.42
Vanadium		65.9		0.81	2.1
Zinc		110		2.6	8.4

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-319713

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-319643

Lab File ID: 319643hg1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.62 g

Analysis Date: 08/29/2015 1314

Final Weight/Volume: 50 mL

Prep Date: 08/29/2015 0925

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.10		0.014	0.019

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-8

Lab Sample ID: 460-99997-8

Date Sampled: 08/20/2015 1058

Client Matrix: Solid

% Moisture: 18.9

Date Received: 08/21/2015 1230

6020A Metals (ICP/MS)

Analysis Method: 6020A

Analysis Batch: 460-319928

Instrument ID: ICPMS1

Prep Method: 3050B

Prep Batch: 460-319427

Lab File ID: 035SMPL.D

Dilution: 20

Initial Weight/Volume: 1.04 g

Analysis Date: 08/30/2015 2056

Final Weight/Volume: 50 mL

Prep Date: 08/28/2015 0729

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		26800		8.7	23.7
Silver		0.89	U	0.89	1.2
Arsenic		37.6		0.53	1.2
Barium		127		0.78	2.4
Beryllium		2.0		0.15	0.47
Calcium		4860		42.4	119
Cadmium		0.37	U	0.37	1.2
Chromium		54.6		0.92	2.4
Cobalt		17.3		0.91	2.4
Copper		47.3		0.80	2.4
Iron		45300		30.7	71.1
Potassium		6820		40.3	119
Magnesium		13400		42.6	119
Manganese		394		1.9	4.7
Sodium		432		45.5	119
Nickel		40.6		0.93	2.4
Lead		24.7		0.26	0.71
Antimony		0.49	U	0.49	1.2
Selenium		0.46	U	0.46	5.9
Thallium		0.74		0.18	0.47
Vanadium		110		0.92	2.4
Zinc		98.3		2.9	9.5

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-319713

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-319643

Lab File ID: 319643hg1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.65 g

Analysis Date: 08/29/2015 1316

Final Weight/Volume: 50 mL

Prep Date: 08/29/2015 0925

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.038		0.014	0.019

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-9

Lab Sample ID: 460-99997-9

Date Sampled: 08/20/2015 1120

Client Matrix: Solid

% Moisture: 17.7

Date Received: 08/21/2015 1230

6020A Metals (ICP/MS)

Analysis Method: 6020A

Analysis Batch: 460-319928

Instrument ID: ICPMS1

Prep Method: 3050B

Prep Batch: 460-319427

Lab File ID: 036SMPL.D

Dilution: 20

Initial Weight/Volume: 1.06 g

Analysis Date: 08/30/2015 2101

Final Weight/Volume: 50 mL

Prep Date: 08/28/2015 0729

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		10500		8.4	22.9
Silver		0.86	U	0.86	1.1
Arsenic		20.5		0.51	1.1
Barium		69.8		0.76	2.3
Beryllium		0.58		0.14	0.46
Calcium		73200		41.0	115
Cadmium		0.36	U	0.36	1.1
Chromium		40.5		0.89	2.3
Cobalt		5.4		0.88	2.3
Copper		29.7		0.77	2.3
Iron		13900		29.7	68.8
Potassium		1660		39.0	115
Magnesium		6670		41.2	115
Manganese		259		1.8	4.6
Sodium		615		44.0	115
Nickel		18.2		0.90	2.3
Lead		45.8		0.25	0.69
Antimony		0.77	J	0.47	1.1
Selenium		0.44	U	0.44	5.7
Thallium		0.18	U	0.18	0.46
Vanadium		32.3		0.89	2.3
Zinc		152		2.8	9.2

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-319713

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-319643

Lab File ID: 319643hg1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.66 g

Analysis Date: 08/29/2015 1323

Final Weight/Volume: 50 mL

Prep Date: 08/29/2015 0925

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.20		0.013	0.019

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-10

Lab Sample ID: 460-99997-10

Date Sampled: 08/20/2015 1135

Client Matrix: Solid

% Moisture: 20.6

Date Received: 08/21/2015 1230

6020A Metals (ICP/MS)

Analysis Method: 6020A

Analysis Batch: 460-319928

Instrument ID: ICPMS1

Prep Method: 3050B

Prep Batch: 460-319427

Lab File ID: 037SMPL.D

Dilution: 20

Initial Weight/Volume: 1.02 g

Analysis Date: 08/30/2015 2106

Final Weight/Volume: 50 mL

Prep Date: 08/28/2015 0729

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		26700		9.1	24.7
Silver		0.93	U	0.93	1.2
Arsenic		20.4		0.55	1.2
Barium		111		0.82	2.5
Beryllium		2.1		0.16	0.49
Calcium		4700		44.2	124
Cadmium		0.39	U	0.39	1.2
Chromium		61.5		0.96	2.5
Cobalt		12.9		0.95	2.5
Copper		44.6		0.83	2.5
Iron		42600		32.0	74.1
Potassium		3500		42.0	124
Magnesium		12400		44.3	124
Manganese		325		2.0	4.9
Sodium		238		47.4	124
Nickel		28.9		0.97	2.5
Lead		15.6		0.27	0.74
Antimony		0.51	U	0.51	1.2
Selenium		0.50	J	0.48	6.2
Thallium		0.38	J	0.19	0.49
Vanadium		67.7		0.96	2.5
Zinc		71.9		3.0	9.9

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-319713

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-319643

Lab File ID: 319643hg1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.68 g

Analysis Date: 08/29/2015 1325

Final Weight/Volume: 50 mL

Prep Date: 08/29/2015 0925

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.043		0.013	0.019

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-11

Lab Sample ID: 460-99997-11

Date Sampled: 08/20/2015 1158

Client Matrix: Solid

% Moisture: 17.5

Date Received: 08/21/2015 1230

6020A Metals (ICP/MS)

Analysis Method: 6020A

Analysis Batch: 460-319928

Instrument ID: ICPMS1

Prep Method: 3050B

Prep Batch: 460-319427

Lab File ID: 038SMPL.D

Dilution: 20

Initial Weight/Volume: 1.03 g

Analysis Date: 08/30/2015 2112

Final Weight/Volume: 50 mL

Prep Date: 08/28/2015 0729

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		13300		8.7	23.5
Silver		0.88	U	0.88	1.2
Arsenic		8.8		0.52	1.2
Barium		98.8		0.78	2.4
Beryllium		0.92		0.15	0.47
Calcium		66900		42.1	118
Cadmium		0.37	U	0.37	1.2
Chromium		35.4		0.91	2.4
Cobalt		8.7		0.90	2.4
Copper		31.1		0.79	2.4
Iron		20800		30.5	70.6
Potassium		2790		40.0	118
Magnesium		8010		42.2	118
Manganese		429		1.9	4.7
Sodium		668		45.2	118
Nickel		21.3		0.92	2.4
Lead		40.9		0.26	0.71
Antimony		1.1	J	0.48	1.2
Selenium		0.45	U	0.45	5.9
Thallium		0.18	U	0.18	0.47
Vanadium		40.4		0.91	2.4
Zinc		296		2.9	9.4

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-319713

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-319643

Lab File ID: 319643hg1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.63 g

Analysis Date: 08/29/2015 1328

Final Weight/Volume: 50 mL

Prep Date: 08/29/2015 0925

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.20		0.014	0.020

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-12

Lab Sample ID: 460-99997-12

Date Sampled: 08/20/2015 1230

Client Matrix: Solid

% Moisture: 16.2

Date Received: 08/21/2015 1230

6020A Metals (ICP/MS)

Analysis Method: 6020A

Analysis Batch: 460-319928

Instrument ID: ICPMS1

Prep Method: 3050B

Prep Batch: 460-319427

Lab File ID: 023SMPL.D

Dilution: 20

Initial Weight/Volume: 1.03 g

Analysis Date: 08/30/2015 1951

Final Weight/Volume: 50 mL

Prep Date: 08/28/2015 0729

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		13800		8.5	23.2
Silver		0.87	U	0.87	1.2
Arsenic		5.6		0.52	1.2
Barium		117		0.76	2.3
Beryllium		0.89		0.15	0.46
Calcium		88900		41.5	116
Cadmium		0.36	U	0.36	1.2
Chromium		28.7		0.90	2.3
Cobalt		6.0		0.89	2.3
Copper		30.0	F1	0.78	2.3
Iron		14700		30.0	69.5
Potassium		2300		39.4	116
Magnesium		10700		41.6	116
Manganese		483		1.8	4.6
Sodium		807		44.5	116
Nickel		17.5		0.91	2.3
Lead		35.2		0.26	0.69
Antimony		1.1	J F1	0.48	1.2
Selenium		0.45	U	0.45	5.8
Thallium		0.18	U	0.18	0.46
Vanadium		27.9		0.90	2.3
Zinc		169	F1	2.8	9.3

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-319713

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-319643

Lab File ID: 319643hg1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.60 g

Analysis Date: 08/29/2015 1239

Final Weight/Volume: 50 mL

Prep Date: 08/29/2015 0925

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.14		0.014	0.020

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-13

Lab Sample ID: 460-99997-13

Date Sampled: 08/20/2015 1239

Client Matrix: Solid

% Moisture: 16.6

Date Received: 08/21/2015 1230

6020A Metals (ICP/MS)

Analysis Method: 6020A

Analysis Batch: 460-319928

Instrument ID: ICPMS1

Prep Method: 3050B

Prep Batch: 460-319427

Lab File ID: 043SMPL.D

Dilution: 20

Initial Weight/Volume: 1.19 g

Analysis Date: 08/30/2015 2138

Final Weight/Volume: 50 mL

Prep Date: 08/28/2015 0729

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		16600		7.4	20.1
Silver		0.76	U	0.76	1.0
Arsenic		7.0		0.45	1.0
Barium		97.7		0.66	2.0
Beryllium		0.76		0.13	0.40
Calcium		12000		36.1	101
Cadmium		0.31	U	0.31	1.0
Chromium		30.3		0.78	2.0
Cobalt		7.6		0.77	2.0
Copper		28.9		0.68	2.0
Iron		25500		26.1	60.4
Potassium		2040		34.2	101
Magnesium		5150		36.2	101
Manganese		316		1.6	4.0
Sodium		195		38.7	101
Nickel		18.8		0.79	2.0
Lead		37.9		0.22	0.60
Antimony		0.41	J	0.41	1.0
Selenium		0.43	J	0.39	5.0
Thallium		0.17	J	0.16	0.40
Vanadium		43.0		0.78	2.0
Zinc		110		2.5	8.1

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-319713

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-319643

Lab File ID: 319643hg1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.65 g

Analysis Date: 08/29/2015 1330

Final Weight/Volume: 50 mL

Prep Date: 08/29/2015 0925

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.063		0.013	0.019

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-14

Lab Sample ID: 460-99997-14

Date Sampled: 08/20/2015 1251

Client Matrix: Solid

% Moisture: 13.9

Date Received: 08/21/2015 1230

6020A Metals (ICP/MS)

Analysis Method: 6020A

Analysis Batch: 460-319928

Instrument ID: ICPMS1

Prep Method: 3050B

Prep Batch: 460-319427

Lab File ID: 044SMPL.D

Dilution: 20

Initial Weight/Volume: 1.18 g

Analysis Date: 08/30/2015 2144

Final Weight/Volume: 50 mL

Prep Date: 08/28/2015 0729

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		19700		7.2	19.7
Silver		0.74	U	0.74	0.98
Arsenic		9.4		0.44	0.98
Barium		123		0.65	2.0
Beryllium		1.3		0.12	0.39
Calcium		8720		35.3	98.5
Cadmium		0.31	U	0.31	0.98
Chromium		34.5		0.76	2.0
Cobalt		16.3		0.76	2.0
Copper		45.9		0.66	2.0
Iron		31600		25.5	59.1
Potassium		3470		33.5	98.5
Magnesium		6810		35.4	98.5
Manganese		691		1.6	3.9
Sodium		459		37.8	98.5
Nickel		23.5		0.77	2.0
Lead		44.5		0.22	0.59
Antimony		0.40	U	0.40	0.98
Selenium		0.51	J	0.38	4.9
Thallium		0.31	J	0.15	0.39
Vanadium		59.7		0.76	2.0
Zinc		119		2.4	7.9

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-319713

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-319643

Lab File ID: 319643hg1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.60 g

Analysis Date: 08/29/2015 1334

Final Weight/Volume: 50 mL

Prep Date: 08/29/2015 0925

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.13		0.014	0.020

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-15

Lab Sample ID: 460-99997-15

Date Sampled: 08/20/2015 1320

Client Matrix: Solid

% Moisture: 19.1

Date Received: 08/21/2015 1230

6020A Metals (ICP/MS)

Analysis Method: 6020A

Analysis Batch: 460-319928

Instrument ID: ICPMS1

Prep Method: 3050B

Prep Batch: 460-319427

Lab File ID: 045SMPL.D

Dilution: 20

Initial Weight/Volume: 1.05 g

Analysis Date: 08/30/2015 2149

Final Weight/Volume: 50 mL

Prep Date: 08/28/2015 0729

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		34200		8.7	23.5
Silver		0.89	U	0.89	1.2
Arsenic		29.3		0.53	1.2
Barium		267		0.78	2.4
Beryllium		2.4		0.15	0.47
Calcium		2830		42.1	118
Cadmium		0.37	U	0.37	1.2
Chromium		55.0		0.91	2.4
Cobalt		11.3		0.90	2.4
Copper		33.2		0.79	2.4
Iron		42800		30.5	70.6
Potassium		6190		40.0	118
Magnesium		10200		42.3	118
Manganese		204		1.9	4.7
Sodium		1050		45.2	118
Nickel		35.9		0.92	2.4
Lead		20.9		0.26	0.71
Antimony		0.48	U	0.48	1.2
Selenium		0.49	J	0.45	5.9
Thallium		0.60		0.18	0.47
Vanadium		86.4		0.91	2.4
Zinc		70.7		2.9	9.4

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-319713

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-319643

Lab File ID: 319643hg1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.64 g

Analysis Date: 08/29/2015 1336

Final Weight/Volume: 50 mL

Prep Date: 08/29/2015 0925

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.023		0.014	0.020

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-16

Lab Sample ID: 460-99997-16

Date Sampled: 08/20/2015 1337

Client Matrix: Solid

% Moisture: 11.7

Date Received: 08/21/2015 1230

6020A Metals (ICP/MS)

Analysis Method: 6020A

Analysis Batch: 460-319928

Instrument ID: ICPMS1

Prep Method: 3050B

Prep Batch: 460-319427

Lab File ID: 046SMPL.D

Dilution: 20

Initial Weight/Volume: 1.12 g

Analysis Date: 08/30/2015 2155

Final Weight/Volume: 50 mL

Prep Date: 08/28/2015 0729

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		13300		7.4	20.2
Silver		0.76	U	0.76	1.0
Arsenic		7.3		0.45	1.0
Barium		62.6		0.67	2.0
Beryllium		0.82		0.13	0.40
Calcium		28600		36.2	101
Cadmium		0.32	U	0.32	1.0
Chromium		29.2		0.78	2.0
Cobalt		8.8		0.78	2.0
Copper		73.7		0.68	2.0
Iron		23900		26.2	60.6
Potassium		3010		34.4	101
Magnesium		6990		36.3	101
Manganese		293		1.6	4.0
Sodium		712		38.8	101
Nickel		19.7		0.79	2.0
Lead		20.5		0.22	0.61
Antimony		0.42	U	0.42	1.0
Selenium		0.40	J	0.39	5.1
Thallium		0.17	J	0.16	0.40
Vanadium		52.6		0.78	2.0
Zinc		193		2.5	8.1

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-319713

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-319643

Lab File ID: 319643hg1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.65 g

Analysis Date: 08/29/2015 1339

Final Weight/Volume: 50 mL

Prep Date: 08/29/2015 0925

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.16		0.013	0.018

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-17

Lab Sample ID: 460-99997-17

Date Sampled: 08/20/2015 1353

Client Matrix: Solid

% Moisture: 17.7

Date Received: 08/21/2015 1230

6020A Metals (ICP/MS)

Analysis Method: 6020A

Analysis Batch: 460-319928

Instrument ID: ICPMS1

Prep Method: 3050B

Prep Batch: 460-319427

Lab File ID: 047SMPL.D

Dilution: 20

Initial Weight/Volume: 1.08 g

Analysis Date: 08/30/2015 2200

Final Weight/Volume: 50 mL

Prep Date: 08/28/2015 0729

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		10200		8.3	22.5
Silver		0.85	U	0.85	1.1
Arsenic		10.3		0.50	1.1
Barium		77.4		0.74	2.3
Beryllium		0.65		0.14	0.45
Calcium		51900		40.3	113
Cadmium		0.35	U	0.35	1.1
Chromium		31.2		0.87	2.3
Cobalt		7.1		0.86	2.3
Copper		31.2		0.76	2.3
Iron		14000		29.2	67.5
Potassium		2310		38.3	113
Magnesium		5820		40.4	113
Manganese		306		1.8	4.5
Sodium		715		43.2	113
Nickel		18.9		0.88	2.3
Lead		40.9		0.25	0.68
Antimony		1.1		0.46	1.1
Selenium		0.43	U	0.43	5.6
Thallium		0.17	U	0.17	0.45
Vanadium		31.5		0.87	2.3
Zinc		171		2.7	9.0

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-319713

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-319651

Lab File ID: 319643hg1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.67 g

Analysis Date: 08/29/2015 1357

Final Weight/Volume: 50 mL

Prep Date: 08/29/2015 1008

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.44		0.013	0.019

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-18

Lab Sample ID: 460-99997-18

Date Sampled: 08/20/2015 1420

Client Matrix: Solid

% Moisture: 18.7

Date Received: 08/21/2015 1230

6020A Metals (ICP/MS)

Analysis Method: 6020A

Analysis Batch: 460-319928

Instrument ID: ICPMS1

Prep Method: 3050B

Prep Batch: 460-319427

Lab File ID: 048SMPL.D

Dilution: 20

Initial Weight/Volume: 1.06 g

Analysis Date: 08/30/2015 2205

Final Weight/Volume: 50 mL

Prep Date: 08/28/2015 0729

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		9440		8.5	23.2
Silver		0.87	U	0.87	1.2
Arsenic		7.2		0.52	1.2
Barium		87.2		0.77	2.3
Beryllium		0.65		0.15	0.46
Calcium		97000		41.5	116
Cadmium		0.36	U	0.36	1.2
Chromium		29.6		0.90	2.3
Cobalt		4.7		0.89	2.3
Copper		33.5		0.78	2.3
Iron		11800		30.1	69.6
Potassium		1700		39.5	116
Magnesium		9170		41.7	116
Manganese		305		1.8	4.6
Sodium		843		44.6	116
Nickel		15.8		0.91	2.3
Lead		41.3		0.26	0.70
Antimony		1.7		0.48	1.2
Selenium		0.45	U	0.45	5.8
Thallium		0.18	U	0.18	0.46
Vanadium		26.3		0.90	2.3
Zinc		224		2.8	9.3

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-319713

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-319651

Lab File ID: 319643hg1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.63 g

Analysis Date: 08/29/2015 1400

Final Weight/Volume: 50 mL

Prep Date: 08/29/2015 1008

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.17		0.014	0.020

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-19

Lab Sample ID: 460-99997-19

Date Sampled: 08/20/2015 1437

Client Matrix: Solid

% Moisture: 17.5

Date Received: 08/21/2015 1230

6020A Metals (ICP/MS)

Analysis Method: 6020A

Analysis Batch: 460-319928

Instrument ID: ICPMS1

Prep Method: 3050B

Prep Batch: 460-319427

Lab File ID: 049SMPL.D

Dilution: 20

Initial Weight/Volume: 1.02 g

Analysis Date: 08/30/2015 2211

Final Weight/Volume: 50 mL

Prep Date: 08/28/2015 0729

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		10900		8.7	23.8
Silver		0.89	U	0.89	1.2
Arsenic		5.8		0.53	1.2
Barium		80.3		0.78	2.4
Beryllium		0.70		0.15	0.48
Calcium		92000		42.5	119
Cadmium		0.37	U	0.37	1.2
Chromium		30.2		0.92	2.4
Cobalt		5.8		0.91	2.4
Copper		34.2		0.80	2.4
Iron		14100		30.8	71.3
Potassium		1900		40.4	119
Magnesium		8380		42.7	119
Manganese		368		1.9	4.8
Sodium		745		45.6	119
Nickel		18.5		0.93	2.4
Lead		38.4		0.26	0.71
Antimony		1.3		0.49	1.2
Selenium		0.46	U	0.46	5.9
Thallium		0.18	U	0.18	0.48
Vanadium		30.1		0.92	2.4
Zinc		213		2.9	9.5

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-319713

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-319651

Lab File ID: 319643hg1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.62 g

Analysis Date: 08/29/2015 1405

Final Weight/Volume: 50 mL

Prep Date: 08/29/2015 1008

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.21		0.014	0.020

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-20

Lab Sample ID: 460-99997-20

Date Sampled: 08/20/2015 1450

Client Matrix: Solid

% Moisture: 14.9

Date Received: 08/21/2015 1230

6020A Metals (ICP/MS)

Analysis Method: 6020A

Analysis Batch: 460-319928

Instrument ID: ICPMS1

Prep Method: 3050B

Prep Batch: 460-319427

Lab File ID: 050SMPL.D

Dilution: 20

Initial Weight/Volume: 1.19 g

Analysis Date: 08/30/2015 2216

Final Weight/Volume: 50 mL

Prep Date: 08/28/2015 0729

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		18600		7.3	19.7
Silver		0.74	U	0.74	0.99
Arsenic		6.2		0.44	0.99
Barium		147		0.65	2.0
Beryllium		1.5		0.12	0.39
Calcium		27000		35.3	98.7
Cadmium		0.31	U	0.31	0.99
Chromium		55.1		0.77	2.0
Cobalt		15.1		0.76	2.0
Copper		39.9		0.67	2.0
Iron		34700		25.6	59.2
Potassium		5690		33.6	98.7
Magnesium		12900		35.4	98.7
Manganese		569		1.6	3.9
Sodium		748		37.9	98.7
Nickel		36.3		0.77	2.0
Lead		27.6		0.22	0.59
Antimony		0.41	J	0.41	0.99
Selenium		0.38	U	0.38	4.9
Thallium		0.29	J	0.15	0.39
Vanadium		47.6		0.76	2.0
Zinc		103		2.4	7.9

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-319713

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-319651

Lab File ID: 319643hg1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.68 g

Analysis Date: 08/29/2015 1407

Final Weight/Volume: 50 mL

Prep Date: 08/29/2015 1008

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.85		0.012	0.018

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-21

Lab Sample ID: 460-99997-21

Date Sampled: 08/20/2015 1537

Client Matrix: Solid

% Moisture: 13.6

Date Received: 08/21/2015 1230

6020A Metals (ICP/MS)

Analysis Method: 6020A

Analysis Batch: 460-319928

Instrument ID: ICPMS1

Prep Method: 3050B

Prep Batch: 460-319429

Lab File ID: 059SMPL.D

Dilution: 20

Initial Weight/Volume: 1.09 g

Analysis Date: 08/30/2015 2304

Final Weight/Volume: 50 mL

Prep Date: 08/28/2015 0741

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		25100		7.8	21.2
Silver		0.80	U	0.80	1.1
Arsenic		2.8		0.47	1.1
Barium		75.1		0.70	2.1
Beryllium		0.47		0.13	0.42
Calcium		7240		38.0	106
Cadmium		0.33	U	0.33	1.1
Chromium		155		0.82	2.1
Cobalt		36.3		0.82	2.1
Copper		95.4		0.72	2.1
Iron		41600		27.5	63.7
Potassium		854		36.1	106
Magnesium		12700		38.1	106
Manganese		929		1.7	4.2
Sodium		602		40.8	106
Nickel		101		0.83	2.1
Lead		10.3		0.23	0.64
Antimony		0.44	U F1	0.44	1.1
Selenium		0.41	U	0.41	5.3
Thallium		0.16	U	0.16	0.42
Vanadium		104		0.82	2.1
Zinc		56.4		2.6	8.5

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-319713

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-319651

Lab File ID: 319643hg1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.68 g

Analysis Date: 08/29/2015 1410

Final Weight/Volume: 50 mL

Prep Date: 08/29/2015 1008

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.015	J	0.012	0.017

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Client Sample ID: ES-22

Lab Sample ID: 460-99997-22

Date Sampled: 08/20/2015 1601

Client Matrix: Solid

% Moisture: 15.9

Date Received: 08/21/2015 1230

6020A Metals (ICP/MS)

Analysis Method: 6020A

Analysis Batch: 460-319928

Instrument ID: ICPMS1

Prep Method: 3050B

Prep Batch: 460-319429

Lab File ID: 061SMPL.D

Dilution: 20

Initial Weight/Volume: 1.07 g

Analysis Date: 08/30/2015 2315

Final Weight/Volume: 50 mL

Prep Date: 08/28/2015 0741

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		28900		8.2	22.2
Silver		0.84	U	0.84	1.1
Arsenic		9.3		0.50	1.1
Barium		240		0.73	2.2
Beryllium		1.7		0.14	0.44
Calcium		2160		39.8	111
Cadmium		0.35	U	0.35	1.1
Chromium		37.6		0.86	2.2
Cobalt		13.2		0.85	2.2
Copper		31.3		0.75	2.2
Iron		31800		28.8	66.7
Potassium		3660		37.8	111
Magnesium		6190		39.9	111
Manganese		942		1.8	4.4
Sodium		156		42.7	111
Nickel		26.5		0.87	2.2
Lead		86.4		0.25	0.67
Antimony		0.46	U	0.46	1.1
Selenium		0.81	J	0.43	5.6
Thallium		0.29	J	0.17	0.44
Vanadium		45.4		0.86	2.2
Zinc		113		2.7	8.9

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-319713

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-319651

Lab File ID: 319643hg1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.60 g

Analysis Date: 08/29/2015 1412

Final Weight/Volume: 50 mL

Prep Date: 08/29/2015 1008

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.23		0.014	0.020

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

General Chemistry

Client Sample ID: ES-1

Lab Sample ID: 460-99997-1

Date Sampled: 08/20/2015 0845

Client Matrix: Solid

Date Received: 08/21/2015 1230

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	19.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318210	Analysis Date: 08/22/2015	1103				DryWt Corrected: N
Percent Solids	80.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318210	Analysis Date: 08/22/2015	1103				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

General Chemistry

Client Sample ID: ES-2

Lab Sample ID: 460-99997-2

Date Sampled: 08/20/2015 0901

Client Matrix: Solid

Date Received: 08/21/2015 1230

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	9.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318210	Analysis Date: 08/22/2015	1103				DryWt Corrected: N
Percent Solids	90.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318210	Analysis Date: 08/22/2015	1103				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

General Chemistry

Client Sample ID: ES-3

Lab Sample ID: 460-99997-3

Date Sampled: 08/20/2015 0925

Client Matrix: Solid

Date Received: 08/21/2015 1230

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	11.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318210	Analysis Date: 08/22/2015	1103				DryWt Corrected: N
Percent Solids	88.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318210	Analysis Date: 08/22/2015	1103				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

General Chemistry

Client Sample ID: ES-4

Lab Sample ID: 460-99997-4

Client Matrix: Solid

Date Sampled: 08/20/2015 0937

Date Received: 08/21/2015 1230

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	17.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318210	Analysis Date: 08/22/2015	1103				DryWt Corrected: N
Percent Solids	82.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318210	Analysis Date: 08/22/2015	1103				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

General Chemistry

Client Sample ID: ES-5

Lab Sample ID: 460-99997-5

Client Matrix: Solid

Date Sampled: 08/20/2015 0957

Date Received: 08/21/2015 1230

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	21.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318210	Analysis Date: 08/22/2015	1103				DryWt Corrected: N
Percent Solids	79.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318210	Analysis Date: 08/22/2015	1103				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

General Chemistry

Client Sample ID: ES-6

Lab Sample ID: 460-99997-6

Date Sampled: 08/20/2015 1010

Client Matrix: Solid

Date Received: 08/21/2015 1230

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	15.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318210	Analysis Date: 08/22/2015	1103				DryWt Corrected: N
Percent Solids	84.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318210	Analysis Date: 08/22/2015	1103				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

General Chemistry

Client Sample ID: ES-7

Lab Sample ID: 460-99997-7

Date Sampled: 08/20/2015 1035

Client Matrix: Solid

Date Received: 08/21/2015 1230

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	14.9		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318213	Analysis Date: 08/22/2015	1122				DryWt Corrected: N
Percent Solids	85.1		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318213	Analysis Date: 08/22/2015	1122				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

General Chemistry

Client Sample ID: ES-8

Lab Sample ID: 460-99997-8

Date Sampled: 08/20/2015 1058

Client Matrix: Solid

Date Received: 08/21/2015 1230

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	18.9		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318213	Analysis Date: 08/22/2015	1122				DryWt Corrected: N
Percent Solids	81.1		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318213	Analysis Date: 08/22/2015	1122				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

General Chemistry

Client Sample ID: ES-9

Lab Sample ID: 460-99997-9

Date Sampled: 08/20/2015 1120

Client Matrix: Solid

Date Received: 08/21/2015 1230

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	17.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318213	Analysis Date: 08/22/2015	1122				DryWt Corrected: N
Percent Solids	82.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318213	Analysis Date: 08/22/2015	1122				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

General Chemistry

Client Sample ID: ES-10

Lab Sample ID: 460-99997-10

Client Matrix: Solid

Date Sampled: 08/20/2015 1135

Date Received: 08/21/2015 1230

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	20.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318213	Analysis Date: 08/22/2015	1122				DryWt Corrected: N
Percent Solids	79.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318213	Analysis Date: 08/22/2015	1122				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

General Chemistry

Client Sample ID: ES-11

Lab Sample ID: 460-99997-11

Date Sampled: 08/20/2015 1158

Client Matrix: Solid

Date Received: 08/21/2015 1230

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	17.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318213	Analysis Date: 08/22/2015	1122				DryWt Corrected: N
Percent Solids	82.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318213	Analysis Date: 08/22/2015	1122				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

General Chemistry

Client Sample ID: ES-12

Lab Sample ID: 460-99997-12

Date Sampled: 08/20/2015 1230

Client Matrix: Solid

Date Received: 08/21/2015 1230

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	16.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318213	Analysis Date: 08/22/2015	1122				DryWt Corrected: N
Percent Solids	83.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318213	Analysis Date: 08/22/2015	1122				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

General Chemistry

Client Sample ID: ES-13

Lab Sample ID: 460-99997-13

Date Sampled: 08/20/2015 1239

Client Matrix: Solid

Date Received: 08/21/2015 1230

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	16.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318213	Analysis Date: 08/22/2015	1122				DryWt Corrected: N
Percent Solids	83.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318213	Analysis Date: 08/22/2015	1122				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

General Chemistry

Client Sample ID: ES-14

Lab Sample ID: 460-99997-14

Date Sampled: 08/20/2015 1251

Client Matrix: Solid

Date Received: 08/21/2015 1230

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	13.9		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318213	Analysis Date: 08/22/2015	1122				DryWt Corrected: N
Percent Solids	86.1		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318213	Analysis Date: 08/22/2015	1122				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

General Chemistry

Client Sample ID: ES-15

Lab Sample ID: 460-99997-15

Date Sampled: 08/20/2015 1320

Client Matrix: Solid

Date Received: 08/21/2015 1230

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	19.1		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318213	Analysis Date: 08/22/2015	1122				DryWt Corrected: N
Percent Solids	80.9		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318213	Analysis Date: 08/22/2015	1122				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

General Chemistry

Client Sample ID: ES-16

Lab Sample ID: 460-99997-16

Date Sampled: 08/20/2015 1337

Client Matrix: Solid

Date Received: 08/21/2015 1230

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	11.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318213	Analysis Date: 08/22/2015	1122				DryWt Corrected: N
Percent Solids	88.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318213	Analysis Date: 08/22/2015	1122				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

General Chemistry

Client Sample ID: ES-17

Lab Sample ID: 460-99997-17

Date Sampled: 08/20/2015 1353

Client Matrix: Solid

Date Received: 08/21/2015 1230

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	17.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318213	Analysis Date: 08/22/2015	1122				DryWt Corrected: N
Percent Solids	82.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318213	Analysis Date: 08/22/2015	1122				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

General Chemistry

Client Sample ID: ES-18

Lab Sample ID: 460-99997-18

Date Sampled: 08/20/2015 1420

Client Matrix: Solid

Date Received: 08/21/2015 1230

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	18.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318213	Analysis Date: 08/22/2015	1122				DryWt Corrected: N
Percent Solids	81.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318213	Analysis Date: 08/22/2015	1122				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

General Chemistry

Client Sample ID: ES-19

Lab Sample ID: 460-99997-19

Date Sampled: 08/20/2015 1437

Client Matrix: Solid

Date Received: 08/21/2015 1230

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	17.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318213	Analysis Date: 08/22/2015	1122				DryWt Corrected: N
Percent Solids	82.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318213	Analysis Date: 08/22/2015	1122				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

General Chemistry

Client Sample ID: ES-20

Lab Sample ID: 460-99997-20

Date Sampled: 08/20/2015 1450

Client Matrix: Solid

Date Received: 08/21/2015 1230

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	14.9		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318213	Analysis Date: 08/22/2015	1122				DryWt Corrected: N
Percent Solids	85.1		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318213	Analysis Date: 08/22/2015	1122				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

General Chemistry

Client Sample ID: ES-21

Lab Sample ID: 460-99997-21

Date Sampled: 08/20/2015 1537

Client Matrix: Solid

Date Received: 08/21/2015 1230

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	13.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318213	Analysis Date: 08/22/2015	1122				DryWt Corrected: N
Percent Solids	86.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318213	Analysis Date: 08/22/2015	1122				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-99997-1

General Chemistry

Client Sample ID: ES-22

Lab Sample ID: 460-99997-22

Client Matrix: Solid

Date Sampled: 08/20/2015 1601

Date Received: 08/21/2015 1230

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	15.9		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318213	Analysis Date: 08/22/2015	1122				DryWt Corrected: N
Percent Solids	84.1		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-318213	Analysis Date: 08/22/2015	1122				DryWt Corrected: N

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Surrogate Recovery Report

8270D Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	NBZ %Rec	FBP %Rec	TPH %Rec
460-99997-1	ES-1	82	86	104
460-99997-2	ES-2	82	92	79
460-99997-3	ES-3	80	87	81
460-99997-4	ES-4	83	86	113
460-99997-5	ES-5	82	86	104
460-99997-6	ES-6	81	88	99
460-99997-7	ES-7	82	90	89
460-99997-8	ES-8	83	88	98
460-99997-9	ES-9	75	81	77
460-99997-10	ES-10	83	85	102
460-99997-11	ES-11	87	99	106
460-99997-12	ES-12	81	88	89
460-99997-13	ES-13	77	78	92
460-99997-14	ES-14	80	88	82
460-99997-15	ES-15	78	77	88
460-99997-16	ES-16	75	78	62
460-99997-17	ES-17	62	65	72
460-99997-18	ES-18	79	85	80
460-99997-19	ES-19	80	88	93
460-99997-20	ES-20	77	83	91
460-99997-21	ES-21	67	64	76
460-99997-22	ES-22	64	64	84
MB 460-318152/1-A		69	66	75
MB 460-318158/1-A		75	78	77
LCS 460-318152/2-A		91	93	101
LCS 460-318158/2-A		91	94	100
460-99997-2 MS	ES-2 MS	76	83	74
460-99997-21 MS	ES-21 MS	69	71	77
460-99997-2 MSD	ES-2 MSD	78	87	69

Surrogate	Acceptance Limits
NBZ = Nitrobenzene-d5	30-130
FBP = 2-Fluorobiphenyl	30-130
TPH = Terphenyl-d14	30-130

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Surrogate Recovery Report

8270D Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	NBZ %Rec	FBP %Rec	TPH %Rec
460-99997-21 MSD	ES-21 MSD	67	70	74

Surrogate	Acceptance Limits
NBZ = Nitrobenzene-d5	30-130
FBP = 2-Fluorobiphenyl	30-130
TPH = Terphenyl-d14	30-130

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
460-99997-1	ES-1	111	110	115	109
460-99997-2	ES-2	128	128	132	127
460-99997-3	ES-3	140	138	138	134
460-99997-4	ES-4	113	114	117	112
460-99997-5	ES-5	120	119	126	127
460-99997-6	ES-6	143	138	143	133
460-99997-7	ES-7	112	114	112	110
460-99997-8	ES-8	85	85	87	82
460-99997-9	ES-9	94	94	106	102
460-99997-10	ES-10	109	109	115	104
460-99997-11	ES-11	101	99	108	107
460-99997-12	ES-12	100	98	106	104
460-99997-13	ES-13	111	111	118	117
460-99997-14	ES-14	102	101	108	103
460-99997-15	ES-15	106	106	114	102
460-99997-16	ES-16	96	97	99	98
460-99997-17	ES-17	103	103	108	105
460-99997-18	ES-18	95	94	103	97
460-99997-19	ES-19	96	96	105	101
460-99997-20	ES-20	105	104	111	105
460-99997-21	ES-21	112	111	118	114
460-99997-22	ES-22	84	121	87	124
MB 460-318165/1-A		58p	113	122	116
MB 460-318167/1-A		110	110	119	113
LCS 460-318165/2-A		105	103	111	105
LCS 460-318167/2-A		116	113	122	115
460-99997-2 MS	ES-2 MS	127	124	127	123
460-99997-21 MS	ES-21 MS	127	124	135	133
460-99997-2 MSD	ES-2 MSD	110	108	112	104

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	30-150
DCB = DCB Decachlorobiphenyl	30-150

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
460-99997-21 MSD	ES-21 MSD	124	123	132	128

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	30-150
DCB = DCB Decachlorobiphenyl	30-150

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Method Blank - Batch: 460-318152

Method: 8270D Preparation: 3546

Lab Sample ID: MB 460-318152/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 08/22/2015 0934
Prep Date: 08/21/2015 1943
Leach Date: N/A

Analysis Batch: 460-318191
Prep Batch: 460-318152
Leach Batch: N/A
Units: mg/Kg

Instrument ID: CBNAMS5
Lab File ID: x5559.D
Initial Weight/Volume: 15.0000 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Naphthalene	0.0084	U	0.0084	0.33
2-Methylnaphthalene	0.0073	U	0.0073	0.33
Acenaphthylene	0.0085	U	0.0085	0.33
Acenaphthene	0.0080	U	0.0080	0.33
Fluorene	0.0072	U	0.0072	0.33
Phenanthrene	0.0088	U	0.0088	0.33
Anthracene	0.031	U	0.031	0.33
Fluoranthene	0.0098	U	0.0098	0.33
Pyrene	0.015	U	0.015	0.33
Benzo[a]anthracene	0.028	U	0.028	0.033
Chrysene	0.0090	U	0.0090	0.33
Benzo[b]fluoranthene	0.013	U	0.013	0.033
Benzo[k]fluoranthene	0.014	U	0.014	0.033
Benzo[a]pyrene	0.010	U	0.010	0.033
Indeno[1,2,3-cd]pyrene	0.022	U	0.022	0.033
Dibenz(a,h)anthracene	0.017	U	0.017	0.033
Benzo[g,h,i]perylene	0.019	U	0.019	0.33

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	69	30 - 130
Terphenyl-d14	75	30 - 130
2-Fluorobiphenyl	66	30 - 130

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Lab Control Sample - Batch: 460-318152

Method: 8270D
Preparation: 3546

Lab Sample ID:	LCS 460-318152/2-A	Analysis Batch:	460-318190	Instrument ID:	CBNAMS11
Client Matrix:	Solid	Prep Batch:	460-318152	Lab File ID:	z35645.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	08/22/2015 1041	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/21/2015 1943			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Naphthalene	3.33	3.22	96	70 - 130	
2-Methylnaphthalene	3.33	3.46	104	70 - 130	
Acenaphthylene	3.33	3.26	98	70 - 130	
Acenaphthene	3.33	3.19	96	70 - 130	
Fluorene	3.33	3.41	102	70 - 130	
Phenanthrene	3.33	3.32	99	70 - 130	
Anthracene	3.33	3.31	99	70 - 130	
Fluoranthene	3.33	3.59	108	70 - 130	
Pyrene	3.33	3.13	94	70 - 130	
Benzo[a]anthracene	3.33	3.24	97	70 - 130	
Chrysene	3.33	3.41	102	70 - 130	
Benzo[b]fluoranthene	3.33	3.57	107	70 - 130	
Benzo[k]fluoranthene	3.33	3.42	103	70 - 130	
Benzo[a]pyrene	3.33	3.45	103	70 - 130	
Indeno[1,2,3-cd]pyrene	3.33	3.45	104	70 - 130	
Dibenz(a,h)anthracene	3.33	3.41	102	70 - 130	
Benzo[g,h,i]perylene	3.33	2.99	90	70 - 130	
Surrogate	% Rec		Acceptance Limits		
Nitrobenzene-d5	91		30 - 130		
Terphenyl-d14	101		30 - 130		
2-Fluorobiphenyl	93		30 - 130		

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-318152

Method: 8270D
Preparation: 3546

MS Lab Sample ID: 460-99997-21
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 08/22/2015 1158
Prep Date: 08/21/2015 1943
Leach Date: N/A

Analysis Batch: 460-318191
Prep Batch: 460-318152
Leach Batch: N/A

Instrument ID: CBNAMS5
Lab File ID: x5565.D
Initial Weight/Volume: 15.0213 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

MSD Lab Sample ID: 460-99997-21
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 08/22/2015 1222
Prep Date: 08/21/2015 1943
Leach Date: N/A

Analysis Batch: 460-318191
Prep Batch: 460-318152
Leach Batch: N/A

Instrument ID: CBNAMS5
Lab File ID: x5566.D
Initial Weight/Volume: 15.0216 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Naphthalene	66	65	70 - 130	1	30	F1	F1
2-Methylnaphthalene	71	70	70 - 130	3	30		
Acenaphthylene	68	69	70 - 130	2	30	F1	F1
Acenaphthene	71	71	70 - 130	1	30		
Fluorene	71	72	70 - 130	0	30		
Phenanthrene	72	71	70 - 130	1	30		
Anthracene	73	71	70 - 130	2	30		
Fluoranthene	74	73	70 - 130	1	30		
Pyrene	70	69	70 - 130	2	30		F1
Benzo[a]anthracene	71	68	70 - 130	3	30		F1
Chrysene	73	71	70 - 130	2	30		
Benzo[b]fluoranthene	77	74	70 - 130	4	30		
Benzo[k]fluoranthene	73	71	70 - 130	3	30		
Benzo[a]pyrene	75	72	70 - 130	5	30		
Indeno[1,2,3-cd]pyrene	77	71	70 - 130	8	30		
Dibenz(a,h)anthracene	78	76	70 - 130	3	30		
Benzo[g,h,i]perylene	71	69	70 - 130	3	30		F1
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Nitrobenzene-d5	69		67		30 - 130		
Terphenyl-d14	77		74		30 - 130		
2-Fluorobiphenyl	71		70		30 - 130		

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-318152

Method: 8270D
Preparation: 3546

MS Lab Sample ID: 460-99997-21
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 08/22/2015 1158
Prep Date: 08/21/2015 1943
Leach Date: N/A

Units: mg/Kg

MSD Lab Sample ID: 460-99997-21
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 08/22/2015 1222
Prep Date: 08/21/2015 1943
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Naphthalene	0.0097	U	3.85	3.85	2.55 F1	2.51 F1
2-Methylnaphthalene	0.0084	U	3.85	3.85	2.75	2.68
Acenaphthylene	0.0098	U	3.85	3.85	2.62 F1	2.66 F1
Acenaphthene	0.0092	U	3.85	3.85	2.73	2.75
Fluorene	0.0083	U	3.85	3.85	2.75	2.77
Phenanthrene	0.016	J	3.85	3.85	2.80	2.77
Anthracene	0.036	U	3.85	3.85	2.79	2.73
Fluoranthene	0.027	J	3.85	3.85	2.88	2.84
Pyrene	0.020	J	3.85	3.85	2.74	2.67 F1
Benzo[a]anthracene	0.032	U	3.85	3.85	2.72	2.63 F1
Chrysene	0.012	J	3.85	3.85	2.82	2.76
Benzo[b]fluoranthene	0.015	J	3.85	3.85	2.95	2.83
Benzo[k]fluoranthene	0.017	U	3.85	3.85	2.82	2.74
Benzo[a]pyrene	0.012	U	3.85	3.85	2.91	2.77
Indeno[1,2,3-cd]pyrene	0.025	U	3.85	3.85	2.96	2.75
Dibenz(a,h)anthracene	0.020	U	3.85	3.85	2.99	2.92
Benzo[g,h,i]perylene	0.022	U	3.85	3.85	2.73	2.65 F1

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Method Blank - Batch: 460-318158

Method: 8270D Preparation: 3546

Lab Sample ID: MB 460-318158/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 08/24/2015 1125
Prep Date: 08/21/2015 2130
Leach Date: N/A

Analysis Batch: 460-318357
Prep Batch: 460-318158
Leach Batch: N/A
Units: mg/Kg

Instrument ID: CBNAMS11
Lab File ID: z35686.D
Initial Weight/Volume: 15.0000 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Naphthalene	0.0084	U	0.0084	0.33
2-Methylnaphthalene	0.0073	U	0.0073	0.33
Acenaphthylene	0.0085	U	0.0085	0.33
Acenaphthene	0.0080	U	0.0080	0.33
Fluorene	0.0072	U	0.0072	0.33
Phenanthrene	0.0088	U	0.0088	0.33
Anthracene	0.031	U	0.031	0.33
Fluoranthene	0.0098	U	0.0098	0.33
Pyrene	0.015	U	0.015	0.33
Benzo[a]anthracene	0.028	U	0.028	0.033
Chrysene	0.0090	U	0.0090	0.33
Benzo[b]fluoranthene	0.013	U	0.013	0.033
Benzo[k]fluoranthene	0.014	U	0.014	0.033
Benzo[a]pyrene	0.010	U	0.010	0.033
Indeno[1,2,3-cd]pyrene	0.022	U	0.022	0.033
Dibenz(a,h)anthracene	0.017	U	0.017	0.033
Benzo[g,h,i]perylene	0.019	U	0.019	0.33
Surrogate	% Rec	Acceptance Limits		
Nitrobenzene-d5	75	30 - 130		
Terphenyl-d14	77	30 - 130		
2-Fluorobiphenyl	78	30 - 130		

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Lab Control Sample - Batch: 460-318158

Method: 8270D
Preparation: 3546

Lab Sample ID:	LCS 460-318158/2-A	Analysis Batch:	460-318190	Instrument ID:	CBNAMS11
Client Matrix:	Solid	Prep Batch:	460-318158	Lab File ID:	z35643.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	08/22/2015 0955	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/21/2015 2130			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Naphthalene	3.33	3.21	96	70 - 130	
2-Methylnaphthalene	3.33	3.39	102	70 - 130	
Acenaphthylene	3.33	3.28	98	70 - 130	
Acenaphthene	3.33	3.15	94	70 - 130	
Fluorene	3.33	3.41	102	70 - 130	
Phenanthrene	3.33	3.31	99	70 - 130	
Anthracene	3.33	3.29	99	70 - 130	
Fluoranthene	3.33	3.54	106	70 - 130	
Pyrene	3.33	3.08	92	70 - 130	
Benzo[a]anthracene	3.33	3.25	98	70 - 130	
Chrysene	3.33	3.40	102	70 - 130	
Benzo[b]fluoranthene	3.33	3.38	101	70 - 130	
Benzo[k]fluoranthene	3.33	3.57	107	70 - 130	
Benzo[a]pyrene	3.33	3.43	103	70 - 130	
Indeno[1,2,3-cd]pyrene	3.33	3.61	108	70 - 130	
Dibenz(a,h)anthracene	3.33	3.48	104	70 - 130	
Benzo[g,h,i]perylene	3.33	3.11	93	70 - 130	
Surrogate	% Rec		Acceptance Limits		
Nitrobenzene-d5	91		30 - 130		
Terphenyl-d14	100		30 - 130		
2-Fluorobiphenyl	94		30 - 130		

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-318158

Method: 8270D
Preparation: 3546

MS Lab Sample ID: 460-99997-2
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 08/24/2015 1320
Prep Date: 08/21/2015 2130
Leach Date: N/A

Analysis Batch: 460-318357
Prep Batch: 460-318158
Leach Batch: N/A

Instrument ID: CBNAMS11
Lab File ID: z35691.D
Initial Weight/Volume: 15.0219 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

MSD Lab Sample ID: 460-99997-2
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 08/24/2015 1343
Prep Date: 08/21/2015 2130
Leach Date: N/A

Analysis Batch: 460-318357
Prep Batch: 460-318158
Leach Batch: N/A

Instrument ID: CBNAMS11
Lab File ID: z35692.D
Initial Weight/Volume: 15.0217 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Naphthalene	73	77	70 - 130	6	30		
2-Methylnaphthalene	75	79	70 - 130	5	30		
Acenaphthylene	77	82	70 - 130	5	30		
Acenaphthene	74	78	70 - 130	5	30		
Fluorene	76	81	70 - 130	6	30		
Phenanthrene	78	83	70 - 130	6	30		
Anthracene	78	83	70 - 130	7	30		
Fluoranthene	79	87	70 - 130	9	30		
Pyrene	62	60	70 - 130	3	30	F1	F1
Benzo[a]anthracene	77	82	70 - 130	5	30		
Chrysene	81	86	70 - 130	6	30		
Benzo[b]fluoranthene	69	77	70 - 130	10	30	F1	
Benzo[k]fluoranthene	74	77	70 - 130	5	30		
Benzo[a]pyrene	82	87	70 - 130	7	30		
Indeno[1,2,3-cd]pyrene	111	109	70 - 130	1	30		
Dibenz(a,h)anthracene	105	102	70 - 130	2	30		
Benzo[g,h,i]perylene	91	86	70 - 130	5	30		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Nitrobenzene-d5	76		78		30 - 130		
Terphenyl-d14	74		69		30 - 130		
2-Fluorobiphenyl	83		87		30 - 130		

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-318158

Method: 8270D
Preparation: 3546

MS Lab Sample ID: 460-99997-2
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 08/24/2015 1320
Prep Date: 08/21/2015 2130
Leach Date: N/A

Units: mg/Kg

MSD Lab Sample ID: 460-99997-2
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 08/24/2015 1343
Prep Date: 08/21/2015 2130
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
Naphthalene	0.0092	U	3.67	3.67	2.67	2.84	
2-Methylnaphthalene	0.0080	U	3.67	3.67	2.76	2.91	
Acenaphthylene	0.0094	U	3.67	3.67	2.84	3.00	
Acenaphthene	0.010	J	3.67	3.67	2.72	2.86	
Fluorene	0.0079	U	3.67	3.67	2.80	2.97	
Phenanthrene	0.096	J	3.67	3.67	2.96	3.15	
Anthracene	0.035	U	3.67	3.67	2.87	3.06	
Fluoranthene	0.15	J	3.67	3.67	3.07	3.35	
Pyrene	0.13	J	3.67	3.67	2.41	2.34	F1
Benzo[a]anthracene	0.079		3.67	3.67	2.92	3.08	
Chrysene	0.099	J	3.67	3.67	3.08	3.27	
Benzo[b]fluoranthene	0.10		3.67	3.67	2.65	2.91	F1
Benzo[k]fluoranthene	0.040		3.67	3.67	2.74	2.87	
Benzo[a]pyrene	0.073		3.67	3.67	3.07	3.28	
Indeno[1,2,3-cd]pyrene	0.059		3.67	3.67	4.13	4.07	
Dibenz(a,h)anthracene	0.021	J	3.67	3.67	3.87	3.78	
Benzo[g,h,i]perylene	0.068	J	3.67	3.67	3.39	3.22	

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Method Blank - Batch: 460-318165

Method: 8082A Preparation: 3546

Lab Sample ID:	MB 460-318165/1-A	Analysis Batch:	460-318197	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-318165	Lab File ID:	T1305357.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	08/22/2015 0928	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/21/2015 2218			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	0.0089	U	0.0089	0.067
Aroclor 1221	0.0089	U	0.0089	0.067
Aroclor 1232	0.0089	U	0.0089	0.067
Aroclor 1242	0.0089	U	0.0089	0.067
Aroclor 1248	0.0089	U	0.0089	0.067
Aroclor 1254	0.0092	U	0.0092	0.067
Aroclor 1260	0.0092	U	0.0092	0.067
Aroclor 1262	0.0092	U	0.0092	0.067
Aroclor 1268	0.0092	U	0.0092	0.067
Polychlorinated biphenyls, Total	0.0092	U	0.0092	0.067

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	122	30 - 150
Tetrachloro-m-xylene	58	30 - 150

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	116	30 - 150
Tetrachloro-m-xylene	113	30 - 150

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Lab Control Sample - Batch: 460-318165

Method: 8082A
Preparation: 3546

Lab Sample ID:	LCS 460-318165/2-A	Analysis Batch:	460-318197	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-318165	Lab File ID:	T1305358.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	08/22/2015 0942	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/21/2015 2218			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	0.333	0.351	105	40 - 140	
Aroclor 1260	0.333	0.395	118	40 - 140	
Surrogate	% Rec		Acceptance Limits		
DCB Decachlorobiphenyl		111		30 - 150	
Tetrachloro-m-xylene		105		30 - 150	

Lab Control Sample - Batch: 460-318165

Method: 8082A
Preparation: 3546

Lab Sample ID:	LCS 460-318165/2-A	Analysis Batch:	460-318197	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-318165	Lab File ID:	T1305358.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	08/22/2015 0942	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/21/2015 2218			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	0.333	0.349	105	40 - 140	
Aroclor 1260	0.333	0.393	118	40 - 140	
Surrogate	% Rec		Acceptance Limits		
DCB Decachlorobiphenyl		105		30 - 150	
Tetrachloro-m-xylene		103		30 - 150	

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-318165**

**Method: 8082A
Preparation: 3546**

MS Lab Sample ID: 460-99997-21
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 08/22/2015 1041
Prep Date: 08/21/2015 2218
Leach Date: N/A

Analysis Batch: 460-318197
Prep Batch: 460-318165
Leach Batch: N/A

Instrument ID: CPESTGC11
Lab File ID: T1305362.D
Initial Weight/Volume: 15.0213 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

MSD Lab Sample ID: 460-99997-21
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 08/22/2015 1055
Prep Date: 08/21/2015 2218
Leach Date: N/A

Analysis Batch: 460-318197
Prep Batch: 460-318165
Leach Batch: N/A

Instrument ID: CPESTGC11
Lab File ID: T1305363.D
Initial Weight/Volume: 15.0215 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aroclor 1016	132	129	40 - 140	2	30		
Aroclor 1260	145	141	40 - 140	3	30	F1	F1
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	135		132	30 - 150			
Tetrachloro-m-xylene	127		124	30 - 150			

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-318165**

**Method: 8082A
Preparation: 3546**

MS Lab Sample ID: 460-99997-21
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 08/22/2015 1041
Prep Date: 08/21/2015 2218
Leach Date: N/A

Analysis Batch: 460-318197
Prep Batch: 460-318165
Leach Batch: N/A

Instrument ID: CPESTGC11
Lab File ID: T1305362.D
Initial Weight/Volume: 15.0213 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: SECONDARY

MSD Lab Sample ID: 460-99997-21
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 08/22/2015 1055
Prep Date: 08/21/2015 2218
Leach Date: N/A

Analysis Batch: 460-318197
Prep Batch: 460-318165
Leach Batch: N/A

Instrument ID: CPESTGC11
Lab File ID: T1305363.D
Initial Weight/Volume: 15.0215 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: SECONDARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aroclor 1016	130	128	40 - 140	2	30		
Aroclor 1260	142	140	40 - 140	1	30	F1	
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	133		128	30 - 150			
Tetrachloro-m-xylene	124		123	30 - 150			

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-318165

Method: 8082A
Preparation: 3546

MS Lab Sample ID: 460-99997-21 Units: mg/Kg
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 08/22/2015 1041
Prep Date: 08/21/2015 2218
Leach Date: N/A

MSD Lab Sample ID: 460-99997-21
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 08/22/2015 1055
Prep Date: 08/21/2015 2218
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Aroclor 1016	0.010	U	0.385	0.385	0.507		0.498	
Aroclor 1260	0.011	U	0.385	0.385	0.559	F1	0.543	F1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-318165

Method: 8082A
Preparation: 3546

MS Lab Sample ID: 460-99997-21 Units: mg/Kg
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 08/22/2015 1041
Prep Date: 08/21/2015 2218
Leach Date: N/A

MSD Lab Sample ID: 460-99997-21
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 08/22/2015 1055
Prep Date: 08/21/2015 2218
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Aroclor 1016	0.010	U	0.385	0.385	0.502		0.493	
Aroclor 1260	0.011	U	0.385	0.385	0.545	F1	0.539	

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Method Blank - Batch: 460-318167

Method: 8082A Preparation: 3546

Lab Sample ID: MB 460-318167/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 08/23/2015 1001
Prep Date: 08/21/2015 2224
Leach Date: N/A

Analysis Batch: 460-318286
Prep Batch: 460-318167
Leach Batch: N/A
Units: mg/Kg

Instrument ID: CPESTGC11
Lab File ID: T1305380.D
Initial Weight/Volume: 15.0000 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	0.0089	U	0.0089	0.067
Aroclor 1221	0.0089	U	0.0089	0.067
Aroclor 1232	0.0089	U	0.0089	0.067
Aroclor 1242	0.0089	U	0.0089	0.067
Aroclor 1248	0.0089	U	0.0089	0.067
Aroclor 1254	0.0092	U	0.0092	0.067
Aroclor 1260	0.0092	U	0.0092	0.067
Aroclor 1262	0.0092	U	0.0092	0.067
Aroclor 1268	0.0092	U	0.0092	0.067
Polychlorinated biphenyls, Total	0.0092	U	0.0092	0.067

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	119	30 - 150
Tetrachloro-m-xylene	110	30 - 150

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	113	30 - 150
Tetrachloro-m-xylene	110	30 - 150

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Lab Control Sample - Batch: 460-318167

Method: 8082A
Preparation: 3546

Lab Sample ID:	LCS 460-318167/2-A	Analysis Batch:	460-318286	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-318167	Lab File ID:	T1305381.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	08/23/2015 1016	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/21/2015 2224			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	0.333	0.390	117	40 - 140	
Aroclor 1260	0.333	0.432	130	40 - 140	
Surrogate	% Rec		Acceptance Limits		
DCB Decachlorobiphenyl	122		30 - 150		
Tetrachloro-m-xylene	116		30 - 150		

Lab Control Sample - Batch: 460-318167

Method: 8082A
Preparation: 3546

Lab Sample ID:	LCS 460-318167/2-A	Analysis Batch:	460-318286	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-318167	Lab File ID:	T1305381.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	08/23/2015 1016	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/21/2015 2224			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	0.333	0.381	114	40 - 140	
Aroclor 1260	0.333	0.430	129	40 - 140	
Surrogate	% Rec		Acceptance Limits		
DCB Decachlorobiphenyl	115		30 - 150		
Tetrachloro-m-xylene	113		30 - 150		

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-318167

Method: 8082A
Preparation: 3546

MS Lab Sample ID: 460-99997-2
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 08/23/2015 1045
Prep Date: 08/21/2015 2224
Leach Date: N/A

Analysis Batch: 460-318286
Prep Batch: 460-318167
Leach Batch: N/A

Instrument ID: CPESTGC11
Lab File ID: T1305383.D
Initial Weight/Volume: 15.0127 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

MSD Lab Sample ID: 460-99997-2
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 08/23/2015 1059
Prep Date: 08/21/2015 2224
Leach Date: N/A

Analysis Batch: 460-318286
Prep Batch: 460-318167
Leach Batch: N/A

Instrument ID: CPESTGC11
Lab File ID: T1305384.D
Initial Weight/Volume: 15.0125 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aroclor 1016	132	114	40 - 140	14	30	F1	
Aroclor 1260	143	127	40 - 140	12	30		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
DCB Decachlorobiphenyl	127		112		30 - 150		
Tetrachloro-m-xylene	127		110		30 - 150		

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-318167

Method: 8082A
Preparation: 3546

MS Lab Sample ID: 460-99997-2
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 08/23/2015 1045
Prep Date: 08/21/2015 2224
Leach Date: N/A

Analysis Batch: 460-318286
Prep Batch: 460-318167
Leach Batch: N/A

Instrument ID: CPESTGC11
Lab File ID: T1305383.D
Initial Weight/Volume: 15.0127 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: SECONDARY

MSD Lab Sample ID: 460-99997-2
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 08/23/2015 1059
Prep Date: 08/21/2015 2224
Leach Date: N/A

Analysis Batch: 460-318286
Prep Batch: 460-318167
Leach Batch: N/A

Instrument ID: CPESTGC11
Lab File ID: T1305384.D
Initial Weight/Volume: 15.0125 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: SECONDARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aroclor 1016	131	113	40 - 140	14	30	F1	
Aroclor 1260	142	124	40 - 140	14	30		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
DCB Decachlorobiphenyl	123		104		30 - 150		
Tetrachloro-m-xylene	124		108		30 - 150		

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-318167

Method: 8082A
Preparation: 3546

MS Lab Sample ID: 460-99997-2 Units: mg/Kg
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 08/23/2015 1045
Prep Date: 08/21/2015 2224
Leach Date: N/A

MSD Lab Sample ID: 460-99997-2
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 08/23/2015 1059
Prep Date: 08/21/2015 2224
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Aroclor 1016	0.0098	U	0.367	0.367	0.484	0.420
Aroclor 1260	0.010	U	0.367	0.367	0.526 F1	0.467

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-318167

Method: 8082A
Preparation: 3546

MS Lab Sample ID: 460-99997-2 Units: mg/Kg
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 08/23/2015 1045
Prep Date: 08/21/2015 2224
Leach Date: N/A

MSD Lab Sample ID: 460-99997-2
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 08/23/2015 1059
Prep Date: 08/21/2015 2224
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Aroclor 1016	0.0098	U	0.367	0.367	0.479	0.416
Aroclor 1260	0.010	U	0.367	0.367	0.523 F1	0.456

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Method Blank - Batch: 460-319427

Method: 6020A

Preparation: 3050B

Lab Sample ID:	MB 460-319427/1-A ^20	Analysis Batch:	460-319928	Instrument ID:	ICPMS1
Client Matrix:	Solid	Prep Batch:	460-319427	Lab File ID:	018_CCB.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	08/30/2015 1922	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/28/2015 0729				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	7.4	U	7.4	20.0
Silver	0.75	U	0.75	1.0
Arsenic	0.45	U	0.45	1.0
Barium	0.66	U	0.66	2.0
Beryllium	0.13	U	0.13	0.40
Calcium	35.8	U	35.8	100
Cadmium	0.31	U	0.31	1.0
Chromium	0.78	U	0.78	2.0
Cobalt	0.77	U	0.77	2.0
Copper	0.67	U	0.67	2.0
Iron	25.9	U	25.9	60.0
Potassium	34.0	U	34.0	100
Magnesium	35.9	U	35.9	100
Manganese	1.6	U	1.6	4.0
Sodium	38.4	U	38.4	100
Nickel	0.78	U	0.78	2.0
Lead	0.22	U	0.22	0.60
Antimony	0.41	U	0.41	1.0
Selenium	0.39	U	0.39	5.0
Thallium	0.16	U	0.16	0.40
Vanadium	0.77	U	0.77	2.0
Zinc	2.4	U	2.4	8.0

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

LCS-Certified Reference Material - Batch: 460-319427

Method: 6020A

Preparation: 3050B

Lab Sample ID: LCSSRM 460-319427/2-~~A~~ Analysis Batch: 460-319928
 Client Matrix: Solid Prep Batch: 460-319427
 Dilution: 100 Leach Batch: N/A
 Analysis Date: 08/30/2015 1927 Units: mg/Kg
 Prep Date: 08/28/2015 0729
 Leach Date: N/A

Instrument ID: ICPMS1
 Lab File ID: 019SMPL.D
 Initial Weight/Volume: 1.04 g
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	7930	6938	87.5	50.2 - 150.1	
Arsenic	98.5	91.06	92.4	77.8 - 122.8	
Barium	308	279.2	90.6	82.5 - 117.5	
Beryllium	66.0	59.57	90.3	83.0 - 116.8	
Calcium	6610	6010	90.9	83.7 - 116.2	
Cadmium	146	135.4	92.7	82.9 - 117.8	
Chromium	182	167.7	92.2	79.7 - 120.3	
Cobalt	162	149.2	92.1	83.3 - 116.0	
Copper	106	100.9	95.2	81.5 - 118.9	
Iron	14400	13710	95.2	44.1 - 155.6	
Potassium	2550	2240	87.8	69.0 - 130.6	
Magnesium	2640	2400	90.9	75.8 - 124.6	
Manganese	410	376.7	91.9	81.2 - 119.0	
Sodium	2480	2328	93.9	70.6 - 129.0	
Nickel	149	143.1	96.1	82.6 - 117.4	
Lead	130	120.0	92.3	82.3 - 117.7	
Antimony	105	69.13	65.8	0.1 - 201.0	
Selenium	154	144.8	94.0	77.9 - 122.1	
Thallium	175	164.3	93.9	78.3 - 121.1	
Vanadium	96.7	88.51	91.5	77.2 - 123.1	
Zinc	191	177.2	92.8	83.2 - 116.8	

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Post Digestion Spike - Batch: 460-319427

Method: 6020A
Preparation: 3050B

Lab Sample ID:	460-99997-12	Analysis Batch:	460-319928	Instrument ID:	ICPMS1
Client Matrix:	Solid	Prep Batch:	460-319427	Lab File ID:	020SMPL.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	08/30/2015 1932	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/28/2015 0729				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	13800	579	13970	NC	80 - 120	
Arsenic	5.6	11.6	16.83	97	80 - 120	
Barium	117	11.6	124.8	NC	80 - 120	
Beryllium	0.89	5.79	6.47	96	80 - 120	
Calcium	88900	579	87240	NC	80 - 120	
Cadmium	0.36 U	5.79	5.85	101	80 - 120	
Chromium	28.7	11.6	39.48	93	80 - 120	
Cobalt	6.0	5.79	11.50	95	80 - 120	
Copper	30.0	11.6	35.60	48	80 - 120	W
Iron	14700	579	15110	NC	80 - 120	
Potassium	2300	579	2816	88	80 - 120	
Magnesium	10700	579	11050	NC	80 - 120	
Manganese	483	57.9	532.8	87	80 - 120	
Sodium	807	579	1380	99	80 - 120	
Nickel	17.5	11.6	28.72	97	80 - 120	
Lead	35.2	5.79	40.24	87	80 - 120	
Antimony	1.1 J	5.79	6.72	98	80 - 120	
Selenium	0.45 U	11.6	11.81	102	80 - 120	
Thallium	0.18 U	4.63	4.94	107	80 - 120	
Vanadium	27.9	11.6	38.67	93	80 - 120	
Zinc	169	57.9	221.1	89	80 - 120	

Matrix Spike - Batch: 460-319427

Method: 6020A
Preparation: 3050B

Lab Sample ID:	460-99997-12	Analysis Batch:	460-319928	Instrument ID:	ICPMS1
Client Matrix:	Solid	Prep Batch:	460-319427	Lab File ID:	021SMPL.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	08/30/2015 1940	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/28/2015 0729				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	13800	579	13380	-70	75 - 125	4
Arsenic	5.6	11.6	16.29	92	75 - 125	
Barium	117	11.6	120.6	27	75 - 125	4
Beryllium	0.89	5.79	6.38	95	75 - 125	
Calcium	88900	579	88950	0	75 - 125	4
Cadmium	0.36 U	5.79	5.45	94	75 - 125	

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Matrix Spike - Batch: 460-319427

Method: 6020A
Preparation: 3050B

Lab Sample ID: 460-99997-12
Client Matrix: Solid
Dilution: 20
Analysis Date: 08/30/2015 1940
Prep Date: 08/28/2015 0729
Leach Date: N/A

Analysis Batch: 460-319928
Prep Batch: 460-319427
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICPMS1
Lab File ID: 021SMPL.D
Initial Weight/Volume: 1.03 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium	28.7	11.6	39.99	98	75 - 125	
Cobalt	6.0	5.79	10.42	77	75 - 125	
Copper	30.0	11.6	35.18	45	75 - 125	F1
Iron	14700	579	14290	-78	75 - 125	4
Potassium	2300	579	2811	87	75 - 125	
Magnesium	10700	579	9516	-201	75 - 125	4
Manganese	483	57.9	459.6	-40	75 - 125	4
Sodium	807	579	1281	82	75 - 125	
Nickel	17.5	11.6	26.66	79	75 - 125	
Lead	35.2	5.79	42.23	122	75 - 125	4
Antimony	1.1 J	5.79	2.96	33	75 - 125	F1
Selenium	0.45 U	11.6	10.65	92	75 - 125	
Thallium	0.18 U	4.63	4.53	98	75 - 125	
Vanadium	27.9	11.6	38.18	88	75 - 125	
Zinc	169	57.9	209.8	70	75 - 125	F1

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Duplicate - Batch: 460-319427

Method: 6020A
Preparation: 3050B

Lab Sample ID: 460-99997-12
Client Matrix: Solid
Dilution: 20
Analysis Date: 08/30/2015 1946
Prep Date: 08/28/2015 0729
Leach Date: N/A

Analysis Batch: 460-319928
Prep Batch: 460-319427
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICPMS1
Lab File ID: 022SMPL.D
Initial Weight/Volume: 1.08 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Aluminum	13800	12230	12	35	
Silver	0.87 U	0.83	NC	35	U
Arsenic	5.6	4.99	12	35	
Barium	117	90.51	26	35	
Beryllium	0.89	0.734	19	35	
Calcium	88900	78350	13	35	
Cadmium	0.36 U	0.34	NC	35	U
Chromium	28.7	31.86	11	35	
Cobalt	6.0	6.10	2	35	
Copper	30.0	32.34	7	35	
Iron	14700	14940	1	35	
Potassium	2300	2206	4	35	
Magnesium	10700	8607	22	35	
Manganese	483	377.6	24	35	
Sodium	807	1286	46	35	F3
Nickel	17.5	18.52	6	35	
Lead	35.2	35.50	0.9	35	
Antimony	1.1 J	0.951	11	35	J
Selenium	0.45 U	0.43	NC	35	U
Thallium	0.18 U	0.17	NC	35	U
Vanadium	27.9	31.82	13	35	
Zinc	169	234.0	32	35	

Serial Dilution - Batch: 460-319427

Method: 6020A
Preparation: 3050B

Lab Sample ID: 460-99997-12
Client Matrix: Solid
Dilution: 100
Analysis Date: 08/30/2015 1956
Prep Date: 08/28/2015 0729
Leach Date: N/A

Analysis Batch: 460-319928
Prep Batch: 460-319427
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICPMS1
Lab File ID: 024SMPL.D
Initial Weight/Volume: 1.03 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Aluminum	13800	14130	2.5	10	
Silver	0.87 U	4.4	NC	10	U
Arsenic	5.6	5.53	NC	10	J
Barium	117	116.3	NC	10	
Beryllium	0.89	1.09	NC	10	J
Calcium	88900	84830	4.6	10	
Cadmium	0.36 U	1.8	NC	10	U

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Serial Dilution - Batch: 460-319427

Method: 6020A

Preparation: 3050B

Lab Sample ID:	460-99997-12	Analysis Batch:	460-319928	Instrument ID:	ICPMS1
Client Matrix:	Solid	Prep Batch:	460-319427	Lab File ID:	024SMPL.D
Dilution:	100	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	08/30/2015 1956	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/28/2015 0729				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Chromium	28.7	28.09	NC	10	
Cobalt	6.0	5.85	NC	10	J
Copper	30.0	26.25	NC	10	
Iron	14700	14590	NC	10	
Potassium	2300	2160	NC	10	
Magnesium	10700	11090	NC	10	
Manganese	483	470.2	NC	10	
Sodium	807	734.8	NC	10	
Nickel	17.5	17.27	NC	10	
Lead	35.2	33.63	NC	10	
Antimony	1.1 J	2.4	NC	10	U
Selenium	0.45 U	2.2	NC	10	U
Thallium	0.18 U	0.90	NC	10	U
Vanadium	27.9	27.10	NC	10	
Zinc	169	171.6	NC	10	

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Method Blank - Batch: 460-319429

Method: 6020A

Preparation: 3050B

Lab Sample ID:	MB 460-319429/1-A ^20	Analysis Batch:	460-319928	Instrument ID:	ICPMS1
Client Matrix:	Solid	Prep Batch:	460-319429	Lab File ID:	054_CCB.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	08/30/2015 2237	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/28/2015 0741				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	7.4	U	7.4	20.0
Silver	0.75	U	0.75	1.0
Arsenic	0.45	U	0.45	1.0
Barium	0.66	U	0.66	2.0
Beryllium	0.13	U	0.13	0.40
Calcium	35.8	U	35.8	100
Cadmium	0.31	U	0.31	1.0
Chromium	0.78	U	0.78	2.0
Cobalt	0.77	U	0.77	2.0
Copper	0.67	U	0.67	2.0
Iron	25.9	U	25.9	60.0
Potassium	34.0	U	34.0	100
Magnesium	35.9	U	35.9	100
Manganese	1.6	U	1.6	4.0
Sodium	38.4	U	38.4	100
Nickel	0.78	U	0.78	2.0
Lead	0.22	U	0.22	0.60
Antimony	0.41	U	0.41	1.0
Selenium	0.39	U	0.39	5.0
Thallium	0.16	U	0.16	0.40
Vanadium	0.77	U	0.77	2.0
Zinc	2.4	U	2.4	8.0

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

LCS-Certified Reference Material - Batch: 460-319429

Method: 6020A

Preparation: 3050B

Lab Sample ID: LCSSRM 460-319429/2-
 Client Matrix: Solid
 Dilution: 100
 Analysis Date: 08/30/2015 2243
 Prep Date: 08/28/2015 0741
 Leach Date: N/A

Instrument ID: ICPMS1
 Lab File ID: 055SMPL.D
 Initial Weight/Volume: 1.01 g
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	7930	6921	87.3	50.2 - 150.1	
Arsenic	98.5	93.32	94.7	77.8 - 122.8	
Barium	308	285.6	92.7	82.5 - 117.5	
Beryllium	66.0	61.68	93.5	83.0 - 116.8	
Calcium	6610	6074	91.9	83.7 - 116.2	
Cadmium	146	138.5	94.9	82.9 - 117.8	
Chromium	182	171.0	94.0	79.7 - 120.3	
Cobalt	162	154.6	95.4	83.3 - 116.0	
Copper	106	102.3	96.5	81.5 - 118.9	
Iron	14400	14070	97.7	44.1 - 155.6	
Potassium	2550	2292	89.9	69.0 - 130.6	
Magnesium	2640	2432	92.1	75.8 - 124.6	
Manganese	410	384.0	93.6	81.2 - 119.0	
Sodium	2480	2245	90.5	70.6 - 129.0	
Nickel	149	147.6	99.0	82.6 - 117.4	
Lead	130	118.7	91.3	82.3 - 117.7	
Antimony	105	69.01	65.7	0.1 - 201.0	
Selenium	154	145.9	94.8	77.9 - 122.1	
Thallium	175	166.9	95.4	78.3 - 121.1	
Vanadium	96.7	90.54	93.6	77.2 - 123.1	
Zinc	191	181.5	95.0	83.2 - 116.8	

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Post Digestion Spike - Batch: 460-319429

Method: 6020A

Preparation: 3050B

Lab Sample ID:	460-99997-21	Analysis Batch:	460-319928	Instrument ID:	ICPMS1
Client Matrix:	Solid	Prep Batch:	460-319429	Lab File ID:	056SMPL.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	1.09 g
Analysis Date:	08/30/2015 2248	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/28/2015 0741				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	25100	531	26090	NC	80 - 120	
Arsenic	2.8	10.6	13.23	98	80 - 120	
Barium	75.1	10.6	87.80	120	80 - 120	
Beryllium	0.47	5.31	5.74	99	80 - 120	
Calcium	7240	531	7909	NC	80 - 120	
Cadmium	0.33 U	5.31	5.40	102	80 - 120	
Chromium	155	10.6	170.3	NC	80 - 120	
Cobalt	36.3	5.31	42.04	108	80 - 120	
Copper	95.4	10.6	106.4	104	80 - 120	
Iron	41600	531	42910	NC	80 - 120	
Potassium	854	531	1436	109	80 - 120	
Magnesium	12700	531	13470	NC	80 - 120	
Manganese	929	53.1	995.6	NC	80 - 120	
Sodium	602	531	1129	99	80 - 120	
Nickel	101	10.6	113.2	118	80 - 120	
Lead	10.3	5.31	15.74	103	80 - 120	
Antimony	0.44 U	5.31	5.40	102	80 - 120	
Selenium	0.41 U	10.6	10.40	98	80 - 120	
Thallium	0.16 U	4.25	4.45	105	80 - 120	
Vanadium	104	10.6	116.3	114	80 - 120	
Zinc	56.4	53.1	105.0	92	80 - 120	

Matrix Spike - Batch: 460-319429

Method: 6020A

Preparation: 3050B

Lab Sample ID:	460-99997-21	Analysis Batch:	460-319928	Instrument ID:	ICPMS1
Client Matrix:	Solid	Prep Batch:	460-319429	Lab File ID:	057SMPL.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	1.08 g
Analysis Date:	08/30/2015 2254	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/28/2015 0741				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	25100	536	27710	477	75 - 125	4
Arsenic	2.8	10.7	12.83	93	75 - 125	
Barium	75.1	10.7	87.92	120	75 - 125	4
Beryllium	0.47	5.36	5.39	92	75 - 125	
Calcium	7240	536	7728	90	75 - 125	4
Cadmium	0.33 U	5.36	5.14	96	75 - 125	

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Matrix Spike - Batch: 460-319429

Method: 6020A
Preparation: 3050B

Lab Sample ID: 460-99997-21
Client Matrix: Solid
Dilution: 20
Analysis Date: 08/30/2015 2254
Prep Date: 08/28/2015 0741
Leach Date: N/A

Analysis Batch: 460-319928
Prep Batch: 460-319429
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICPMS1
Lab File ID: 057SMPL.D
Initial Weight/Volume: 1.08 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium	155	10.7	173.5	170	75 - 125	4
Cobalt	36.3	5.36	40.07	70	75 - 125	4
Copper	95.4	10.7	104.4	84	75 - 125	4
Iron	41600	536	42730	210	75 - 125	4
Potassium	854	536	1393	101	75 - 125	
Magnesium	12700	536	14090	252	75 - 125	4
Manganese	929	53.6	808.6	-224	75 - 125	4
Sodium	602	536	1123	97	75 - 125	
Nickel	101	10.7	113.7	122	75 - 125	4
Lead	10.3	5.36	15.23	93	75 - 125	
Antimony	0.44 U	5.36	1.32	25	75 - 125	F1
Selenium	0.41 U	10.7	9.97	93	75 - 125	
Thallium	0.16 U	4.29	4.34	101	75 - 125	
Vanadium	104	10.7	111.7	70	75 - 125	4
Zinc	56.4	53.6	102.5	86	75 - 125	

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Duplicate - Batch: 460-319429

Method: 6020A
Preparation: 3050B

Lab Sample ID: 460-99997-21
Client Matrix: Solid
Dilution: 20
Analysis Date: 08/30/2015 2259
Prep Date: 08/28/2015 0741
Leach Date: N/A

Analysis Batch: 460-319928
Prep Batch: 460-319429
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICPMS1
Lab File ID: 058SMPL.D
Initial Weight/Volume: 1.07 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Aluminum	25100	23710	6	35	
Silver	0.80 U	0.81	NC	35	U
Arsenic	2.8	2.69	5	35	
Barium	75.1	64.83	15	35	
Beryllium	0.47	0.446	5	35	
Calcium	7240	6953	4	35	
Cadmium	0.33 U	0.34	NC	35	U
Chromium	155	150.6	3	35	
Cobalt	36.3	27.58	27	35	
Copper	95.4	83.88	13	35	
Iron	41600	38620	7	35	
Potassium	854	820.2	4	35	
Magnesium	12700	12340	3	35	
Manganese	929	582.3	46	35	F3
Sodium	602	559.3	7	35	
Nickel	101	93.09	8	35	
Lead	10.3	9.09	12	35	
Antimony	0.44 U	0.44	NC	35	U
Selenium	0.41 U	0.42	NC	35	U
Thallium	0.16 U	0.17	NC	35	U
Vanadium	104	98.25	6	35	
Zinc	56.4	51.93	8	35	

Serial Dilution - Batch: 460-319429

Method: 6020A
Preparation: 3050B

Lab Sample ID: 460-99997-21
Client Matrix: Solid
Dilution: 100
Analysis Date: 08/30/2015 2310
Prep Date: 08/28/2015 0741
Leach Date: N/A

Analysis Batch: 460-319928
Prep Batch: 460-319429
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICPMS1
Lab File ID: 060SMPL.D
Initial Weight/Volume: 1.09 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Aluminum	25100	27670	10	10	
Silver	0.80 U	4.0	NC	10	U
Arsenic	2.8	2.78	NC	10	J
Barium	75.1	78.21	NC	10	
Beryllium	0.47	0.67	NC	10	U
Calcium	7240	7763	NC	10	
Cadmium	0.33 U	1.7	NC	10	U

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Serial Dilution - Batch: 460-319429

Method: 6020A

Preparation: 3050B

Lab Sample ID:	460-99997-21	Analysis Batch:	460-319928	Instrument ID:	ICPMS1
Client Matrix:	Solid	Prep Batch:	460-319429	Lab File ID:	060SMPL.D
Dilution:	100	Leach Batch:	N/A	Initial Weight/Volume:	1.09 g
Analysis Date:	08/30/2015 2310	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/28/2015 0741				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Chromium	155	163.2	NC	10	
Cobalt	36.3	39.22	NC	10	
Copper	95.4	103.6	NC	10	
Iron	41600	44320	6.5	10	
Potassium	854	904.3	NC	10	
Magnesium	12700	13990	NC	10	
Manganese	929	999.3	NC	10	
Sodium	602	575.6	NC	10	
Nickel	101	109.3	NC	10	
Lead	10.3	10.54	NC	10	
Antimony	0.44 U	2.2	NC	10	U
Selenium	0.41 U	2.0	NC	10	U
Thallium	0.16 U	0.82	NC	10	U
Vanadium	104	110.1	NC	10	
Zinc	56.4	61.17	NC	10	

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Method Blank - Batch: 460-319643

Method: 7471B
Preparation: 7471B

Lab Sample ID:	MB 460-319643/1-A	Analysis Batch:	460-319713	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-319643	Lab File ID:	319643hg1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/29/2015 1235	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/29/2015 0925				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.012	U	0.012	0.017

LCS-Certified Reference Material - Batch: 460-319643

Method: 7471B
Preparation: 7471B

Lab Sample ID:	LCSSRM 460-319643/2-A	Analysis Batch:	460-319713	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-319643	Lab File ID:	319643hg1.PRN
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/29/2015 1237	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/29/2015 0925				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	7.10	8.02	112.9	73.7 - 126.3	

Matrix Spike - Batch: 460-319643

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-99997-12	Analysis Batch:	460-319713	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-319643	Lab File ID:	319643hg1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/29/2015 1243	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/29/2015 0925				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.14	0.0994	0.243	108	75 - 125	

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Duplicate - Batch: 460-319643

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-99997-12	Analysis Batch:	460-319713	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-319643	Lab File ID:	319643hg1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/29/2015 1241	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/29/2015 0925				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	0.14	0.129	5	35	

Serial Dilution - Batch: 460-319643

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-99997-12	Analysis Batch:	460-319713	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-319643	Lab File ID:	319643hg1.PRN
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/29/2015 1245	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/29/2015 0925				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Mercury	0.14	0.150	NC		

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Method Blank - Batch: 460-319651

Method: 7471B
Preparation: 7471B

Lab Sample ID:	MB 460-319651/1-A	Analysis Batch:	460-319713	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-319651	Lab File ID:	319643hg1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/29/2015 1344	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/29/2015 1008				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.012	U	0.012	0.017

LCS-Certified Reference Material - Batch: 460-319651

Method: 7471B
Preparation: 7471B

Lab Sample ID:	LCSSRM 460-319651/2-A	Analysis Batch:	460-319713	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-319651	Lab File ID:	319643hg1.PRN
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/29/2015 1346	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/29/2015 1008				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	7.10	7.00	98.6	73.7 - 126.3	

Matrix Spike - Batch: 460-319651

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-100149-D-12-I MS	Analysis Batch:	460-319713	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-319651	Lab File ID:	319643hg1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/29/2015 1352	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/29/2015 1008				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.013 U	0.0903	0.0993	110	75 - 125	

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Duplicate - Batch: 460-319651

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-100149-D-12-H DU	Analysis Batch:	460-319713	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-319651	Lab File ID:	319643hg1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/29/2015 1351	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/29/2015 1008				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	0.013 U	0.013	NC	35	U

Serial Dilution - Batch: 460-319651

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-100149-D-12-G SD ^	Analysis Batch:	460-319713	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-319651	Lab File ID:	319643hg1.PRN
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/29/2015 1354	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/29/2015 1008				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Mercury	0.013 U	0.065	NC		U

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Duplicate - Batch: 460-318210

Method: Moisture Preparation: N/A

Lab Sample ID:	460-99997-6	Analysis Batch:	460-318210	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	08/22/2015 1103	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	15.6	16.9	8	20	
Percent Solids	84.4	83.1	1	20	

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Duplicate - Batch: 460-318213

Method: Moisture
Preparation: N/A

Lab Sample ID:	460-100045-A-1 DU	Analysis Batch:	460-318213	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	08/22/2015 1122	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	9.8	10.8	10	20	
Percent Solids	90.2	89.2	1	20	

DATA REPORTING QUALIFIERS

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Lab Section	Qualifier	Description
GC/MS Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	F1	MS and/or MSD Recovery is outside acceptance limits.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	F1	MS and/or MSD Recovery is outside acceptance limits.
	p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
Metals		
	F3	Duplicate RPD exceeds the control limit
	U	Indicates the analyte was analyzed for but not detected.
	F1	MS and/or MSD Recovery is outside acceptance limits.
	4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
	W	PS: Post-digestion spike was outside control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 460-318152					
LCS 460-318152/2-A	Lab Control Sample	T	Solid	3546	
MB 460-318152/1-A	Method Blank	T	Solid	3546	
460-99997-21	ES-21	T	Solid	3546	
460-99997-21MS	Matrix Spike	T	Solid	3546	
460-99997-21MSD	Matrix Spike Duplicate	T	Solid	3546	
460-99997-22	ES-22	T	Solid	3546	
Prep Batch: 460-318158					
LCS 460-318158/2-A	Lab Control Sample	T	Solid	3546	
MB 460-318158/1-A	Method Blank	T	Solid	3546	
460-99997-1	ES-1	T	Solid	3546	
460-99997-2	ES-2	T	Solid	3546	
460-99997-2MS	Matrix Spike	T	Solid	3546	
460-99997-2MSD	Matrix Spike Duplicate	T	Solid	3546	
460-99997-3	ES-3	T	Solid	3546	
460-99997-4	ES-4	T	Solid	3546	
460-99997-5	ES-5	T	Solid	3546	
460-99997-6	ES-6	T	Solid	3546	
460-99997-7	ES-7	T	Solid	3546	
460-99997-8	ES-8	T	Solid	3546	
460-99997-9	ES-9	T	Solid	3546	
460-99997-10	ES-10	T	Solid	3546	
460-99997-11	ES-11	T	Solid	3546	
460-99997-12	ES-12	T	Solid	3546	
460-99997-13	ES-13	T	Solid	3546	
460-99997-14	ES-14	T	Solid	3546	
460-99997-15	ES-15	T	Solid	3546	
460-99997-16	ES-16	T	Solid	3546	
460-99997-17	ES-17	T	Solid	3546	
460-99997-18	ES-18	T	Solid	3546	
460-99997-19	ES-19	T	Solid	3546	
460-99997-20	ES-20	T	Solid	3546	

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Analysis Batch:460-318190					
LCS 460-318152/2-A	Lab Control Sample	T	Solid	8270D	460-318152
LCS 460-318158/2-A	Lab Control Sample	T	Solid	8270D	460-318158
460-99997-1	ES-1	T	Solid	8270D	460-318158
460-99997-2	ES-2	T	Solid	8270D	460-318158
460-99997-4	ES-4	T	Solid	8270D	460-318158
460-99997-5	ES-5	T	Solid	8270D	460-318158
460-99997-6	ES-6	T	Solid	8270D	460-318158
460-99997-7	ES-7	T	Solid	8270D	460-318158
460-99997-8	ES-8	T	Solid	8270D	460-318158
460-99997-10	ES-10	T	Solid	8270D	460-318158
460-99997-11	ES-11	T	Solid	8270D	460-318158
460-99997-12	ES-12	T	Solid	8270D	460-318158
460-99997-13	ES-13	T	Solid	8270D	460-318158
460-99997-14	ES-14	T	Solid	8270D	460-318158
460-99997-15	ES-15	T	Solid	8270D	460-318158
460-99997-19	ES-19	T	Solid	8270D	460-318158
460-99997-20	ES-20	T	Solid	8270D	460-318158
Analysis Batch:460-318191					
MB 460-318152/1-A	Method Blank	T	Solid	8270D	460-318152
460-99997-21	ES-21	T	Solid	8270D	460-318152
460-99997-21MS	Matrix Spike	T	Solid	8270D	460-318152
460-99997-21MSD	Matrix Spike Duplicate	T	Solid	8270D	460-318152
460-99997-22	ES-22	T	Solid	8270D	460-318152
Analysis Batch:460-318357					
MB 460-318158/1-A	Method Blank	T	Solid	8270D	460-318158
460-99997-2MS	Matrix Spike	T	Solid	8270D	460-318158
460-99997-2MSD	Matrix Spike Duplicate	T	Solid	8270D	460-318158
460-99997-3	ES-3	T	Solid	8270D	460-318158
460-99997-9	ES-9	T	Solid	8270D	460-318158
460-99997-16	ES-16	T	Solid	8270D	460-318158
460-99997-18	ES-18	T	Solid	8270D	460-318158
Analysis Batch:460-318575					
460-99997-17	ES-17	T	Solid	8270D	460-318158

Report Basis

T = Total

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 460-318165					
LCS 460-318165/2-A	Lab Control Sample	T	Solid	3546	
MB 460-318165/1-A	Method Blank	T	Solid	3546	
460-99997-21	ES-21	T	Solid	3546	
460-99997-21MS	Matrix Spike	T	Solid	3546	
460-99997-21MSD	Matrix Spike Duplicate	T	Solid	3546	
460-99997-22	ES-22	T	Solid	3546	
Prep Batch: 460-318167					
LCS 460-318167/2-A	Lab Control Sample	T	Solid	3546	
MB 460-318167/1-A	Method Blank	T	Solid	3546	
460-99997-1	ES-1	T	Solid	3546	
460-99997-2	ES-2	T	Solid	3546	
460-99997-2MS	Matrix Spike	T	Solid	3546	
460-99997-2MSD	Matrix Spike Duplicate	T	Solid	3546	
460-99997-3	ES-3	T	Solid	3546	
460-99997-4	ES-4	T	Solid	3546	
460-99997-5	ES-5	T	Solid	3546	
460-99997-6	ES-6	T	Solid	3546	
460-99997-7	ES-7	T	Solid	3546	
460-99997-8	ES-8	T	Solid	3546	
460-99997-9	ES-9	T	Solid	3546	
460-99997-10	ES-10	T	Solid	3546	
460-99997-11	ES-11	T	Solid	3546	
460-99997-12	ES-12	T	Solid	3546	
460-99997-13	ES-13	T	Solid	3546	
460-99997-14	ES-14	T	Solid	3546	
460-99997-15	ES-15	T	Solid	3546	
460-99997-16	ES-16	T	Solid	3546	
460-99997-17	ES-17	T	Solid	3546	
460-99997-18	ES-18	T	Solid	3546	
460-99997-19	ES-19	T	Solid	3546	
460-99997-20	ES-20	T	Solid	3546	
Analysis Batch:460-318197					
LCS 460-318165/2-A	Lab Control Sample	T	Solid	8082A	460-318165
MB 460-318165/1-A	Method Blank	T	Solid	8082A	460-318165
460-99997-21	ES-21	T	Solid	8082A	460-318165
460-99997-21MS	Matrix Spike	T	Solid	8082A	460-318165
460-99997-21MSD	Matrix Spike Duplicate	T	Solid	8082A	460-318165
460-99997-22	ES-22	T	Solid	8082A	460-318165

TestAmerica Edison

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:460-318286					
LCS 460-318167/2-A	Lab Control Sample	T	Solid	8082A	460-318167
MB 460-318167/1-A	Method Blank	T	Solid	8082A	460-318167
460-99997-1	ES-1	T	Solid	8082A	460-318167
460-99997-2	ES-2	T	Solid	8082A	460-318167
460-99997-2MS	Matrix Spike	T	Solid	8082A	460-318167
460-99997-2MSD	Matrix Spike Duplicate	T	Solid	8082A	460-318167
460-99997-3	ES-3	T	Solid	8082A	460-318167
460-99997-4	ES-4	T	Solid	8082A	460-318167
460-99997-5	ES-5	T	Solid	8082A	460-318167
460-99997-6	ES-6	T	Solid	8082A	460-318167
460-99997-7	ES-7	T	Solid	8082A	460-318167
460-99997-8	ES-8	T	Solid	8082A	460-318167
460-99997-9	ES-9	T	Solid	8082A	460-318167
460-99997-10	ES-10	T	Solid	8082A	460-318167
460-99997-11	ES-11	T	Solid	8082A	460-318167
460-99997-12	ES-12	T	Solid	8082A	460-318167
460-99997-13	ES-13	T	Solid	8082A	460-318167
460-99997-14	ES-14	T	Solid	8082A	460-318167
460-99997-15	ES-15	T	Solid	8082A	460-318167
460-99997-16	ES-16	T	Solid	8082A	460-318167
460-99997-17	ES-17	T	Solid	8082A	460-318167
460-99997-18	ES-18	T	Solid	8082A	460-318167
460-99997-19	ES-19	T	Solid	8082A	460-318167
460-99997-20	ES-20	T	Solid	8082A	460-318167

Report Basis

T = Total

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-319427					
LCSSRM 460-319427/2-A ^10	LCS-Certified Reference Material	T	Solid	3050B	
MB 460-319427/1-A ^20	Method Blank	T	Solid	3050B	
460-99997-1	ES-1	T	Solid	3050B	
460-99997-2	ES-2	T	Solid	3050B	
460-99997-3	ES-3	T	Solid	3050B	
460-99997-4	ES-4	T	Solid	3050B	
460-99997-5	ES-5	T	Solid	3050B	
460-99997-6	ES-6	T	Solid	3050B	
460-99997-7	ES-7	T	Solid	3050B	
460-99997-8	ES-8	T	Solid	3050B	
460-99997-9	ES-9	T	Solid	3050B	
460-99997-10	ES-10	T	Solid	3050B	
460-99997-11	ES-11	T	Solid	3050B	
460-99997-12	ES-12	T	Solid	3050B	
460-99997-12DU	Duplicate	T	Solid	3050B	
460-99997-12MS	Matrix Spike	T	Solid	3050B	
460-99997-13	ES-13	T	Solid	3050B	
460-99997-14	ES-14	T	Solid	3050B	
460-99997-15	ES-15	T	Solid	3050B	
460-99997-16	ES-16	T	Solid	3050B	
460-99997-17	ES-17	T	Solid	3050B	
460-99997-18	ES-18	T	Solid	3050B	
460-99997-19	ES-19	T	Solid	3050B	
460-99997-20	ES-20	T	Solid	3050B	
Prep Batch: 460-319429					
LCSSRM 460-319429/2-A	LCS-Certified Reference Material	T	Solid	3050B	
MB 460-319429/1-A ^20	Method Blank	T	Solid	3050B	
460-99997-21	ES-21	T	Solid	3050B	
460-99997-21DU	Duplicate	T	Solid	3050B	
460-99997-21MS	Matrix Spike	T	Solid	3050B	
460-99997-22	ES-22	T	Solid	3050B	

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-319643					
LCSSRM 460-319643/2-A	^20LCS-Certified Reference Material	T	Solid	7471B	
MB 460-319643/1-A	Method Blank	T	Solid	7471B	
460-99997-1	ES-1	T	Solid	7471B	
460-99997-2	ES-2	T	Solid	7471B	
460-99997-3	ES-3	T	Solid	7471B	
460-99997-4	ES-4	T	Solid	7471B	
460-99997-5	ES-5	T	Solid	7471B	
460-99997-6	ES-6	T	Solid	7471B	
460-99997-7	ES-7	T	Solid	7471B	
460-99997-8	ES-8	T	Solid	7471B	
460-99997-9	ES-9	T	Solid	7471B	
460-99997-10	ES-10	T	Solid	7471B	
460-99997-11	ES-11	T	Solid	7471B	
460-99997-12	ES-12	T	Solid	7471B	
460-99997-12DU	Duplicate	T	Solid	7471B	
460-99997-12MS	Matrix Spike	T	Solid	7471B	
460-99997-13	ES-13	T	Solid	7471B	
460-99997-14	ES-14	T	Solid	7471B	
460-99997-15	ES-15	T	Solid	7471B	
460-99997-16	ES-16	T	Solid	7471B	
Prep Batch: 460-319651					
LCSSRM 460-319651/2-A	^20LCS-Certified Reference Material	T	Solid	7471B	
MB 460-319651/1-A	Method Blank	T	Solid	7471B	
460-99997-17	ES-17	T	Solid	7471B	
460-99997-18	ES-18	T	Solid	7471B	
460-99997-19	ES-19	T	Solid	7471B	
460-99997-20	ES-20	T	Solid	7471B	
460-99997-21	ES-21	T	Solid	7471B	
460-99997-22	ES-22	T	Solid	7471B	
460-100149-D-12-H DU	Duplicate	T	Solid	7471B	
460-100149-D-12-I MS	Matrix Spike	T	Solid	7471B	

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:460-319713					
LCSSRM 460-319643/2-A ^20LCS-Certified Reference Material		T	Solid	7471B	460-319643
MB 460-319643/1-A	Method Blank	T	Solid	7471B	460-319643
LCSSRM 460-319651/2-A ^20LCS-Certified Reference Material		T	Solid	7471B	460-319651
MB 460-319651/1-A	Method Blank	T	Solid	7471B	460-319651
460-99997-1	ES-1	T	Solid	7471B	460-319643
460-99997-2	ES-2	T	Solid	7471B	460-319643
460-99997-3	ES-3	T	Solid	7471B	460-319643
460-99997-4	ES-4	T	Solid	7471B	460-319643
460-99997-5	ES-5	T	Solid	7471B	460-319643
460-99997-6	ES-6	T	Solid	7471B	460-319643
460-99997-7	ES-7	T	Solid	7471B	460-319643
460-99997-8	ES-8	T	Solid	7471B	460-319643
460-99997-9	ES-9	T	Solid	7471B	460-319643
460-99997-10	ES-10	T	Solid	7471B	460-319643
460-99997-11	ES-11	T	Solid	7471B	460-319643
460-99997-12	ES-12	T	Solid	7471B	460-319643
460-99997-12DU	Duplicate	T	Solid	7471B	460-319643
460-99997-12MS	Matrix Spike	T	Solid	7471B	460-319643
460-99997-13	ES-13	T	Solid	7471B	460-319643
460-99997-14	ES-14	T	Solid	7471B	460-319643
460-99997-15	ES-15	T	Solid	7471B	460-319643
460-99997-16	ES-16	T	Solid	7471B	460-319643
460-99997-17	ES-17	T	Solid	7471B	460-319651
460-99997-18	ES-18	T	Solid	7471B	460-319651
460-99997-19	ES-19	T	Solid	7471B	460-319651
460-99997-20	ES-20	T	Solid	7471B	460-319651
460-99997-21	ES-21	T	Solid	7471B	460-319651
460-99997-22	ES-22	T	Solid	7471B	460-319651
460-100149-D-12-H DU	Duplicate	T	Solid	7471B	460-319651
460-100149-D-12-I MS	Matrix Spike	T	Solid	7471B	460-319651

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:460-319928					
LCSSRM 460-319427/2-A ^10	LCS-Certified Reference Material	T	Solid	6020A	460-319427
MB 460-319427/1-A ^20	Method Blank	T	Solid	6020A	460-319427
LCSSRM 460-319429/2-A	LCS-Certified Reference Material	T	Solid	6020A	460-319429
MB 460-319429/1-A ^20	Method Blank	T	Solid	6020A	460-319429
460-99997-1	ES-1	T	Solid	6020A	460-319427
460-99997-2	ES-2	T	Solid	6020A	460-319427
460-99997-3	ES-3	T	Solid	6020A	460-319427
460-99997-4	ES-4	T	Solid	6020A	460-319427
460-99997-5	ES-5	T	Solid	6020A	460-319427
460-99997-6	ES-6	T	Solid	6020A	460-319427
460-99997-7	ES-7	T	Solid	6020A	460-319427
460-99997-8	ES-8	T	Solid	6020A	460-319427
460-99997-9	ES-9	T	Solid	6020A	460-319427
460-99997-10	ES-10	T	Solid	6020A	460-319427
460-99997-11	ES-11	T	Solid	6020A	460-319427
460-99997-12	ES-12	T	Solid	6020A	460-319427
460-99997-12DU	Duplicate	T	Solid	6020A	460-319427
460-99997-12MS	Matrix Spike	T	Solid	6020A	460-319427
460-99997-13	ES-13	T	Solid	6020A	460-319427
460-99997-14	ES-14	T	Solid	6020A	460-319427
460-99997-15	ES-15	T	Solid	6020A	460-319427
460-99997-16	ES-16	T	Solid	6020A	460-319427
460-99997-17	ES-17	T	Solid	6020A	460-319427
460-99997-18	ES-18	T	Solid	6020A	460-319427
460-99997-19	ES-19	T	Solid	6020A	460-319427
460-99997-20	ES-20	T	Solid	6020A	460-319427
460-99997-21	ES-21	T	Solid	6020A	460-319429
460-99997-21DU	Duplicate	T	Solid	6020A	460-319429
460-99997-21MS	Matrix Spike	T	Solid	6020A	460-319429
460-99997-22	ES-22	T	Solid	6020A	460-319429

Report Basis

T = Total

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-318210					
460-99997-1	ES-1	T	Solid	Moisture	
460-99997-2	ES-2	T	Solid	Moisture	
460-99997-3	ES-3	T	Solid	Moisture	
460-99997-4	ES-4	T	Solid	Moisture	
460-99997-5	ES-5	T	Solid	Moisture	
460-99997-6	ES-6	T	Solid	Moisture	
460-99997-6DU	Duplicate	T	Solid	Moisture	
Analysis Batch:460-318213					
460-99997-7	ES-7	T	Solid	Moisture	
460-99997-8	ES-8	T	Solid	Moisture	
460-99997-9	ES-9	T	Solid	Moisture	
460-99997-10	ES-10	T	Solid	Moisture	
460-99997-11	ES-11	T	Solid	Moisture	
460-99997-12	ES-12	T	Solid	Moisture	
460-99997-13	ES-13	T	Solid	Moisture	
460-99997-14	ES-14	T	Solid	Moisture	
460-99997-15	ES-15	T	Solid	Moisture	
460-99997-16	ES-16	T	Solid	Moisture	
460-99997-17	ES-17	T	Solid	Moisture	
460-99997-18	ES-18	T	Solid	Moisture	
460-99997-19	ES-19	T	Solid	Moisture	
460-99997-20	ES-20	T	Solid	Moisture	
460-99997-21	ES-21	T	Solid	Moisture	
460-99997-22	ES-22	T	Solid	Moisture	
460-100045-A-1 DU	Duplicate	T	Solid	Moisture	

Report Basis

T = Total

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Laboratory Chronicle

Lab ID: 460-99997-1

Client ID: ES-1

Sample Date/Time: 08/20/2015 08:45 Received Date/Time: 08/21/2015 12:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-99997-E-1-A		460-318190	460-318158	08/21/2015 21:30	1	TAL EDI	JMS
A:8270D	460-99997-E-1-A		460-318190	460-318158	08/22/2015 12:35	1	TAL EDI	AAS
P:3546	460-99997-E-1-B		460-318286	460-318167	08/21/2015 22:24	1	TAL EDI	JMS
A:8082A	460-99997-E-1-B		460-318286	460-318167	08/23/2015 11:14	1	TAL EDI	JHP
P:3050B	460-99997-E-1-D ^20		460-319928	460-319427	08/28/2015 07:29	20	TAL EDI	MDC
A:6020A	460-99997-E-1-D ^20		460-319928	460-319427	08/30/2015 20:02	20	TAL EDI	VAD
P:7471B	460-99997-E-1-E		460-319713	460-319643	08/29/2015 09:25	1	TAL EDI	RBS
A:7471B	460-99997-E-1-E		460-319713	460-319643	08/29/2015 13:01	1	TAL EDI	RBS
A:Moisture	460-99997-E-1		460-318210		08/22/2015 11:03	1	TAL EDI	VMM

Lab ID: 460-99997-2

Client ID: ES-2

Sample Date/Time: 08/20/2015 09:01 Received Date/Time: 08/21/2015 12:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-99997-E-2-C		460-318190	460-318158	08/21/2015 21:30	1	TAL EDI	JMS
A:8270D	460-99997-E-2-C		460-318190	460-318158	08/22/2015 18:19	1	TAL EDI	AAS
P:3546	460-99997-E-2-F		460-318286	460-318167	08/21/2015 22:24	1	TAL EDI	JMS
A:8082A	460-99997-E-2-F		460-318286	460-318167	08/23/2015 10:30	1	TAL EDI	JHP
P:3050B	460-99997-E-2-J ^20		460-319928	460-319427	08/28/2015 07:29	20	TAL EDI	MDC
A:6020A	460-99997-E-2-J ^20		460-319928	460-319427	08/30/2015 20:07	20	TAL EDI	VAD
P:7471B	460-99997-E-2-K		460-319713	460-319643	08/29/2015 09:25	1	TAL EDI	RBS
A:7471B	460-99997-E-2-K		460-319713	460-319643	08/29/2015 13:04	1	TAL EDI	RBS
A:Moisture	460-99997-E-2		460-318210		08/22/2015 11:03	1	TAL EDI	VMM

Lab ID: 460-99997-2 MS

Client ID: ES-2

Sample Date/Time: 08/20/2015 09:01 Received Date/Time: 08/21/2015 12:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-99997-E-2-A MS		460-318357	460-318158	08/21/2015 21:30	1	TAL EDI	JMS
A:8270D	460-99997-E-2-A MS		460-318357	460-318158	08/24/2015 13:20	1	TAL EDI	AAS
P:3546	460-99997-E-2-D MS		460-318286	460-318167	08/21/2015 22:24	1	TAL EDI	JMS
A:8082A	460-99997-E-2-D MS		460-318286	460-318167	08/23/2015 10:45	1	TAL EDI	JHP

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Laboratory Chronicle

Lab ID: 460-99997-2 MSD

Client ID: ES-2

Sample Date/Time: 08/20/2015 09:01 Received Date/Time: 08/21/2015 12:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-99997-E-2-B MSD		460-318357	460-318158	08/21/2015 21:30	1	TAL EDI	JMS
A:8270D	460-99997-E-2-B MSD		460-318357	460-318158	08/24/2015 13:43	1	TAL EDI	AAS
P:3546	460-99997-E-2-E MSD		460-318286	460-318167	08/21/2015 22:24	1	TAL EDI	JMS
A:8082A	460-99997-E-2-E MSD		460-318286	460-318167	08/23/2015 10:59	1	TAL EDI	JHP

Lab ID: 460-99997-3

Client ID: ES-3

Sample Date/Time: 08/20/2015 09:25 Received Date/Time: 08/21/2015 12:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-99997-E-3-A		460-318357	460-318158	08/21/2015 21:30	2	TAL EDI	JMS
A:8270D	460-99997-E-3-A		460-318357	460-318158	08/24/2015 12:57	2	TAL EDI	AAS
P:3546	460-99997-E-3-B		460-318286	460-318167	08/21/2015 22:24	1	TAL EDI	JMS
A:8082A	460-99997-E-3-B		460-318286	460-318167	08/23/2015 11:29	1	TAL EDI	JHP
P:3050B	460-99997-E-3-D ^20		460-319928	460-319427	08/28/2015 07:29	20	TAL EDI	MDC
A:6020A	460-99997-E-3-D ^20		460-319928	460-319427	08/30/2015 20:29	20	TAL EDI	VAD
P:7471B	460-99997-E-3-E		460-319713	460-319643	08/29/2015 09:25	1	TAL EDI	RBS
A:7471B	460-99997-E-3-E		460-319713	460-319643	08/29/2015 13:06	1	TAL EDI	RBS
A:Moisture	460-99997-E-3		460-318210		08/22/2015 11:03	1	TAL EDI	VMM

Lab ID: 460-99997-4

Client ID: ES-4

Sample Date/Time: 08/20/2015 09:37 Received Date/Time: 08/21/2015 12:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-99997-E-4-A		460-318190	460-318158	08/21/2015 21:30	1	TAL EDI	JMS
A:8270D	460-99997-E-4-A		460-318190	460-318158	08/22/2015 12:59	1	TAL EDI	AAS
P:3546	460-99997-E-4-B		460-318286	460-318167	08/21/2015 22:24	1	TAL EDI	JMS
A:8082A	460-99997-E-4-B		460-318286	460-318167	08/23/2015 11:43	1	TAL EDI	JHP
P:3050B	460-99997-E-4-D ^20		460-319928	460-319427	08/28/2015 07:29	20	TAL EDI	MDC
A:6020A	460-99997-E-4-D ^20		460-319928	460-319427	08/30/2015 20:34	20	TAL EDI	VAD
P:7471B	460-99997-E-4-E		460-319713	460-319643	08/29/2015 09:25	1	TAL EDI	RBS
A:7471B	460-99997-E-4-E		460-319713	460-319643	08/29/2015 13:08	1	TAL EDI	RBS
A:Moisture	460-99997-E-4		460-318210		08/22/2015 11:03	1	TAL EDI	VMM

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Laboratory Chronicle

Lab ID: 460-99997-5

Client ID: ES-5

Sample Date/Time: 08/20/2015 09:57 Received Date/Time: 08/21/2015 12:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-99997-E-5-A		460-318190	460-318158	08/21/2015 21:30	1	TAL EDI	JMS
A:8270D	460-99997-E-5-A		460-318190	460-318158	08/22/2015 13:22	1	TAL EDI	AAS
P:3546	460-99997-E-5-B		460-318286	460-318167	08/21/2015 22:24	1	TAL EDI	JMS
A:8082A	460-99997-E-5-B		460-318286	460-318167	08/23/2015 11:58	1	TAL EDI	JHP
P:3050B	460-99997-E-5-D ^20		460-319928	460-319427	08/28/2015 07:29	20	TAL EDI	MDC
A:6020A	460-99997-E-5-D ^20		460-319928	460-319427	08/30/2015 20:39	20	TAL EDI	VAD
P:7471B	460-99997-E-5-E		460-319713	460-319643	08/29/2015 09:25	1	TAL EDI	RBS
A:7471B	460-99997-E-5-E		460-319713	460-319643	08/29/2015 13:10	1	TAL EDI	RBS
A:Moisture	460-99997-E-5		460-318210		08/22/2015 11:03	1	TAL EDI	VMM

Lab ID: 460-99997-6

Client ID: ES-6

Sample Date/Time: 08/20/2015 10:10 Received Date/Time: 08/21/2015 12:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-99997-E-6-A		460-318190	460-318158	08/21/2015 21:30	1	TAL EDI	JMS
A:8270D	460-99997-E-6-A		460-318190	460-318158	08/22/2015 14:30	1	TAL EDI	AAS
P:3546	460-99997-E-6-B		460-318286	460-318167	08/21/2015 22:24	1	TAL EDI	JMS
A:8082A	460-99997-E-6-B		460-318286	460-318167	08/23/2015 12:12	1	TAL EDI	JHP
P:3050B	460-99997-E-6-D ^20		460-319928	460-319427	08/28/2015 07:29	20	TAL EDI	MDC
A:6020A	460-99997-E-6-D ^20		460-319928	460-319427	08/30/2015 20:45	20	TAL EDI	VAD
P:7471B	460-99997-E-6-E		460-319713	460-319643	08/29/2015 09:25	1	TAL EDI	RBS
A:7471B	460-99997-E-6-E		460-319713	460-319643	08/29/2015 13:11	1	TAL EDI	RBS
A:Moisture	460-99997-E-6		460-318210		08/22/2015 11:03	1	TAL EDI	VMM

Lab ID: 460-99997-6 DU

Client ID: ES-6

Sample Date/Time: 08/20/2015 10:10 Received Date/Time: 08/21/2015 12:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-99997-E-6 DU		460-318210		08/22/2015 11:03	1	TAL EDI	VMM

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Laboratory Chronicle

Lab ID: 460-99997-7

Client ID: ES-7

Sample Date/Time: 08/20/2015 10:35 Received Date/Time: 08/21/2015 12:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-99997-E-7-A		460-318190	460-318158	08/21/2015 21:30	1	TAL EDI	JMS
A:8270D	460-99997-E-7-A		460-318190	460-318158	08/22/2015 16:48	1	TAL EDI	AAS
P:3546	460-99997-E-7-B		460-318286	460-318167	08/21/2015 22:24	1	TAL EDI	JMS
A:8082A	460-99997-E-7-B		460-318286	460-318167	08/23/2015 12:27	1	TAL EDI	JHP
P:3050B	460-99997-E-7-D ^20		460-319928	460-319427	08/28/2015 07:29	20	TAL EDI	MDC
A:6020A	460-99997-E-7-D ^20		460-319928	460-319427	08/30/2015 20:50	20	TAL EDI	VAD
P:7471B	460-99997-E-7-E		460-319713	460-319643	08/29/2015 09:25	1	TAL EDI	RBS
A:7471B	460-99997-E-7-E		460-319713	460-319643	08/29/2015 13:14	1	TAL EDI	RBS
A:Moisture	460-99997-E-7		460-318213		08/22/2015 11:22	1	TAL EDI	VMM

Lab ID: 460-99997-8

Client ID: ES-8

Sample Date/Time: 08/20/2015 10:58 Received Date/Time: 08/21/2015 12:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-99997-E-8-A		460-318190	460-318158	08/21/2015 21:30	1	TAL EDI	JMS
A:8270D	460-99997-E-8-A		460-318190	460-318158	08/22/2015 14:07	1	TAL EDI	AAS
P:3546	460-99997-E-8-B		460-318286	460-318167	08/21/2015 22:24	1	TAL EDI	JMS
A:8082A	460-99997-E-8-B		460-318286	460-318167	08/23/2015 12:41	1	TAL EDI	JHP
P:3050B	460-99997-E-8-D ^20		460-319928	460-319427	08/28/2015 07:29	20	TAL EDI	MDC
A:6020A	460-99997-E-8-D ^20		460-319928	460-319427	08/30/2015 20:56	20	TAL EDI	VAD
P:7471B	460-99997-E-8-E		460-319713	460-319643	08/29/2015 09:25	1	TAL EDI	RBS
A:7471B	460-99997-E-8-E		460-319713	460-319643	08/29/2015 13:16	1	TAL EDI	RBS
A:Moisture	460-99997-E-8		460-318213		08/22/2015 11:22	1	TAL EDI	VMM

Lab ID: 460-99997-9

Client ID: ES-9

Sample Date/Time: 08/20/2015 11:20 Received Date/Time: 08/21/2015 12:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-99997-E-9-A		460-318357	460-318158	08/21/2015 21:30	2	TAL EDI	JMS
A:8270D	460-99997-E-9-A		460-318357	460-318158	08/24/2015 11:48	2	TAL EDI	AAS
P:3546	460-99997-E-9-B		460-318286	460-318167	08/21/2015 22:24	1	TAL EDI	JMS
A:8082A	460-99997-E-9-B		460-318286	460-318167	08/23/2015 12:56	1	TAL EDI	JHP
P:3050B	460-99997-E-9-D ^20		460-319928	460-319427	08/28/2015 07:29	20	TAL EDI	MDC
A:6020A	460-99997-E-9-D ^20		460-319928	460-319427	08/30/2015 21:01	20	TAL EDI	VAD
P:7471B	460-99997-E-9-E		460-319713	460-319643	08/29/2015 09:25	1	TAL EDI	RBS
A:7471B	460-99997-E-9-E		460-319713	460-319643	08/29/2015 13:23	1	TAL EDI	RBS
A:Moisture	460-99997-E-9		460-318213		08/22/2015 11:22	1	TAL EDI	VMM

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Laboratory Chronicle

Lab ID: 460-99997-10

Client ID: ES-10

Sample Date/Time: 08/20/2015 11:35 Received Date/Time: 08/21/2015 12:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-99997-E-10-A		460-318190	460-318158	08/21/2015 21:30	1	TAL EDI	JMS
A:8270D	460-99997-E-10-A		460-318190	460-318158	08/22/2015 11:27	1	TAL EDI	AAS
P:3546	460-99997-E-10-B		460-318286	460-318167	08/21/2015 22:24	1	TAL EDI	JMS
A:8082A	460-99997-E-10-B		460-318286	460-318167	08/23/2015 13:10	1	TAL EDI	JHP
P:3050B	460-99997-E-10-D		460-319928	460-319427	08/28/2015 07:29	20	TAL EDI	MDC
A:6020A	460-99997-E-10-D ^20		460-319928	460-319427	08/30/2015 21:06	20	TAL EDI	VAD
P:7471B	460-99997-E-10-E		460-319713	460-319643	08/29/2015 09:25	1	TAL EDI	RBS
A:7471B	460-99997-E-10-E		460-319713	460-319643	08/29/2015 13:25	1	TAL EDI	RBS
A:Moisture	460-99997-E-10		460-318213		08/22/2015 11:22	1	TAL EDI	VMM

Lab ID: 460-99997-11

Client ID: ES-11

Sample Date/Time: 08/20/2015 11:58 Received Date/Time: 08/21/2015 12:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-99997-E-11-A		460-318190	460-318158	08/21/2015 21:30	1	TAL EDI	JMS
A:8270D	460-99997-E-11-A		460-318190	460-318158	08/22/2015 17:10	1	TAL EDI	AAS
P:3546	460-99997-E-11-B		460-318286	460-318167	08/21/2015 22:24	1	TAL EDI	JMS
A:8082A	460-99997-E-11-B		460-318286	460-318167	08/23/2015 13:25	1	TAL EDI	JHP
P:3050B	460-99997-E-11-D		460-319928	460-319427	08/28/2015 07:29	20	TAL EDI	MDC
A:6020A	460-99997-E-11-D ^20		460-319928	460-319427	08/30/2015 21:12	20	TAL EDI	VAD
P:7471B	460-99997-E-11-E		460-319713	460-319643	08/29/2015 09:25	1	TAL EDI	RBS
A:7471B	460-99997-E-11-E		460-319713	460-319643	08/29/2015 13:28	1	TAL EDI	RBS
A:Moisture	460-99997-E-11		460-318213		08/22/2015 11:22	1	TAL EDI	VMM

Lab ID: 460-99997-12

Client ID: ES-12

Sample Date/Time: 08/20/2015 12:30 Received Date/Time: 08/21/2015 12:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-99997-E-12-A		460-318190	460-318158	08/21/2015 21:30	1	TAL EDI	JMS
A:8270D	460-99997-E-12-A		460-318190	460-318158	08/22/2015 14:53	1	TAL EDI	AAS
P:3546	460-99997-E-12-B		460-318286	460-318167	08/21/2015 22:24	1	TAL EDI	JMS
A:8082A	460-99997-E-12-B		460-318286	460-318167	08/23/2015 13:39	1	TAL EDI	JHP
P:3050B	460-99997-E-12-D		460-319928	460-319427	08/28/2015 07:29	20	TAL EDI	MDC
A:6020A	460-99997-E-12-D ^20		460-319928	460-319427	08/30/2015 19:51	20	TAL EDI	VAD
P:7471B	460-99997-E-12-G		460-319713	460-319643	08/29/2015 09:25	1	TAL EDI	RBS
A:7471B	460-99997-E-12-G		460-319713	460-319643	08/29/2015 12:39	1	TAL EDI	RBS
A:Moisture	460-99997-E-12		460-318213		08/22/2015 11:22	1	TAL EDI	VMM

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Laboratory Chronicle

Lab ID: 460-99997-12 MS

Client ID: ES-12

Sample Date/Time: 08/20/2015 12:30 Received Date/Time: 08/21/2015 12:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-99997-E-12-F MS ^20		460-319928	460-319427	08/28/2015 07:29	20	TAL EDI	MDC
A:6020A	460-99997-E-12-F MS ^20		460-319928	460-319427	08/30/2015 19:40	20	TAL EDI	VAD
P:7471B	460-99997-E-12-I MS		460-319713	460-319643	08/29/2015 09:25	1	TAL EDI	RBS
A:7471B	460-99997-E-12-I MS		460-319713	460-319643	08/29/2015 12:43	1	TAL EDI	RBS

Lab ID: 460-99997-12 DU

Client ID: ES-12

Sample Date/Time: 08/20/2015 12:30 Received Date/Time: 08/21/2015 12:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-99997-E-12-E DU ^20		460-319928	460-319427	08/28/2015 07:29	20	TAL EDI	MDC
A:6020A	460-99997-E-12-E DU ^20		460-319928	460-319427	08/30/2015 19:46	20	TAL EDI	VAD
P:7471B	460-99997-E-12-H DU		460-319713	460-319643	08/29/2015 09:25	1	TAL EDI	RBS
A:7471B	460-99997-E-12-H DU		460-319713	460-319643	08/29/2015 12:41	1	TAL EDI	RBS

Lab ID: 460-99997-12 PDS

Client ID: ES-12

Sample Date/Time: 08/20/2015 12:30 Received Date/Time: 08/21/2015 12:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-99997-E-12-D PDS ^20		460-319928	460-319427	08/28/2015 07:29	20	TAL EDI	MDC
A:6020A	460-99997-E-12-D PDS ^20		460-319928	460-319427	08/30/2015 19:32	20	TAL EDI	VAD
P:3050B	460-99997-E-12-D SD ^100		460-319928	460-319427	08/28/2015 07:29	100	TAL EDI	MDC
A:6020A	460-99997-E-12-D SD ^100		460-319928	460-319427	08/30/2015 19:56	100	TAL EDI	VAD
P:7471B	460-99997-E-12-G SD ^5		460-319713	460-319643	08/29/2015 09:25	5	TAL EDI	RBS
A:7471B	460-99997-E-12-G SD ^5		460-319713	460-319643	08/29/2015 12:45	5	TAL EDI	RBS

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Laboratory Chronicle

Lab ID: 460-99997-13

Client ID: ES-13

Sample Date/Time: 08/20/2015 12:39 Received Date/Time: 08/21/2015 12:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-99997-E-13-A		460-318190	460-318158	08/21/2015 21:30	1	TAL EDI	JMS
A:8270D	460-99997-E-13-A		460-318190	460-318158	08/22/2015 12:13	1	TAL EDI	AAS
P:3546	460-99997-E-13-B		460-318286	460-318167	08/21/2015 22:24	1	TAL EDI	JMS
A:8082A	460-99997-E-13-B		460-318286	460-318167	08/23/2015 13:54	1	TAL EDI	JHP
P:3050B	460-99997-E-13-D		460-319928	460-319427	08/28/2015 07:29	20	TAL EDI	MDC
A:6020A	460-99997-E-13-D ^20		460-319928	460-319427	08/30/2015 21:38	20	TAL EDI	VAD
P:7471B	460-99997-E-13-E		460-319713	460-319643	08/29/2015 09:25	1	TAL EDI	RBS
A:7471B	460-99997-E-13-E		460-319713	460-319643	08/29/2015 13:30	1	TAL EDI	RBS
A:Moisture	460-99997-E-13		460-318213		08/22/2015 11:22	1	TAL EDI	VMM

Lab ID: 460-99997-14

Client ID: ES-14

Sample Date/Time: 08/20/2015 12:51 Received Date/Time: 08/21/2015 12:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-99997-E-14-A		460-318190	460-318158	08/21/2015 21:30	1	TAL EDI	JMS
A:8270D	460-99997-E-14-A		460-318190	460-318158	08/22/2015 17:56	1	TAL EDI	AAS
P:3546	460-99997-E-14-B		460-318286	460-318167	08/21/2015 22:24	1	TAL EDI	JMS
A:8082A	460-99997-E-14-B		460-318286	460-318167	08/23/2015 14:08	1	TAL EDI	JHP
P:3050B	460-99997-E-14-D		460-319928	460-319427	08/28/2015 07:29	20	TAL EDI	MDC
A:6020A	460-99997-E-14-D ^20		460-319928	460-319427	08/30/2015 21:44	20	TAL EDI	VAD
P:7471B	460-99997-E-14-E		460-319713	460-319643	08/29/2015 09:25	1	TAL EDI	RBS
A:7471B	460-99997-E-14-E		460-319713	460-319643	08/29/2015 13:34	1	TAL EDI	RBS
A:Moisture	460-99997-E-14		460-318213		08/22/2015 11:22	1	TAL EDI	VMM

Lab ID: 460-99997-15

Client ID: ES-15

Sample Date/Time: 08/20/2015 13:20 Received Date/Time: 08/21/2015 12:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-99997-E-15-A		460-318190	460-318158	08/21/2015 21:30	1	TAL EDI	JMS
A:8270D	460-99997-E-15-A		460-318190	460-318158	08/22/2015 11:50	1	TAL EDI	AAS
P:3546	460-99997-E-15-B		460-318286	460-318167	08/21/2015 22:24	1	TAL EDI	JMS
A:8082A	460-99997-E-15-B		460-318286	460-318167	08/23/2015 14:23	1	TAL EDI	JHP
P:3050B	460-99997-E-15-D		460-319928	460-319427	08/28/2015 07:29	20	TAL EDI	MDC
A:6020A	460-99997-E-15-D ^20		460-319928	460-319427	08/30/2015 21:49	20	TAL EDI	VAD
P:7471B	460-99997-E-15-E		460-319713	460-319643	08/29/2015 09:25	1	TAL EDI	RBS
A:7471B	460-99997-E-15-E		460-319713	460-319643	08/29/2015 13:36	1	TAL EDI	RBS
A:Moisture	460-99997-E-15		460-318213		08/22/2015 11:22	1	TAL EDI	VMM

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Laboratory Chronicle

Lab ID: 460-99997-16

Client ID: ES-16

Sample Date/Time: 08/20/2015 13:37 Received Date/Time: 08/21/2015 12:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-99997-E-16-A		460-318357	460-318158	08/21/2015 21:30	5	TAL EDI	JMS
A:8270D	460-99997-E-16-A		460-318357	460-318158	08/24/2015 14:06	5	TAL EDI	AAS
P:3546	460-99997-E-16-B		460-318286	460-318167	08/21/2015 22:24	1	TAL EDI	JMS
A:8082A	460-99997-E-16-B		460-318286	460-318167	08/23/2015 14:37	1	TAL EDI	JHP
P:3050B	460-99997-E-16-D		460-319928	460-319427	08/28/2015 07:29	20	TAL EDI	MDC
A:6020A	460-99997-E-16-D ^20		460-319928	460-319427	08/30/2015 21:55	20	TAL EDI	VAD
P:7471B	460-99997-E-16-E		460-319713	460-319643	08/29/2015 09:25	1	TAL EDI	RBS
A:7471B	460-99997-E-16-E		460-319713	460-319643	08/29/2015 13:39	1	TAL EDI	RBS
A:Moisture	460-99997-E-16		460-318213		08/22/2015 11:22	1	TAL EDI	VMM

Lab ID: 460-99997-17

Client ID: ES-17

Sample Date/Time: 08/20/2015 13:53 Received Date/Time: 08/21/2015 12:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-99997-E-17-A		460-318575	460-318158	08/21/2015 21:30	2	TAL EDI	JMS
A:8270D	460-99997-E-17-A		460-318575	460-318158	08/25/2015 07:45	2	TAL EDI	AAS
P:3546	460-99997-E-17-B		460-318286	460-318167	08/21/2015 22:24	1	TAL EDI	JMS
A:8082A	460-99997-E-17-B		460-318286	460-318167	08/23/2015 14:52	1	TAL EDI	JHP
P:3050B	460-99997-E-17-D		460-319928	460-319427	08/28/2015 07:29	20	TAL EDI	MDC
A:6020A	460-99997-E-17-D ^20		460-319928	460-319427	08/30/2015 22:00	20	TAL EDI	VAD
P:7471B	460-99997-E-17-E		460-319713	460-319651	08/29/2015 10:08	1	TAL EDI	RBS
A:7471B	460-99997-E-17-E		460-319713	460-319651	08/29/2015 13:57	1	TAL EDI	RBS
A:Moisture	460-99997-E-17		460-318213		08/22/2015 11:22	1	TAL EDI	VMM

Lab ID: 460-99997-18

Client ID: ES-18

Sample Date/Time: 08/20/2015 14:20 Received Date/Time: 08/21/2015 12:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-99997-E-18-A		460-318357	460-318158	08/21/2015 21:30	2	TAL EDI	JMS
A:8270D	460-99997-E-18-A		460-318357	460-318158	08/24/2015 12:11	2	TAL EDI	AAS
P:3546	460-99997-E-18-B		460-318286	460-318167	08/21/2015 22:24	1	TAL EDI	JMS
A:8082A	460-99997-E-18-B		460-318286	460-318167	08/23/2015 15:06	1	TAL EDI	JHP
P:3050B	460-99997-E-18-D		460-319928	460-319427	08/28/2015 07:29	20	TAL EDI	MDC
A:6020A	460-99997-E-18-D ^20		460-319928	460-319427	08/30/2015 22:05	20	TAL EDI	VAD
P:7471B	460-99997-E-18-E		460-319713	460-319651	08/29/2015 10:08	1	TAL EDI	RBS
A:7471B	460-99997-E-18-E		460-319713	460-319651	08/29/2015 14:00	1	TAL EDI	RBS
A:Moisture	460-99997-E-18		460-318213		08/22/2015 11:22	1	TAL EDI	VMM

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Laboratory Chronicle

Lab ID: 460-99997-19

Client ID: ES-19

Sample Date/Time: 08/20/2015 14:37 Received Date/Time: 08/21/2015 12:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-99997-E-19-A		460-318190	460-318158	08/21/2015 21:30	5	TAL EDI	JMS
A:8270D	460-99997-E-19-A		460-318190	460-318158	08/22/2015 16:02	5	TAL EDI	AAS
P:3546	460-99997-E-19-B		460-318286	460-318167	08/21/2015 22:24	1	TAL EDI	JMS
A:8082A	460-99997-E-19-B		460-318286	460-318167	08/23/2015 15:21	1	TAL EDI	JHP
P:3050B	460-99997-E-19-D		460-319928	460-319427	08/28/2015 07:29	20	TAL EDI	MDC
A:6020A	460-99997-E-19-D ^20		460-319928	460-319427	08/30/2015 22:11	20	TAL EDI	VAD
P:7471B	460-99997-E-19-E		460-319713	460-319651	08/29/2015 10:08	1	TAL EDI	RBS
A:7471B	460-99997-E-19-E		460-319713	460-319651	08/29/2015 14:05	1	TAL EDI	RBS
A:Moisture	460-99997-E-19		460-318213		08/22/2015 11:22	1	TAL EDI	VMM

Lab ID: 460-99997-20

Client ID: ES-20

Sample Date/Time: 08/20/2015 14:50 Received Date/Time: 08/21/2015 12:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-99997-E-20-A		460-318190	460-318158	08/21/2015 21:30	1	TAL EDI	JMS
A:8270D	460-99997-E-20-A		460-318190	460-318158	08/22/2015 15:16	1	TAL EDI	AAS
P:3546	460-99997-E-20-B		460-318286	460-318167	08/21/2015 22:24	1	TAL EDI	JMS
A:8082A	460-99997-E-20-B		460-318286	460-318167	08/23/2015 15:35	1	TAL EDI	JHP
P:3050B	460-99997-E-20-D		460-319928	460-319427	08/28/2015 07:29	20	TAL EDI	MDC
A:6020A	460-99997-E-20-D ^20		460-319928	460-319427	08/30/2015 22:16	20	TAL EDI	VAD
P:7471B	460-99997-E-20-E		460-319713	460-319651	08/29/2015 10:08	1	TAL EDI	RBS
A:7471B	460-99997-E-20-E		460-319713	460-319651	08/29/2015 14:07	1	TAL EDI	RBS
A:Moisture	460-99997-E-20		460-318213		08/22/2015 11:22	1	TAL EDI	VMM

Lab ID: 460-99997-21

Client ID: ES-21

Sample Date/Time: 08/20/2015 15:37 Received Date/Time: 08/21/2015 12:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-99997-E-21-C		460-318191	460-318152	08/21/2015 19:43	1	TAL EDI	JMS
A:8270D	460-99997-E-21-C		460-318191	460-318152	08/22/2015 11:34	1	TAL EDI	MMC
P:3546	460-99997-E-21-G		460-318197	460-318165	08/21/2015 22:18	1	TAL EDI	JMS
A:8082A	460-99997-E-21-G		460-318197	460-318165	08/22/2015 10:26	1	TAL EDI	MJA
P:3050B	460-99997-E-21-H		460-319928	460-319429	08/28/2015 07:41	20	TAL EDI	MDC
A:6020A	460-99997-E-21-H ^20		460-319928	460-319429	08/30/2015 23:04	20	TAL EDI	VAD
P:7471B	460-99997-E-21-K		460-319713	460-319651	08/29/2015 10:08	1	TAL EDI	RBS
A:7471B	460-99997-E-21-K		460-319713	460-319651	08/29/2015 14:10	1	TAL EDI	RBS
A:Moisture	460-99997-E-21		460-318213		08/22/2015 11:22	1	TAL EDI	VMM

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Laboratory Chronicle

Lab ID: 460-99997-21 MS

Client ID: ES-21

Sample Date/Time: 08/20/2015 15:37 Received Date/Time: 08/21/2015 12:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-99997-E-21-A MS		460-318191	460-318152	08/21/2015 19:43	1	TAL EDI	JMS
A:8270D	460-99997-E-21-A MS		460-318191	460-318152	08/22/2015 11:58	1	TAL EDI	MMC
P:3546	460-99997-E-21-E MS		460-318197	460-318165	08/21/2015 22:18	1	TAL EDI	JMS
A:8082A	460-99997-E-21-E MS		460-318197	460-318165	08/22/2015 10:41	1	TAL EDI	MJA
P:3050B	460-99997-E-21-J MS ^20		460-319928	460-319429	08/28/2015 07:41	20	TAL EDI	MDC
A:6020A	460-99997-E-21-J MS ^20		460-319928	460-319429	08/30/2015 22:54	20	TAL EDI	VAD

Lab ID: 460-99997-21 MSD

Client ID: ES-21

Sample Date/Time: 08/20/2015 15:37 Received Date/Time: 08/21/2015 12:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-99997-E-21-B MSD		460-318191	460-318152	08/21/2015 19:43	1	TAL EDI	JMS
A:8270D	460-99997-E-21-B MSD		460-318191	460-318152	08/22/2015 12:22	1	TAL EDI	MMC
P:3546	460-99997-E-21-F MSD		460-318197	460-318165	08/21/2015 22:18	1	TAL EDI	JMS
A:8082A	460-99997-E-21-F MSD		460-318197	460-318165	08/22/2015 10:55	1	TAL EDI	MJA

Lab ID: 460-99997-21 DU

Client ID: ES-21

Sample Date/Time: 08/20/2015 15:37 Received Date/Time: 08/21/2015 12:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-99997-E-21-I DU ^20		460-319928	460-319429	08/28/2015 07:41	20	TAL EDI	MDC
A:6020A	460-99997-E-21-I DU ^20		460-319928	460-319429	08/30/2015 22:59	20	TAL EDI	VAD

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Laboratory Chronicle

Lab ID: 460-99997-21 PDS

Client ID: ES-21

Sample Date/Time: 08/20/2015 15:37 Received Date/Time: 08/21/2015 12:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-99997-E-21-H PDS ^20		460-319928	460-319429	08/28/2015 07:41	20	TAL EDI	MDC
A:6020A	460-99997-E-21-H PDS ^20		460-319928	460-319429	08/30/2015 22:48	20	TAL EDI	VAD
P:3050B	460-99997-E-21-H SD ^100		460-319928	460-319429	08/28/2015 07:41	100	TAL EDI	MDC
A:6020A	460-99997-E-21-H SD ^100		460-319928	460-319429	08/30/2015 23:10	100	TAL EDI	VAD

Lab ID: 460-99997-22

Client ID: ES-22

Sample Date/Time: 08/20/2015 16:01 Received Date/Time: 08/21/2015 12:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-99997-E-22-A		460-318191	460-318152	08/21/2015 19:43	1	TAL EDI	JMS
A:8270D	460-99997-E-22-A		460-318191	460-318152	08/22/2015 12:46	1	TAL EDI	MMC
P:3546	460-99997-E-22-C		460-318197	460-318165	08/21/2015 22:18	1	TAL EDI	JMS
A:8082A	460-99997-E-22-C		460-318197	460-318165	08/22/2015 11:10	1	TAL EDI	MJA
P:3050B	460-99997-E-22-D ^20		460-319928	460-319429	08/28/2015 07:41	20	TAL EDI	MDC
A:6020A	460-99997-E-22-D ^20		460-319928	460-319429	08/30/2015 23:15	20	TAL EDI	VAD
P:7471B	460-99997-E-22-E		460-319713	460-319651	08/29/2015 10:08	1	TAL EDI	RBS
A:7471B	460-99997-E-22-E		460-319713	460-319651	08/29/2015 14:12	1	TAL EDI	RBS
A:Moisture	460-99997-E-22		460-318213		08/22/2015 11:22	1	TAL EDI	VMM

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Laboratory Chronicle

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	MB 460-318152/1-A		460-318191	460-318152	08/21/2015 19:43	1	TAL EDI	JMS
A:8270D	MB 460-318152/1-A		460-318191	460-318152	08/22/2015 09:34	1	TAL EDI	MMC
P:3546	MB 460-318158/1-A		460-318357	460-318158	08/21/2015 21:30	1	TAL EDI	JMS
A:8270D	MB 460-318158/1-A		460-318357	460-318158	08/24/2015 11:25	1	TAL EDI	AAS
P:3546	MB 460-318165/1-A		460-318197	460-318165	08/21/2015 22:18	1	TAL EDI	JMS
A:8082A	MB 460-318165/1-A		460-318197	460-318165	08/22/2015 09:28	1	TAL EDI	MJA
P:3546	MB 460-318167/1-A		460-318286	460-318167	08/21/2015 22:24	1	TAL EDI	JMS
A:8082A	MB 460-318167/1-A		460-318286	460-318167	08/23/2015 10:01	1	TAL EDI	JHP
P:3050B	MB 460-319427/1-A		460-319928	460-319427	08/28/2015 07:29	20	TAL EDI	MDC
A:6020A	MB 460-319427/1-A		460-319928	460-319427	08/30/2015 19:22	20	TAL EDI	VAD
P:3050B	MB 460-319429/1-A		460-319928	460-319429	08/28/2015 07:41	20	TAL EDI	MDC
A:6020A	MB 460-319429/1-A		460-319928	460-319429	08/30/2015 22:37	20	TAL EDI	VAD
P:7471B	MB 460-319643/1-A		460-319713	460-319643	08/29/2015 09:25	1	TAL EDI	RBS
A:7471B	MB 460-319643/1-A		460-319713	460-319643	08/29/2015 12:35	1	TAL EDI	RBS
P:7471B	MB 460-319651/1-A		460-319713	460-319651	08/29/2015 10:08	1	TAL EDI	RBS
A:7471B	MB 460-319651/1-A		460-319713	460-319651	08/29/2015 13:44	1	TAL EDI	RBS

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	LCS 460-318158/2-A		460-318190	460-318158	08/21/2015 21:30	1	TAL EDI	JMS
A:8270D	LCS 460-318158/2-A		460-318190	460-318158	08/22/2015 09:55	1	TAL EDI	AAS
P:3546	LCS 460-318152/2-A		460-318190	460-318152	08/21/2015 19:43	1	TAL EDI	JMS
A:8270D	LCS 460-318152/2-A		460-318190	460-318152	08/22/2015 10:41	1	TAL EDI	AAS
P:3546	LCS 460-318165/2-A		460-318197	460-318165	08/21/2015 22:18	1	TAL EDI	JMS
A:8082A	LCS 460-318165/2-A		460-318197	460-318165	08/22/2015 09:42	1	TAL EDI	MJA
P:3546	LCS 460-318167/2-A		460-318286	460-318167	08/21/2015 22:24	1	TAL EDI	JMS
A:8082A	LCS 460-318167/2-A		460-318286	460-318167	08/23/2015 10:16	1	TAL EDI	JHP

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Laboratory Chronicle

Lab ID: LCSSRM

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	LCSSRM		460-319928	460-319427	08/28/2015 07:29	100	TAL EDI	MDC
	460-319427/2-A ^100							
A:6020A	LCSSRM		460-319928	460-319427	08/30/2015 19:27	100	TAL EDI	VAD
	460-319427/2-A ^100							
P:3050B	LCSSRM		460-319928	460-319429	08/28/2015 07:41	100	TAL EDI	MDC
	460-319429/2-A							
A:6020A	LCSSRM		460-319928	460-319429	08/30/2015 22:43	100	TAL EDI	VAD
	460-319429/2-A							
P:7471B	LCSSRM		460-319713	460-319643	08/29/2015 09:25	20	TAL EDI	RBS
	460-319643/2-A ^20							
A:7471B	LCSSRM		460-319713	460-319643	08/29/2015 12:37	20	TAL EDI	RBS
	460-319643/2-A ^20							
P:7471B	LCSSRM		460-319713	460-319651	08/29/2015 10:08	20	TAL EDI	RBS
	460-319651/2-A ^20							
A:7471B	LCSSRM		460-319713	460-319651	08/29/2015 13:46	20	TAL EDI	RBS
	460-319651/2-A ^20							

Lab ID: MS

Client ID: N/A

Sample Date/Time: 08/24/2015 14:40

Received Date/Time: 08/25/2015 12:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471B	460-100149-D-12-I		460-319713	460-319651	08/29/2015 10:08	1	TAL EDI	RBS
	MS							
A:7471B	460-100149-D-12-I		460-319713	460-319651	08/29/2015 13:52	1	TAL EDI	RBS
	MS							

Lab ID: DU

Client ID: N/A

Sample Date/Time: 08/24/2015 14:40

Received Date/Time: 08/25/2015 12:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471B	460-100149-D-12-H		460-319713	460-319651	08/29/2015 10:08	1	TAL EDI	RBS
	DU							
A:7471B	460-100149-D-12-H		460-319713	460-319651	08/29/2015 13:51	1	TAL EDI	RBS
	DU							
A:Moisture	460-100045-A-1 DU		460-318213		08/22/2015 11:22	1	TAL EDI	VMM

Lab ID: SD

Client ID: N/A

Sample Date/Time: 08/24/2015 14:40

Received Date/Time: 08/25/2015 12:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471B	460-100149-D-12-G		460-319713	460-319651	08/29/2015 10:08	5	TAL EDI	RBS
	SD ^5							
A:7471B	460-100149-D-12-G		460-319713	460-319651	08/29/2015 13:54	5	TAL EDI	RBS
	SD ^5							

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-99997-1

Laboratory Chronicle

Lab References:

TAL EDI = TestAmerica Edison

8270D_DKQP

Semivolatile Organic Compounds
(GC/MS)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Matrix: Solid Level: Low
 GC Column (1): Rtxi-5Sil M ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	NBZ #	FBP #	TPH #
ES-1	460-99997-1	82	86	104
ES-2	460-99997-2	82	92	79
ES-3	460-99997-3	80	87	81
ES-4	460-99997-4	83	86	113
ES-5	460-99997-5	82	86	104
ES-6	460-99997-6	81	88	99
ES-7	460-99997-7	82	90	89
ES-8	460-99997-8	83	88	98
ES-9	460-99997-9	75	81	77
ES-10	460-99997-10	83	85	102
ES-11	460-99997-11	87	99	106
ES-12	460-99997-12	81	88	89
ES-13	460-99997-13	77	78	92
ES-14	460-99997-14	80	88	82
ES-15	460-99997-15	78	77	88
ES-16	460-99997-16	75	78	62
ES-17	460-99997-17	62	65	72
ES-18	460-99997-18	79	85	80
ES-19	460-99997-19	80	88	93
ES-20	460-99997-20	77	83	91
ES-21	460-99997-21	67	64	76
ES-22	460-99997-22	64	64	84
	MB 460-318152/1-A	69	66	75
	MB 460-318158/1-A	75	78	77
	LCS 460-318152/2-A	91	93	101
	LCS 460-318158/2-A	91	94	100
ES-2 MS	460-99997-2 MS	76	83	74
ES-21 MS	460-99997-21 MS	69	71	77
ES-2 MSD	460-99997-2 MSD	78	87	69
ES-21 MSD	460-99997-21 MSD	67	70	74

	<u>QC LIMITS</u>
NBZ = Nitrobenzene-d5	30-130
FBP = 2-Fluorobiphenyl	30-130
TPH = Terphenyl-d14	30-130

Column to be used to flag recovery values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: z35645.D
 Lab ID: LCS 460-318152/2-A Client ID: _____

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Naphthalene	3.33	3.22	96	70-130	
2-Methylnaphthalene	3.33	3.46	104	70-130	
Acenaphthylene	3.33	3.26	98	70-130	
Acenaphthene	3.33	3.19	96	70-130	
Fluorene	3.33	3.41	102	70-130	
Phenanthrene	3.33	3.32	99	70-130	
Anthracene	3.33	3.31	99	70-130	
Fluoranthene	3.33	3.59	108	70-130	
Pyrene	3.33	3.13	94	70-130	
Benzo[a]anthracene	3.33	3.24	97	70-130	
Chrysene	3.33	3.41	102	70-130	
Benzo[b]fluoranthene	3.33	3.57	107	70-130	
Benzo[k]fluoranthene	3.33	3.42	103	70-130	
Benzo[a]pyrene	3.33	3.45	103	70-130	
Indeno[1,2,3-cd]pyrene	3.33	3.45	104	70-130	
Dibenz(a,h)anthracene	3.33	3.41	102	70-130	
Benzo[g,h,i]perylene	3.33	2.99	90	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: z35643.D
 Lab ID: LCS 460-318158/2-A Client ID: _____

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Naphthalene	3.33	3.21	96	70-130	
2-Methylnaphthalene	3.33	3.39	102	70-130	
Acenaphthylene	3.33	3.28	98	70-130	
Acenaphthene	3.33	3.15	94	70-130	
Fluorene	3.33	3.41	102	70-130	
Phenanthrene	3.33	3.31	99	70-130	
Anthracene	3.33	3.29	99	70-130	
Fluoranthene	3.33	3.54	106	70-130	
Pyrene	3.33	3.08	92	70-130	
Benzo[a]anthracene	3.33	3.25	98	70-130	
Chrysene	3.33	3.40	102	70-130	
Benzo[b]fluoranthene	3.33	3.38	101	70-130	
Benzo[k]fluoranthene	3.33	3.57	107	70-130	
Benzo[a]pyrene	3.33	3.43	103	70-130	
Indeno[1,2,3-cd]pyrene	3.33	3.61	108	70-130	
Dibenz(a,h)anthracene	3.33	3.48	104	70-130	
Benzo[g,h,i]perylene	3.33	3.11	93	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: z35691.D
 Lab ID: 460-99997-2 MS Client ID: ES-2 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Naphthalene	3.67	0.0092 U	2.67	73	70-130	
2-Methylnaphthalene	3.67	0.0080 U	2.76	75	70-130	
Acenaphthylene	3.67	0.0094 U	2.84	77	70-130	
Acenaphthene	3.67	0.010 J	2.72	74	70-130	
Fluorene	3.67	0.0079 U	2.80	76	70-130	
Phenanthrene	3.67	0.096 J	2.96	78	70-130	
Anthracene	3.67	0.035 U	2.87	78	70-130	
Fluoranthene	3.67	0.15 J	3.07	79	70-130	
Pyrene	3.67	0.13 J	2.41	62	70-130	F1
Benzo[a]anthracene	3.67	0.079	2.92	77	70-130	
Chrysene	3.67	0.099 J	3.08	81	70-130	
Benzo[b]fluoranthene	3.67	0.10	2.65	69	70-130	F1
Benzo[k]fluoranthene	3.67	0.040	2.74	74	70-130	
Benzo[a]pyrene	3.67	0.073	3.07	82	70-130	
Indeno[1,2,3-cd]pyrene	3.67	0.059	4.13	111	70-130	
Dibenz(a,h)anthracene	3.67	0.021 J	3.87	105	70-130	
Benzo[g,h,i]perylene	3.67	0.068 J	3.39	91	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: x5565.D
 Lab ID: 460-99997-21 MS Client ID: ES-21 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Naphthalene	3.85	0.0097 U	2.55	66	70-130	F1
2-Methylnaphthalene	3.85	0.0084 U	2.75	71	70-130	
Acenaphthylene	3.85	0.0098 U	2.62	68	70-130	F1
Acenaphthene	3.85	0.0092 U	2.73	71	70-130	
Fluorene	3.85	0.0083 U	2.75	71	70-130	
Phenanthrene	3.85	0.016 J	2.80	72	70-130	
Anthracene	3.85	0.036 U	2.79	73	70-130	
Fluoranthene	3.85	0.027 J	2.88	74	70-130	
Pyrene	3.85	0.020 J	2.74	70	70-130	
Benzo[a]anthracene	3.85	0.032 U	2.72	71	70-130	
Chrysene	3.85	0.012 J	2.82	73	70-130	
Benzo[b]fluoranthene	3.85	0.015 J	2.95	77	70-130	
Benzo[k]fluoranthene	3.85	0.017 U	2.82	73	70-130	
Benzo[a]pyrene	3.85	0.012 U	2.91	75	70-130	
Indeno[1,2,3-cd]pyrene	3.85	0.025 U	2.96	77	70-130	
Dibenz(a,h)anthracene	3.85	0.020 U	2.99	78	70-130	
Benzo[g,h,i]perylene	3.85	0.022 U	2.73	71	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: z35692.D
 Lab ID: 460-99997-2 MSD Client ID: ES-2 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Naphthalene	3.67	2.84	77	6	30	70-130	
2-Methylnaphthalene	3.67	2.91	79	5	30	70-130	
Acenaphthylene	3.67	3.00	82	5	30	70-130	
Acenaphthene	3.67	2.86	78	5	30	70-130	
Fluorene	3.67	2.97	81	6	30	70-130	
Phenanthrene	3.67	3.15	83	6	30	70-130	
Anthracene	3.67	3.06	83	7	30	70-130	
Fluoranthene	3.67	3.35	87	9	30	70-130	
Pyrene	3.67	2.34	60	3	30	70-130	F1
Benzo[a]anthracene	3.67	3.08	82	5	30	70-130	
Chrysene	3.67	3.27	86	6	30	70-130	
Benzo[b]fluoranthene	3.67	2.91	77	10	30	70-130	
Benzo[k]fluoranthene	3.67	2.87	77	5	30	70-130	
Benzo[a]pyrene	3.67	3.28	87	7	30	70-130	
Indeno[1,2,3-cd]pyrene	3.67	4.07	109	1	30	70-130	
Dibenz(a,h)anthracene	3.67	3.78	102	2	30	70-130	
Benzo[g,h,i]perylene	3.67	3.22	86	5	30	70-130	

Column to be used to flag recovery and RPD values

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: x5566.D
 Lab ID: 460-99997-21 MSD Client ID: ES-21 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Naphthalene	3.85	2.51	65	1	30	70-130	F1
2-Methylnaphthalene	3.85	2.68	70	3	30	70-130	
Acenaphthylene	3.85	2.66	69	2	30	70-130	F1
Acenaphthene	3.85	2.75	71	1	30	70-130	
Fluorene	3.85	2.77	72	0	30	70-130	
Phenanthrene	3.85	2.77	71	1	30	70-130	
Anthracene	3.85	2.73	71	2	30	70-130	
Fluoranthene	3.85	2.84	73	1	30	70-130	
Pyrene	3.85	2.67	69	2	30	70-130	F1
Benzo[a]anthracene	3.85	2.63	68	3	30	70-130	F1
Chrysene	3.85	2.76	71	2	30	70-130	
Benzo[b]fluoranthene	3.85	2.83	74	4	30	70-130	
Benzo[k]fluoranthene	3.85	2.74	71	3	30	70-130	
Benzo[a]pyrene	3.85	2.77	72	5	30	70-130	
Indeno[1,2,3-cd]pyrene	3.85	2.75	71	8	30	70-130	
Dibenz(a,h)anthracene	3.85	2.92	76	3	30	70-130	
Benzo[g,h,i]perylene	3.85	2.65	69	3	30	70-130	F1

Column to be used to flag recovery and RPD values

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Lab File ID: x5559.D Lab Sample ID: MB 460-318152/1-A
Matrix: Solid Date Extracted: 08/21/2015 19:43
Instrument ID: CBNAMS5 Date Analyzed: 08/22/2015 09:34
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-318152/2-A	z35645.D	08/22/2015 10:41
ES-21	460-99997-21	x5564.D	08/22/2015 11:34
ES-21 MS	460-99997-21 MS	x5565.D	08/22/2015 11:58
ES-21 MSD	460-99997-21 MSD	x5566.D	08/22/2015 12:22
ES-22	460-99997-22	x5567.D	08/22/2015 12:46

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Lab File ID: z35686.D Lab Sample ID: MB 460-318158/1-A
Matrix: Solid Date Extracted: 08/21/2015 21:30
Instrument ID: CBNAMS11 Date Analyzed: 08/24/2015 11:25
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-318158/2-A	z35643.D	08/22/2015 09:55
ES-10	460-99997-10	z35647.D	08/22/2015 11:27
ES-15	460-99997-15	z35648.D	08/22/2015 11:50
ES-13	460-99997-13	z35649.D	08/22/2015 12:13
ES-1	460-99997-1	z35650.D	08/22/2015 12:35
ES-4	460-99997-4	z35651.D	08/22/2015 12:59
ES-5	460-99997-5	z35652.D	08/22/2015 13:22
ES-8	460-99997-8	z35654.D	08/22/2015 14:07
ES-6	460-99997-6	z35655.D	08/22/2015 14:30
ES-12	460-99997-12	z35656.D	08/22/2015 14:53
ES-20	460-99997-20	z35657.D	08/22/2015 15:16
ES-19	460-99997-19	z35659.D	08/22/2015 16:02
ES-7	460-99997-7	z35661.D	08/22/2015 16:48
ES-11	460-99997-11	z35662.D	08/22/2015 17:10
ES-14	460-99997-14	z35664.D	08/22/2015 17:56
ES-2	460-99997-2	z35665.D	08/22/2015 18:19
ES-9	460-99997-9	z35687.D	08/24/2015 11:48
ES-18	460-99997-18	z35688.D	08/24/2015 12:11
ES-3	460-99997-3	z35690.D	08/24/2015 12:57
ES-2 MS	460-99997-2 MS	z35691.D	08/24/2015 13:20
ES-2 MSD	460-99997-2 MSD	z35692.D	08/24/2015 13:43
ES-16	460-99997-16	z35693.D	08/24/2015 14:06
ES-17	460-99997-17	z35703.D	08/25/2015 07:45

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Lab File ID: z35529.D DFTPP Injection Date: 08/19/2015
Instrument ID: CBNAMS11 DFTPP Injection Time: 11:39
Analysis Batch No.: 317554

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	48.8
68	Less than 2.0 % of mass 69	0.4 (0.9) 1
69	Mass 69 relative abundance	37.9
70	Less than 2.0 % of mass 69	0.2 (0.5) 1
127	40.0 - 60.0 % of mass 198	47.8
197	Less than 1.0 % of mass 198	0.2
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.7
275	10.0 - 30.0 % of mass 198	23.4
365	Greater than 1.0 % of mass 198	3.0
441	Present but less than mass 443	12.4 (75.5) 3
442	Greater than 40.0 % of mass 198	88.2
443	17.0 - 23.0 % of mass 442	16.5 (18.7) 2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-317554/2	z35530.D	08/19/2015	11:58
	STD120 460-317554/3	z35531.D	08/19/2015	12:32
	STD80 460-317554/4	z35532.D	08/19/2015	12:55
	STD20 460-317554/5	z35533.D	08/19/2015	13:18
	STD10 460-317554/6	z35534.D	08/19/2015	13:41
	STD5 460-317554/7	z35535.D	08/19/2015	14:04
	STD2 460-317554/8	z35536.D	08/19/2015	14:27
	STD1 460-317554/9	z35537.D	08/19/2015	14:50
	STD05 460-317554/20	z35546.D	08/19/2015	18:18

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Lab File ID: z35639a.D DFTPP Injection Date: 08/22/2015
Instrument ID: CBNAMS11 DFTPP Injection Time: 08:02
Analysis Batch No.: 318190

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	47.7
68	Less than 2.0 % of mass 69	0.7 (1.8)1
69	Mass 69 relative abundance	38.9
70	Less than 2.0 % of mass 69	0.0 (0.0)1
127	40.0 - 60.0 % of mass 198	47.4
197	Less than 1.0 % of mass 198	0.7
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.7
275	10.0 - 30.0 % of mass 198	21.5
365	Greater than 1.0 % of mass 198	2.4
441	Present but less than mass 443	9.1 (73.7)3
442	Greater than 40.0 % of mass 198	63.3
443	17.0 - 23.0 % of mass 442	12.3 (19.4)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-318190/2	z35640.D	08/22/2015	08:18
	LCS 460-318158/2-A	z35643.D	08/22/2015	09:55
	LCS 460-318152/2-A	z35645.D	08/22/2015	10:41
ES-10	460-99997-10	z35647.D	08/22/2015	11:27
ES-15	460-99997-15	z35648.D	08/22/2015	11:50
ES-13	460-99997-13	z35649.D	08/22/2015	12:13
ES-1	460-99997-1	z35650.D	08/22/2015	12:35
ES-4	460-99997-4	z35651.D	08/22/2015	12:59
ES-5	460-99997-5	z35652.D	08/22/2015	13:22
ES-8	460-99997-8	z35654.D	08/22/2015	14:07
ES-6	460-99997-6	z35655.D	08/22/2015	14:30
ES-12	460-99997-12	z35656.D	08/22/2015	14:53
ES-20	460-99997-20	z35657.D	08/22/2015	15:16
ES-19	460-99997-19	z35659.D	08/22/2015	16:02
ES-7	460-99997-7	z35661.D	08/22/2015	16:48
ES-11	460-99997-11	z35662.D	08/22/2015	17:10
ES-14	460-99997-14	z35664.D	08/22/2015	17:56
ES-2	460-99997-2	z35665.D	08/22/2015	18:19

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Lab File ID: z35669.D DFTPP Injection Date: 08/24/2015
Instrument ID: CBNAMS11 DFTPP Injection Time: 04:51
Analysis Batch No.: 318357

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	45.9
68	Less than 2.0 % of mass 69	0.6 (1.6)1
69	Mass 69 relative abundance	39.2
70	Less than 2.0 % of mass 69	0.0 (0.0)1
127	40.0 - 60.0 % of mass 198	48.0
197	Less than 1.0 % of mass 198	0.6
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.6
275	10.0 - 30.0 % of mass 198	24.0
365	Greater than 1.0 % of mass 198	2.6
441	Present but less than mass 443	9.0 (70.8)3
442	Greater than 40.0 % of mass 198	69.8
443	17.0 - 23.0 % of mass 442	12.7 (18.1)2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-318357/2	z35670.D	08/24/2015	05:07
	MB 460-318158/1-A	z35686.D	08/24/2015	11:25
ES-9	460-99997-9	z35687.D	08/24/2015	11:48
ES-18	460-99997-18	z35688.D	08/24/2015	12:11
ES-3	460-99997-3	z35690.D	08/24/2015	12:57
ES-2 MS	460-99997-2 MS	z35691.D	08/24/2015	13:20
ES-2 MSD	460-99997-2 MSD	z35692.D	08/24/2015	13:43
ES-16	460-99997-16	z35693.D	08/24/2015	14:06

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Lab File ID: z35694.D DFTPP Injection Date: 08/25/2015
Instrument ID: CBNAMS11 DFTPP Injection Time: 04:15
Analysis Batch No.: 318575

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	42.9
68	Less than 2.0 % of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	34.6
70	Less than 2.0 % of mass 69	0.2 (0.4) 1
127	40.0 - 60.0 % of mass 198	44.8
197	Less than 1.0 % of mass 198	0.3
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.7
275	10.0 - 30.0 % of mass 198	24.4
365	Greater than 1.0 % of mass 198	2.7
441	Present but less than mass 443	9.3 (68.5) 3
442	Greater than 40.0 % of mass 198	71.0
443	17.0 - 23.0 % of mass 442	13.6 (19.1) 2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-318575/2	z35695.D	08/25/2015	04:34
ES-17	460-99997-17	z35703.D	08/25/2015	07:45

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Lab File ID: x4901.D DFTPP Injection Date: 08/05/2015
Instrument ID: CBNAMS5 DFTPP Injection Time: 07:17
Analysis Batch No.: 314647

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	42.8
68	Less than 2.0 % of mass 69	0.3 (0.6) 1
69	Mass 69 relative abundance	48.6
70	Less than 2.0 % of mass 69	0.6 (1.3) 1
127	40.0 - 60.0 % of mass 198	51.5
197	Less than 1.0 % of mass 198	0.4
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.9
275	10.0 - 30.0 % of mass 198	28.6
365	Greater than 1.0 % of mass 198	4.1
441	Present but less than mass 443	14.0 (79.3) 3
442	Greater than 40.0 % of mass 198	88.7
443	17.0 - 23.0 % of mass 442	17.6 (19.9) 2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-314647/2	x4902.D	08/05/2015	07:31
	STD120 460-314647/3	x4903.D	08/05/2015	07:55
	STD80 460-314647/4	x4904.D	08/05/2015	08:19
	STD20 460-314647/5	x4905.D	08/05/2015	08:43
	STD10 460-314647/6	x4906.D	08/05/2015	09:07
	STD5 460-314647/7	x4907.D	08/05/2015	09:32
	STD2 460-314647/8	x4908.D	08/05/2015	09:56
	STD1 460-314647/9	x4909.D	08/05/2015	10:20
	STD05 460-314647/10	x4910.D	08/05/2015	10:44

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Lab File ID: x5555.D DFTPP Injection Date: 08/22/2015
Instrument ID: CBNAMS5 DFTPP Injection Time: 08:07
Analysis Batch No.: 318191

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	45.3
68	Less than 2.0 % of mass 69	0.6 (1.2) 1
69	Mass 69 relative abundance	49.9
70	Less than 2.0 % of mass 69	0.5 (0.9) 1
127	40.0 - 60.0 % of mass 198	53.8
197	Less than 1.0 % of mass 198	0.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.9
275	10.0 - 30.0 % of mass 198	27.1
365	Greater than 1.0 % of mass 198	4.3
441	Present but less than mass 443	12.0 (64.9) 3
442	Greater than 40.0 % of mass 198	91.4
443	17.0 - 23.0 % of mass 442	18.4 (20.2) 2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-318191/2	x5556.D	08/22/2015	08:21
	MB 460-318152/1-A	x5559.D	08/22/2015	09:34
ES-21	460-99997-21	x5564.D	08/22/2015	11:34
ES-21 MS	460-99997-21 MS	x5565.D	08/22/2015	11:58
ES-21 MSD	460-99997-21 MSD	x5566.D	08/22/2015	12:22
ES-22	460-99997-22	x5567.D	08/22/2015	12:46

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Sample No.: CCVIS 460-318190/2 Date Analyzed: 08/22/2015 08:18
 Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): z35640.D Heated Purge: (Y/N) N
 Calibration ID: 51866

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		454515	4.62	1588152	5.91	747489	7.67
UPPER LIMIT		909030	5.12	3176304	6.41	1494978	8.17
LOWER LIMIT		227258	4.12	794076	5.41	373745	7.17
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-318158/2-A		447832	4.62	1611496	5.90	770516	7.67
LCS 460-318152/2-A		446240	4.62	1622787	5.90	797877	7.67
460-99997-10	ES-10	387722	4.63	1458732	5.90	752111	7.66
460-99997-15	ES-15	460845	4.64	1724080	5.90	915497	7.66
460-99997-13	ES-13	459559	4.65	1720680	5.91	900551	7.66
460-99997-1	ES-1	462268	4.64	1709259	5.90	848634	7.66
460-99997-4	ES-4	412774	4.65	1504808	5.89	747586	7.66
460-99997-5	ES-5	382493	4.65	1345479	5.91	647530	7.66
460-99997-8	ES-8	420037	4.64	1445524	5.90	670335	7.66
460-99997-6	ES-6	379927	4.64	1310690	5.90	598124	7.66
460-99997-12	ES-12	366387	4.65	1241420	5.91	564589	7.66
460-99997-20	ES-20	420132	4.65	1431164	5.90	651842	7.66
460-99997-19	ES-19	332007	4.62	1132487	5.90	480506	7.66
460-99997-7	ES-7	383126	4.65	1298483	5.90	575542	7.66
460-99997-11	ES-11	355183	4.65	1182904	5.91	516348	7.66
460-99997-14	ES-14	406133	4.63	1357200	5.90	576709	7.66
460-99997-2	ES-2	353295	4.63	1164386	5.90	476998	7.66

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Sample No.: CCVIS 460-318190/2 Date Analyzed: 08/22/2015 08:18
 Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): z35640.D Heated Purge: (Y/N) N
 Calibration ID: 51866

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		975112	9.14	518226	11.99	357770	13.99
UPPER LIMIT		1950224	9.64	1036452	12.49	715540	14.49
LOWER LIMIT		487556	8.64	259113	11.49	178885	13.49
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-318158/2-A		1010448	9.14	510311	11.99	333404	13.99
LCS 460-318152/2-A		1067182	9.14	546696	11.99	357909	13.99
460-99997-10	ES-10	1035193	9.13	530052	11.98	345752	13.98
460-99997-15	ES-15	1302192	9.13	726533	11.99	459030	13.99
460-99997-13	ES-13	1286446	9.13	669501	11.99	391292	13.98
460-99997-1	ES-1	1121573	9.13	497176	11.98	307828	13.98
460-99997-4	ES-4	981830	9.14	405729	11.99	273875	13.99
460-99997-5	ES-5	831830	9.14	349723	11.99	253074	13.98
460-99997-8	ES-8	816479	9.14	359182	11.99	273808	13.99
460-99997-6	ES-6	700669	9.13	295416	11.98	251835	13.98
460-99997-12	ES-12	612399	9.14	277139	11.99	268770	14.00
460-99997-20	ES-20	767101	9.14	340016	11.99	297278	13.99
460-99997-19	ES-19	565646	9.14	263532	11.98	247908	13.98
460-99997-7	ES-7	661991	9.14	310255	11.99	291395	13.99
460-99997-11	ES-11	596940	9.13	275798	11.99	289466	13.99
460-99997-14	ES-14	628328	9.13	333975	11.98	327717	13.99
460-99997-2	ES-2	515673	9.13	279922	11.98	311519	13.99

PHN = Phenanthrene-d10
 CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Sample No.: CCVIS 460-318357/2 Date Analyzed: 08/24/2015 05:07
 Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): z35670.D Heated Purge: (Y/N) N
 Calibration ID: 51866

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		391415	4.61	1392353	5.89	654386	7.64
UPPER LIMIT		782830	5.11	2784706	6.39	1308772	8.14
LOWER LIMIT		195708	4.11	696177	5.39	327193	7.14
LAB SAMPLE ID		CLIENT SAMPLE ID					
MB 460-318158/1-A		427698	4.60	1424769	5.88	598121	7.64
460-99997-9		328961	4.62	1088740	5.89	463484	7.64
460-99997-18		354009	4.62	1164620	5.88	480568	7.64
460-99997-3		366743	4.62	1209515	5.88	494486	7.64
460-99997-2 MS		407286	4.62	1294218	5.89	524219	7.65
460-99997-2 MSD		366825	4.62	1140152	5.89	448917	7.64
460-99997-16		321912	4.61	1011649	5.88	391192	7.64

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Sample No.: CCVIS 460-318357/2 Date Analyzed: 08/24/2015 05:07
 Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): z35670.D Heated Purge: (Y/N) N
 Calibration ID: 51866

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		849699	9.11	436373	11.95	293606	13.94
UPPER LIMIT		1699398	9.61	872746	12.45	587212	14.44
LOWER LIMIT		424850	8.61	218187	11.45	146803	13.44
LAB SAMPLE ID		CLIENT SAMPLE ID					
MB 460-318158/1-A		722572	9.11	392592	11.96	354431	13.95
460-99997-9		ES-9	530651	9.11	273806	11.96	284238
460-99997-18		ES-18	547049	9.11	297775	11.96	314120
460-99997-3		ES-3	563590	9.11	305325	11.96	332611
460-99997-2 MS		ES-2 MS	591814	9.12	329772	11.97	387083
460-99997-2 MSD		ES-2 MSD	496596	9.12	312914	11.97	386382
460-99997-16		ES-16	440280	9.11	272053	11.97	353735

PHN = Phenanthrene-d10
 CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Sample No.: CCVIS 460-318575/2 Date Analyzed: 08/25/2015 04:34
 Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): z35695.D Heated Purge: (Y/N) N
 Calibration ID: 51866

	DCB		NPT		ANT	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	398994	4.59	1351151	5.87	597865	7.63
UPPER LIMIT	797988	5.09	2702302	6.37	1195730	8.13
LOWER LIMIT	199497	4.09	675576	5.37	298933	7.13
LAB SAMPLE ID	CLIENT SAMPLE ID					
460-99997-17	ES-17		431373	4.60	1545682	5.87
					695891	7.62

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Sample No.: CCVIS 460-318575/2 Date Analyzed: 08/25/2015 04:34
 Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): z35695.D Heated Purge: (Y/N) N
 Calibration ID: 51866

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	700830	9.09	323381	11.94	227947	13.92
UPPER LIMIT	1401660	9.59	646762	12.44	455894	14.42
LOWER LIMIT	350415	8.59	161691	11.44	113974	13.42
LAB SAMPLE ID	CLIENT SAMPLE ID					
460-99997-17	ES-17		758294	9.09	294112	11.94
					269676	13.92

PHN = Phenanthrene-d10
 CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Sample No.: CCVIS 460-318191/2 Date Analyzed: 08/22/2015 08:21
 Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): x5556.D Heated Purge: (Y/N) N
 Calibration ID: 51703

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		565123	4.23	1942382	5.50	821064	7.26
UPPER LIMIT		1130246	4.73	3884764	6.00	1642128	7.76
LOWER LIMIT		282562	3.73	971191	5.00	410532	6.76
LAB SAMPLE ID		CLIENT SAMPLE ID					
MB 460-318152/1-A		628614	4.22	2466796	5.50	1255241	7.25
460-99997-21	ES-21	544462	4.25	2156135	5.50	1128813	7.25
460-99997-21 MS	ES-21 MS	554157	4.25	2072460	5.51	981799	7.26
460-99997-21 MSD	ES-21 MSD	536636	4.24	1981002	5.51	909102	7.26
460-99997-22	ES-22	552626	4.23	2056318	5.50	1019810	7.25

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Sample No.: CCVIS 460-318191/2 Date Analyzed: 08/22/2015 08:21
 Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): x5556.D Heated Purge: (Y/N) N
 Calibration ID: 51703

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	937792	8.71	474269	11.45	342467	13.35
UPPER LIMIT	1875584	9.21	948538	11.95	684934	13.85
LOWER LIMIT	468896	8.21	237135	10.95	171234	12.85
LAB SAMPLE ID	CLIENT SAMPLE ID					
MB 460-318152/1-A		1690293	8.71	852086	11.46	568508 13.36
460-99997-21	ES-21	1517467	8.71	779878	11.46	495900 13.36
460-99997-21 MS	ES-21 MS	1126755	8.72	578751	11.46	406251 13.36
460-99997-21 MSD	ES-21 MSD	1040914	8.72	534664	11.46	373316 13.36
460-99997-22	ES-22	1258192	8.71	545707	11.46	359509 13.36

PHN = Phenanthrene-d10
 CRY = Chrysene-d12
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-1</u>	Lab Sample ID: <u>460-99997-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z35650.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>08/20/2015 08:45</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>08/21/2015 21:30</u>
Sample wt/vol: <u>15.0224(g)</u>	Date Analyzed: <u>08/22/2015 12:35</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>19.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318190</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.013	J	0.41	0.010
91-57-6	2-Methylnaphthalene	0.0091	U	0.41	0.0091
208-96-8	Acenaphthylene	0.011	U	0.41	0.011
83-32-9	Acenaphthene	0.027	J	0.41	0.0099
86-73-7	Fluorene	0.021	J	0.41	0.0089
85-01-8	Phenanthrene	0.18	J	0.41	0.011
120-12-7	Anthracene	0.039	U	0.41	0.039
206-44-0	Fluoranthene	0.24	J	0.41	0.012
129-00-0	Pyrene	0.20	J	0.41	0.019
56-55-3	Benzo[a]anthracene	0.10		0.041	0.034
218-01-9	Chrysene	0.12	J	0.41	0.011
205-99-2	Benzo[b]fluoranthene	0.13		0.041	0.016
207-08-9	Benzo[k]fluoranthene	0.052		0.041	0.018
50-32-8	Benzo[a]pyrene	0.096		0.041	0.012
193-39-5	Indeno[1,2,3-cd]pyrene	0.083		0.041	0.027
53-70-3	Dibenz(a,h)anthracene	0.021	U	0.041	0.021
191-24-2	Benzo[g,h,i]perylene	0.066	J	0.41	0.024

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	82		30-130
1718-51-0	Terphenyl-d14	104		30-130
321-60-8	2-Fluorobiphenyl	86		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35650.D
 Lims ID: 460-99997-E-1-A Lab Sample ID: 460-99997-1
 Client ID: ES-1
 Sample Type: Client
 Inject. Date: 22-Aug-2015 12:35:30 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031003-010
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Aug-2015 10:09:07 Calib Date: 19-Aug-2015 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35546.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: szczecha

Date: 24-Aug-2015 10:09:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.506	3.336	0.170	94	584329	39.4	
\$ 6 Phenol-d5	99	4.271	4.259	0.012	86	704307	40.4	
* 14 1,4-Dichlorobenzene-d4	152	4.636	4.612	0.024	95	462268	40.0	
\$ 26 Nitrobenzene-d5	82	5.177	5.183	-0.006	91	621163	41.1	
* 38 Naphthalene-d8	136	5.900	5.894	0.006	99	1709259	40.0	
39 Naphthalene	128	5.918	5.930	-0.012	98	6756	0.1596	
\$ 51 2-Fluorobiphenyl	172	6.983	6.983	0.000	98	1341572	42.8	
* 65 Acenaphthene-d10	164	7.659	7.659	0.000	92	848634	40.0	
67 Acenaphthene	154	7.689	7.700	-0.011	94	8327	0.3280	
71 Dibenzofuran	168	7.853	7.871	-0.018	96	5205	0.1575	
74 Fluorene	166	8.194	8.206	-0.012	98	6304	0.2485	
\$ 80 2,4,6-Tribromophenol	330	8.436	8.447	-0.011	94	130888	49.6	
* 87 Phenanthrene-d10	188	9.130	9.129	0.001	99	1121573	40.0	
88 Phenanthrene	178	9.153	9.165	-0.012	97	69992	2.17	
89 Anthracene	178	9.200	9.200	-0.012	96	14399	0.4428	7
90 Carbazole	167	9.353	9.365	-0.012	95	6065	0.2299	
92 Fluoranthene	202	10.335	10.341	-0.006	98	71440	2.87	
94 Pyrene	202	10.571	10.576	-0.005	97	59973	2.44	
\$ 96 Terphenyl-d14	244	10.730	10.729	0.001	99	781444	52.2	
101 Benzo[a]anthracene	228	11.971	11.976	-0.005	99	18141	1.22	
* 102 Chrysene-d12	240	11.982	11.982	0.000	99	497176	40.0	
103 Chrysene	228	12.012	12.023	-0.011	98	18502	1.39	
106 Benzo[b]fluoranthene	252	13.435	13.447	-0.012	98	14968	1.61	
107 Benzo[k]fluoranthene	252	13.471	13.482	-0.012	1	5849	0.6308	
108 Benzo[a]pyrene	252	13.894	13.906	-0.012	95	9529	1.16	
* 109 Perylene-d12	264	13.982	13.982	0.000	98	307828	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.629	15.647	-0.018	96	6236	1.00	
111 Dibenz(a,h)anthracene	278	15.659	15.676	-0.017	24	1238	0.1948	
112 Benzo[g,h,i]perylene	276	16.094	16.117	-0.023	97	5412	0.7970	

[QC Flag Legend](#)

Processing Flags

7 - Failed Limit of Detection

[Reagents:](#)

SM_ISTD_00091

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35650.D

Injection Date: 22-Aug-2015 12:35:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: 460-99997-E-1-A

Lab Sample ID: 460-99997-1

Worklist Smp#: 10

Client ID: ES-1

Injection Vol: 1.0 ul

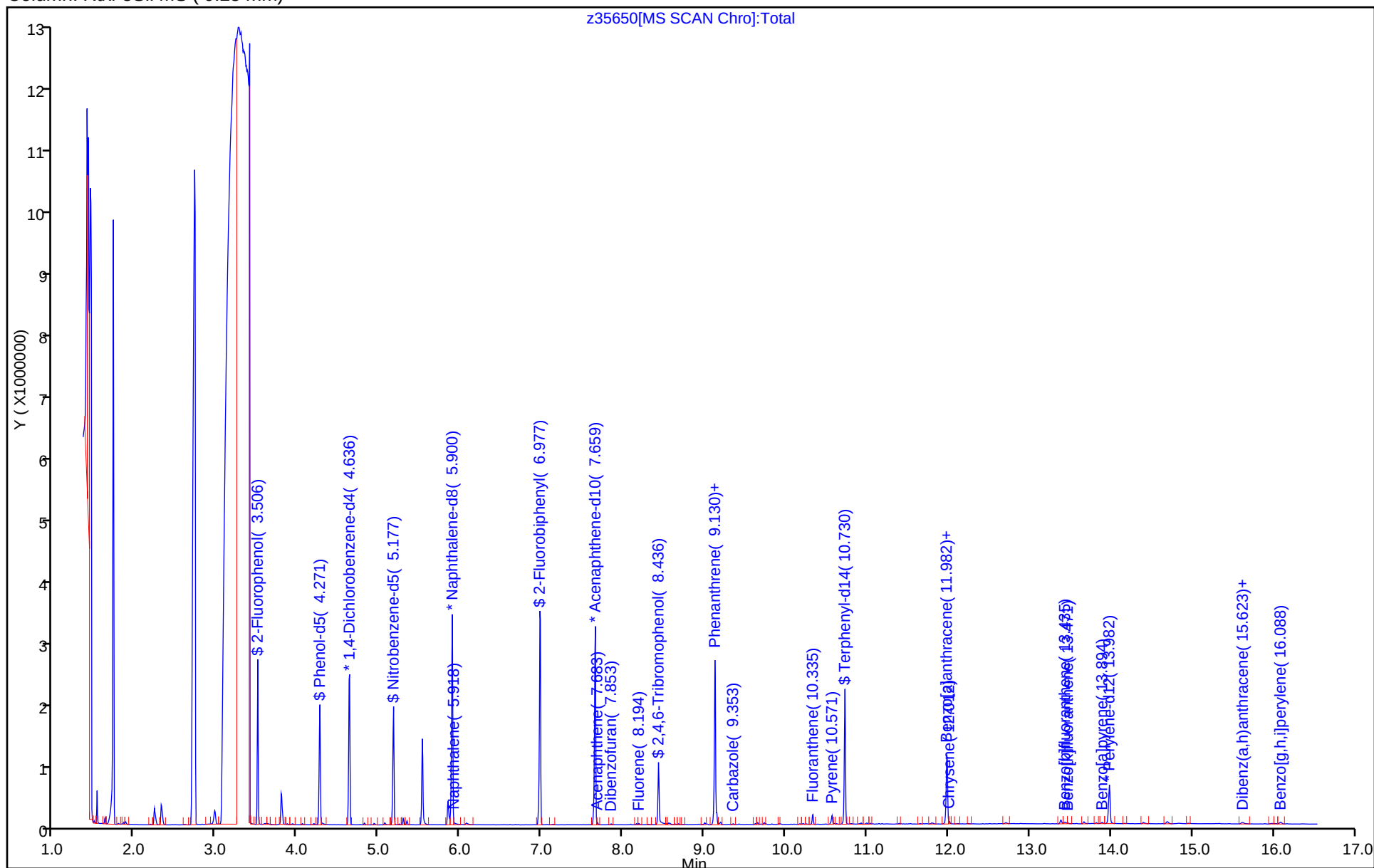
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35650.D

Injection Date: 22-Aug-2015 12:35:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-1-A

Lab Sample ID: 460-99997-1

Client ID: ES-1

Operator ID:

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

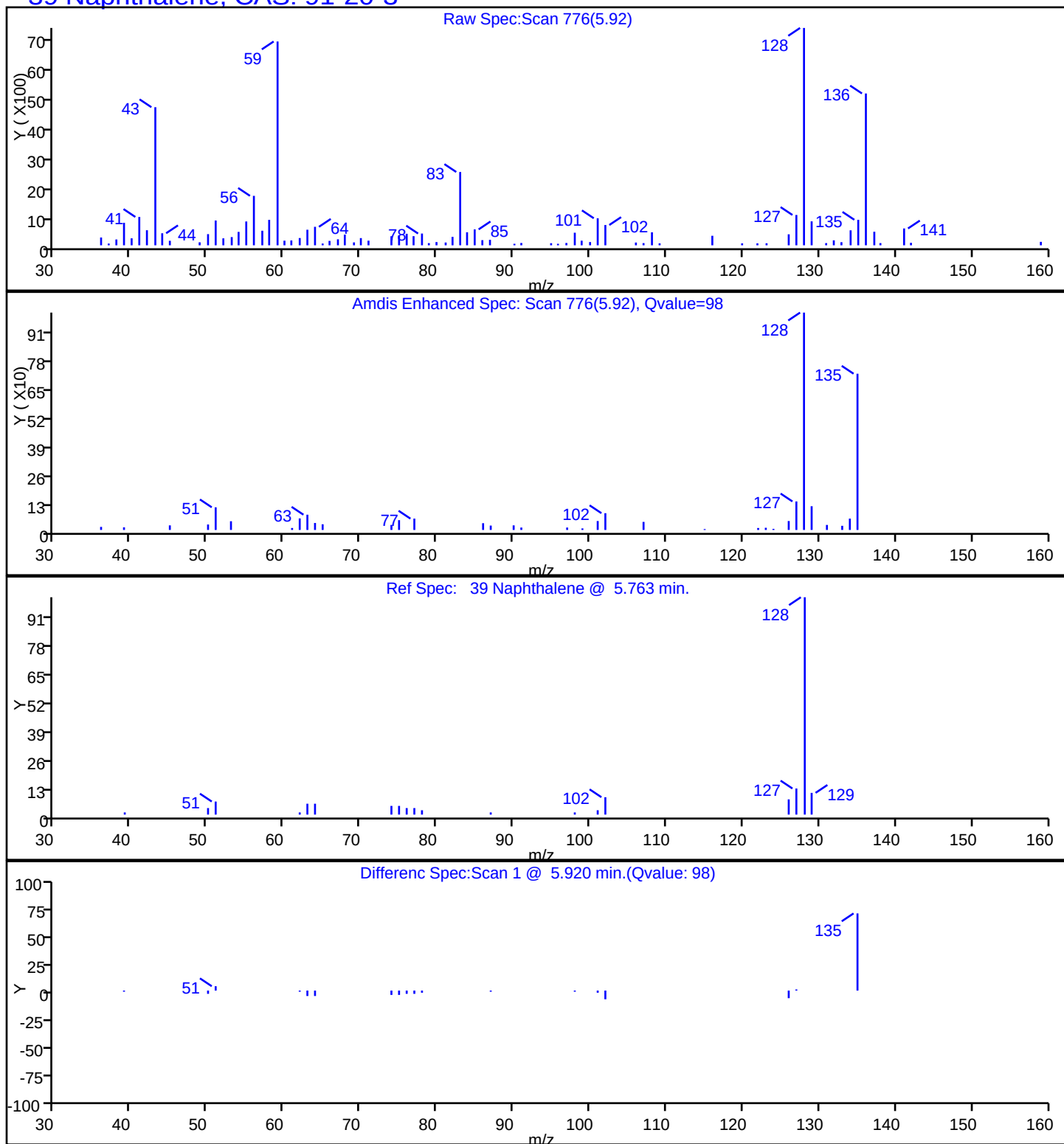
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

39 Naphthalene, CAS: 91-20-3

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35650.D

Injection Date: 22-Aug-2015 12:35:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-1-A

Lab Sample ID: 460-99997-1

Client ID: ES-1

Operator ID:

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

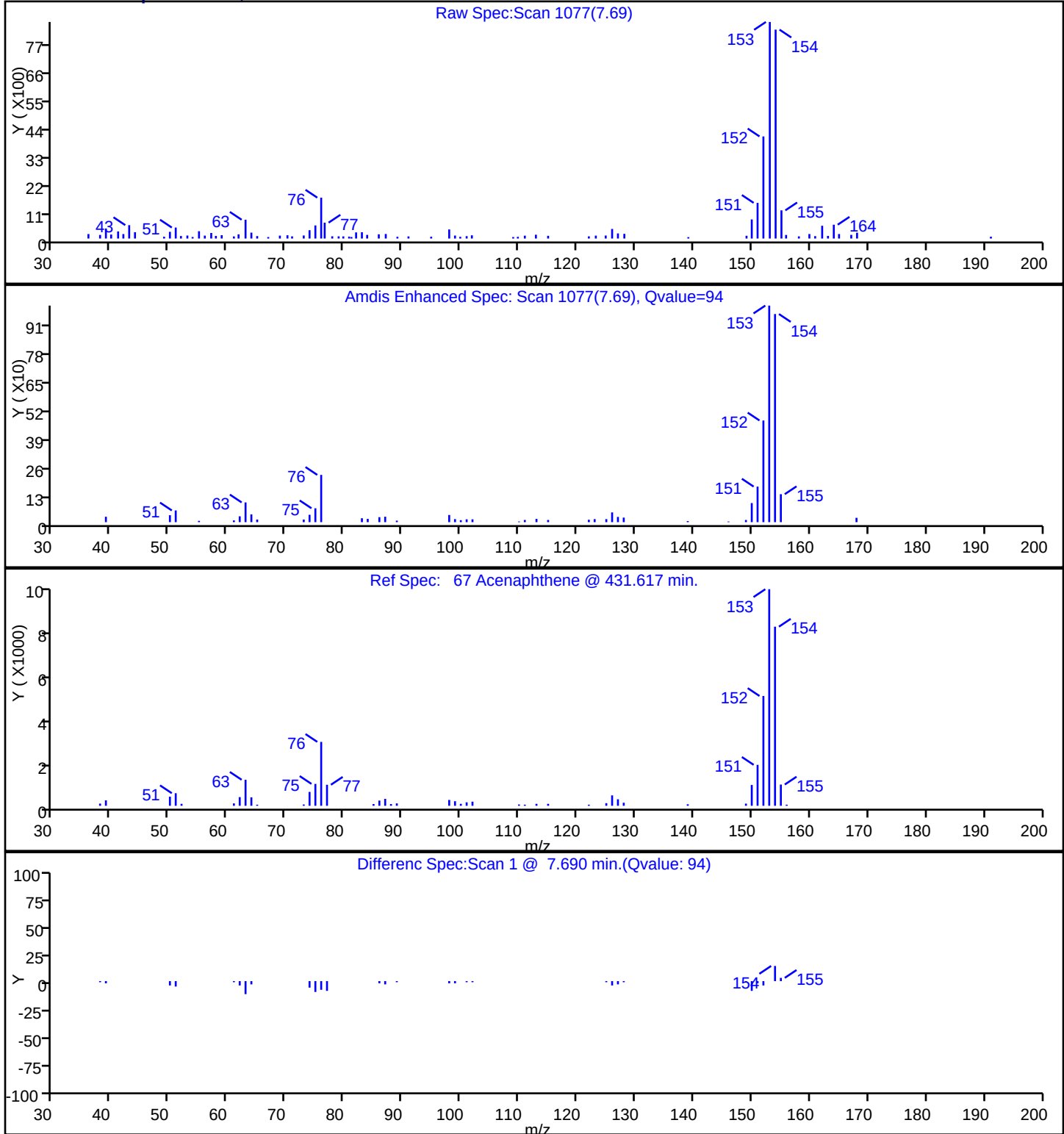
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

67 Acenaphthene, CAS: 83-32-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35650.D

Injection Date: 22-Aug-2015 12:35:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-1-A

Lab Sample ID: 460-99997-1

Client ID: ES-1

Operator ID:

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

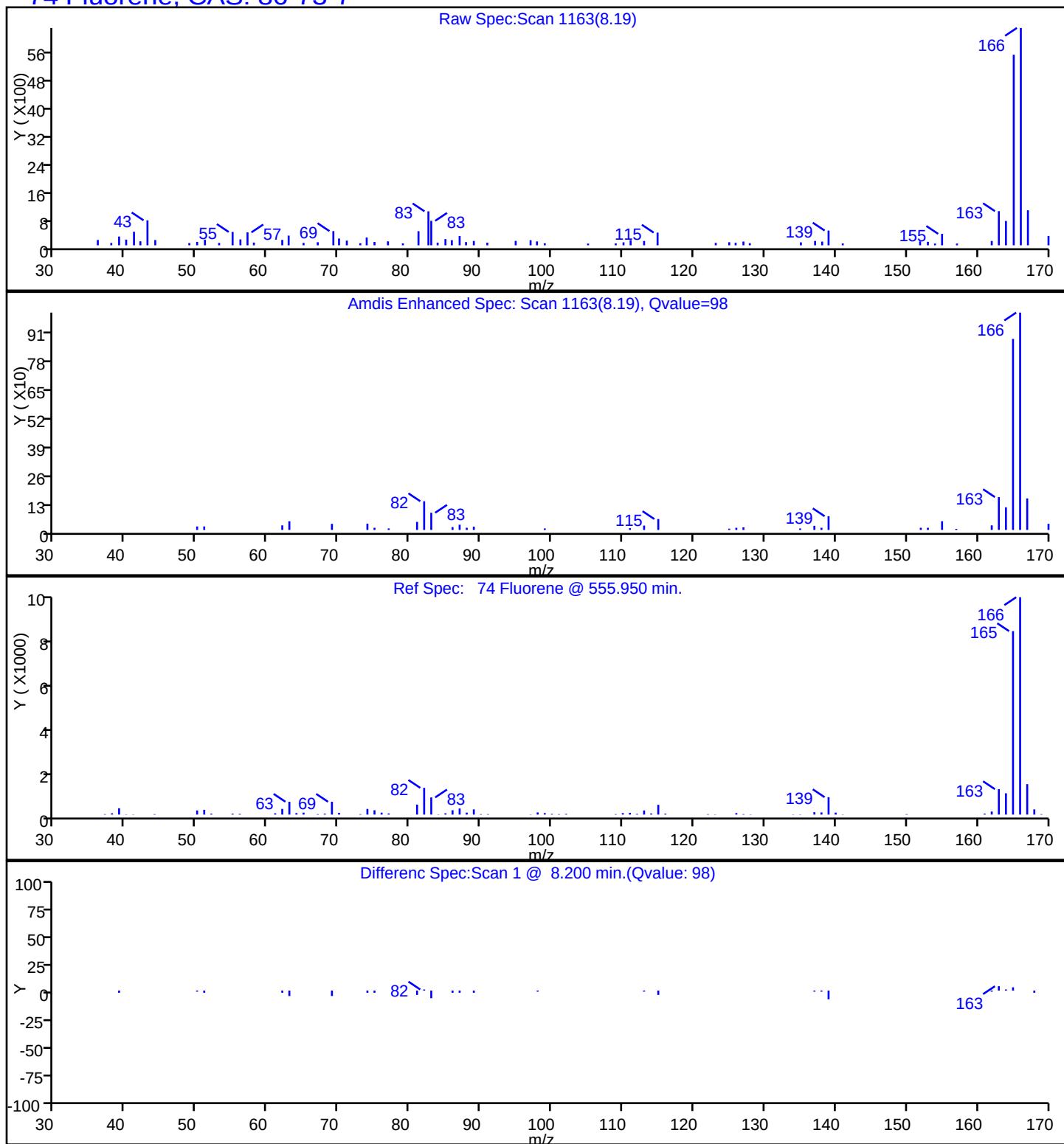
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

74 Fluorene, CAS: 86-73-7



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35650.D

Injection Date: 22-Aug-2015 12:35:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-1-A

Lab Sample ID: 460-99997-1

Client ID: ES-1

Operator ID:

ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 1.0 ul

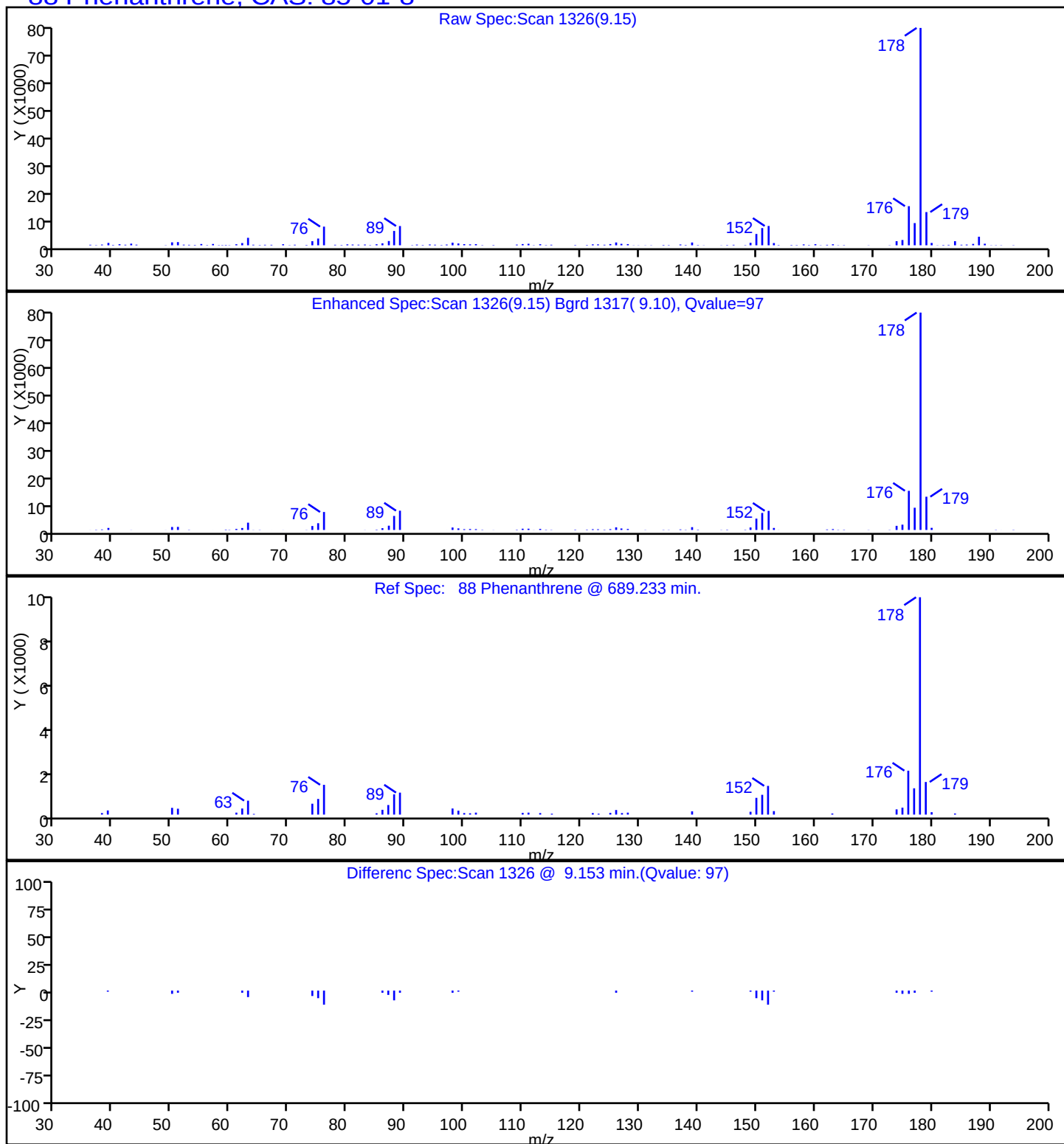
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

88 Phenanthrene, CAS: 85-01-8

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35650.D

Injection Date: 22-Aug-2015 12:35:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-1-A

Lab Sample ID: 460-99997-1

Client ID: ES-1

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

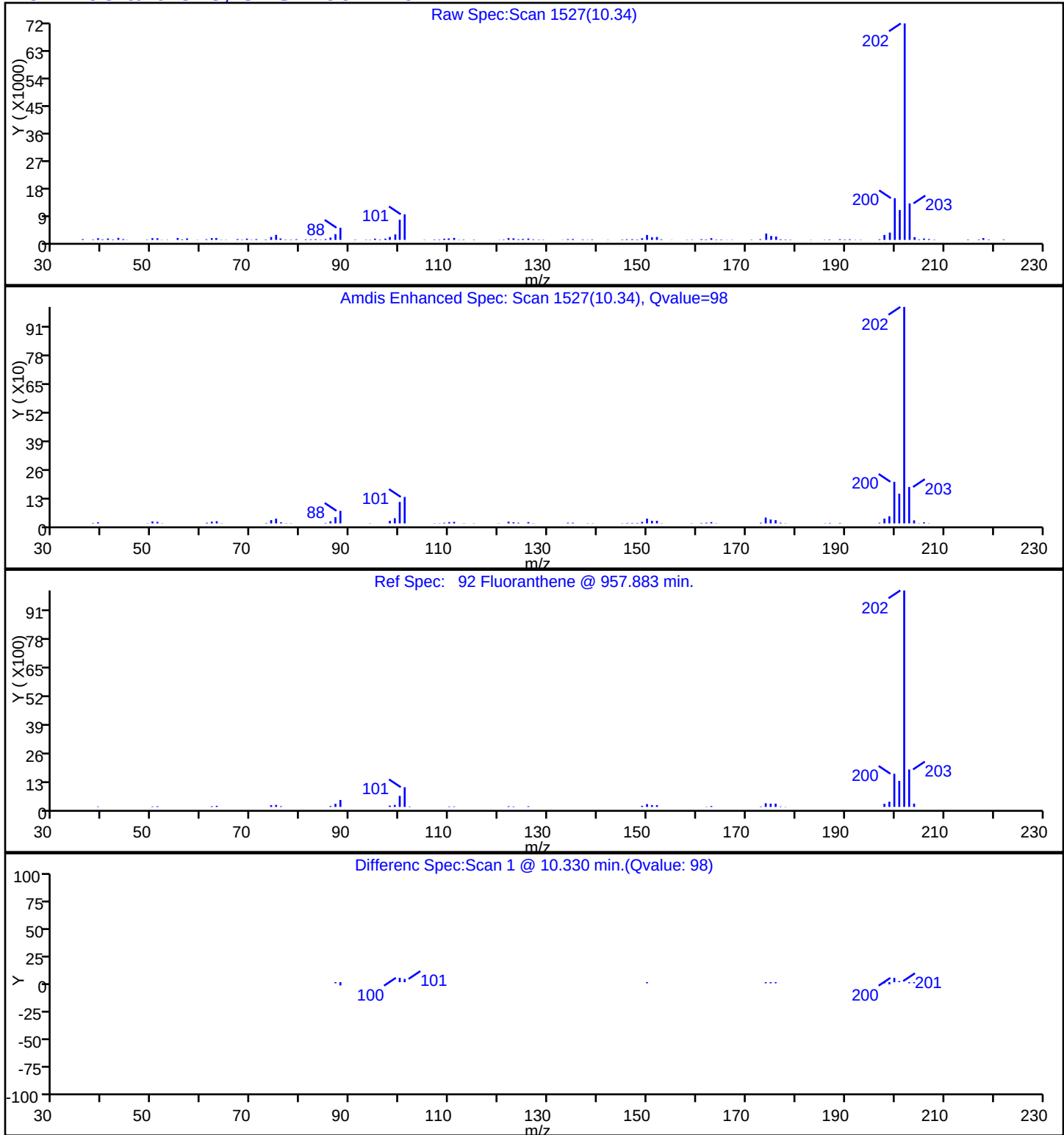
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

92 Fluoranthene, CAS: 206-44-0

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35650.D

Injection Date: 22-Aug-2015 12:35:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-1-A

Lab Sample ID: 460-99997-1

Client ID: ES-1

Operator ID:

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

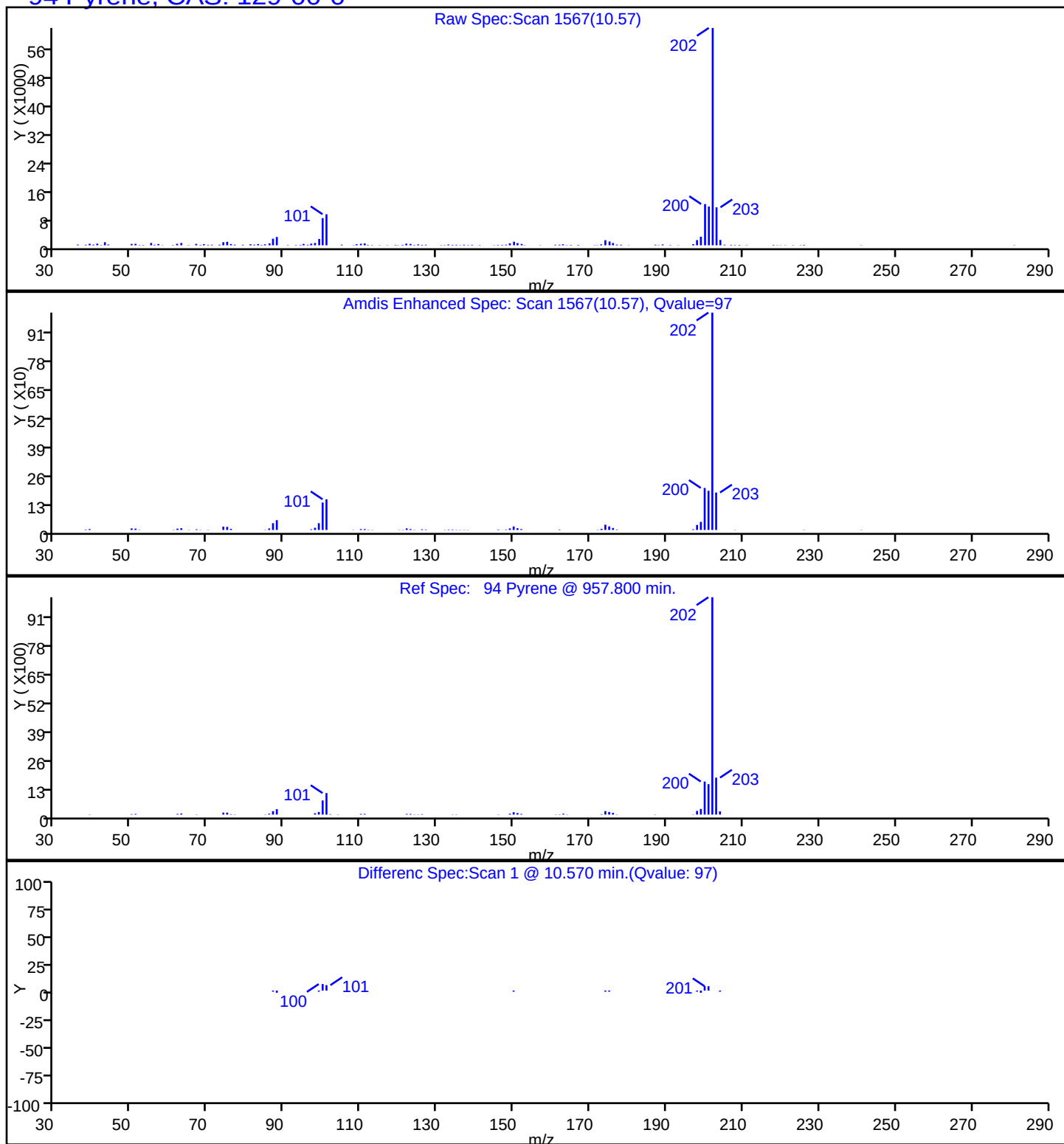
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

94 Pyrene, CAS: 129-00-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35650.D

Injection Date: 22-Aug-2015 12:35:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-1-A

Lab Sample ID: 460-99997-1

Client ID: ES-1

Operator ID:

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

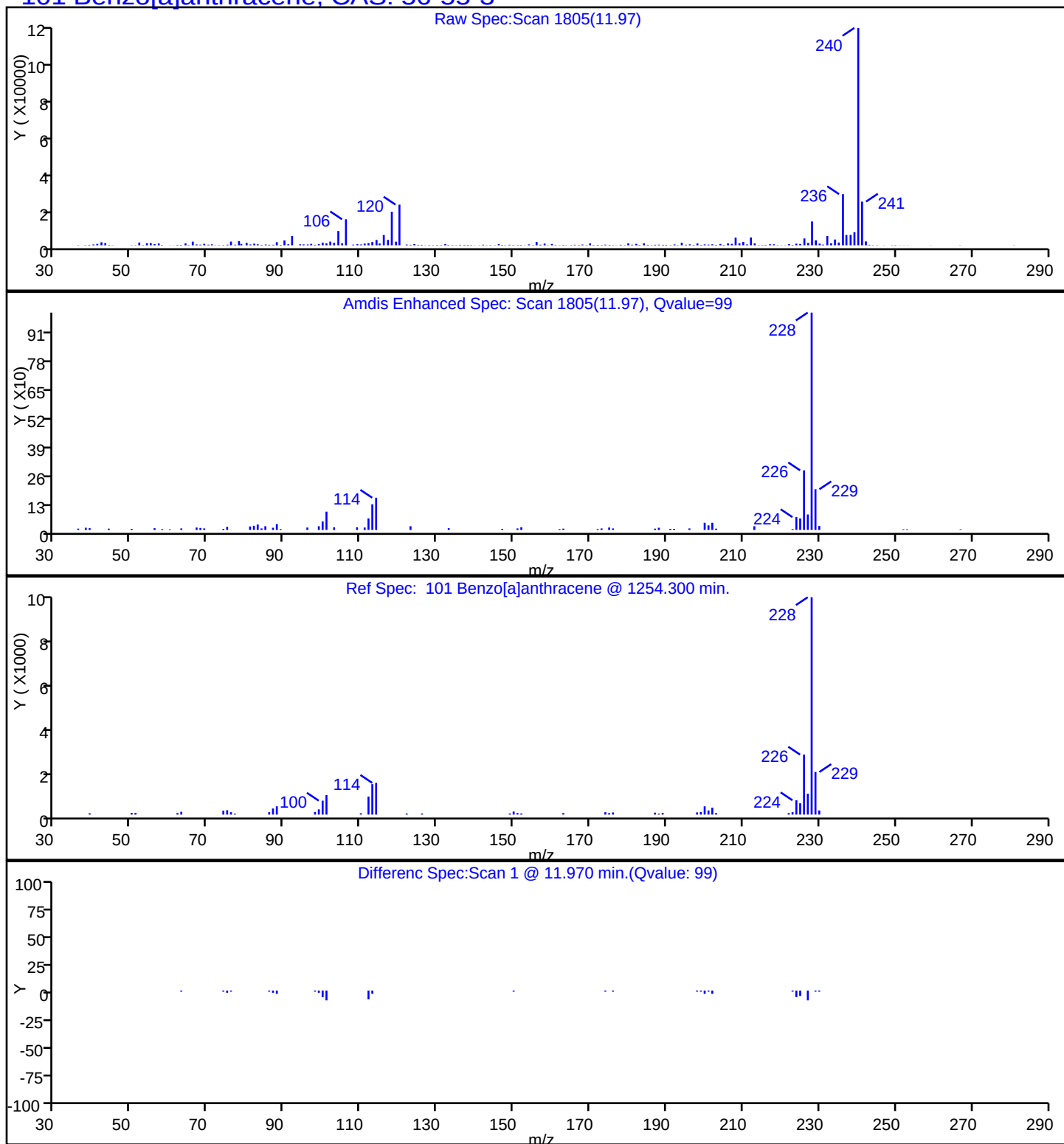
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

101 Benzo[a]anthracene, CAS: 56-55-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35650.D

Injection Date: 22-Aug-2015 12:35:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-1-A

Lab Sample ID: 460-99997-1

Client ID: ES-1

Operator ID:

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

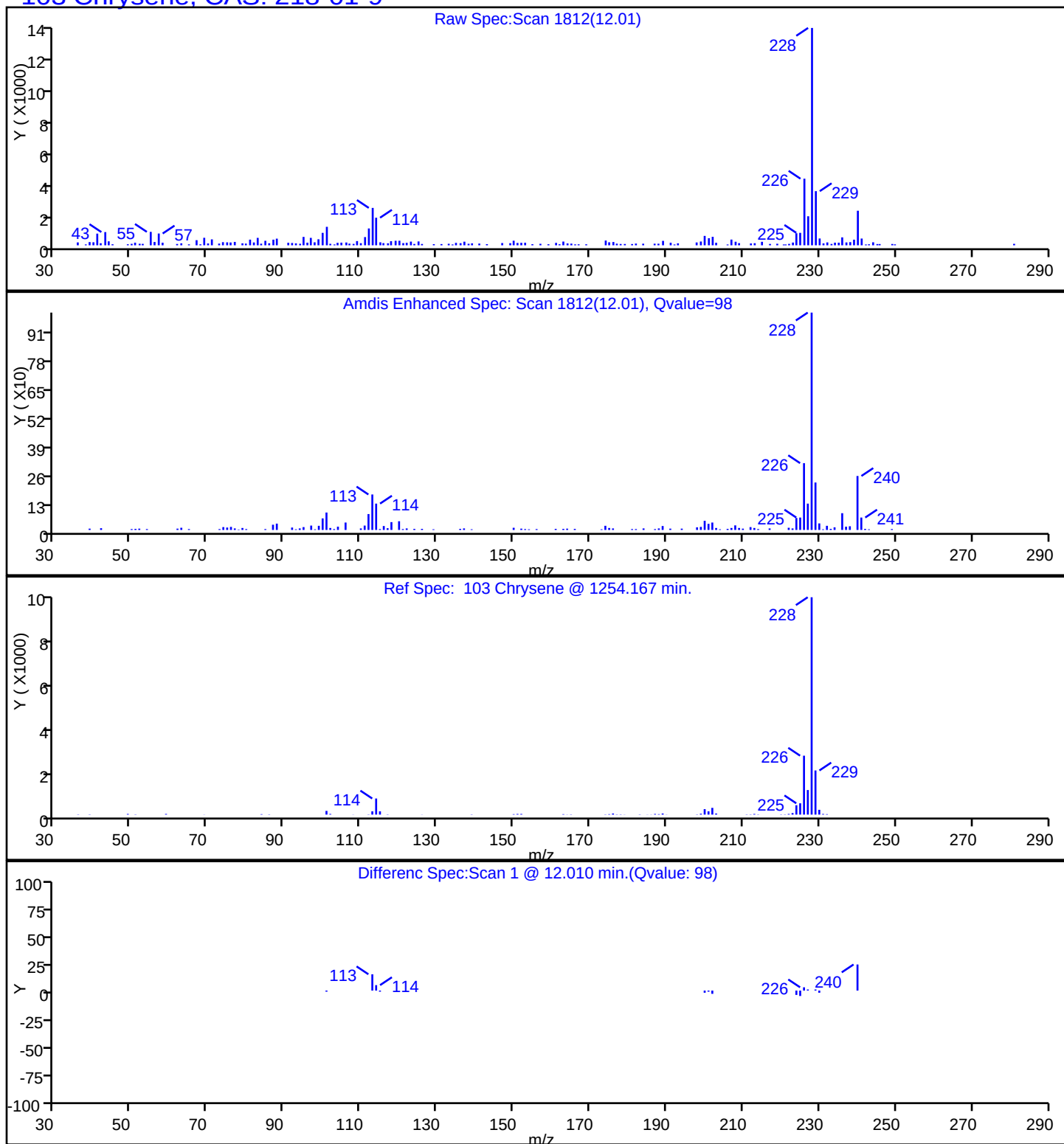
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

103 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35650.D

Injection Date: 22-Aug-2015 12:35:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-1-A

Lab Sample ID: 460-99997-1

Client ID: ES-1

Operator ID:

ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 1.0 ul

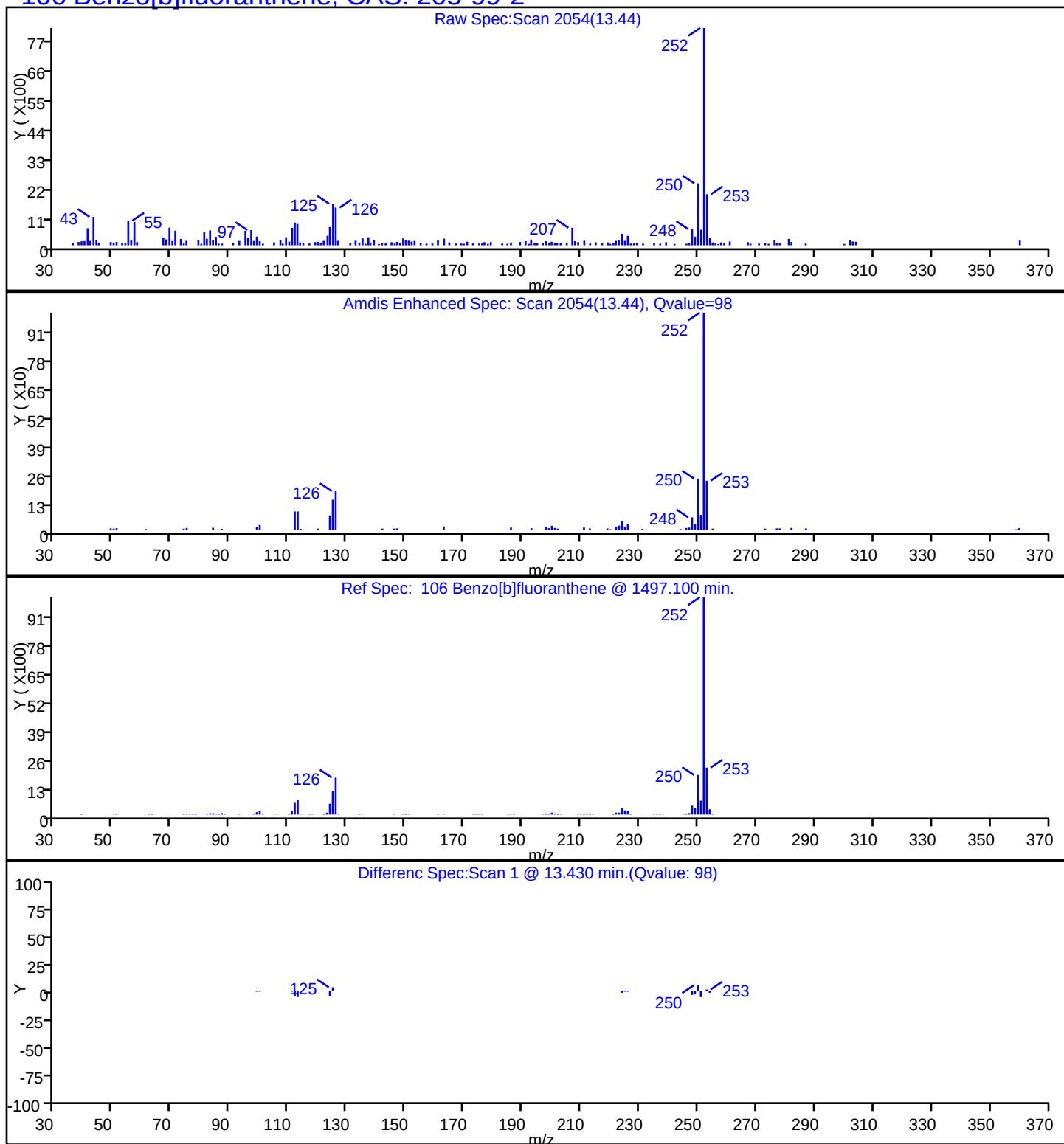
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

106 Benzo[b]fluoranthene, CAS: 205-99-2

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35650.D

Injection Date: 22-Aug-2015 12:35:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-1-A

Lab Sample ID: 460-99997-1

Client ID: ES-1

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

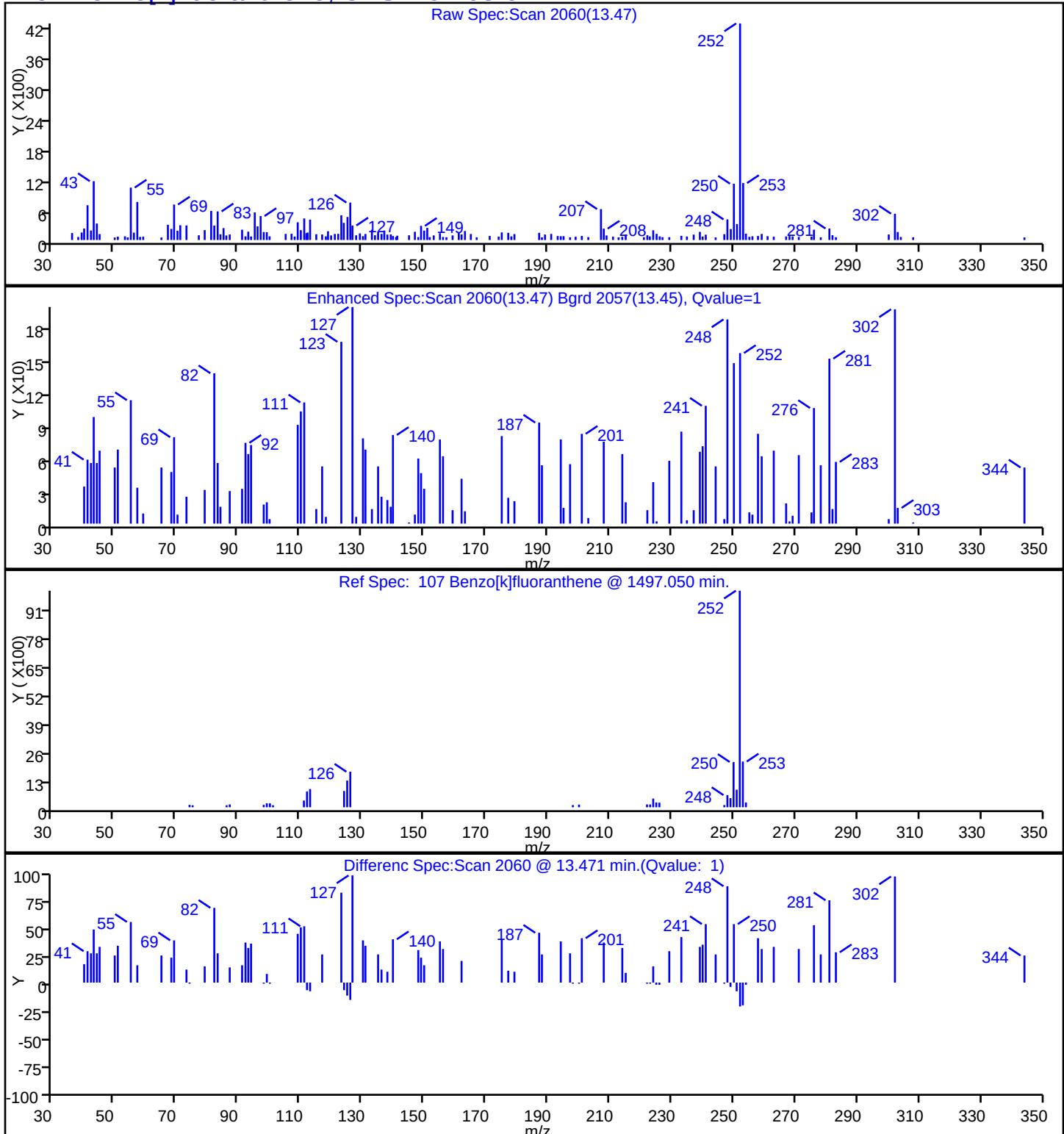
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

107 Benzo[k]fluoranthene, CAS: 207-08-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35650.D

Injection Date: 22-Aug-2015 12:35:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-1-A

Lab Sample ID: 460-99997-1

Client ID: ES-1

Operator ID:

ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 1.0 ul

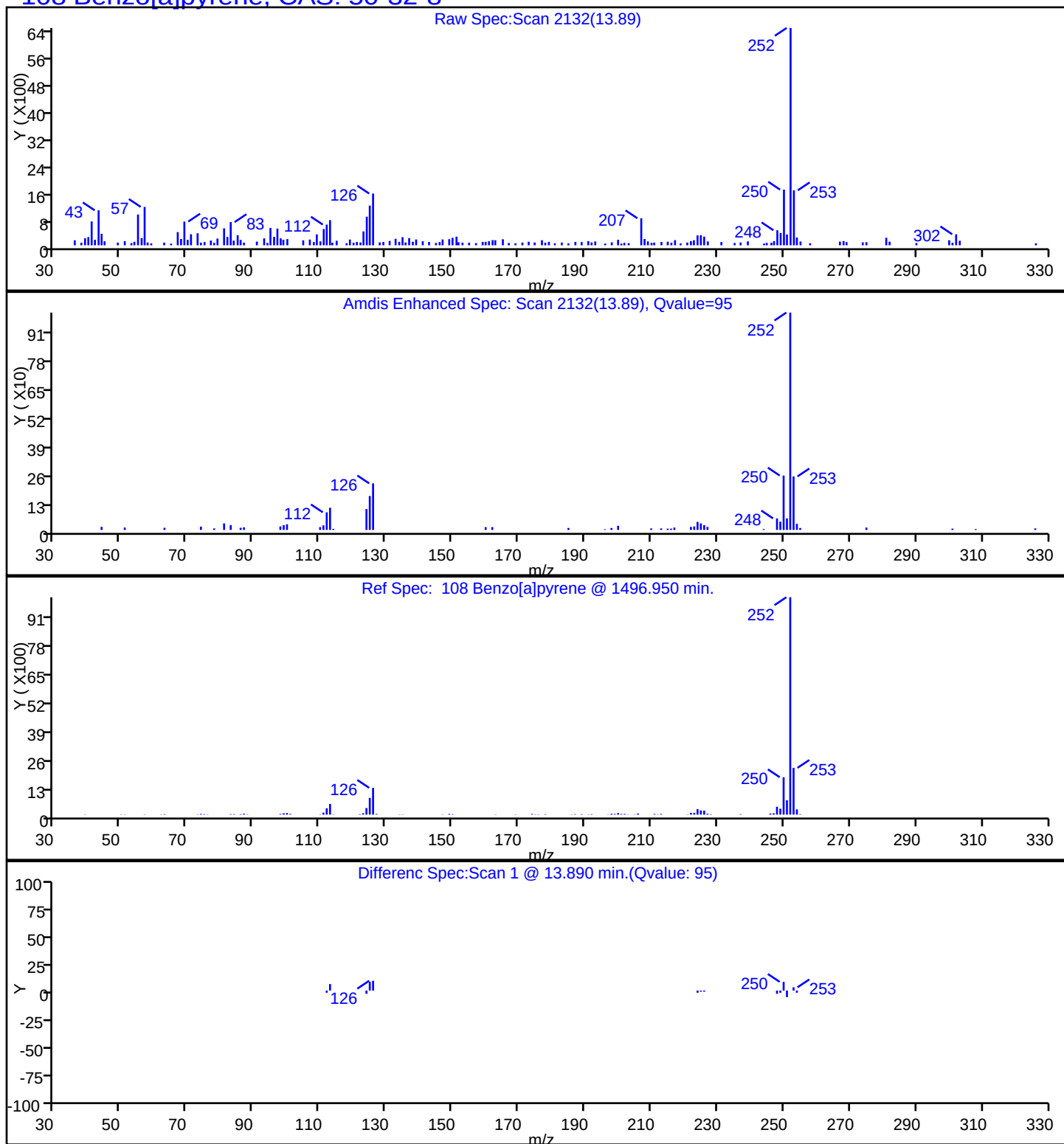
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

108 Benzo[a]pyrene, CAS: 50-32-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35650.D

Injection Date: 22-Aug-2015 12:35:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-1-A

Lab Sample ID: 460-99997-1

Client ID: ES-1

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

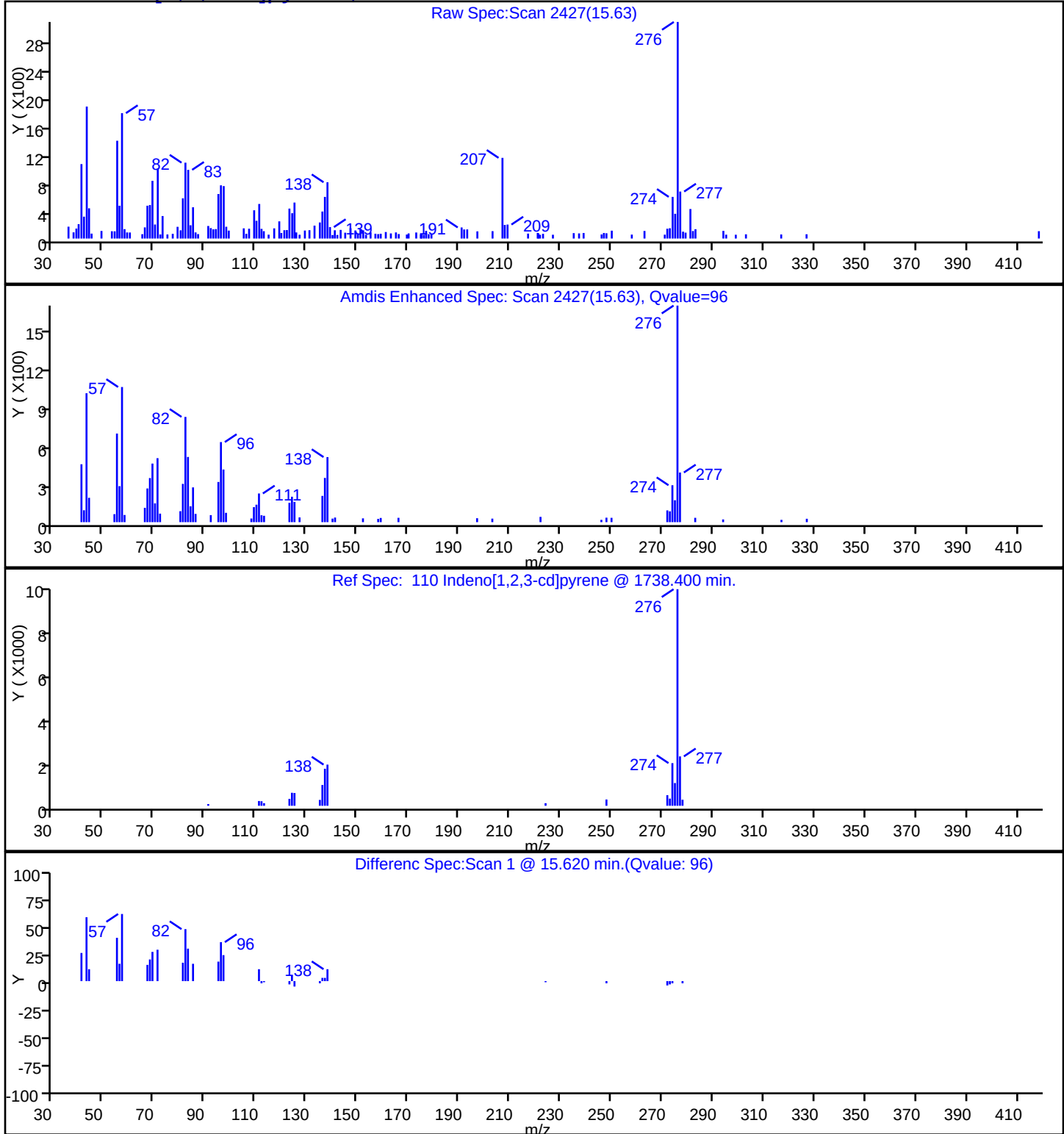
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35650.D

Injection Date: 22-Aug-2015 12:35:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-1-A

Lab Sample ID: 460-99997-1

Client ID: ES-1

Operator ID:

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

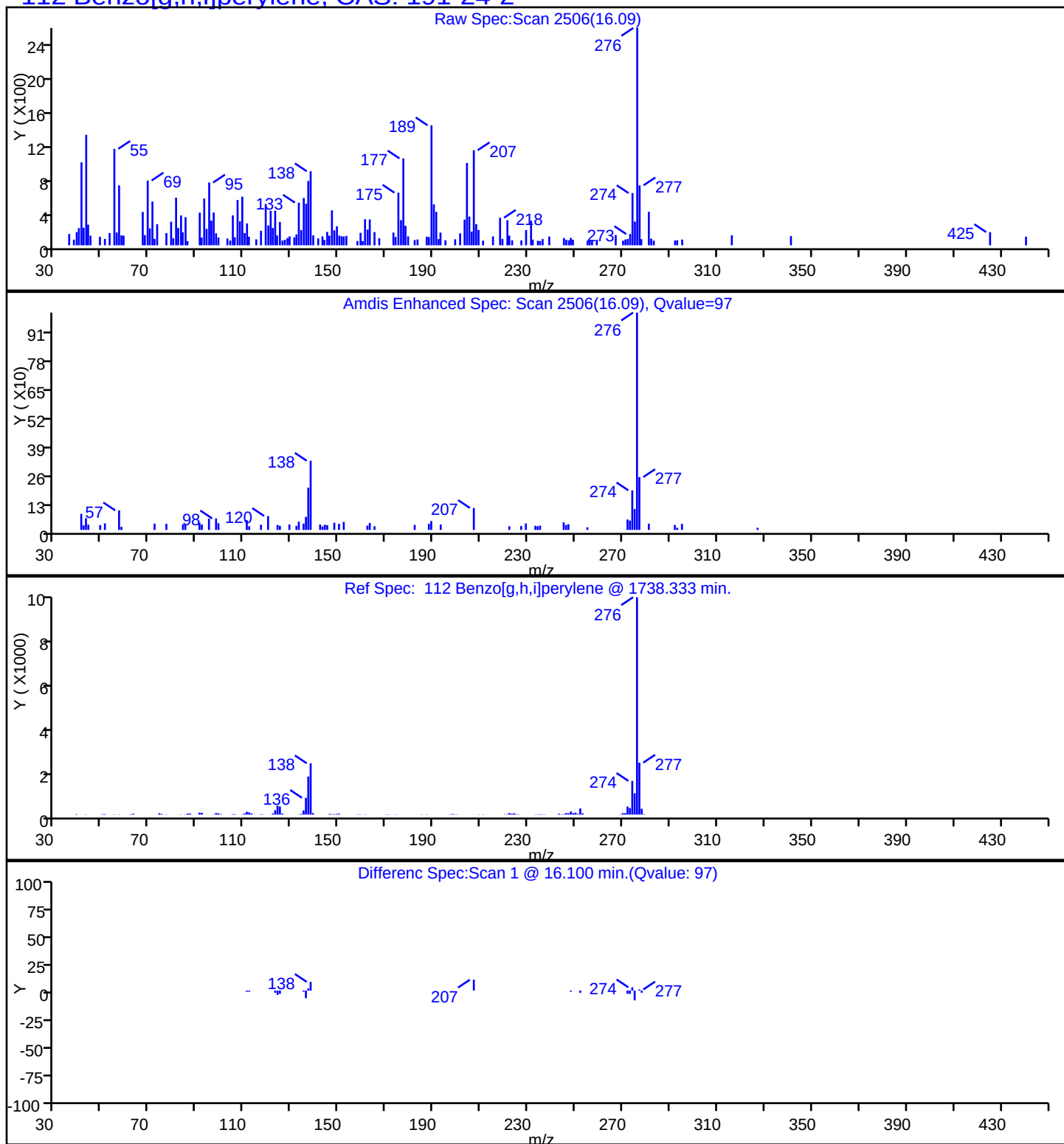
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

112 Benzo[g,h,i]perylene, CAS: 191-24-2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-2</u>	Lab Sample ID: <u>460-99997-2</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z35665.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>08/20/2015 09:01</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>08/21/2015 21:30</u>
Sample wt/vol: <u>15.0221(g)</u>	Date Analyzed: <u>08/22/2015 18:19</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>9.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318190</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.0092	U	0.36	0.0092
91-57-6	2-Methylnaphthalene	0.0080	U	0.36	0.0080
208-96-8	Acenaphthylene	0.0094	U	0.36	0.0094
83-32-9	Acenaphthene	0.010	J	0.36	0.0088
86-73-7	Fluorene	0.0079	U	0.36	0.0079
85-01-8	Phenanthrene	0.096	J	0.36	0.0097
120-12-7	Anthracene	0.035	U	0.36	0.035
206-44-0	Fluoranthene	0.15	J	0.36	0.011
129-00-0	Pyrene	0.13	J	0.36	0.017
56-55-3	Benzo[a]anthracene	0.079		0.036	0.030
218-01-9	Chrysene	0.099	J	0.36	0.0099
205-99-2	Benzo[b]fluoranthene	0.10		0.036	0.014
207-08-9	Benzo[k]fluoranthene	0.040		0.036	0.016
50-32-8	Benzo[a]pyrene	0.073		0.036	0.011
193-39-5	Indeno[1,2,3-cd]pyrene	0.059		0.036	0.024
53-70-3	Dibenz(a,h)anthracene	0.021	J	0.036	0.019
191-24-2	Benzo[g,h,i]perylene	0.068	J	0.36	0.021

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	82		30-130
1718-51-0	Terphenyl-d14	79		30-130
321-60-8	2-Fluorobiphenyl	92		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35665.D
 Lims ID: 460-99997-E-2-C Lab Sample ID: 460-99997-2
 Client ID: ES-2
 Sample Type: Client
 Inject. Date: 22-Aug-2015 18:19:30 ALS Bottle#: 25 Worklist Smp#: 25
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031003-025
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Aug-2015 11:05:06 Calib Date: 19-Aug-2015 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35546.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: szczecha

Date: 24-Aug-2015 11:05:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.483	3.336	0.147	94	402899	35.5	
\$ 6 Phenol-d5	99	4.265	4.259	0.006	86	476526	35.8	
* 14 1,4-Dichlorobenzene-d4	152	4.630	4.612	0.018	96	353295	40.0	
\$ 26 Nitrobenzene-d5	82	5.177	5.183	-0.006	90	421997	41.0	
* 38 Naphthalene-d8	136	5.900	5.894	0.006	99	1164386	40.0	
\$ 51 2-Fluorobiphenyl	172	6.982	6.983	-0.001	98	810949	46.0	
* 65 Acenaphthene-d10	164	7.659	7.659	0.000	93	476998	40.0	
67 Acenaphthene	154	7.688	7.700	-0.012	92	2034	0.1425	
\$ 80 2,4,6-Tribromophenol	330	8.441	8.447	-0.006	94	58046	39.2	
* 87 Phenanthrene-d10	188	9.129	9.129	0.000	99	515673	40.0	
88 Phenanthrene	178	9.153	9.165	-0.012	95	19502	1.31	
90 Carbazole	167	9.359	9.365	-0.006	94	1942	0.1601	
92 Fluoranthene	202	10.335	10.341	-0.006	98	23782	2.08	
94 Pyrene	202	10.570	10.576	-0.006	98	23653	1.71	
\$ 96 Terphenyl-d14	244	10.723	10.729	-0.006	99	331081	39.3	
97 Butyl benzyl phthalate	149	11.265	11.271	-0.006	85	1192	0.2479	
101 Benzo[a]anthracene	228	11.970	11.976	-0.006	98	8980	1.07	
* 102 Chrysene-d12	240	11.982	11.982	0.000	99	279922	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.988	11.994	-0.006	51	2524	0.4029	
103 Chrysene	228	12.012	12.023	-0.011	98	10066	1.34	
106 Benzo[b]fluoranthene	252	13.441	13.447	-0.006	97	13375	1.42	
107 Benzo[k]fluoranthene	252	13.476	13.482	-0.006	90	5173	0.5513	M
108 Benzo[a]pyrene	252	13.900	13.906	-0.006	96	8260	1.00	
* 109 Perylene-d12	264	13.988	13.982	0.006	97	311519	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.635	15.647	-0.012	96	5126	0.8091	
111 Dibenzo(a,h)anthracene	278	15.670	15.676	-0.006	18	1819	0.2829	
112 Benzo[g,h,i]perylene	276	16.111	16.117	-0.006	96	6399	0.9312	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SM_ISTD_00091

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35665.D

Injection Date: 22-Aug-2015 18:19:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: 460-99997-E-2-C

Lab Sample ID: 460-99997-2

Worklist Smp#: 25

Client ID: ES-2

Injection Vol: 1.0 ul

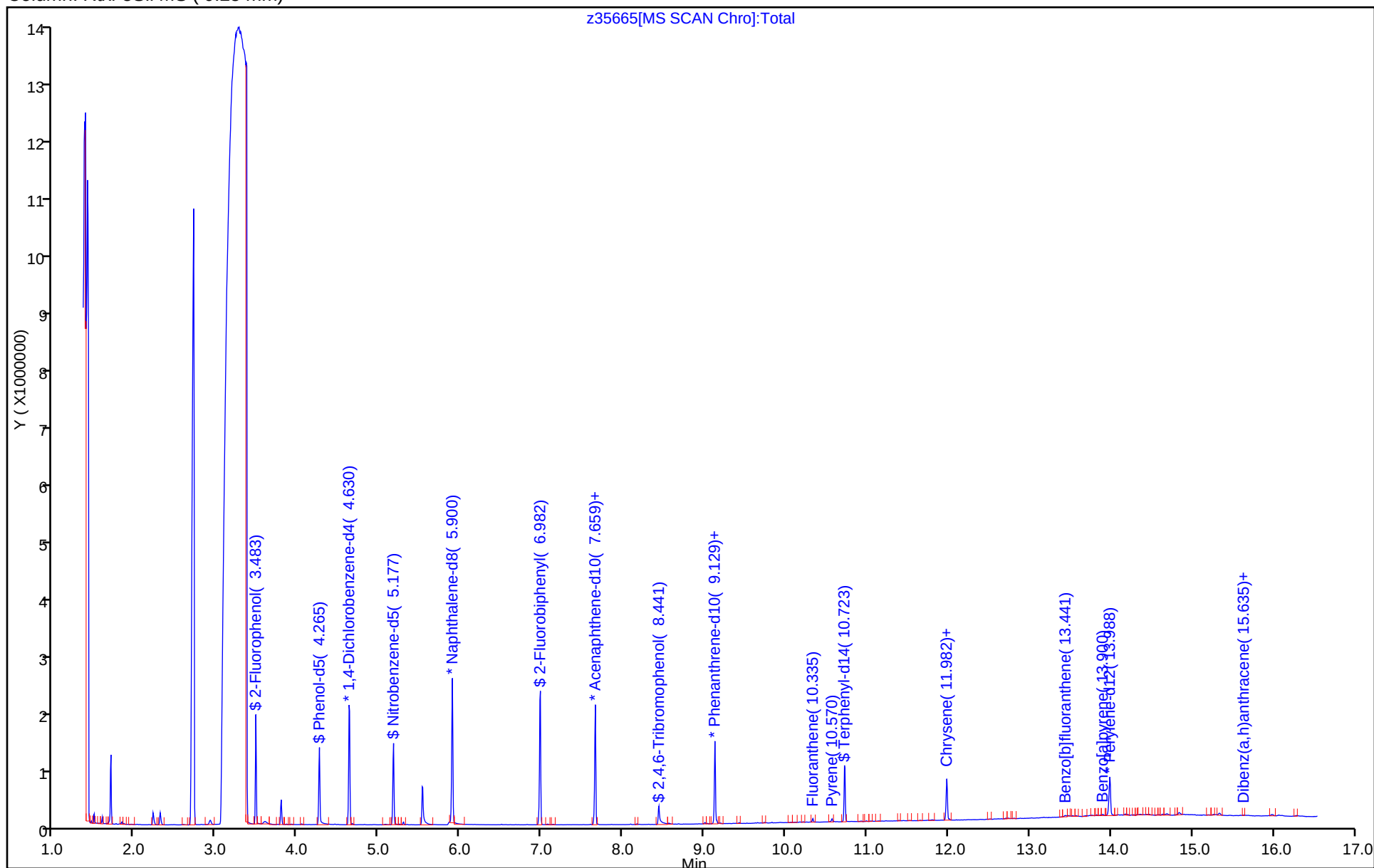
Dil. Factor: 1.0000

ALS Bottle#: 25

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35665.D

Injection Date: 22-Aug-2015 18:19:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-2-C

Lab Sample ID: 460-99997-2

Client ID: ES-2

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

25

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

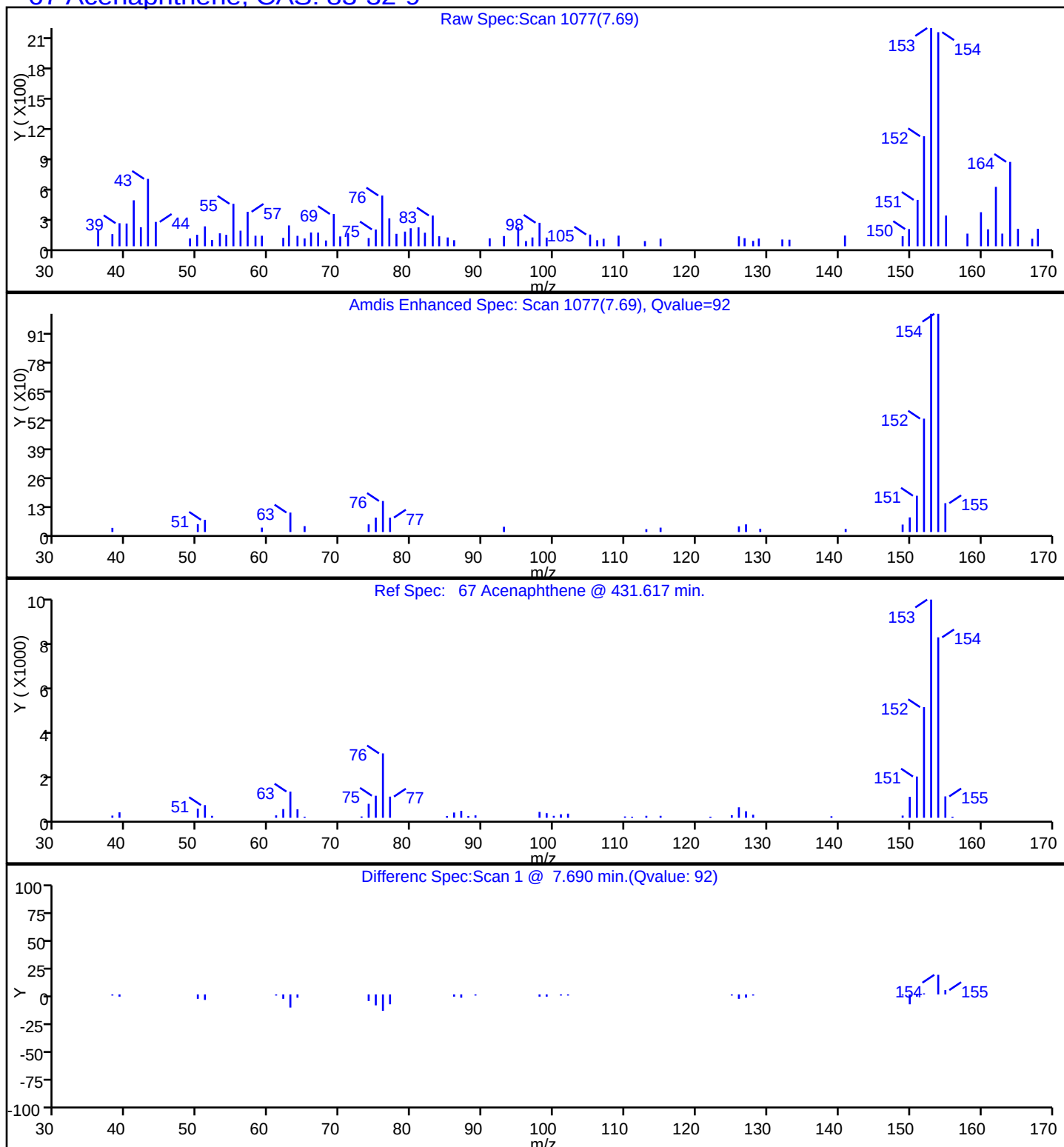
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

67 Acenaphthene, CAS: 83-32-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35665.D

Injection Date: 22-Aug-2015 18:19:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-2-C

Lab Sample ID: 460-99997-2

Client ID: ES-2

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

25

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

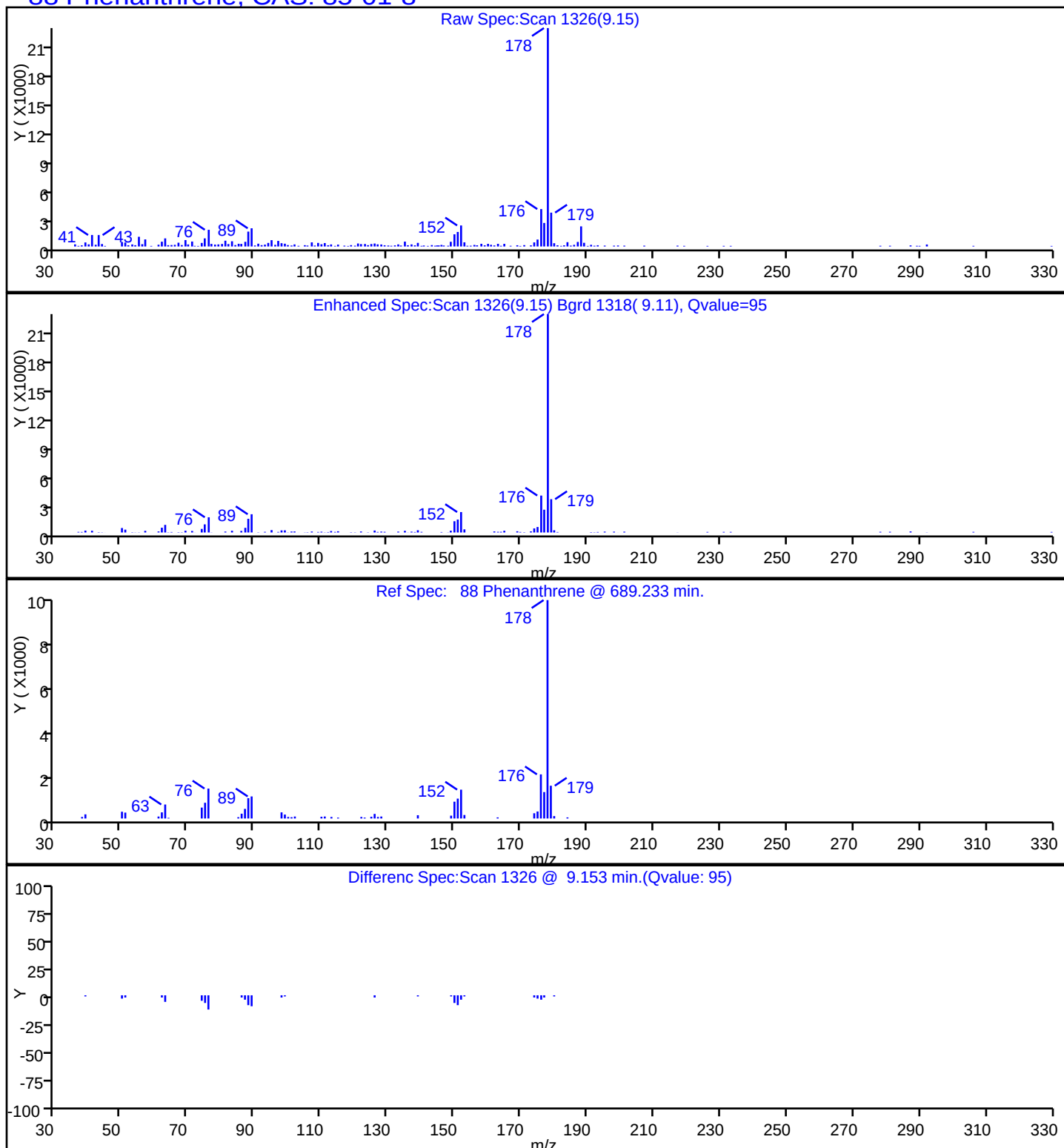
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

88 Phenanthrene, CAS: 85-01-8

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35665.D

Injection Date: 22-Aug-2015 18:19:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-2-C

Lab Sample ID: 460-99997-2

Client ID: ES-2

Operator ID:

ALS Bottle#: 25

Worklist Smp#: 25

Injection Vol: 1.0 ul

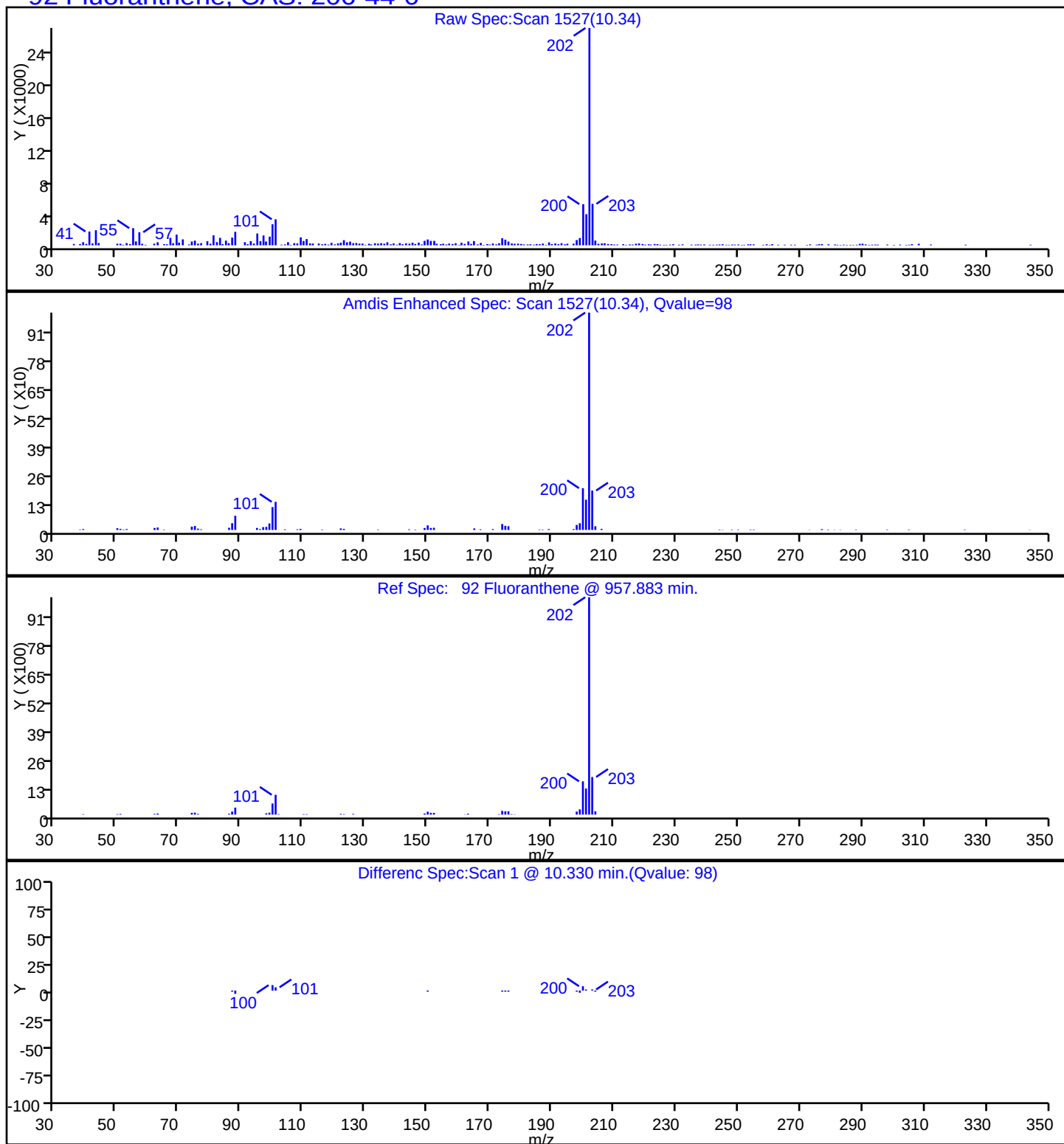
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

92 Fluoranthene, CAS: 206-44-0

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35665.D

Injection Date: 22-Aug-2015 18:19:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-2-C

Lab Sample ID: 460-99997-2

Client ID: ES-2

Operator ID:

ALS Bottle#: 25

Worklist Smp#: 25

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

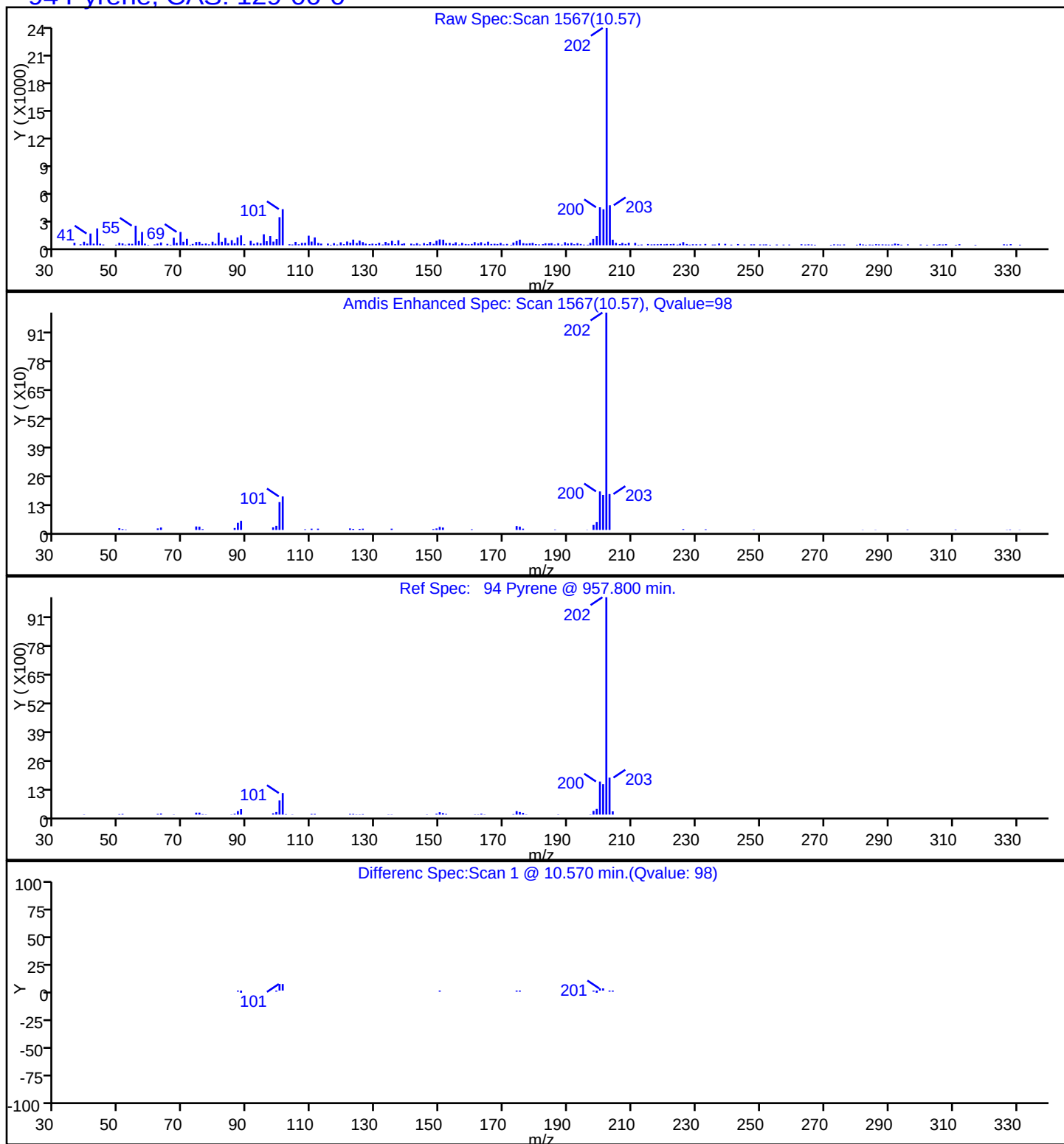
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

94 Pyrene, CAS: 129-00-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35665.D

Injection Date: 22-Aug-2015 18:19:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-2-C

Lab Sample ID: 460-99997-2

Client ID: ES-2

Operator ID:

ALS Bottle#: 25

Worklist Smp#: 25

Injection Vol: 1.0 ul

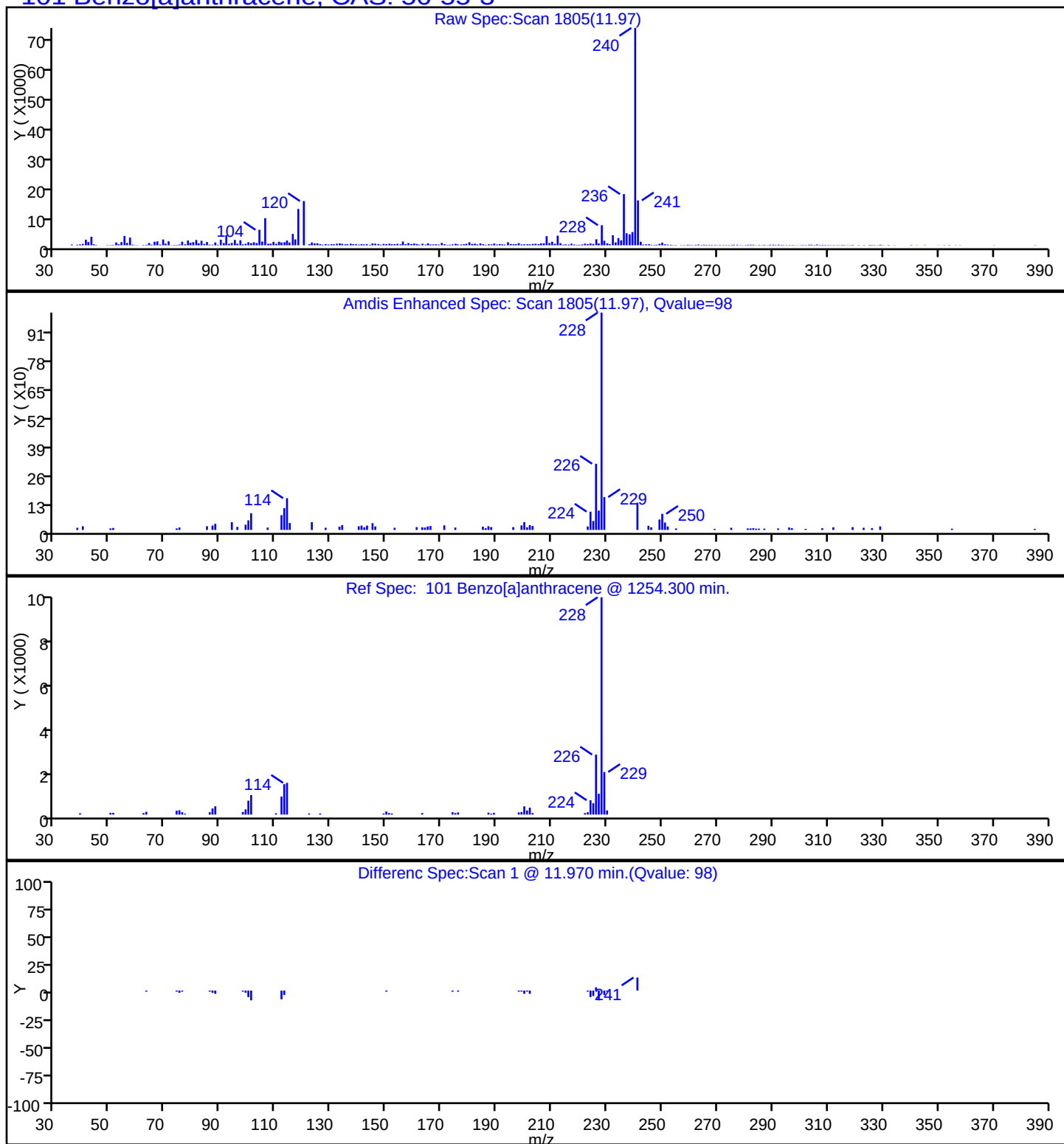
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

101 Benzo[a]anthracene, CAS: 56-55-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35665.D

Injection Date: 22-Aug-2015 18:19:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-2-C

Lab Sample ID: 460-99997-2

Client ID: ES-2

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

25

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

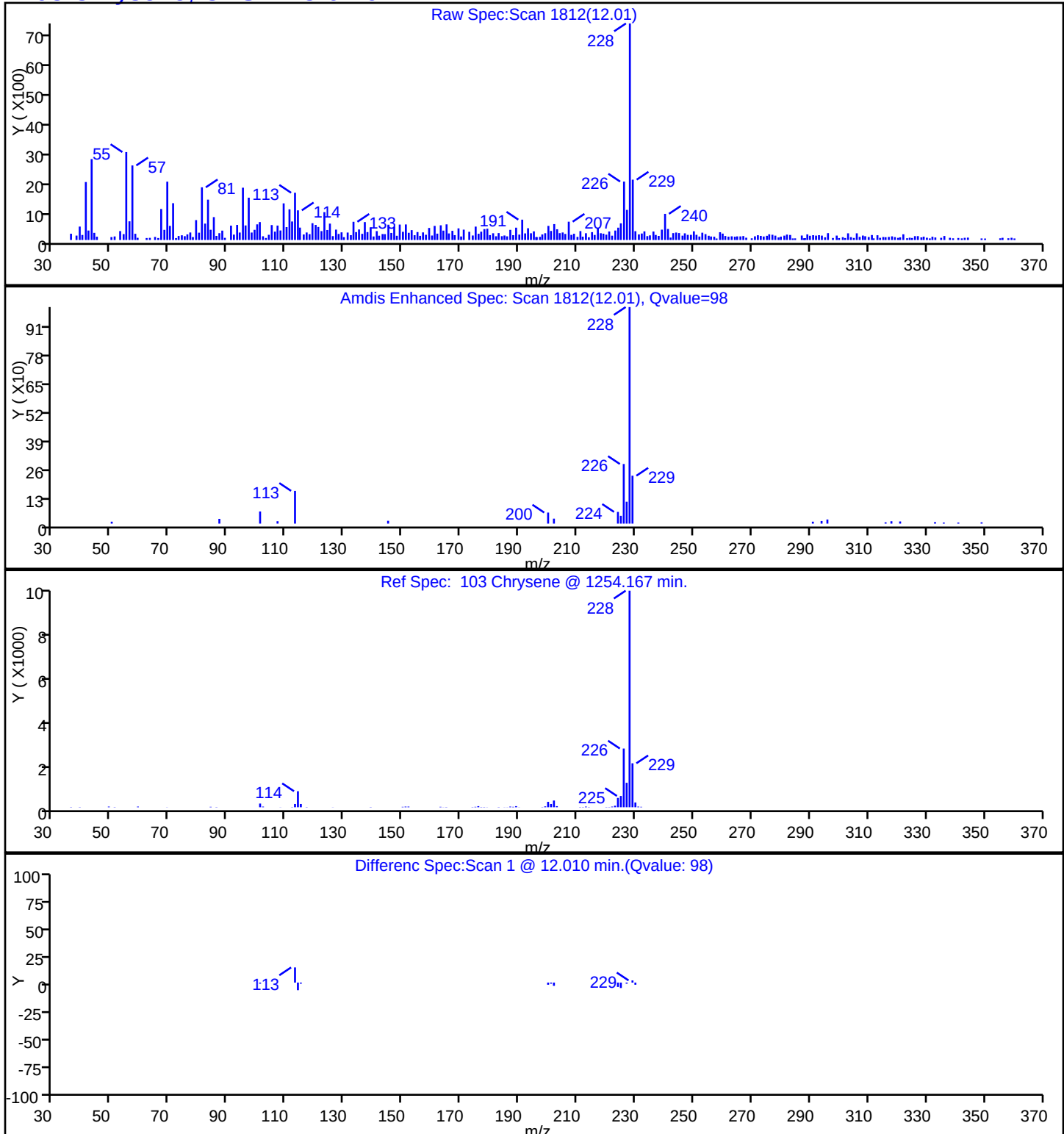
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

103 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35665.D

Injection Date: 22-Aug-2015 18:19:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-2-C

Lab Sample ID: 460-99997-2

Client ID: ES-2

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

25

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

Limit Group:

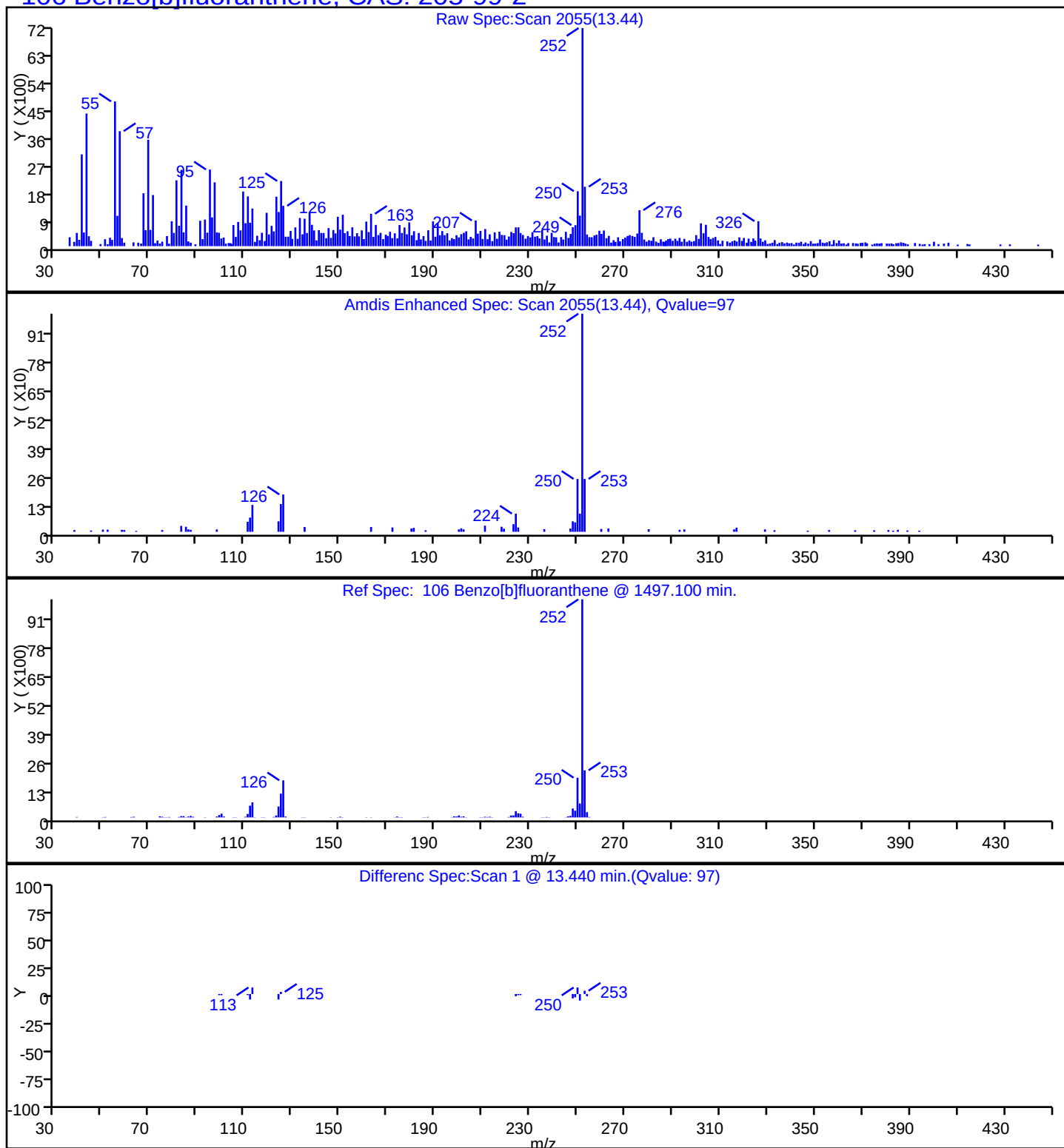
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

106 Benzo[b]fluoranthene, CAS: 205-99-2



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35665.D

Injection Date: 22-Aug-2015 18:19:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-2-C

Lab Sample ID: 460-99997-2

Client ID: ES-2

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

25

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

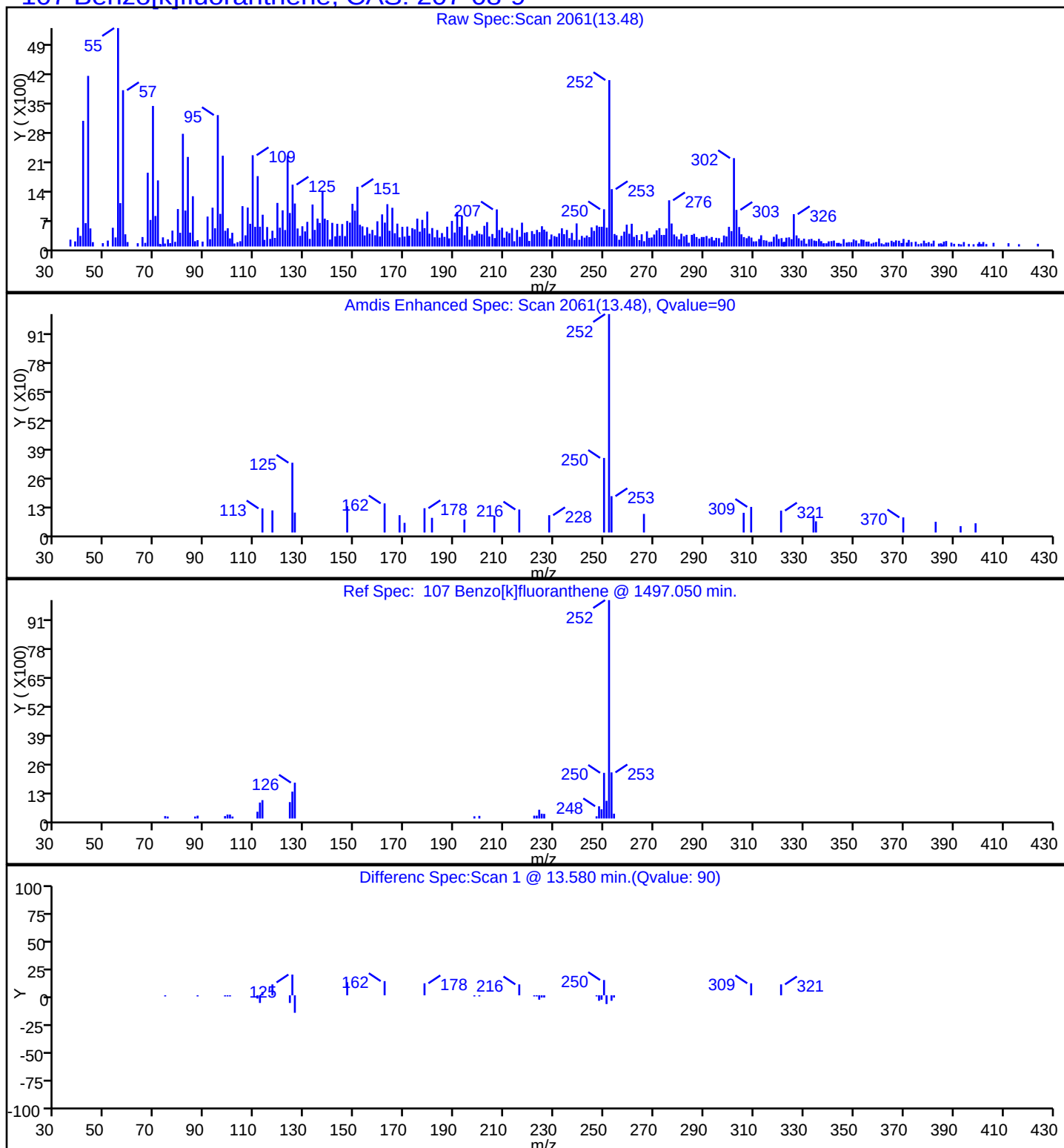
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

107 Benzo[k]fluoranthene, CAS: 207-08-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35665.D

Injection Date: 22-Aug-2015 18:19:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-2-C

Lab Sample ID: 460-99997-2

Client ID: ES-2

Operator ID:

ALS Bottle#: 25

Worklist Smp#: 25

Injection Vol: 1.0 ul

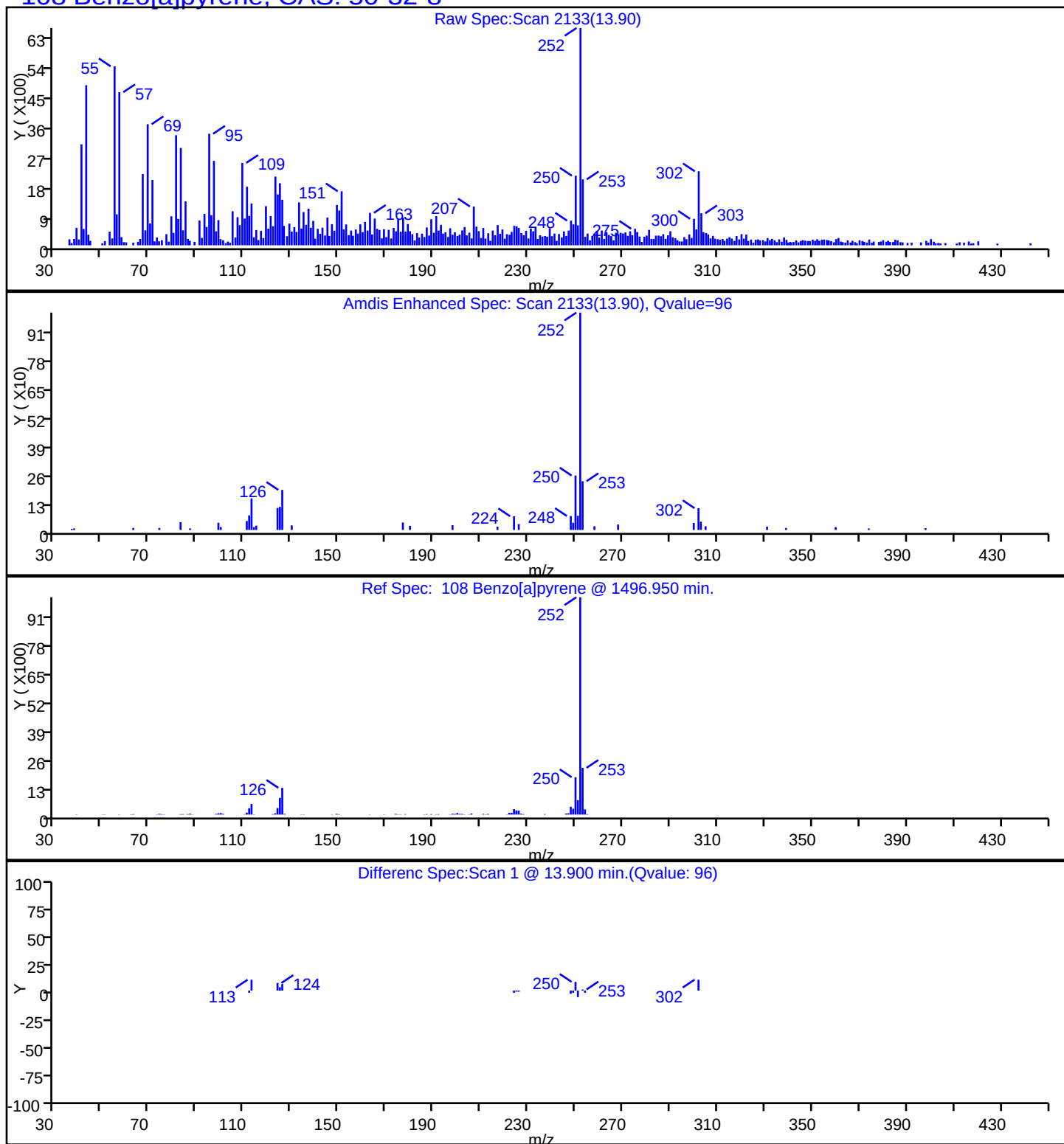
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

108 Benzo[a]pyrene, CAS: 50-32-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35665.D

Injection Date: 22-Aug-2015 18:19:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-2-C

Lab Sample ID: 460-99997-2

Client ID: ES-2

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

25

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

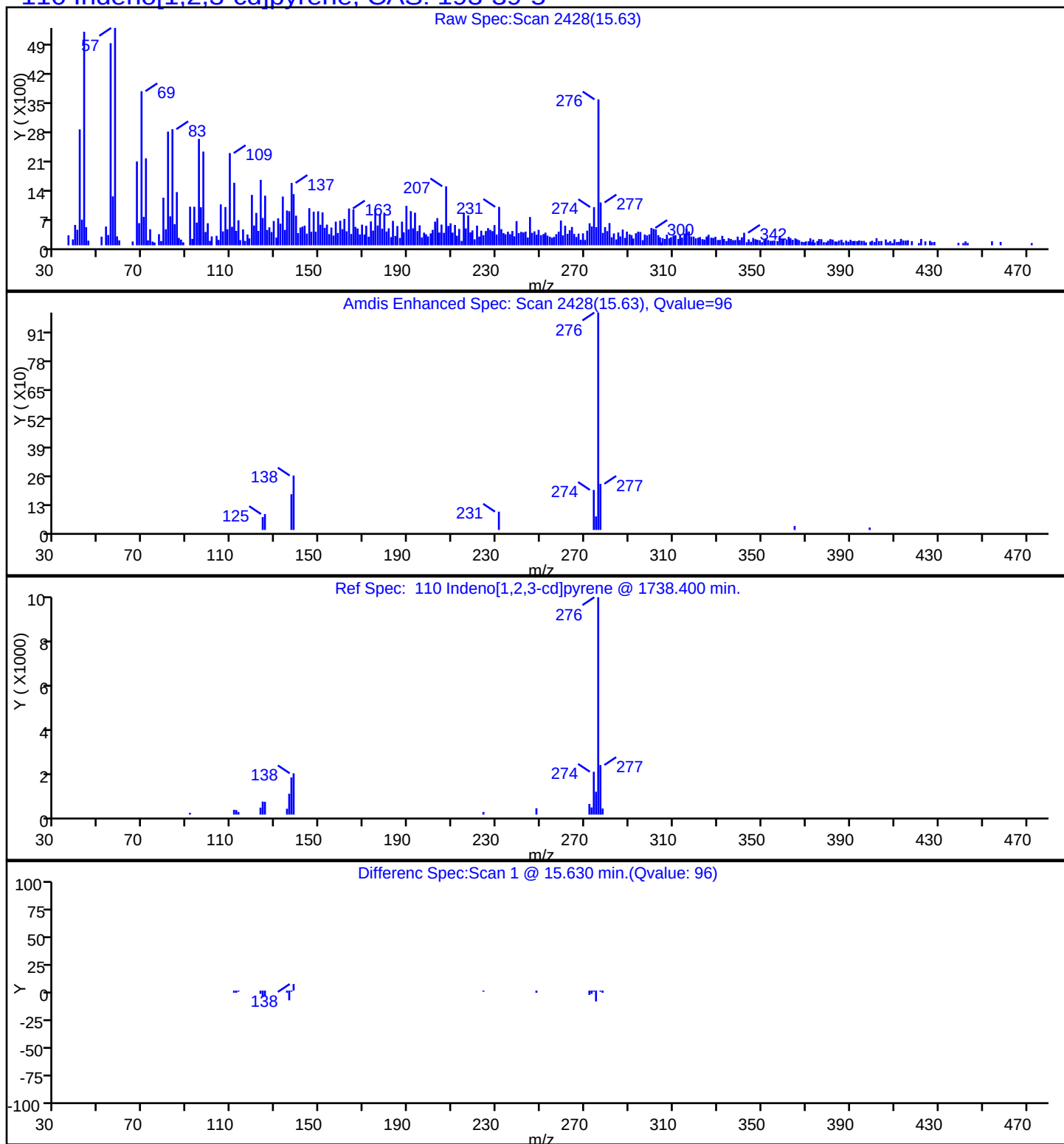
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35665.D

Injection Date: 22-Aug-2015 18:19:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-2-C

Lab Sample ID: 460-99997-2

Client ID: ES-2

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

25

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

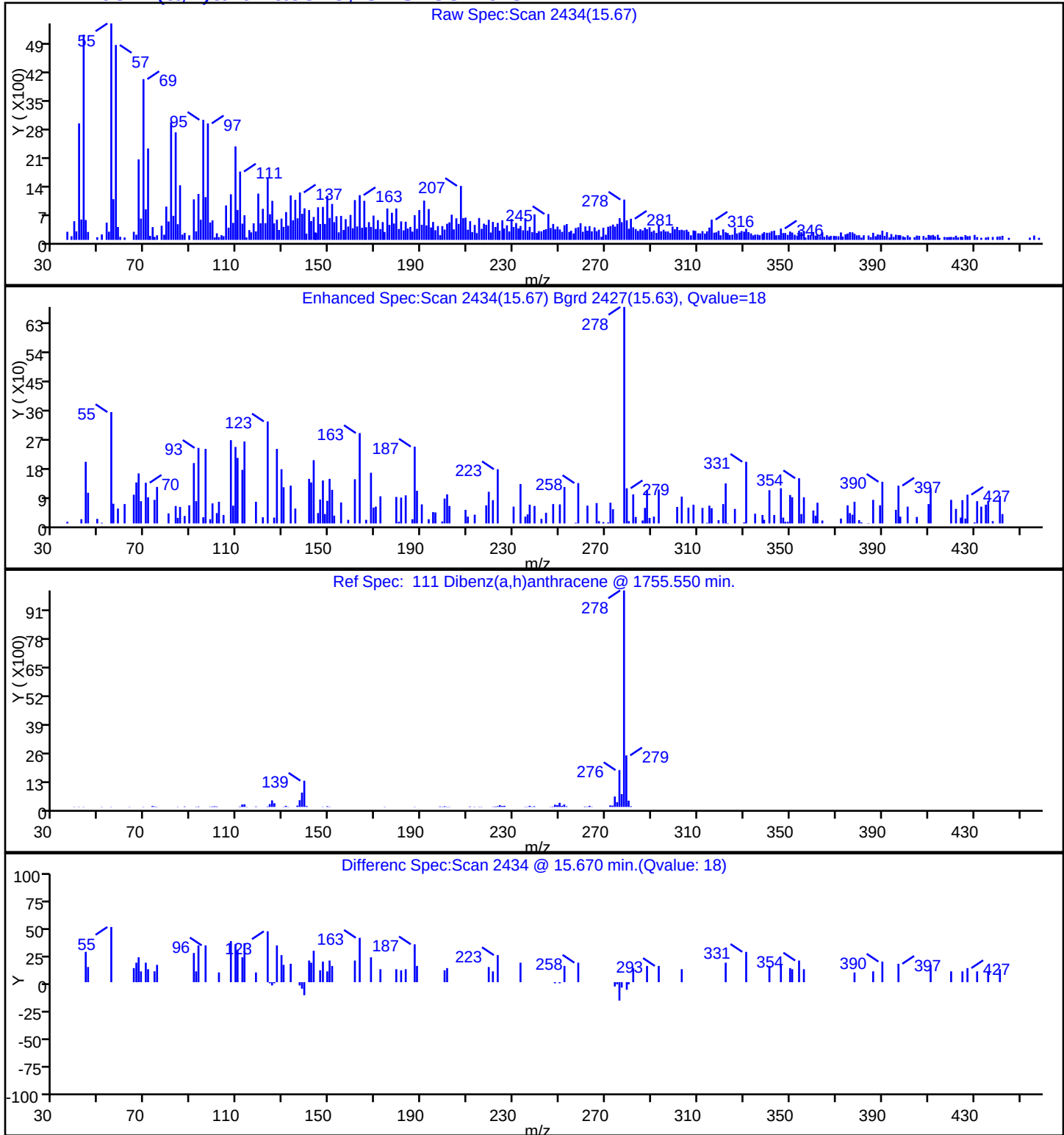
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

111 Dibenz(a,h)anthracene, CAS: 53-70-3

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35665.D

Injection Date: 22-Aug-2015 18:19:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-2-C

Lab Sample ID: 460-99997-2

Client ID: ES-2

Operator ID:

ALS Bottle#: 25

Worklist Smp#: 25

Injection Vol: 1.0 ul

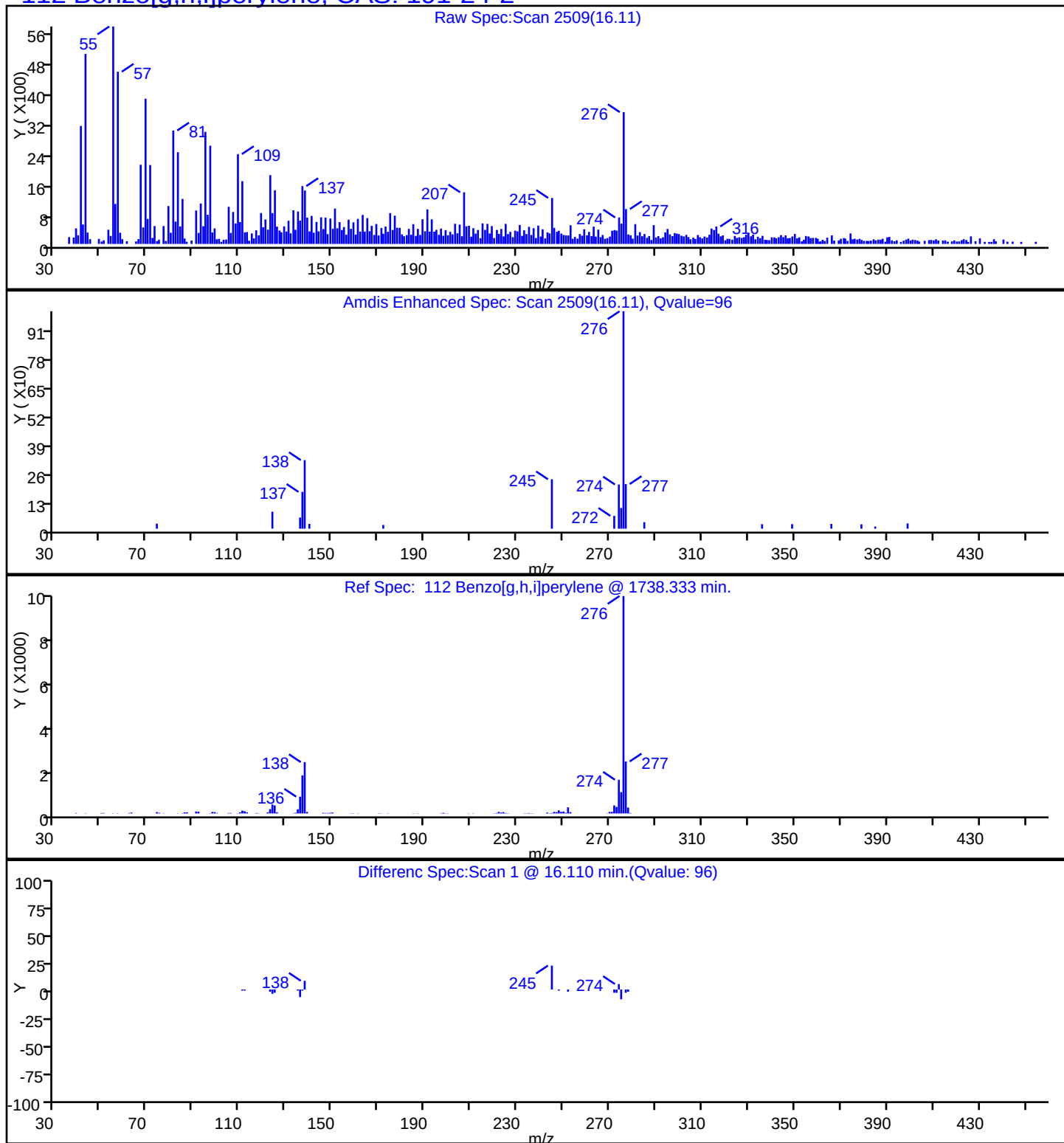
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

112 Benzo[g,h,i]perylene, CAS: 191-24-2

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35665.D

Injection Date: 22-Aug-2015 18:19:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-2-C

Lab Sample ID: 460-99997-2

Client ID: ES-2

Operator ID:

ALS Bottle#:

25

Worklist Smp#: 25

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

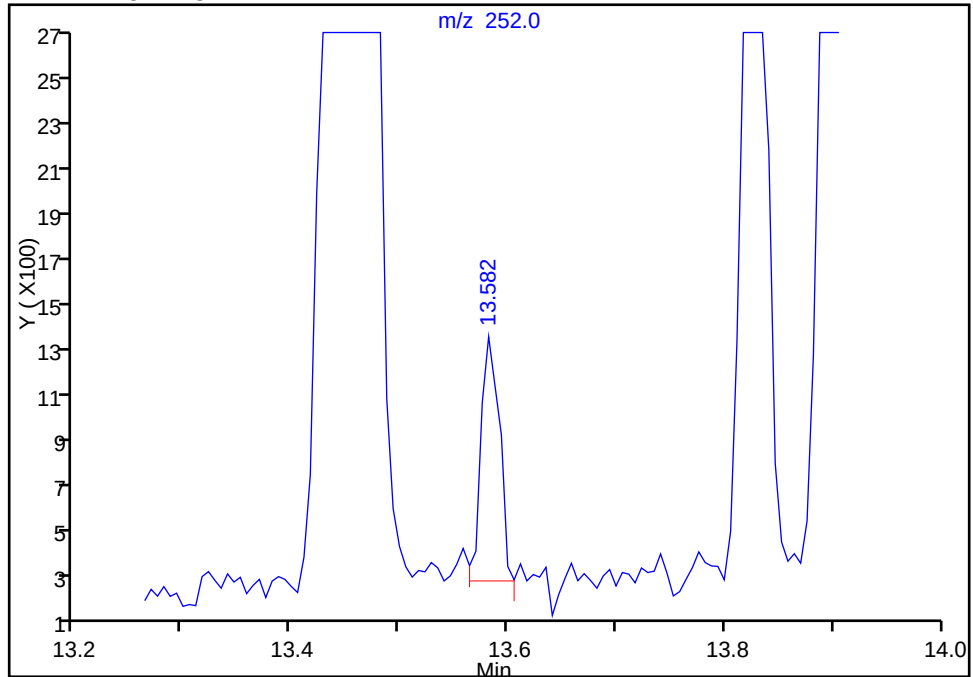
Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

107 Benzo[k]fluoranthene, CAS: 207-08-9

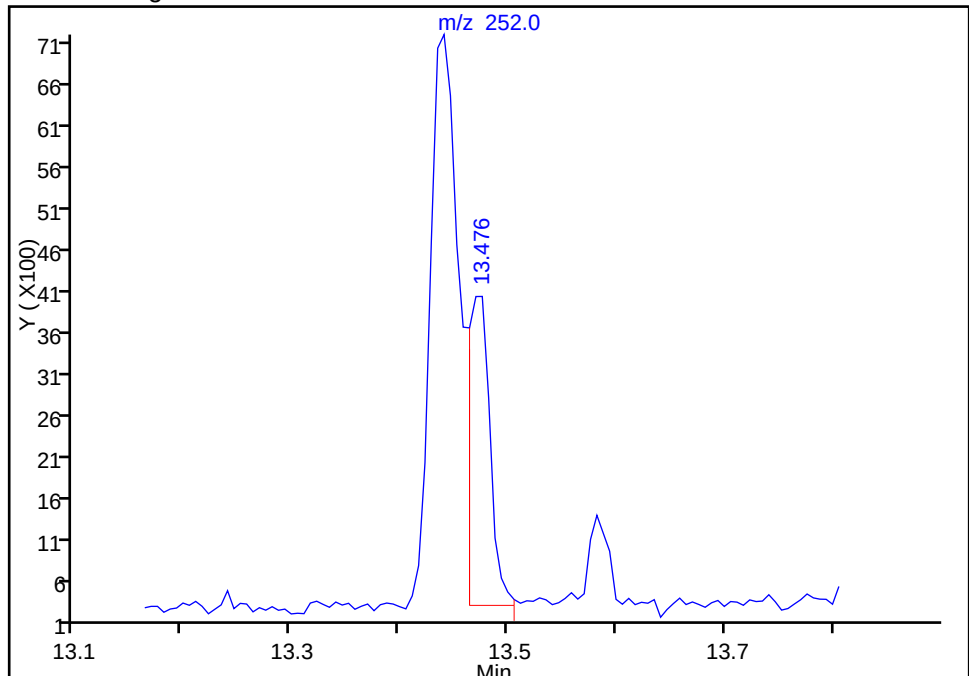
RT: 13.58
Area: 1282
Amount: 0.136632
Amount Units: ug/ml

Processing Integration Results



RT: 13.48
Area: 5173
Amount: 0.551324
Amount Units: ug/ml

Manual Integration Results



Reviewer: zhaoc, 23-Aug-2015 14:52:26

Audit Action: Manually Integrated

Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-3</u>	Lab Sample ID: <u>460-99997-3</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z35690.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>08/20/2015 09:25</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>08/21/2015 21:30</u>
Sample wt/vol: <u>15.0130(g)</u>	Date Analyzed: <u>08/24/2015 12:57</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>11.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318357</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.019	U	0.74	0.019
91-57-6	2-Methylnaphthalene	0.016	U	0.74	0.016
208-96-8	Acenaphthylene	0.019	U	0.74	0.019
83-32-9	Acenaphthene	0.029	J	0.74	0.018
86-73-7	Fluorene	0.023	J	0.74	0.016
85-01-8	Phenanthrene	0.31	J	0.74	0.020
120-12-7	Anthracene	0.072	J	0.74	0.071
206-44-0	Fluoranthene	0.63	J	0.74	0.022
129-00-0	Pyrene	0.46	J	0.74	0.034
56-55-3	Benzo[a]anthracene	0.27		0.074	0.062
218-01-9	Chrysene	0.33	J	0.74	0.020
205-99-2	Benzo[b]fluoranthene	0.31		0.074	0.029
207-08-9	Benzo[k]fluoranthene	0.12		0.074	0.032
50-32-8	Benzo[a]pyrene	0.25		0.074	0.023
193-39-5	Indeno[1,2,3-cd]pyrene	0.24		0.074	0.050
53-70-3	Dibenz(a,h)anthracene	0.065	J	0.074	0.039
191-24-2	Benzo[g,h,i]perylene	0.21	J	0.74	0.043

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	80		30-130
1718-51-0	Terphenyl-d14	81		30-130
321-60-8	2-Fluorobiphenyl	87		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35690.D
 Lims ID: 460-99997-E-3-A Lab Sample ID: 460-99997-3
 Client ID: ES-3
 Sample Type: Client
 Inject. Date: 24-Aug-2015 12:57:30 ALS Bottle#: 22 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 2.0000
 Sample Info: 460-0031030-022
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Aug-2015 16:14:40 Calib Date: 19-Aug-2015 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35546.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: szczecha

Date: 24-Aug-2015 16:28:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.454	3.318	0.136	94	189783	16.1	
\$ 6 Phenol-d5	99	4.248	4.242	0.006	86	223610	16.2	
* 14 1,4-Dichlorobenzene-d4	152	4.618	4.600	0.018	96	366743	40.0	
\$ 26 Nitrobenzene-d5	82	5.159	5.165	-0.006	91	213551	20.0	
31 Isophorone	82	5.412	5.430	-0.018	98	150506	8.67	
* 38 Naphthalene-d8	136	5.883	5.883	0.000	99	1209515	40.0	
\$ 51 2-Fluorobiphenyl	172	6.959	6.965	-0.006	98	397955	21.8	
* 65 Acenaphthene-d10	164	7.641	7.636	0.005	92	494486	40.0	
67 Acenaphthene	154	7.671	7.677	-0.006	95	2819	0.1906	
74 Fluorene	166	8.177	8.183	-0.006	98	2280	0.1543	
\$ 80 2,4,6-Tribromophenol	330	8.418	8.424	-0.006	94	26055	17.0	
* 87 Phenanthrene-d10	188	9.112	9.112	0.000	99	563590	40.0	
88 Phenanthrene	178	9.135	9.135	0.000	96	33654	2.07	
89 Anthracene	178	9.183	9.188	-0.005	98	7865	0.4813	
90 Carbazole	167	9.341	9.335	0.006	96	2855	0.2153	
92 Fluoranthene	202	10.318	10.312	0.006	99	52697	4.22	
94 Pyrene	202	10.553	10.547	0.006	97	46094	3.05	
\$ 96 Terphenyl-d14	244	10.706	10.700	0.006	99	185371	20.2	
97 Butyl benzyl phthalate	149	11.247	11.241	0.006	87	1025	0.1954	
101 Benzo[a]anthracene	228	11.947	11.935	0.012	98	16542	1.81	
* 102 Chrysene-d12	240	11.959	11.947	0.012	99	305325	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.965	11.953	0.012	85	3898	0.5704	
103 Chrysene	228	11.988	11.988	0.000	100	17996	2.20	
106 Benzo[b]fluoranthene	252	13.412	13.400	0.012	99	20410	2.04	
107 Benzo[k]fluoranthene	252	13.441	13.441	0.000	97	8255	0.8240	
108 Benzo[a]pyrene	252	13.870	13.865	0.005	97	14980	1.69	
* 109 Perylene-d12	264	13.959	13.941	0.018	98	332611	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.594	15.582	0.012	94	10888	1.61	
111 Dibenz(a,h)anthracene	278	15.629	15.617	0.012	33	2955	0.4304	
112 Benzo[g,h,i]perylene	276	16.064	16.053	0.011	96	10465	1.43	

Reagents:

SM_ISTD_00091

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35690.D

Injection Date: 24-Aug-2015 12:57:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: 460-99997-E-3-A

Lab Sample ID: 460-99997-3

Worklist Smp#: 22

Client ID: ES-3

Injection Vol: 1.0 ul

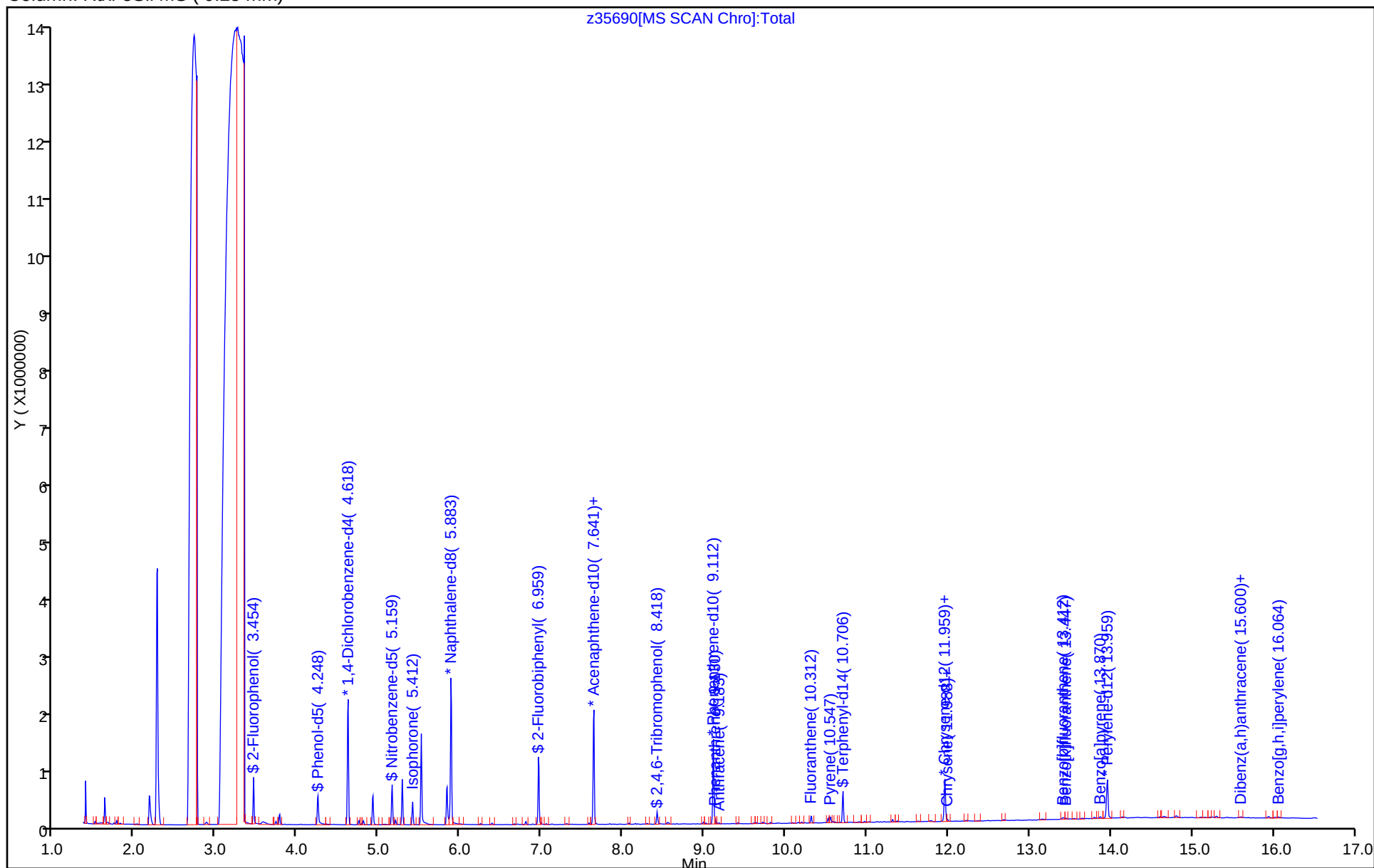
Dil. Factor: 2.0000

ALS Bottle#: 22

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35690.D

Injection Date: 24-Aug-2015 12:57:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-3-A

Lab Sample ID: 460-99997-3

Client ID: ES-3

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

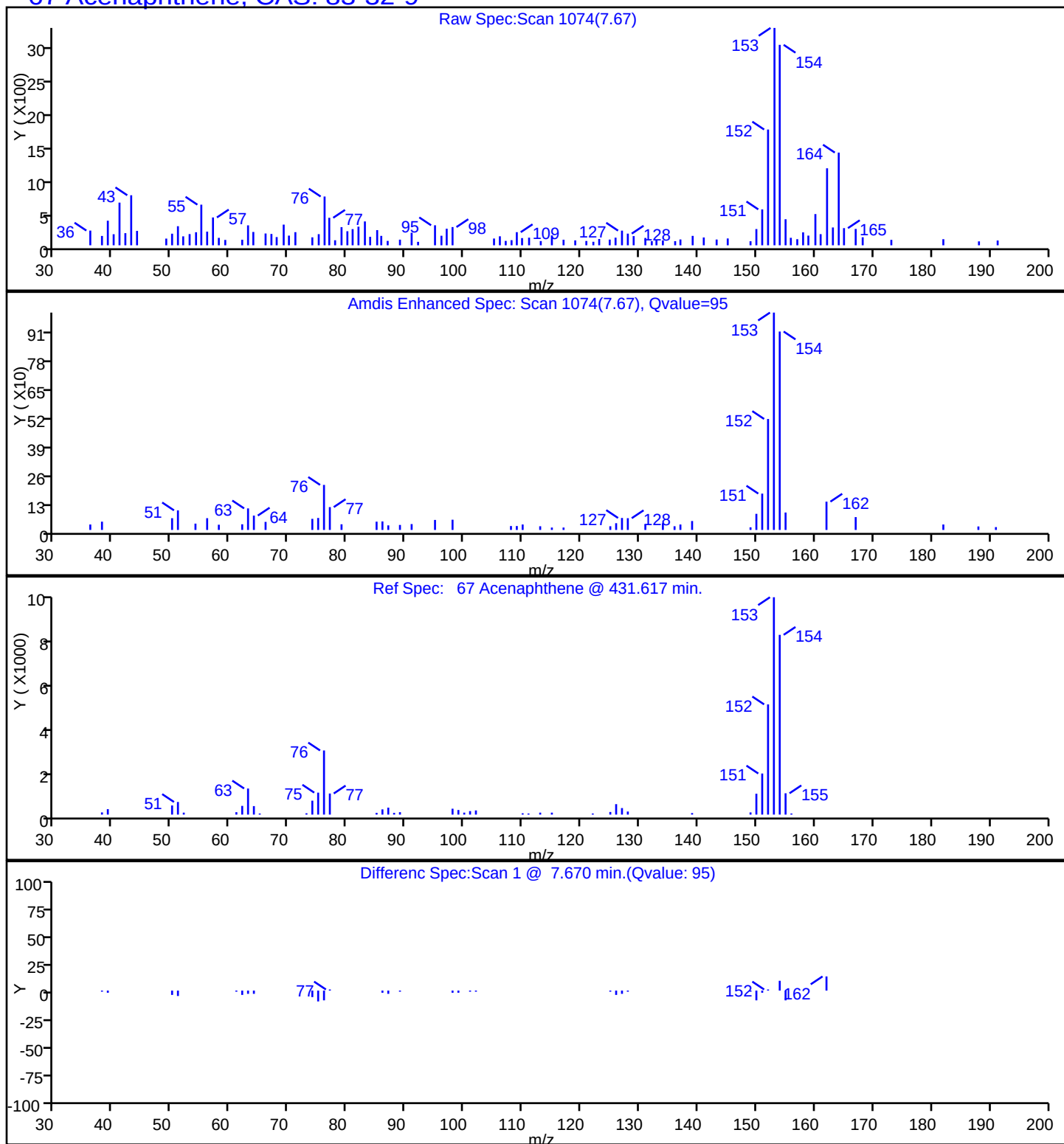
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

67 Acenaphthene, CAS: 83-32-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35690.D

Injection Date: 24-Aug-2015 12:57:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-3-A

Lab Sample ID: 460-99997-3

Client ID: ES-3

Operator ID:

ALS Bottle#:

Worklist Smp#: 22

Injection Vol: 1.0 ul

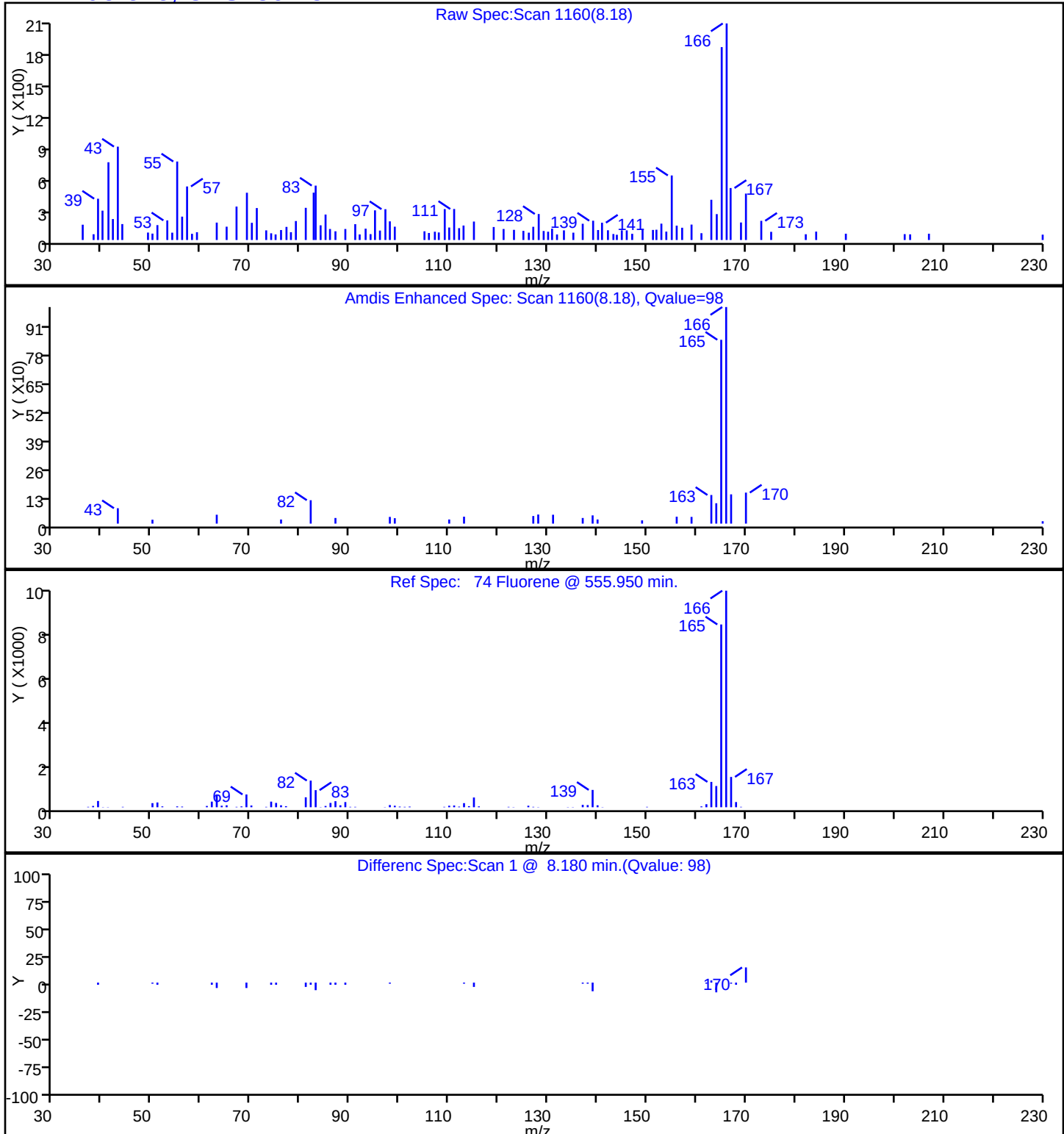
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

74 Fluorene, CAS: 86-73-7

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35690.D

Injection Date: 24-Aug-2015 12:57:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-3-A

Lab Sample ID: 460-99997-3

Client ID: ES-3

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

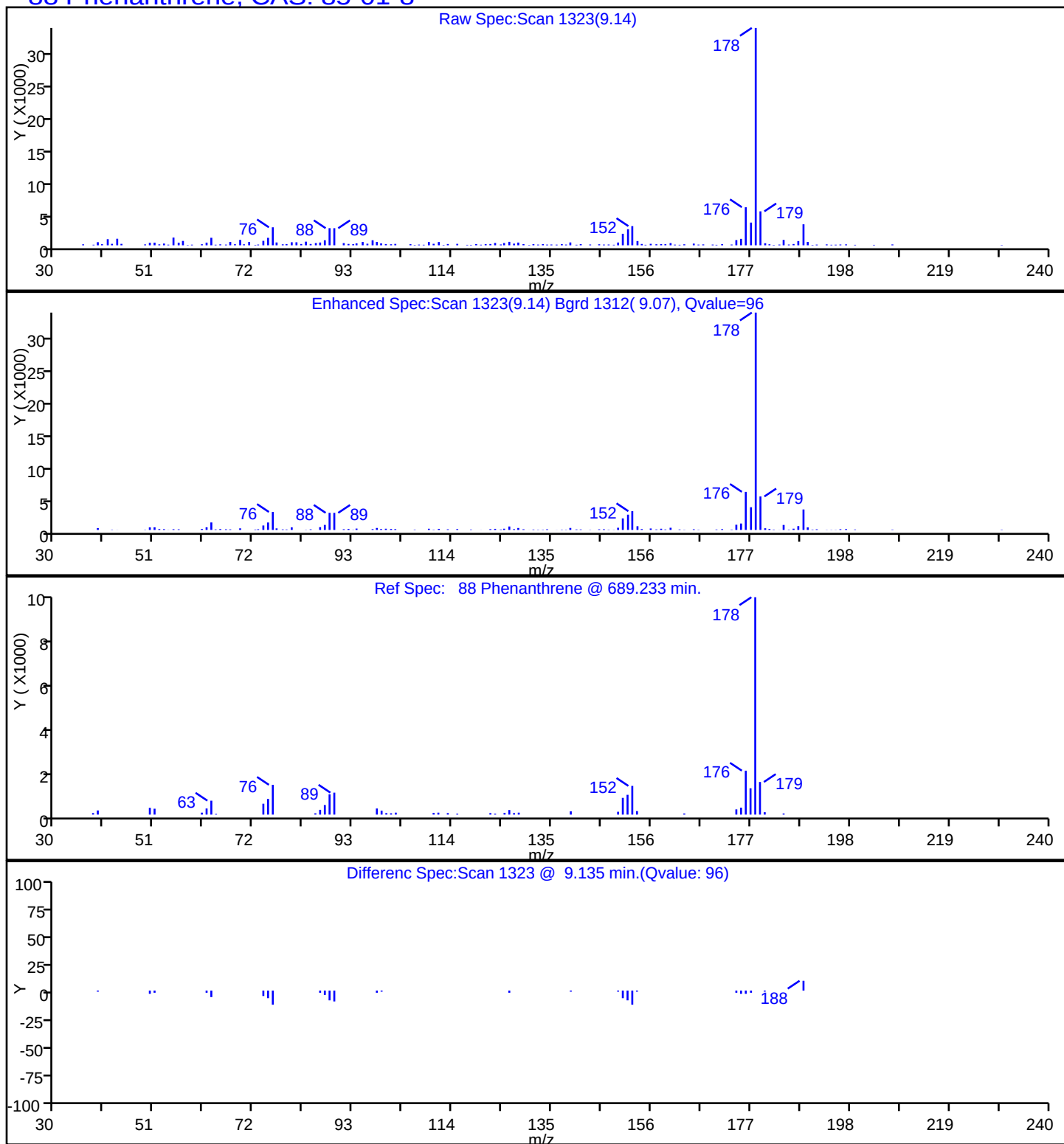
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

88 Phenanthrene, CAS: 85-01-8

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35690.D

Injection Date: 24-Aug-2015 12:57:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-3-A

Lab Sample ID: 460-99997-3

Client ID: ES-3

Operator ID:

ALS Bottle#:

22

Worklist Smp#:

22

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_11R_9

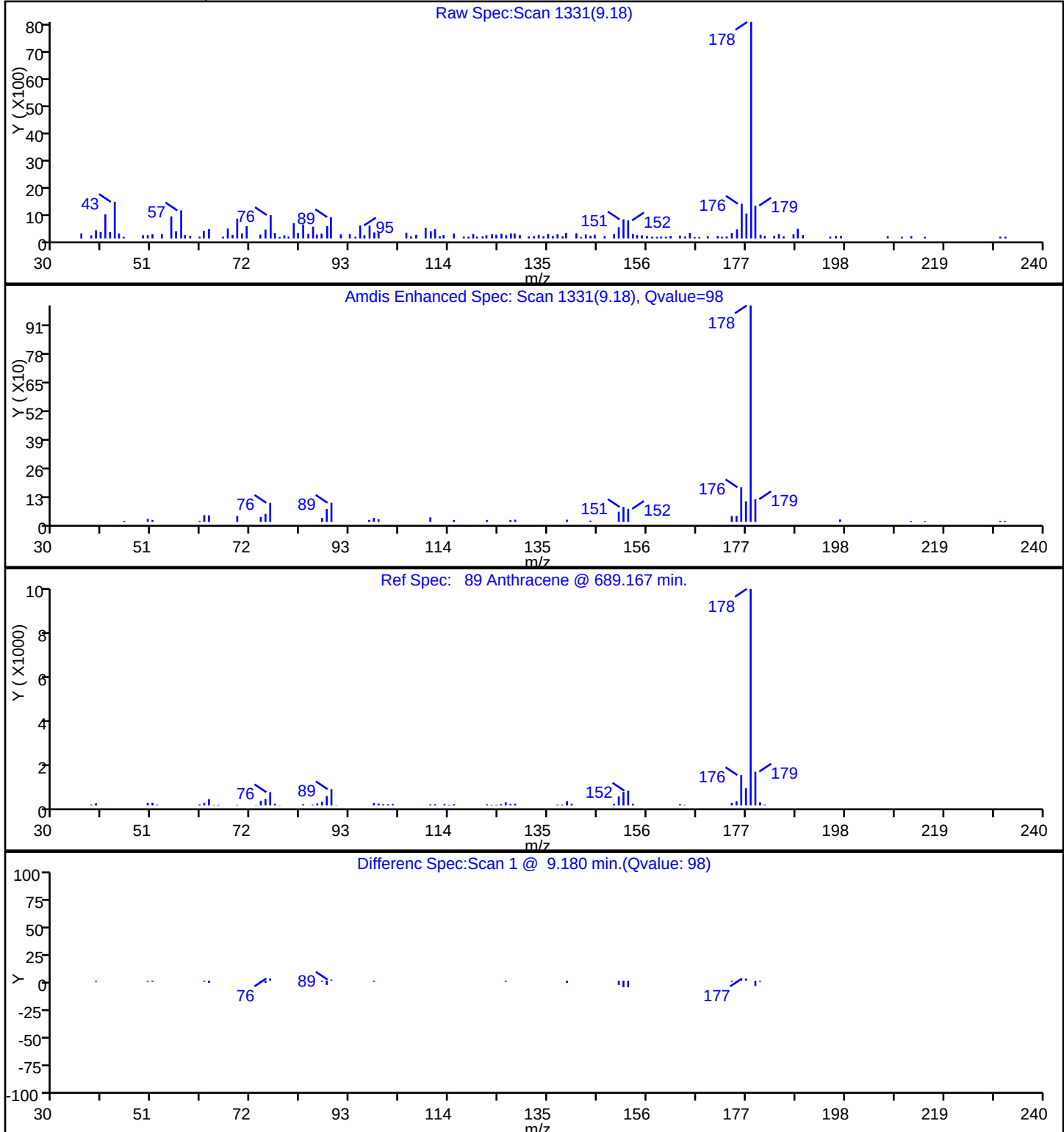
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

89 Anthracene, CAS: 120-12-7

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35690.D

Injection Date: 24-Aug-2015 12:57:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-3-A

Lab Sample ID: 460-99997-3

Client ID: ES-3

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

Dil. Factor: 2.0000

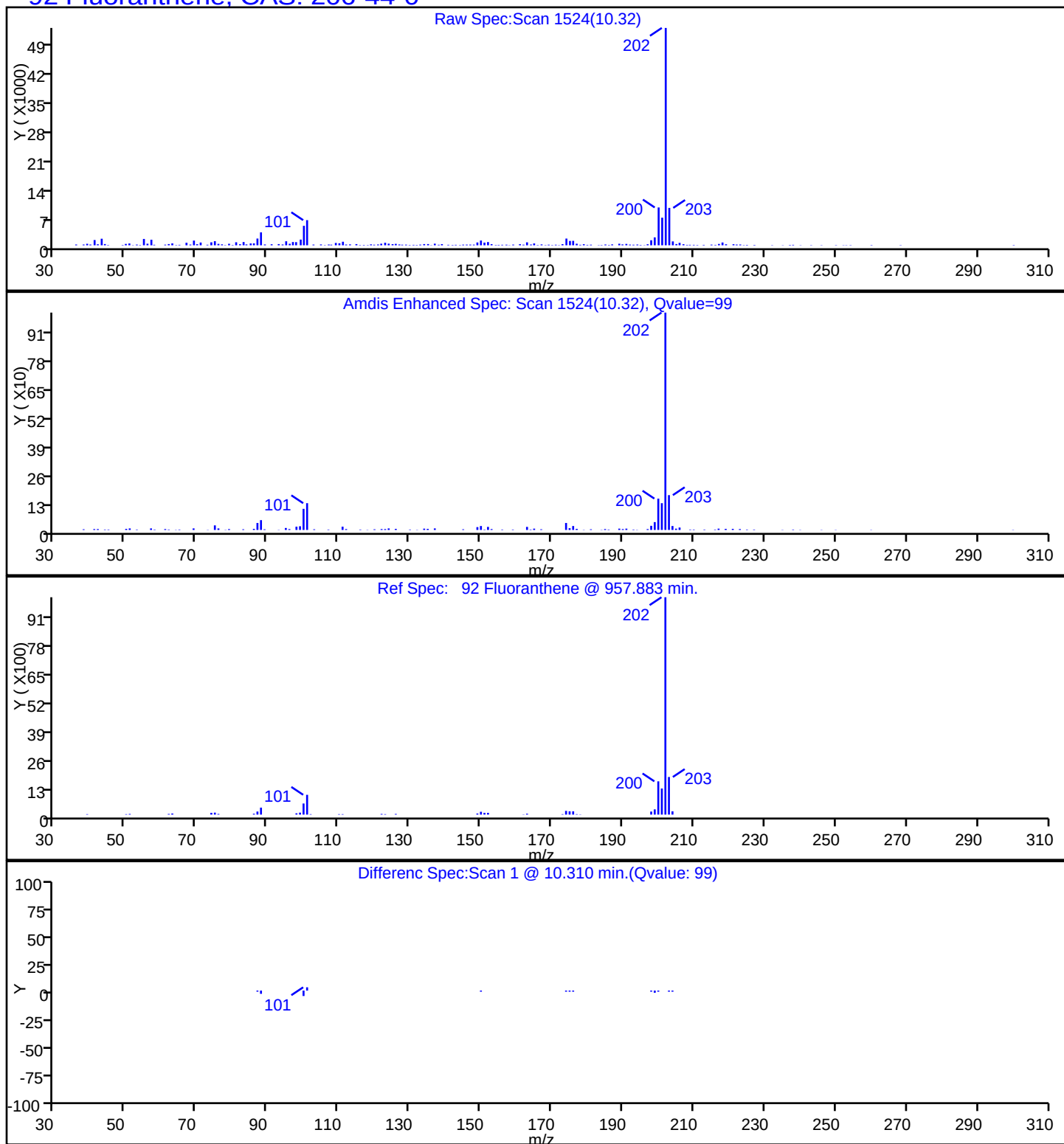
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

92 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35690.D

Injection Date: 24-Aug-2015 12:57:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-3-A

Lab Sample ID: 460-99997-3

Client ID: ES-3

Operator ID:

ALS Bottle#:

22

Worklist Smp#:

22

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_11R_9

Limit Group:

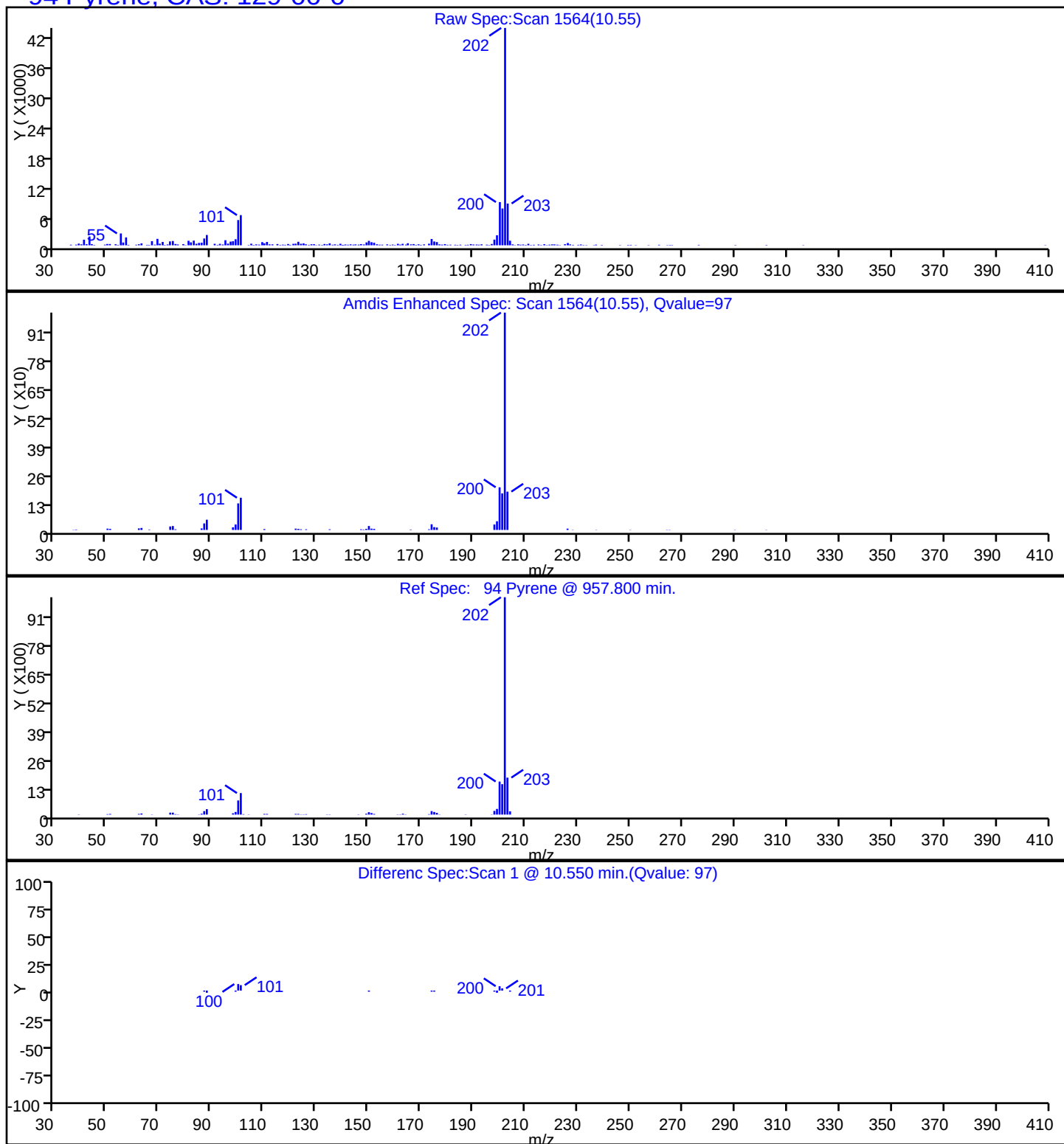
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

94 Pyrene, CAS: 129-00-0



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35690.D

Injection Date: 24-Aug-2015 12:57:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-3-A

Lab Sample ID: 460-99997-3

Client ID: ES-3

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

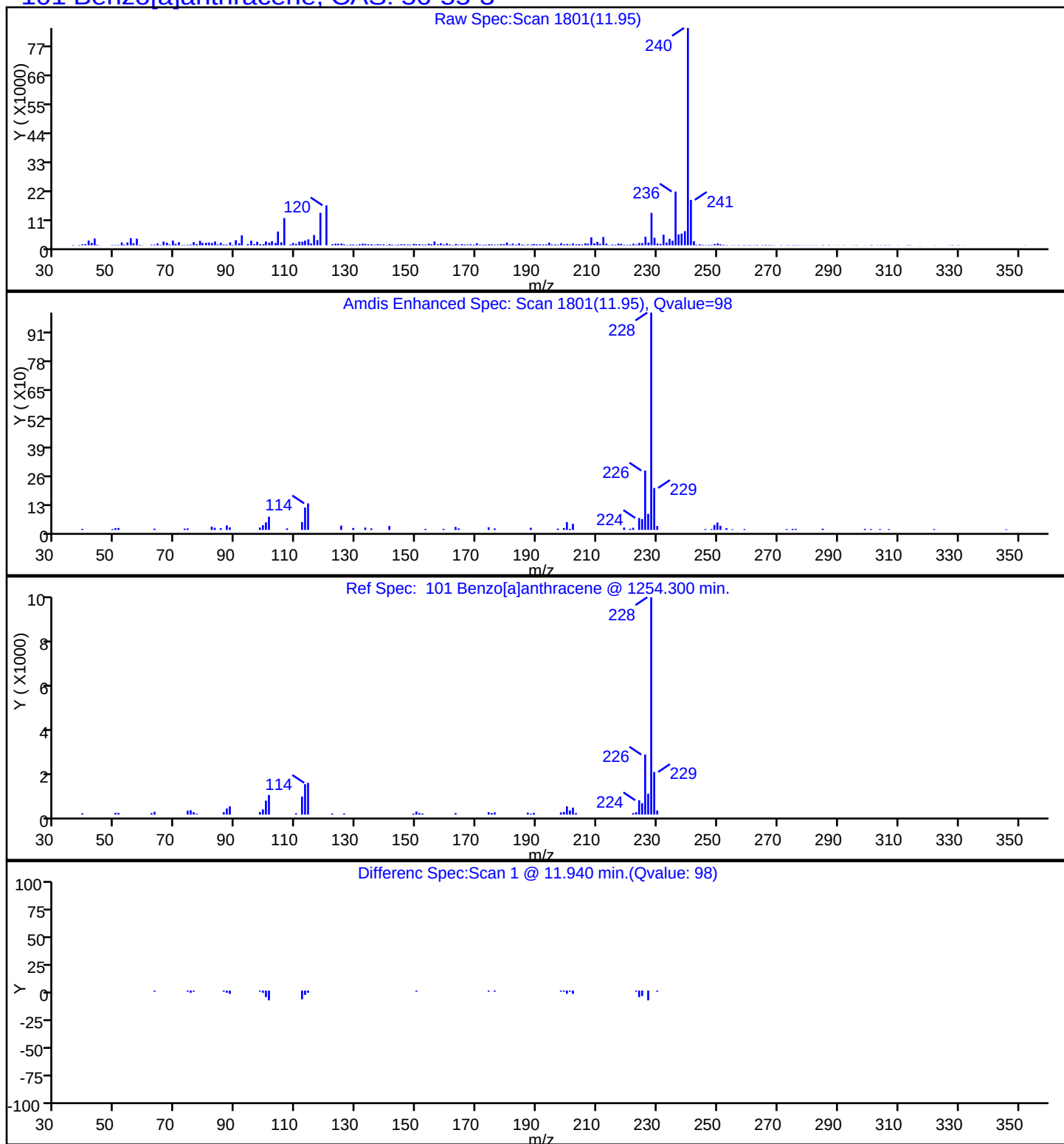
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

101 Benzo[a]anthracene, CAS: 56-55-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35690.D

Injection Date: 24-Aug-2015 12:57:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-3-A

Lab Sample ID: 460-99997-3

Client ID: ES-3

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

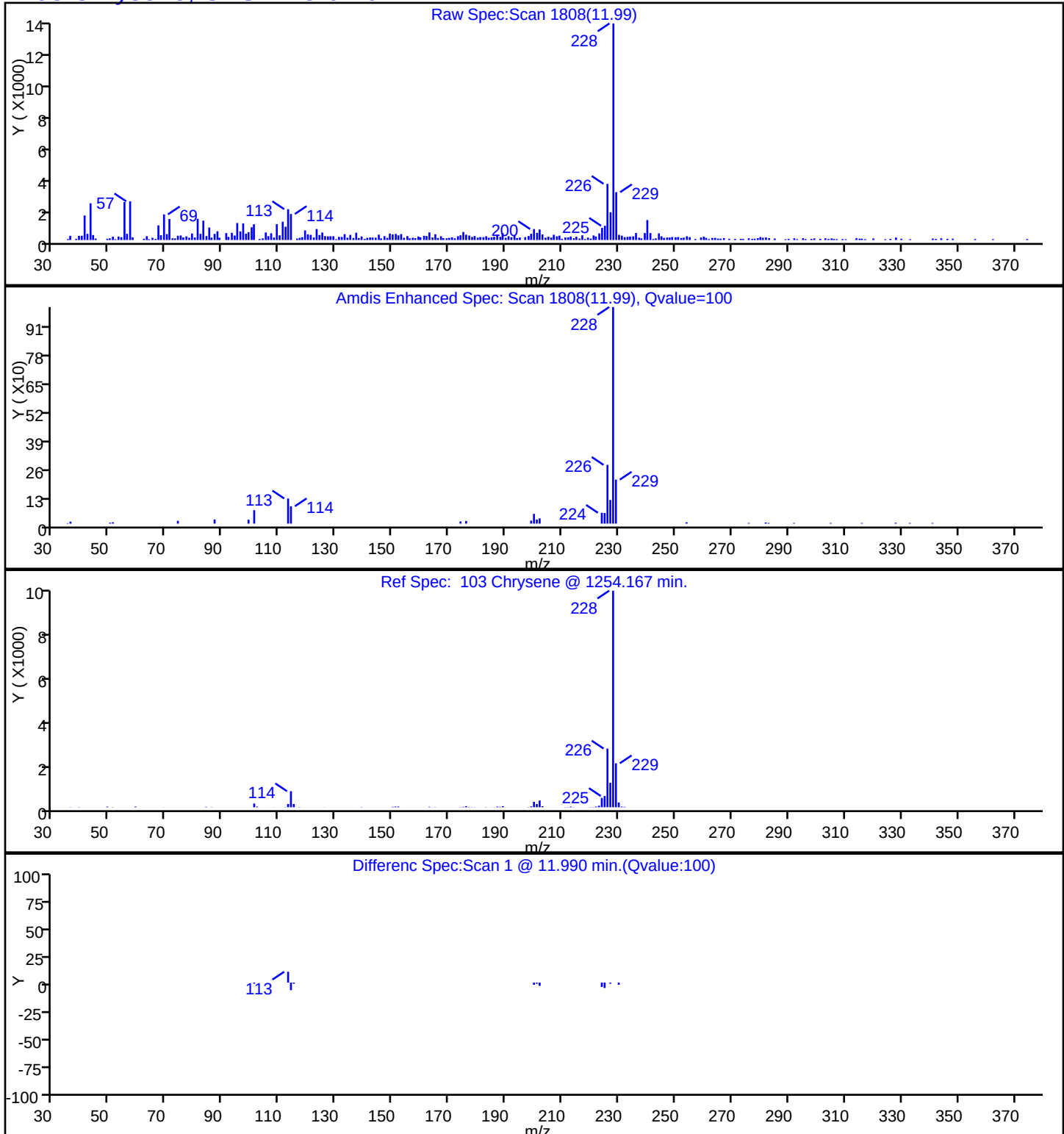
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

103 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35690.D

Injection Date: 24-Aug-2015 12:57:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-3-A

Lab Sample ID: 460-99997-3

Client ID: ES-3

Operator ID:

ALS Bottle#:

22

Worklist Smp#:

22

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_11R_9

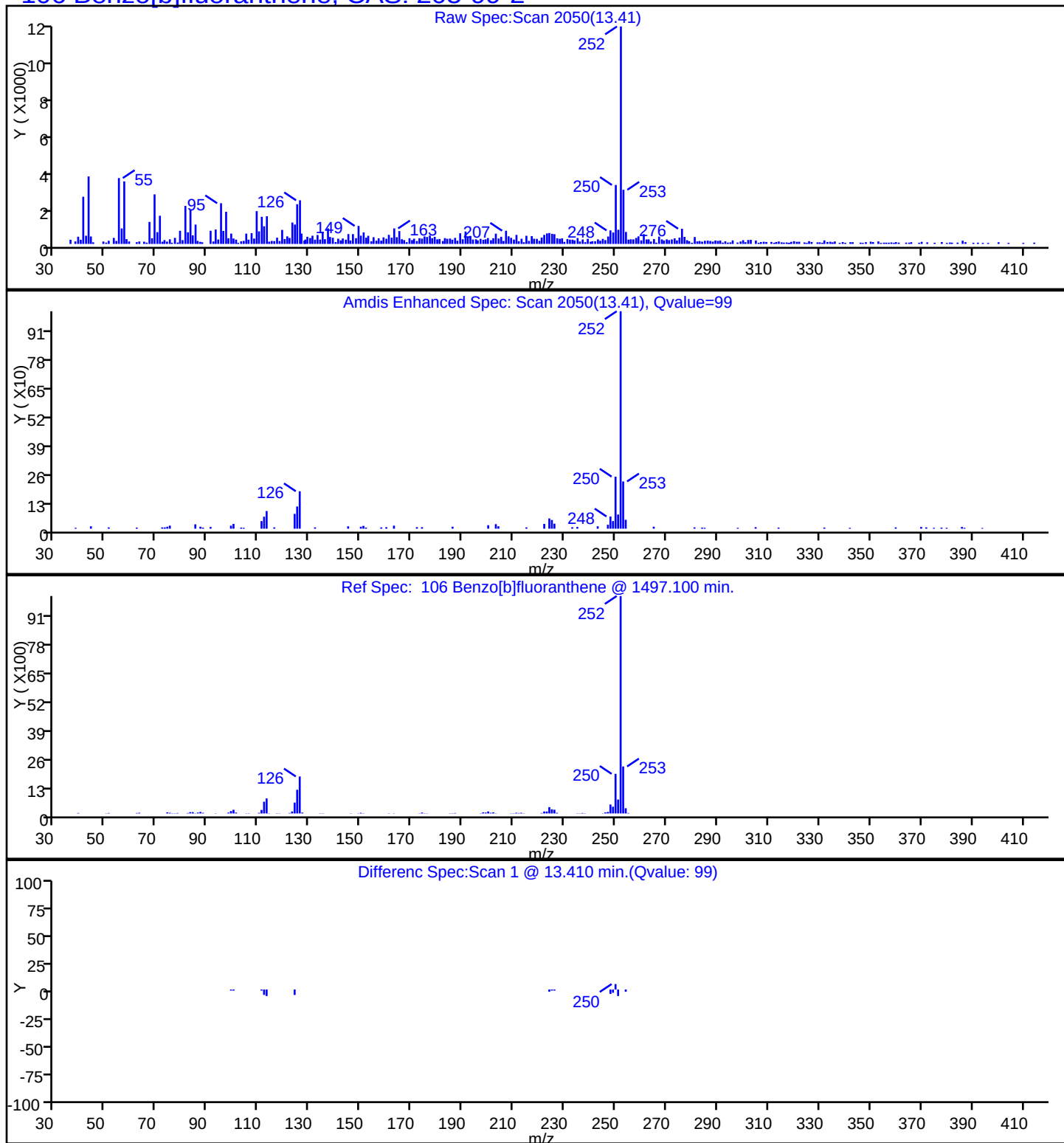
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

106 Benzo[b]fluoranthene, CAS: 205-99-2

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35690.D

Injection Date: 24-Aug-2015 12:57:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-3-A

Lab Sample ID: 460-99997-3

Client ID: ES-3

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

Dil. Factor: 2.0000

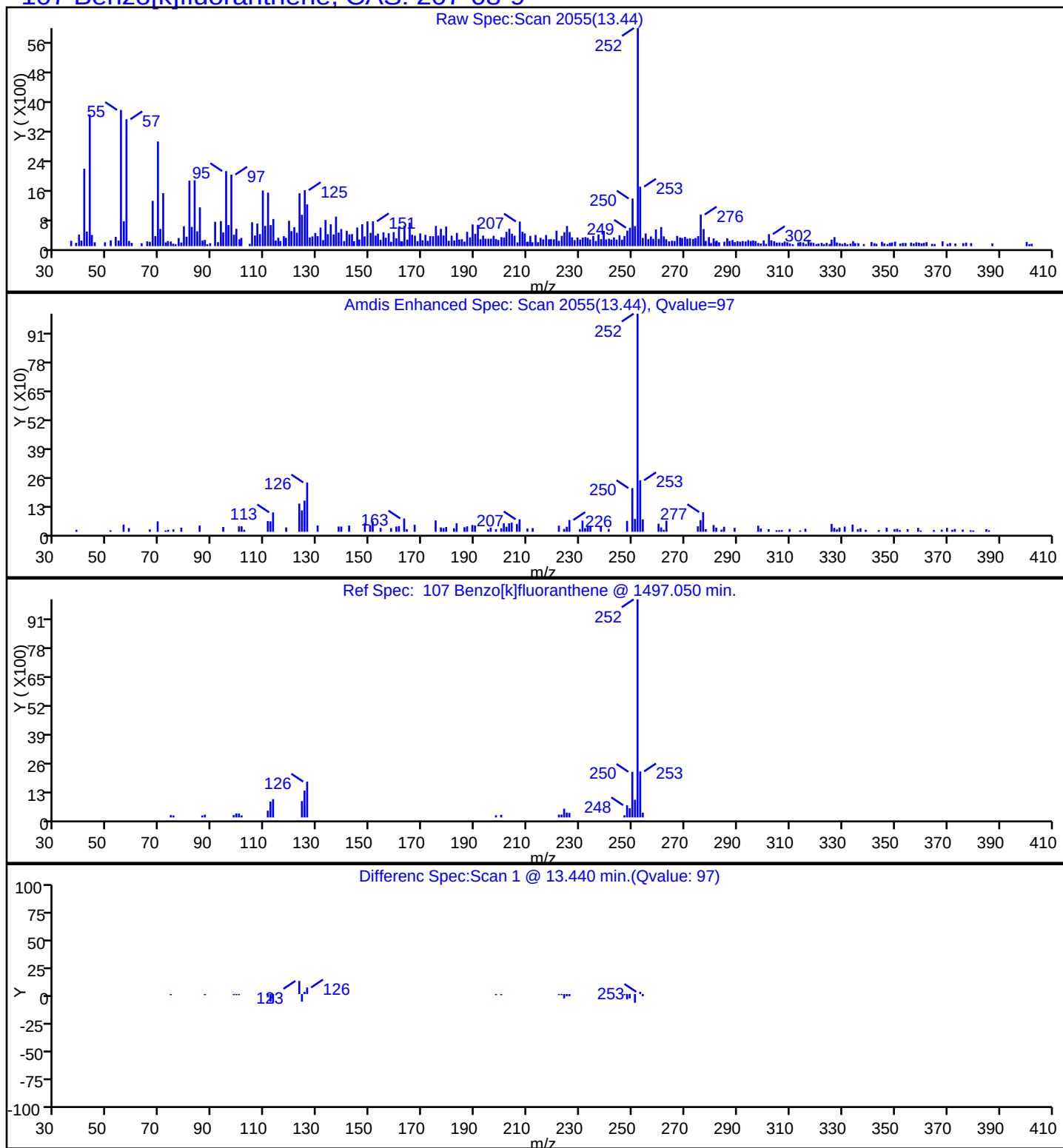
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

107 Benzo[k]fluoranthene, CAS: 207-08-9



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35690.D

Injection Date: 24-Aug-2015 12:57:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-3-A

Lab Sample ID: 460-99997-3

Client ID: ES-3

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

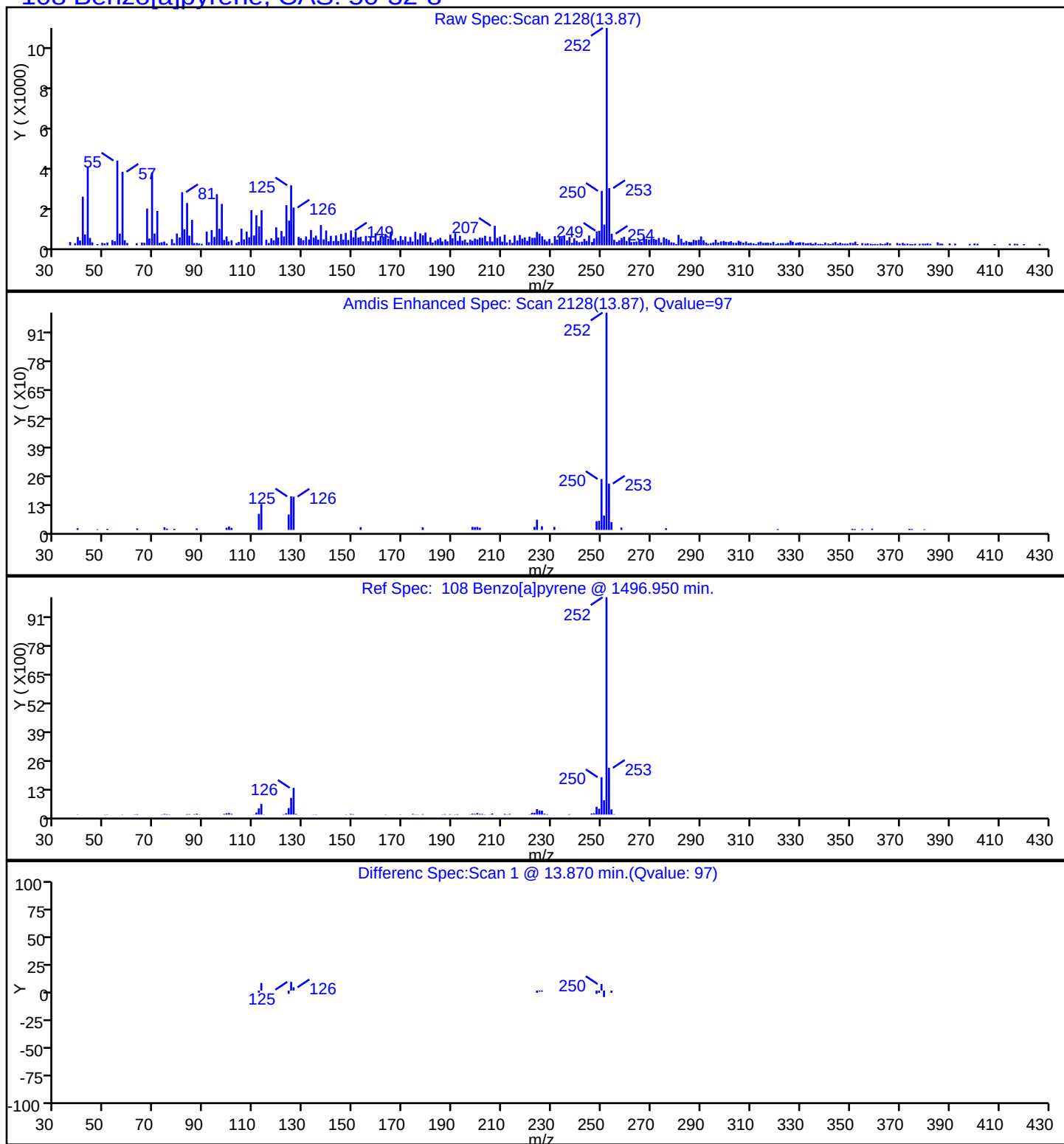
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

108 Benzo[a]pyrene, CAS: 50-32-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35690.D

Injection Date: 24-Aug-2015 12:57:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-3-A

Lab Sample ID: 460-99997-3

Client ID: ES-3

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

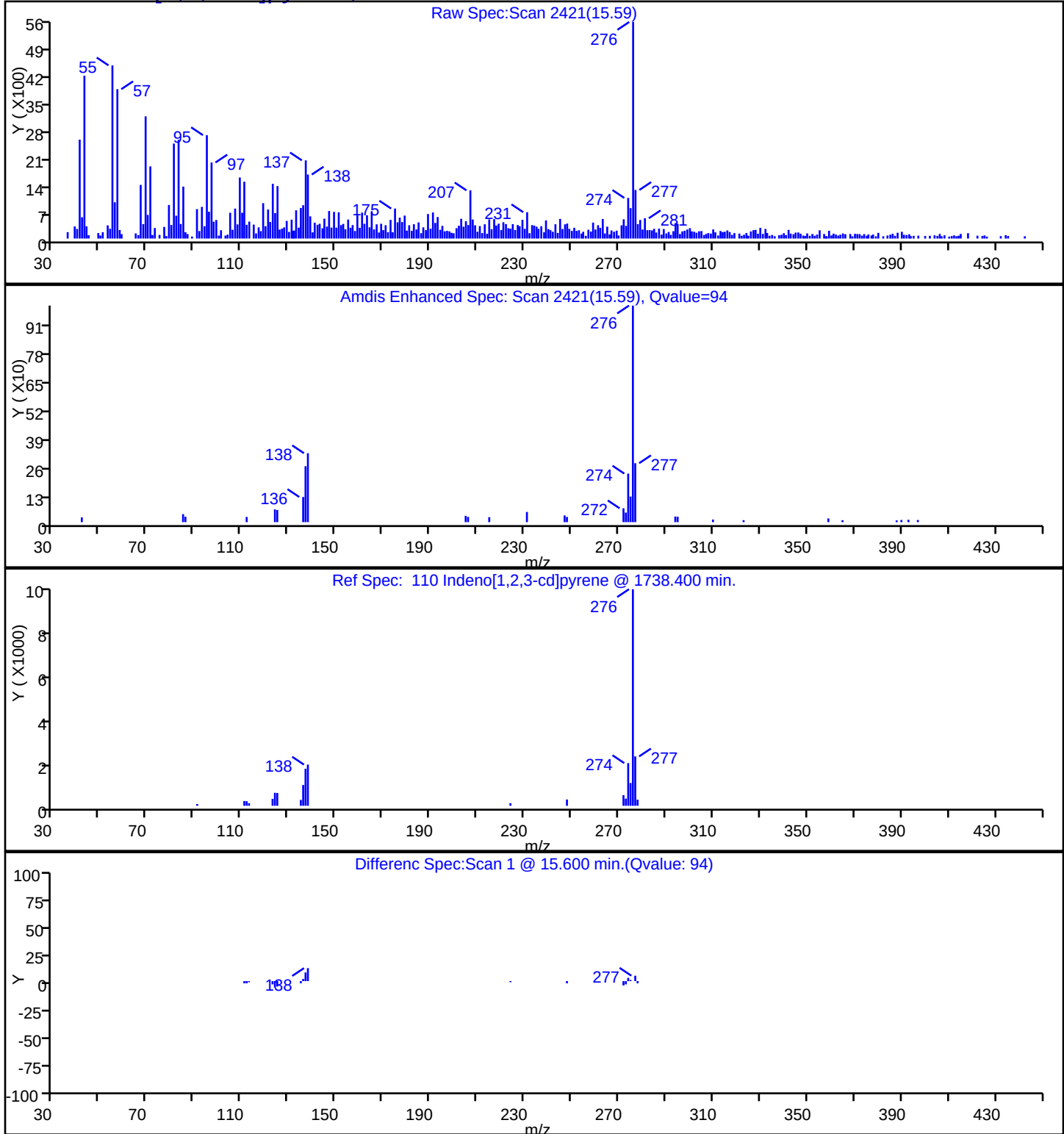
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35690.D

Injection Date: 24-Aug-2015 12:57:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-3-A

Lab Sample ID: 460-99997-3

Client ID: ES-3

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

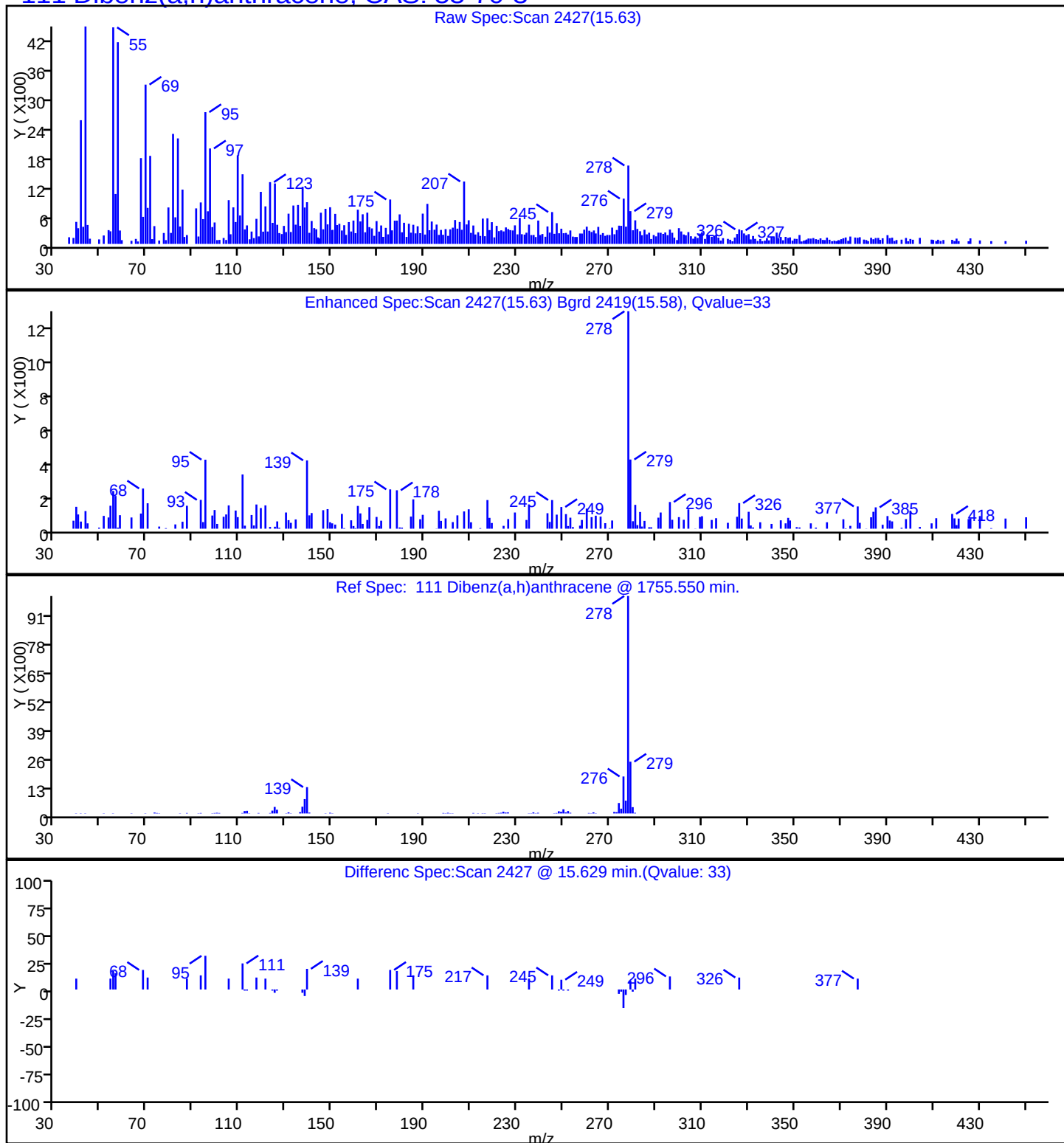
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

111 Dibenz(a,h)anthracene, CAS: 53-70-3

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35690.D

Injection Date: 24-Aug-2015 12:57:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-3-A

Lab Sample ID: 460-99997-3

Client ID: ES-3

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

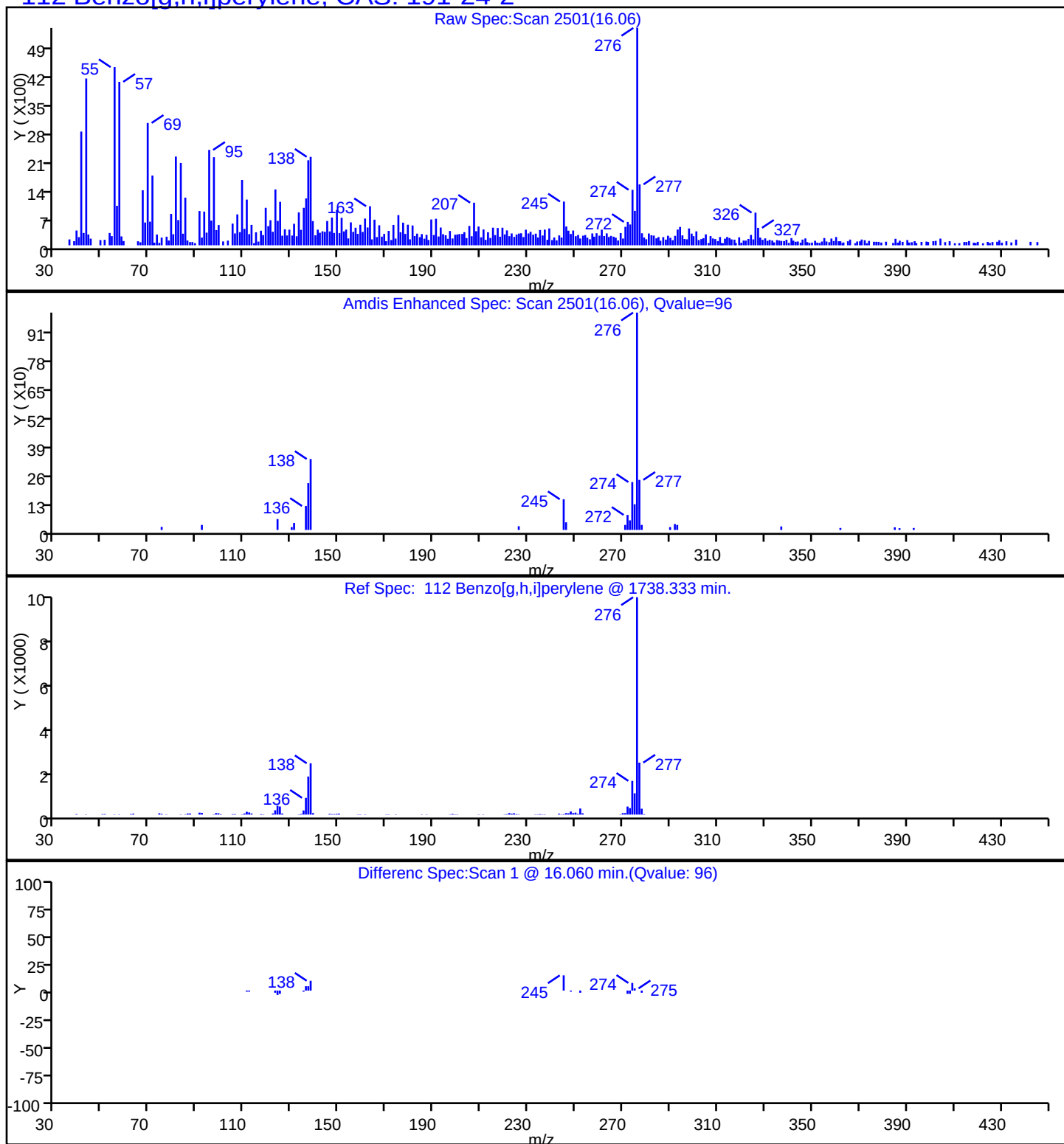
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

112 Benzo[g,h,i]perylene, CAS: 191-24-2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-4</u>	Lab Sample ID: <u>460-99997-4</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z35651.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>08/20/2015 09:37</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>08/21/2015 21:30</u>
Sample wt/vol: <u>15.0240(g)</u>	Date Analyzed: <u>08/22/2015 12:59</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>17.8</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318190</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.095	J	0.40	0.010
91-57-6	2-Methylnaphthalene	0.059	J	0.40	0.0089
208-96-8	Acenaphthylene	0.010	U	0.40	0.010
83-32-9	Acenaphthene	0.33	J	0.40	0.0097
86-73-7	Fluorene	0.13	J	0.40	0.0087
85-01-8	Phenanthrene	4.4		0.40	0.011
120-12-7	Anthracene	0.80		0.40	0.038
206-44-0	Fluoranthene	4.5		0.40	0.012
129-00-0	Pyrene	3.3		0.40	0.018
56-55-3	Benzo[a]anthracene	1.5		0.040	0.034
218-01-9	Chrysene	1.5		0.40	0.011
205-99-2	Benzo[b]fluoranthene	1.6		0.040	0.016
207-08-9	Benzo[k]fluoranthene	0.64		0.040	0.017
50-32-8	Benzo[a]pyrene	1.1		0.040	0.012
193-39-5	Indeno[1,2,3-cd]pyrene	0.81		0.040	0.027
53-70-3	Dibenz(a,h)anthracene	0.18		0.040	0.021
191-24-2	Benzo[g,h,i]perylene	0.71		0.40	0.023

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	83		30-130
1718-51-0	Terphenyl-d14	113		30-130
321-60-8	2-Fluorobiphenyl	86		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35651.D
 Lims ID: 460-99997-E-4-A Lab Sample ID: 460-99997-4
 Client ID: ES-4
 Sample Type: Client
 Inject. Date: 22-Aug-2015 12:59:30 ALS Bottle#: 11 Worklist Smp#: 11
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031003-011
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Aug-2015 10:28:20 Calib Date: 19-Aug-2015 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35546.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: szczecha

Date: 24-Aug-2015 10:28:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.730	3.336	0.394	95	511318	38.6	
5 Benzaldehyde	77	4.277	4.177	0.100	49	10627	0.9155	
\$ 6 Phenol-d5	99	4.324	4.259	0.065	86	635167	40.8	
* 14 1,4-Dichlorobenzene-d4	152	4.648	4.612	0.036	96	412774	40.0	
\$ 26 Nitrobenzene-d5	82	5.165	5.183	-0.018	94	554361	41.7	
31 Isophorone	82	5.424	5.453	-0.029	98	832904	38.6	
* 38 Naphthalene-d8	136	5.894	5.894	0.000	99	1504808	40.0	
39 Naphthalene	128	5.912	5.930	-0.018	99	43764	1.17	
44 2-Methylnaphthalene	142	6.612	6.618	-0.006	85	17750	0.7235	
\$ 51 2-Fluorobiphenyl	172	6.977	6.983	-0.006	98	1193104	43.2	
* 65 Acenaphthene-d10	164	7.659	7.659	0.000	92	747586	40.0	
67 Acenaphthene	154	7.688	7.700	-0.012	94	90442	4.04	
71 Dibenzofuran	168	7.859	7.871	-0.012	96	103415	3.55	
74 Fluorene	166	8.194	8.206	-0.012	97	36606	1.64	
\$ 80 2,4,6-Tribromophenol	330	8.441	8.447	-0.006	95	94363	40.6	
* 87 Phenanthrene-d10	188	9.135	9.129	0.006	99	981830	40.0	
88 Phenanthrene	178	9.159	9.165	-0.006	97	1536154	54.4	
89 Anthracene	178	9.206	9.212	-0.006	99	279790	9.83	
90 Carbazole	167	9.359	9.365	-0.006	95	137098	5.94	
91 Di-n-butyl phthalate	149	9.688	9.694	-0.006	93	6092	0.2341	
92 Fluoranthene	202	10.341	10.341	0.000	98	1218912	56.0	
94 Pyrene	202	10.577	10.576	0.001	98	827589	41.3	
\$ 96 Terphenyl-d14	244	10.729	10.729	0.000	99	688570	56.4	
97 Butyl benzyl phthalate	149	11.271	11.271	0.000	96	205048	29.4	
101 Benzo[a]anthracene	228	11.971	11.976	-0.005	99	224777	18.5	
* 102 Chrysene-d12	240	11.988	11.982	0.006	99	405729	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.994	11.994	0.000	90	132876	14.6	
103 Chrysene	228	12.018	12.023	-0.005	99	202010	18.6	
105 Di-n-octyl phthalate	149	12.888	12.888	0.000	36	9852	0.8043	
106 Benzo[b]fluoranthene	252	13.441	13.447	-0.006	99	162776	19.7	
107 Benzo[k]fluoranthene	252	13.470	13.482	-0.012	6	64814	7.86	
108 Benzo[a]pyrene	252	13.900	13.906	-0.006	97	99034	13.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 109 Perylene-d12	264	13.988	13.982	0.006	97	273875	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.635	15.647	-0.012	98	56020	10.1	
111 Dibenzo(a,h)anthracene	278	15.664	15.676	-0.012	92	12667	2.24	
112 Benzo[g,h,i]perylene	276	16.106	16.117	-0.011	97	52811	8.74	

Reagents:

SM_ISTD_00091

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35651.D

Injection Date: 22-Aug-2015 12:59:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: 460-99997-E-4-A

Lab Sample ID: 460-99997-4

Worklist Smp#: 11

Client ID: ES-4

Injection Vol: 1.0 ul

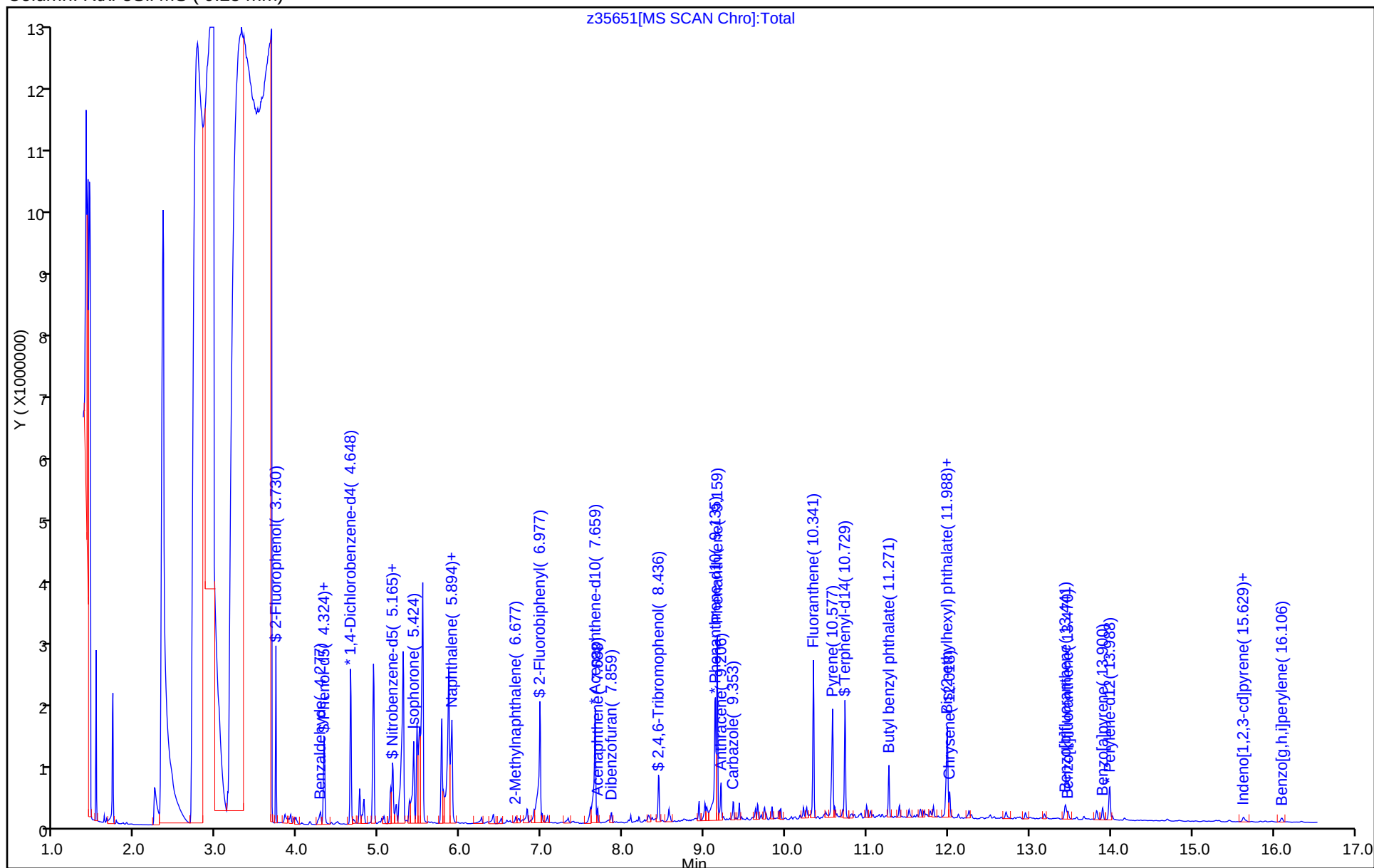
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35651.D

Injection Date: 22-Aug-2015 12:59:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-4-A

Lab Sample ID: 460-99997-4

Client ID: ES-4

Operator ID:

ALS Bottle#: 11 Worklist Smp#: 11

Injection Vol: 1.0 ul

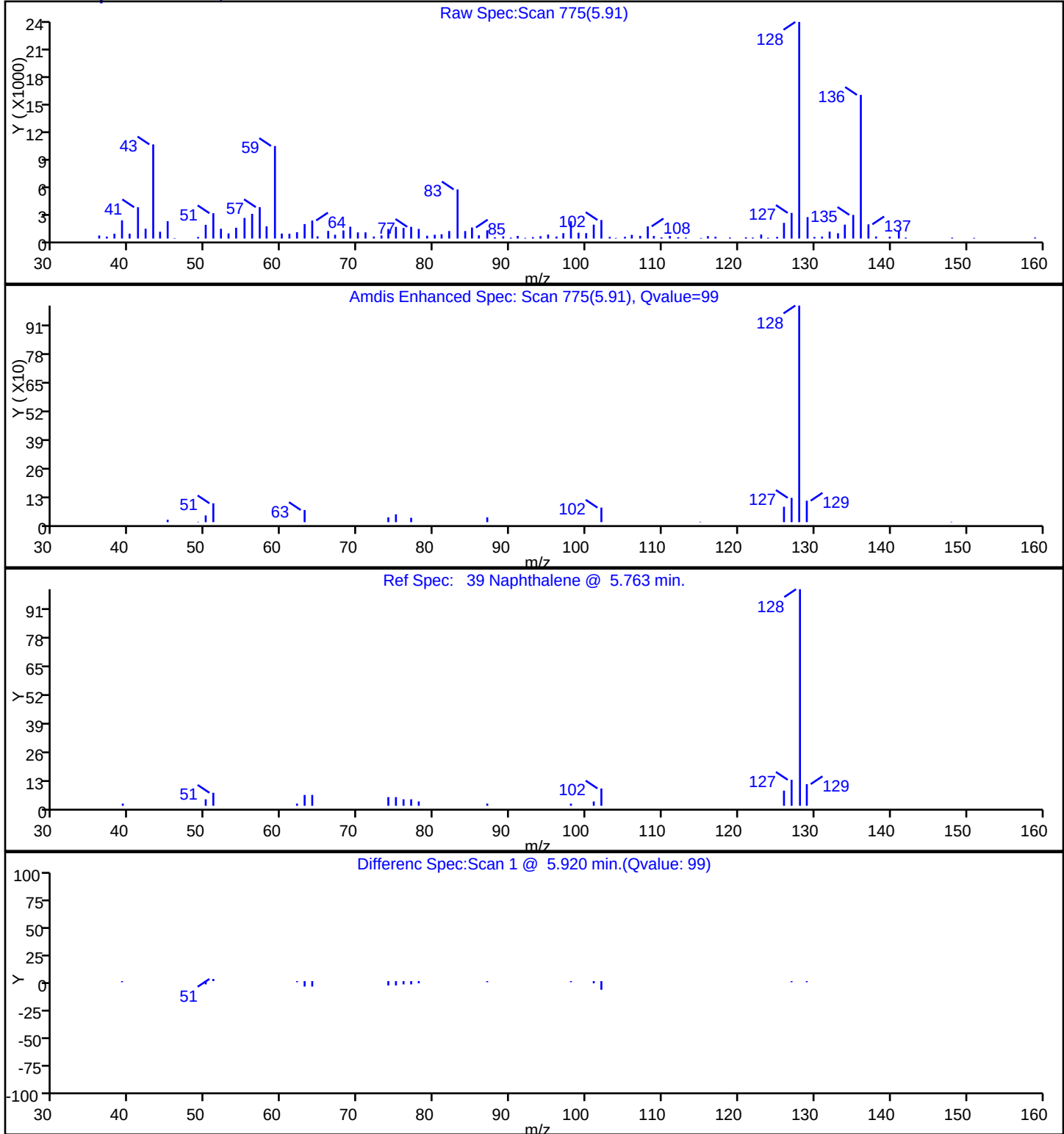
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

39 Naphthalene, CAS: 91-20-3

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35651.D

Injection Date: 22-Aug-2015 12:59:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-4-A

Lab Sample ID: 460-99997-4

Client ID: ES-4

Operator ID:

ALS Bottle#: 11

Worklist Smp#: 11

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

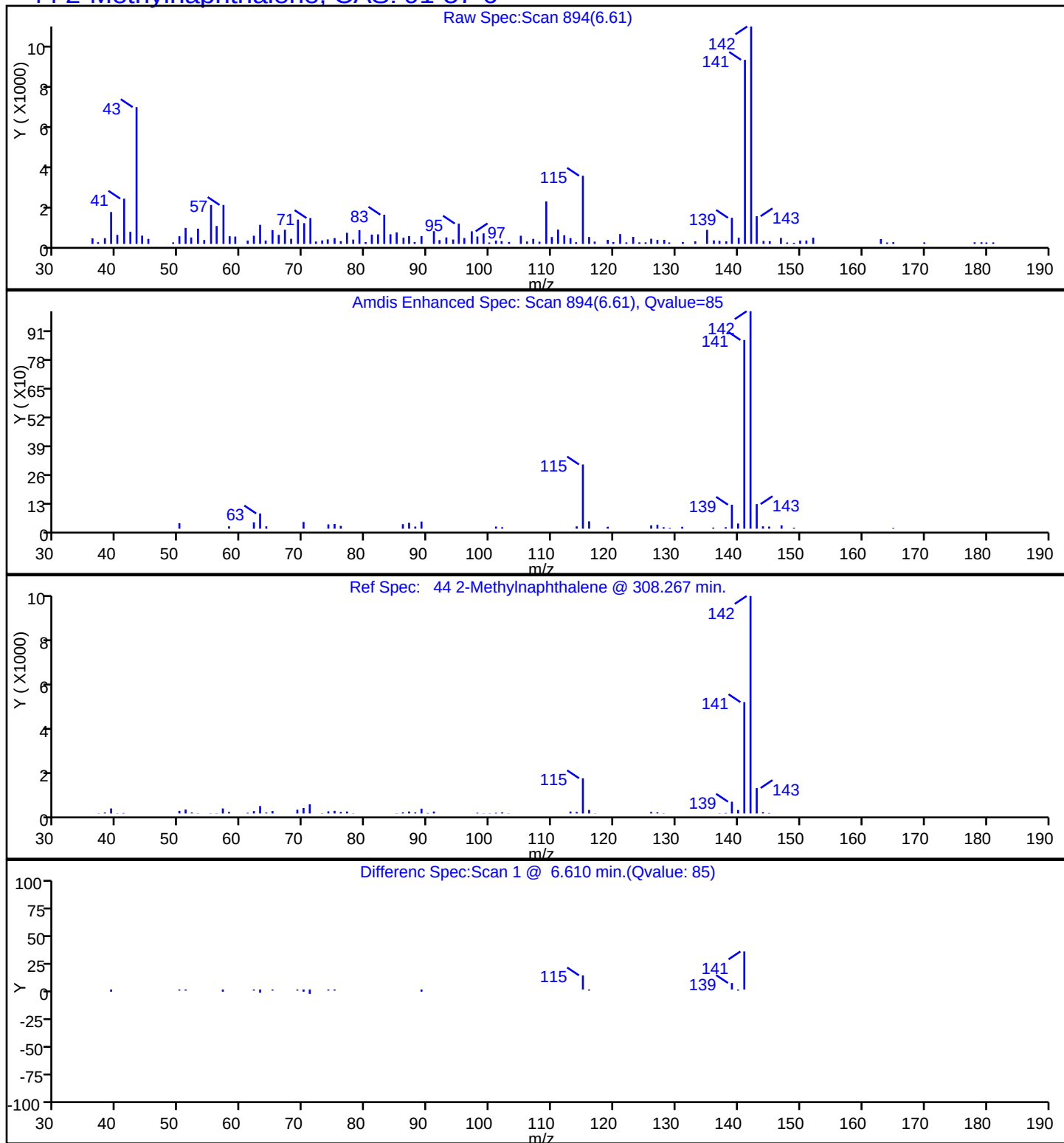
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

44 2-Methylnaphthalene, CAS: 91-57-6



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35651.D

Injection Date: 22-Aug-2015 12:59:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-4-A

Lab Sample ID: 460-99997-4

Client ID: ES-4

Operator ID:

ALS Bottle#:

11

Worklist Smp#:

11

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

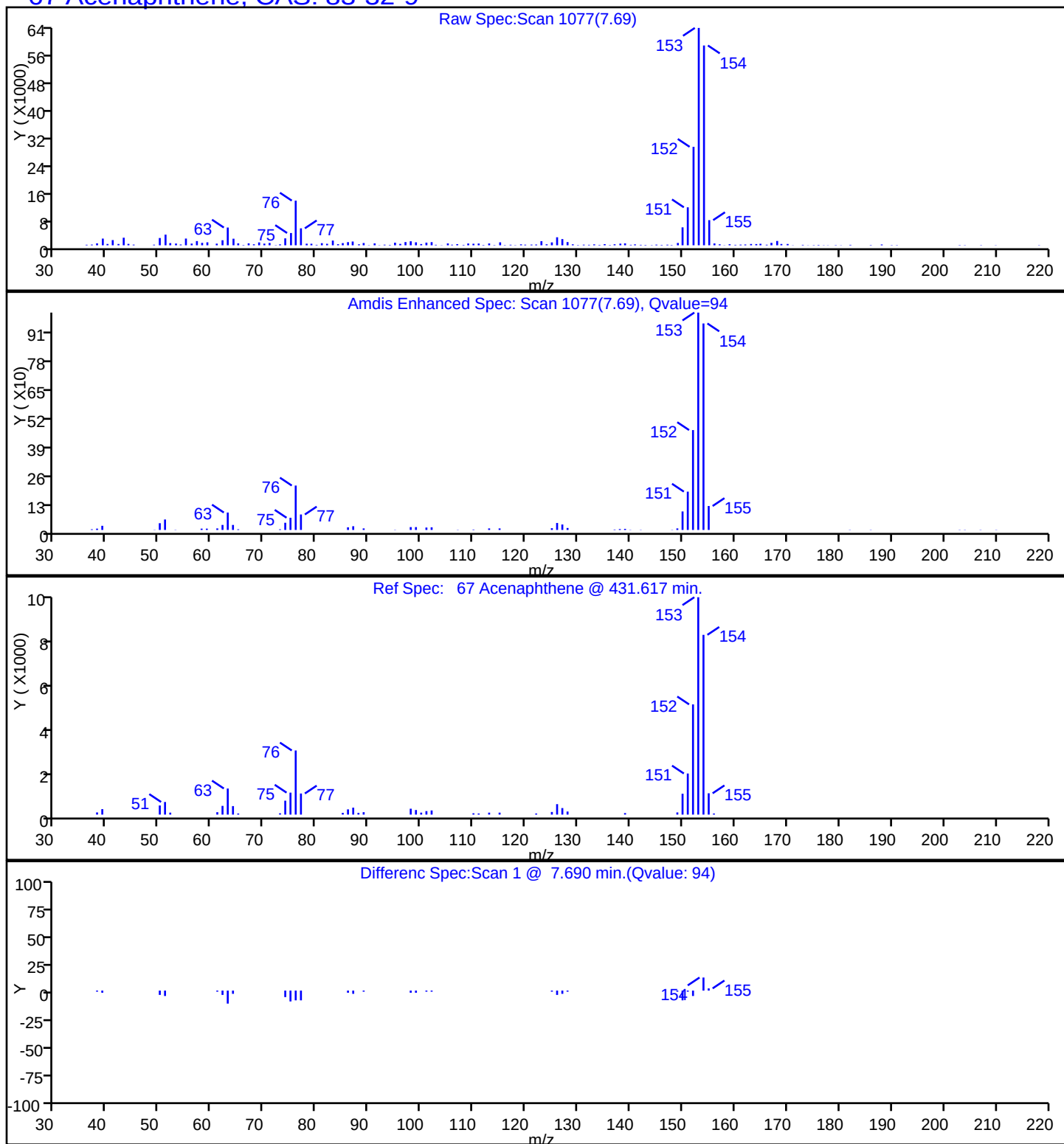
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

67 Acenaphthene, CAS: 83-32-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35651.D

Injection Date: 22-Aug-2015 12:59:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-4-A

Lab Sample ID: 460-99997-4

Client ID: ES-4

Operator ID:

ALS Bottle#:

11

Worklist Smp#:

11

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

Limit Group:

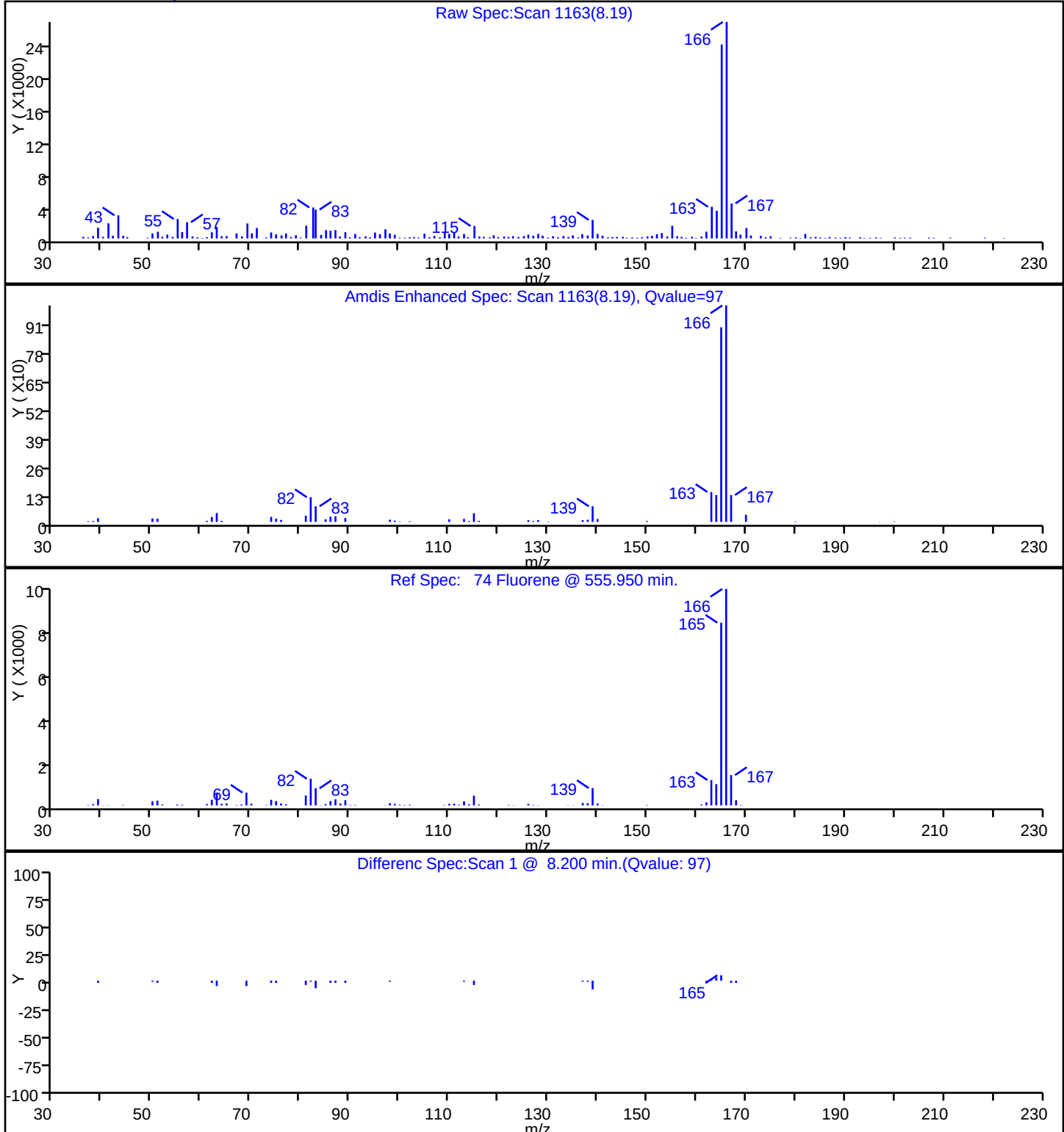
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

74 Fluorene, CAS: 86-73-7



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35651.D

Injection Date: 22-Aug-2015 12:59:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-4-A

Lab Sample ID: 460-99997-4

Client ID: ES-4

Operator ID:

ALS Bottle#: 11

Worklist Smp#: 11

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

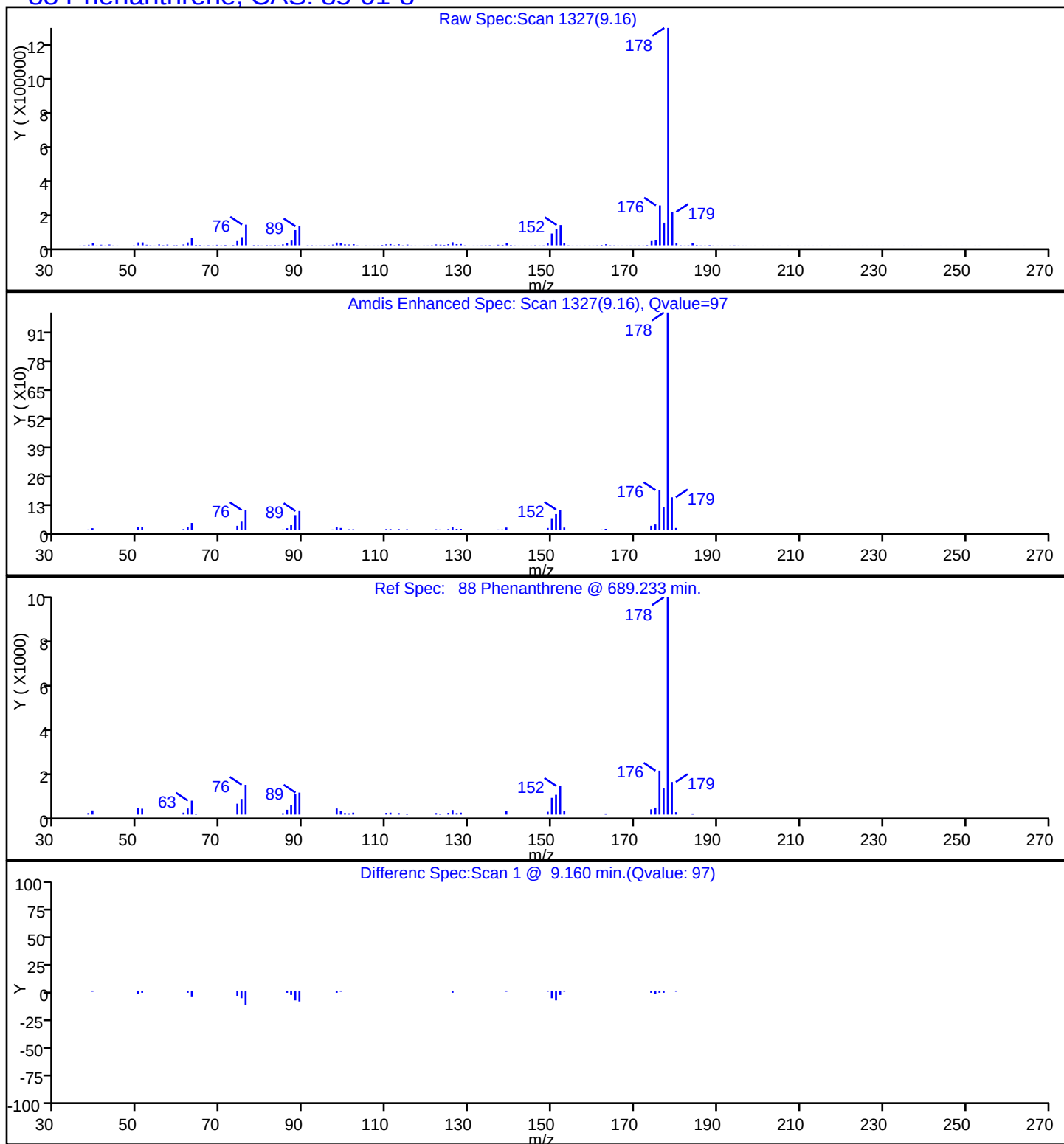
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

88 Phenanthrene, CAS: 85-01-8



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35651.D

Injection Date: 22-Aug-2015 12:59:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-4-A

Lab Sample ID: 460-99997-4

Client ID: ES-4

Operator ID:

ALS Bottle#: 11

Worklist Smp#: 11

Injection Vol: 1.0 ul

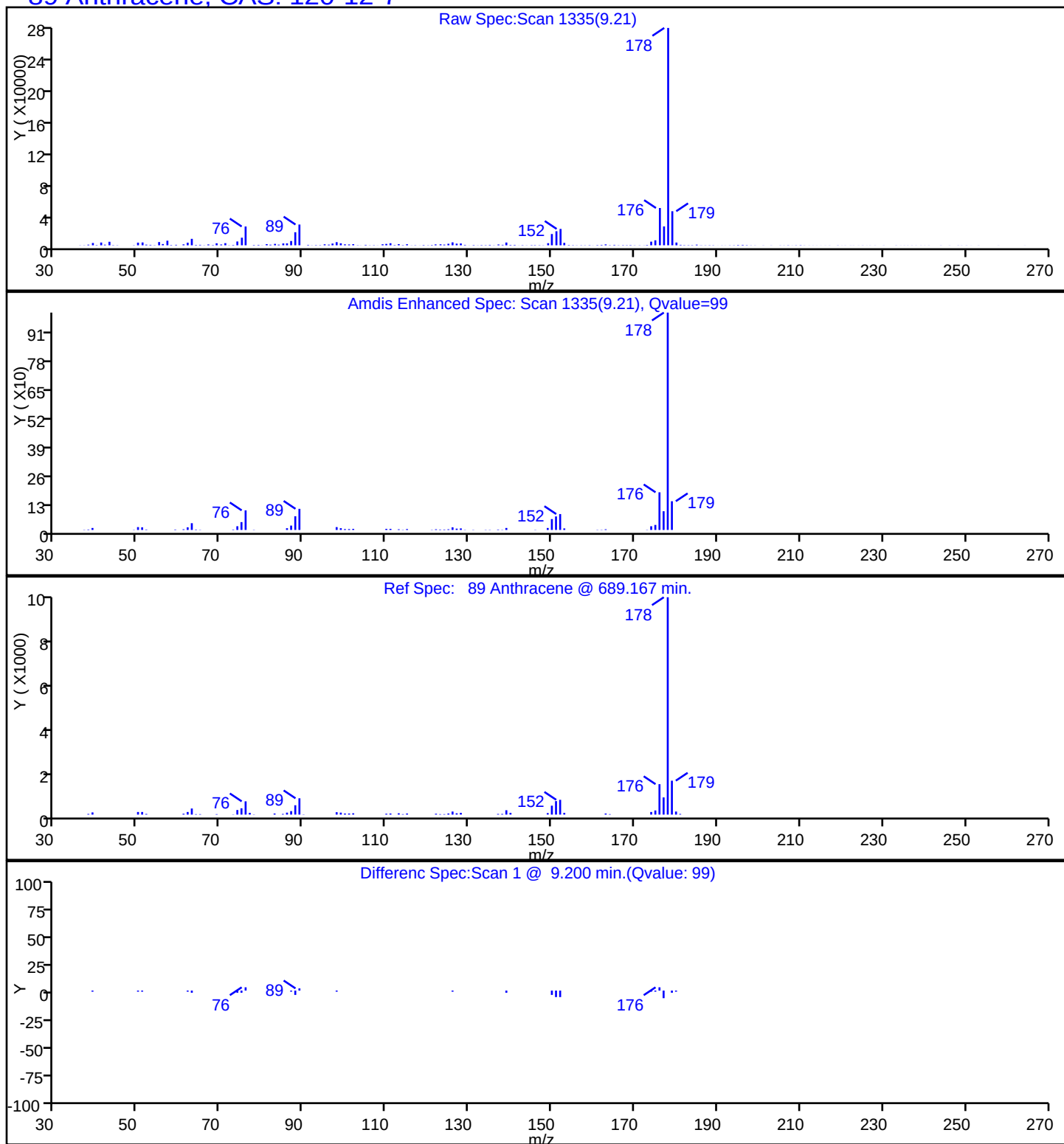
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

89 Anthracene, CAS: 120-12-7

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35651.D

Injection Date: 22-Aug-2015 12:59:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-4-A

Lab Sample ID: 460-99997-4

Client ID: ES-4

Operator ID:

ALS Bottle#: 11

Worklist Smp#: 11

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

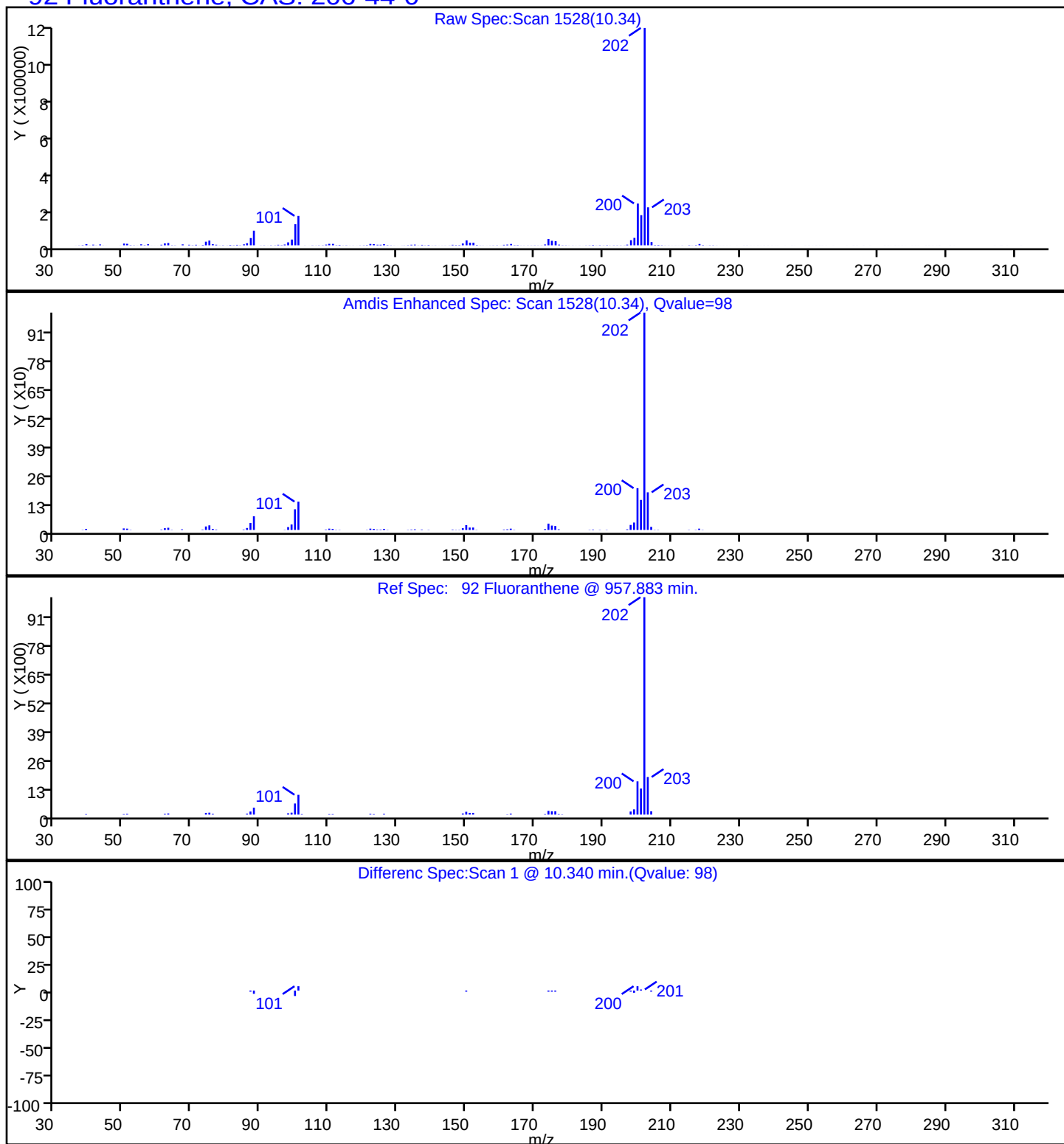
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

92 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35651.D

Injection Date: 22-Aug-2015 12:59:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-4-A

Lab Sample ID: 460-99997-4

Client ID: ES-4

Operator ID:

ALS Bottle#:

11

Worklist Smp#:

11

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

Limit Group:

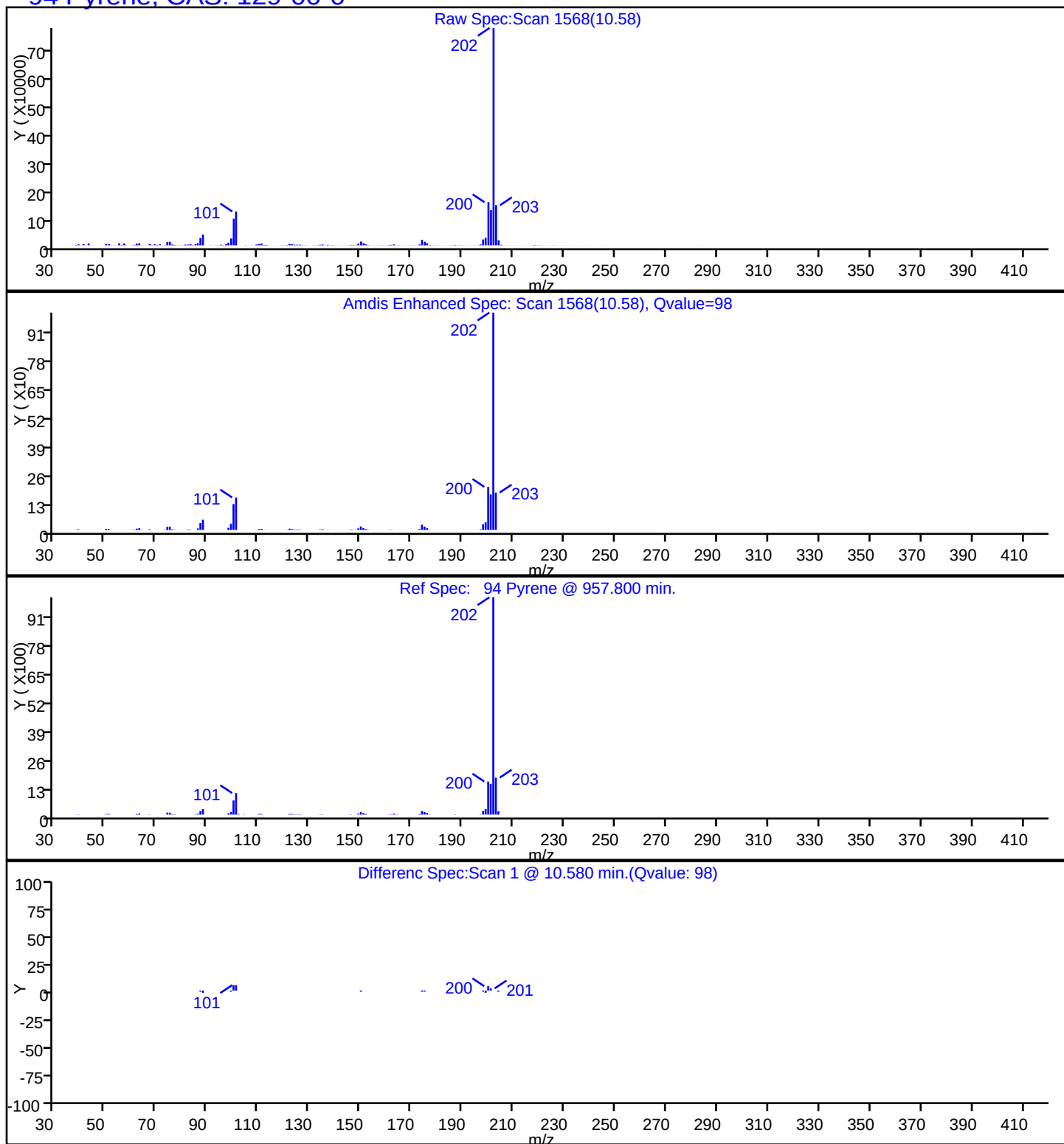
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

94 Pyrene, CAS: 129-00-0



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35651.D

Injection Date: 22-Aug-2015 12:59:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-4-A

Lab Sample ID: 460-99997-4

Client ID: ES-4

Operator ID:

ALS Bottle#: 11

Worklist Smp#: 11

Injection Vol: 1.0 ul

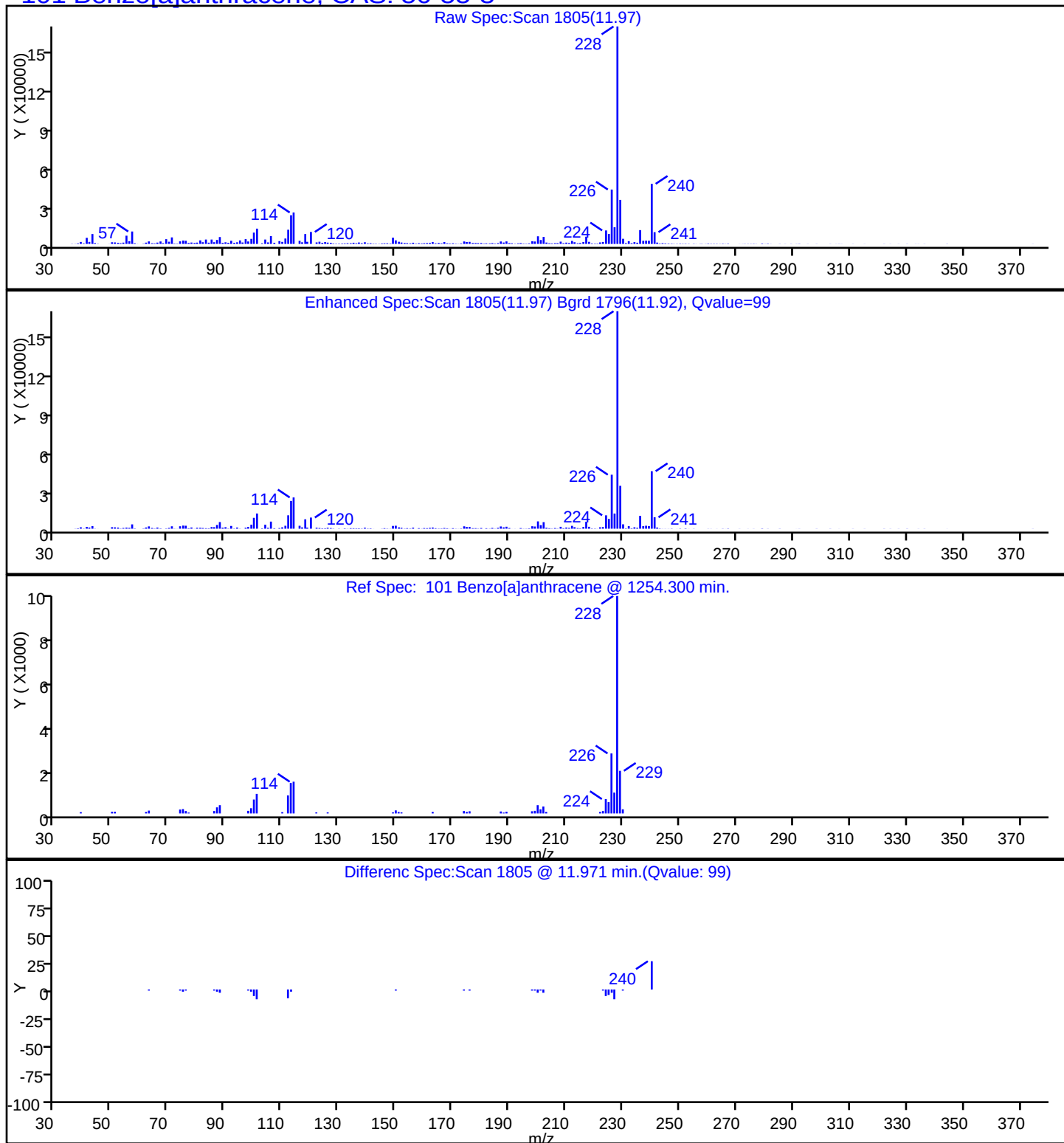
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

101 Benzo[a]anthracene, CAS: 56-55-3

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35651.D

Injection Date: 22-Aug-2015 12:59:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-4-A

Lab Sample ID: 460-99997-4

Client ID: ES-4

Operator ID:

ALS Bottle#: 11

Worklist Smp#: 11

Injection Vol: 1.0 ul

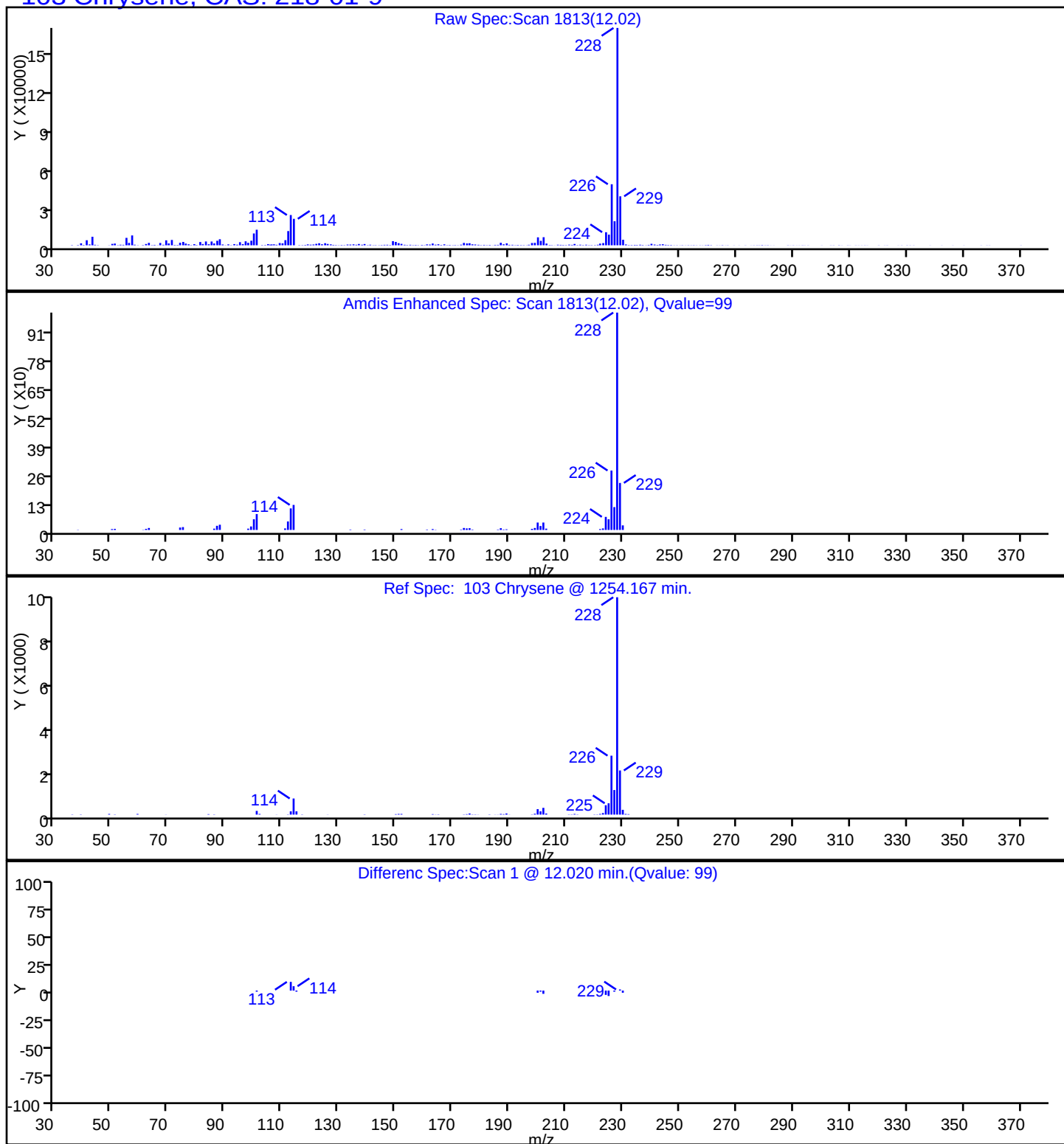
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

103 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35651.D

Injection Date: 22-Aug-2015 12:59:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-4-A

Lab Sample ID: 460-99997-4

Client ID: ES-4

Operator ID:

ALS Bottle#: 11

Worklist Smp#: 11

Injection Vol: 1.0 ul

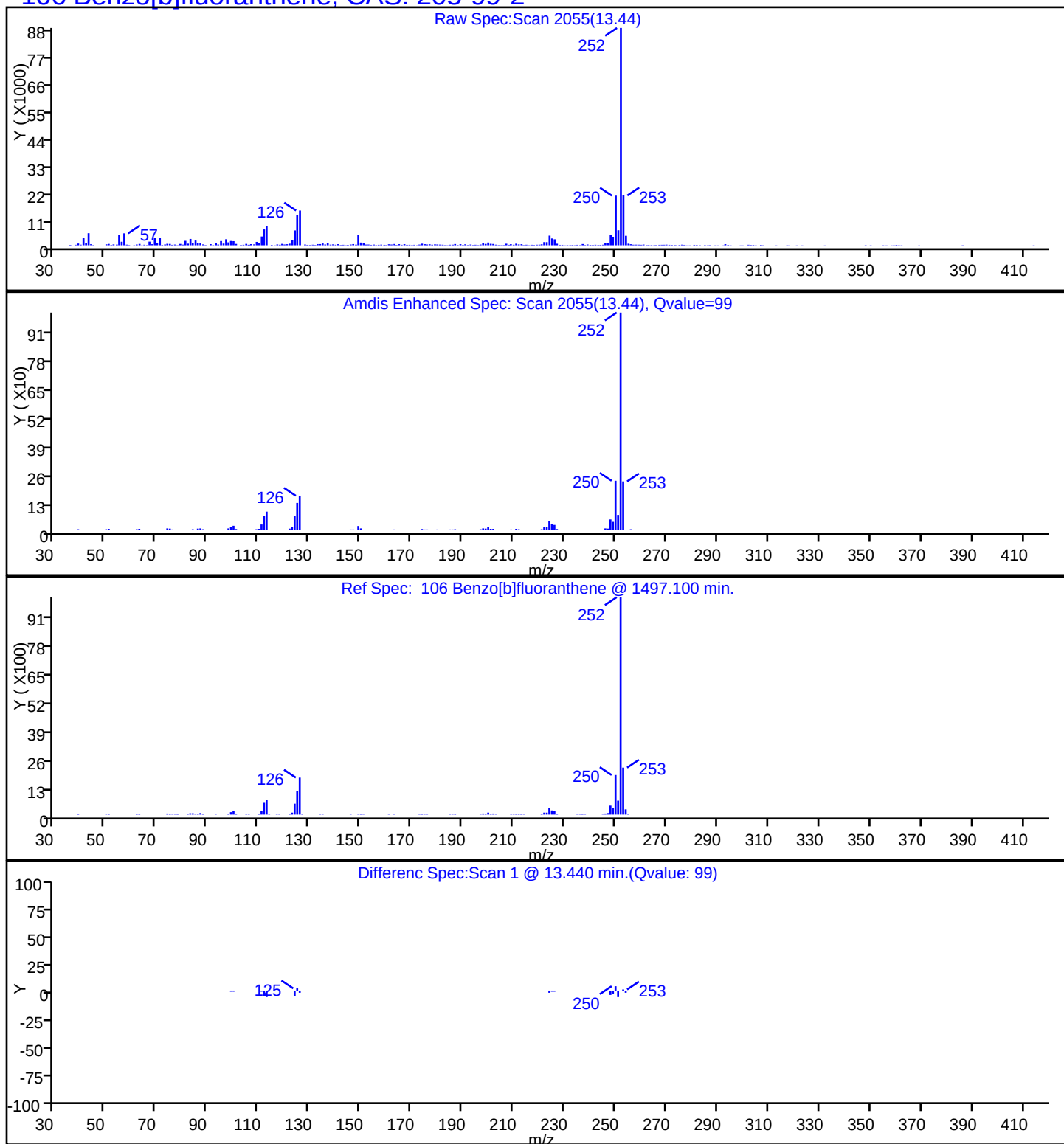
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

106 Benzo[b]fluoranthene, CAS: 205-99-2

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35651.D

Injection Date: 22-Aug-2015 12:59:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-4-A

Lab Sample ID: 460-99997-4

Client ID: ES-4

Operator ID:

ALS Bottle#:

11

Worklist Smp#:

11

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

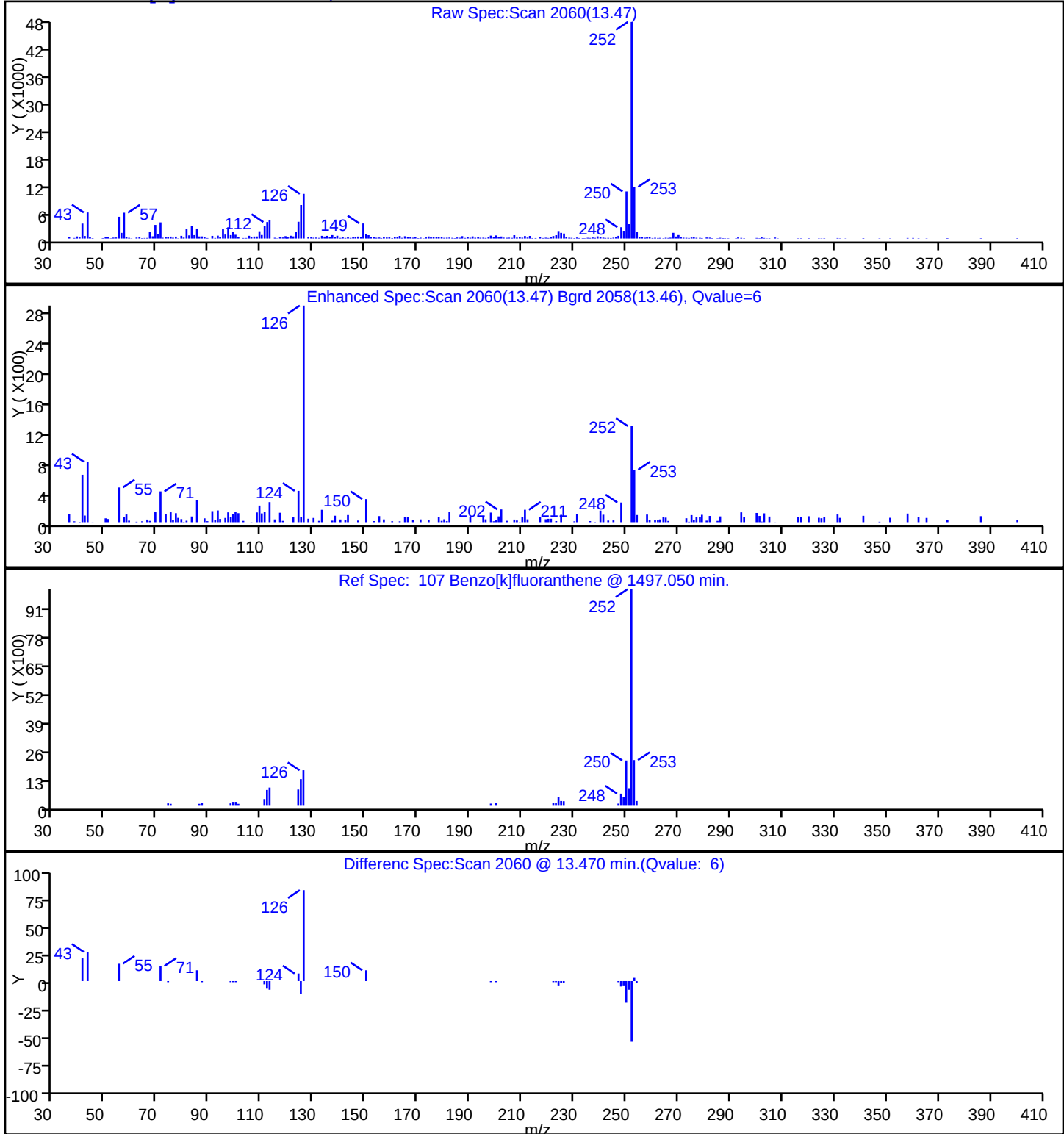
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

107 Benzo[k]fluoranthene, CAS: 207-08-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35651.D

Injection Date: 22-Aug-2015 12:59:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-4-A

Lab Sample ID: 460-99997-4

Client ID: ES-4

Operator ID:

ALS Bottle#: 11

Worklist Smp#: 11

Injection Vol: 1.0 ul

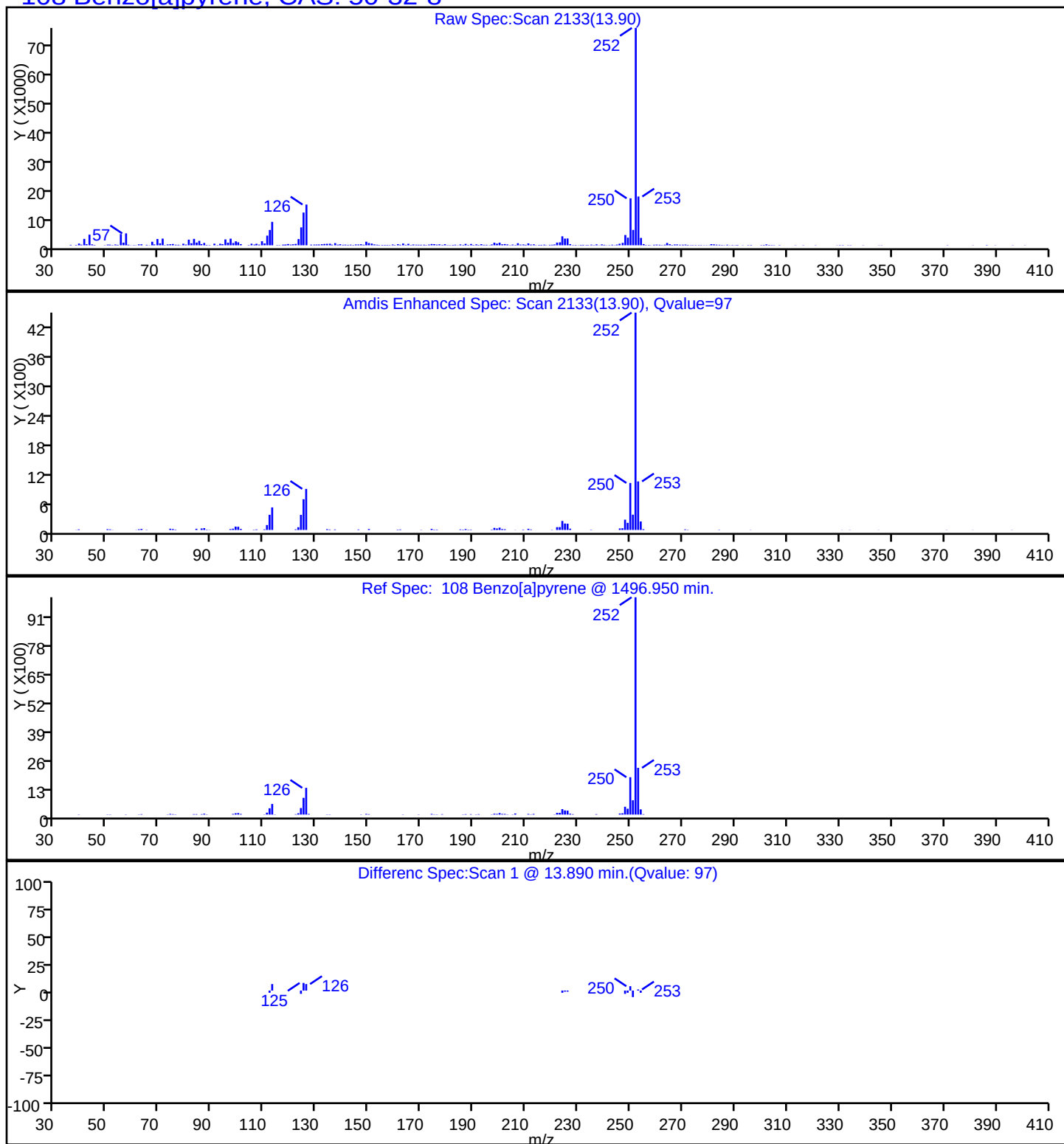
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

108 Benzo[a]pyrene, CAS: 50-32-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35651.D

Injection Date: 22-Aug-2015 12:59:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-4-A

Lab Sample ID: 460-99997-4

Client ID: ES-4

Operator ID:

ALS Bottle#: 11 Worklist Smp#: 11

Injection Vol: 1.0 ul

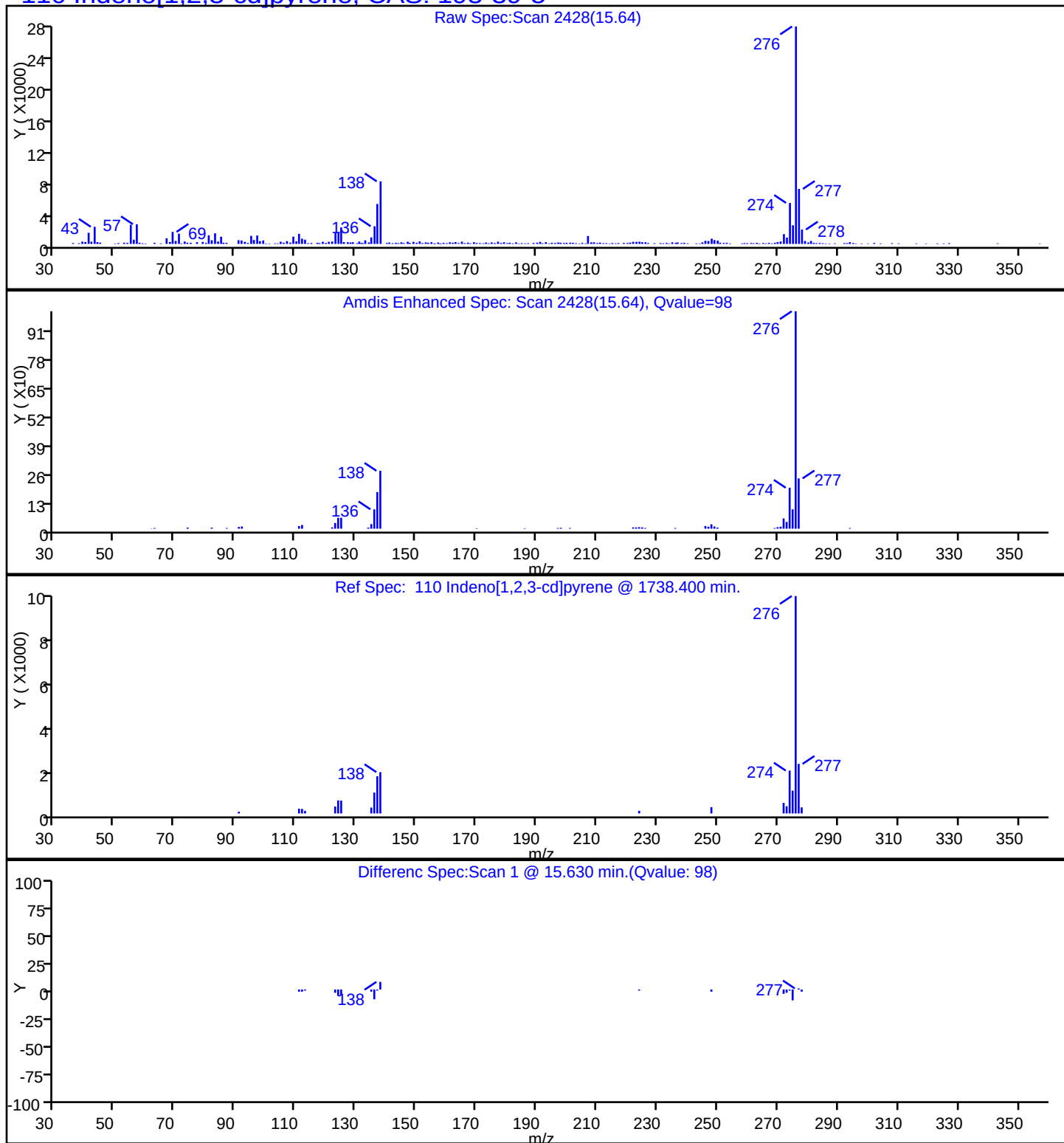
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35651.D

Injection Date: 22-Aug-2015 12:59:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-4-A

Lab Sample ID: 460-99997-4

Client ID: ES-4

Operator ID:

ALS Bottle#:

11

Worklist Smp#:

11

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

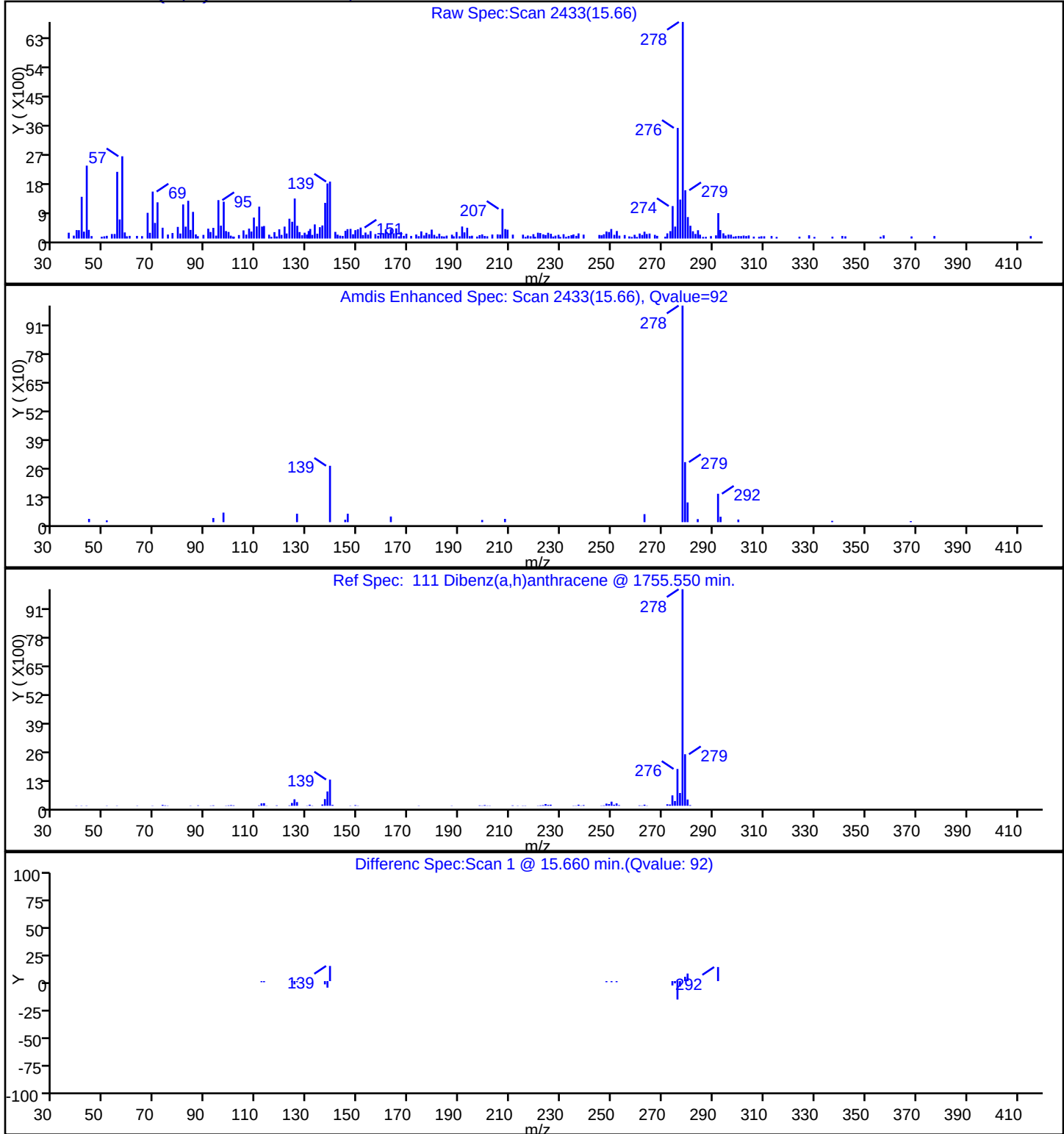
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

111 Dibenz(a,h)anthracene, CAS: 53-70-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35651.D

Injection Date: 22-Aug-2015 12:59:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-4-A

Lab Sample ID: 460-99997-4

Client ID: ES-4

Operator ID:

ALS Bottle#:

11

Worklist Smp#:

11

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

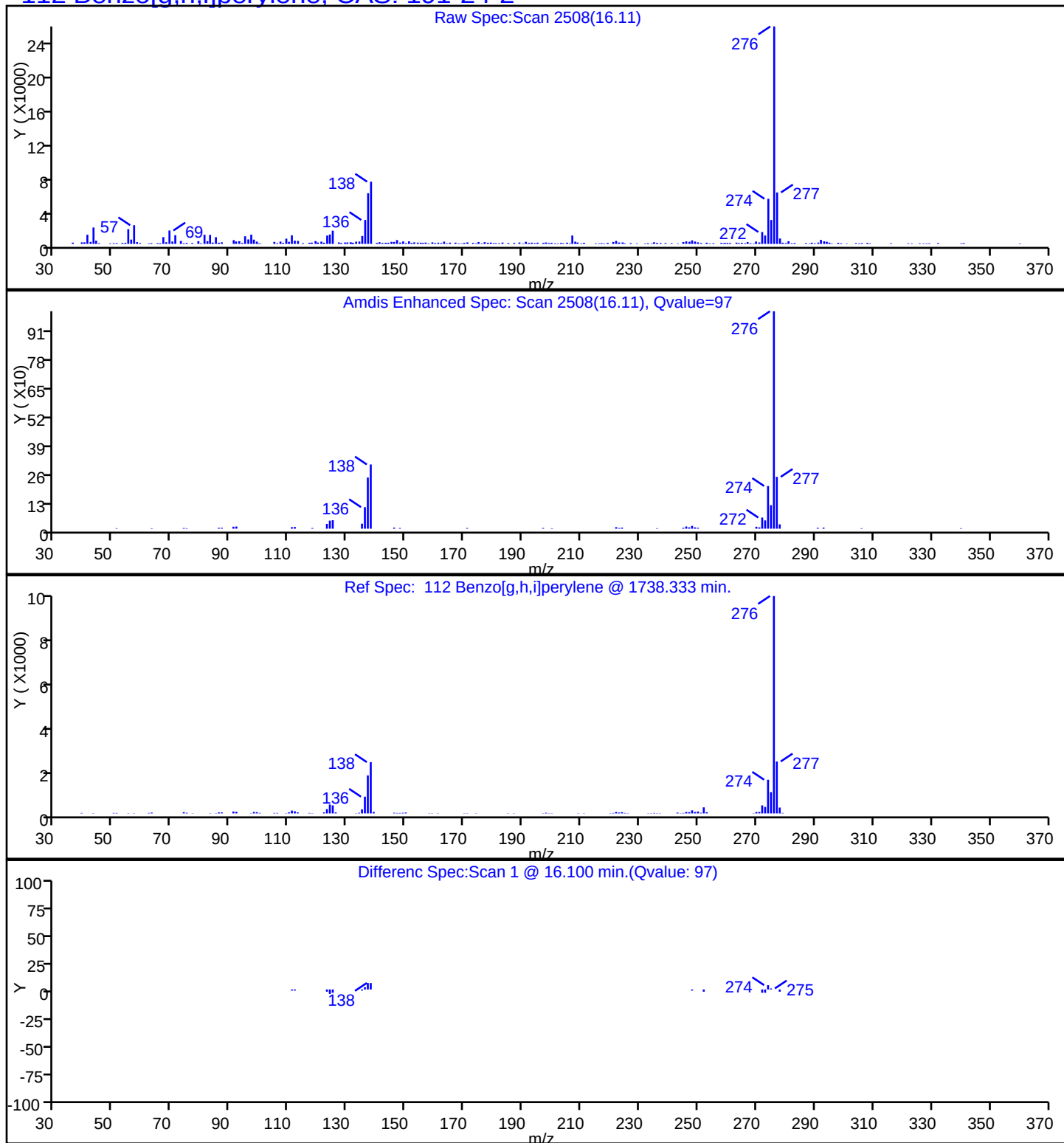
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

112 Benzo[g,h,i]perylene, CAS: 191-24-2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-5</u>	Lab Sample ID: <u>460-99997-5</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z35652.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>08/20/2015 09:57</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>08/21/2015 21:30</u>
Sample wt/vol: <u>15.0216(g)</u>	Date Analyzed: <u>08/22/2015 13:22</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>21.0</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318190</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.10	J	0.42	0.011
91-57-6	2-Methylnaphthalene	0.058	J	0.42	0.0092
208-96-8	Acenaphthylene	0.011	U	0.42	0.011
83-32-9	Acenaphthene	0.40	J	0.42	0.010
86-73-7	Fluorene	0.19	J	0.42	0.0091
85-01-8	Phenanthrene	4.4		0.42	0.011
120-12-7	Anthracene	0.92		0.42	0.040
206-44-0	Fluoranthene	5.2		0.42	0.012
129-00-0	Pyrene	4.1		0.42	0.019
56-55-3	Benzo[a]anthracene	1.8		0.042	0.035
218-01-9	Chrysene	1.8		0.42	0.011
205-99-2	Benzo[b]fluoranthene	1.9		0.042	0.016
207-08-9	Benzo[k]fluoranthene	0.73		0.042	0.018
50-32-8	Benzo[a]pyrene	1.3		0.042	0.013
193-39-5	Indeno[1,2,3-cd]pyrene	1.1		0.042	0.028
53-70-3	Dibenz(a,h)anthracene	0.26		0.042	0.022
191-24-2	Benzo[g,h,i]perylene	0.94		0.42	0.024

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	82		30-130
1718-51-0	Terphenyl-d14	104		30-130
321-60-8	2-Fluorobiphenyl	86		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35652.D
 Lims ID: 460-99997-E-5-A Lab Sample ID: 460-99997-5
 Client ID: ES-5
 Sample Type: Client
 Inject. Date: 22-Aug-2015 13:22:30 ALS Bottle#: 12 Worklist Smp#: 12
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031003-012
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Aug-2015 10:28:20 Calib Date: 19-Aug-2015 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35546.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: szczecha

Date: 24-Aug-2015 10:29:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.659	3.336	0.323	94	451781	36.8	
\$ 6 Phenol-d5	99	4.312	4.259	0.053	86	525782	36.5	
7 Phenol	94	4.324	4.277	0.047	96	12129	0.8051	
* 14 1,4-Dichlorobenzene-d4	152	4.653	4.612	0.041	96	382493	40.0	
22 Acetophenone	105	5.041	5.036	0.005	95	10847	0.7530	
\$ 26 Nitrobenzene-d5	82	5.194	5.183	0.011	91	489875	41.2	
31 Isophorone	82	5.441	5.453	-0.012	98	474495	24.6	
* 38 Naphthalene-d8	136	5.906	5.894	0.012	99	1345479	40.0	
39 Naphthalene	128	5.924	5.930	-0.006	98	40915	1.23	
44 2-Methylnaphthalene	142	6.612	6.618	-0.006	85	15143	0.6903	
\$ 51 2-Fluorobiphenyl	172	6.982	6.983	-0.001	98	1032587	43.2	
* 65 Acenaphthene-d10	164	7.659	7.659	0.000	92	647530	40.0	
67 Acenaphthene	154	7.688	7.700	-0.012	93	91252	4.71	
71 Dibenzofuran	168	7.859	7.871	-0.012	96	91122	3.61	
74 Fluorene	166	8.200	8.206	-0.006	98	42661	2.20	
\$ 80 2,4,6-Tribromophenol	330	8.441	8.447	-0.006	94	102766	51.1	
* 87 Phenanthrene-d10	188	9.135	9.129	0.006	99	831830	40.0	
88 Phenanthrene	178	9.159	9.165	-0.006	97	1251336	52.3	
89 Anthracene	178	9.206	9.212	-0.006	99	264302	11.0	
90 Carbazole	167	9.359	9.365	-0.006	95	120055	6.14	
91 Di-n-butyl phthalate	149	9.688	9.694	-0.006	97	12341	0.5597	
92 Fluoranthene	202	10.341	10.341	0.000	98	1131113	61.4	
94 Pyrene	202	10.576	10.576	0.000	98	848254	49.1	
\$ 96 Terphenyl-d14	244	10.729	10.729	0.000	99	544889	51.8	
97 Butyl benzyl phthalate	149	11.270	11.271	-0.001	96	174336	29.0	
101 Benzo[a]anthracene	228	11.970	11.976	-0.006	99	221758	21.2	
* 102 Chrysene-d12	240	11.988	11.982	0.006	99	349723	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.994	11.994	0.000	89	218802	28.0	
103 Chrysene	228	12.017	12.023	-0.006	99	195607	20.9	
106 Benzo[b]fluoranthene	252	13.441	13.447	-0.006	98	170013	22.3	
107 Benzo[k]fluoranthene	252	13.476	13.482	-0.006	13	65579	8.60	
108 Benzo[a]pyrene	252	13.900	13.906	-0.006	97	105077	15.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 109 Perylene-d12	264	13.982	13.982	0.000	97	253074	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.635	15.647	-0.012	98	66173	12.9	
111 Dibenzo(a,h)anthracene	278	15.664	15.676	-0.012	94	16272	3.11	
112 Benzo[g,h,i]perylene	276	16.105	16.117	-0.012	97	62205	11.1	

Reagents:

SM_ISTD_00091

Amount Added: 20.00

Units: uL

Run Reagent

Report Date: 24-Aug-2015 10:29:50

Chrom Revision: 2.2 23-Jul-2015 08:26:08

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35652.D

Injection Date: 22-Aug-2015 13:22:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: 460-99997-E-5-A

Lab Sample ID: 460-99997-5

Worklist Smp#: 12

Client ID: ES-5

Injection Vol: 1.0 ul

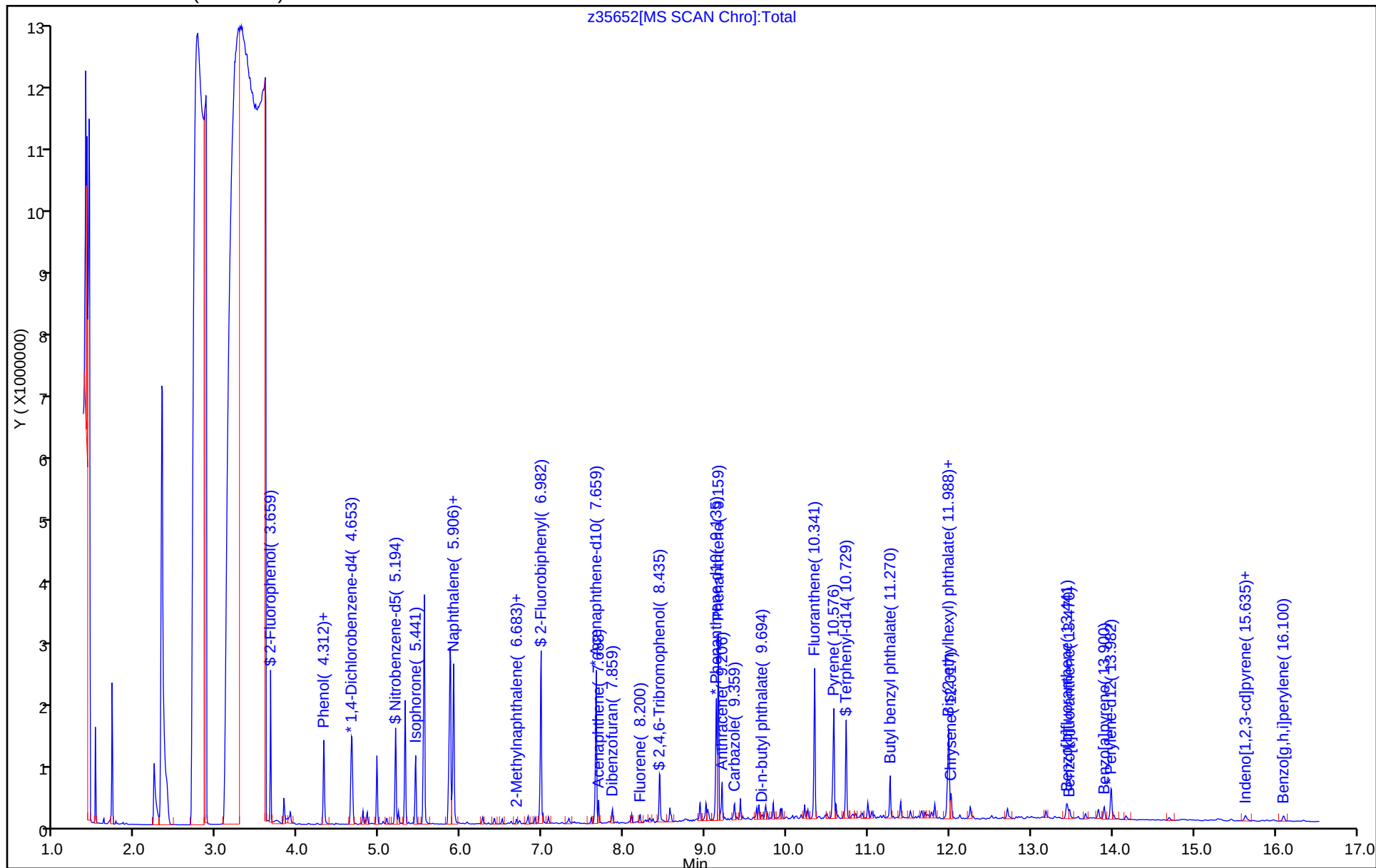
Dil. Factor: 1.0000

ALS Bottle#: 12

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35652.D

Injection Date: 22-Aug-2015 13:22:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-5-A

Lab Sample ID: 460-99997-5

Client ID: ES-5

Operator ID:

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

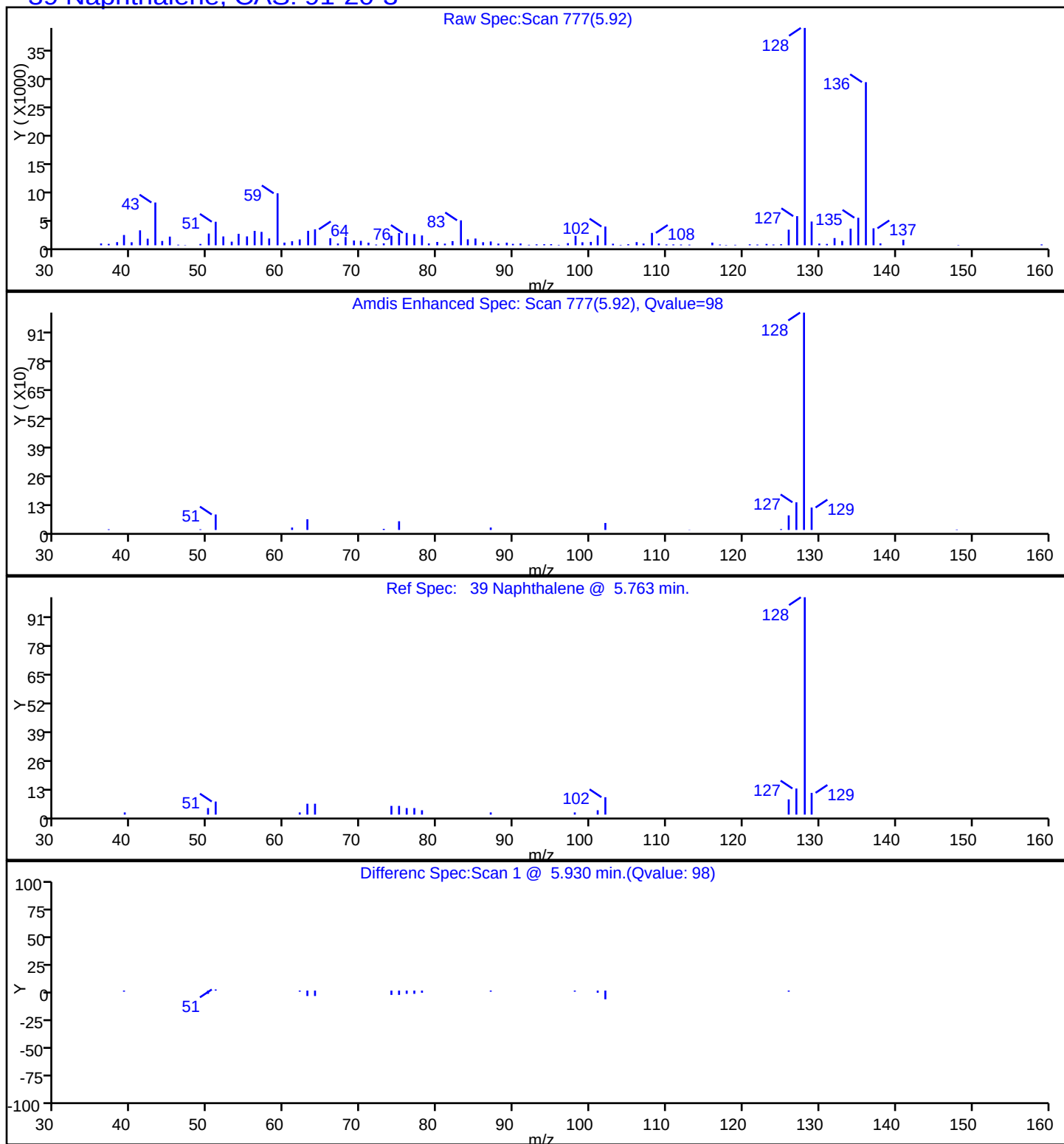
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

39 Naphthalene, CAS: 91-20-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35652.D

Injection Date: 22-Aug-2015 13:22:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-5-A

Lab Sample ID: 460-99997-5

Client ID: ES-5

Operator ID:

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

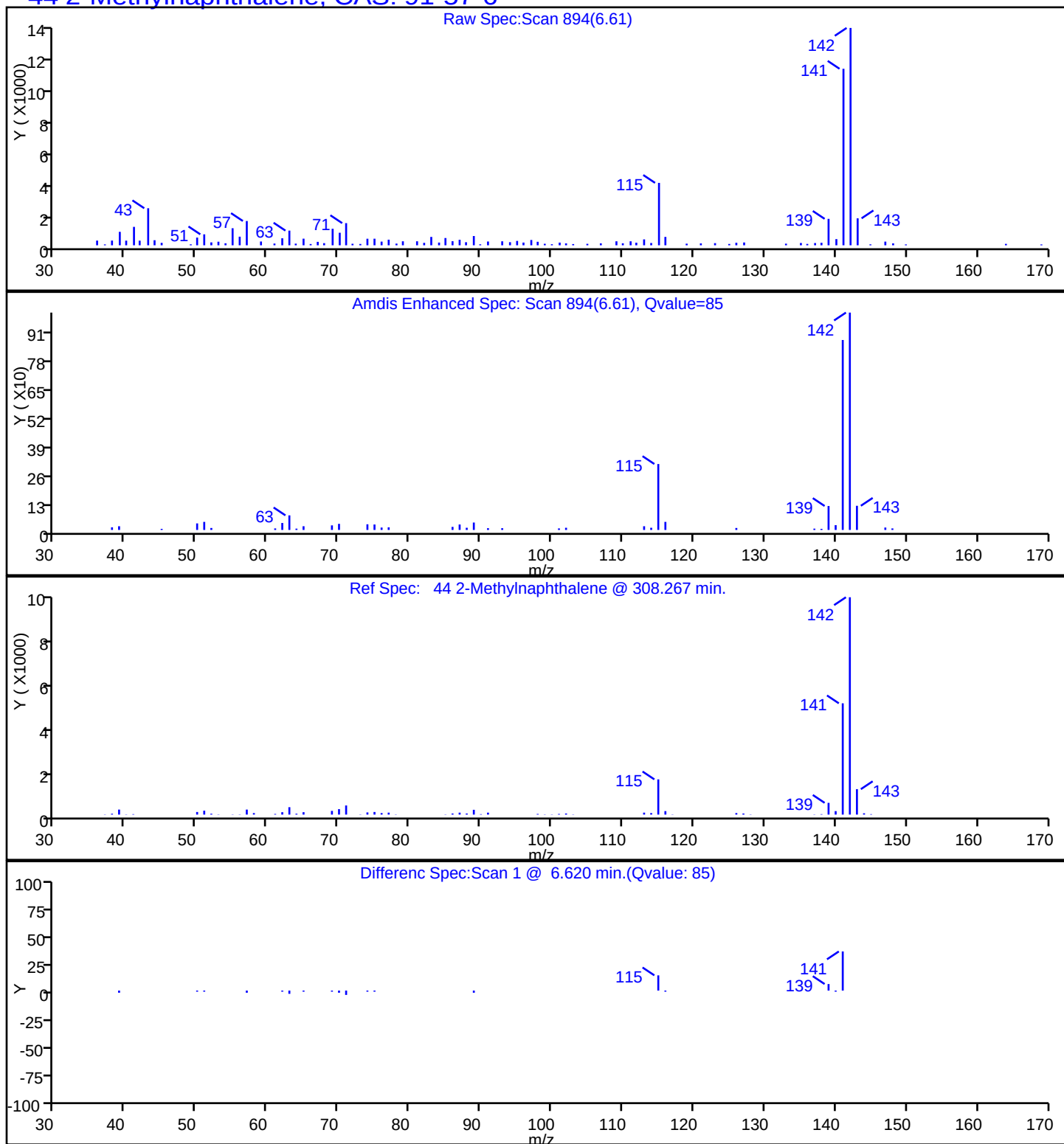
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

44 2-Methylnaphthalene, CAS: 91-57-6



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35652.D

Injection Date: 22-Aug-2015 13:22:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-5-A

Lab Sample ID: 460-99997-5

Client ID: ES-5

Operator ID:

ALS Bottle#:

Worklist Smp#: 12

Injection Vol: 1.0 ul

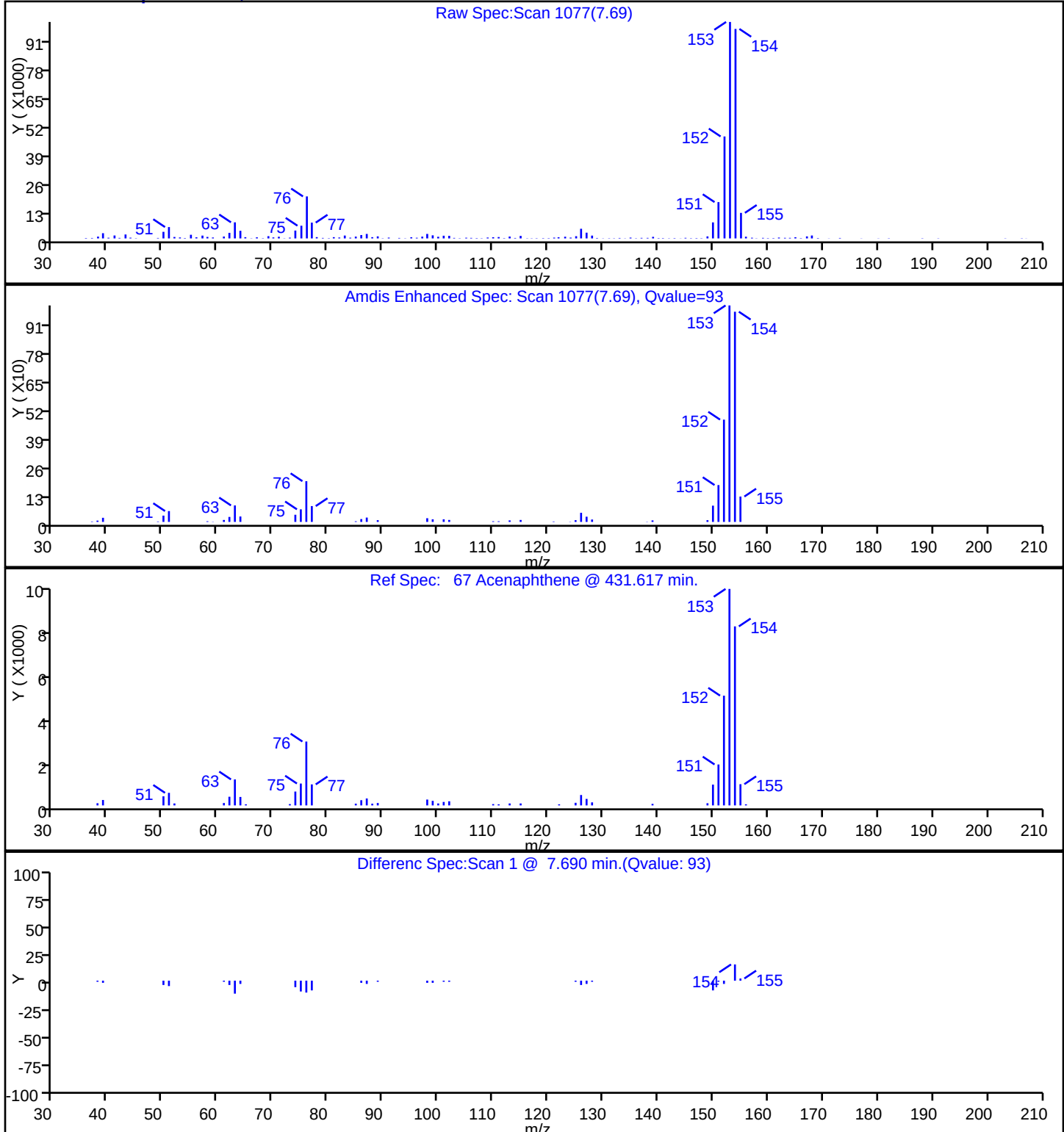
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

67 Acenaphthene, CAS: 83-32-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35652.D

Injection Date: 22-Aug-2015 13:22:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-5-A

Lab Sample ID: 460-99997-5

Client ID: ES-5

Operator ID:

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

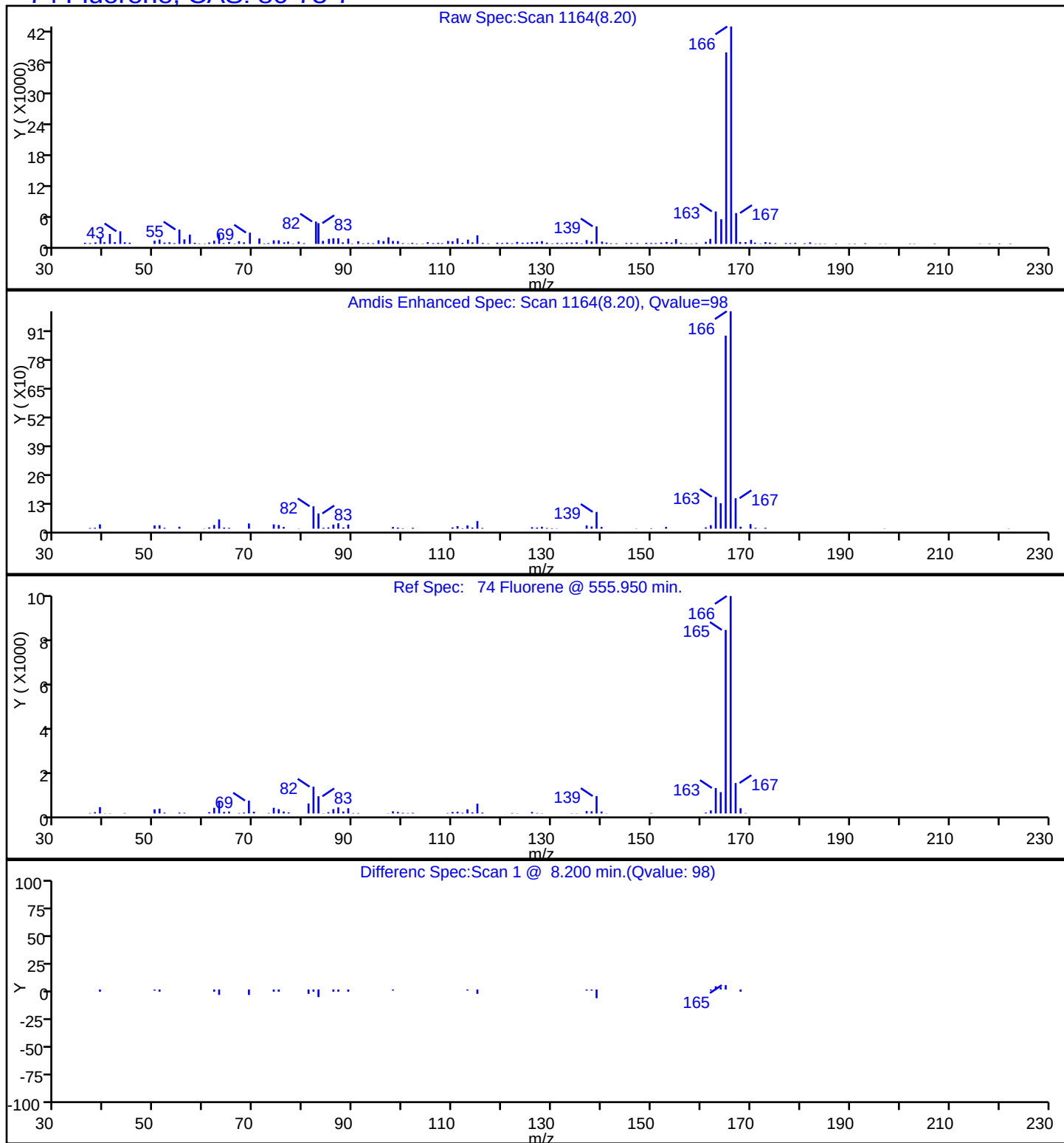
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

74 Fluorene, CAS: 86-73-7



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35652.D

Injection Date: 22-Aug-2015 13:22:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-5-A

Lab Sample ID: 460-99997-5

Client ID: ES-5

Operator ID:

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

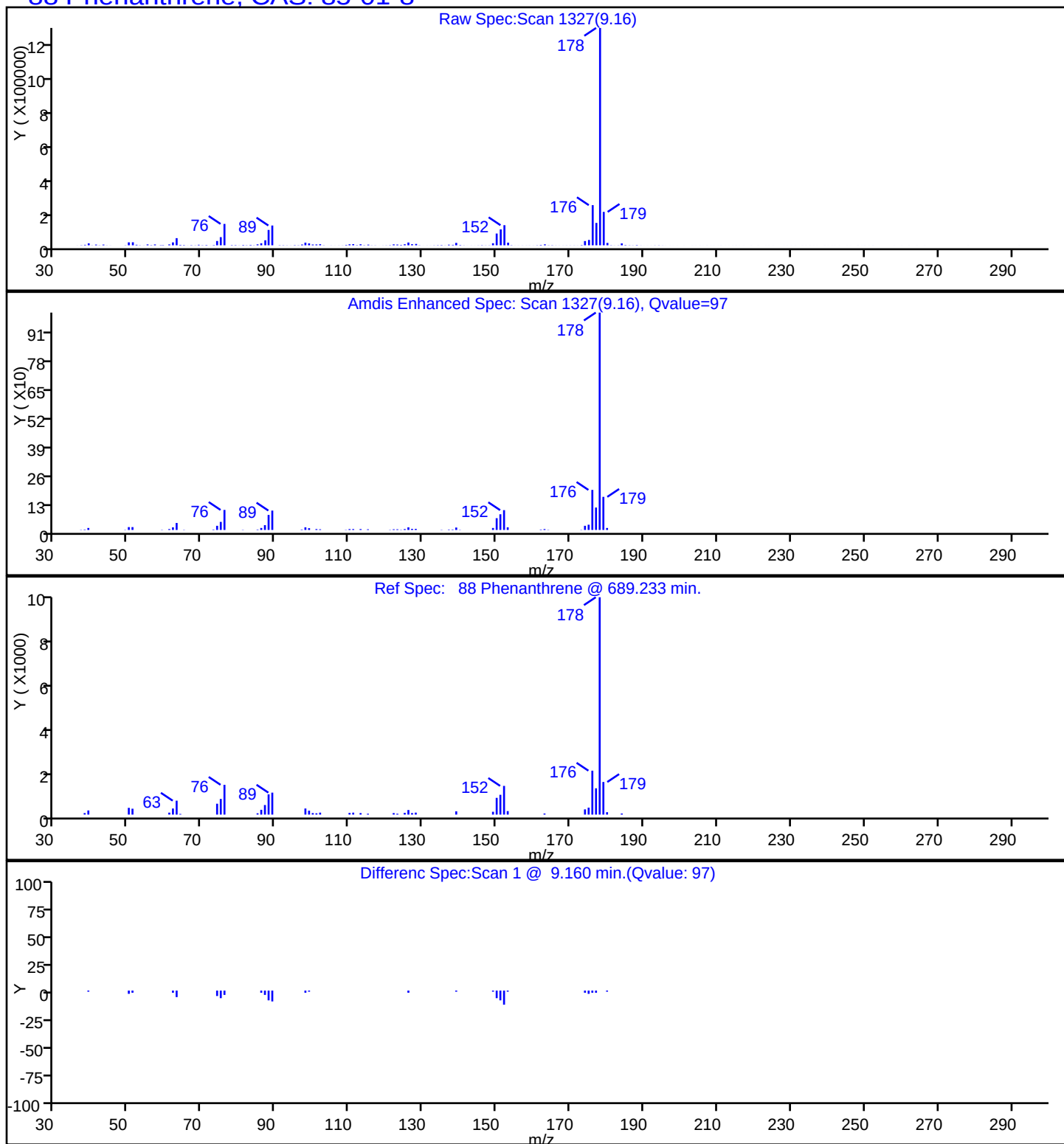
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

88 Phenanthrene, CAS: 85-01-8



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35652.D

Injection Date: 22-Aug-2015 13:22:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-5-A

Lab Sample ID: 460-99997-5

Client ID: ES-5

Operator ID:

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

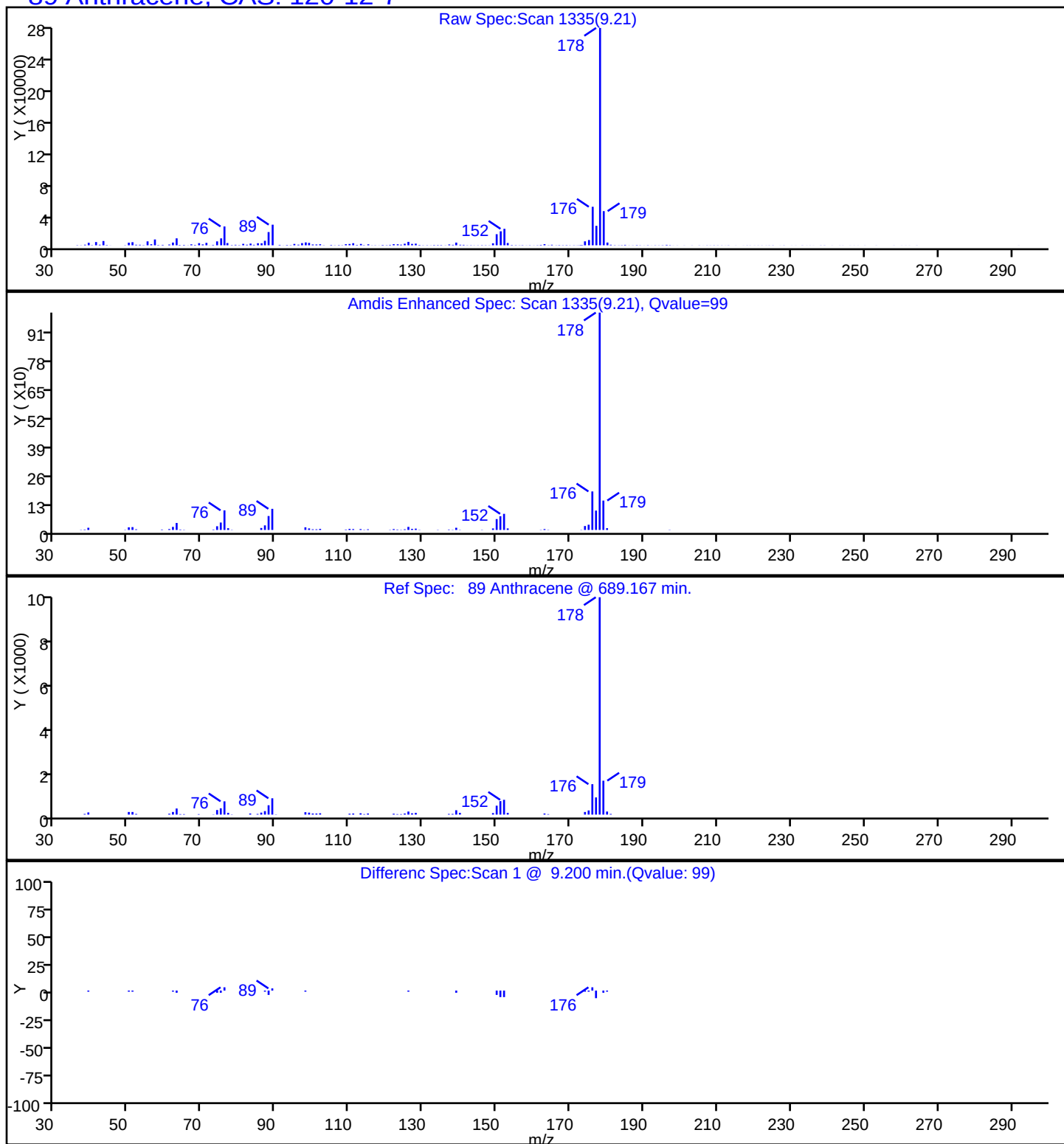
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

89 Anthracene, CAS: 120-12-7

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35652.D

Injection Date: 22-Aug-2015 13:22:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-5-A

Lab Sample ID: 460-99997-5

Client ID: ES-5

Operator ID:

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

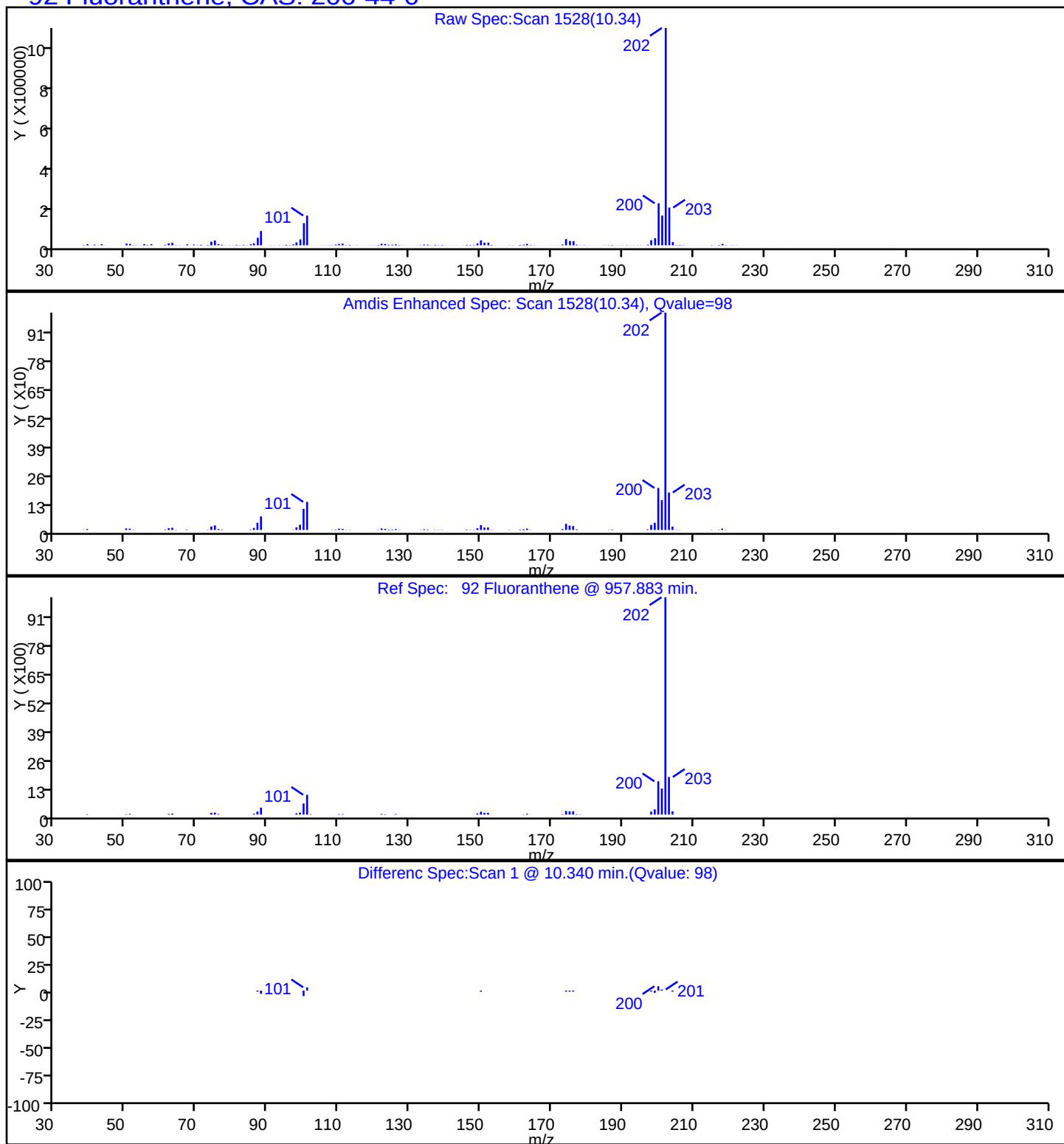
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

92 Fluoranthene, CAS: 206-44-0

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35652.D

Injection Date: 22-Aug-2015 13:22:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-5-A

Lab Sample ID: 460-99997-5

Client ID: ES-5

Operator ID:

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

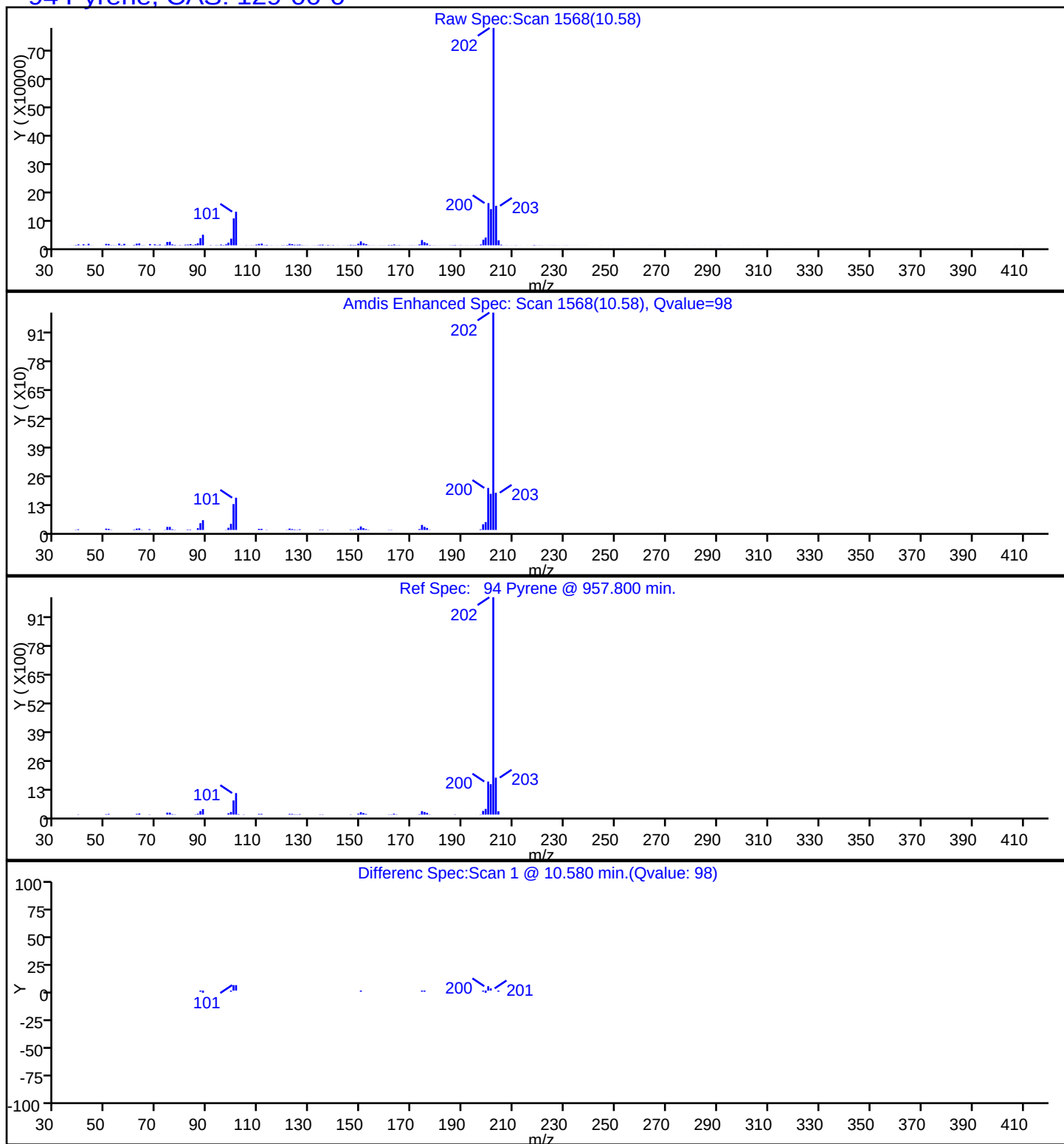
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

94 Pyrene, CAS: 129-00-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35652.D

Injection Date: 22-Aug-2015 13:22:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-5-A

Lab Sample ID: 460-99997-5

Client ID: ES-5

Operator ID:

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

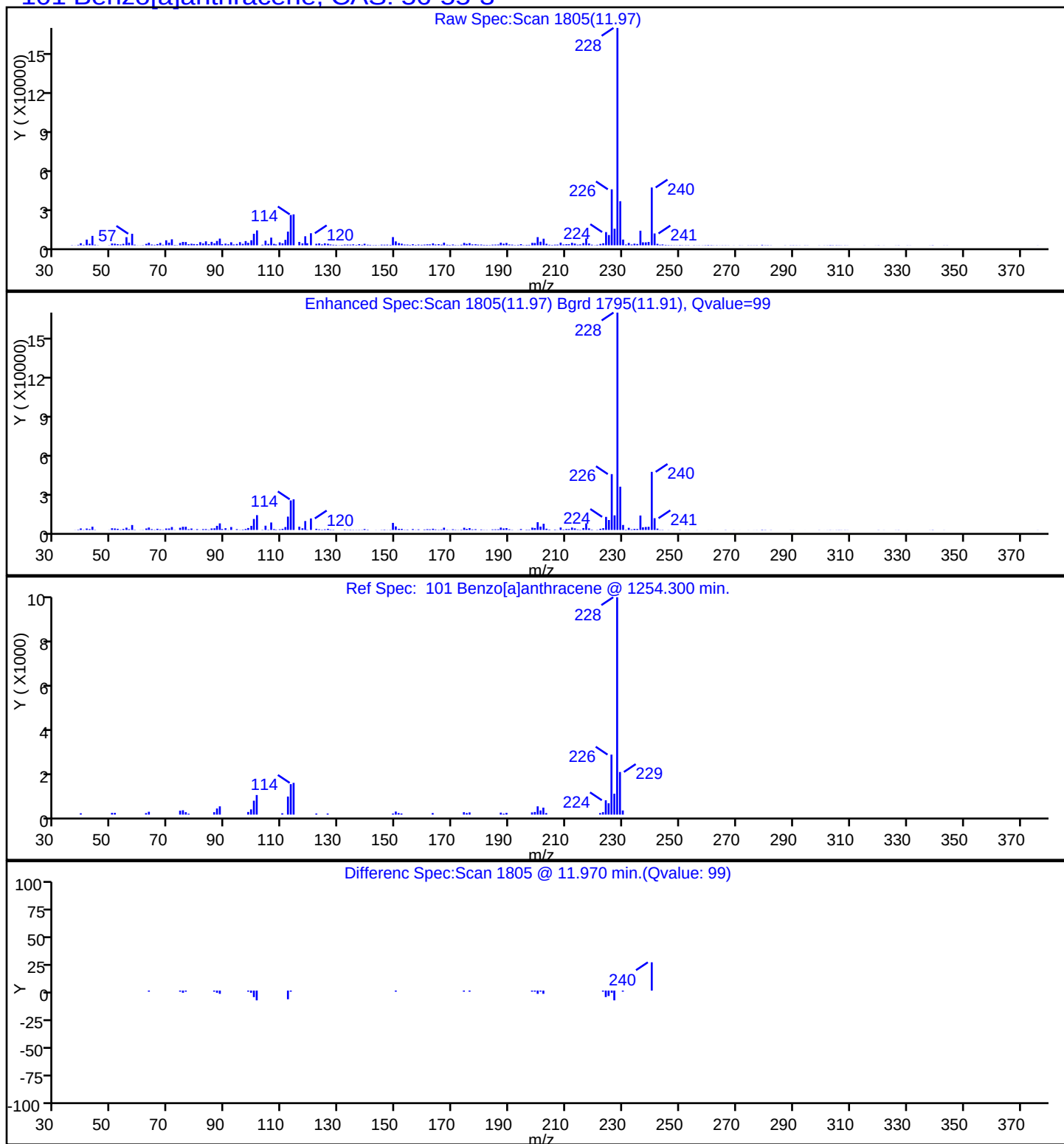
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

101 Benzo[a]anthracene, CAS: 56-55-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35652.D

Injection Date: 22-Aug-2015 13:22:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-5-A

Lab Sample ID: 460-99997-5

Client ID: ES-5

Operator ID:

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

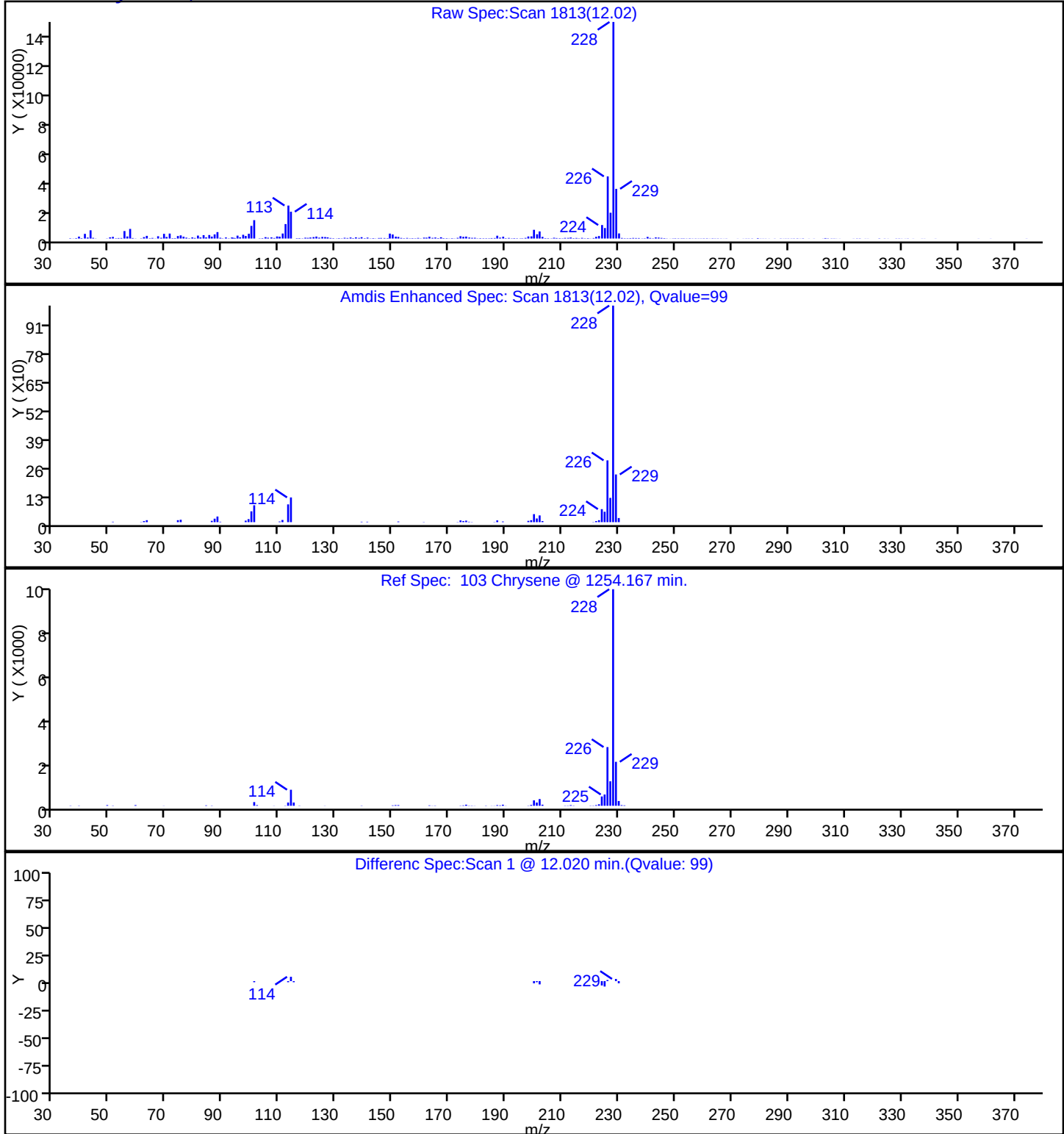
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

103 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35652.D

Injection Date: 22-Aug-2015 13:22:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-5-A

Lab Sample ID: 460-99997-5

Client ID: ES-5

Operator ID:

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

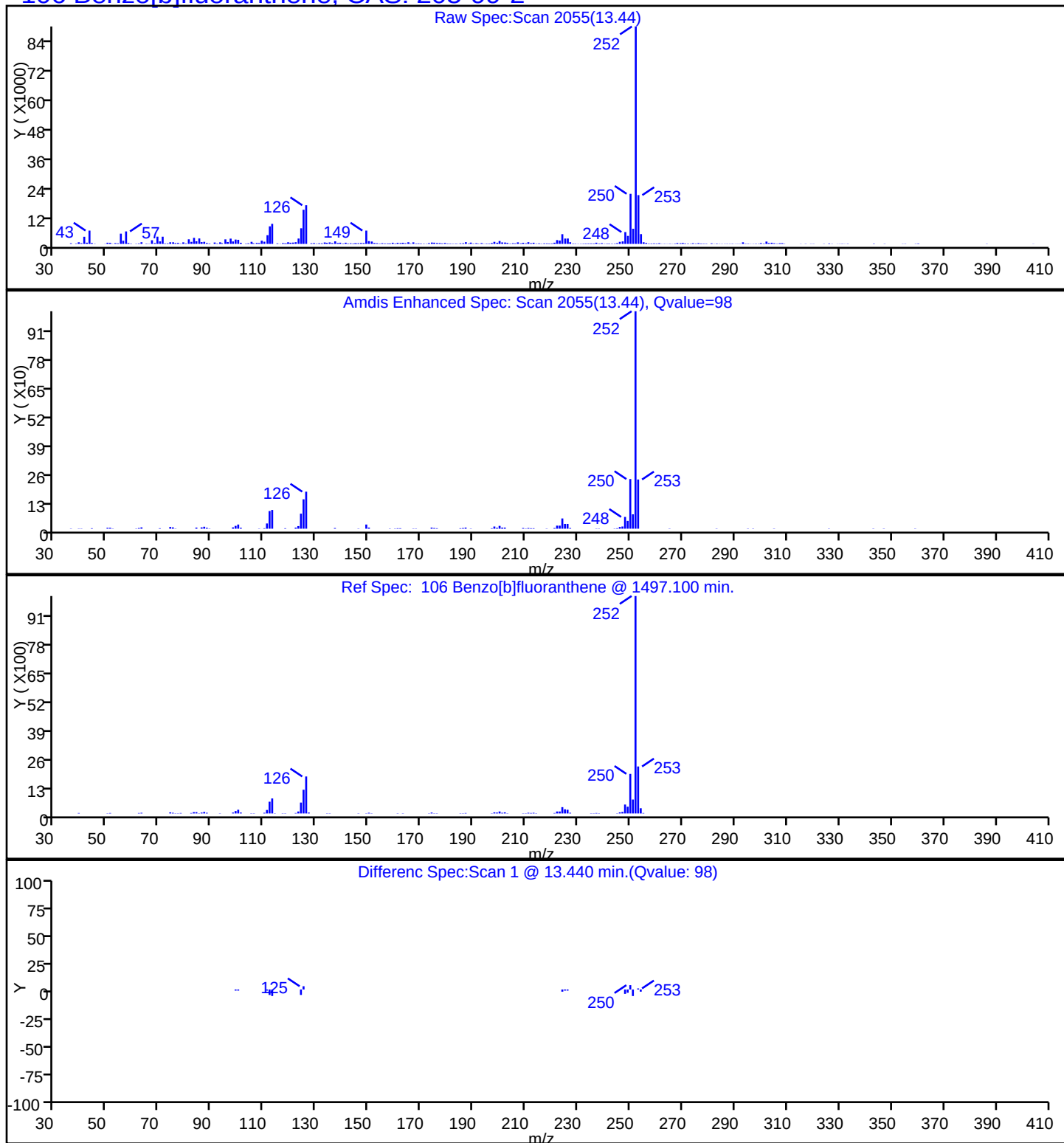
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

106 Benzo[b]fluoranthene, CAS: 205-99-2

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35652.D

Injection Date: 22-Aug-2015 13:22:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-5-A

Lab Sample ID: 460-99997-5

Client ID: ES-5

Operator ID:

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

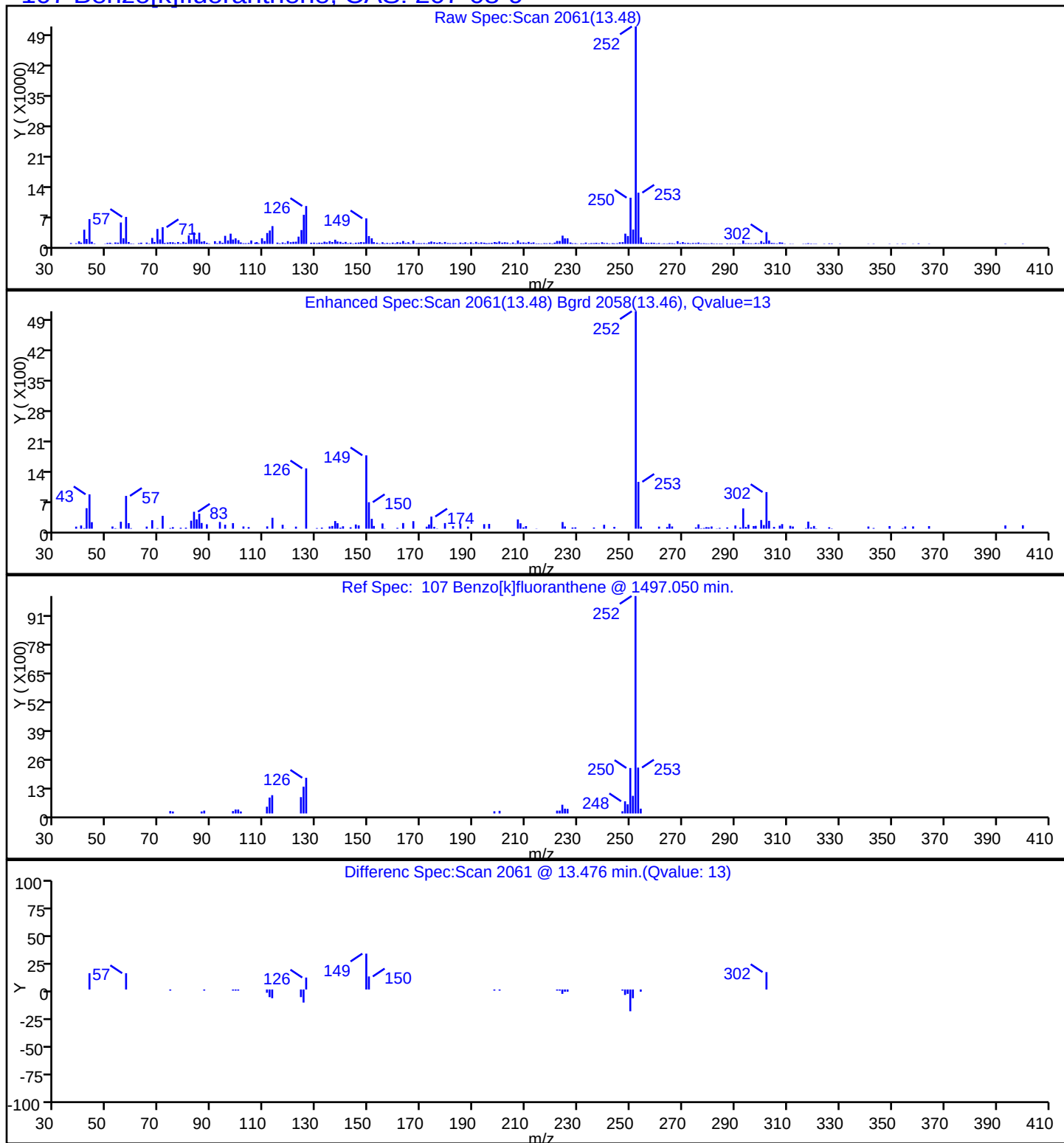
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

107 Benzo[k]fluoranthene, CAS: 207-08-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35652.D

Injection Date: 22-Aug-2015 13:22:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-5-A

Lab Sample ID: 460-99997-5

Client ID: ES-5

Operator ID:

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

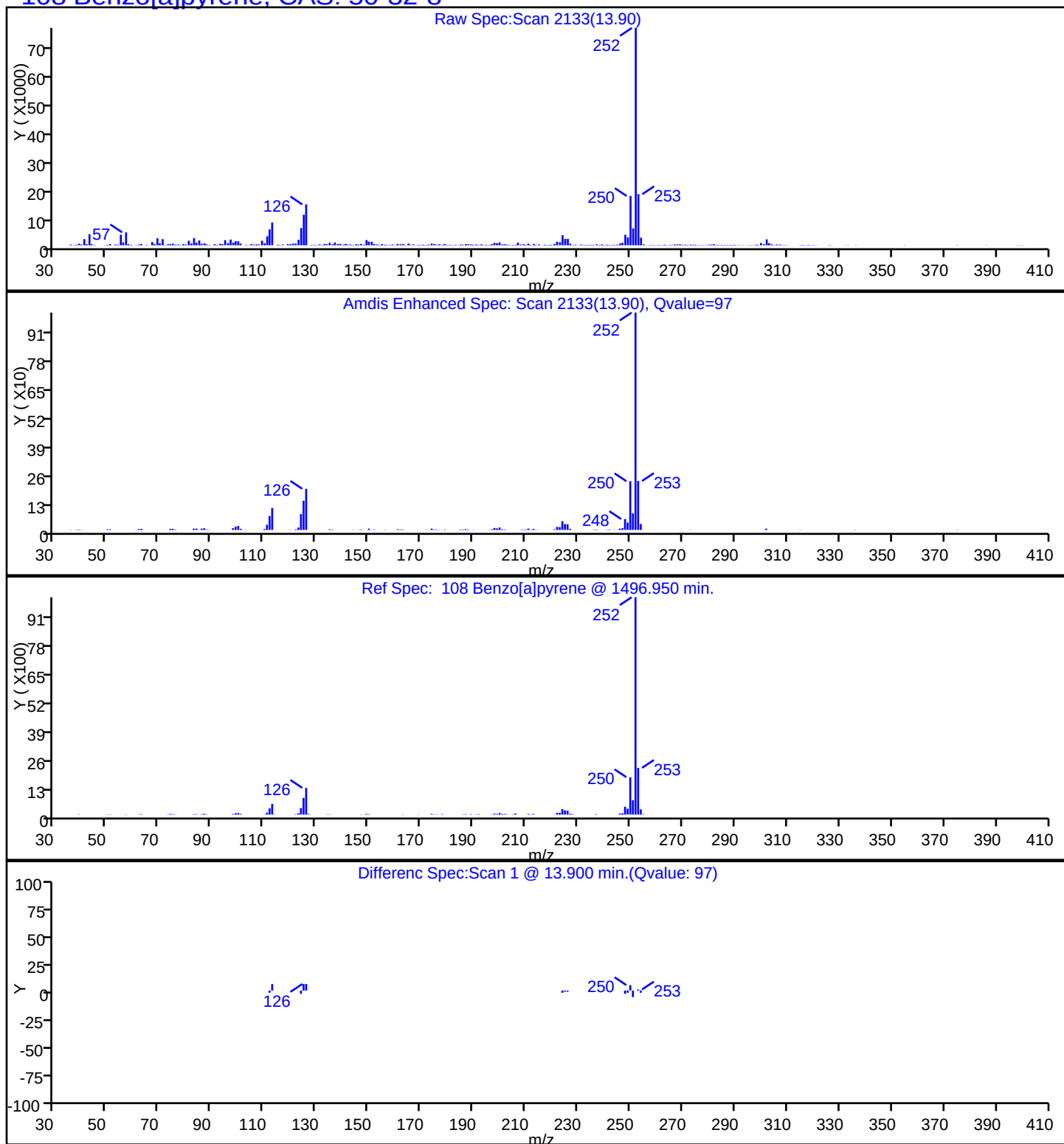
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

108 Benzo[a]pyrene, CAS: 50-32-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35652.D

Injection Date: 22-Aug-2015 13:22:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-5-A

Lab Sample ID: 460-99997-5

Client ID: ES-5

Operator ID:

ALS Bottle#:

12

Worklist Smp#:

12

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

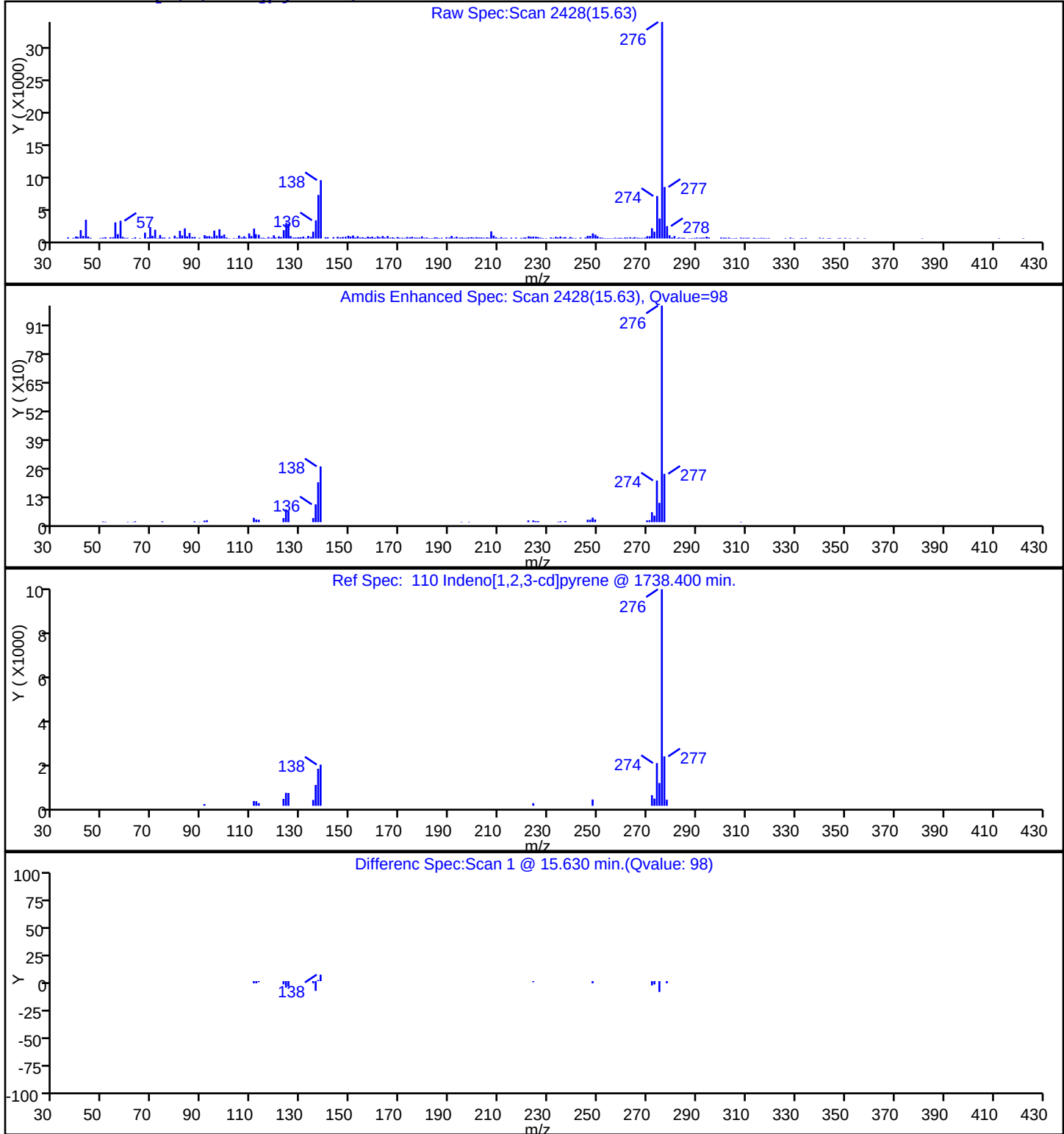
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35652.D

Injection Date: 22-Aug-2015 13:22:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-5-A

Lab Sample ID: 460-99997-5

Client ID: ES-5

Operator ID:

ALS Bottle#:

Worklist Smp#: 12

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

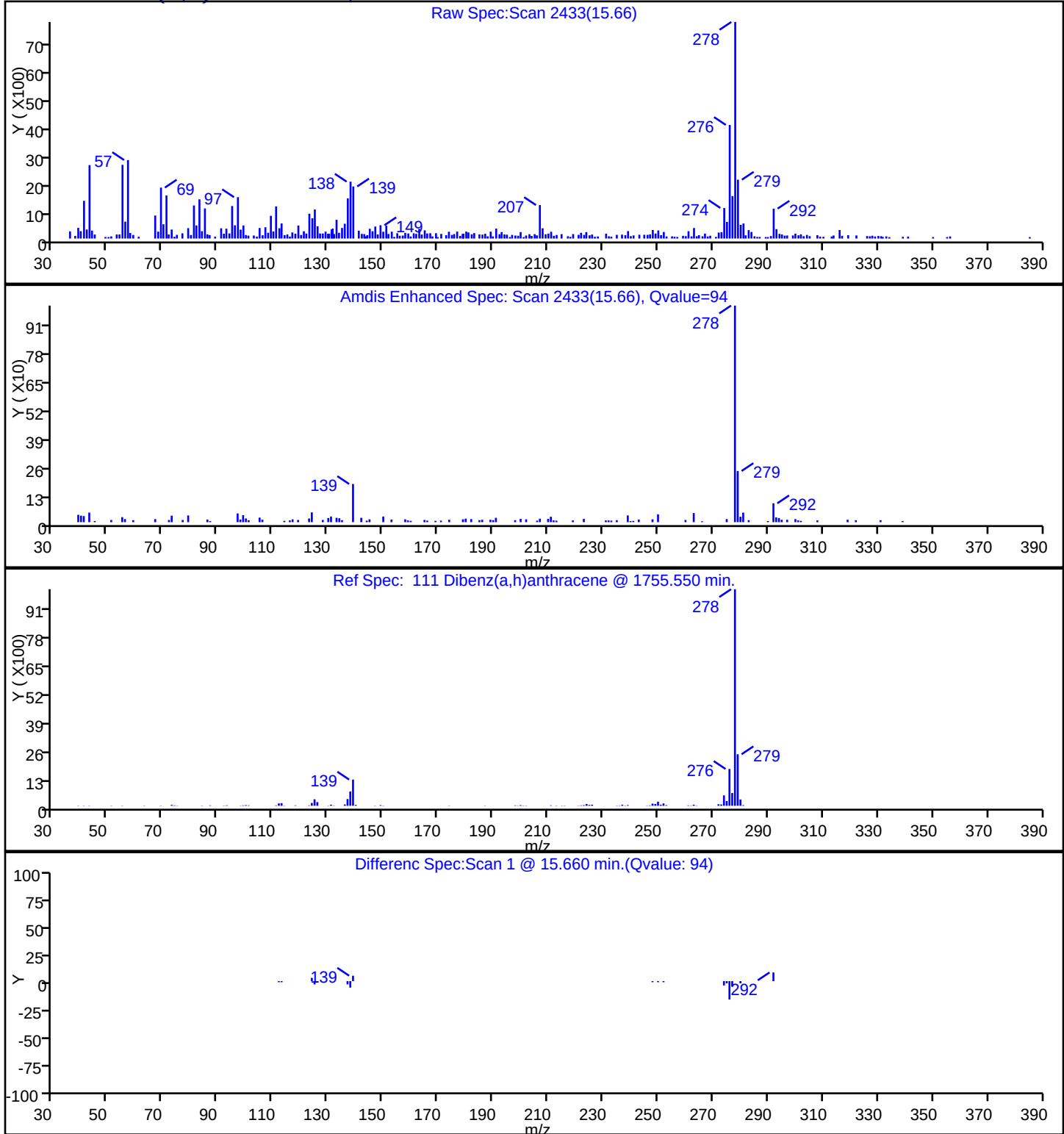
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

111 Dibenz(a,h)anthracene, CAS: 53-70-3

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35652.D

Injection Date: 22-Aug-2015 13:22:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-5-A

Lab Sample ID: 460-99997-5

Client ID: ES-5

Operator ID:

ALS Bottle#: 12

Worklist Smp#: 12

Injection Vol: 1.0 ul

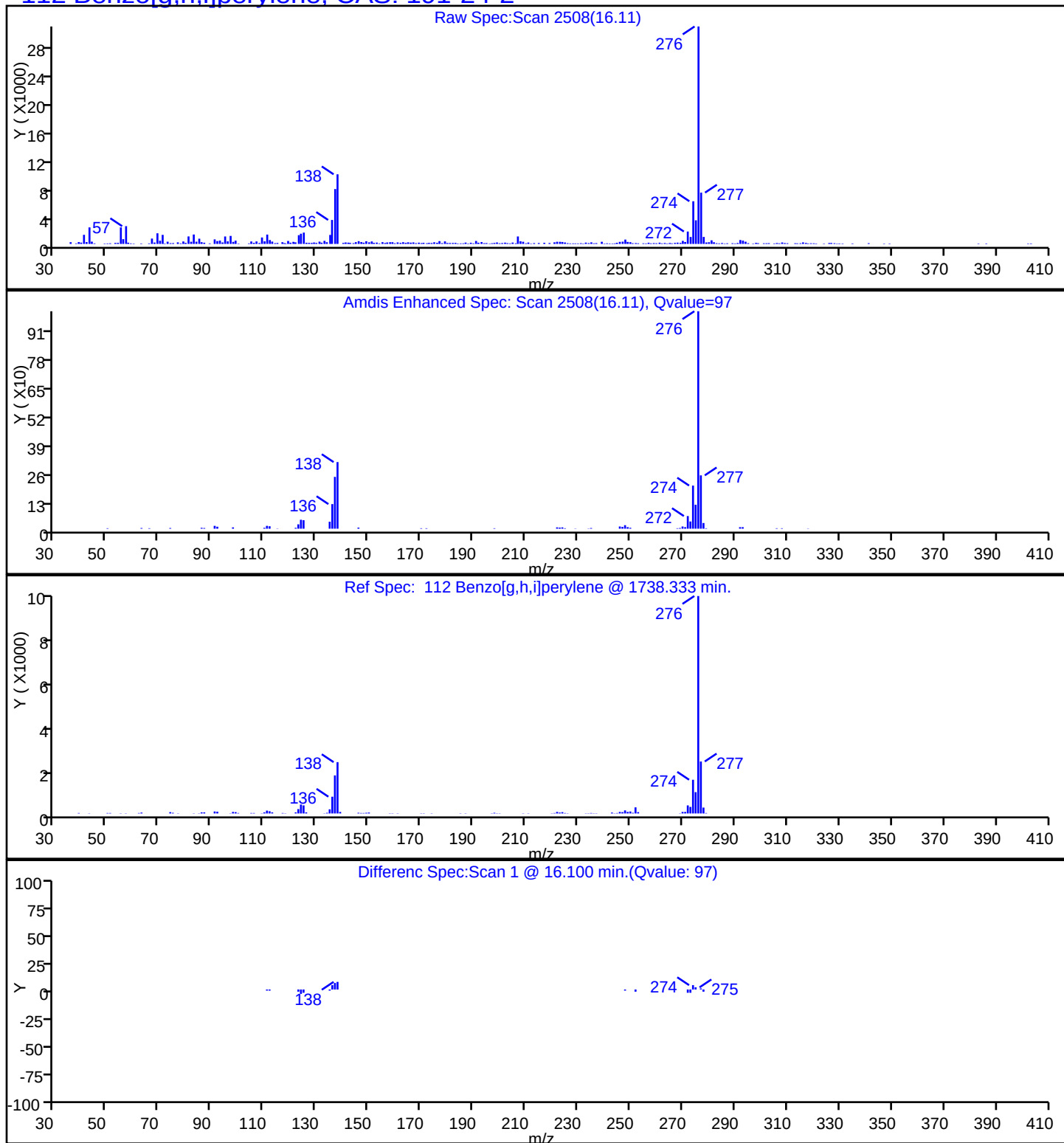
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

112 Benzo[g,h,i]perylene, CAS: 191-24-2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-6</u>	Lab Sample ID: <u>460-99997-6</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z35655.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>08/20/2015 10:10</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>08/21/2015 21:30</u>
Sample wt/vol: <u>15.0311(g)</u>	Date Analyzed: <u>08/22/2015 14:30</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>15.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318190</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.037	J	0.39	0.0099
91-57-6	2-Methylnaphthalene	0.020	J	0.39	0.0086
208-96-8	Acenaphthylene	0.010	U	0.39	0.010
83-32-9	Acenaphthene	0.15	J	0.39	0.0095
86-73-7	Fluorene	0.084	J	0.39	0.0085
85-01-8	Phenanthrene	1.4		0.39	0.010
120-12-7	Anthracene	0.38	J	0.39	0.037
206-44-0	Fluoranthene	2.3		0.39	0.012
129-00-0	Pyrene	2.0		0.39	0.018
56-55-3	Benzo[a]anthracene	0.94		0.039	0.033
218-01-9	Chrysene	1.0		0.39	0.011
205-99-2	Benzo[b]fluoranthene	1.0		0.039	0.015
207-08-9	Benzo[k]fluoranthene	0.40		0.039	0.017
50-32-8	Benzo[a]pyrene	0.73		0.039	0.012
193-39-5	Indeno[1,2,3-cd]pyrene	0.72		0.039	0.026
53-70-3	Dibenz(a,h)anthracene	0.18		0.039	0.020
191-24-2	Benzo[g,h,i]perylene	0.64		0.39	0.022

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	81		30-130
1718-51-0	Terphenyl-d14	99		30-130
321-60-8	2-Fluorobiphenyl	88		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35655.D
 Lims ID: 460-99997-E-6-A Lab Sample ID: 460-99997-6
 Client ID: ES-6
 Sample Type: Client
 Inject. Date: 22-Aug-2015 14:30:30 ALS Bottle#: 15 Worklist Smp#: 15
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031003-015
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Aug-2015 21:29:16 Calib Date: 19-Aug-2015 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35546.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: szczecha

Date: 24-Aug-2015 10:32:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.553	3.336	0.217	93	441196	36.2	
\$ 6 Phenol-d5	99	4.283	4.259	0.024	86	545951	38.1	
* 14 1,4-Dichlorobenzene-d4	152	4.642	4.612	0.030	96	379927	40.0	
22 Acetophenone	105	5.024	5.036	-0.012	95	3385	0.2366	
\$ 26 Nitrobenzene-d5	82	5.183	5.183	0.000	90	469037	40.5	
31 Isophorone	82	5.430	5.453	-0.023	98	31938	1.70	
* 38 Naphthalene-d8	136	5.900	5.894	0.006	99	1310690	40.0	
39 Naphthalene	128	5.924	5.930	-0.006	98	15265	0.4703	
44 2-Methylnaphthalene	142	6.612	6.618	-0.006	86	5412	0.2533	
\$ 51 2-Fluorobiphenyl	172	6.983	6.983	0.000	98	976016	44.2	
* 65 Acenaphthene-d10	164	7.659	7.659	0.000	92	598124	40.0	
67 Acenaphthene	154	7.689	7.700	-0.011	93	33951	1.90	
71 Dibenzofuran	168	7.859	7.871	-0.012	97	23838	1.02	
74 Fluorene	166	8.194	8.206	-0.012	95	19056	1.07	
\$ 80 2,4,6-Tribromophenol	330	8.441	8.447	-0.006	95	84110	45.3	
* 87 Phenanthrene-d10	188	9.130	9.129	0.001	99	700669	40.0	
88 Phenanthrene	178	9.153	9.165	-0.012	97	360739	17.9	
89 Anthracene	178	9.200	9.212	-0.012	98	98672	4.86	
90 Carbazole	167	9.353	9.365	-0.012	96	39903	2.42	
91 Di-n-butyl phthalate	149	9.688	9.694	-0.006	91	3110	0.1674	
92 Fluoranthene	202	10.335	10.341	-0.006	98	462431	29.8	
94 Pyrene	202	10.577	10.576	0.001	98	371526	25.4	
\$ 96 Terphenyl-d14	244	10.730	10.729	0.001	99	440471	49.6	
97 Butyl benzyl phthalate	149	11.265	11.271	-0.006	96	24371	4.80	
101 Benzo[a]anthracene	228	11.971	11.976	-0.005	99	104981	11.9	
* 102 Chrysene-d12	240	11.982	11.982	0.000	99	295416	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.988	11.994	-0.006	89	34939	5.28	
103 Chrysene	228	12.018	12.023	-0.005	99	100934	12.8	
106 Benzo[b]fluoranthene	252	13.441	13.447	-0.006	98	97026	12.8	
107 Benzo[k]fluoranthene	252	13.476	13.482	-0.006	40	38338	5.05	
108 Benzo[a]pyrene	252	13.900	13.906	-0.006	96	61998	9.24	
* 109 Perylene-d12	264	13.982	13.982	0.000	97	251835	40.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
110 Indeno[1,2,3-cd]pyrene	276	15.635	15.647	-0.012	98	46563	9.09	
111 Dibenzo(a,h)anthracene	278	15.664	15.676	-0.012	93	11758	2.26	
112 Benzo[g,h,i]perylene	276	16.106	16.117	-0.011	97	45243	8.14	

Reagents:

SM_ISTD_00091

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35655.D

Injection Date: 22-Aug-2015 14:30:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: 460-99997-E-6-A

Lab Sample ID: 460-99997-6

Worklist Smp#: 15

Client ID: ES-6

Injection Vol: 1.0 ul

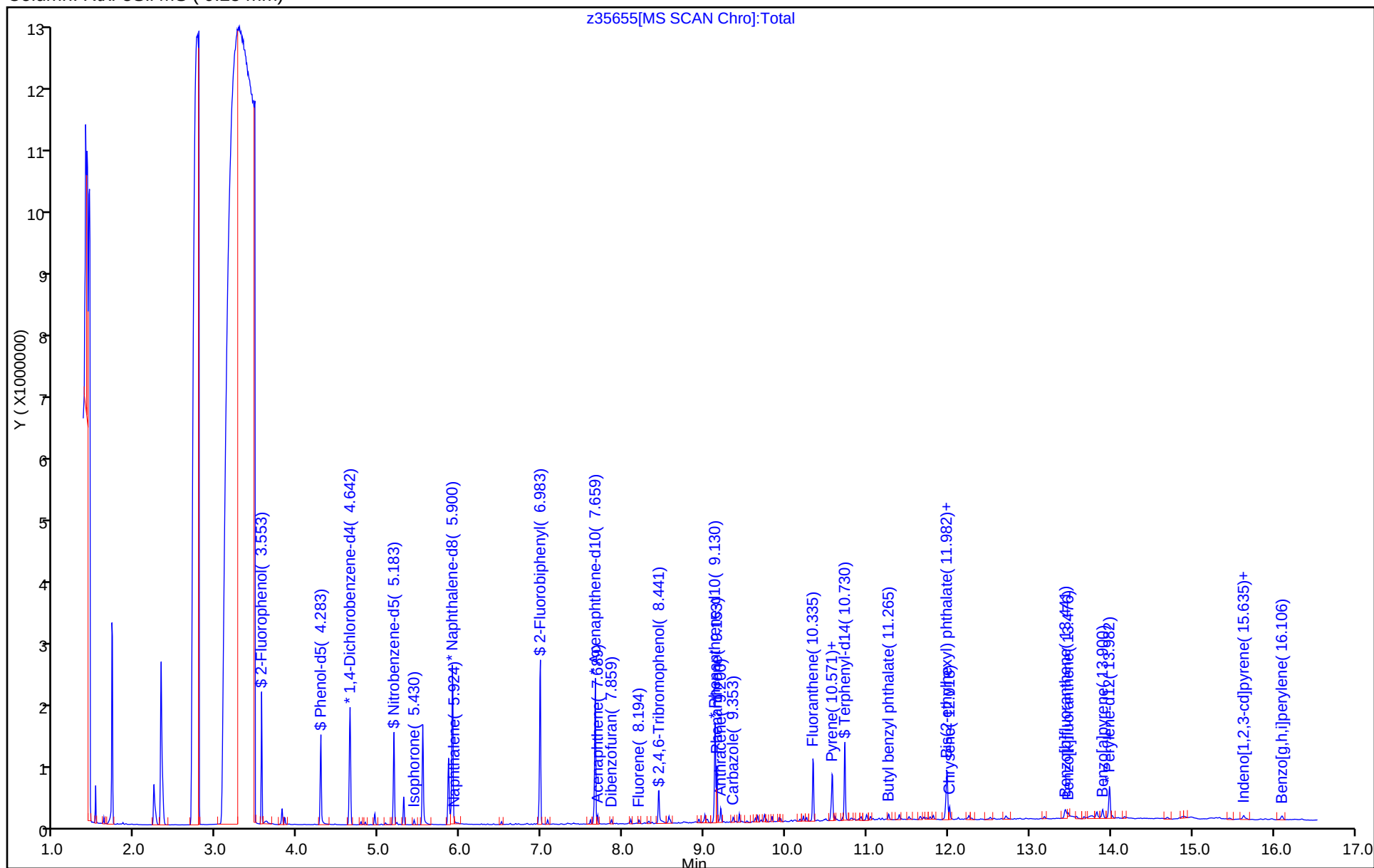
Dil. Factor: 1.0000

ALS Bottle#: 15

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35655.D

Injection Date: 22-Aug-2015 14:30:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-6-A

Lab Sample ID: 460-99997-6

Client ID: ES-6

Operator ID:

ALS Bottle#: 15 Worklist Smp#: 15

Injection Vol: 1.0 ul

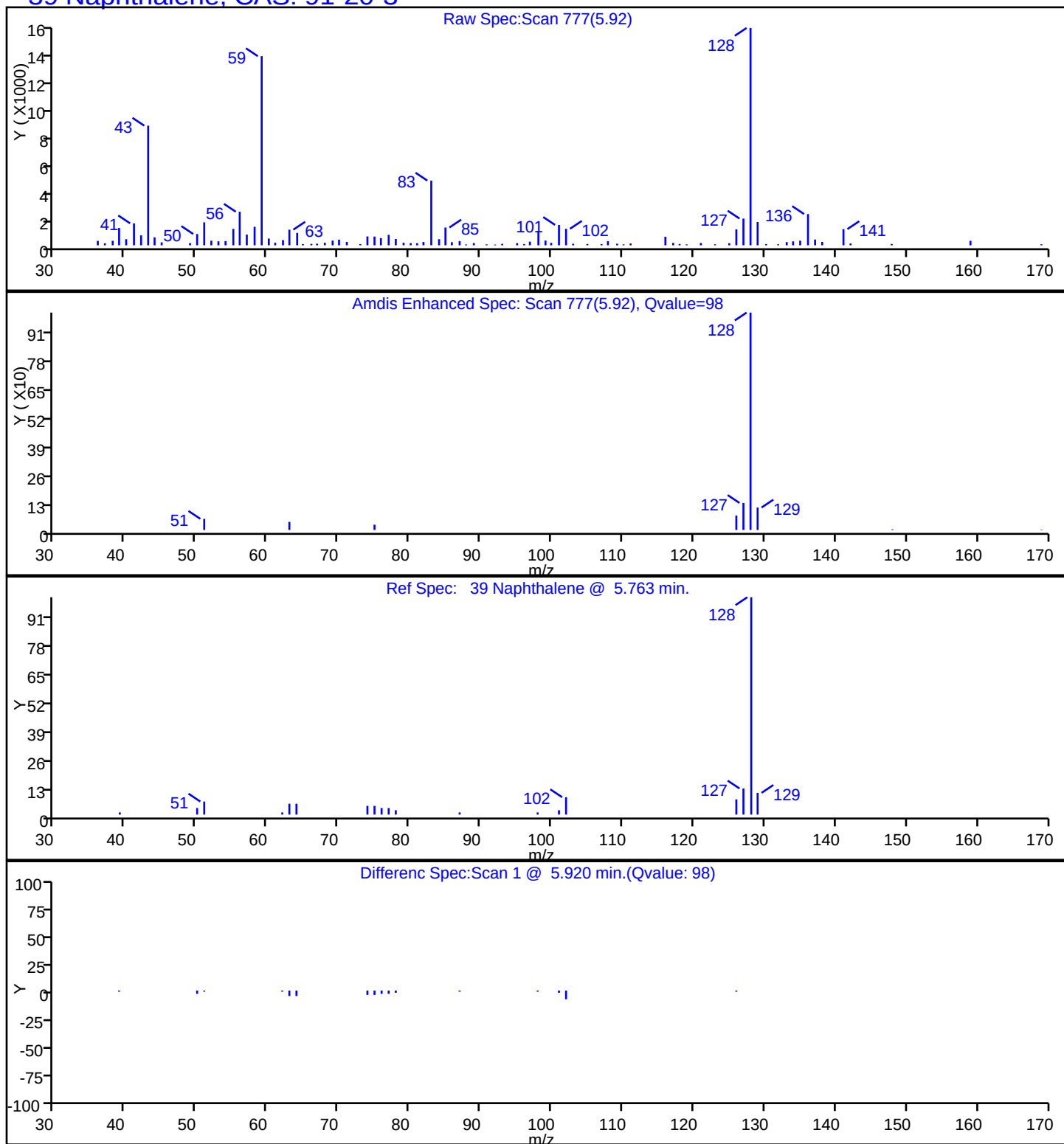
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

39 Naphthalene, CAS: 91-20-3

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35655.D

Injection Date: 22-Aug-2015 14:30:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-6-A

Lab Sample ID: 460-99997-6

Client ID: ES-6

Operator ID:

ALS Bottle#: 15

Worklist Smp#: 15

Injection Vol: 1.0 ul

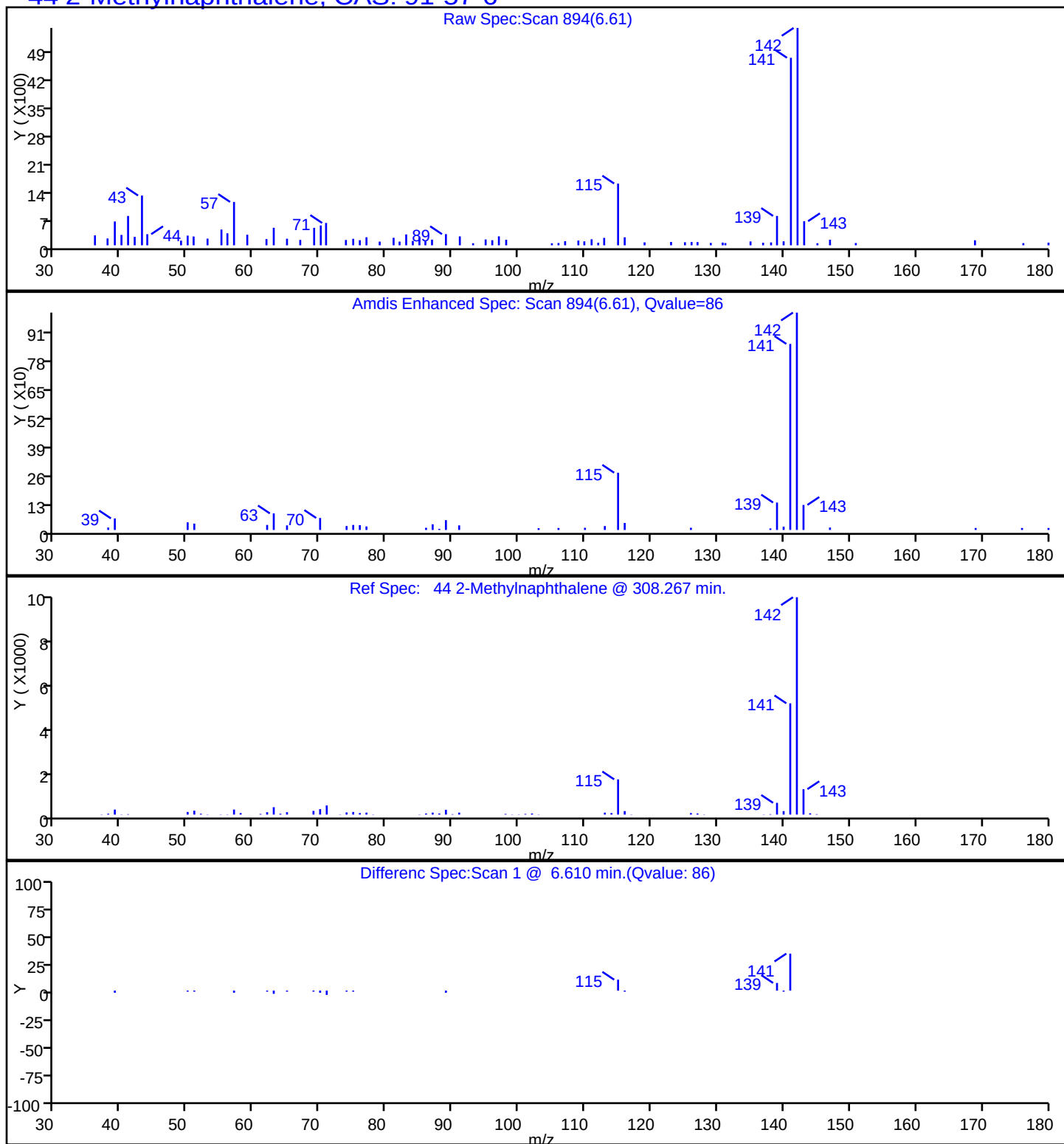
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

44 2-Methylnaphthalene, CAS: 91-57-6

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35655.D

Injection Date: 22-Aug-2015 14:30:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-6-A

Lab Sample ID: 460-99997-6

Client ID: ES-6

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

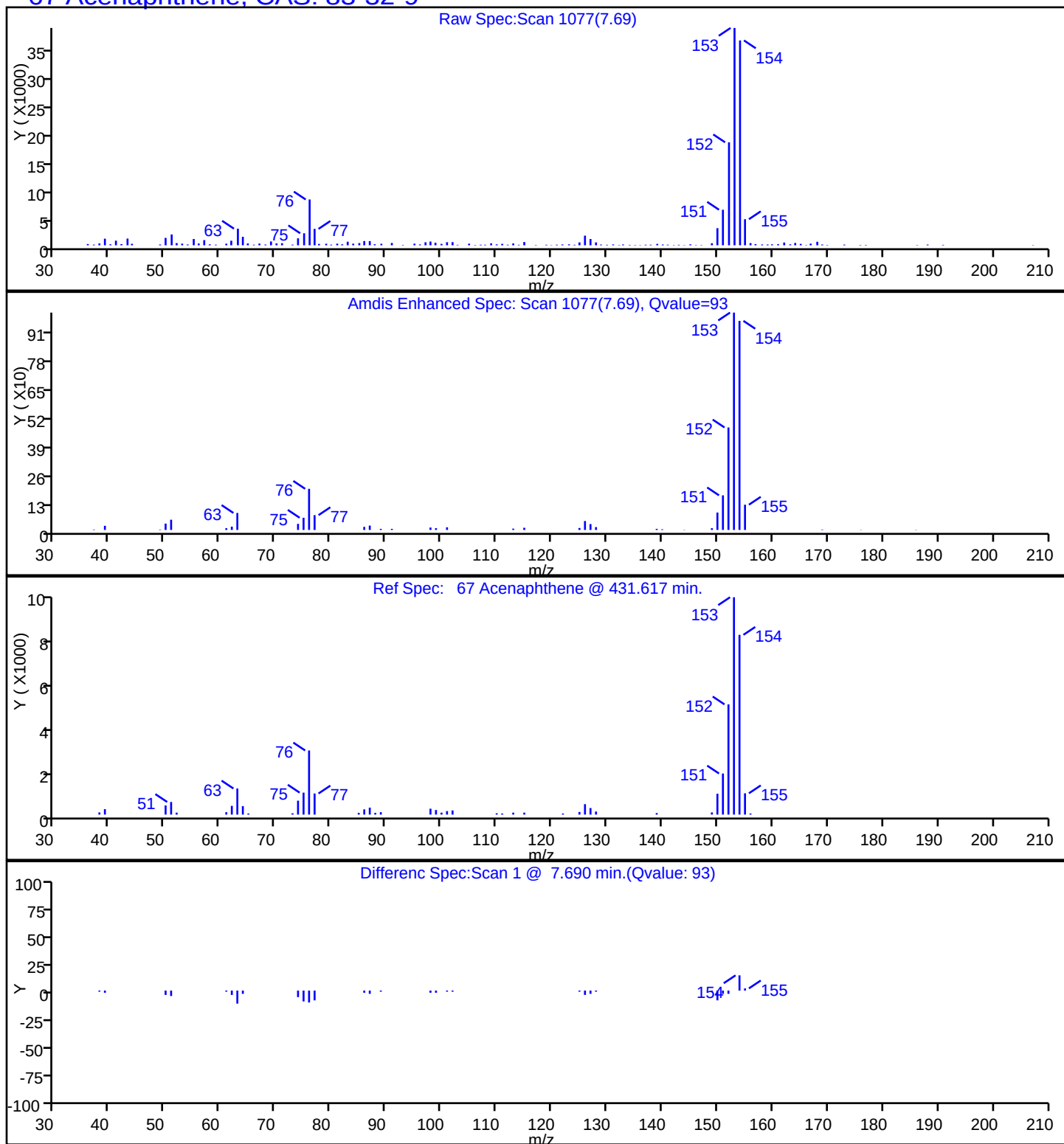
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

67 Acenaphthene, CAS: 83-32-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35655.D

Injection Date: 22-Aug-2015 14:30:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-6-A

Lab Sample ID: 460-99997-6

Client ID: ES-6

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

Limit Group:

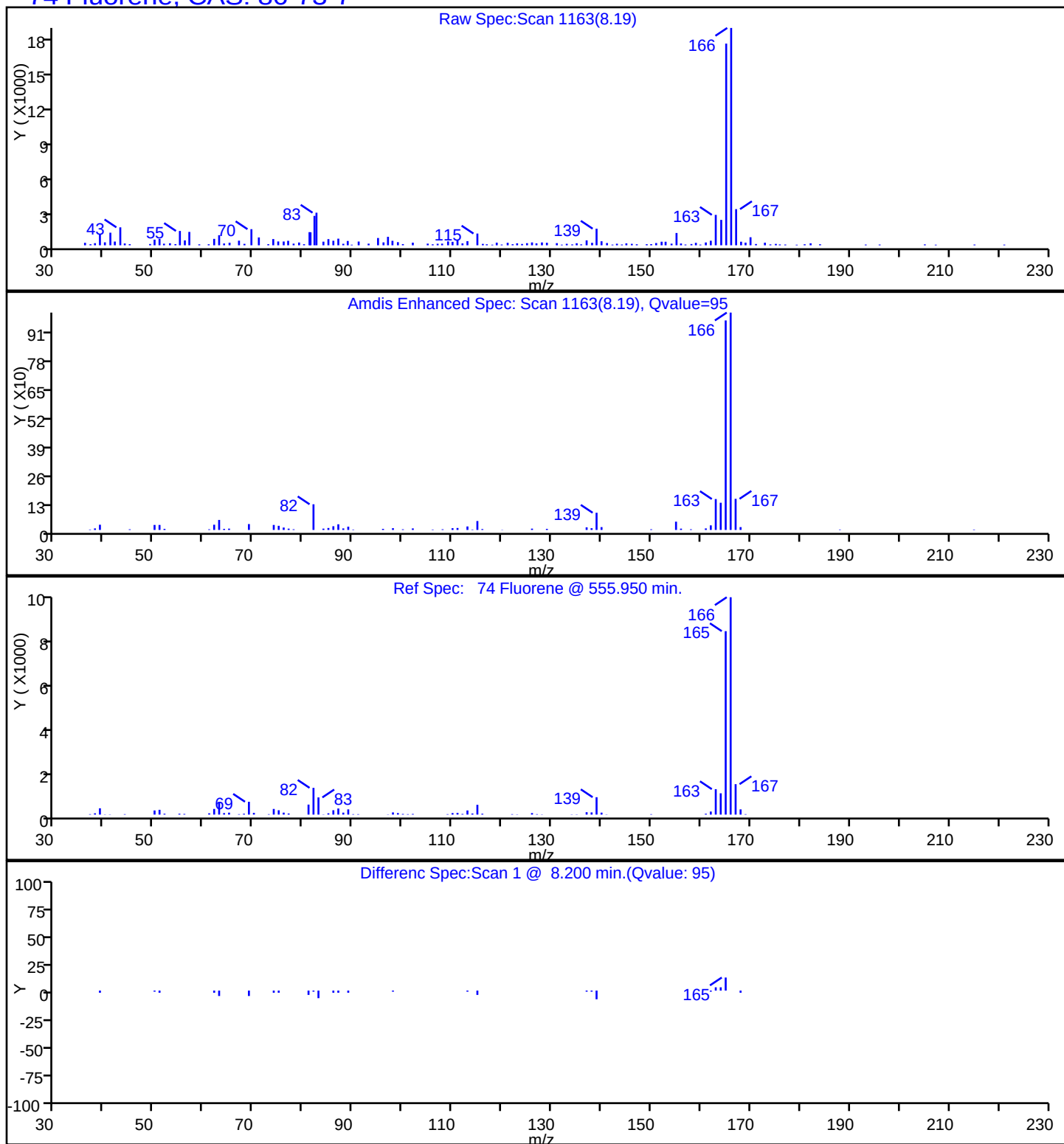
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

74 Fluorene, CAS: 86-73-7



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35655.D

Injection Date: 22-Aug-2015 14:30:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-6-A

Lab Sample ID: 460-99997-6

Client ID: ES-6

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

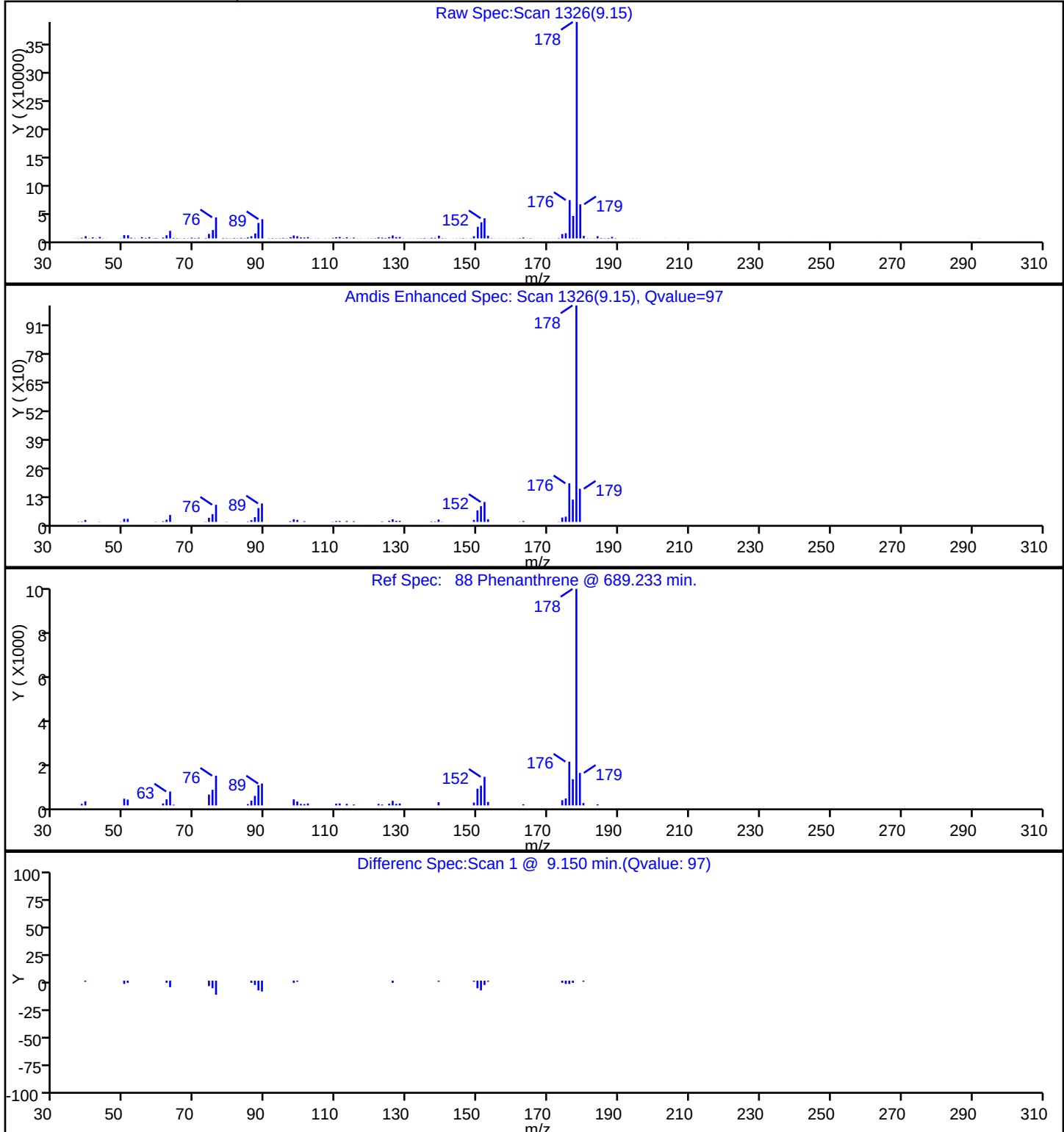
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

88 Phenanthrene, CAS: 85-01-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35655.D

Injection Date: 22-Aug-2015 14:30:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-6-A

Lab Sample ID: 460-99997-6

Client ID: ES-6

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

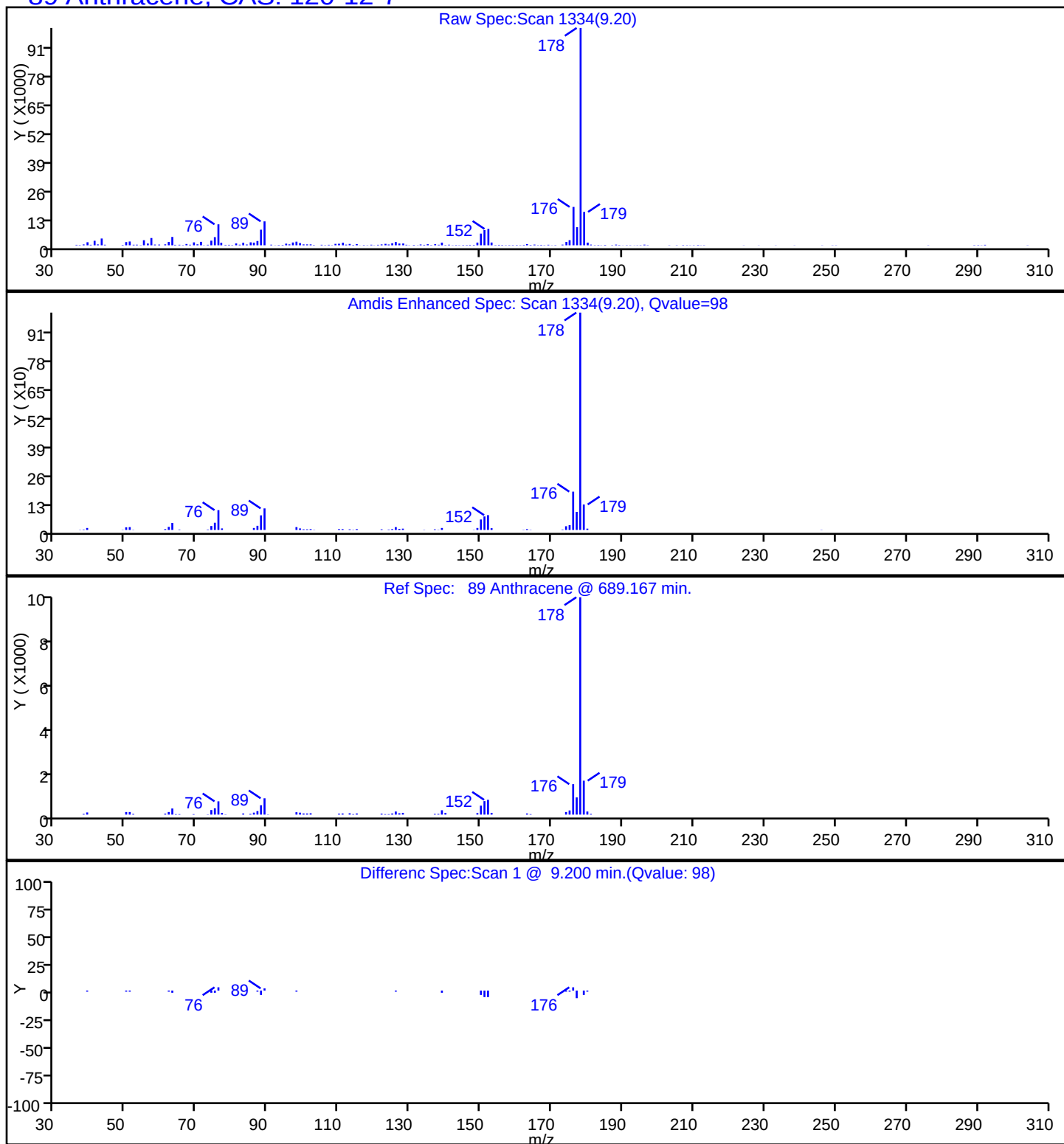
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

89 Anthracene, CAS: 120-12-7

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35655.D

Injection Date: 22-Aug-2015 14:30:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-6-A

Lab Sample ID: 460-99997-6

Client ID: ES-6

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

Limit Group:

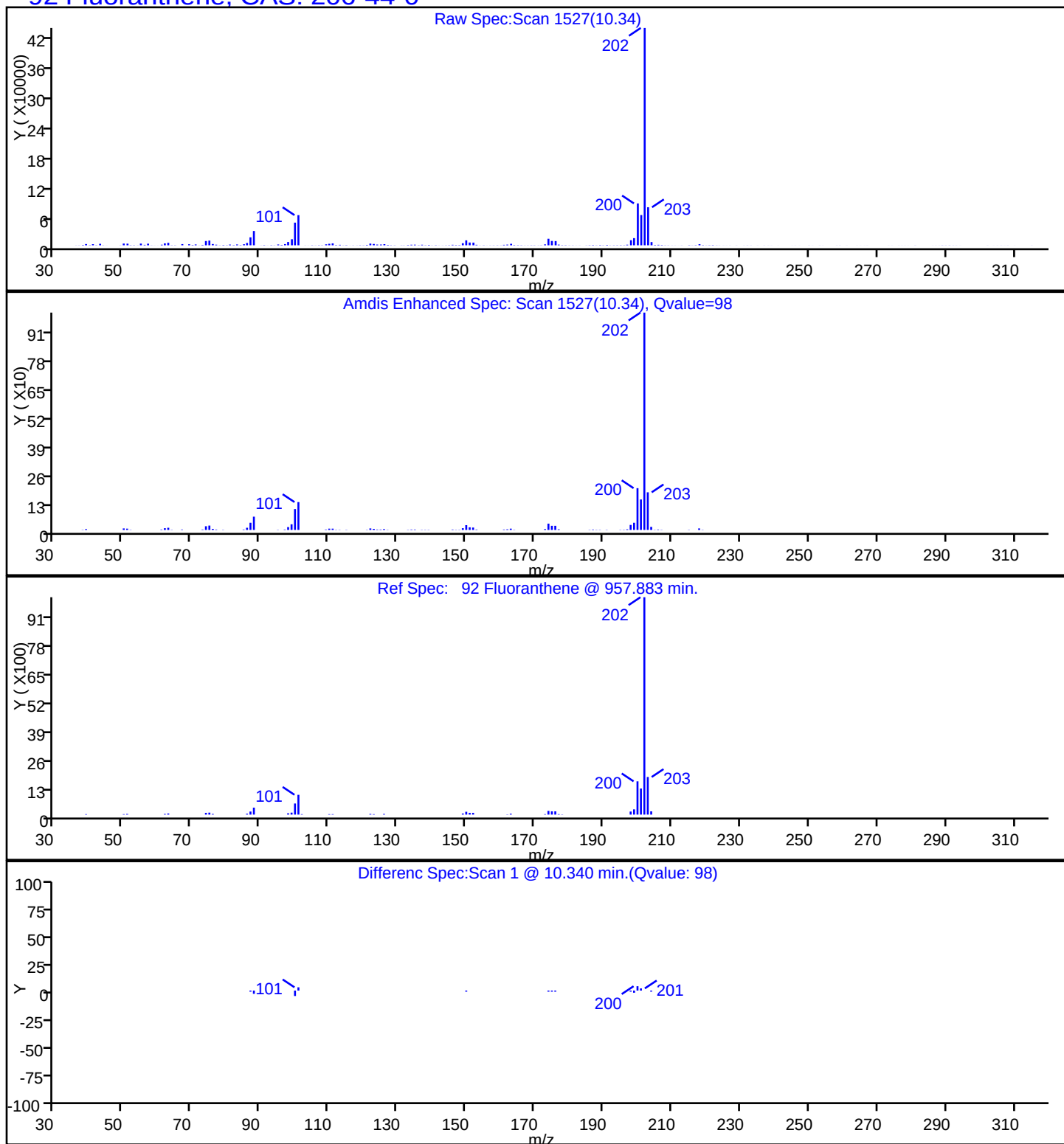
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

92 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35655.D

Injection Date: 22-Aug-2015 14:30:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-6-A

Lab Sample ID: 460-99997-6

Client ID: ES-6

Operator ID:

ALS Bottle#: 15 Worklist Smp#: 15

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

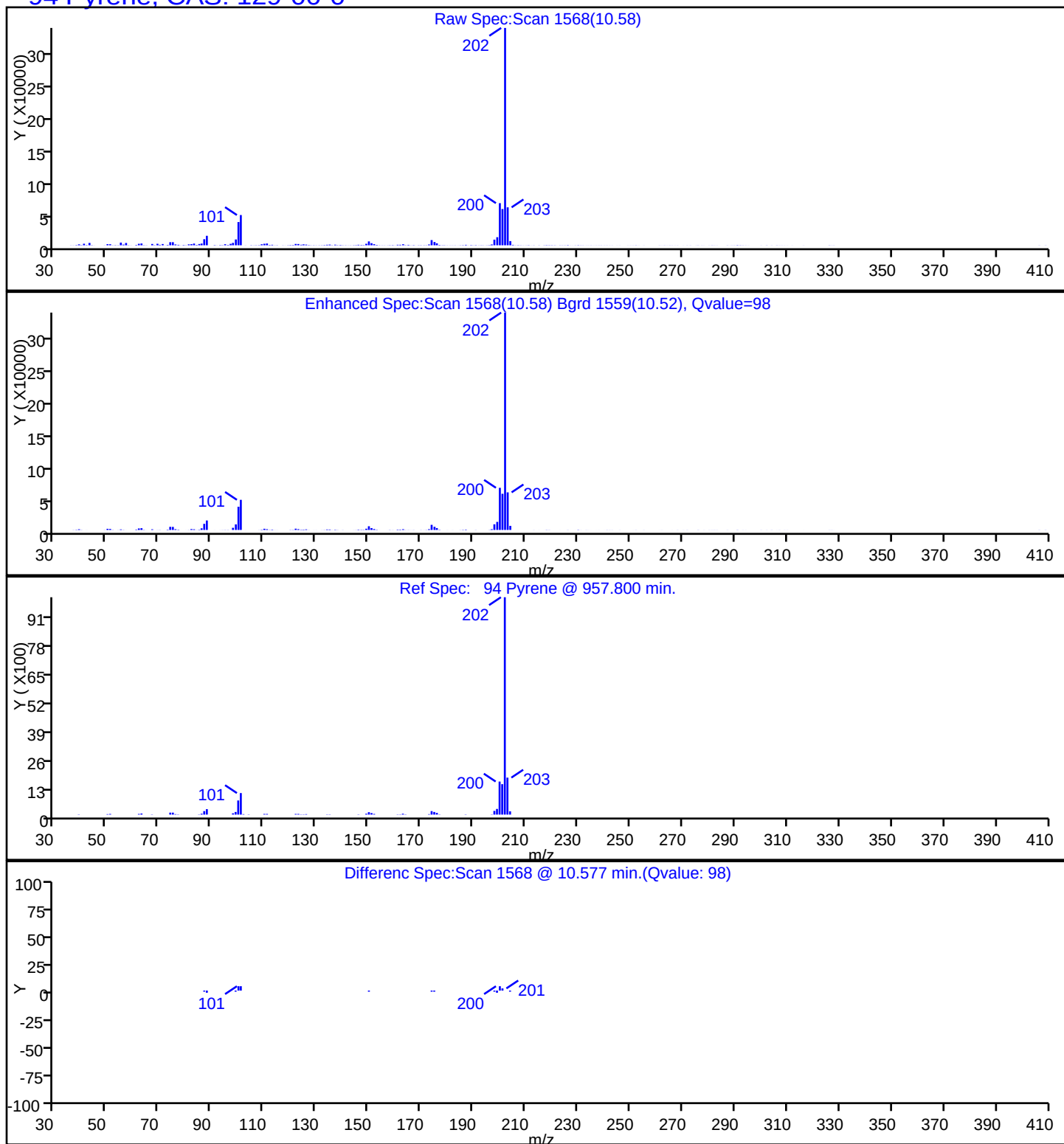
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

94 Pyrene, CAS: 129-00-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35655.D

Injection Date: 22-Aug-2015 14:30:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-6-A

Lab Sample ID: 460-99997-6

Client ID: ES-6

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

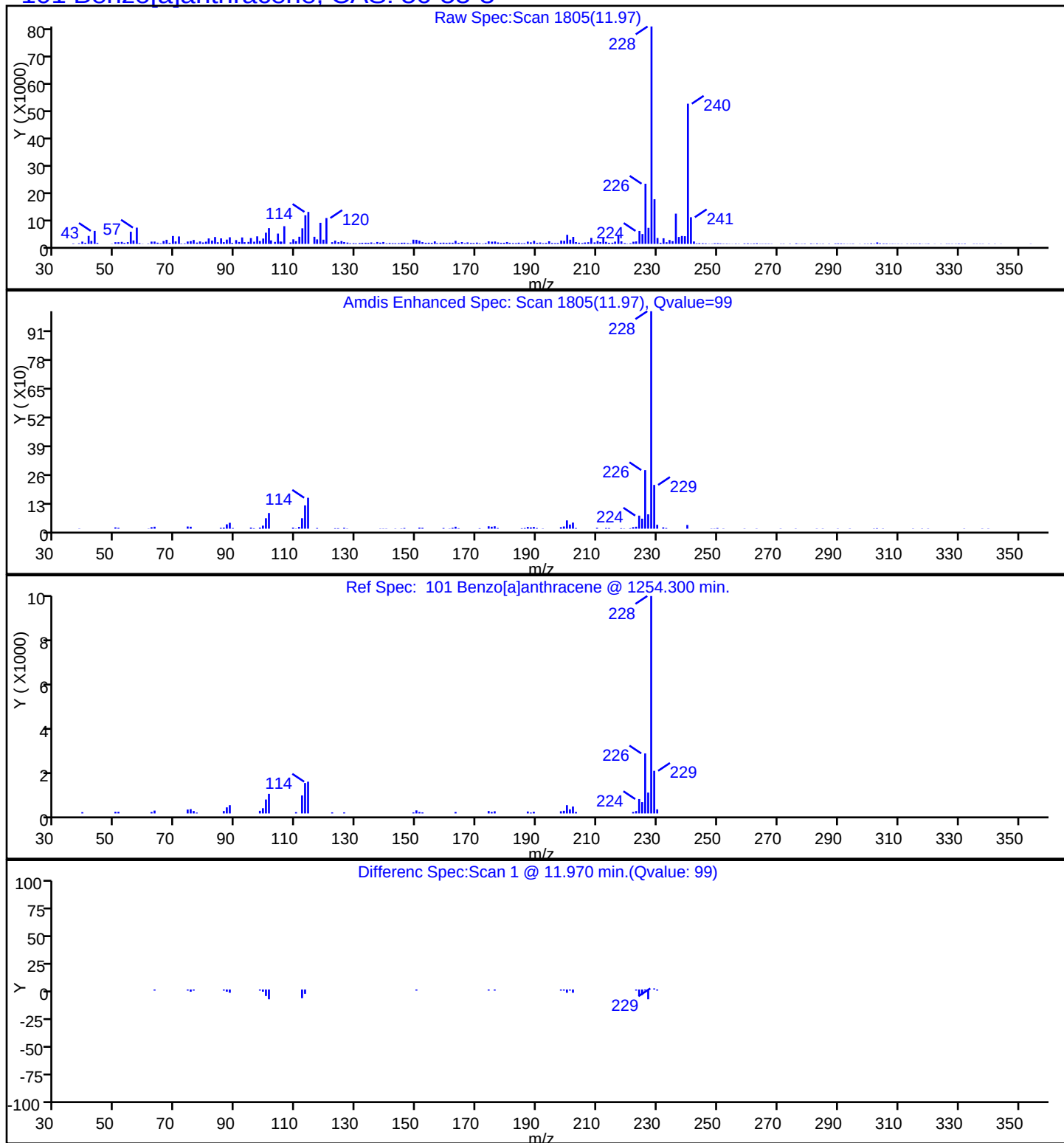
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

101 Benzo[a]anthracene, CAS: 56-55-3

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35655.D

Injection Date: 22-Aug-2015 14:30:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-6-A

Lab Sample ID: 460-99997-6

Client ID: ES-6

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

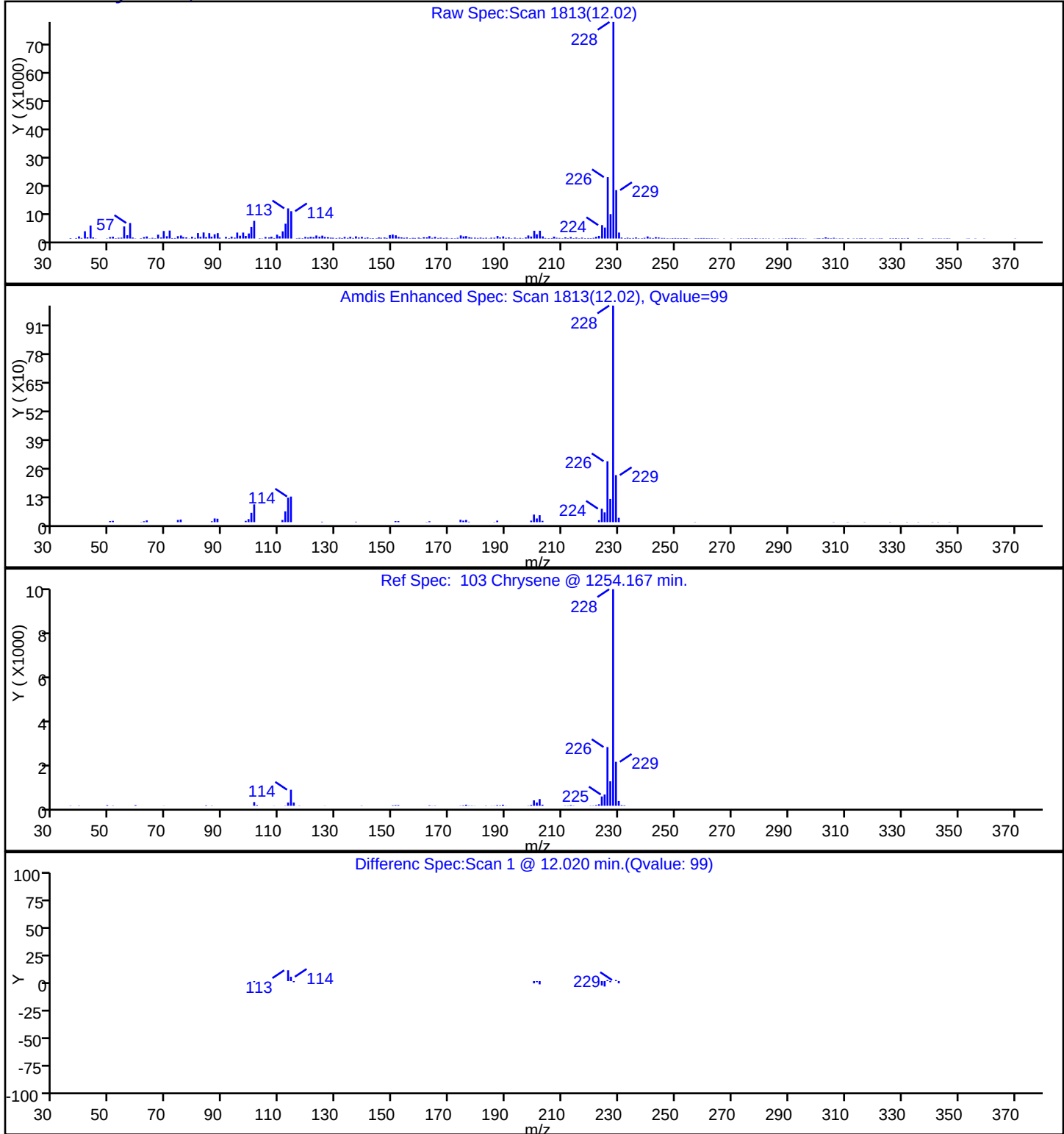
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

103 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35655.D

Injection Date: 22-Aug-2015 14:30:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-6-A

Lab Sample ID: 460-99997-6

Client ID: ES-6

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

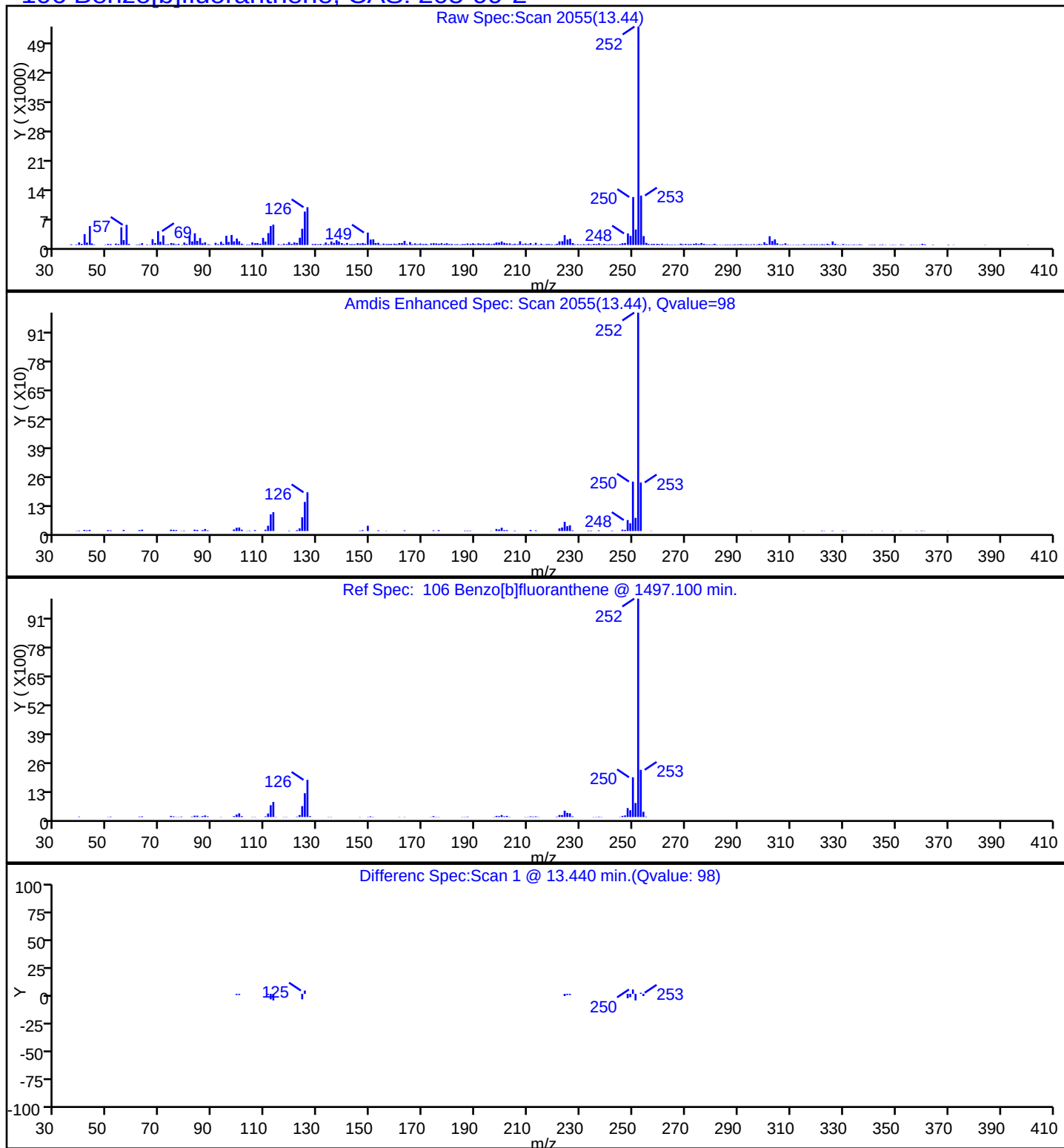
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

106 Benzo[b]fluoranthene, CAS: 205-99-2

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35655.D

Injection Date: 22-Aug-2015 14:30:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-6-A

Lab Sample ID: 460-99997-6

Client ID: ES-6

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

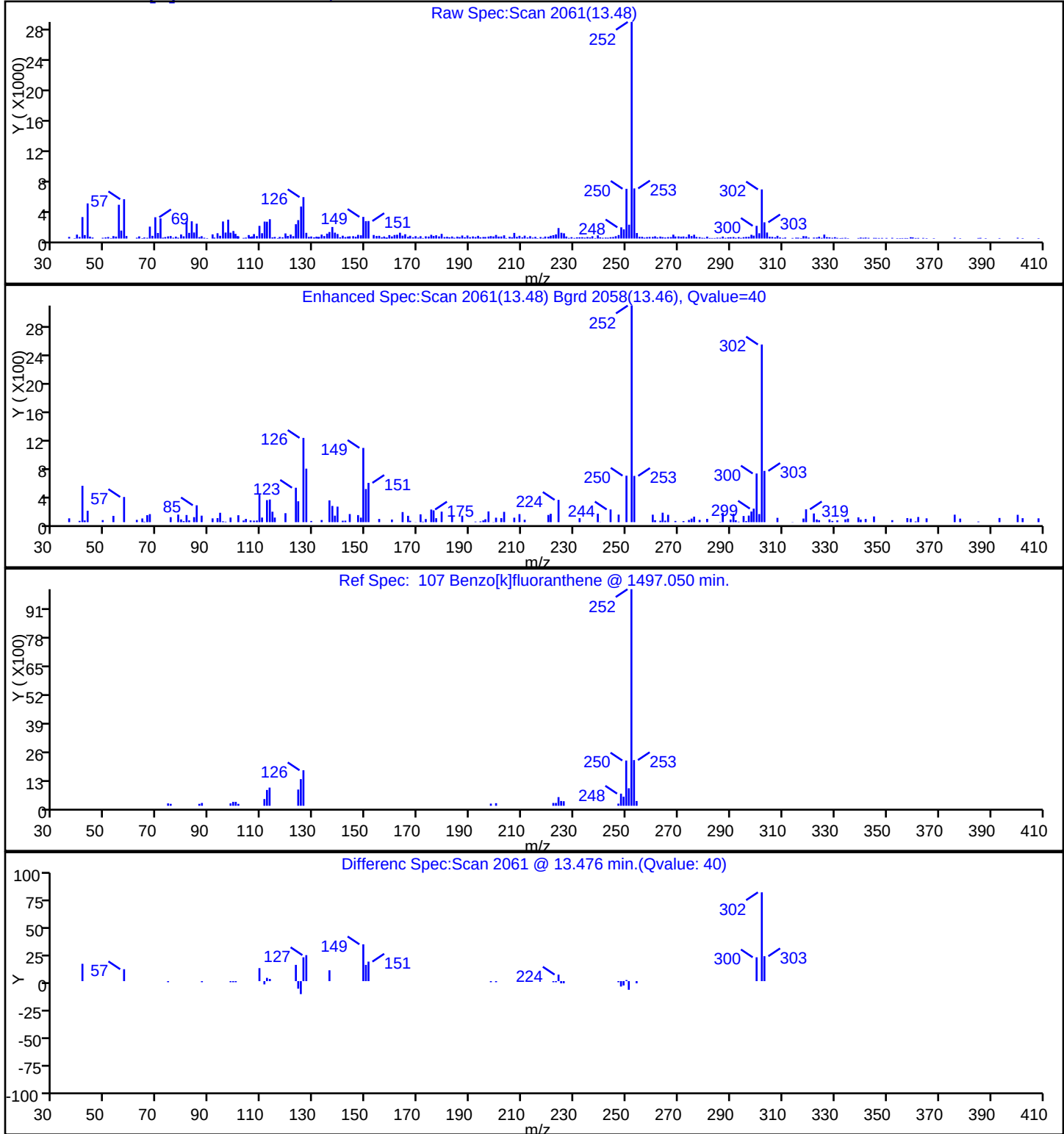
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

107 Benzo[k]fluoranthene, CAS: 207-08-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35655.D

Injection Date: 22-Aug-2015 14:30:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-6-A

Lab Sample ID: 460-99997-6

Client ID: ES-6

Operator ID:

ALS Bottle#: 15

Worklist Smp#: 15

Injection Vol: 1.0 ul

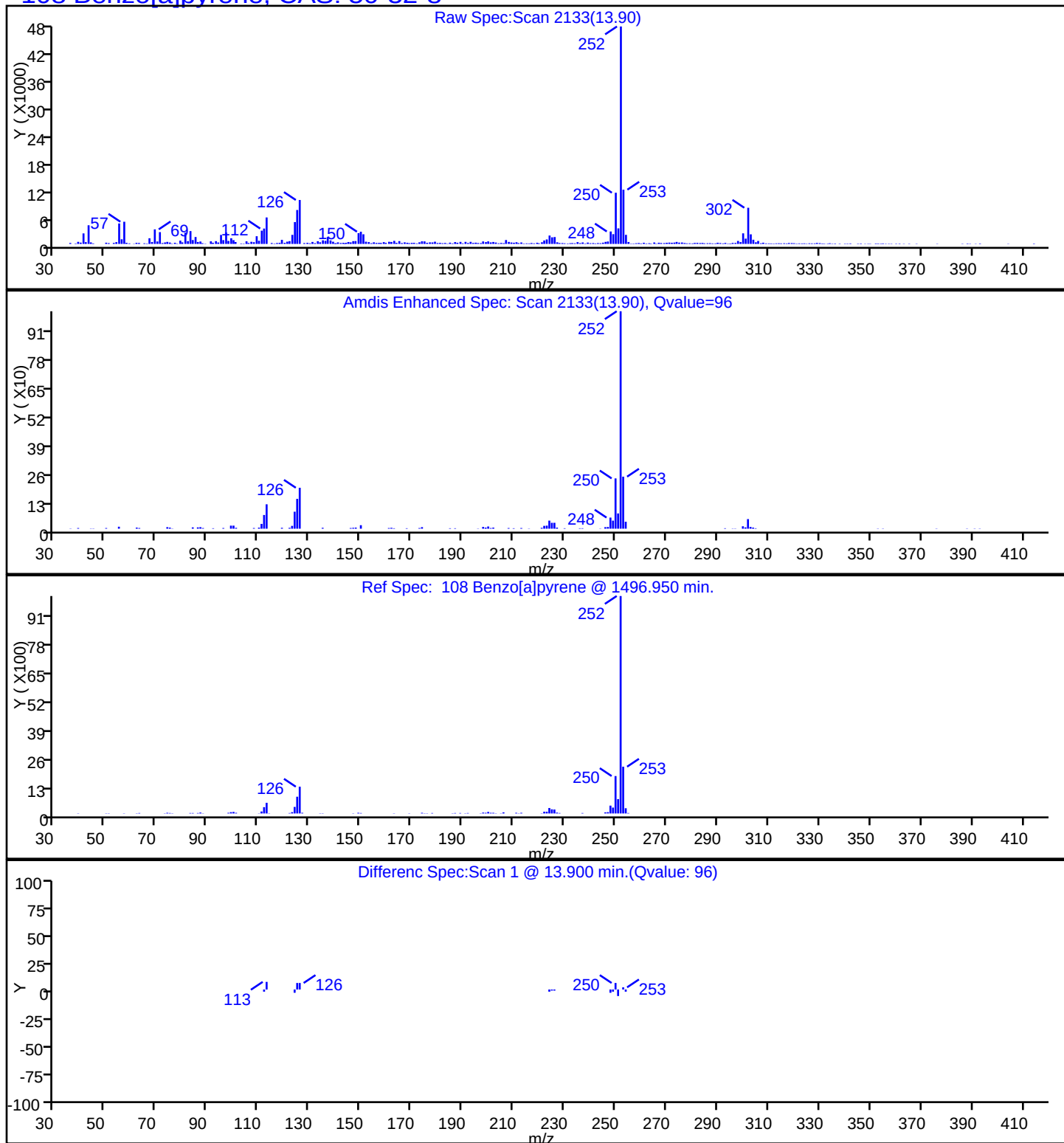
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

108 Benzo[a]pyrene, CAS: 50-32-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35655.D

Injection Date: 22-Aug-2015 14:30:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-6-A

Lab Sample ID: 460-99997-6

Client ID: ES-6

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

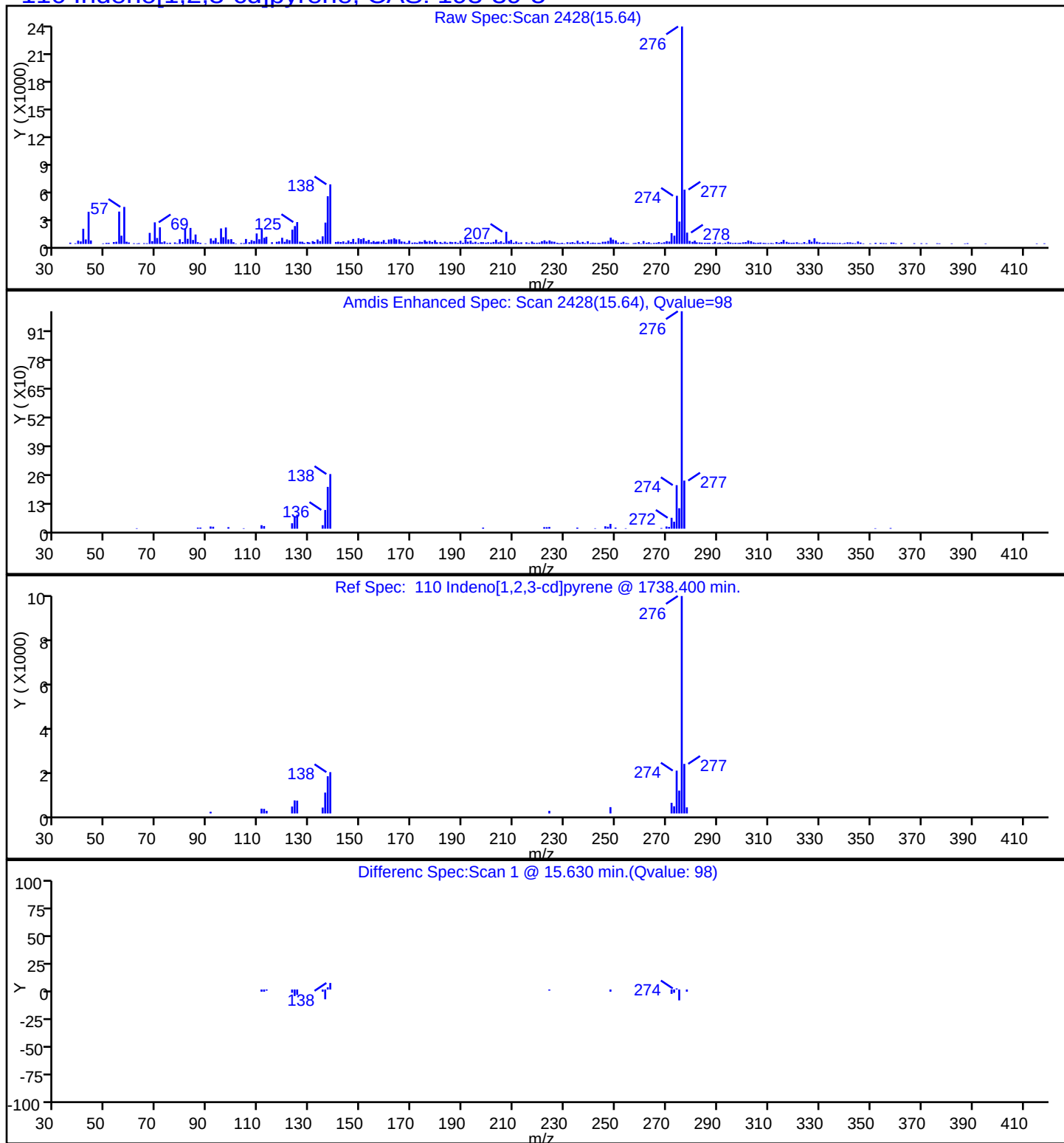
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35655.D

Injection Date: 22-Aug-2015 14:30:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-6-A

Lab Sample ID: 460-99997-6

Client ID: ES-6

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

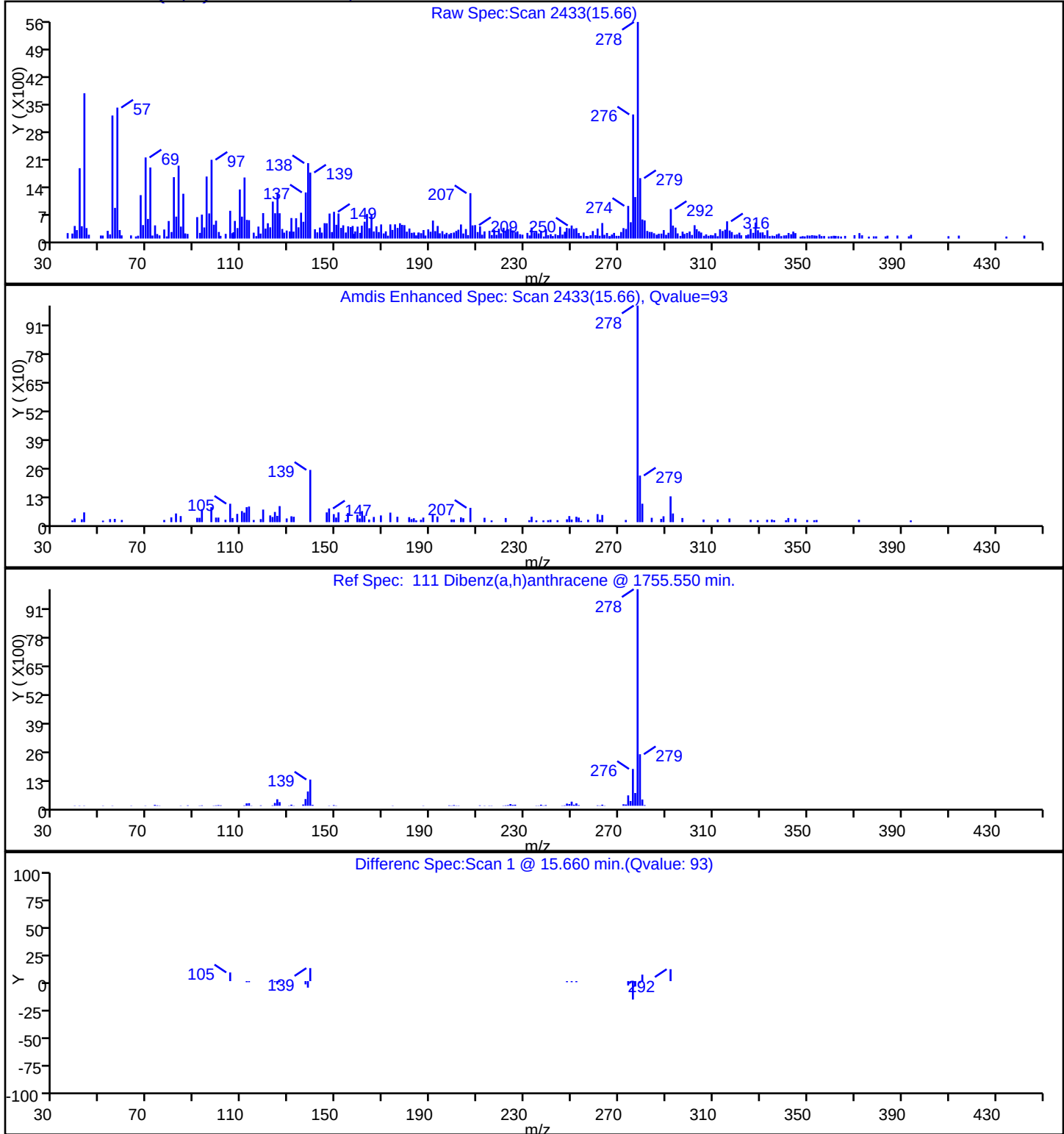
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

111 Dibenz(a,h)anthracene, CAS: 53-70-3

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35655.D

Injection Date: 22-Aug-2015 14:30:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-6-A

Lab Sample ID: 460-99997-6

Client ID: ES-6

Operator ID:

ALS Bottle#:

15

Worklist Smp#:

15

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

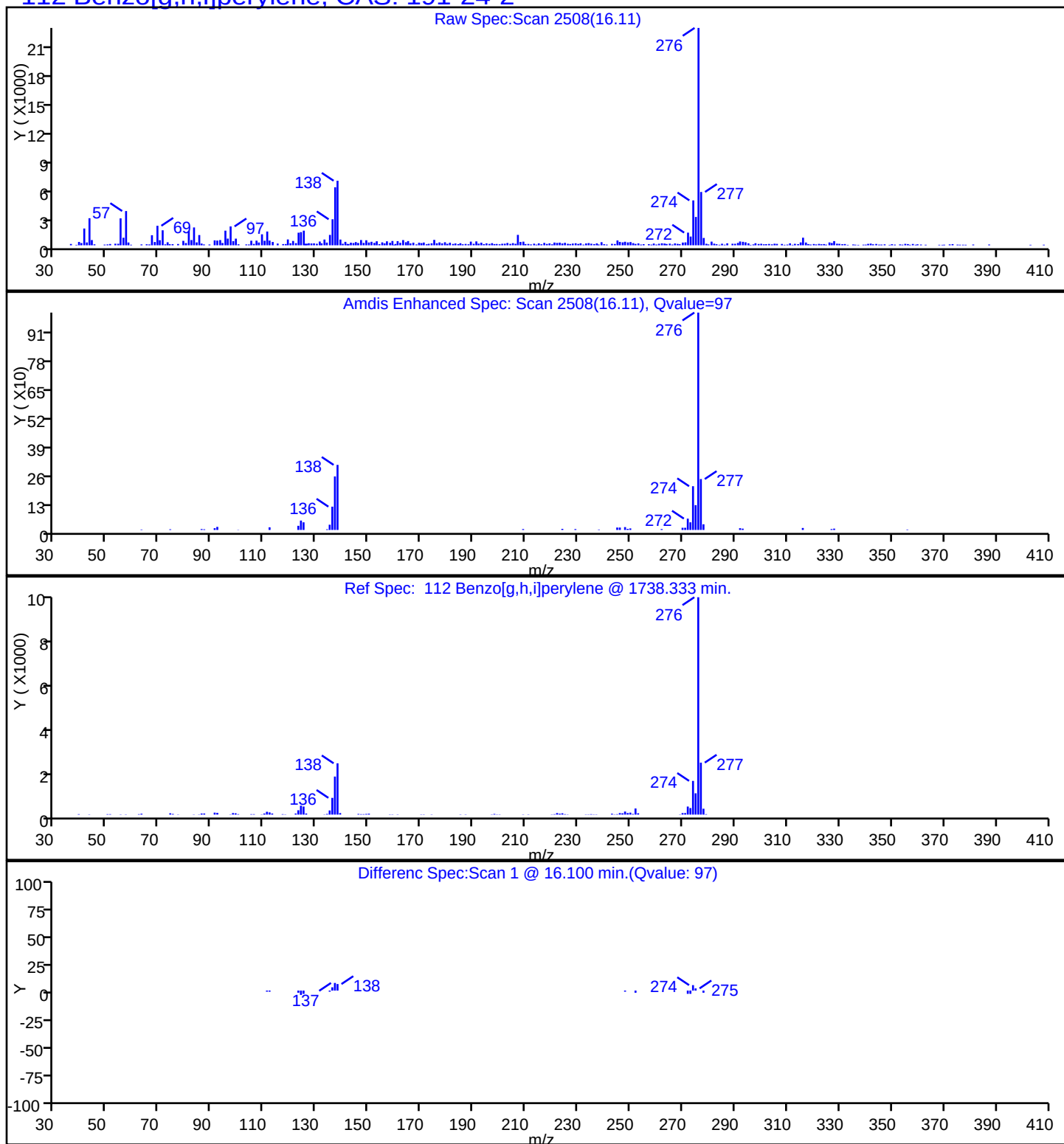
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

112 Benzo[g,h,i]perylene, CAS: 191-24-2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-7</u>	Lab Sample ID: <u>460-99997-7</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z35661.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>08/20/2015 10:35</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>08/21/2015 21:30</u>
Sample wt/vol: <u>15.0217(g)</u>	Date Analyzed: <u>08/22/2015 16:48</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>14.9</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318190</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.12	J	0.39	0.0099
91-57-6	2-Methylnaphthalene	0.078	J	0.39	0.0086
208-96-8	Acenaphthylene	0.011	J	0.39	0.010
83-32-9	Acenaphthene	0.39		0.39	0.0094
86-73-7	Fluorene	0.32	J	0.39	0.0085
85-01-8	Phenanthrene	3.7		0.39	0.010
120-12-7	Anthracene	0.88		0.39	0.037
206-44-0	Fluoranthene	4.2		0.39	0.012
129-00-0	Pyrene	3.1		0.39	0.018
56-55-3	Benzo[a]anthracene	1.6		0.039	0.032
218-01-9	Chrysene	1.6		0.39	0.011
205-99-2	Benzo[b]fluoranthene	1.7		0.039	0.015
207-08-9	Benzo[k]fluoranthene	0.77		0.039	0.017
50-32-8	Benzo[a]pyrene	1.4		0.039	0.012
193-39-5	Indeno[1,2,3-cd]pyrene	1.4		0.039	0.026
53-70-3	Dibenz(a,h)anthracene	0.34		0.039	0.020
191-24-2	Benzo[g,h,i]perylene	1.1		0.39	0.022

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	82		30-130
1718-51-0	Terphenyl-d14	89		30-130
321-60-8	2-Fluorobiphenyl	90		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35661.D
 Lims ID: 460-99997-E-7-A Lab Sample ID: 460-99997-7
 Client ID: ES-7
 Sample Type: Client
 Inject. Date: 22-Aug-2015 16:48:30 ALS Bottle#: 21 Worklist Smp#: 21
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031003-021
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Aug-2015 10:57:56 Calib Date: 19-Aug-2015 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35546.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: szczecha

Date: 24-Aug-2015 11:01:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.589	3.336	0.253	94	436161	35.5	
\$ 6 Phenol-d5	99	4.294	4.259	0.035	86	534192	37.0	
* 14 1,4-Dichlorobenzene-d4	152	4.647	4.612	0.035	95	383126	40.0	
22 Acetophenone	105	5.030	5.036	-0.006	93	2386	0.1654	
\$ 26 Nitrobenzene-d5	82	5.183	5.183	0.000	91	468465	40.8	
31 Isophorone	82	5.430	5.453	-0.023	97	2754	0.1477	
* 38 Naphthalene-d8	136	5.900	5.894	0.006	99	1298483	40.0	
39 Naphthalene	128	5.924	5.930	-0.006	99	49325	1.53	
44 2-Methylnaphthalene	142	6.612	6.618	-0.006	87	21101	1.00	
\$ 51 2-Fluorobiphenyl	172	6.982	6.983	-0.001	98	956679	45.0	
63 Acenaphthylene	152	7.518	7.524	-0.006	98	3778	0.1420	
* 65 Acenaphthene-d10	164	7.659	7.659	0.000	93	575542	40.0	
67 Acenaphthene	154	7.688	7.700	-0.012	94	85978	4.99	
71 Dibenzofuran	168	7.859	7.871	-0.012	96	65903	2.94	
74 Fluorene	166	8.200	8.206	-0.006	96	69587	4.05	
\$ 80 2,4,6-Tribromophenol	330	8.441	8.447	-0.006	95	82867	46.3	
* 87 Phenanthrene-d10	188	9.135	9.129	0.006	98	661991	40.0	
88 Phenanthrene	178	9.159	9.165	-0.006	97	907577	47.6	
89 Anthracene	178	9.206	9.212	-0.006	98	215248	11.2	
90 Carbazole	167	9.359	9.365	-0.006	95	76234	4.90	
91 Di-n-butyl phthalate	149	9.688	9.694	-0.006	96	2900	0.1653	
92 Fluoranthene	202	10.341	10.341	0.000	98	793794	54.1	
94 Pyrene	202	10.576	10.576	0.000	98	603847	39.4	
\$ 96 Terphenyl-d14	244	10.729	10.729	0.000	99	414070	44.4	
97 Butyl benzyl phthalate	149	11.265	11.271	-0.006	95	9258	1.74	
101 Benzo[a]anthracene	228	11.970	11.976	-0.006	99	192013	20.7	
* 102 Chrysene-d12	240	11.988	11.982	0.006	99	310255	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.994	11.994	0.000	88	24448	3.52	
103 Chrysene	228	12.017	12.023	-0.006	99	174321	21.0	
106 Benzo[b]fluoranthene	252	13.441	13.447	-0.006	99	193242	22.0	
107 Benzo[k]fluoranthene	252	13.476	13.482	-0.006	99	86288	9.83	
108 Benzo[a]pyrene	252	13.900	13.906	-0.006	97	139168	17.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 109 Perylene-d12	264	13.988	13.982	0.006	97	291395	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.641	15.647	-0.006	98	102317	17.3	
111 Dibenz(a,h)anthracene	278	15.670	15.676	-0.006	93	25904	4.31	
112 Benzo[g,h,i]perylene	276	16.111	16.117	-0.006	96	92168	14.3	

Reagents:

SM_ISTD_00091

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35661.D

Injection Date: 22-Aug-2015 16:48:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: 460-99997-E-7-A

Lab Sample ID: 460-99997-7

Worklist Smp#: 21

Client ID: ES-7

Injection Vol: 1.0 ul

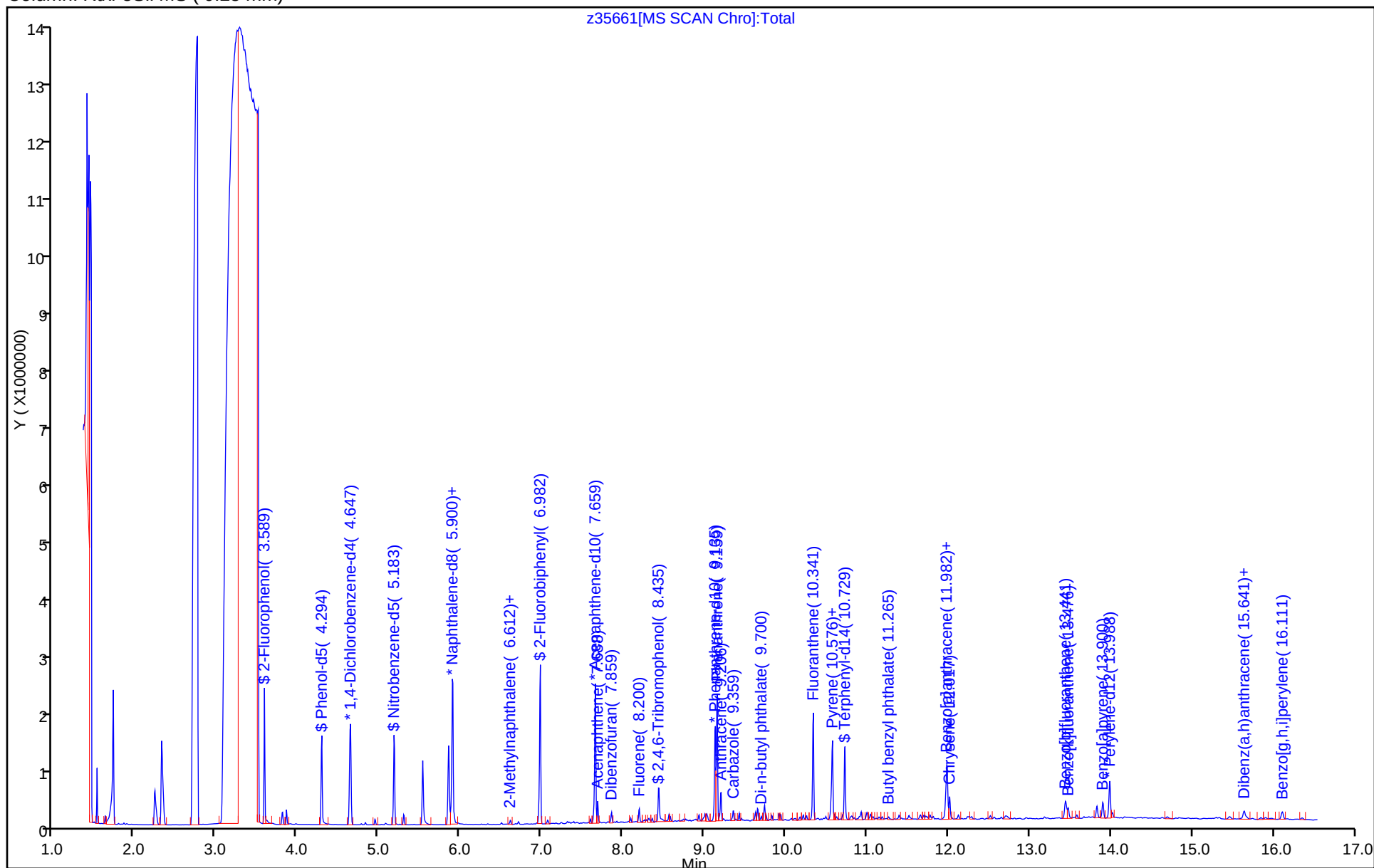
Dil. Factor: 1.0000

ALS Bottle#: 21

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35661.D

Injection Date: 22-Aug-2015 16:48:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-7-A

Lab Sample ID: 460-99997-7

Client ID: ES-7

Operator ID:

ALS Bottle#: 21 Worklist Smp#: 21

Injection Vol: 1.0 ul

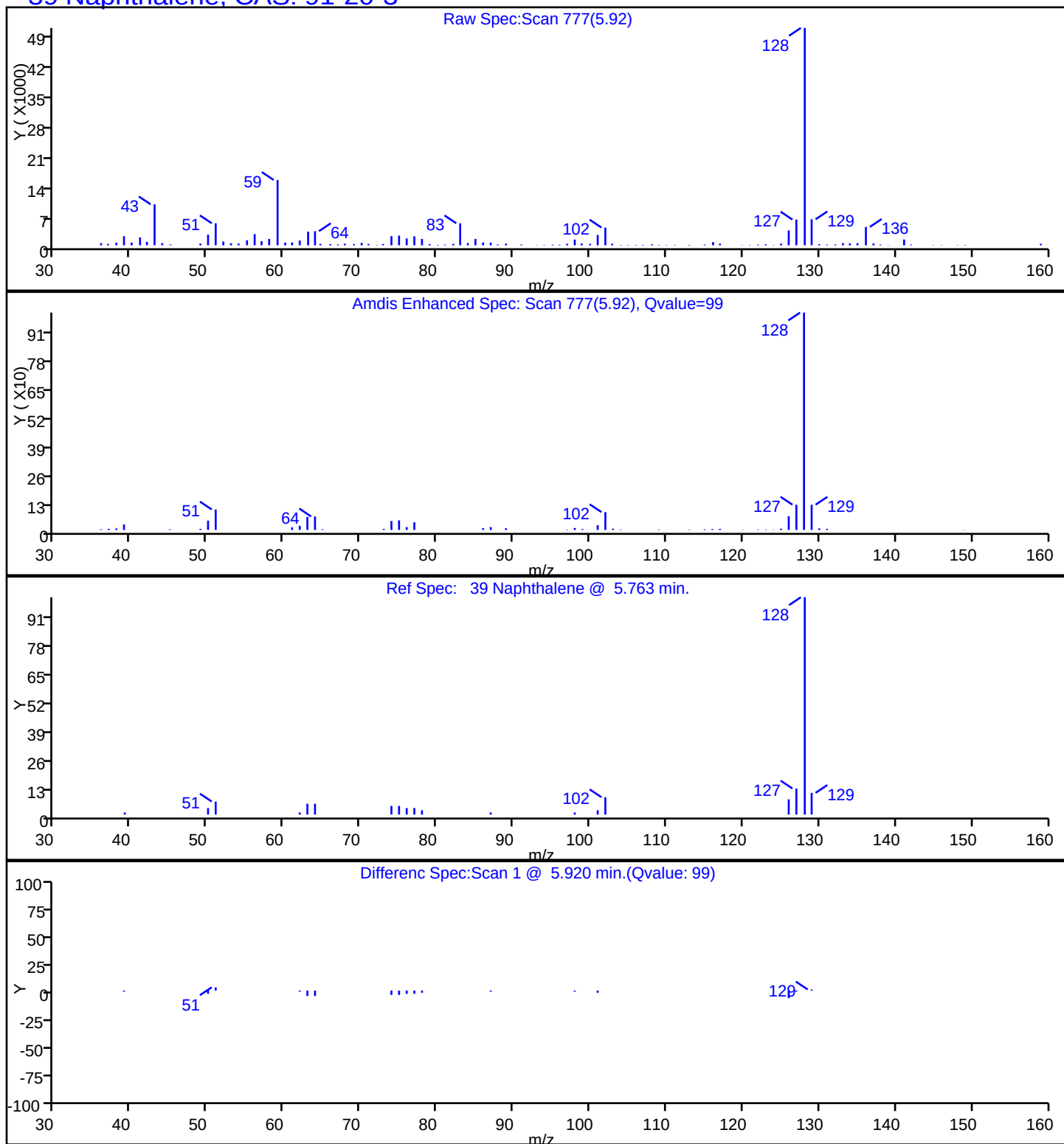
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

39 Naphthalene, CAS: 91-20-3

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35661.D

Injection Date: 22-Aug-2015 16:48:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-7-A

Lab Sample ID: 460-99997-7

Client ID: ES-7

Operator ID:

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

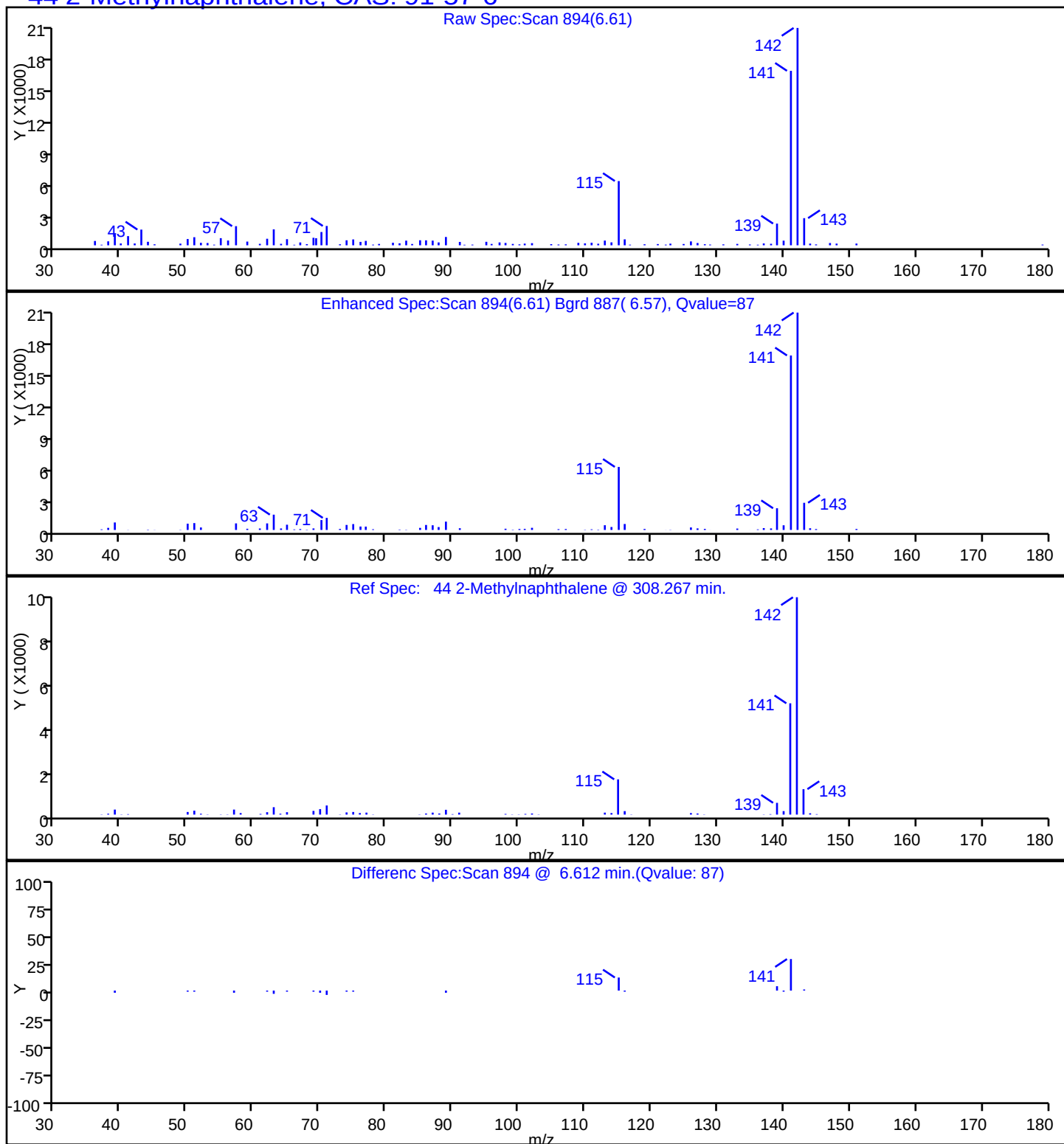
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

44 2-Methylnaphthalene, CAS: 91-57-6

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35661.D

Injection Date: 22-Aug-2015 16:48:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-7-A

Lab Sample ID: 460-99997-7

Client ID: ES-7

Operator ID:

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

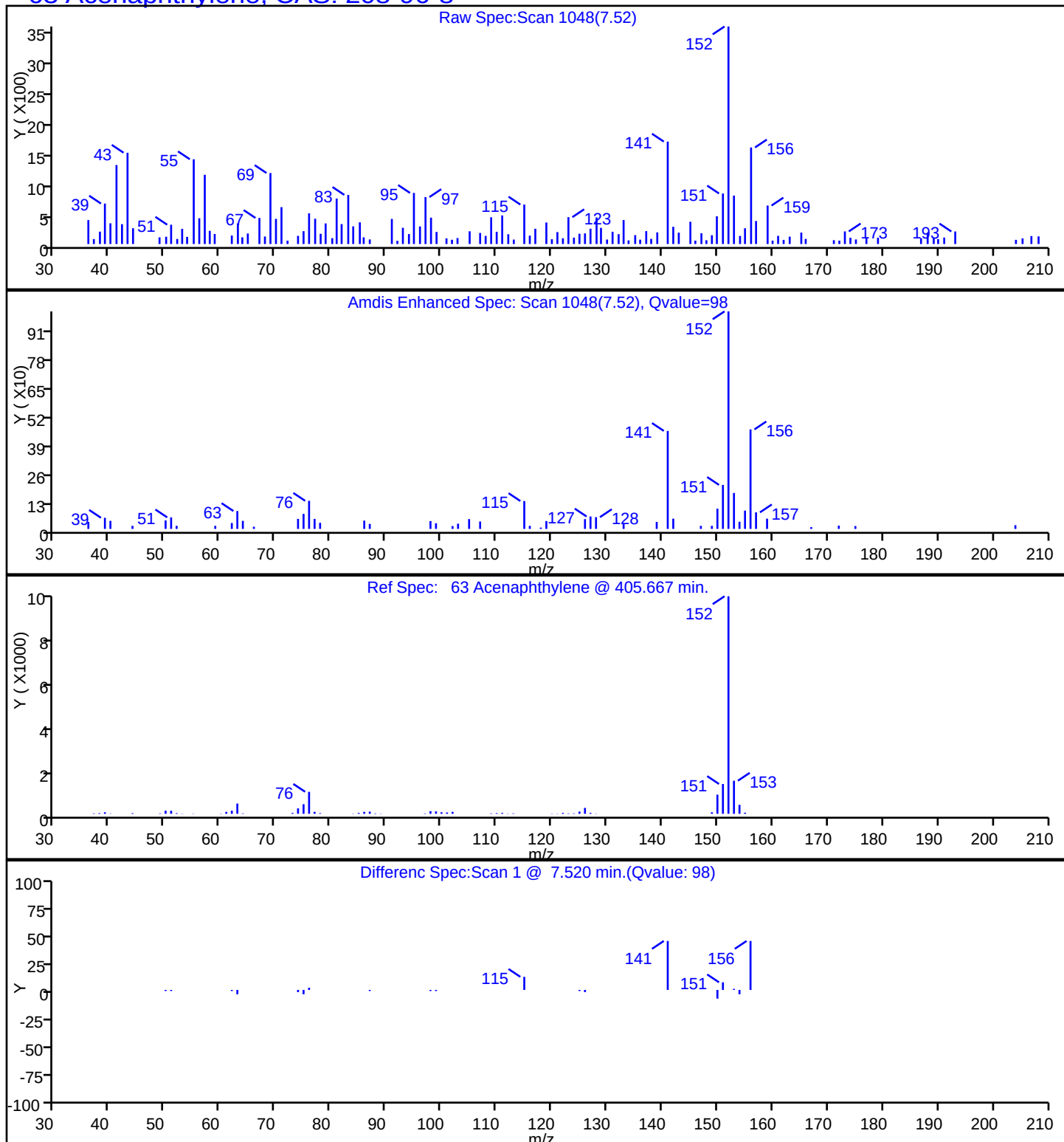
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

63 Acenaphthylene, CAS: 208-96-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35661.D

Injection Date: 22-Aug-2015 16:48:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-7-A

Lab Sample ID: 460-99997-7

Client ID: ES-7

Operator ID:

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

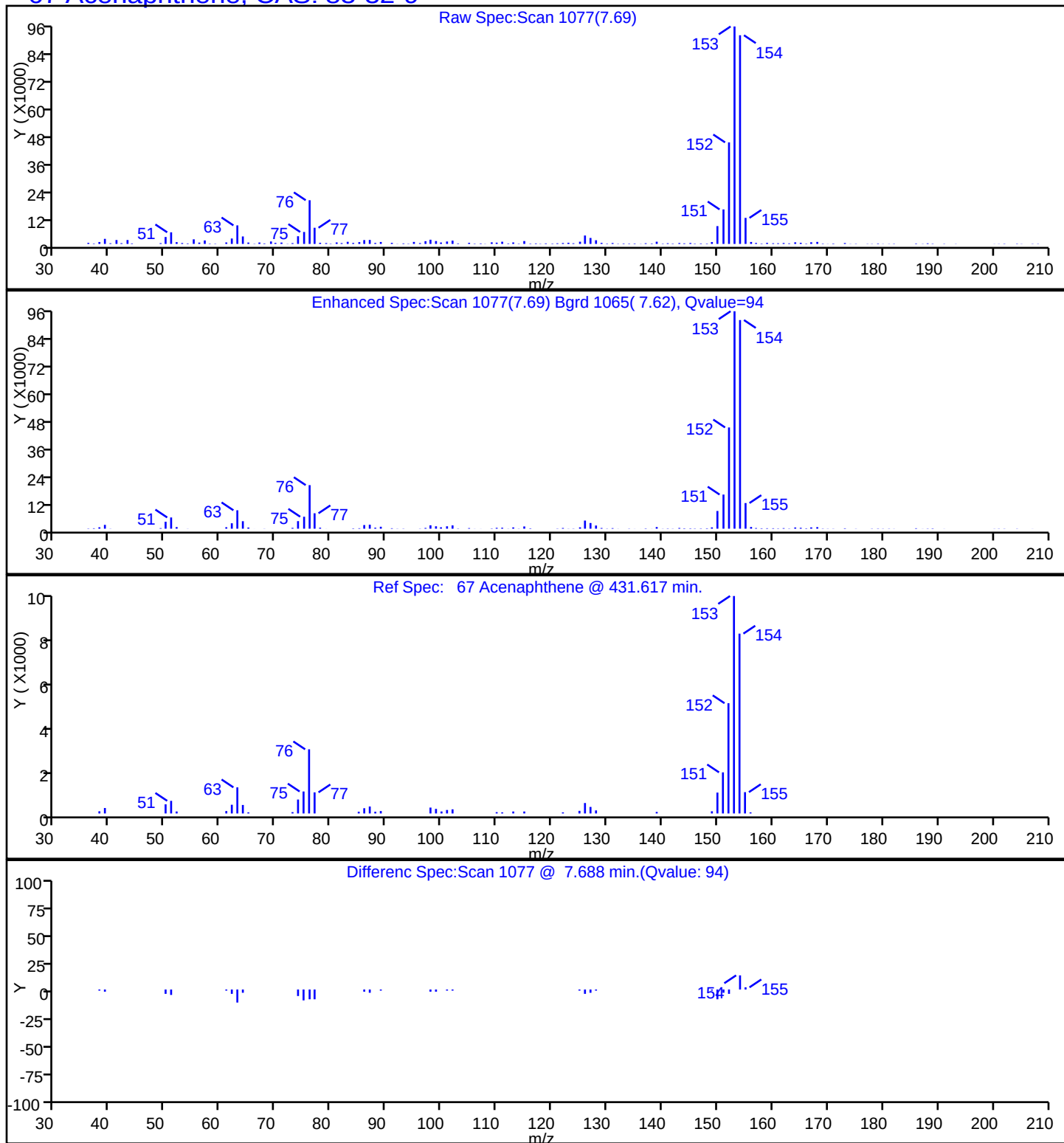
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

67 Acenaphthene, CAS: 83-32-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35661.D

Injection Date: 22-Aug-2015 16:48:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-7-A

Lab Sample ID: 460-99997-7

Client ID: ES-7

Operator ID:

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

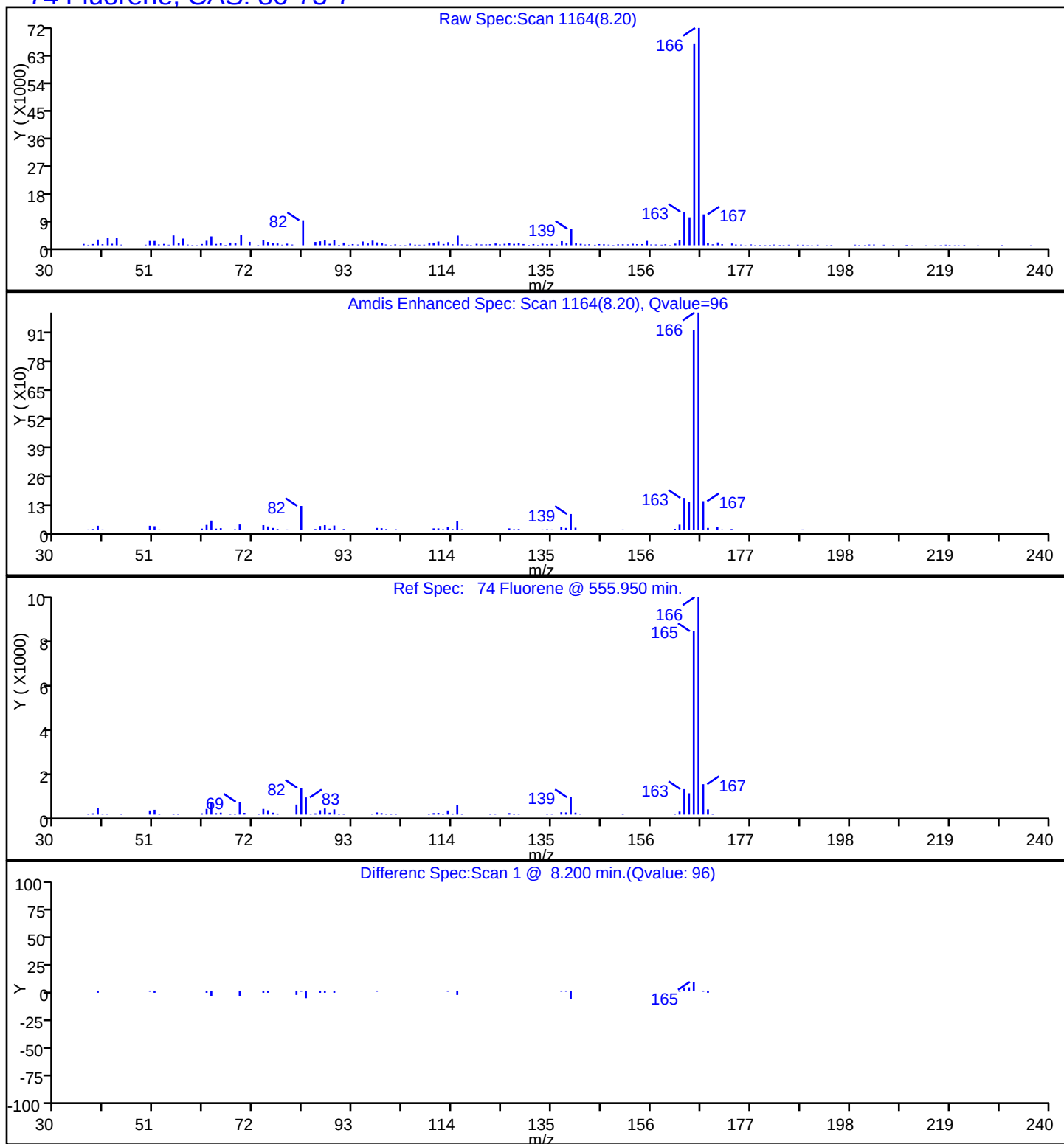
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

74 Fluorene, CAS: 86-73-7



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35661.D

Injection Date: 22-Aug-2015 16:48:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-7-A

Lab Sample ID: 460-99997-7

Client ID: ES-7

Operator ID:

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

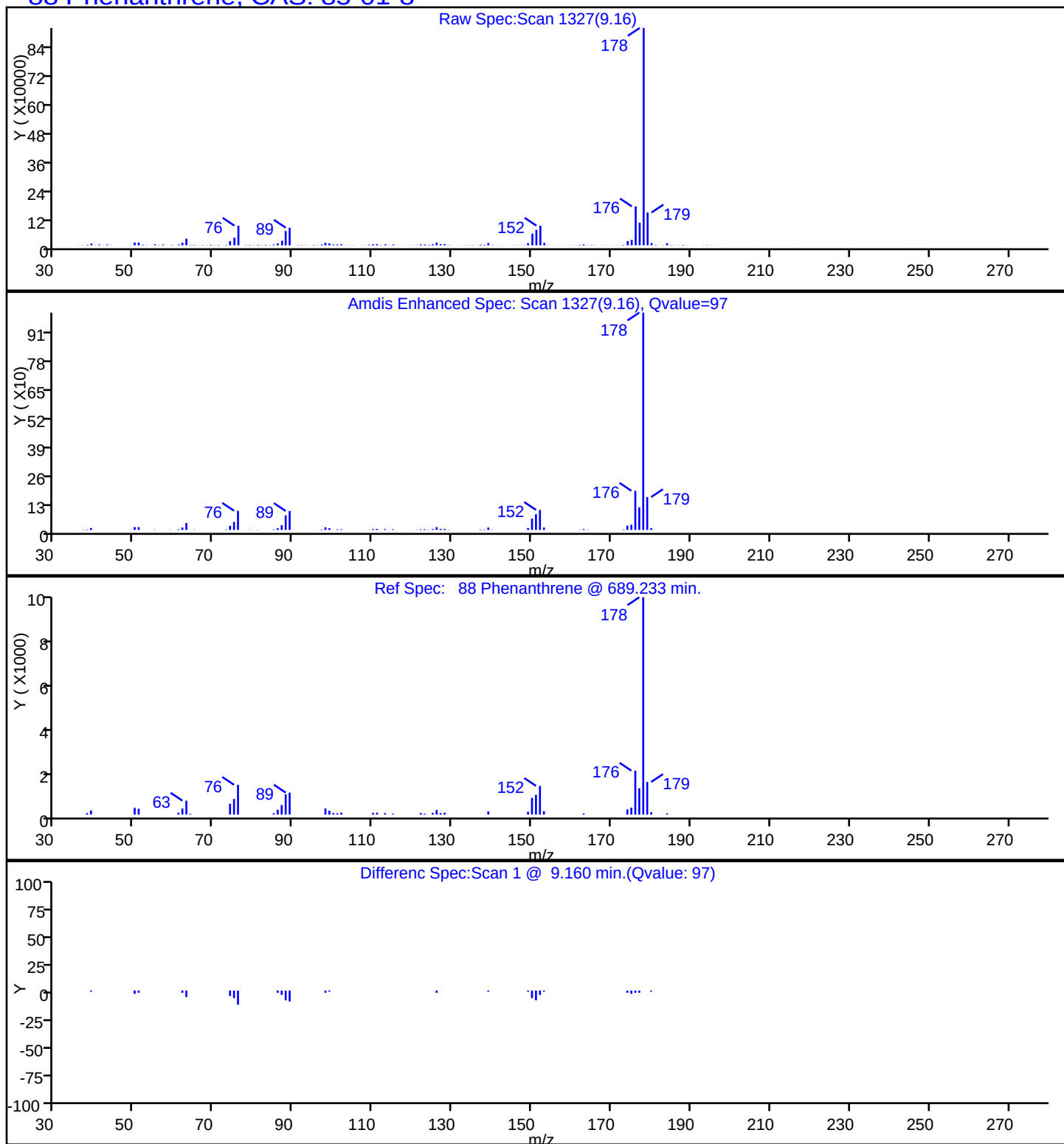
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

88 Phenanthrene, CAS: 85-01-8



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35661.D

Injection Date: 22-Aug-2015 16:48:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-7-A

Lab Sample ID: 460-99997-7

Client ID: ES-7

Operator ID:

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

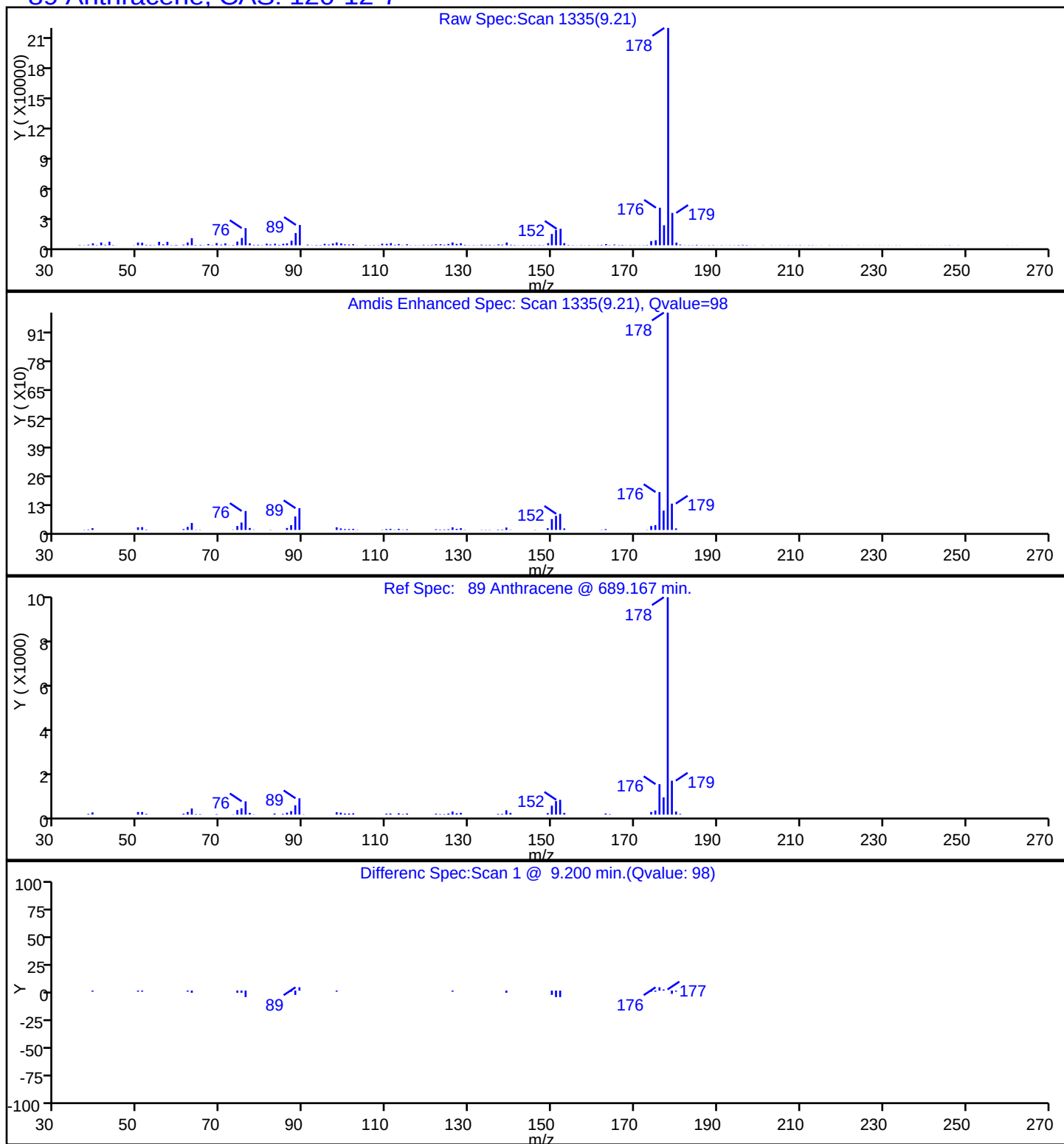
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

89 Anthracene, CAS: 120-12-7

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35661.D

Injection Date: 22-Aug-2015 16:48:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-7-A

Lab Sample ID: 460-99997-7

Client ID: ES-7

Operator ID:

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

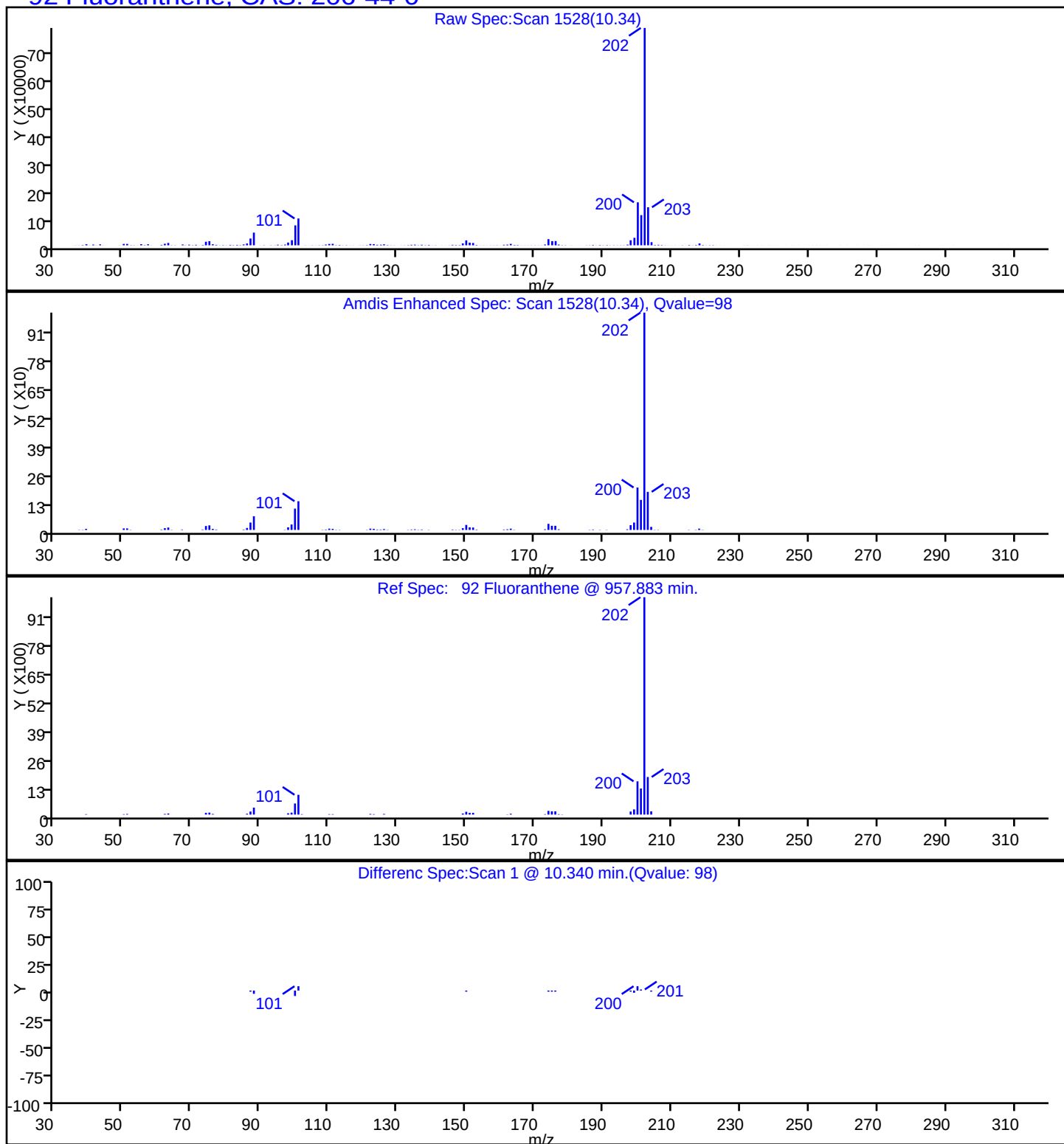
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

92 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35661.D

Injection Date: 22-Aug-2015 16:48:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-7-A

Lab Sample ID: 460-99997-7

Client ID: ES-7

Operator ID:

ALS Bottle#: 21 Worklist Smp#: 21

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

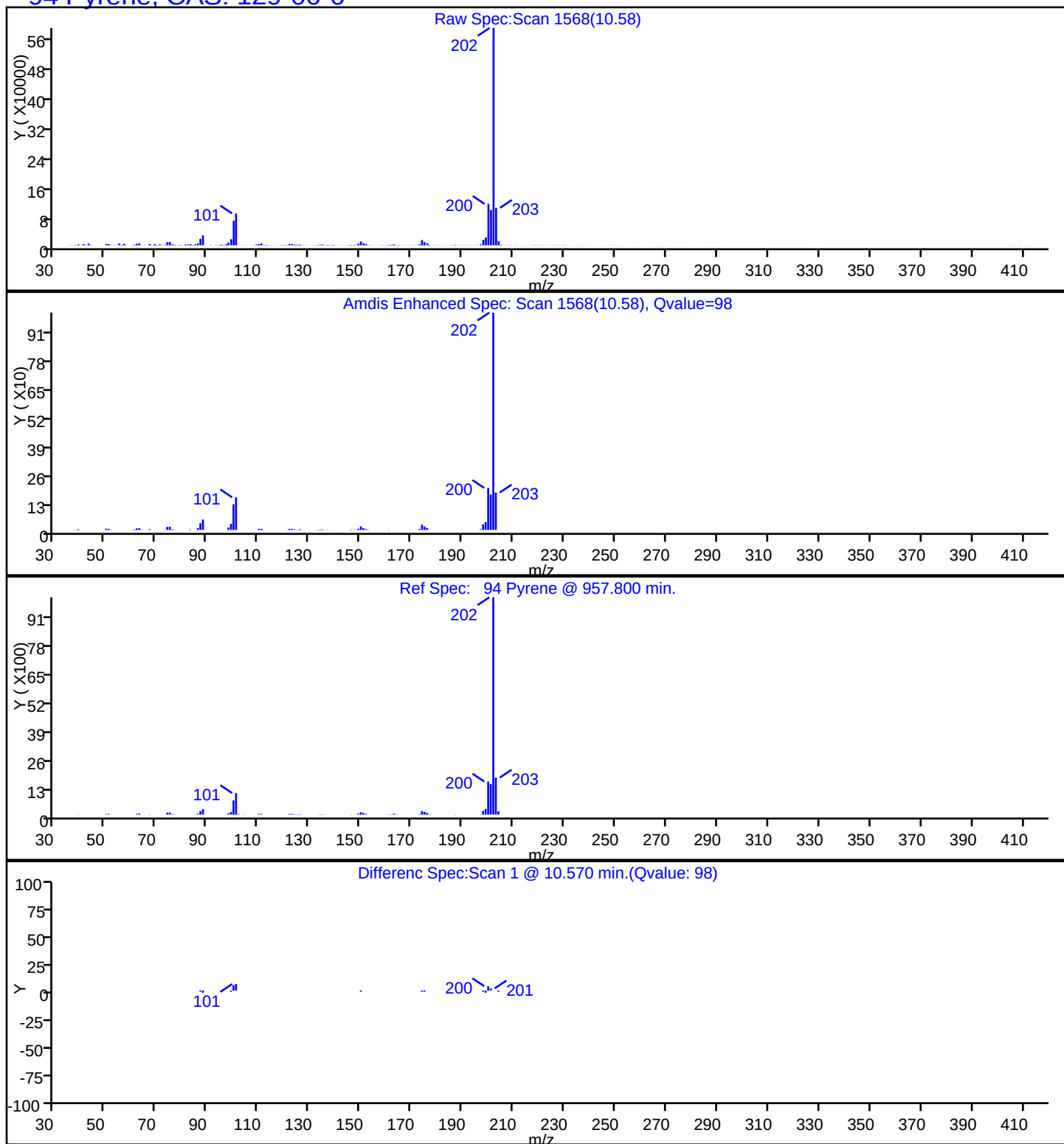
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

94 Pyrene, CAS: 129-00-0



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35661.D

Injection Date: 22-Aug-2015 16:48:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-7-A

Lab Sample ID: 460-99997-7

Client ID: ES-7

Operator ID:

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

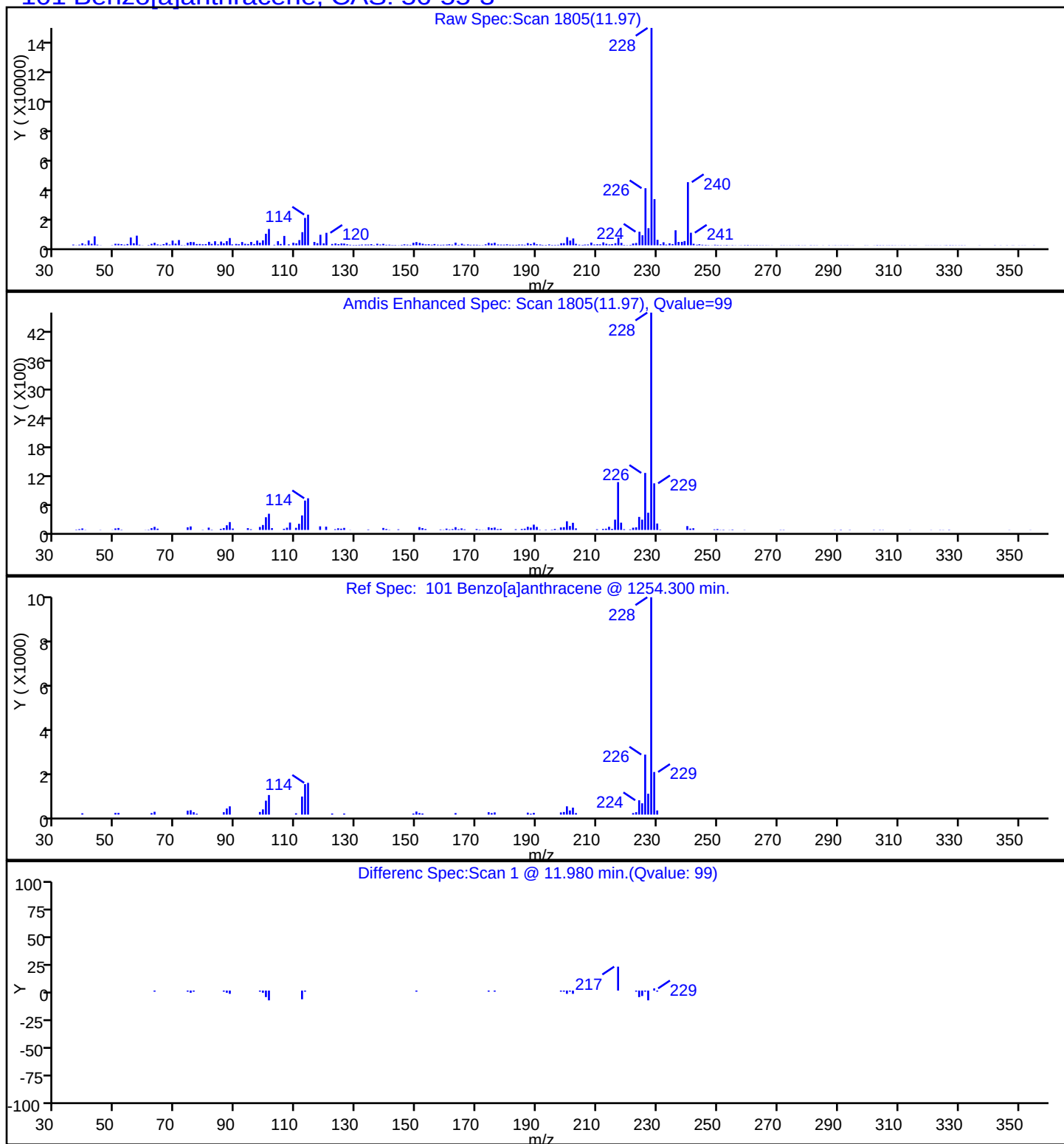
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

101 Benzo[a]anthracene, CAS: 56-55-3

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35661.D

Injection Date: 22-Aug-2015 16:48:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-7-A

Lab Sample ID: 460-99997-7

Client ID: ES-7

Operator ID:

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

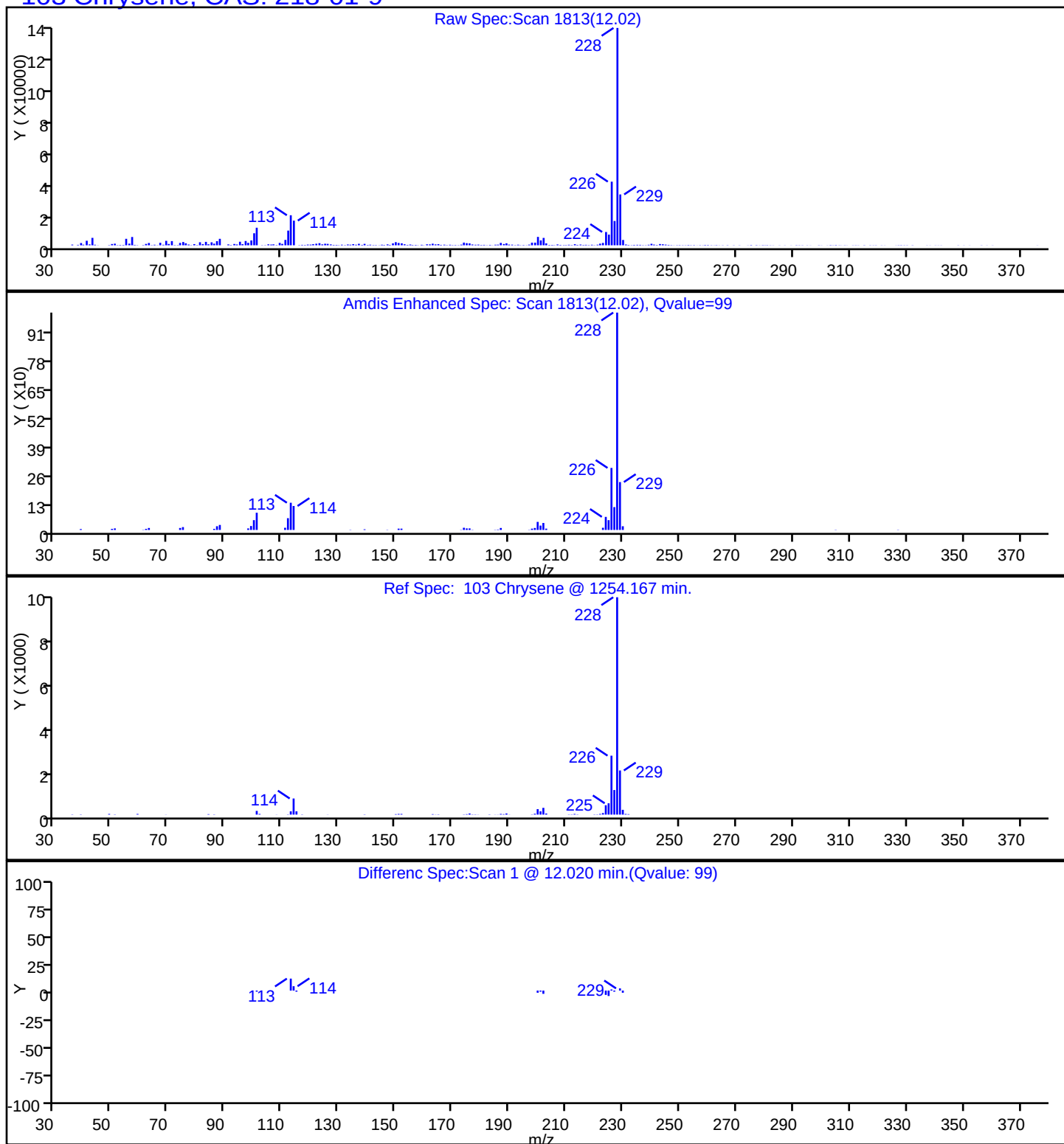
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

103 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35661.D

Injection Date: 22-Aug-2015 16:48:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-7-A

Lab Sample ID: 460-99997-7

Client ID: ES-7

Operator ID:

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

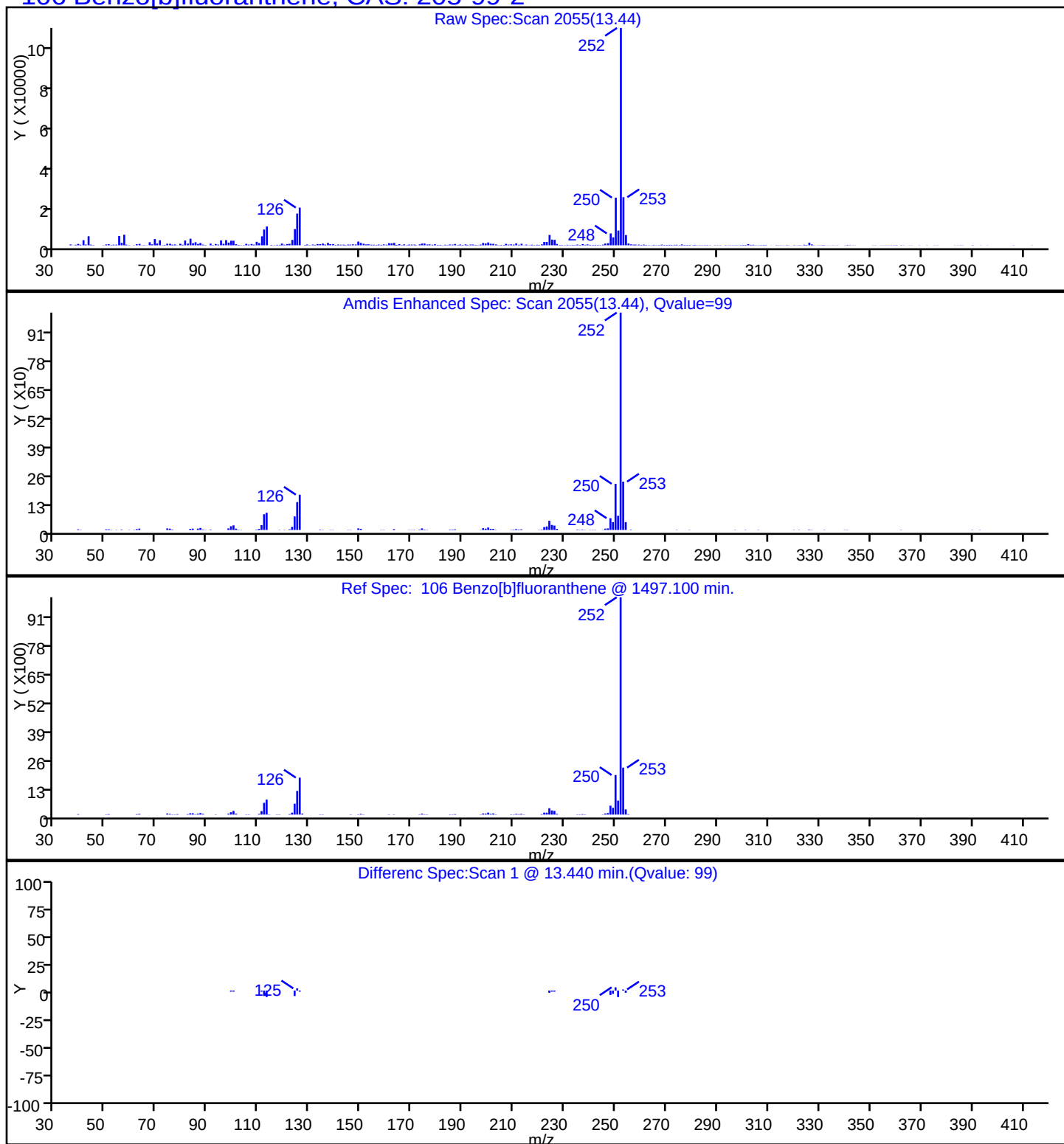
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

106 Benzo[b]fluoranthene, CAS: 205-99-2

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35661.D

Injection Date: 22-Aug-2015 16:48:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-7-A

Lab Sample ID: 460-99997-7

Client ID: ES-7

Operator ID:

ALS Bottle#:

21

Worklist Smp#:

21

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

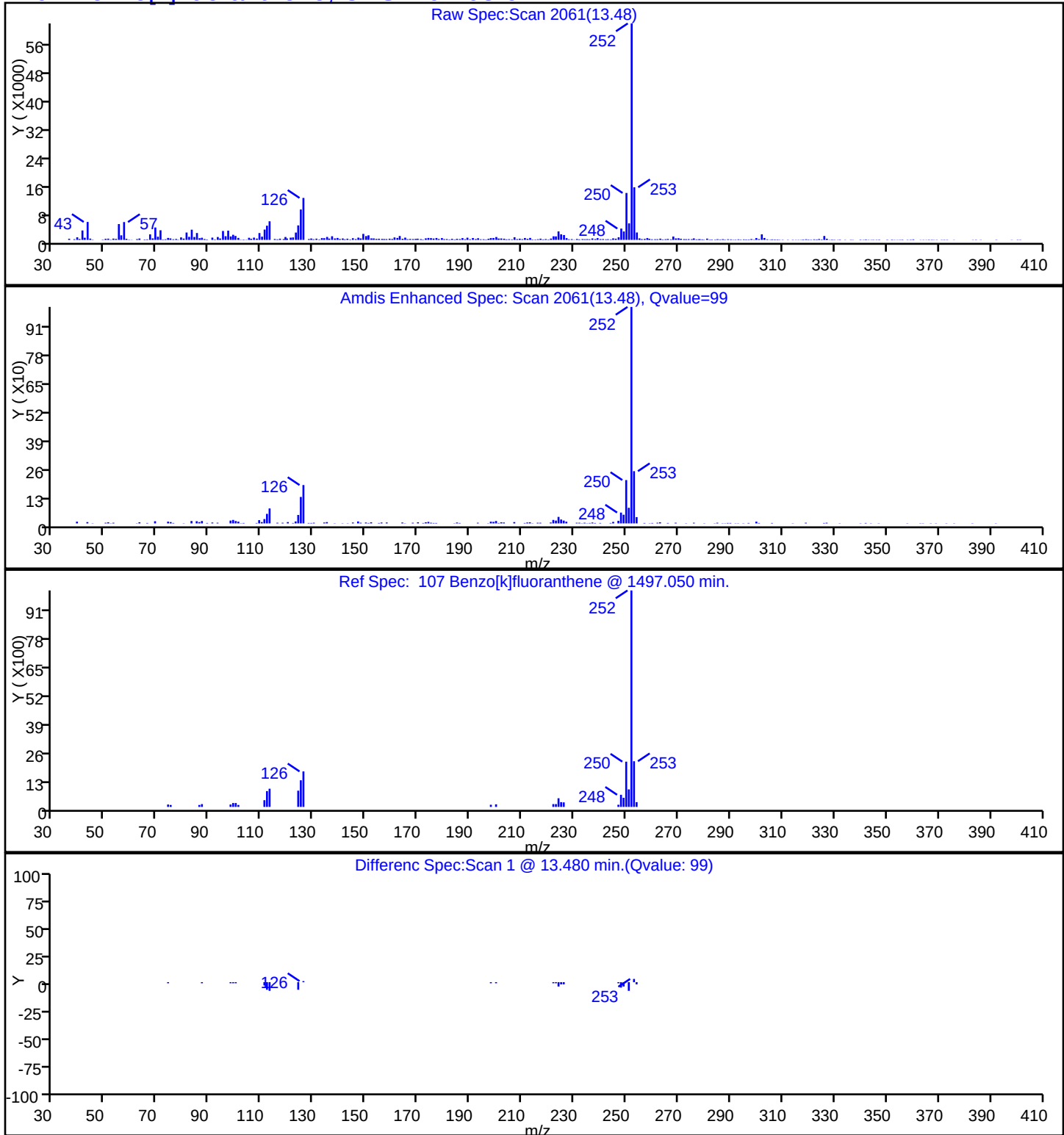
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

107 Benzo[k]fluoranthene, CAS: 207-08-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35661.D

Injection Date: 22-Aug-2015 16:48:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-7-A

Lab Sample ID: 460-99997-7

Client ID: ES-7

Operator ID:

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

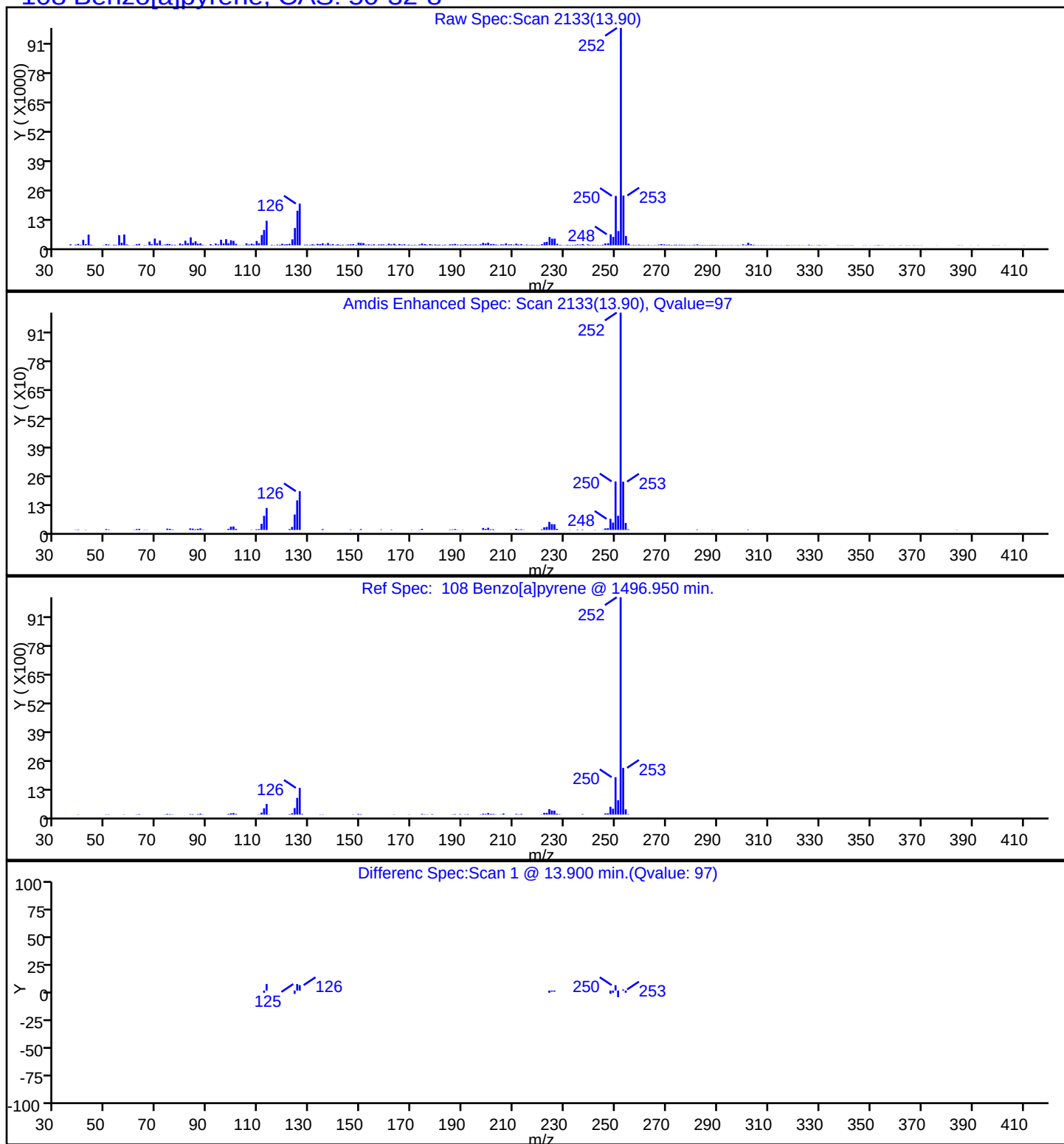
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

108 Benzo[a]pyrene, CAS: 50-32-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35661.D

Injection Date: 22-Aug-2015 16:48:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-7-A

Lab Sample ID: 460-99997-7

Client ID: ES-7

Operator ID:

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

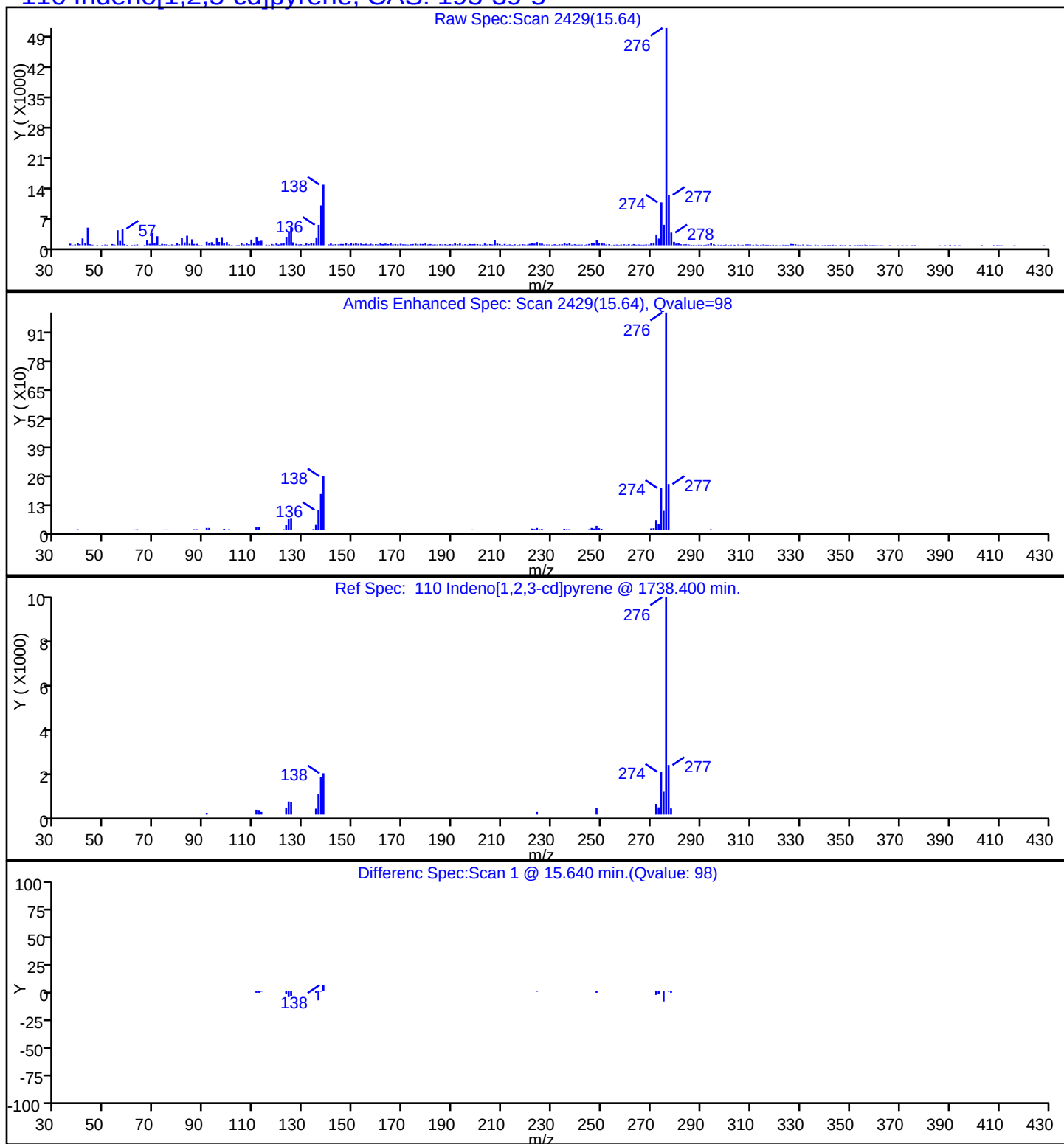
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35661.D

Injection Date: 22-Aug-2015 16:48:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-7-A

Lab Sample ID: 460-99997-7

Client ID: ES-7

Operator ID:

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

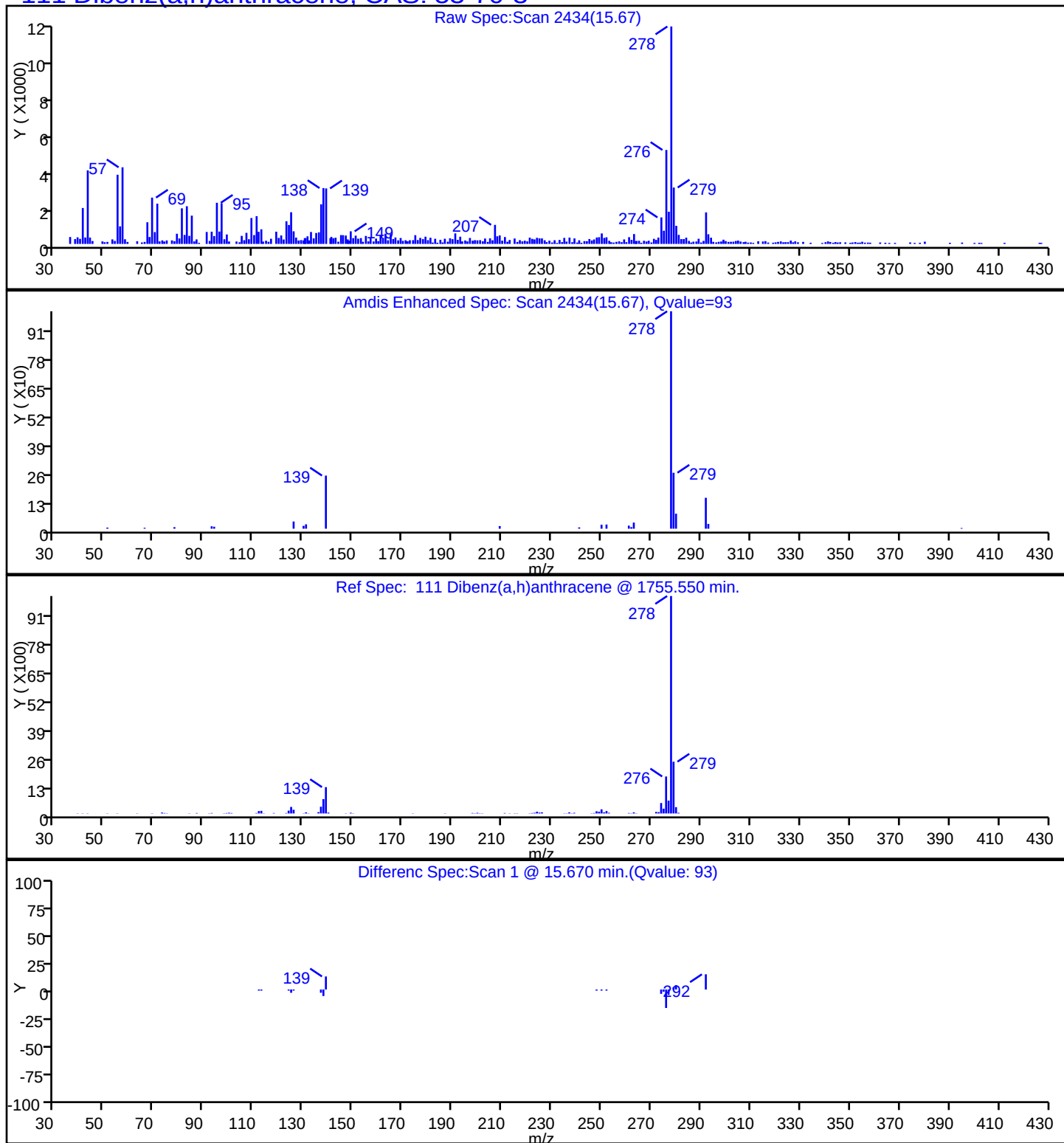
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

111 Dibenz(a,h)anthracene, CAS: 53-70-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35661.D

Injection Date: 22-Aug-2015 16:48:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-7-A

Lab Sample ID: 460-99997-7

Client ID: ES-7

Operator ID:

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

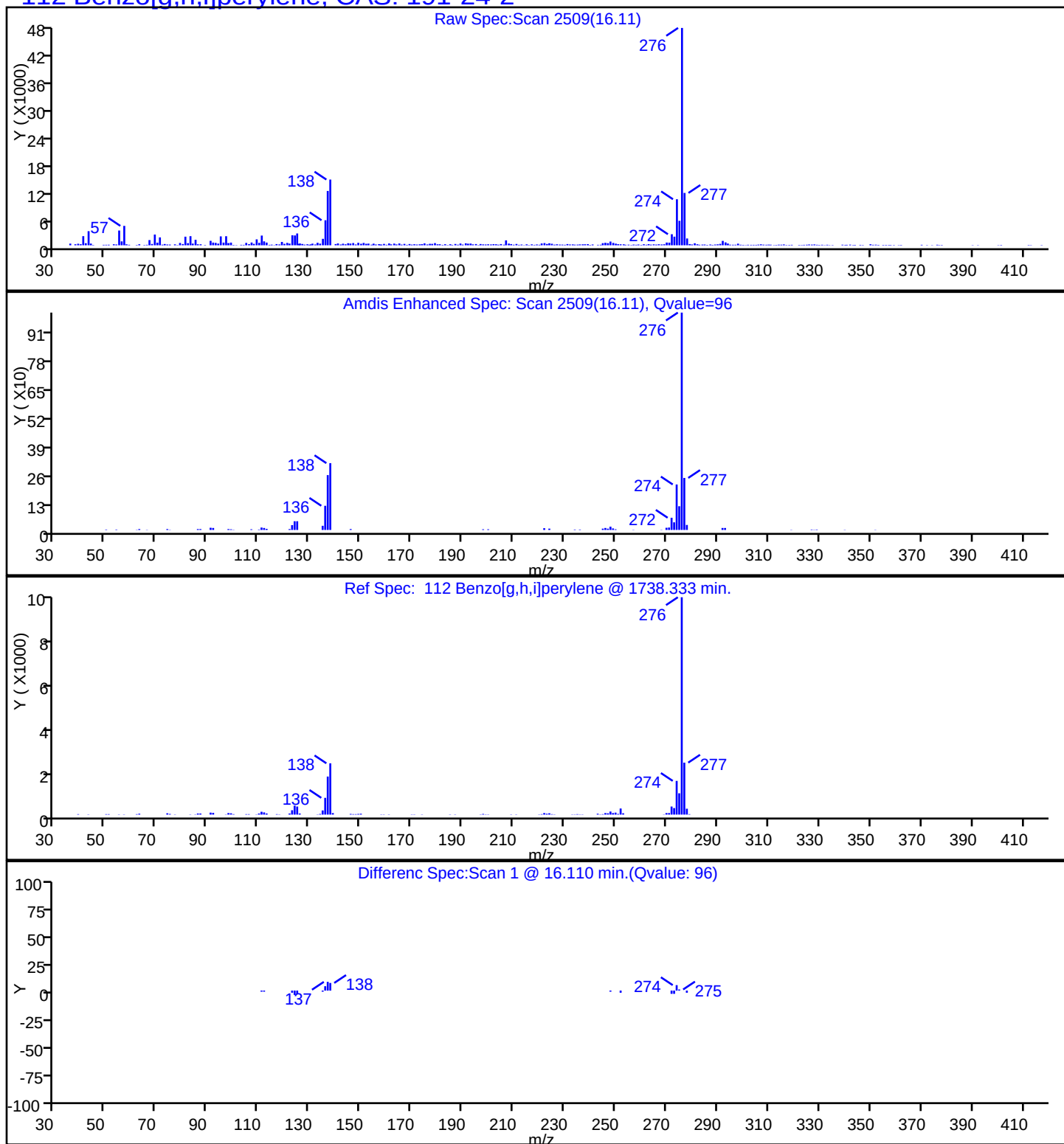
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

112 Benzo[g,h,i]perylene, CAS: 191-24-2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-8</u>	Lab Sample ID: <u>460-99997-8</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z35654.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>08/20/2015 10:58</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>08/21/2015 21:30</u>
Sample wt/vol: <u>15.0216(g)</u>	Date Analyzed: <u>08/22/2015 14:07</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>18.9</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318190</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.17	J	0.41	0.010
91-57-6	2-Methylnaphthalene	0.090	J	0.41	0.0090
208-96-8	Acenaphthylene	0.010	U	0.41	0.010
83-32-9	Acenaphthene	0.53		0.41	0.0098
86-73-7	Fluorene	0.55		0.41	0.0089
85-01-8	Phenanthrene	5.8		0.41	0.011
120-12-7	Anthracene	1.4		0.41	0.039
206-44-0	Fluoranthene	6.6		0.41	0.012
129-00-0	Pyrene	5.4		0.41	0.018
56-55-3	Benzo[a]anthracene	2.8		0.041	0.034
218-01-9	Chrysene	2.8		0.41	0.011
205-99-2	Benzo[b]fluoranthene	3.4		0.041	0.016
207-08-9	Benzo[k]fluoranthene	1.3		0.041	0.018
50-32-8	Benzo[a]pyrene	2.8		0.041	0.012
193-39-5	Indeno[1,2,3-cd]pyrene	2.4		0.041	0.027
53-70-3	Dibenz(a,h)anthracene	0.52		0.041	0.021
191-24-2	Benzo[g,h,i]perylene	2.2		0.41	0.023

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	83		30-130
1718-51-0	Terphenyl-d14	98		30-130
321-60-8	2-Fluorobiphenyl	88		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35654.D
 Lims ID: 460-99997-E-8-A Lab Sample ID: 460-99997-8
 Client ID: ES-8
 Sample Type: Client
 Inject. Date: 22-Aug-2015 14:07:30 ALS Bottle#: 14 Worklist Smp#: 14
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031003-014
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Aug-2015 21:29:16 Calib Date: 19-Aug-2015 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35546.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: szczecha

Date: 24-Aug-2015 10:31:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.518	3.336	0.182	94	498982	37.0	
\$ 6 Phenol-d5	99	4.277	4.259	0.018	86	595299	37.6	
* 14 1,4-Dichlorobenzene-d4	152	4.636	4.612	0.024	96	420037	40.0	
\$ 26 Nitrobenzene-d5	82	5.177	5.183	-0.006	91	529958	41.5	
* 38 Naphthalene-d8	136	5.900	5.894	0.006	99	1445524	40.0	
39 Naphthalene	128	5.918	5.930	-0.012	100	75528	2.11	
44 2-Methylnaphthalene	142	6.612	6.618	-0.006	87	25897	1.10	
\$ 51 2-Fluorobiphenyl	172	6.982	6.983	-0.001	99	1085321	43.8	
52 1,1'-Biphenyl	154	7.077	7.088	-0.011	95	12672	0.4575	
* 65 Acenaphthene-d10	164	7.659	7.659	0.000	92	670335	40.0	
67 Acenaphthene	154	7.688	7.700	-0.012	94	130583	6.51	
71 Dibenzofuran	168	7.859	7.871	-0.012	96	103685	3.97	
74 Fluorene	166	8.200	8.206	-0.006	97	134906	6.73	
\$ 80 2,4,6-Tribromophenol	330	8.441	8.447	-0.006	95	101049	48.5	
* 87 Phenanthrene-d10	188	9.135	9.129	0.006	99	816479	40.0	
88 Phenanthrene	178	9.159	9.165	-0.006	98	1653796	70.4	
89 Anthracene	178	9.206	9.212	-0.006	98	401475	17.0	
90 Carbazole	167	9.359	9.365	-0.006	95	152899	7.96	
92 Fluoranthene	202	10.347	10.341	0.006	98	1451474	80.2	
94 Pyrene	202	10.582	10.576	0.006	97	1166232	65.7	
\$ 96 Terphenyl-d14	244	10.729	10.729	0.000	99	530427	49.1	
101 Benzo[a]anthracene	228	11.976	11.976	0.000	98	360751	33.5	
* 102 Chrysene-d12	240	11.988	11.982	0.006	99	359182	40.0	
103 Chrysene	228	12.023	12.023	0.000	99	325460	33.9	
106 Benzo[b]fluoranthene	252	13.447	13.447	0.000	99	338887	41.0	
107 Benzo[k]fluoranthene	252	13.476	13.482	-0.006	53	129013	15.6	
108 Benzo[a]pyrene	252	13.906	13.906	0.000	97	244938	33.6	
* 109 Perylene-d12	264	13.988	13.982	0.006	97	273808	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.641	15.647	-0.006	99	164385	29.5	
111 Dibenz(a,h)anthracene	278	15.664	15.676	-0.012	94	35508	6.28	
112 Benzo[g,h,i]perylene	276	16.117	16.117	0.000	97	162916	27.0	

Reagents:

SM_ISTD_00091

Amount Added: 20.00

Units: uL

Run Reagent

Report Date: 24-Aug-2015 10:31:05

Chrom Revision: 2.2 23-Jul-2015 08:26:08

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35654.D

Injection Date: 22-Aug-2015 14:07:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: 460-99997-E-8-A

Lab Sample ID: 460-99997-8

Worklist Smp#: 14

Client ID: ES-8

Injection Vol: 1.0 ul

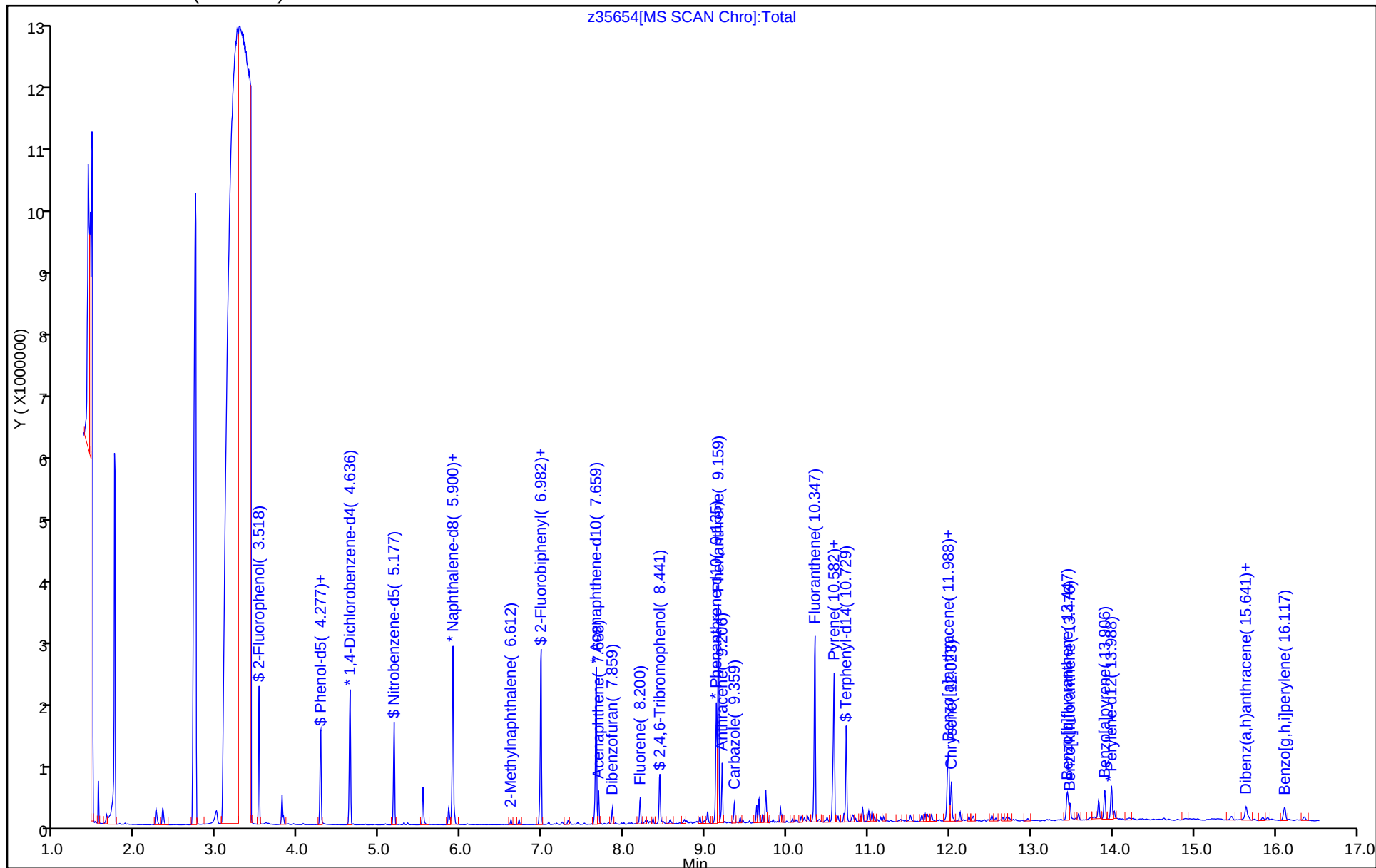
Dil. Factor: 1.0000

ALS Bottle#: 14

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35654.D

Injection Date: 22-Aug-2015 14:07:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-8-A

Lab Sample ID: 460-99997-8

Client ID: ES-8

Operator ID:

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 1.0 ul

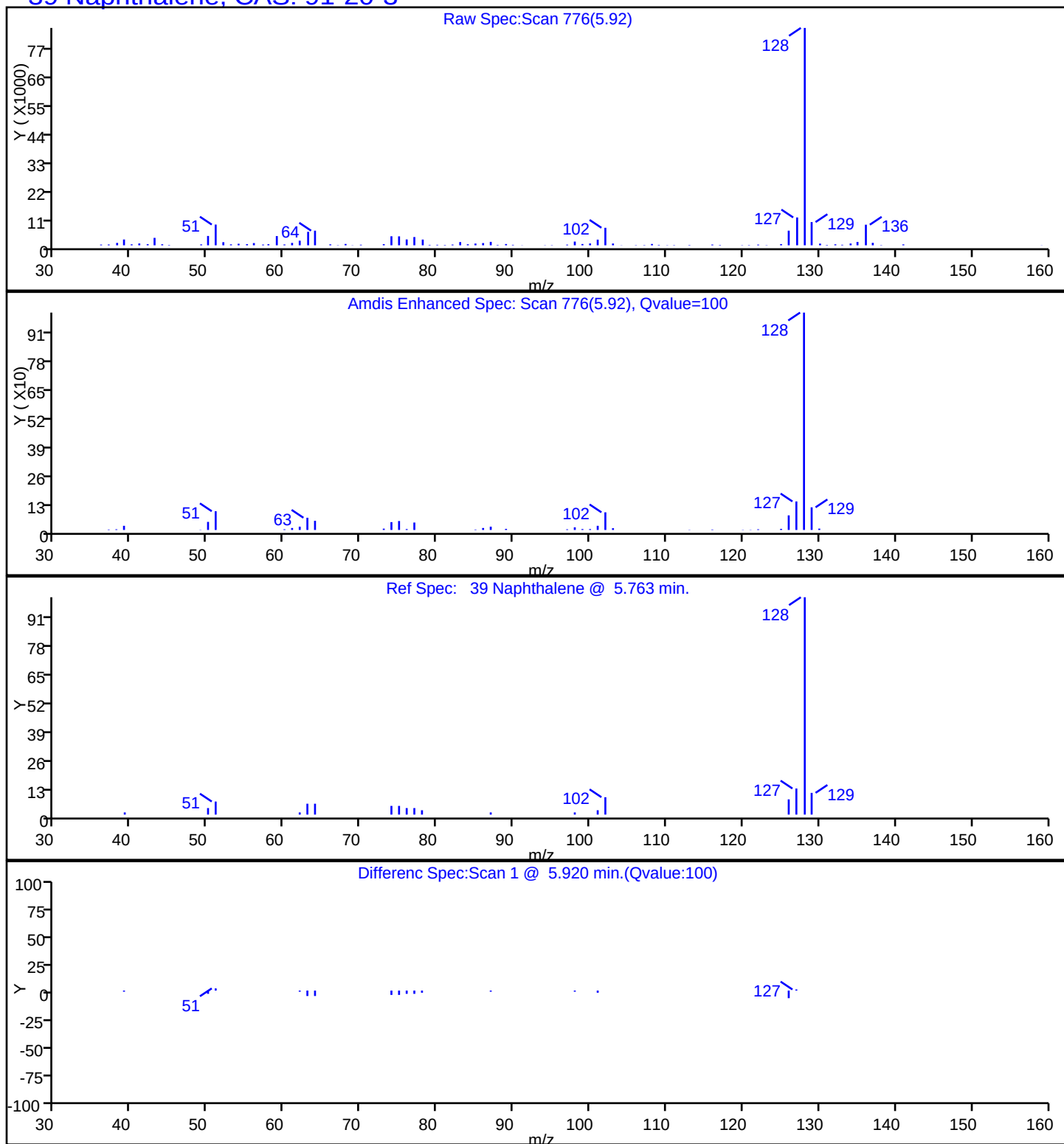
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

39 Naphthalene, CAS: 91-20-3

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35654.D

Injection Date: 22-Aug-2015 14:07:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-8-A

Lab Sample ID: 460-99997-8

Client ID: ES-8

Operator ID:

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

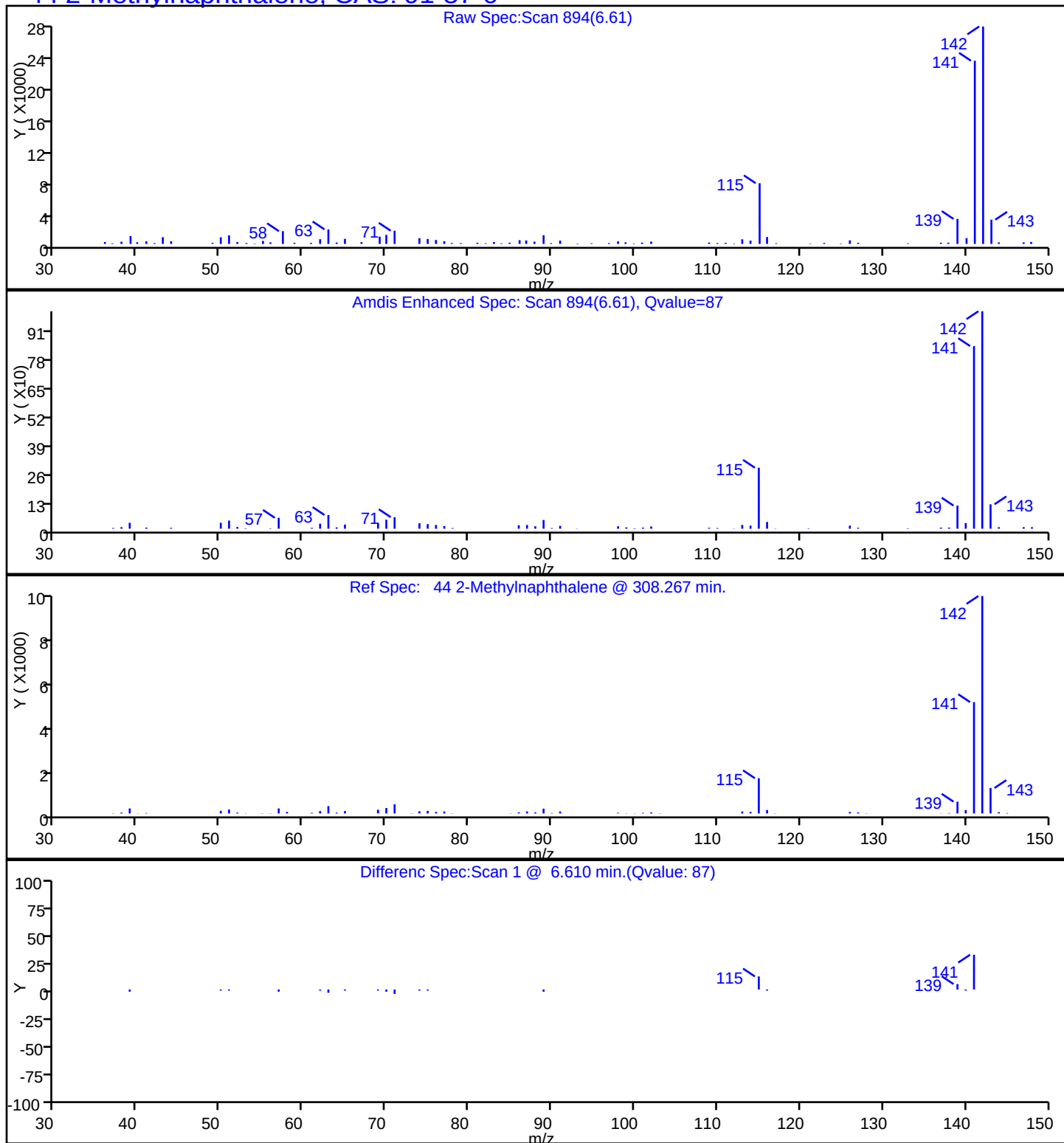
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

44 2-Methylnaphthalene, CAS: 91-57-6



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35654.D

Injection Date: 22-Aug-2015 14:07:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-8-A

Lab Sample ID: 460-99997-8

Client ID: ES-8

Operator ID:

ALS Bottle#:

14

Worklist Smp#:

14

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

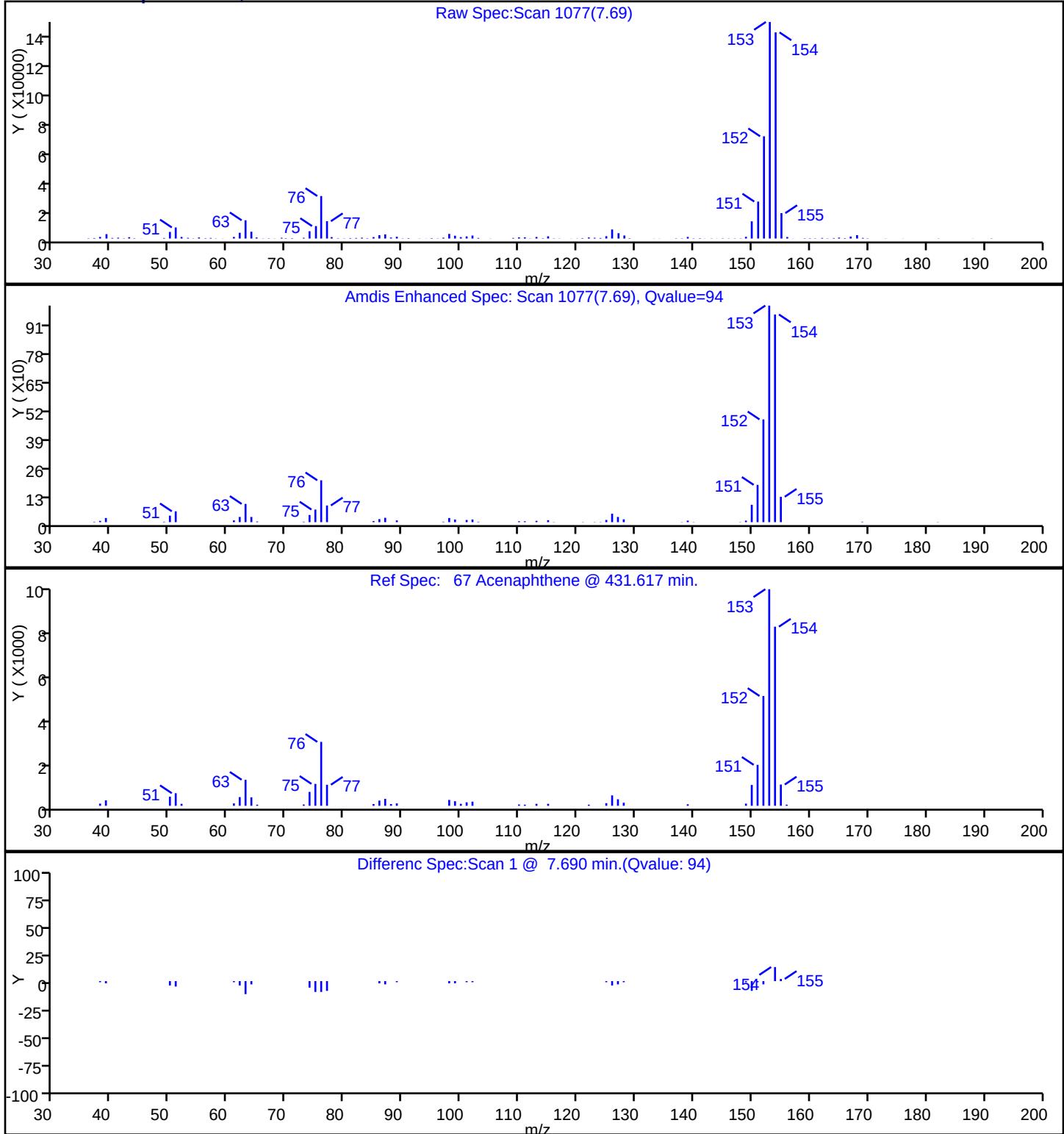
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

67 Acenaphthene, CAS: 83-32-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35654.D

Injection Date: 22-Aug-2015 14:07:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-8-A

Lab Sample ID: 460-99997-8

Client ID: ES-8

Operator ID:

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

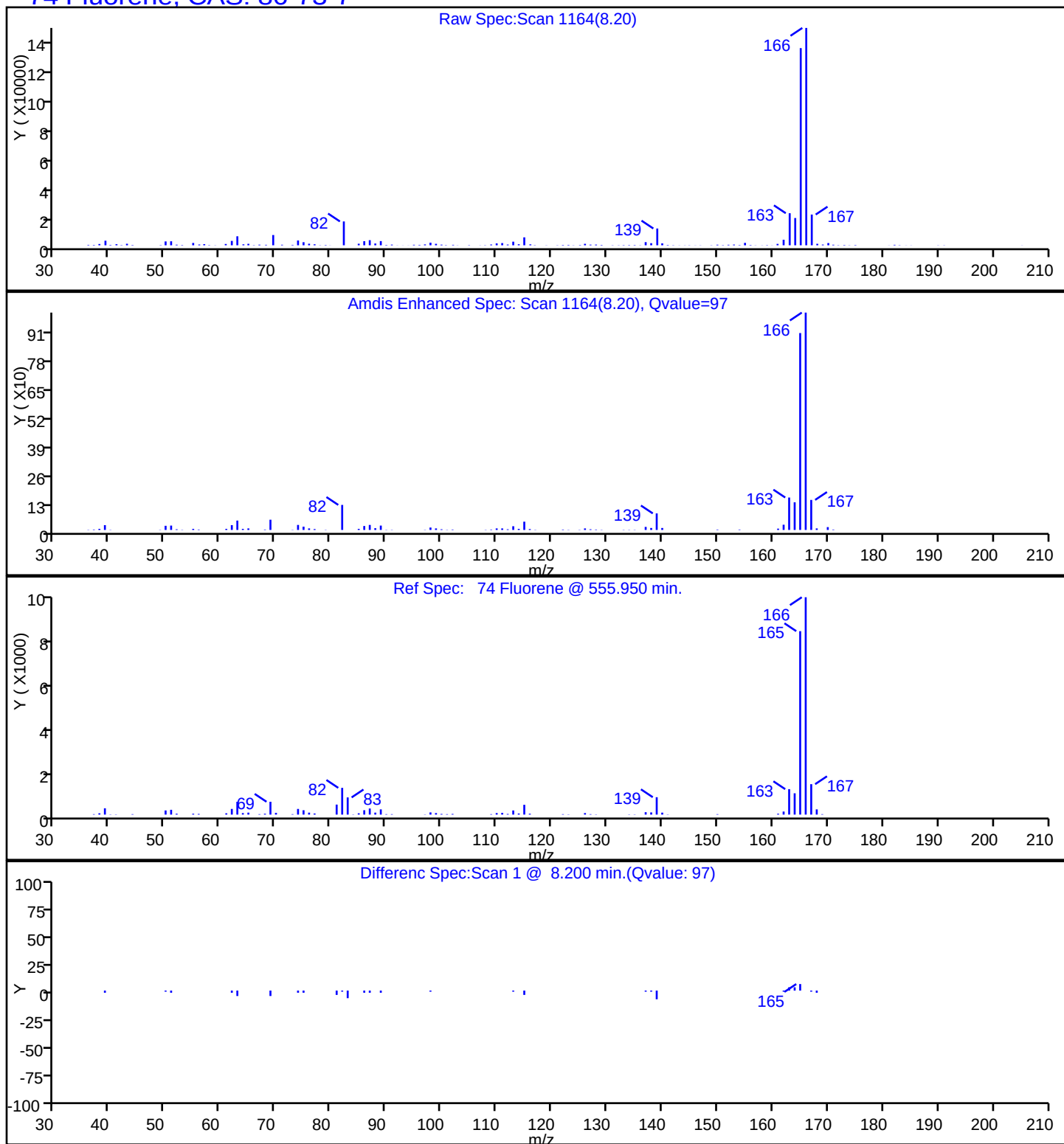
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

74 Fluorene, CAS: 86-73-7



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35654.D

Injection Date: 22-Aug-2015 14:07:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-8-A

Lab Sample ID: 460-99997-8

Client ID: ES-8

Operator ID:

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

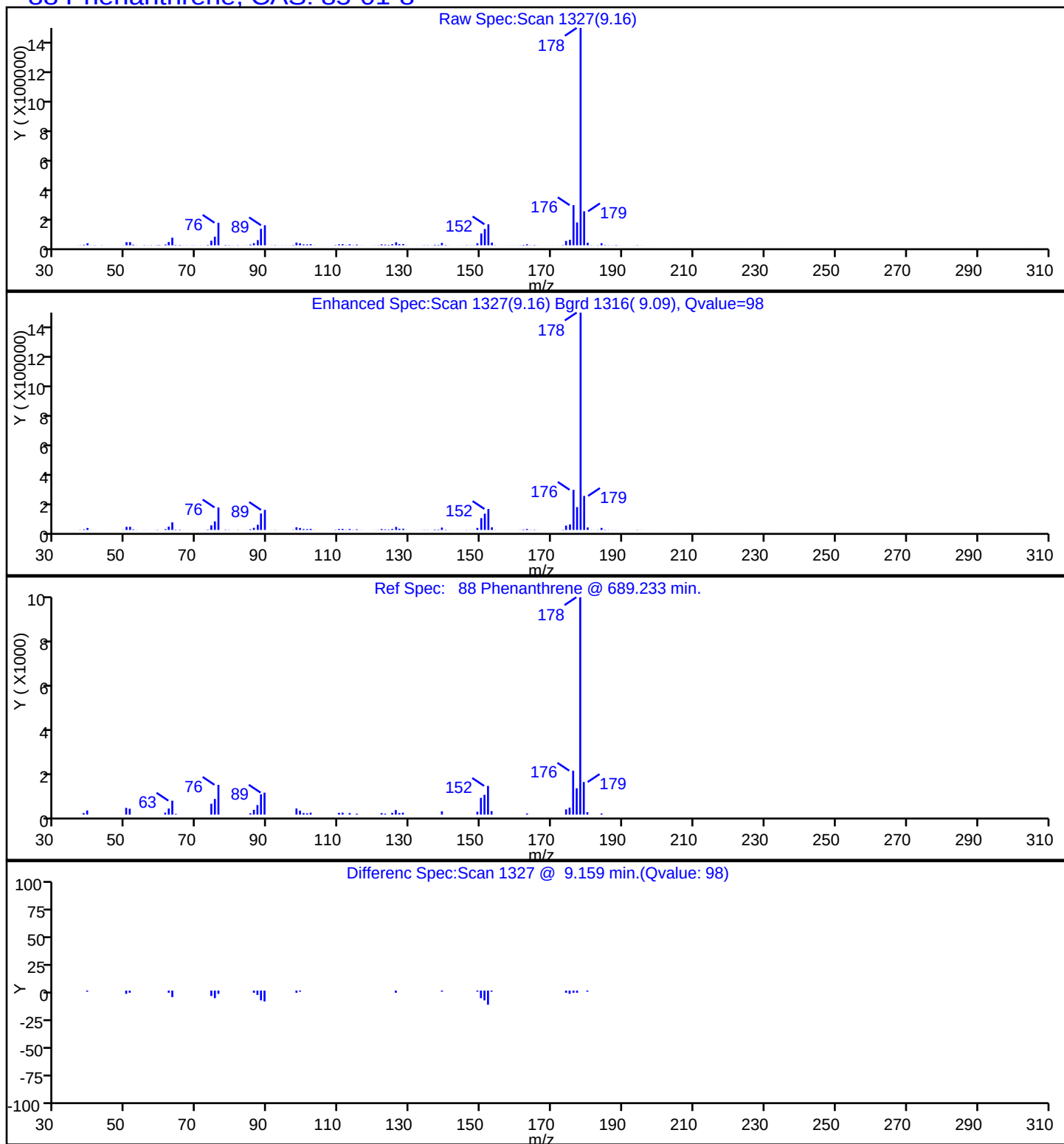
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

88 Phenanthrene, CAS: 85-01-8



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35654.D

Injection Date: 22-Aug-2015 14:07:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-8-A

Lab Sample ID: 460-99997-8

Client ID: ES-8

Operator ID:

ALS Bottle#:

14

Worklist Smp#:

14

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

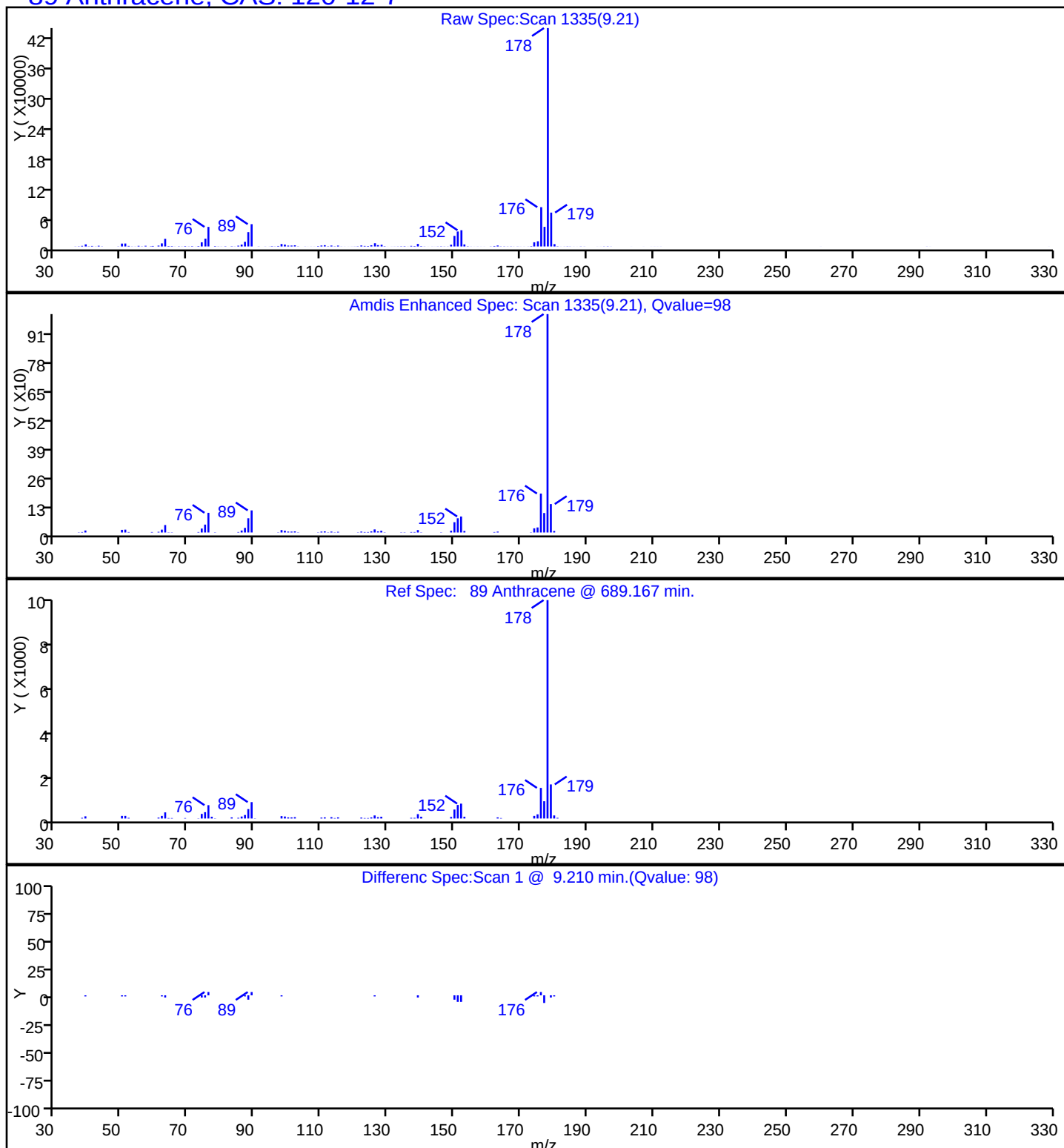
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

89 Anthracene, CAS: 120-12-7

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35654.D

Injection Date: 22-Aug-2015 14:07:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-8-A

Lab Sample ID: 460-99997-8

Client ID: ES-8

Operator ID:

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

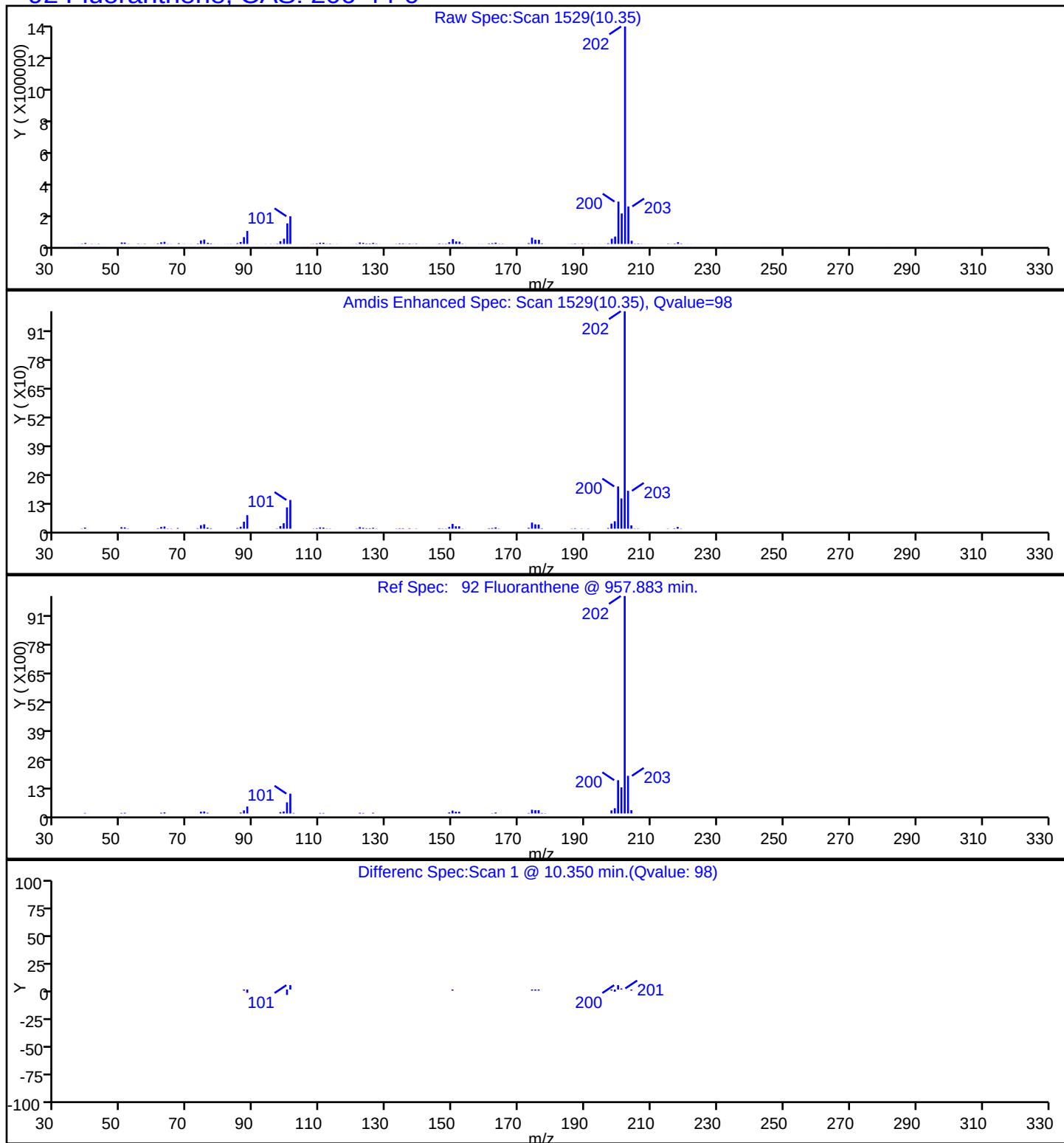
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

92 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35654.D

Injection Date: 22-Aug-2015 14:07:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-8-A

Lab Sample ID: 460-99997-8

Client ID: ES-8

Operator ID:

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

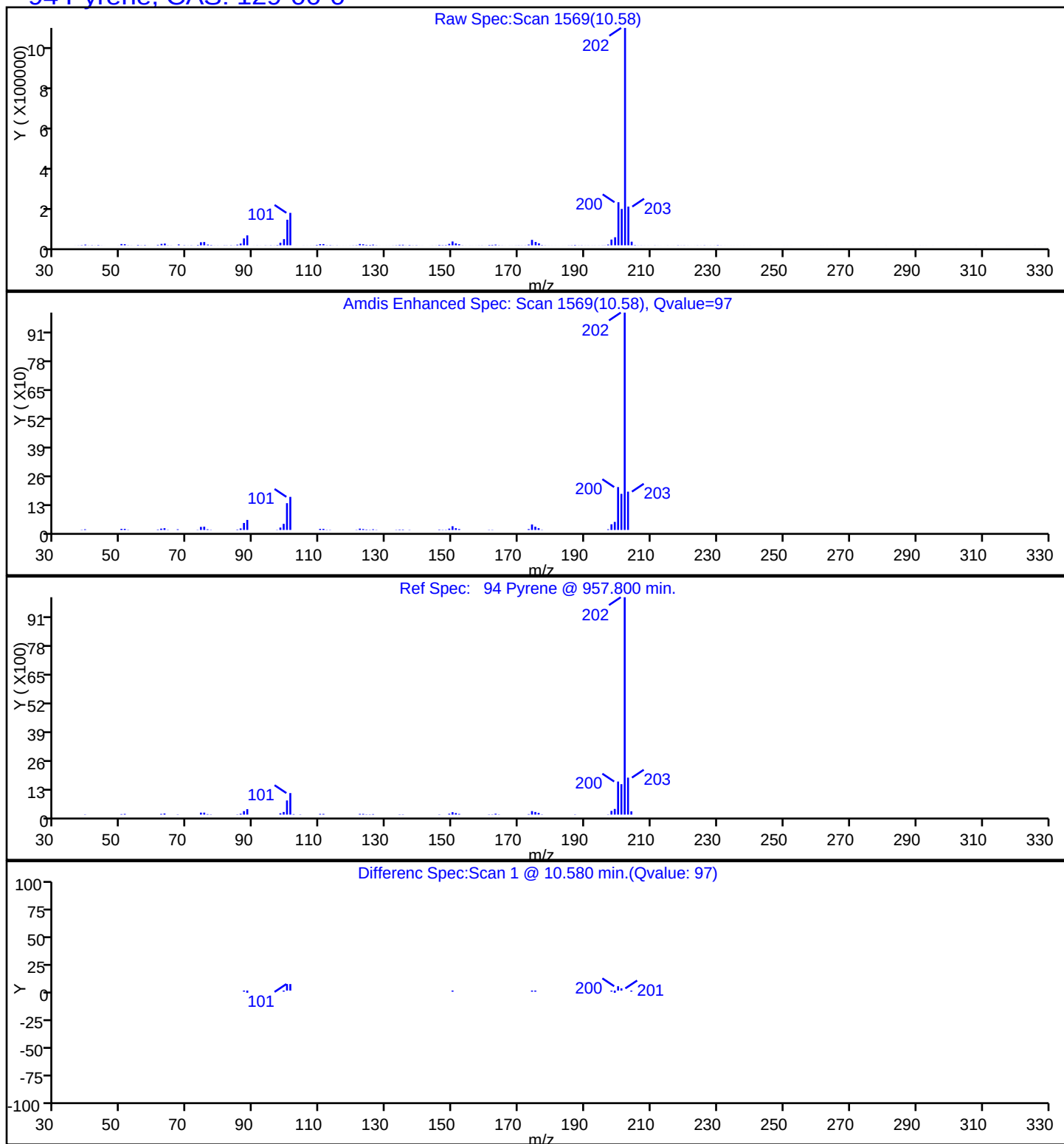
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

94 Pyrene, CAS: 129-00-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35654.D

Injection Date: 22-Aug-2015 14:07:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-8-A

Lab Sample ID: 460-99997-8

Client ID: ES-8

Operator ID:

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 1.0 ul

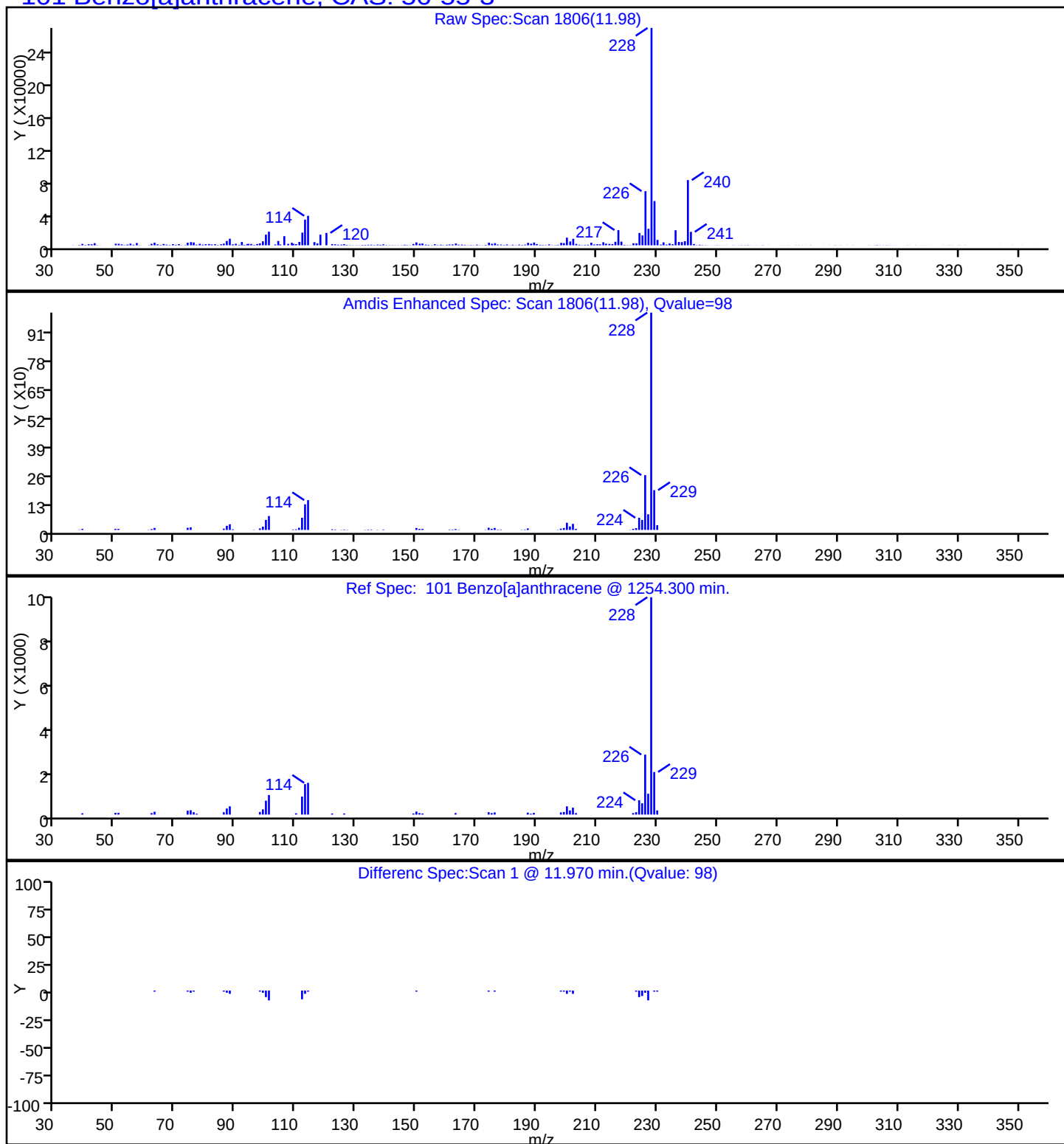
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

101 Benzo[a]anthracene, CAS: 56-55-3

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35654.D

Injection Date: 22-Aug-2015 14:07:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-8-A

Lab Sample ID: 460-99997-8

Client ID: ES-8

Operator ID:

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 1.0 ul

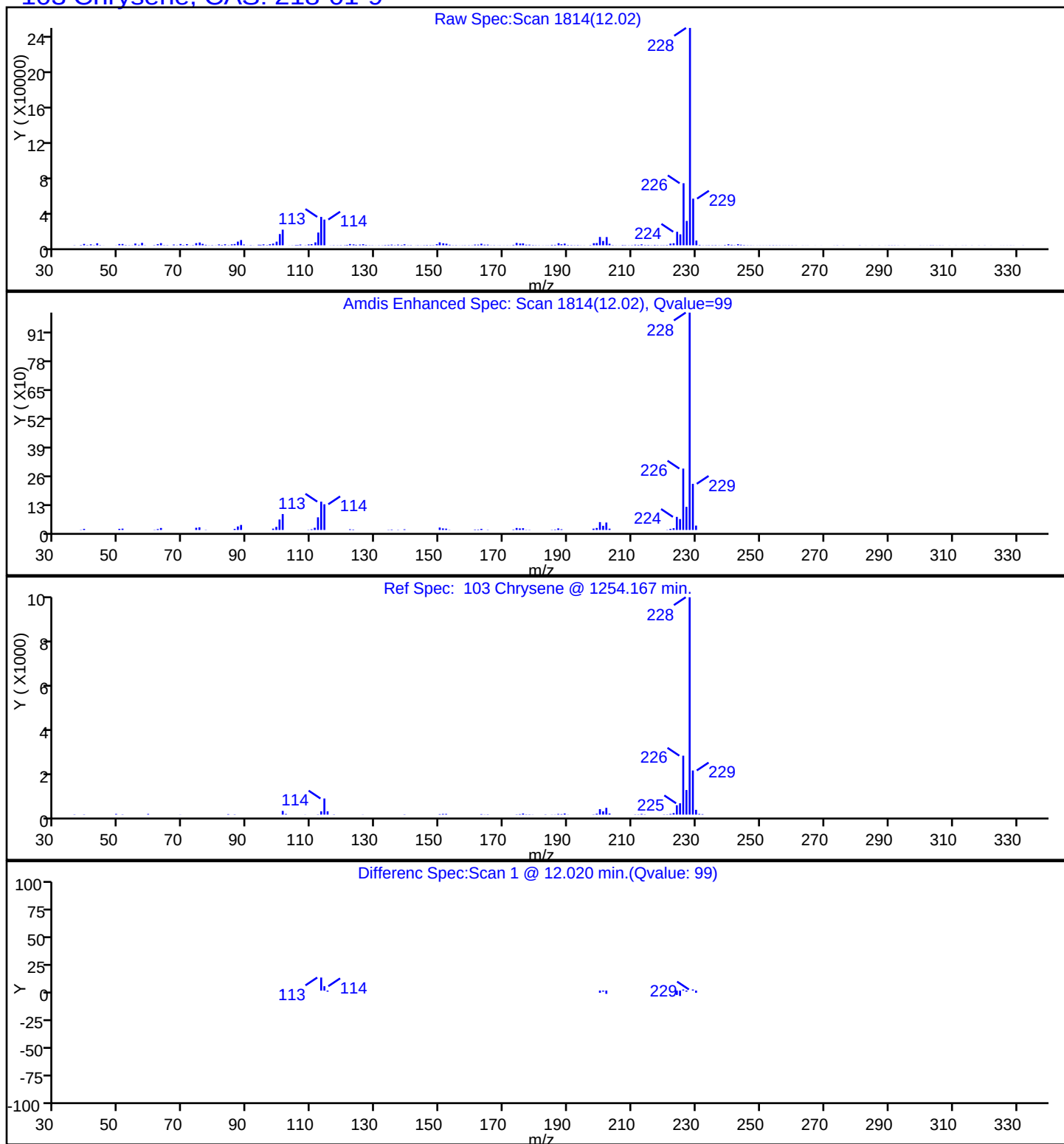
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

103 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35654.D

Injection Date: 22-Aug-2015 14:07:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-8-A

Lab Sample ID: 460-99997-8

Client ID: ES-8

Operator ID:

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 1.0 ul

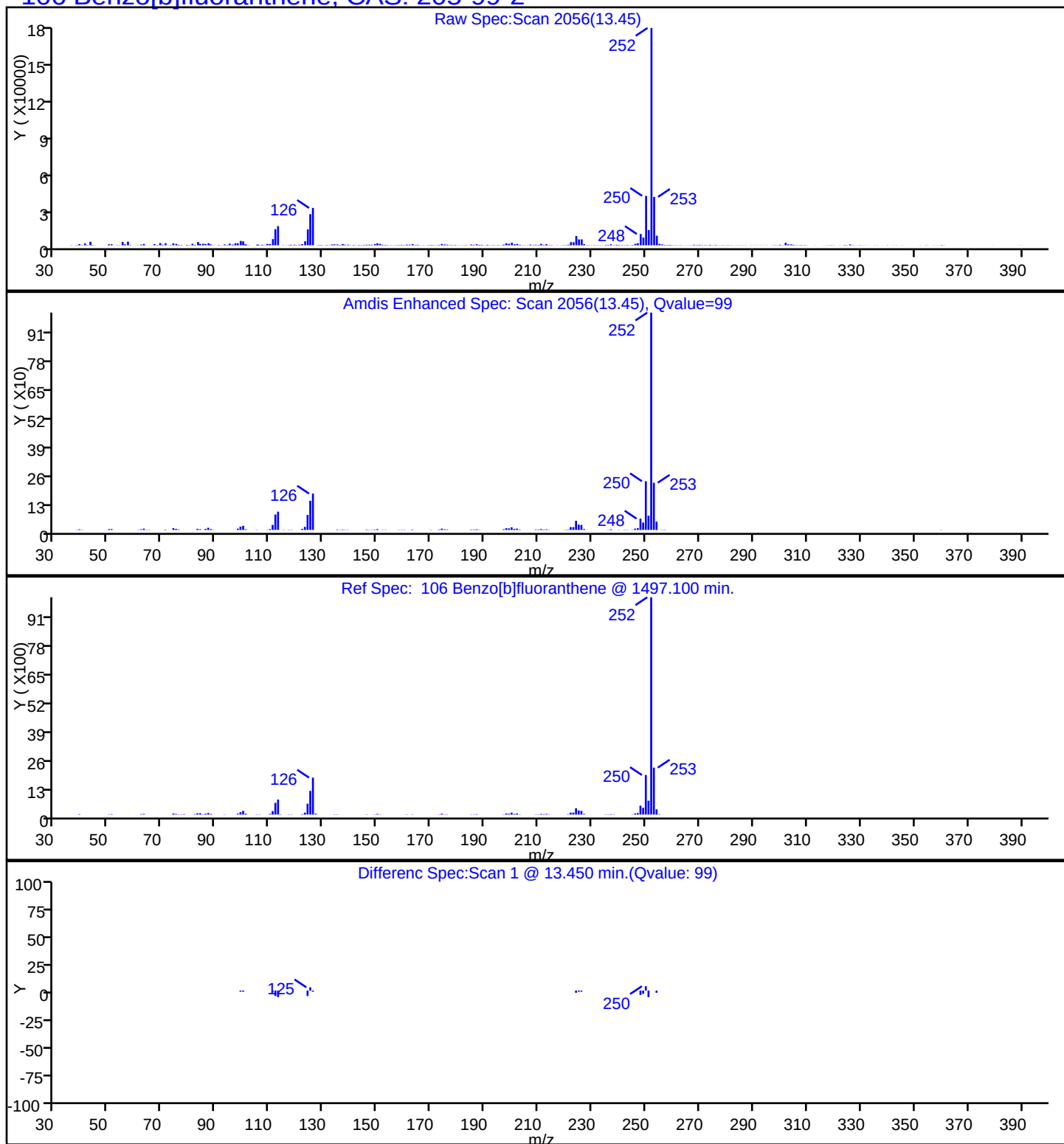
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

106 Benzo[b]fluoranthene, CAS: 205-99-2

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35654.D

Injection Date: 22-Aug-2015 14:07:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-8-A

Lab Sample ID: 460-99997-8

Client ID: ES-8

Operator ID:

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 1.0 ul

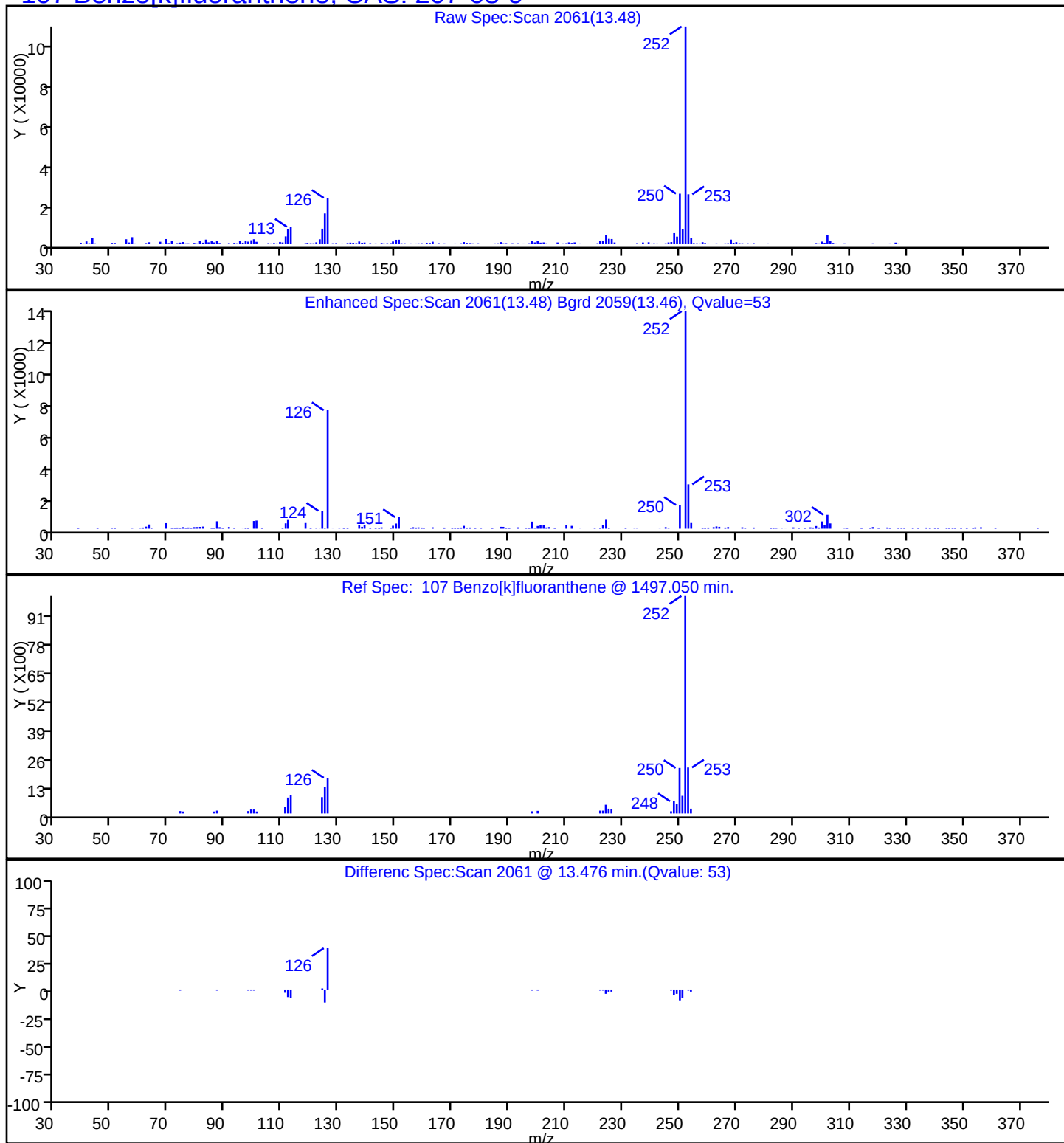
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

107 Benzo[k]fluoranthene, CAS: 207-08-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35654.D

Injection Date: 22-Aug-2015 14:07:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-8-A

Lab Sample ID: 460-99997-8

Client ID: ES-8

Operator ID:

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 1.0 ul

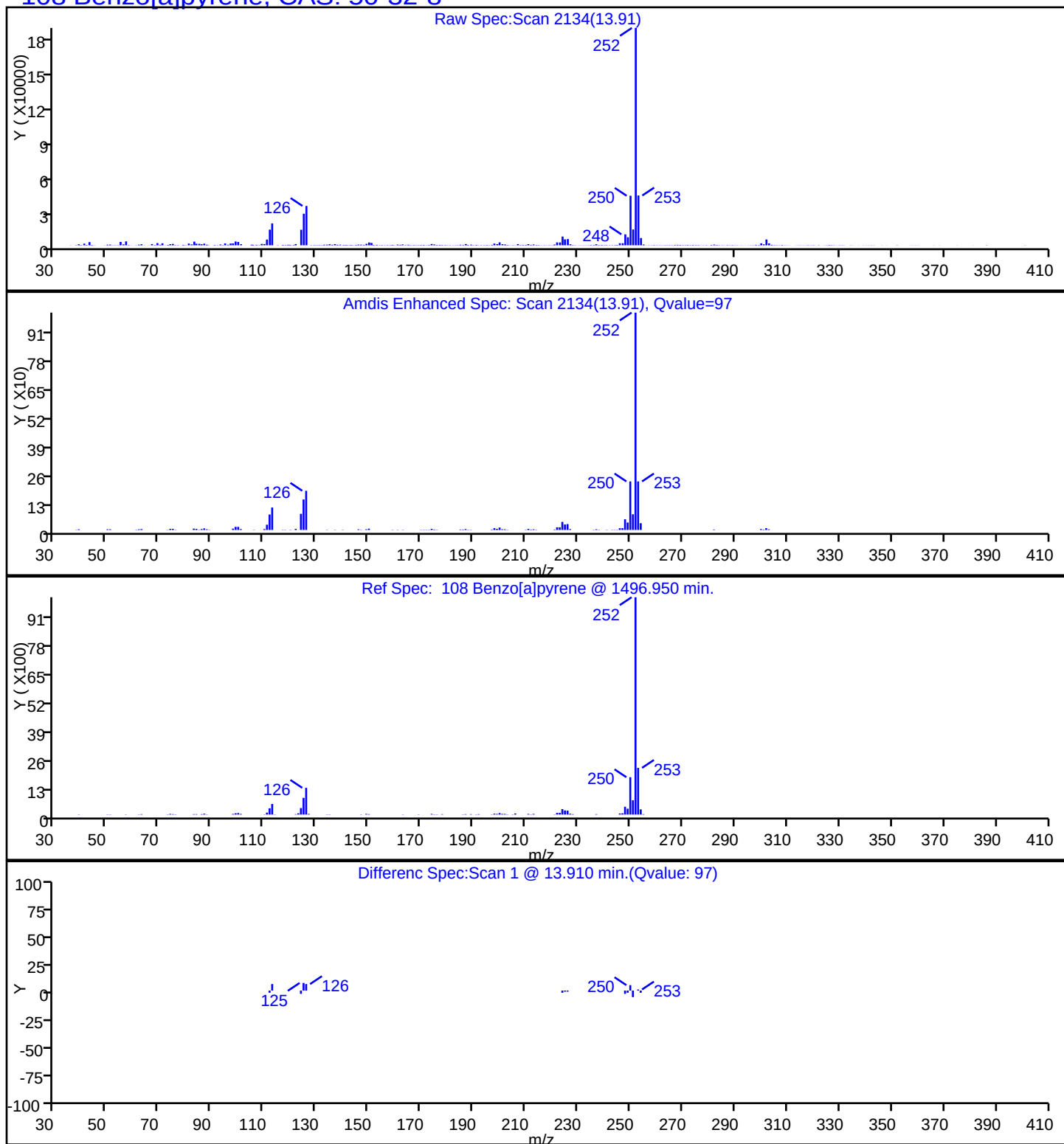
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

108 Benzo[a]pyrene, CAS: 50-32-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35654.D

Injection Date: 22-Aug-2015 14:07:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-8-A

Lab Sample ID: 460-99997-8

Client ID: ES-8

Operator ID:

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 1.0 ul

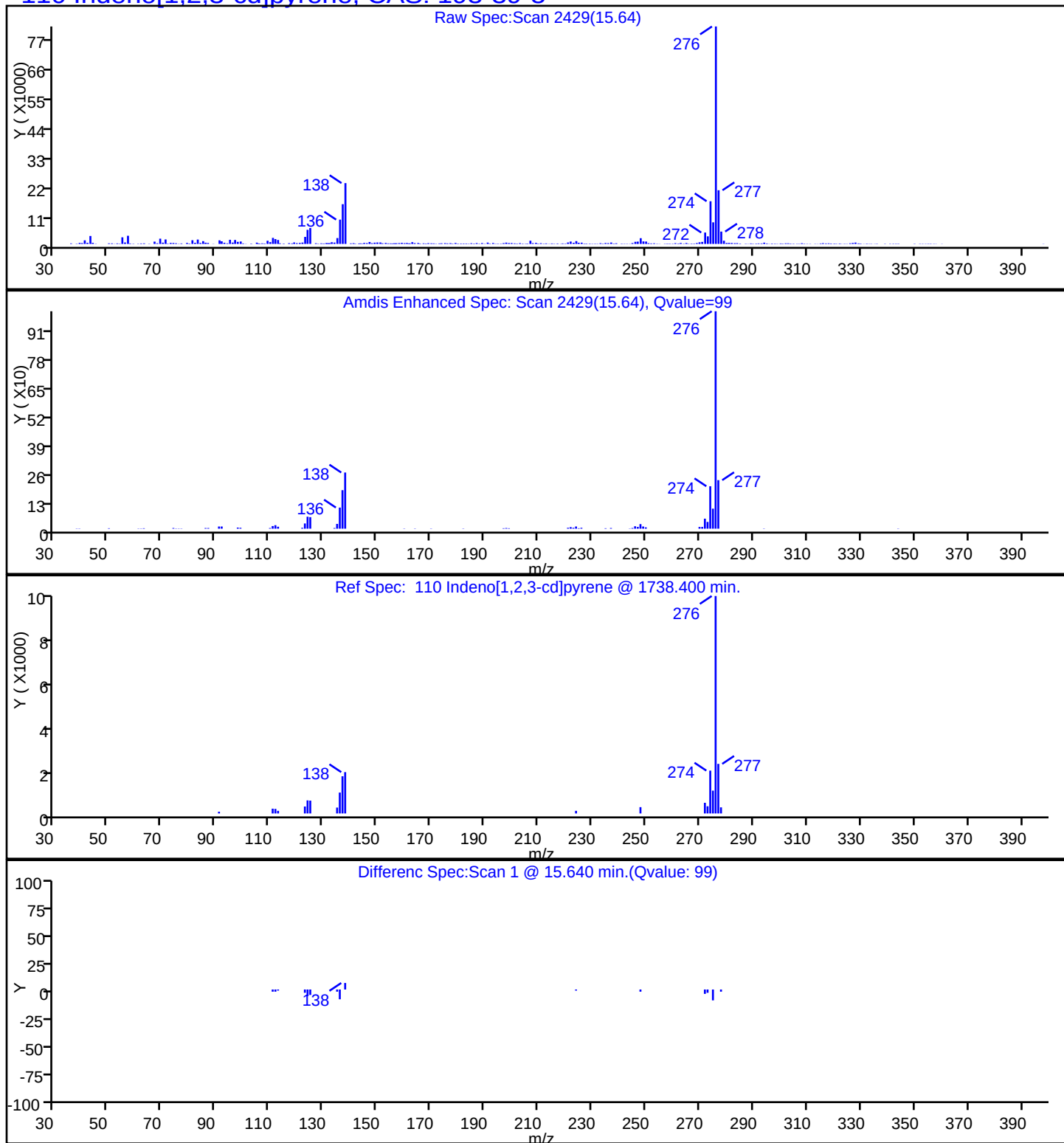
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35654.D

Injection Date: 22-Aug-2015 14:07:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-8-A

Lab Sample ID: 460-99997-8

Client ID: ES-8

Operator ID:

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 1.0 ul

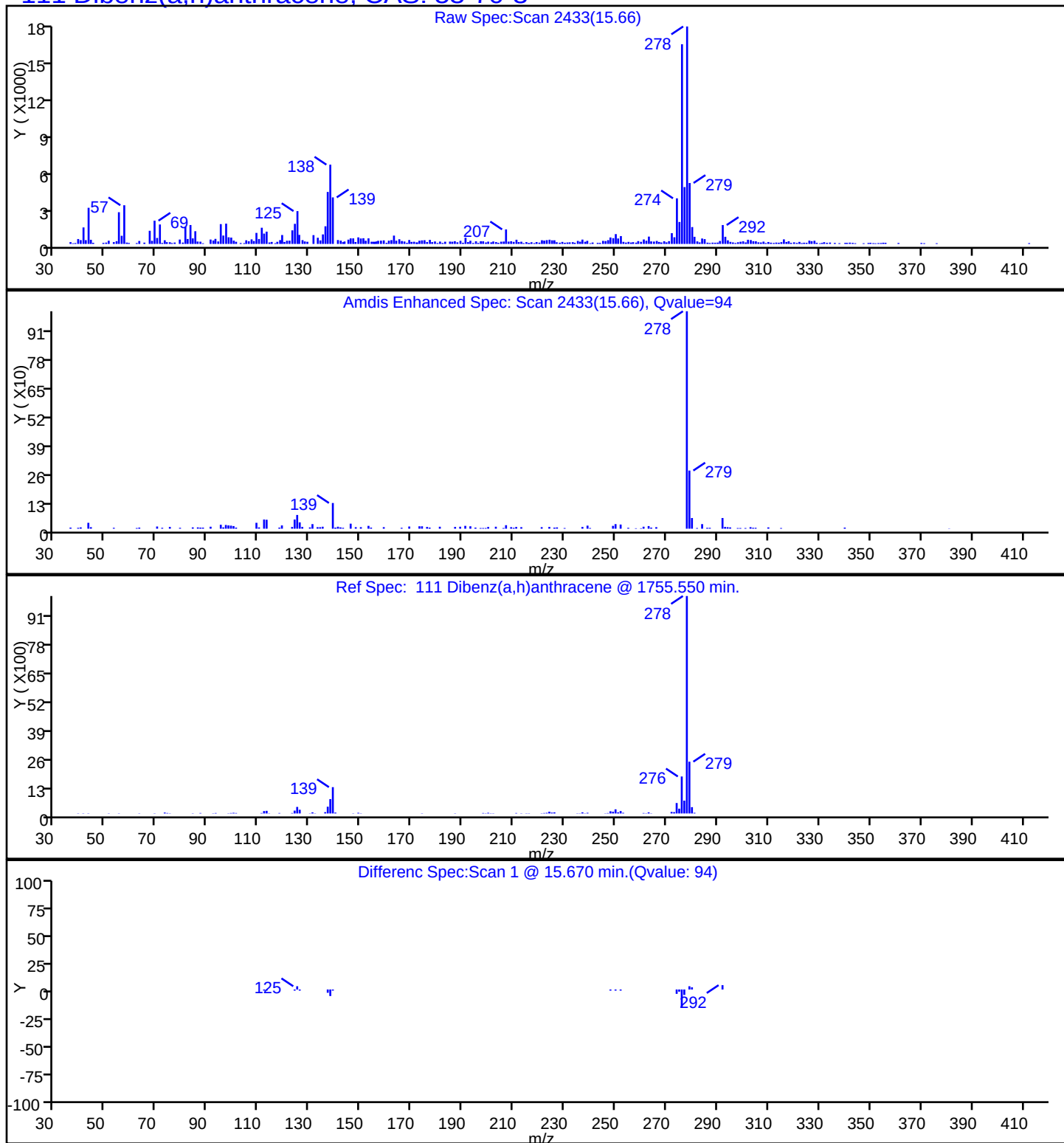
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

111 Dibenz(a,h)anthracene, CAS: 53-70-3

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35654.D

Injection Date: 22-Aug-2015 14:07:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-8-A

Lab Sample ID: 460-99997-8

Client ID: ES-8

Operator ID:

ALS Bottle#:

14

Worklist Smp#:

14

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

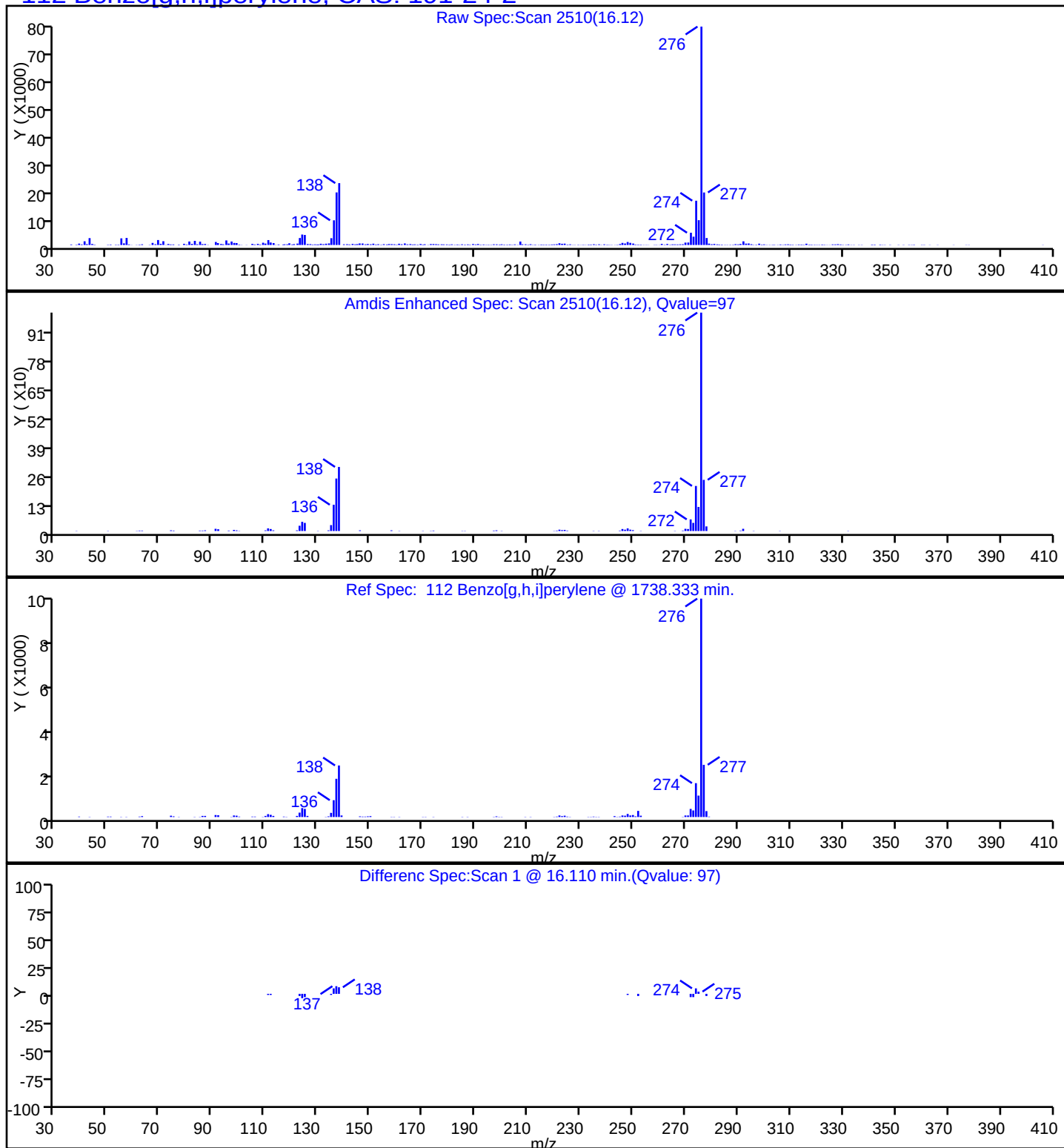
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

112 Benzo[g,h,i]perylene, CAS: 191-24-2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-9</u>	Lab Sample ID: <u>460-99997-9</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z35687.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>08/20/2015 11:20</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>08/21/2015 21:30</u>
Sample wt/vol: <u>15.0424(g)</u>	Date Analyzed: <u>08/24/2015 11:48</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>17.7</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318357</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.12	J	0.80	0.020
91-57-6	2-Methylnaphthalene	0.096	J	0.80	0.018
208-96-8	Acenaphthylene	0.021	U	0.80	0.021
83-32-9	Acenaphthene	0.46	J	0.80	0.019
86-73-7	Fluorene	0.25	J	0.80	0.017
85-01-8	Phenanthrene	7.0		0.80	0.021
120-12-7	Anthracene	1.6		0.80	0.076
206-44-0	Fluoranthene	7.2		0.80	0.024
129-00-0	Pyrene	4.6		0.80	0.036
56-55-3	Benzo[a]anthracene	2.3		0.080	0.067
218-01-9	Chrysene	2.5		0.80	0.022
205-99-2	Benzo[b]fluoranthene	2.2		0.080	0.031
207-08-9	Benzo[k]fluoranthene	0.87		0.080	0.035
50-32-8	Benzo[a]pyrene	1.7		0.080	0.024
193-39-5	Indeno[1,2,3-cd]pyrene	1.6		0.080	0.053
53-70-3	Dibenz(a,h)anthracene	0.43		0.080	0.042
191-24-2	Benzo[g,h,i]perylene	1.5		0.80	0.046

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	75		30-130
1718-51-0	Terphenyl-d14	77		30-130
321-60-8	2-Fluorobiphenyl	81		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35687.D
 Lims ID: 460-99997-E-9-A Lab Sample ID: 460-99997-9
 Client ID: ES-9
 Sample Type: Client
 Inject. Date: 24-Aug-2015 11:48:30 ALS Bottle#: 19 Worklist Smp#: 19
 Injection Vol: 1.0 ul Dil. Factor: 2.0000
 Sample Info: 460-0031030-019
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Aug-2015 16:14:40 Calib Date: 19-Aug-2015 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35546.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: szczecha

Date: 24-Aug-2015 16:22:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.506	3.318	0.188	93	171508	16.2	
\$ 6 Phenol-d5	99	4.265	4.242	0.023	86	204329	16.5	
* 14 1,4-Dichlorobenzene-d4	152	4.624	4.600	0.024	96	328961	40.0	
\$ 26 Nitrobenzene-d5	82	5.165	5.165	0.000	91	180429	18.7	
31 Isophorone	82	5.424	5.430	-0.006	98	1214161	77.7	
* 38 Naphthalene-d8	136	5.889	5.883	0.006	99	1088740	40.0	
39 Naphthalene	128	5.906	5.906	0.000	99	19240	0.7136	
44 2-Methylnaphthalene	142	6.594	6.600	-0.006	85	10505	0.5918	
\$ 51 2-Fluorobiphenyl	172	6.959	6.965	-0.006	98	345054	20.2	
* 65 Acenaphthene-d10	164	7.641	7.636	0.005	92	463484	40.0	
67 Acenaphthene	154	7.671	7.677	-0.006	94	39421	2.84	
71 Dibenzofuran	168	7.841	7.847	-0.006	96	46647	2.58	
74 Fluorene	166	8.183	8.183	0.000	98	21743	1.57	
\$ 80 2,4,6-Tribromophenol	330	8.418	8.424	-0.006	93	24025	16.7	
* 87 Phenanthrene-d10	188	9.112	9.112	0.000	99	530651	40.0	
88 Phenanthrene	178	9.135	9.135	0.000	97	658355	43.1	
89 Anthracene	178	9.183	9.188	-0.005	99	155389	10.1	
90 Carbazole	167	9.335	9.335	0.000	96	70868	5.68	
91 Di-n-butyl phthalate	149	9.671	9.665	0.006	70	2763	0.1964	
92 Fluoranthene	202	10.318	10.312	0.006	98	520976	44.3	
94 Pyrene	202	10.553	10.547	0.006	98	385370	28.5	
\$ 96 Terphenyl-d14	244	10.706	10.700	0.006	99	158433	19.2	
97 Butyl benzyl phthalate	149	11.247	11.241	0.006	96	40665	8.64	
101 Benzo[a]anthracene	228	11.947	11.935	0.012	98	117295	14.3	
* 102 Chrysene-d12	240	11.959	11.947	0.012	99	273806	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.965	11.953	0.012	89	15028	2.45	
103 Chrysene	228	11.988	11.988	0.000	99	112440	15.3	
106 Benzo[b]fluoranthene	252	13.412	13.400	0.012	98	115381	13.5	
107 Benzo[k]fluoranthene	252	13.447	13.441	0.006	27	46329	5.41	
108 Benzo[a]pyrene	252	13.870	13.865	0.005	97	79528	10.5	
* 109 Perylene-d12	264	13.953	13.941	0.012	97	284238	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.594	15.582	0.012	98	58783	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
111 Dibenz(a,h)anthracene	278	15.623	15.617	0.006	93	15512	2.64	
112 Benzo[g,h,i]perylene	276	16.064	16.053	0.011	96	56677	9.04	

Reagents:

SM_ISTD_00091

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35687.D

Injection Date: 24-Aug-2015 11:48:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: 460-99997-E-9-A

Lab Sample ID: 460-99997-9

Worklist Smp#: 19

Client ID: ES-9

Injection Vol: 1.0 ul

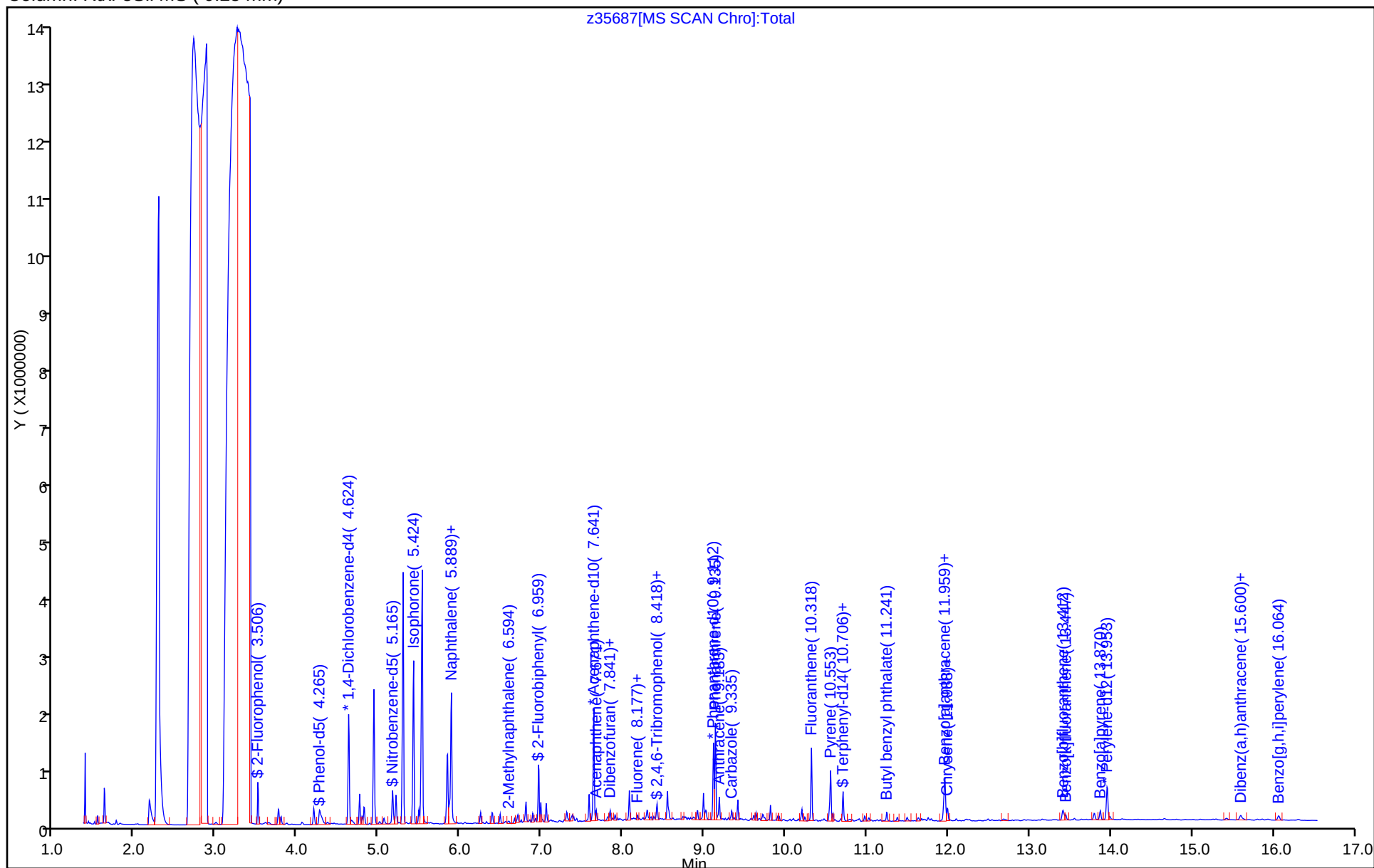
Dil. Factor: 2.0000

ALS Bottle#: 19

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35687.D

Injection Date: 24-Aug-2015 11:48:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-9-A

Lab Sample ID: 460-99997-9

Client ID: ES-9

Operator ID:

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 1.0 ul

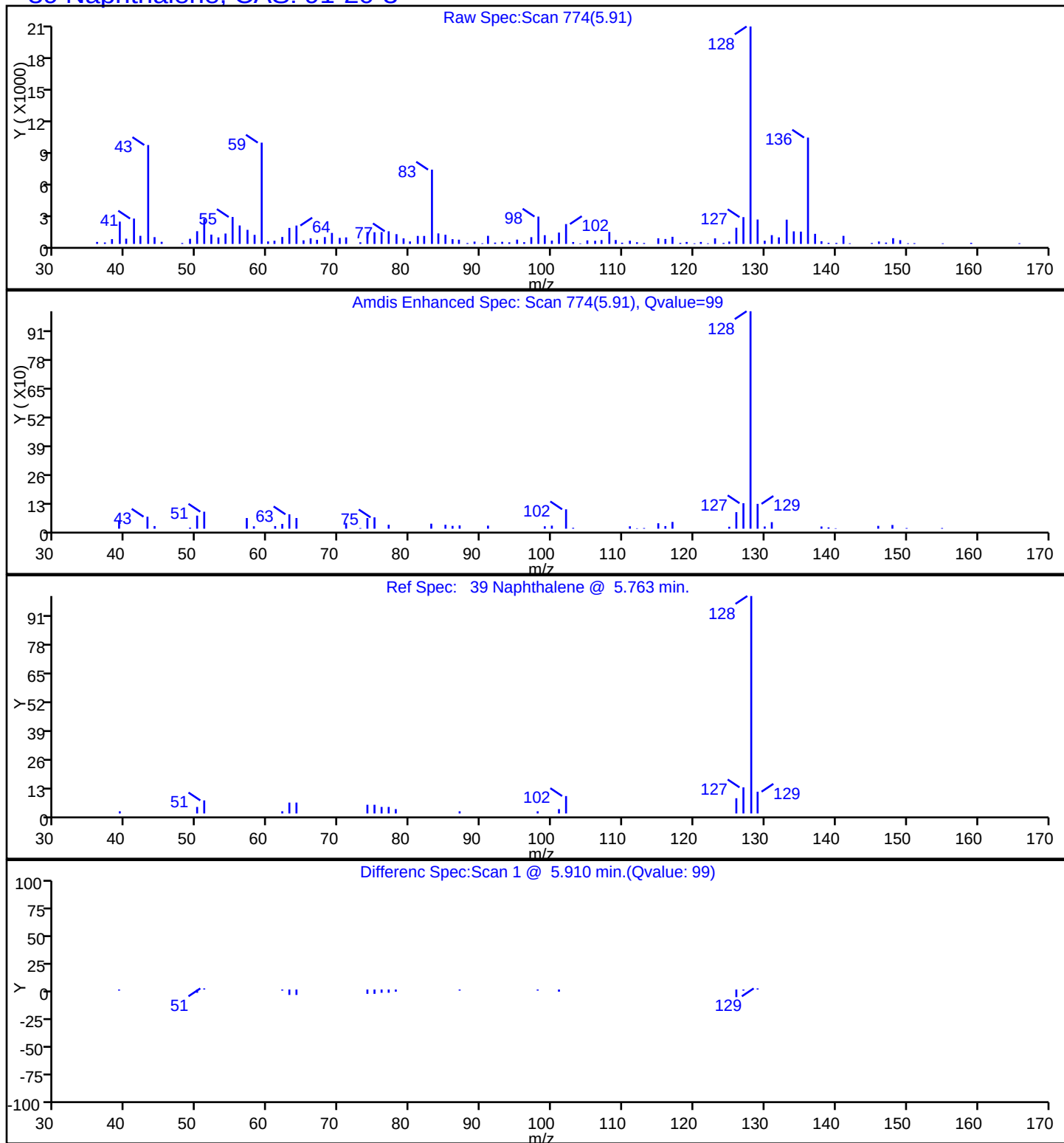
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

39 Naphthalene, CAS: 91-20-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35687.D

Injection Date: 24-Aug-2015 11:48:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-9-A

Lab Sample ID: 460-99997-9

Client ID: ES-9

Operator ID:

ALS Bottle#:

19

Worklist Smp#:

19

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_11R_9

Limit Group:

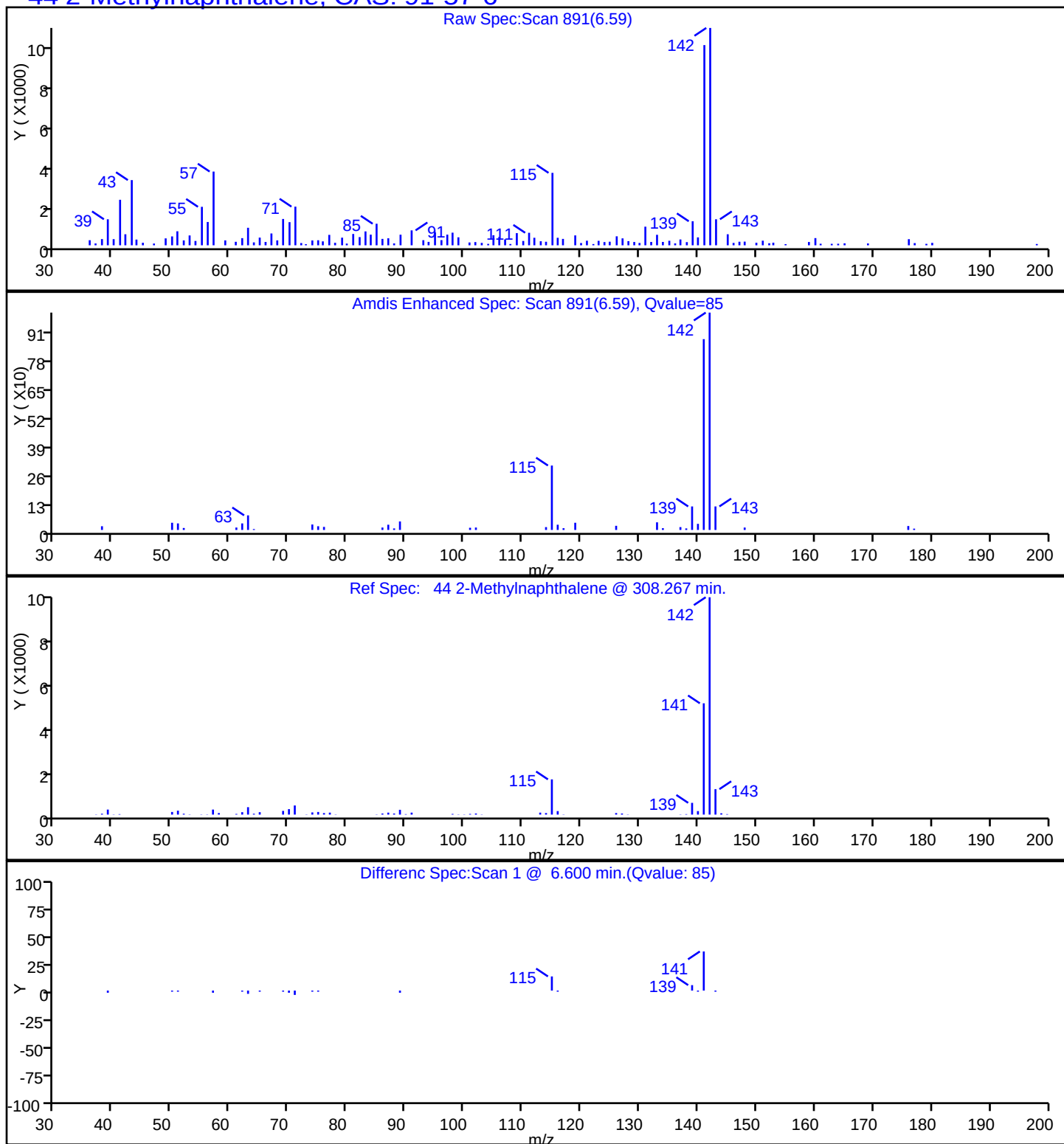
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

44 2-Methylnaphthalene, CAS: 91-57-6



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35687.D

Injection Date: 24-Aug-2015 11:48:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-9-A

Lab Sample ID: 460-99997-9

Client ID: ES-9

Operator ID:

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 1.0 ul

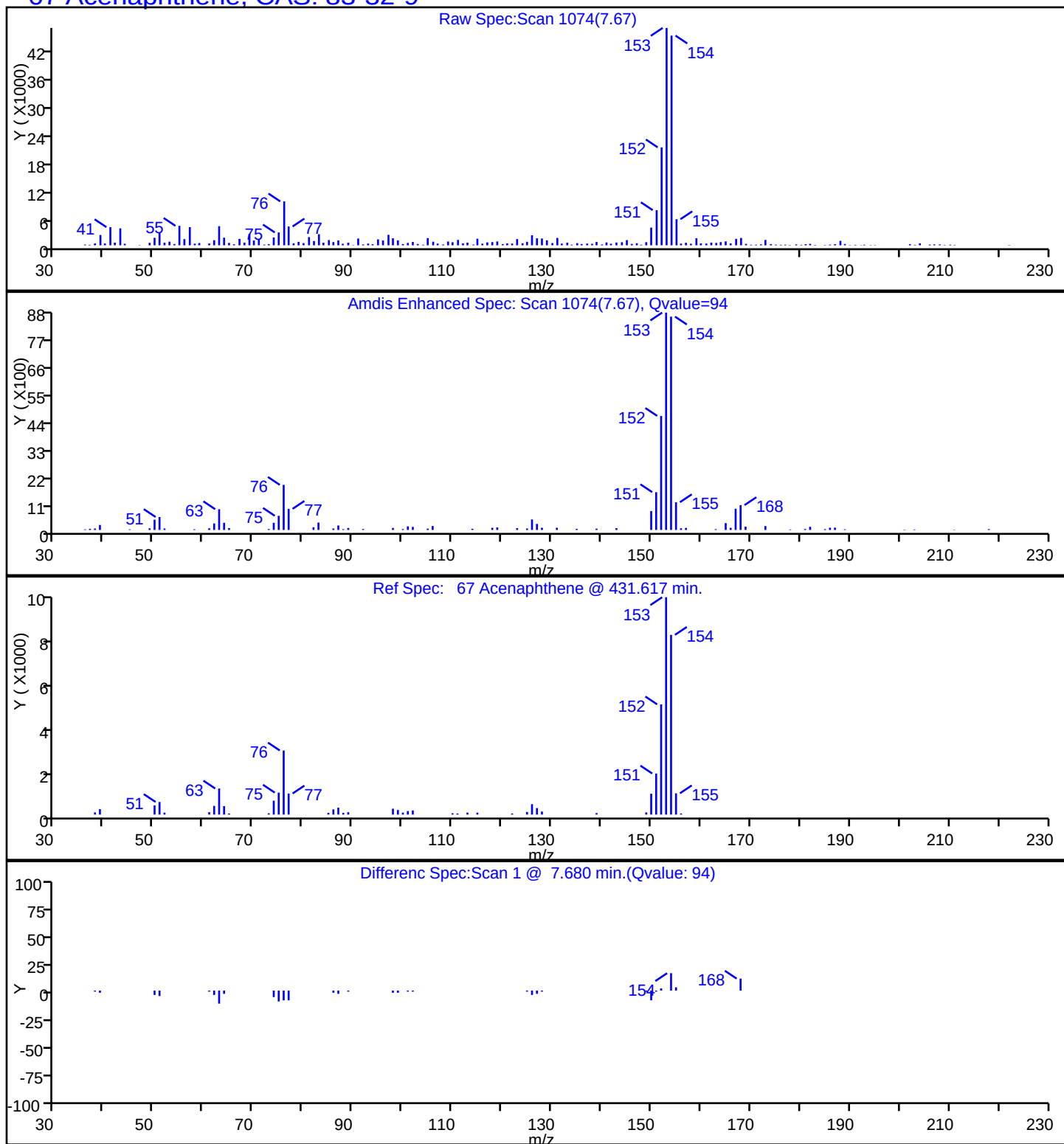
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

67 Acenaphthene, CAS: 83-32-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35687.D

Injection Date: 24-Aug-2015 11:48:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-9-A

Lab Sample ID: 460-99997-9

Client ID: ES-9

Operator ID:

ALS Bottle#:

19

Worklist Smp#:

19

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_11R_9

Limit Group:

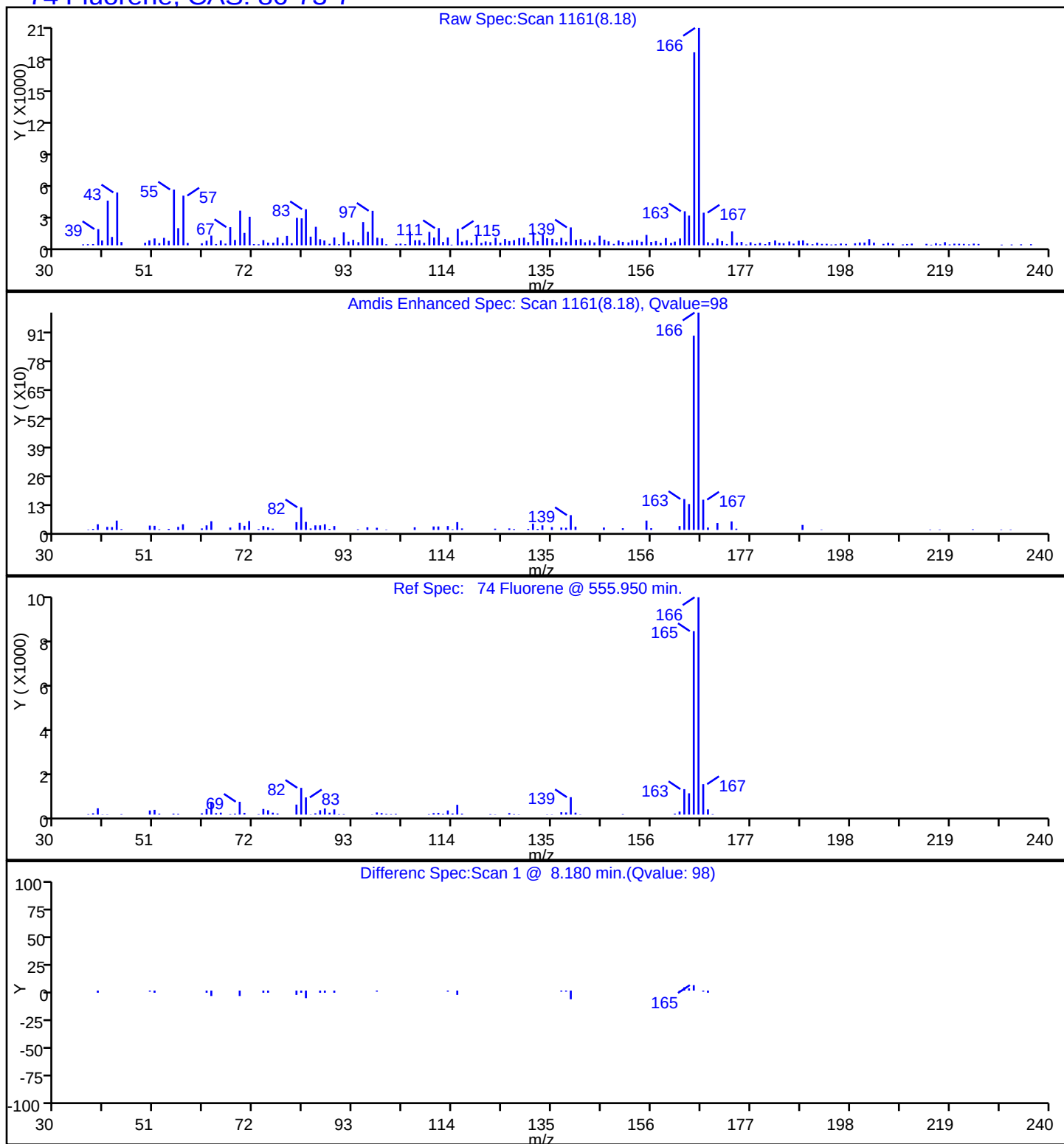
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

74 Fluorene, CAS: 86-73-7



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35687.D

Injection Date: 24-Aug-2015 11:48:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-9-A

Lab Sample ID: 460-99997-9

Client ID: ES-9

Operator ID:

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 1.0 ul

Dil. Factor: 2.0000

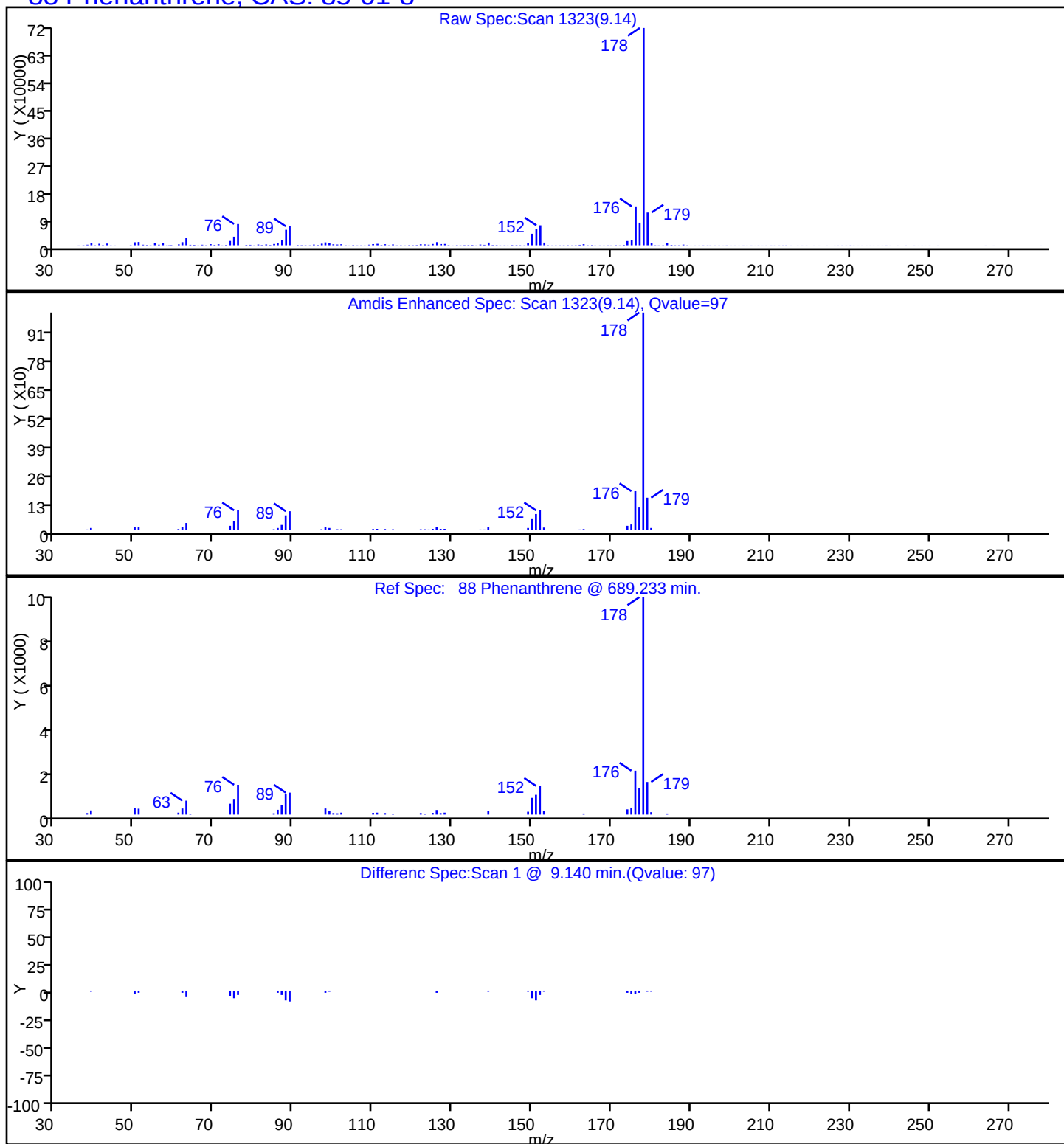
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

88 Phenanthrene, CAS: 85-01-8



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35687.D

Injection Date: 24-Aug-2015 11:48:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-9-A

Lab Sample ID: 460-99997-9

Client ID: ES-9

Operator ID:

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 1.0 ul

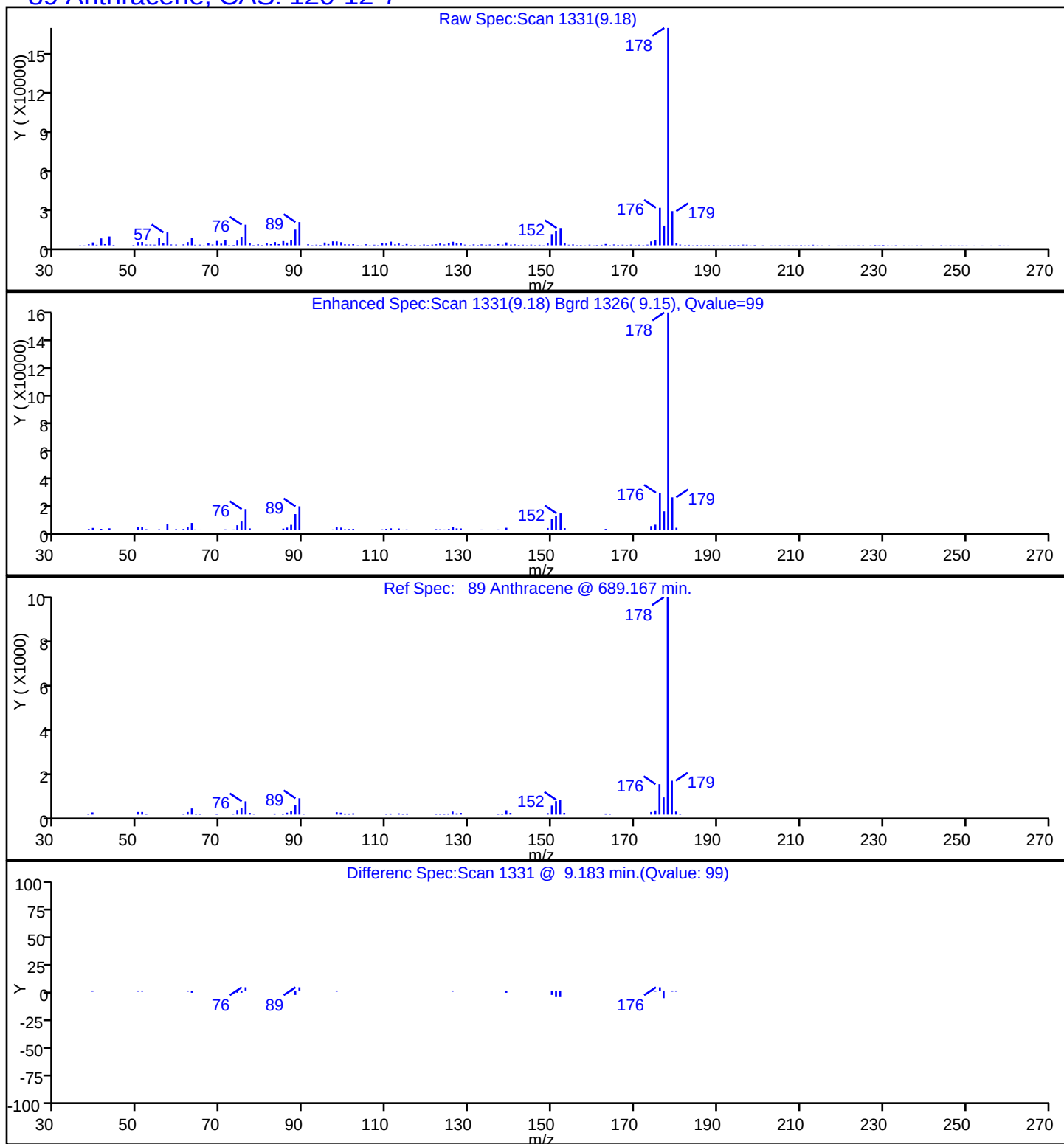
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

89 Anthracene, CAS: 120-12-7

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35687.D

Injection Date: 24-Aug-2015 11:48:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-9-A

Lab Sample ID: 460-99997-9

Client ID: ES-9

Operator ID:

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 1.0 ul

Dil. Factor: 2.0000

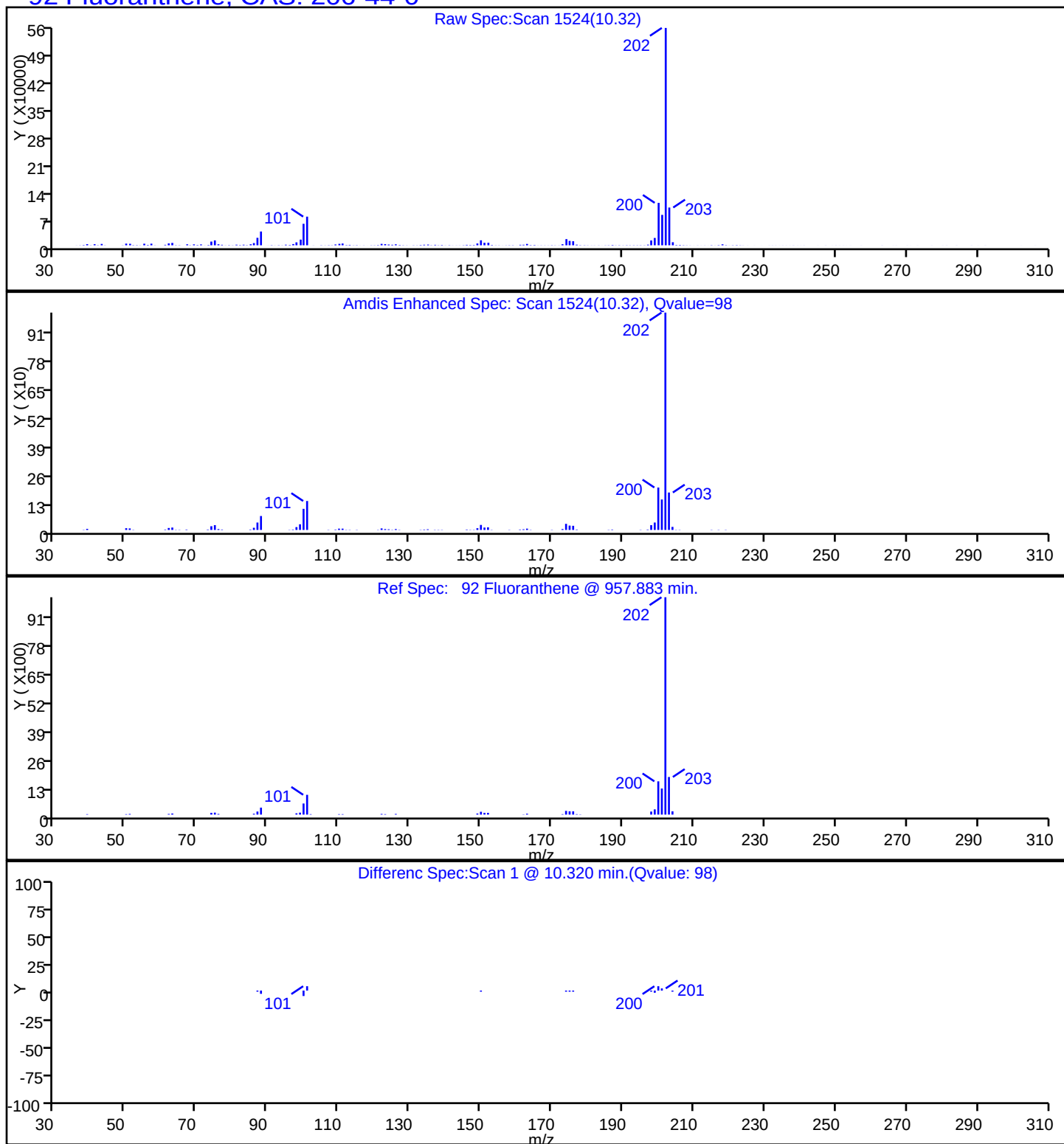
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

92 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35687.D

Injection Date: 24-Aug-2015 11:48:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-9-A

Lab Sample ID: 460-99997-9

Client ID: ES-9

Operator ID:

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 1.0 ul

Dil. Factor: 2.0000

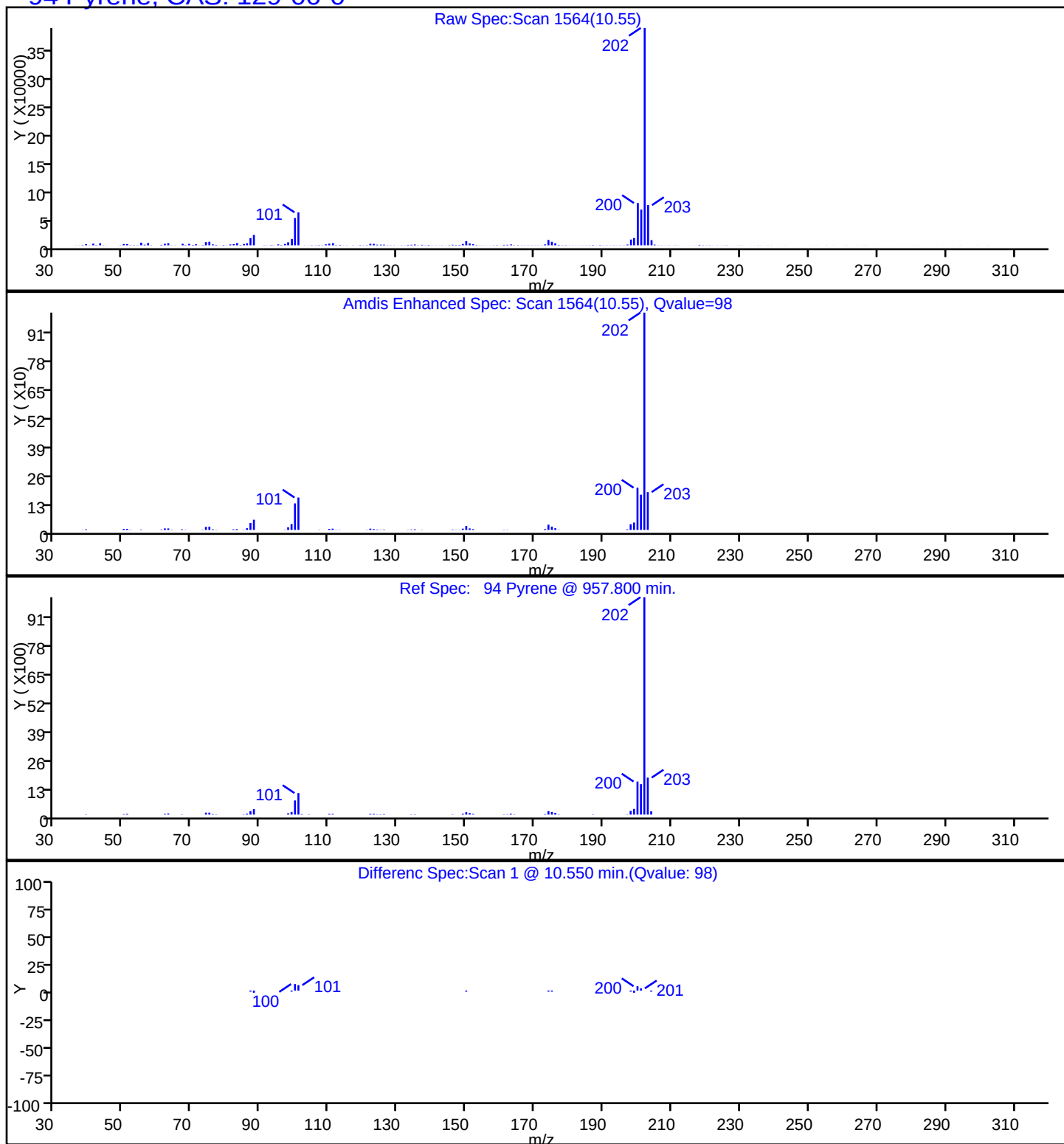
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

94 Pyrene, CAS: 129-00-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35687.D

Injection Date: 24-Aug-2015 11:48:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-9-A

Lab Sample ID: 460-99997-9

Client ID: ES-9

Operator ID:

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 1.0 ul

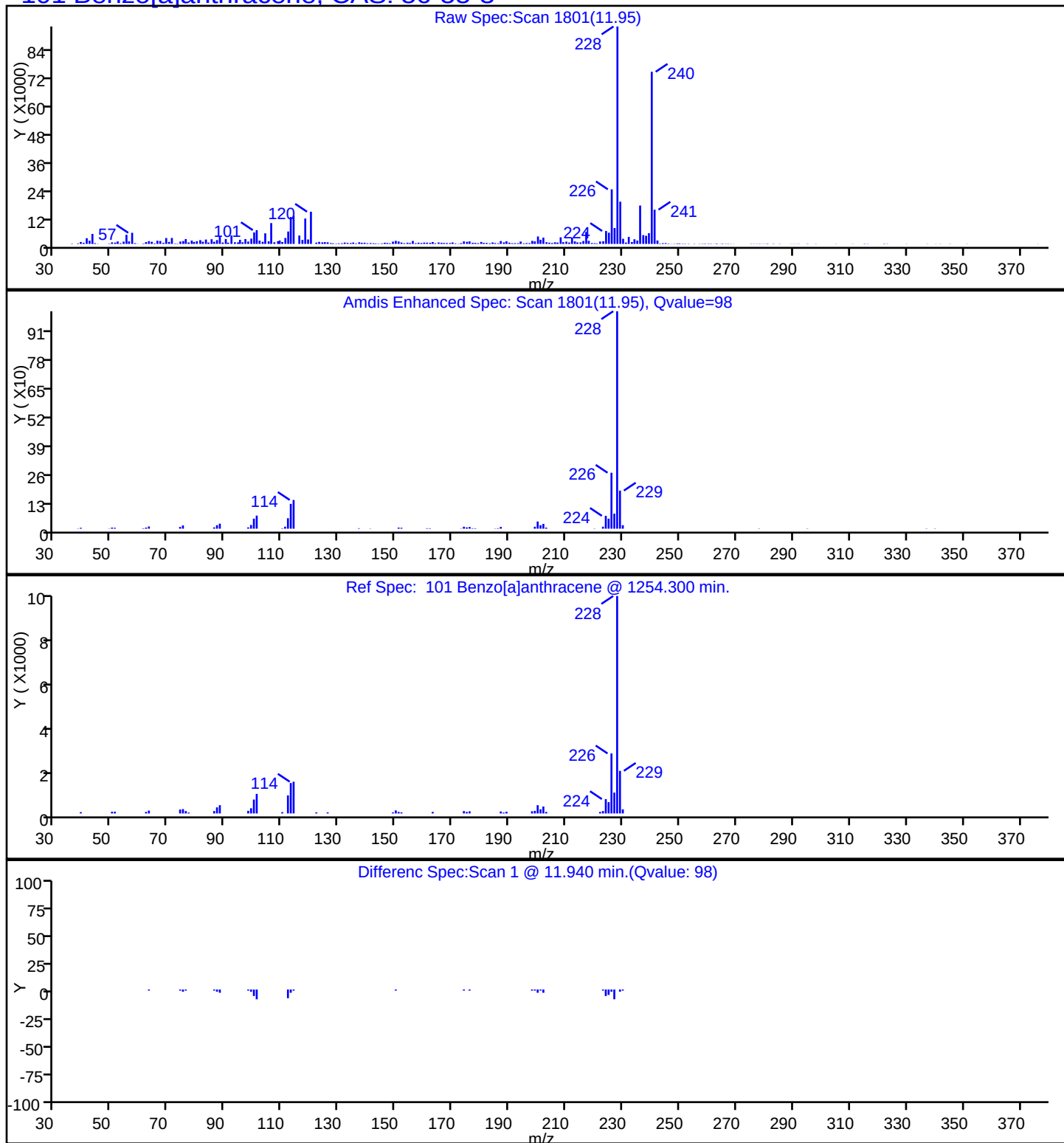
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

101 Benzo[a]anthracene, CAS: 56-55-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35687.D

Injection Date: 24-Aug-2015 11:48:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-9-A

Lab Sample ID: 460-99997-9

Client ID: ES-9

Operator ID:

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 1.0 ul

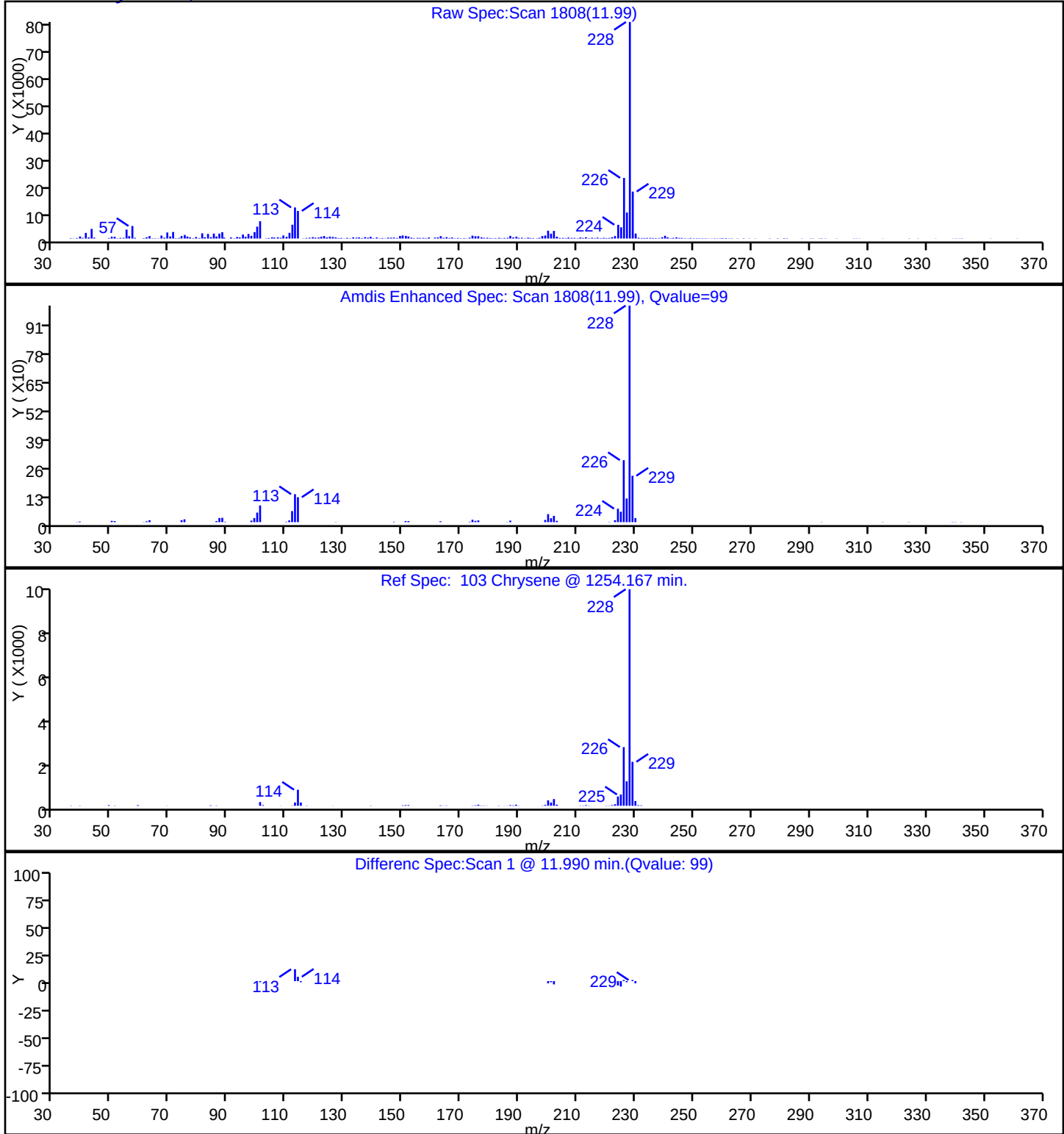
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

103 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35687.D

Injection Date: 24-Aug-2015 11:48:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-9-A

Lab Sample ID: 460-99997-9

Client ID: ES-9

Operator ID:

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 1.0 ul

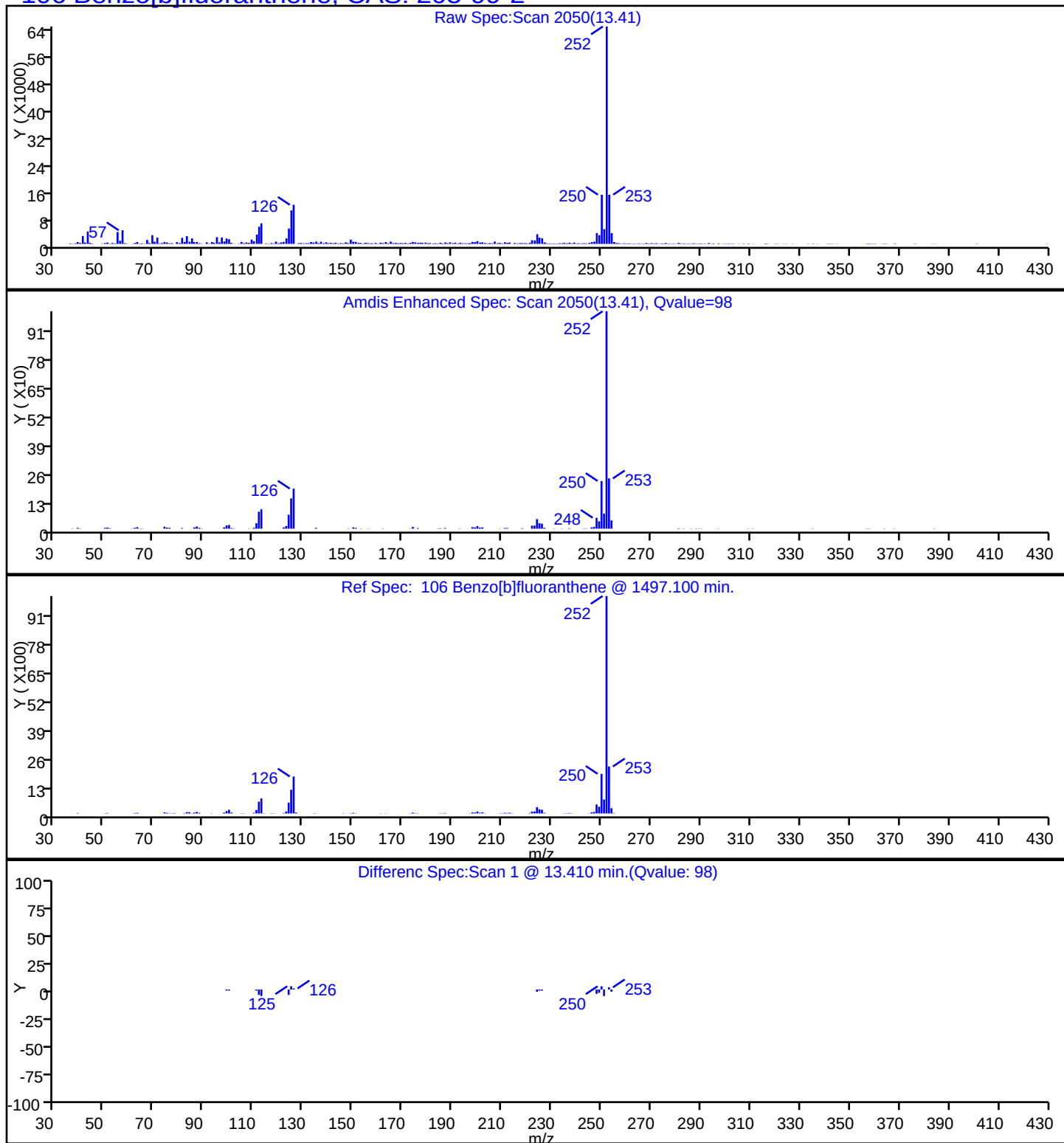
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

106 Benzo[b]fluoranthene, CAS: 205-99-2

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35687.D

Injection Date: 24-Aug-2015 11:48:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-9-A

Lab Sample ID: 460-99997-9

Client ID: ES-9

Operator ID:

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 1.0 ul

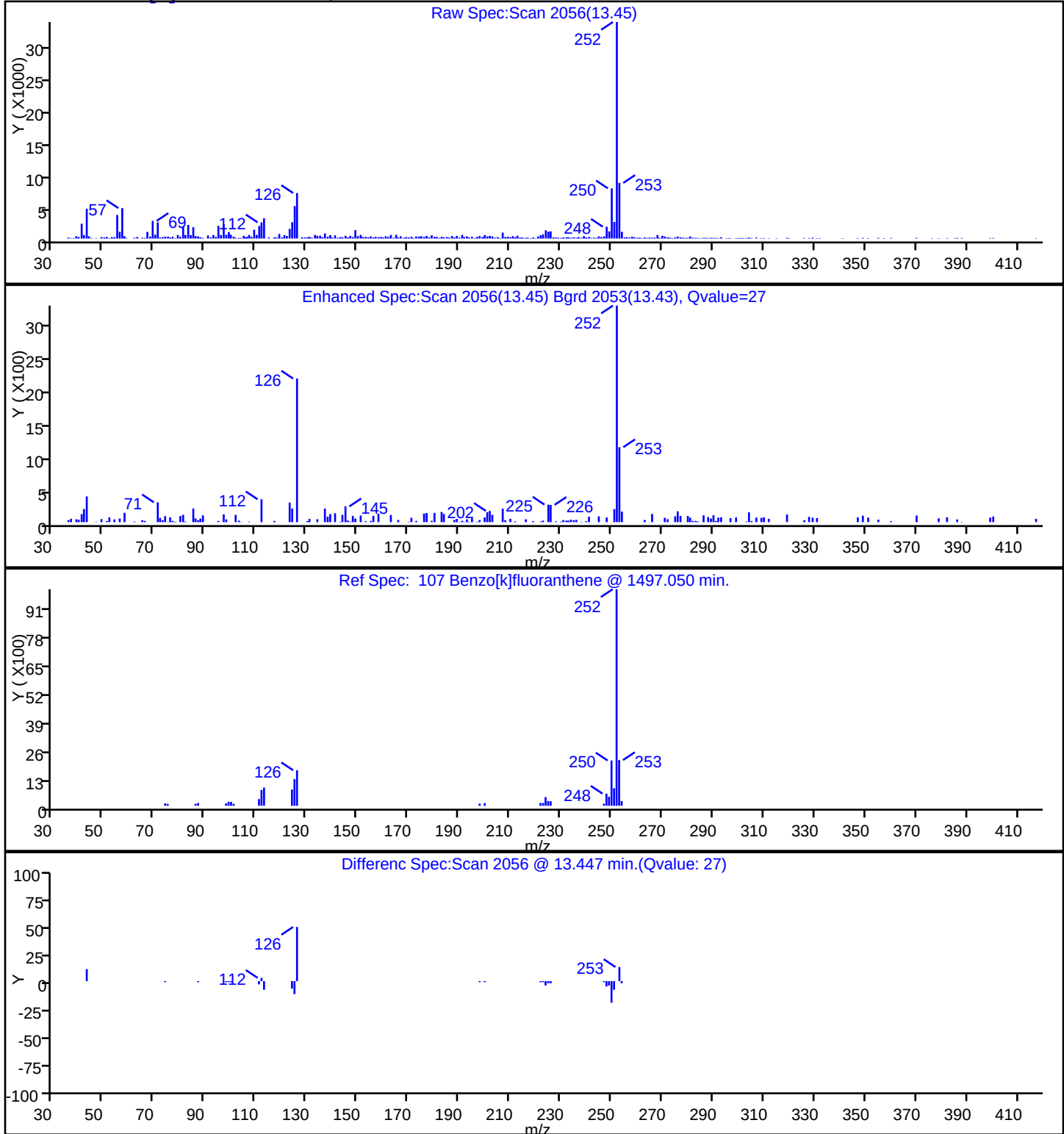
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

107 Benzo[k]fluoranthene, CAS: 207-08-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35687.D

Injection Date: 24-Aug-2015 11:48:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-9-A

Lab Sample ID: 460-99997-9

Client ID: ES-9

Operator ID:

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 1.0 ul

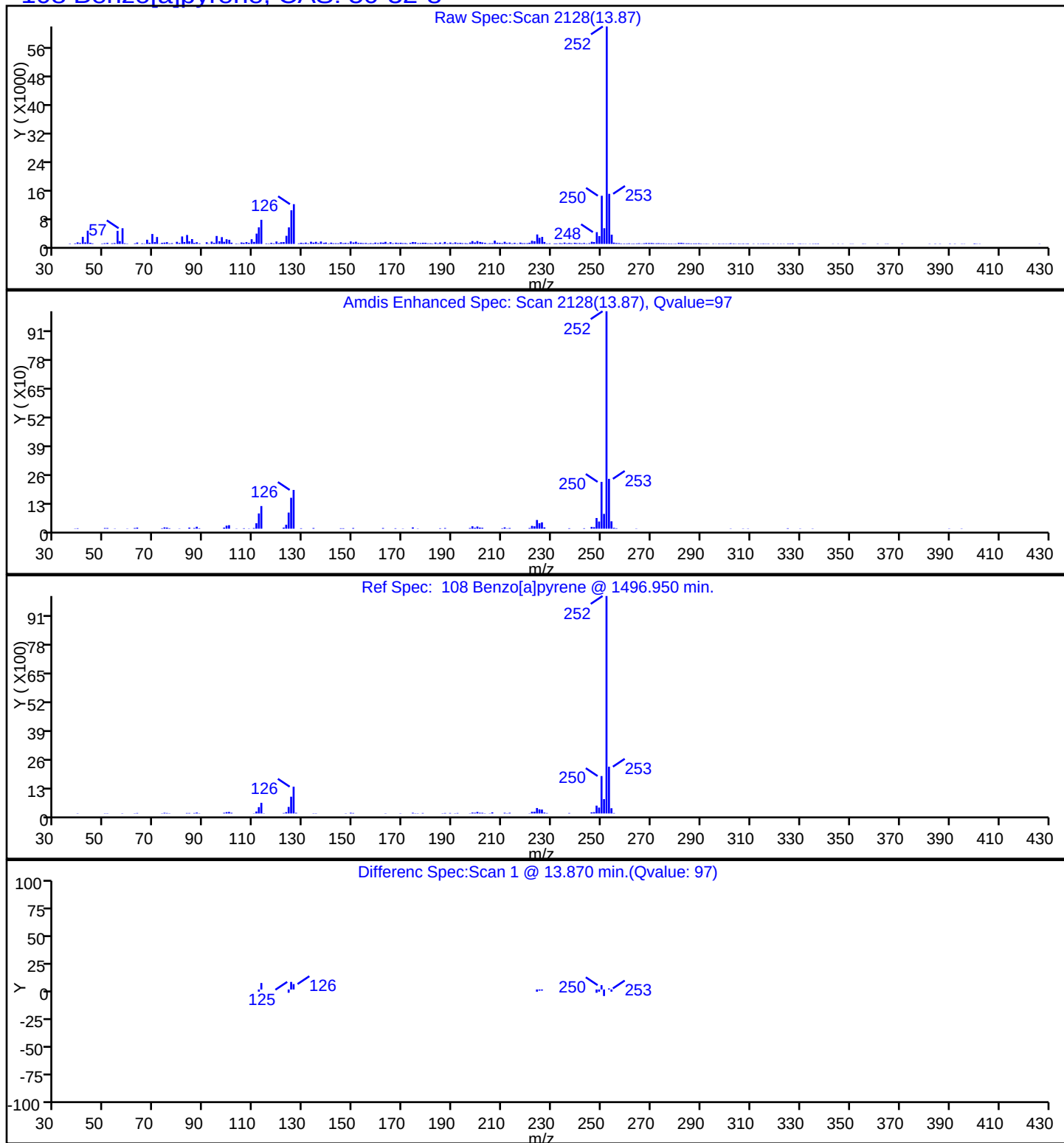
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

108 Benzo[a]pyrene, CAS: 50-32-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35687.D

Injection Date: 24-Aug-2015 11:48:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-9-A

Lab Sample ID: 460-99997-9

Client ID: ES-9

Operator ID:

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 1.0 ul

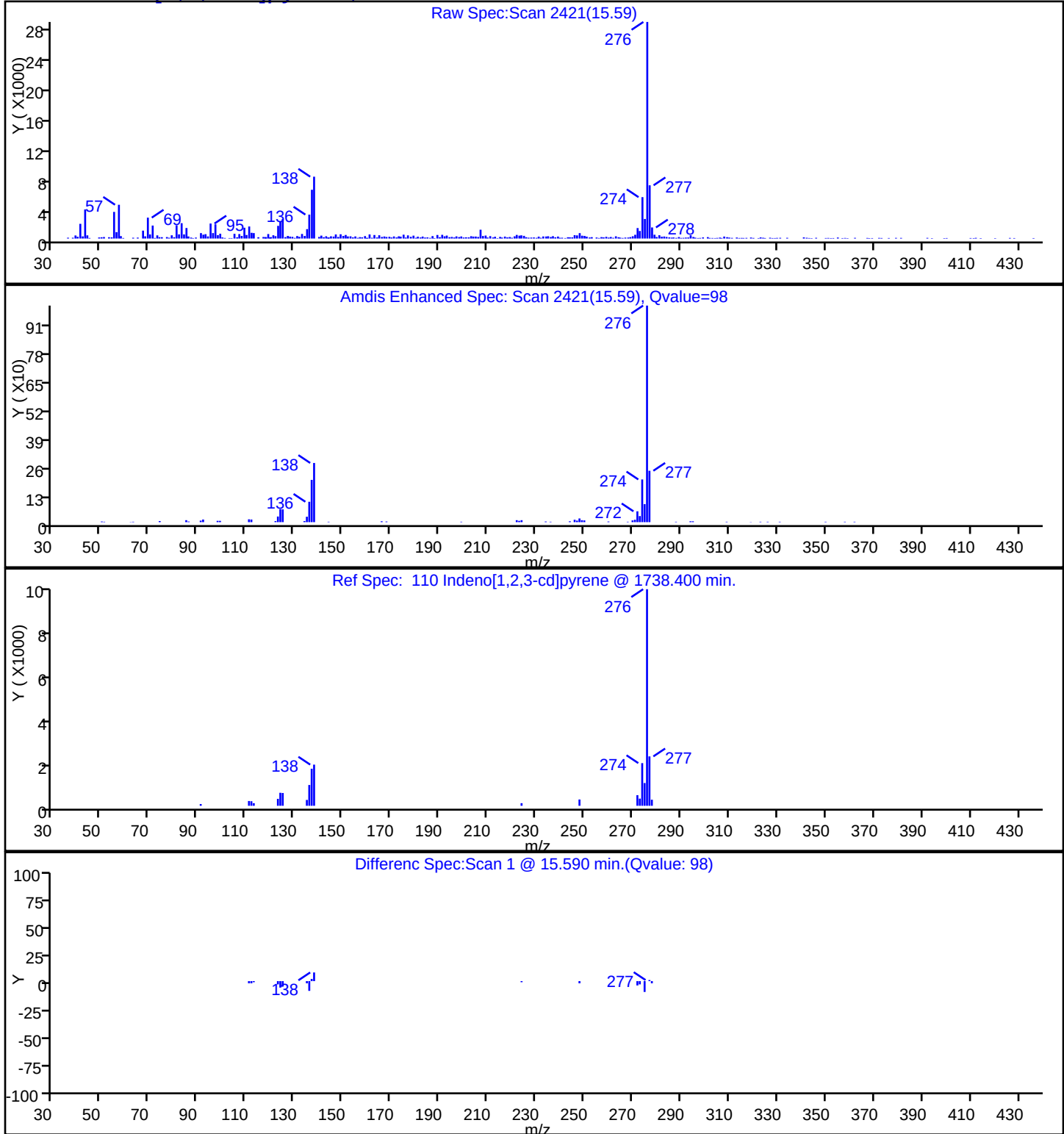
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35687.D

Injection Date: 24-Aug-2015 11:48:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-9-A

Lab Sample ID: 460-99997-9

Client ID: ES-9

Operator ID:

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 1.0 ul

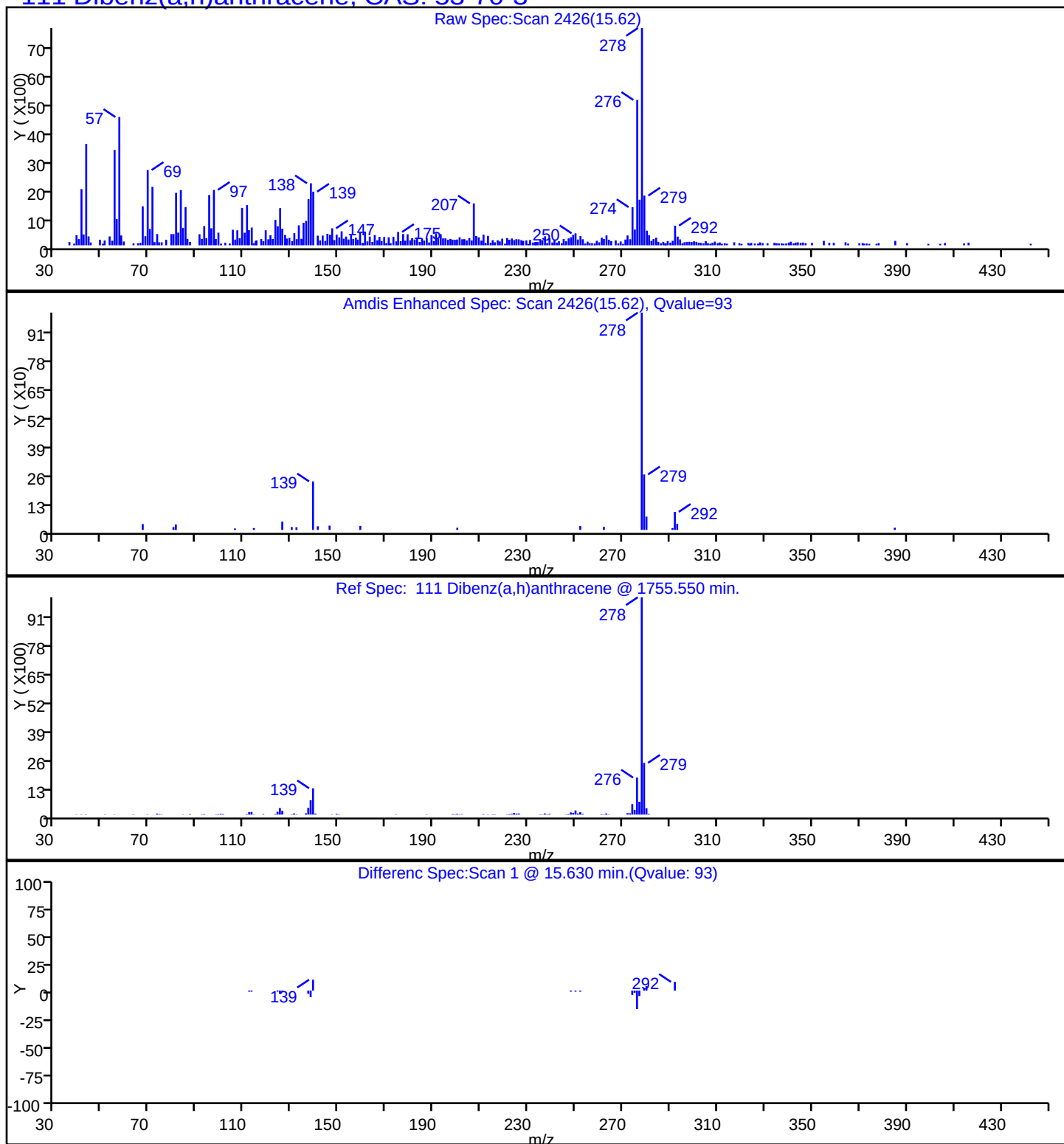
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

111 Dibenz(a,h)anthracene, CAS: 53-70-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35687.D

Injection Date: 24-Aug-2015 11:48:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-9-A

Lab Sample ID: 460-99997-9

Client ID: ES-9

Operator ID:

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 1.0 ul

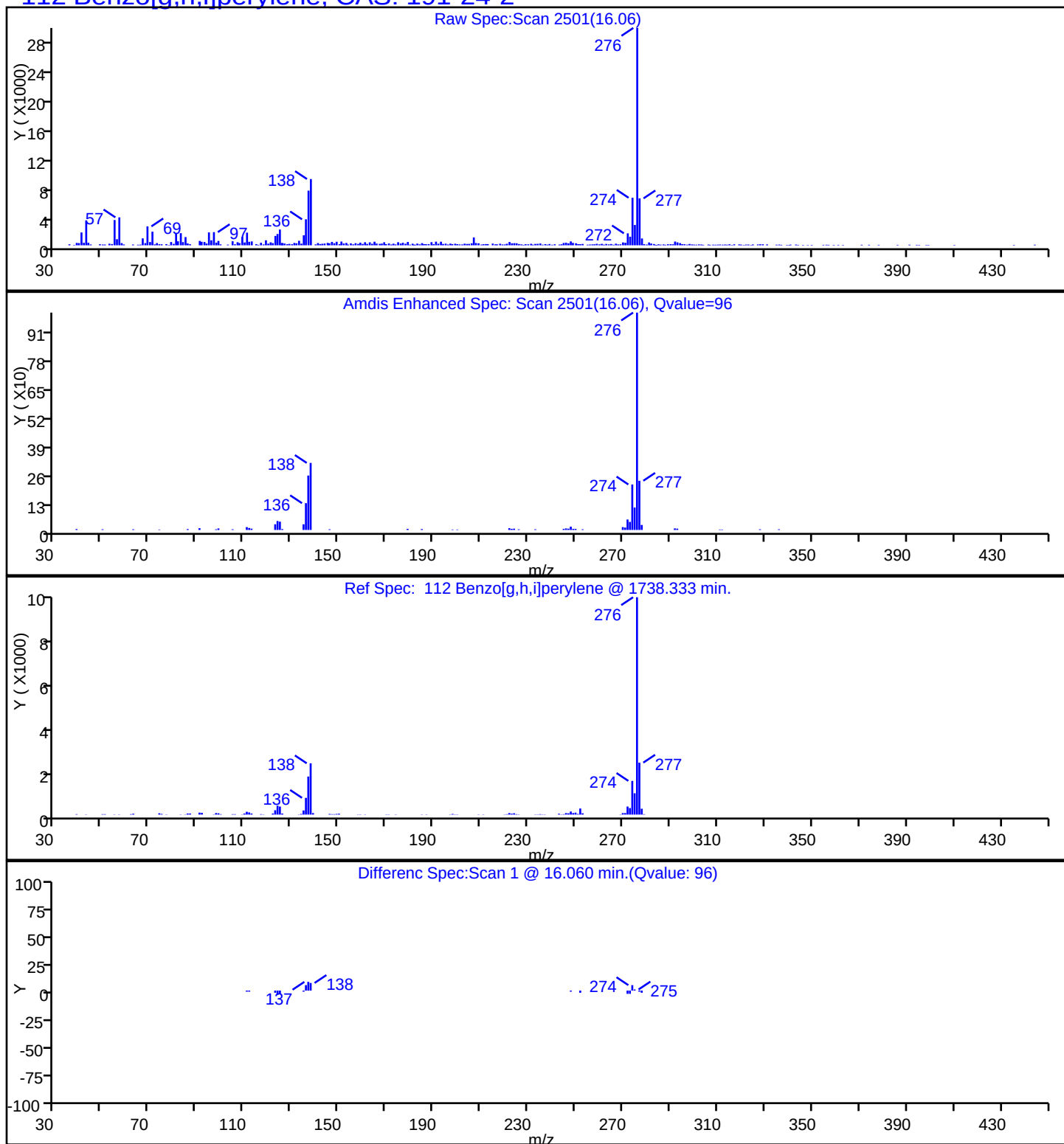
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

112 Benzo[g,h,i]perylene, CAS: 191-24-2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-10</u>	Lab Sample ID: <u>460-99997-10</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z35647.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>08/20/2015 11:35</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>08/21/2015 21:30</u>
Sample wt/vol: <u>15.0122(g)</u>	Date Analyzed: <u>08/22/2015 11:27</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>20.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318190</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.012	J	0.42	0.011
91-57-6	2-Methylnaphthalene	0.0092	U	0.42	0.0092
208-96-8	Acenaphthylene	0.011	U	0.42	0.011
83-32-9	Acenaphthene	0.024	J	0.42	0.010
86-73-7	Fluorene	0.030	J	0.42	0.0091
85-01-8	Phenanthrene	0.64		0.42	0.011
120-12-7	Anthracene	0.11	J	0.42	0.040
206-44-0	Fluoranthene	0.73		0.42	0.012
129-00-0	Pyrene	0.47		0.42	0.019
56-55-3	Benzo[a]anthracene	0.20		0.042	0.035
218-01-9	Chrysene	0.23	J	0.42	0.011
205-99-2	Benzo[b]fluoranthene	0.21		0.042	0.016
207-08-9	Benzo[k]fluoranthene	0.078		0.042	0.018
50-32-8	Benzo[a]pyrene	0.13		0.042	0.013
193-39-5	Indeno[1,2,3-cd]pyrene	0.079		0.042	0.028
53-70-3	Dibenz(a,h)anthracene	0.022	U	0.042	0.022
191-24-2	Benzo[g,h,i]perylene	0.062	J	0.42	0.024

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	83		30-130
1718-51-0	Terphenyl-d14	102		30-130
321-60-8	2-Fluorobiphenyl	85		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35647.D
 Lims ID: 460-99997-E-10-A Lab Sample ID: 460-99997-10
 Client ID: ES-10
 Sample Type: Client
 Inject. Date: 22-Aug-2015 11:27:30 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031003-007
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Aug-2015 10:04:54 Calib Date: 19-Aug-2015 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35546.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: szczecha

Date: 24-Aug-2015 10:05:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.495	3.336	0.158	96	494110	39.7	
\$ 6 Phenol-d5	99	4.265	4.259	0.006	86	622749	42.6	
* 14 1,4-Dichlorobenzene-d4	152	4.630	4.612	0.018	96	387722	40.0	
\$ 26 Nitrobenzene-d5	82	5.177	5.183	-0.006	91	536601	41.6	
31 Isophorone	82	5.424	5.453	-0.029	98	61312	2.93	
* 38 Naphthalene-d8	136	5.900	5.894	0.006	99	1458732	40.0	
39 Naphthalene	128	5.918	5.930	-0.012	98	4970	0.1376	
\$ 51 2-Fluorobiphenyl	172	6.983	6.983	-0.001	98	1180856	42.5	
* 65 Acenaphthene-d10	164	7.659	7.659	0.000	93	752111	40.0	
67 Acenaphthene	154	7.682	7.700	-0.018	94	6402	0.2845	
71 Dibenzofuran	168	7.853	7.871	-0.018	95	10908	0.3724	
74 Fluorene	166	8.194	8.206	-0.012	95	7977	0.3548	
\$ 80 2,4,6-Tribromophenol	330	8.435	8.447	-0.012	95	135505	58.0	
* 87 Phenanthrene-d10	188	9.129	9.129	0.000	99	1035193	40.0	
88 Phenanthrene	178	9.153	9.165	-0.012	97	225958	7.58	
89 Anthracene	178	9.200	9.212	-0.012	98	38970	1.30	
90 Carbazole	167	9.353	9.365	-0.012	95	20879	0.8574	
92 Fluoranthene	202	10.335	10.341	-0.006	98	200793	8.75	
94 Pyrene	202	10.571	10.576	-0.006	97	145679	5.56	
\$ 96 Terphenyl-d14	244	10.729	10.729	0.000	99	816824	51.2	
97 Butyl benzyl phthalate	149	11.265	11.271	-0.006	96	4515	0.4958	
101 Benzo[a]anthracene	228	11.965	11.976	-0.011	98	38343	2.42	
* 102 Chrysene-d12	240	11.982	11.982	0.000	99	530052	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.988	11.994	-0.006	80	3826	0.3225	
103 Chrysene	228	12.012	12.023	-0.011	99	39074	2.75	
106 Benzo[b]fluoranthene	252	13.435	13.447	-0.012	99	25762	2.47	
107 Benzo[k]fluoranthene	252	13.464	13.482	-0.018	98	9644	0.9261	
108 Benzo[a]pyrene	252	13.894	13.906	-0.012	96	13960	1.52	
* 109 Perylene-d12	264	13.982	13.982	0.000	97	345752	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.617	15.647	-0.030	98	6640	0.9443	
111 Dibenz(a,h)anthracene	278	15.653	15.676	-0.023	94	1485	0.2081	
112 Benzo[g,h,i]perylene	276	16.094	16.117	-0.023	95	5625	0.7375	

Reagents:

SM_ISTD_00091

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35647.D

Injection Date: 22-Aug-2015 11:27:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: 460-99997-E-10-A

Lab Sample ID: 460-99997-10

Worklist Smp#: 7

Client ID: ES-10

Injection Vol: 1.0 ul

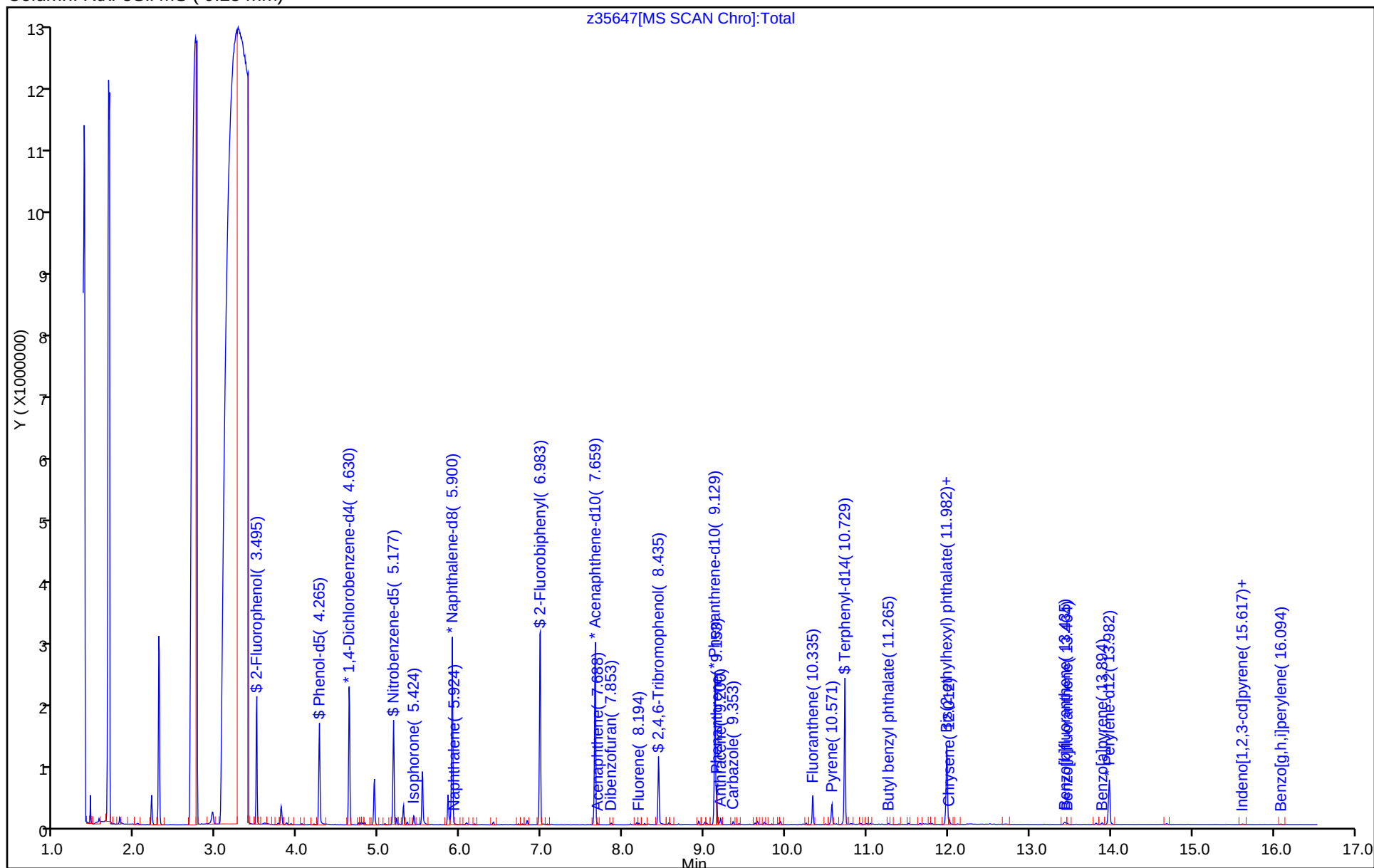
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35647.D

Injection Date: 22-Aug-2015 11:27:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-10-A

Lab Sample ID: 460-99997-10

Client ID: ES-10

Operator ID:

ALS Bottle#:

7

Worklist Smp#:

7

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

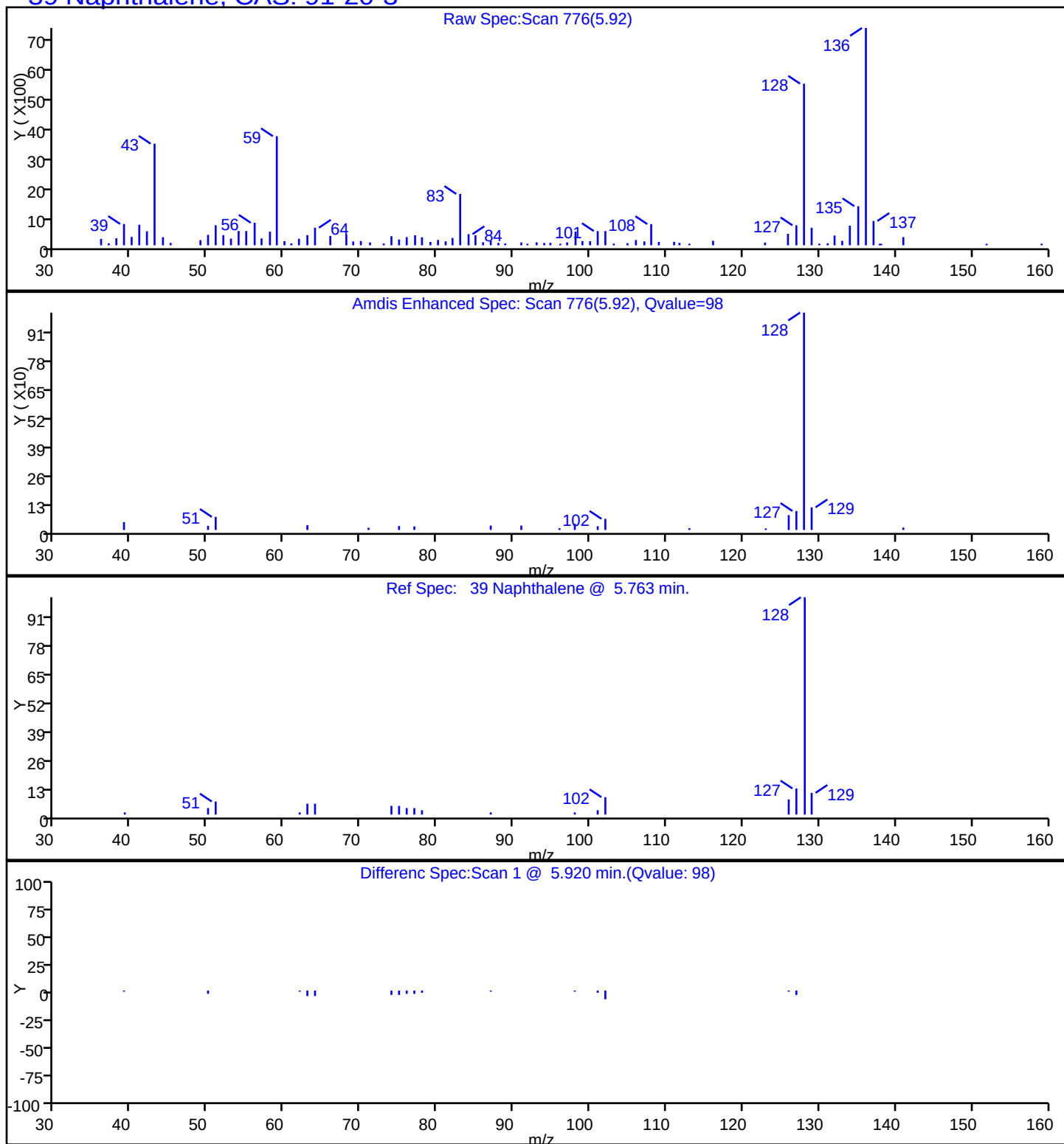
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

39 Naphthalene, CAS: 91-20-3

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35647.D

Injection Date: 22-Aug-2015 11:27:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-10-A

Lab Sample ID: 460-99997-10

Client ID: ES-10

Operator ID:

ALS Bottle#:

Worklist Smp#: 7

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

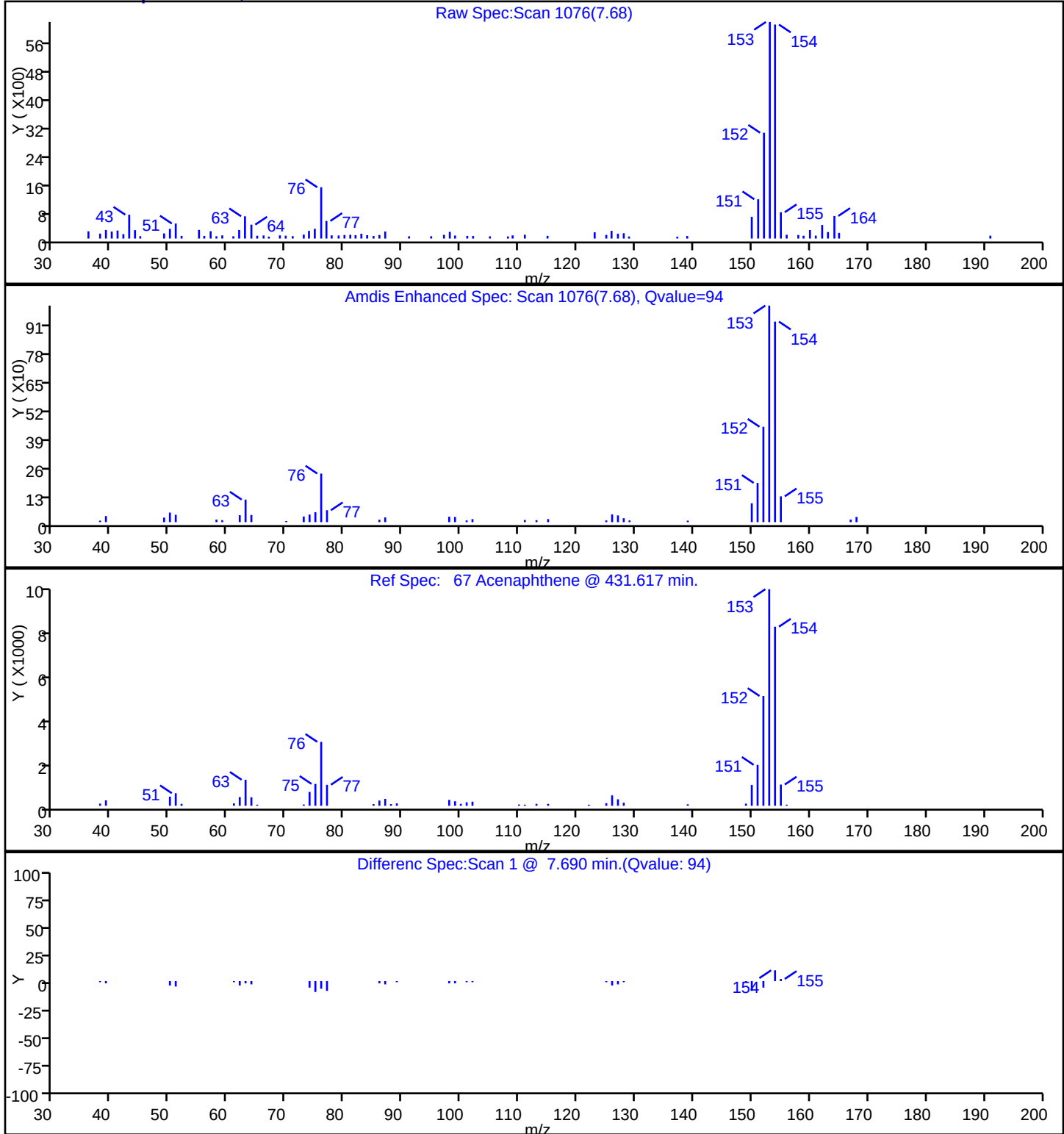
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

67 Acenaphthene, CAS: 83-32-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35647.D

Injection Date: 22-Aug-2015 11:27:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-10-A

Lab Sample ID: 460-99997-10

Client ID: ES-10

Operator ID:

ALS Bottle#: 7

Worklist Smp#: 7

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

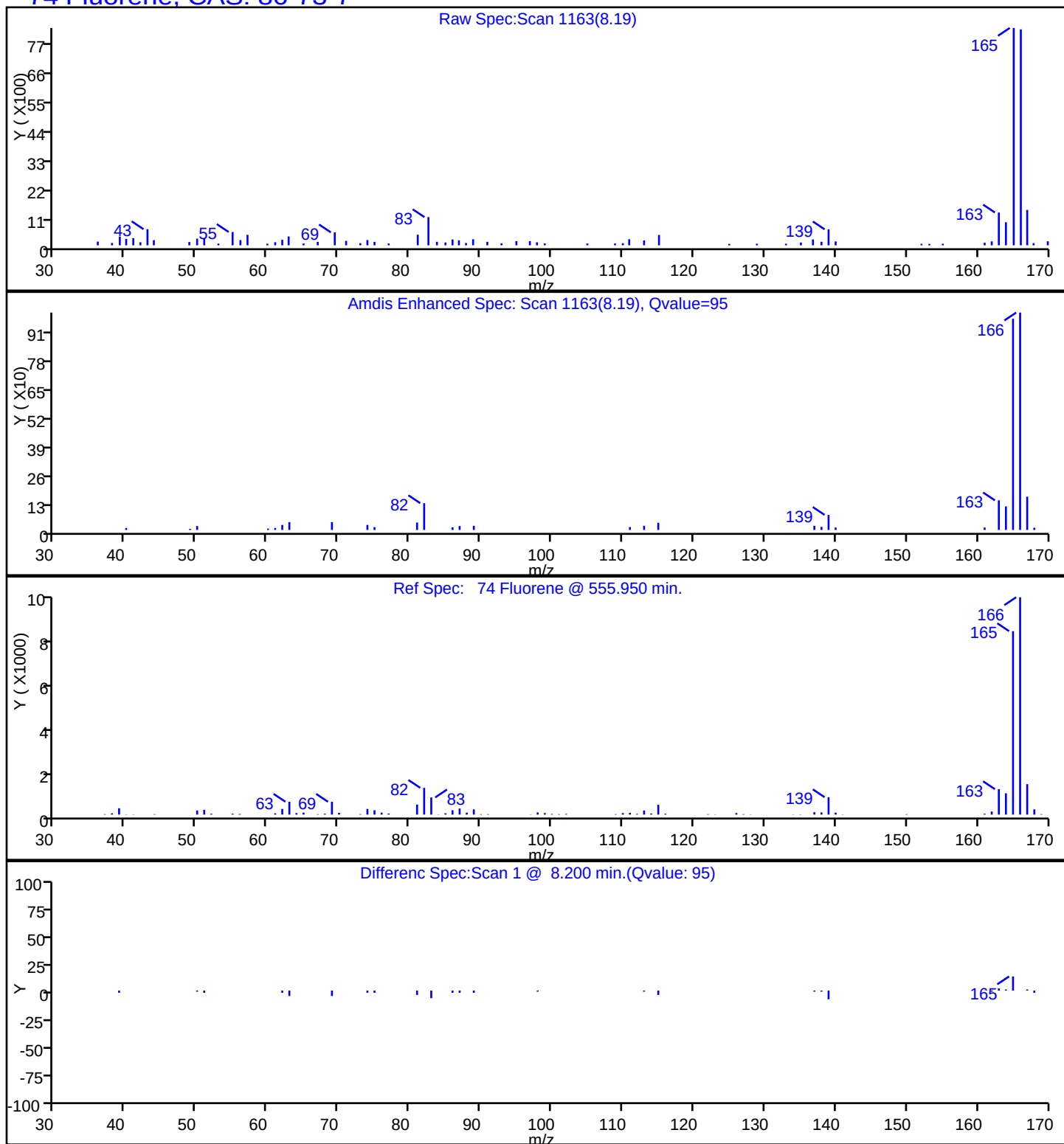
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

74 Fluorene, CAS: 86-73-7



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35647.D

Injection Date: 22-Aug-2015 11:27:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-10-A

Lab Sample ID: 460-99997-10

Client ID: ES-10

Operator ID:

ALS Bottle#: 7

Worklist Smp#: 7

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

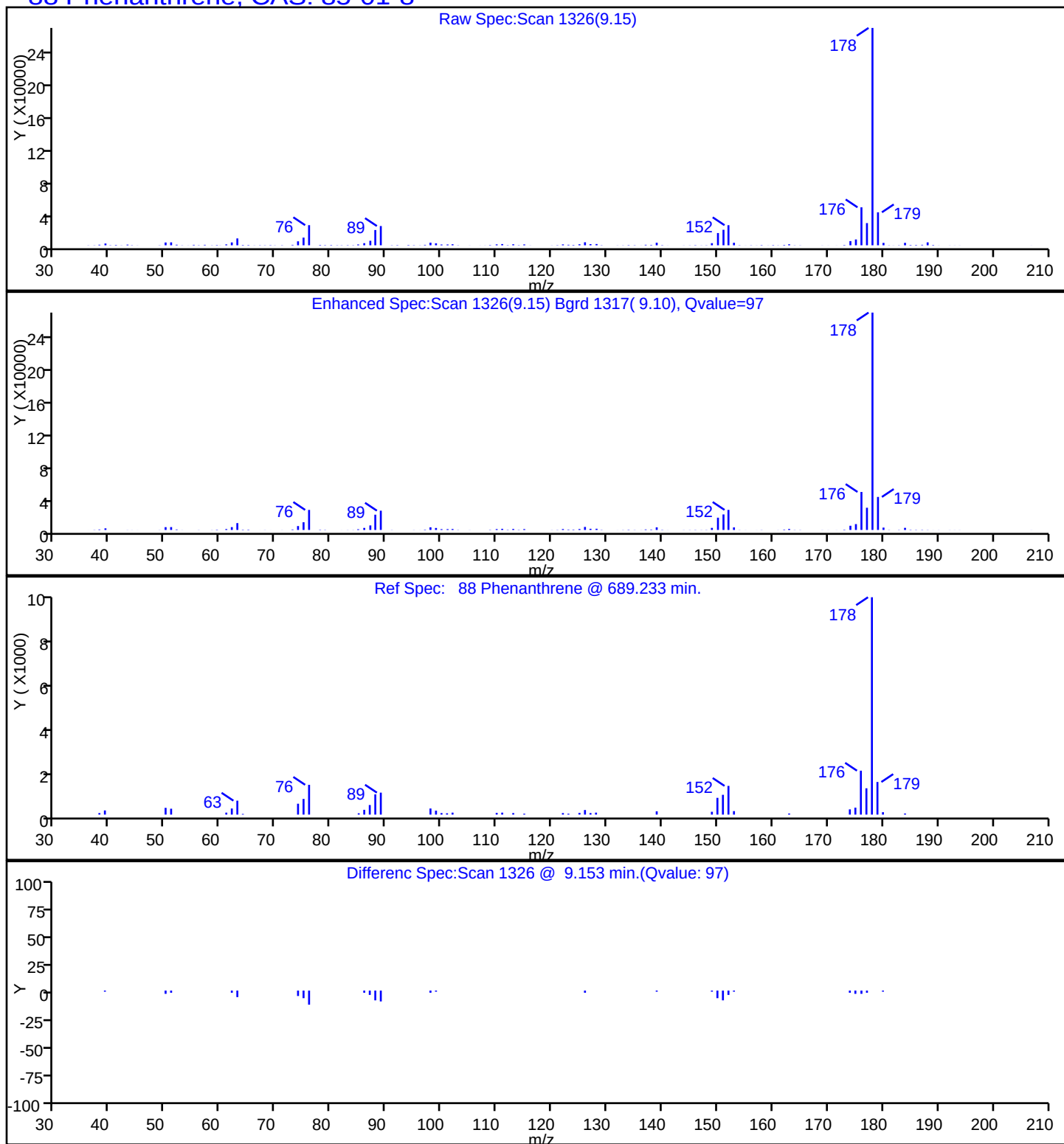
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

88 Phenanthrene, CAS: 85-01-8



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35647.D

Injection Date: 22-Aug-2015 11:27:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-10-A

Lab Sample ID: 460-99997-10

Client ID: ES-10

Operator ID:

ALS Bottle#: 7

Worklist Smp#: 7

Injection Vol: 1.0 ul

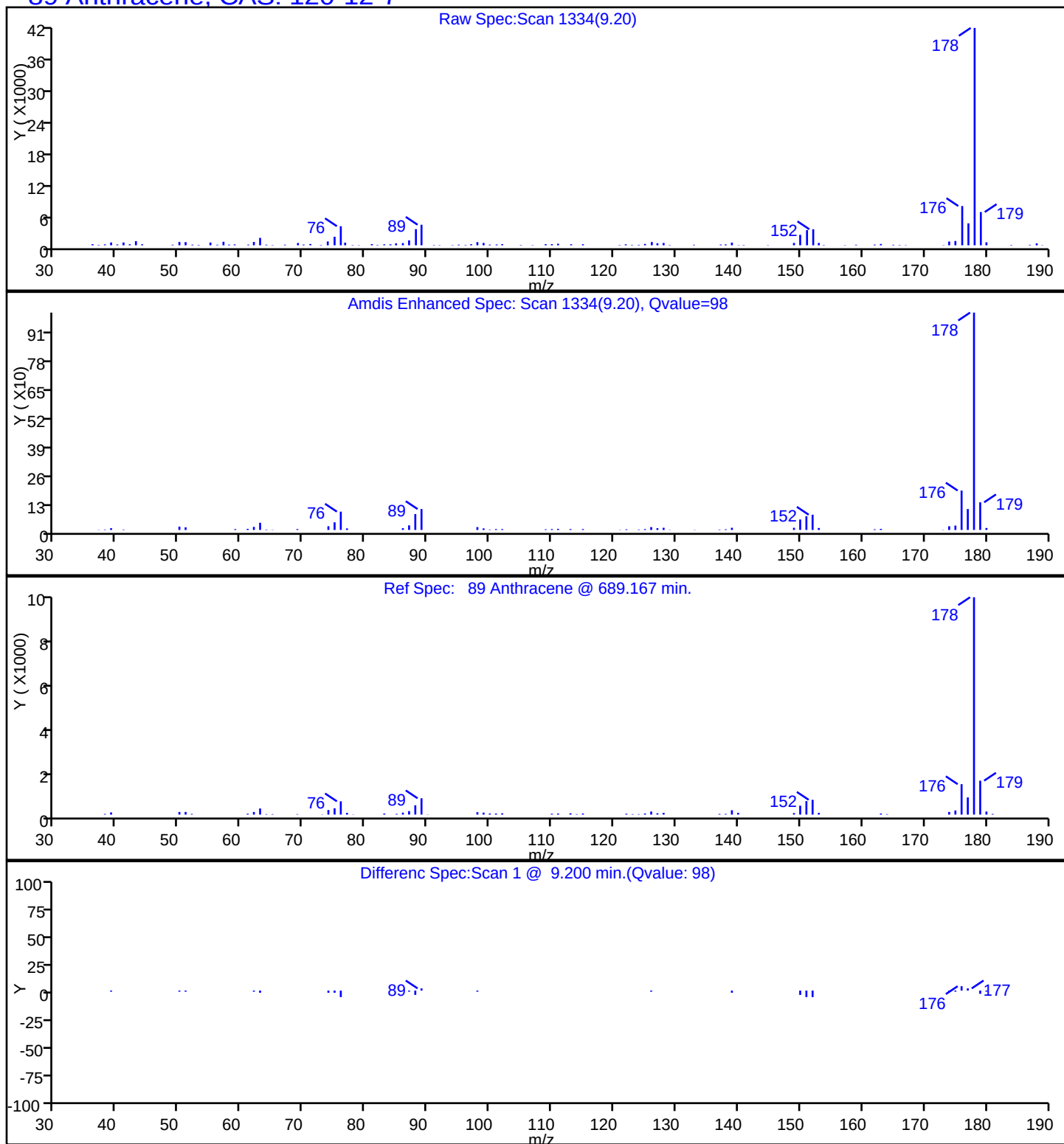
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

89 Anthracene, CAS: 120-12-7

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35647.D

Injection Date: 22-Aug-2015 11:27:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-10-A

Lab Sample ID: 460-99997-10

Client ID: ES-10

Operator ID:

ALS Bottle#:

7

Worklist Smp#:

7

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

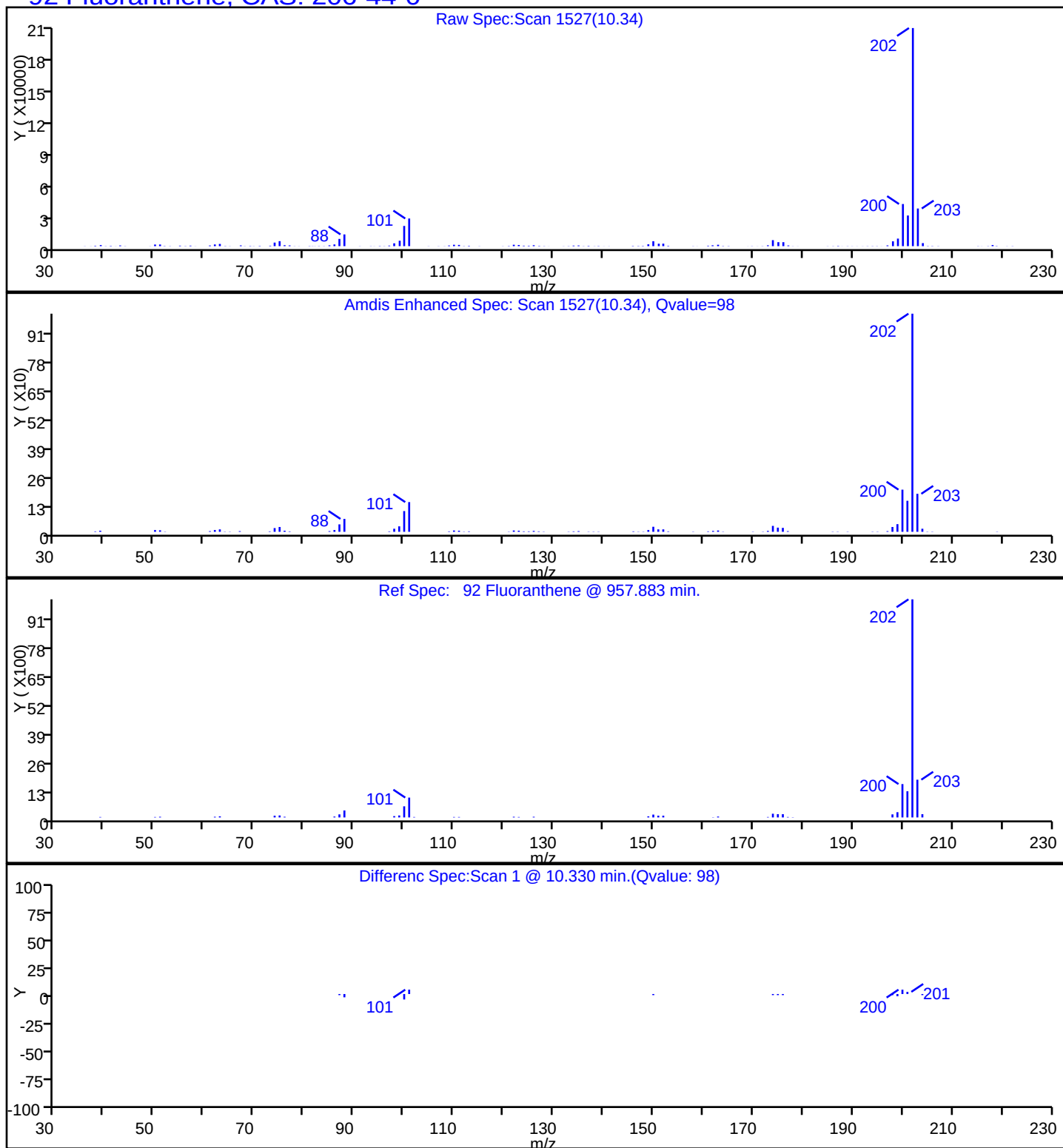
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

92 Fluoranthene, CAS: 206-44-0

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35647.D

Injection Date: 22-Aug-2015 11:27:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-10-A

Lab Sample ID: 460-99997-10

Client ID: ES-10

Operator ID:

ALS Bottle#: 7

Worklist Smp#: 7

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

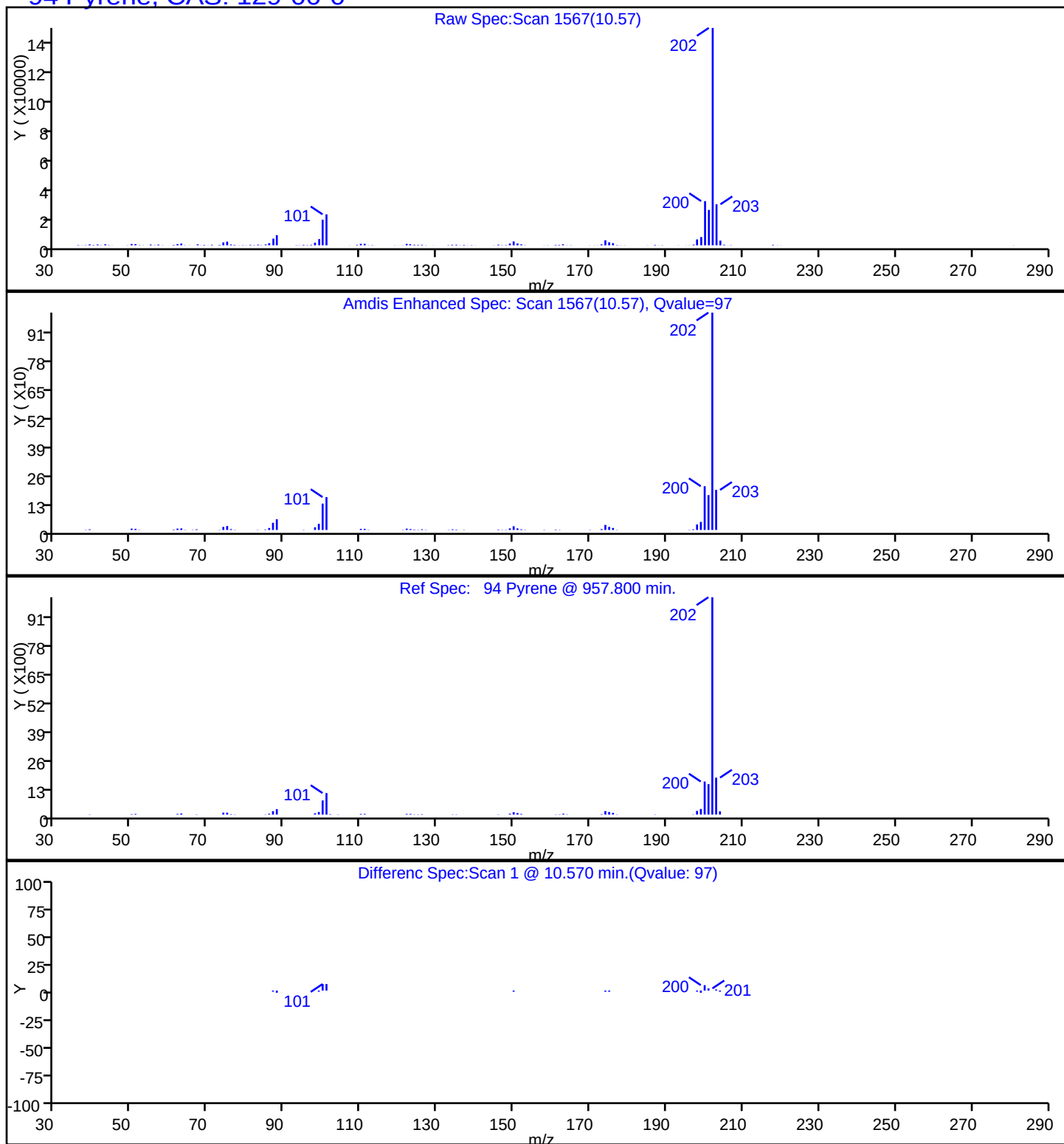
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

94 Pyrene, CAS: 129-00-0



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35647.D

Injection Date: 22-Aug-2015 11:27:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-10-A

Lab Sample ID: 460-99997-10

Client ID: ES-10

Operator ID:

ALS Bottle#:

7

Worklist Smp#:

7

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

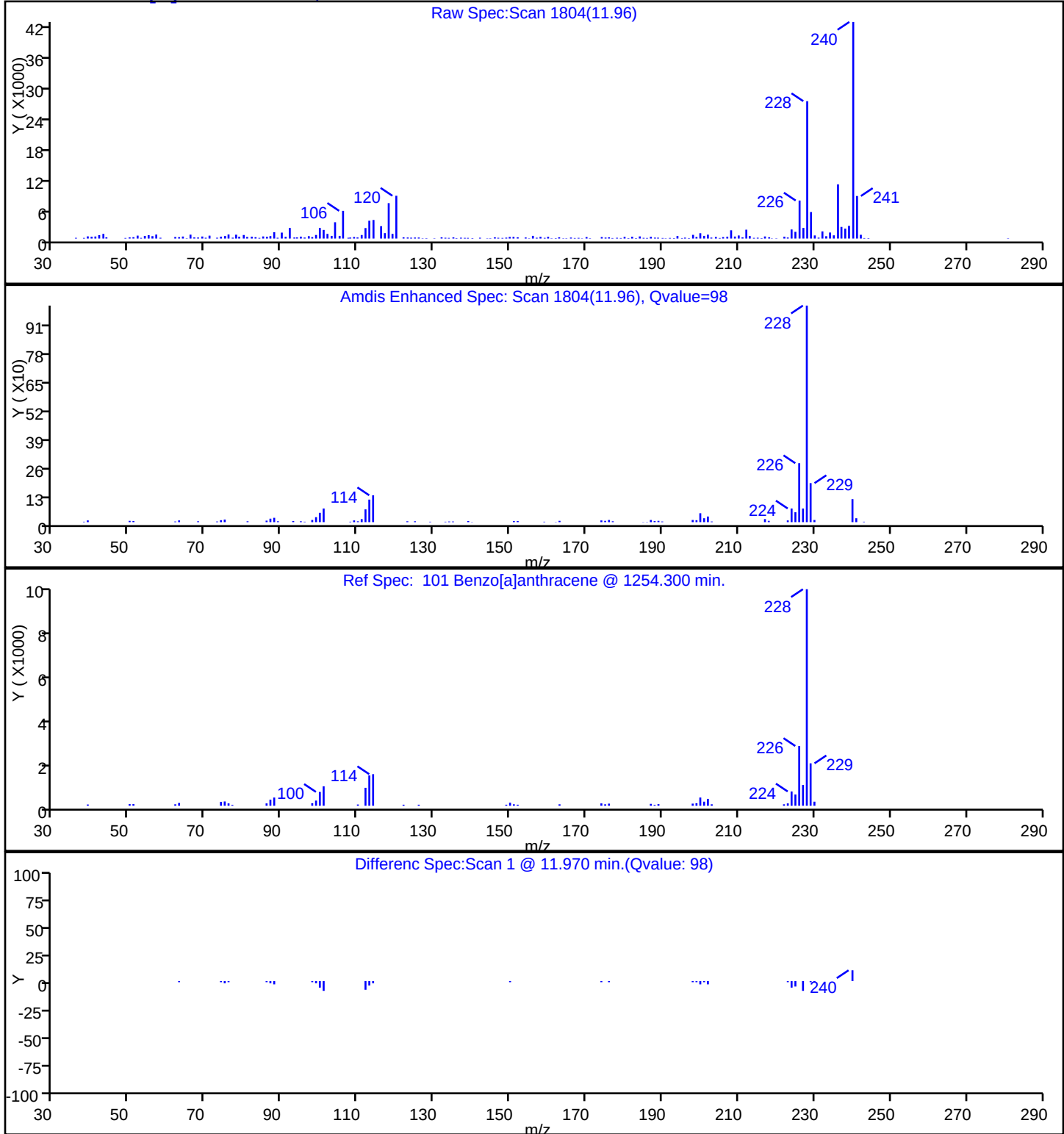
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

101 Benzo[a]anthracene, CAS: 56-55-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35647.D

Injection Date: 22-Aug-2015 11:27:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-10-A

Lab Sample ID: 460-99997-10

Client ID: ES-10

Operator ID:

ALS Bottle#: 7

Worklist Smp#: 7

Injection Vol: 1.0 ul

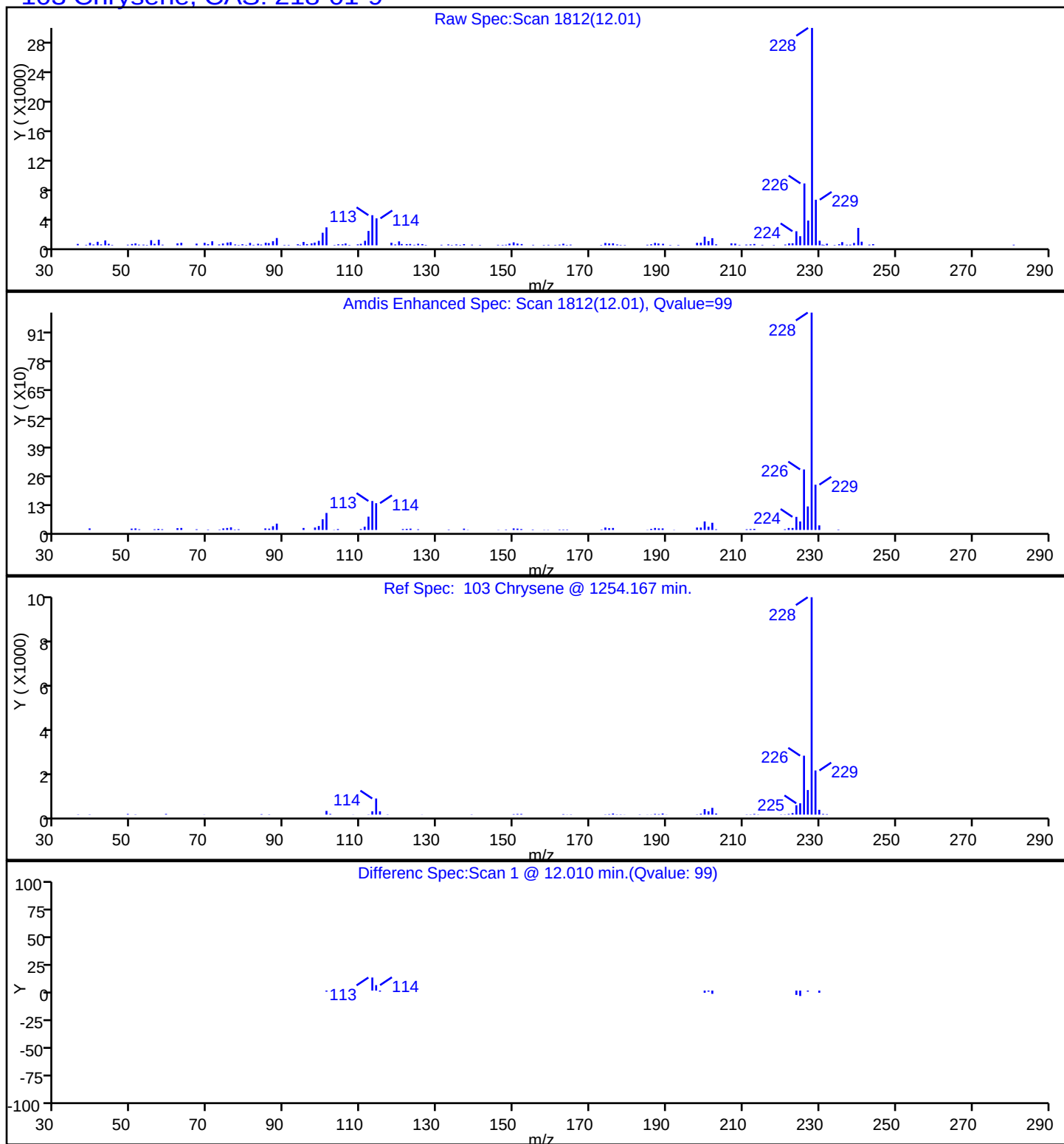
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

103 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35647.D

Injection Date: 22-Aug-2015 11:27:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-10-A

Lab Sample ID: 460-99997-10

Client ID: ES-10

Operator ID:

ALS Bottle#:

7

Worklist Smp#:

7

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

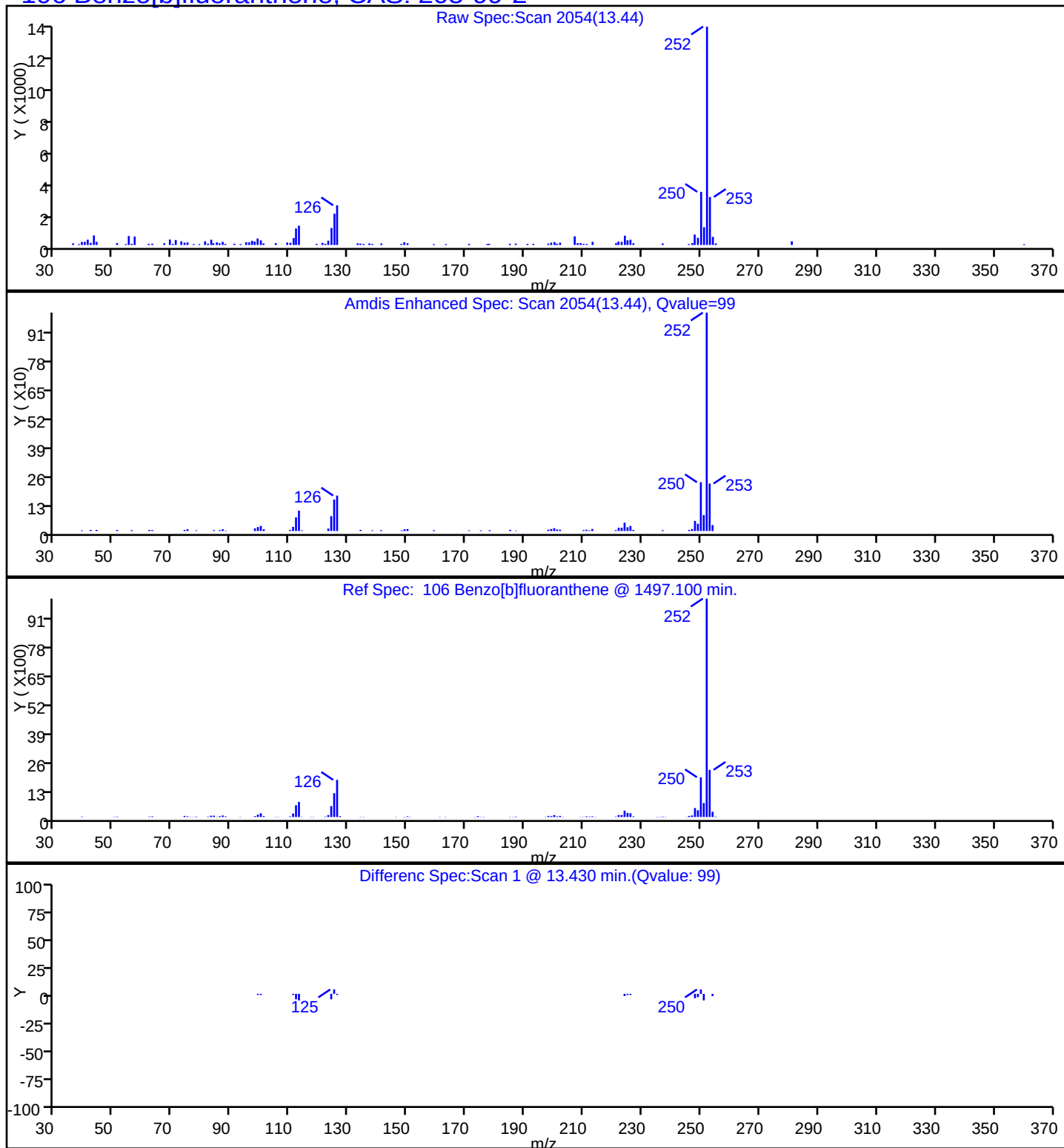
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

106 Benzo[b]fluoranthene, CAS: 205-99-2

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35647.D

Injection Date: 22-Aug-2015 11:27:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-10-A

Lab Sample ID: 460-99997-10

Client ID: ES-10

Operator ID:

ALS Bottle#:

7

Worklist Smp#:

7

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

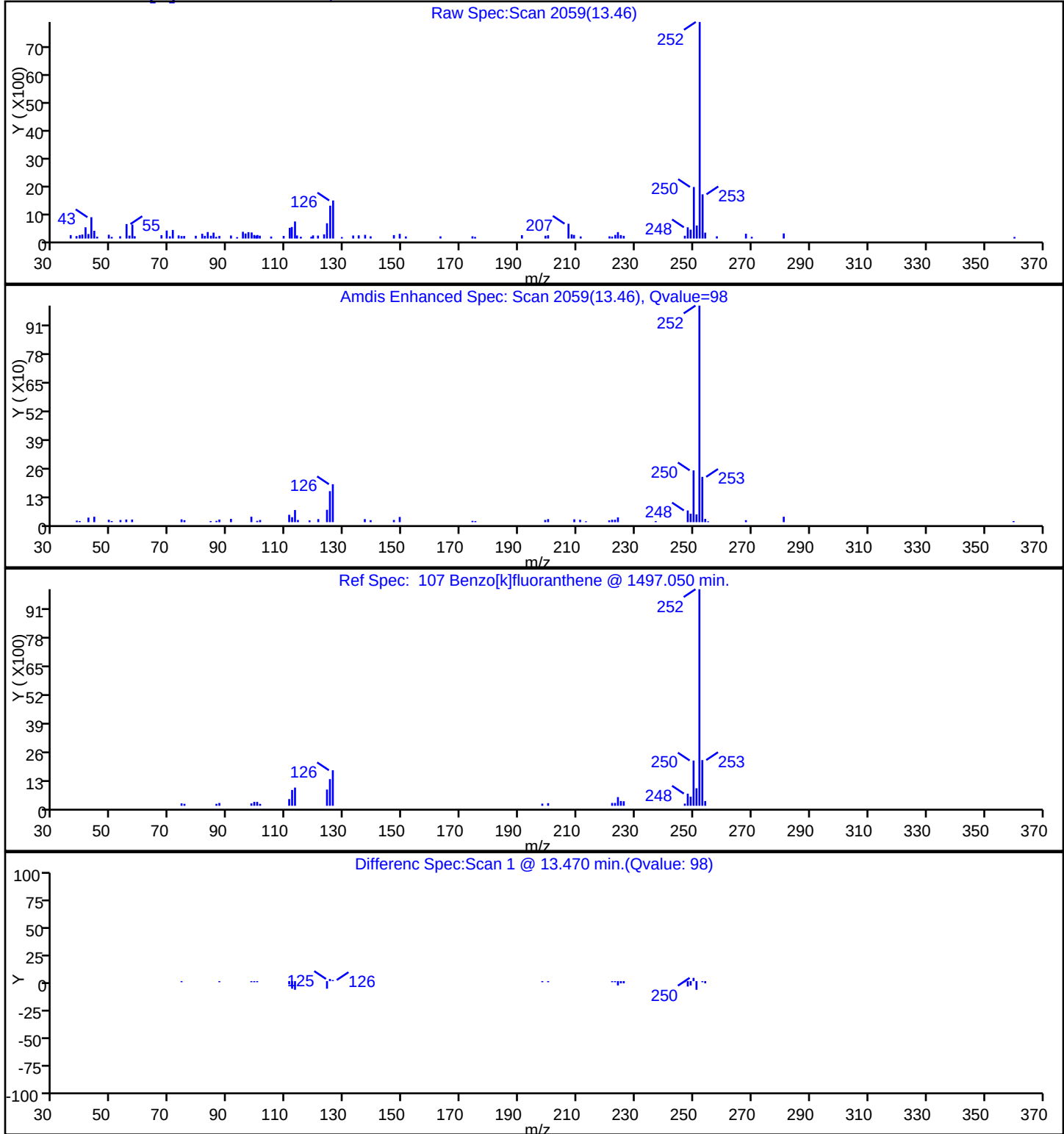
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

107 Benzo[k]fluoranthene, CAS: 207-08-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35647.D

Injection Date: 22-Aug-2015 11:27:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-10-A

Lab Sample ID: 460-99997-10

Client ID: ES-10

Operator ID:

ALS Bottle#:

7

Worklist Smp#:

7

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

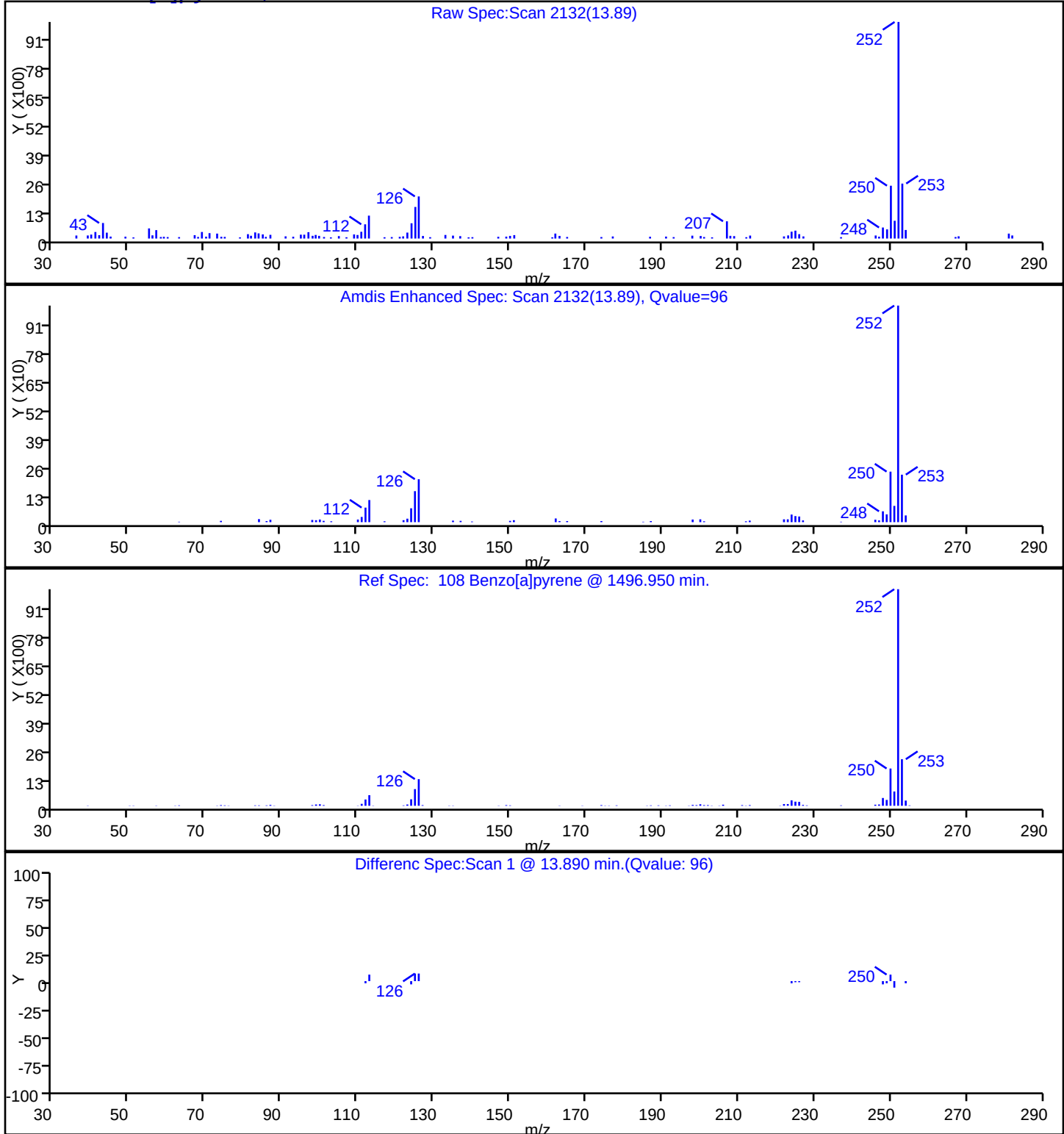
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

108 Benzo[a]pyrene, CAS: 50-32-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35647.D

Injection Date: 22-Aug-2015 11:27:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-10-A

Lab Sample ID: 460-99997-10

Client ID: ES-10

Operator ID:

ALS Bottle#:

7

Worklist Smp#:

7

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

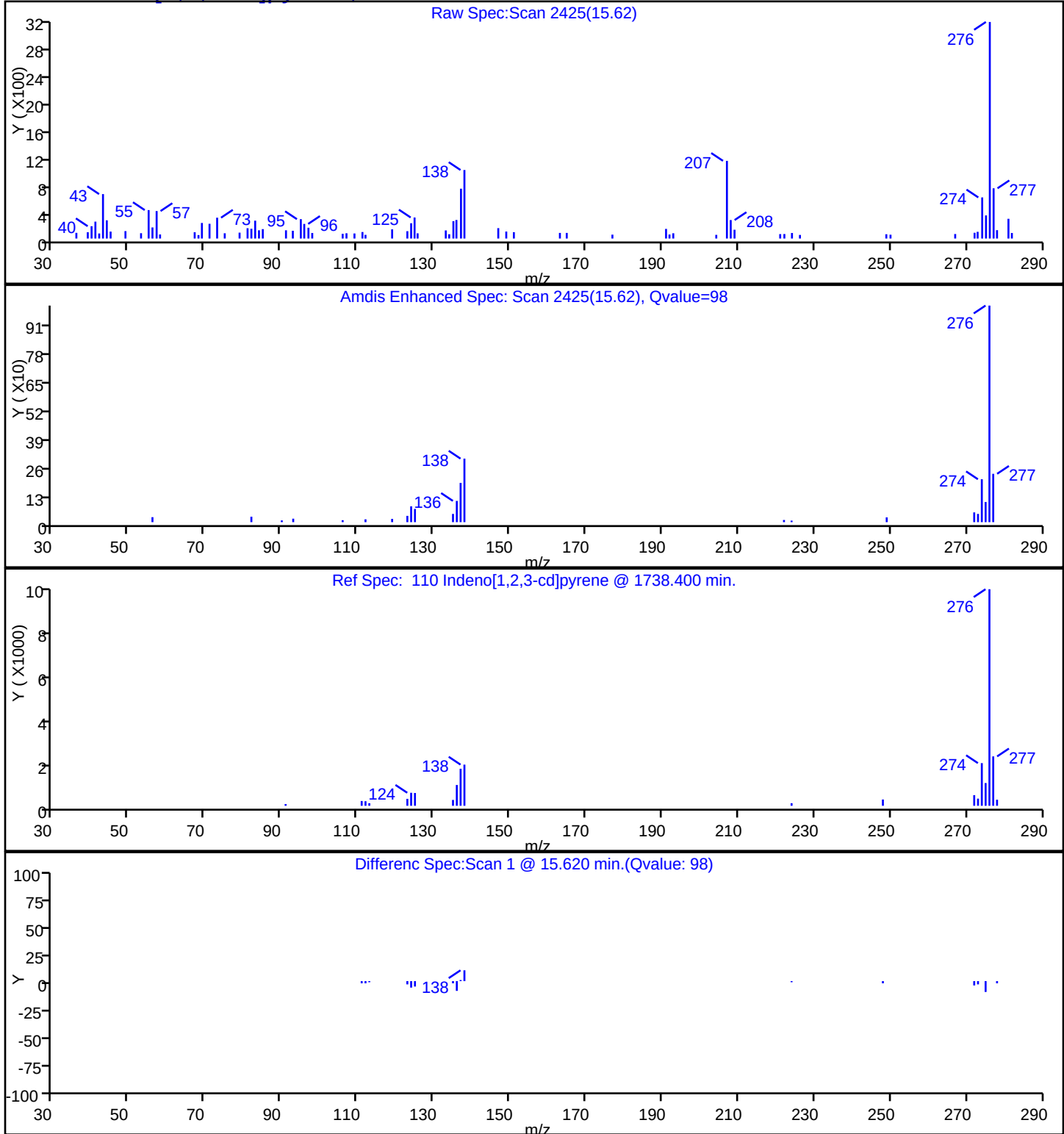
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35647.D

Injection Date: 22-Aug-2015 11:27:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-10-A

Lab Sample ID: 460-99997-10

Client ID: ES-10

Operator ID:

ALS Bottle#: 7

Worklist Smp#: 7

Injection Vol: 1.0 ul

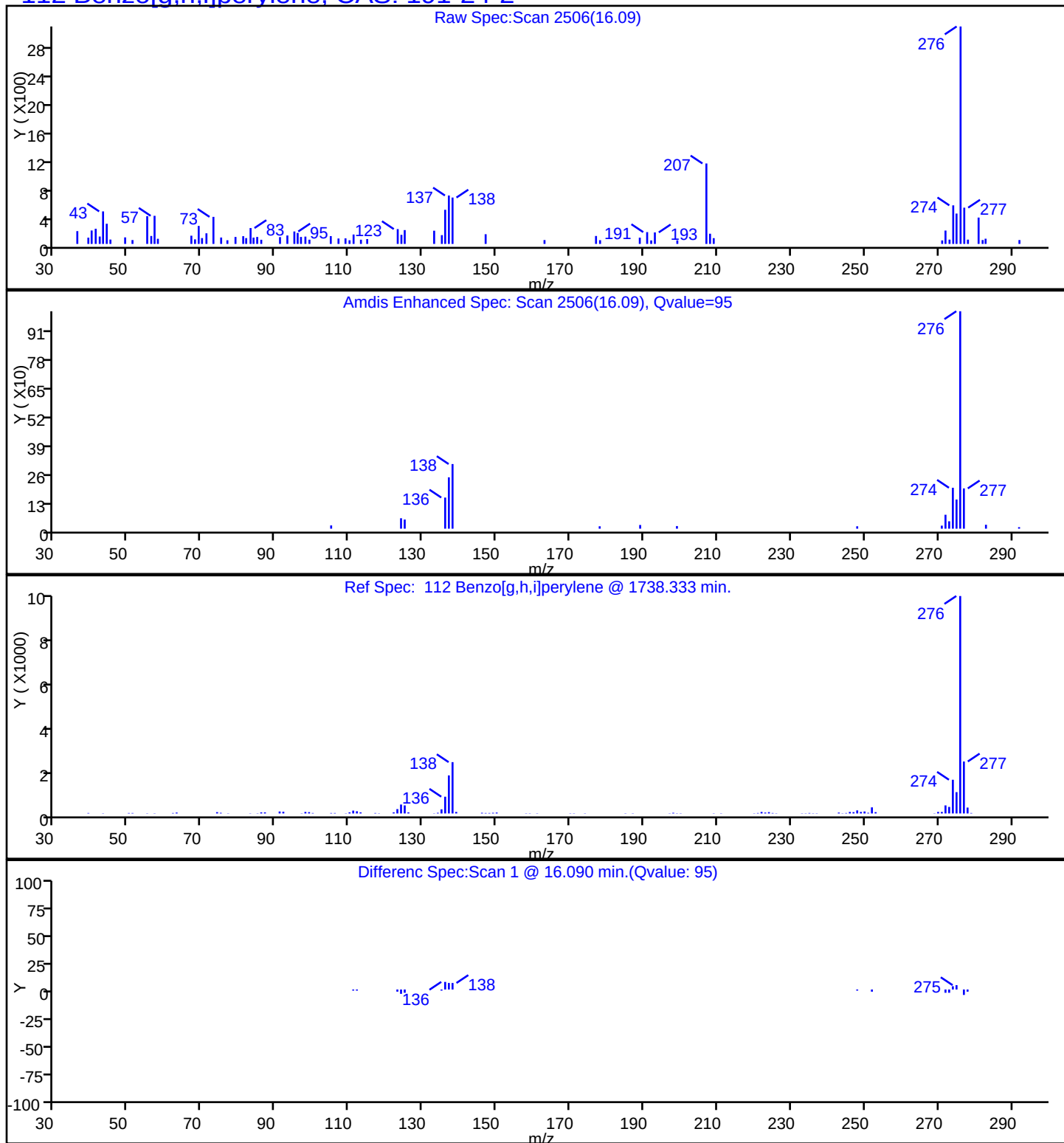
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

112 Benzo[g,h,i]perylene, CAS: 191-24-2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-11</u>	Lab Sample ID: <u>460-99997-11</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z35662.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>08/20/2015 11:58</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>08/21/2015 21:30</u>
Sample wt/vol: <u>15.0214(g)</u>	Date Analyzed: <u>08/22/2015 17:10</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>17.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318190</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.075	J	0.40	0.010
91-57-6	2-Methylnaphthalene	0.039	J	0.40	0.0088
208-96-8	Acenaphthylene	0.010	U	0.40	0.010
83-32-9	Acenaphthene	0.31	J	0.40	0.0097
86-73-7	Fluorene	0.20	J	0.40	0.0087
85-01-8	Phenanthrene	3.4		0.40	0.011
120-12-7	Anthracene	0.79		0.40	0.038
206-44-0	Fluoranthene	5.7		0.40	0.012
129-00-0	Pyrene	4.1		0.40	0.018
56-55-3	Benzo[a]anthracene	2.1		0.040	0.033
218-01-9	Chrysene	2.3		0.40	0.011
205-99-2	Benzo[b]fluoranthene	2.0		0.040	0.016
207-08-9	Benzo[k]fluoranthene	0.87		0.040	0.017
50-32-8	Benzo[a]pyrene	1.6		0.040	0.012
193-39-5	Indeno[1,2,3-cd]pyrene	1.5		0.040	0.027
53-70-3	Dibenz(a,h)anthracene	0.39		0.040	0.021
191-24-2	Benzo[g,h,i]perylene	1.2		0.40	0.023

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	87		30-130
1718-51-0	Terphenyl-d14	106		30-130
321-60-8	2-Fluorobiphenyl	99		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35662.D
 Lims ID: 460-99997-E-11-A Lab Sample ID: 460-99997-11
 Client ID: ES-11
 Sample Type: Client
 Inject. Date: 22-Aug-2015 17:10:30 ALS Bottle#: 22 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031003-022
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Aug-2015 22:00:26 Calib Date: 19-Aug-2015 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35546.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: szczecha

Date: 24-Aug-2015 11:03:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.571	3.336	0.235	96	429642	37.7	
\$ 6 Phenol-d5	99	4.289	4.259	0.030	86	519972	38.8	
* 14 1,4-Dichlorobenzene-d4	152	4.647	4.612	0.035	96	355183	40.0	
22 Acetophenone	105	5.030	5.036	-0.006	95	9558	0.7146	
\$ 26 Nitrobenzene-d5	82	5.188	5.183	0.005	90	456148	43.6	
31 Isophorone	82	5.436	5.453	-0.017	98	100007	5.89	
* 38 Naphthalene-d8	136	5.906	5.894	0.012	99	1182904	40.0	
39 Naphthalene	128	5.924	5.930	-0.006	99	27113	0.9255	
44 2-Methylnaphthalene	142	6.612	6.618	-0.006	87	9300	0.4822	
\$ 51 2-Fluorobiphenyl	172	6.982	6.983	-0.001	98	943921	49.5	
58 Dimethyl phthalate	163	7.377	7.394	-0.017	99	3036	0.2131	
* 65 Acenaphthene-d10	164	7.659	7.659	0.000	92	516348	40.0	
67 Acenaphthene	154	7.688	7.700	-0.012	93	59060	3.82	
71 Dibenzofuran	168	7.859	7.871	-0.012	97	43330	2.15	
74 Fluorene	166	8.200	8.206	-0.006	97	37709	2.44	
\$ 80 2,4,6-Tribromophenol	330	8.441	8.447	-0.006	94	81217	50.6	
* 87 Phenanthrene-d10	188	9.129	9.129	0.000	99	596940	40.0	
88 Phenanthrene	178	9.153	9.165	-0.012	98	734087	42.7	
89 Anthracene	178	9.200	9.212	-0.012	98	169313	9.78	
90 Carbazole	167	9.353	9.365	-0.012	95	68910	4.91	
91 Di-n-butyl phthalate	149	9.688	9.694	-0.006	96	6515	0.4117	
92 Fluoranthene	202	10.341	10.341	0.000	98	928973	70.2	
94 Pyrene	202	10.576	10.576	0.000	98	693086	50.9	
\$ 96 Terphenyl-d14	244	10.729	10.729	0.000	99	437935	52.8	
97 Butyl benzyl phthalate	149	11.265	11.271	-0.006	96	42547	8.98	
101 Benzo[a]anthracene	228	11.970	11.976	-0.006	99	210734	25.5	
* 102 Chrysene-d12	240	11.988	11.982	0.006	99	275798	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.988	11.994	-0.006	89	82123	13.3	
103 Chrysene	228	12.017	12.023	-0.006	99	209138	28.3	
106 Benzo[b]fluoranthene	252	13.441	13.447	-0.006	100	213953	24.5	
107 Benzo[k]fluoranthene	252	13.476	13.482	-0.006	98	94220	10.8	
108 Benzo[a]pyrene	252	13.900	13.906	-0.006	97	151821	19.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 109 Perylene-d12	264	13.988	13.982	0.006	97	289466	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.641	15.647	-0.006	98	107041	18.2	
111 Dibenz(a,h)anthracene	278	15.670	15.676	-0.006	93	28776	4.82	
112 Benzo[g,h,i]perylene	276	16.111	16.117	-0.006	97	97230	15.2	

Reagents:

SM_ISTD_00091

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35662.D

Injection Date: 22-Aug-2015 17:10:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: 460-99997-E-11-A

Lab Sample ID: 460-99997-11

Worklist Smp#: 22

Client ID: ES-11

Injection Vol: 1.0 ul

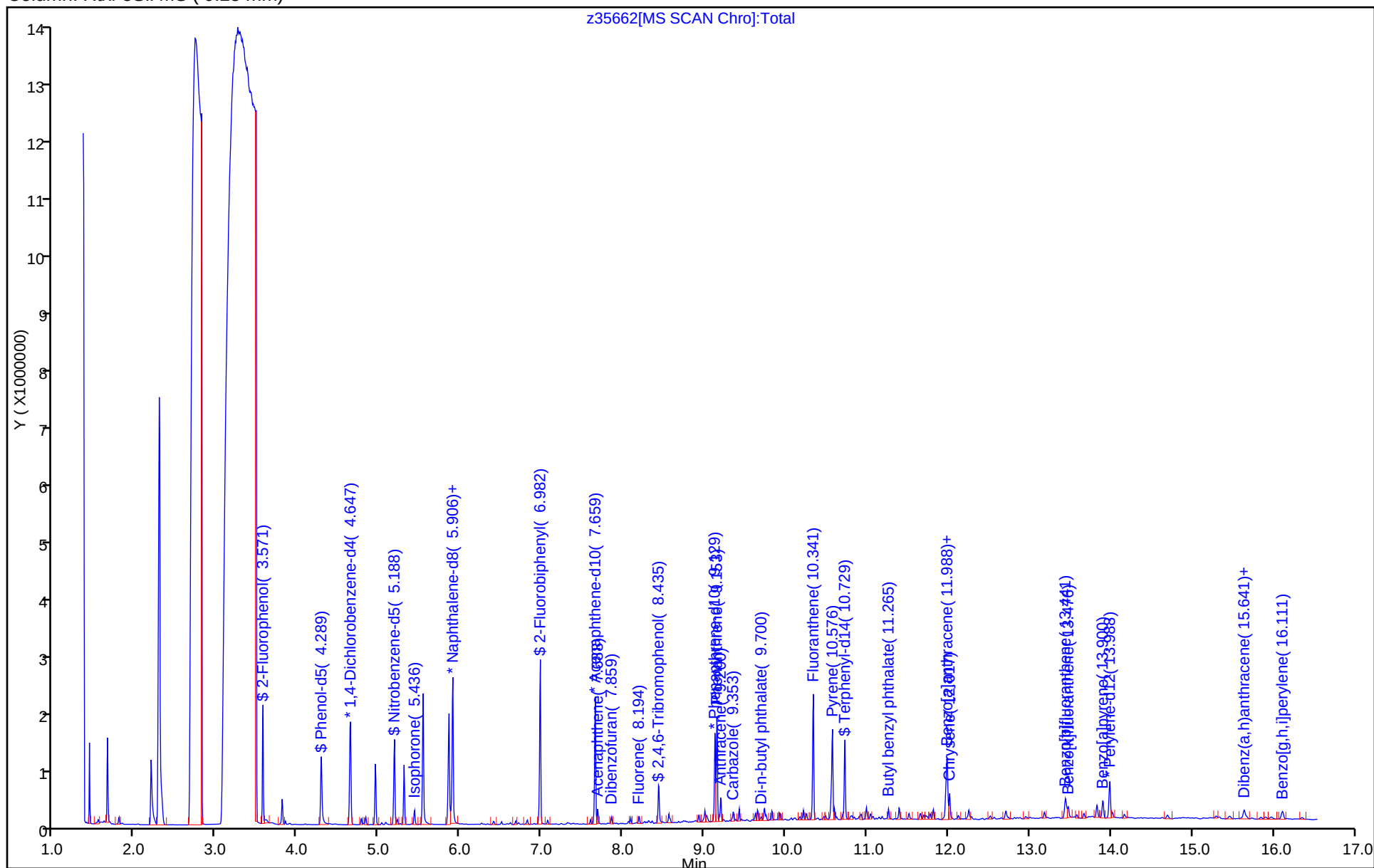
Dil. Factor: 1.0000

ALS Bottle#: 22

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35662.D

Injection Date: 22-Aug-2015 17:10:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-11-A

Lab Sample ID: 460-99997-11

Client ID: ES-11

Operator ID:

ALS Bottle#: 22 Worklist Smp#: 22

Injection Vol: 1.0 ul

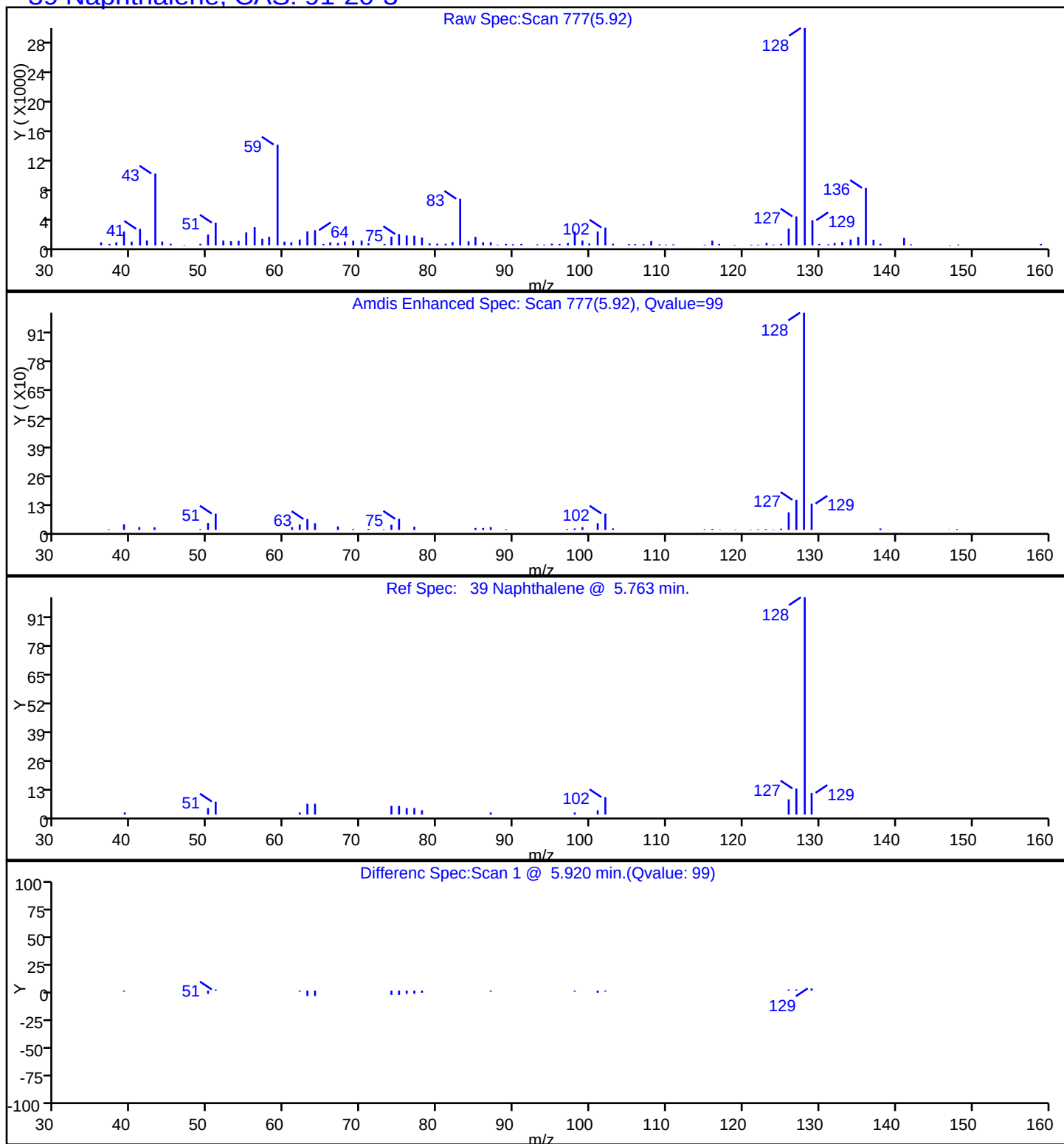
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

39 Naphthalene, CAS: 91-20-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35662.D

Injection Date: 22-Aug-2015 17:10:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-11-A

Lab Sample ID: 460-99997-11

Client ID: ES-11

Operator ID:

ALS Bottle#:

22

Worklist Smp#:

22

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

Limit Group:

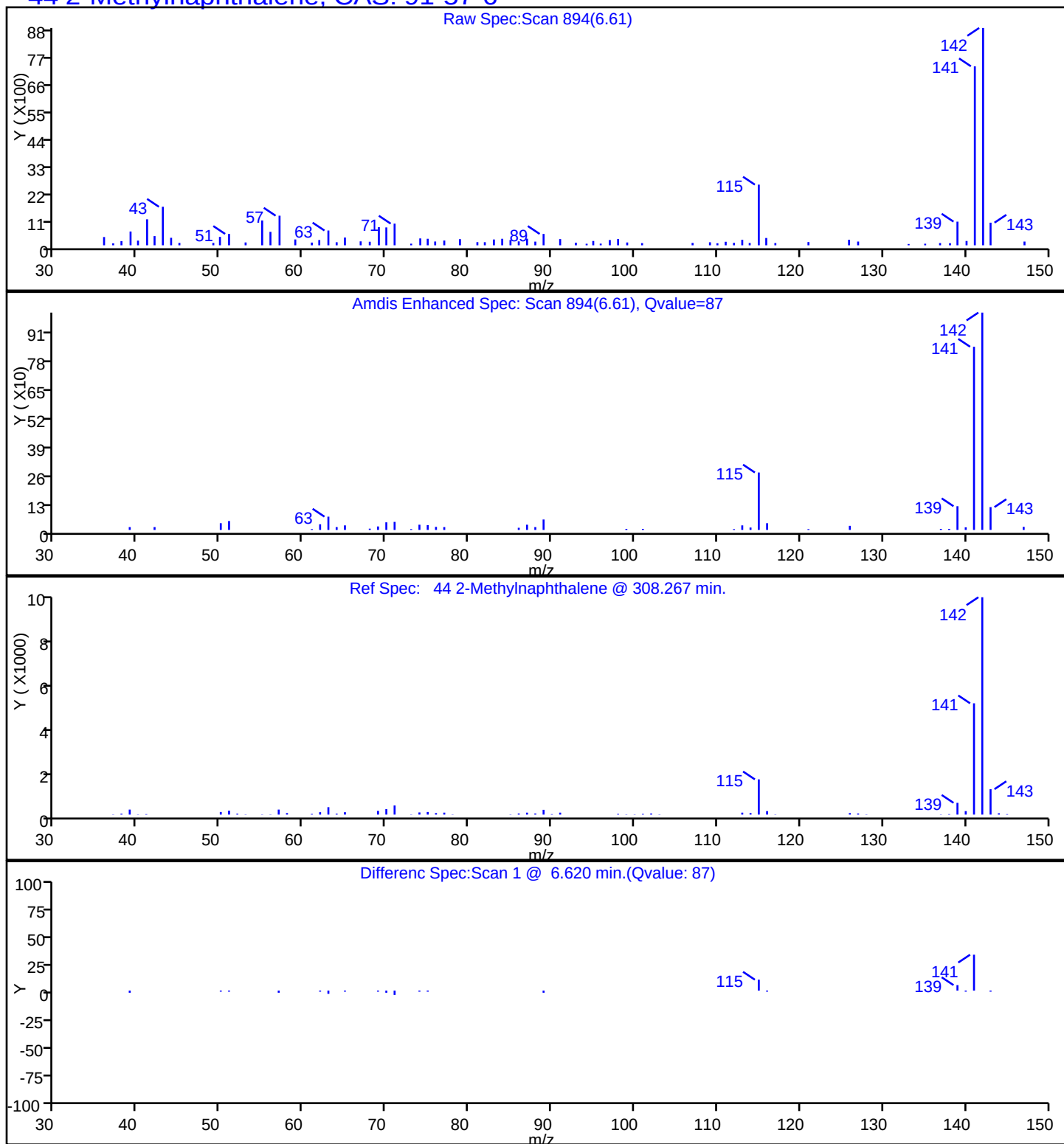
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

44 2-Methylnaphthalene, CAS: 91-57-6



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35662.D

Injection Date: 22-Aug-2015 17:10:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-11-A

Lab Sample ID: 460-99997-11

Client ID: ES-11

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

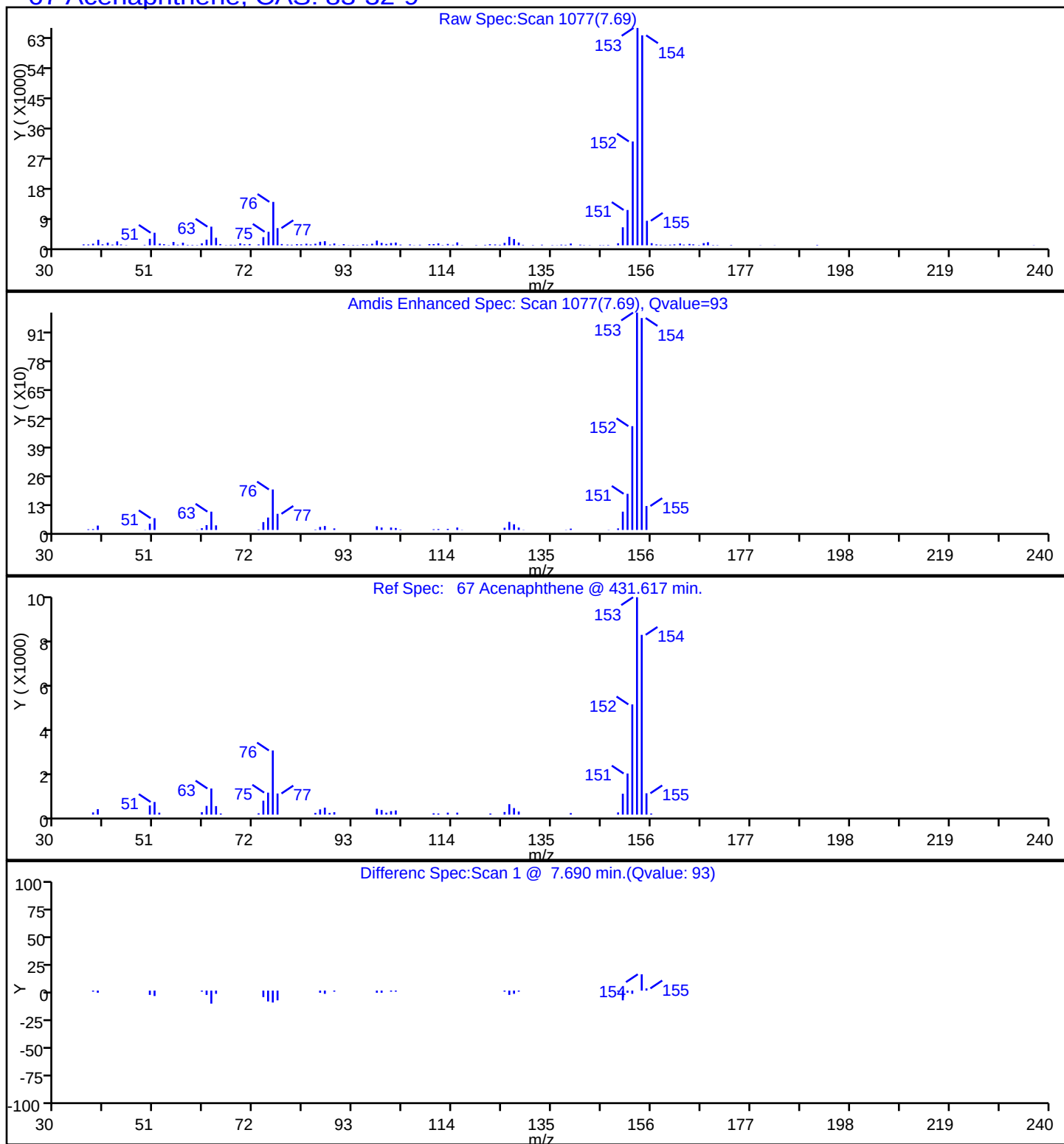
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

67 Acenaphthene, CAS: 83-32-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35662.D

Injection Date: 22-Aug-2015 17:10:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-11-A

Lab Sample ID: 460-99997-11

Client ID: ES-11

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

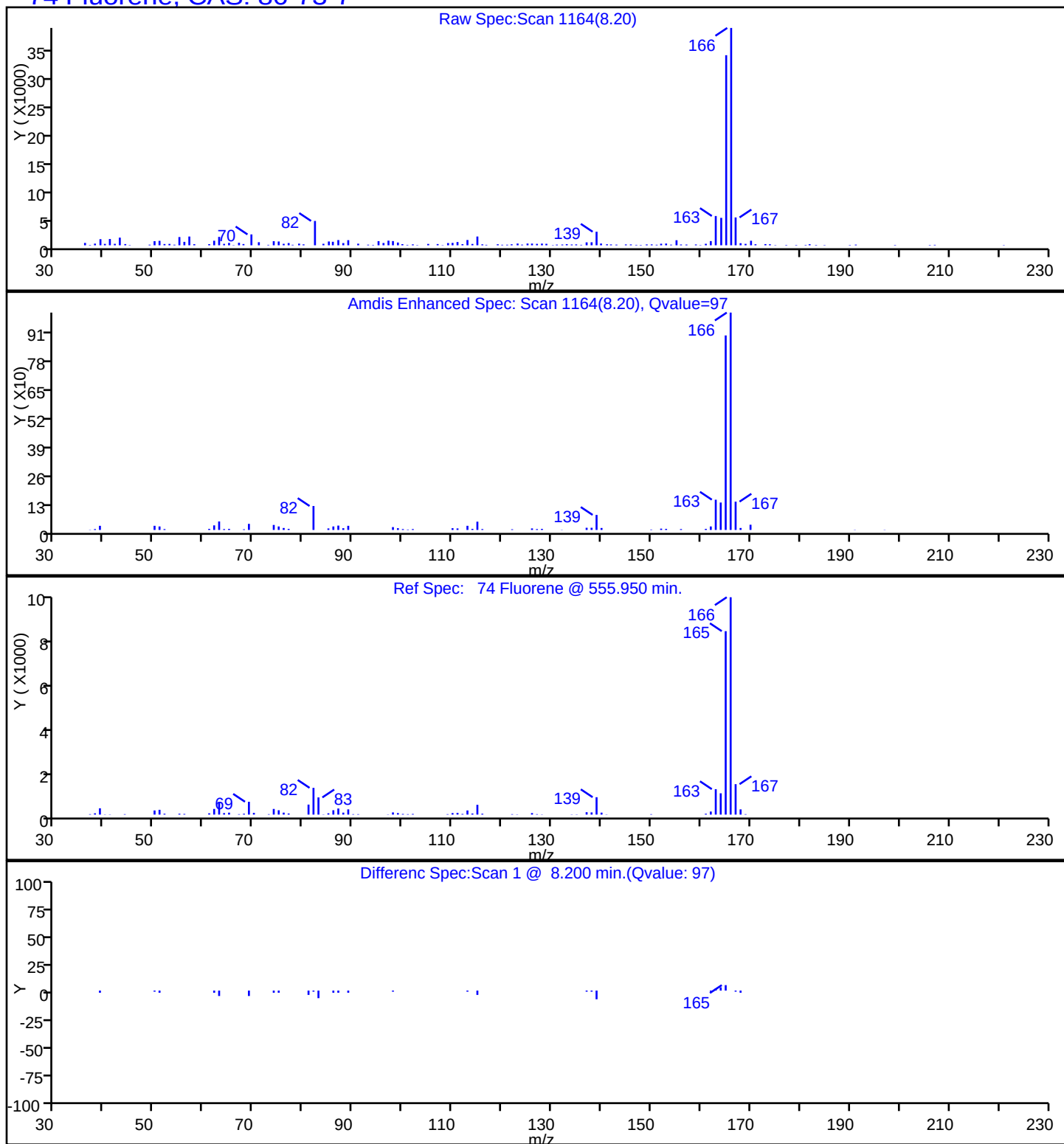
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

74 Fluorene, CAS: 86-73-7



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35662.D

Injection Date: 22-Aug-2015 17:10:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-11-A

Lab Sample ID: 460-99997-11

Client ID: ES-11

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

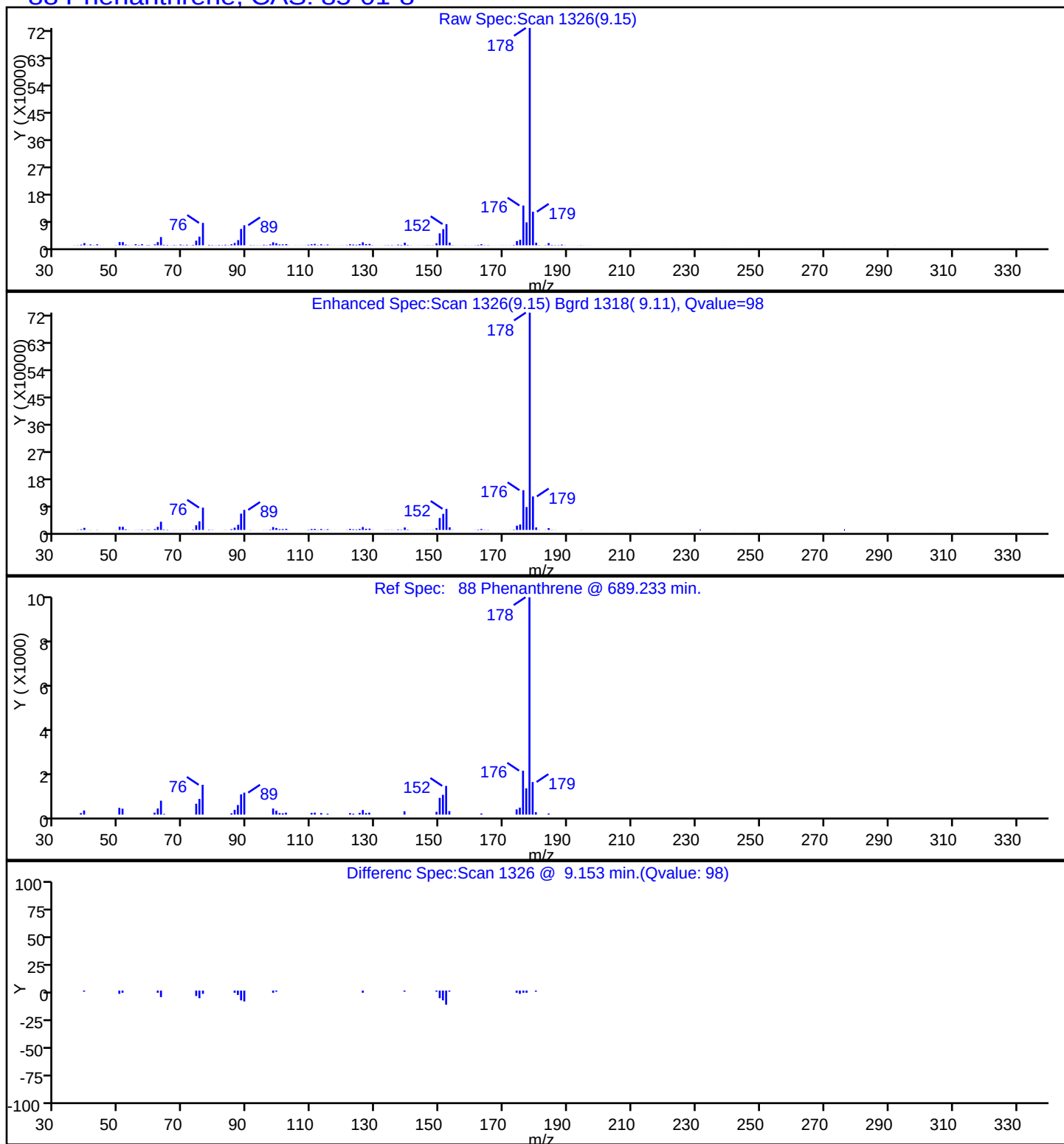
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

88 Phenanthrene, CAS: 85-01-8

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35662.D

Injection Date: 22-Aug-2015 17:10:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-11-A

Lab Sample ID: 460-99997-11

Client ID: ES-11

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

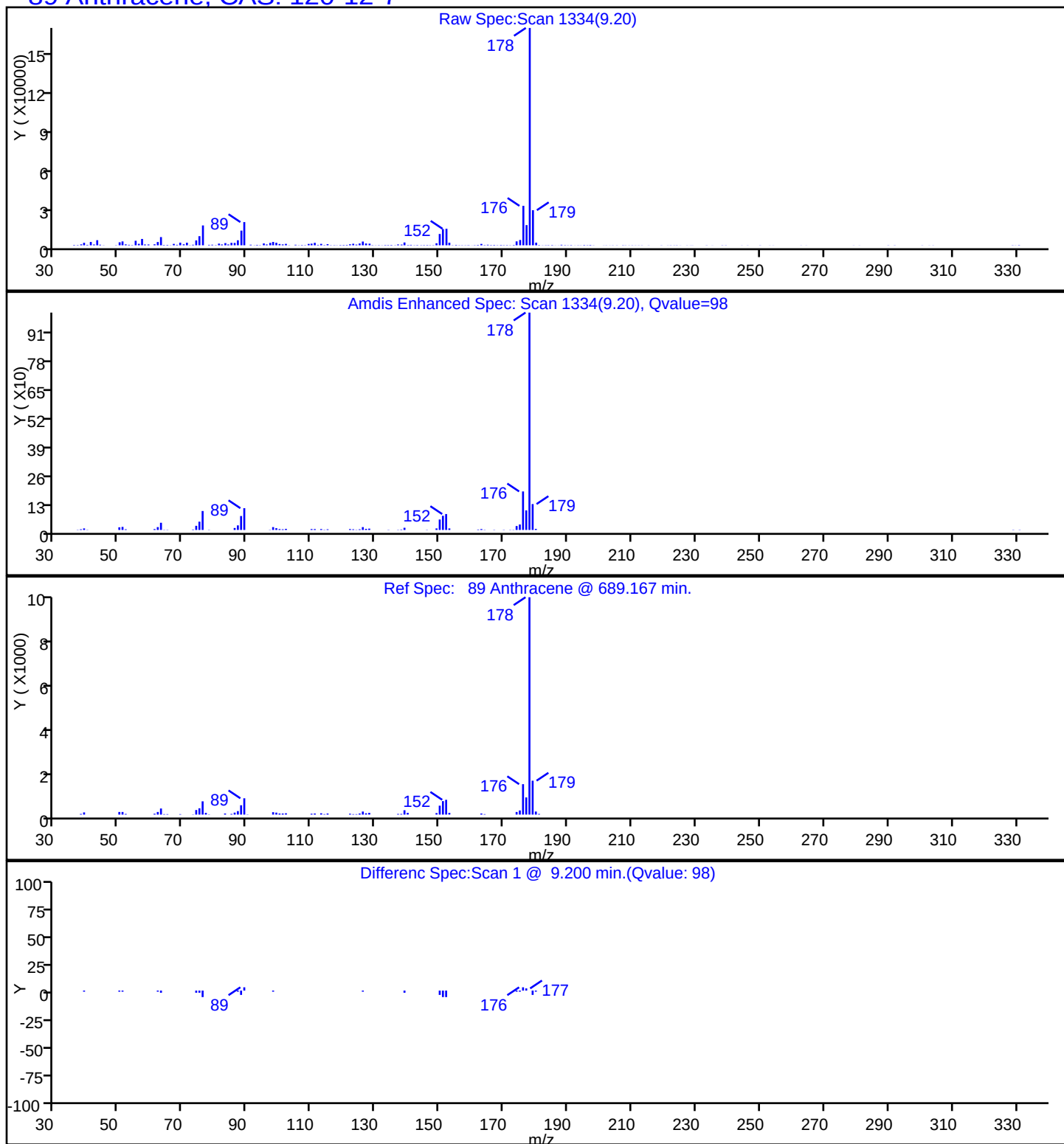
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

89 Anthracene, CAS: 120-12-7

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35662.D

Injection Date: 22-Aug-2015 17:10:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-11-A

Lab Sample ID: 460-99997-11

Client ID: ES-11

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

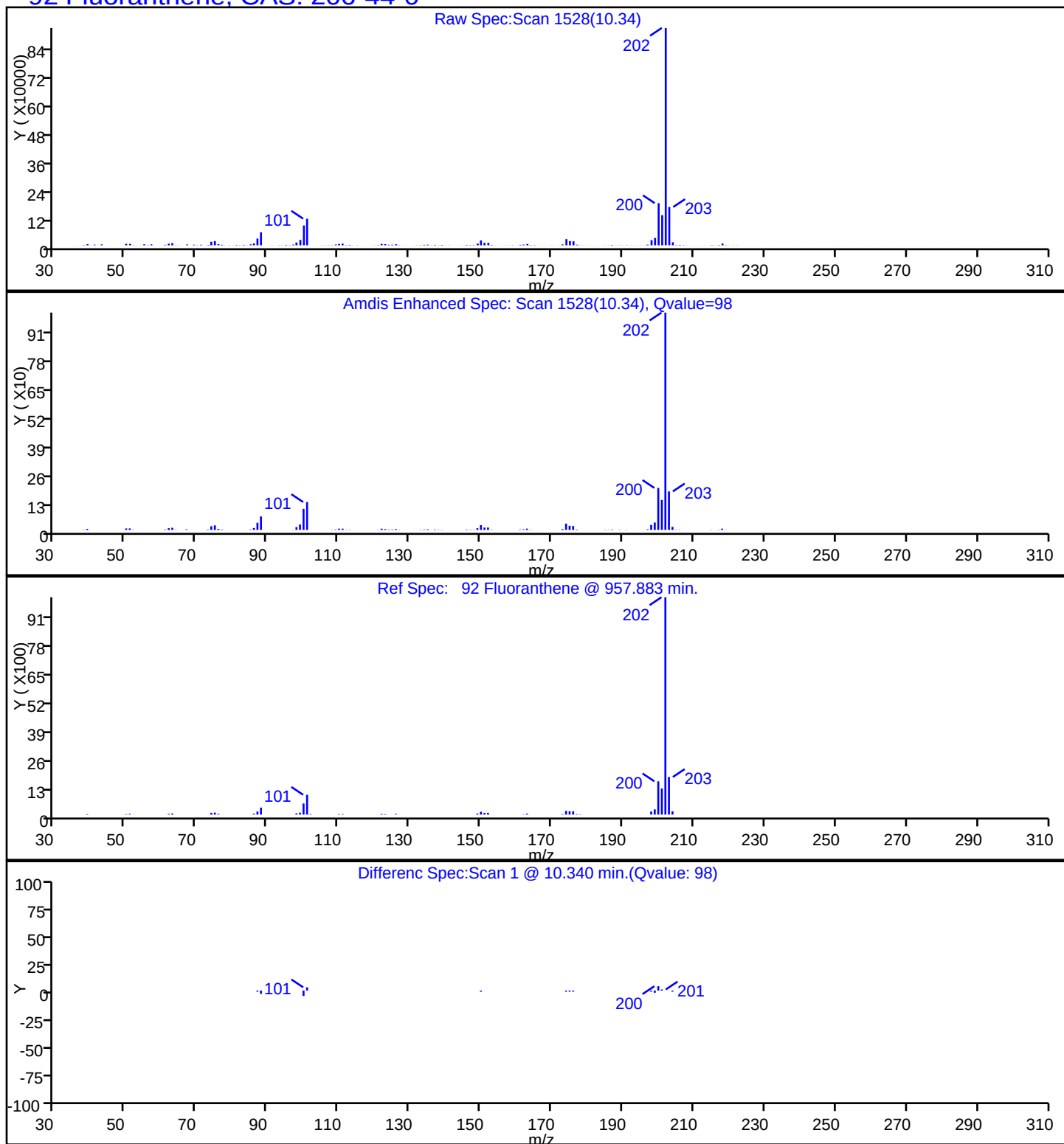
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

92 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35662.D

Injection Date: 22-Aug-2015 17:10:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-11-A

Lab Sample ID: 460-99997-11

Client ID: ES-11

Operator ID:

ALS Bottle#:

22

Worklist Smp#:

22

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

Limit Group:

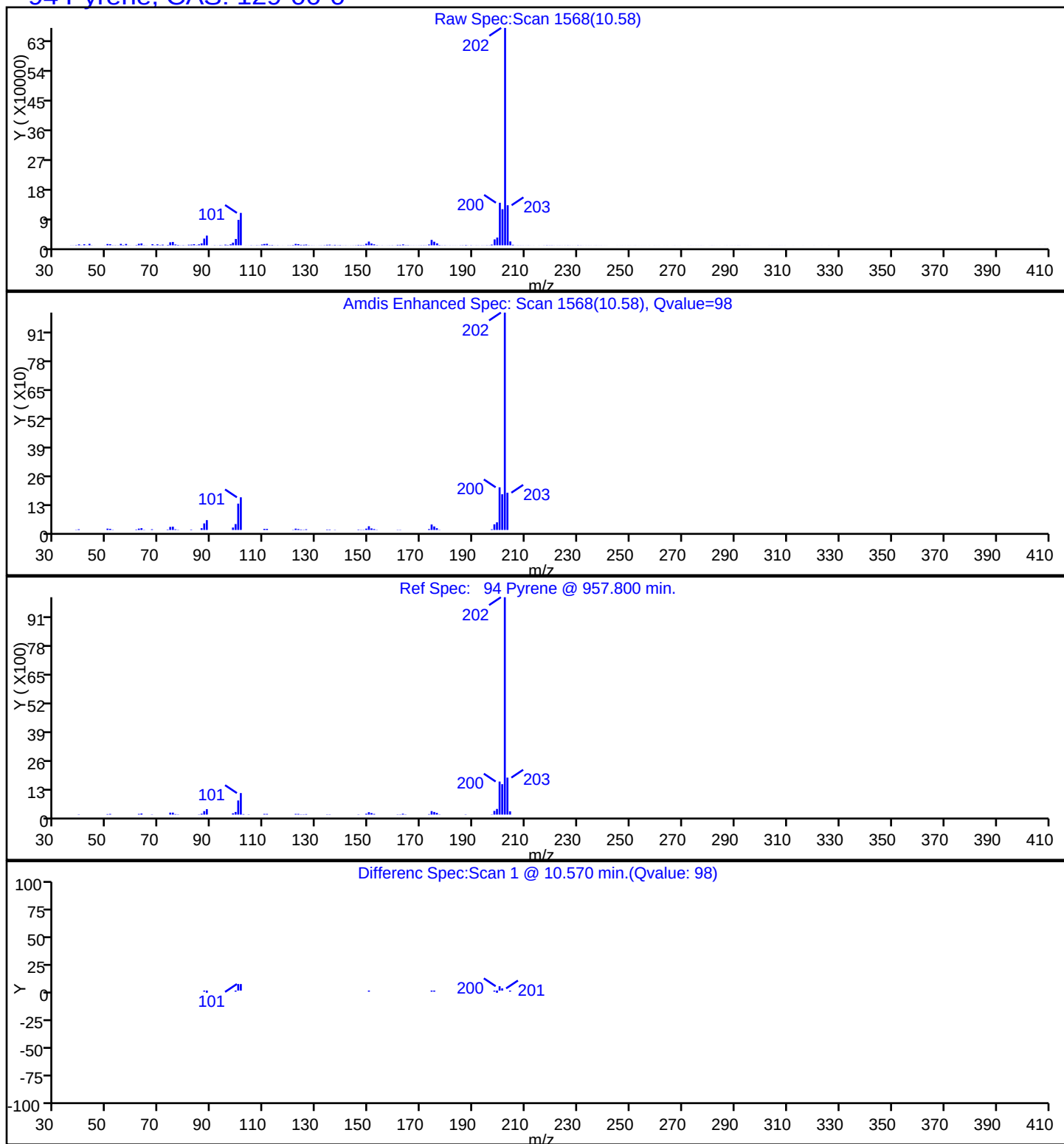
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

94 Pyrene, CAS: 129-00-0



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35662.D

Injection Date: 22-Aug-2015 17:10:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-11-A

Lab Sample ID: 460-99997-11

Client ID: ES-11

Operator ID:

ALS Bottle#:

22

Worklist Smp#:

22

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

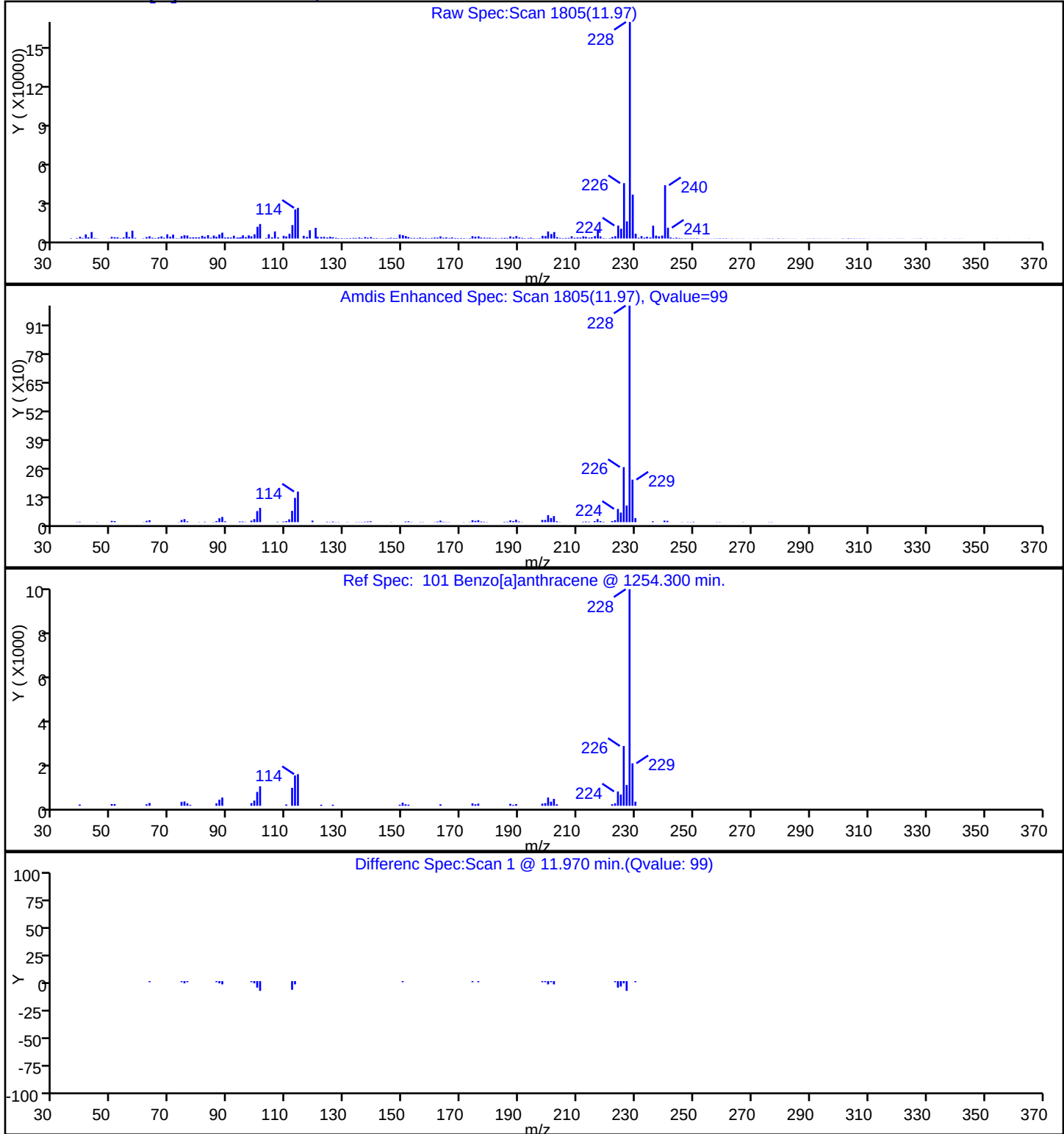
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

101 Benzo[a]anthracene, CAS: 56-55-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35662.D

Injection Date: 22-Aug-2015 17:10:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-11-A

Lab Sample ID: 460-99997-11

Client ID: ES-11

Operator ID:

ALS Bottle#:

22

Worklist Smp#:

22

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

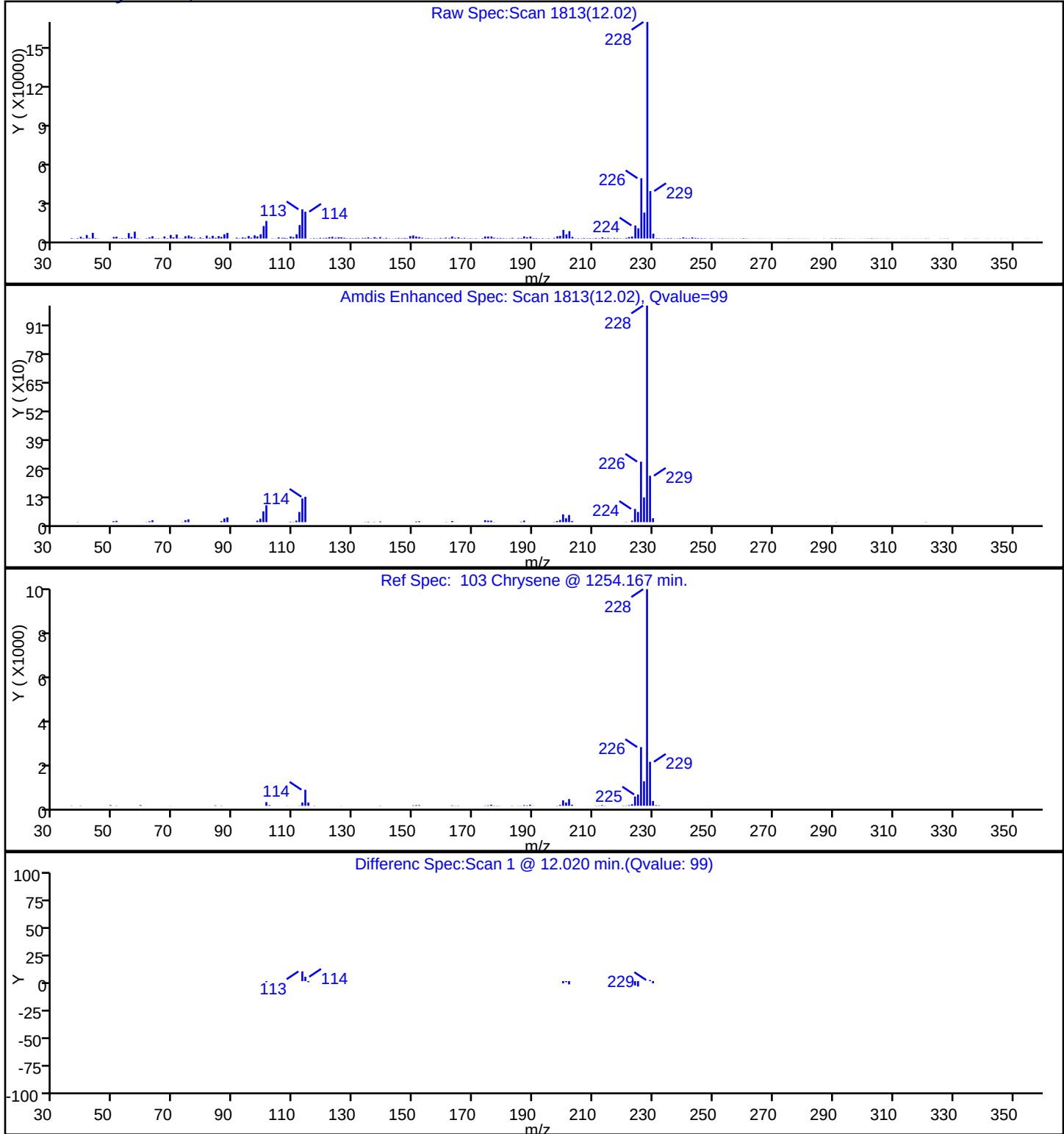
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

103 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35662.D

Injection Date: 22-Aug-2015 17:10:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-11-A

Lab Sample ID: 460-99997-11

Client ID: ES-11

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

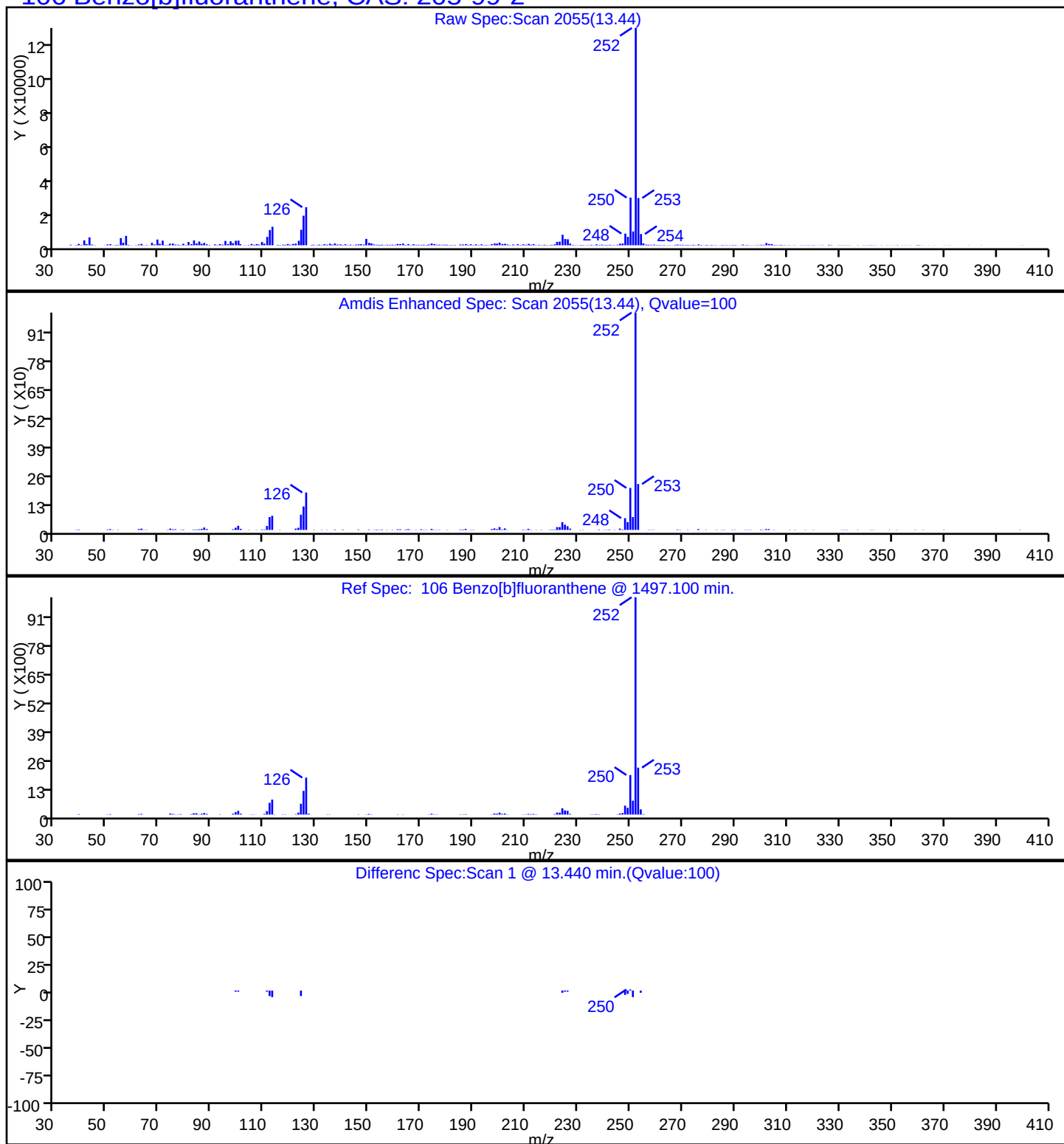
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

106 Benzo[b]fluoranthene, CAS: 205-99-2

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35662.D

Injection Date: 22-Aug-2015 17:10:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-11-A

Lab Sample ID: 460-99997-11

Client ID: ES-11

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

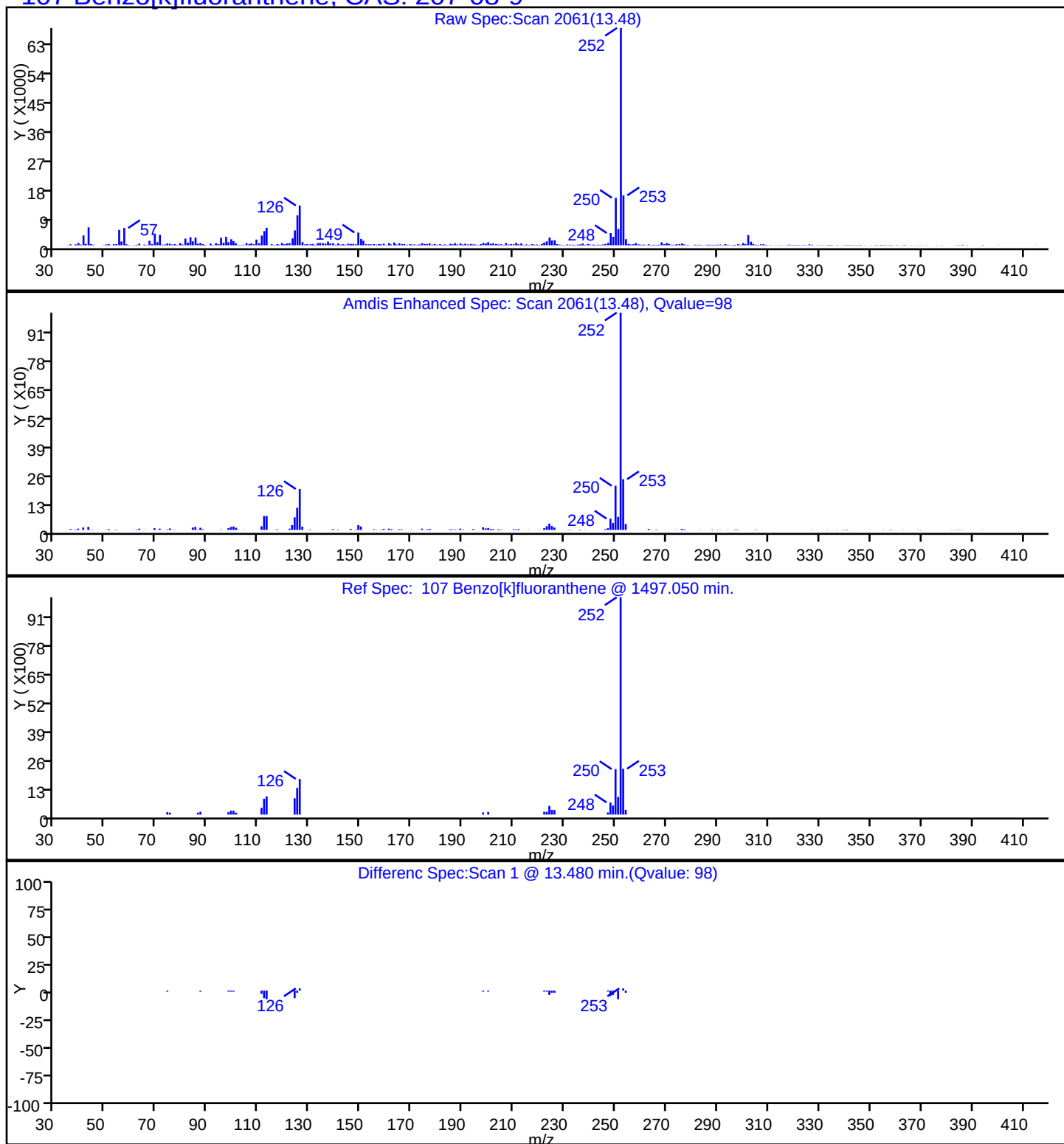
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

107 Benzo[k]fluoranthene, CAS: 207-08-9



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35662.D

Injection Date: 22-Aug-2015 17:10:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-11-A

Lab Sample ID: 460-99997-11

Client ID: ES-11

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

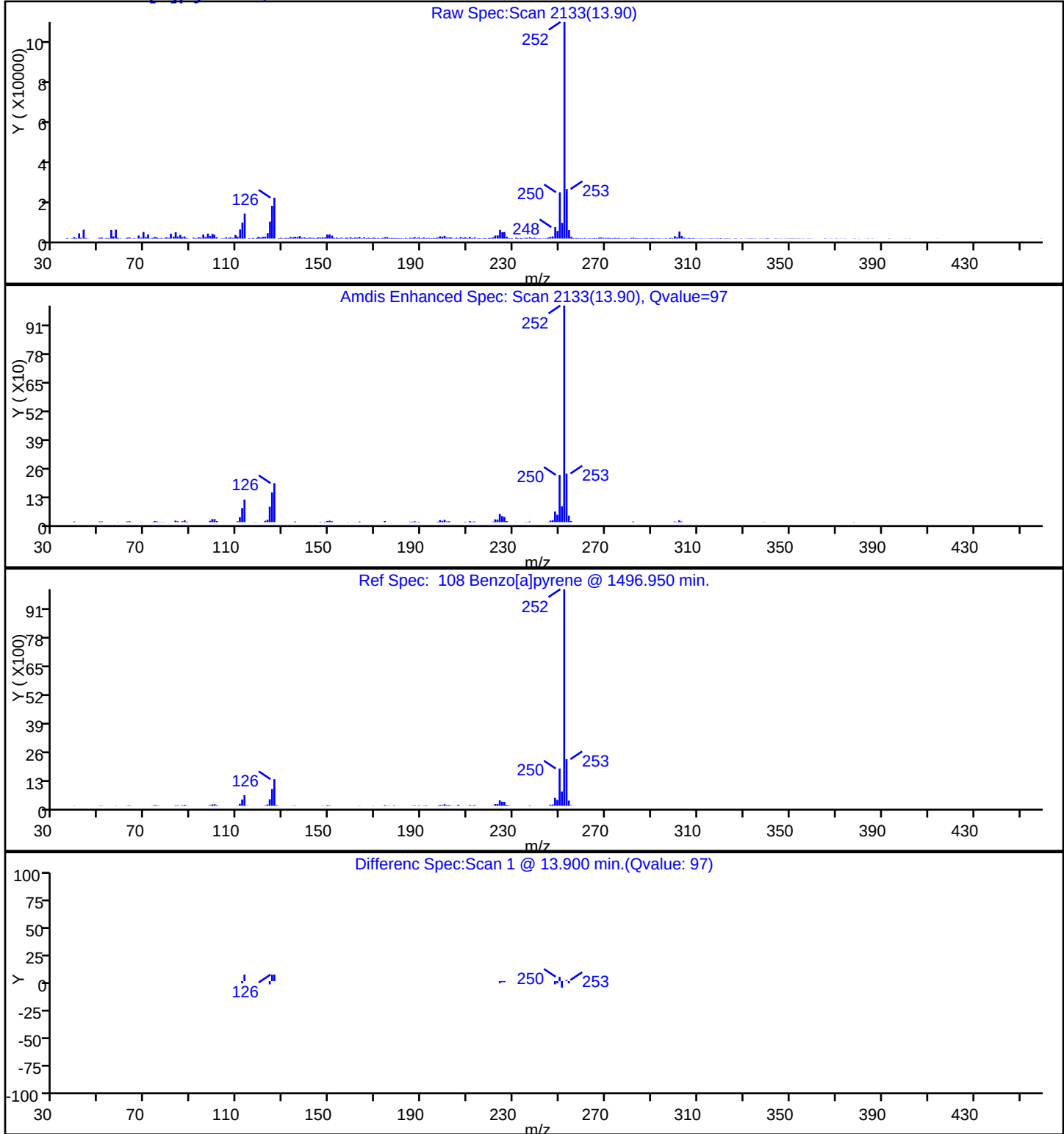
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

108 Benzo[a]pyrene, CAS: 50-32-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35662.D

Injection Date: 22-Aug-2015 17:10:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-11-A

Lab Sample ID: 460-99997-11

Client ID: ES-11

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

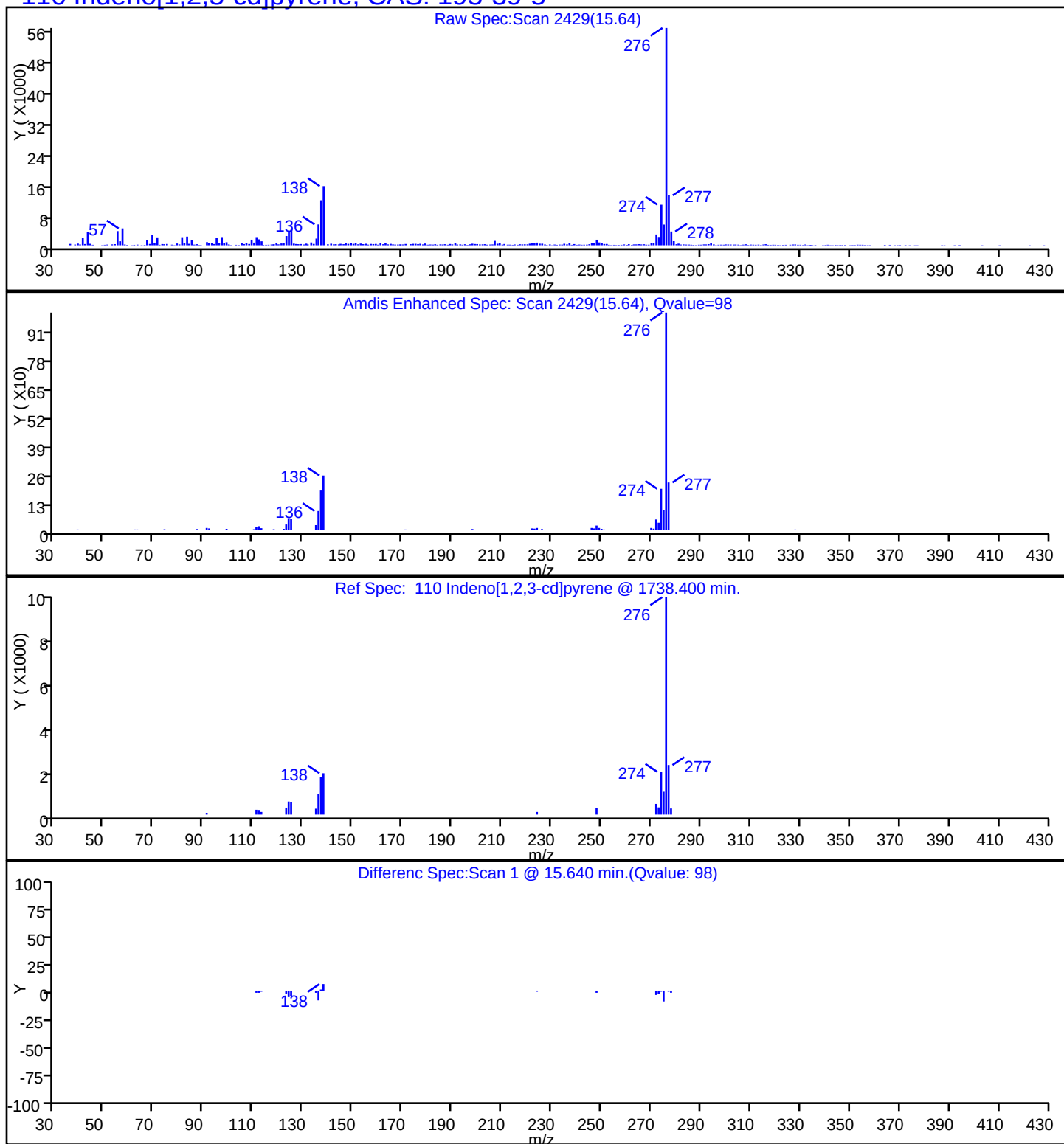
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35662.D

Injection Date: 22-Aug-2015 17:10:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-11-A

Lab Sample ID: 460-99997-11

Client ID: ES-11

Operator ID:

ALS Bottle#:

22

Worklist Smp#:

22

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

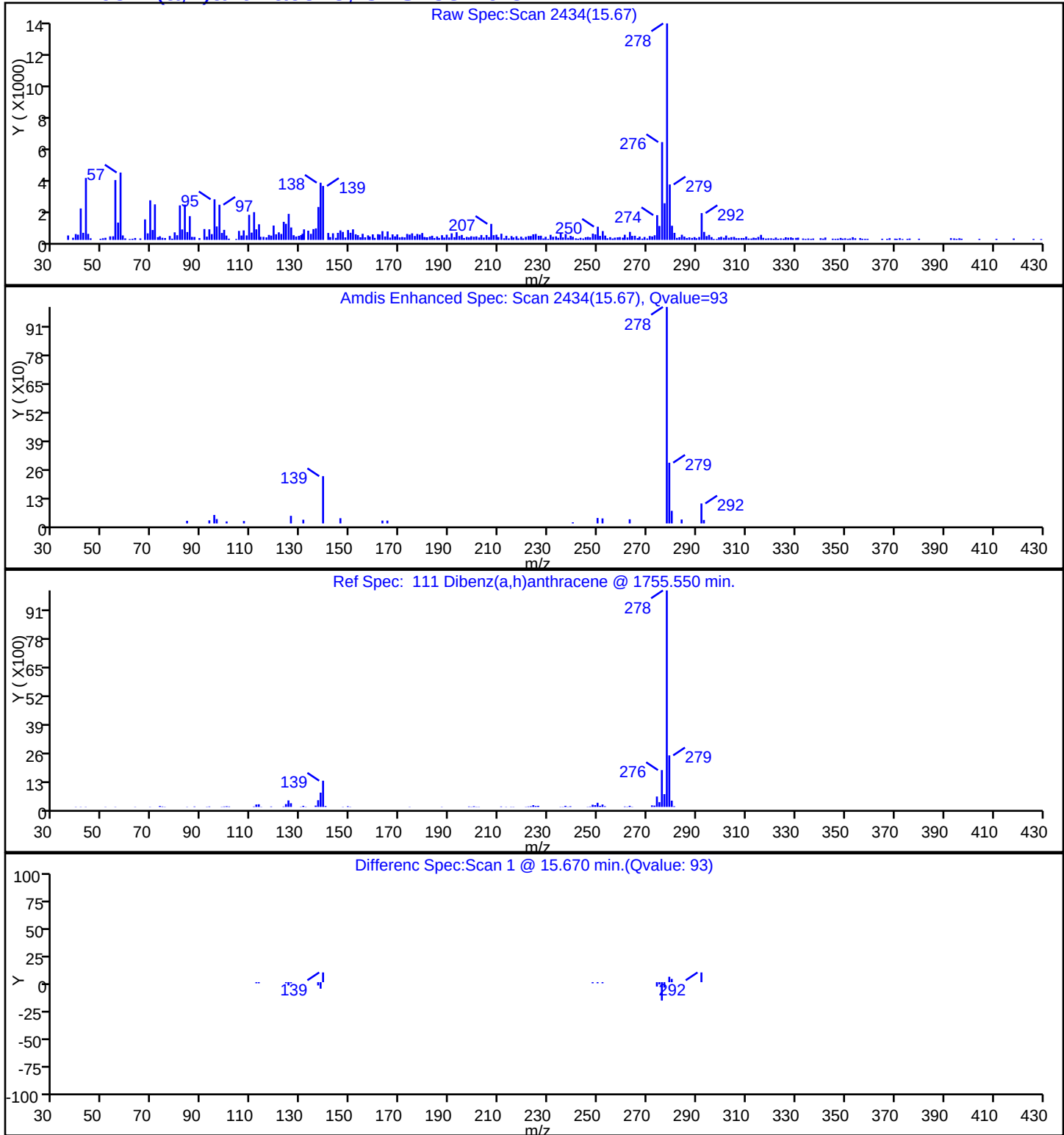
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

111 Dibenz(a,h)anthracene, CAS: 53-70-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35662.D

Injection Date: 22-Aug-2015 17:10:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-11-A

Lab Sample ID: 460-99997-11

Client ID: ES-11

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

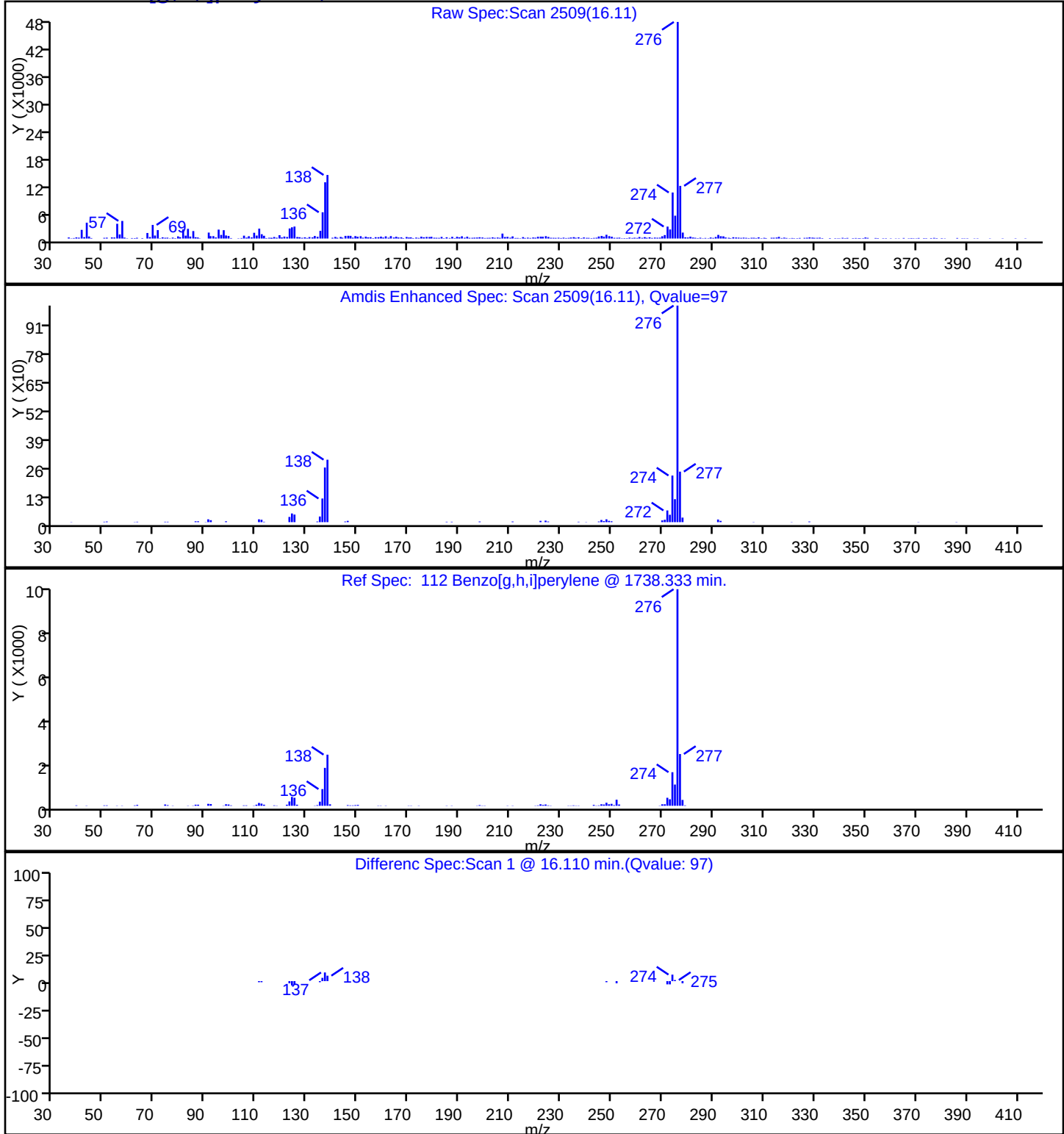
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

112 Benzo[g,h,i]perylene, CAS: 191-24-2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-12</u>	Lab Sample ID: <u>460-99997-12</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z35656.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>08/20/2015 12:30</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>08/21/2015 21:30</u>
Sample wt/vol: <u>15.0316(g)</u>	Date Analyzed: <u>08/22/2015 14:53</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>16.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318190</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.13	J	0.39	0.010
91-57-6	2-Methylnaphthalene	0.097	J	0.39	0.0087
208-96-8	Acenaphthylene	0.010	U	0.39	0.010
83-32-9	Acenaphthene	0.65		0.39	0.0095
86-73-7	Fluorene	0.33	J	0.39	0.0086
85-01-8	Phenanthrene	3.5		0.39	0.010
120-12-7	Anthracene	0.79		0.39	0.037
206-44-0	Fluoranthene	3.7		0.39	0.012
129-00-0	Pyrene	2.9		0.39	0.018
56-55-3	Benzo[a]anthracene	1.4		0.039	0.033
218-01-9	Chrysene	1.5		0.39	0.011
205-99-2	Benzo[b]fluoranthene	1.4		0.039	0.015
207-08-9	Benzo[k]fluoranthene	0.60		0.039	0.017
50-32-8	Benzo[a]pyrene	1.1		0.039	0.012
193-39-5	Indeno[1,2,3-cd]pyrene	1.1		0.039	0.026
53-70-3	Dibenz(a,h)anthracene	0.27		0.039	0.020
191-24-2	Benzo[g,h,i]perylene	0.91		0.39	0.023

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	81		30-130
1718-51-0	Terphenyl-d14	89		30-130
321-60-8	2-Fluorobiphenyl	88		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35656.D
 Lims ID: 460-99997-E-12-A Lab Sample ID: 460-99997-12
 Client ID: ES-12
 Sample Type: Client
 Inject. Date: 22-Aug-2015 14:53:30 ALS Bottle#: 16 Worklist Smp#: 16
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031003-016
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Aug-2015 21:31:43 Calib Date: 19-Aug-2015 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35546.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: szczecha

Date: 24-Aug-2015 10:56:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.600	3.336	0.264	95	414811	35.3	
\$ 6 Phenol-d5	99	4.294	4.259	0.035	86	505183	36.6	
* 14 1,4-Dichlorobenzene-d4	152	4.647	4.612	0.035	96	366387	40.0	
22 Acetophenone	105	5.036	5.036	0.000	97	8798	0.6376	
\$ 26 Nitrobenzene-d5	82	5.189	5.183	0.005	91	446677	40.7	
31 Isophorone	82	5.441	5.453	-0.012	98	781920	43.9	
* 38 Naphthalene-d8	136	5.906	5.894	0.012	99	1241420	40.0	
39 Naphthalene	128	5.924	5.930	-0.006	99	48877	1.59	
44 2-Methylnaphthalene	142	6.618	6.618	0.000	87	24657	1.22	
\$ 51 2-Fluorobiphenyl	172	6.983	6.983	-0.001	98	915787	43.9	
52 1,1'-Biphenyl	154	7.077	7.088	-0.011	95	11789	0.5053	
* 65 Acenaphthene-d10	164	7.659	7.659	0.000	92	564589	40.0	
67 Acenaphthene	154	7.688	7.700	-0.012	94	137641	8.15	
71 Dibenzofuran	168	7.859	7.871	-0.012	96	106736	4.85	
74 Fluorene	166	8.200	8.206	-0.006	97	69445	4.12	
\$ 80 2,4,6-Tribromophenol	330	8.441	8.447	-0.006	94	78122	44.5	
* 87 Phenanthrene-d10	188	9.135	9.129	0.006	99	612399	40.0	
88 Phenanthrene	178	9.159	9.165	-0.006	97	780073	44.3	
89 Anthracene	178	9.206	9.212	-0.006	99	177646	10.0	
90 Carbazole	167	9.359	9.365	-0.006	95	64345	4.47	
91 Di-n-butyl phthalate	149	9.694	9.694	0.000	98	67659	4.17	
92 Fluoranthene	202	10.341	10.341	0.000	98	637136	46.9	
94 Pyrene	202	10.576	10.576	0.000	98	502428	36.7	
\$ 96 Terphenyl-d14	244	10.729	10.729	0.000	99	370904	44.5	
97 Butyl benzyl phthalate	149	11.270	11.271	-0.001	96	47652	10.0	
101 Benzo[a]anthracene	228	11.970	11.976	-0.006	99	148551	17.9	
* 102 Chrysene-d12	240	11.988	11.982	0.006	99	277139	40.0	
104 Bis(2-ethylhexyl) phthalat	149	12.000	11.994	0.006	91	737248	118.9	
103 Chrysene	228	12.017	12.023	-0.006	99	141502	19.1	
105 Di-n-octyl phthalate	149	12.882	12.888	-0.006	88	728690	60.6	
106 Benzo[b]fluoranthene	252	13.447	13.447	0.000	99	141616	17.5	
107 Benzo[k]fluoranthene	252	13.482	13.482	0.000	1	61116	7.55	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
108 Benzo[a]pyrene	252	13.917	13.906	0.011	96	98623	13.8	
* 109 Perylene-d12	264	14.000	13.982	0.018	97	268770	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.653	15.647	0.006	99	73251	13.4	
111 Dibenzo(a,h)anthracene	278	15.682	15.676	0.006	94	18590	3.35	
112 Benzo[g,h,i]perylene	276	16.117	16.117	0.000	96	68309	11.5	

Reagents:

SM_ISTD_00091

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35656.D

Injection Date: 22-Aug-2015 14:53:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: 460-99997-E-12-A

Lab Sample ID: 460-99997-12

Worklist Smp#: 16

Client ID: ES-12

Injection Vol: 1.0 ul

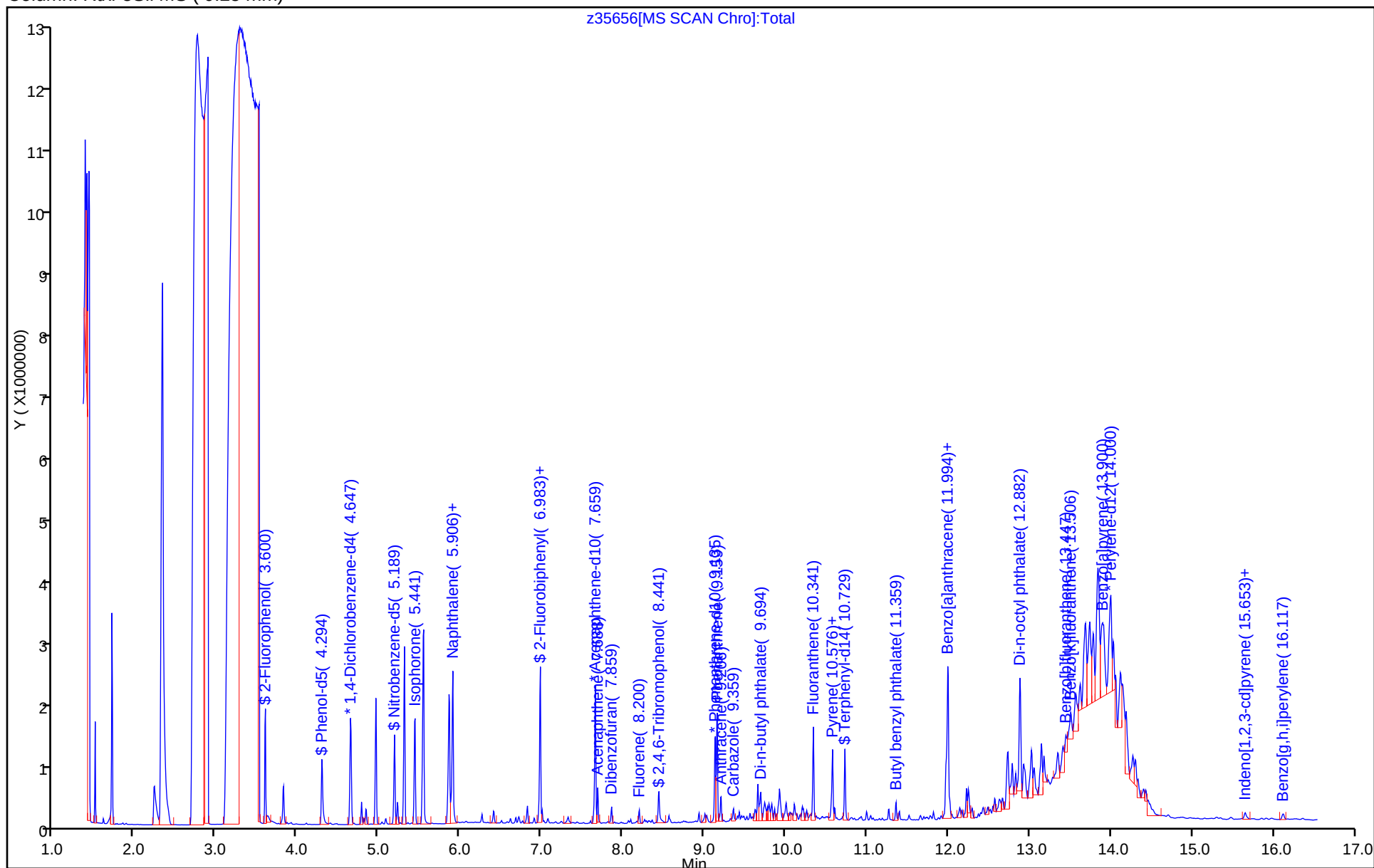
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35656.D

Injection Date: 22-Aug-2015 14:53:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-12-A

Lab Sample ID: 460-99997-12

Client ID: ES-12

Operator ID:

ALS Bottle#: 16 Worklist Smp#: 16

Injection Vol: 1.0 ul

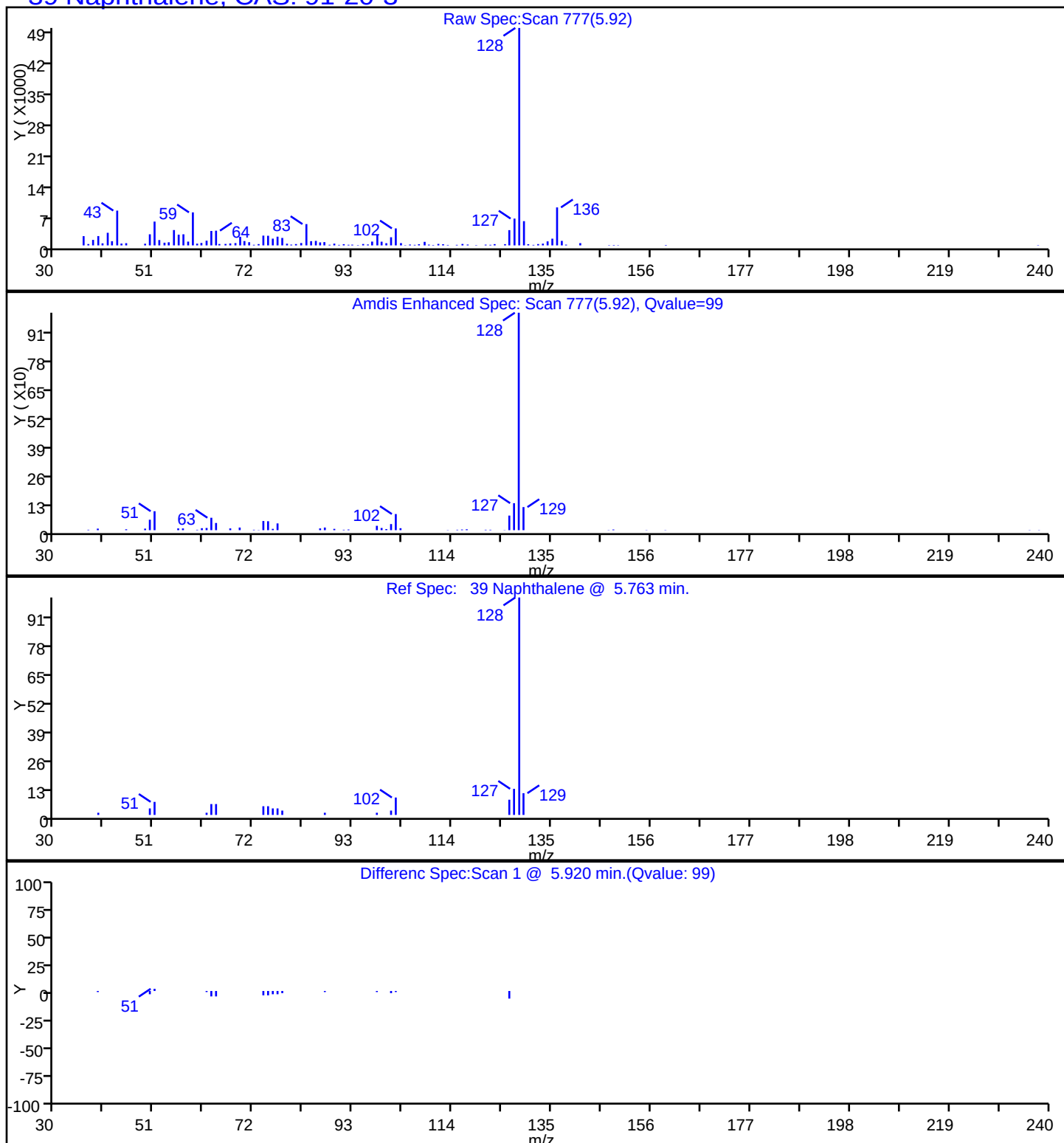
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

39 Naphthalene, CAS: 91-20-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35656.D

Injection Date: 22-Aug-2015 14:53:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-12-A

Lab Sample ID: 460-99997-12

Client ID: ES-12

Operator ID:

ALS Bottle#: 16

Worklist Smp#: 16

Injection Vol: 1.0 ul

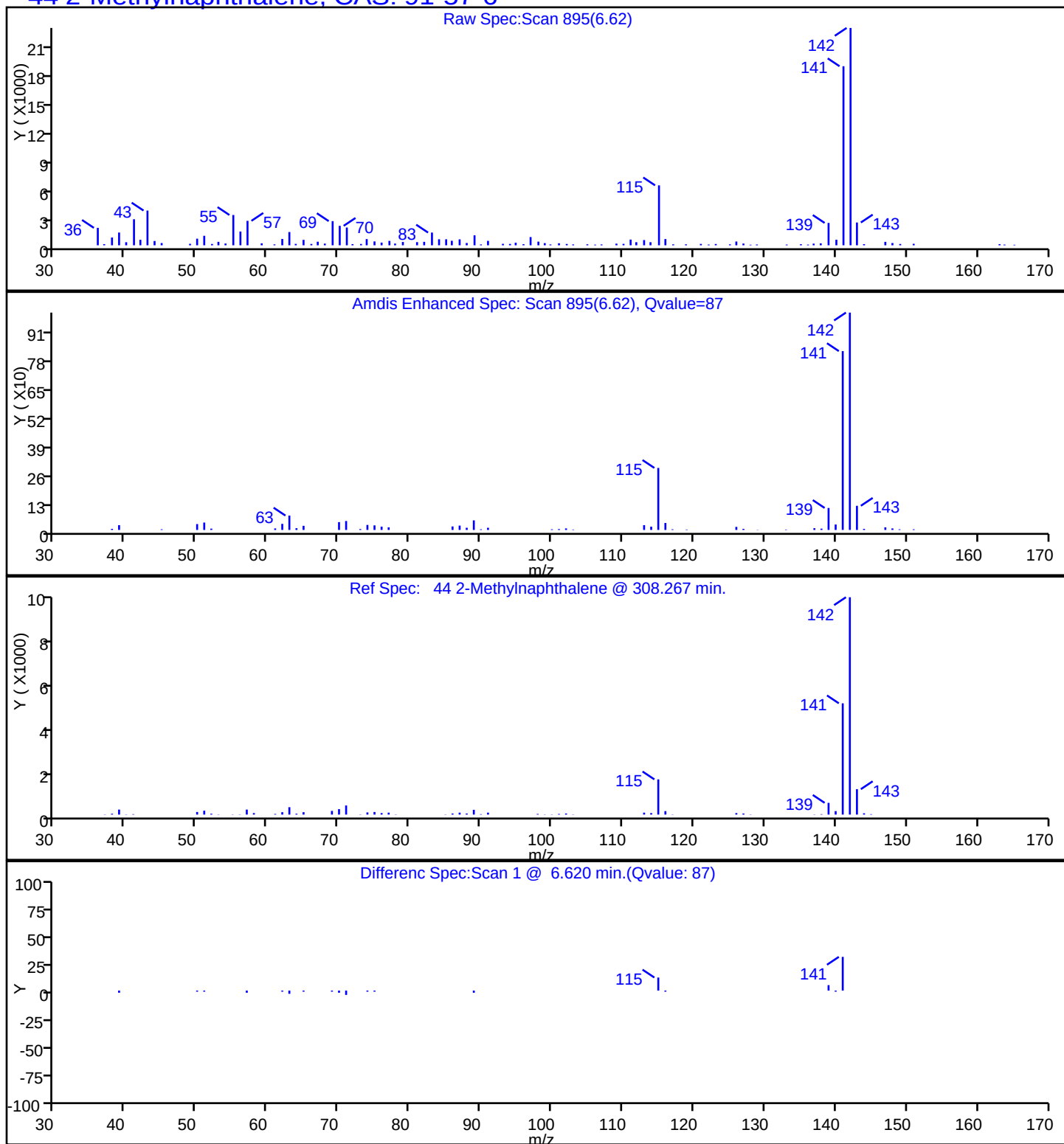
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

44 2-Methylnaphthalene, CAS: 91-57-6

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35656.D

Injection Date: 22-Aug-2015 14:53:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-12-A

Lab Sample ID: 460-99997-12

Client ID: ES-12

Operator ID:

ALS Bottle#:

Worklist Smp#: 16

Injection Vol: 1.0 ul

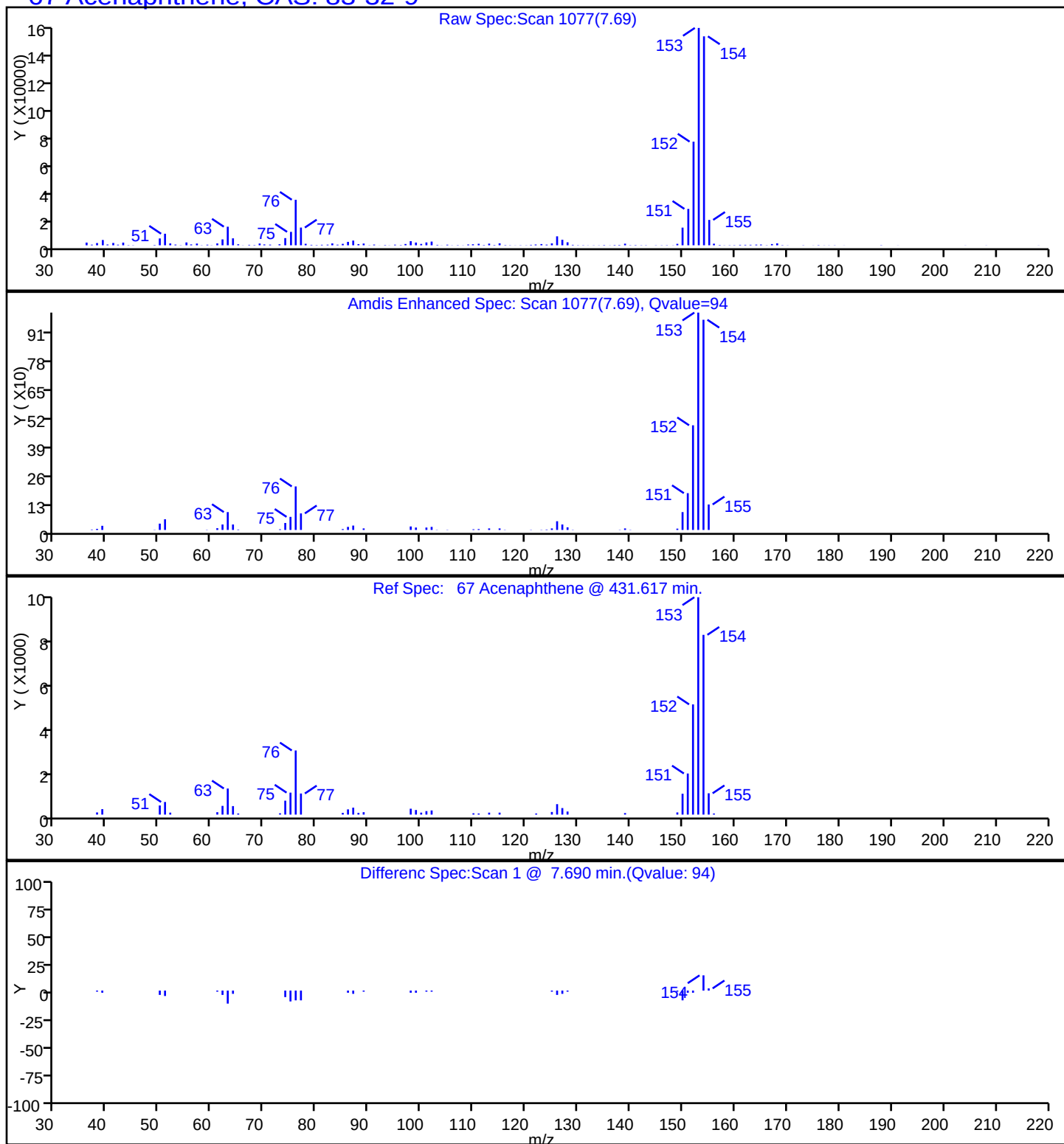
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

67 Acenaphthene, CAS: 83-32-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35656.D

Injection Date: 22-Aug-2015 14:53:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-12-A

Lab Sample ID: 460-99997-12

Client ID: ES-12

Operator ID:

ALS Bottle#: 16

Worklist Smp#: 16

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

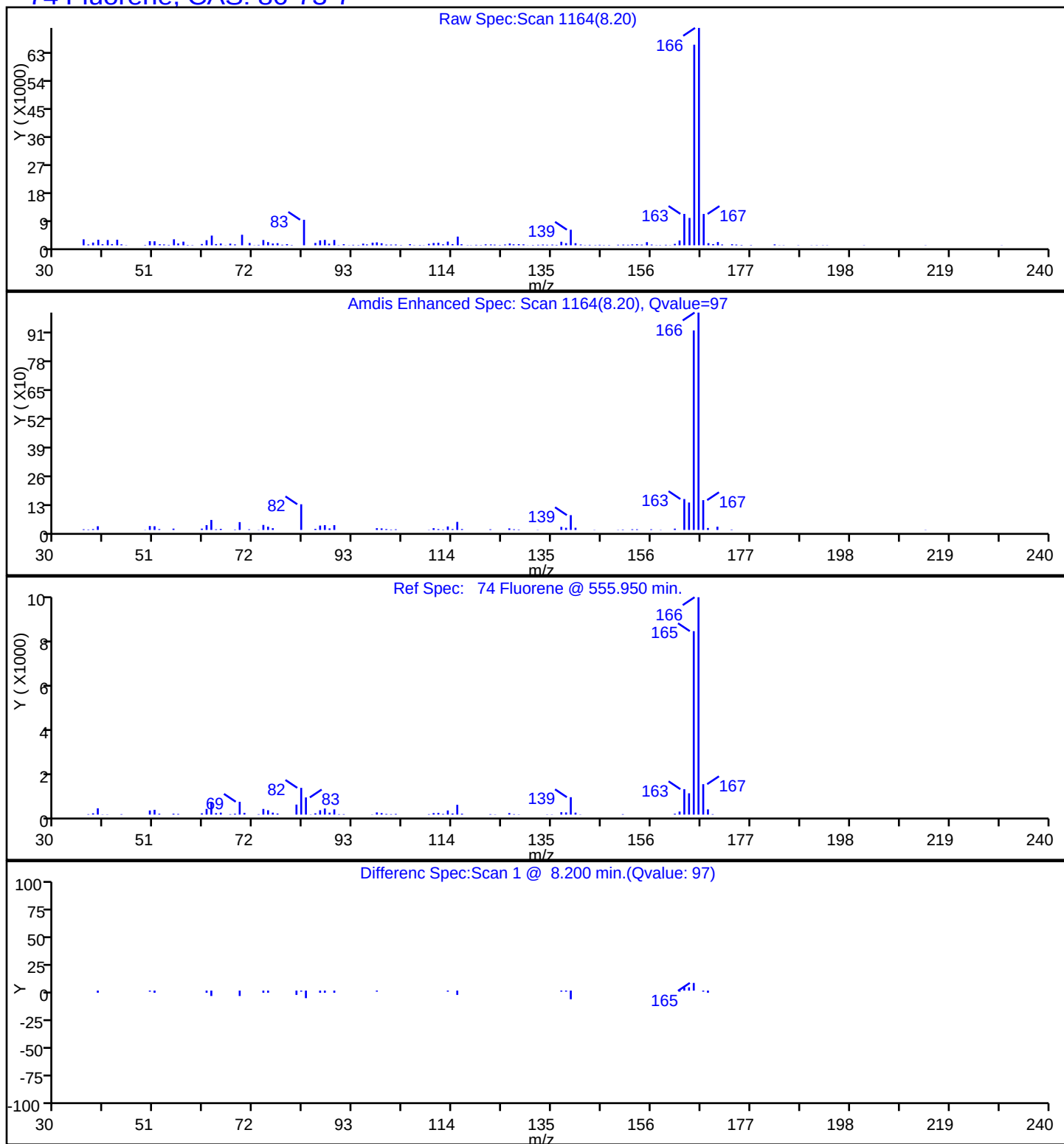
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

74 Fluorene, CAS: 86-73-7



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35656.D

Injection Date: 22-Aug-2015 14:53:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-12-A

Lab Sample ID: 460-99997-12

Client ID: ES-12

Operator ID:

ALS Bottle#: 16

Worklist Smp#: 16

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

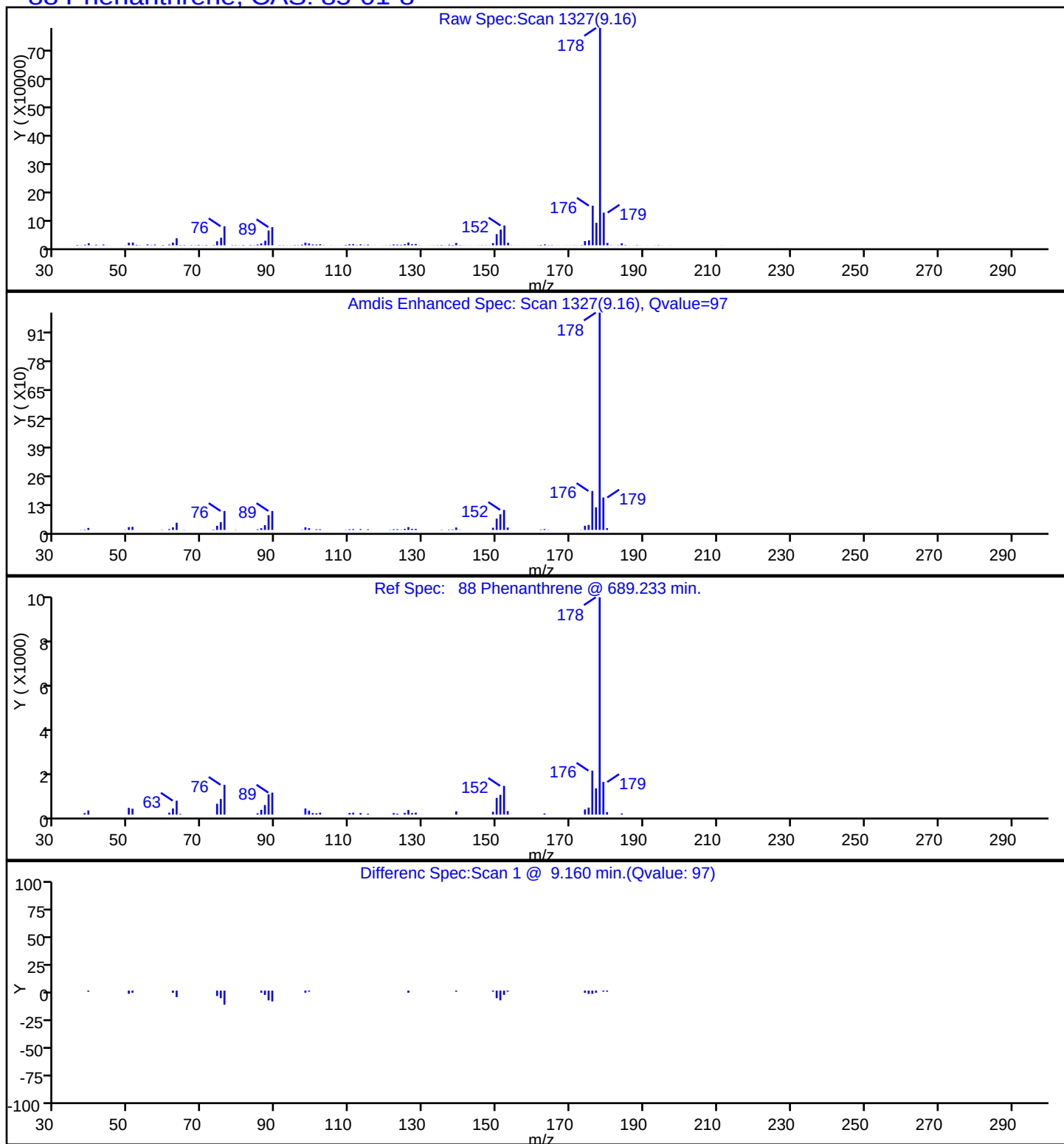
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

88 Phenanthrene, CAS: 85-01-8



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35656.D

Injection Date: 22-Aug-2015 14:53:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-12-A

Lab Sample ID: 460-99997-12

Client ID: ES-12

Operator ID:

ALS Bottle#: 16

Worklist Smp#: 16

Injection Vol: 1.0 ul

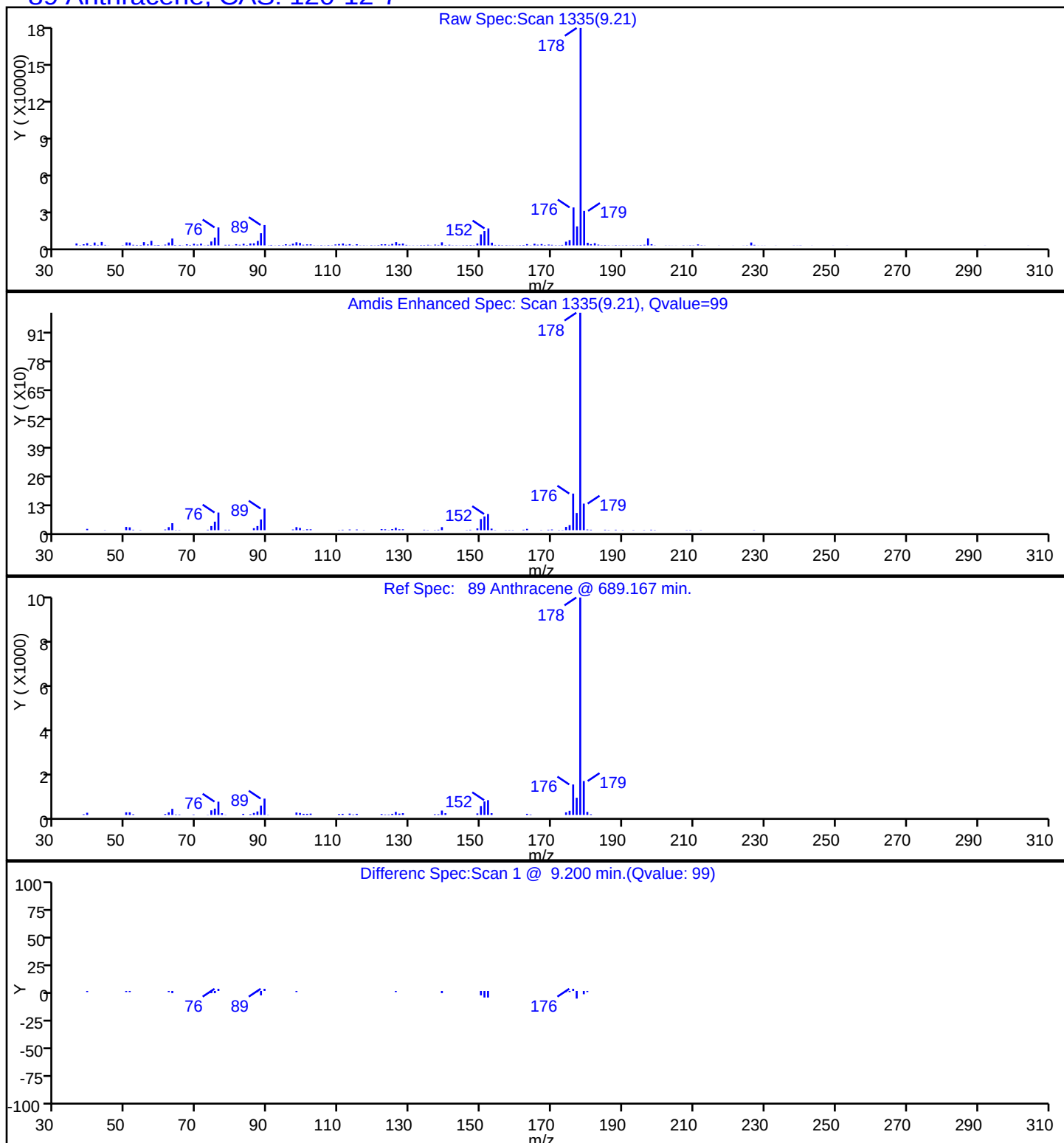
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

89 Anthracene, CAS: 120-12-7

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35656.D

Injection Date: 22-Aug-2015 14:53:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-12-A

Lab Sample ID: 460-99997-12

Client ID: ES-12

Operator ID:

ALS Bottle#:

16

Worklist Smp#:

16

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

Limit Group:

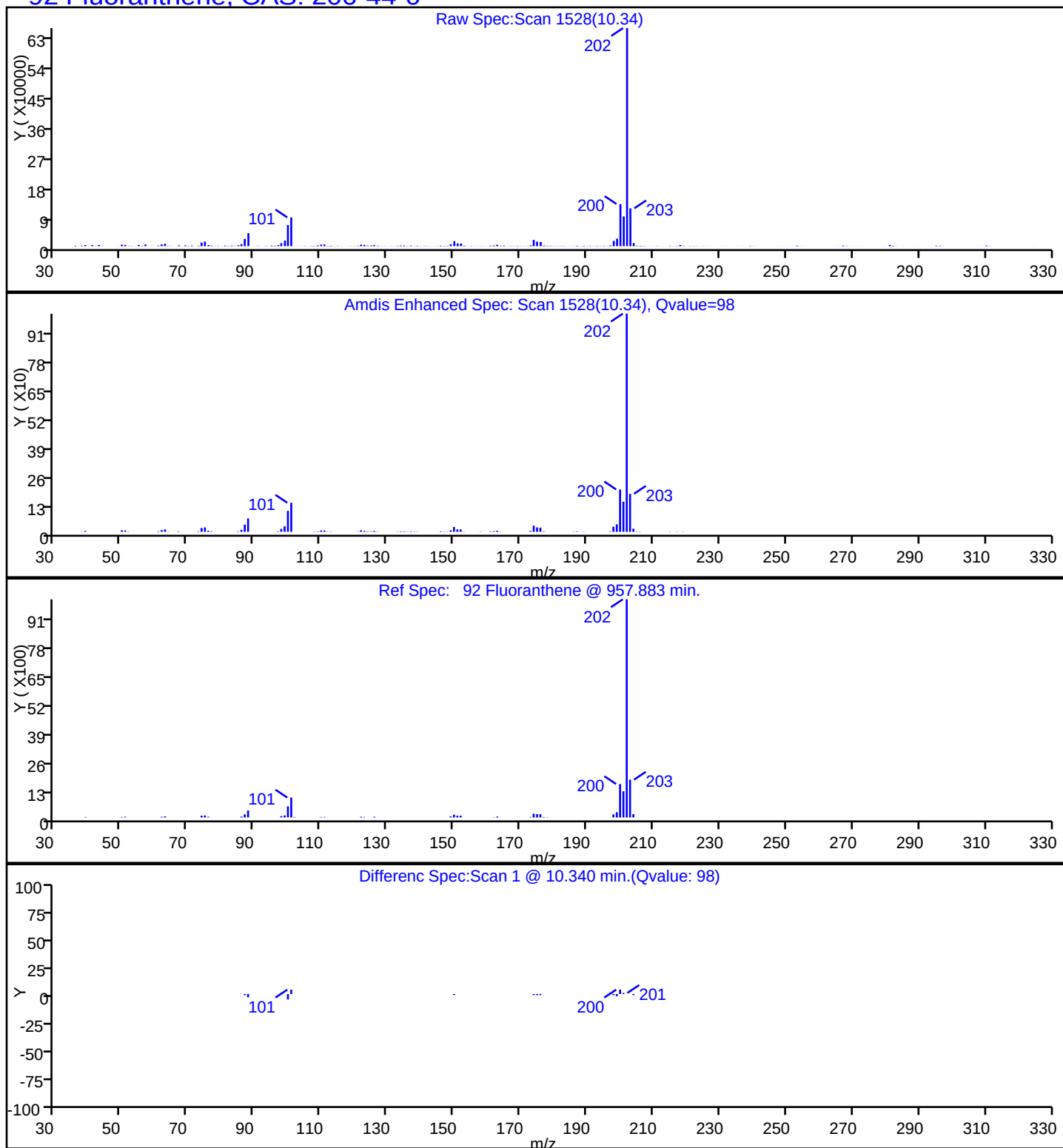
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

92 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35656.D

Injection Date: 22-Aug-2015 14:53:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-12-A

Lab Sample ID: 460-99997-12

Client ID: ES-12

Operator ID:

ALS Bottle#:

16

Worklist Smp#:

16

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

Limit Group:

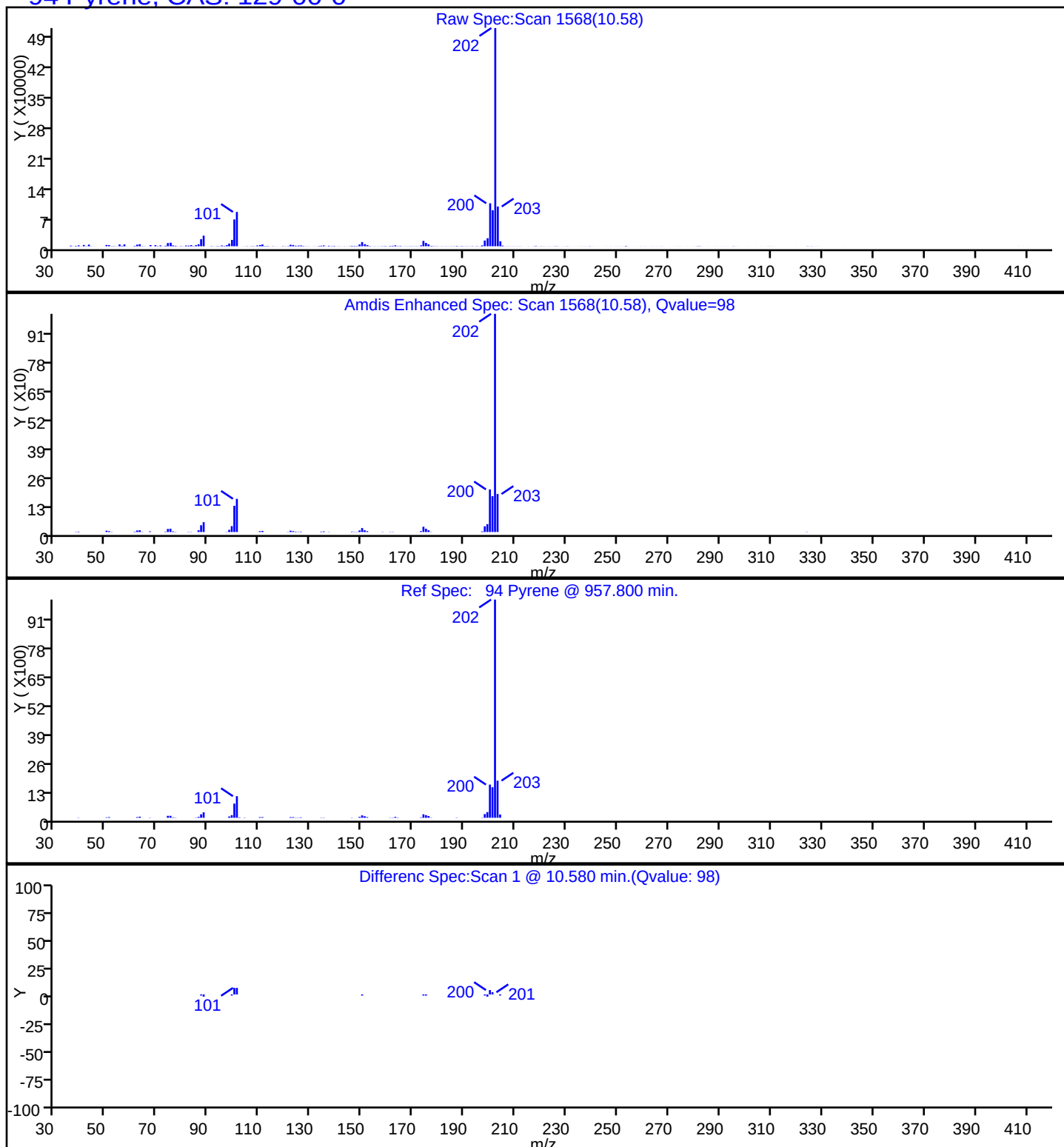
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

94 Pyrene, CAS: 129-00-0



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35656.D

Injection Date: 22-Aug-2015 14:53:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-12-A

Lab Sample ID: 460-99997-12

Client ID: ES-12

Operator ID:

ALS Bottle#:

Worklist Smp#: 16

Injection Vol: 1.0 ul

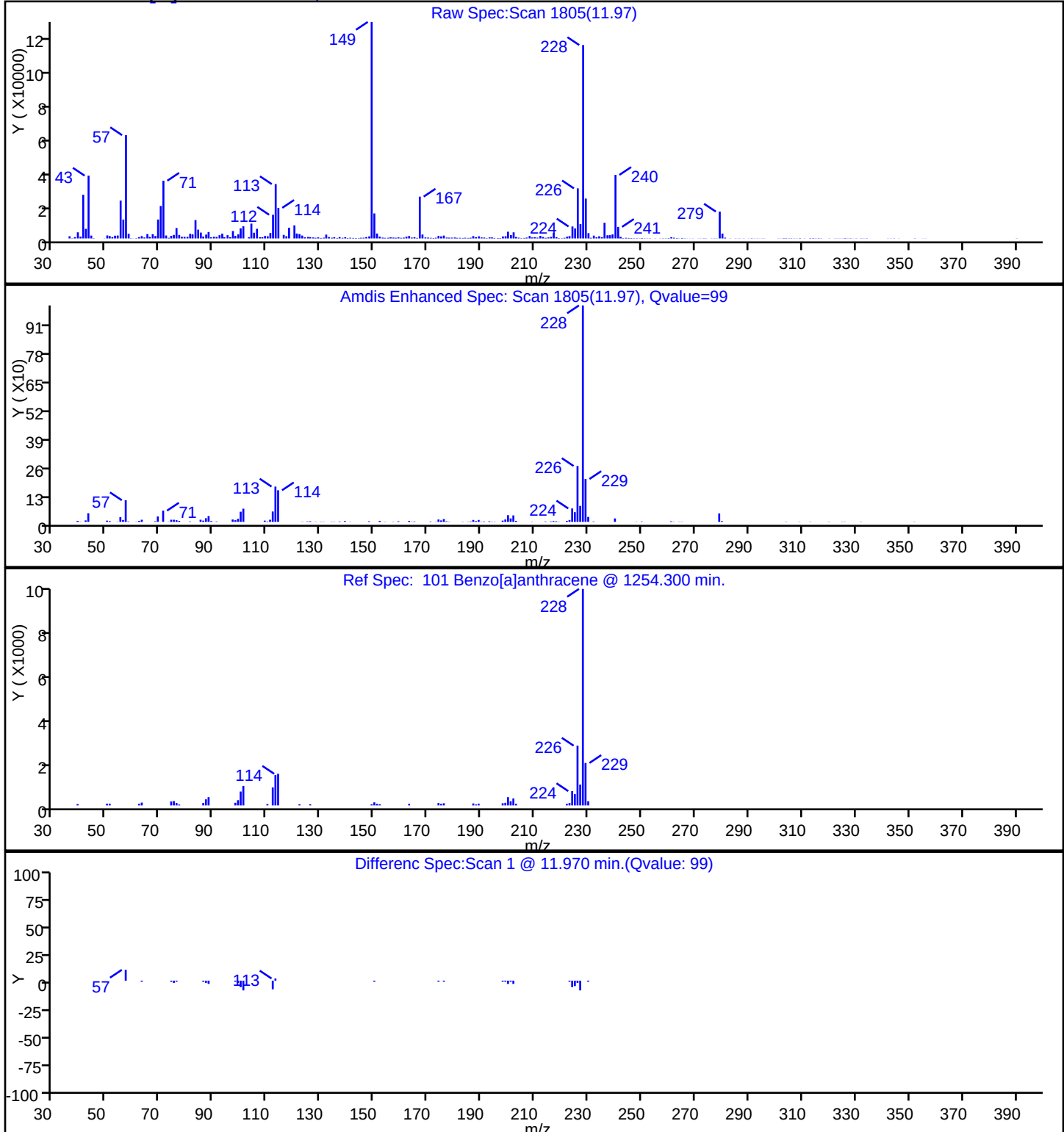
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

101 Benzo[a]anthracene, CAS: 56-55-3

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35656.D

Injection Date: 22-Aug-2015 14:53:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-12-A

Lab Sample ID: 460-99997-12

Client ID: ES-12

Operator ID:

ALS Bottle#: 16

Worklist Smp#: 16

Injection Vol: 1.0 ul

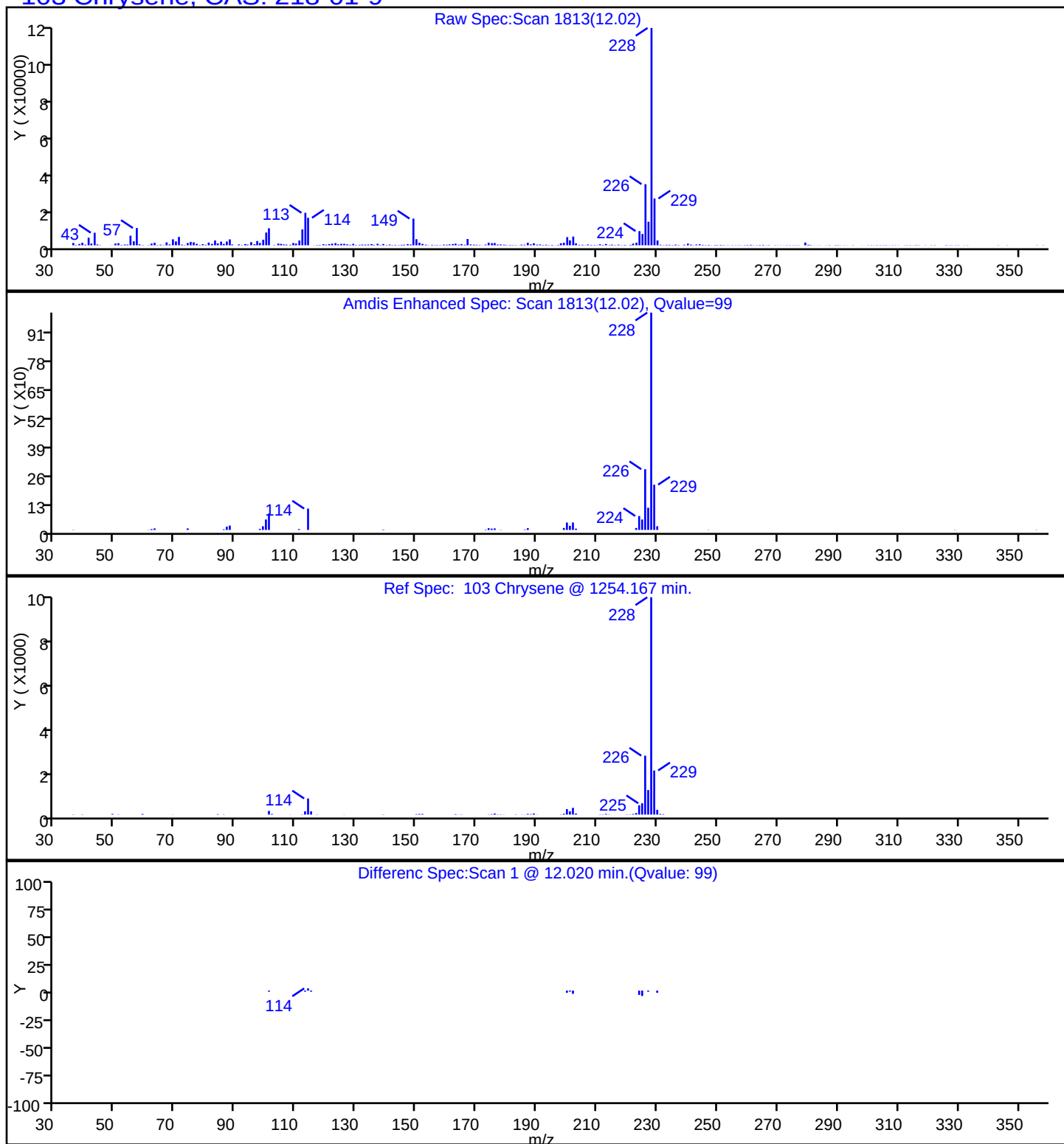
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

103 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35656.D

Injection Date: 22-Aug-2015 14:53:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-12-A

Lab Sample ID: 460-99997-12

Client ID: ES-12

Operator ID:

ALS Bottle#: 16

Worklist Smp#: 16

Injection Vol: 1.0 ul

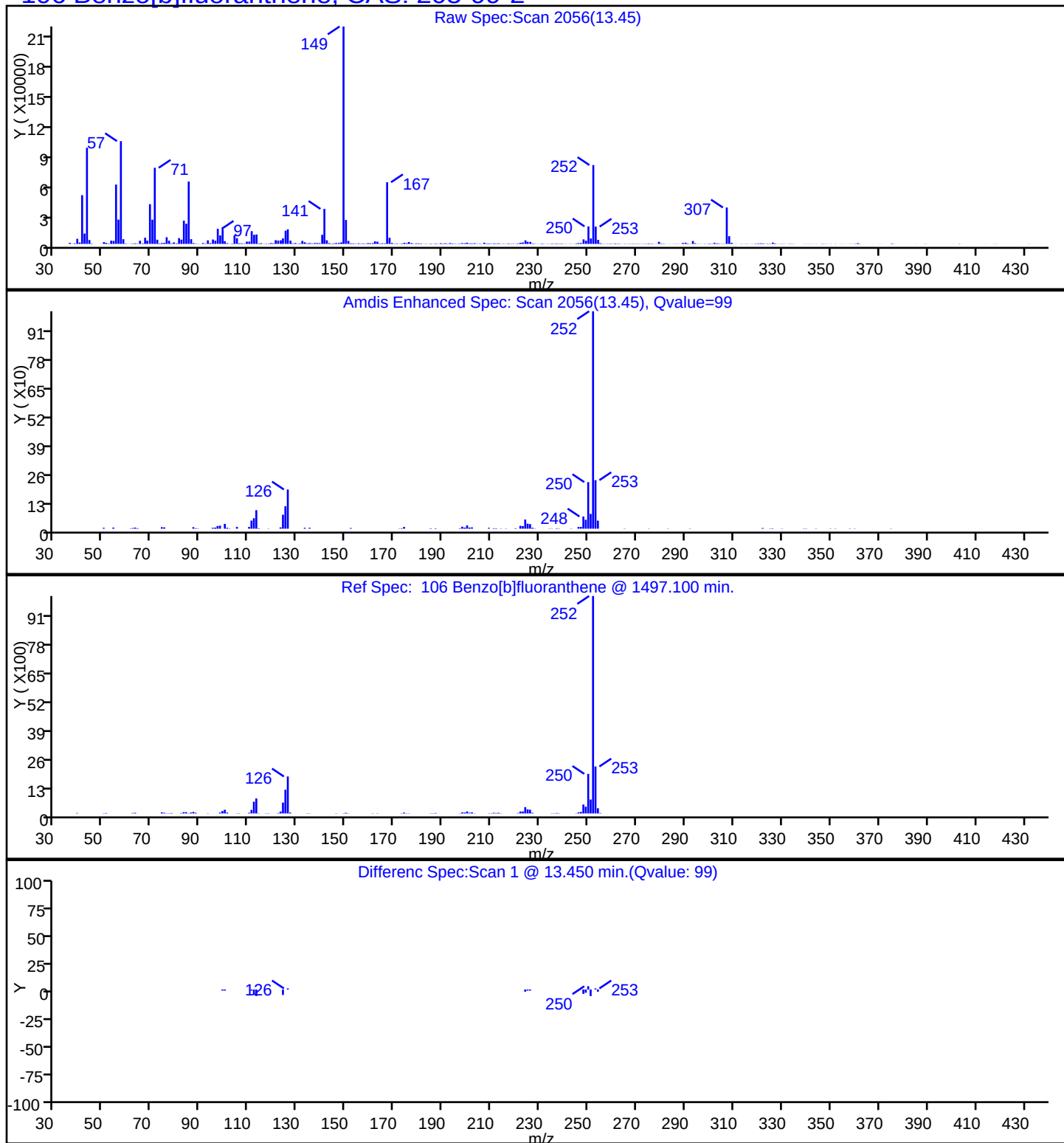
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

106 Benzo[b]fluoranthene, CAS: 205-99-2

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35656.D

Injection Date: 22-Aug-2015 14:53:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-12-A

Lab Sample ID: 460-99997-12

Client ID: ES-12

Operator ID:

ALS Bottle#:

16

Worklist Smp#:

16

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

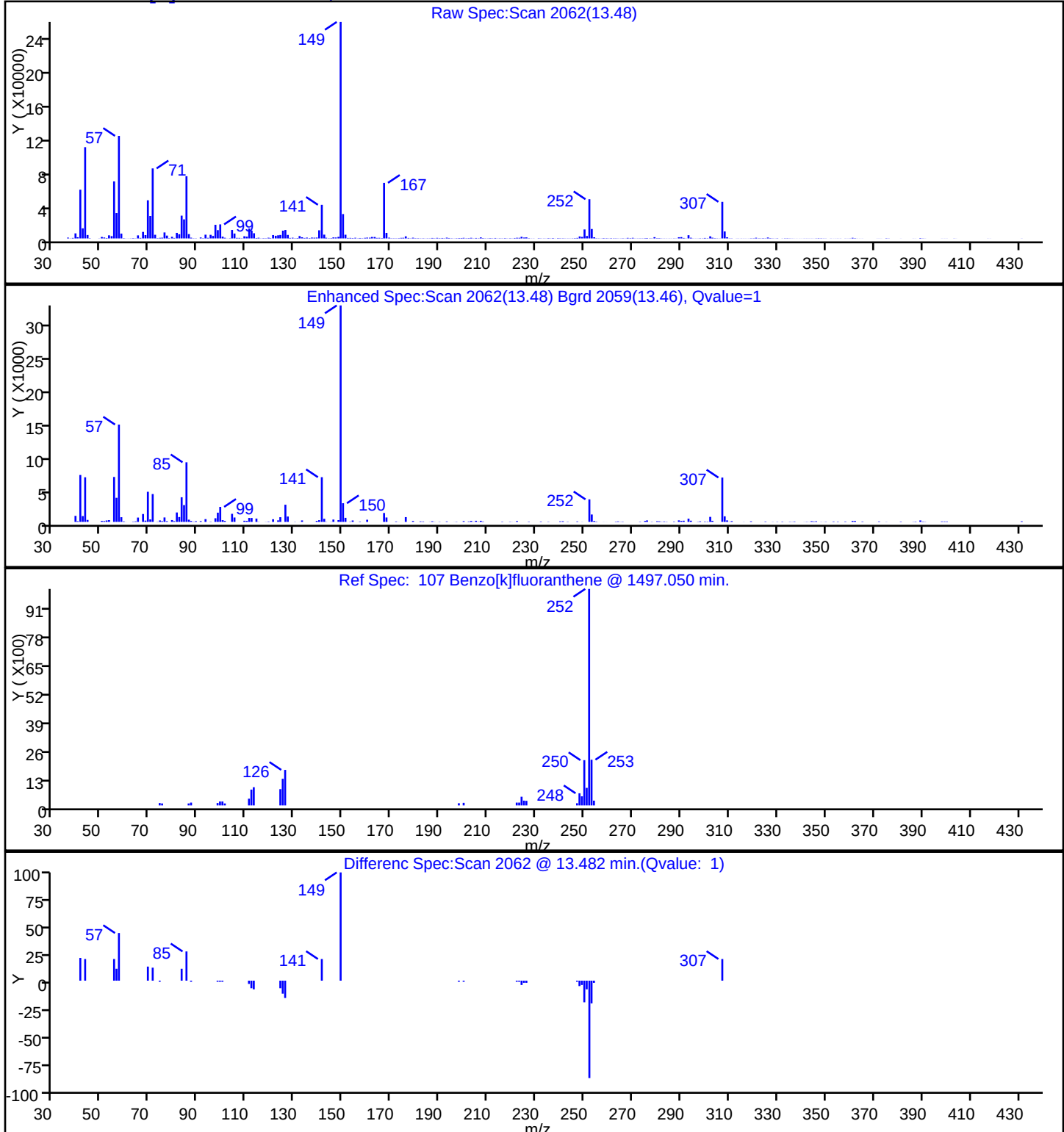
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

107 Benzo[k]fluoranthene, CAS: 207-08-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35656.D

Injection Date: 22-Aug-2015 14:53:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-12-A

Lab Sample ID: 460-99997-12

Client ID: ES-12

Operator ID:

ALS Bottle#:

Worklist Smp#: 16

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

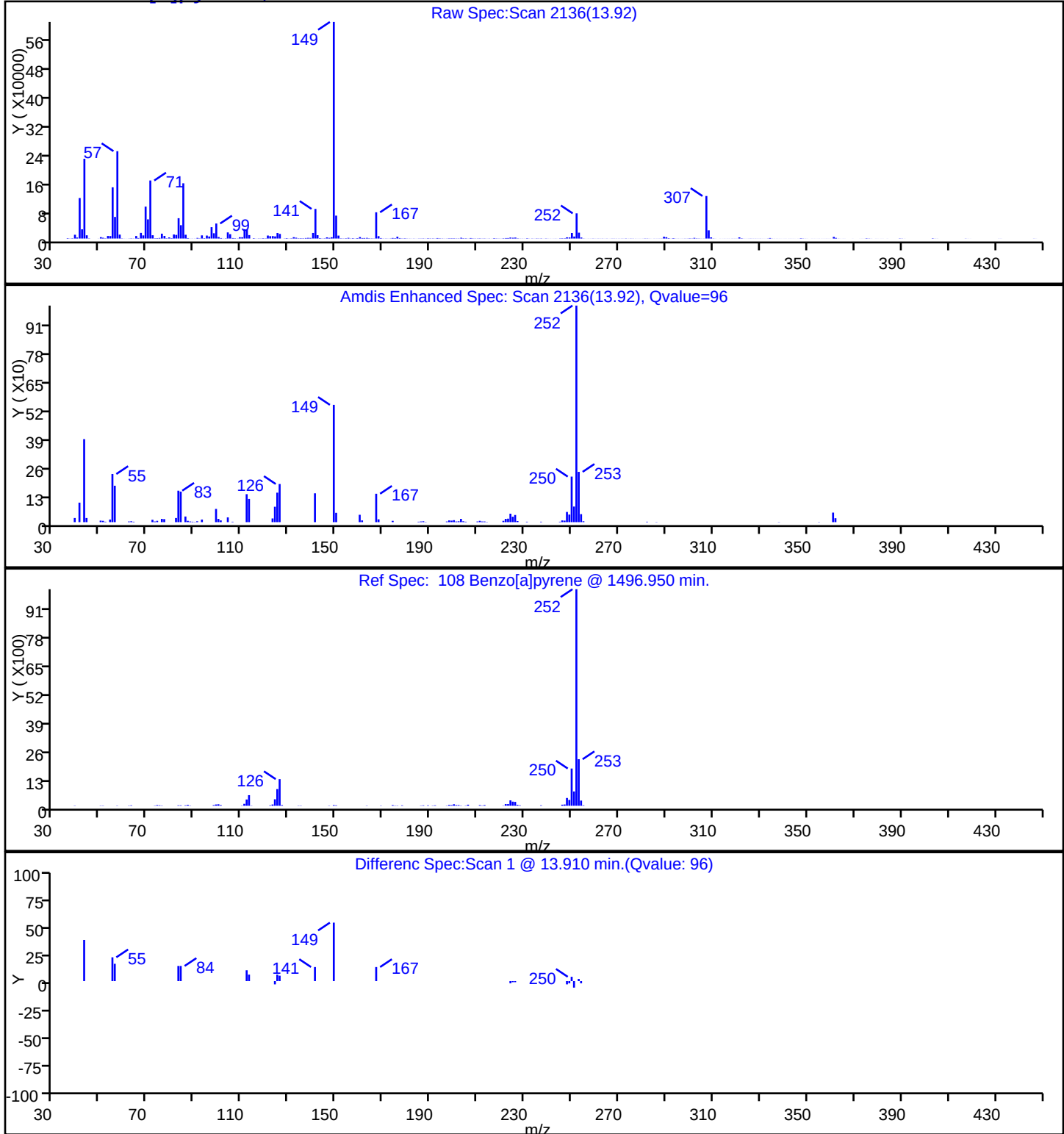
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

108 Benzo[a]pyrene, CAS: 50-32-8

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35656.D

Injection Date: 22-Aug-2015 14:53:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-12-A

Lab Sample ID: 460-99997-12

Client ID: ES-12

Operator ID:

ALS Bottle#: 16

Worklist Smp#: 16

Injection Vol: 1.0 ul

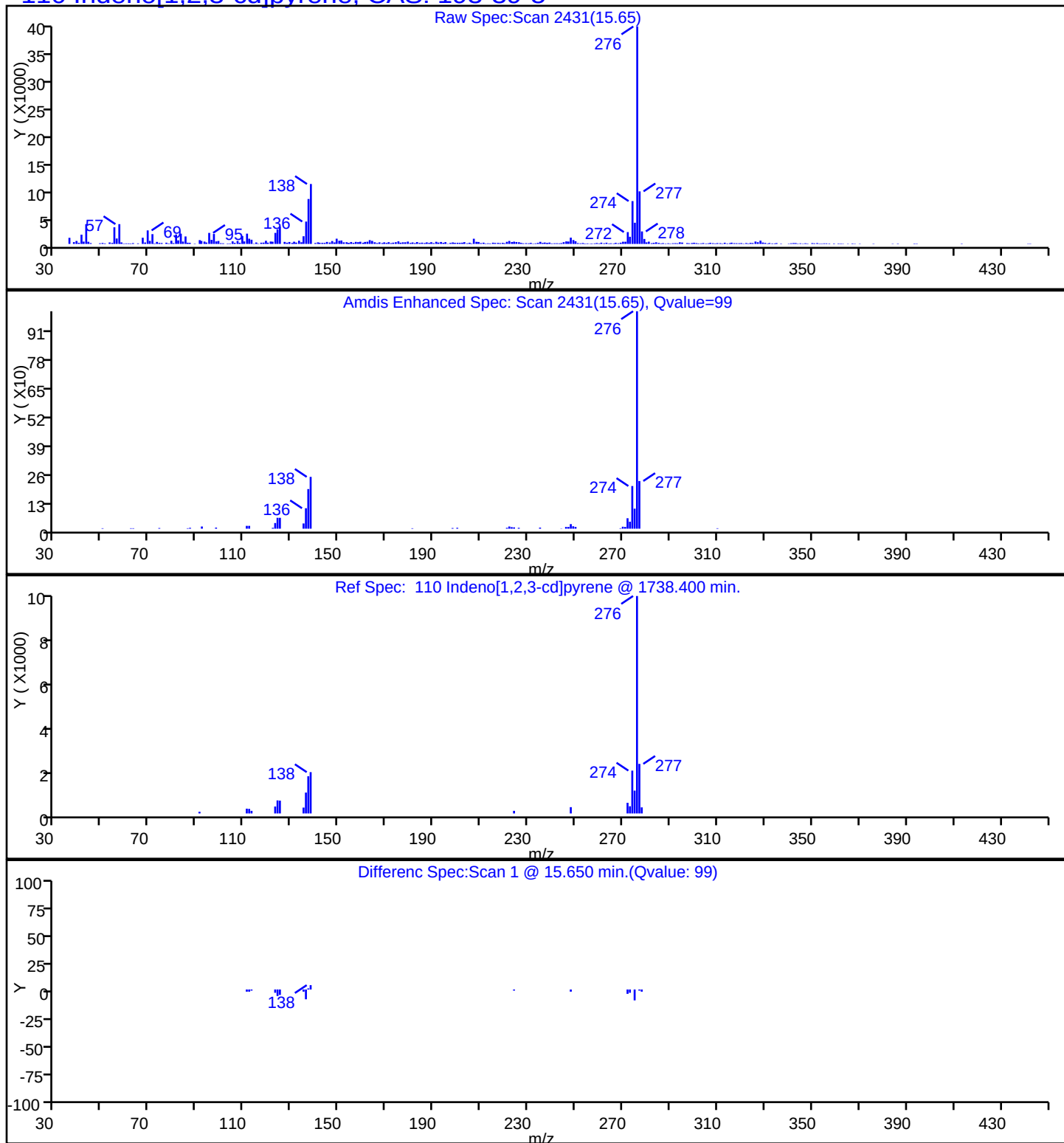
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35656.D

Injection Date: 22-Aug-2015 14:53:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-12-A

Lab Sample ID: 460-99997-12

Client ID: ES-12

Operator ID:

ALS Bottle#:

16

Worklist Smp#:

16

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

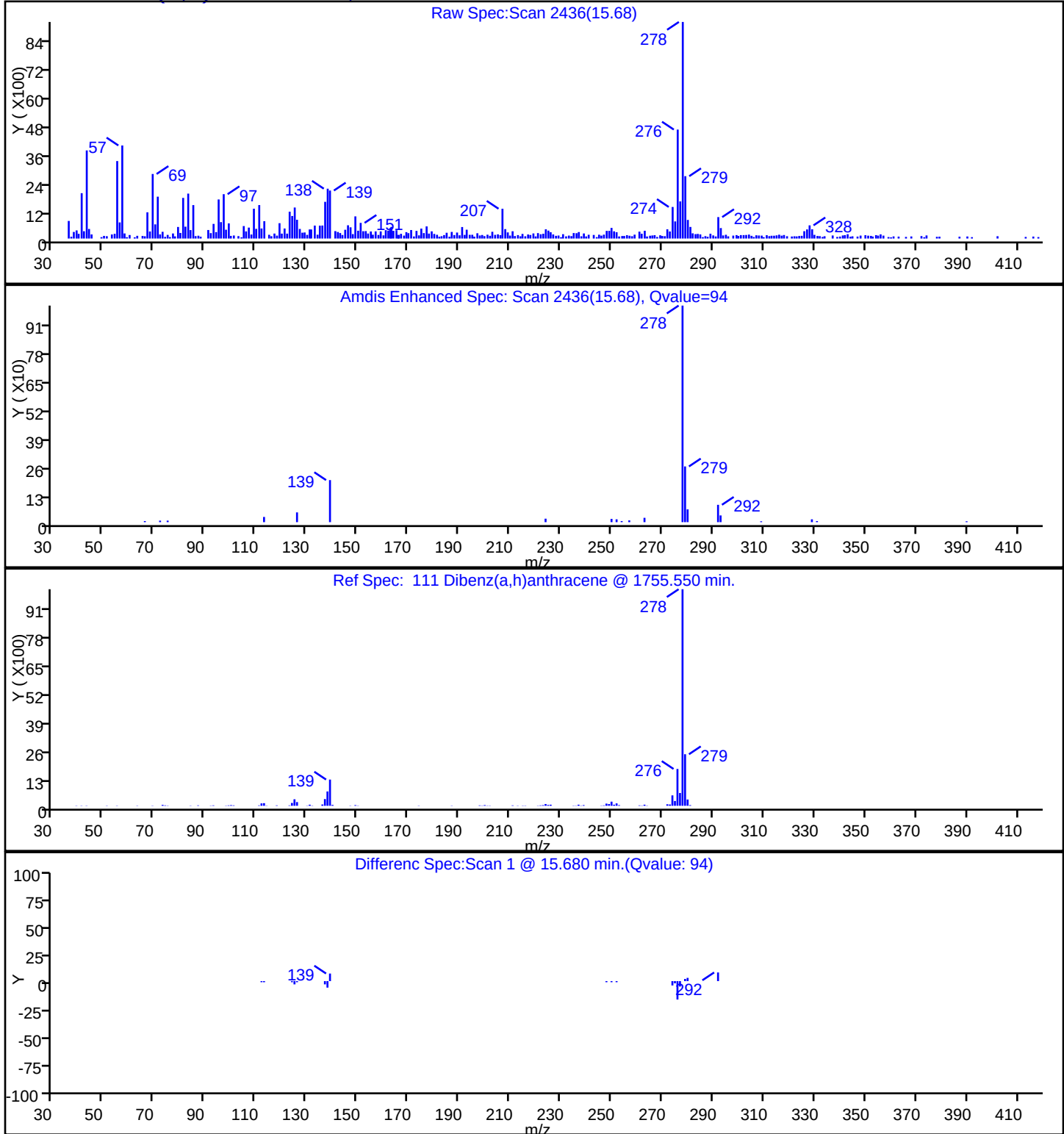
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

111 Dibenz(a,h)anthracene, CAS: 53-70-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35656.D

Injection Date: 22-Aug-2015 14:53:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-12-A

Lab Sample ID: 460-99997-12

Client ID: ES-12

Operator ID:

ALS Bottle#: 16 Worklist Smp#: 16

Injection Vol: 1.0 ul

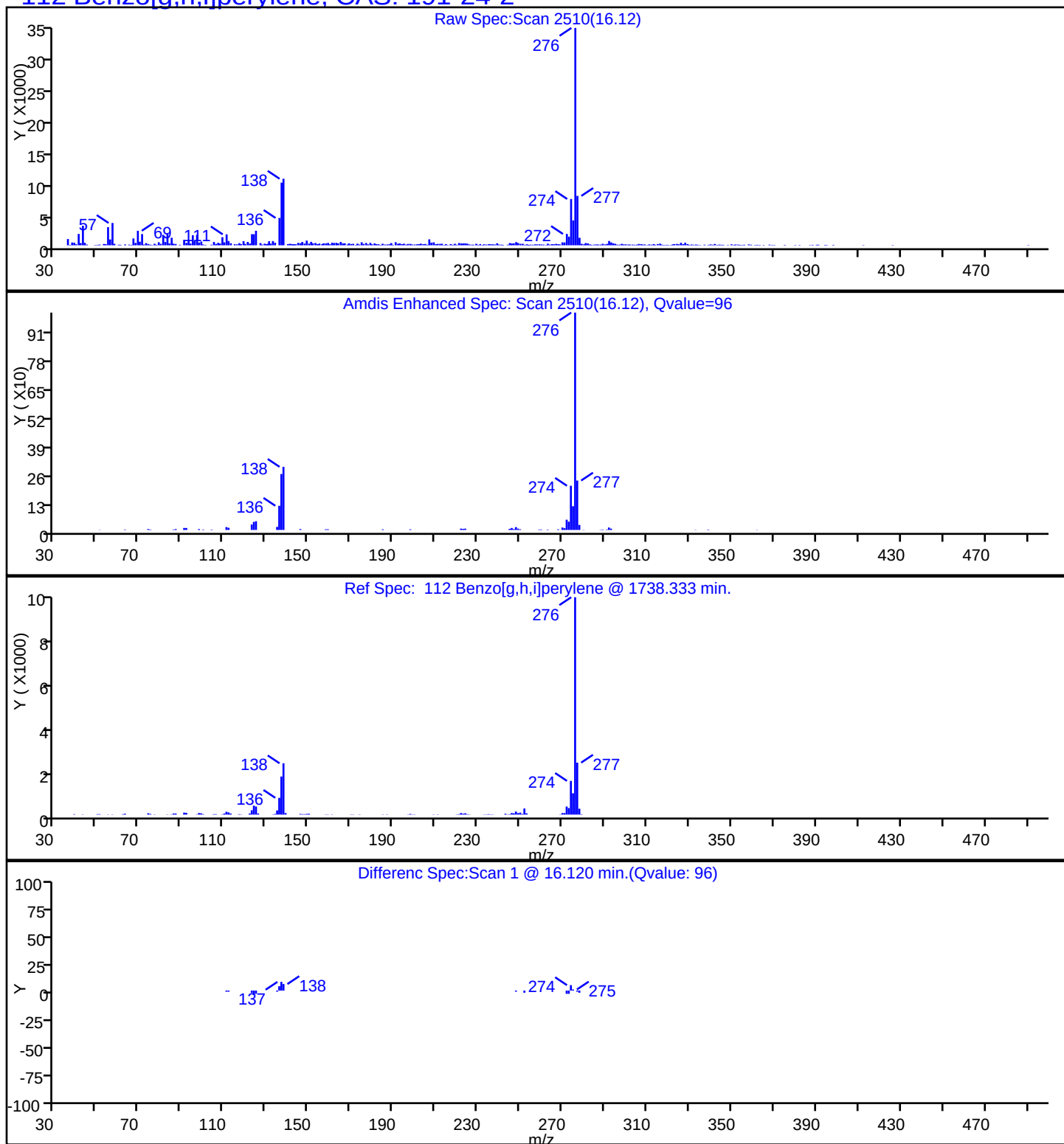
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

112 Benzo[g,h,i]perylene, CAS: 191-24-2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-13</u>	Lab Sample ID: <u>460-99997-13</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z35649.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>08/20/2015 12:39</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>08/21/2015 21:30</u>
Sample wt/vol: <u>15.0133(g)</u>	Date Analyzed: <u>08/22/2015 12:13</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>16.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318190</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.020	J	0.40	0.010
91-57-6	2-Methylnaphthalene	0.012	J	0.40	0.0087
208-96-8	Acenaphthylene	0.010	U	0.40	0.010
83-32-9	Acenaphthene	0.031	J	0.40	0.0096
86-73-7	Fluorene	0.032	J	0.40	0.0086
85-01-8	Phenanthrene	0.44		0.40	0.011
120-12-7	Anthracene	0.081	J	0.40	0.038
206-44-0	Fluoranthene	0.63		0.40	0.012
129-00-0	Pyrene	0.42		0.40	0.018
56-55-3	Benzo[a]anthracene	0.22		0.040	0.033
218-01-9	Chrysene	0.29	J	0.40	0.011
205-99-2	Benzo[b]fluoranthene	0.28		0.040	0.015
207-08-9	Benzo[k]fluoranthene	0.12		0.040	0.017
50-32-8	Benzo[a]pyrene	0.19		0.040	0.012
193-39-5	Indeno[1,2,3-cd]pyrene	0.11		0.040	0.026
53-70-3	Dibenz(a,h)anthracene	0.027	J	0.040	0.021
191-24-2	Benzo[g,h,i]perylene	0.098	J	0.40	0.023

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	77		30-130
1718-51-0	Terphenyl-d14	92		30-130
321-60-8	2-Fluorobiphenyl	78		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35649.D
 Lims ID: 460-99997-E-13-A Lab Sample ID: 460-99997-13
 Client ID: ES-13
 Sample Type: Client
 Inject. Date: 22-Aug-2015 12:13:30 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031003-009
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Aug-2015 10:08:03 Calib Date: 19-Aug-2015 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35546.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: szczecha

Date: 24-Aug-2015 10:08:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.630	3.336	0.294	96	544424	36.9	
\$ 6 Phenol-d5	99	4.306	4.259	0.047	86	671872	38.8	
* 14 1,4-Dichlorobenzene-d4	152	4.647	4.612	0.035	96	459559	40.0	
22 Acetophenone	105	5.035	5.036	-0.001	97	2276	0.1315	
\$ 26 Nitrobenzene-d5	82	5.188	5.183	0.005	91	588143	38.7	
* 38 Naphthalene-d8	136	5.906	5.894	0.012	99	1720680	40.0	
39 Naphthalene	128	5.924	5.930	-0.006	99	10680	0.2506	
44 2-Methylnaphthalene	142	6.612	6.618	-0.006	86	4123	0.1470	
\$ 51 2-Fluorobiphenyl	172	6.982	6.983	-0.001	98	1294753	38.9	
* 65 Acenaphthene-d10	164	7.659	7.659	0.000	92	900551	40.0	
67 Acenaphthene	154	7.688	7.700	-0.012	93	10476	0.3888	
71 Dibenzofuran	168	7.853	7.871	-0.018	97	13595	0.3877	
74 Fluorene	166	8.194	8.206	-0.012	97	10848	0.4030	
\$ 80 2,4,6-Tribromophenol	330	8.435	8.447	-0.012	94	145789	52.1	
* 87 Phenanthrene-d10	188	9.129	9.129	0.000	99	1286446	40.0	
88 Phenanthrene	178	9.153	9.165	-0.012	97	205839	5.56	
89 Anthracene	178	9.200	9.212	-0.012	98	37670	1.01	
90 Carbazole	167	9.353	9.365	-0.012	95	19237	0.6357	
91 Di-n-butyl phthalate	149	9.688	9.694	-0.006	98	6488	0.1903	
92 Fluoranthene	202	10.335	10.341	-0.006	98	224244	7.87	
94 Pyrene	202	10.570	10.576	-0.006	98	175914	5.32	
\$ 96 Terphenyl-d14	244	10.729	10.729	0.000	99	925819	46.0	
97 Butyl benzyl phthalate	149	11.265	11.271	-0.007	96	32061	2.79	
101 Benzo[a]anthracene	228	11.970	11.976	-0.006	98	55897	2.79	
* 102 Chrysene-d12	240	11.988	11.982	0.006	99	669501	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.988	11.994	-0.006	79	16735	1.12	
103 Chrysene	228	12.017	12.023	-0.006	99	64558	3.60	
106 Benzo[b]fluoranthene	252	13.435	13.447	-0.012	98	41560	3.52	
107 Benzo[k]fluoranthene	252	13.470	13.482	-0.012	1	17072	1.45	
108 Benzo[a]pyrene	252	13.894	13.906	-0.012	97	25317	2.43	
* 109 Perylene-d12	264	13.982	13.982	0.000	98	391292	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.629	15.647	-0.018	97	10860	1.36	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
111 Dibenz(a,h)anthracene	278	15.658	15.676	-0.018	95	2707	0.3352	
112 Benzo[g,h,i]perylene	276	16.099	16.117	-0.018	96	10611	1.23	

Reagents:

SM_ISTD_00091

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35649.D

Injection Date: 22-Aug-2015 12:13:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: 460-99997-E-13-A

Lab Sample ID: 460-99997-13

Worklist Smp#: 9

Client ID: ES-13

Injection Vol: 1.0 ul

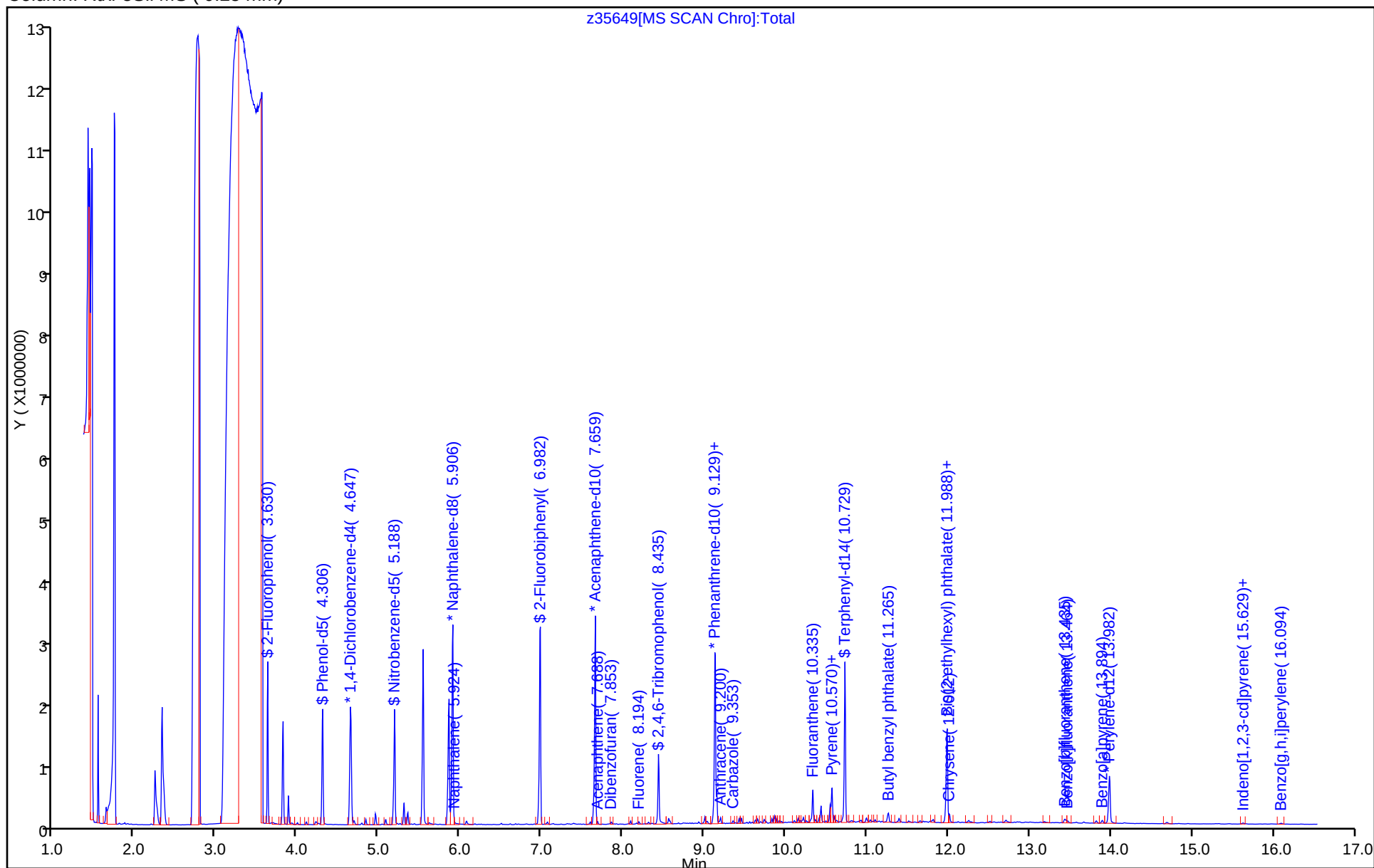
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35649.D

Injection Date: 22-Aug-2015 12:13:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-13-A

Lab Sample ID: 460-99997-13

Client ID: ES-13

Operator ID:

ALS Bottle#: 9

Worklist Smp#: 9

Injection Vol: 1.0 ul

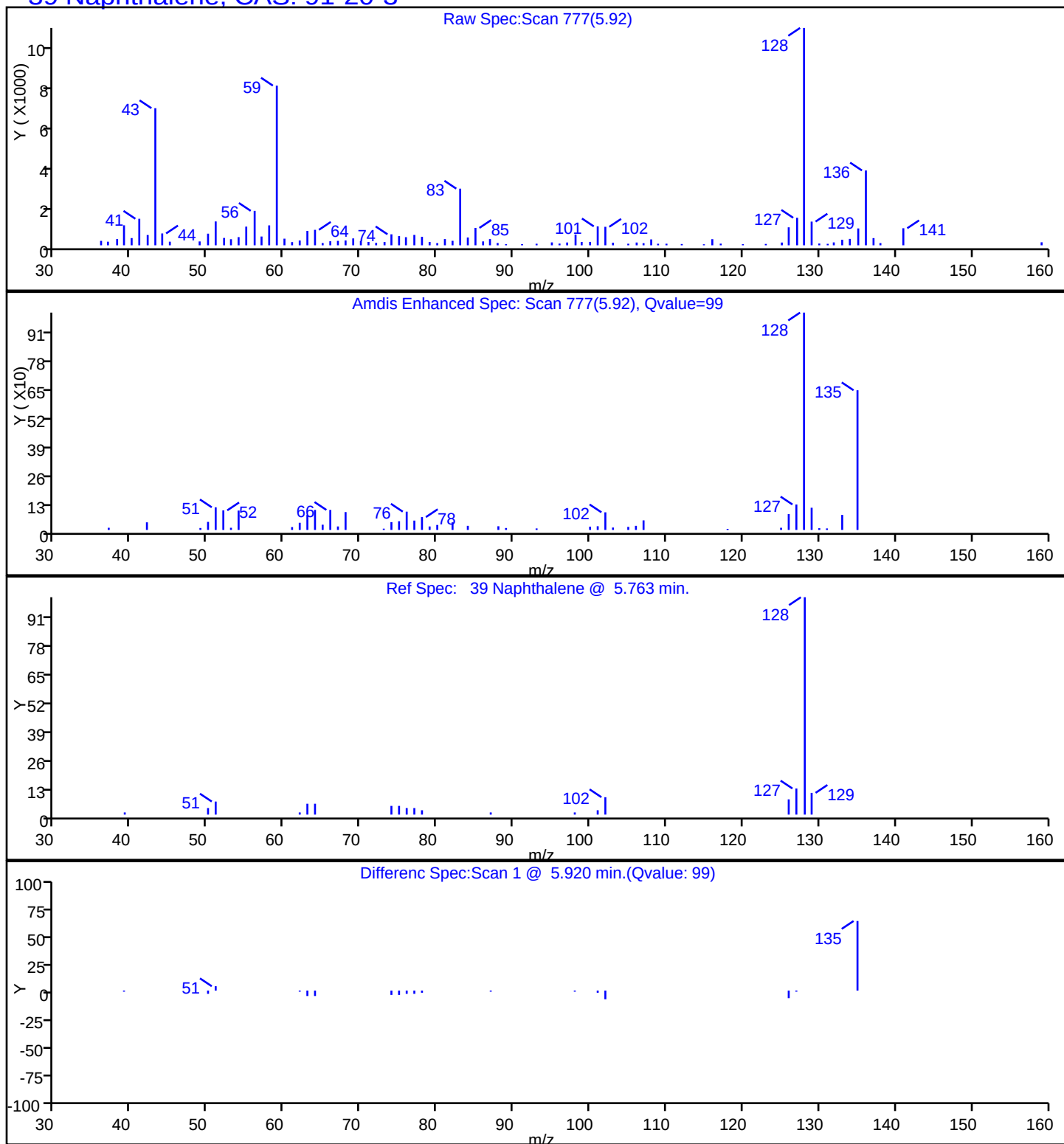
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

39 Naphthalene, CAS: 91-20-3

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35649.D

Injection Date: 22-Aug-2015 12:13:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-13-A

Lab Sample ID: 460-99997-13

Client ID: ES-13

Operator ID:

ALS Bottle#: 9

Worklist Smp#: 9

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

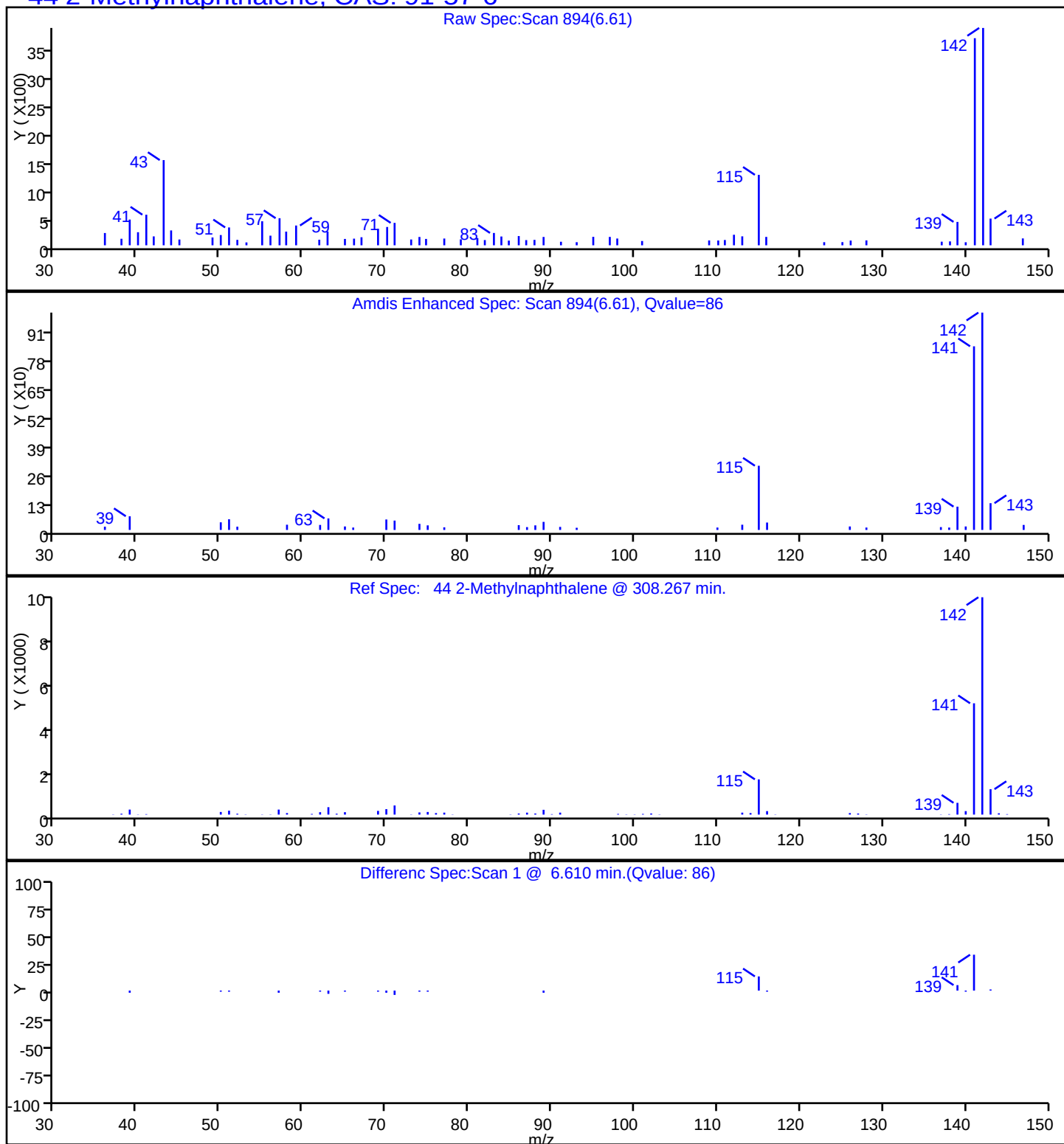
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

44 2-Methylnaphthalene, CAS: 91-57-6



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35649.D

Injection Date: 22-Aug-2015 12:13:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-13-A

Lab Sample ID: 460-99997-13

Client ID: ES-13

Operator ID:

ALS Bottle#:

Worklist Smp#: 9

Injection Vol: 1.0 ul

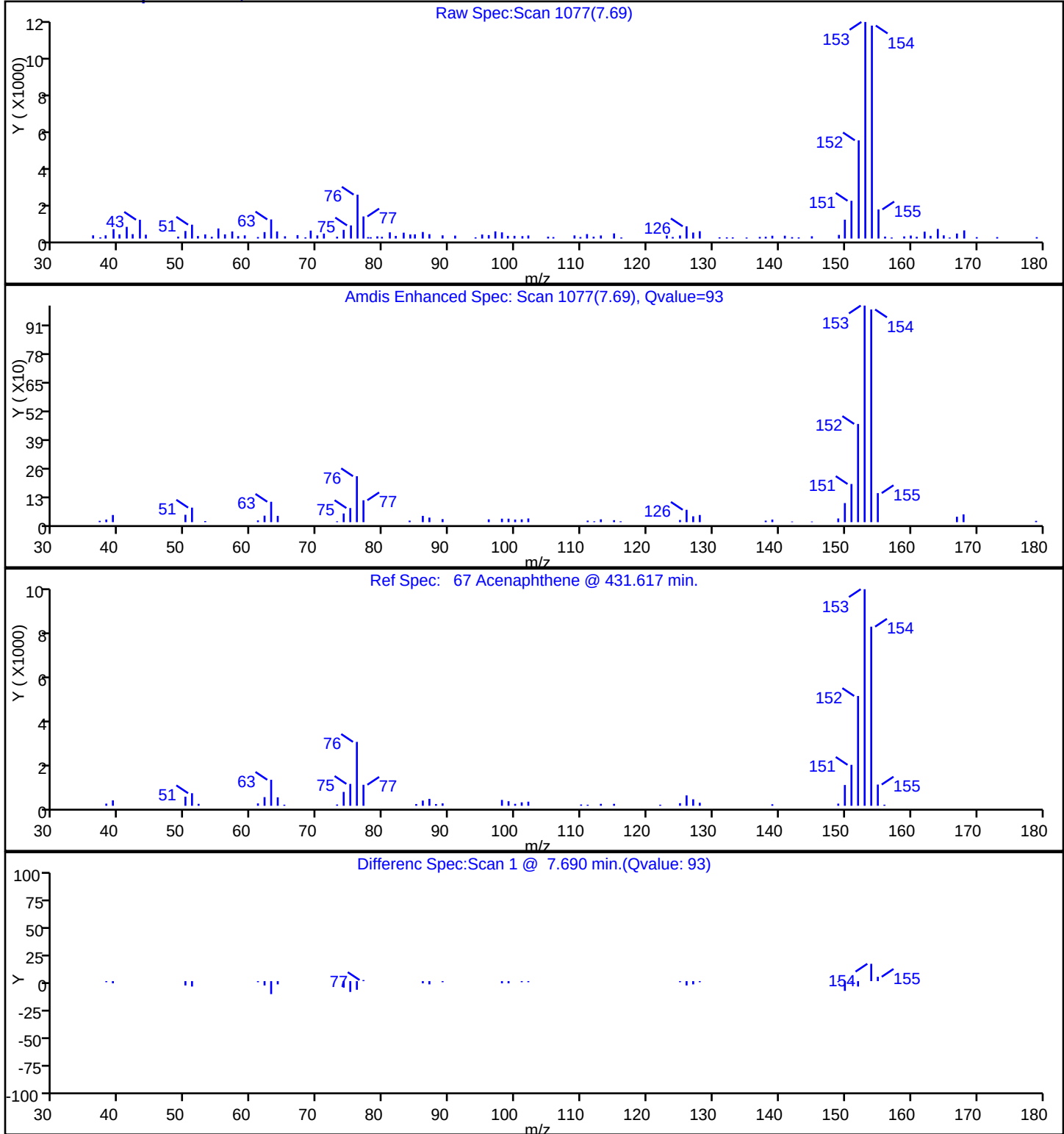
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

67 Acenaphthene, CAS: 83-32-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35649.D

Injection Date: 22-Aug-2015 12:13:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-13-A

Lab Sample ID: 460-99997-13

Client ID: ES-13

Operator ID:

ALS Bottle#: 9

Worklist Smp#: 9

Injection Vol: 1.0 ul

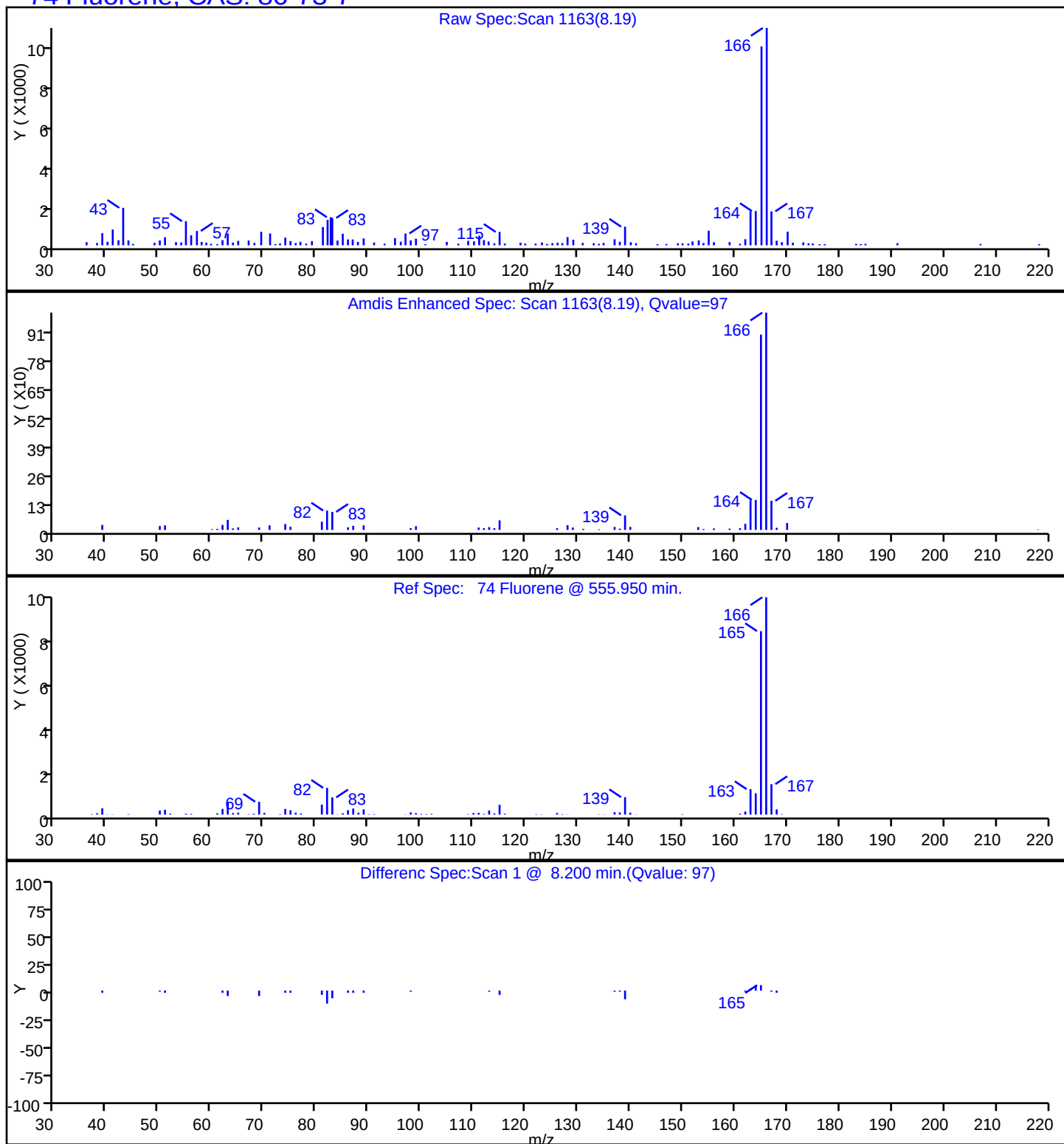
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

74 Fluorene, CAS: 86-73-7

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35649.D

Injection Date: 22-Aug-2015 12:13:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-13-A

Lab Sample ID: 460-99997-13

Client ID: ES-13

Operator ID:

ALS Bottle#: 9

Worklist Smp#: 9

Injection Vol: 1.0 ul

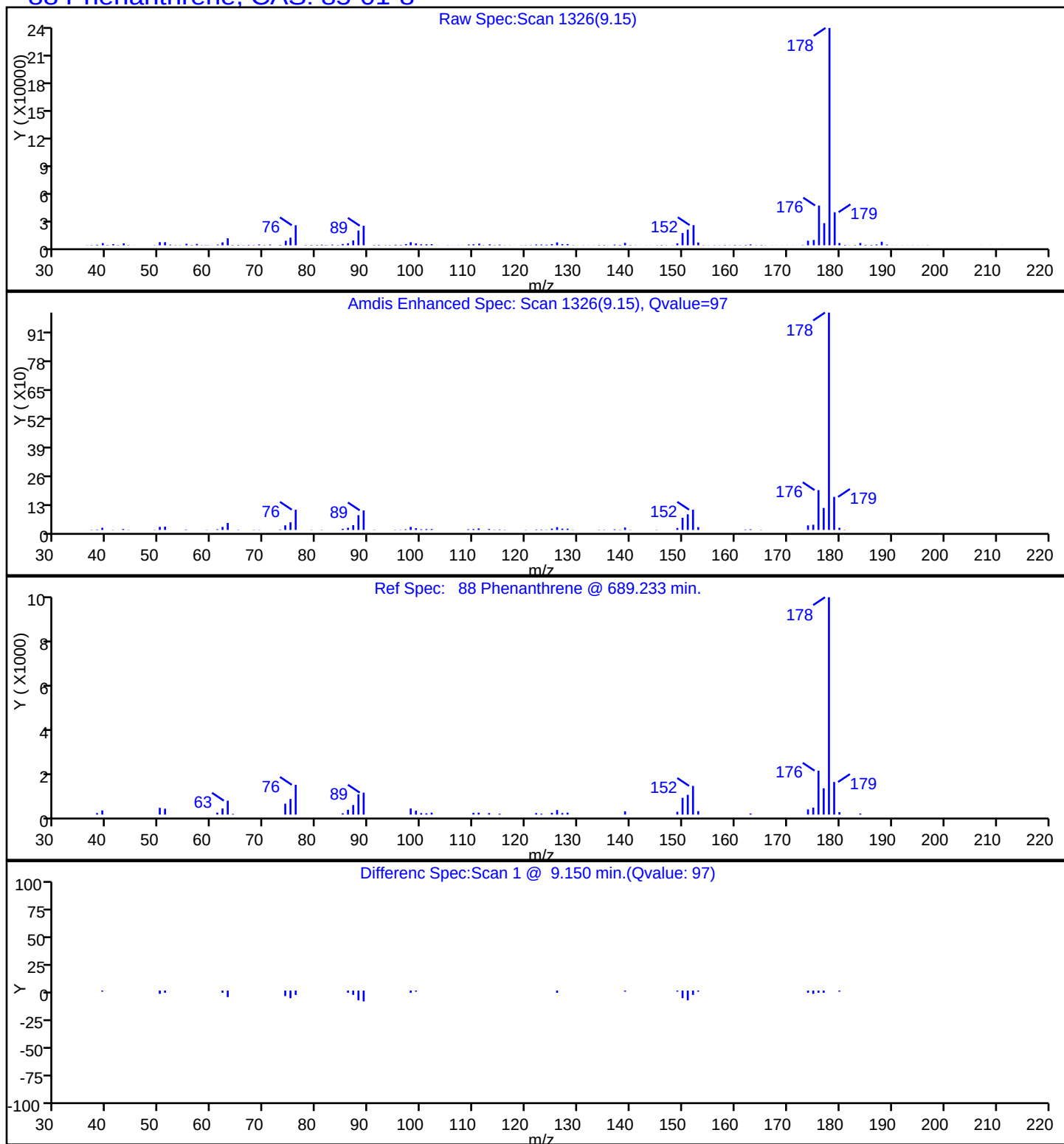
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

88 Phenanthrene, CAS: 85-01-8

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35649.D

Injection Date: 22-Aug-2015 12:13:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-13-A

Lab Sample ID: 460-99997-13

Client ID: ES-13

Operator ID:

ALS Bottle#: 9

Worklist Smp#: 9

Injection Vol: 1.0 ul

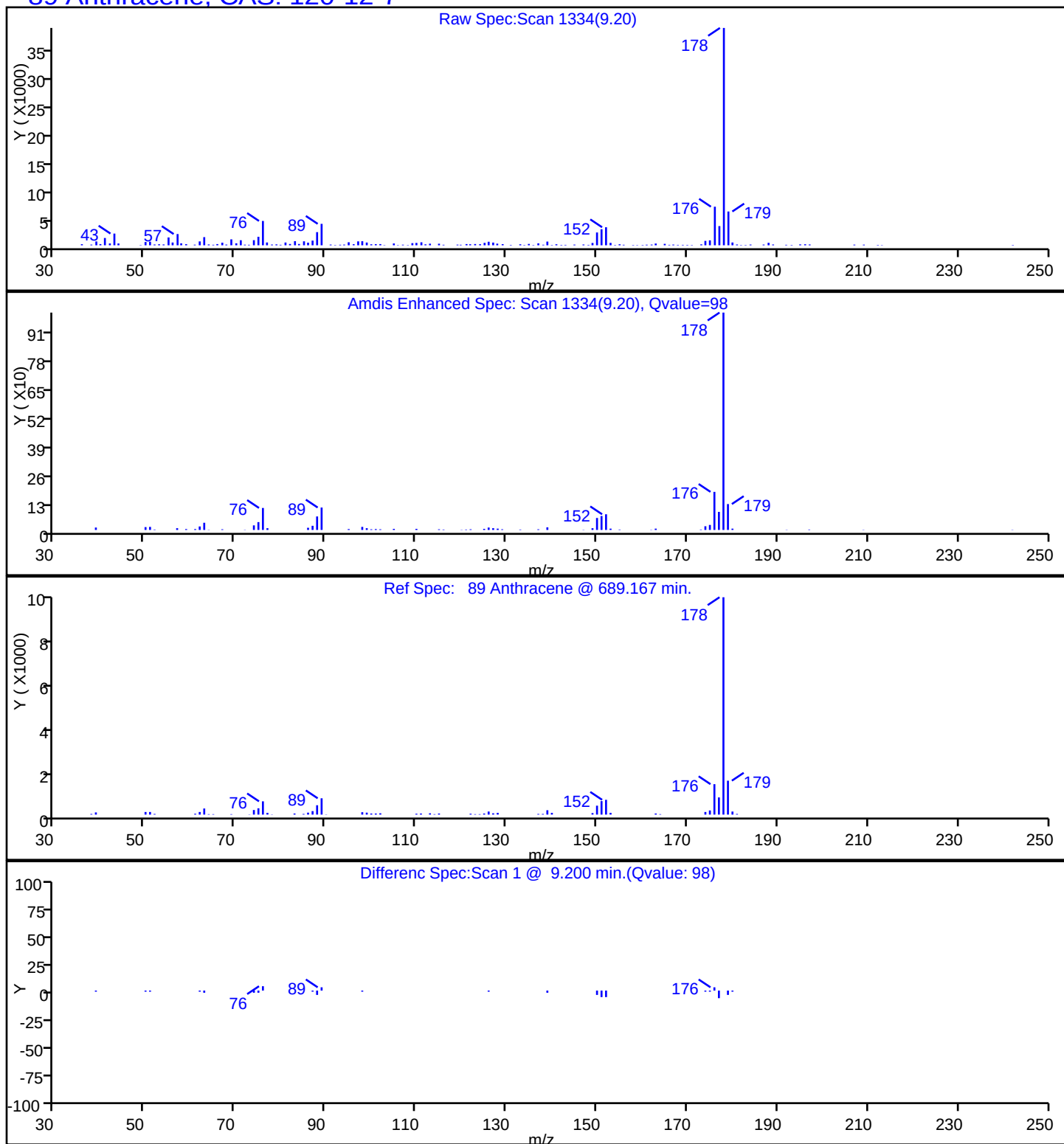
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

89 Anthracene, CAS: 120-12-7

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35649.D

Injection Date: 22-Aug-2015 12:13:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-13-A

Lab Sample ID: 460-99997-13

Client ID: ES-13

Operator ID:

ALS Bottle#: 9

Worklist Smp#: 9

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

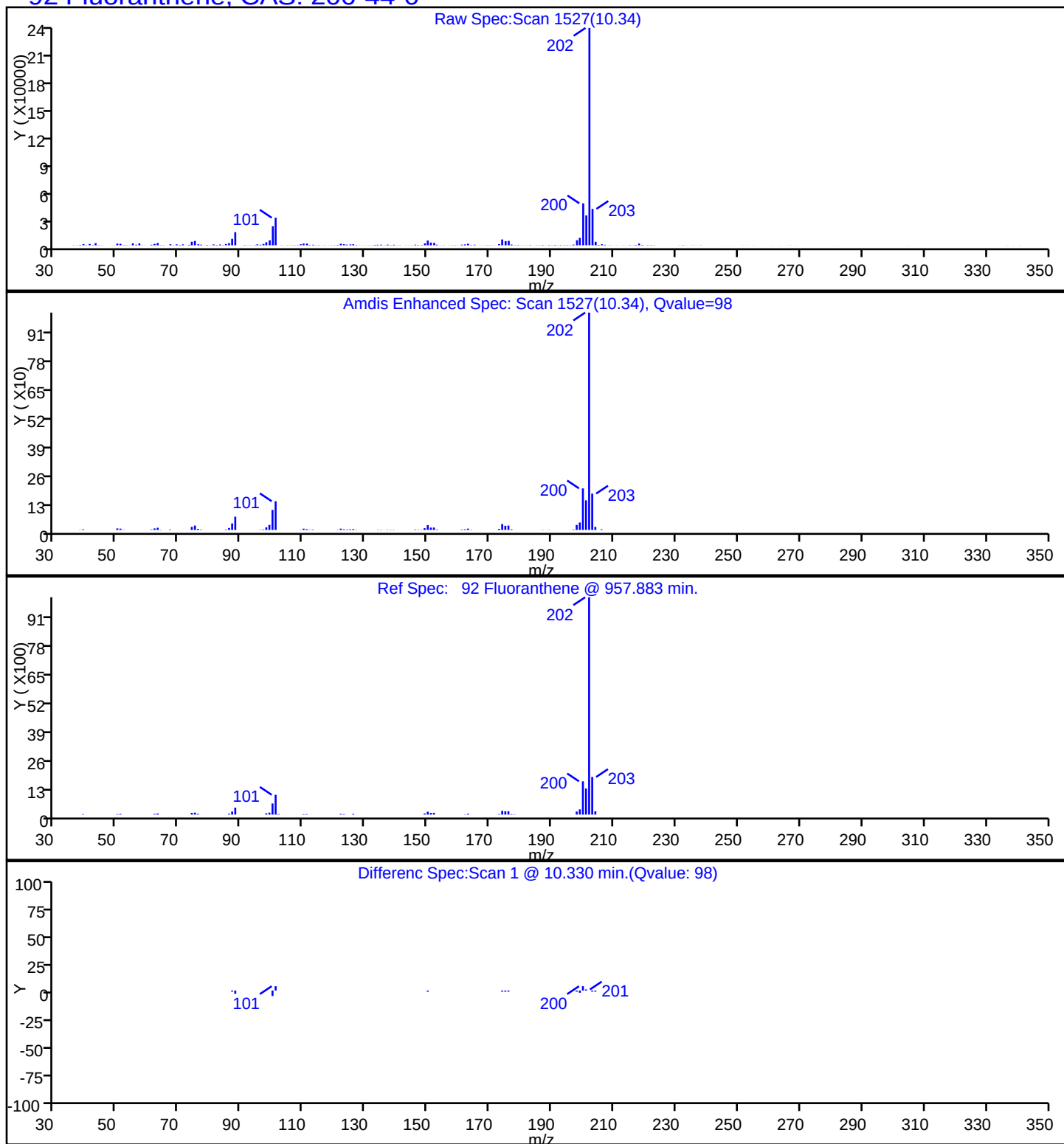
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

92 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35649.D

Injection Date: 22-Aug-2015 12:13:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-13-A

Lab Sample ID: 460-99997-13

Client ID: ES-13

Operator ID:

ALS Bottle#: 9

Worklist Smp#: 9

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

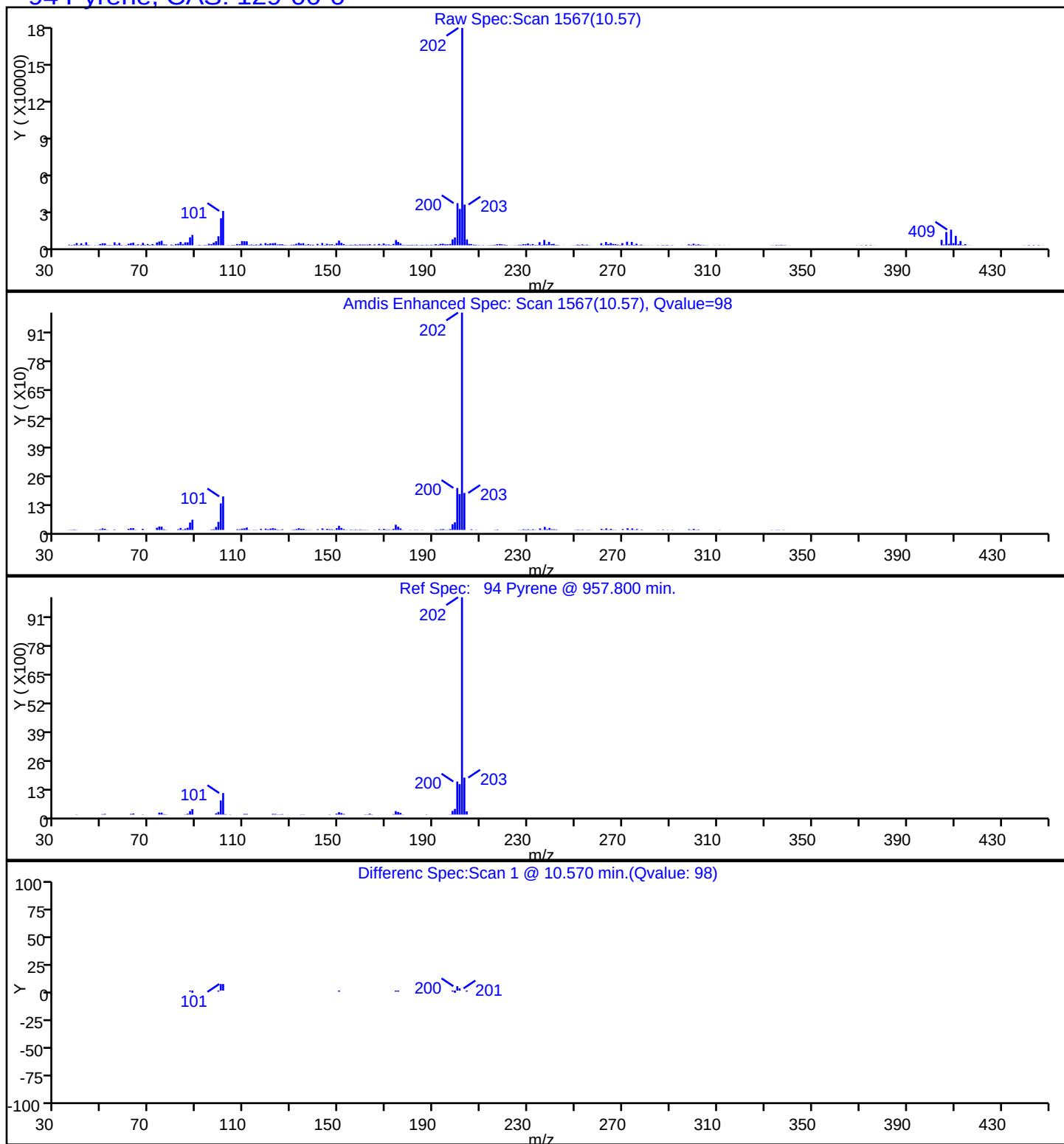
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

94 Pyrene, CAS: 129-00-0



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35649.D

Injection Date: 22-Aug-2015 12:13:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-13-A

Lab Sample ID: 460-99997-13

Client ID: ES-13

Operator ID:

ALS Bottle#: 9

Worklist Smp#: 9

Injection Vol: 1.0 ul

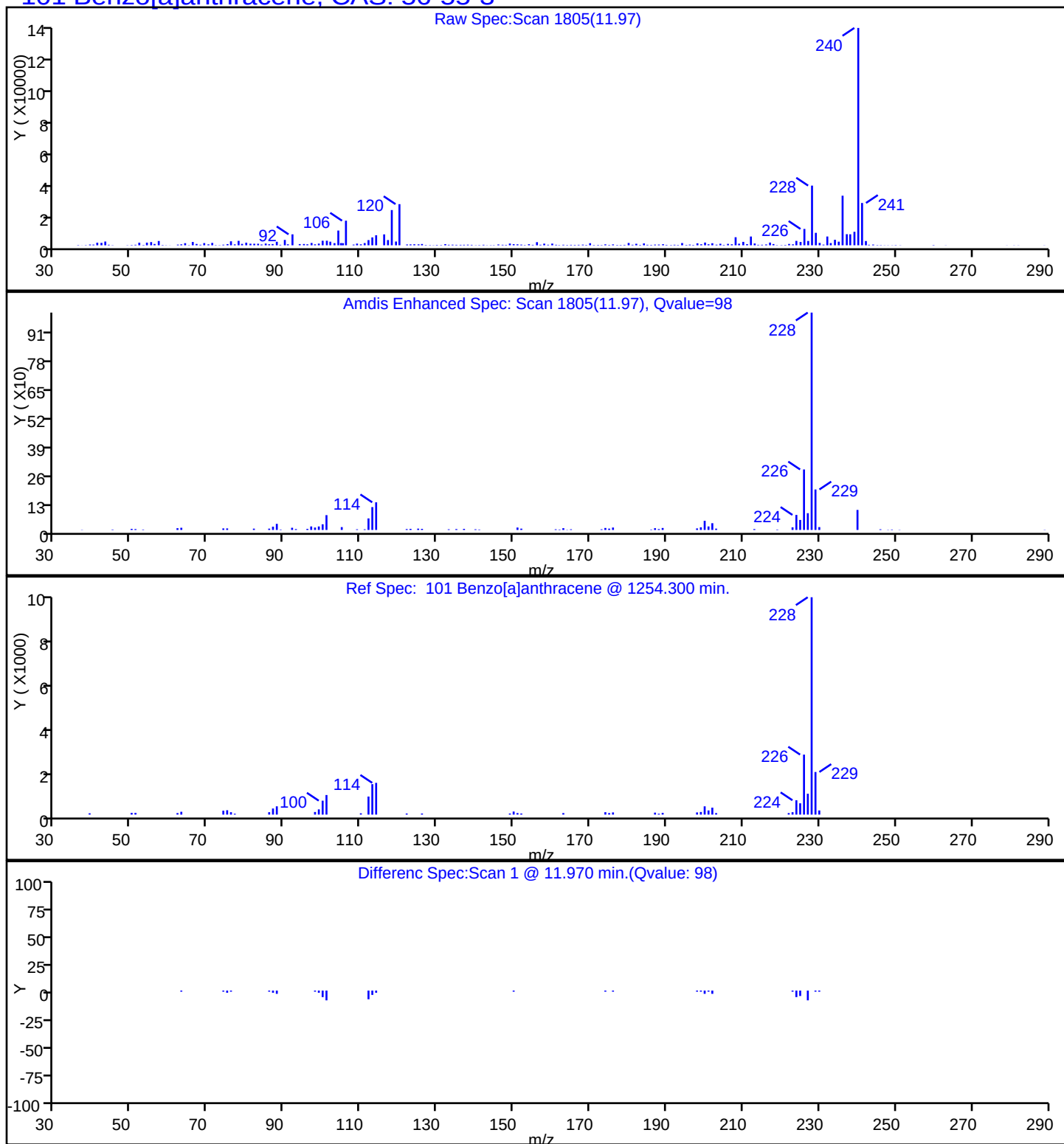
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

101 Benzo[a]anthracene, CAS: 56-55-3

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35649.D

Injection Date: 22-Aug-2015 12:13:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-13-A

Lab Sample ID: 460-99997-13

Client ID: ES-13

Operator ID:

ALS Bottle#: 9

Worklist Smp#: 9

Injection Vol: 1.0 ul

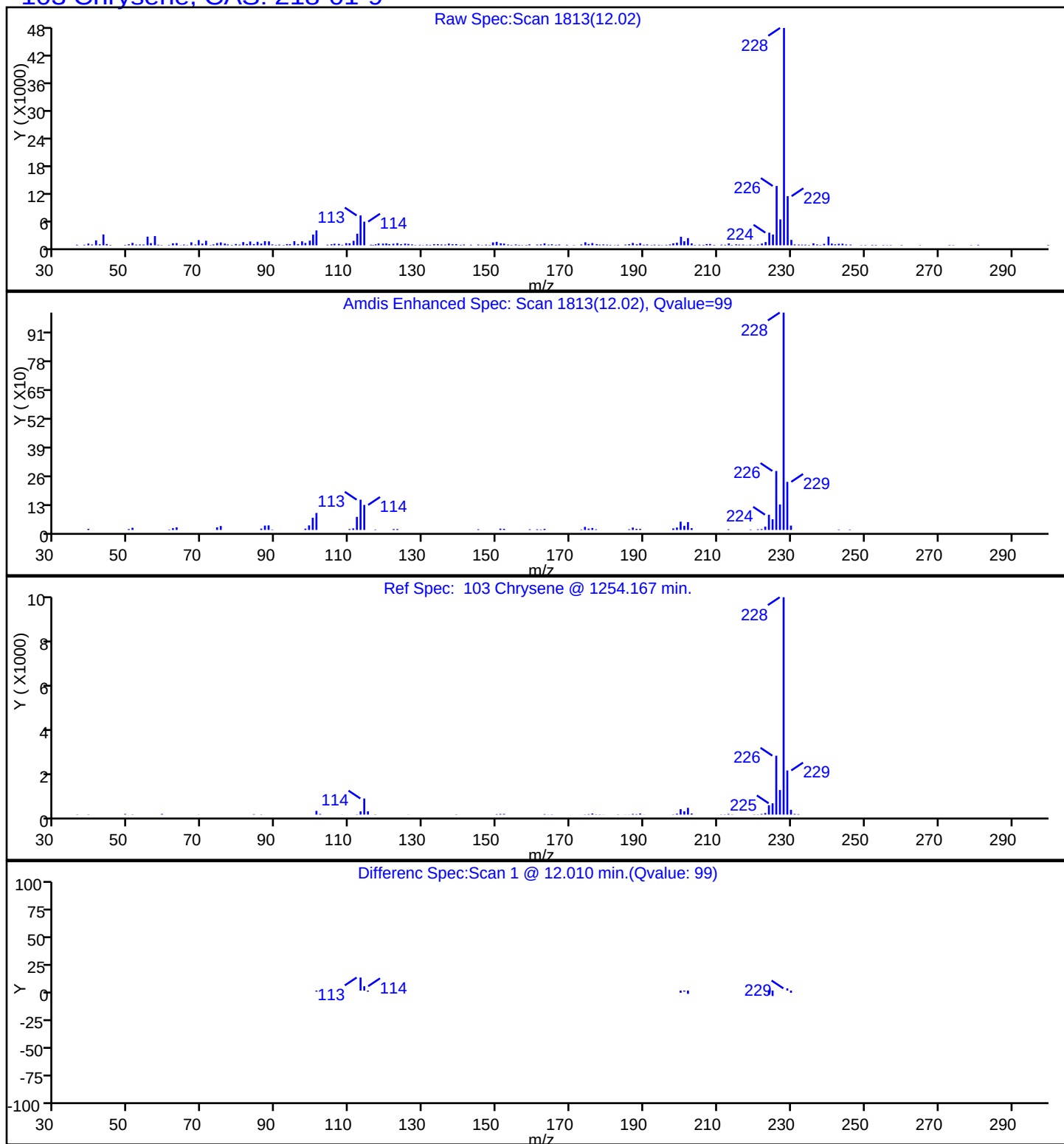
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

103 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35649.D

Injection Date: 22-Aug-2015 12:13:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-13-A

Lab Sample ID: 460-99997-13

Client ID: ES-13

Operator ID:

ALS Bottle#: 9

Worklist Smp#: 9

Injection Vol: 1.0 ul

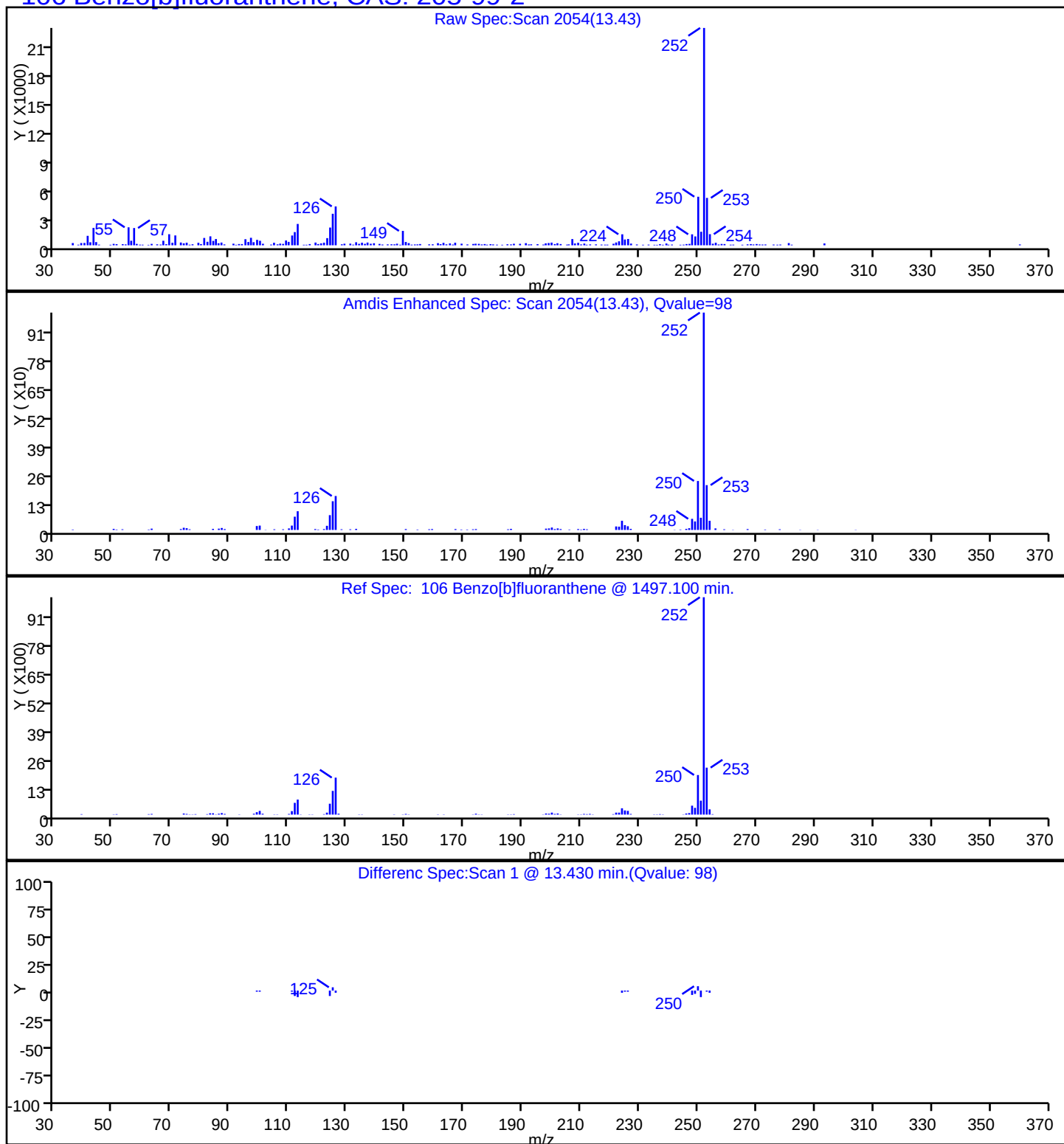
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

106 Benzo[b]fluoranthene, CAS: 205-99-2

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35649.D

Injection Date: 22-Aug-2015 12:13:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-13-A

Lab Sample ID: 460-99997-13

Client ID: ES-13

Operator ID:

ALS Bottle#: 9

Worklist Smp#: 9

Injection Vol: 1.0 ul

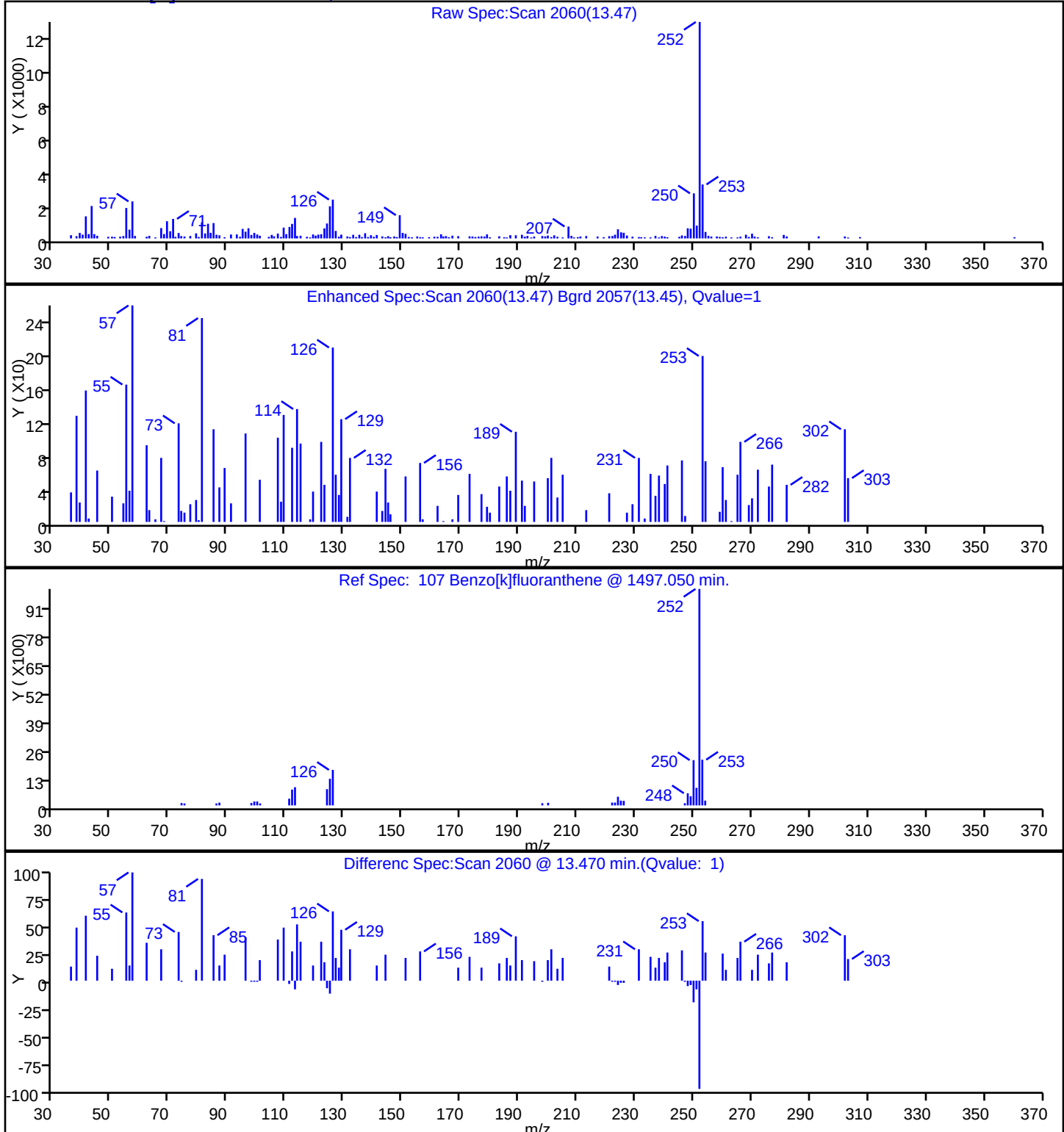
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

107 Benzo[k]fluoranthene, CAS: 207-08-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35649.D

Injection Date: 22-Aug-2015 12:13:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-13-A

Lab Sample ID: 460-99997-13

Client ID: ES-13

Operator ID:

ALS Bottle#: 9

Worklist Smp#: 9

Injection Vol: 1.0 ul

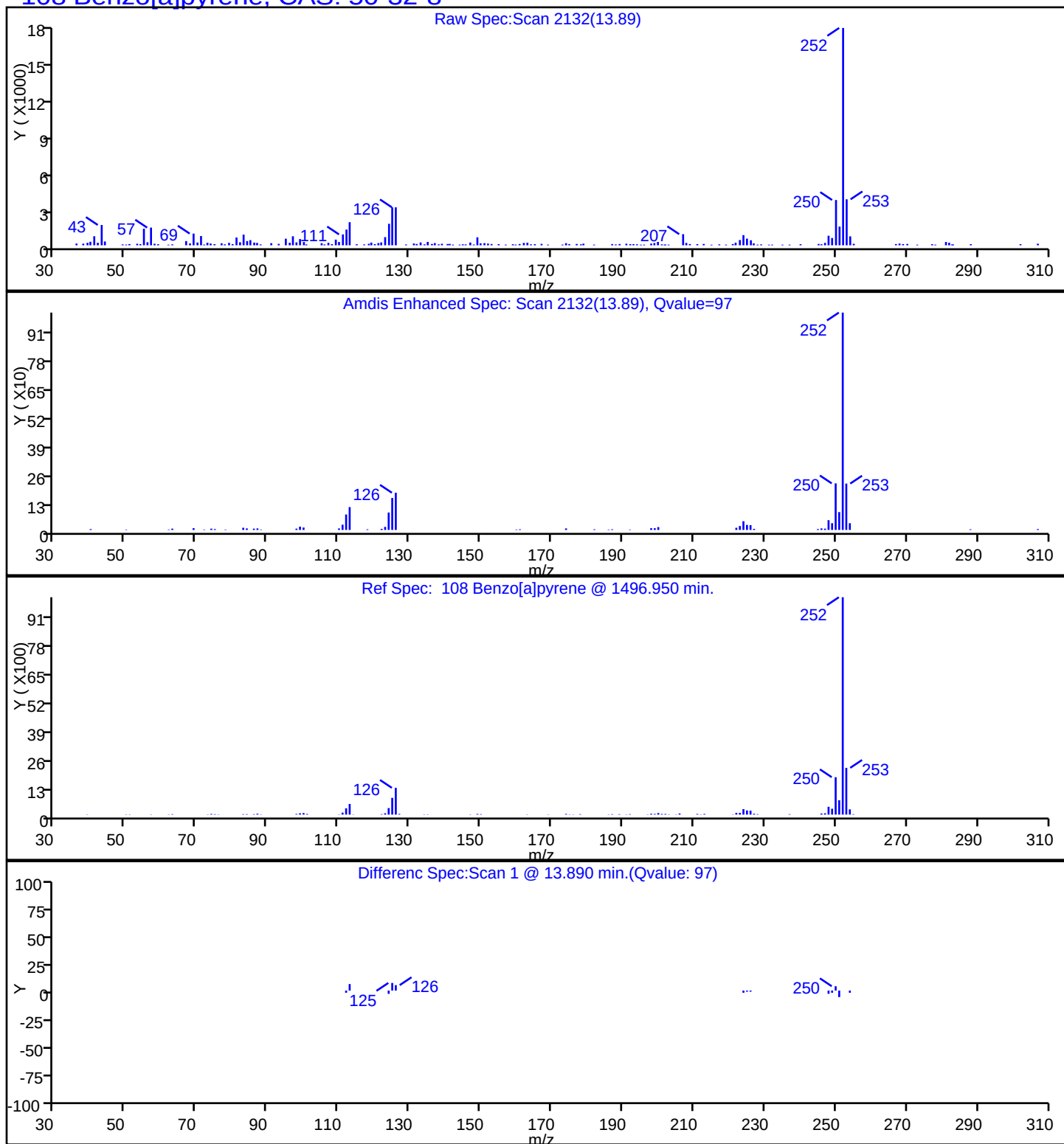
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

108 Benzo[a]pyrene, CAS: 50-32-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35649.D

Injection Date: 22-Aug-2015 12:13:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-13-A

Lab Sample ID: 460-99997-13

Client ID: ES-13

Operator ID:

ALS Bottle#:

Worklist Smp#: 9

Injection Vol: 1.0 ul

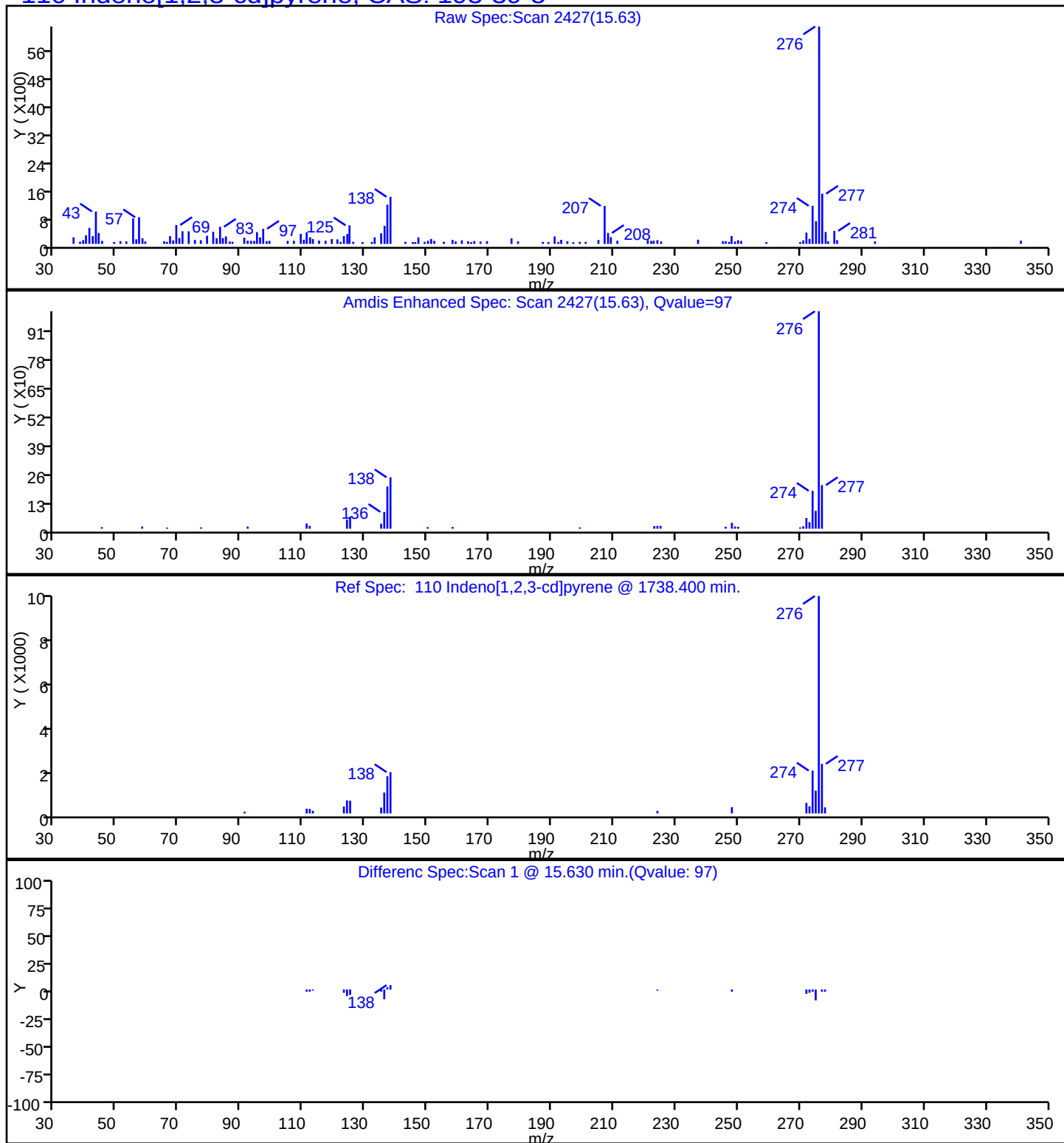
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35649.D

Injection Date: 22-Aug-2015 12:13:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-13-A

Lab Sample ID: 460-99997-13

Client ID: ES-13

Operator ID:

ALS Bottle#:

Worklist Smp#: 9

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

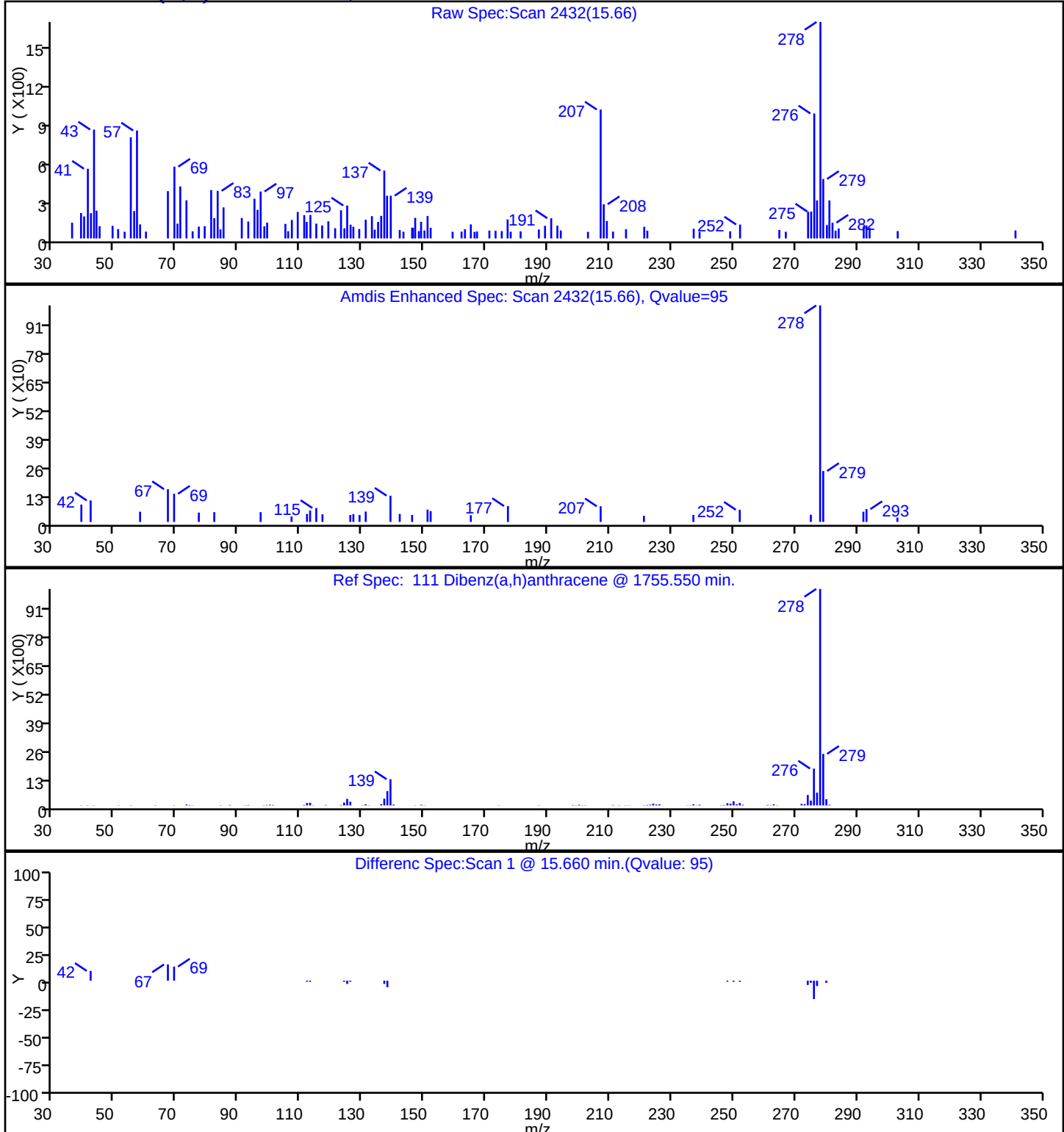
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

111 Dibenz(a,h)anthracene, CAS: 53-70-3

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35649.D

Injection Date: 22-Aug-2015 12:13:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-13-A

Lab Sample ID: 460-99997-13

Client ID: ES-13

Operator ID:

ALS Bottle#:

Worklist Smp#: 9

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

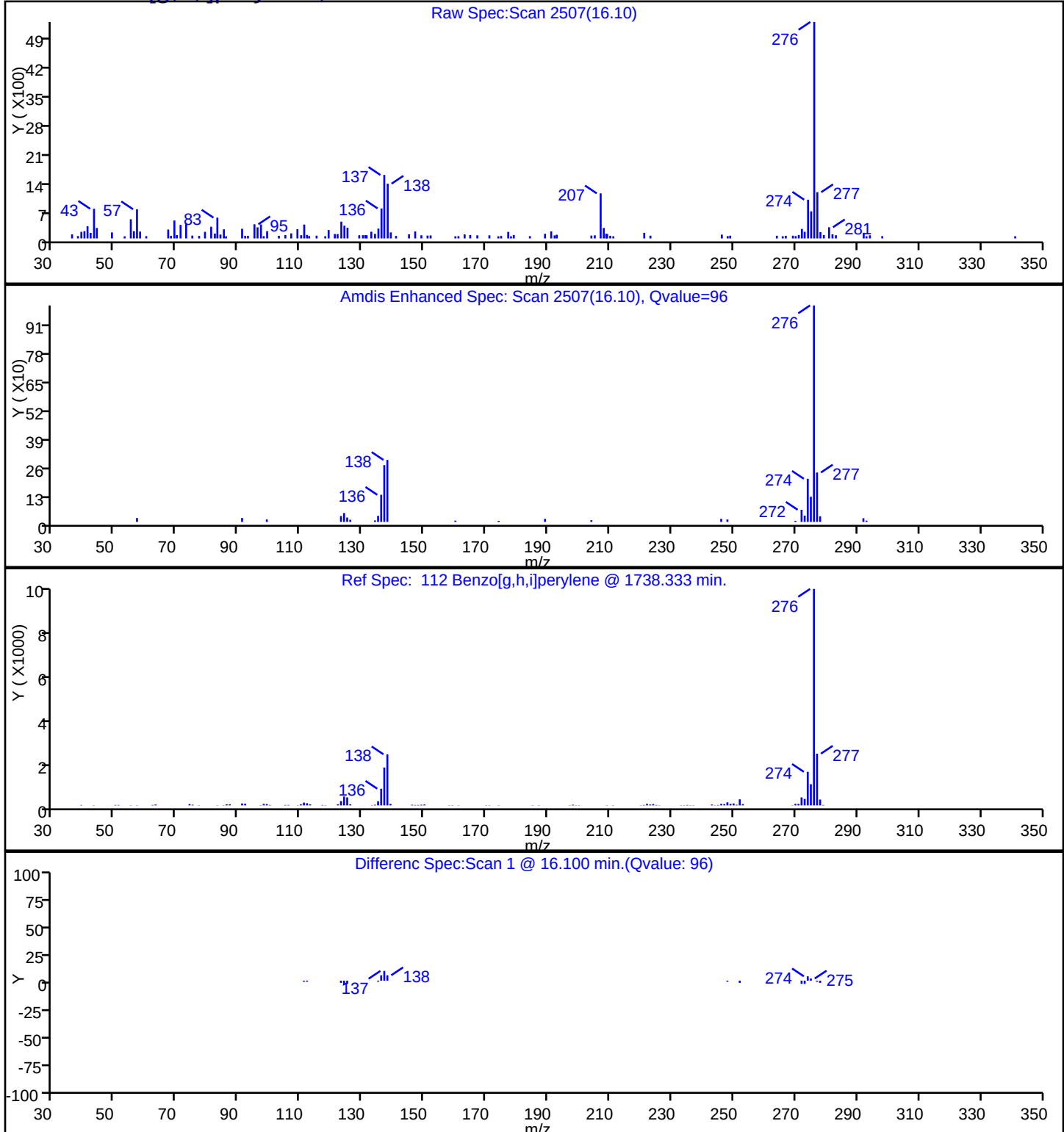
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

112 Benzo[g,h,i]perylene, CAS: 191-24-2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-14</u>	Lab Sample ID: <u>460-99997-14</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z35664.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>08/20/2015 12:51</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>08/21/2015 21:30</u>
Sample wt/vol: <u>15.0214(g)</u>	Date Analyzed: <u>08/22/2015 17:56</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>13.9</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318190</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.099	J	0.38	0.0097
91-57-6	2-Methylnaphthalene	0.074	J	0.38	0.0085
208-96-8	Acenaphthylene	0.030	J	0.38	0.0099
83-32-9	Acenaphthene	0.21	J	0.38	0.0093
86-73-7	Fluorene	0.16	J	0.38	0.0084
85-01-8	Phenanthrene	1.5		0.38	0.010
120-12-7	Anthracene	0.35	J	0.38	0.036
206-44-0	Fluoranthene	2.0		0.38	0.011
129-00-0	Pyrene	1.5		0.38	0.017
56-55-3	Benzo[a]anthracene	0.87		0.038	0.032
218-01-9	Chrysene	1.0		0.38	0.010
205-99-2	Benzo[b]fluoranthene	0.99		0.038	0.015
207-08-9	Benzo[k]fluoranthene	0.41		0.038	0.017
50-32-8	Benzo[a]pyrene	0.83		0.038	0.012
193-39-5	Indeno[1,2,3-cd]pyrene	0.74		0.038	0.026
53-70-3	Dibenz(a,h)anthracene	0.18		0.038	0.020
191-24-2	Benzo[g,h,i]perylene	0.64		0.38	0.022

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	80		30-130
1718-51-0	Terphenyl-d14	82		30-130
321-60-8	2-Fluorobiphenyl	88		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35664.D
 Lims ID: 460-99997-E-14-A Lab Sample ID: 460-99997-14
 Client ID: ES-14
 Sample Type: Client
 Inject. Date: 22-Aug-2015 17:56:30 ALS Bottle#: 24 Worklist Smp#: 24
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031003-024
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Aug-2015 11:05:06 Calib Date: 19-Aug-2015 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35546.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: szczecha

Date: 24-Aug-2015 11:05:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.465	3.336	0.129	95	452898	34.8	
\$ 6 Phenol-d5	99	4.259	4.259	0.000	86	558147	36.5	
* 14 1,4-Dichlorobenzene-d4	152	4.630	4.612	0.018	96	406133	40.0	
22 Acetophenone	105	5.012	5.036	-0.024	85	1701	0.1112	
\$ 26 Nitrobenzene-d5	82	5.171	5.183	-0.012	91	481210	40.1	
* 38 Naphthalene-d8	136	5.900	5.894	0.006	99	1357200	40.0	
39 Naphthalene	128	5.918	5.930	-0.012	99	43169	1.28	
44 2-Methylnaphthalene	142	6.612	6.618	-0.006	87	21148	0.9558	
\$ 51 2-Fluorobiphenyl	172	6.983	6.983	0.000	98	934869	43.9	
63 Acenaphthylene	152	7.518	7.524	-0.006	97	10448	0.3918	
* 65 Acenaphthene-d10	164	7.659	7.659	0.000	92	576709	40.0	
67 Acenaphthene	154	7.688	7.700	-0.012	94	47462	2.75	
71 Dibenzofuran	168	7.859	7.871	-0.012	94	27451	1.22	
74 Fluorene	166	8.200	8.206	-0.006	98	35891	2.08	
\$ 80 2,4,6-Tribromophenol	330	8.441	8.447	-0.006	94	75353	42.1	
* 87 Phenanthrene-d10	188	9.130	9.129	0.001	99	628328	40.0	
88 Phenanthrene	178	9.153	9.165	-0.012	97	360387	19.9	
89 Anthracene	178	9.200	9.212	-0.012	99	82536	4.53	
90 Carbazole	167	9.353	9.365	-0.012	96	31478	2.13	
92 Fluoranthene	202	10.335	10.341	-0.006	98	363525	26.1	
94 Pyrene	202	10.571	10.576	-0.005	98	324767	19.7	
\$ 96 Terphenyl-d14	244	10.729	10.729	0.000	99	410676	40.9	
97 Butyl benzyl phthalate	149	11.265	11.271	-0.006	96	18470	3.22	
101 Benzo[a]anthracene	228	11.971	11.976	-0.005	99	112757	11.3	
* 102 Chrysene-d12	240	11.982	11.982	0.000	99	333975	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.988	11.994	-0.006	64	8920	1.19	
103 Chrysene	228	12.018	12.023	-0.005	99	115215	12.9	
106 Benzo[b]fluoranthene	252	13.441	13.447	-0.006	98	126434	12.8	
107 Benzo[k]fluoranthene	252	13.476	13.482	-0.006	1	51980	5.27	
108 Benzo[a]pyrene	252	13.906	13.906	0.000	97	93181	10.7	
* 109 Perylene-d12	264	13.988	13.982	0.006	97	327717	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.641	15.647	-0.006	99	63435	9.52	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
111 Dibenz(a,h)anthracene	278	15.670	15.676	-0.006	92	15786	2.33	
112 Benzo[g,h,i]perylene	276	16.111	16.117	-0.006	96	59954	8.29	

Reagents:

SM_ISTD_00091

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35664.D

Injection Date: 22-Aug-2015 17:56:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: 460-99997-E-14-A

Lab Sample ID: 460-99997-14

Worklist Smp#: 24

Client ID: ES-14

Injection Vol: 1.0 ul

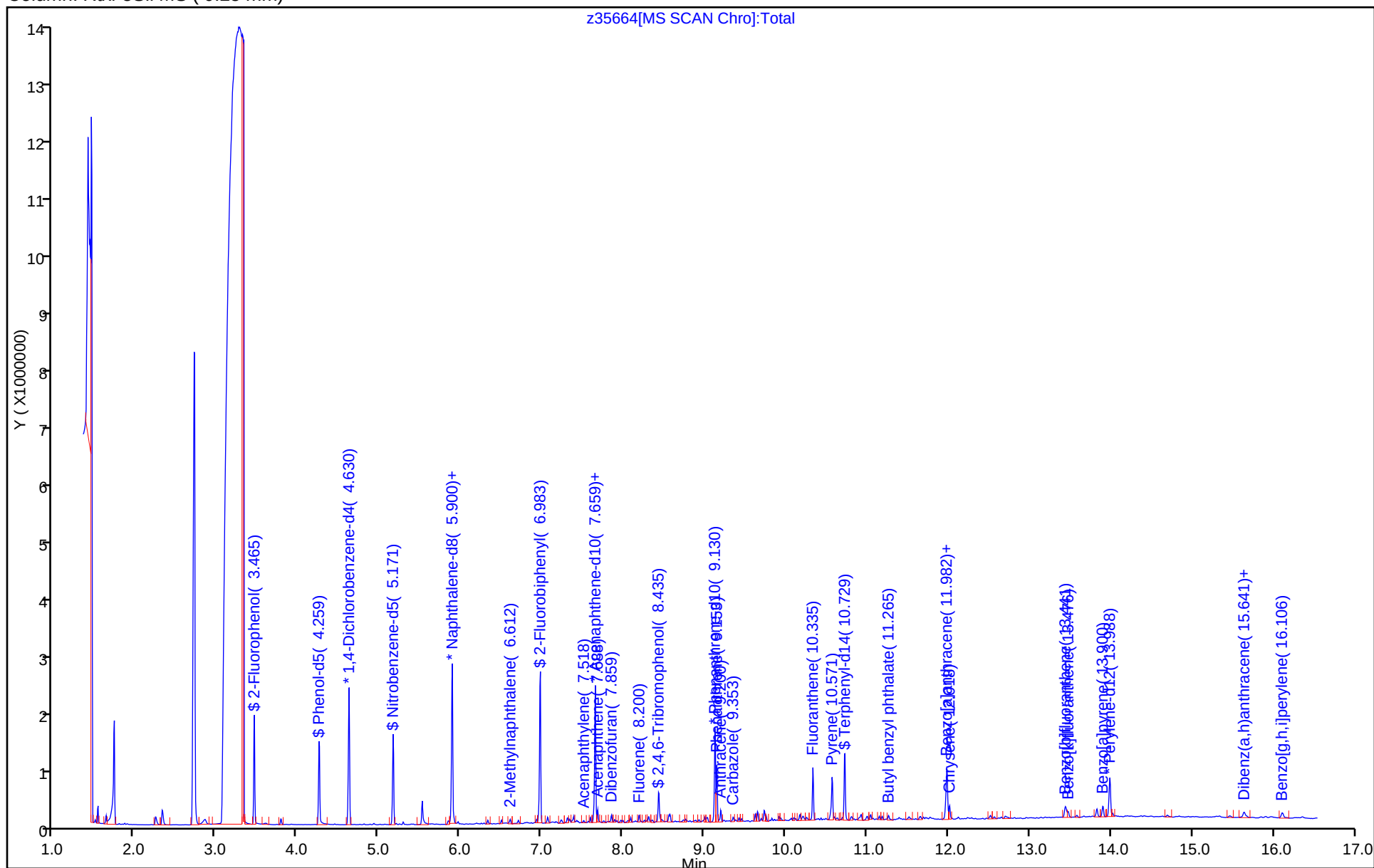
Dil. Factor: 1.0000

ALS Bottle#: 24

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35664.D

Injection Date: 22-Aug-2015 17:56:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-14-A

Lab Sample ID: 460-99997-14

Client ID: ES-14

Operator ID:

ALS Bottle#: 24

Worklist Smp#: 24

Injection Vol: 1.0 ul

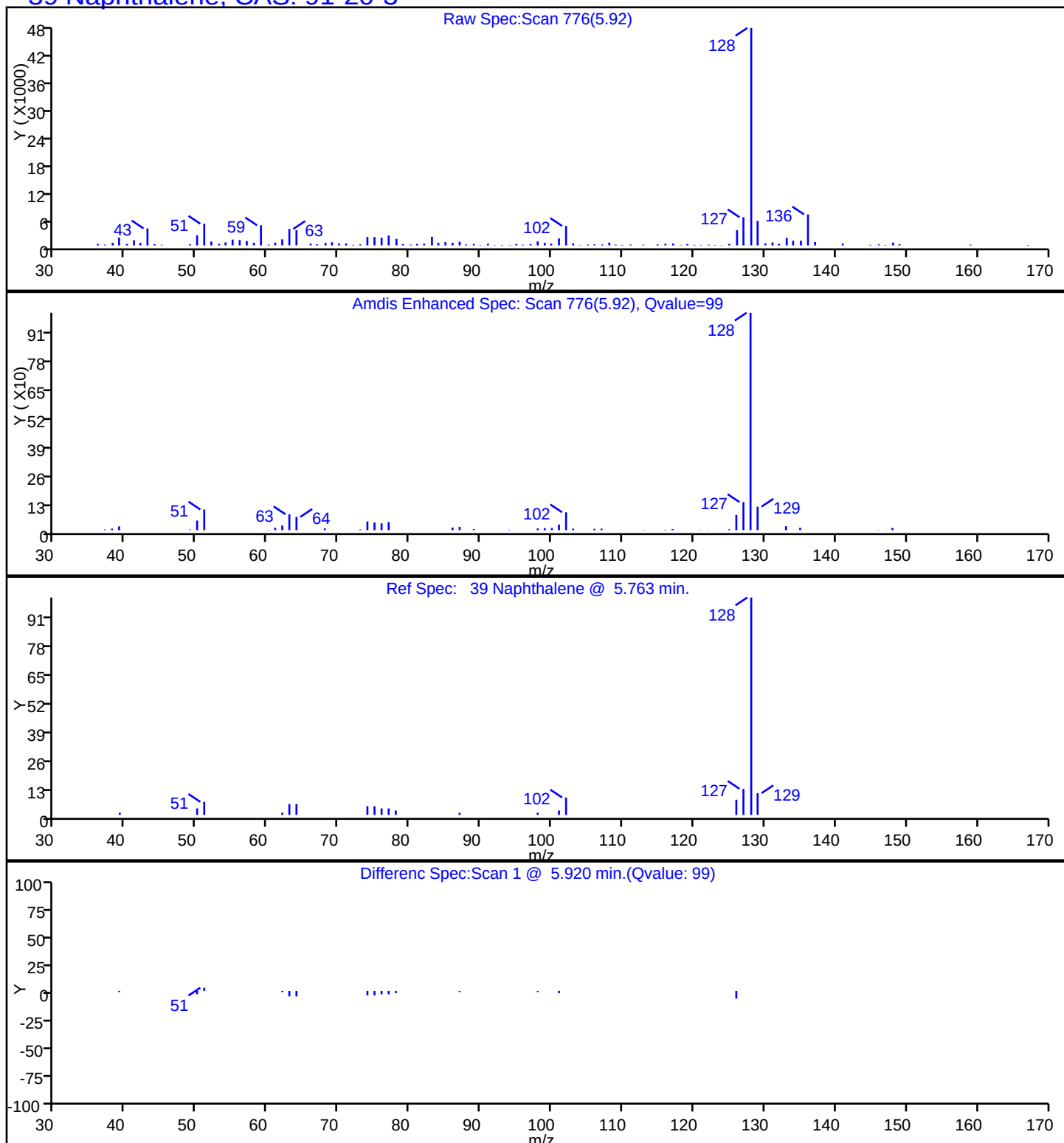
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

39 Naphthalene, CAS: 91-20-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35664.D

Injection Date: 22-Aug-2015 17:56:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-14-A

Lab Sample ID: 460-99997-14

Client ID: ES-14

Operator ID:

ALS Bottle#: 24

Worklist Smp#: 24

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

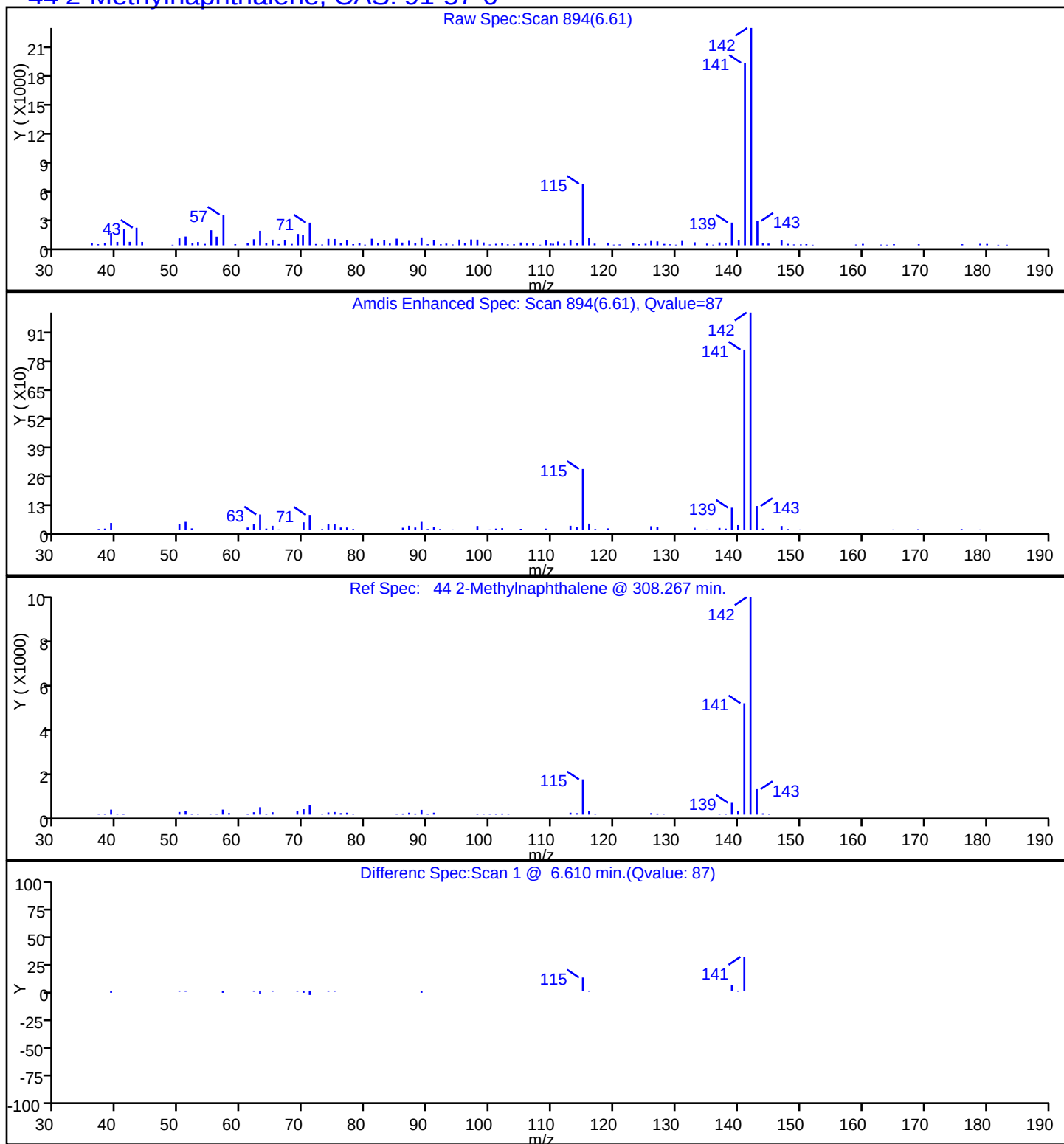
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

44 2-Methylnaphthalene, CAS: 91-57-6



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35664.D

Injection Date: 22-Aug-2015 17:56:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-14-A

Lab Sample ID: 460-99997-14

Client ID: ES-14

Operator ID:

ALS Bottle#: 24

Worklist Smp#: 24

Injection Vol: 1.0 ul

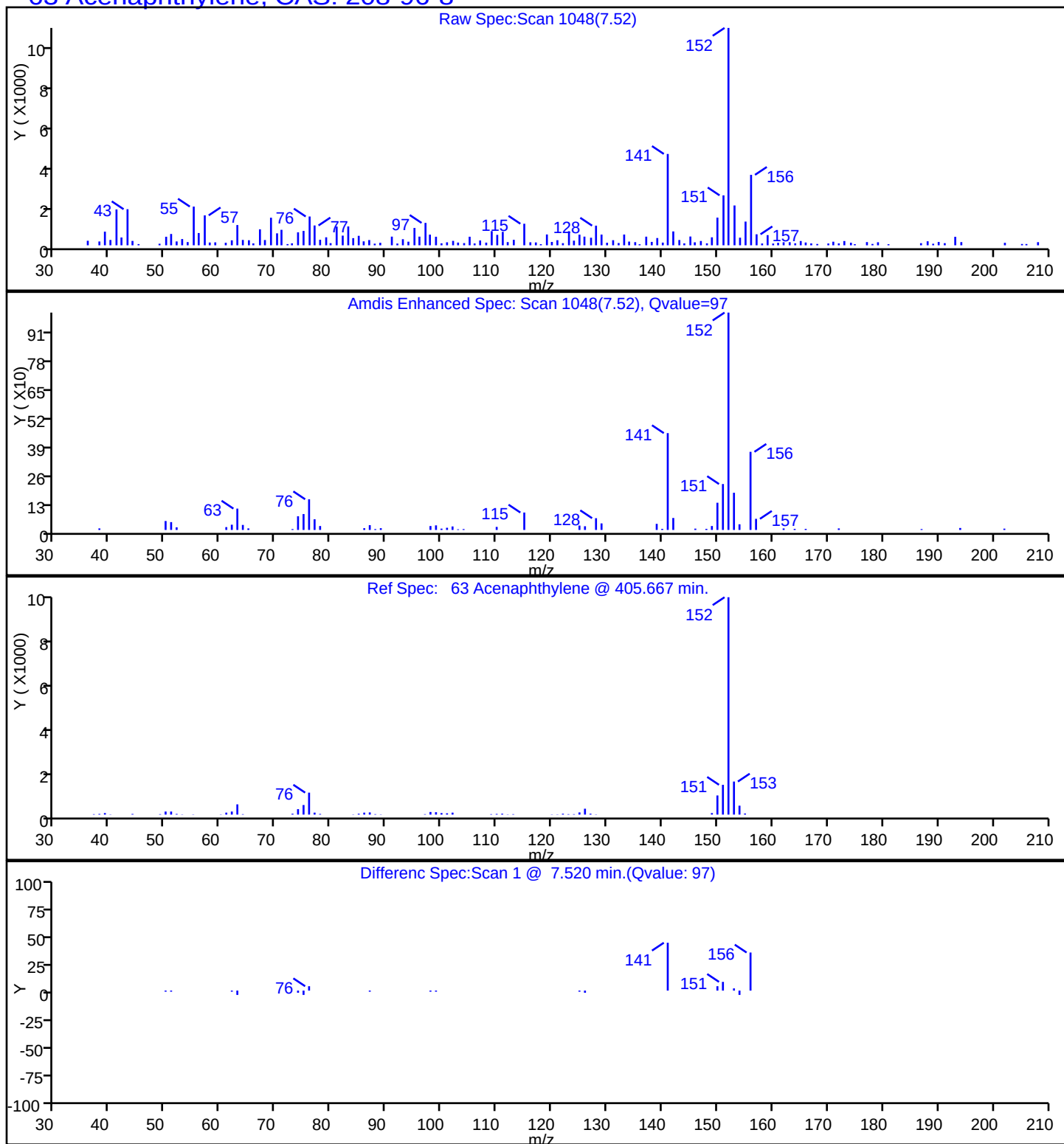
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

63 Acenaphthylene, CAS: 208-96-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35664.D

Injection Date: 22-Aug-2015 17:56:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-14-A

Lab Sample ID: 460-99997-14

Client ID: ES-14

Operator ID:

ALS Bottle#: 24

Worklist Smp#: 24

Injection Vol: 1.0 ul

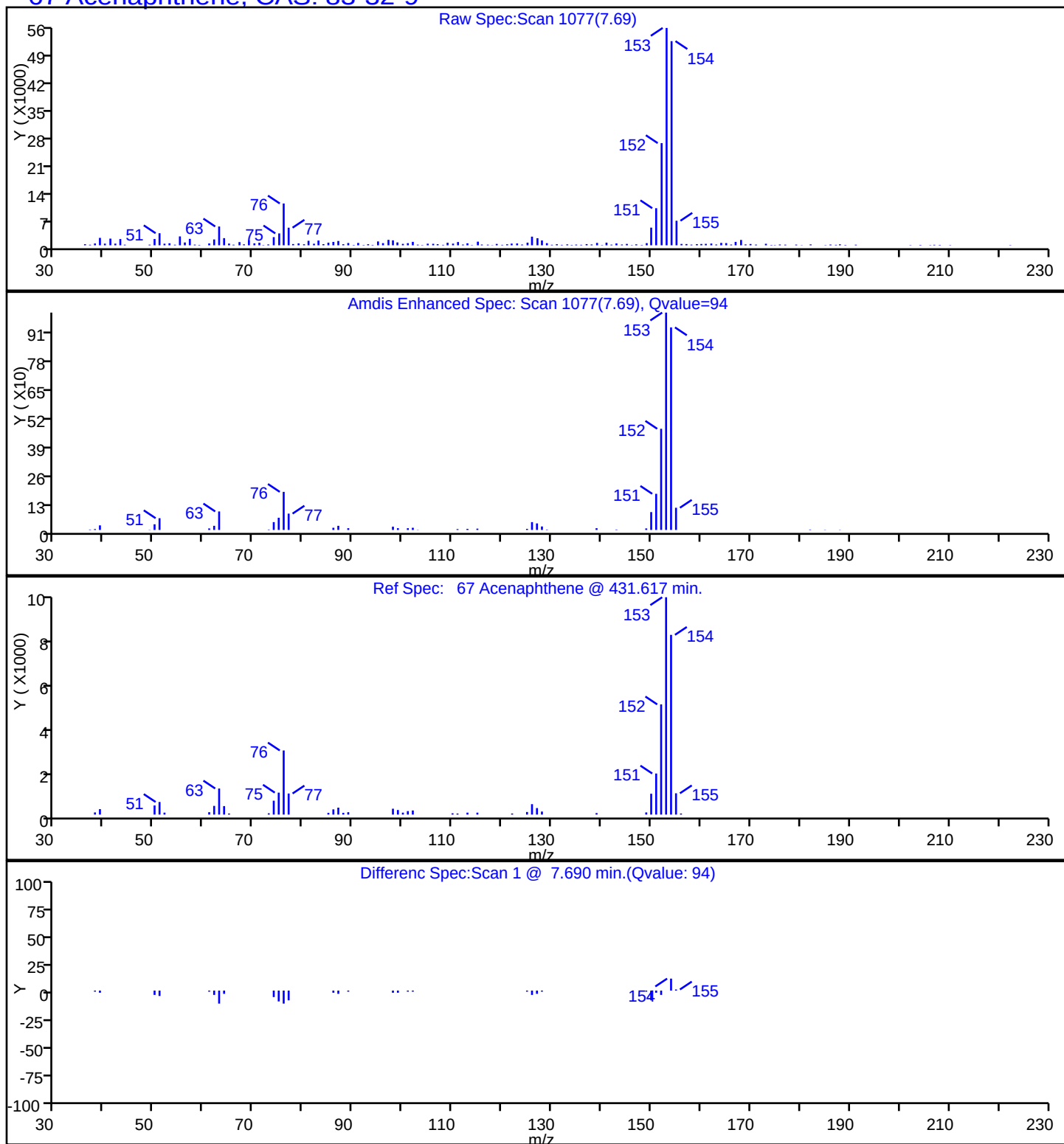
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

67 Acenaphthene, CAS: 83-32-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35664.D

Injection Date: 22-Aug-2015 17:56:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-14-A

Lab Sample ID: 460-99997-14

Client ID: ES-14

Operator ID:

ALS Bottle#: 24

Worklist Smp#: 24

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

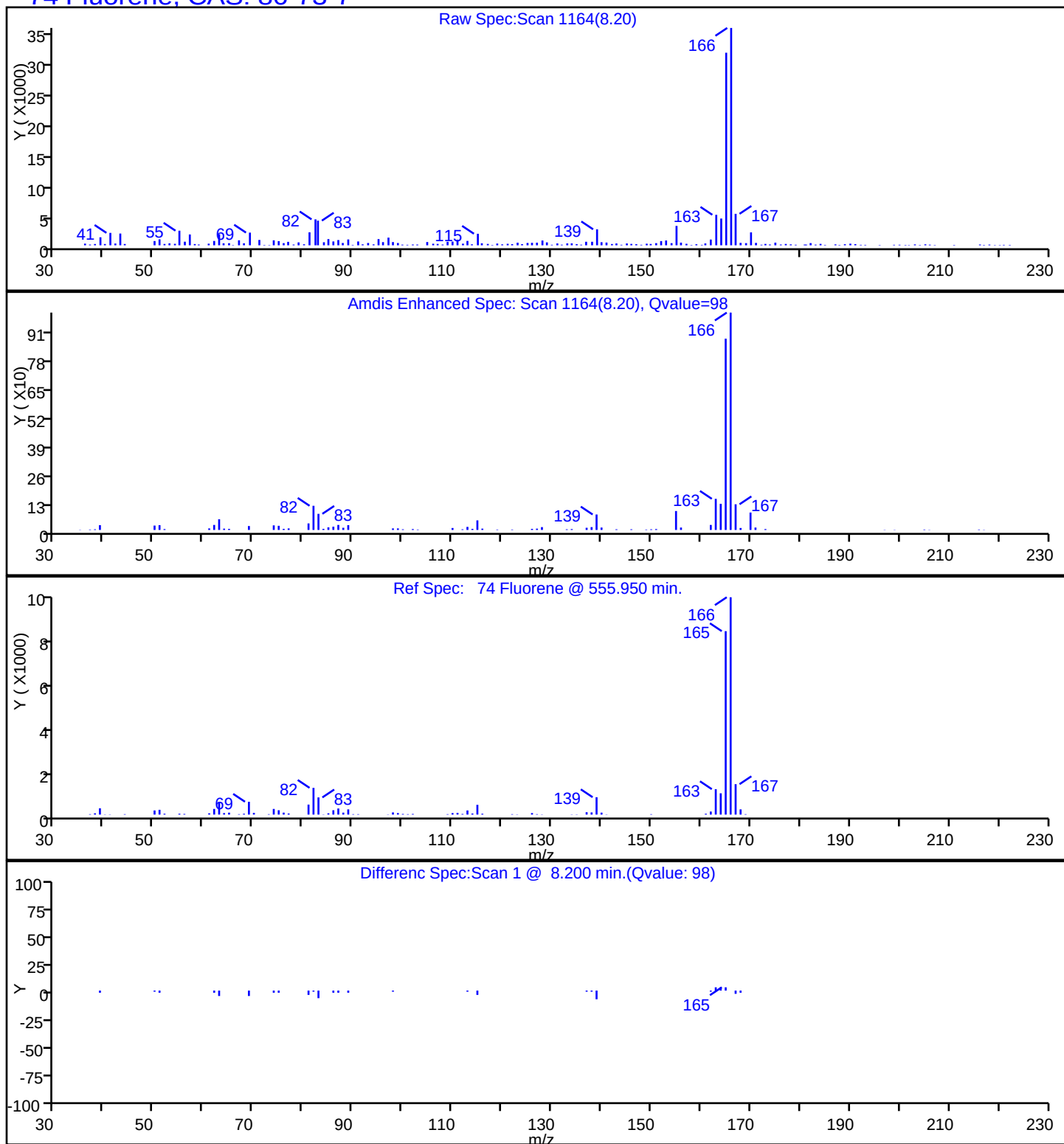
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

74 Fluorene, CAS: 86-73-7



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35664.D

Injection Date: 22-Aug-2015 17:56:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-14-A

Lab Sample ID: 460-99997-14

Client ID: ES-14

Operator ID:

ALS Bottle#: 24

Worklist Smp#: 24

Injection Vol: 1.0 ul

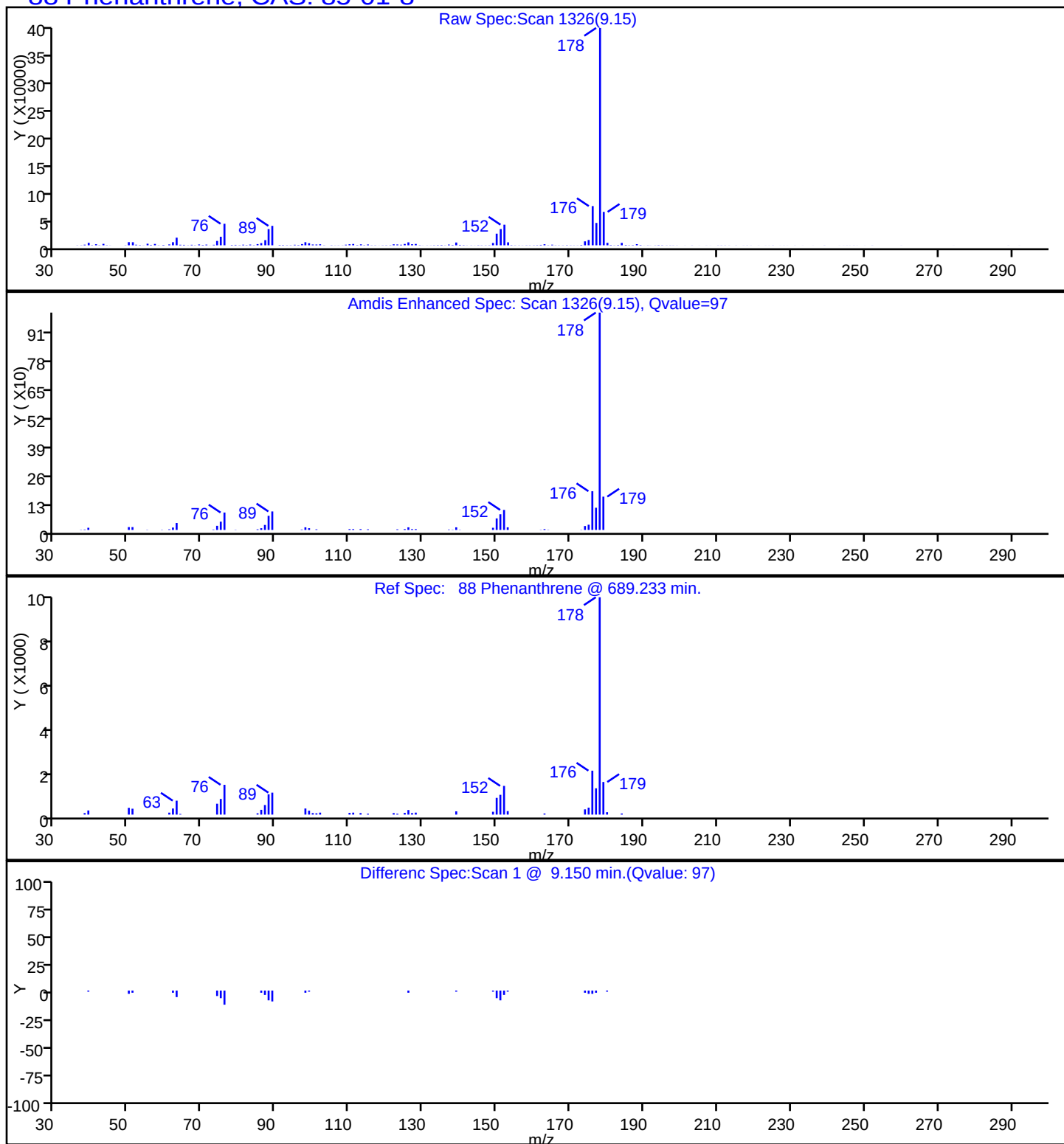
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

88 Phenanthrene, CAS: 85-01-8

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35664.D

Injection Date: 22-Aug-2015 17:56:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-14-A

Lab Sample ID: 460-99997-14

Client ID: ES-14

Operator ID:

ALS Bottle#: 24

Worklist Smp#: 24

Injection Vol: 1.0 ul

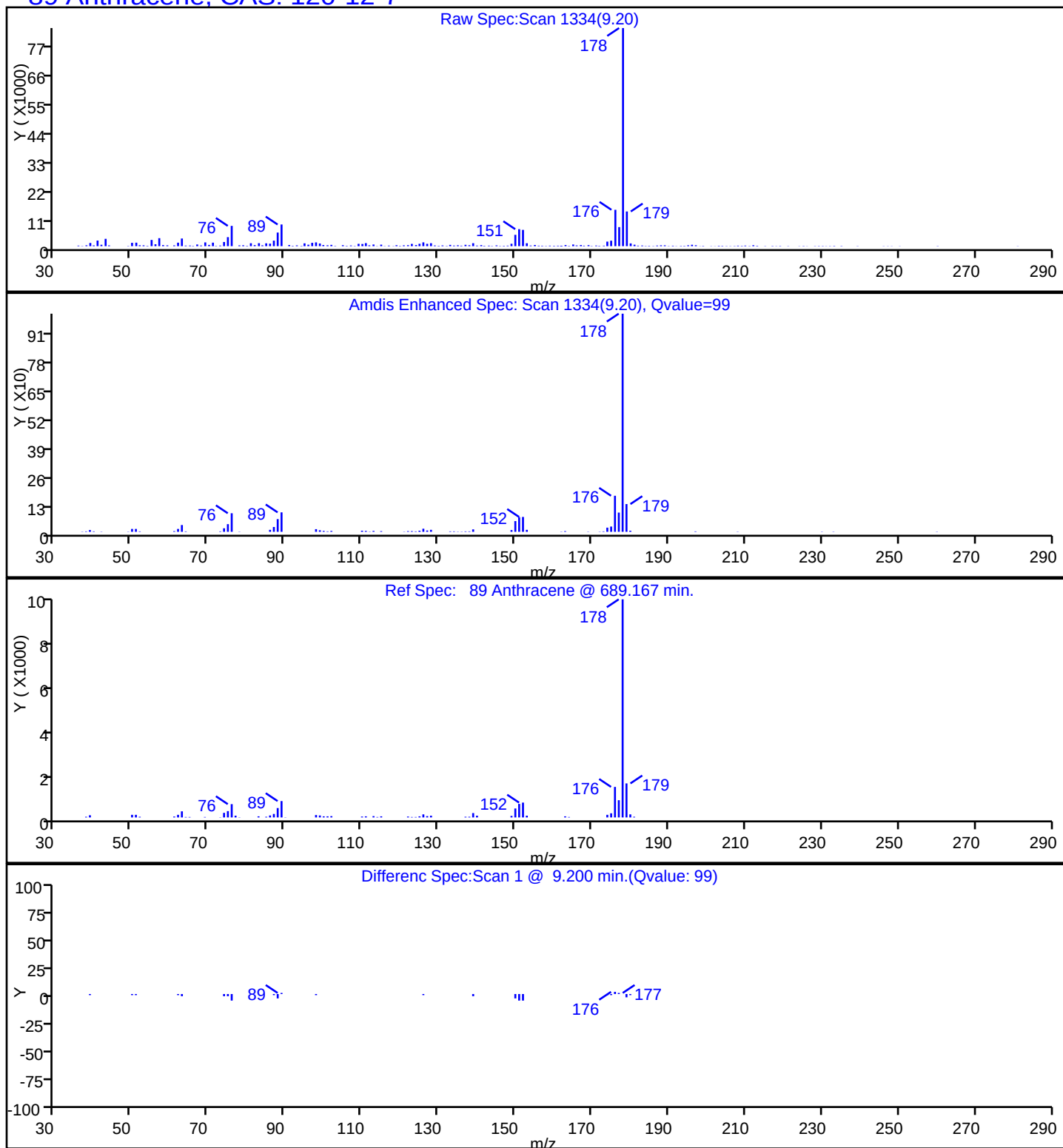
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

89 Anthracene, CAS: 120-12-7

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35664.D

Injection Date: 22-Aug-2015 17:56:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-14-A

Lab Sample ID: 460-99997-14

Client ID: ES-14

Operator ID:

ALS Bottle#: 24

Worklist Smp#: 24

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

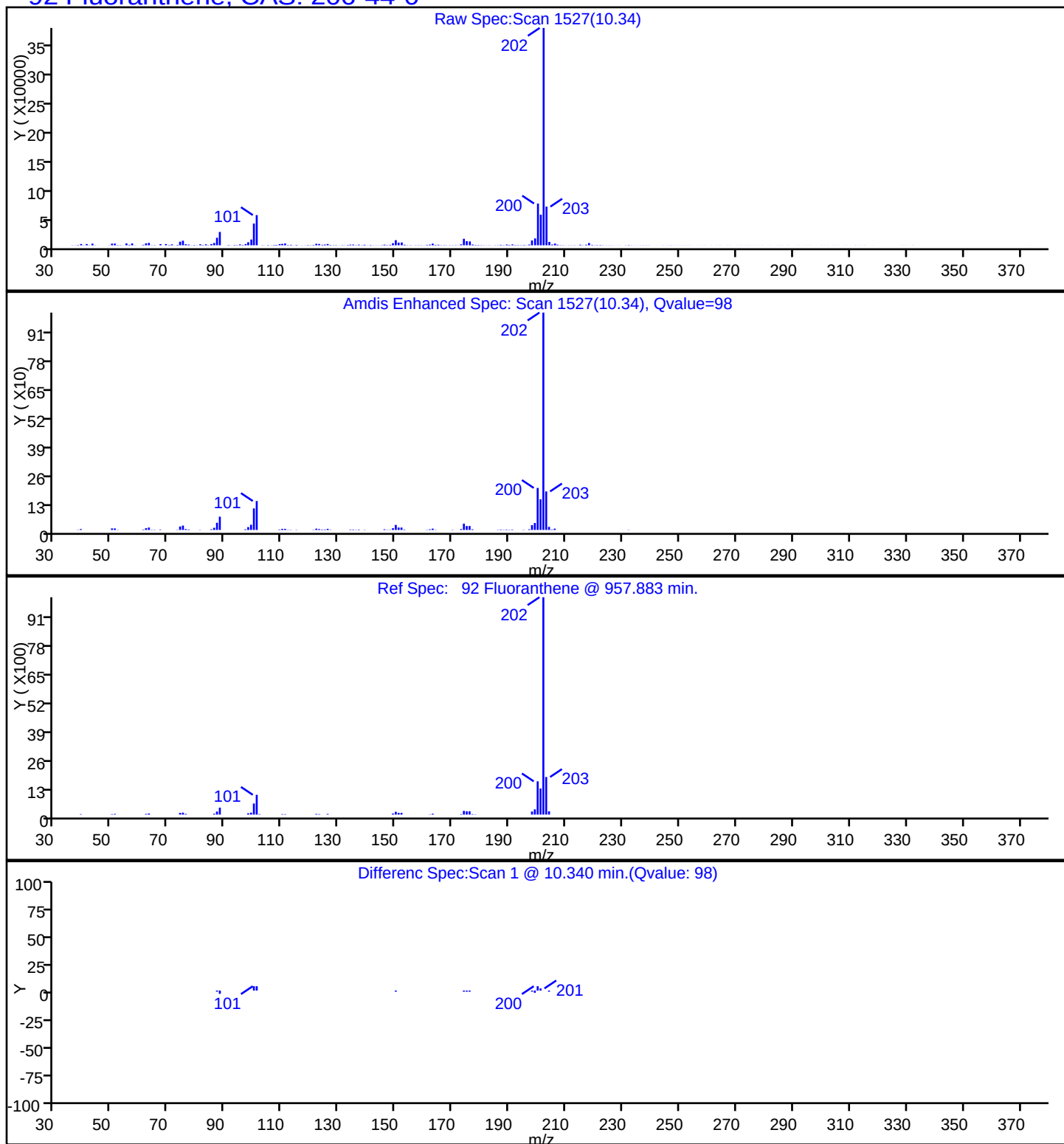
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

92 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35664.D

Injection Date: 22-Aug-2015 17:56:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-14-A

Lab Sample ID: 460-99997-14

Client ID: ES-14

Operator ID:

ALS Bottle#:

24

Worklist Smp#:

24

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

Limit Group:

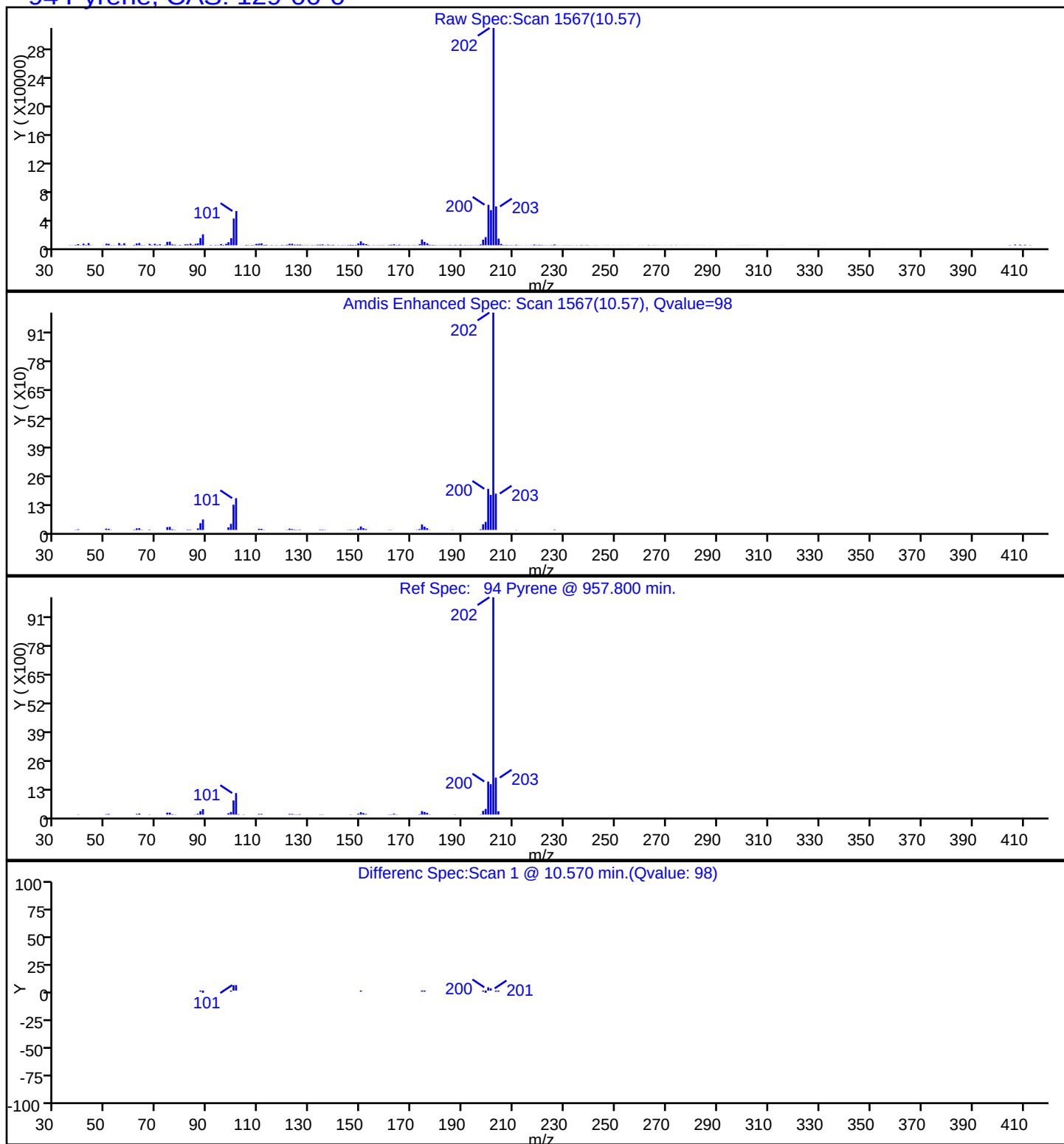
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

94 Pyrene, CAS: 129-00-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35664.D

Injection Date: 22-Aug-2015 17:56:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-14-A

Lab Sample ID: 460-99997-14

Client ID: ES-14

Operator ID:

ALS Bottle#: 24

Worklist Smp#: 24

Injection Vol: 1.0 ul

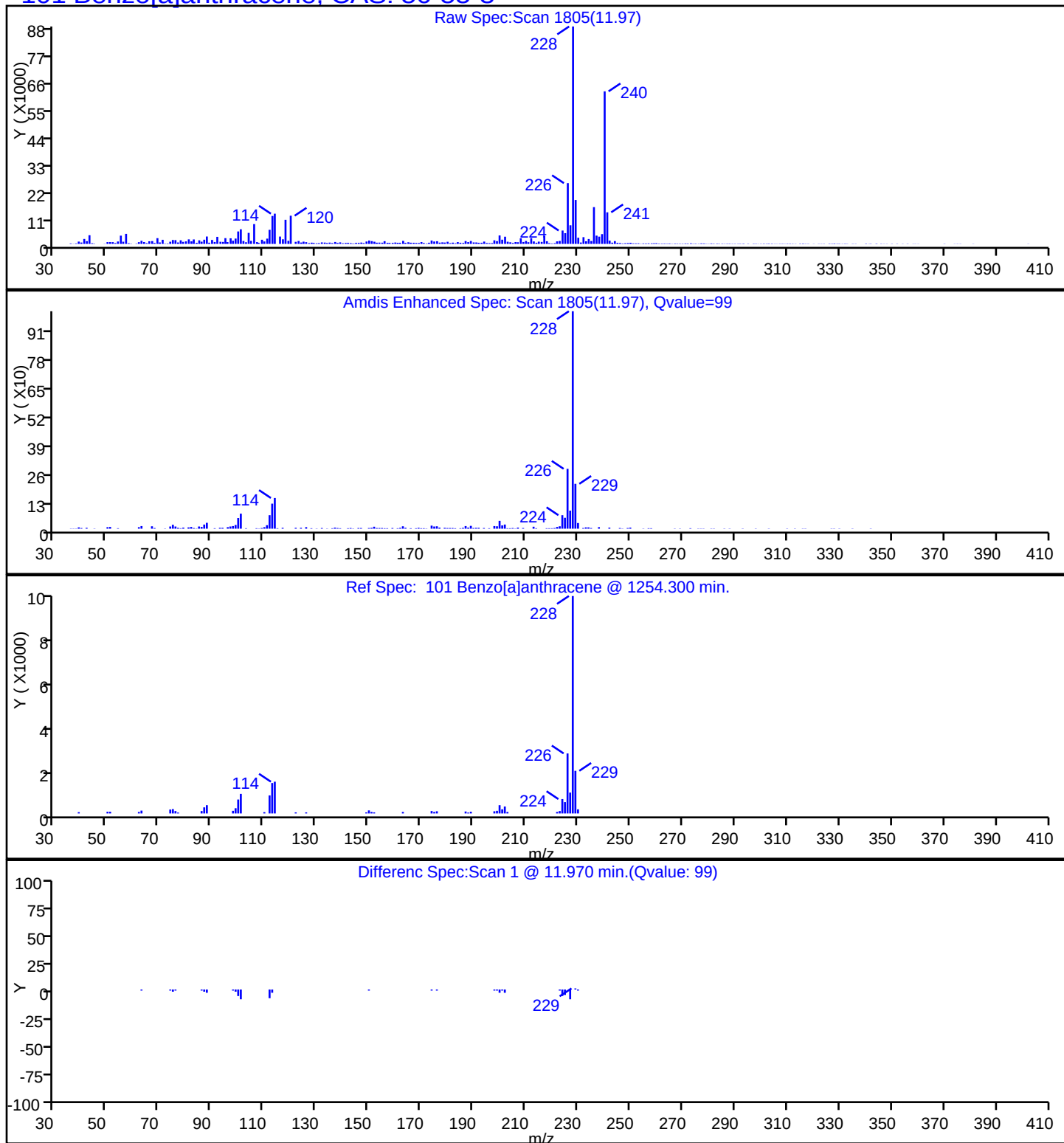
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

101 Benzo[a]anthracene, CAS: 56-55-3

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35664.D

Injection Date: 22-Aug-2015 17:56:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-14-A

Lab Sample ID: 460-99997-14

Client ID: ES-14

Operator ID:

ALS Bottle#: 24

Worklist Smp#: 24

Injection Vol: 1.0 ul

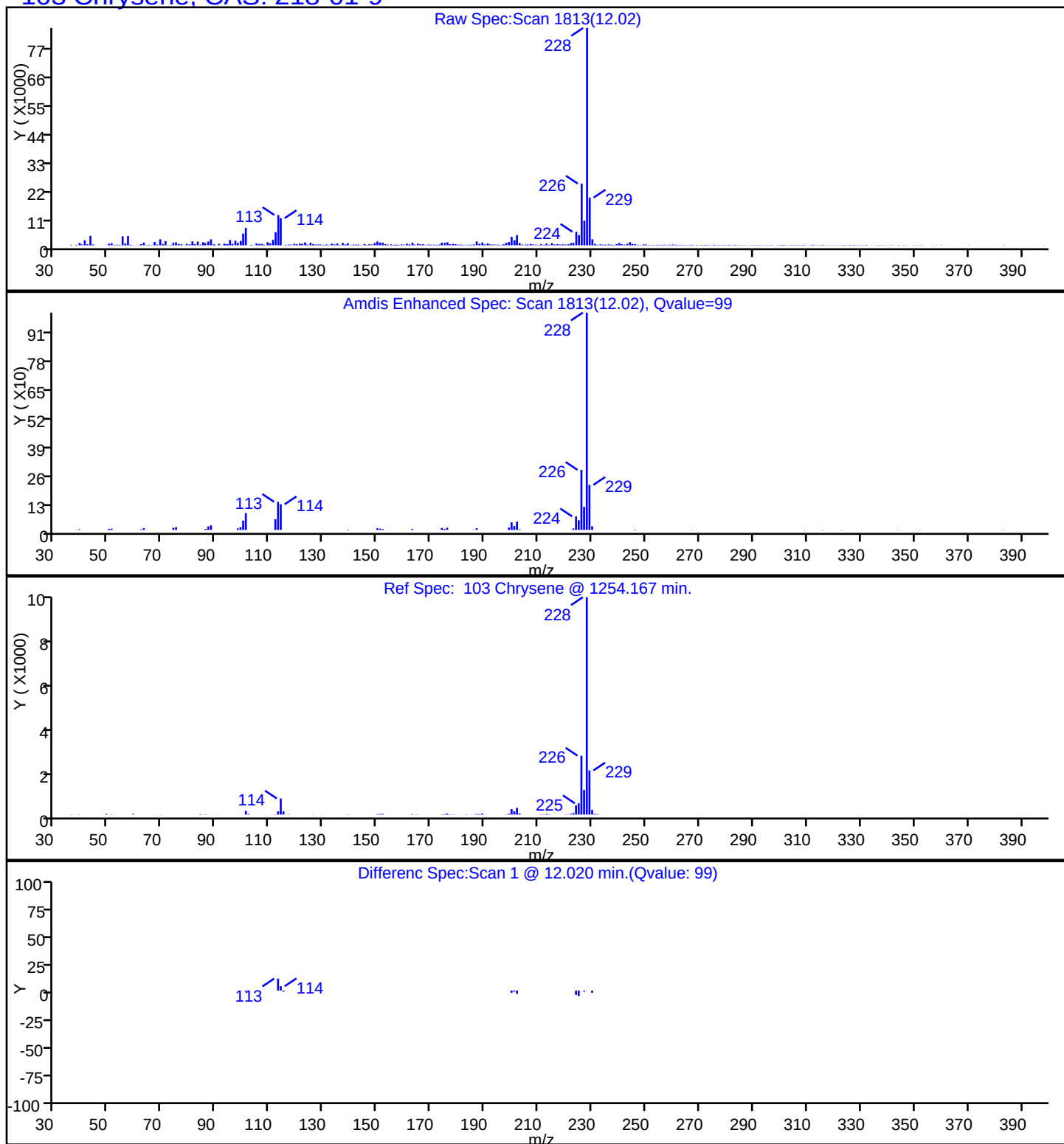
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

103 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35664.D

Injection Date: 22-Aug-2015 17:56:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-14-A

Lab Sample ID: 460-99997-14

Client ID: ES-14

Operator ID:

ALS Bottle#: 24

Worklist Smp#: 24

Injection Vol: 1.0 ul

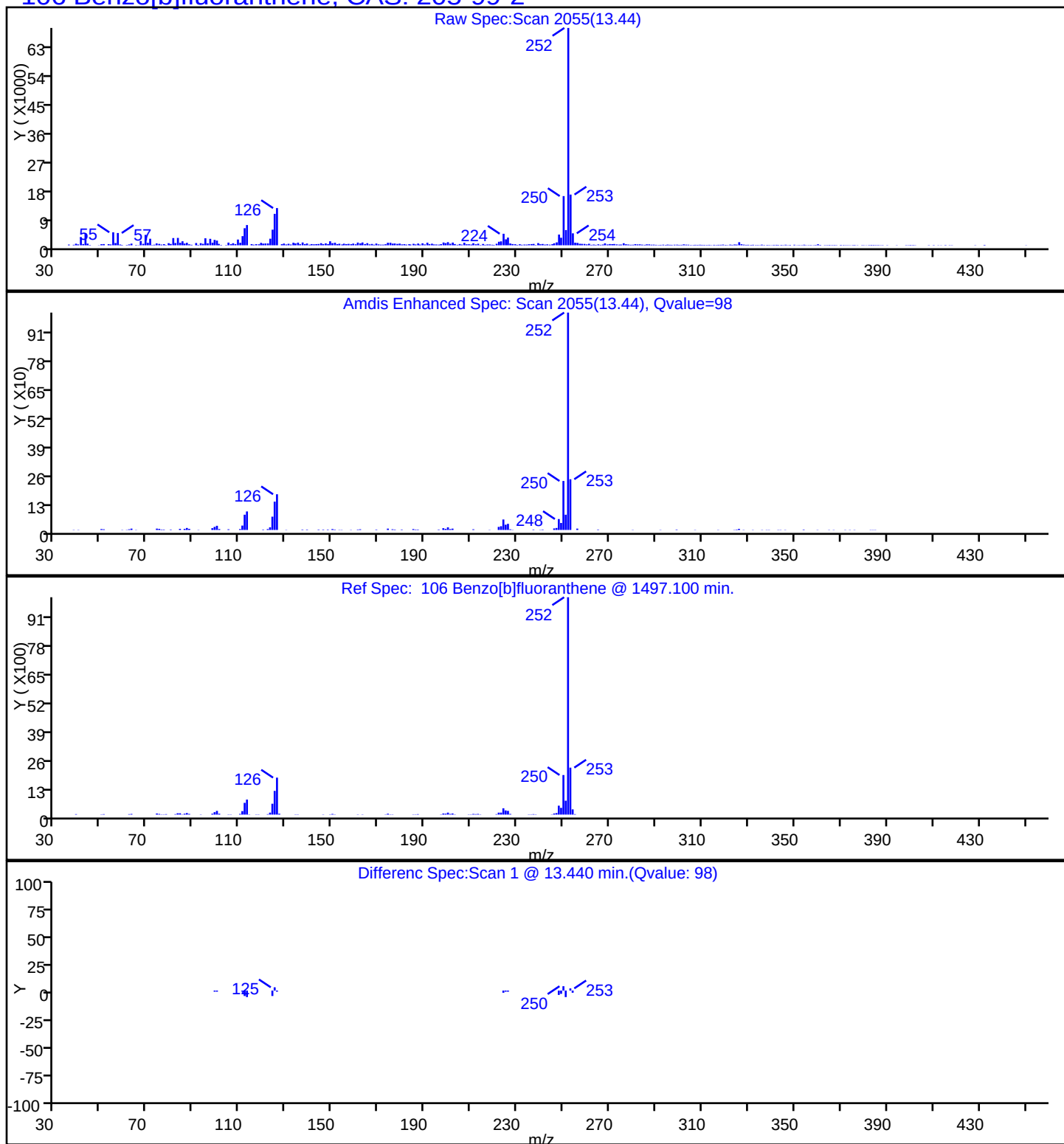
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

106 Benzo[b]fluoranthene, CAS: 205-99-2

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35664.D

Injection Date: 22-Aug-2015 17:56:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-14-A

Lab Sample ID: 460-99997-14

Client ID: ES-14

Operator ID:

ALS Bottle#: 24

Worklist Smp#: 24

Injection Vol: 1.0 ul

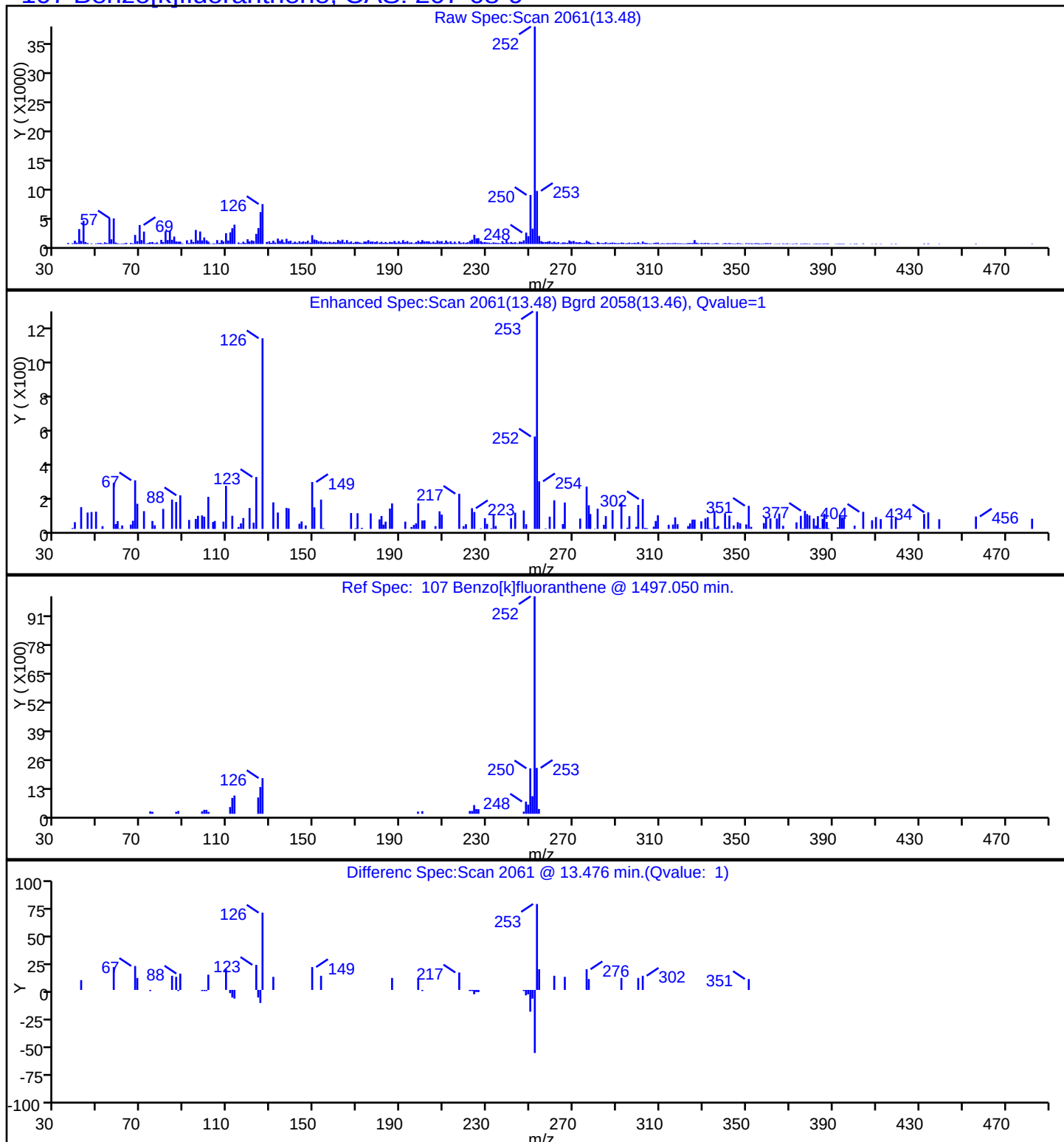
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

107 Benzo[k]fluoranthene, CAS: 207-08-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35664.D

Injection Date: 22-Aug-2015 17:56:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-14-A

Lab Sample ID: 460-99997-14

Client ID: ES-14

Operator ID:

ALS Bottle#: 24

Worklist Smp#: 24

Injection Vol: 1.0 ul

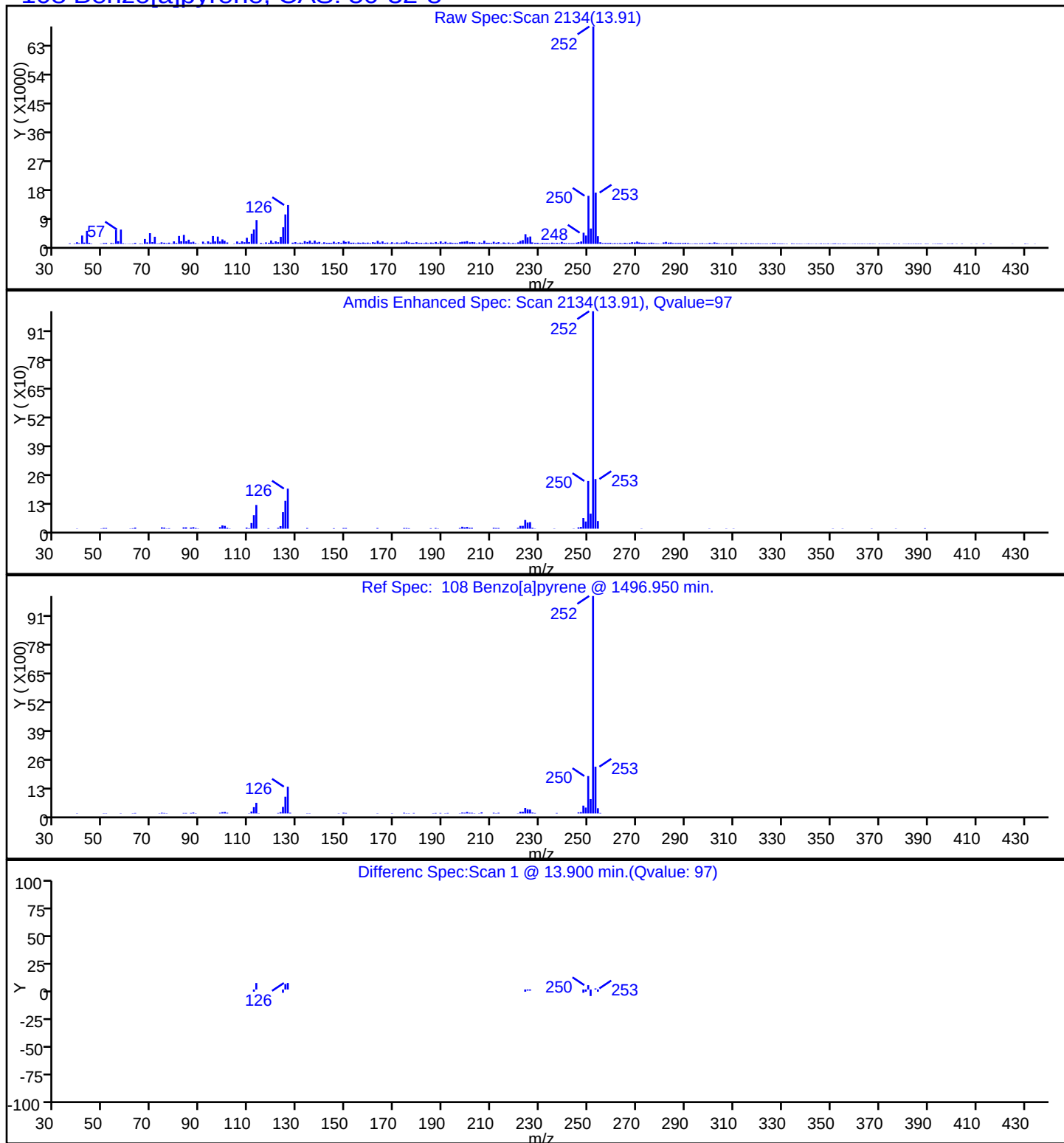
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

108 Benzo[a]pyrene, CAS: 50-32-8

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35664.D

Injection Date: 22-Aug-2015 17:56:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-14-A

Lab Sample ID: 460-99997-14

Client ID: ES-14

Operator ID:

ALS Bottle#: 24

Worklist Smp#: 24

Injection Vol: 1.0 ul

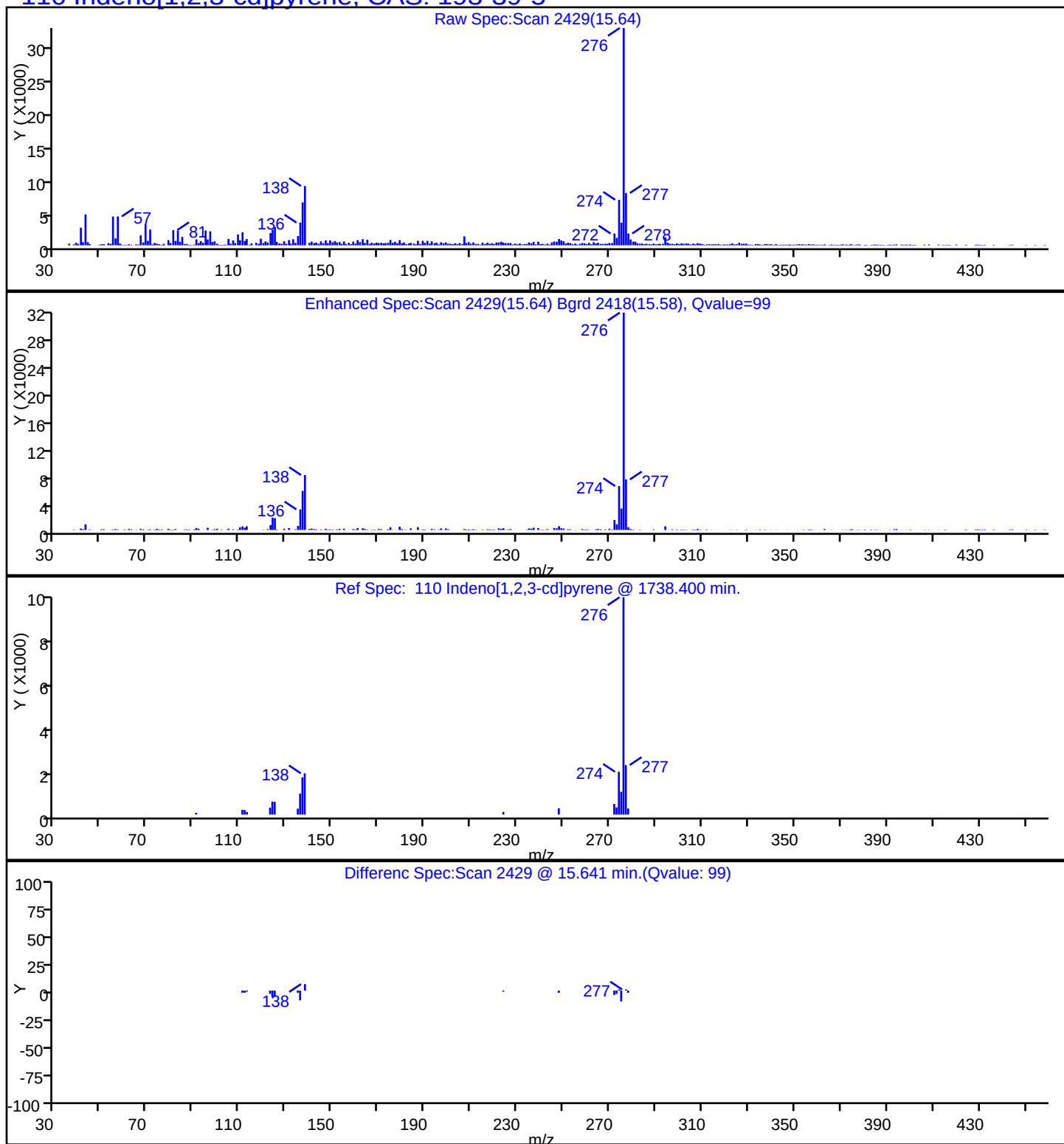
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35664.D

Injection Date: 22-Aug-2015 17:56:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-14-A

Lab Sample ID: 460-99997-14

Client ID: ES-14

Operator ID:

ALS Bottle#:

24

Worklist Smp#:

24

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

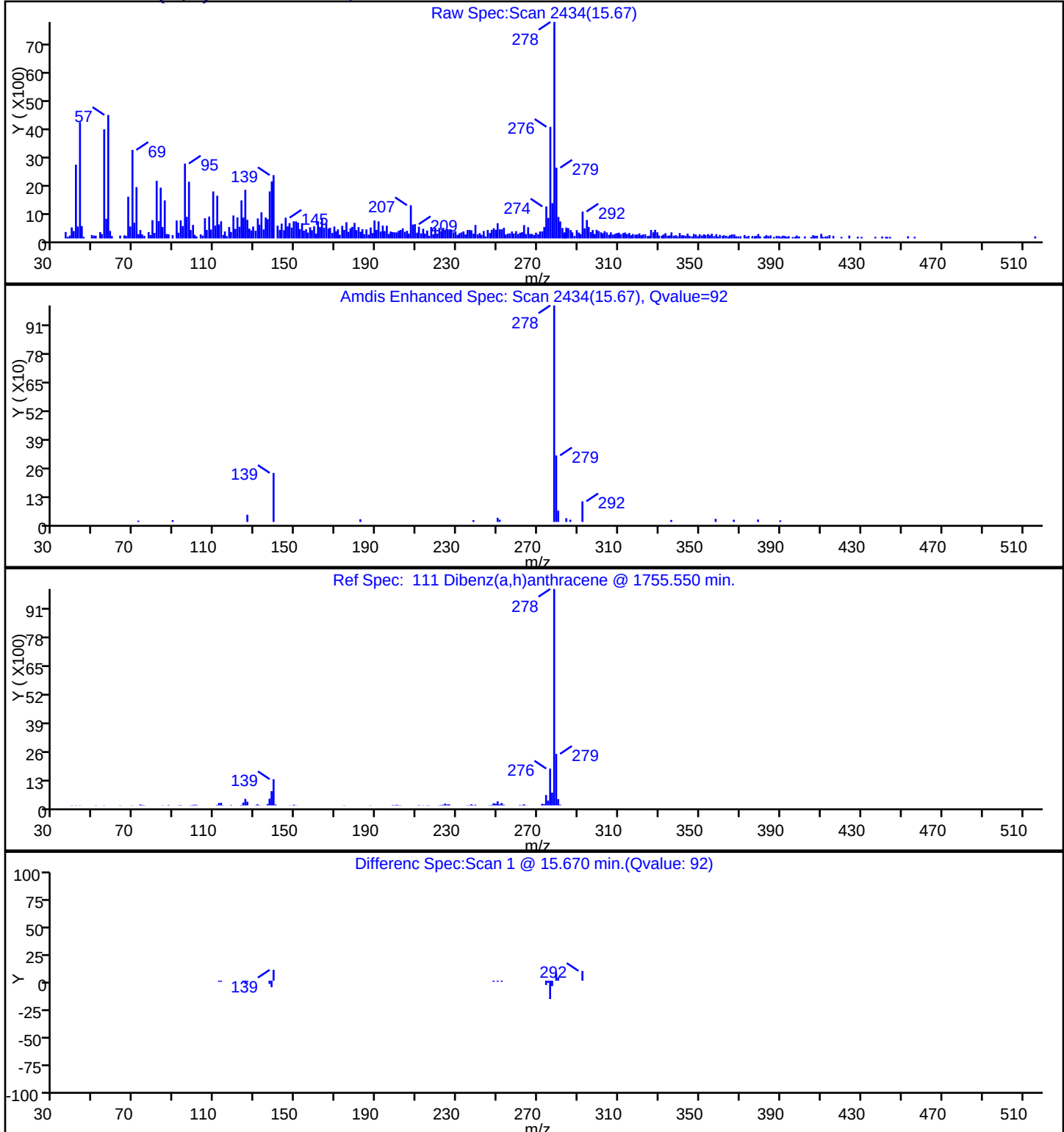
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

111 Dibenz(a,h)anthracene, CAS: 53-70-3

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35664.D

Injection Date: 22-Aug-2015 17:56:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-14-A

Lab Sample ID: 460-99997-14

Client ID: ES-14

Operator ID:

ALS Bottle#: 24

Worklist Smp#: 24

Injection Vol: 1.0 ul

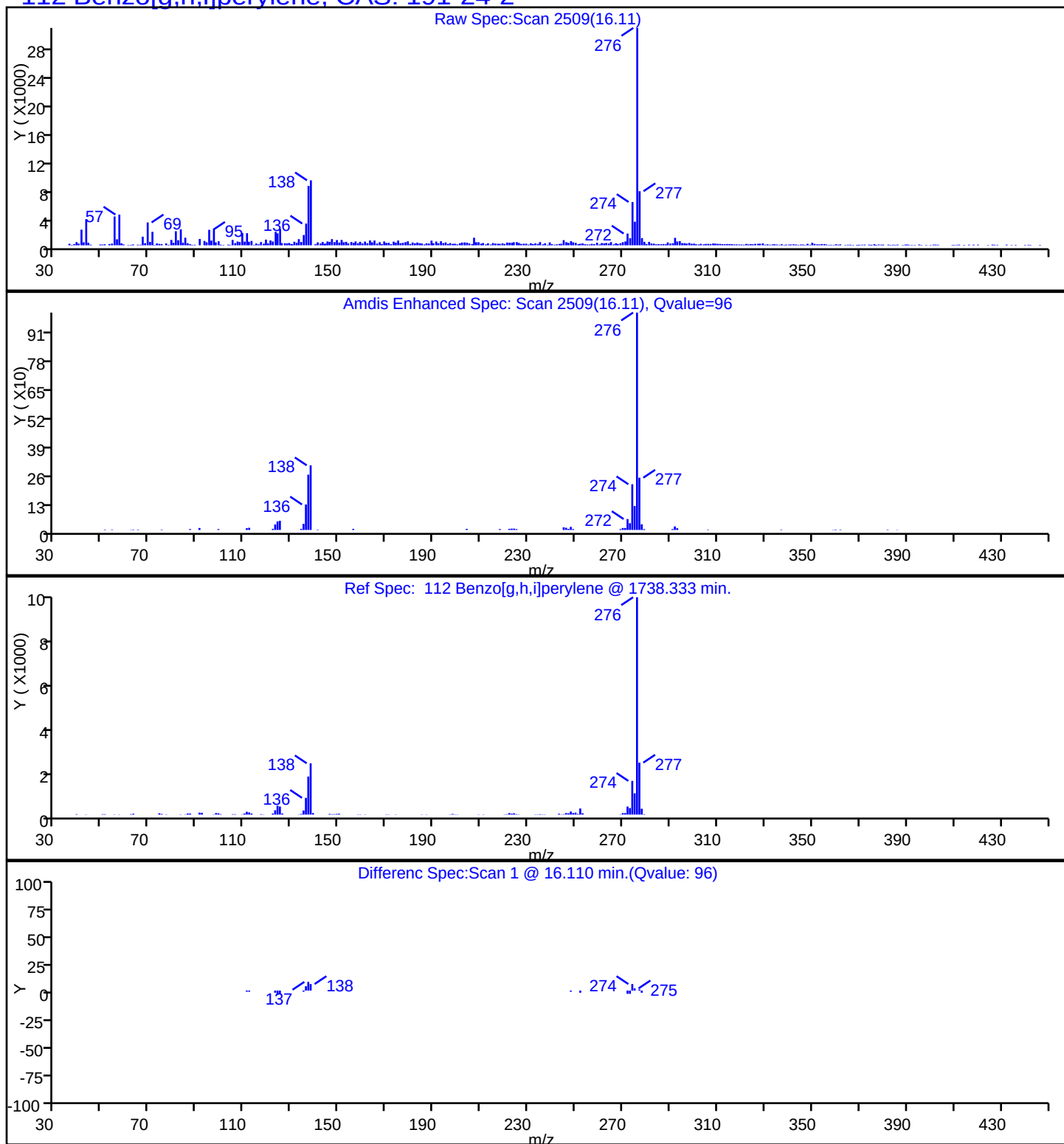
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

112 Benzo[g,h,i]perylene, CAS: 191-24-2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-15</u>	Lab Sample ID: <u>460-99997-15</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z35648.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>08/20/2015 13:20</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>08/21/2015 21:30</u>
Sample wt/vol: <u>15.0302(g)</u>	Date Analyzed: <u>08/22/2015 11:50</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>19.1</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318190</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.010	U	0.41	0.010
91-57-6	2-Methylnaphthalene	0.0090	U	0.41	0.0090
208-96-8	Acenaphthylene	0.010	U	0.41	0.010
83-32-9	Acenaphthene	0.0099	U	0.41	0.0099
86-73-7	Fluorene	0.0089	U	0.41	0.0089
85-01-8	Phenanthrene	0.018	J	0.41	0.011
120-12-7	Anthracene	0.039	U	0.41	0.039
206-44-0	Fluoranthene	0.037	J	0.41	0.012
129-00-0	Pyrene	0.031	J	0.41	0.019
56-55-3	Benzo[a]anthracene	0.034	U	0.041	0.034
218-01-9	Chrysene	0.026	J	0.41	0.011
205-99-2	Benzo[b]fluoranthene	0.033	J	0.041	0.016
207-08-9	Benzo[k]fluoranthene	0.018	U	0.041	0.018
50-32-8	Benzo[a]pyrene	0.027	J	0.041	0.012
193-39-5	Indeno[1,2,3-cd]pyrene	0.027	U	0.041	0.027
53-70-3	Dibenz(a,h)anthracene	0.021	U	0.041	0.021
191-24-2	Benzo[g,h,i]perylene	0.023	U	0.41	0.023

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	78		30-130
1718-51-0	Terphenyl-d14	88		30-130
321-60-8	2-Fluorobiphenyl	77		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35648.D
 Lims ID: 460-99997-E-15-A Lab Sample ID: 460-99997-15
 Client ID: ES-15
 Sample Type: Client
 Inject. Date: 22-Aug-2015 11:50:30 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031003-008
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Aug-2015 10:07:01 Calib Date: 19-Aug-2015 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35546.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: szczecha

Date: 24-Aug-2015 10:07:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.547	3.336	0.211	95	547596	37.0	
\$ 6 Phenol-d5	99	4.283	4.259	0.024	86	686092	39.5	
* 14 1,4-Dichlorobenzene-d4	152	4.636	4.612	0.024	96	460845	40.0	
\$ 26 Nitrobenzene-d5	82	5.177	5.183	-0.006	91	594938	39.0	
* 38 Naphthalene-d8	136	5.900	5.894	0.006	99	1724080	40.0	
\$ 51 2-Fluorobiphenyl	172	6.977	6.983	-0.006	98	1303402	38.6	
* 65 Acenaphthene-d10	164	7.659	7.659	0.000	92	915497	40.0	
\$ 80 2,4,6-Tribromophenol	330	8.441	8.447	-0.006	95	151768	53.4	
* 87 Phenanthrene-d10	188	9.129	9.129	0.000	99	1302192	40.0	
88 Phenanthrene	178	9.153	9.165	-0.012	93	8072	0.2153	
92 Fluoranthene	202	10.335	10.341	-0.006	98	13012	0.4509	
94 Pyrene	202	10.570	10.576	-0.006	98	13576	0.3781	
\$ 96 Terphenyl-d14	244	10.729	10.729	0.000	99	962774	44.1	
* 102 Chrysene-d12	240	11.988	11.982	0.006	99	726533	40.0	
103 Chrysene	228	12.012	12.023	-0.011	98	6102	0.3139	
106 Benzo[b]fluoranthene	252	13.429	13.447	-0.018	98	5578	0.4030	
107 Benzo[k]fluoranthene	252	13.470	13.482	-0.012	4	2215	0.1602	
108 Benzo[a]pyrene	252	13.894	13.906	-0.012	96	4010	0.3280	
* 109 Perylene-d12	264	13.988	13.982	0.006	97	459030	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.623	15.647	-0.024	96	2018	0.2162	

Reagents:

SM_ISTD_00091 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35648.D

Injection Date: 22-Aug-2015 11:50:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: 460-99997-E-15-A

Lab Sample ID: 460-99997-15

Worklist Smp#: 8

Client ID: ES-15

Injection Vol: 1.0 ul

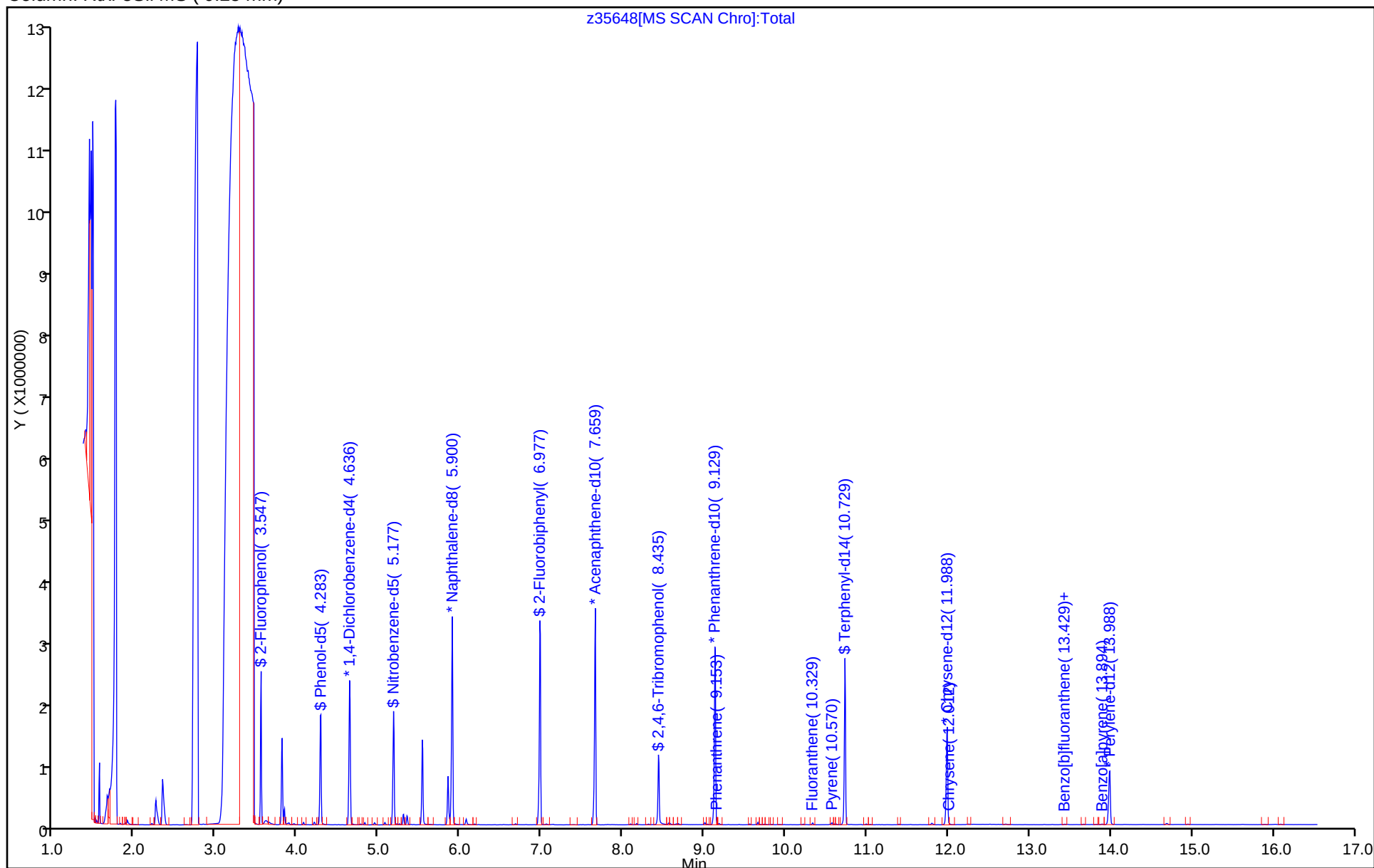
Dil. Factor: 1.0000

ALS Bottle#: 8

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35648.D

Injection Date: 22-Aug-2015 11:50:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-15-A

Lab Sample ID: 460-99997-15

Client ID: ES-15

Operator ID:

ALS Bottle#:

8

Worklist Smp#:

8

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

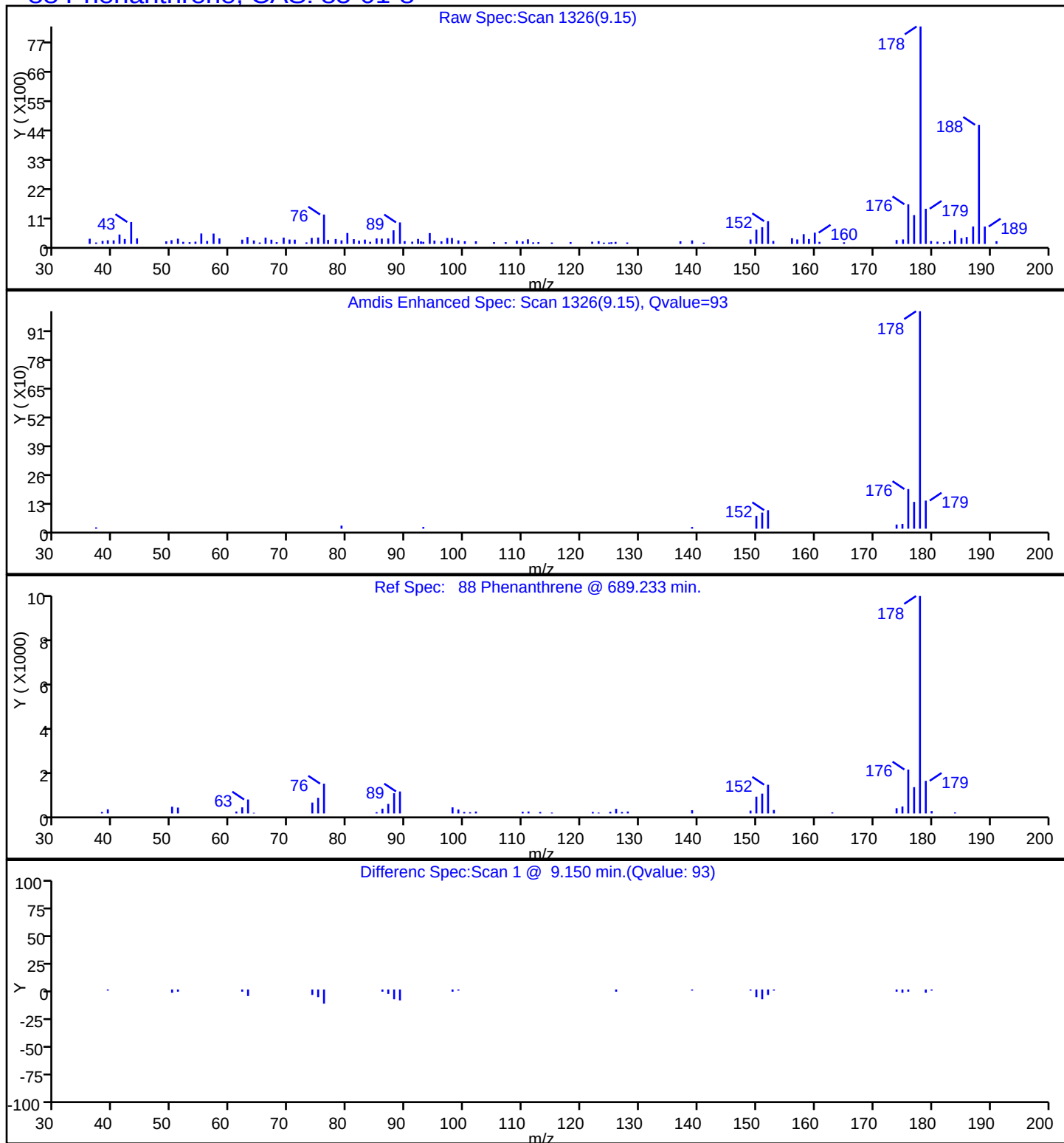
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

88 Phenanthrene, CAS: 85-01-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35648.D

Injection Date: 22-Aug-2015 11:50:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-15-A

Lab Sample ID: 460-99997-15

Client ID: ES-15

Operator ID:

ALS Bottle#:

8

Worklist Smp#:

8

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

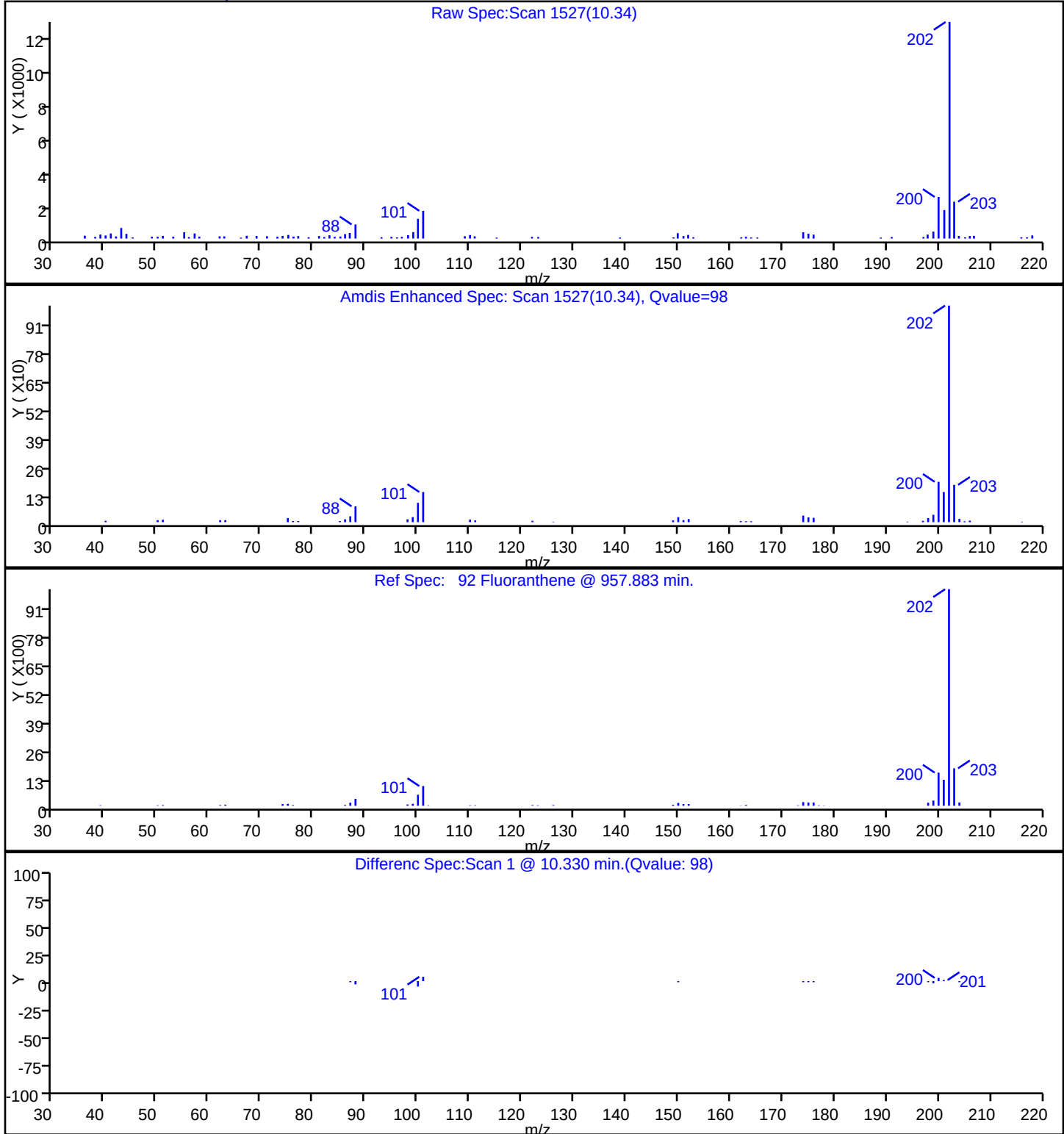
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

92 Fluoranthene, CAS: 206-44-0

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35648.D

Injection Date: 22-Aug-2015 11:50:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-15-A

Lab Sample ID: 460-99997-15

Client ID: ES-15

Operator ID:

ALS Bottle#: 8

Worklist Smp#: 8

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

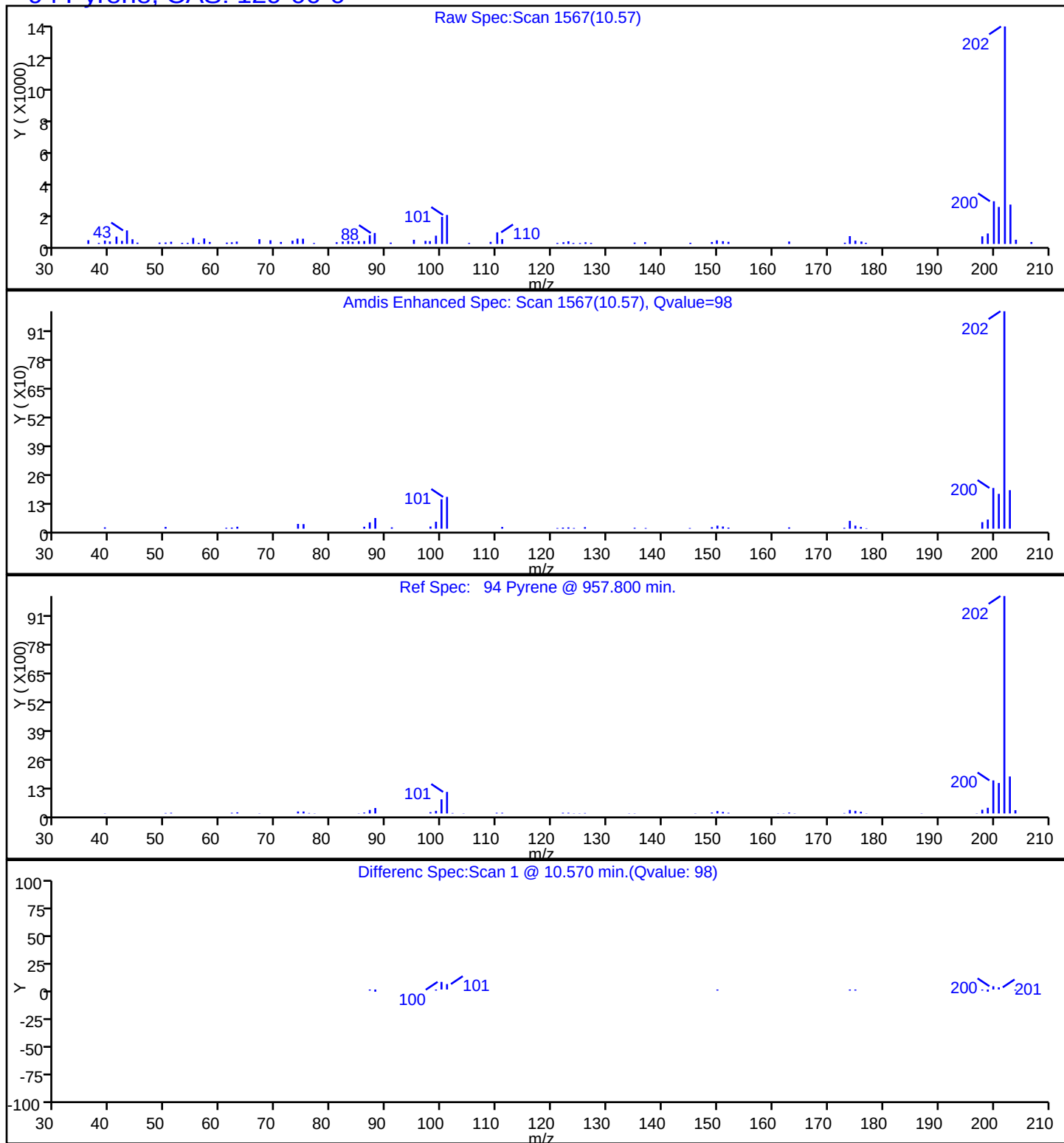
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

94 Pyrene, CAS: 129-00-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35648.D

Injection Date: 22-Aug-2015 11:50:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-15-A

Lab Sample ID: 460-99997-15

Client ID: ES-15

Operator ID:

ALS Bottle#:

8

Worklist Smp#:

8

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

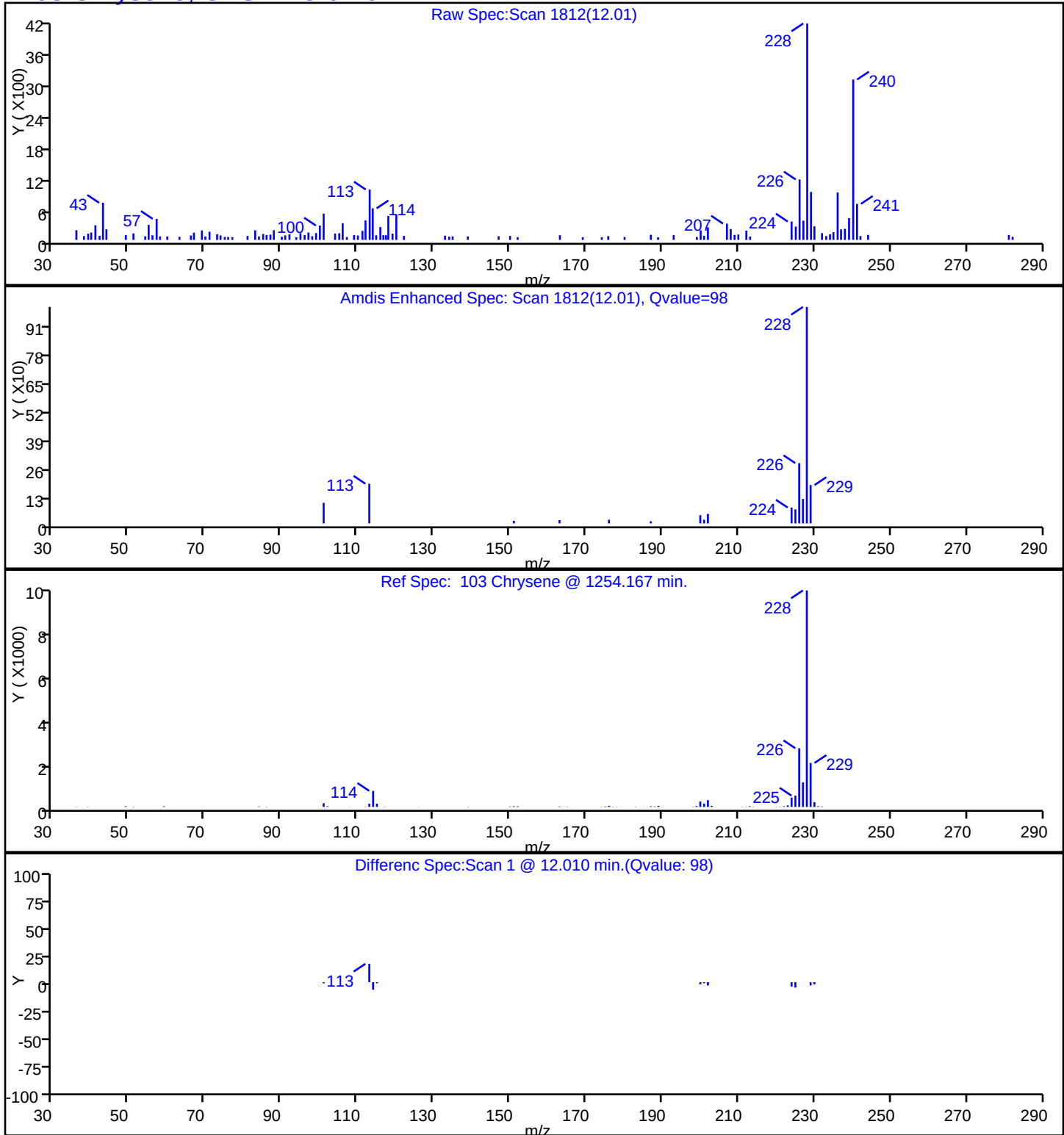
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

103 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35648.D

Injection Date: 22-Aug-2015 11:50:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-15-A

Lab Sample ID: 460-99997-15

Client ID: ES-15

Operator ID:

ALS Bottle#: 8

Worklist Smp#: 8

Injection Vol: 1.0 ul

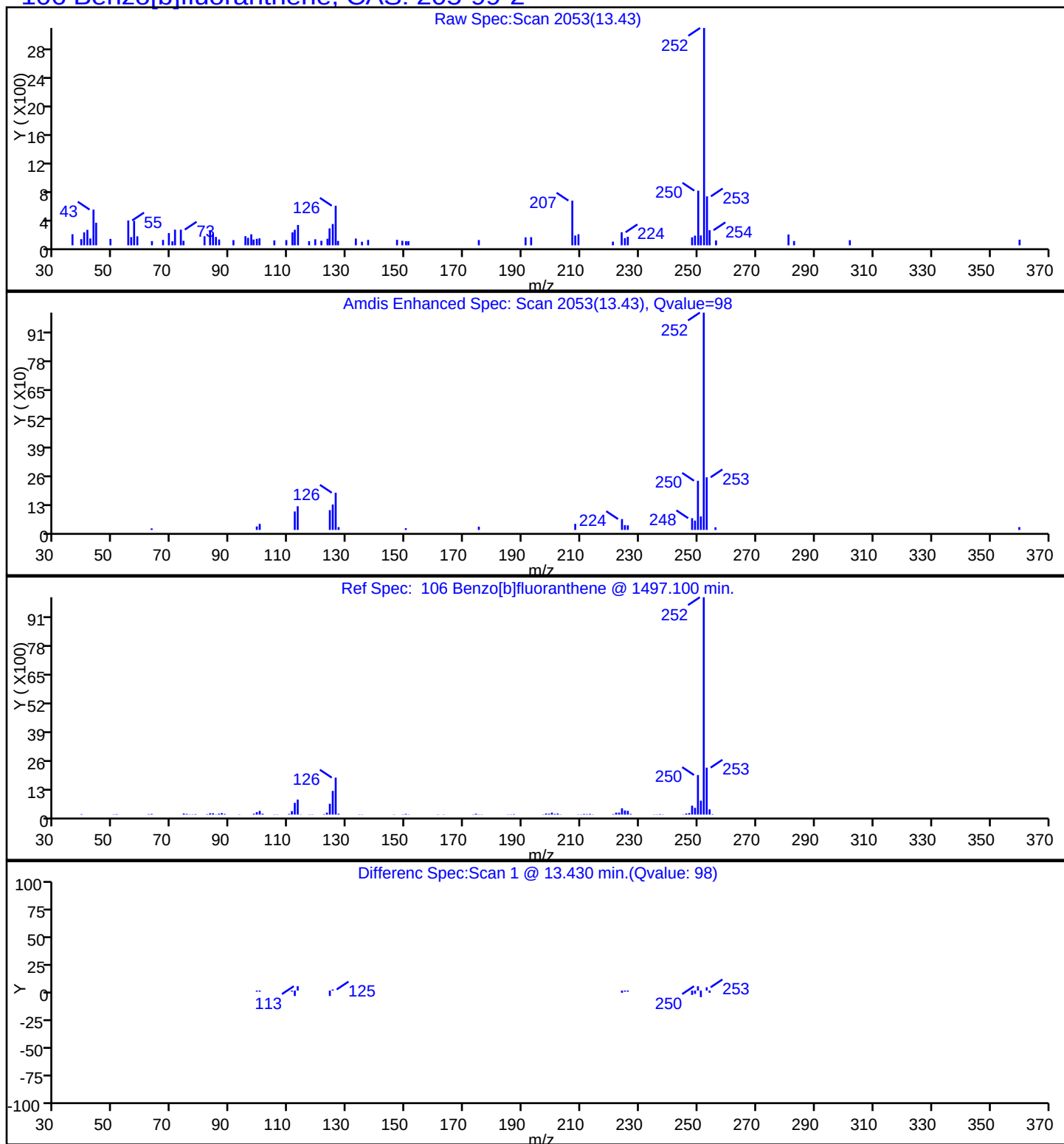
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

106 Benzo[b]fluoranthene, CAS: 205-99-2

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35648.D

Injection Date: 22-Aug-2015 11:50:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-15-A

Lab Sample ID: 460-99997-15

Client ID: ES-15

Operator ID:

ALS Bottle#:

8

Worklist Smp#:

8

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

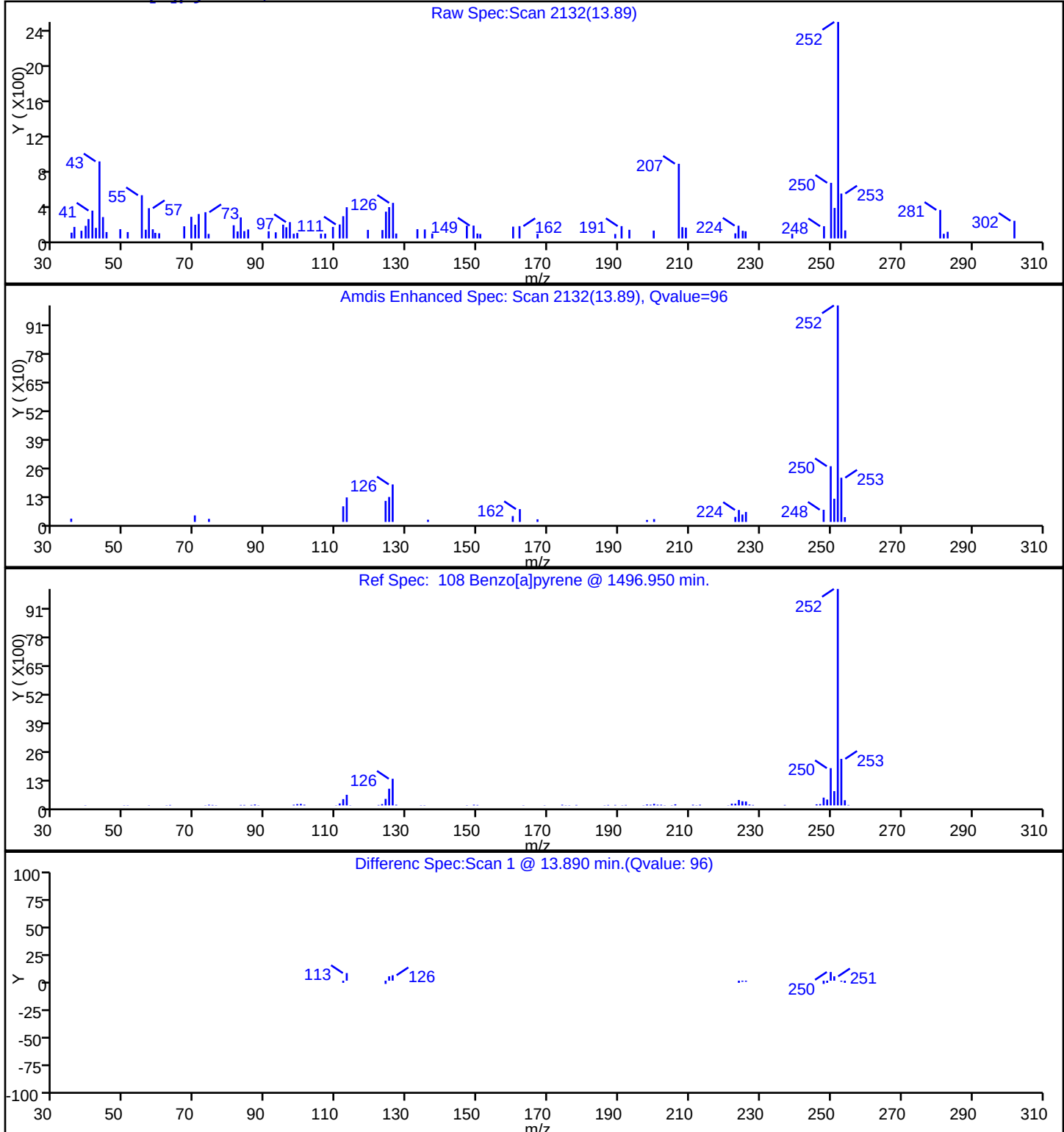
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

108 Benzo[a]pyrene, CAS: 50-32-8

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-16</u>	Lab Sample ID: <u>460-99997-16</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z35693.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>08/20/2015 13:37</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>08/21/2015 21:30</u>
Sample wt/vol: <u>15.0415(g)</u>	Date Analyzed: <u>08/24/2015 14:06</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>5</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>11.7</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318357</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.047	U	1.9	0.047
91-57-6	2-Methylnaphthalene	0.041	U	1.9	0.041
208-96-8	Acenaphthylene	0.048	U	1.9	0.048
83-32-9	Acenaphthene	0.13	J	1.9	0.045
86-73-7	Fluorene	0.083	J	1.9	0.041
85-01-8	Phenanthrene	1.2	J	1.9	0.050
120-12-7	Anthracene	0.26	J	1.9	0.18
206-44-0	Fluoranthene	1.6	J	1.9	0.055
129-00-0	Pyrene	0.96	J	1.9	0.085
56-55-3	Benzo[a]anthracene	0.57		0.19	0.16
218-01-9	Chrysene	0.67	J	1.9	0.051
205-99-2	Benzo[b]fluoranthene	0.55		0.19	0.073
207-08-9	Benzo[k]fluoranthene	0.26		0.19	0.081
50-32-8	Benzo[a]pyrene	0.44		0.19	0.056
193-39-5	Indeno[1,2,3-cd]pyrene	0.41		0.19	0.12
53-70-3	Dibenz(a,h)anthracene	0.11	J	0.19	0.097
191-24-2	Benzo[g,h,i]perylene	0.33	J	1.9	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	75		30-130
1718-51-0	Terphenyl-d14	62		30-130
321-60-8	2-Fluorobiphenyl	78		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35693.D
 Lims ID: 460-99997-E-16-A Lab Sample ID: 460-99997-16
 Client ID: ES-16
 Sample Type: Client
 Inject. Date: 24-Aug-2015 14:06:30 ALS Bottle#: 25 Worklist Smp#: 25
 Injection Vol: 1.0 ul Dil. Factor: 5.0000
 Sample Info: 460-0031030-025
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Aug-2015 16:29:34 Calib Date: 19-Aug-2015 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35546.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: szczecha

Date: 24-Aug-2015 16:33:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.365	3.318	0.047	95	62103	6.01	
\$ 6 Phenol-d5	99	4.224	4.242	-0.018	86	48865	4.03	
* 14 1,4-Dichlorobenzene-d4	152	4.606	4.600	0.006	96	321912	40.0	
\$ 26 Nitrobenzene-d5	82	5.153	5.165	-0.012	91	66683	7.46	
31 Isophorone	82	5.406	5.430	-0.024	98	30097	2.07	
* 38 Naphthalene-d8	136	5.883	5.883	0.000	99	1011649	40.0	
\$ 51 2-Fluorobiphenyl	172	6.959	6.965	-0.006	98	112724	7.80	
* 65 Acenaphthene-d10	164	7.641	7.636	0.005	92	391192	40.0	
67 Acenaphthene	154	7.671	7.677	-0.006	92	4052	0.3462	
71 Dibenzofuran	168	7.841	7.847	-0.006	95	3638	0.2388	
74 Fluorene	166	8.182	8.183	-0.001	97	2577	0.2204	
\$ 80 2,4,6-Tribromophenol	330	8.424	8.424	0.000	93	5703	4.69	
* 87 Phenanthrene-d10	188	9.112	9.112	0.000	99	440280	40.0	
88 Phenanthrene	178	9.135	9.135	0.000	97	40029	3.16	
89 Anthracene	178	9.182	9.188	-0.006	98	8692	0.6809	
90 Carbazole	167	9.341	9.335	0.006	96	3991	0.3853	
91 Di-n-butyl phthalate	149	9.671	9.665	0.006	99	2386	0.2044	
92 Fluoranthene	202	10.318	10.312	0.006	98	42434	4.35	
94 Pyrene	202	10.553	10.547	0.006	98	34223	2.55	
\$ 96 Terphenyl-d14	244	10.706	10.700	0.006	99	50829	6.21	
97 Butyl benzyl phthalate	149	11.247	11.241	0.006	96	161256	34.5	
101 Benzo[a]anthracene	228	11.947	11.935	0.012	98	12404	1.52	
* 102 Chrysene-d12	240	11.965	11.947	0.018	99	272053	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.970	11.953	0.017	88	5886	0.9666	
103 Chrysene	228	11.994	11.988	0.006	99	12877	1.77	
105 Di-n-octyl phthalate	149	12.823	12.841	-0.018	88	6484	0.4099	
106 Benzo[b]fluoranthene	252	13.412	13.400	0.012	98	15497	1.45	
107 Benzo[k]fluoranthene	252	13.447	13.441	0.006	97	7502	0.7041	
108 Benzo[a]pyrene	252	13.876	13.865	0.011	97	10989	1.17	
* 109 Perylene-d12	264	13.964	13.941	0.023	97	353735	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.600	15.582	0.018	97	7759	1.08	
111 Dibenz(a,h)anthracene	278	15.629	15.617	0.012	91	2211	0.3028	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags

112 Benzo[g,h,i]perylene

276

16.070

16.053

0.017

96

6811

0.8729

Reagents:

SM_ISTD_00091

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35693.D

Injection Date: 24-Aug-2015 14:06:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: 460-99997-E-16-A

Lab Sample ID: 460-99997-16

Worklist Smp#: 25

Client ID: ES-16

Injection Vol: 1.0 ul

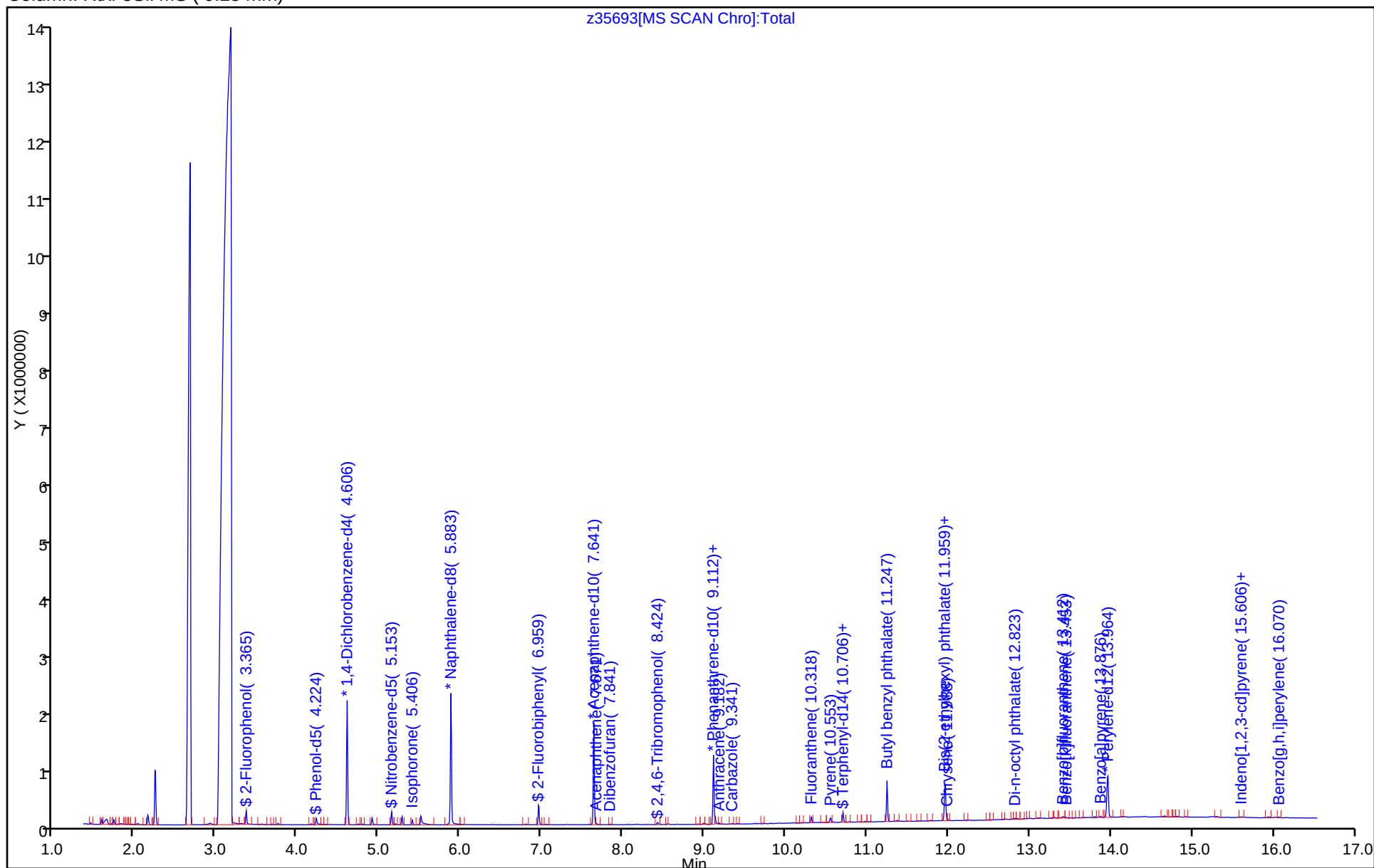
Dil. Factor: 5.0000

ALS Bottle#: 25

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35693.D

Injection Date: 24-Aug-2015 14:06:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-16-A

Lab Sample ID: 460-99997-16

Client ID: ES-16

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

25

Injection Vol: 1.0 ul

Dil. Factor:

5.0000

Method: 8270_11R_9

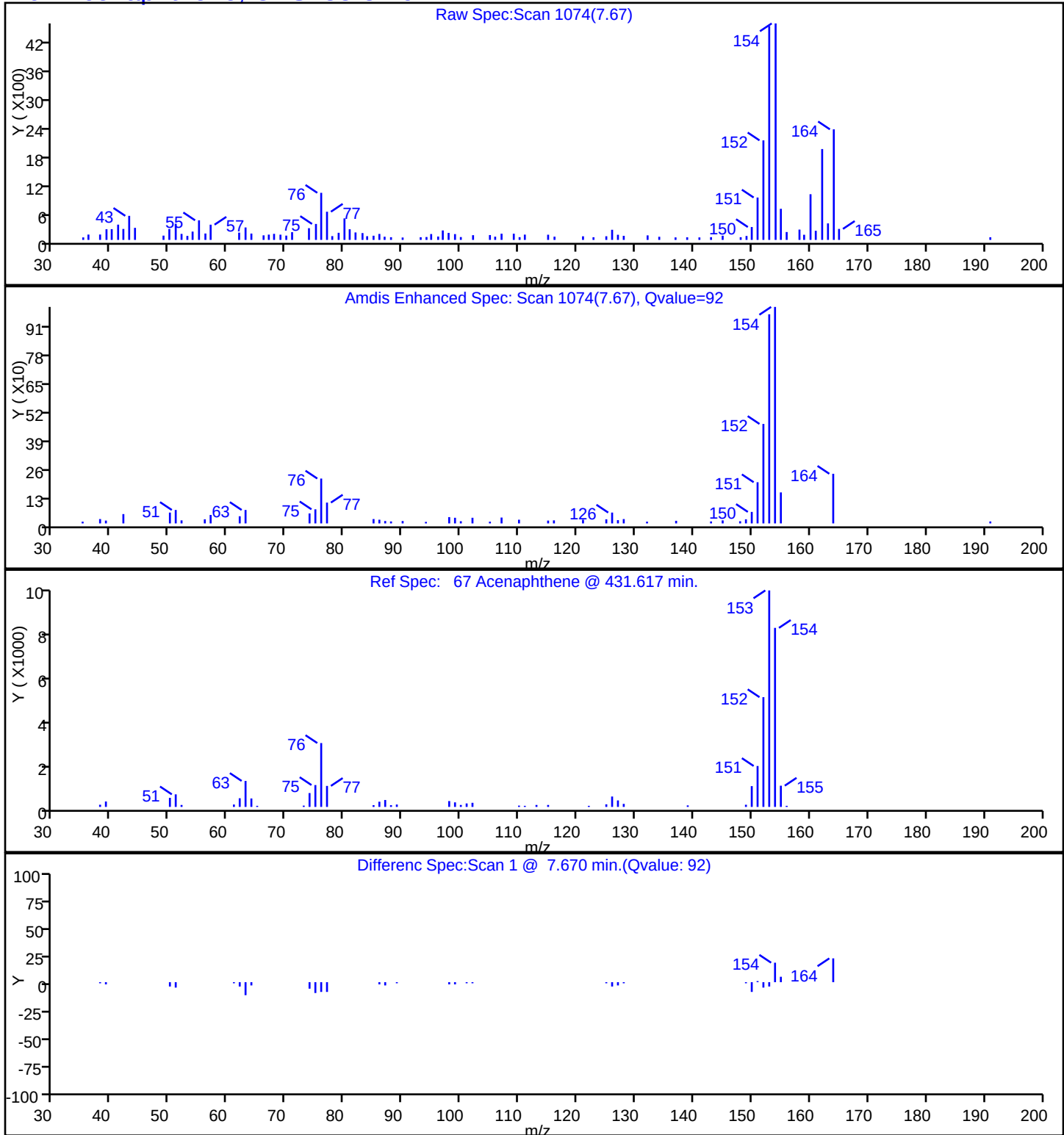
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

67 Acenaphthene, CAS: 83-32-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35693.D

Injection Date: 24-Aug-2015 14:06:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-16-A

Lab Sample ID: 460-99997-16

Client ID: ES-16

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

25

Injection Vol: 1.0 ul

Dil. Factor:

5.0000

Method: 8270_11R_9

Limit Group:

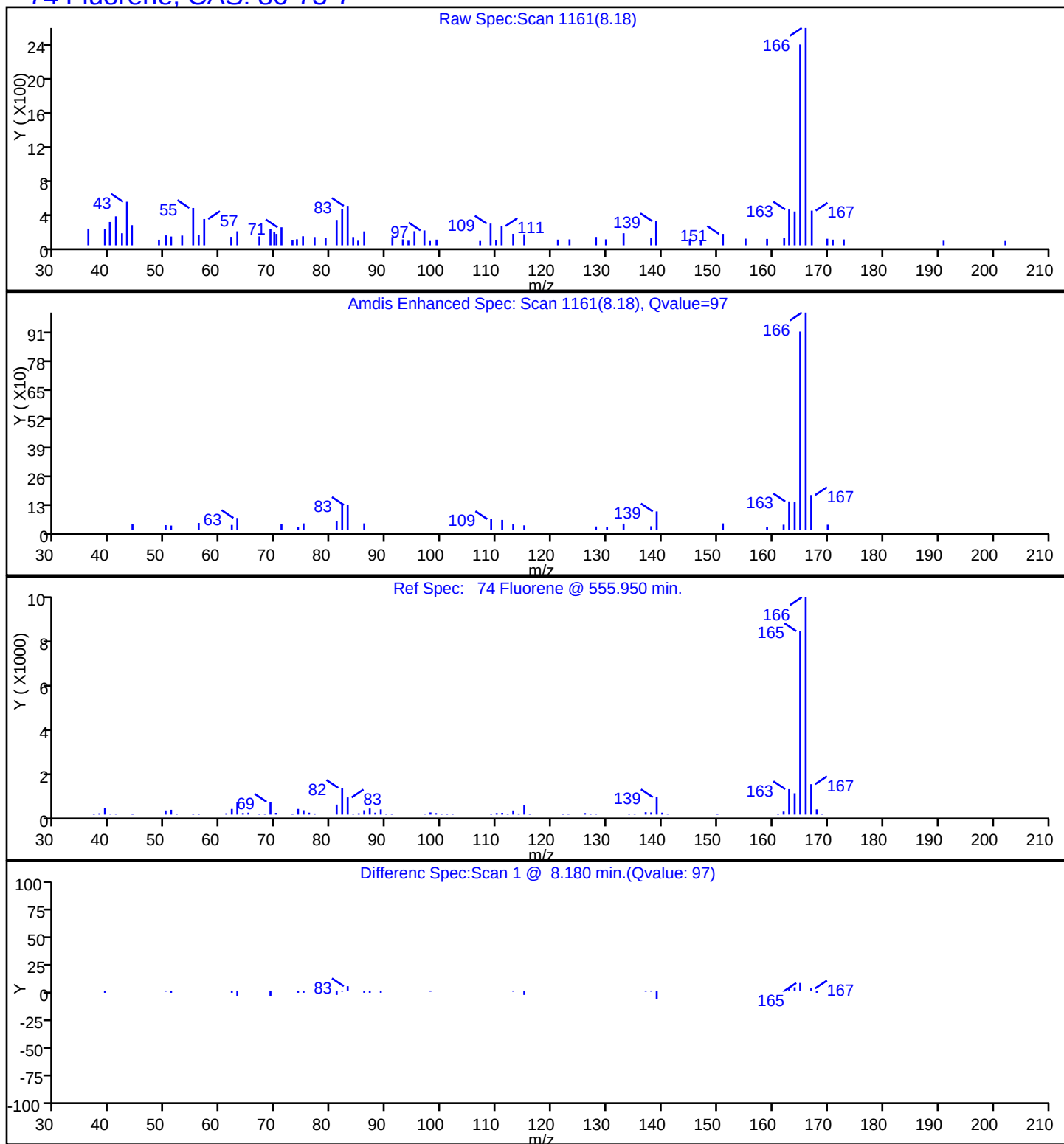
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

74 Fluorene, CAS: 86-73-7



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35693.D

Injection Date: 24-Aug-2015 14:06:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-16-A

Lab Sample ID: 460-99997-16

Client ID: ES-16

Operator ID:

ALS Bottle#: 25 Worklist Smp#: 25

Injection Vol: 1.0 ul

Dil. Factor: 5.0000

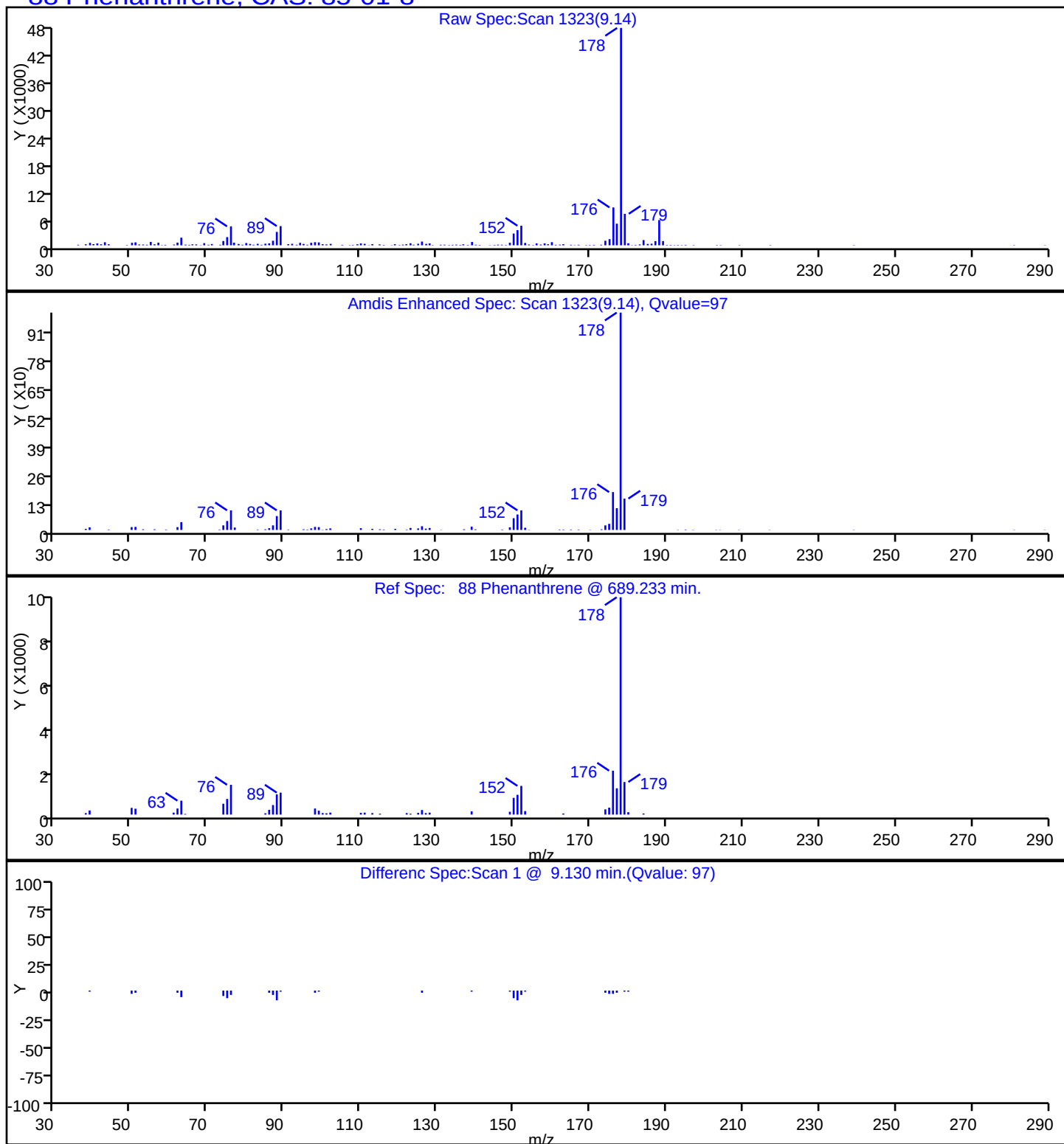
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

88 Phenanthrene, CAS: 85-01-8



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35693.D

Injection Date: 24-Aug-2015 14:06:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-16-A

Lab Sample ID: 460-99997-16

Client ID: ES-16

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

25

Injection Vol: 1.0 ul

Dil. Factor:

5.0000

Method: 8270_11R_9

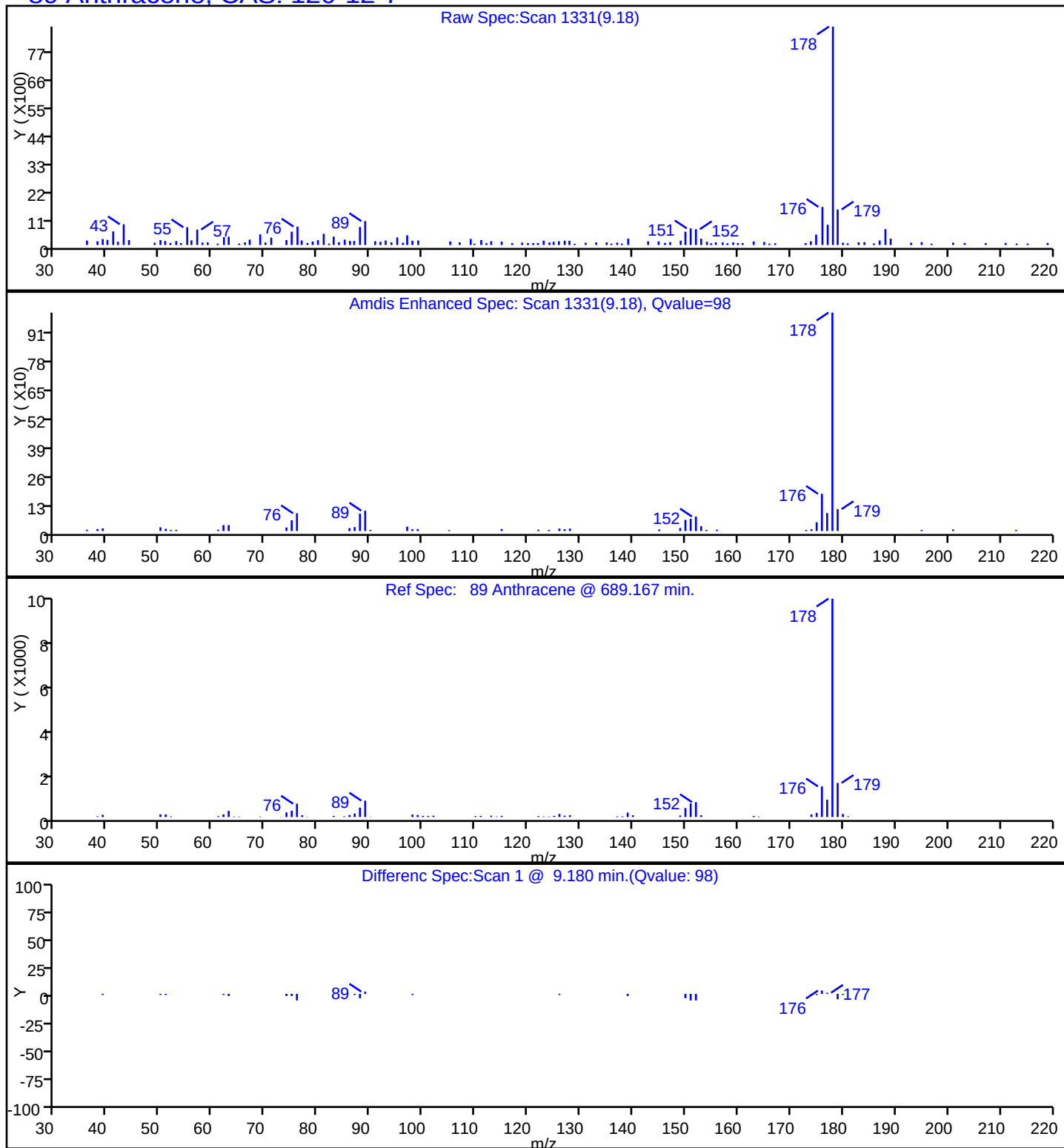
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

89 Anthracene, CAS: 120-12-7

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35693.D

Injection Date: 24-Aug-2015 14:06:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-16-A

Lab Sample ID: 460-99997-16

Client ID: ES-16

Operator ID:

ALS Bottle#: 25

Worklist Smp#: 25

Injection Vol: 1.0 ul

Dil. Factor: 5.0000

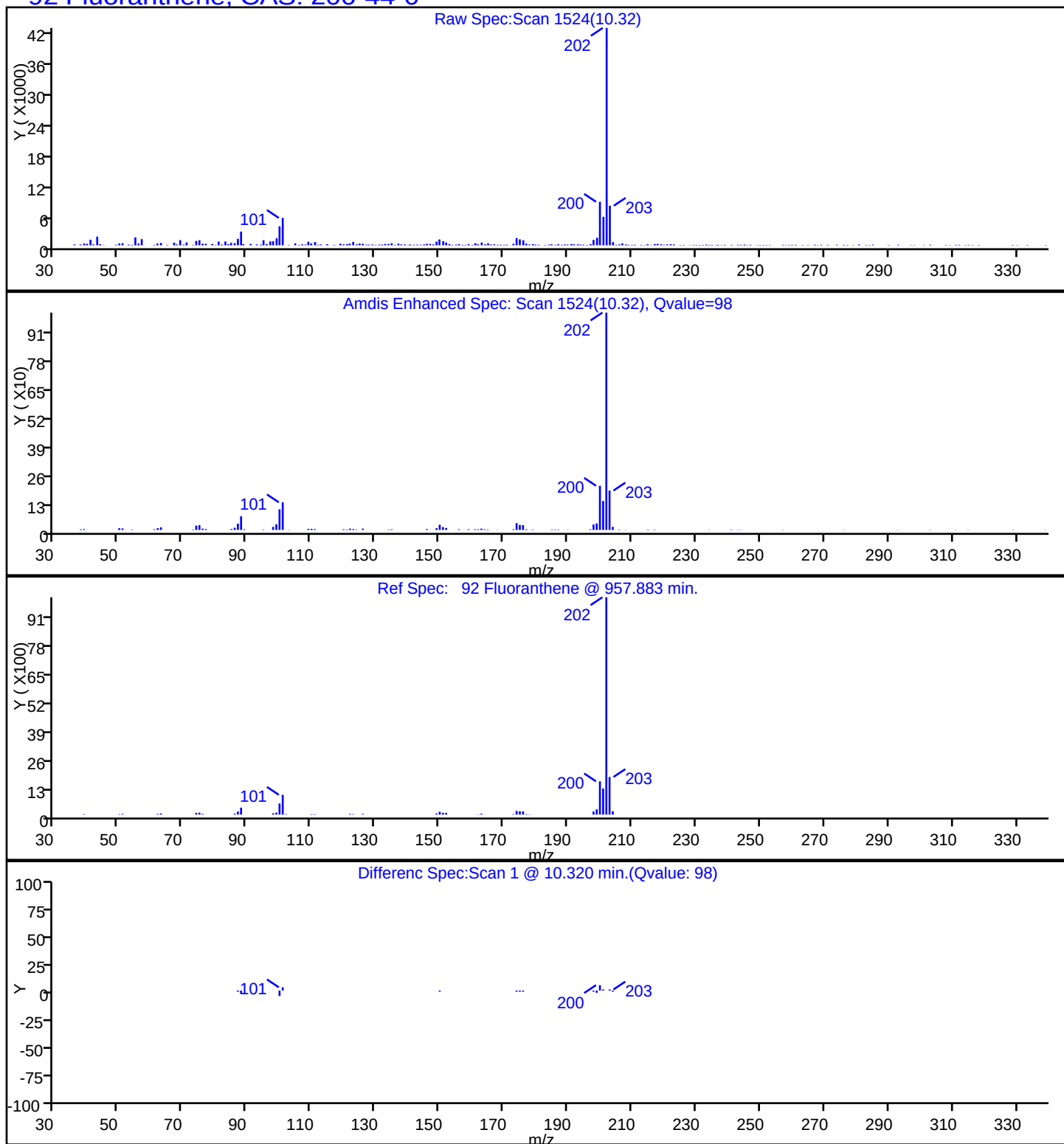
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

92 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35693.D

Injection Date: 24-Aug-2015 14:06:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-16-A

Lab Sample ID: 460-99997-16

Client ID: ES-16

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

25

Injection Vol: 1.0 ul

Dil. Factor:

5.0000

Method: 8270_11R_9

Limit Group:

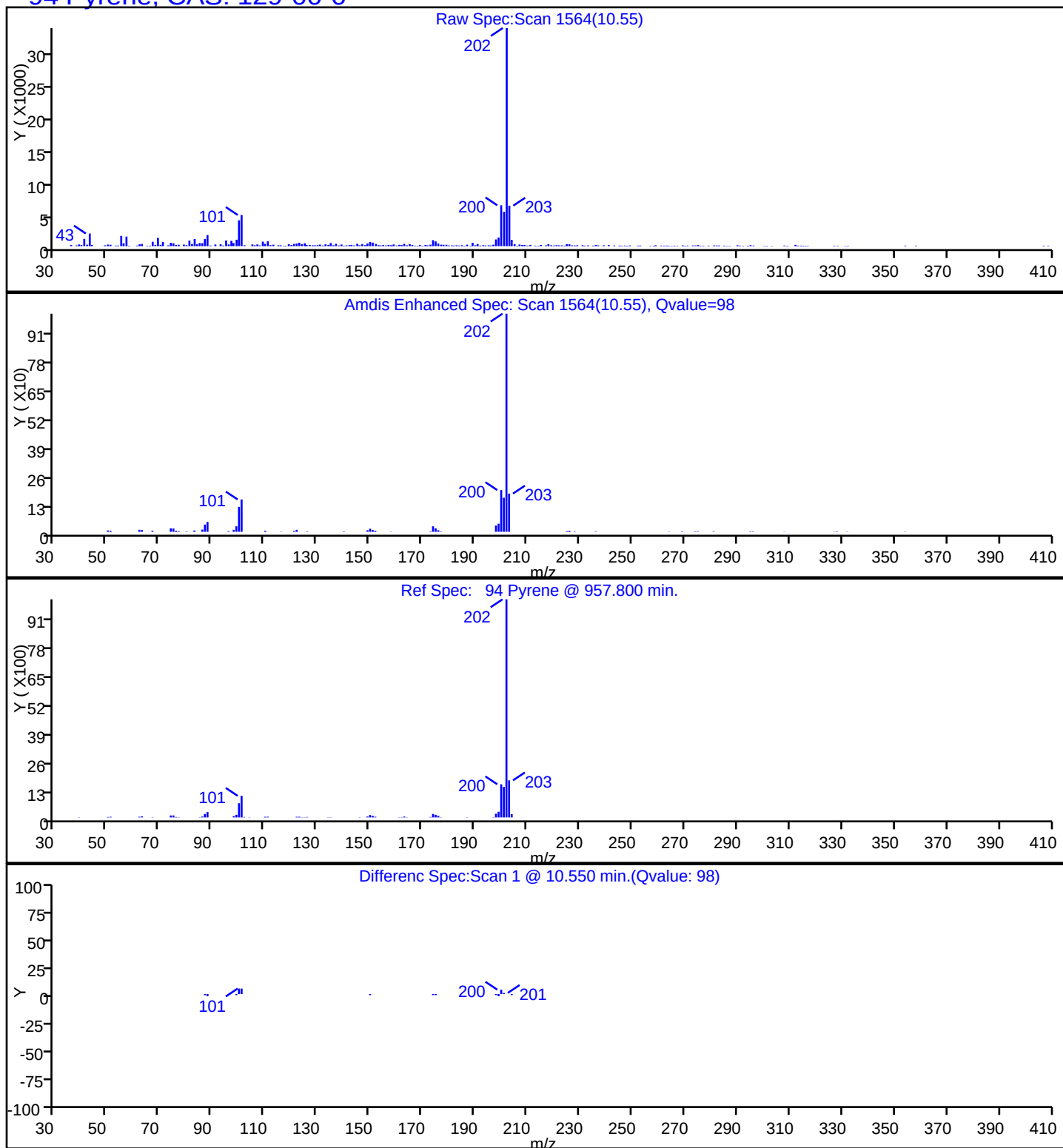
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

94 Pyrene, CAS: 129-00-0



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35693.D

Injection Date: 24-Aug-2015 14:06:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-16-A

Lab Sample ID: 460-99997-16

Client ID: ES-16

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

25

Injection Vol: 1.0 ul

Dil. Factor:

5.0000

Method: 8270_11R_9

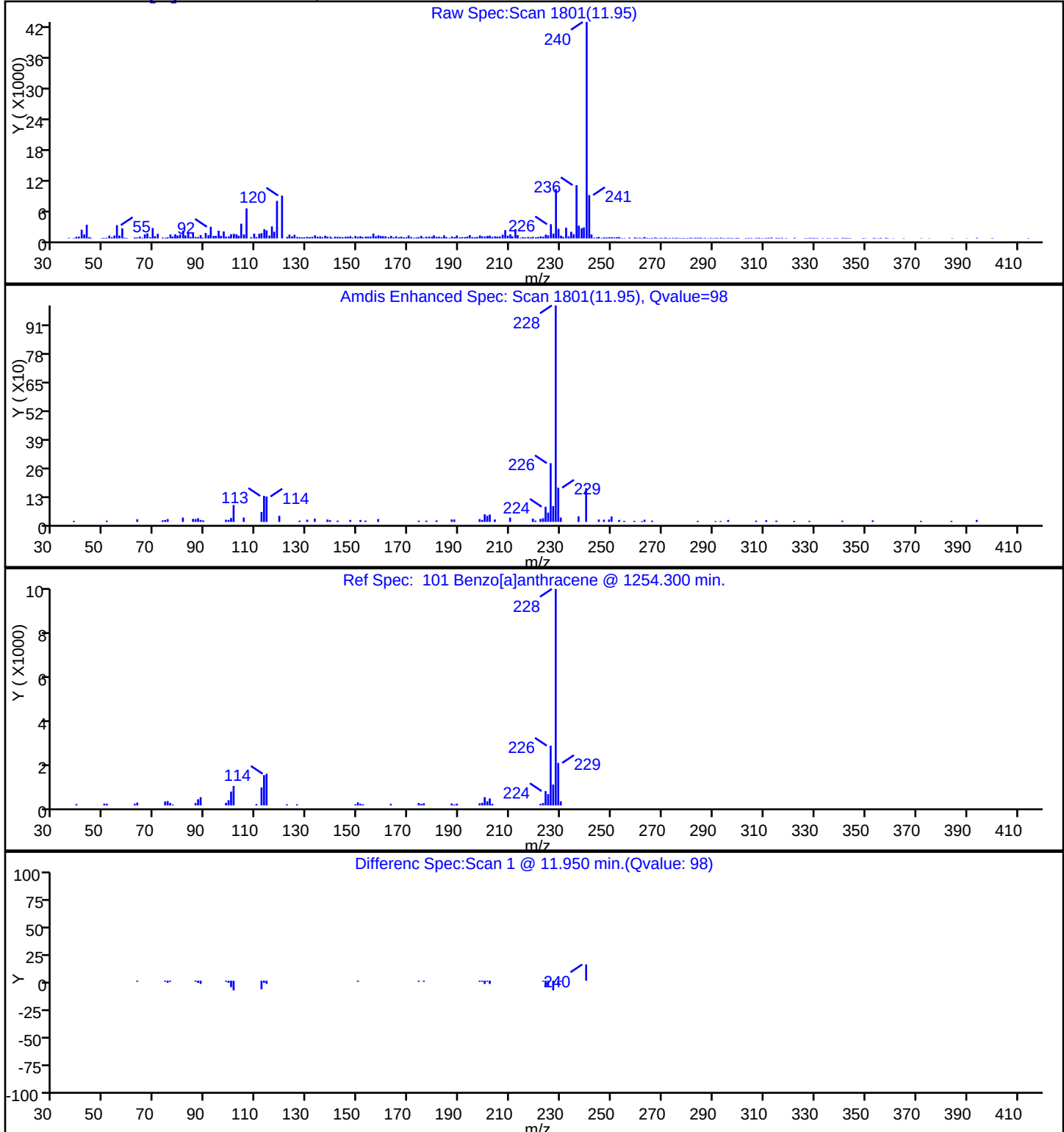
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

101 Benzo[a]anthracene, CAS: 56-55-3

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35693.D

Injection Date: 24-Aug-2015 14:06:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-16-A

Lab Sample ID: 460-99997-16

Client ID: ES-16

Operator ID:

ALS Bottle#: 25 Worklist Smp#: 25

Injection Vol: 1.0 ul

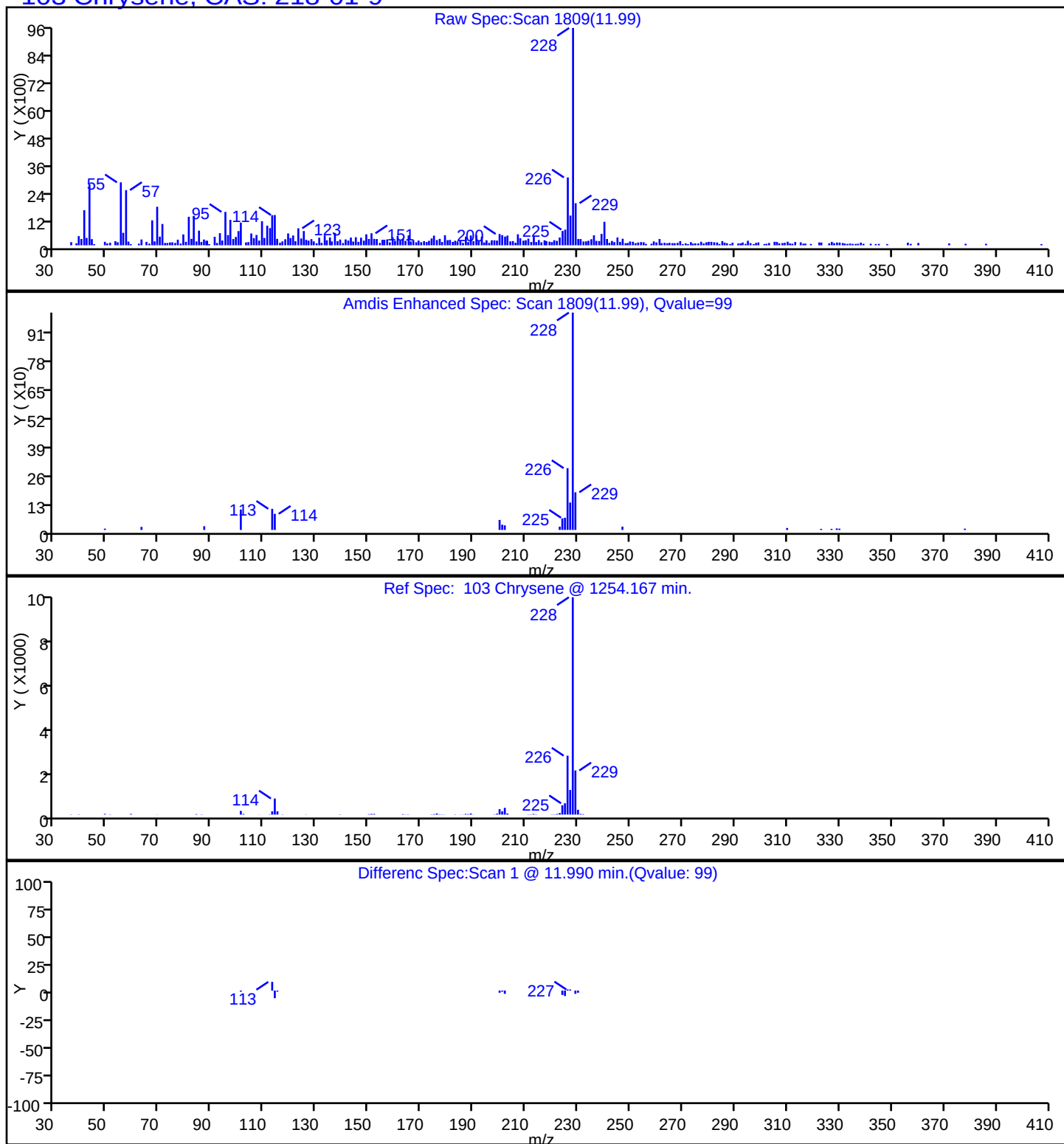
Dil. Factor: 5.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

103 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35693.D

Injection Date: 24-Aug-2015 14:06:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-16-A

Lab Sample ID: 460-99997-16

Client ID: ES-16

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

25

Injection Vol: 1.0 ul

Dil. Factor:

5.0000

Method: 8270_11R_9

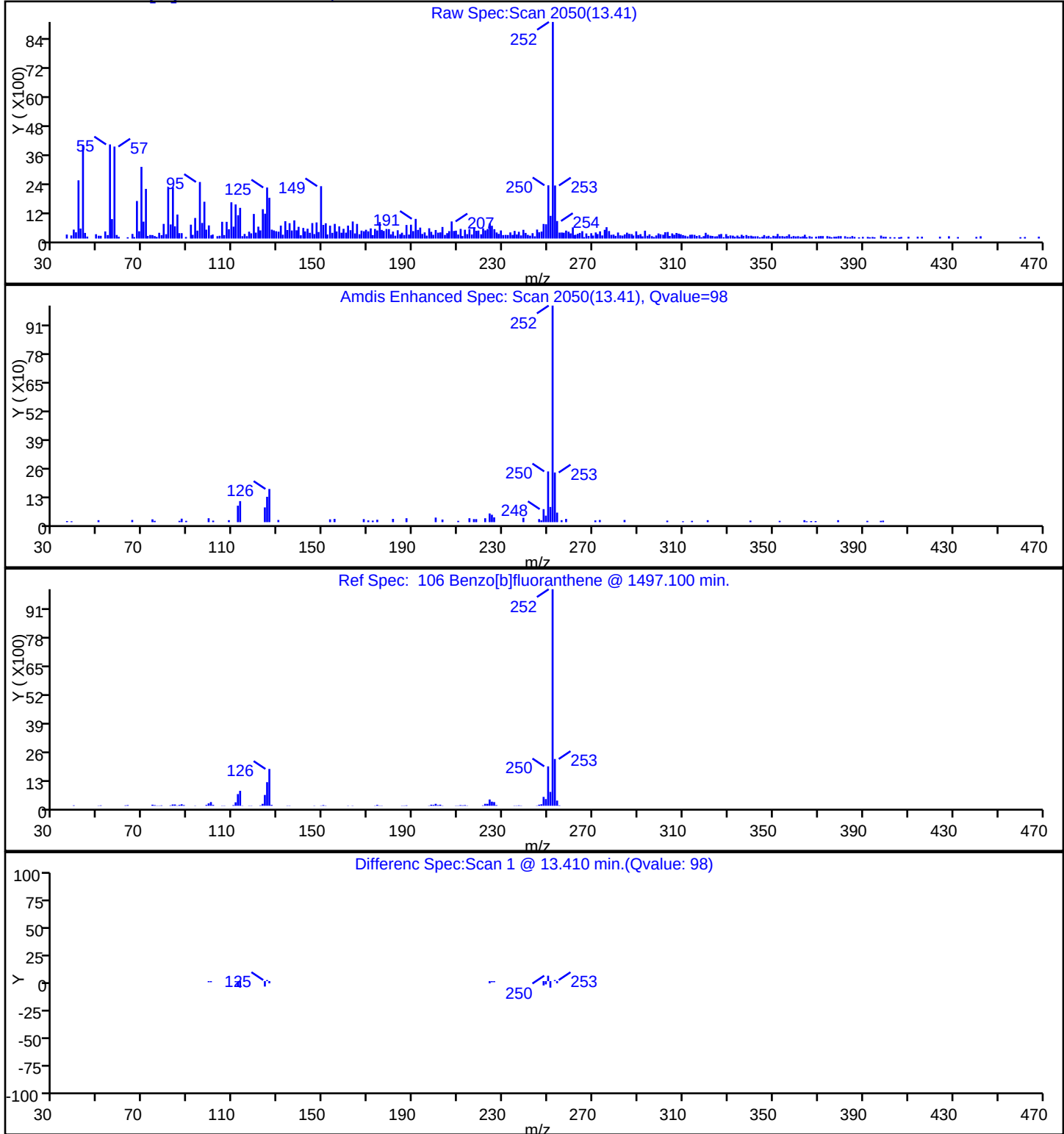
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

106 Benzo[b]fluoranthene, CAS: 205-99-2

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35693.D

Injection Date: 24-Aug-2015 14:06:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-16-A

Lab Sample ID: 460-99997-16

Client ID: ES-16

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

25

Injection Vol: 1.0 ul

Dil. Factor:

5.0000

Method: 8270_11R_9

Limit Group:

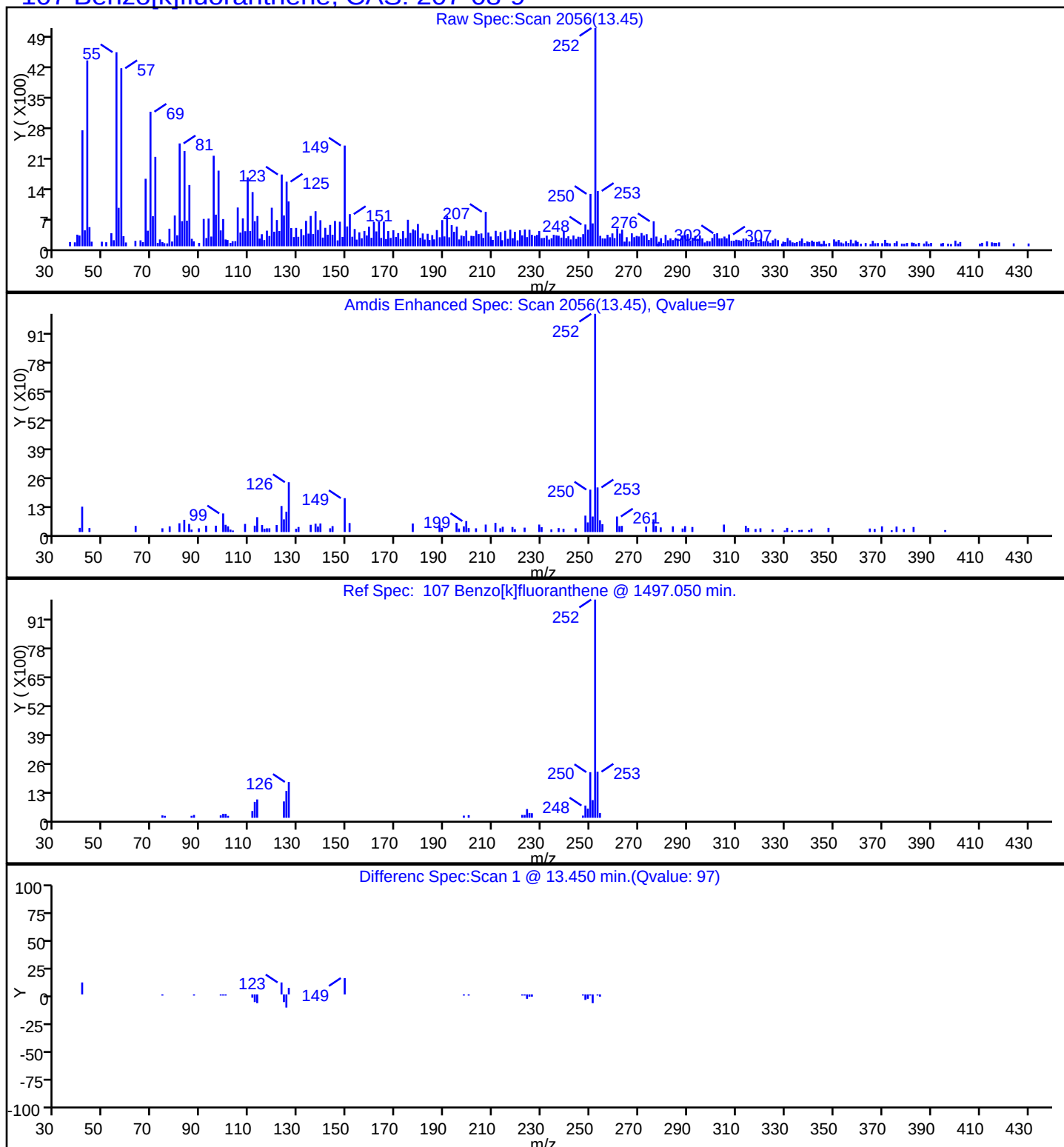
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

107 Benzo[k]fluoranthene, CAS: 207-08-9



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35693.D

Injection Date: 24-Aug-2015 14:06:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-16-A

Lab Sample ID: 460-99997-16

Client ID: ES-16

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

25

Injection Vol: 1.0 ul

Dil. Factor:

5.0000

Method: 8270_11R_9

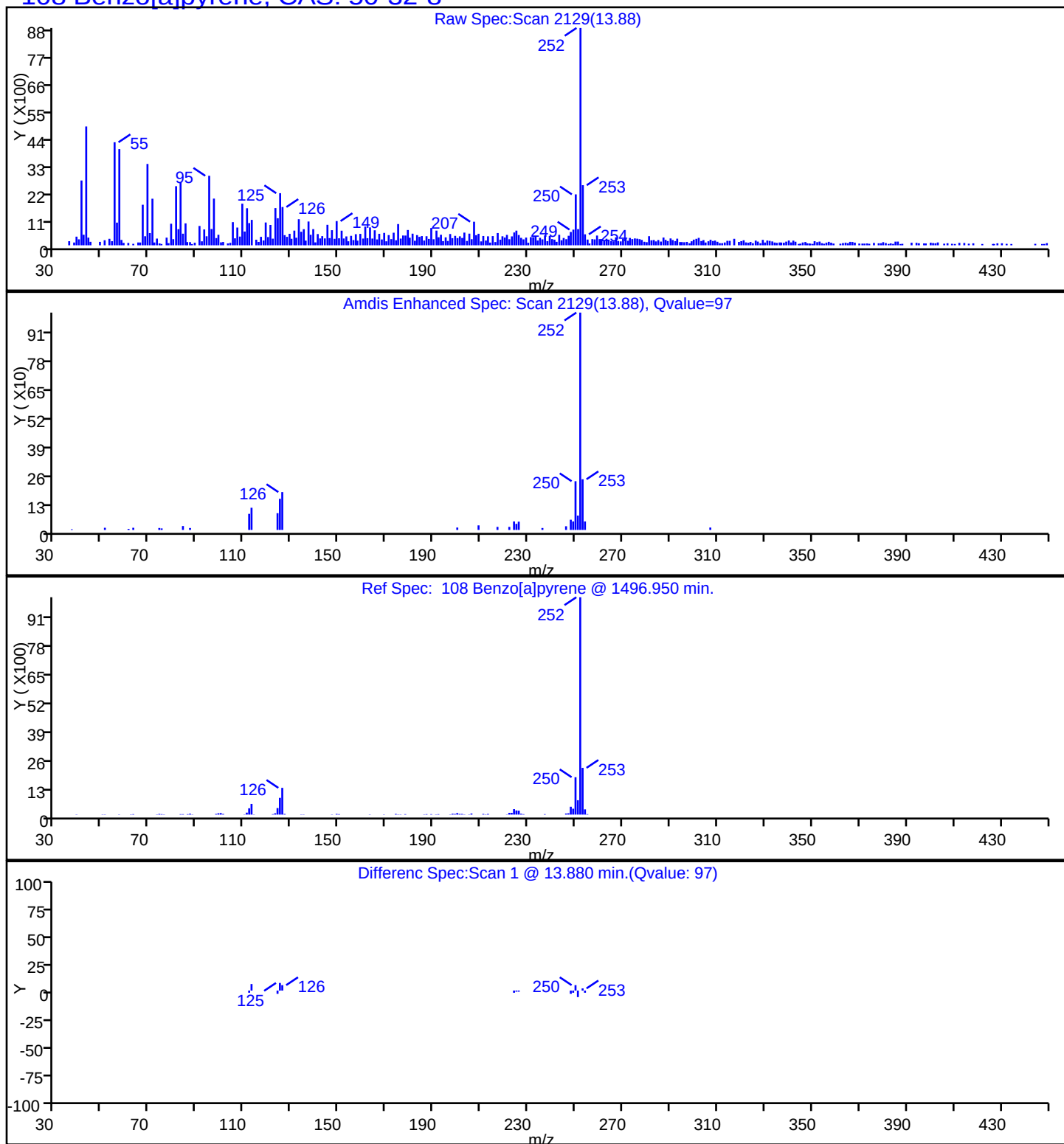
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

108 Benzo[a]pyrene, CAS: 50-32-8

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35693.D

Injection Date: 24-Aug-2015 14:06:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-16-A

Lab Sample ID: 460-99997-16

Client ID: ES-16

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

25

Injection Vol: 1.0 ul

Dil. Factor:

5.0000

Method: 8270_11R_9

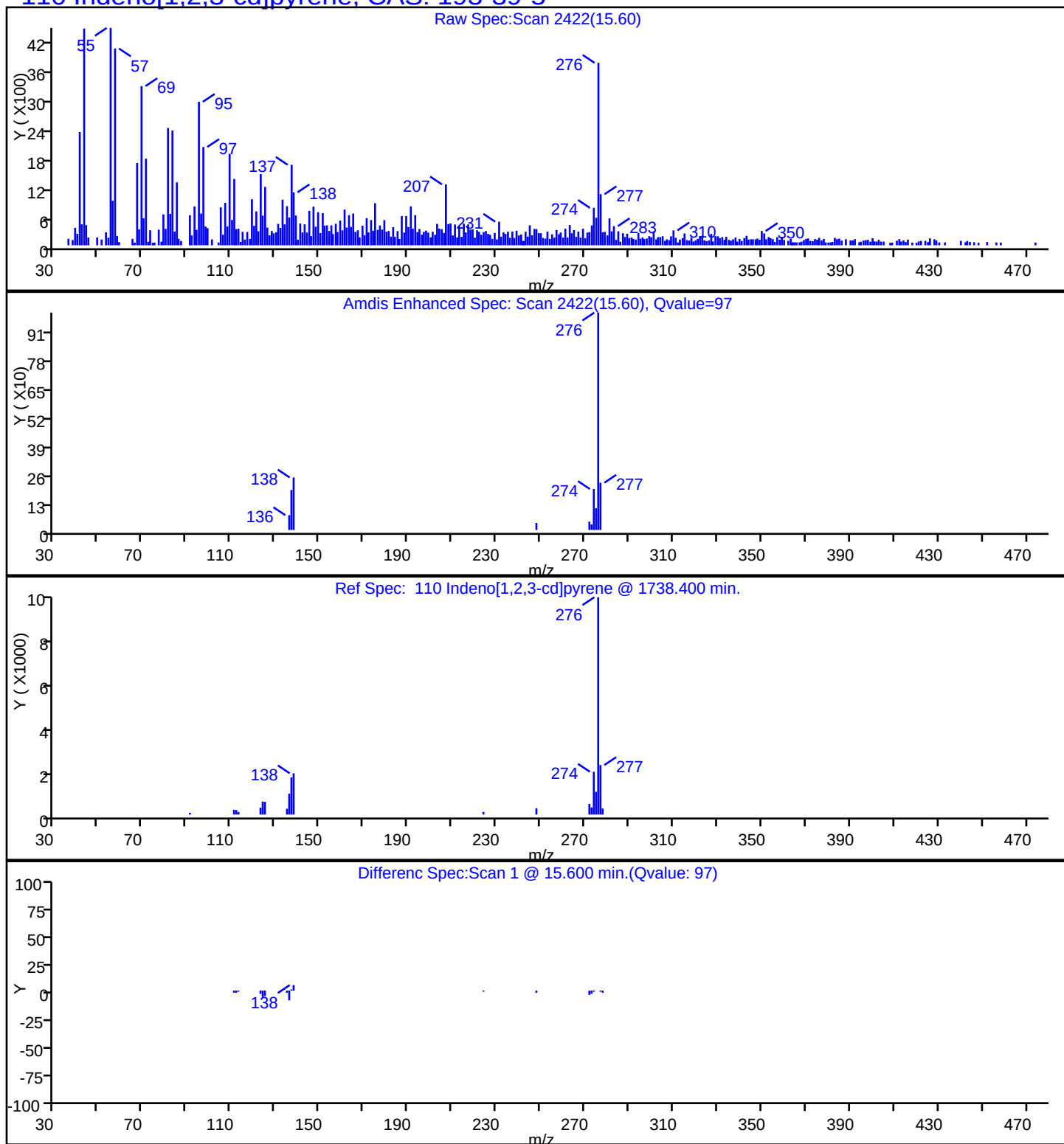
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35693.D

Injection Date: 24-Aug-2015 14:06:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-16-A

Lab Sample ID: 460-99997-16

Client ID: ES-16

Operator ID:

ALS Bottle#: 25 Worklist Smp#: 25

Injection Vol: 1.0 ul

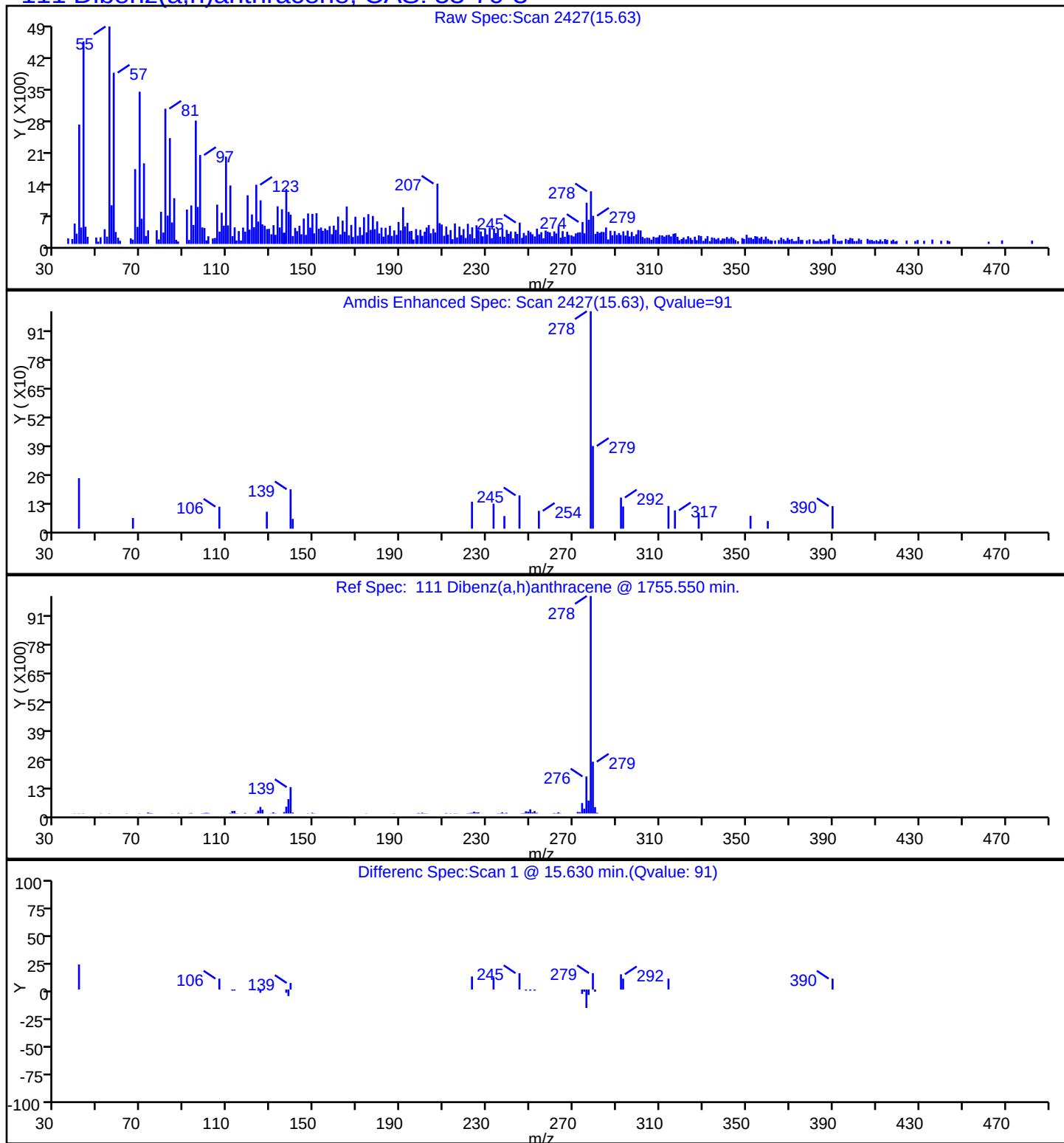
Dil. Factor: 5.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

111 Dibenz(a,h)anthracene, CAS: 53-70-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35693.D

Injection Date: 24-Aug-2015 14:06:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-16-A

Lab Sample ID: 460-99997-16

Client ID: ES-16

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

25

Injection Vol: 1.0 ul

Dil. Factor:

5.0000

Method: 8270_11R_9

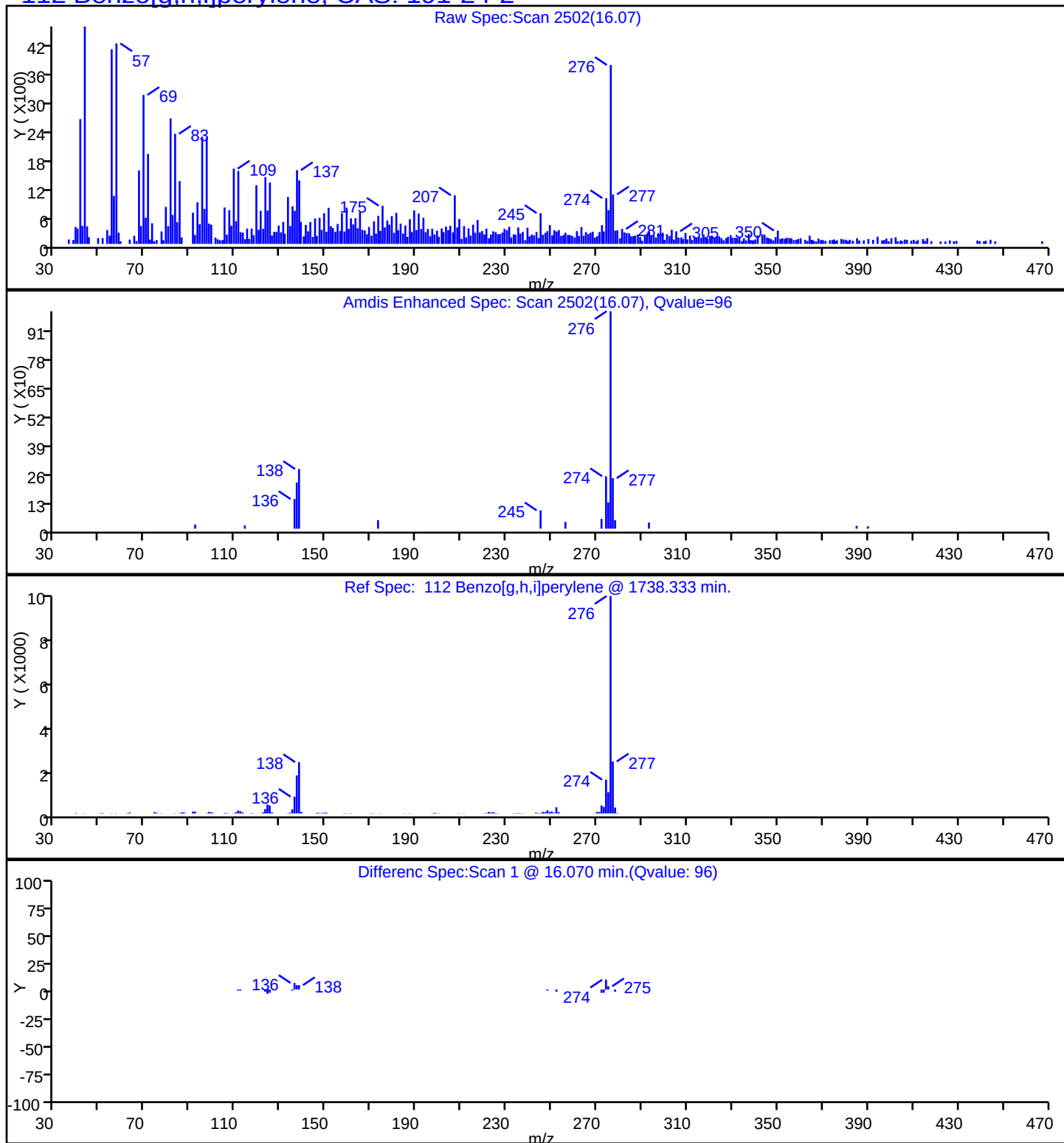
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

112 Benzo[g,h,i]perylene, CAS: 191-24-2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-17</u>	Lab Sample ID: <u>460-99997-17</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z35703.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>08/20/2015 13:53</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>08/21/2015 21:30</u>
Sample wt/vol: <u>15.0212(g)</u>	Date Analyzed: <u>08/25/2015 07:45</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>17.7</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318575</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.075	J	0.80	0.020
91-57-6	2-Methylnaphthalene	0.051	J	0.80	0.018
208-96-8	Acenaphthylene	0.021	U	0.80	0.021
83-32-9	Acenaphthene	0.27	J	0.80	0.019
86-73-7	Fluorene	0.15	J	0.80	0.017
85-01-8	Phenanthrene	2.7		0.80	0.021
120-12-7	Anthracene	0.54	J	0.80	0.076
206-44-0	Fluoranthene	2.8		0.80	0.024
129-00-0	Pyrene	2.5		0.80	0.036
56-55-3	Benzo[a]anthracene	1.1		0.080	0.067
218-01-9	Chrysene	1.2		0.80	0.022
205-99-2	Benzo[b]fluoranthene	1.2		0.080	0.031
207-08-9	Benzo[k]fluoranthene	0.45		0.080	0.035
50-32-8	Benzo[a]pyrene	0.88		0.080	0.024
193-39-5	Indeno[1,2,3-cd]pyrene	0.89		0.080	0.053
53-70-3	Dibenz(a,h)anthracene	0.20		0.080	0.042
191-24-2	Benzo[g,h,i]perylene	0.81		0.80	0.046

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	62		30-130
1718-51-0	Terphenyl-d14	72		30-130
321-60-8	2-Fluorobiphenyl	65		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150825-31068.b\z35703.D
 Lims ID: 460-99997-E-17-A Lab Sample ID: 460-99997-17
 Client ID: ES-17
 Sample Type: Client
 Inject. Date: 25-Aug-2015 07:45:30 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 2.0000
 Sample Info: 460-0031068-010
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150825-31068.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 25-Aug-2015 13:06:33 Calib Date: 19-Aug-2015 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35546.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK037

First Level Reviewer: szczecha

Date: 25-Aug-2015 13:14:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.453	3.300	0.153	95	197123	14.2	
\$ 6 Phenol-d5	99	4.230	4.224	0.006	86	237336	14.6	
* 14 1,4-Dichlorobenzene-d4	152	4.600	4.583	0.017	95	431373	40.0	
22 Acetophenone	105	4.988	4.994	-0.006	97	4062	0.2500	
\$ 26 Nitrobenzene-d5	82	5.141	5.147	-0.006	91	211499	15.5	
31 Isophorone	82	5.394	5.412	-0.018	98	71723	3.23	
* 38 Naphthalene-d8	136	5.865	5.865	0.000	99	1545682	40.0	
39 Naphthalene	128	5.888	5.894	-0.006	98	17801	0.4650	
44 2-Methylnaphthalene	142	6.577	6.583	-0.006	85	7866	0.3122	
\$ 51 2-Fluorobiphenyl	172	6.941	6.947	-0.006	98	418501	16.3	
58 Dimethyl phthalate	163	7.335	7.359	-0.024	99	9759	0.5083	
* 65 Acenaphthene-d10	164	7.624	7.624	0.000	92	695891	40.0	
67 Acenaphthene	154	7.647	7.659	-0.012	93	35196	1.69	
71 Dibenzofuran	168	7.818	7.830	-0.012	96	37775	1.39	
74 Fluorene	166	8.159	8.171	-0.012	99	18776	0.9027	
\$ 80 2,4,6-Tribromophenol	330	8.400	8.412	-0.012	94	31467	14.6	
* 87 Phenanthrene-d10	188	9.094	9.094	0.000	99	758294	40.0	
88 Phenanthrene	178	9.112	9.118	-0.006	98	365482	16.7	
89 Anthracene	178	9.165	9.171	-0.006	98	73336	3.34	
90 Carbazole	167	9.318	9.324	-0.006	95	31495	1.77	
91 Di-n-butyl phthalate	149	9.653	9.653	0.000	100	51482	2.56	
92 Fluoranthene	202	10.294	10.300	-0.006	98	291516	17.3	
94 Pyrene	202	10.529	10.535	-0.006	98	226418	15.6	
\$ 96 Terphenyl-d14	244	10.682	10.688	-0.006	99	159378	18.0	
97 Butyl benzyl phthalate	149	11.247	11.223	0.024	96	3697088	731.7	E
101 Benzo[a]anthracene	228	11.917	11.923	-0.006	99	61511	6.99	
* 102 Chrysene-d12	240	11.935	11.935	0.000	99	294112	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.941	11.947	-0.006	91	36309	5.52	
103 Chrysene	228	11.964	11.970	-0.006	99	57134	7.26	
105 Di-n-octyl phthalate	149	12.823	12.835	-0.012	85	53917	4.47	
106 Benzo[b]fluoranthene	252	13.382	13.388	-0.006	99	60155	7.40	
107 Benzo[k]fluoranthene	252	13.411	13.423	-0.012	97	22364	2.75	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
108 Benzo[a]pyrene	252	13.841	13.847	-0.006	98	38991	5.43	
* 109 Perylene-d12	264	13.923	13.923	0.000	97	269676	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.552	15.564	-0.012	98	30243	5.51	
111 Dibenz(a,h)anthracene	278	15.588	15.600	-0.012	93	6913	1.24	
112 Benzo[g,h,i]perylene	276	16.011	16.035	-0.024	96	29690	4.99	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

SM_ISTD_00091

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150825-31068.b\\z35703.D

Injection Date: 25-Aug-2015 07:45:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: 460-99997-E-17-A

Lab Sample ID: 460-99997-17

Worklist Smp#: 10

Client ID: ES-17

Injection Vol: 1.0 ul

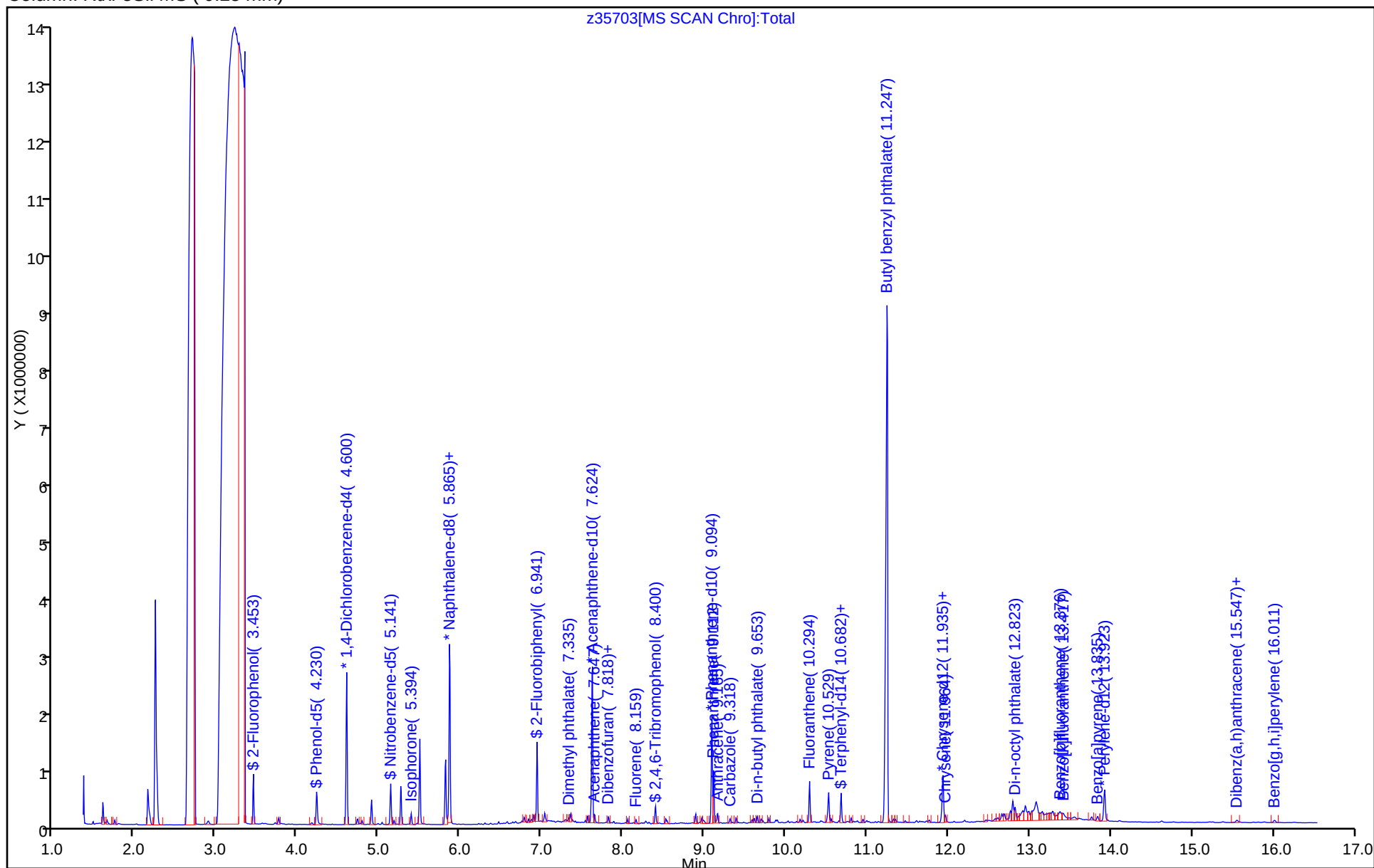
Dil. Factor: 2.0000

ALS Bottle#: 10

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150825-31068.b\\z35703.D

Injection Date: 25-Aug-2015 07:45:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-17-A

Lab Sample ID: 460-99997-17

Client ID: ES-17

Operator ID:

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

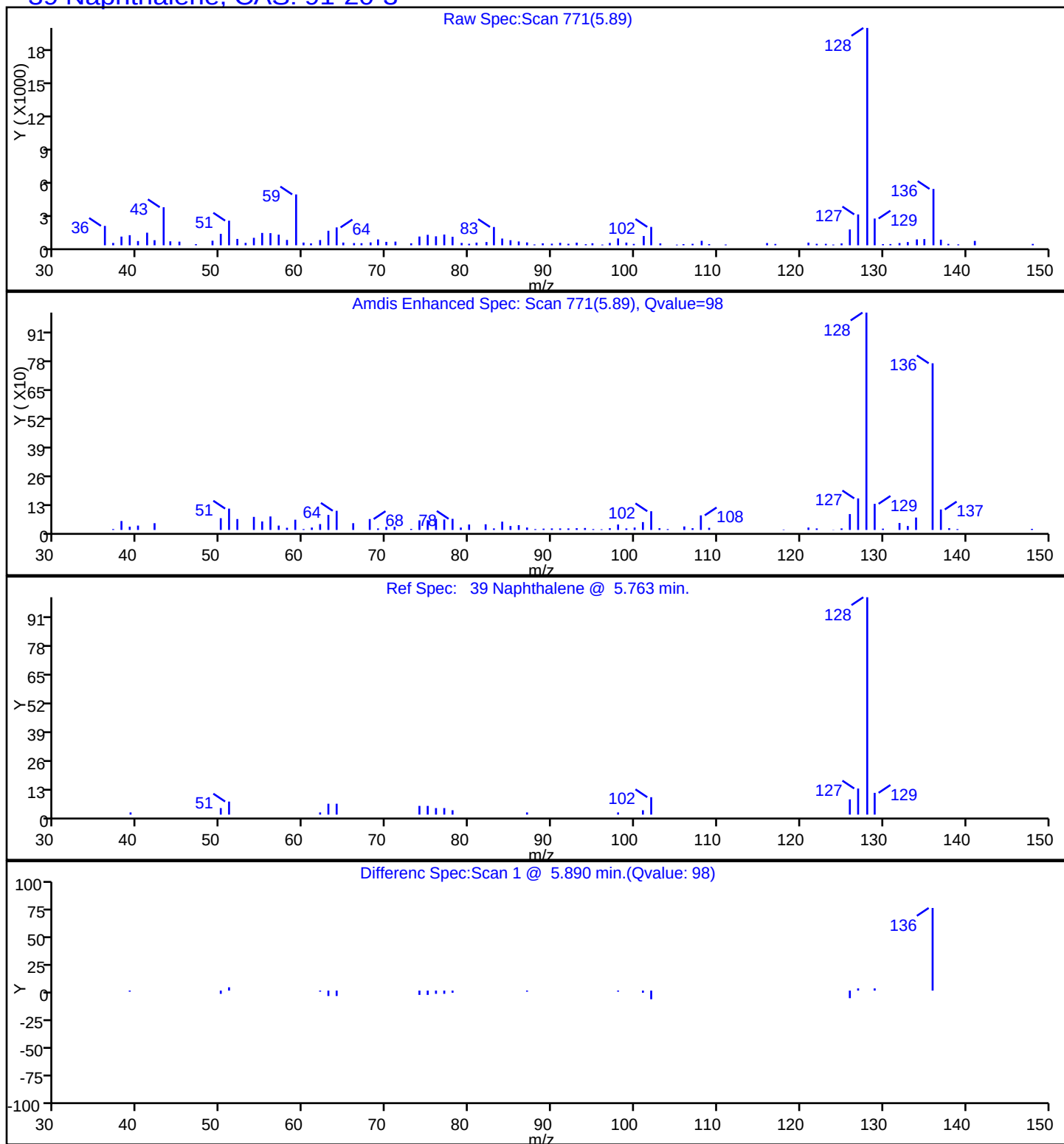
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

39 Naphthalene, CAS: 91-20-3

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150825-31068.b\\z35703.D

Injection Date: 25-Aug-2015 07:45:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-17-A

Lab Sample ID: 460-99997-17

Client ID: ES-17

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_11R_9

Limit Group:

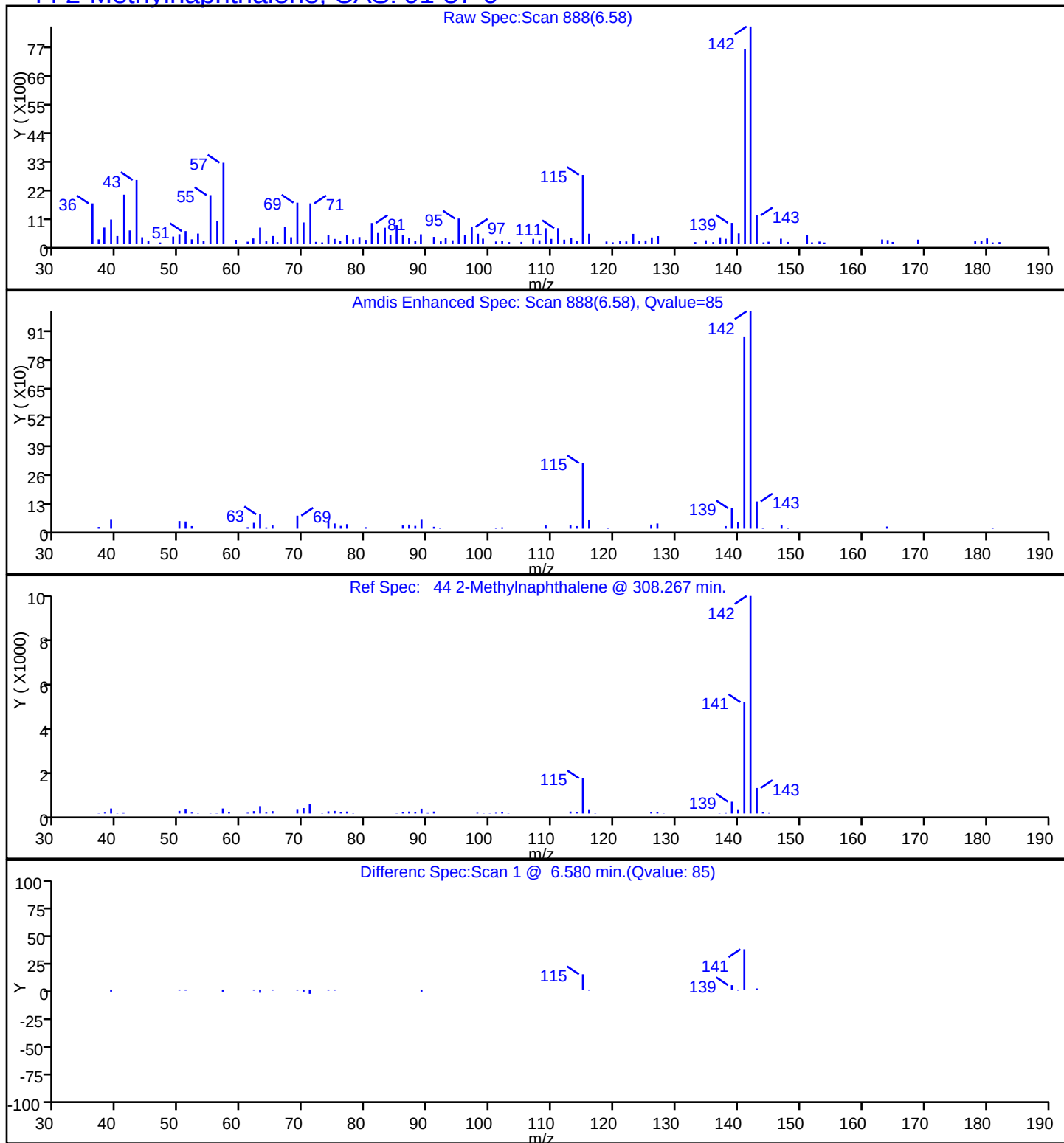
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

44 2-Methylnaphthalene, CAS: 91-57-6



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150825-31068.b\\z35703.D

Injection Date: 25-Aug-2015 07:45:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-17-A

Lab Sample ID: 460-99997-17

Client ID: ES-17

Operator ID:

ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 1.0 ul

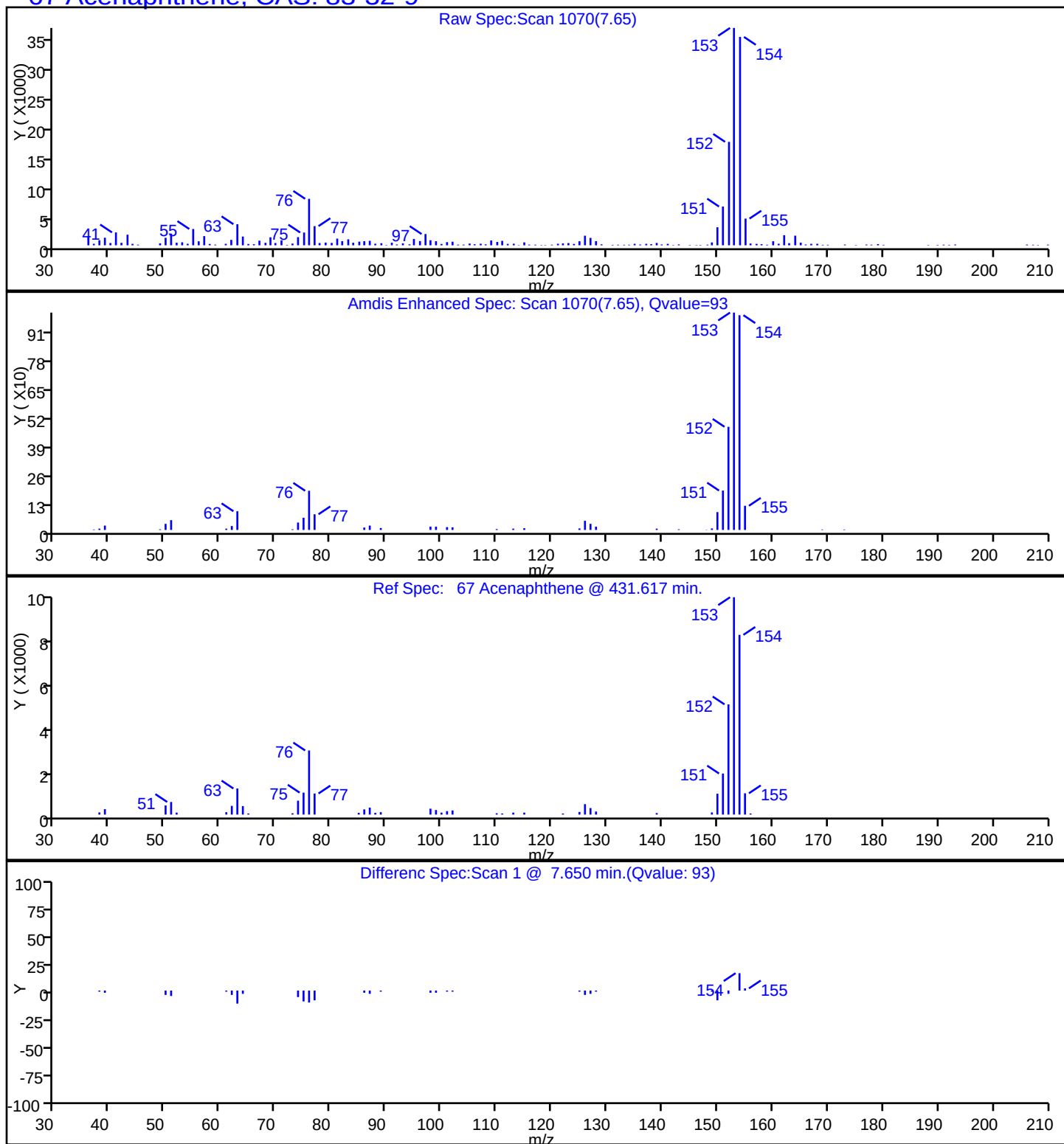
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

67 Acenaphthene, CAS: 83-32-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150825-31068.b\\z35703.D

Injection Date: 25-Aug-2015 07:45:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-17-A

Lab Sample ID: 460-99997-17

Client ID: ES-17

Operator ID:

ALS Bottle#:

Worklist Smp#: 10

Injection Vol: 1.0 ul

Dil. Factor: 2.0000

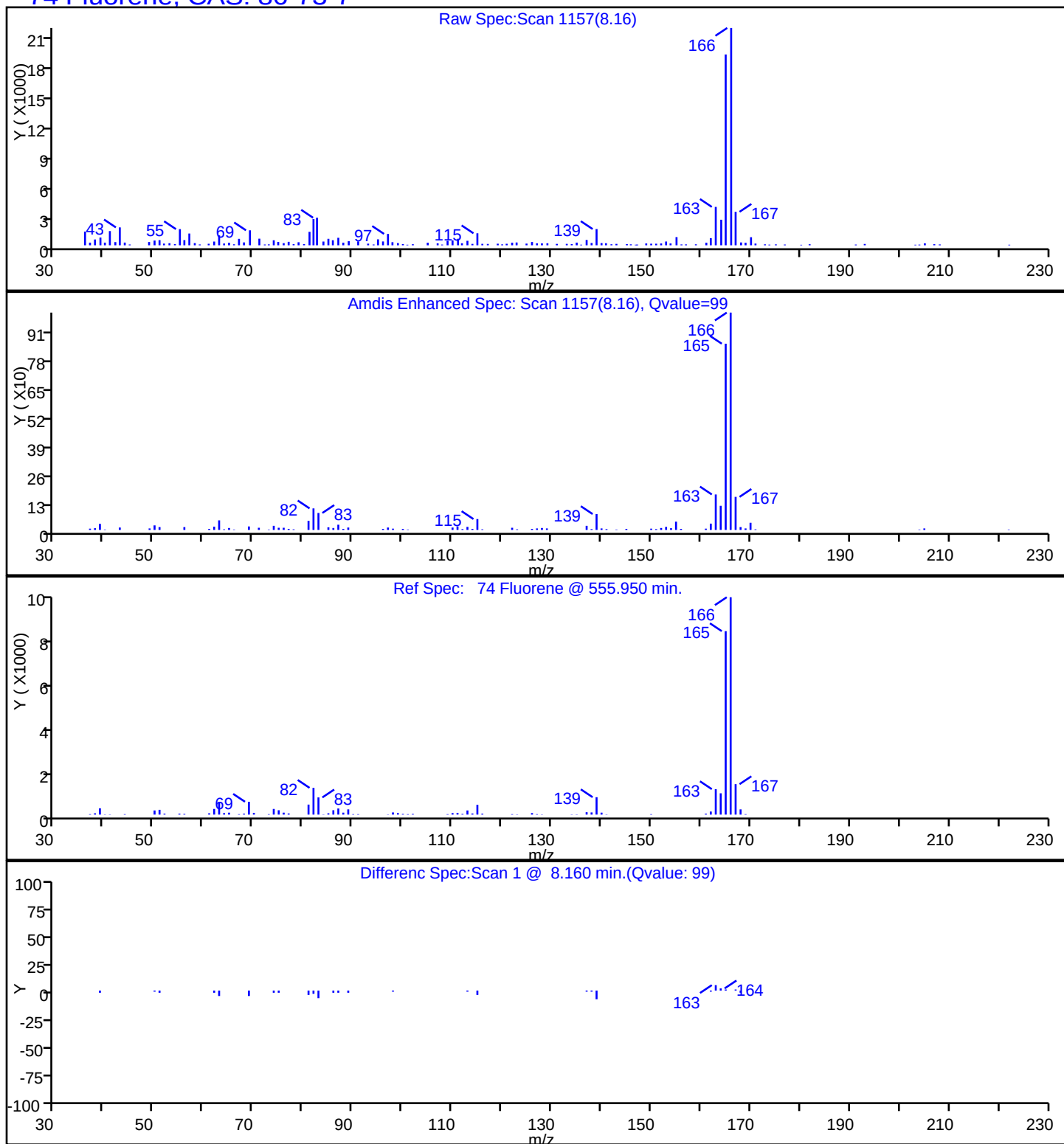
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

74 Fluorene, CAS: 86-73-7



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150825-31068.b\z35703.D

Injection Date: 25-Aug-2015 07:45:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-17-A

Lab Sample ID: 460-99997-17

Client ID: ES-17

Operator ID:

ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 1.0 ul

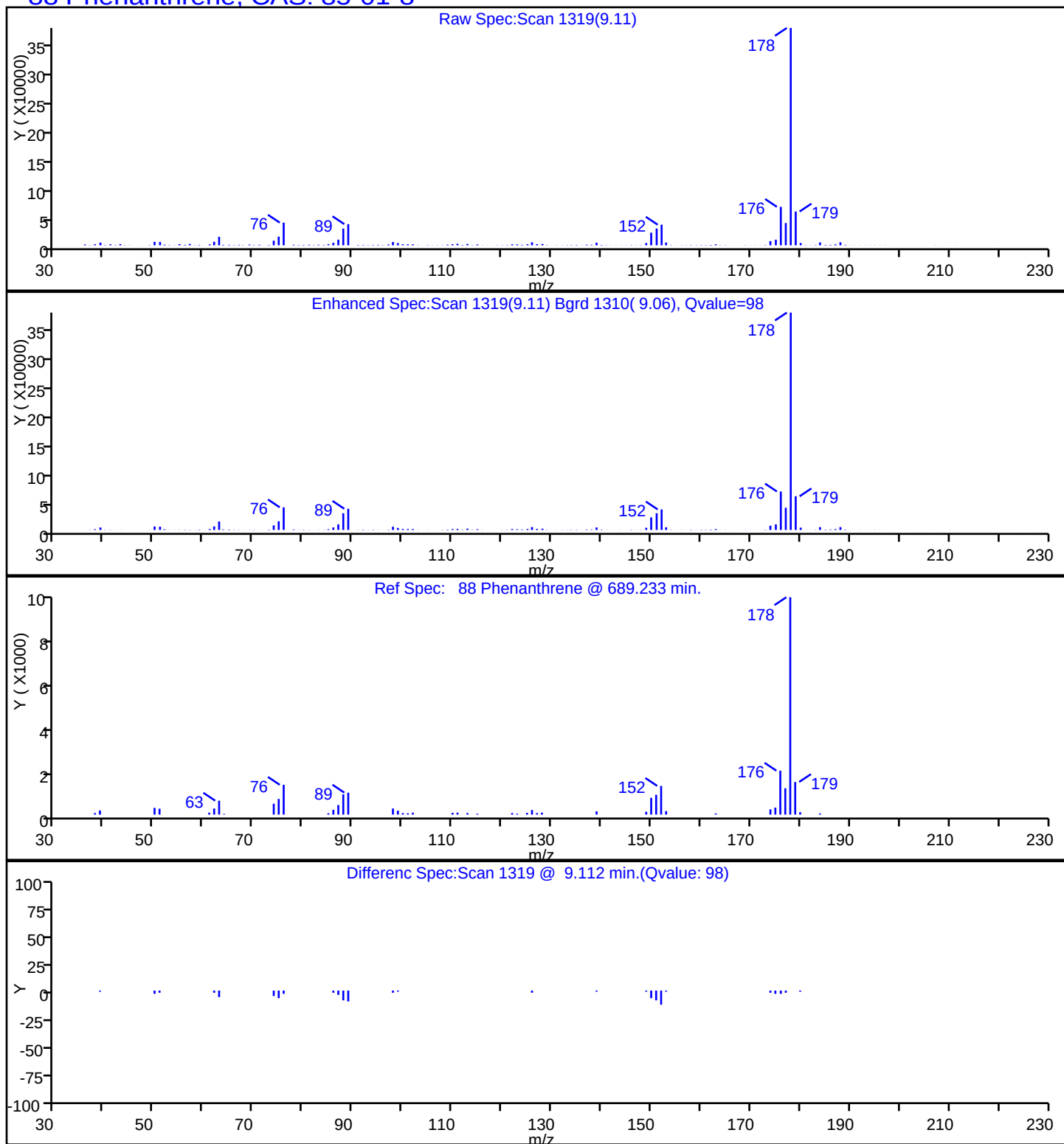
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

88 Phenanthrene, CAS: 85-01-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150825-31068.b\z35703.D

Injection Date: 25-Aug-2015 07:45:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-17-A

Lab Sample ID: 460-99997-17

Client ID: ES-17

Operator ID:

ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 1.0 ul

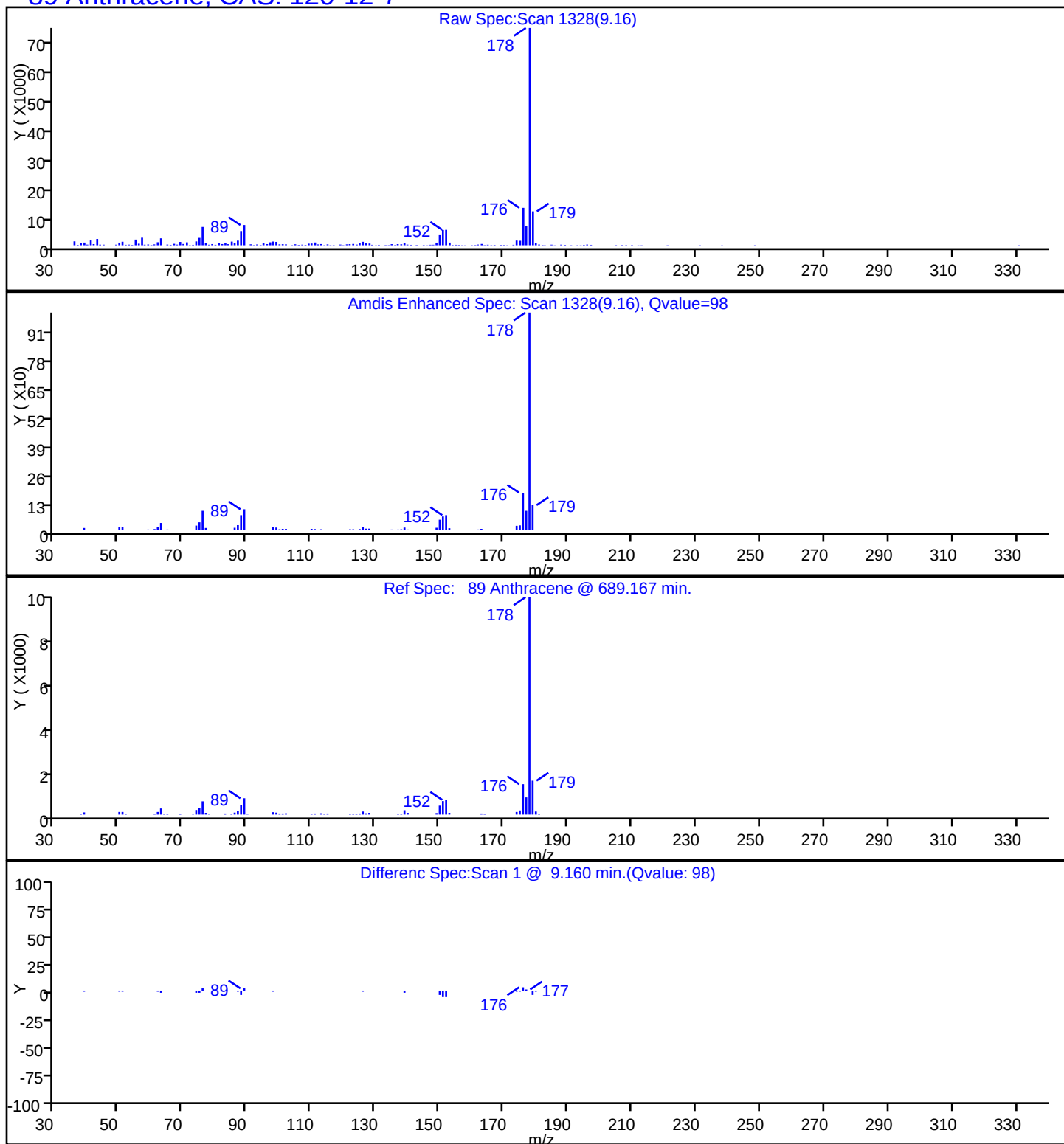
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

89 Anthracene, CAS: 120-12-7

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150825-31068.b\\z35703.D

Injection Date: 25-Aug-2015 07:45:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-17-A

Lab Sample ID: 460-99997-17

Client ID: ES-17

Operator ID:

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

Dil. Factor: 2.0000

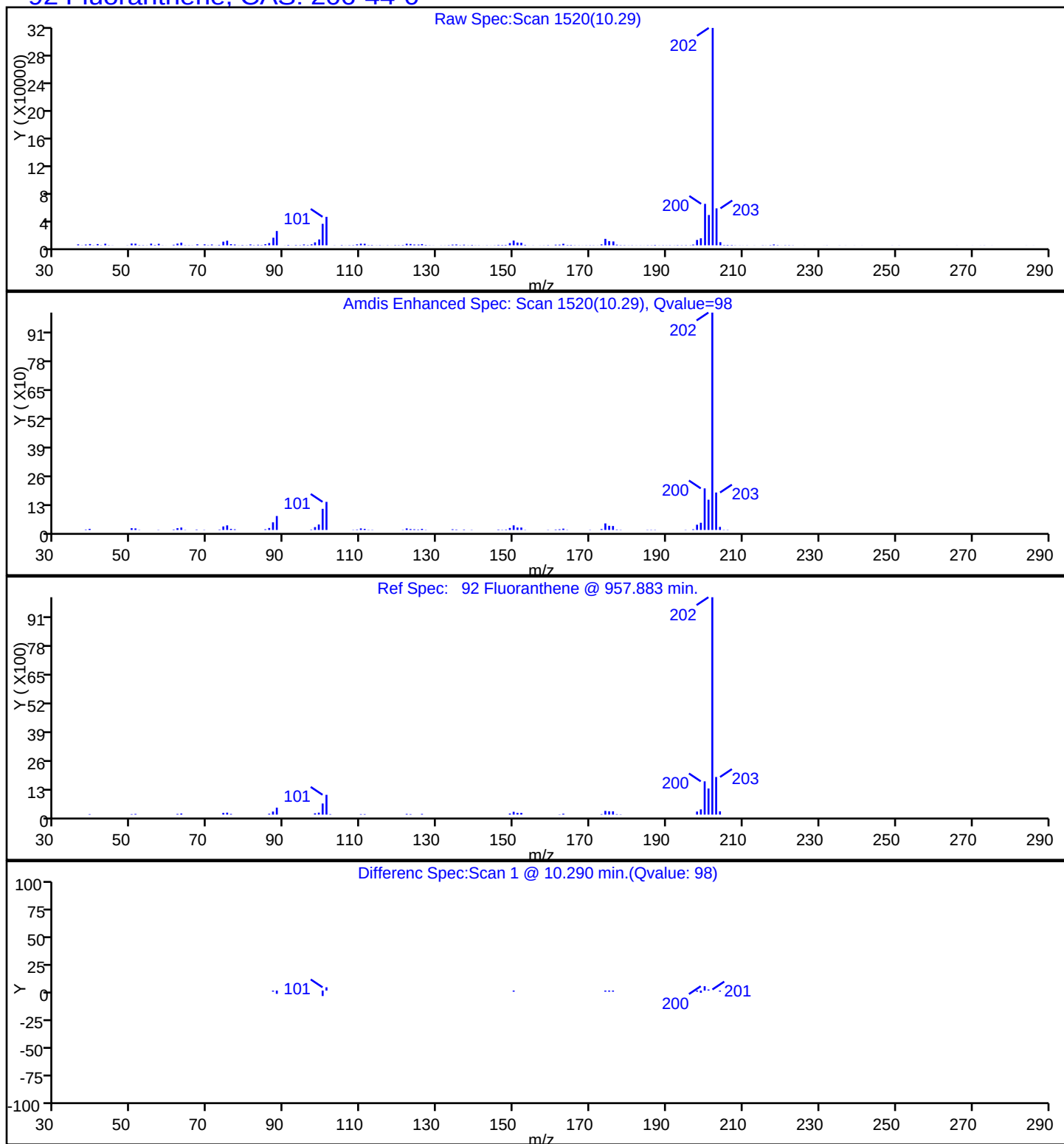
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

92 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150825-31068.b\\z35703.D

Injection Date: 25-Aug-2015 07:45:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-17-A

Lab Sample ID: 460-99997-17

Client ID: ES-17

Operator ID:

ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 1.0 ul

Dil. Factor: 2.0000

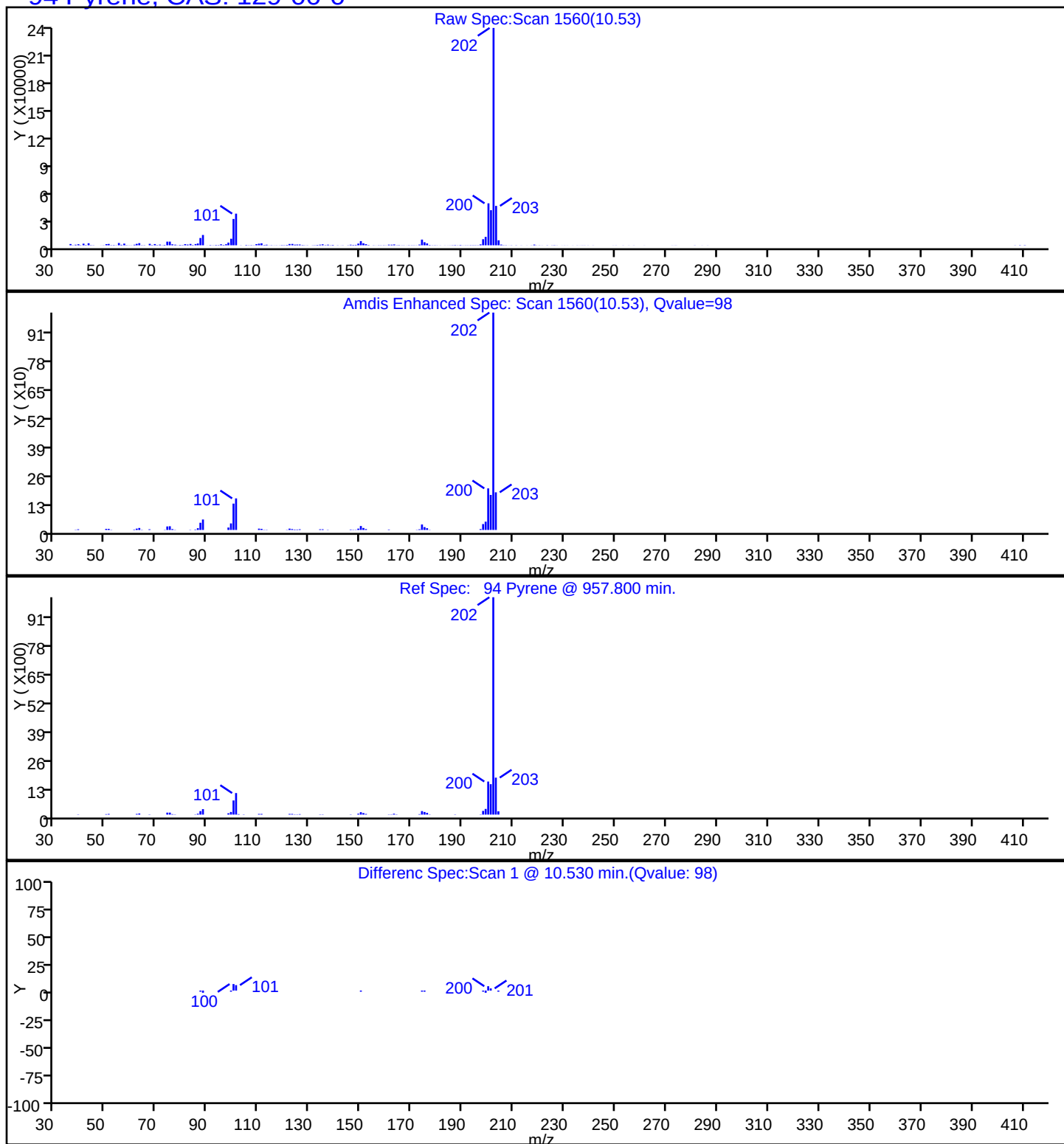
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

94 Pyrene, CAS: 129-00-0



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150825-31068.b\\z35703.D

Injection Date: 25-Aug-2015 07:45:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-17-A

Lab Sample ID: 460-99997-17

Client ID: ES-17

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_11R_9

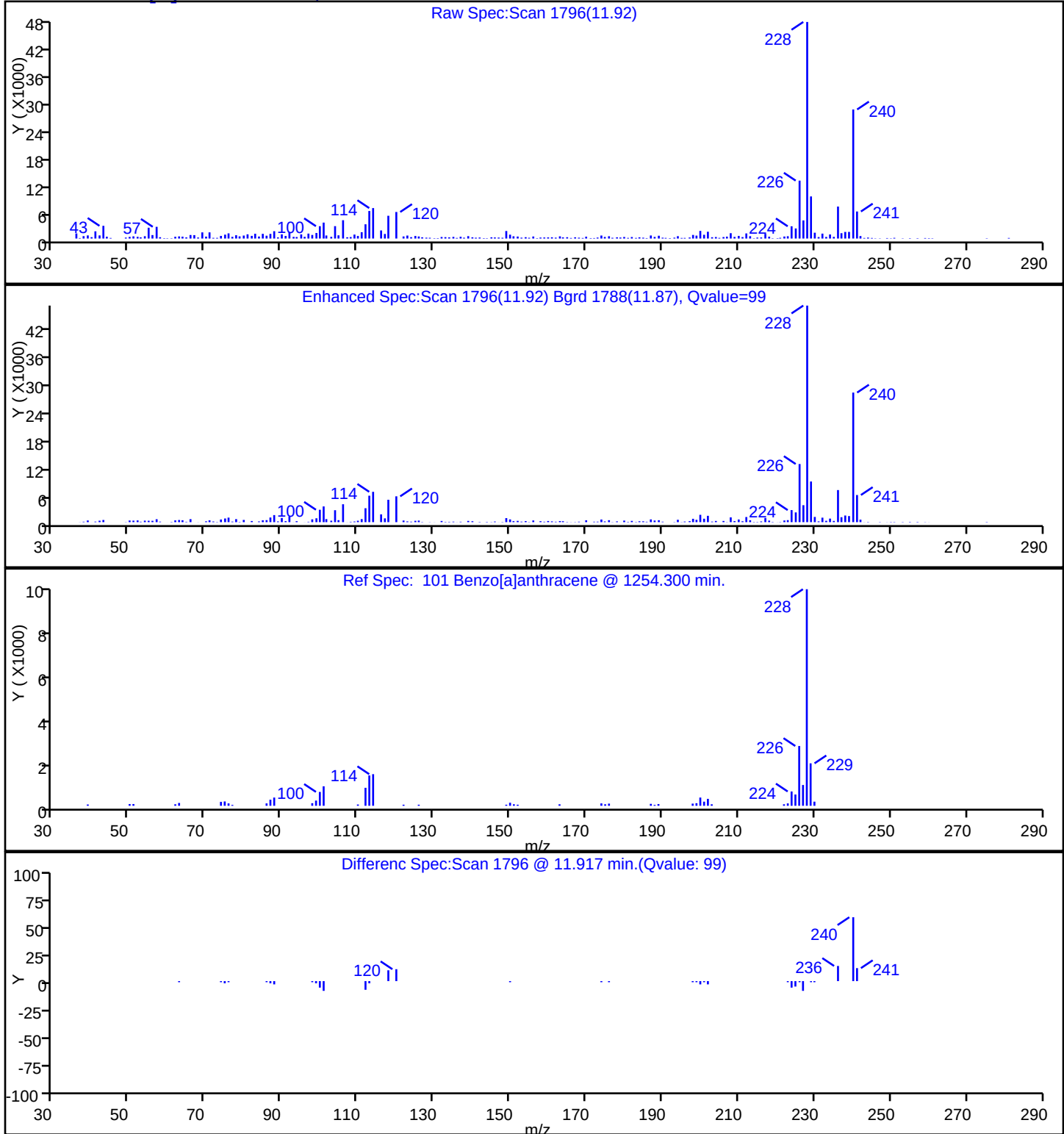
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

101 Benzo[a]anthracene, CAS: 56-55-3

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150825-31068.b\\z35703.D

Injection Date: 25-Aug-2015 07:45:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-17-A

Lab Sample ID: 460-99997-17

Client ID: ES-17

Operator ID:

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

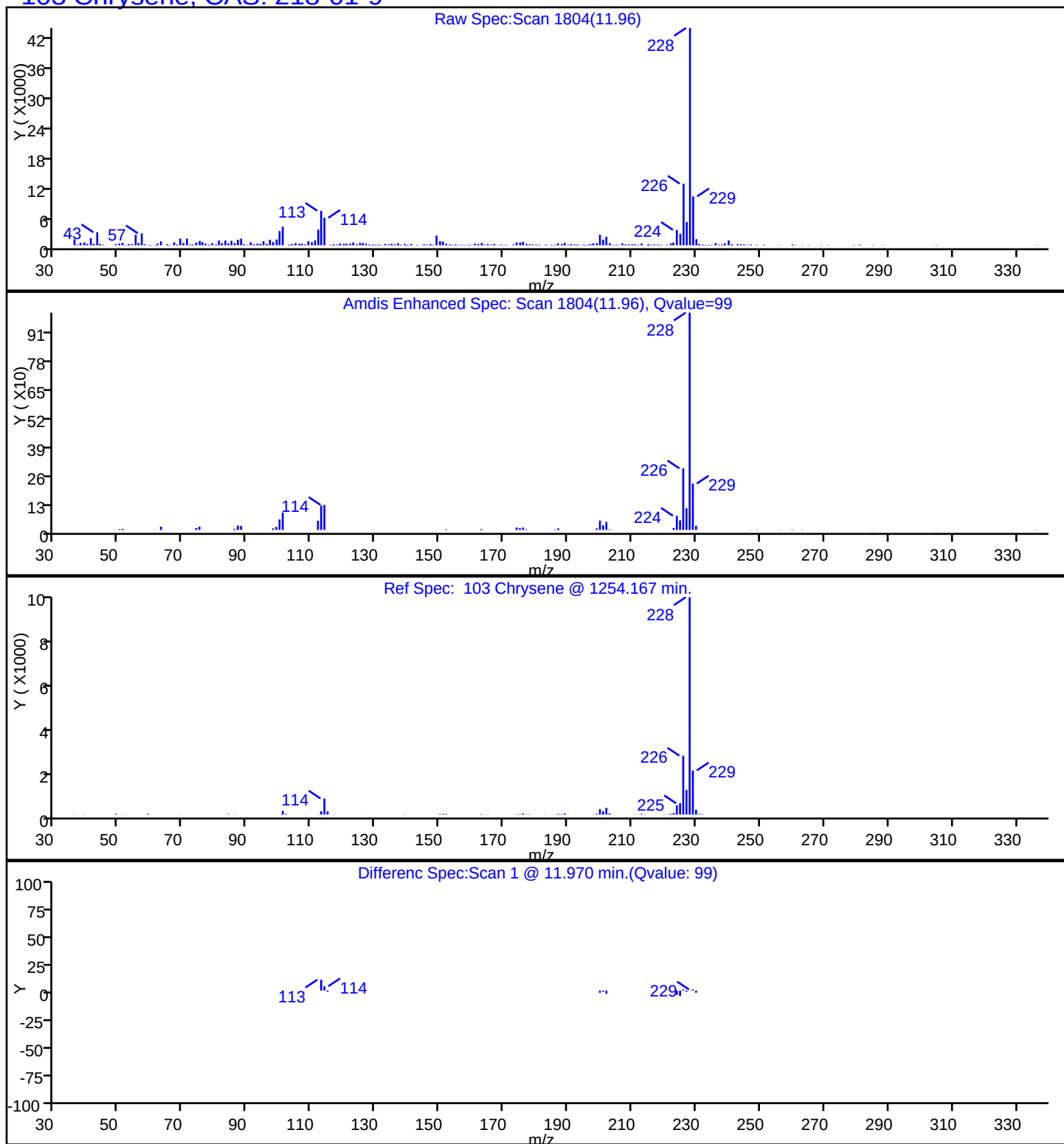
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

103 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150825-31068.b\\z35703.D

Injection Date: 25-Aug-2015 07:45:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-17-A

Lab Sample ID: 460-99997-17

Client ID: ES-17

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_11R_9

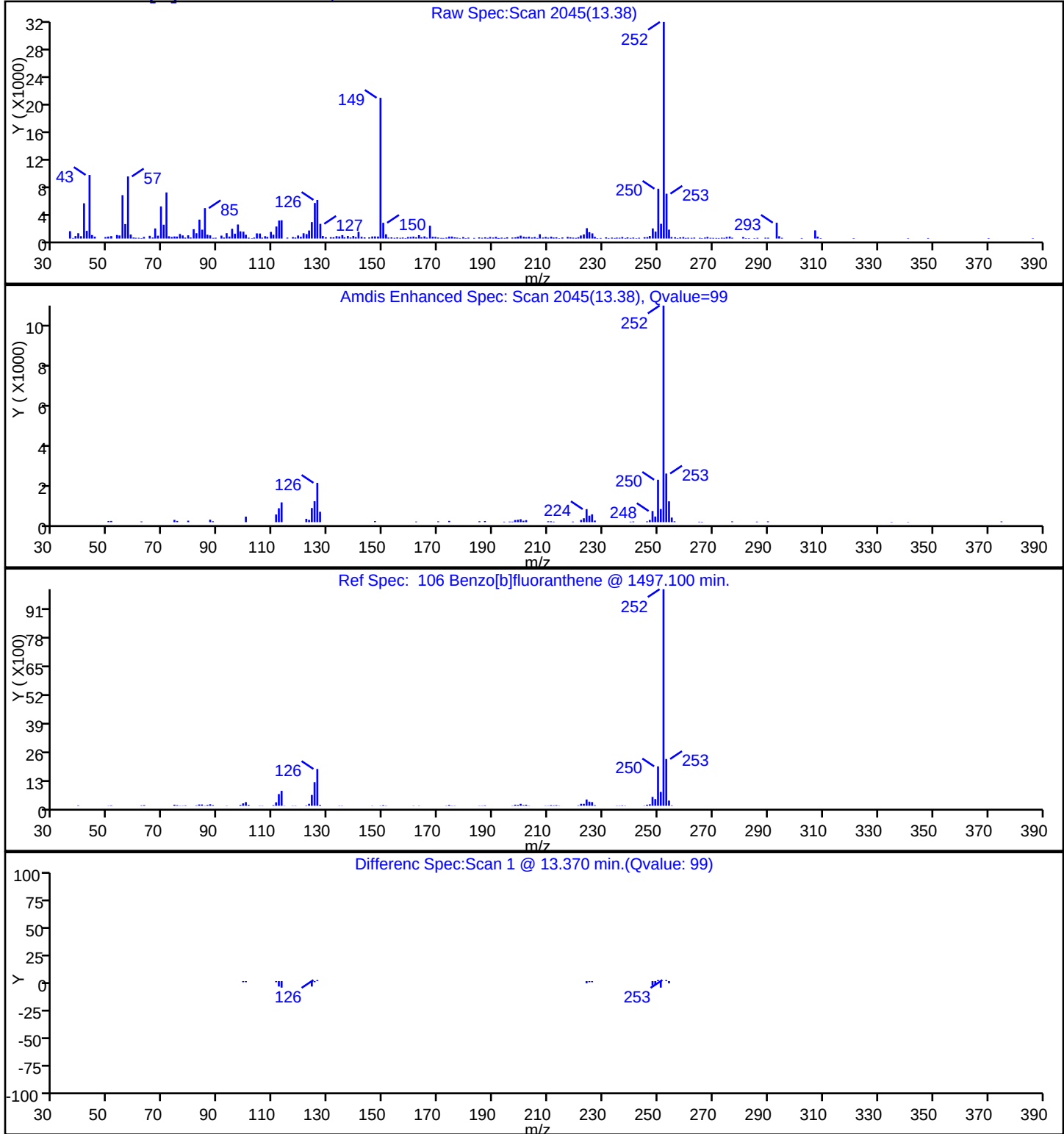
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

106 Benzo[b]fluoranthene, CAS: 205-99-2

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150825-31068.b\\z35703.D

Injection Date: 25-Aug-2015 07:45:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-17-A

Lab Sample ID: 460-99997-17

Client ID: ES-17

Operator ID:

ALS Bottle#:

Worklist Smp#: 10

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_11R_9

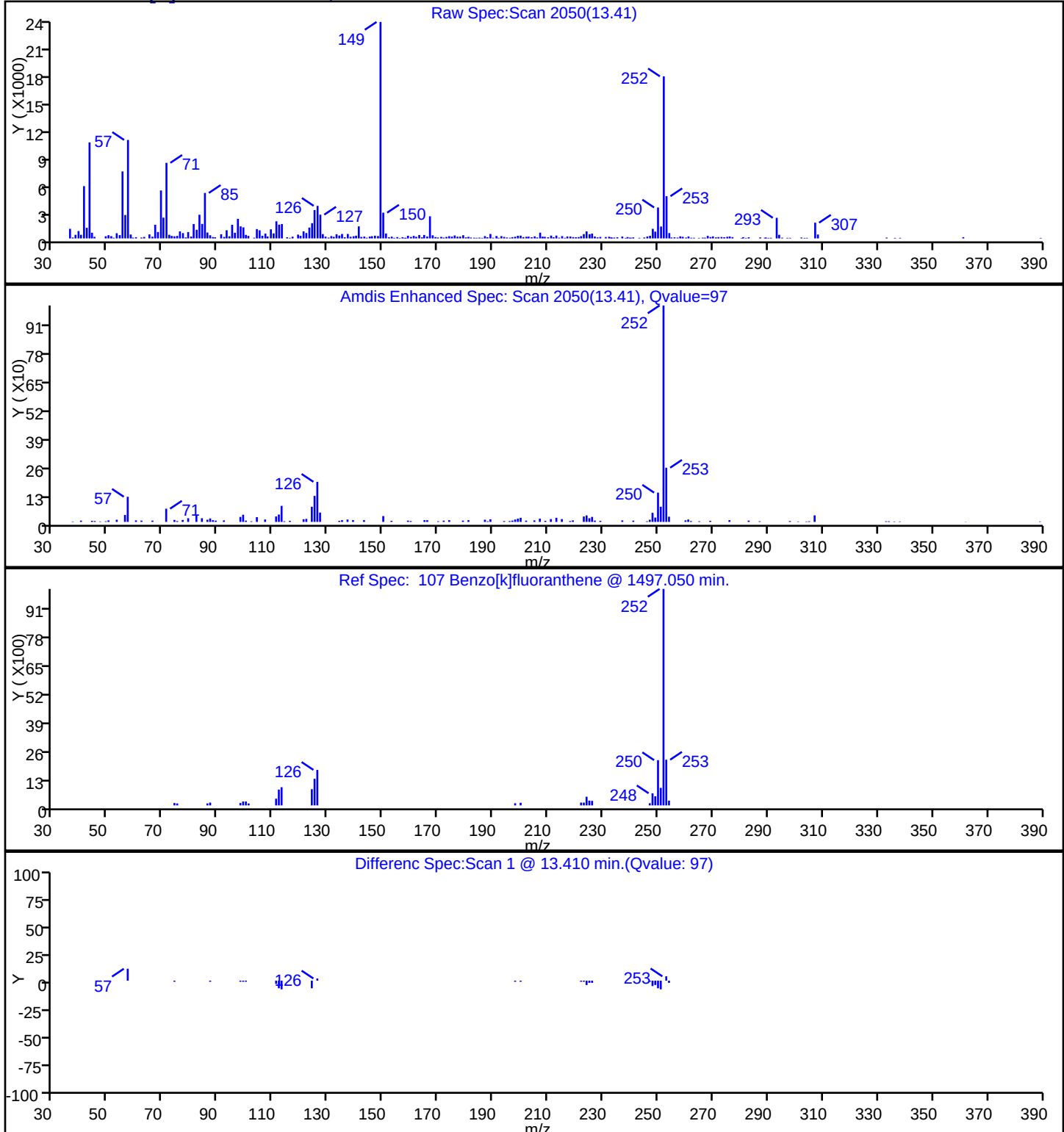
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

107 Benzo[k]fluoranthene, CAS: 207-08-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150825-31068.b\z35703.D

Injection Date: 25-Aug-2015 07:45:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-17-A

Lab Sample ID: 460-99997-17

Client ID: ES-17

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_11R_9

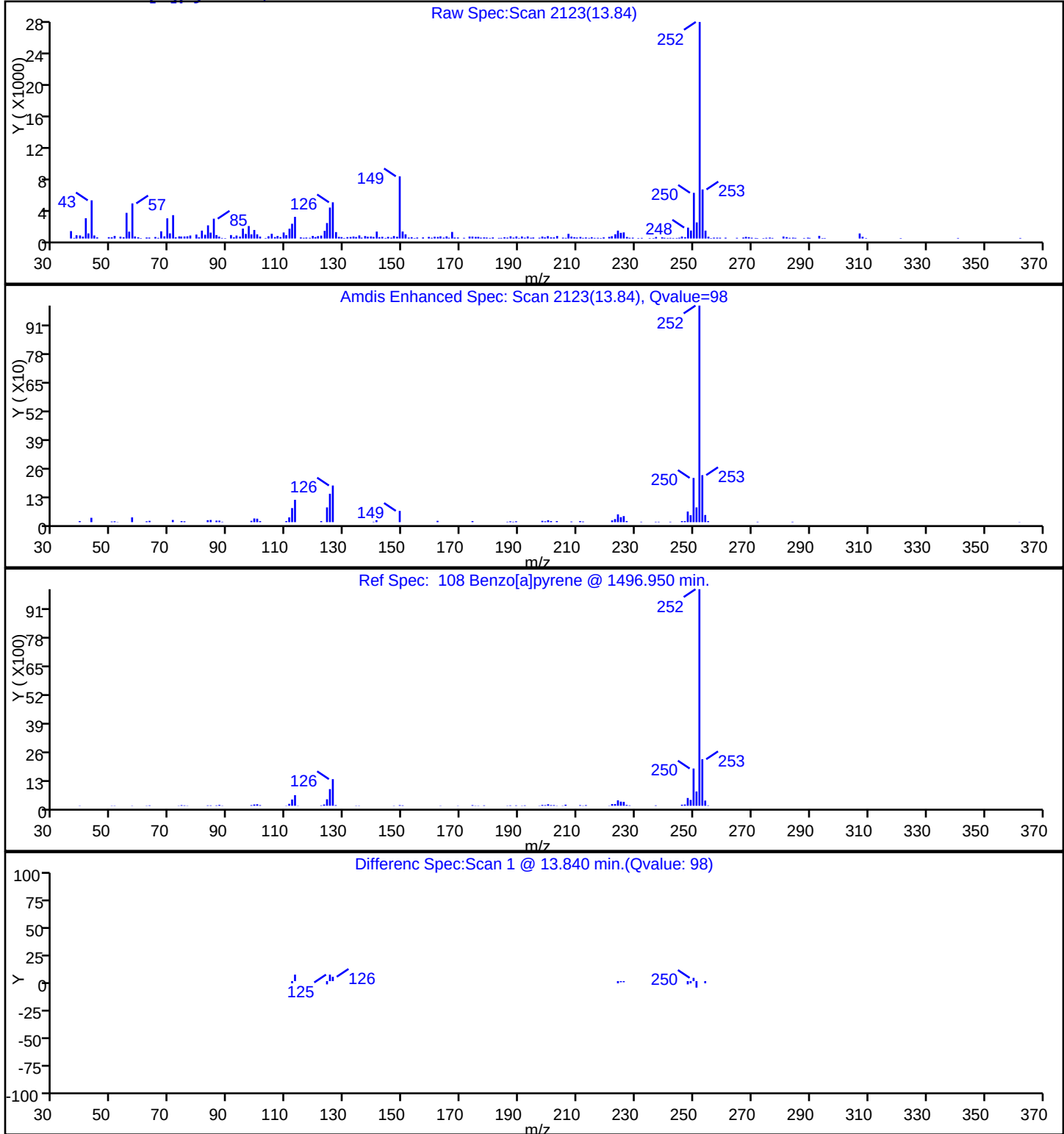
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

108 Benzo[a]pyrene, CAS: 50-32-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150825-31068.b\z35703.D

Injection Date: 25-Aug-2015 07:45:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-17-A

Lab Sample ID: 460-99997-17

Client ID: ES-17

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_11R_9

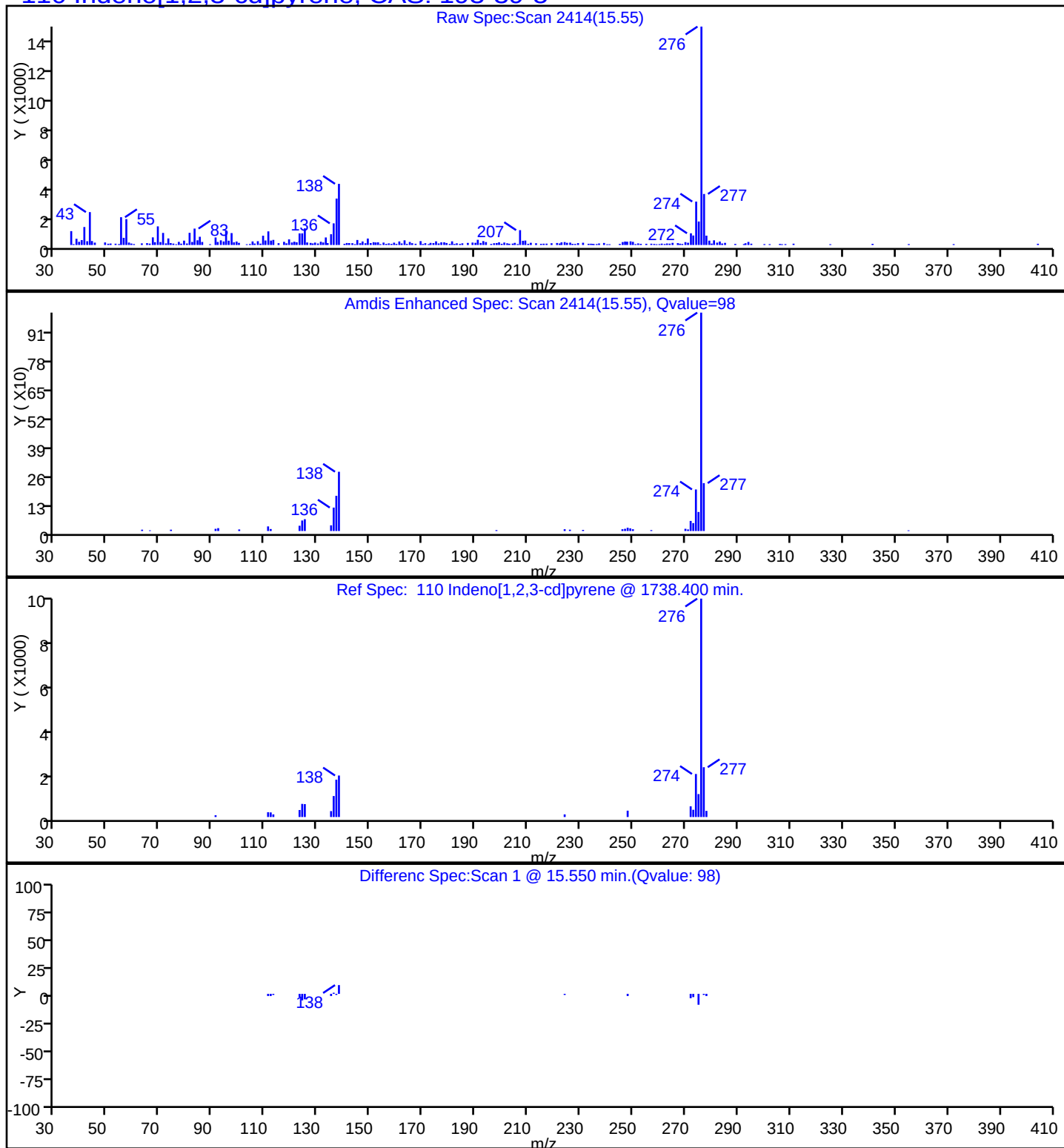
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150825-31068.b\\z35703.D

Injection Date: 25-Aug-2015 07:45:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-17-A

Lab Sample ID: 460-99997-17

Client ID: ES-17

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_11R_9

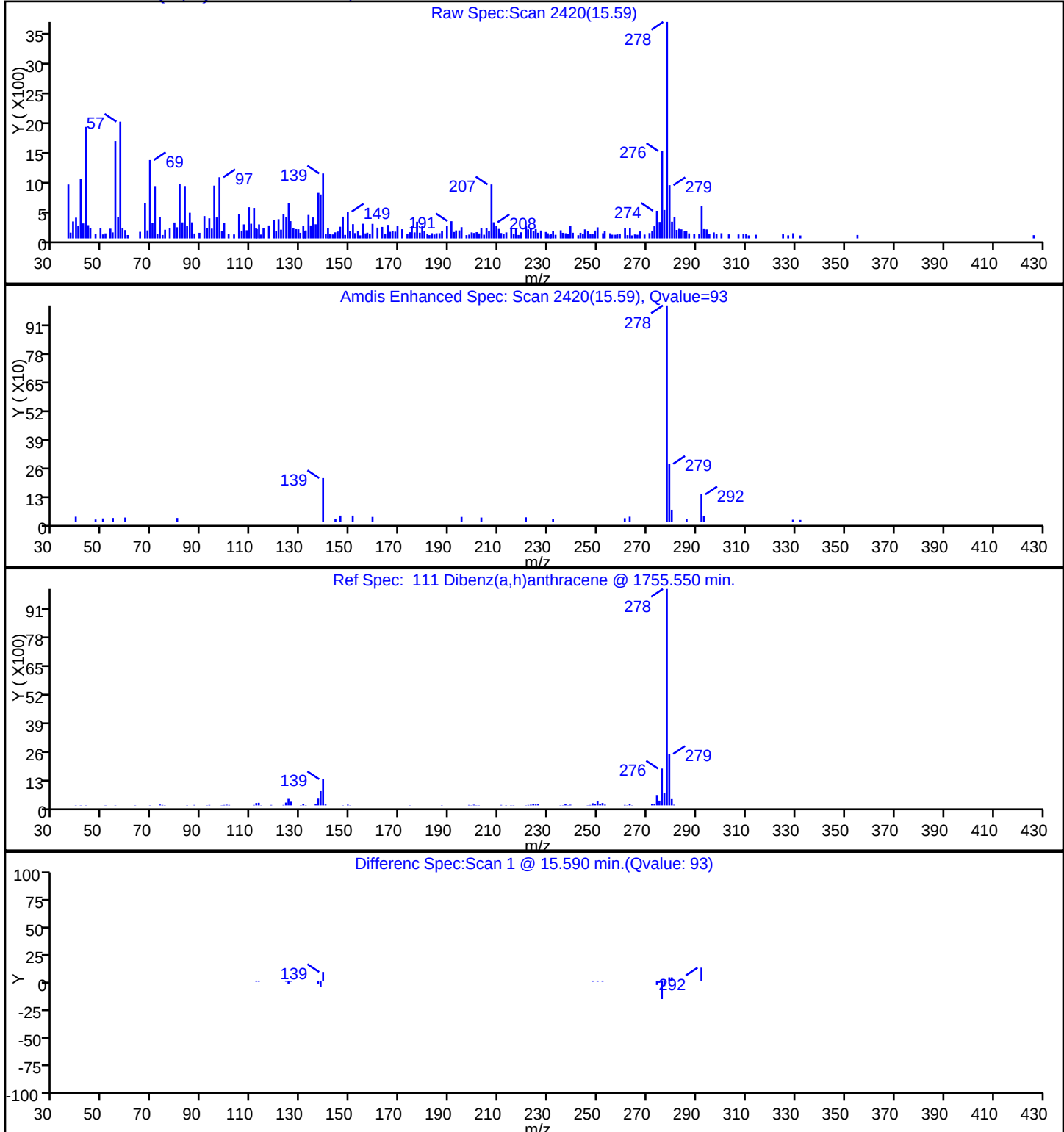
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

111 Dibenz(a,h)anthracene, CAS: 53-70-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150825-31068.b\z35703.D

Injection Date: 25-Aug-2015 07:45:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-17-A

Lab Sample ID: 460-99997-17

Client ID: ES-17

Operator ID:

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

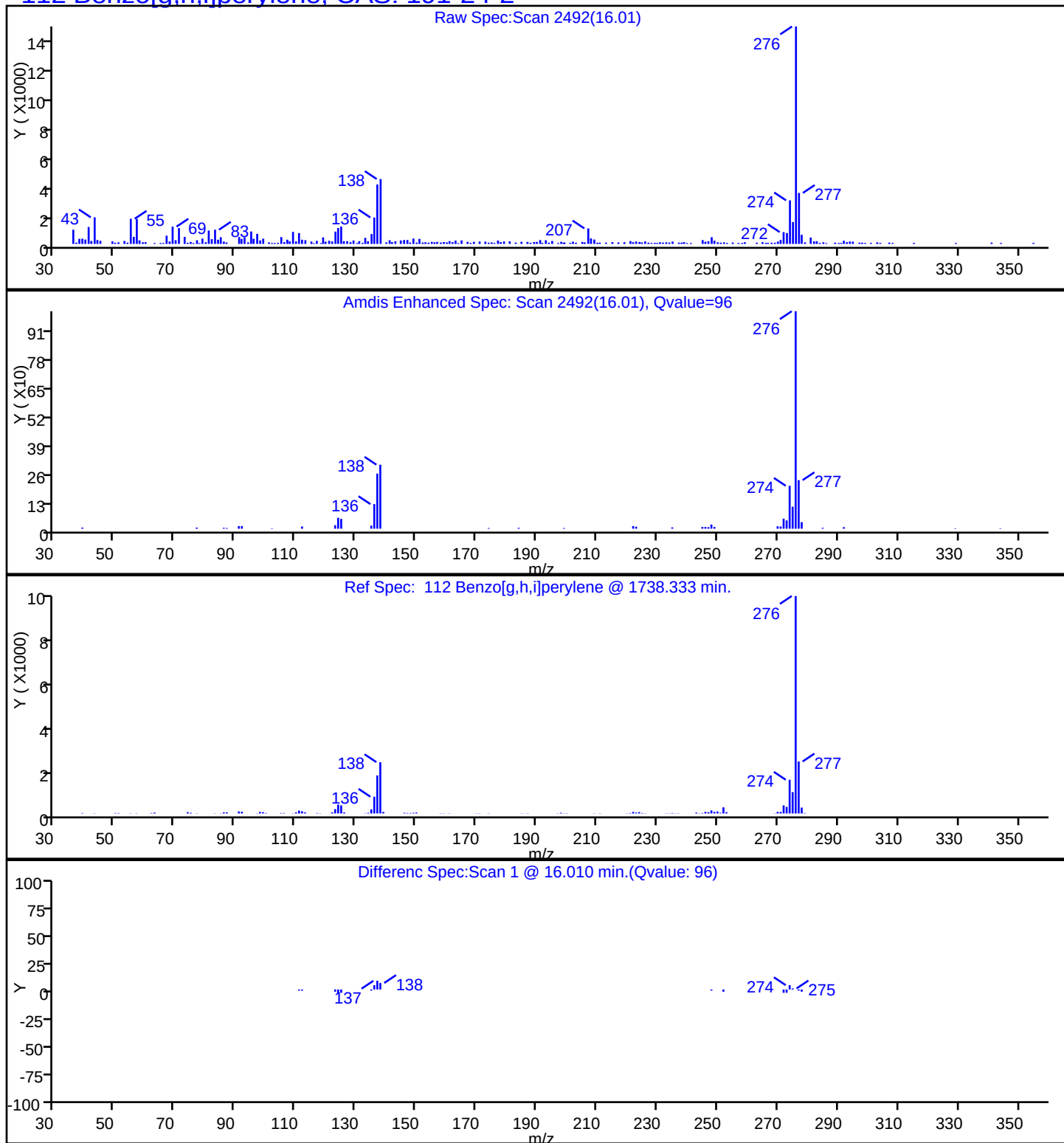
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

112 Benzo[g,h,i]perylene, CAS: 191-24-2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-18</u>	Lab Sample ID: <u>460-99997-18</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z35688.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>08/20/2015 14:20</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>08/21/2015 21:30</u>
Sample wt/vol: <u>15.0312(g)</u>	Date Analyzed: <u>08/24/2015 12:11</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>2</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>18.7</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318357</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.35	J	0.81	0.021
91-57-6	2-Methylnaphthalene	0.17	J	0.81	0.018
208-96-8	Acenaphthylene	0.021	U	0.81	0.021
83-32-9	Acenaphthene	1.1		0.81	0.020
86-73-7	Fluorene	0.73	J	0.81	0.018
85-01-8	Phenanthrene	12		0.81	0.022
120-12-7	Anthracene	2.8		0.81	0.077
206-44-0	Fluoranthene	12		0.81	0.024
129-00-0	Pyrene	7.0		0.81	0.037
56-55-3	Benzo[a]anthracene	3.6		0.081	0.068
218-01-9	Chrysene	3.9		0.81	0.022
205-99-2	Benzo[b]fluoranthene	3.4		0.081	0.032
207-08-9	Benzo[k]fluoranthene	1.5		0.081	0.035
50-32-8	Benzo[a]pyrene	2.8		0.081	0.025
193-39-5	Indeno[1,2,3-cd]pyrene	2.6		0.081	0.054
53-70-3	Dibenz(a,h)anthracene	0.65		0.081	0.042
191-24-2	Benzo[g,h,i]perylene	2.2		0.81	0.047

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	79		30-130
1718-51-0	Terphenyl-d14	80		30-130
321-60-8	2-Fluorobiphenyl	85		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35688.D
 Lims ID: 460-99997-E-18-A Lab Sample ID: 460-99997-18
 Client ID: ES-18
 Sample Type: Client
 Inject. Date: 24-Aug-2015 12:11:30 ALS Bottle#: 20 Worklist Smp#: 20
 Injection Vol: 1.0 ul Dil. Factor: 2.0000
 Sample Info: 460-0031030-020
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Aug-2015 16:14:40 Calib Date: 19-Aug-2015 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35546.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: szczecha

Date: 24-Aug-2015 16:24:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.501	3.318	0.183	93	188974	16.6	
\$ 6 Phenol-d5	99	4.259	4.242	0.017	86	231603	17.4	
7 Phenol	94	4.271	4.253	0.018	95	6006	0.4307	
* 14 1,4-Dichlorobenzene-d4	152	4.624	4.600	0.024	96	354009	40.0	
22 Acetophenone	105	5.006	5.012	-0.006	96	5391	0.4044	
\$ 26 Nitrobenzene-d5	82	5.159	5.165	-0.006	91	202965	19.7	
31 Isophorone	82	5.412	5.430	-0.018	98	260242	15.6	
* 38 Naphthalene-d8	136	5.883	5.883	0.000	99	1164620	40.0	
39 Naphthalene	128	5.906	5.906	0.000	99	62277	2.16	
44 2-Methylnaphthalene	142	6.594	6.600	-0.006	88	19795	1.04	
\$ 51 2-Fluorobiphenyl	172	6.959	6.965	-0.006	99	378225	21.3	
52 1,1'-Biphenyl	154	7.059	7.065	-0.006	95	8644	0.4353	
* 65 Acenaphthene-d10	164	7.641	7.636	0.005	92	480568	40.0	
67 Acenaphthene	154	7.671	7.677	-0.006	94	95615	6.65	
71 Dibenzofuran	168	7.841	7.847	-0.006	96	93603	5.00	
74 Fluorene	166	8.177	8.183	-0.006	97	64499	4.49	
\$ 80 2,4,6-Tribromophenol	330	8.418	8.424	-0.006	93	26900	18.0	
* 87 Phenanthrene-d10	188	9.112	9.112	0.000	99	547049	40.0	
88 Phenanthrene	178	9.135	9.135	0.000	97	1113844	70.7	
89 Anthracene	178	9.183	9.188	-0.005	98	272011	17.1	
90 Carbazole	167	9.335	9.335	0.000	95	118353	9.20	
91 Di-n-butyl phthalate	149	9.671	9.665	0.006	98	7115	0.4906	
92 Fluoranthene	202	10.318	10.312	0.006	98	864353	71.3	
94 Pyrene	202	10.553	10.547	0.006	98	633262	43.0	
\$ 96 Terphenyl-d14	244	10.706	10.700	0.006	99	178666	19.9	
97 Butyl benzyl phthalate	149	11.247	11.241	0.006	96	409459	80.0	
101 Benzo[a]anthracene	228	11.947	11.935	0.012	99	197424	22.1	
* 102 Chrysene-d12	240	11.959	11.947	0.012	99	297775	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.965	11.953	0.012	88	65070	9.76	
103 Chrysene	228	11.994	11.988	0.006	99	188472	23.7	
106 Benzo[b]fluoranthene	252	13.412	13.400	0.012	99	196677	20.8	
107 Benzo[k]fluoranthene	252	13.447	13.441	0.006	1	85140	9.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
108 Benzo[a]pyrene	252	13.870	13.865	0.005	97	143027	17.1	
* 109 Perylene-d12	264	13.959	13.941	0.018	97	314120	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.600	15.582	0.018	98	100262	15.7	
111 Dibenz(a,h)anthracene	278	15.629	15.617	0.012	94	25560	3.94	
112 Benzo[g,h,i]perylene	276	16.064	16.053	0.011	97	93545	13.5	

Reagents:

SM_ISTD_00091

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35688.D

Injection Date: 24-Aug-2015 12:11:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: 460-99997-E-18-A

Lab Sample ID: 460-99997-18

Worklist Smp#: 20

Client ID: ES-18

Injection Vol: 1.0 ul

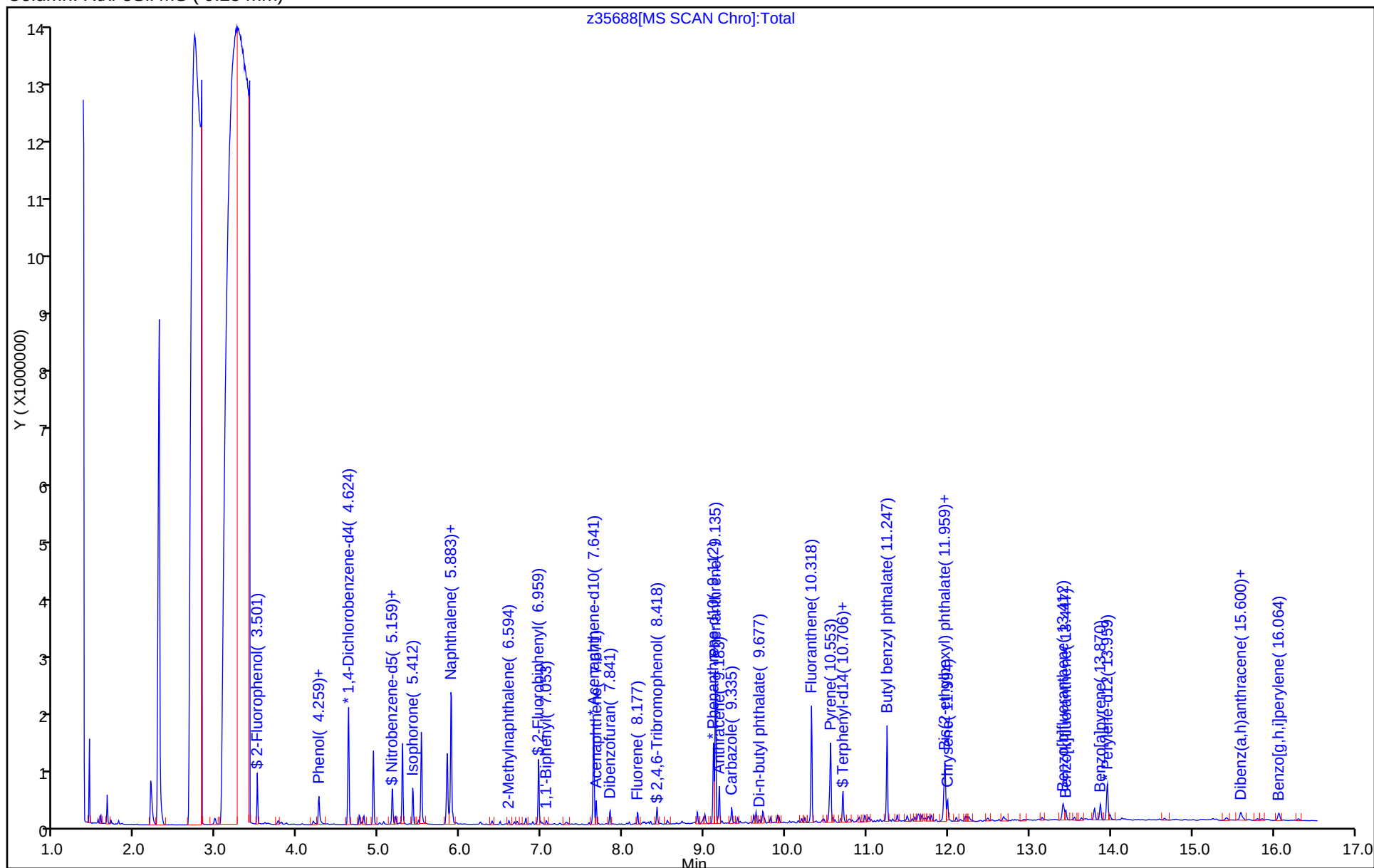
Dil. Factor: 2.0000

ALS Bottle#: 20

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35688.D

Injection Date: 24-Aug-2015 12:11:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-18-A

Lab Sample ID: 460-99997-18

Client ID: ES-18

Operator ID:

ALS Bottle#: 20 Worklist Smp#: 20

Injection Vol: 1.0 ul

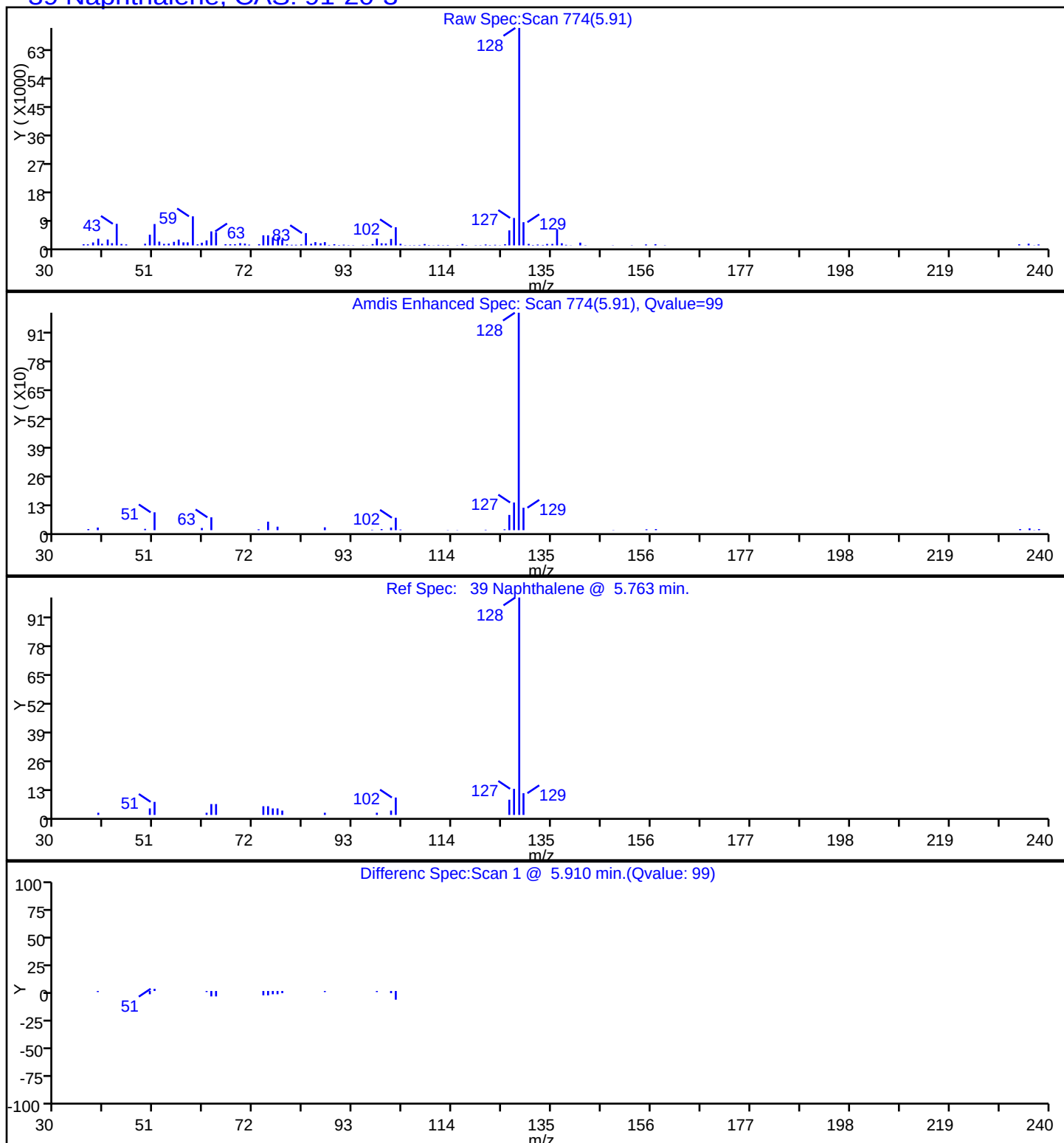
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

39 Naphthalene, CAS: 91-20-3

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35688.D

Injection Date: 24-Aug-2015 12:11:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-18-A

Lab Sample ID: 460-99997-18

Client ID: ES-18

Operator ID:

ALS Bottle#: 20

Worklist Smp#: 20

Injection Vol: 1.0 ul

Dil. Factor: 2.0000

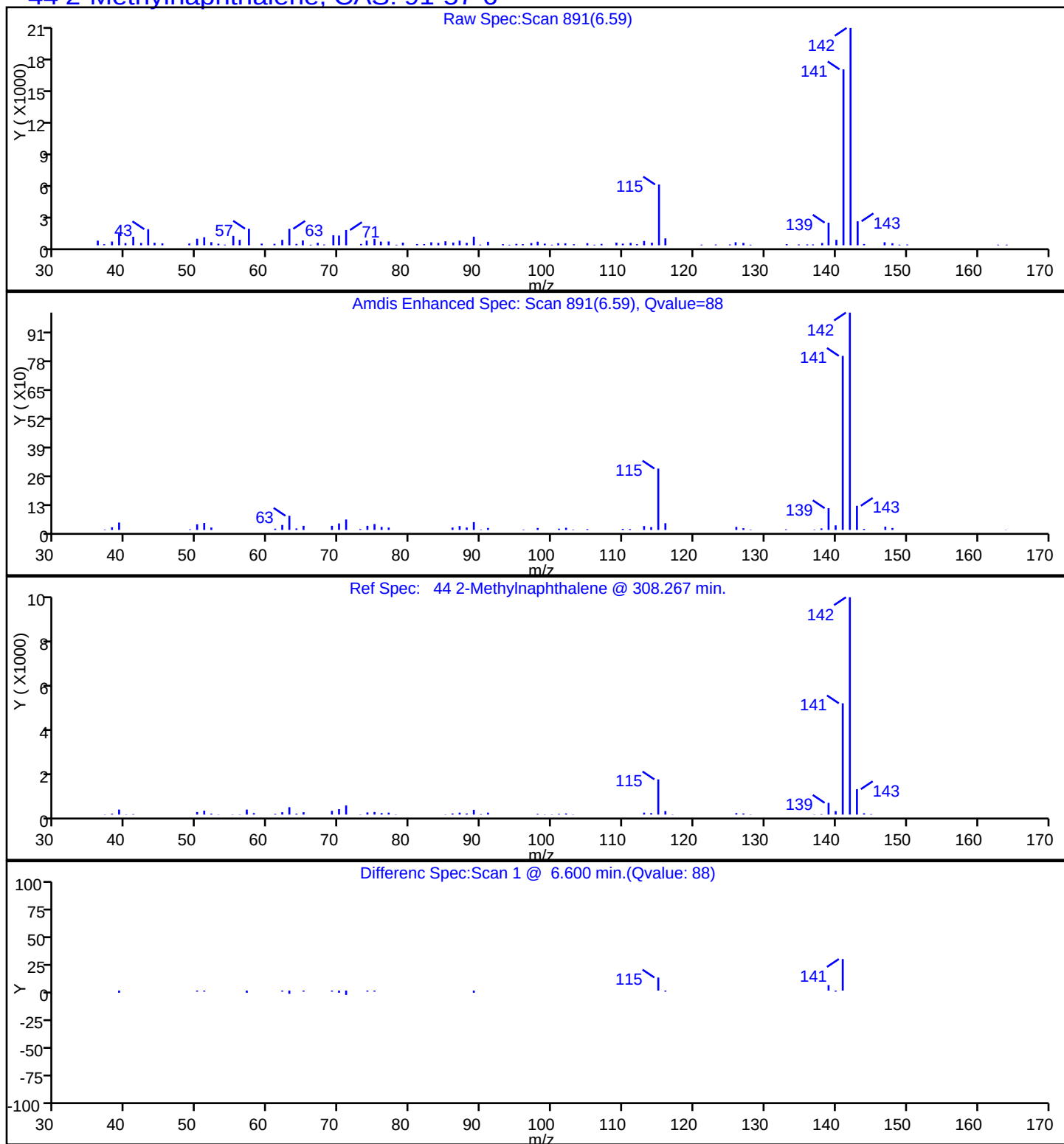
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

44 2-Methylnaphthalene, CAS: 91-57-6



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35688.D

Injection Date: 24-Aug-2015 12:11:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-18-A

Lab Sample ID: 460-99997-18

Client ID: ES-18

Operator ID:

ALS Bottle#: 20

Worklist Smp#: 20

Injection Vol: 1.0 ul

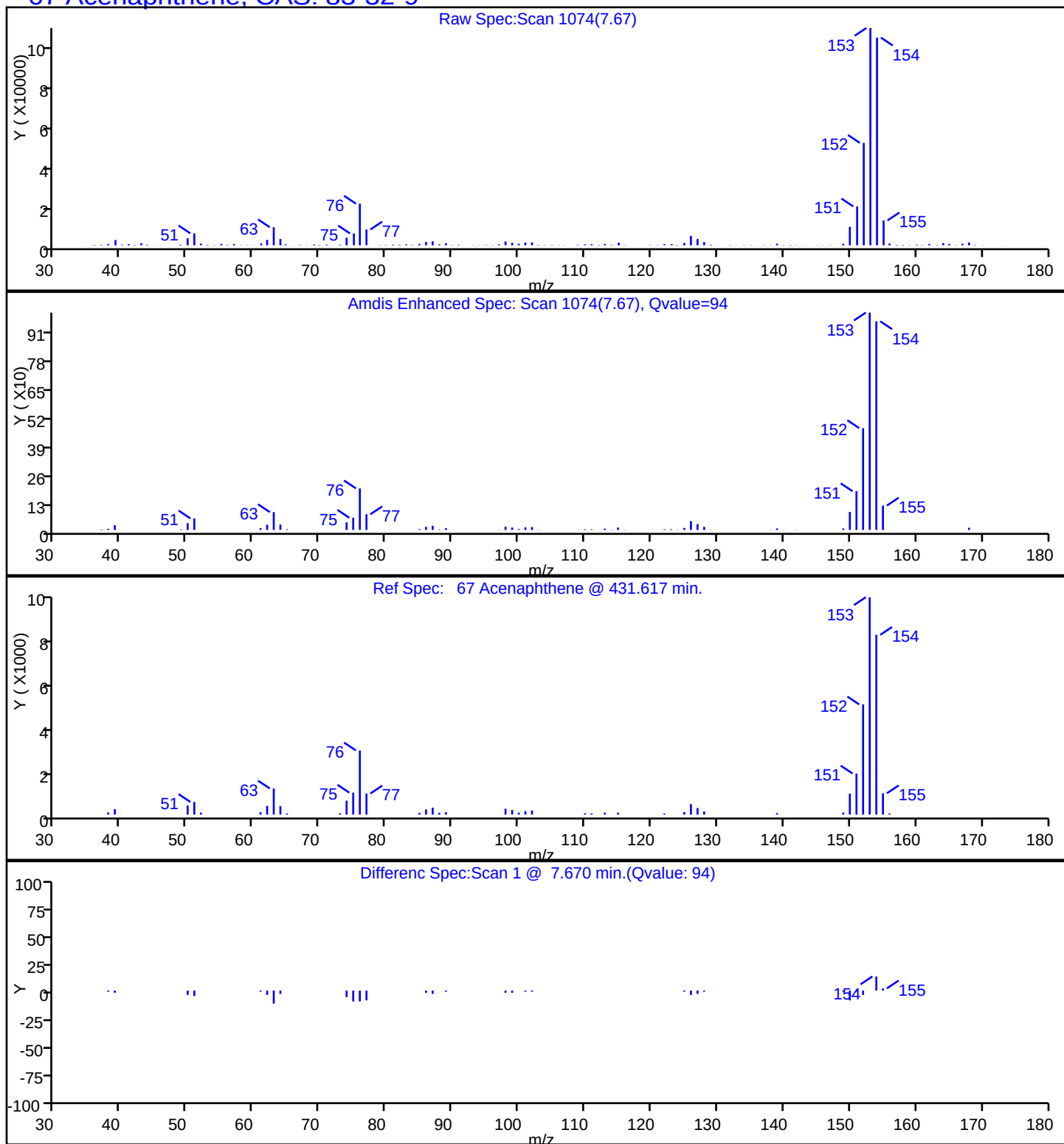
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

67 Acenaphthene, CAS: 83-32-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35688.D

Injection Date: 24-Aug-2015 12:11:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-18-A

Lab Sample ID: 460-99997-18

Client ID: ES-18

Operator ID:

ALS Bottle#:

20

Worklist Smp#:

20

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_11R_9

Limit Group:

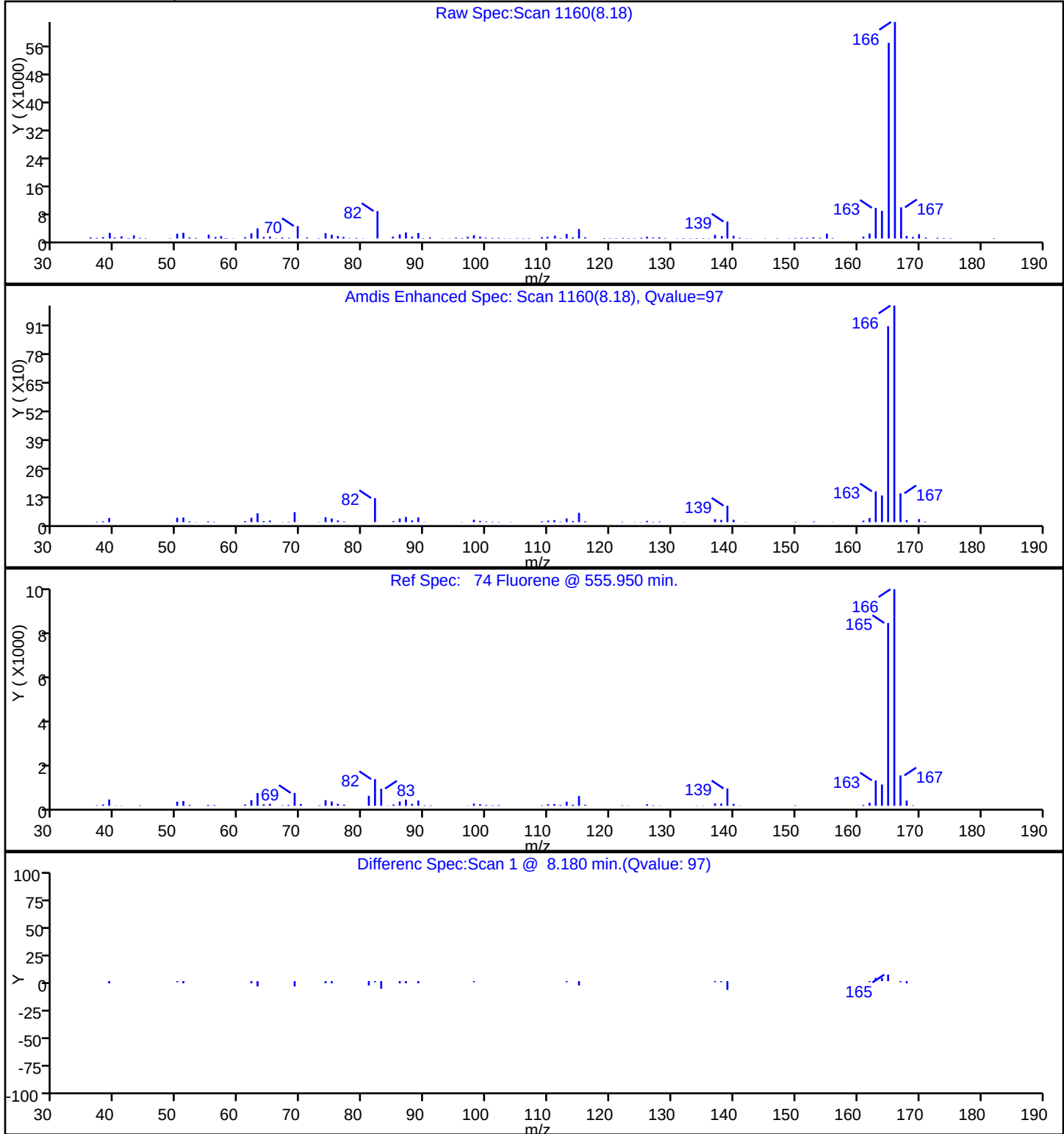
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

74 Fluorene, CAS: 86-73-7



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35688.D

Injection Date: 24-Aug-2015 12:11:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-18-A

Lab Sample ID: 460-99997-18

Client ID: ES-18

Operator ID:

ALS Bottle#:

Worklist Smp#: 20

Injection Vol: 1.0 ul

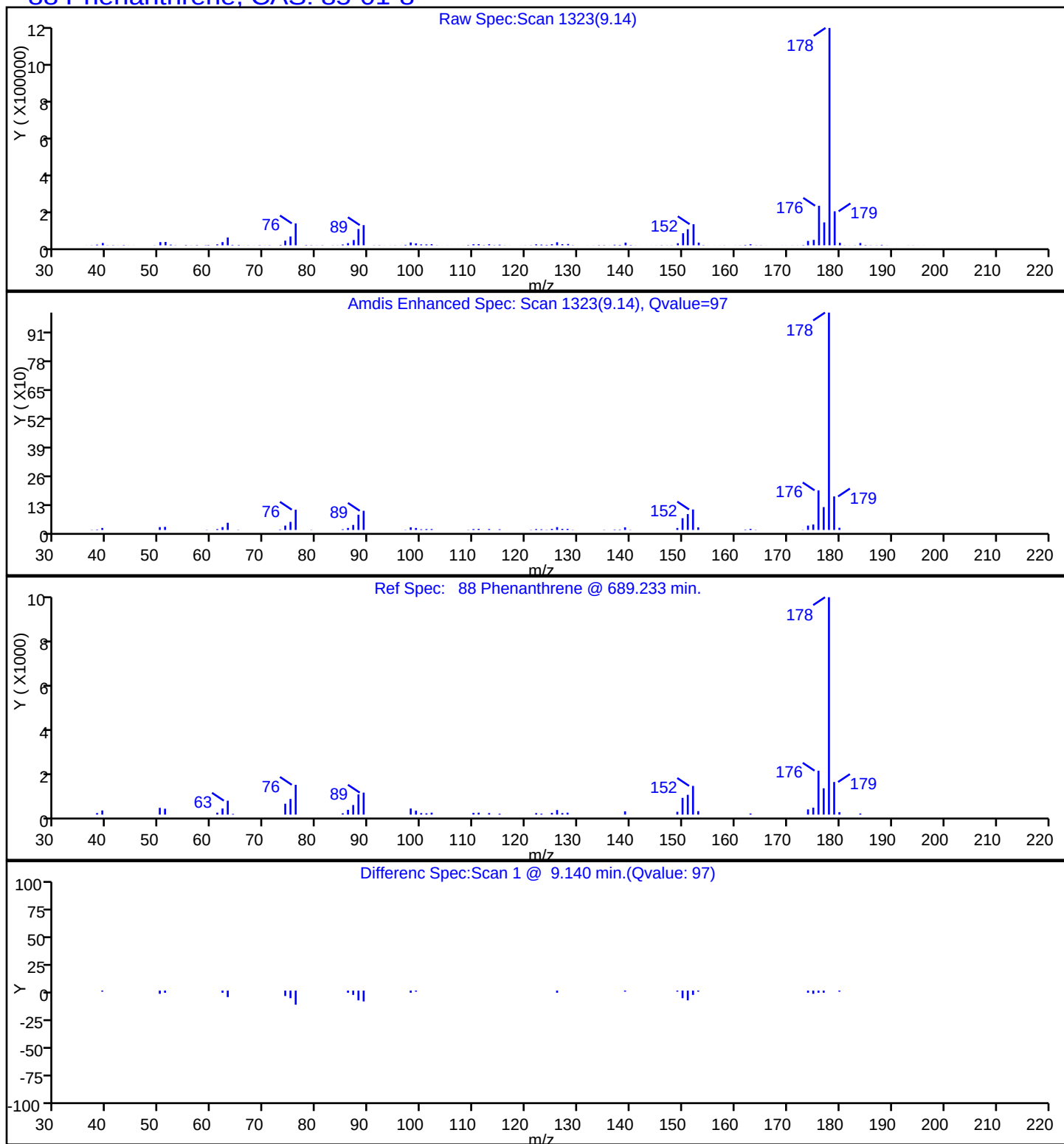
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

88 Phenanthrene, CAS: 85-01-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35688.D

Injection Date: 24-Aug-2015 12:11:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-18-A

Lab Sample ID: 460-99997-18

Client ID: ES-18

Operator ID:

ALS Bottle#: 20

Worklist Smp#: 20

Injection Vol: 1.0 ul

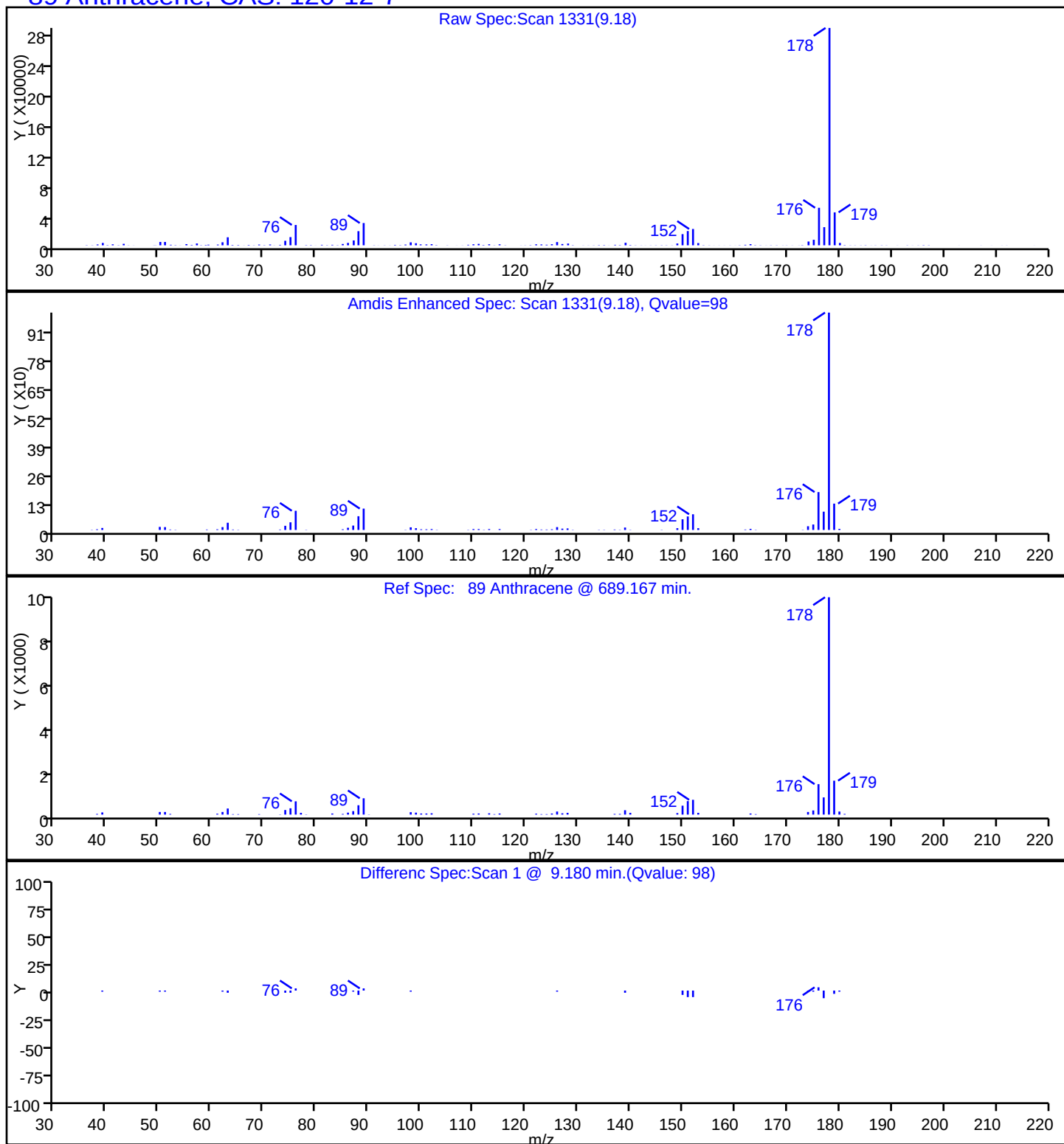
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

89 Anthracene, CAS: 120-12-7

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35688.D

Injection Date: 24-Aug-2015 12:11:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-18-A

Lab Sample ID: 460-99997-18

Client ID: ES-18

Operator ID:

ALS Bottle#:

20

Worklist Smp#:

20

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_11R_9

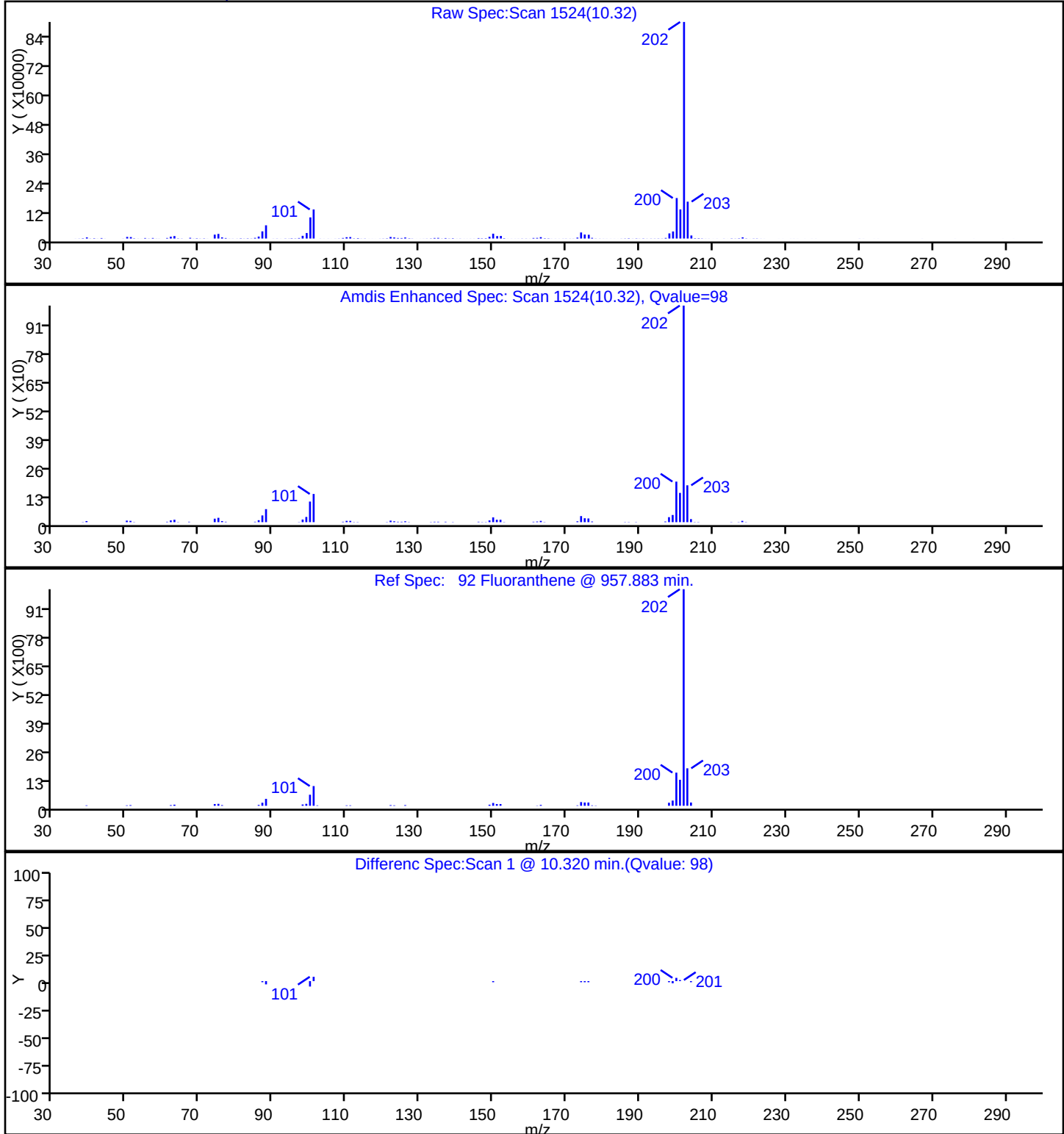
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

92 Fluoranthene, CAS: 206-44-0

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35688.D

Injection Date: 24-Aug-2015 12:11:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-18-A

Lab Sample ID: 460-99997-18

Client ID: ES-18

Operator ID:

ALS Bottle#: 20

Worklist Smp#: 20

Injection Vol: 1.0 ul

Dil. Factor: 2.0000

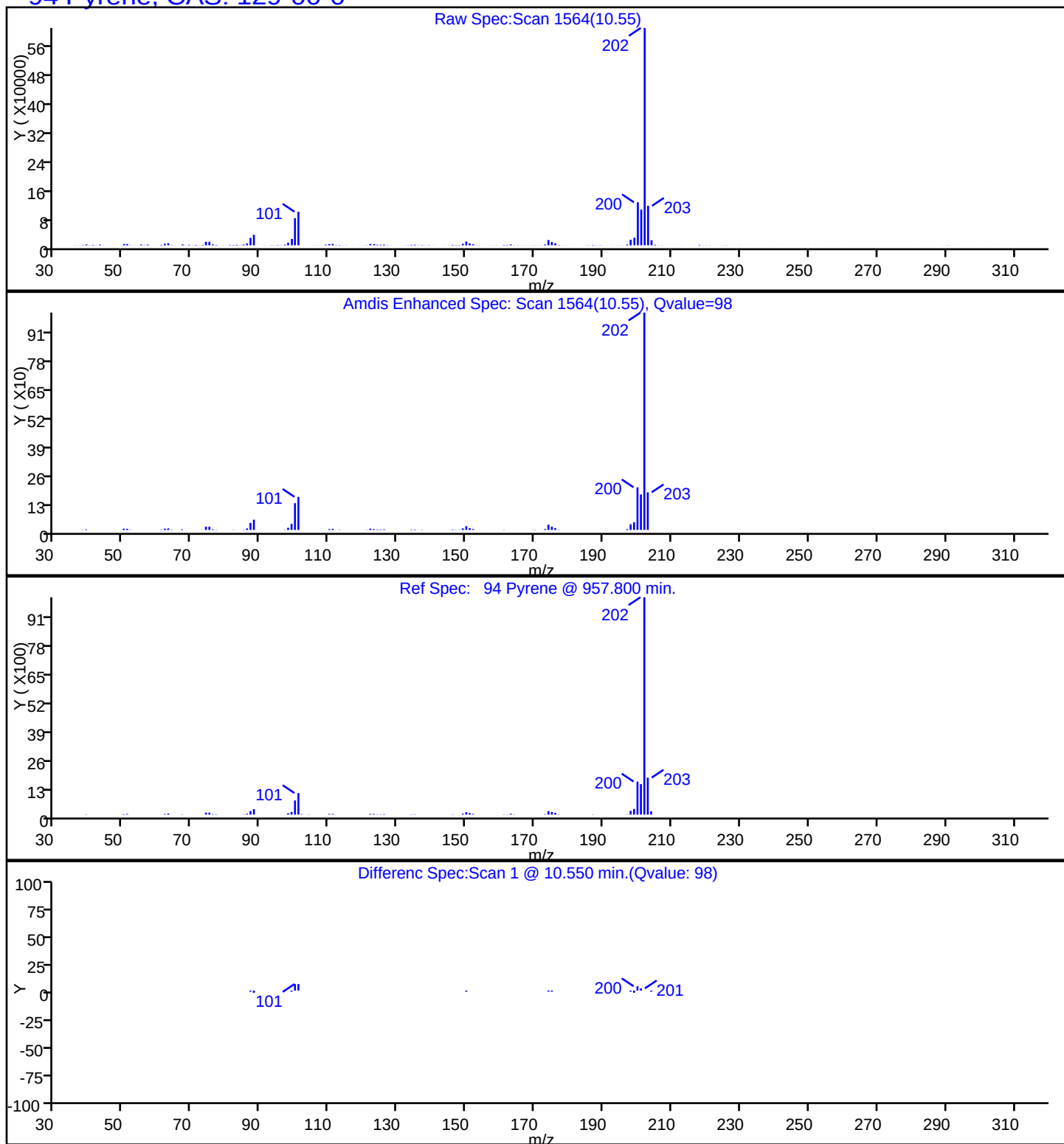
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

94 Pyrene, CAS: 129-00-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35688.D

Injection Date: 24-Aug-2015 12:11:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-18-A

Lab Sample ID: 460-99997-18

Client ID: ES-18

Operator ID:

ALS Bottle#: 20

Worklist Smp#: 20

Injection Vol: 1.0 ul

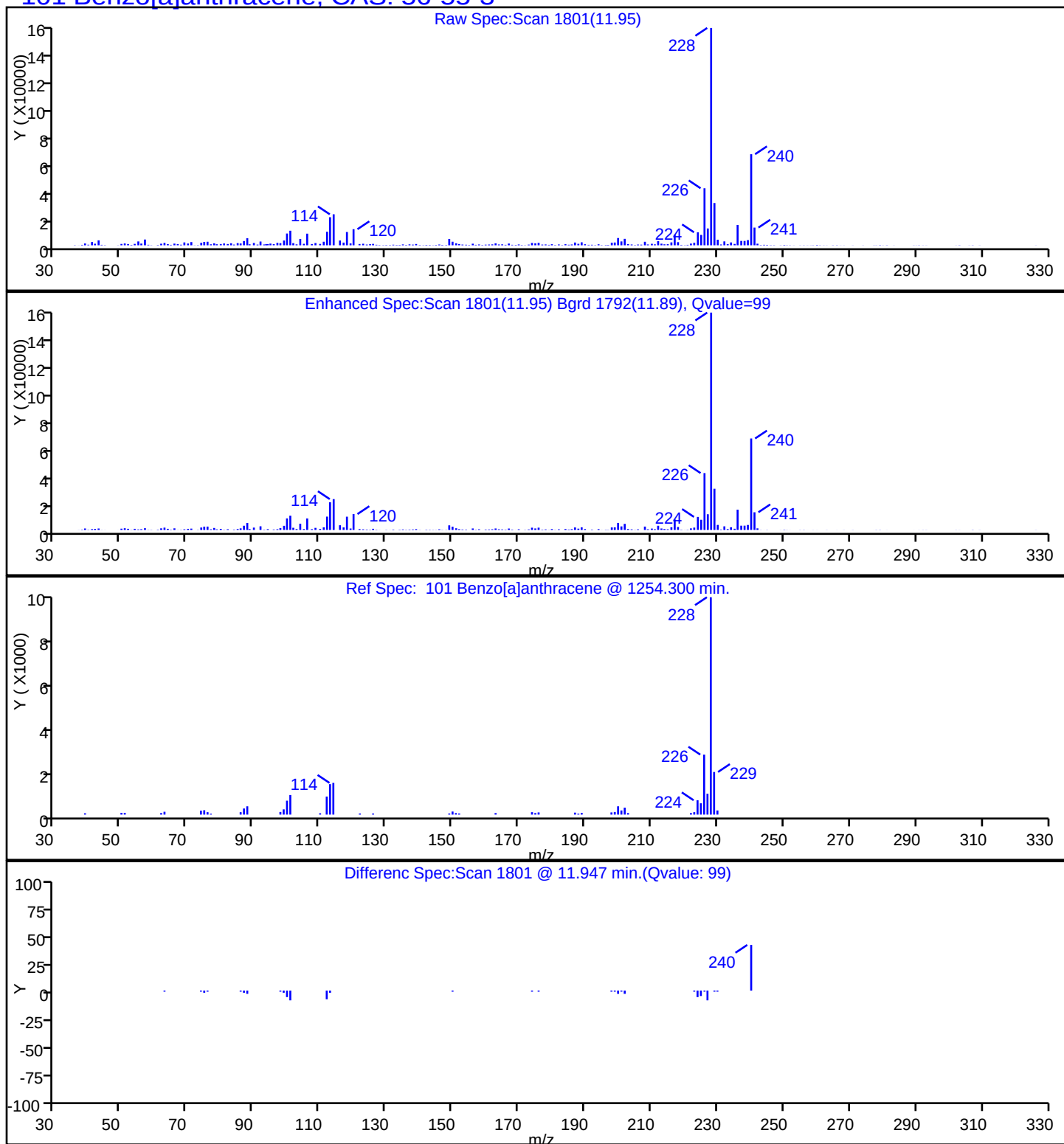
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

101 Benzo[a]anthracene, CAS: 56-55-3

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35688.D

Injection Date: 24-Aug-2015 12:11:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-18-A

Lab Sample ID: 460-99997-18

Client ID: ES-18

Operator ID:

ALS Bottle#: 20

Worklist Smp#: 20

Injection Vol: 1.0 ul

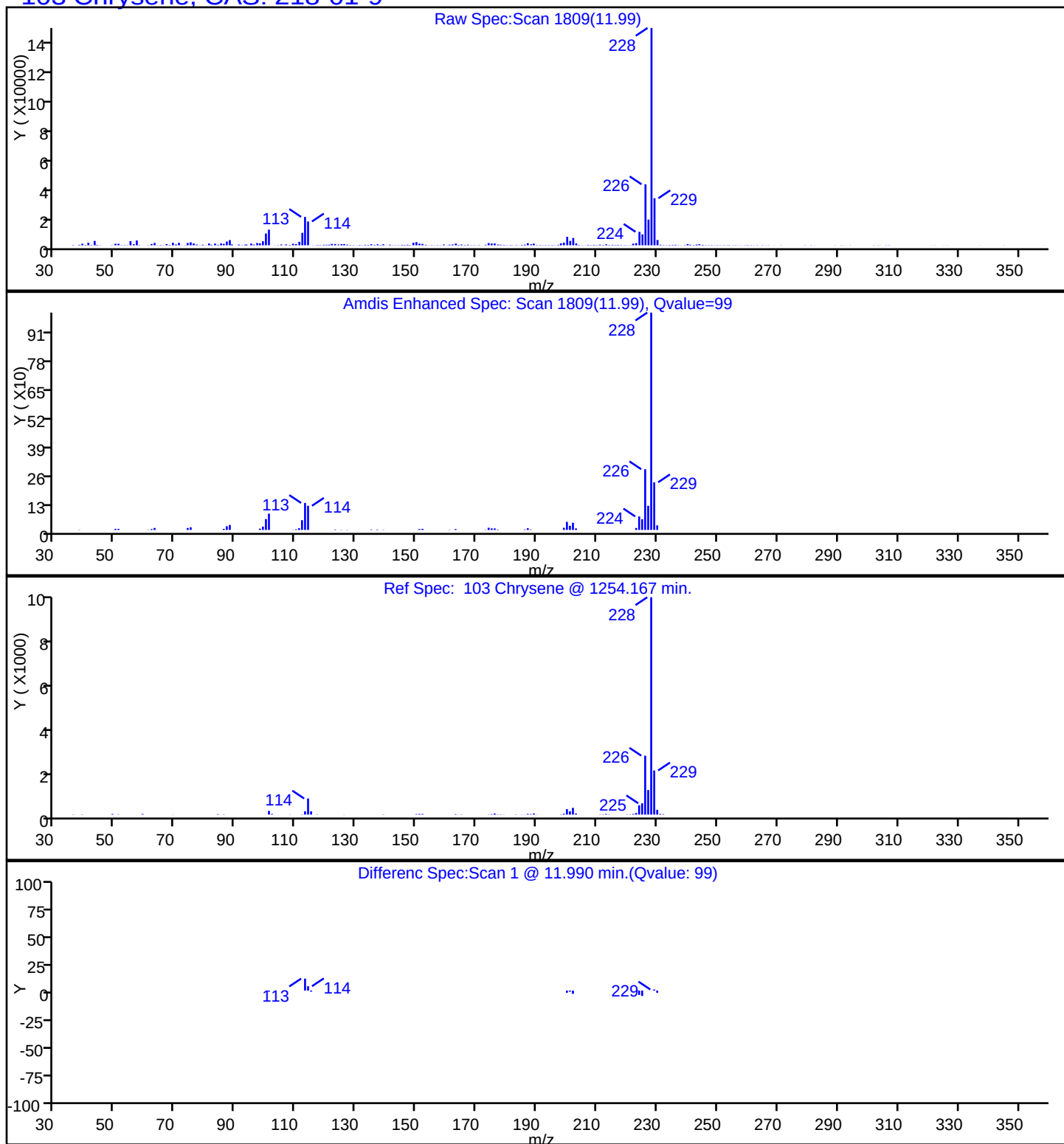
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

103 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35688.D

Injection Date: 24-Aug-2015 12:11:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-18-A

Lab Sample ID: 460-99997-18

Client ID: ES-18

Operator ID:

ALS Bottle#: 20

Worklist Smp#: 20

Injection Vol: 1.0 ul

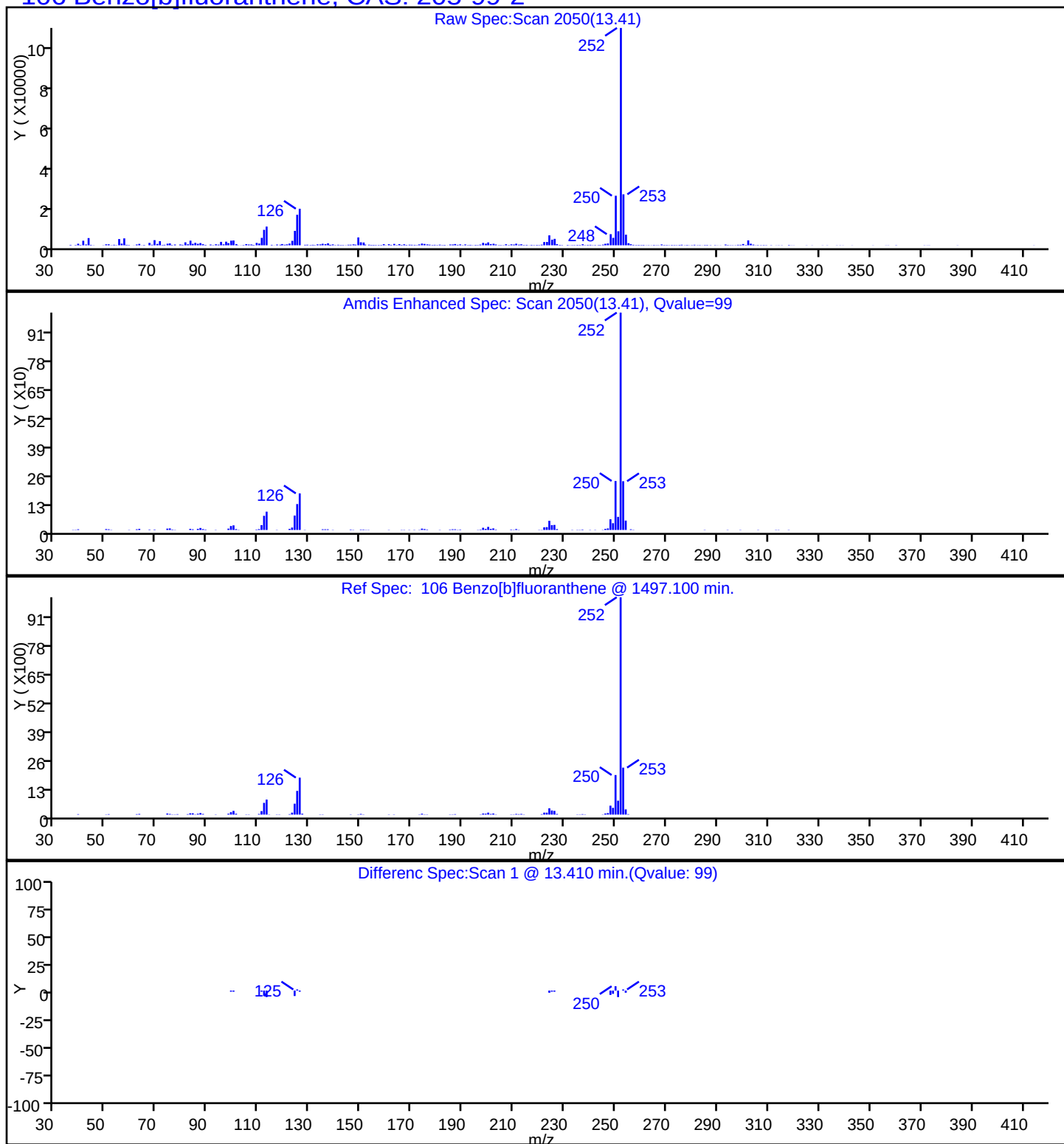
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

106 Benzo[b]fluoranthene, CAS: 205-99-2

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35688.D

Injection Date: 24-Aug-2015 12:11:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-18-A

Lab Sample ID: 460-99997-18

Client ID: ES-18

Operator ID:

ALS Bottle#: 20

Worklist Smp#: 20

Injection Vol: 1.0 ul

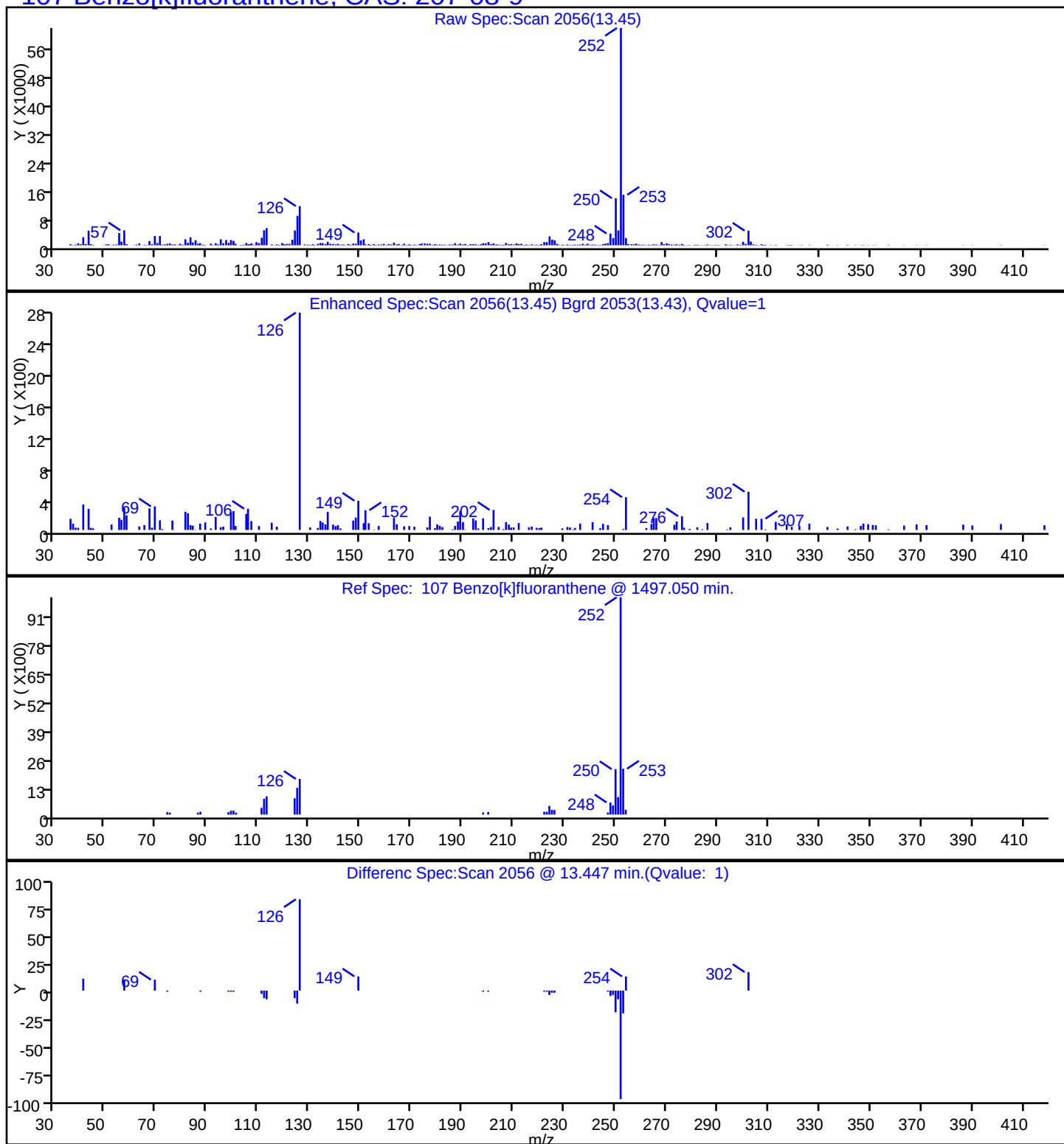
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

107 Benzo[k]fluoranthene, CAS: 207-08-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35688.D

Injection Date: 24-Aug-2015 12:11:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-18-A

Lab Sample ID: 460-99997-18

Client ID: ES-18

Operator ID:

ALS Bottle#: 20

Worklist Smp#: 20

Injection Vol: 1.0 ul

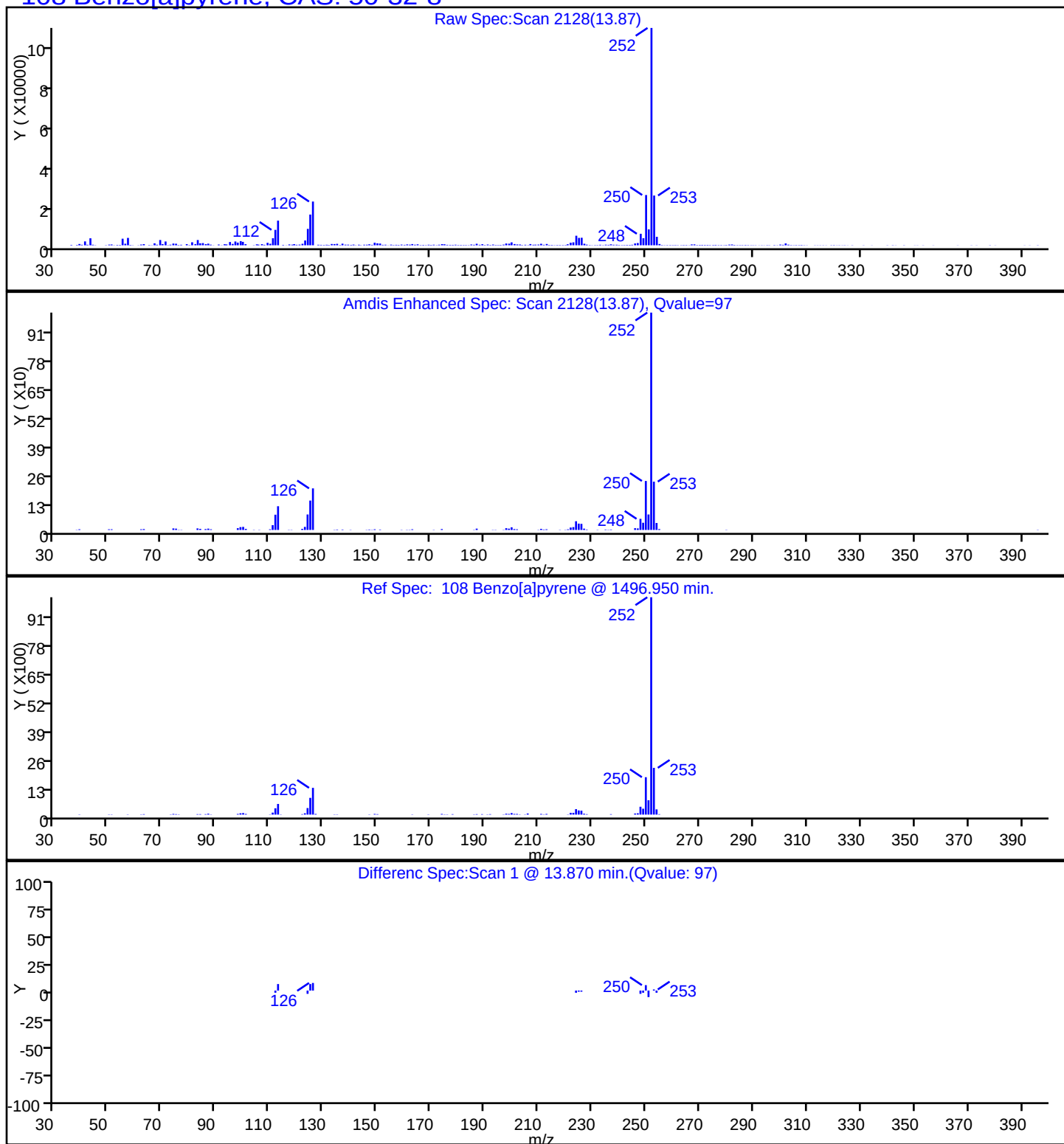
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

108 Benzo[a]pyrene, CAS: 50-32-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35688.D

Injection Date: 24-Aug-2015 12:11:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-18-A

Lab Sample ID: 460-99997-18

Client ID: ES-18

Operator ID:

ALS Bottle#:

20

Worklist Smp#:

20

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_11R_9

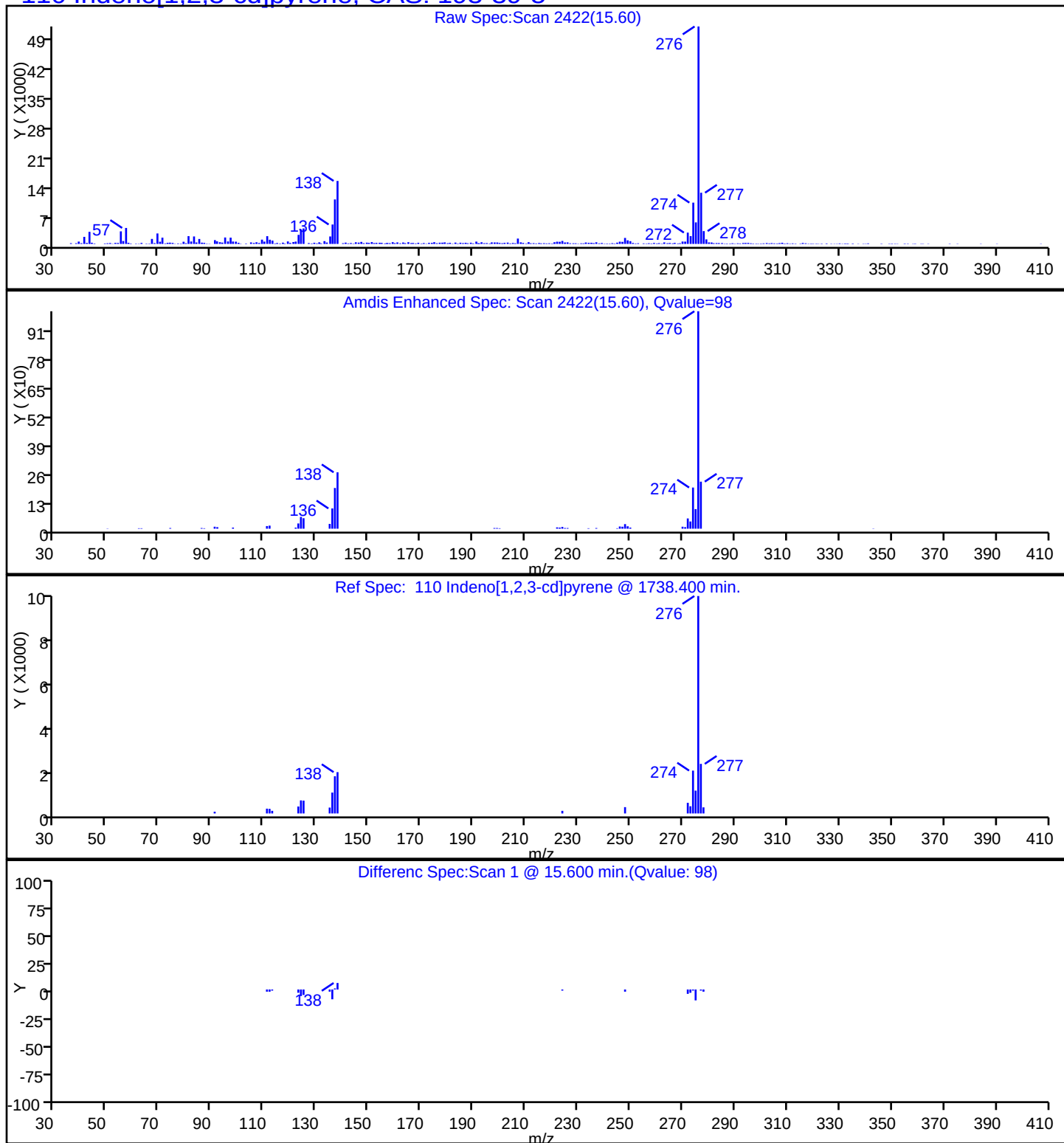
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35688.D

Injection Date: 24-Aug-2015 12:11:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-18-A

Lab Sample ID: 460-99997-18

Client ID: ES-18

Operator ID:

ALS Bottle#:

20

Worklist Smp#:

20

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_11R_9

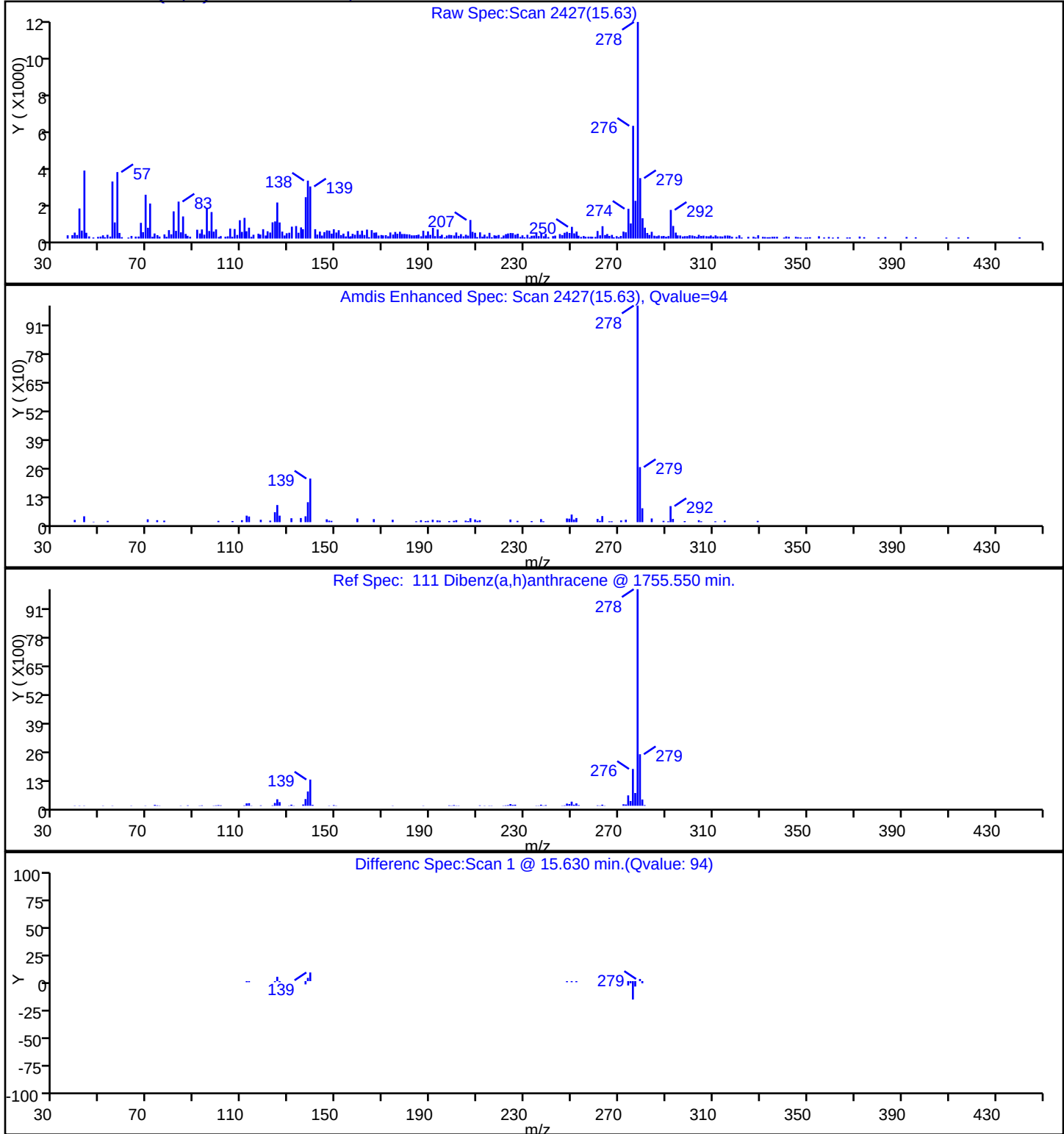
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

111 Dibenz(a,h)anthracene, CAS: 53-70-3

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35688.D

Injection Date: 24-Aug-2015 12:11:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-18-A

Lab Sample ID: 460-99997-18

Client ID: ES-18

Operator ID:

ALS Bottle#: 20

Worklist Smp#: 20

Injection Vol: 1.0 ul

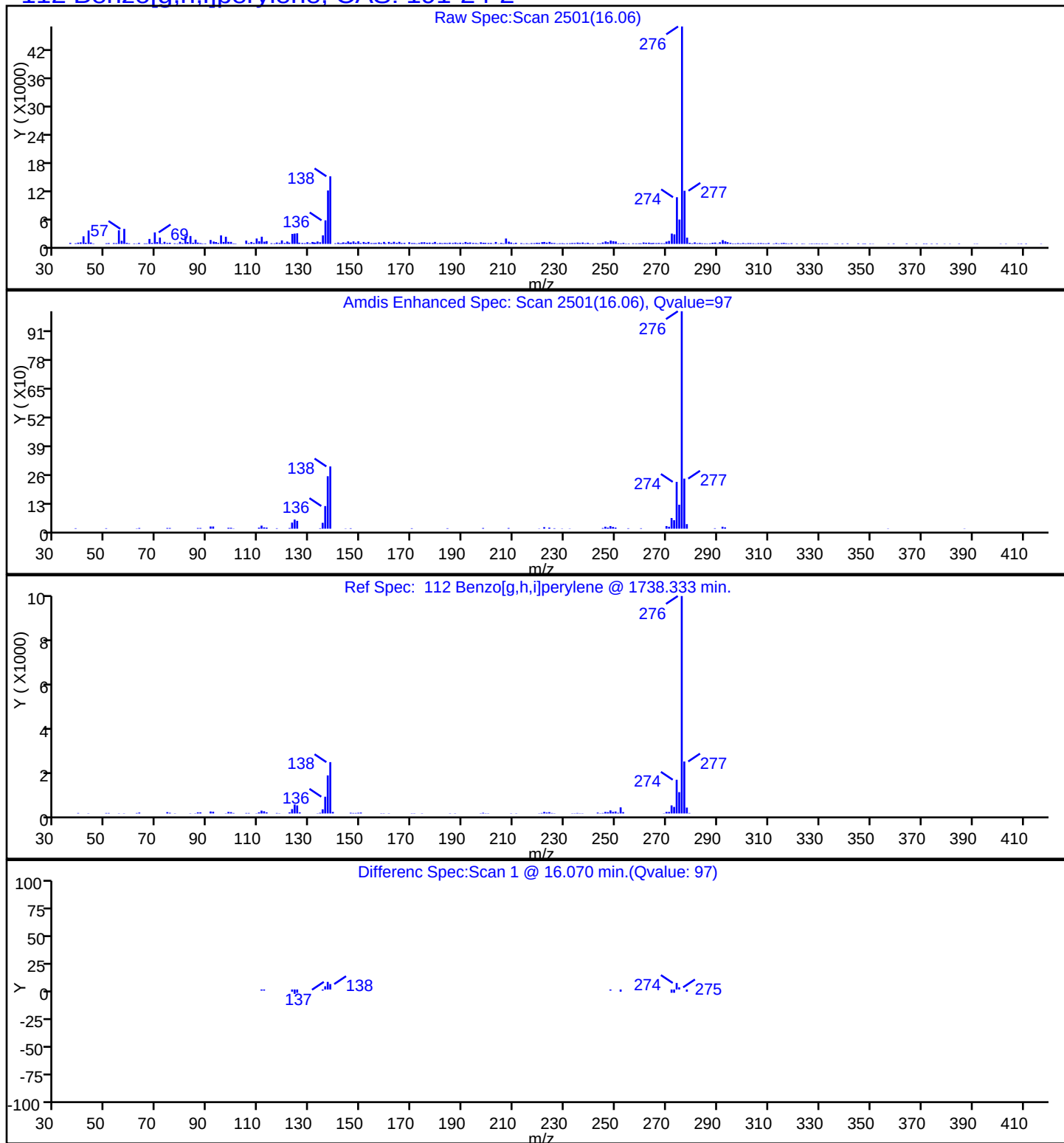
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

112 Benzo[g,h,i]perylene, CAS: 191-24-2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-19</u>	Lab Sample ID: <u>460-99997-19</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z35659.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>08/20/2015 14:37</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>08/21/2015 21:30</u>
Sample wt/vol: <u>15.0128(g)</u>	Date Analyzed: <u>08/22/2015 16:02</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>5</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>17.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318190</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.32	J	2.0	0.051
91-57-6	2-Methylnaphthalene	0.18	J	2.0	0.044
208-96-8	Acenaphthylene	0.051	U	2.0	0.051
83-32-9	Acenaphthene	1.2	J	2.0	0.048
86-73-7	Fluorene	0.98	J	2.0	0.044
85-01-8	Phenanthrene	9.7		2.0	0.053
120-12-7	Anthracene	2.6		2.0	0.19
206-44-0	Fluoranthene	11		2.0	0.059
129-00-0	Pyrene	7.8		2.0	0.091
56-55-3	Benzo[a]anthracene	3.9		0.20	0.17
218-01-9	Chrysene	4.2		2.0	0.054
205-99-2	Benzo[b]fluoranthene	4.1		0.20	0.078
207-08-9	Benzo[k]fluoranthene	1.5		0.20	0.087
50-32-8	Benzo[a]pyrene	3.2		0.20	0.061
193-39-5	Indeno[1,2,3-cd]pyrene	2.9		0.20	0.13
53-70-3	Dibenz(a,h)anthracene	0.77		0.20	0.10
191-24-2	Benzo[g,h,i]perylene	2.4		2.0	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	80		30-130
1718-51-0	Terphenyl-d14	93		30-130
321-60-8	2-Fluorobiphenyl	88		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35659.D
 Lims ID: 460-99997-E-19-A Lab Sample ID: 460-99997-19
 Client ID: ES-19
 Sample Type: Client
 Inject. Date: 22-Aug-2015 16:02:30 ALS Bottle#: 19 Worklist Smp#: 19
 Injection Vol: 1.0 ul Dil. Factor: 5.0000
 Sample Info: 460-0031003-019
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Aug-2015 10:57:56 Calib Date: 19-Aug-2015 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35546.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: szczecha

Date: 24-Aug-2015 10:59:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.406	3.336	0.070	95	75202	7.06	
\$ 6 Phenol-d5	99	4.247	4.259	-0.012	86	76895	6.14	
* 14 1,4-Dichlorobenzene-d4	152	4.624	4.612	0.012	96	332007	40.0	
22 Acetophenone	105	5.018	5.036	-0.018	93	1619	0.1295	
\$ 26 Nitrobenzene-d5	82	5.171	5.183	-0.012	90	79921	7.98	
31 Isophorone	82	5.424	5.453	-0.029	98	14148	0.8702	
* 38 Naphthalene-d8	136	5.900	5.894	0.006	99	1132487	40.0	
39 Naphthalene	128	5.918	5.930	-0.012	99	22016	0.7850	
44 2-Methylnaphthalene	142	6.612	6.618	-0.006	89	8401	0.4550	
\$ 51 2-Fluorobiphenyl	172	6.977	6.983	-0.006	98	156347	8.81	
* 65 Acenaphthene-d10	164	7.659	7.659	0.000	92	480506	40.0	
67 Acenaphthene	154	7.688	7.700	-0.012	93	43548	3.03	
71 Dibenzofuran	168	7.859	7.871	-0.012	96	33492	1.79	
74 Fluorene	166	8.200	8.206	-0.006	96	34986	2.44	
\$ 80 2,4,6-Tribromophenol	330	8.441	8.447	-0.006	93	10721	7.18	
* 87 Phenanthrene-d10	188	9.135	9.129	0.006	99	565646	40.0	
88 Phenanthrene	178	9.153	9.165	-0.012	97	392842	24.1	
89 Anthracene	178	9.206	9.212	-0.006	99	104555	6.37	
90 Carbazole	167	9.359	9.365	-0.006	96	33538	2.52	
92 Fluoranthene	202	10.335	10.341	-0.006	98	338845	27.0	
94 Pyrene	202	10.576	10.576	0.000	98	252481	19.4	
\$ 96 Terphenyl-d14	244	10.729	10.729	0.000	99	73536	9.28	
97 Butyl benzyl phthalate	149	11.265	11.271	-0.006	96	21734	4.80	
101 Benzo[a]anthracene	228	11.970	11.976	-0.006	98	75540	9.57	
* 102 Chrysene-d12	240	11.982	11.982	0.000	99	263532	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.994	11.994	0.000	89	32019	5.43	
103 Chrysene	228	12.017	12.023	-0.006	99	74139	10.5	
106 Benzo[b]fluoranthene	252	13.441	13.447	-0.006	99	76018	10.2	
107 Benzo[k]fluoranthene	252	13.470	13.482	-0.012	61	28632	3.83	
108 Benzo[a]pyrene	252	13.900	13.906	-0.006	97	53101	8.04	
* 109 Perylene-d12	264	13.982	13.982	0.000	98	247908	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.635	15.647	-0.012	98	36767	7.29	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
111 Dibenz(a,h)anthracene	278	15.664	15.676	-0.012	42	9713	1.90	
112 Benzo[g,h,i]perylene	276	16.105	16.117	-0.012	96	32834	6.00	

Reagents:

SM_ISTD_00091

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35659.D

Injection Date: 22-Aug-2015 16:02:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: 460-99997-E-19-A

Lab Sample ID: 460-99997-19

Worklist Smp#: 19

Client ID: ES-19

Injection Vol: 1.0 ul

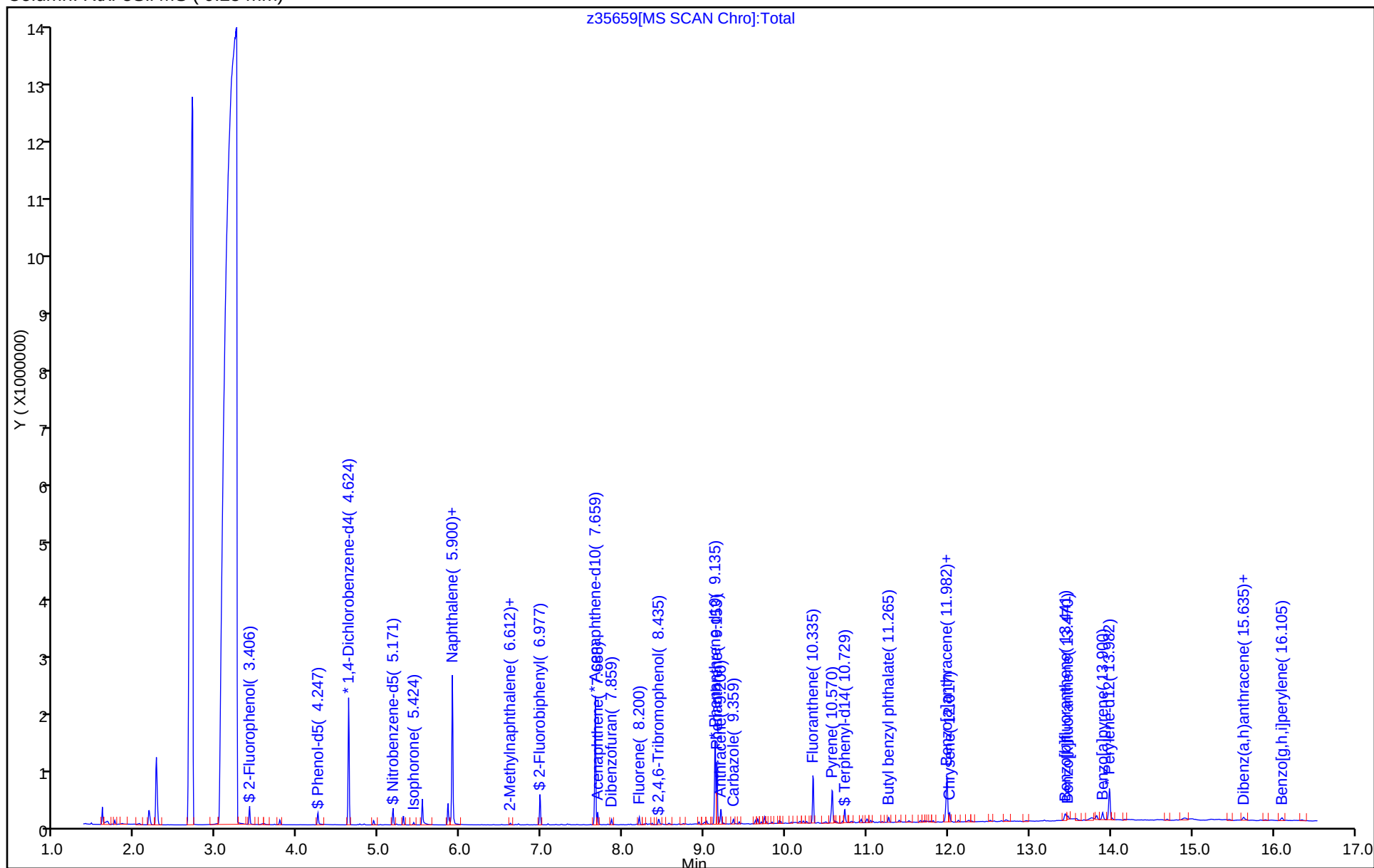
Dil. Factor: 5.0000

ALS Bottle#: 19

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35659.D

Injection Date: 22-Aug-2015 16:02:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-19-A

Lab Sample ID: 460-99997-19

Client ID: ES-19

Operator ID:

ALS Bottle#: 19 Worklist Smp#: 19

Injection Vol: 1.0 ul

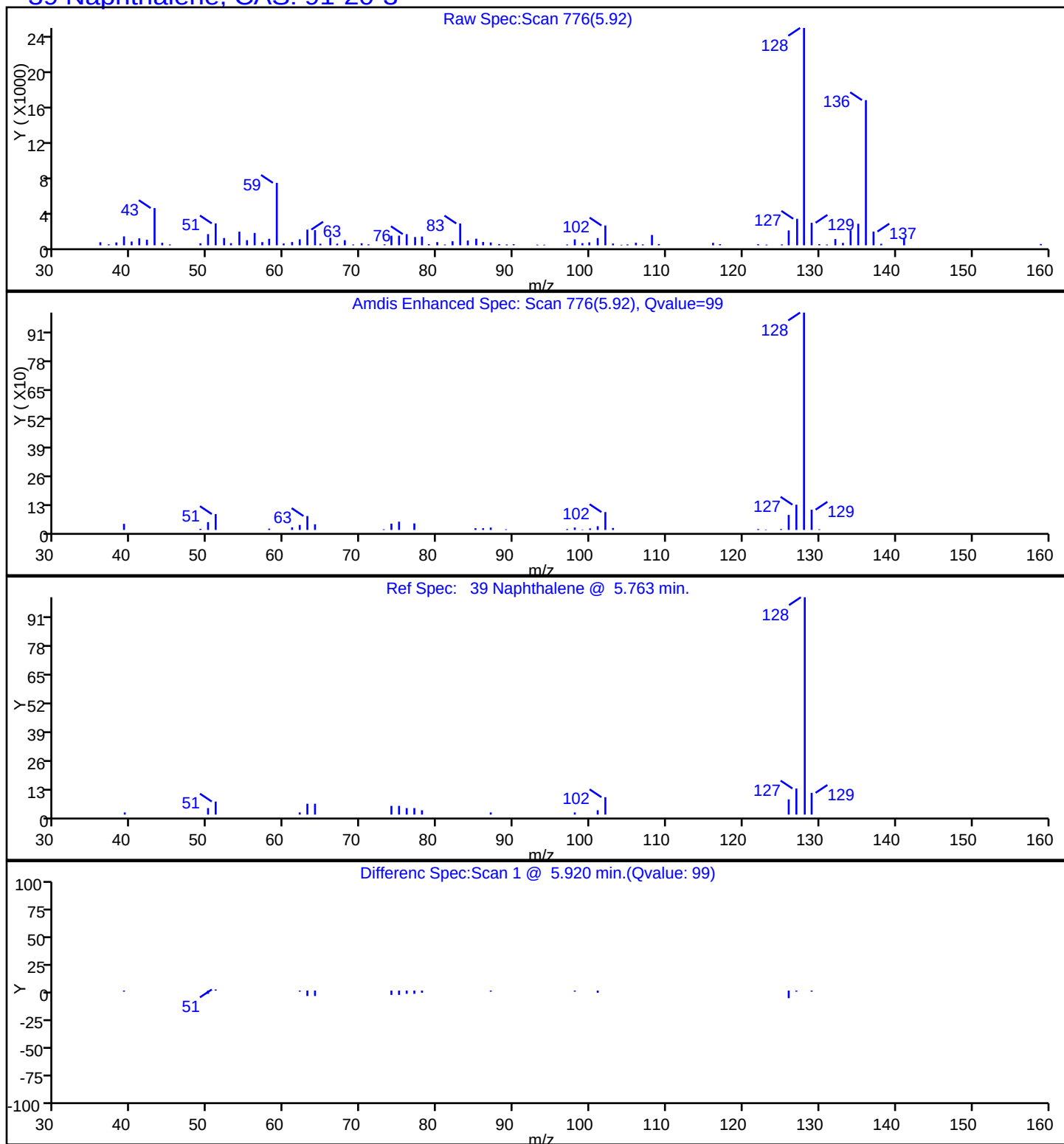
Dil. Factor: 5.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector MS SCAN

39 Naphthalene, CAS: 91-20-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35659.D

Injection Date: 22-Aug-2015 16:02:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-19-A

Lab Sample ID: 460-99997-19

Client ID: ES-19

Operator ID:

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 1.0 ul

Dil. Factor: 5.0000

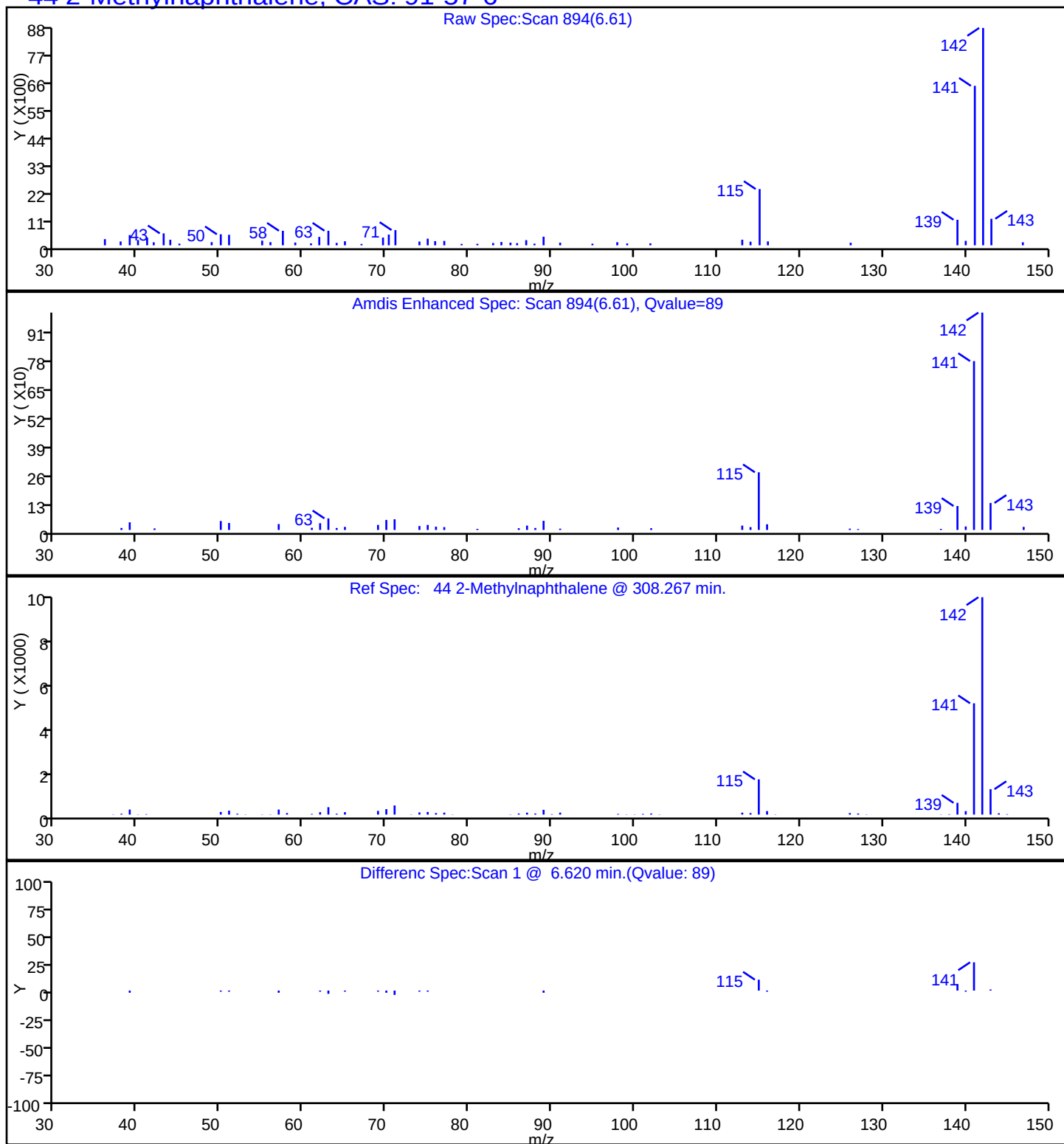
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

44 2-Methylnaphthalene, CAS: 91-57-6



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35659.D

Injection Date: 22-Aug-2015 16:02:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-19-A

Lab Sample ID: 460-99997-19

Client ID: ES-19

Operator ID:

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 1.0 ul

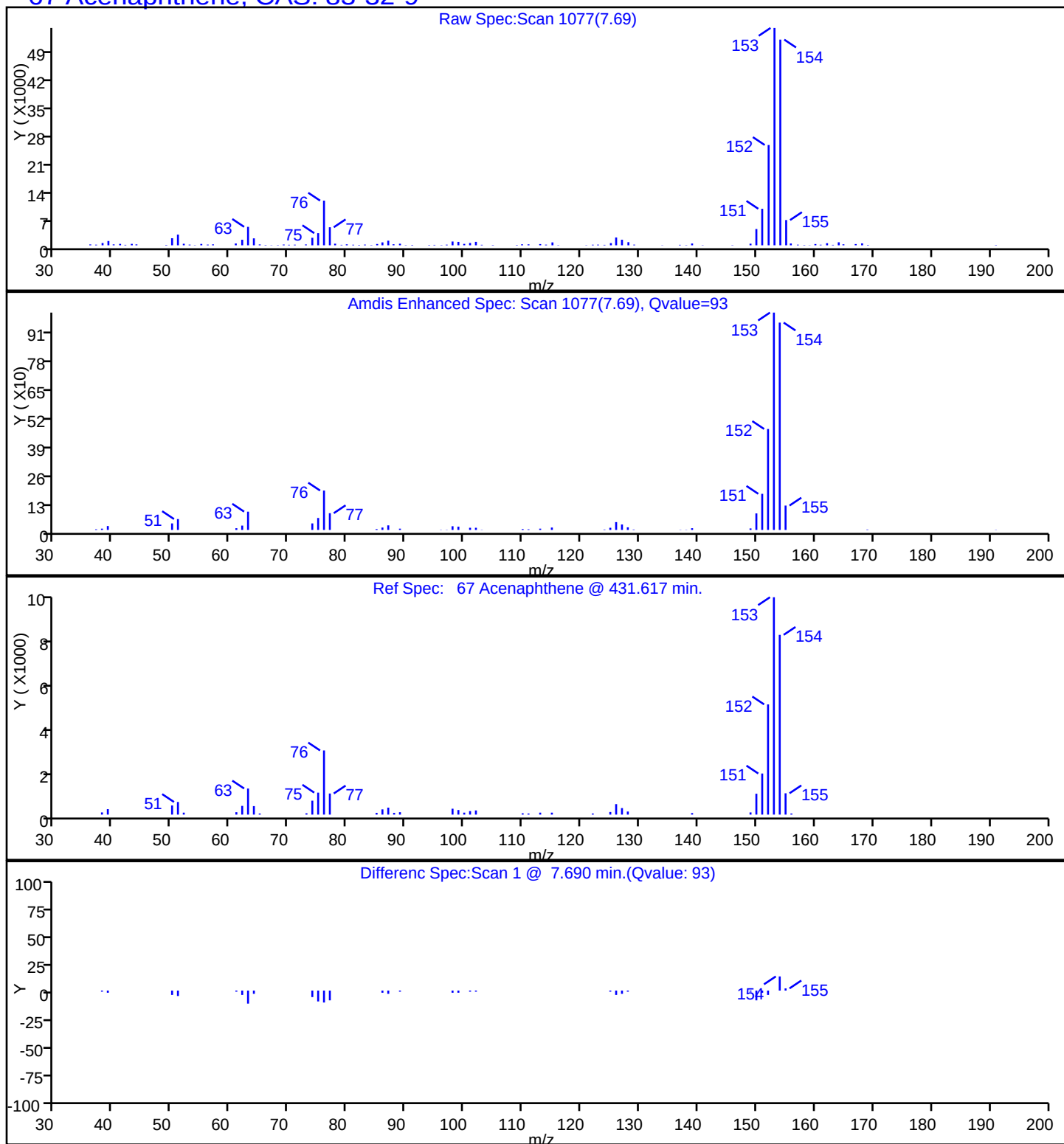
Dil. Factor: 5.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

67 Acenaphthene, CAS: 83-32-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35659.D

Injection Date: 22-Aug-2015 16:02:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-19-A

Lab Sample ID: 460-99997-19

Client ID: ES-19

Operator ID:

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 1.0 ul

Dil. Factor: 5.0000

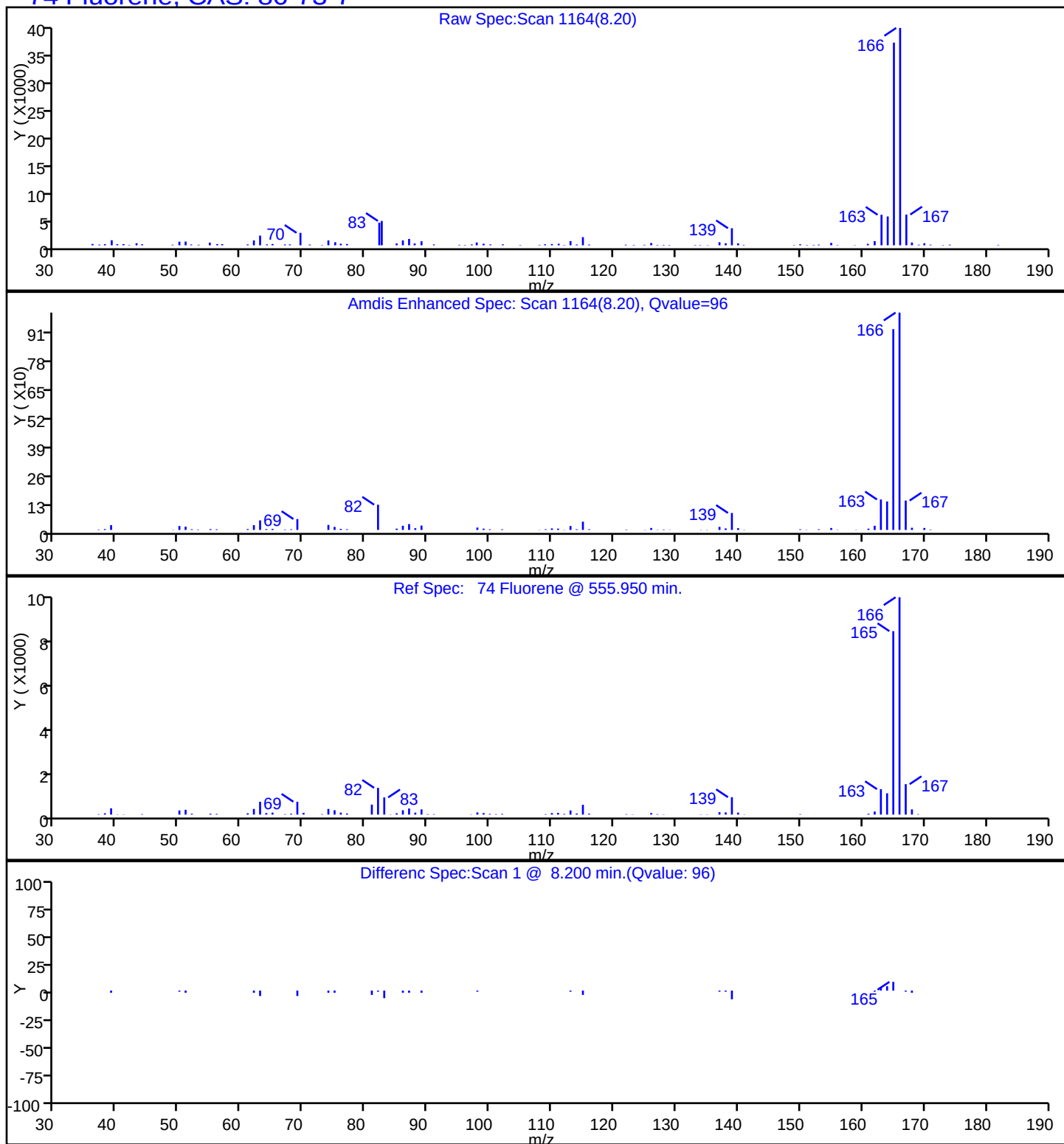
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

74 Fluorene, CAS: 86-73-7



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35659.D

Injection Date: 22-Aug-2015 16:02:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-19-A

Lab Sample ID: 460-99997-19

Client ID: ES-19

Operator ID:

ALS Bottle#: 19 Worklist Smp#: 19

Injection Vol: 1.0 ul

Dil. Factor: 5.0000

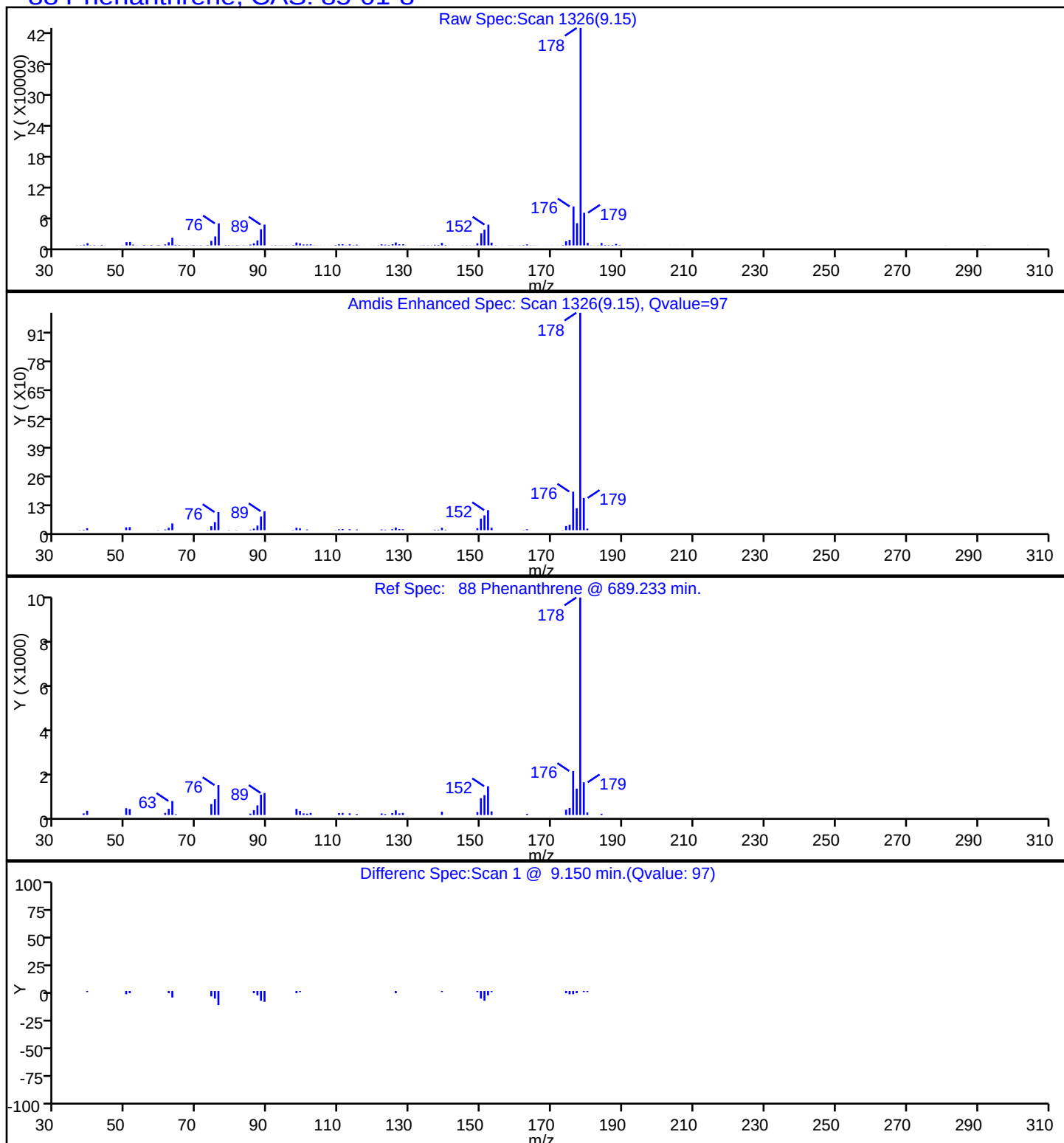
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

88 Phenanthrene, CAS: 85-01-8



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35659.D

Injection Date: 22-Aug-2015 16:02:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-19-A

Lab Sample ID: 460-99997-19

Client ID: ES-19

Operator ID:

ALS Bottle#: 19 Worklist Smp#: 19

Injection Vol: 1.0 ul

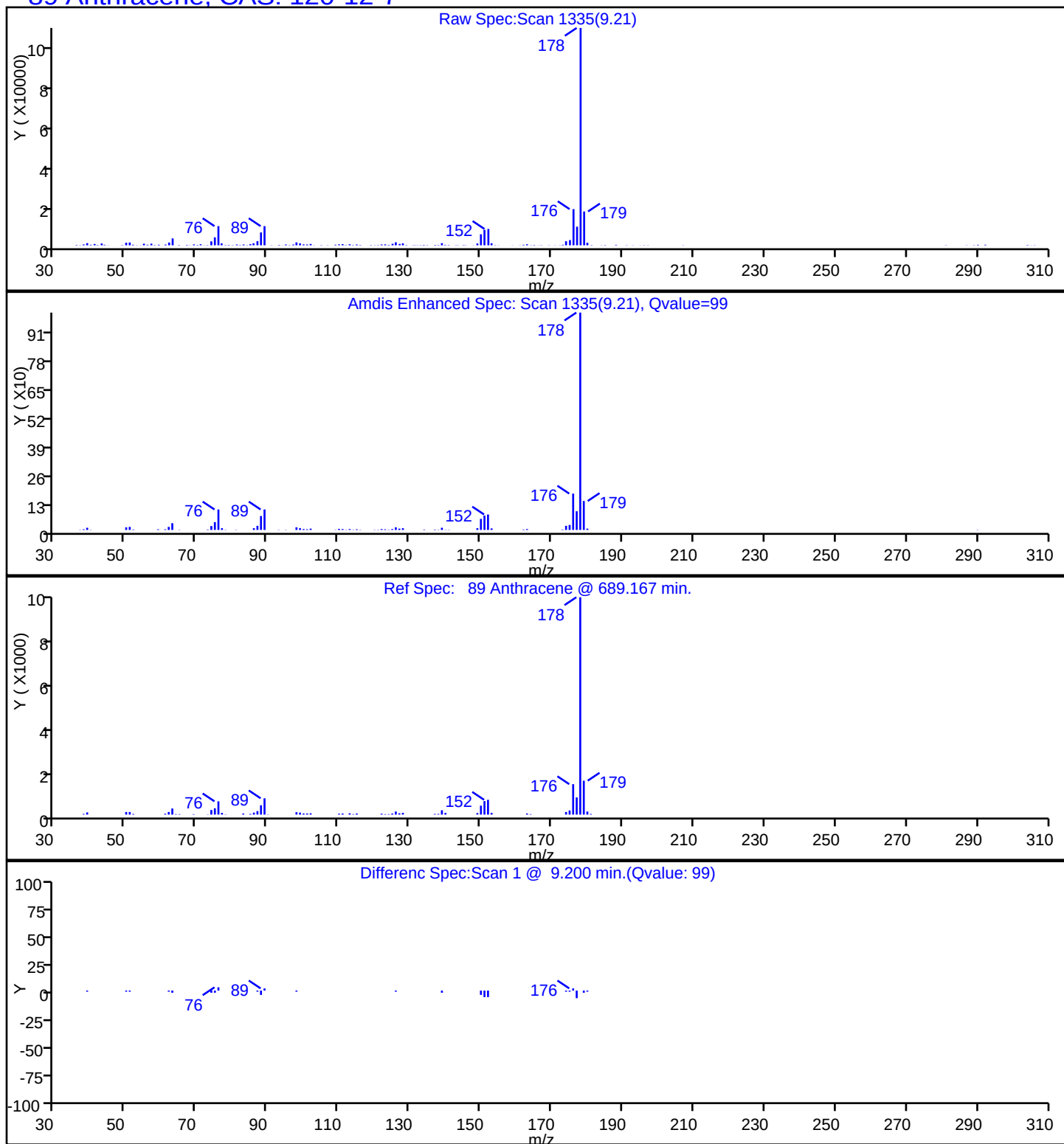
Dil. Factor: 5.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

89 Anthracene, CAS: 120-12-7

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35659.D

Injection Date: 22-Aug-2015 16:02:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-19-A

Lab Sample ID: 460-99997-19

Client ID: ES-19

Operator ID:

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 1.0 ul

Dil. Factor: 5.0000

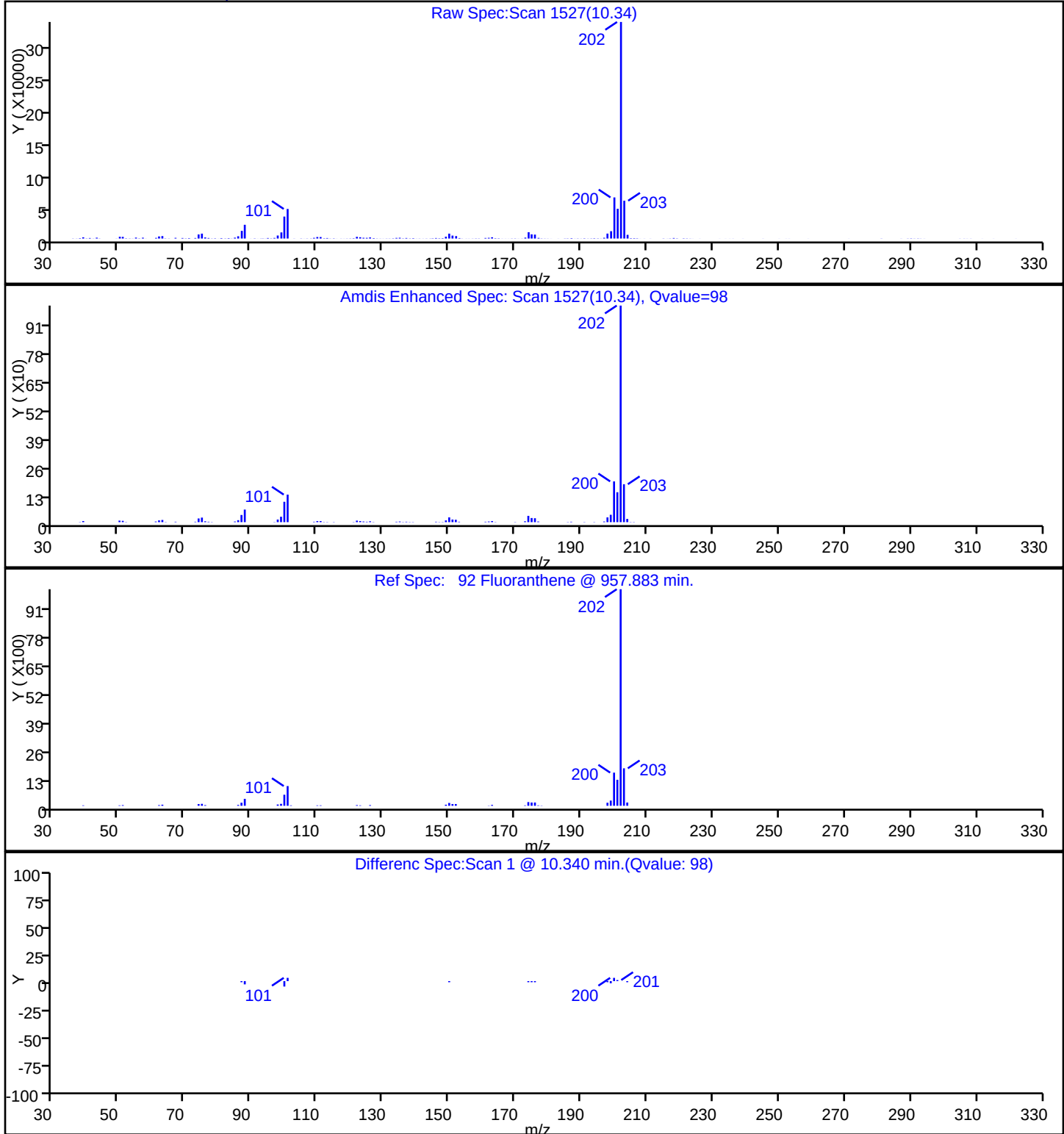
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

92 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35659.D

Injection Date: 22-Aug-2015 16:02:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-19-A

Lab Sample ID: 460-99997-19

Client ID: ES-19

Operator ID:

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 1.0 ul

Dil. Factor: 5.0000

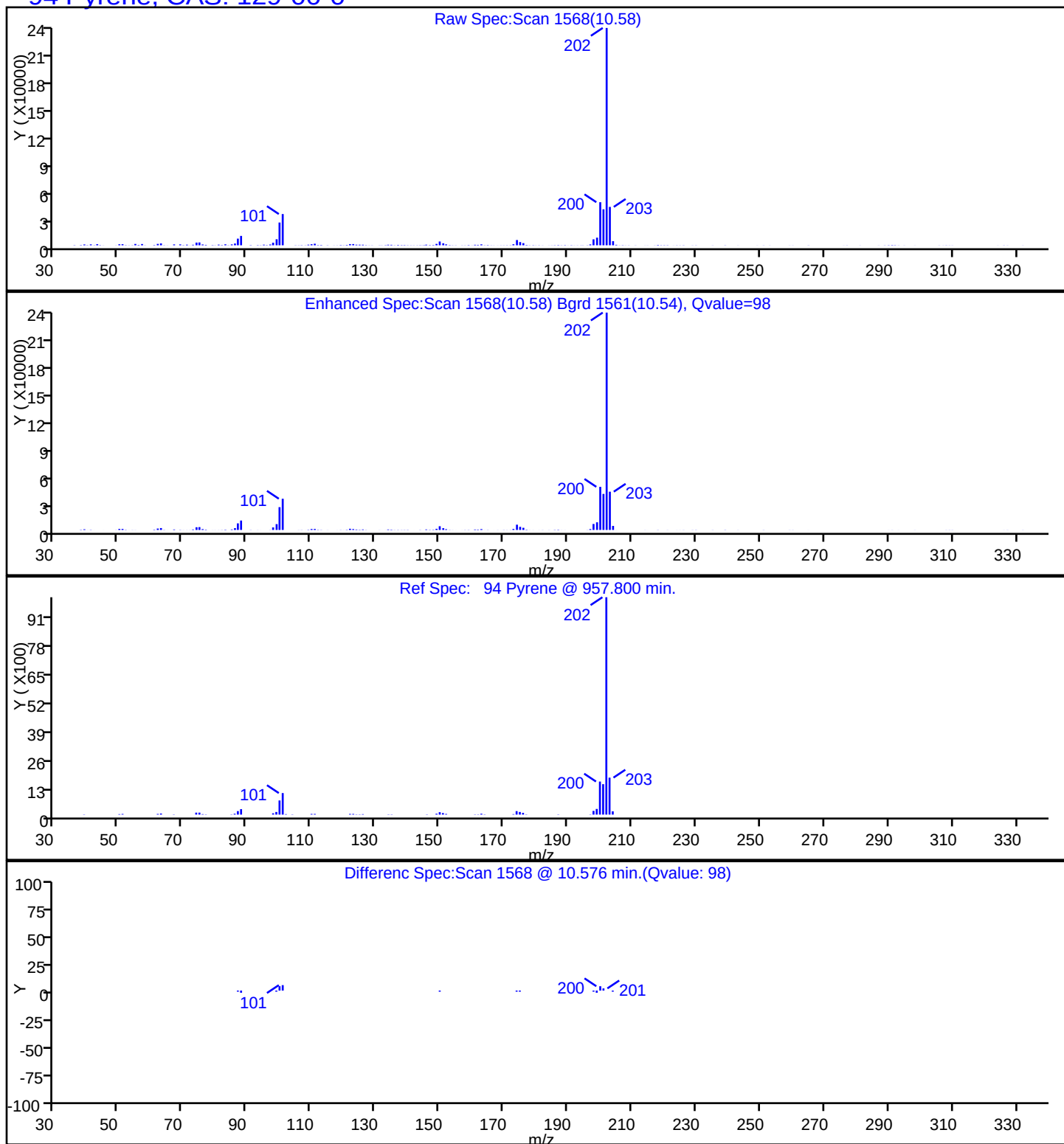
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

94 Pyrene, CAS: 129-00-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35659.D

Injection Date: 22-Aug-2015 16:02:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-19-A

Lab Sample ID: 460-99997-19

Client ID: ES-19

Operator ID:

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 1.0 ul

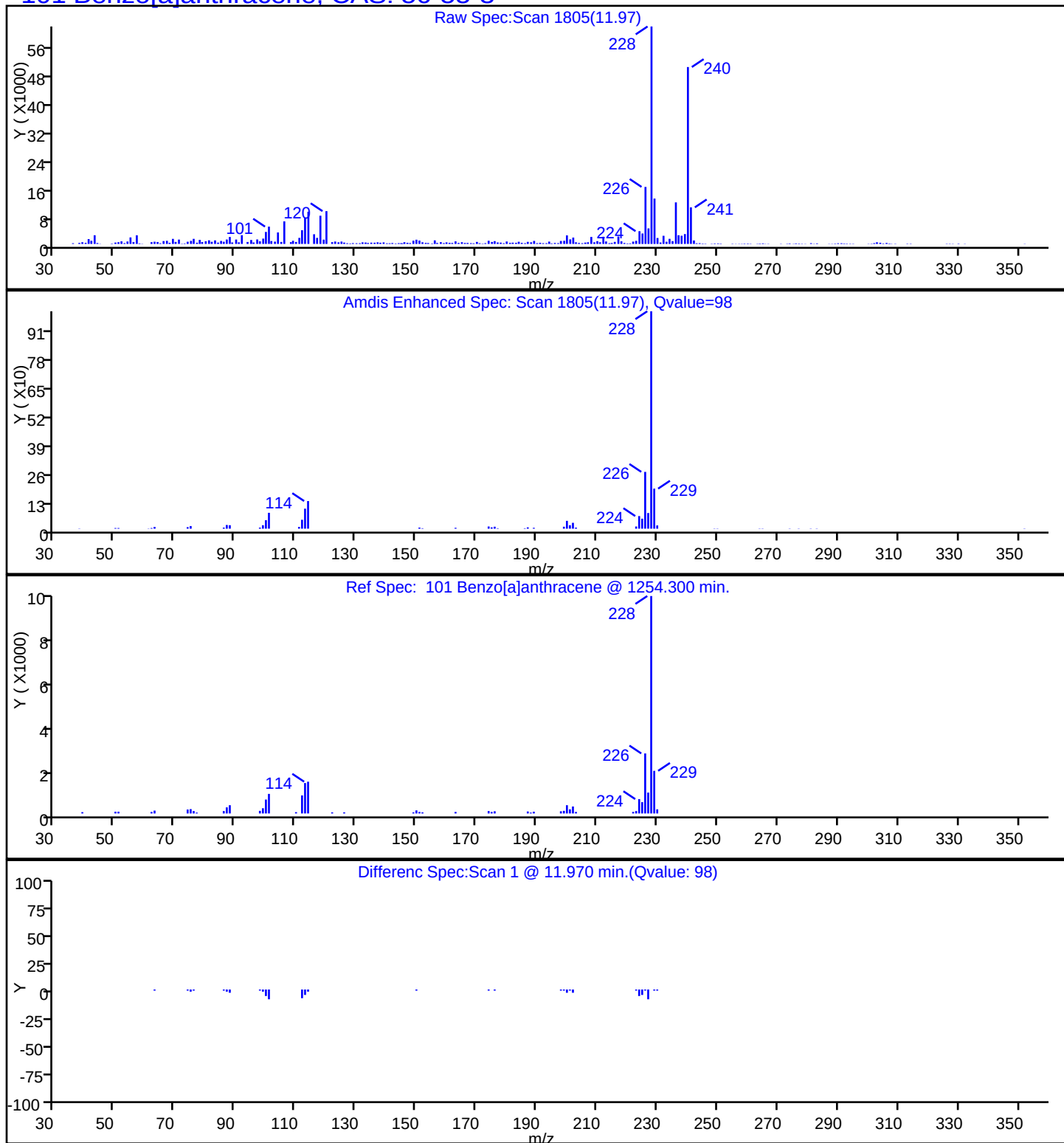
Dil. Factor: 5.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

101 Benzo[a]anthracene, CAS: 56-55-3

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35659.D

Injection Date: 22-Aug-2015 16:02:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-19-A

Lab Sample ID: 460-99997-19

Client ID: ES-19

Operator ID:

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 1.0 ul

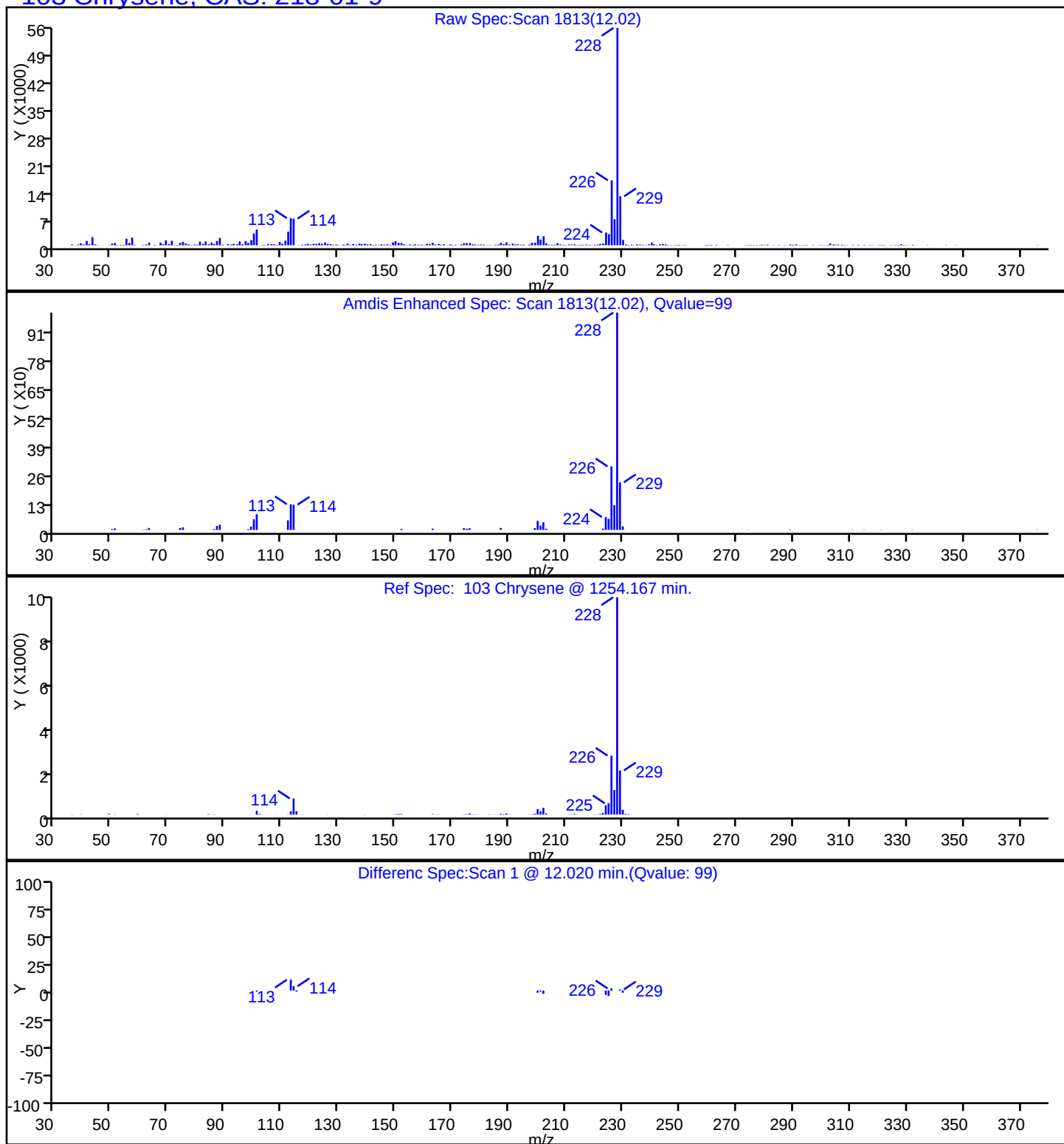
Dil. Factor: 5.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

103 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35659.D

Injection Date: 22-Aug-2015 16:02:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-19-A

Lab Sample ID: 460-99997-19

Client ID: ES-19

Operator ID:

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 1.0 ul

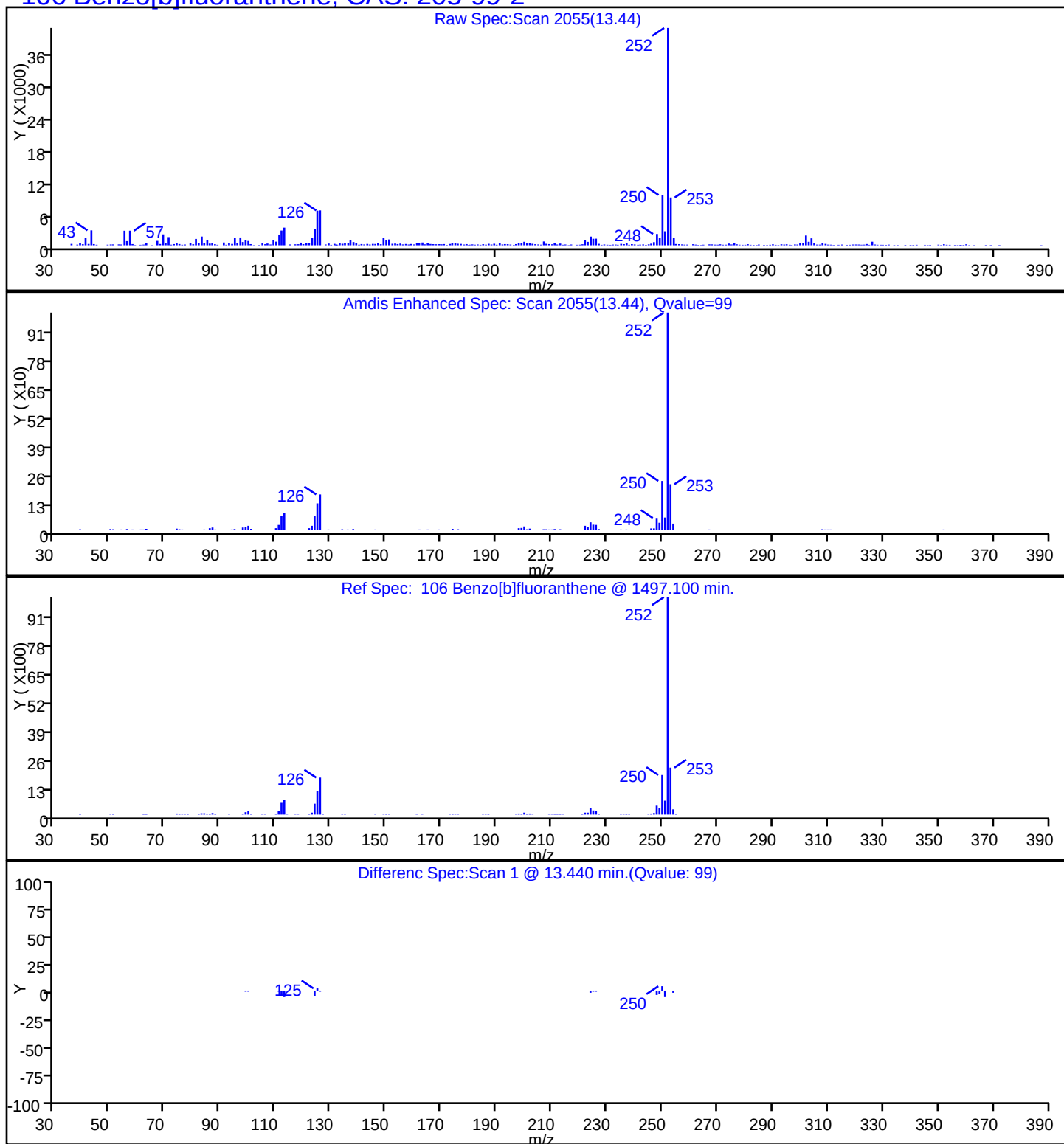
Dil. Factor: 5.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

106 Benzo[b]fluoranthene, CAS: 205-99-2

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35659.D

Injection Date: 22-Aug-2015 16:02:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-19-A

Lab Sample ID: 460-99997-19

Client ID: ES-19

Operator ID:

ALS Bottle#:

19

Worklist Smp#:

19

Injection Vol: 1.0 ul

Dil. Factor:

5.0000

Method: 8270_11R_9

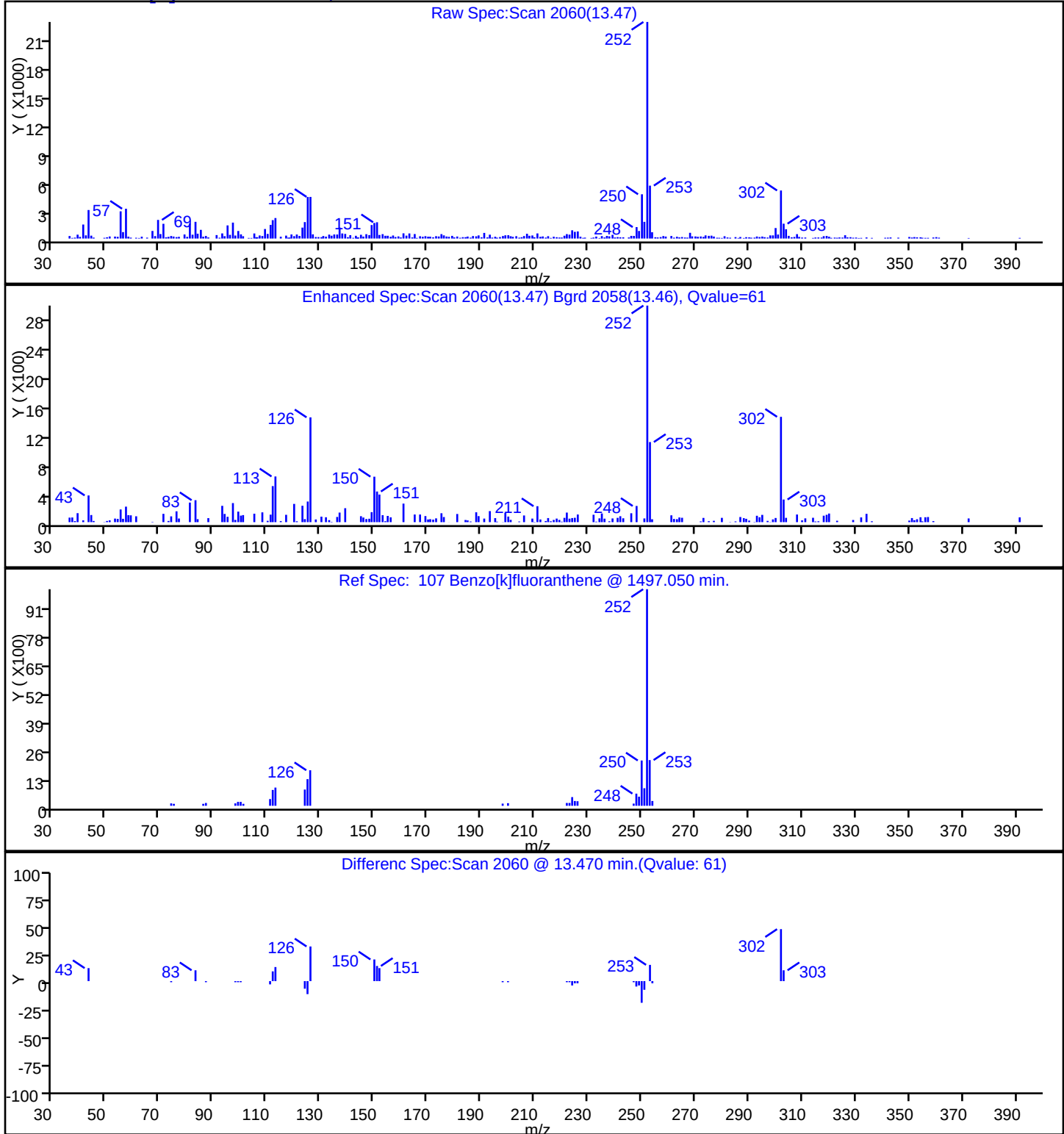
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

107 Benzo[k]fluoranthene, CAS: 207-08-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35659.D

Injection Date: 22-Aug-2015 16:02:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-19-A

Lab Sample ID: 460-99997-19

Client ID: ES-19

Operator ID:

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 1.0 ul

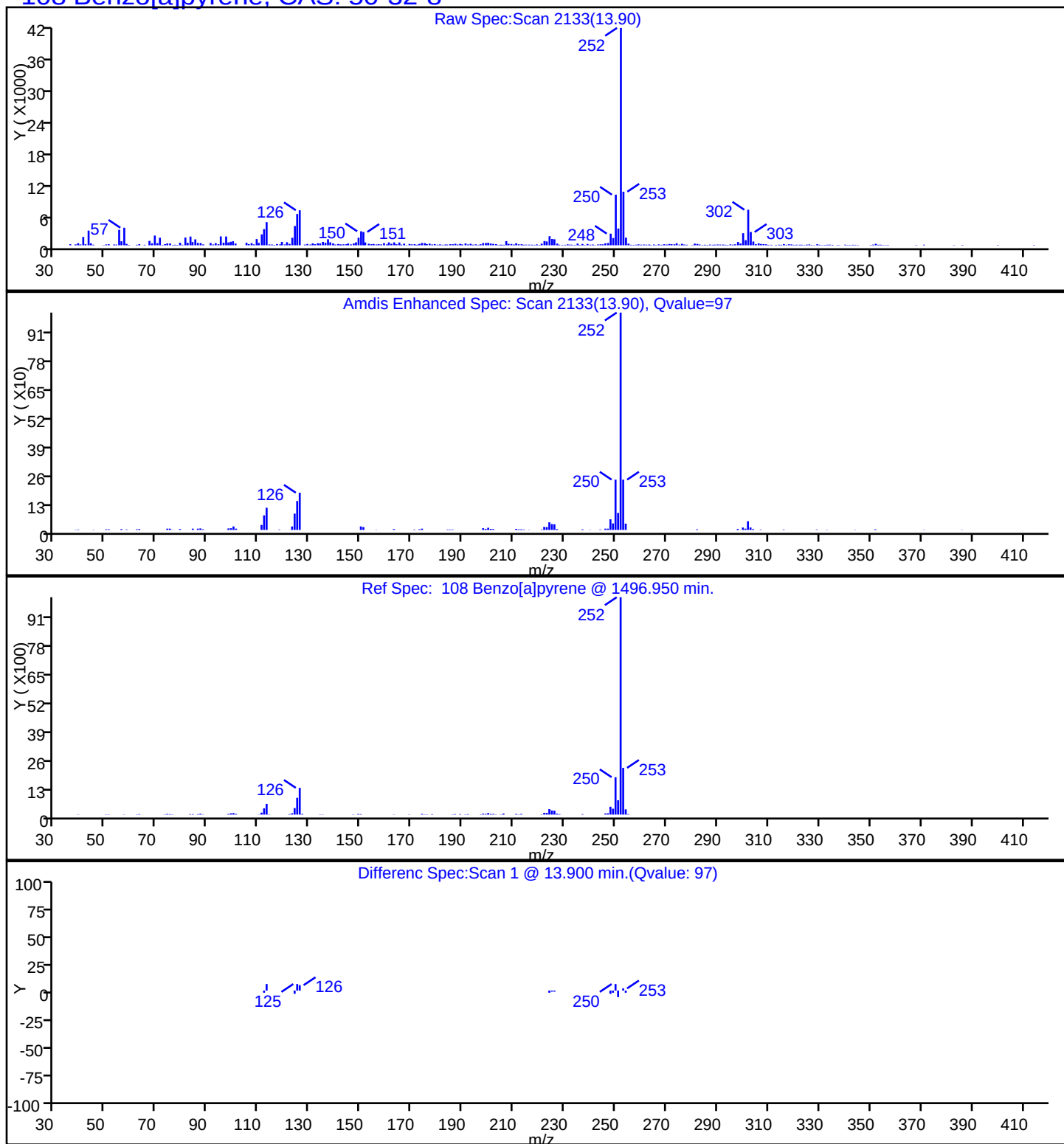
Dil. Factor: 5.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

108 Benzo[a]pyrene, CAS: 50-32-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35659.D

Injection Date: 22-Aug-2015 16:02:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-19-A

Lab Sample ID: 460-99997-19

Client ID: ES-19

Operator ID:

ALS Bottle#:

Worklist Smp#: 19

Injection Vol: 1.0 ul

Dil. Factor:

5.0000

Method: 8270_11R_9

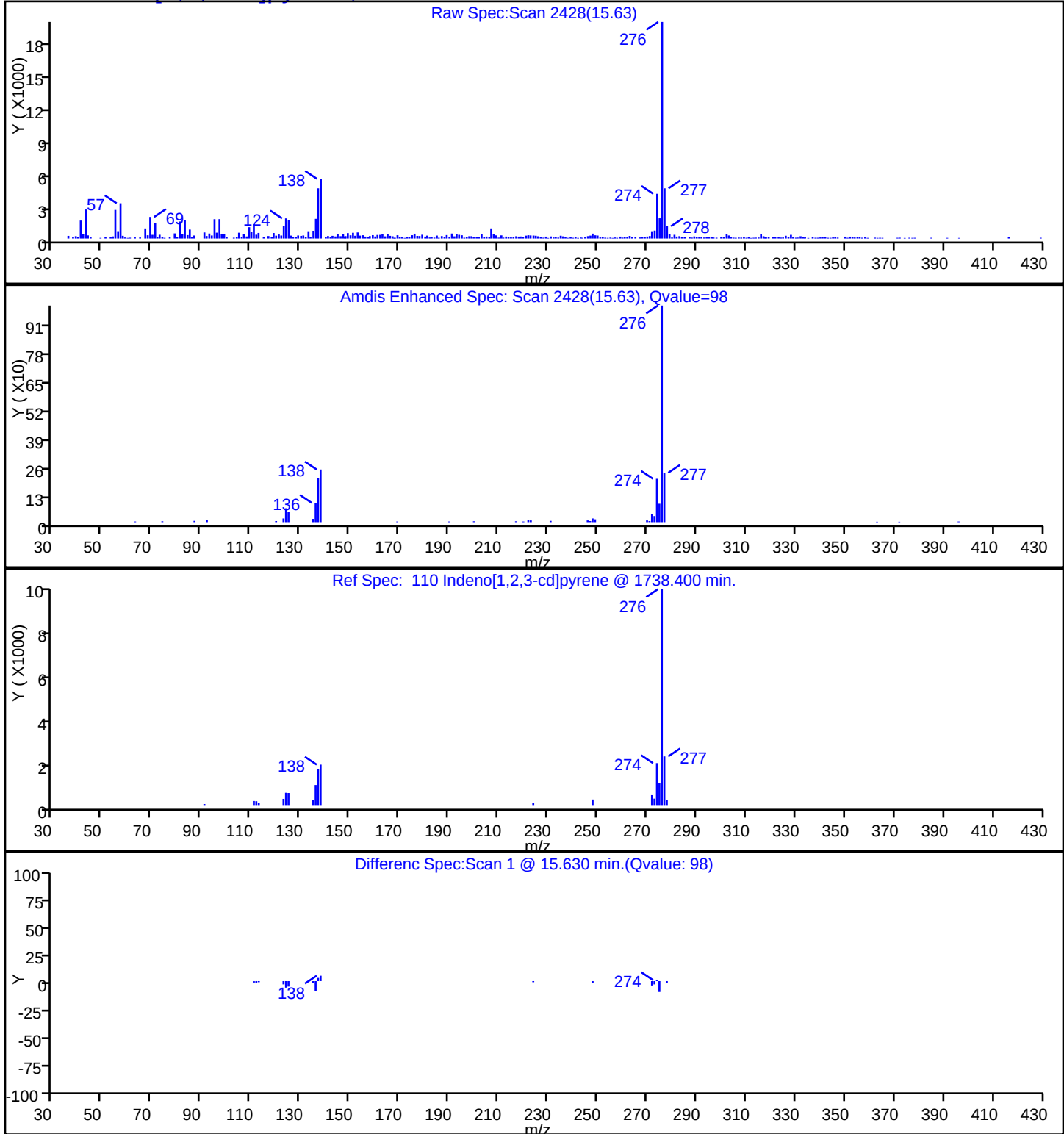
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35659.D

Injection Date: 22-Aug-2015 16:02:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-19-A

Lab Sample ID: 460-99997-19

Client ID: ES-19

Operator ID:

ALS Bottle#: 19 Worklist Smp#: 19

Injection Vol: 1.0 ul

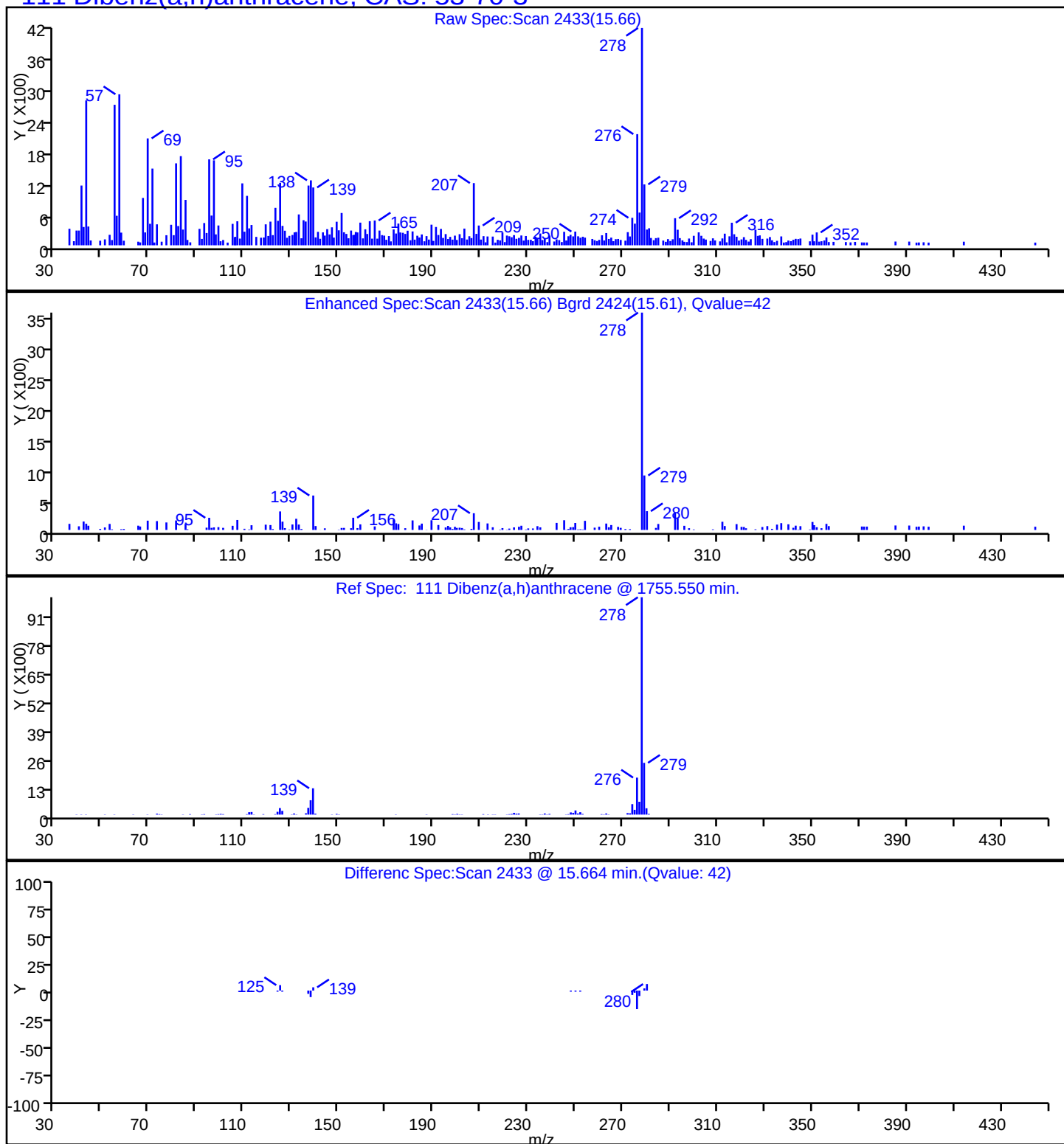
Dil. Factor: 5.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

111 Dibenz(a,h)anthracene, CAS: 53-70-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35659.D

Injection Date: 22-Aug-2015 16:02:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-19-A

Lab Sample ID: 460-99997-19

Client ID: ES-19

Operator ID:

ALS Bottle#:

Worklist Smp#: 19

Injection Vol: 1.0 ul

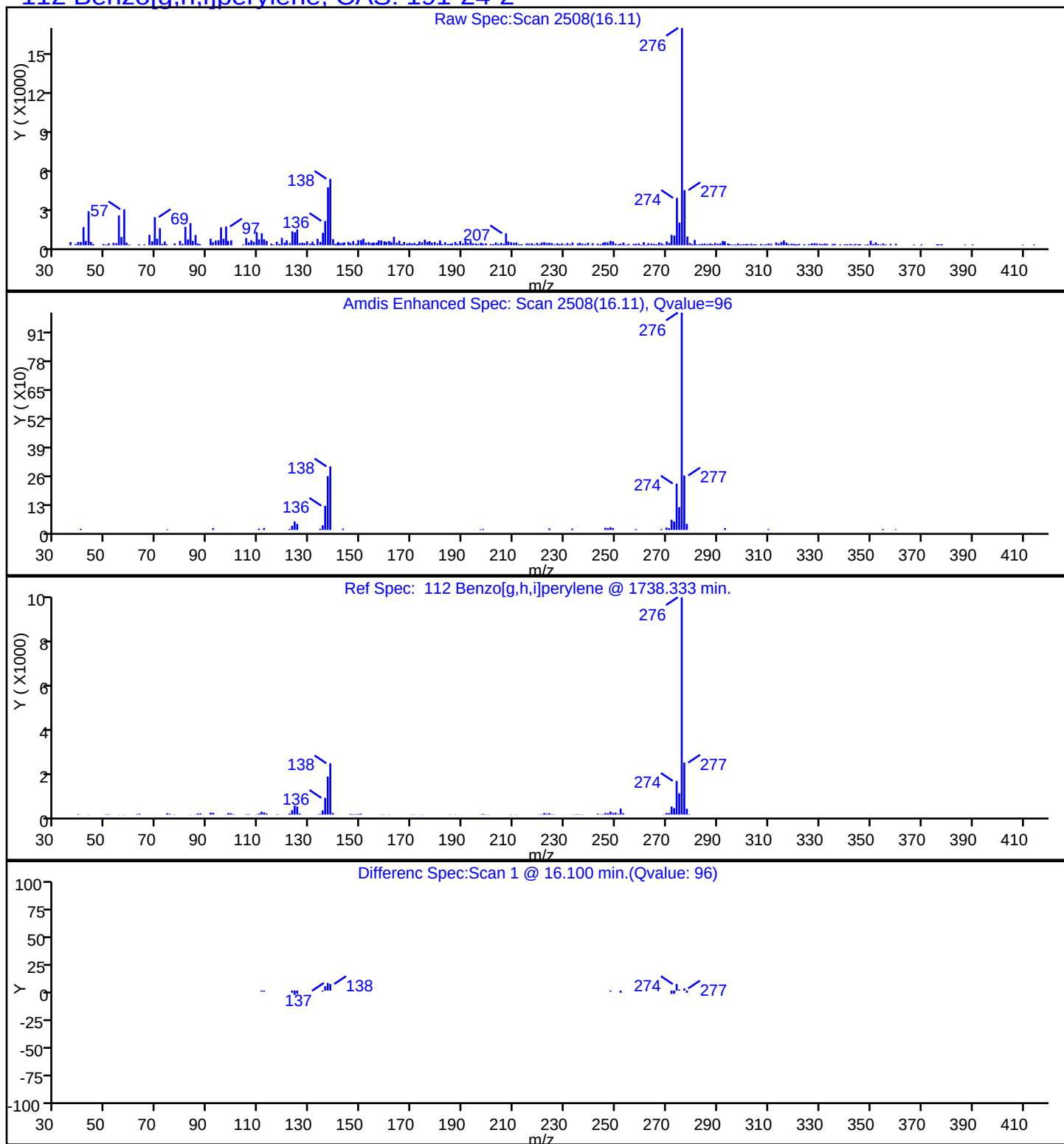
Dil. Factor: 5.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

112 Benzo[g,h,i]perylene, CAS: 191-24-2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-20</u>	Lab Sample ID: <u>460-99997-20</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z35657.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>08/20/2015 14:50</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>08/21/2015 21:30</u>
Sample wt/vol: <u>15.0312(g)</u>	Date Analyzed: <u>08/22/2015 15:16</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>14.9</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318190</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.18	J	0.39	0.0098
91-57-6	2-Methylnaphthalene	0.17	J	0.39	0.0086
208-96-8	Acenaphthylene	0.025	J	0.39	0.010
83-32-9	Acenaphthene	0.24	J	0.39	0.0094
86-73-7	Fluorene	0.25	J	0.39	0.0084
85-01-8	Phenanthrene	2.7		0.39	0.010
120-12-7	Anthracene	0.54		0.39	0.037
206-44-0	Fluoranthene	2.6		0.39	0.011
129-00-0	Pyrene	2.0		0.39	0.018
56-55-3	Benzo[a]anthracene	1.0		0.039	0.032
218-01-9	Chrysene	1.0		0.39	0.011
205-99-2	Benzo[b]fluoranthene	1.1		0.039	0.015
207-08-9	Benzo[k]fluoranthene	0.41		0.039	0.017
50-32-8	Benzo[a]pyrene	0.84		0.039	0.012
193-39-5	Indeno[1,2,3-cd]pyrene	0.80		0.039	0.026
53-70-3	Dibenz(a,h)anthracene	0.20		0.039	0.020
191-24-2	Benzo[g,h,i]perylene	0.69		0.39	0.022

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	77		30-130
1718-51-0	Terphenyl-d14	91		30-130
321-60-8	2-Fluorobiphenyl	83		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35657.D
 Lims ID: 460-99997-E-20-A Lab Sample ID: 460-99997-20
 Client ID: ES-20
 Sample Type: Client
 Inject. Date: 22-Aug-2015 15:16:30 ALS Bottle#: 17 Worklist Smp#: 17
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031003-017
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Aug-2015 10:57:56 Calib Date: 19-Aug-2015 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35546.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: szczecha

Date: 24-Aug-2015 10:57:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.583	3.336	0.247	96	455859	33.8	
\$ 6 Phenol-d5	99	4.289	4.259	0.030	86	561641	35.5	
* 14 1,4-Dichlorobenzene-d4	152	4.647	4.612	0.035	96	420132	40.0	
22 Acetophenone	105	5.030	5.036	-0.006	94	4437	0.2804	
\$ 26 Nitrobenzene-d5	82	5.183	5.183	0.000	91	487608	38.5	
31 Isophorone	82	5.430	5.453	-0.023	98	99702	4.85	
* 38 Naphthalene-d8	136	5.900	5.894	0.006	99	1431164	40.0	
39 Naphthalene	128	5.924	5.930	-0.006	99	79638	2.25	
44 2-Methylnaphthalene	142	6.612	6.618	-0.006	87	51598	2.21	
\$ 51 2-Fluorobiphenyl	172	6.983	6.983	-0.001	99	1001640	41.6	
52 1,1'-Biphenyl	154	7.077	7.088	-0.011	94	12098	0.4491	
63 Acenaphthylene	152	7.512	7.524	-0.012	96	9546	0.3167	
* 65 Acenaphthene-d10	164	7.659	7.659	0.000	92	651842	40.0	
67 Acenaphthene	154	7.688	7.700	-0.012	94	59407	3.05	
71 Dibenzofuran	168	7.859	7.871	-0.012	96	63687	2.51	
74 Fluorene	166	8.200	8.206	-0.006	96	62029	3.18	
\$ 80 2,4,6-Tribromophenol	330	8.441	8.447	-0.006	94	91595	45.2	
* 87 Phenanthrene-d10	188	9.135	9.129	0.006	98	767101	40.0	
88 Phenanthrene	178	9.159	9.165	-0.006	97	761590	34.5	
89 Anthracene	178	9.206	9.212	-0.006	99	153208	6.89	
90 Carbazole	167	9.359	9.365	-0.006	95	64399	3.57	
91 Di-n-butyl phthalate	149	9.688	9.694	-0.006	97	7297	0.3588	
92 Fluoranthene	202	10.335	10.341	-0.006	98	566505	33.3	
94 Pyrene	202	10.576	10.576	0.000	98	431413	25.7	
\$ 96 Terphenyl-d14	244	10.729	10.729	0.000	99	465243	45.5	
97 Butyl benzyl phthalate	149	11.265	11.271	-0.006	97	87370	15.0	
101 Benzo[a]anthracene	228	11.970	11.976	-0.006	99	132913	13.1	
* 102 Chrysene-d12	240	11.988	11.982	0.006	99	340016	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.994	11.994	0.000	91	353559	46.5	
103 Chrysene	228	12.017	12.023	-0.006	99	117085	12.9	
106 Benzo[b]fluoranthene	252	13.441	13.447	-0.006	98	121643	13.6	
107 Benzo[k]fluoranthene	252	13.476	13.482	-0.006	17	46933	5.24	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
108 Benzo[a]pyrene	252	13.900	13.906	-0.006	97	85318	10.8	
* 109 Perylene-d12	264	13.988	13.982	0.006	97	297278	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.635	15.647	-0.012	99	61560	10.2	
111 Dibenz(a,h)anthracene	278	15.670	15.676	-0.006	94	15925	2.60	
112 Benzo[g,h,i]perylene	276	16.105	16.117	-0.012	97	58025	8.85	

Reagents:

SM_ISTD_00091

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35657.D

Injection Date: 22-Aug-2015 15:16:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: 460-99997-E-20-A

Lab Sample ID: 460-99997-20

Worklist Smp#: 17

Client ID: ES-20

Injection Vol: 1.0 ul

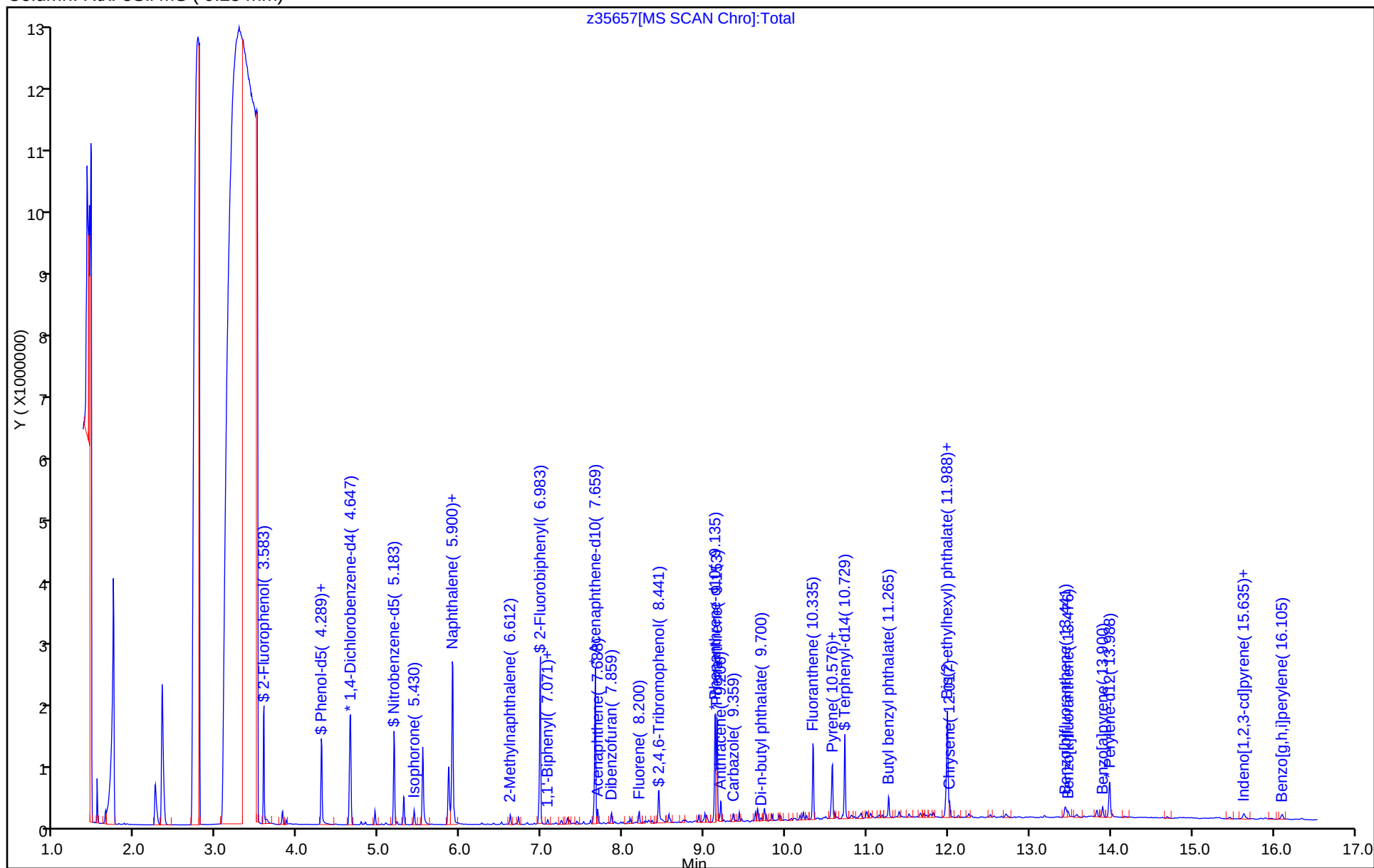
Dil. Factor: 1.0000

ALS Bottle#: 17

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35657.D

Injection Date: 22-Aug-2015 15:16:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-20-A

Lab Sample ID: 460-99997-20

Client ID: ES-20

Operator ID:

ALS Bottle#: 17 Worklist Smp#: 17

Injection Vol: 1.0 ul

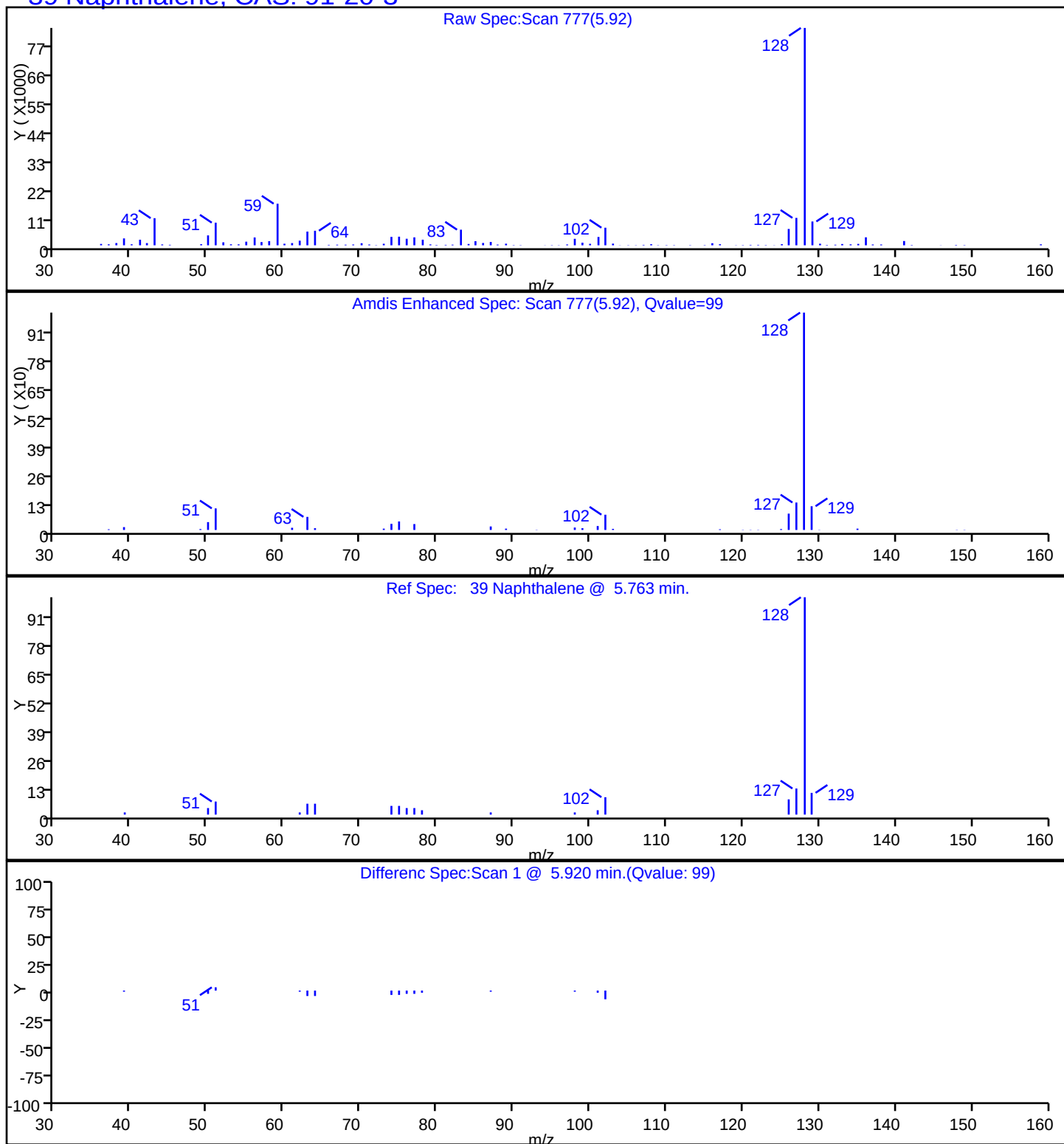
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

39 Naphthalene, CAS: 91-20-3

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35657.D

Injection Date: 22-Aug-2015 15:16:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-20-A

Lab Sample ID: 460-99997-20

Client ID: ES-20

Operator ID:

ALS Bottle#: 17

Worklist Smp#: 17

Injection Vol: 1.0 ul

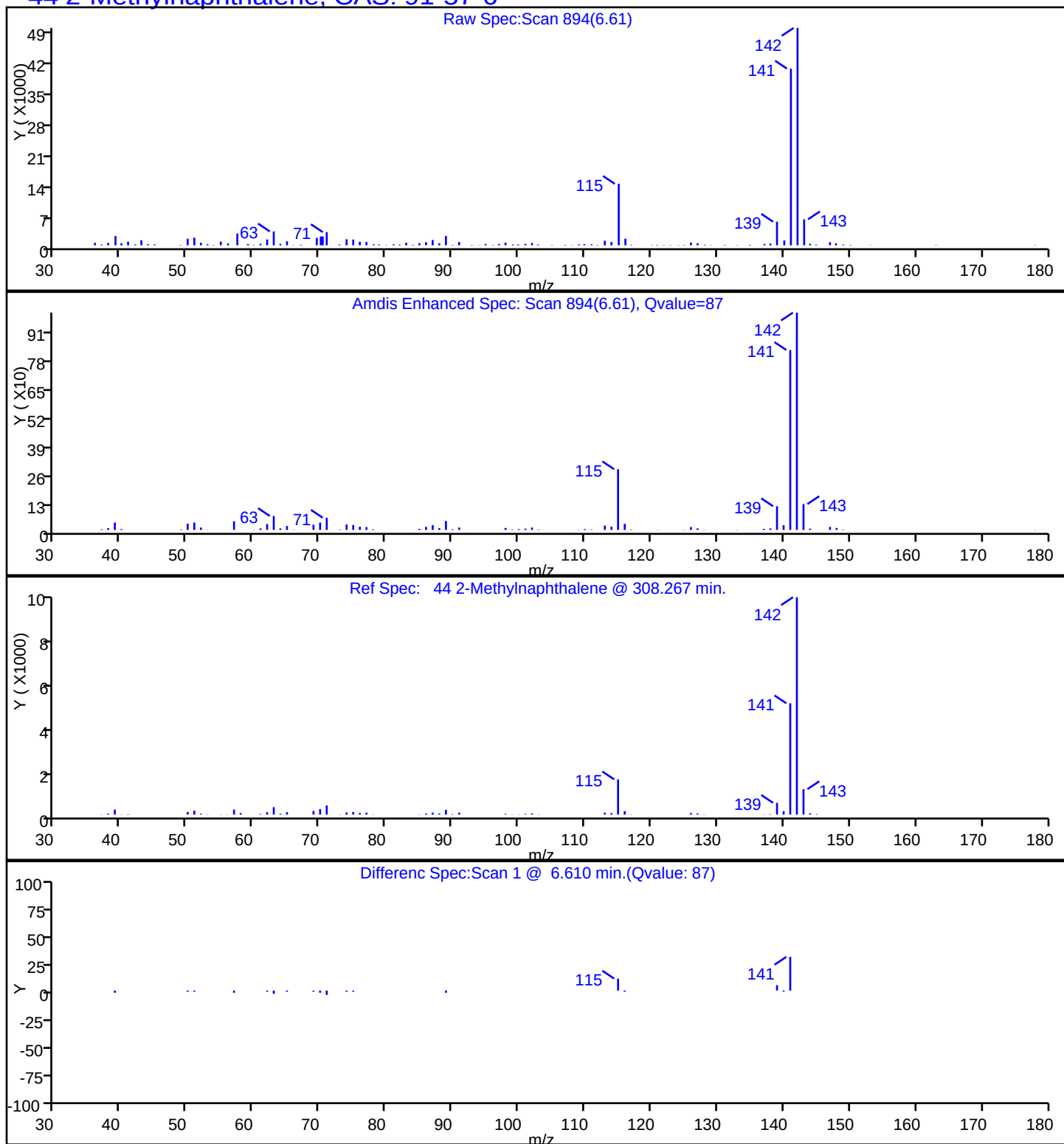
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

44 2-Methylnaphthalene, CAS: 91-57-6

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35657.D

Injection Date: 22-Aug-2015 15:16:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-20-A

Lab Sample ID: 460-99997-20

Client ID: ES-20

Operator ID:

ALS Bottle#:

Worklist Smp#: 17

Injection Vol: 1.0 ul

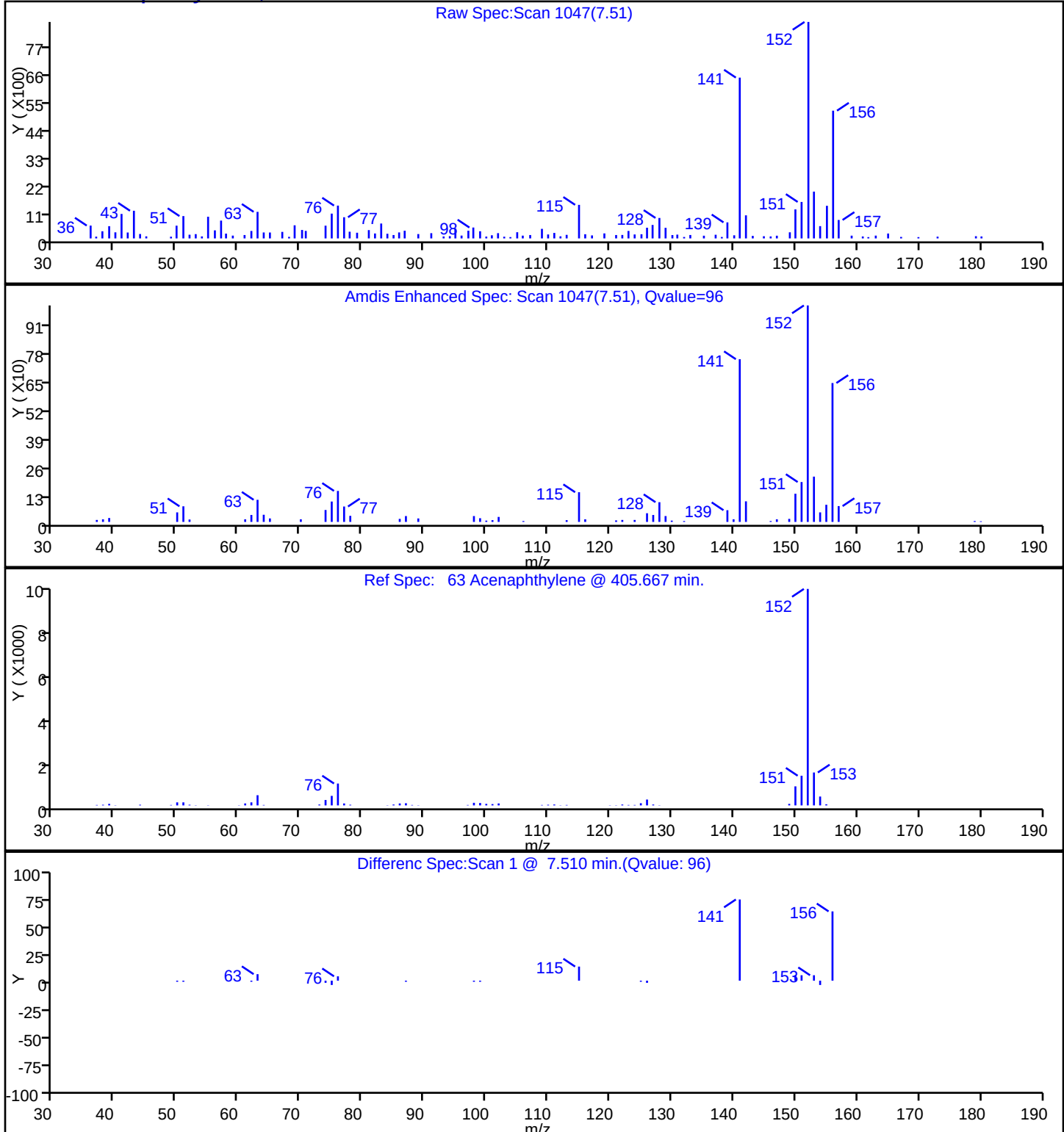
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

63 Acenaphthylene, CAS: 208-96-8

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35657.D

Injection Date: 22-Aug-2015 15:16:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-20-A

Lab Sample ID: 460-99997-20

Client ID: ES-20

Operator ID:

ALS Bottle#: 17

Worklist Smp#: 17

Injection Vol: 1.0 ul

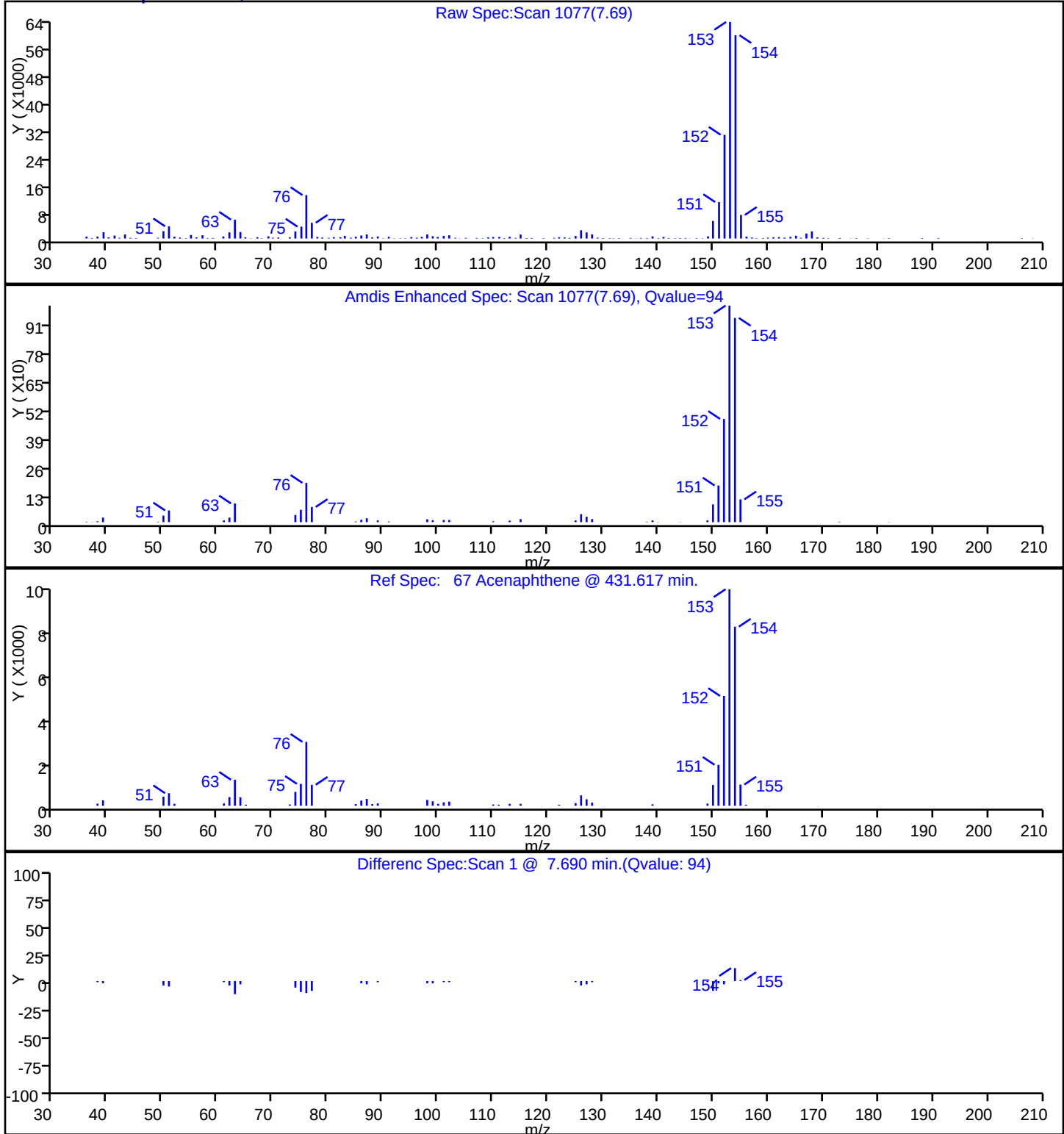
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

67 Acenaphthene, CAS: 83-32-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35657.D

Injection Date: 22-Aug-2015 15:16:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-20-A

Lab Sample ID: 460-99997-20

Client ID: ES-20

Operator ID:

ALS Bottle#: 17

Worklist Smp#: 17

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

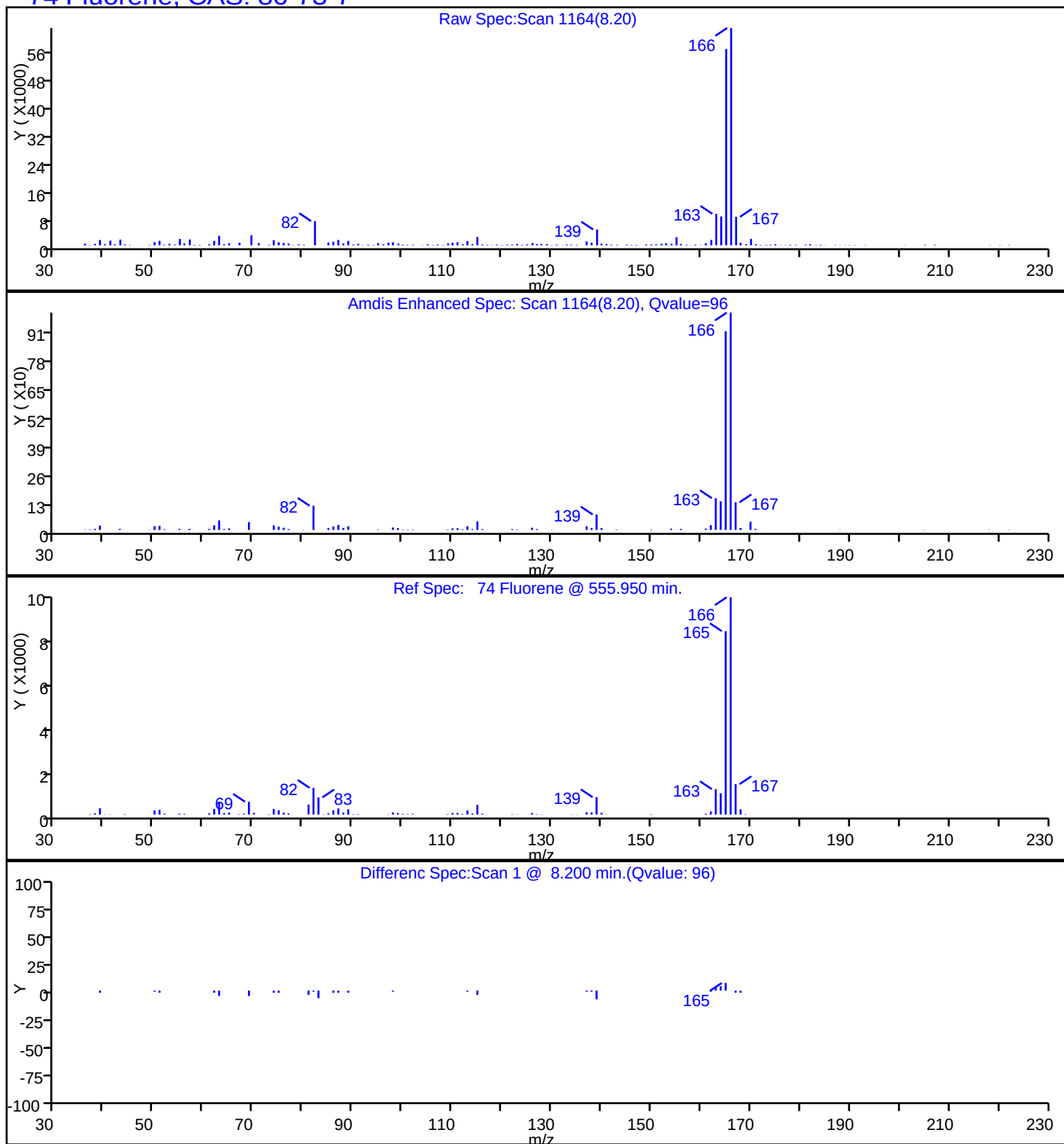
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

74 Fluorene, CAS: 86-73-7



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35657.D

Injection Date: 22-Aug-2015 15:16:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-20-A

Lab Sample ID: 460-99997-20

Client ID: ES-20

Operator ID:

ALS Bottle#: 17

Worklist Smp#: 17

Injection Vol: 1.0 ul

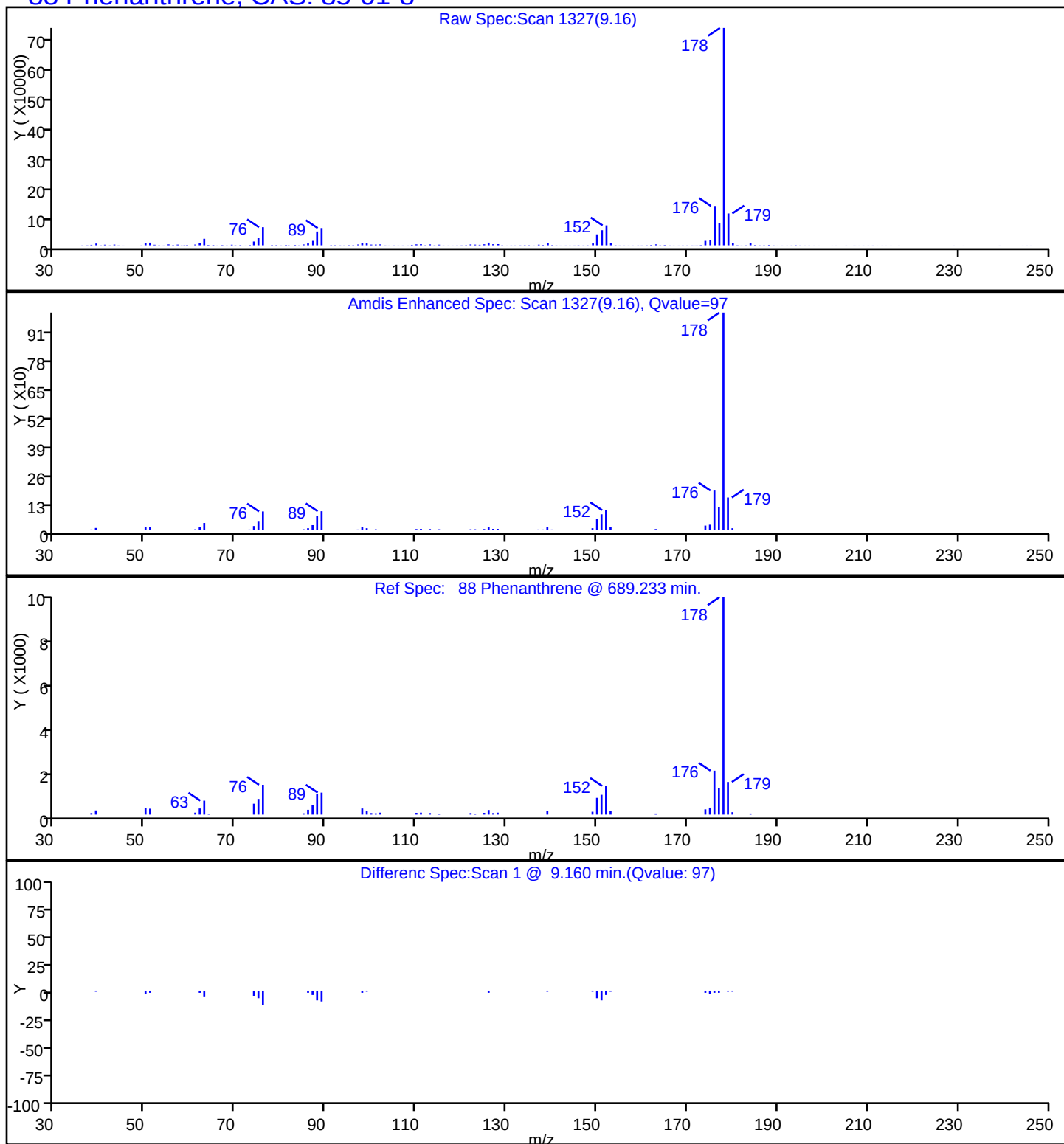
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

88 Phenanthrene, CAS: 85-01-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35657.D

Injection Date: 22-Aug-2015 15:16:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-20-A

Lab Sample ID: 460-99997-20

Client ID: ES-20

Operator ID:

ALS Bottle#: 17

Worklist Smp#: 17

Injection Vol: 1.0 ul

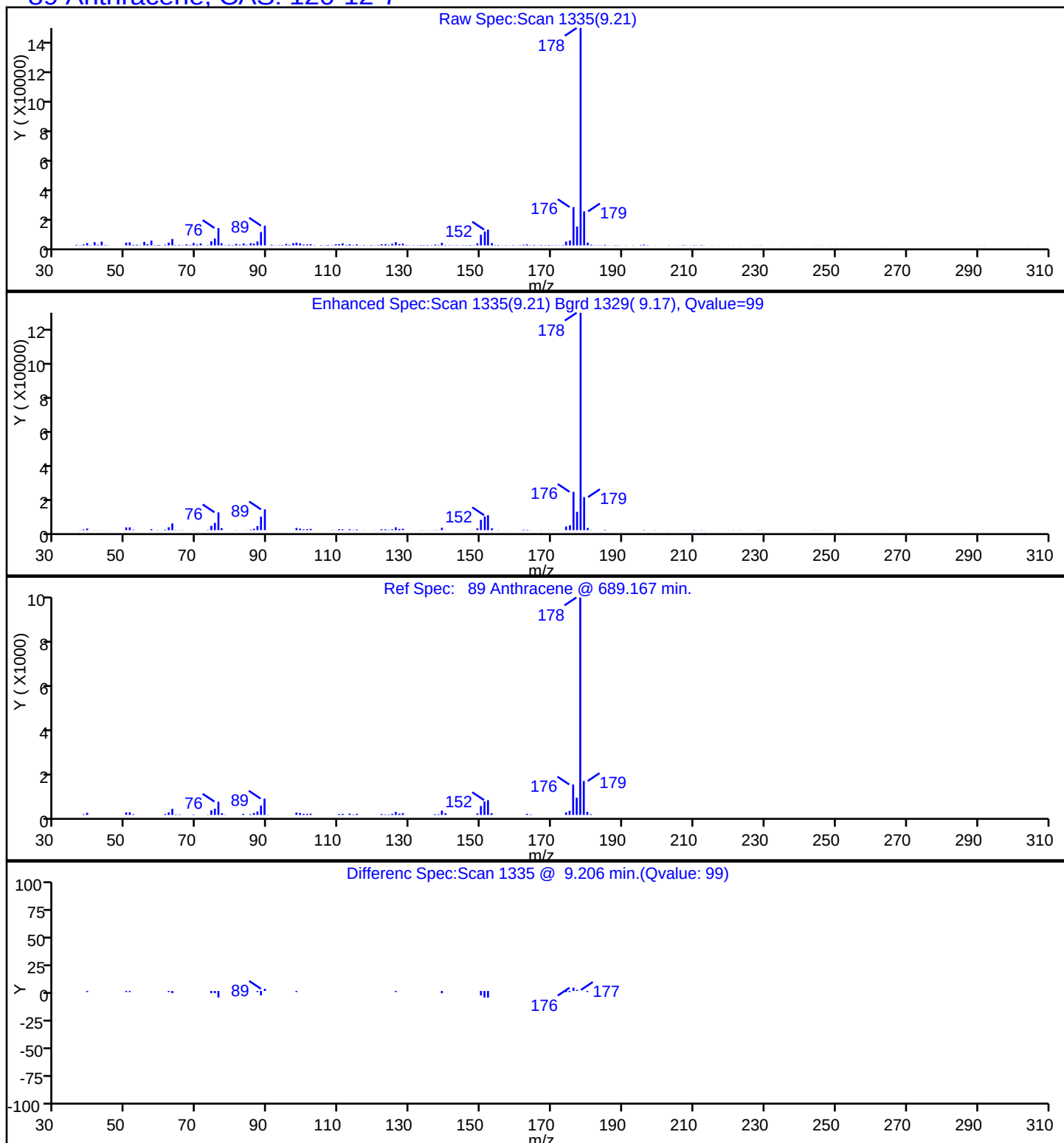
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

89 Anthracene, CAS: 120-12-7

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35657.D

Injection Date: 22-Aug-2015 15:16:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-20-A

Lab Sample ID: 460-99997-20

Client ID: ES-20

Operator ID:

ALS Bottle#: 17

Worklist Smp#: 17

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

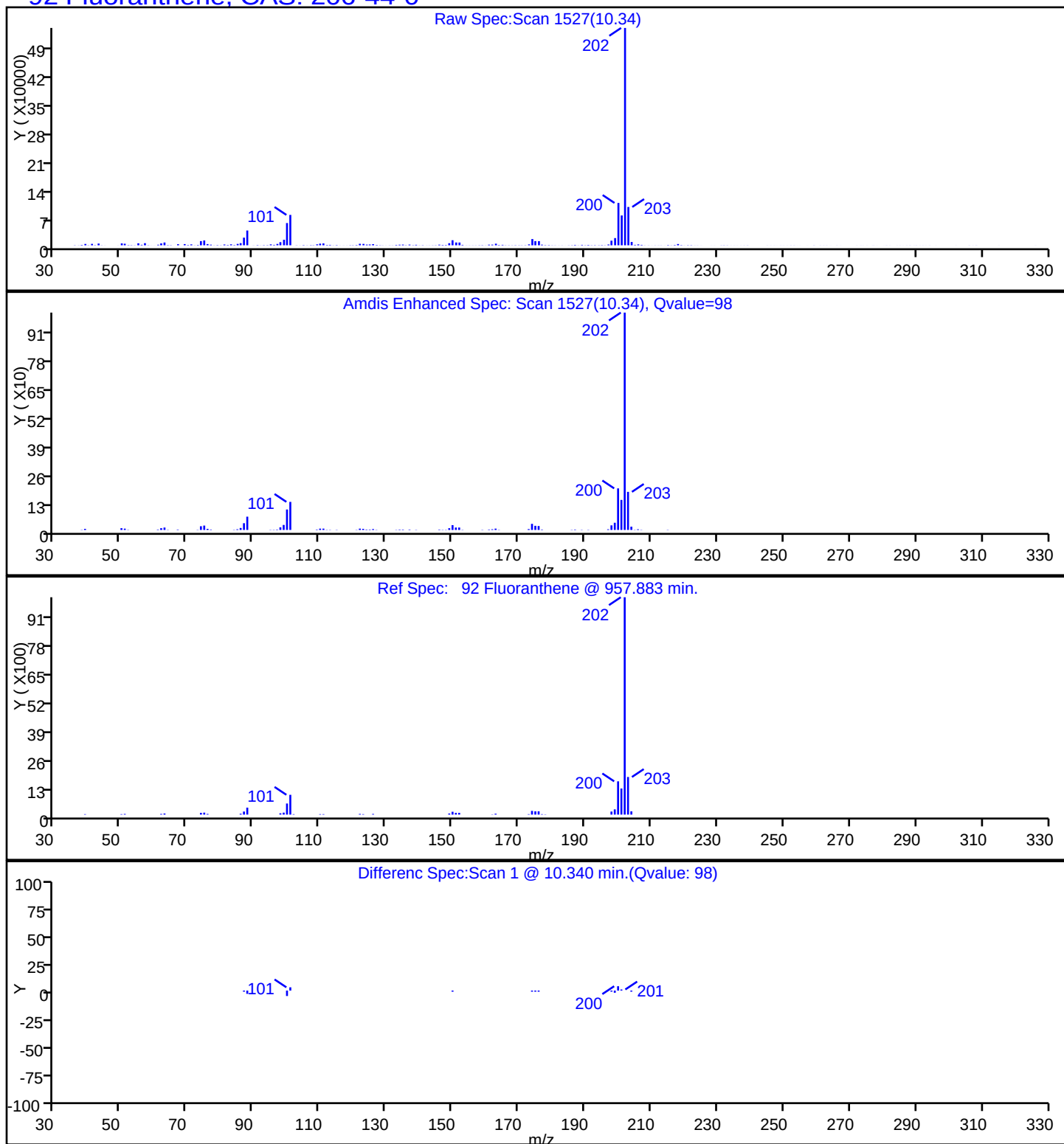
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

92 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35657.D

Injection Date: 22-Aug-2015 15:16:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-20-A

Lab Sample ID: 460-99997-20

Client ID: ES-20

Operator ID:

ALS Bottle#:

17

Worklist Smp#:

17

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

Limit Group:

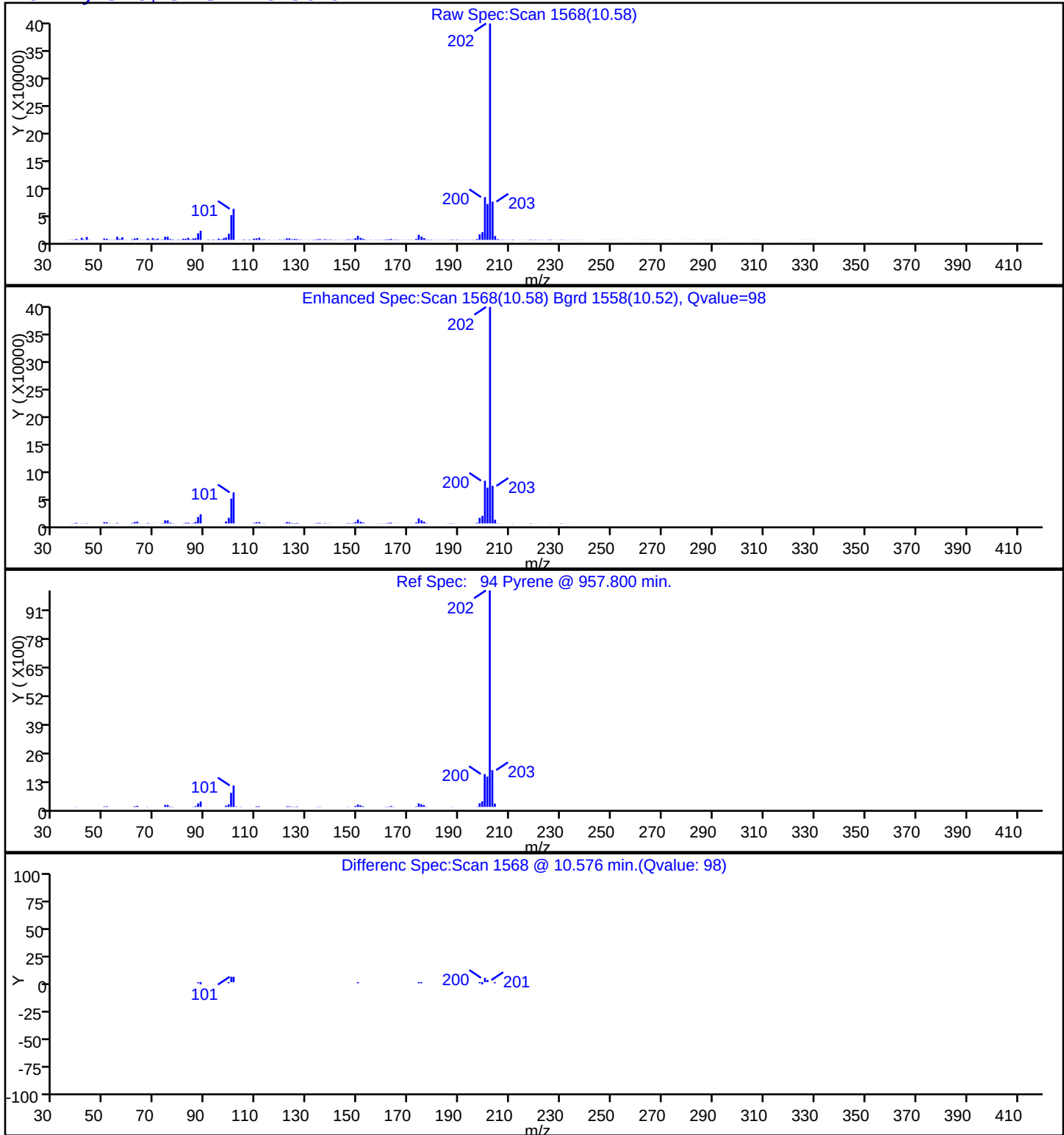
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

94 Pyrene, CAS: 129-00-0



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35657.D

Injection Date: 22-Aug-2015 15:16:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-20-A

Lab Sample ID: 460-99997-20

Client ID: ES-20

Operator ID:

ALS Bottle#: 17

Worklist Smp#: 17

Injection Vol: 1.0 ul

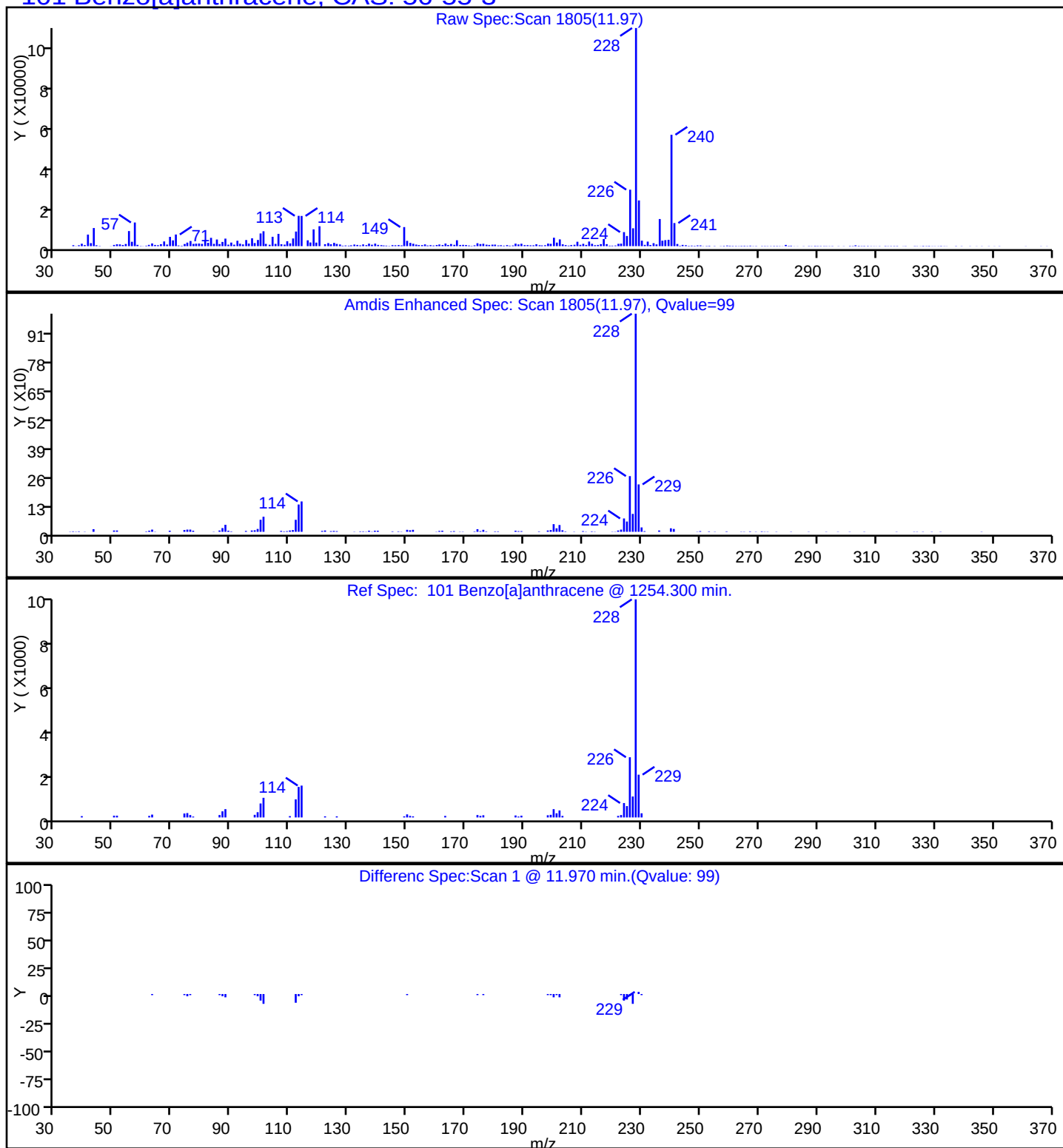
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

101 Benzo[a]anthracene, CAS: 56-55-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35657.D

Injection Date: 22-Aug-2015 15:16:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-20-A

Lab Sample ID: 460-99997-20

Client ID: ES-20

Operator ID:

ALS Bottle#: 17

Worklist Smp#: 17

Injection Vol: 1.0 ul

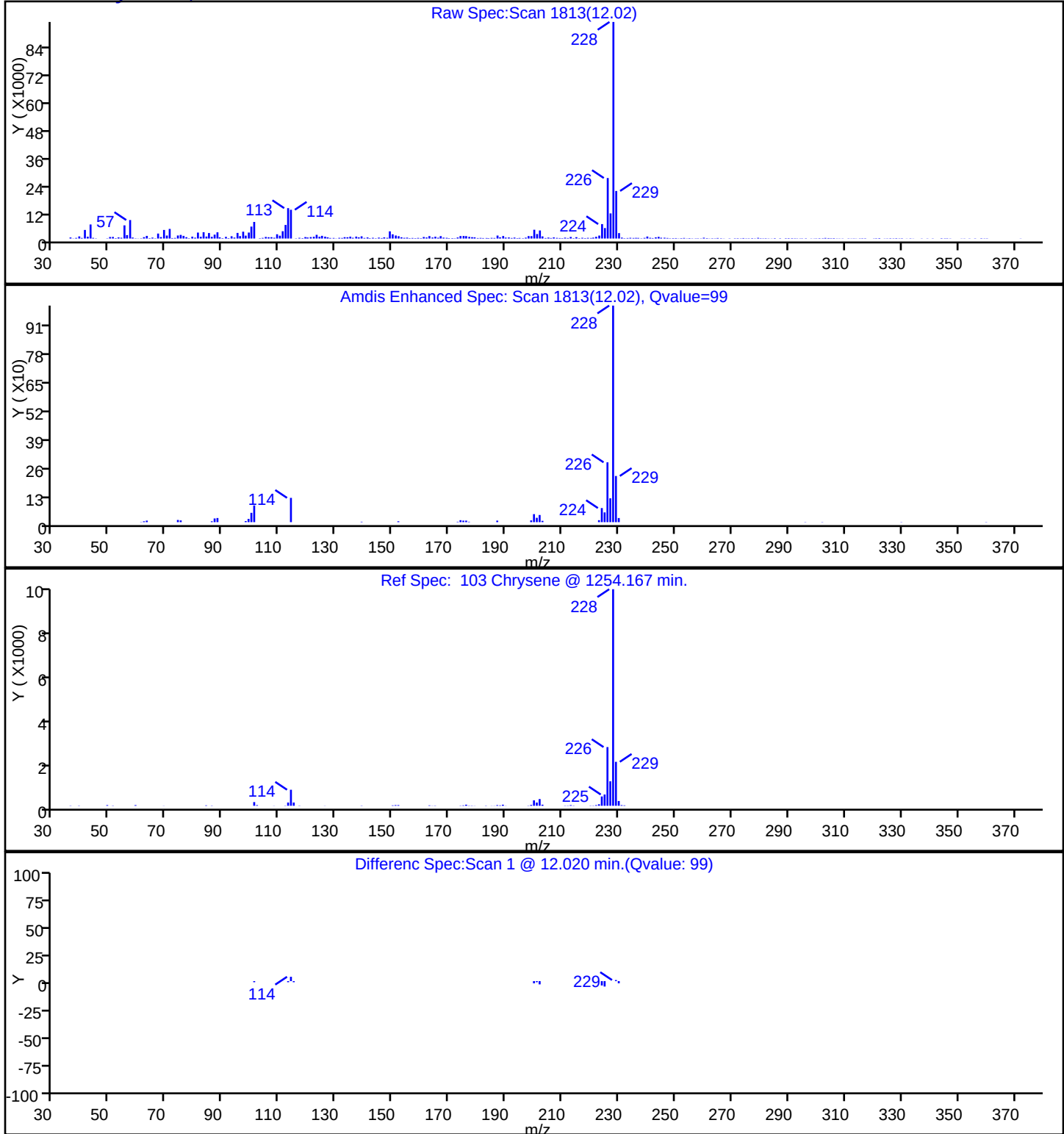
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

103 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35657.D

Injection Date: 22-Aug-2015 15:16:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-20-A

Lab Sample ID: 460-99997-20

Client ID: ES-20

Operator ID:

ALS Bottle#: 17

Worklist Smp#: 17

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

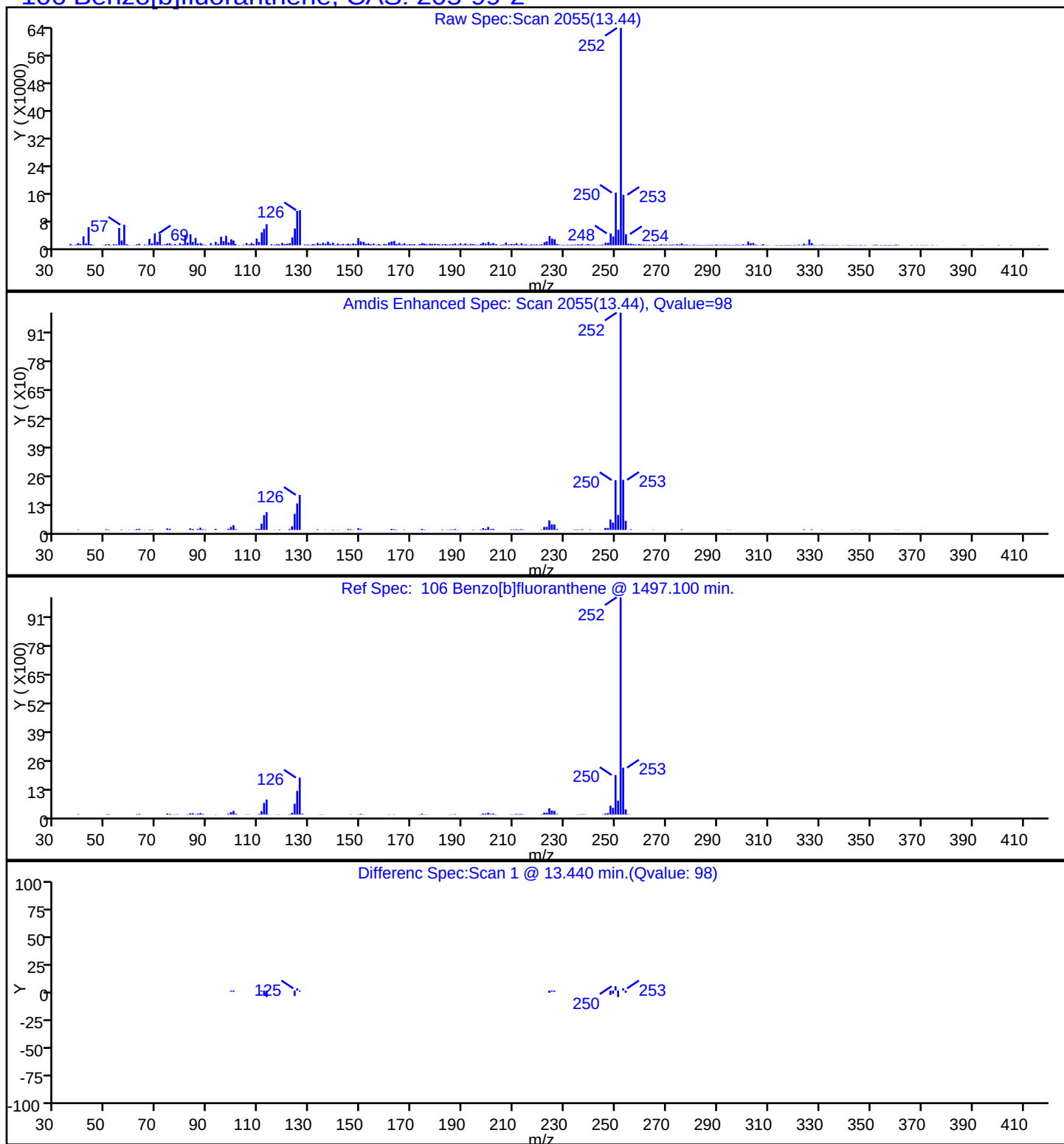
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

106 Benzo[b]fluoranthene, CAS: 205-99-2



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35657.D

Injection Date: 22-Aug-2015 15:16:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-20-A

Lab Sample ID: 460-99997-20

Client ID: ES-20

Operator ID:

ALS Bottle#:

Worklist Smp#: 17

Injection Vol: 1.0 ul

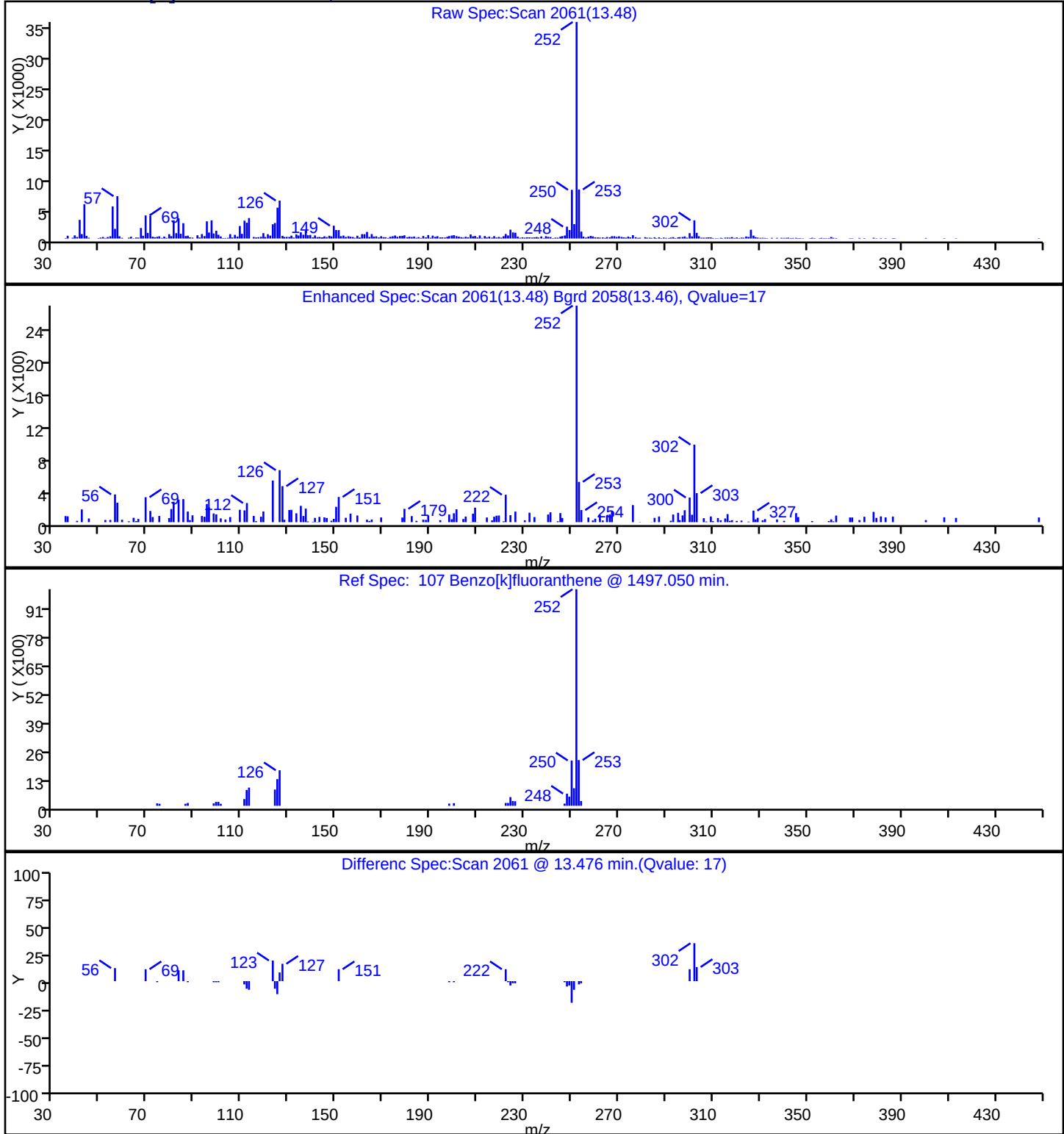
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

107 Benzo[k]fluoranthene, CAS: 207-08-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35657.D

Injection Date: 22-Aug-2015 15:16:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-20-A

Lab Sample ID: 460-99997-20

Client ID: ES-20

Operator ID:

ALS Bottle#: 17

Worklist Smp#: 17

Injection Vol: 1.0 ul

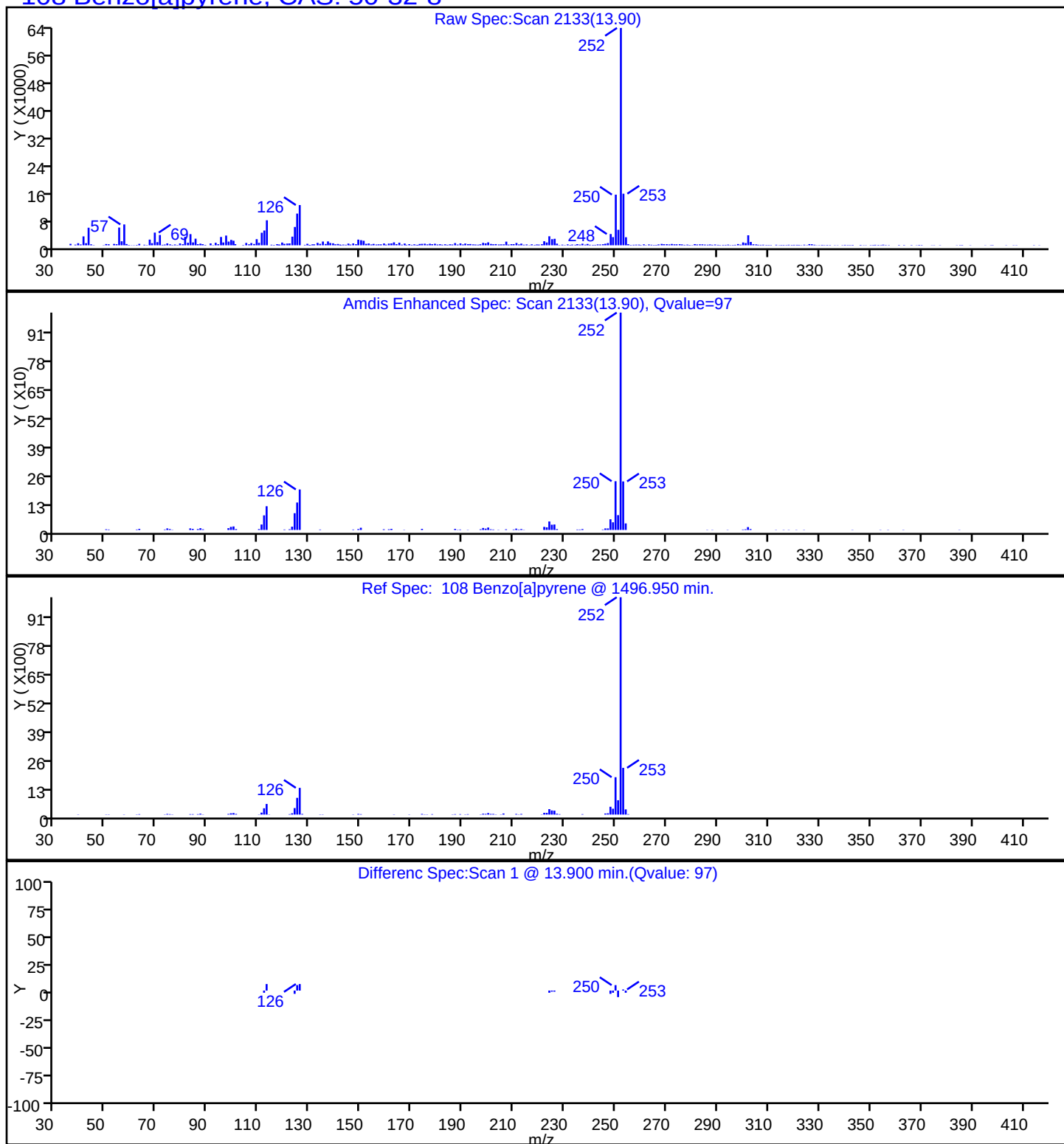
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

108 Benzo[a]pyrene, CAS: 50-32-8

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35657.D

Injection Date: 22-Aug-2015 15:16:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-20-A

Lab Sample ID: 460-99997-20

Client ID: ES-20

Operator ID:

ALS Bottle#:

Worklist Smp#: 17

Injection Vol: 1.0 ul

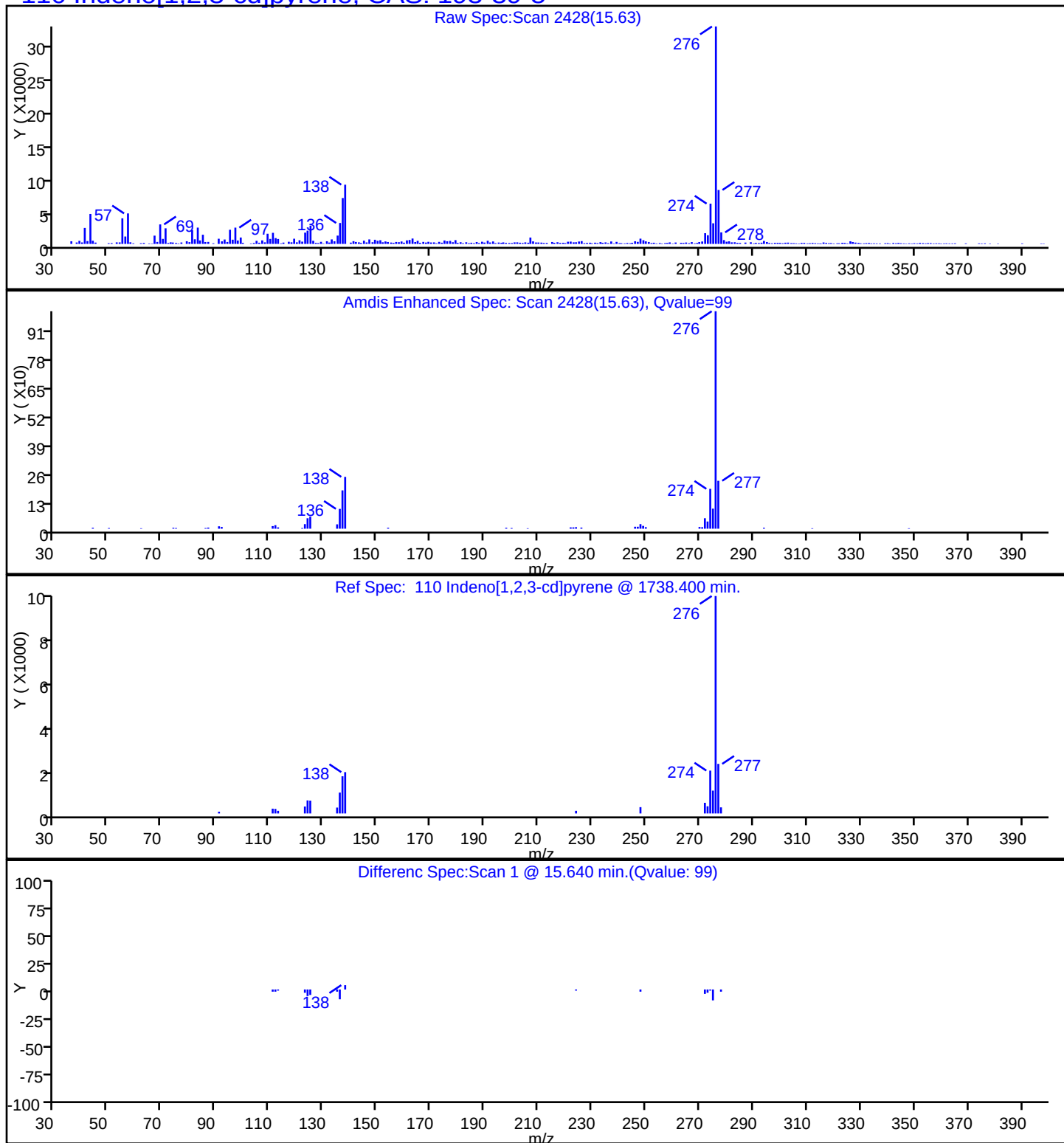
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35657.D

Injection Date: 22-Aug-2015 15:16:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-20-A

Lab Sample ID: 460-99997-20

Client ID: ES-20

Operator ID:

ALS Bottle#: 17

Worklist Smp#: 17

Injection Vol: 1.0 ul

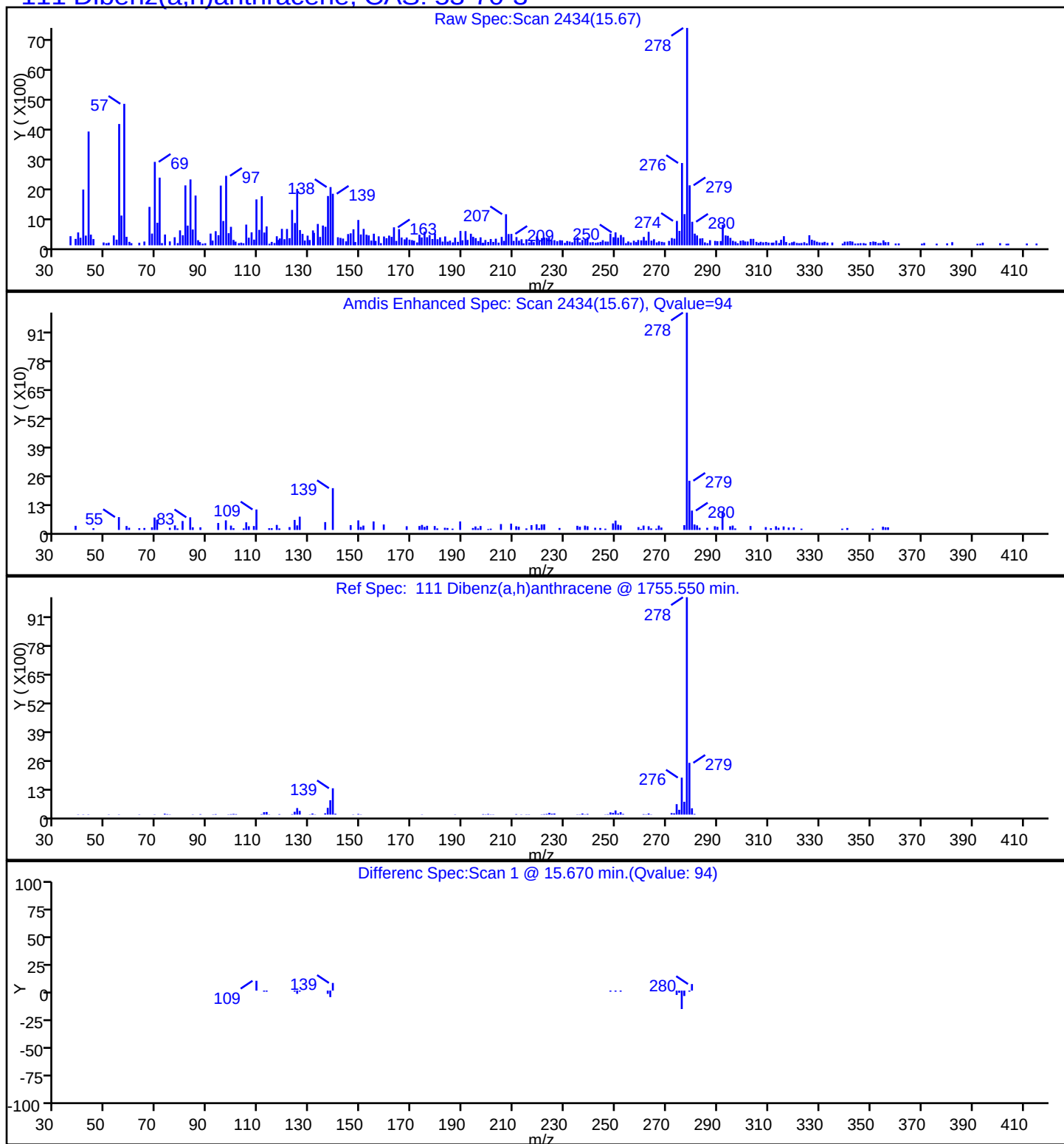
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

111 Dibenz(a,h)anthracene, CAS: 53-70-3

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35657.D

Injection Date: 22-Aug-2015 15:16:30

Instrument ID: CBNAMS11

Lims ID: 460-99997-E-20-A

Lab Sample ID: 460-99997-20

Client ID: ES-20

Operator ID:

ALS Bottle#:

17

Worklist Smp#:

17

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

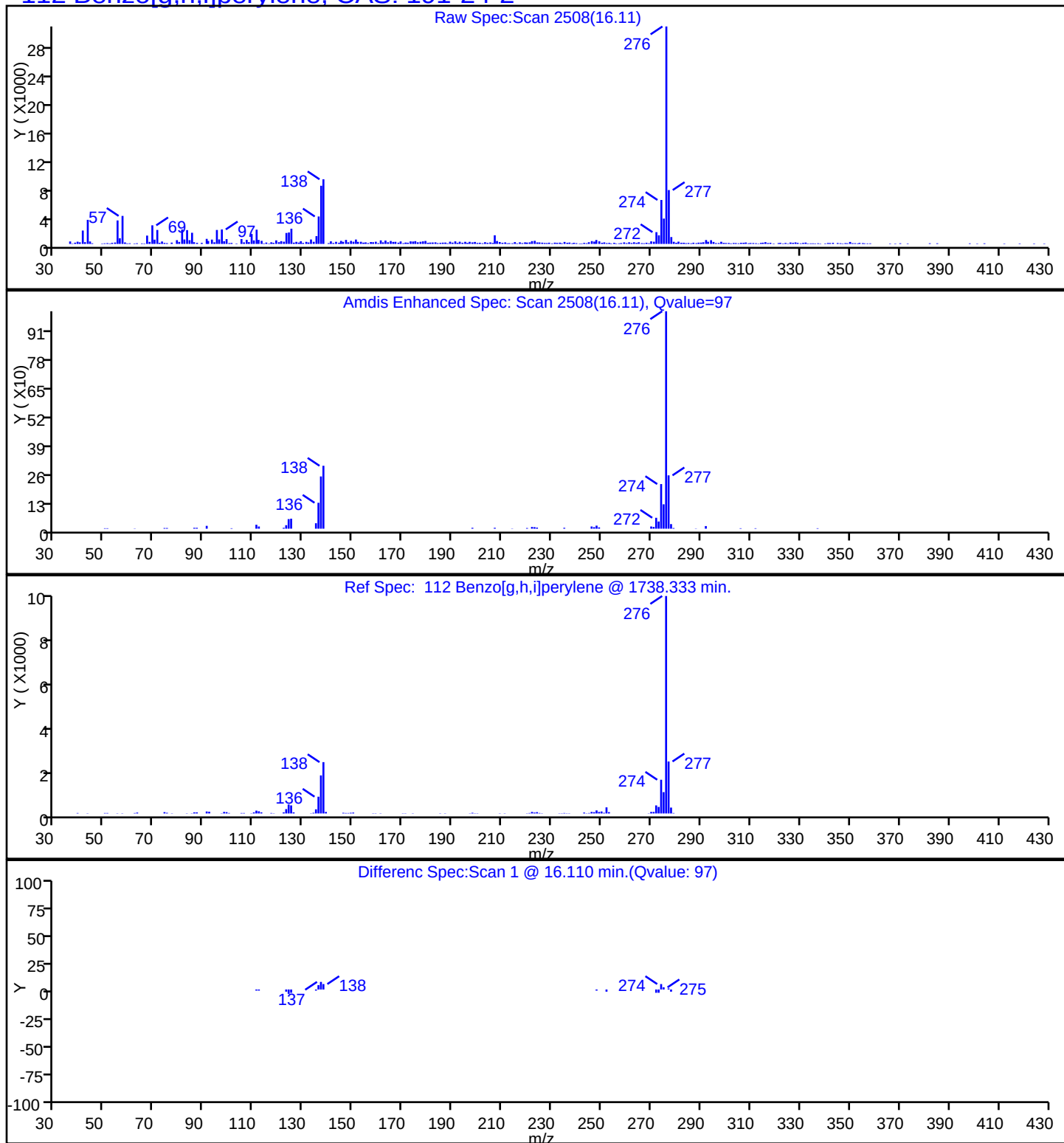
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

112 Benzo[g,h,i]perylene, CAS: 191-24-2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-21</u>	Lab Sample ID: <u>460-99997-21</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x5564.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>08/20/2015 15:37</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>08/21/2015 19:43</u>
Sample wt/vol: <u>15.0219(g)</u>	Date Analyzed: <u>08/22/2015 11:34</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>13.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318191</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.0097	U F1	0.38	0.0097
91-57-6	2-Methylnaphthalene	0.0084	U	0.38	0.0084
208-96-8	Acenaphthylene	0.0098	U F1	0.38	0.0098
83-32-9	Acenaphthene	0.0092	U	0.38	0.0092
86-73-7	Fluorene	0.0083	U	0.38	0.0083
85-01-8	Phenanthrene	0.016	J	0.38	0.010
120-12-7	Anthracene	0.036	U	0.38	0.036
206-44-0	Fluoranthene	0.027	J	0.38	0.011
129-00-0	Pyrene	0.020	J F1	0.38	0.017
56-55-3	Benzo[a]anthracene	0.032	U F1	0.038	0.032
218-01-9	Chrysene	0.012	J	0.38	0.010
205-99-2	Benzo[b]fluoranthene	0.015	J	0.038	0.015
207-08-9	Benzo[k]fluoranthene	0.017	U	0.038	0.017
50-32-8	Benzo[a]pyrene	0.012	U	0.038	0.012
193-39-5	Indeno[1,2,3-cd]pyrene	0.025	U	0.038	0.025
53-70-3	Dibenz(a,h)anthracene	0.020	U	0.038	0.020
191-24-2	Benzo[g,h,i]perylene	0.022	U F1	0.38	0.022

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	67		30-130
1718-51-0	Terphenyl-d14	76		30-130
321-60-8	2-Fluorobiphenyl	64		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150822-31004.b\5564.D
 Lims ID: 460-99997-E-21-C Lab Sample ID: 460-99997-21
 Client ID: ES-21
 Sample Type: Client
 Inject. Date: 22-Aug-2015 11:34:30 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031004-010
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20150822-31004.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Aug-2015 09:41:18 Calib Date: 05-Aug-2015 13:32:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20150805-30411.b\4917.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: szczecha

Date: 24-Aug-2015 09:41:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.198	2.950	0.248	91	533134	32.4	
\$ 6 Phenol-d5	99	3.921	3.886	0.035	88	621322	33.2	
* 14 1,4-Dichlorobenzene-d4	152	4.250	4.215	0.035	97	544462	40.0	
\$ 26 Nitrobenzene-d5	82	4.792	4.786	0.006	88	642270	33.6	
29 2-Toluidine	107	4.915	4.958	-0.043	34	3428	NC	
31 Isophorone	82	5.039	5.056	-0.017	96	3681	0.1286	
* 38 Naphthalene-d8	136	5.503	5.497	0.006	99	2156135	40.0	
42 Caprolactam	113	5.909	5.921	-0.012	1	66	1.52	
\$ 51 2-Fluorobiphenyl	172	6.580	6.586	-0.006	98	1226295	32.0	
63 2-Naphthylamine	143	7.250	7.228	0.022	41	201	NC	
62 1-Naphthylamine	143	7.250	7.228	0.022	42	201	NC	
* 65 Acenaphthene-d10	164	7.250	7.250	0.000	92	1128813	40.0	
\$ 80 2,4,6-Tribromophenol	330	8.027	8.033	-0.006	95	158695	38.7	
* 88 Phenanthrene-d10	188	8.709	8.709	0.000	99	1517467	40.0	
89 Phenanthrene	178	8.732	8.738	-0.006	93	8920	0.2088	
93 Fluoranthene	202	9.897	9.903	-0.006	98	11809	0.3506	
95 Pyrene	202	10.121	10.121	0.000	97	8909	0.2603	
\$ 96 Terphenyl-d14	244	10.285	10.279	0.006	99	865119	38.0	
* 102 Chrysene-d12	240	11.456	11.450	0.006	99	779878	40.0	
103 Chrysene	228	11.485	11.485	0.000	86	3352	0.1600	
106 Benzo[b]fluoranthene	252	12.832	12.832	0.000	74	2589	0.1883	
108 Benzo[a]pyrene	252	13.267	13.273	-0.006	90	1675	0.1316	
* 109 Perylene-d12	264	13.362	13.350	0.012	99	495900	40.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_ISTD_00091

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20150822-31004.b\\x5564.D

Injection Date: 22-Aug-2015 11:34:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: 460-99997-E-21-C

Lab Sample ID: 460-99997-21

Worklist Smp#: 10

Client ID: ES-21

Injection Vol: 1.0 ul

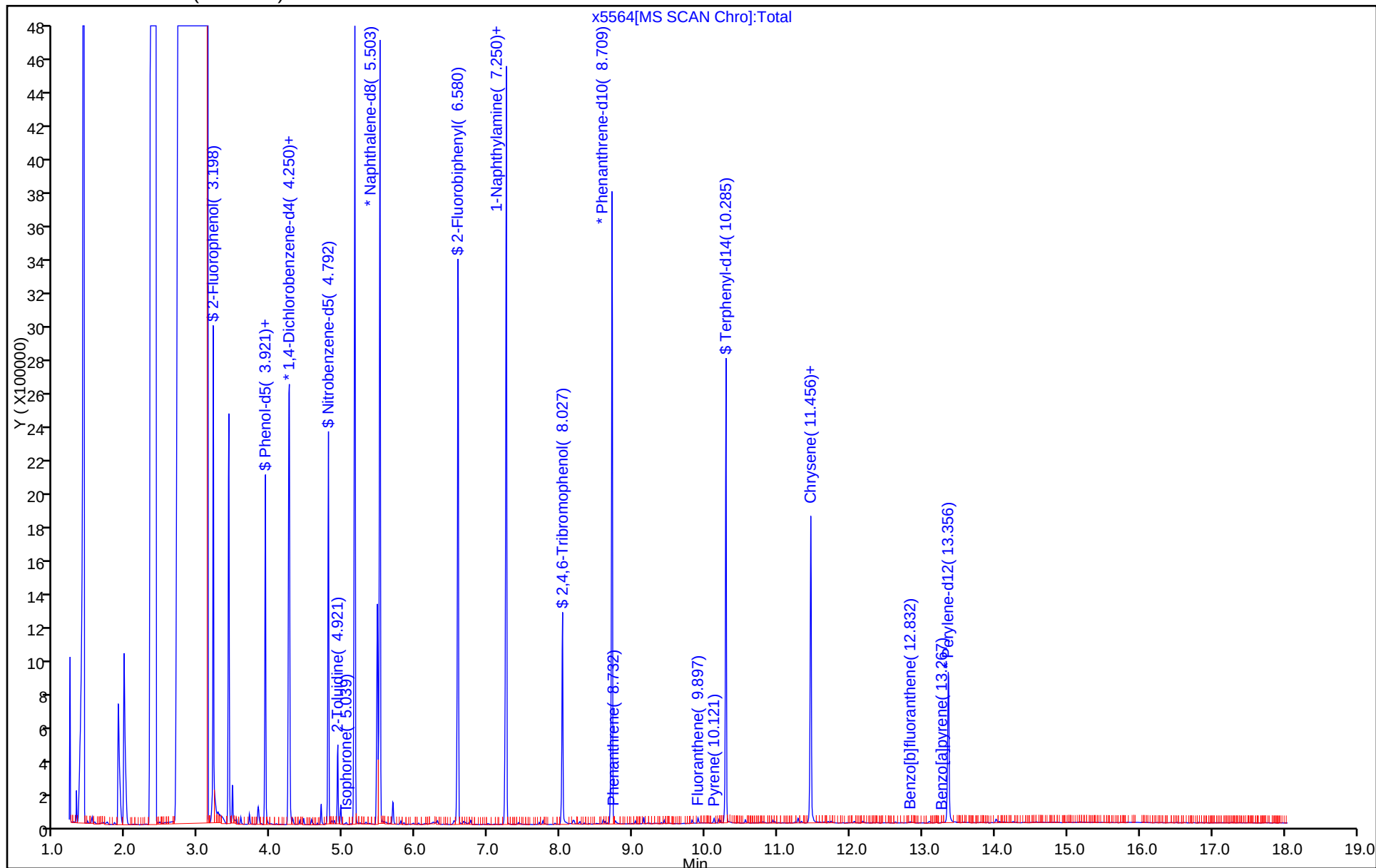
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150822-31004.b\5564.D

Injection Date: 22-Aug-2015 11:34:30

Instrument ID: CBNAMS5

Lims ID: 460-99997-E-21-C

Lab Sample ID: 460-99997-21

Client ID: ES-21

Operator ID:

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

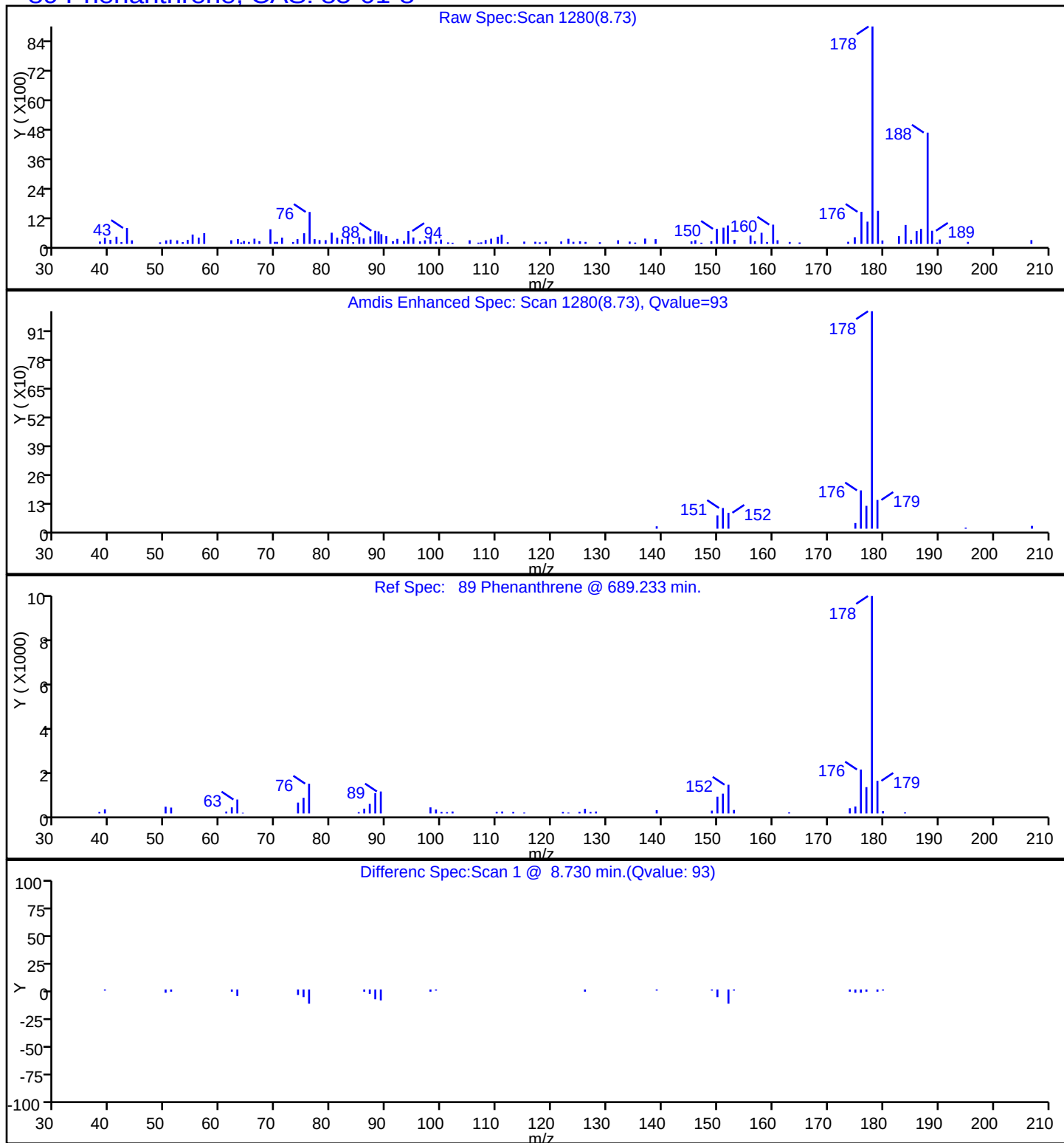
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

89 Phenanthrene, CAS: 85-01-8

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20150822-31004.b\\x5564.D

Injection Date: 22-Aug-2015 11:34:30

Instrument ID: CBNAMS5

Lims ID: 460-99997-E-21-C

Lab Sample ID: 460-99997-21

Client ID: ES-21

Operator ID:

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

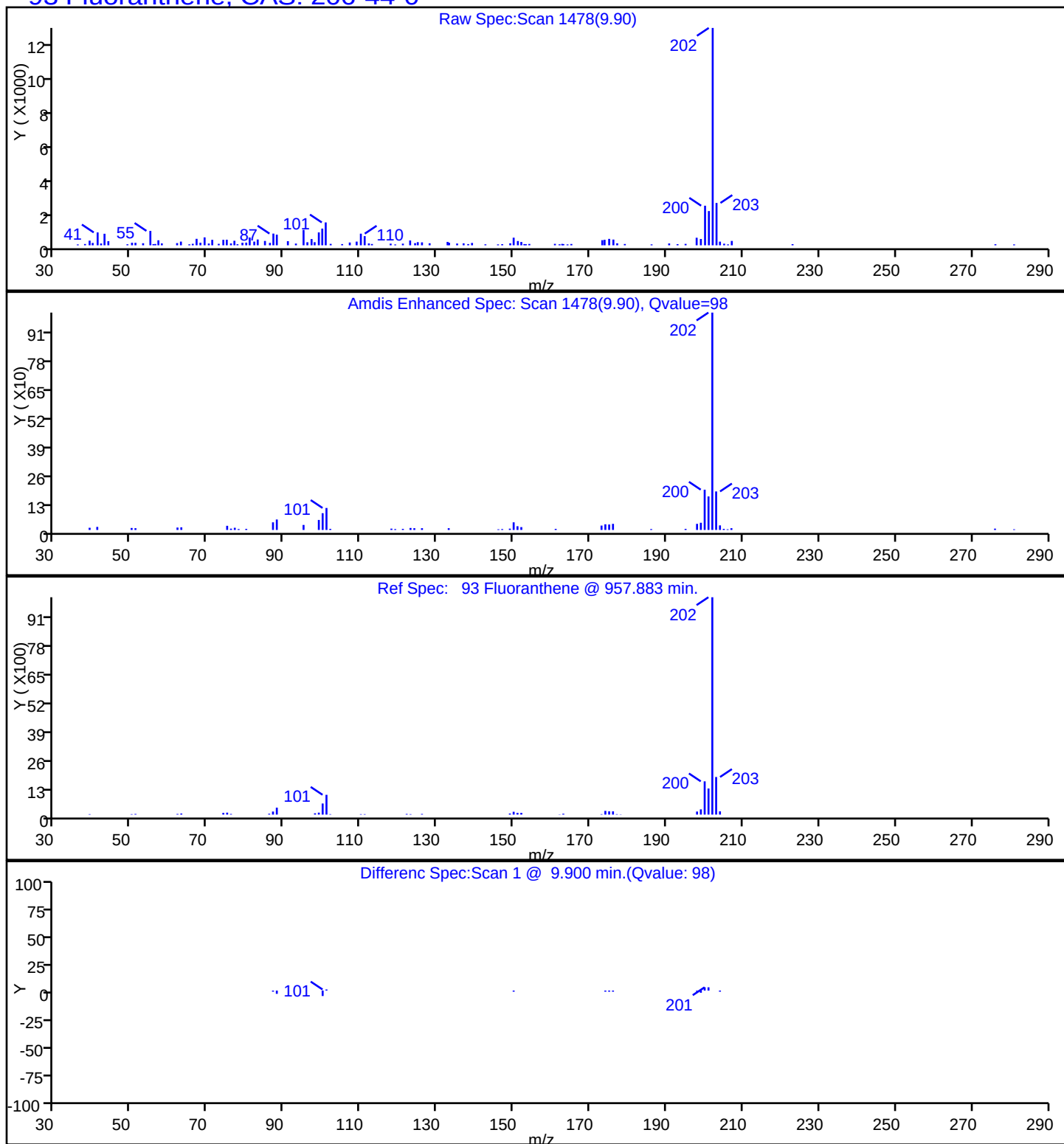
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

93 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20150822-31004.b\\x5564.D

Injection Date: 22-Aug-2015 11:34:30

Instrument ID: CBNAMS5

Lims ID: 460-99997-E-21-C

Lab Sample ID: 460-99997-21

Client ID: ES-21

Operator ID:

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

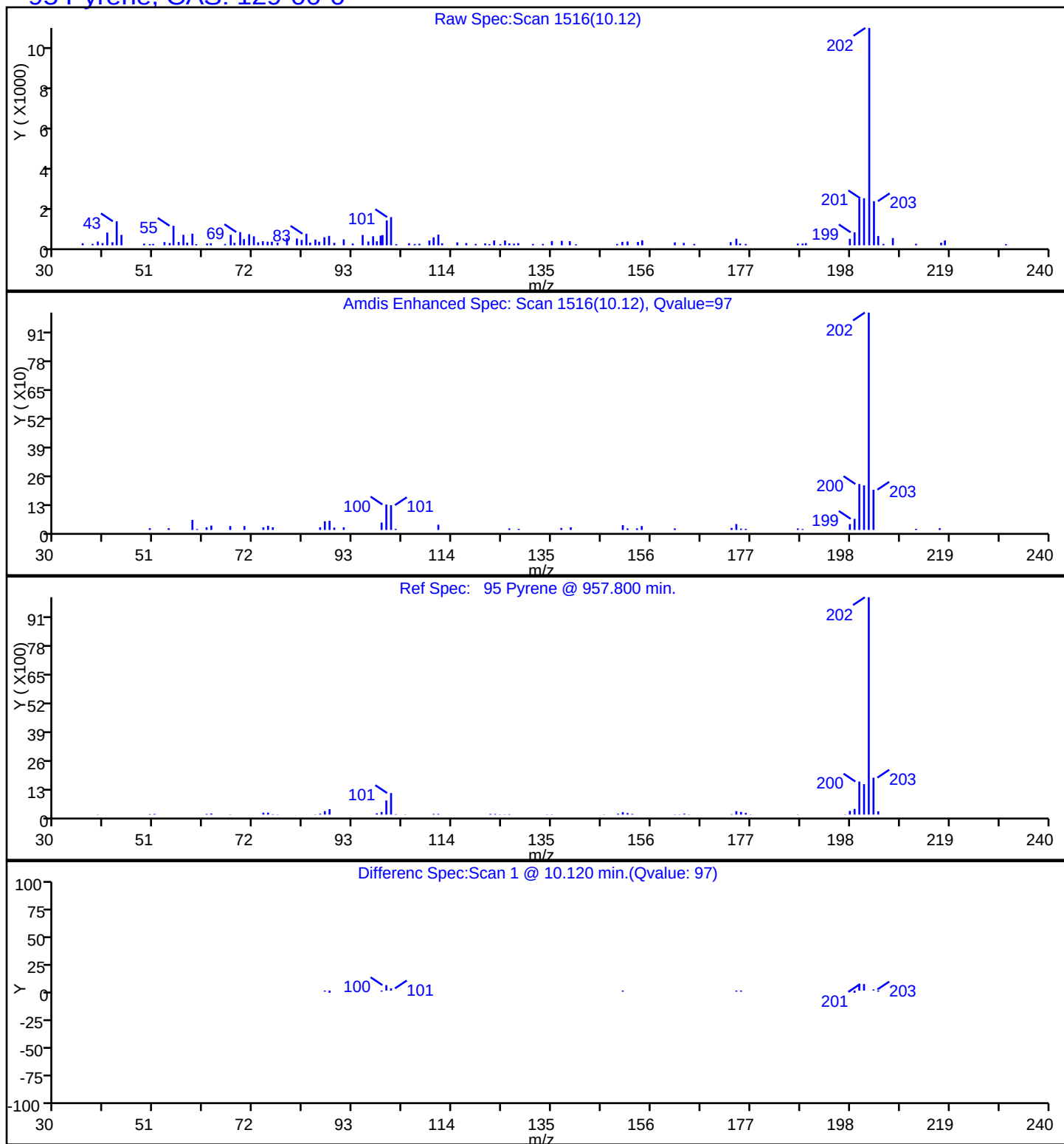
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

95 Pyrene, CAS: 129-00-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150822-31004.b\5564.D

Injection Date: 22-Aug-2015 11:34:30

Instrument ID: CBNAMS5

Lims ID: 460-99997-E-21-C

Lab Sample ID: 460-99997-21

Client ID: ES-21

Operator ID:

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

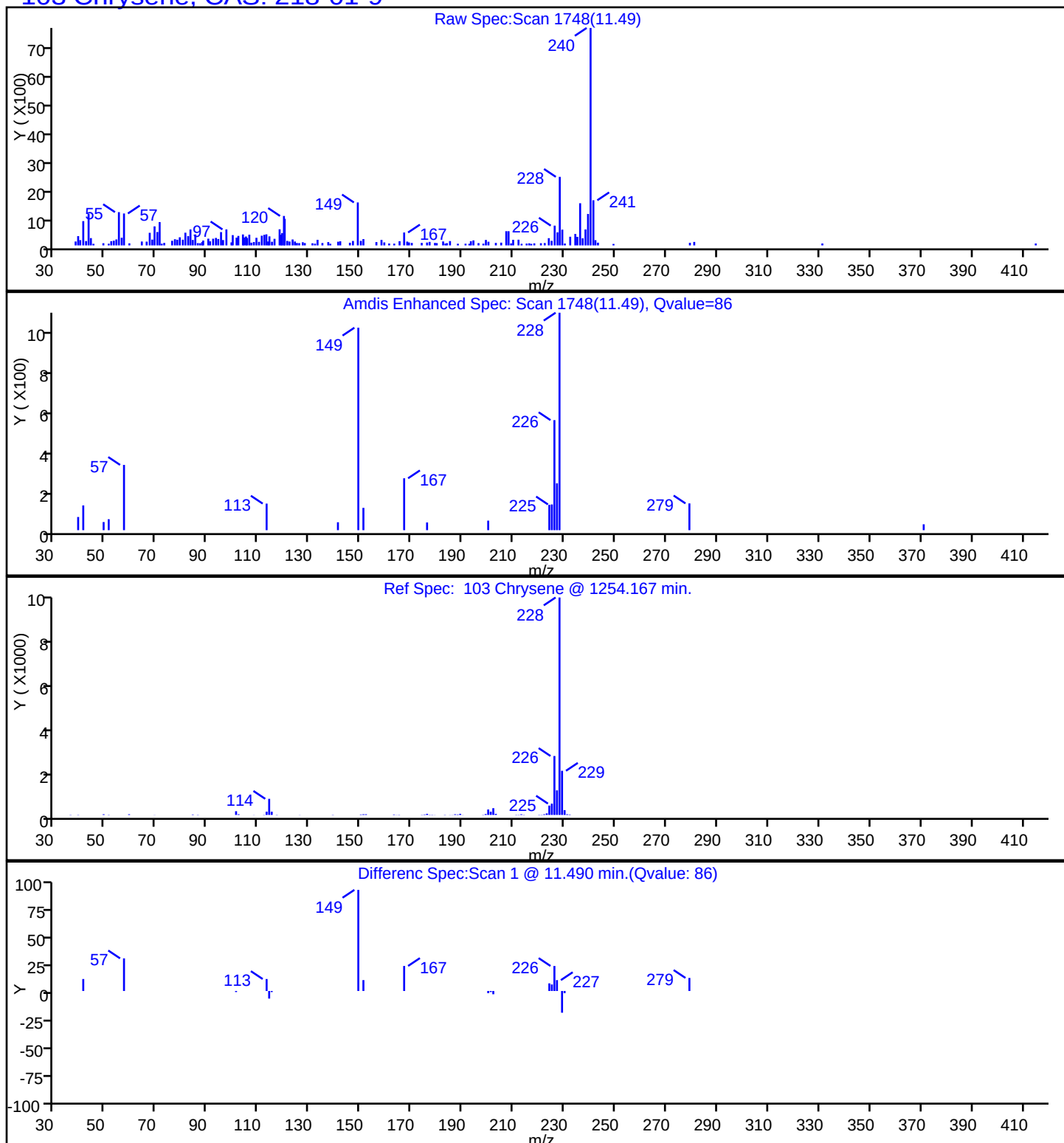
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

103 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20150822-31004.b\\x5564.D

Injection Date: 22-Aug-2015 11:34:30

Instrument ID: CBNAMS5

Lims ID: 460-99997-E-21-C

Lab Sample ID: 460-99997-21

Client ID: ES-21

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

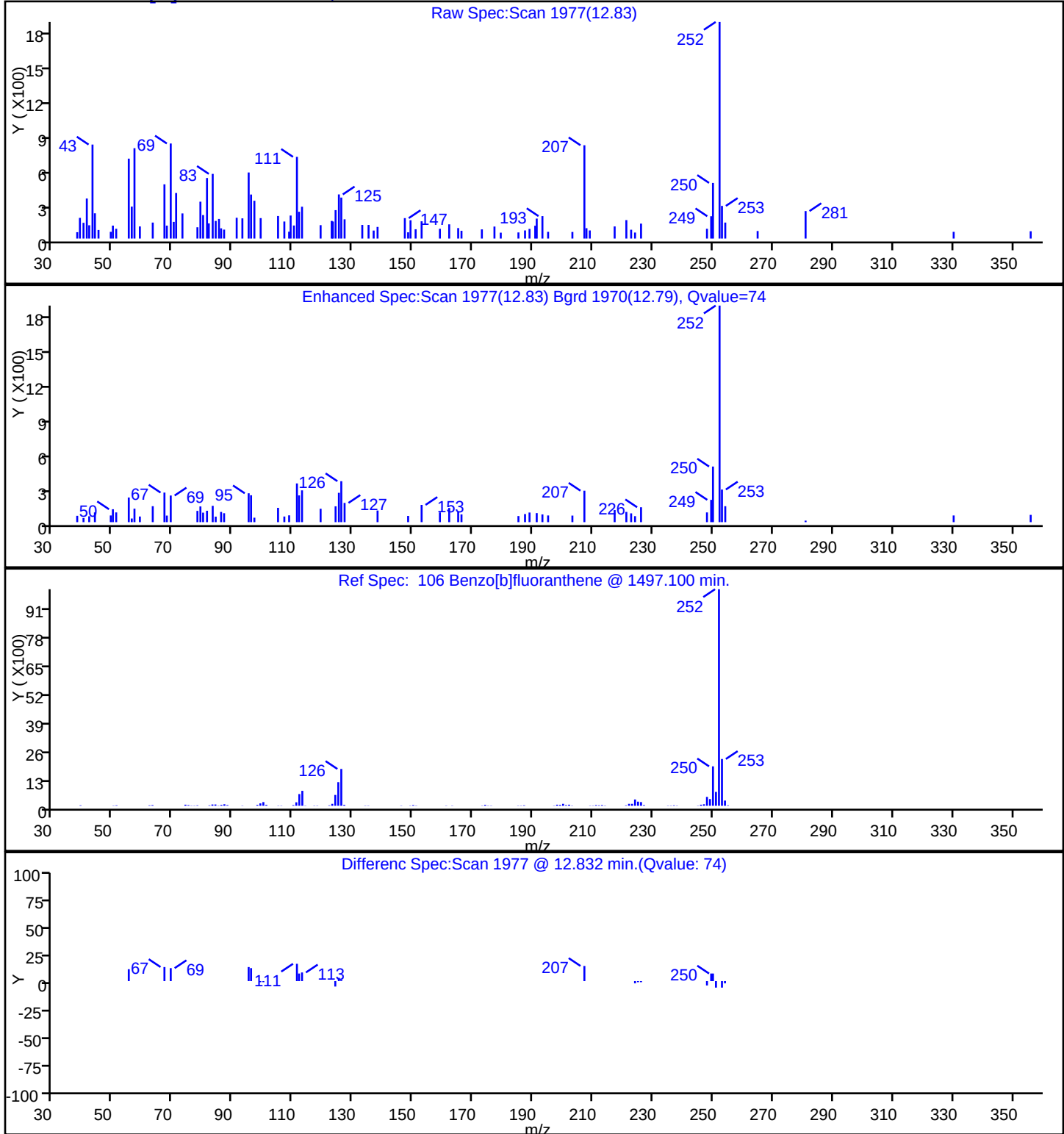
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

106 Benzo[b]fluoranthene, CAS: 205-99-2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-22</u>	Lab Sample ID: <u>460-99997-22</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x5567.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>08/20/2015 16:01</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>08/21/2015 19:43</u>
Sample wt/vol: <u>15.0127(g)</u>	Date Analyzed: <u>08/22/2015 12:46</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>15.9</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318191</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.010	U	0.39	0.010
91-57-6	2-Methylnaphthalene	0.0087	U	0.39	0.0087
208-96-8	Acenaphthylene	0.010	U	0.39	0.010
83-32-9	Acenaphthene	0.097	J	0.39	0.0095
86-73-7	Fluorene	0.082	J	0.39	0.0086
85-01-8	Phenanthrene	0.87		0.39	0.010
120-12-7	Anthracene	0.25	J	0.39	0.037
206-44-0	Fluoranthene	1.0		0.39	0.012
129-00-0	Pyrene	0.97		0.39	0.018
56-55-3	Benzo[a]anthracene	0.44		0.039	0.033
218-01-9	Chrysene	0.45		0.39	0.011
205-99-2	Benzo[b]fluoranthene	0.53		0.039	0.015
207-08-9	Benzo[k]fluoranthene	0.23		0.039	0.017
50-32-8	Benzo[a]pyrene	0.37		0.039	0.012
193-39-5	Indeno[1,2,3-cd]pyrene	0.24		0.039	0.026
53-70-3	Dibenz(a,h)anthracene	0.062		0.039	0.020
191-24-2	Benzo[g,h,i]perylene	0.24	J	0.39	0.023

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	64		30-130
1718-51-0	Terphenyl-d14	84		30-130
321-60-8	2-Fluorobiphenyl	64		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150822-31004.b\5567.D
 Lims ID: 460-99997-E-22-A Lab Sample ID: 460-99997-22
 Client ID: ES-22
 Sample Type: Client
 Inject. Date: 22-Aug-2015 12:46:30 ALS Bottle#: 13 Worklist Smp#: 13
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031004-013
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20150822-31004.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Aug-2015 09:42:22 Calib Date: 05-Aug-2015 13:32:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20150805-30411.b\4917.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: szczecha

Date: 24-Aug-2015 09:43:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.050	2.950	0.100	94	490799	29.4	
\$ 6 Phenol-d5	99	3.880	3.886	-0.006	87	551541	29.0	
* 14 1,4-Dichlorobenzene-d4	152	4.227	4.215	0.012	97	552626	40.0	
\$ 26 Nitrobenzene-d5	82	4.774	4.786	-0.012	90	585704	32.1	
* 38 Naphthalene-d8	136	5.497	5.497	0.000	99	2056318	40.0	
\$ 51 2-Fluorobiphenyl	172	6.585	6.586	-0.001	98	1105538	31.9	
* 65 Acenaphthene-d10	164	7.250	7.250	0.000	92	1019810	40.0	
67 Acenaphthene	154	7.280	7.286	-0.006	93	34081	1.22	
68 2,4-Dinitrophenol	184	7.321	7.327	-0.006	1	106	3.76	
71 Dibenzofuran	168	7.444	7.456	-0.012	94	17635	0.4654	
75 Fluorene	166	7.785	7.791	-0.006	97	31100	1.03	
\$ 80 2,4,6-Tribromophenol	330	8.027	8.033	-0.006	95	120911	32.7	
* 88 Phenanthrene-d10	188	8.709	8.709	0.000	99	1258192	40.0	
89 Phenanthrene	178	8.732	8.738	-0.006	97	389811	11.0	
90 Anthracene	178	8.779	8.785	-0.006	99	113785	3.20	
91 Carbazole	167	8.938	8.944	-0.006	96	41524	1.48	
93 Fluoranthene	202	9.903	9.903	0.000	98	369985	13.2	
95 Pyrene	202	10.121	10.121	0.000	97	291726	12.2	
\$ 96 Terphenyl-d14	244	10.285	10.279	0.006	99	668413	42.0	
101 Benzo[a]anthracene	228	11.444	11.438	0.006	98	89582	5.59	
* 102 Chrysene-d12	240	11.456	11.450	0.006	99	545707	40.0	
103 Chrysene	228	11.485	11.485	0.000	99	82364	5.62	
106 Benzo[b]fluoranthene	252	12.838	12.832	0.006	98	66314	6.65	
107 Benzo[k]fluoranthene	252	12.867	12.873	-0.006	96	32101	2.92	
108 Benzo[a]pyrene	252	13.273	13.273	0.000	97	42847	4.64	
* 109 Perylene-d12	264	13.356	13.350	0.006	98	359509	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.838	14.838	0.000	99	21877	3.09	
111 Dibenz(a,h)anthracene	278	14.867	14.873	-0.006	23	5526	0.7842	
112 Benzo[g,h,i]perylene	276	15.244	15.250	-0.006	97	24536	3.06	

Reagents:

SM_ISTD_00091

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20150822-31004.b\\x5567.D

Injection Date: 22-Aug-2015 12:46:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: 460-99997-E-22-A

Lab Sample ID: 460-99997-22

Worklist Smp#: 13

Client ID: ES-22

Injection Vol: 1.0 ul

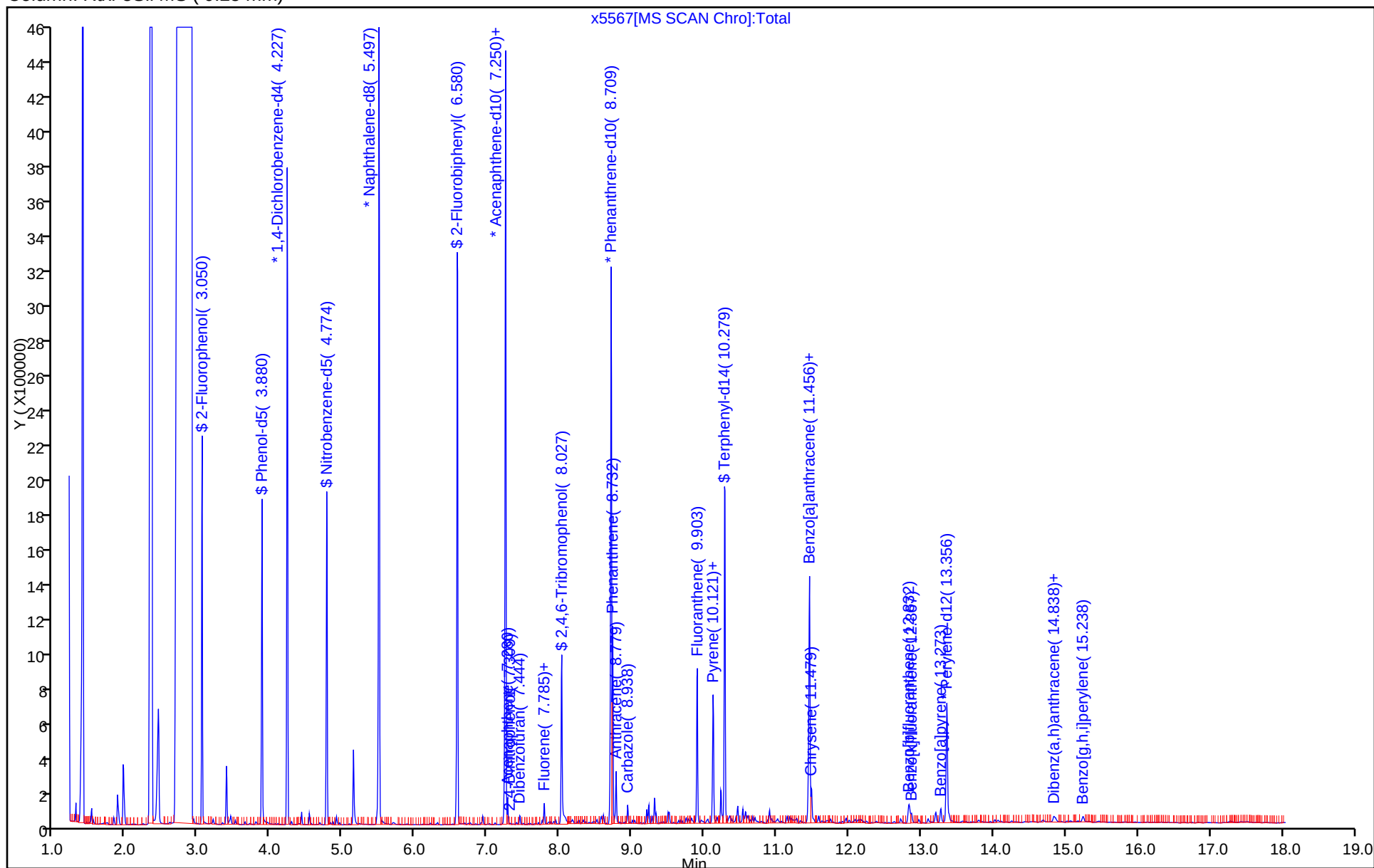
Dil. Factor: 1.0000

ALS Bottle#: 13

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20150822-31004.b\\x5567.D

Injection Date: 22-Aug-2015 12:46:30

Instrument ID: CBNAMS5

Lims ID: 460-99997-E-22-A

Lab Sample ID: 460-99997-22

Client ID: ES-22

Operator ID:

ALS Bottle#: 13

Worklist Smp#: 13

Injection Vol: 1.0 ul

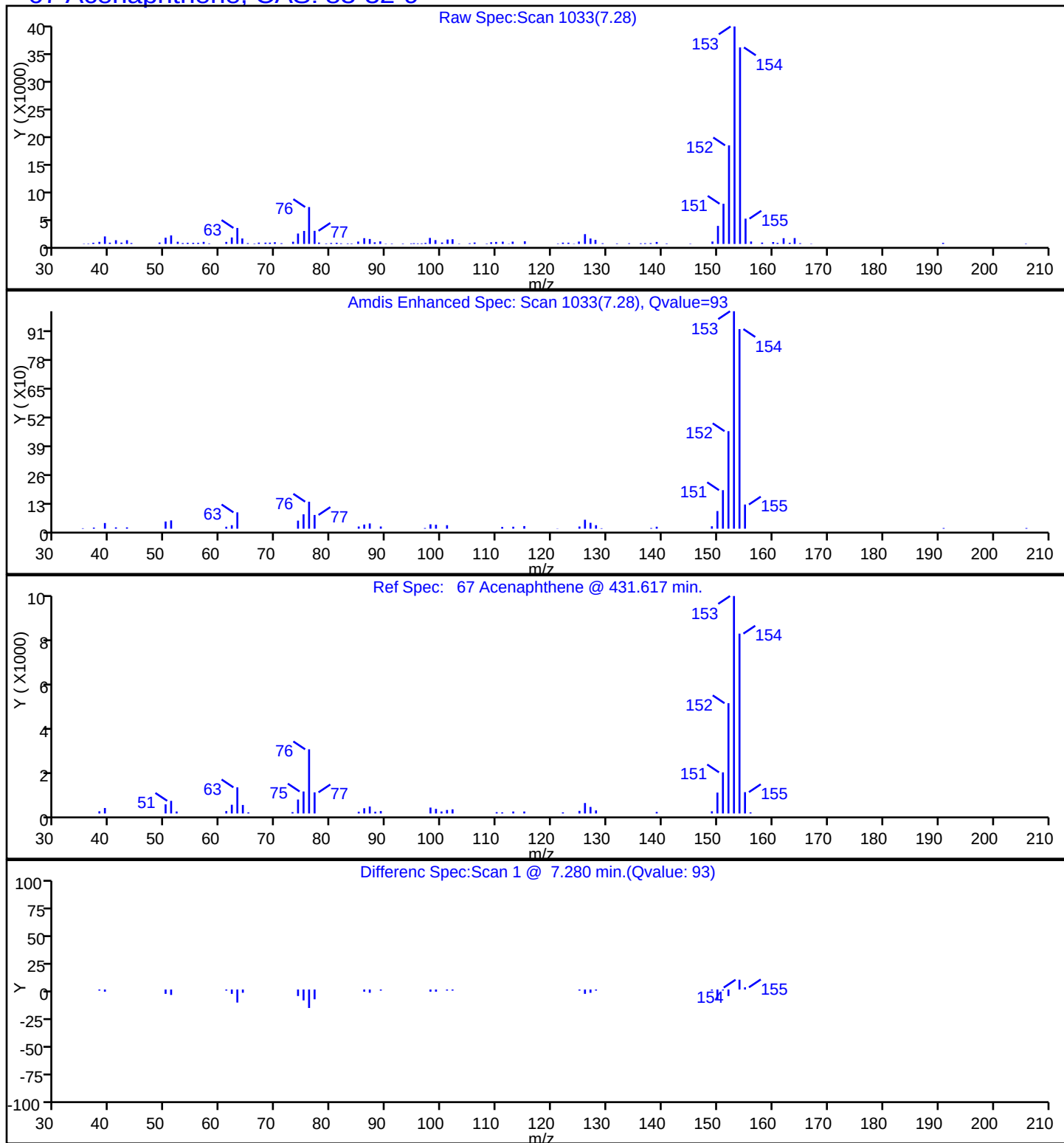
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

67 Acenaphthene, CAS: 83-32-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20150822-31004.b\\x5567.D

Injection Date: 22-Aug-2015 12:46:30

Instrument ID: CBNAMS5

Lims ID: 460-99997-E-22-A

Lab Sample ID: 460-99997-22

Client ID: ES-22

Operator ID:

ALS Bottle#: 13

Worklist Smp#: 13

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

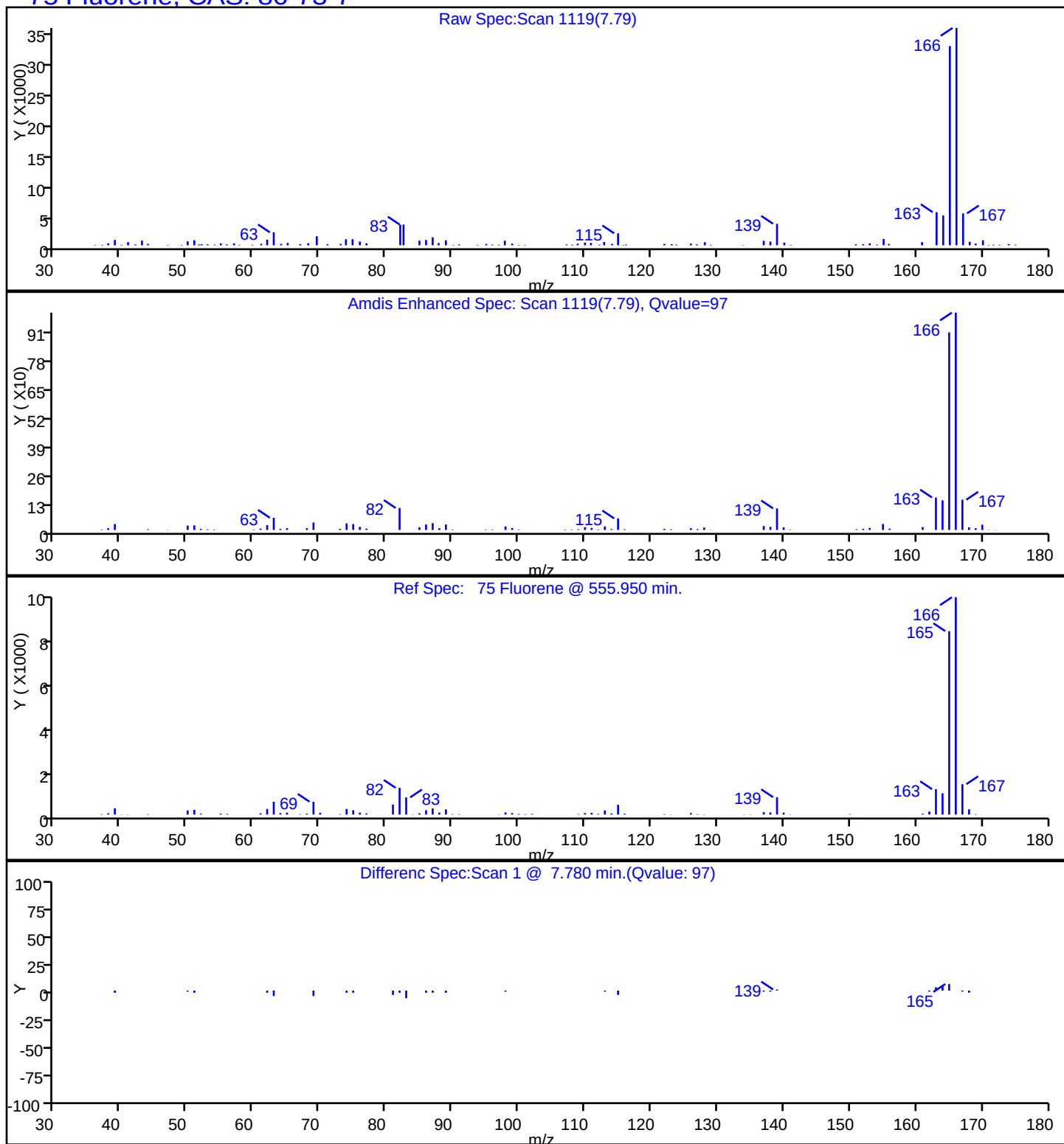
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

75 Fluorene, CAS: 86-73-7



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20150822-31004.b\\x5567.D

Injection Date: 22-Aug-2015 12:46:30

Instrument ID: CBNAMS5

Lims ID: 460-99997-E-22-A

Lab Sample ID: 460-99997-22

Client ID: ES-22

Operator ID:

ALS Bottle#: 13

Worklist Smp#: 13

Injection Vol: 1.0 ul

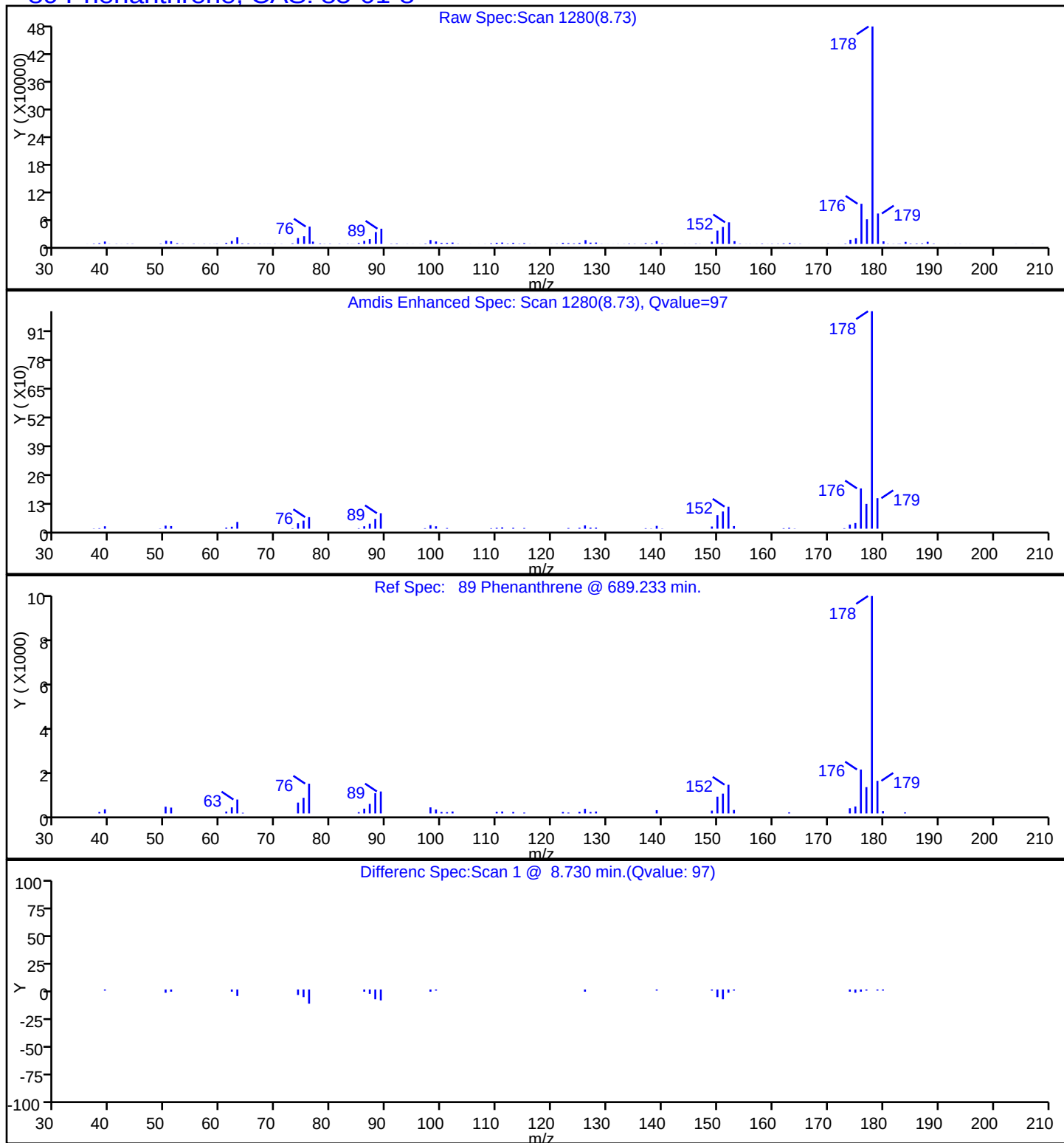
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

89 Phenanthrene, CAS: 85-01-8

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20150822-31004.b\\x5567.D

Injection Date: 22-Aug-2015 12:46:30

Instrument ID: CBNAMS5

Lims ID: 460-99997-E-22-A

Lab Sample ID: 460-99997-22

Client ID: ES-22

Operator ID:

ALS Bottle#: 13

Worklist Smp#: 13

Injection Vol: 1.0 ul

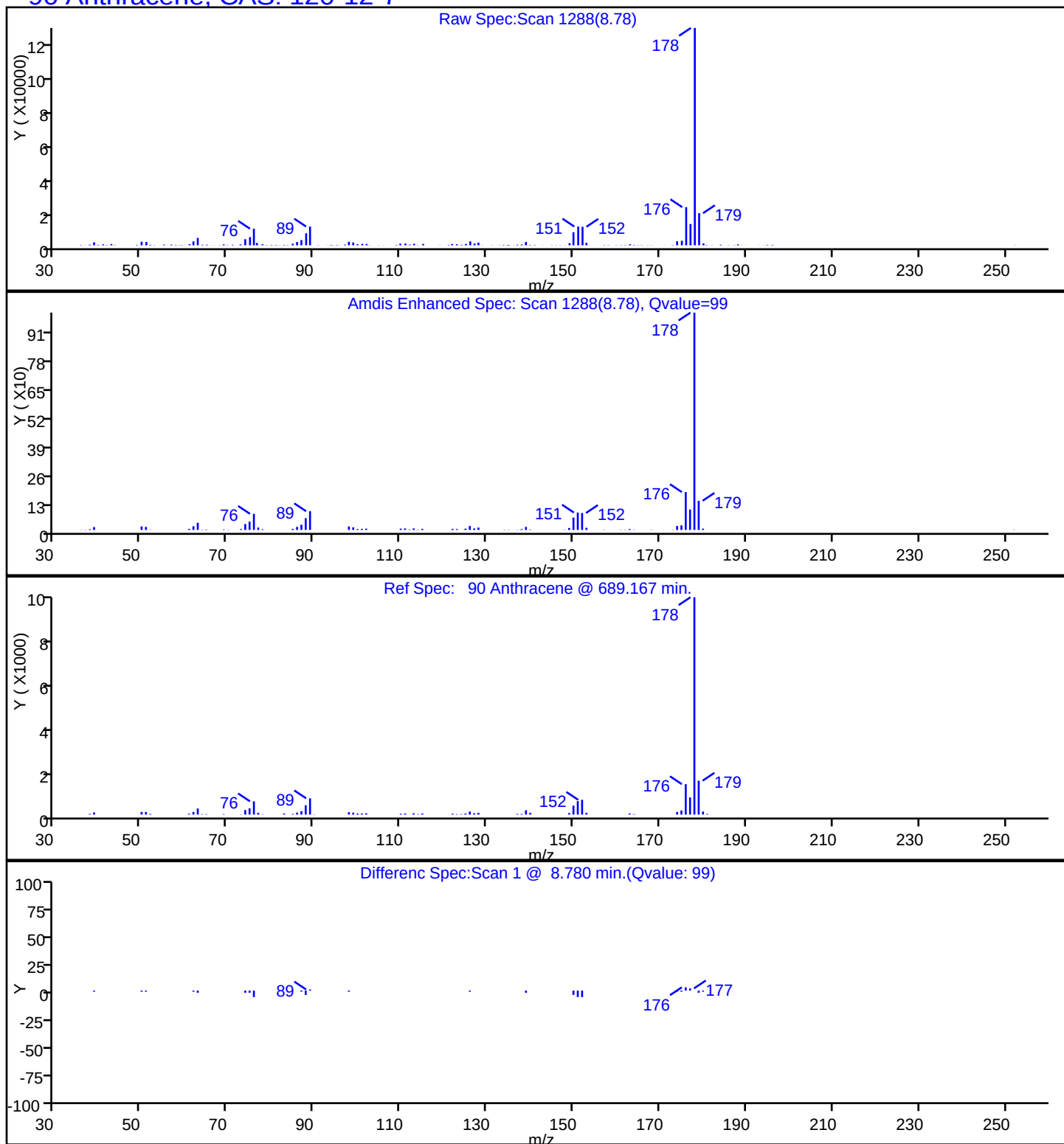
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

90 Anthracene, CAS: 120-12-7

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20150822-31004.b\\x5567.D

Injection Date: 22-Aug-2015 12:46:30

Instrument ID: CBNAMS5

Lims ID: 460-99997-E-22-A

Lab Sample ID: 460-99997-22

Client ID: ES-22

Operator ID:

ALS Bottle#: 13

Worklist Smp#: 13

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

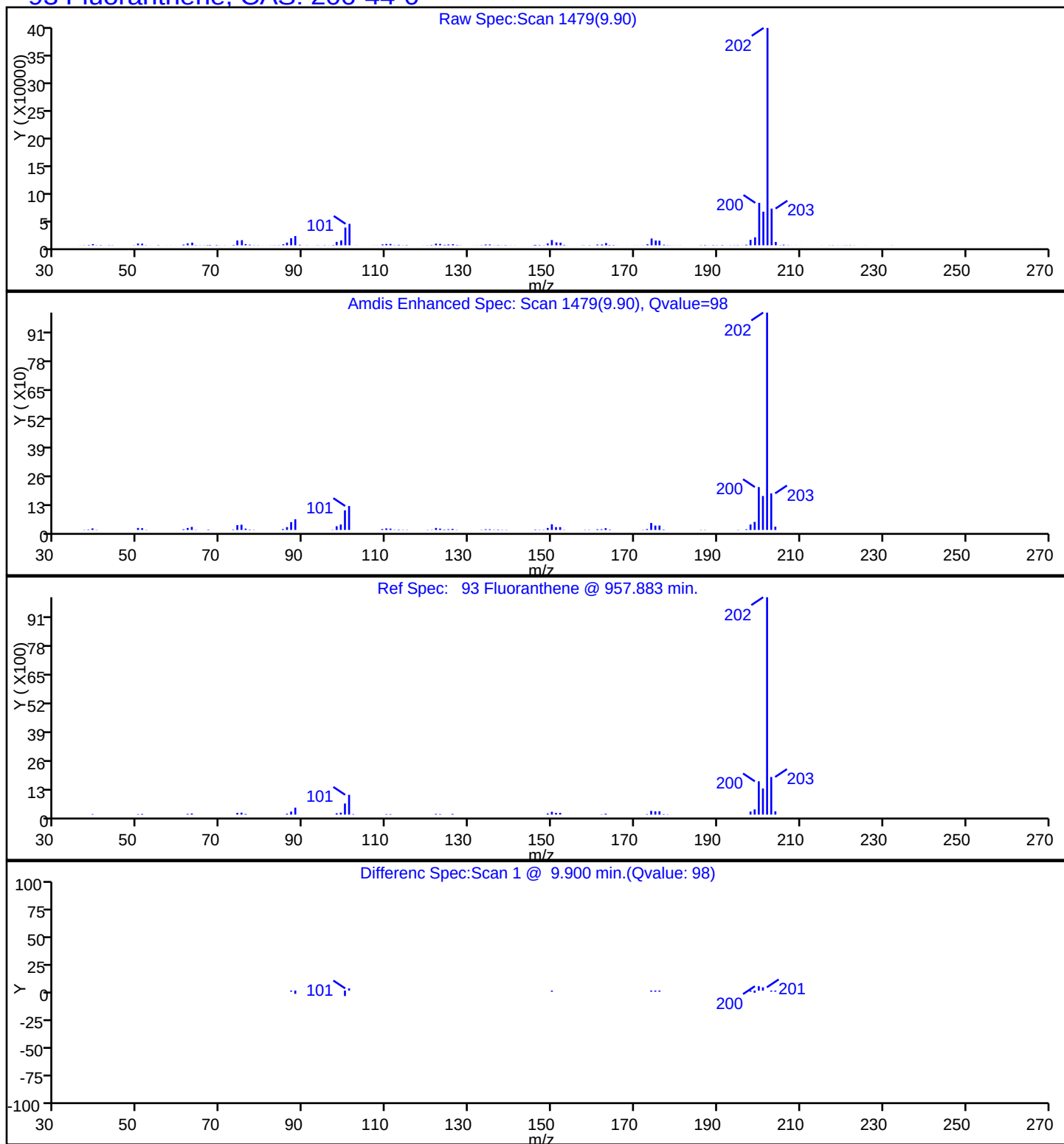
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

93 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150822-31004.b\5567.D

Injection Date: 22-Aug-2015 12:46:30

Instrument ID: CBNAMS5

Lims ID: 460-99997-E-22-A

Lab Sample ID: 460-99997-22

Client ID: ES-22

Operator ID:

ALS Bottle#: 13

Worklist Smp#: 13

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

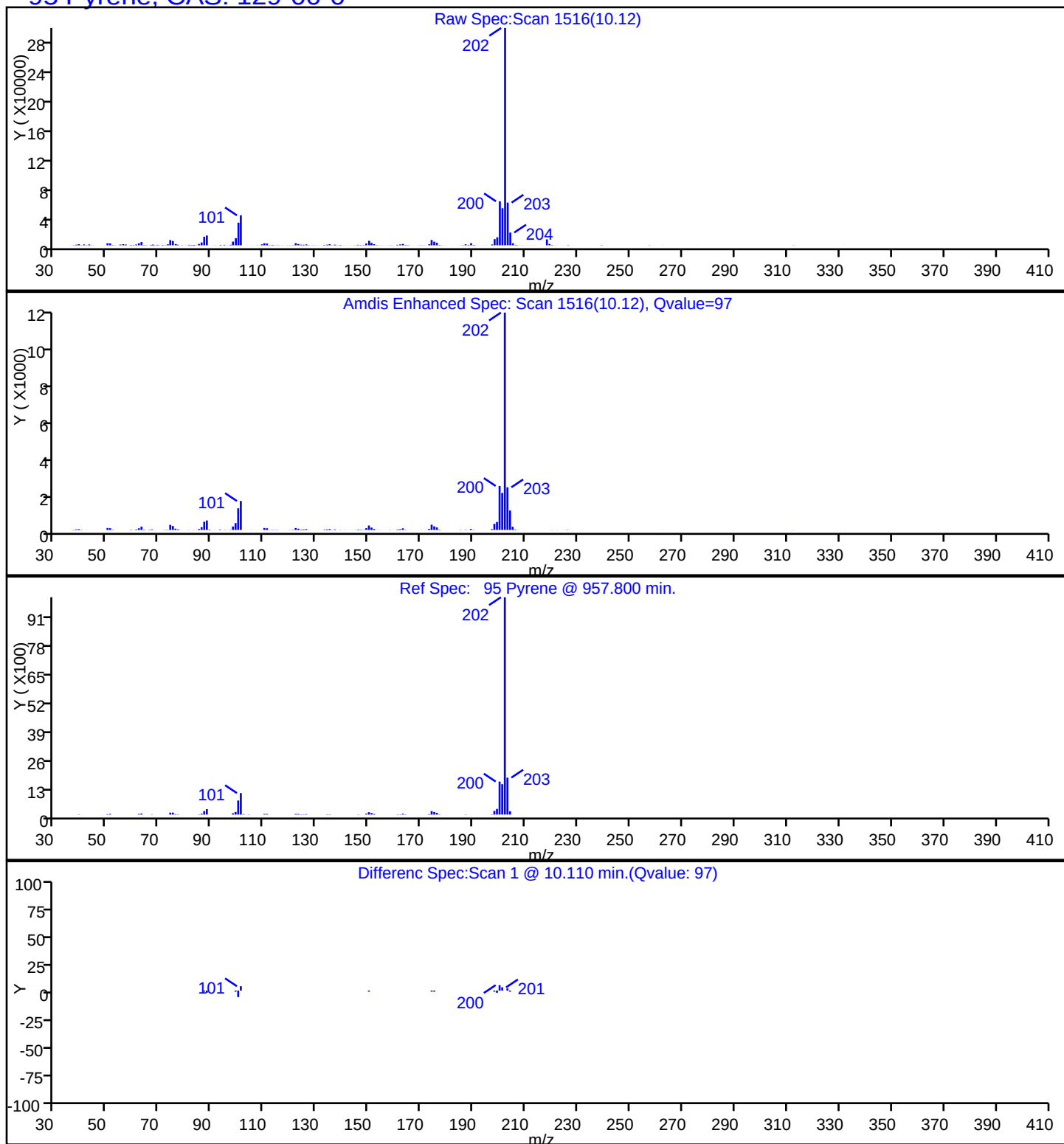
Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

95 Pyrene, CAS: 129-00-0



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20150822-31004.b\\x5567.D

Injection Date: 22-Aug-2015 12:46:30

Instrument ID: CBNAMS5

Lims ID: 460-99997-E-22-A

Lab Sample ID: 460-99997-22

Client ID: ES-22

Operator ID:

ALS Bottle#: 13

Worklist Smp#: 13

Injection Vol: 1.0 ul

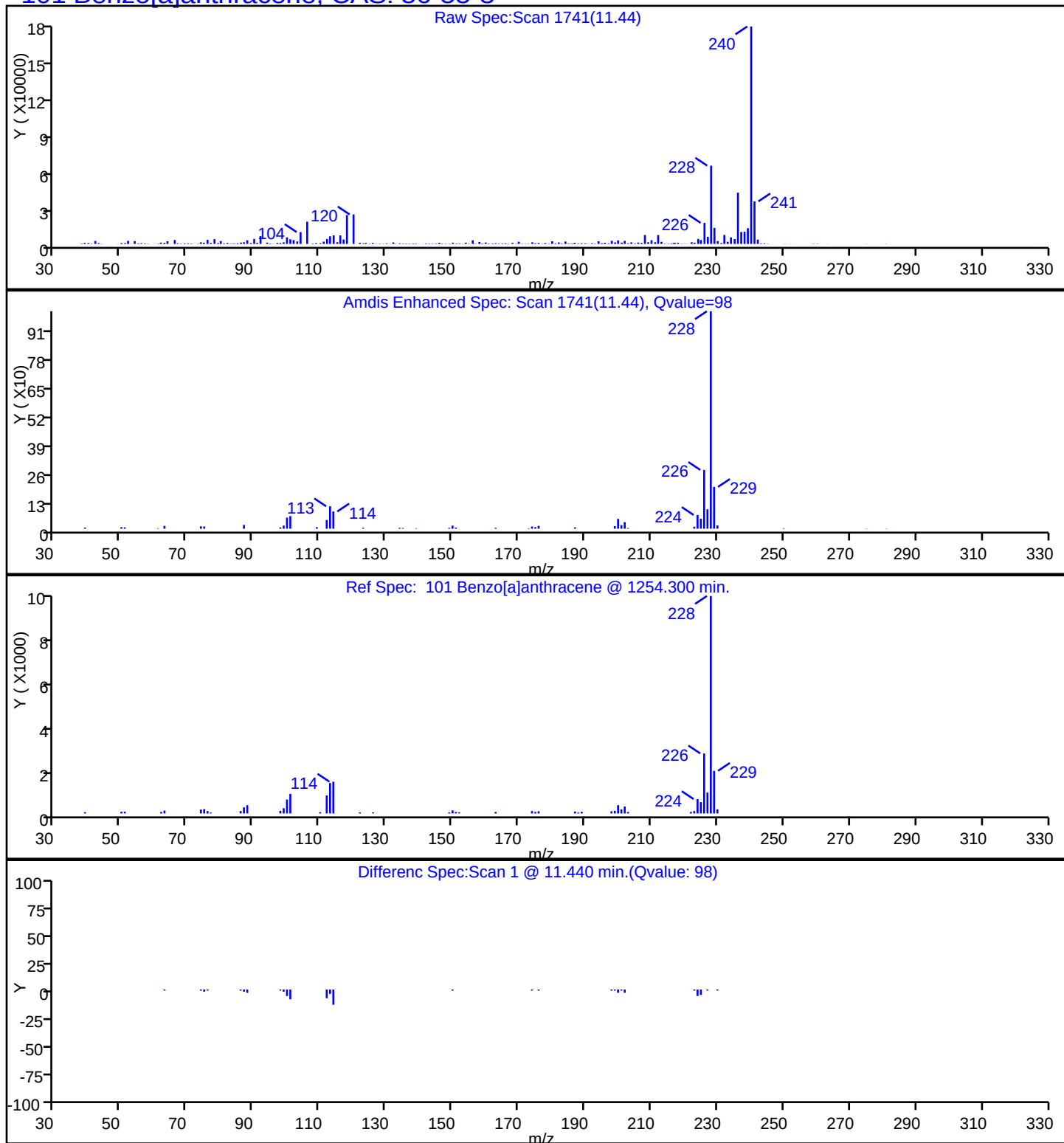
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

101 Benzo[a]anthracene, CAS: 56-55-3

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20150822-31004.b\\x5567.D

Injection Date: 22-Aug-2015 12:46:30

Instrument ID: CBNAMS5

Lims ID: 460-99997-E-22-A

Lab Sample ID: 460-99997-22

Client ID: ES-22

Operator ID:

ALS Bottle#: 13

Worklist Smp#: 13

Injection Vol: 1.0 ul

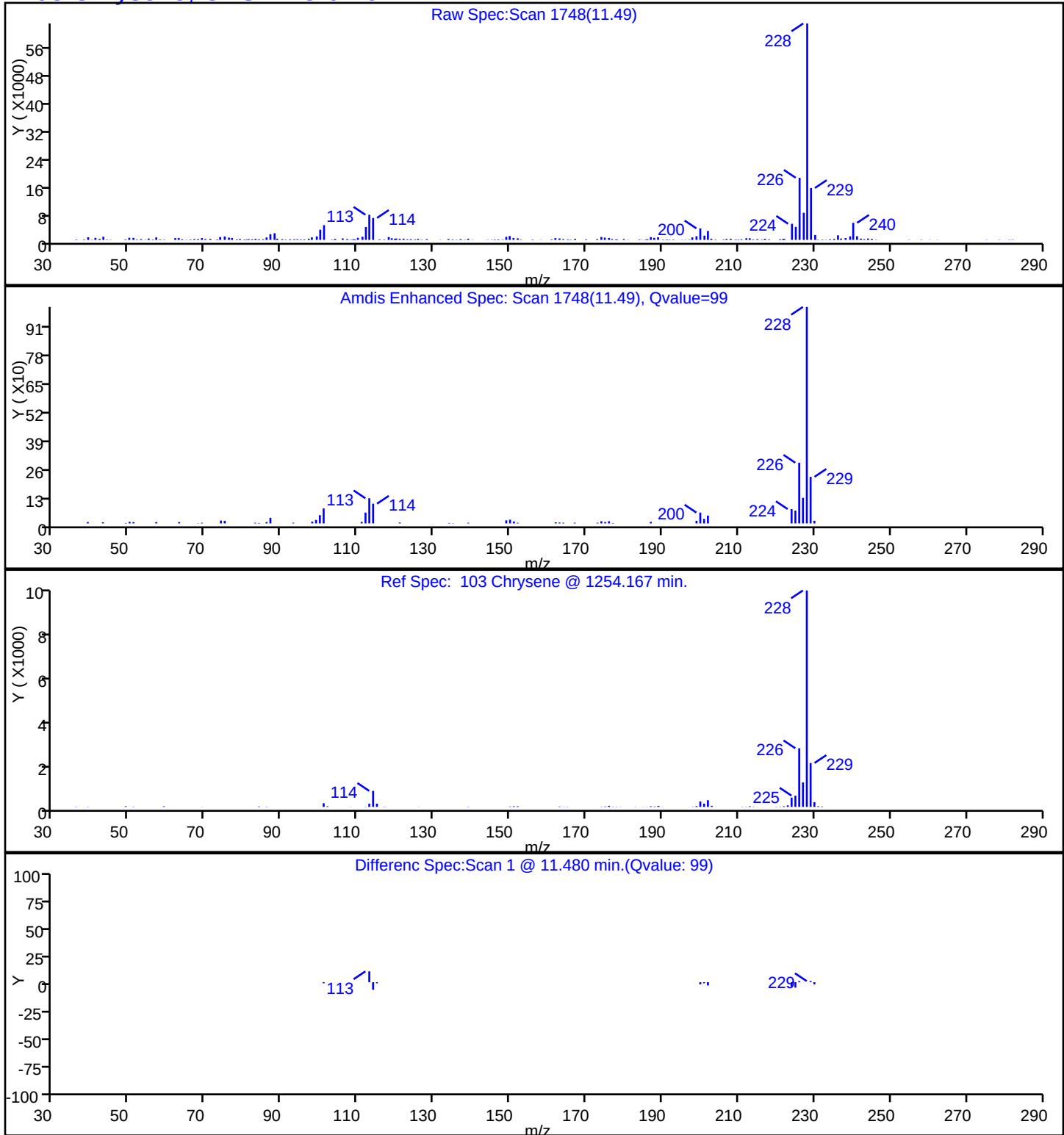
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

103 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20150822-31004.b\\x5567.D

Injection Date: 22-Aug-2015 12:46:30

Instrument ID: CBNAMS5

Lims ID: 460-99997-E-22-A

Lab Sample ID: 460-99997-22

Client ID: ES-22

Operator ID:

ALS Bottle#: 13

Worklist Smp#: 13

Injection Vol: 1.0 ul

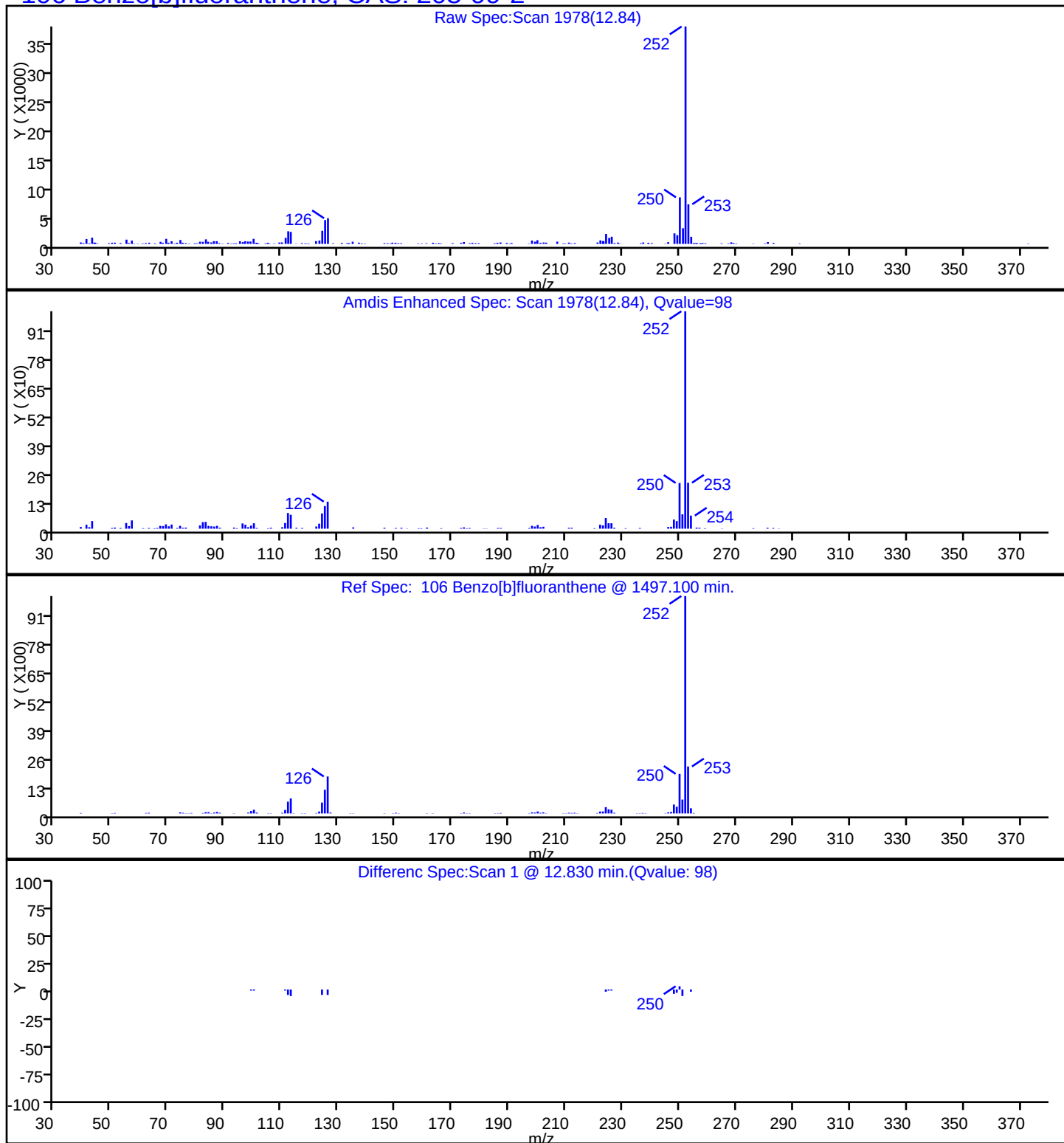
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

106 Benzo[b]fluoranthene, CAS: 205-99-2

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150822-31004.b\5567.D

Injection Date: 22-Aug-2015 12:46:30

Instrument ID: CBNAMS5

Lims ID: 460-99997-E-22-A

Lab Sample ID: 460-99997-22

Client ID: ES-22

Operator ID:

ALS Bottle#: 13

Worklist Smp#: 13

Injection Vol: 1.0 ul

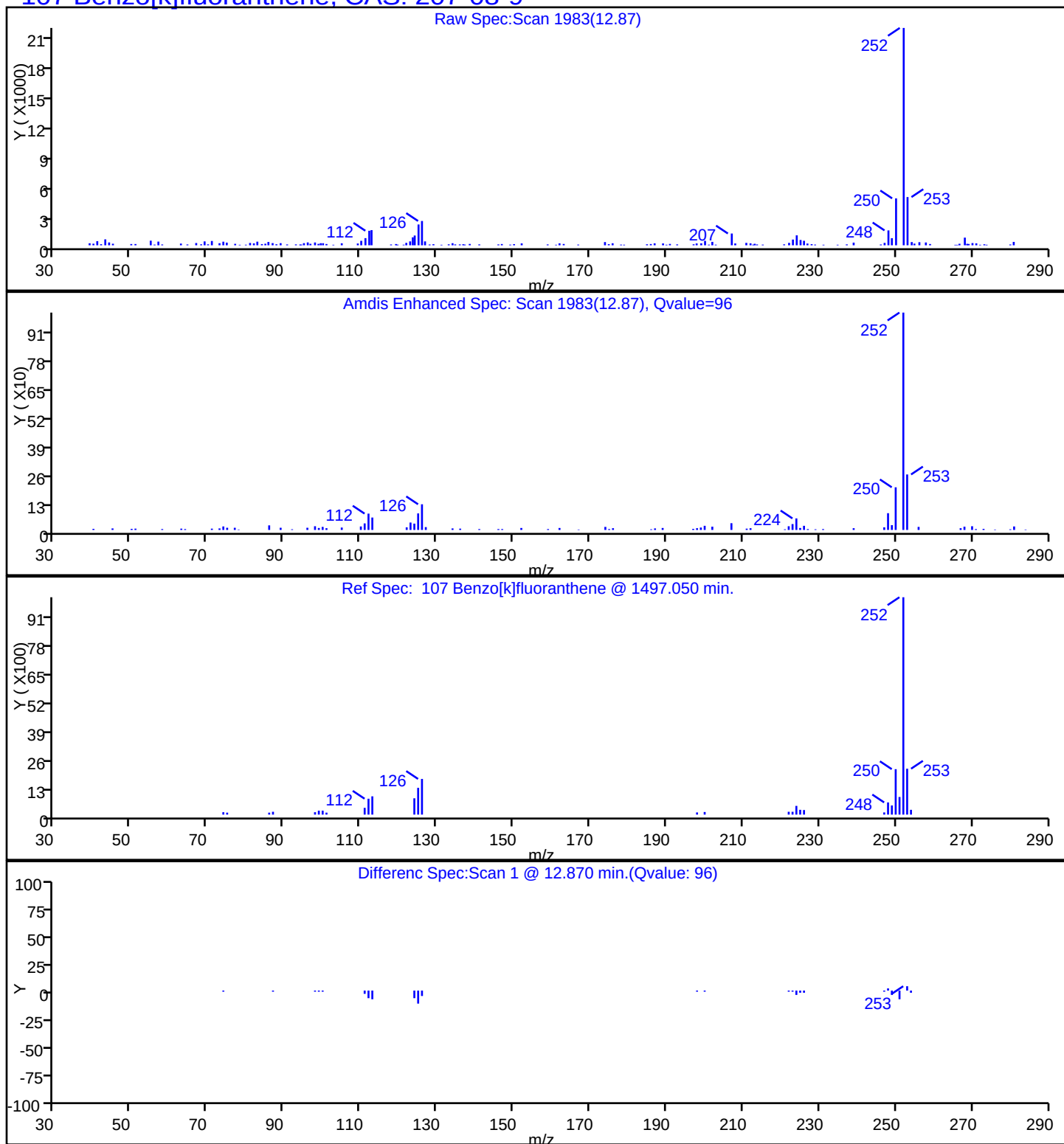
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

107 Benzo[k]fluoranthene, CAS: 207-08-9

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20150822-31004.b\\x5567.D

Injection Date: 22-Aug-2015 12:46:30

Instrument ID: CBNAMS5

Lims ID: 460-99997-E-22-A

Lab Sample ID: 460-99997-22

Client ID: ES-22

Operator ID:

ALS Bottle#: 13

Worklist Smp#: 13

Injection Vol: 1.0 ul

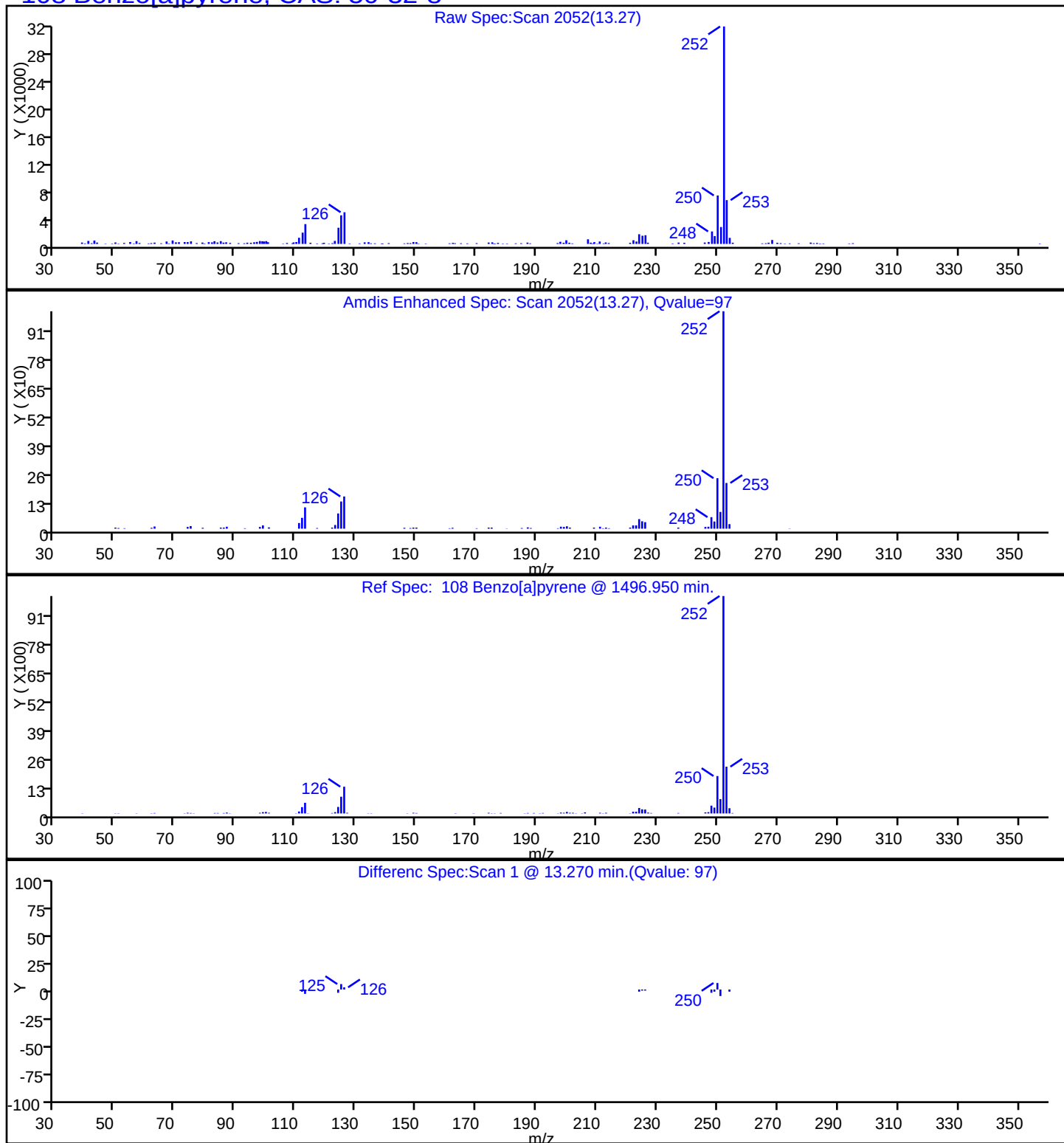
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

108 Benzo[a]pyrene, CAS: 50-32-8

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20150822-31004.b\\x5567.D

Injection Date: 22-Aug-2015 12:46:30

Instrument ID: CBNAMS5

Lims ID: 460-99997-E-22-A

Lab Sample ID: 460-99997-22

Client ID: ES-22

Operator ID:

ALS Bottle#:

13

Worklist Smp#:

13

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

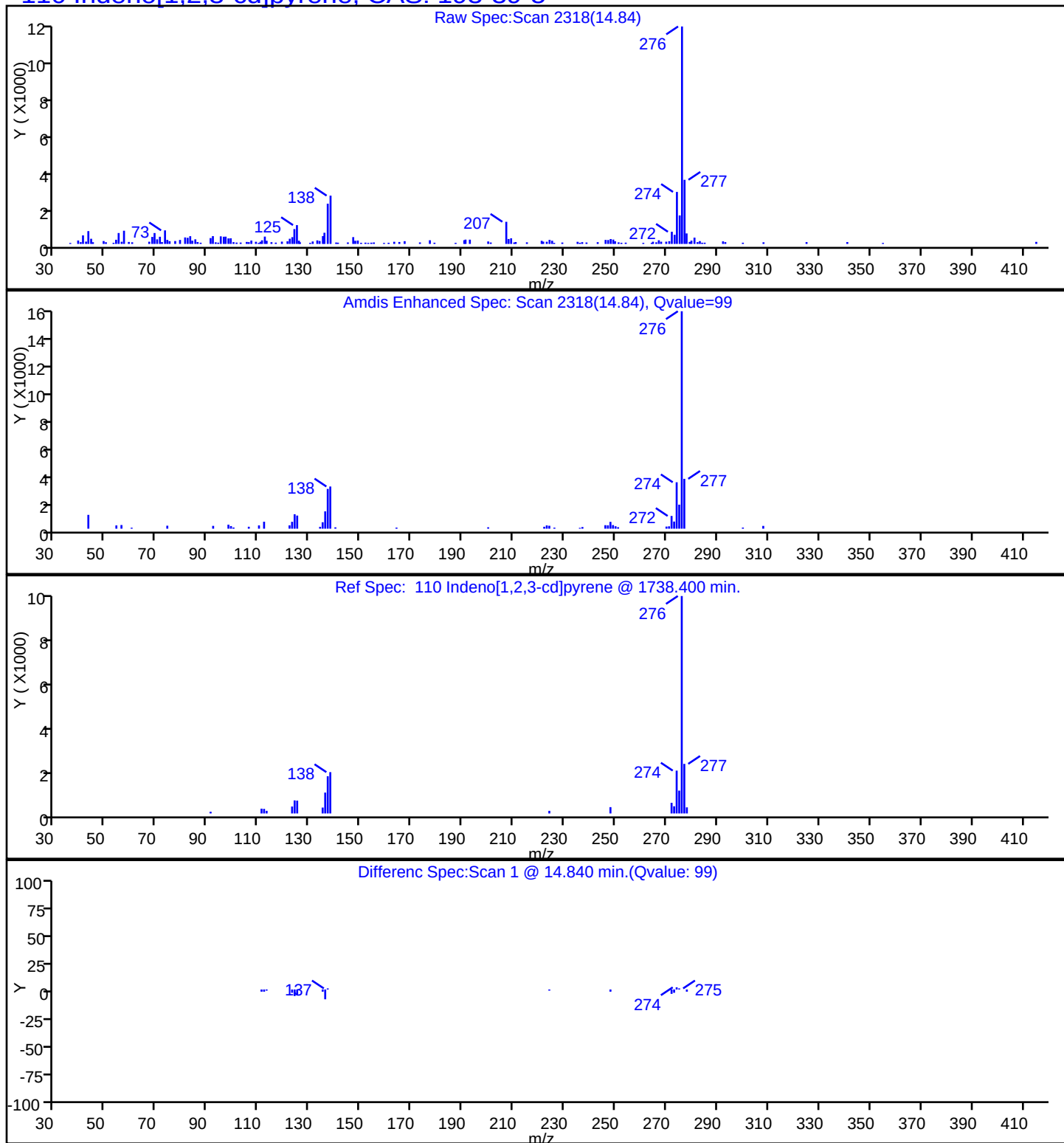
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150822-31004.b\5567.D

Injection Date: 22-Aug-2015 12:46:30

Instrument ID: CBNAMS5

Lims ID: 460-99997-E-22-A

Lab Sample ID: 460-99997-22

Client ID: ES-22

Operator ID:

ALS Bottle#:

13

Worklist Smp#:

13

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_5R

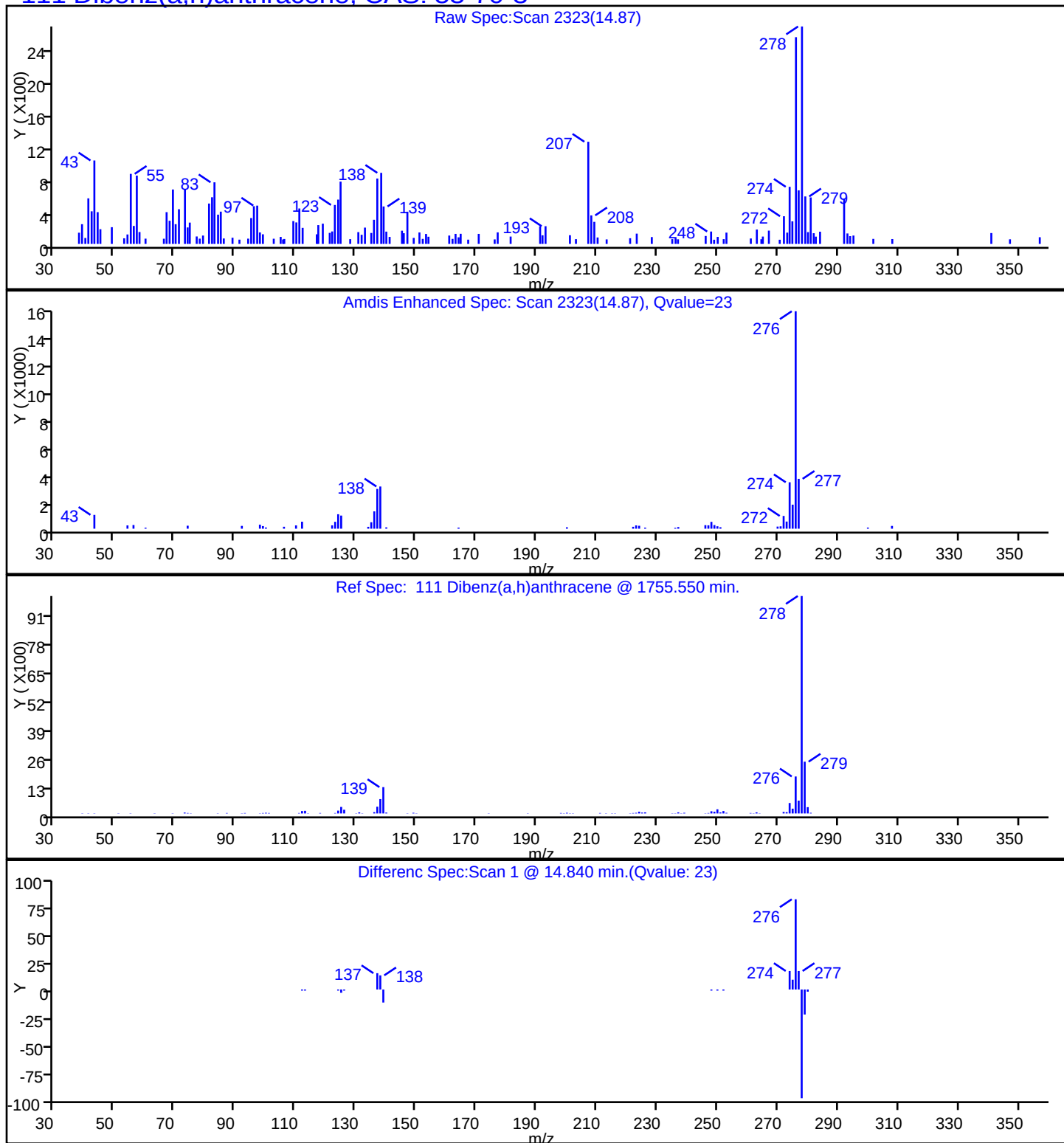
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

111 Dibenz(a,h)anthracene, CAS: 53-70-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150822-31004.b\5567.D

Injection Date: 22-Aug-2015 12:46:30

Instrument ID: CBNAMS5

Lims ID: 460-99997-E-22-A

Lab Sample ID: 460-99997-22

Client ID: ES-22

Operator ID:

ALS Bottle#: 13

Worklist Smp#: 13

Injection Vol: 1.0 ul

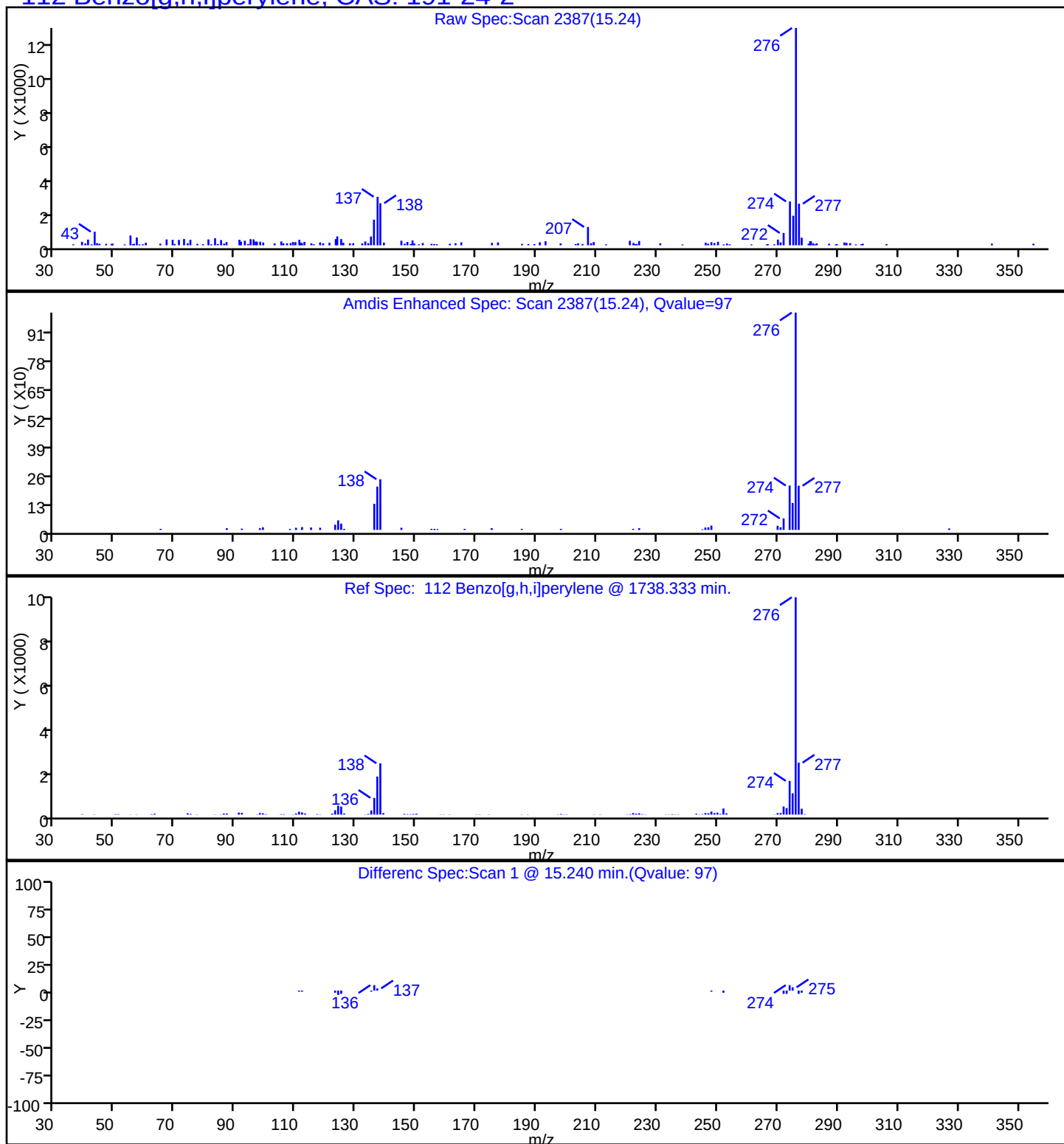
Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

112 Benzo[g,h,i]perylene, CAS: 191-24-2

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 317554

SDG No.: _____

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/19/2015 11:58 Calibration End Date: 08/19/2015 18:18 Calibration ID: 51861

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-317554/20	z35546.D
Level 2	STD1 460-317554/9	z35537.D
Level 3	STD2 460-317554/8	z35536.D
Level 4	STD5 460-317554/7	z35535.D
Level 5	STD10 460-317554/6	z35534.D
Level 6	STD20 460-317554/5	z35533.D
Level 7	ICIS 460-317554/2	z35530.D
Level 8	STD80 460-317554/4	z35532.D
Level 9	STD120 460-317554/3	z35531.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.5826	0.5438	0.5496	0.6482 0.5576	0.6257	Ave		0.5846				7.4		20.0			
N-Nitrosodimethylamine	0.8557	0.8224	0.8151	0.8219 0.8239	0.9158	Ave		0.8425				4.6		20.0			
Pyridine	1.4434	1.3614	1.3383	1.4024 1.3502	1.5272	Ave		1.4038				5.1		20.0			
Phenol	1.6063	1.5414	1.5062	1.5790 1.5153	1.7047	Ave		1.5755		0.8000		4.7		20.0			
Aniline	1.9797	1.9384	1.8882	1.9239 1.8946	2.1183	Ave		1.9572				4.4		20.0			
Bis(2-chloroethyl)ether	1.3859 1.3027	1.1499 1.2324	1.2525 1.2059	1.2792 1.2467	1.3638	Ave		1.2688		0.7000		5.9		20.0			
2-Chlorophenol	1.3604	1.2894	1.2598	1.3149 1.2493	1.4382	Ave		1.3187		0.8000		5.4		20.0			
n-Decane	2.3404	2.2566	2.1900	2.2595 2.2104	2.4834	Ave		2.2901				4.7		20.0			
1,3-Dichlorobenzene	1.5917	1.4811	1.4606	1.5189 1.4670	1.6672	Ave		1.5311				5.4		20.0			
1,4-Dichlorobenzene	1.6001	1.4828	1.4573	1.5438 1.4607	1.7133	Ave		1.5430				6.5		20.0			
Benzyl alcohol	0.8033	0.7802	0.7422	0.8020 0.7590	0.8640	Ave		0.7918				5.4		20.0			
1,2-Dichlorobenzene	1.5132	1.3902	1.3665	1.4743 1.3588	1.5871	Ave		1.4484				6.3		20.0			
2-Methylphenol	1.1500	1.0785	1.0450	1.1509 1.0334	1.2206	Ave		1.1131		0.7000		6.5		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 317554
SDG No.: _____
Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 08/19/2015 11:58 Calibration End Date: 08/19/2015 18:18 Calibration ID: 51861

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,2'-oxybis[1-chloropropane]	2.7256	2.6143	2.5040	2.6911 2.5062	2.8663	Ave		2.6513			0.0100	5.3		20.0			
3 & 4 Methylphenol	1.2583	1.1466	1.1013	1.2646 1.0959	1.3335	Ave		1.2001				8.2		20.0			
4-Methylphenol	1.2583	1.1466	1.1013	1.2646 1.0959	1.3335	Ave		1.2001			0.6000	8.2		20.0			
N-Nitrosodi-n-propylamine	0.9993 0.8449	0.7876 0.8082	0.8663 0.7725	0.8673 0.7718	0.9223	Ave		0.8489			0.5000	8.9		20.0			
Acetophenone	1.5725	1.4549	1.3859	1.5768 1.3672	1.6810	Ave		1.5064			0.0100	8.2		20.0			
Hexachloroethane	0.5630 0.5669	0.4923 0.5362	0.5762 0.5275	0.5434 0.5410	0.6029	Ave		0.5499			0.3000	5.8		20.0			
Nitrobenzene	0.4842 0.5059	0.4366 0.4830	0.4811 0.4669	0.4741 0.4822	0.5373	Ave		0.4835			0.2000	5.7		20.0			
n,n'-Dimethylaniline	1.9524 1.9037	2.0617 1.7894	1.8801 1.7090	1.8829 1.7351	2.1884	Ave		1.9003				8.1		20.0			
Isophorone	0.5916	0.5657	0.5910 0.5414	0.5794 0.5230	0.6277	Ave		0.5742			0.4000	6.0		20.0			
2-Nitrophenol	0.1905	0.1773	0.1783	0.1703 0.1801	0.1995	Ave		0.1827			0.1000	5.7		20.0			
2,4-Dimethylphenol	0.3142	0.2949	0.2852	0.2955 0.2902	0.3278	Ave		0.3013			0.2000	5.4		20.0			
Bis(2-chloroethoxy)methane	0.3854	0.3659	0.3578	0.3734 0.3602	0.4100	Ave		0.3755			0.3000	5.2		20.0			
Benzoic acid	0.1403	0.1315	0.1460	0.0854 0.1491	0.1370	Lin2	-0.286	0.1502			0.0100				0.9930		0.9900
2,4-Dichlorophenol	0.2953	0.2727	0.2668	0.2706 0.2674	0.3047	Ave		0.2796			0.2000	5.8		20.0			
1,2,4-Trichlorobenzene	0.3510 0.3191	0.2667 0.2982	0.3047 0.2940	0.3043 0.2968	0.3386	Ave		0.3082				8.2		20.0			
Naphthalene	1.0244	0.9646	0.9314	0.9921 0.9416	1.0895	Ave		0.9906			0.7000	6.0		20.0			
4-Chloroaniline	0.4102	0.3796	0.3629	0.3911 0.3617	0.4330	Ave		0.3897			0.0100	7.2		20.0			
Hexachlorobutadiene	0.1661	0.1419 0.1550	0.1521 0.1541	0.1586 0.1574	0.1741	Ave		0.1574			0.0100	6.1		20.0			
4-Chloro-3-methylphenol	0.2455	0.2358	0.2218	0.2409 0.2245	0.2613	Ave		0.2383			0.2000	6.1		20.0			
2-Methylnaphthalene	0.6777	0.6338	0.6156	0.6551 0.6118	0.7188	Ave		0.6521			0.4000	6.3		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 317554
SDG No.: _____
Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 08/19/2015 11:58 Calibration End Date: 08/19/2015 18:18 Calibration ID: 51861

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1-Methylnaphthalene	0.5837	0.5420	0.5266	0.5644 0.5226	0.6141	Ave		0.5589				6.4		20.0			
Hexachlorocyclopentadiene	0.3957	0.3836	0.3947	0.3459 0.3948	0.4031	Ave		0.3863			0.0500	5.4		20.0			
1,2,4,5-Tetrachlorobenzene	0.6123	0.5620	0.5737	0.6007 0.5641	0.6538	Ave		0.5944			0.0100	6.0		20.0			
2-tertbutyl-4-methylphenol	0.4346	0.4147	0.3903	0.4140 0.4004	0.4963	Ave		0.4251				8.9		20.0			
2,4,6-Trichlorophenol	0.3802	0.3621	0.3334 0.3635	0.3605 0.3658	0.4004	Ave		0.3666			0.2000	5.6		20.0			
2,4,5-Trichlorophenol	0.4018	0.3807	0.3741	0.3760 0.3716	0.4080	Ave		0.3854			0.2000	4.0		20.0			
1,1'-Biphenyl	1.6979	1.5895	1.5737	1.6635 1.5907	1.8026	Ave		1.6530			0.0100	5.3		20.0			
2-Chloronaphthalene	1.2599	1.1882	1.1779	1.2156 1.1730	1.3452	Ave		1.2266			0.8000	5.4		20.0			
Phenyl ether	0.8679	0.8325	0.8259	0.8256 0.8510	0.9723	Ave		0.8625				6.5		20.0			
2-Nitroaniline	0.3916	0.3732	0.3744	0.3566 0.3822	0.4109	Ave		0.3815			0.0100	4.8		20.0			
1,3-Dimethylnaphthalene	1.0885	0.9940	0.9834	1.0809 0.9954	1.2595	Ave		1.0669				9.8		20.0			
Dimethyl phthalate	1.1406	1.0651	1.0457	1.1251 1.0503	1.1951	Ave		1.1037			0.0100	5.4		20.0			
Coumarin	0.1614	0.1566	0.1431	0.1607 0.1491	0.1859	Ave		0.1595				9.2		20.0			
2,6-Dinitrotoluene	0.2622	0.1851 0.2444	0.2241 0.2497	0.2366 0.2487	0.2697	Lin2	-0.069	0.2564			0.2000				0.9980		0.9900
Acenaphthylene	1.9139	1.7966	1.7611	1.8347 1.7652	2.0254	Ave		1.8495			0.9000	5.6		20.0			
3-Nitroaniline	0.2763	0.2542	0.2557	0.2623 0.2602	0.2791	Ave		0.2646			0.0100	4.0		20.0			
3,5-di-tert-butyl-4-hydroxytol	1.1183	1.0731	1.0722	1.0128 1.1112	1.2528	Ave		1.1067				7.3		20.0			
Acenaphthene	1.2429	1.1714	1.1679	1.1910 1.1002	1.3066	Ave		1.1967			0.9000	5.9		20.0			
2,4-Dinitrophenol	0.1034	0.0991	0.0366 0.1132	0.0644 0.1181	0.0913	Lin2	-0.314	0.1094			0.0100				0.9920		0.9900
4-Nitrophenol	0.1709	0.1650	0.1642	0.1612 0.1687	0.1755	Ave		0.1676			0.0100	3.1		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 317554
SDG No.: _____
Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 08/19/2015 11:58 Calibration End Date: 08/19/2015 18:18 Calibration ID: 51861

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,4-Dinitrotoluene	0.2898	0.2153 0.2838	0.2439 0.2807	0.2675 0.2860	0.2992	Lin2	-0.076	0.2888			0.2000				0.9990		0.9900
Dibenzofuran	1.6116	1.5102	1.4857	1.5630 1.4861	1.6895	Ave		1.5577			0.8000	5.2		20.0			
2,3,4,6-Tetrachlorophenol	0.2467	0.2204	0.2229	0.2214 0.2191	0.2398	Ave		0.2284			0.0100	5.2		20.0			
Diethyl phthalate	1.0236	0.9708	0.9192	1.0389 0.9037	1.0770	Ave		0.9889			0.0100	7.0		20.0			
4-Chlorophenyl phenyl ether	0.5679	0.5227	0.5075	0.5472 0.4972	0.5995	Ave		0.5403			0.4000	7.2		20.0			
Fluorene	1.2466	1.1645	1.1191	1.2141 1.1153	1.3139	Ave		1.1956			0.9000	6.5		20.0			
4-Nitroaniline	0.2372	0.2337	0.2201	0.2200 0.2067	0.2404	Ave		0.2263			0.0100	5.7		20.0			
4,6-Dinitro-2-methylphenol	0.1091	0.1017	0.0526 0.1131	0.0771 0.1174	0.1022	Lin2	-0.251	0.1122			0.0100				0.9960		0.9900
N-Nitrosodiphenylamine	0.8329	0.7556	0.7897 0.7639	0.7808 0.7526	0.8801	Ave		0.7937			0.0100	5.9		20.0			
1,2-Diphenylhydrazine	0.9321	0.8930	0.8902	0.8610 0.8979	0.9946	Ave		0.9115				5.1		20.0			
4-Bromophenyl phenyl ether	0.2279	0.2167	0.2153	0.2163 0.2158	0.2435	Ave		0.2226			0.1000	5.1		20.0			
Hexachlorobenzene	0.2344 0.2413	0.1953 0.2232	0.2248 0.2255	0.2251 0.2267	0.2502	Ave		0.2274			0.1000	6.7		20.0			
Pentachlorophenol	0.1182	0.1132	0.0779 0.1160	0.0949 0.1201	0.1177	Ave		0.1083			0.0500	14.7		20.0			
Pentachloronitrobenzene	0.0799	0.0749	0.0754	0.0743 0.0808	0.0923	Ave		0.0796			0.0100	8.5		20.0			
n-Octadecane	0.8886	0.8682	0.8745	0.7535 0.9005	0.8965	Ave		0.8636				6.4		20.0			
Phenanthrene	1.1858	1.1026	1.0926	1.1619 1.1158	1.2499	Ave		1.1514			0.7000	5.2		20.0			
Anthracene	1.1972	1.1235	1.1088	1.1625 1.1154	1.2515	Ave		1.1598			0.7000	4.8		20.0			
Carbazole	0.9636	0.9214	0.8716	0.9611 0.9051	1.0232	Ave		0.9410			0.0100	5.7		20.0			
Di-n-butyl phthalate	1.0769	1.0518	1.0080	1.0435 1.0707	1.1114	Ave		1.0604			0.0100	3.3		20.0			
Fluoranthene	0.9097	0.8821	0.8334	0.8737 0.8884	0.9313	Ave		0.8864			0.6000	3.8		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 317554
SDG No.: _____
Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 08/19/2015 11:58 Calibration End Date: 08/19/2015 18:18 Calibration ID: 51861

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Benzidine	0.4505	0.4542	0.4260	0.3642 0.4906	0.3792	Ave		0.4275				11.3		20.0			
Pyrene	2.0076	1.9349	1.8726	1.9815 1.8741	2.1900	Ave		1.9768			0.6000	6.0		20.0			
Bisphenol-A	0.5078	0.5377	0.5675	0.5376 0.5907	0.5194	Ave		0.5435				5.7		20.0			
Butyl benzyl phthalate	0.6882	0.6822	0.6747	0.6449 0.6987	0.7344	Ave		0.6872			0.0100	4.3		20.0			
2,3,7,8-TCDD		0.1850				Ave		0.1850						20.0			
Carbamazepine	0.4051	0.4057	0.4386	0.3421 0.4747	0.4187	Ave		0.4141				10.6		20.0			
3,3'-Dichlorobenzidine	0.3973	0.3802	0.3380 0.3858	0.3273 0.4043	0.3490	Ave		0.3689			0.0100	8.2		20.0			
Benzo[a]anthracene	1.4429 1.1722	1.1197 1.1340	1.2232 1.1315	1.1232 1.1777	1.2528	Ave		1.1975			0.8000	8.6		20.0			
Bis(2-ethylhexyl) phthalate	0.8906	0.9206	0.9083	0.8149 0.9079	0.9296	Ave		0.8953			0.0100	4.6		20.0			
Chrysene	1.0905	1.0362	1.0295	1.0406 1.0669	1.1587	Ave		1.0704			0.7000	4.6		20.0			
Di-n-octyl phthalate	1.8540	1.8622	1.7584	1.6800 1.7457	1.8335	Ave		1.7890			0.0100	4.1		20.0			
Benzo[b]fluoranthene	1.4105 1.2367	1.0289 1.1604	1.1740 1.1636	1.1494 1.2207	1.3111	Ave		1.2061			0.7000	9.0		20.0			
Benzo[k]fluoranthene	1.3380 1.2510	1.0313 1.1820	1.2306 1.1885	1.1873 1.1469	1.2875	Ave		1.2048			0.7000	7.3		20.0			
Benzo[a]pyrene	1.0915 1.1205	0.9514 1.0391	1.0261 1.0838	1.0211 1.0971	1.1577	Ave		1.0654			0.7000	5.8		20.0			
Indeno[1,2,3-cd]pyrene	0.7425 0.9070	0.5756 0.8922	0.7606 0.9820	0.7486 +++++	0.8993	Ave		0.8135			0.5000	16.1		20.0			
Dibenz(a,h)anthracene	0.6854 0.8991	0.6267 0.8607	0.8038 0.9293	0.7645 0.9562	0.9053	Ave		0.8257			0.4000	13.8		20.0			
Benzo[g,h,i]perylene	0.8696	0.8482	0.9375	0.7697 0.9615	0.9077	Ave		0.8824			0.5000	7.8		20.0			
2-Fluorophenol (Surr)	1.3491 1.2951	1.1350 1.2318	1.4899 1.2315	1.2103	1.3258	Ave		1.2836				8.4		20.0			
Phenol-d5 (Surr)	1.5076	1.6869 1.4542	1.3226 1.4216	1.7385 1.3757	1.5559	Ave		1.5079				9.7		20.0			
Nitrobenzene-d5	0.3542 0.3576	0.3845 0.3465	0.2973 0.3442	0.3982 0.3413	0.3589	Ave		0.3537				8.0		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 317554

SDG No.: _____

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/19/2015 11:58 Calibration End Date: 08/19/2015 18:18 Calibration ID: 51861

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8	LVL 9													
2-Fluorobiphenyl	1.5620 1.4858	1.5374 1.4132	1.2453 1.4523	1.6475 1.4216	1.5293	Ave		1.4772				7.7		20.0			
2,4,6-Tribromophenol (Surr)	0.1295	0.1397 0.1195	0.0900 0.1241	0.1389 0.1195	0.1331	Ave		0.1243				12.8		20.0			
Terphenyl-d14	1.1835 1.1943	1.2791 1.1739	1.0164 1.1736	1.3657 1.1586	1.2844	Ave		1.2033				8.2		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 317554

SDG No.: _____

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/19/2015 11:58 Calibration End Date: 08/19/2015 18:18 Calibration ID: 51861

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-317554/20	z35546.D
Level 2	STD1 460-317554/9	z35537.D
Level 3	STD2 460-317554/8	z35536.D
Level 4	STD5 460-317554/7	z35535.D
Level 5	STD10 460-317554/6	z35534.D
Level 6	STD20 460-317554/5	z35533.D
Level 7	ICIS 460-317554/2	z35530.D
Level 8	STD80 460-317554/4	z35532.D
Level 9	STD120 460-317554/3	z35531.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCB	Ave	116401	236599	383599	35469 519293	67854	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodimethylamine	DCB	Ave	170969	357841	568927	44971 767319	99320	20.0	50.0	80.0	5.00 120	10.0
Pyridine	DCB	Ave	288411	592356	934095	76737 1257489	165623	20.0	50.0	80.0	5.00 120	10.0
Phenol	DCB	Ave	320960	670657	1051323	86402 1411233	184871	20.0	50.0	80.0	5.00 120	10.0
Aniline	DCB	Ave	395565	843410	1317963	105275 1764543	229721	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethyl)ether	DCB	Ave	7926 260285	14808 536230	27953 841704	69998 1161080	147897	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Chlorophenol	DCB	Ave	271830	561006	879358	71952 1163568	155969	20.0	50.0	80.0	5.00 120	10.0
n-Decane	DCB	Ave	467626	981846	1528613	123638 2058665	269321	20.0	50.0	80.0	5.00 120	10.0
1,3-Dichlorobenzene	DCB	Ave	318027	644448	1019474	83114 1366258	180807	20.0	50.0	80.0	5.00 120	10.0
1,4-Dichlorobenzene	DCB	Ave	319713	645167	1017160	84477 1360438	185798	20.0	50.0	80.0	5.00 120	10.0
Benzyl alcohol	DCB	Ave	160500	339473	518015	43884 706913	93701	20.0	50.0	80.0	5.00 120	10.0
1,2-Dichlorobenzene	DCB	Ave	302354	604893	953826	80672 1265515	172114	20.0	50.0	80.0	5.00 120	10.0
2-Methylphenol	DCB	Ave	229785	469251	729429	62978 962490	132373	20.0	50.0	80.0	5.00 120	10.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	544601	1137506	1747801	147255 2334116	310843	20.0	50.0	80.0	5.00 120	10.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 317554

SDG No.: _____

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/19/2015 11:58 Calibration End Date: 08/19/2015 18:18 Calibration ID: 51861

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
3 & 4 Methylphenol	DCB	Ave	251425	498911	768704	69199 1020663	144619	20.0	50.0	80.0	5.00 120	10.0
4-Methylphenol	DCB	Ave	251425	498911	768704	69199 1020663	144619	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodi-n-propylamine	DCB	Ave	5715 168824	10142 351655	19333 539221	47457 718809	100024	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Acetophenone	DCB	Ave	314197	633040	967362	86278 1273354	182302	20.0	50.0	80.0	5.00 120	10.0
Hexachloroethane	DCB	Ave	3220 113264	6339 233285	12860 368217	29735 503875	65385	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene	NPT	Ave	9784 343028	20223 710670	36930 1090964	90529 1466188	200107	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
n,n'-Dimethylaniline	DCB	Ave	11166 380372	26549 778591	41960 1192888	103029 1616014	237324	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Isophorone	NPT	Ave	401092	832235	1265058	45366 1590226	110630 233759	20.0	50.0	2.00 80.0	5.00 120	10.0
2-Nitrophenol	NPT	Ave	129164	260822	416704	32522 547532	74280	20.0	50.0	80.0	5.00 120	10.0
2,4-Dimethylphenol	NPT	Ave	213002	433862	666553	56417 882392	122096	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	261281	538302	836174	71299 1095255	152700	20.0	50.0	80.0	5.00 120	10.0
Benzoic acid	NPT	Lin2	95096	193453	341112	16316 453253	51022	20.0	50.0	80.0	5.00 120	10.0
2,4-Dichlorophenol	NPT	Ave	200181	401184	623542	51678 812977	113481	20.0	50.0	80.0	5.00 120	10.0
1,2,4-Trichlorobenzene	NPT	Ave	7093 216359	12353 438766	23391 687130	58105 902423	126099	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Naphthalene	NPT	Ave	694547	1419225	2176464	189446 2862991	405748	20.0	50.0	80.0	5.00 120	10.0
4-Chloroaniline	NPT	Ave	278133	558414	847970	74685 1099845	161249	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobutadiene	NPT	Ave	112626	228021	360124	6574 478486	64845	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
4-Chloro-3-methylphenol	NPT	Ave	166475	346957	518348	46008 682476	97298	20.0	50.0	80.0	5.00 120	10.0
2-Methylnaphthalene	NPT	Ave	459460	932437	1438634	125081 1860178	267699	20.0	50.0	80.0	5.00 120	10.0
1-Methylnaphthalene	NPT	Ave	395777	797487	1230475	107769 1588865	228693	20.0	50.0	80.0	5.00 120	10.0
Hexachlorocyclopentadiene	ANT	Ave	117507	248898	387424	29384 504745	66711	20.0	50.0	80.0	5.00 120	10.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 317554

SDG No.: _____

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/19/2015 11:58 Calibration End Date: 08/19/2015 18:18 Calibration ID: 51861

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,2,4,5-Tetrachlorobenzene	ANT	Ave	181830	364601	563121	51028 721168	108203	20.0	50.0	80.0	5.00 120	10.0
2-tertbutyl-4-methylphenol	NPT	Ave	294666	610176	911943	79061 1217470	184823	20.0	50.0	80.0	5.00 120	10.0
2,4,6-Trichlorophenol	ANT	Ave	112915	234906	11471 356831	30624 467671	66258	20.0	50.0	2.00 80.0	5.00 120	10.0
2,4,5-Trichlorophenol	ANT	Ave	119325	246976	367211	31939 475085	67521	20.0	50.0	80.0	5.00 120	10.0
1,1'-Biphenyl	ANT	Ave	504228	1031238	1544746	141321 2033449	298326	20.0	50.0	80.0	5.00 120	10.0
2-Chloronaphthalene	ANT	Ave	374170	770906	1156277	103265 1499435	222622	20.0	50.0	80.0	5.00 120	10.0
Phenyl ether	ANT	Ave	257731	540133	810702	70136 1087872	160915	20.0	50.0	80.0	5.00 120	10.0
2-Nitroaniline	ANT	Ave	116290	242118	367559	30291 488569	68001	20.0	50.0	80.0	5.00 120	10.0
1,3-Dimethylnaphthalene	ANT	Ave	323249	644918	965269	91828 1272452	208446	20.0	50.0	80.0	5.00 120	10.0
Dimethyl phthalate	ANT	Ave	338743	691060	1026418	95584 1342637	197791	20.0	50.0	80.0	5.00 120	10.0
Coumarin	NPT	Ave	109422	230392	334355	30681 453490	69229	20.0	50.0	80.0	5.00 120	10.0
2,6-Dinitrotoluene	ANT	Lin2	77874	4026 158533	7708 245085	20100 317901	44637	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Acenaphthylene	ANT	Ave	568384	1165609	1728703	155861 2256562	335211	20.0	50.0	80.0	5.00 120	10.0
3-Nitroaniline	ANT	Ave	82058	164938	250992	22285 332651	46191	20.0	50.0	80.0	5.00 120	10.0
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	332117	696225	1052472	86042 1420471	207331	20.0	50.0	80.0	5.00 120	10.0
Acenaphthene	ANT	Ave	369123	759990	1146380	101179 1406397	216234	20.0	50.0	80.0	5.00 120	10.0
2,4-Dinitrophenol	ANT	Lin2	61441	128558	222272	2516 301878	30208	40.0	100	4.00 160	10.0 240	20.0
4-Nitrophenol	ANT	Ave	101524	214112	322267	27387 431189	58087	40.0	100	160	10.0 240	20.0
2,4-Dinitrotoluene	ANT	Lin2	86053	4683 184122	8390 275558	22724 365626	49510	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenzofuran	ANT	Ave	478611	979806	1458359	132781 1899806	279615	20.0	50.0	80.0	5.00 120	10.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	73278	143011	218774	18812 280132	39695	20.0	50.0	80.0	5.00 120	10.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 317554

SDG No.: _____

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/19/2015 11:58 Calibration End Date: 08/19/2015 18:18 Calibration ID: 51861

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Diethyl phthalate	ANT	Ave	303979	629838	902275	88254 1155295	178245	20.0	50.0	80.0	5.00 120	10.0
4-Chlorophenyl phenyl ether	ANT	Ave	168645	339117	498205	46490 635554	99220	20.0	50.0	80.0	5.00 120	10.0
Fluorene	ANT	Ave	370223	755498	1098540	103138 1425716	217448	20.0	50.0	80.0	5.00 120	10.0
4-Nitroaniline	ANT	Ave	70431	151618	216032	18686 264289	39786	20.0	50.0	80.0	5.00 120	10.0
4,6-Dinitro-2-methylphenol	PHN	Lin2	75908	160526	4455 256806	16331 350435	39922	40.0	100	4.00 160	10.0 240	20.0
N-Nitrosodiphenylamine	PHN	Ave	492486	1013973	56875 1474789	140541 1910074	292294	34.0	85.0	3.40 136	8.50 204	17.0
1,2-Diphenylhydrazine	PHN	Ave	324219	704874	1010858	91162 1340421	194305	20.0	50.0	80.0	5.00 120	10.0
4-Bromophenyl phenyl ether	PHN	Ave	79254	171017	244500	22904 322231	47568	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobenzene	PHN	Ave	3036 83944	5639 176189	9524 256045	23835 338443	48889	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Pentachlorophenol	PHN	Ave	82242	178737	6599 263438	20095 358660	45976	40.0	100	4.00 160	10.0 240	20.0
Pentachloronitrobenzene	PHN	Ave	27803	59099	85594	7863 120563	18030	20.0	50.0	80.0	5.00 120	10.0
n-Octadecane	PHN	Ave	309057	685306	993107	79780 1344355	175157	20.0	50.0	80.0	5.00 120	10.0
Phenanthrene	PHN	Ave	412441	870284	1240767	123024 1665651	244189	20.0	50.0	80.0	5.00 120	10.0
Anthracene	PHN	Ave	416426	886818	1259113	123087 1665130	244511	20.0	50.0	80.0	5.00 120	10.0
Carbazole	PHN	Ave	335146	727269	989742	101764 1351180	199909	20.0	50.0	80.0	5.00 120	10.0
Di-n-butyl phthalate	PHN	Ave	374561	830209	1144643	110484 1598365	217125	20.0	50.0	80.0	5.00 120	10.0
Fluoranthene	PHN	Ave	316406	696237	946413	92510 1326256	181941	20.0	50.0	80.0	5.00 120	10.0
Benzidine	PHN	Ave	156689	358523	483812	38558 732420	74090	20.0	50.0	80.0	5.00 120	10.0
Pyrene	CRY	Ave	315523	695549	931090	94099 1334604	177985	20.0	50.0	80.0	5.00 120	10.0
Bisphenol-A	CRY	Ave	79814	193304	282183	25530 420622	42211	20.0	50.0	80.0	5.00 120	10.0
Butyl benzyl phthalate	CRY	Ave	108162	245242	335485	30624 497573	59687	20.0	50.0	80.0	5.00 120	10.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 317554

SDG No.: _____

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/19/2015 11:58 Calibration End Date: 08/19/2015 18:18 Calibration ID: 51861

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
2,3,7,8-TCDD	CRY	Ave		665					0.500			
Carbamazepine	CRY	Ave	63659	145835	218083	338062	34025	20.0	50.0	80.0	5.00 120	10.0
3,3'-Dichlorobenzidine	CRY	Ave	62441	136663	6072 191836	15545 287944	28365	20.0	50.0	2.00 80.0	5.00 120	10.0
Benzo[a]anthracene	CRY	Ave	9768 184220	14466 407661	21972 562610	53341 838660	101816	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	139962	330947	451601	38698 646506	75548	20.0	50.0	80.0	5.00 120	10.0
Chrysene	CRY	Ave	171378	372493	511905	49415 759763	94170	20.0	50.0	80.0	5.00 120	10.0
Di-n-octyl phthalate	PRY	Ave	190624	460218	638261	52041 952062	100441	20.0	50.0	80.0	5.00 120	10.0
Benzo[b]fluoranthene	PRY	Ave	5775 127150	8096 286785	13736 422353	35605 665777	71823	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[k]fluoranthene	PRY	Ave	5478 128619	8115 292130	14399 431389	36780 625509	70529	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[a]pyrene	PRY	Ave	4469 115209	7486 256806	12006 393418	31631 598341	63417	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Indeno[1,2,3-cd]pyrene	PRY	Ave	3040 93255	4529 220500	8900 356464	23190 +++++	49265	0.500 20.0	1.00 50.0	2.00 80.0	5.00 ++++	10.0
Dibenz(a,h)anthracene	PRY	Ave	2806 92443	4931 212722	9405 337330	23682 521517	49593	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[g,h,i]perylene	PRY	Ave	89413	209613	340282	23842 524366	49727	20.0	50.0	80.0	5.00 120	10.0
2-Fluorophenol (Surr)	DCB	Ave	17373 258766	25330 535968	81526 859548	143777 1127209		20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Phenol-d5 (Surr)	DCB	Ave	21723 301241	29517 632749	95128 992243	168735 1281251		20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene-d5	NPT	Ave	7158 242466	17811 509812	22823 804397	76040 1037815	133674	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Fluorobiphenyl	ANT	Ave	14932 441233	33435 916887	42840 1425606	139962 1817291	253107	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	3039 38455	3096 77545	11802 121839	152707	22021	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Terphenyl-d14	CRY	Ave	8012 187699	16525 421995	18257 583528	64855 825031	104385	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314647

SDG No.: _____

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/05/2015 07:31 Calibration End Date: 08/05/2015 10:44 Calibration ID: 51698

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-314647/10	x4910.D
Level 2	STD1 460-314647/9	x4909.D
Level 3	STD2 460-314647/8	x4908.D
Level 4	STD5 460-314647/7	x4907.D
Level 5	STD10 460-314647/6	x4906.D
Level 6	STD20 460-314647/5	x4905.D
Level 7	ICIS 460-314647/2	x4902.D
Level 8	STD80 460-314647/4	x4904.D
Level 9	STD120 460-314647/3	x4903.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.5802	0.5945	0.6002	0.5449 0.6107	0.5991	Ave		0.5883				4.0		20.0			
N-Nitrosodimethylamine	0.8156	0.8113	0.8030	0.6832 0.8276	0.7975	Ave		0.7897				6.7		20.0			
Pyridine	1.3934	1.3461	1.3842	1.1800 1.3462	1.3944	Ave		1.3407				6.1		20.0			
Phenol	1.5355	1.6259	1.6007	1.3607 1.6668	1.5536	Ave		1.5572		0.8000		6.9		20.0			
Aniline	1.8188	1.8475	1.8418	1.5803 1.9568	1.8416	Ave		1.8145				6.9		20.0			
Bis(2-chloroethyl)ether	1.3098 1.2596	1.0973 1.2803	1.1658 1.2401	1.0659 1.3753	1.2943	Ave		1.2320		0.7000		8.3		20.0			
2-Chlorophenol	1.3144	1.3377	1.2812	1.2140 1.3448	1.3648	Ave		1.3095		0.8000		4.2		20.0			
n-Decane	1.4806	1.5170	1.5879	1.2937 1.5959	1.5339	Ave		1.5015				7.4		20.0			
1,3-Dichlorobenzene	1.5032	1.5409	1.5224	1.4247 1.5551	1.5634	Ave		1.5183				3.3		20.0			
1,4-Dichlorobenzene	1.5273	1.5737	1.5658	1.4747 1.5920	1.5626	Ave		1.5494				2.7		20.0			
Benzyl alcohol	0.7566	0.7524	0.7294	0.6627 0.7714	0.7281	Ave		0.7334				5.2		20.0			
1,2-Dichlorobenzene	1.4149	1.4357	1.4176	1.3795 1.4695	1.4479	Ave		1.4275				2.2		20.0			
2-Methylphenol	1.1009	1.1022	1.0582	1.0453 1.1120	1.1257	Ave		1.0907		0.7000		2.9		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314647
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 08/05/2015 07:31 Calibration End Date: 08/05/2015 10:44 Calibration ID: 51698

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,2'-oxybis[1-chloropropane]	1.4523	1.4681	1.4561	1.3139 1.5194	1.5276	Ave		1.4562			0.0100	5.3		20.0			
Acetophenone	1.6475	1.6777	1.5805	1.5085 1.6269	1.6940	Ave		1.6225			0.0100	4.2		20.0			
3 & 4 Methylphenol	1.2660	1.2960	1.2015	1.1766 1.2460	1.3051	Ave		1.2485				4.1		20.0			
4-Methylphenol	1.2660	1.2960	1.2015	1.1766 1.2460	1.3051	Ave		1.2485			0.6000	4.1		20.0			
N-Nitrosodi-n-propylamine	0.8032 0.8321	0.7672 0.8470	0.8170 0.7806	0.7904 0.8080	0.8897	Ave		0.8150			0.5000	4.6		20.0			
Hexachloroethane	0.5981 0.5774	0.4700 0.5827	0.5190 0.5709	0.5336 0.5847	0.5921	Ave		0.5587			0.3000	7.6		20.0			
Nitrobenzene	0.4887 0.5261	0.4177 0.5317	0.4650 0.5304	0.4591 0.5502	0.5450	Ave		0.5015			0.2000	9.2		20.0			
n,n'-Dimethylaniline	1.8721 1.8575	1.8102 2.0060	1.7456 1.9120	1.7226 2.0410	2.0765	Ave		1.8937				6.7		20.0			
Isophorone	0.5326	0.5532	0.4966 0.5196	0.4999 0.5517	0.5624	Ave		0.5308			0.4000	5.0		20.0			
2-Nitrophenol	0.1812	0.1906	0.1867	0.1620 0.1953	0.1797	Ave		0.1826			0.1000	6.4		20.0			
2,4-Dimethylphenol	0.2945	0.2920	0.2869	0.2682 0.2953	0.2991	Ave		0.2893			0.2000	3.8		20.0			
Bis(2-chloroethoxy)methane	0.3548	0.3710	0.3588	0.3201 0.3757	0.3670	Ave		0.3579			0.3000	5.6		20.0			
Benzoic acid	0.1163	0.1488	0.1469	0.0272 0.1697	0.0450	Qua	-0.869	0.1349	0.0003457						0.9930		0.9900
2,4-Dichlorophenol	0.2728	0.2778	0.2666	0.2560 0.2799	0.2872	Ave		0.2734			0.2000	4.0		20.0			
1,2,4-Trichlorobenzene	0.2880 0.3104	0.2516 0.3170	0.2813 0.3149	0.2839 0.3274	0.3155	Ave		0.2989				8.1		20.0			
Naphthalene	0.9678	1.0104	1.0027	0.9065 1.0447	1.0184	Ave		0.9918			0.7000	4.9		20.0			
4-Chloroaniline	0.3698	0.3920	0.3804	0.3448 0.4008	0.3791	Ave		0.3778			0.0100	5.1		20.0			
Hexachlorobutadiene	0.1784	0.1493 0.1861	0.1684 0.1824	0.1713 0.1909	0.1826	Ave		0.1762			0.0100	7.4		20.0			
4-Chloro-3-methylphenol	0.2318	0.2427	0.2237	0.2186 0.2393	0.2343	Ave		0.2317			0.2000	4.0		20.0			
2-Methylnaphthalene	0.6298	0.6519	0.6236	0.5635 0.6582	0.6448	Ave		0.6286			0.4000	5.5		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314647
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 08/05/2015 07:31 Calibration End Date: 08/05/2015 10:44 Calibration ID: 51698

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1-Methylnaphthalene	0.5273	0.5545	0.5318	0.4972 0.5572	0.5609	Ave		0.5381				4.5		20.0			
Hexachlorocyclopentadiene	0.4439	0.4550	0.4858	0.3455 +++++	0.4216	Ave		0.4304			0.0500	12.3		20.0			
1,2,4,5-Tetrachlorobenzene	0.6278	0.6226	0.6322	0.5550 0.6519	0.6361	Ave		0.6209			0.0100	5.4		20.0			
2-tertbutyl-4-methylphenol	0.4033	0.4318	0.3987	0.3710 0.4312	0.4441	Ave		0.4134				6.6		20.0			
2,4,6-Trichlorophenol	0.3771	0.3804	0.3003 0.3769	0.3364 0.3990	0.3827	Ave		0.3647			0.2000	9.4		20.0			
2,4,5-Trichlorophenol	0.3994	0.3901	0.3924	0.3468 0.4134	0.3742	Ave		0.3861			0.2000	6.0		20.0			
1,1'-Biphenyl	1.5993	1.6057	1.6361	1.4125 1.6741	1.6295	Ave		1.5929			0.0100	5.8		20.0			
2-Chloronaphthalene	1.2390	1.2336	1.2408	1.1506 1.2645	1.2687	Ave		1.2329			0.8000	3.5		20.0			
Phenyl ether	0.8111	0.8345	0.8271	0.7243 0.8918	0.9011	Ave		0.8316				7.7		20.0			
2-Nitroaniline	0.3797	0.3830	0.3745	0.3431 0.3843	0.4094	Ave		0.3790			0.0100	5.6		20.0			
1,3-Dimethylnaphthalene	1.0089	1.0269	0.9825	0.9236 1.0517	1.1250	Ave		1.0198				6.6		20.0			
Dimethyl phthalate	1.0450	1.0819	1.0391	0.9951 1.1004	1.1005	Ave		1.0603			0.0100	3.9		20.0			
Coumarin	0.1326	0.1510	0.1323	0.1217 0.1490	0.1466	Ave		0.1388				8.4		20.0			
2,6-Dinitrotoluene	0.2438	0.1958 0.2636	0.2130 0.2487	0.2321 0.2664	0.2646	Ave		0.2410			0.2000	10.7		20.0			
Acenaphthylene	1.7125	1.7298	1.7146	1.5664 1.7828	1.8009	Ave		1.7179			0.9000	4.8		20.0			
3-Nitroaniline	0.2408	0.2611	0.2459	0.2298 0.2589	0.2624	Ave		0.2498			0.0100	5.3		20.0			
3,5-di-tert-butyl-4-hydroxytol	1.1511	1.1789	1.1435	0.9830 1.2273	1.2453	Ave		1.1548				8.1		20.0			
Acenaphthene	1.0991	1.0842	1.0883	0.9849 1.1250	1.1982	Ave		1.0966			0.9000	6.3		20.0			
2,4-Dinitrophenol	0.1180	0.1443	0.0116 0.1375	0.0574 0.1584	0.1002	Qua	-0.462	0.1236	0.0001481		0.0100				0.9980		0.9900
4-Nitrophenol	0.1619	0.1752	0.1656	0.1246 0.1769	0.1619	Ave		0.1610			0.0100	11.8		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314647
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 08/05/2015 07:31 Calibration End Date: 08/05/2015 10:44 Calibration ID: 51698

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,4-Dinitrotoluene	0.2804	0.1879 0.3070	0.2496 0.2886	0.2466 0.3080	0.2958	Lin2	-0.109	0.2963			0.2000				0.9970		0.9900
Dibenzofuran	1.4709	1.4997	1.4558	1.3972 1.5443	1.5494	Ave		1.4862			0.8000	3.9		20.0			
2,3,4,6-Tetrachlorophenol	0.2543	0.2681	0.2602	0.2366 0.2755	0.2536	Ave		0.2580			0.0100	5.2		20.0			
Diethyl phthalate	0.9222	0.9756	0.9212	0.8881 0.9904	0.9792	Ave		0.9461			0.0100	4.4		20.0			
4-Chlorophenyl phenyl ether	0.5528	0.5714	0.5568	0.5062 0.5785	0.5721	Ave		0.5563			0.4000	4.8		20.0			
Fluorene	1.1665	1.2117	1.1730	1.1065 1.2264	1.2110	Ave		1.1825			0.9000	3.7		20.0			
4-Nitroaniline	0.2036	0.2289	0.2119	0.1895 0.1888	0.2161	Ave		0.2064			0.0100	7.6		20.0			
4,6-Dinitro-2-methylphenol	0.1252	0.1424	0.0499 0.1389	0.0864 0.1518	0.1154	Lin2	-0.392	0.1407			0.0100				0.9940		0.9900
N-Nitrosodiphenylamine	0.8209	0.8112	0.7388 0.8201	0.7306 0.8534	0.8577	Ave		0.8047			0.0100	6.3		20.0			
1,2-Diphenylhydrazine	0.9849	0.9232	0.9364	0.8361 0.9691	1.0189	Ave		0.9448				6.7		20.0			
4-Bromophenyl phenyl ether	0.2549	0.2456	0.2476	0.2257 0.2609	0.2575	Ave		0.2487			0.1000	5.1		20.0			
Hexachlorobenzene	0.2150 0.2749	0.2053 0.2728	0.2473 0.2750	0.2440 0.2877	0.2825	Ave		0.2560			0.1000	11.7		20.0			
Pentachlorophenol	0.1426	0.1563	0.0794 0.1581	0.1080 0.1687	0.1311	Lin2	-0.339	0.1564			0.0500				0.9950		0.9900
Pentachloronitrobenzene	0.0994	0.0985	0.0941	0.0892 0.1020	0.1137	Ave		0.0995			0.0100	8.3		20.0			
n-Octadecane	0.6702	0.6413	0.6734	0.5331 0.7014	0.6765	Ave		0.6493				9.3		20.0			
Phenanthrene	1.1171	1.1223	1.1409	1.0375 1.1616	1.1778	Ave		1.1262			0.7000	4.4		20.0			
Anthracene	1.1299	1.1607	1.1211	1.0257 1.1760	1.1769	Ave		1.1317			0.7000	5.0		20.0			
Carbazole	0.8783	0.9178	0.8854	0.8296 0.9224	0.9317	Ave		0.8942			0.0100	4.3		20.0			
Di-n-butyl phthalate	1.0607	1.1387	1.0909	0.9283 1.1440	1.0951	Ave		1.0763			0.0100	7.3		20.0			
Fluoranthene	0.8538	0.9322	0.9050	0.7957 0.9499	0.8900	Ave		0.8877			0.6000	6.3		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314647
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 08/05/2015 07:31 Calibration End Date: 08/05/2015 10:44 Calibration ID: 51698

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Benzidine	0.3359	0.4070	0.4043	0.2492 0.4425	0.2955	Lin2	-0.938	0.4168			0.0100				0.9940		0.9900
Pyrene	1.8091	1.7388	1.6418	1.7038 1.7509	1.8881	Ave		1.7554			0.6000	4.9		20.0			
Bisphenol-A	0.4838	0.5315	0.5356	0.5290 0.5963	0.4855	Ave		0.5270				7.8		20.0			
Butyl benzyl phthalate	0.6268	0.6378	0.6086	0.5917 0.6492	0.6749	Ave		0.6315			0.0100	4.7		20.0			
2,3,7,8-TCDD		0.1888				Ave		0.1888						20.0			
Carbamazepine	0.3723	0.4129	0.4360	0.2154 0.4574	0.3592	Lin2	-1.143	0.4500			0.0100				0.9980		0.9900
3,3'-Dichlorobenzidine	0.3849	0.3948	0.3021 0.4043	0.3115 0.4245	0.3598	Ave		0.3689			0.0100	12.7		20.0			
Benzo[a]anthracene	1.4799 1.1584	0.9896 1.1625	1.1539 1.1392	1.1063 1.1762	1.2033	Ave		1.1744			0.8000	11.1		20.0			
Bis(2-ethylhexyl) phthalate	0.8770	0.8999	0.8693	0.8138 0.9132	0.9135	Ave		0.8811			0.0100	4.3		20.0			
Chrysene	1.0789	1.0692	1.0602	1.0281 1.0860	1.1235	Ave		1.0743			0.7000	2.9		20.0			
Di-n-octyl phthalate	1.5943	1.8075	1.5597	1.4812 1.7518	1.6846	Ave		1.6465			0.0100	7.5		20.0			
Benzo[b]fluoranthene	1.1596 1.1150	0.9206 1.2036	1.0275 1.1249	1.0946 1.1921	1.1454	Ave		1.1093			0.7000	8.0		20.0			
Benzo[k]fluoranthene	1.3337 1.2371	1.0575 1.2664	1.1121 1.2549	1.1714 1.2766	1.2928	Ave		1.2225			0.7000	7.4		20.0			
Benzo[a]pyrene	1.0466 1.0563	0.8256 1.1064	0.9640 1.0775	0.9622 1.0999	1.1017	Ave		1.0267			0.7000	9.1		20.0			
Indeno[1,2,3-cd]pyrene	0.7993 0.8234	0.5662 0.8497	0.7120 0.8966	0.6851 0.9005	0.8577	Ave		0.7878			0.5000	14.2		20.0			
Dibenz(a,h)anthracene	0.6845 0.8704	0.5492 0.8540	0.7225 0.8928	0.6728 0.9210	0.8888	Ave		0.7840			0.4000	16.6		20.0			
Benzo[g,h,i]perylene	0.9367	0.8768	0.9196	0.7510 0.9332	0.9318	Ave		0.8915			0.5000	8.1		20.0			
2-Fluorophenol (Surr)	0.9902 1.2924	0.8821 1.3212	1.2983 1.3448	1.2983 1.3270	1.2189	Ave		1.2094				14.5		20.0			
Phenol-d5 (Surr)	1.4160	1.3572 1.4337	1.0545 1.4335	1.4871 1.4407	1.3911	Ave		1.3767				9.8		20.0			
Nitrobenzene-d5	0.3321 0.3660	0.3596 0.3627	0.2752 0.3745	0.3822 0.3763	0.3666	Ave		0.3550				9.3		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314647

SDG No.: _____

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/05/2015 07:31 Calibration End Date: 08/05/2015 10:44 Calibration ID: 51698

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8	LVL 9													
2-Fluorobiphenyl	1.2291 1.4157	1.3098 1.4122	1.0750 1.4771	1.4715 1.4684	1.3769	Ave		1.3595				9.9		20.0			
2,4,6-Tribromophenol (Surr)	0.1466	0.1286 0.1622	0.1047 0.1550	0.1543 0.1622	0.1480	Ave		0.1452				13.5		20.0			
Terphenyl-d14	1.1842 1.1809	1.1690 1.1649	0.9689 1.1616	1.2465 1.2213	1.2104	Ave		1.1675				6.8		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314647

SDG No.: _____

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/05/2015 07:31 Calibration End Date: 08/05/2015 10:44 Calibration ID: 51698

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-314647/10	x4910.D
Level 2	STD1 460-314647/9	x4909.D
Level 3	STD2 460-314647/8	x4908.D
Level 4	STD5 460-314647/7	x4907.D
Level 5	STD10 460-314647/6	x4906.D
Level 6	STD20 460-314647/5	x4905.D
Level 7	ICIS 460-314647/2	x4902.D
Level 8	STD80 460-314647/4	x4904.D
Level 9	STD120 460-314647/3	x4903.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCB	Ave	112161	329305	456476	29586 766903	56904	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodimethylamine	DCB	Ave	157665	449363	610769	37095 1039320	75744	20.0	50.0	80.0	5.00 120	10.0
Pyridine	DCB	Ave	269357	745597	1052783	64067 1690642	132432	20.0	50.0	80.0	5.00 120	10.0
Phenol	DCB	Ave	296826	900582	1217488	73882 2093315	147555	20.0	50.0	80.0	5.00 120	10.0
Aniline	DCB	Ave	351600	1023315	1400864	85805 2457506	174909	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethyl)ether	DCB	Ave	6795 243493	11479 709131	26744 943185	57873 1727231	122929	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Chlorophenol	DCB	Ave	254078	740906	974452	65914 1688912	129629	20.0	50.0	80.0	5.00 120	10.0
n-Decane	DCB	Ave	286219	840267	1207742	70244 2004244	145686	20.0	50.0	80.0	5.00 120	10.0
1,3-Dichlorobenzene	DCB	Ave	290579	853466	1157937	77356 1953025	148483	20.0	50.0	80.0	5.00 120	10.0
1,4-Dichlorobenzene	DCB	Ave	295235	871649	1190949	80069 1999367	148414	20.0	50.0	80.0	5.00 120	10.0
Benzyl alcohol	DCB	Ave	146258	416717	554794	35981 968773	69149	20.0	50.0	80.0	5.00 120	10.0
1,2-Dichlorobenzene	DCB	Ave	273518	795224	1078183	74901 1845547	137520	20.0	50.0	80.0	5.00 120	10.0
2-Methylphenol	DCB	Ave	212824	610497	804884	56754 1396550	106920	20.0	50.0	80.0	5.00 120	10.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	280741	813133	1107537	71338 1908119	145087	20.0	50.0	80.0	5.00 120	10.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314647

SDG No.: _____

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/05/2015 07:31 Calibration End Date: 08/05/2015 10:44 Calibration ID: 51698

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Acetophenone	DCB	Ave	318488	929237	1202153	81904 2043213	160888	20.0	50.0	80.0	5.00 120	10.0
3 & 4 Methylphenol	DCB	Ave	244723	717830	913869	63883 1564767	123954	20.0	50.0	80.0	5.00 120	10.0
4-Methylphenol	DCB	Ave	244723	717830	913869	63883 1564767	123954	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodi-n-propylamine	DCB	Ave	4167 160853	8026 469120	18742 593694	42913 1014769	84498	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Hexachloroethane	DCB	Ave	3103 111610	4917 322764	11905 434242	28974 734287	56237	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene	NPT	Ave	9296 344624	15953 989803	37692 1299065	87985 2232375	176288	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
n,n'-Dimethylaniline	DCB	Ave	9712 359072	18936 1111094	40045 1454280	93528 2563153	197219	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Isophorone	NPT	Ave	40253 348860	95805 1029929	1272593	2238419	181900	20.0	50.0	80.0	5.00 120	10.0
2-Nitrophenol	NPT	Ave	118709	354874	457328	31047 792410	58119	20.0	50.0	80.0	5.00 120	10.0
2,4-Dimethylphenol	NPT	Ave	192937	543537	702615	51399 1198015	96735	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	232430	690770	878818	61354 1524488	118709	20.0	50.0	80.0	5.00 120	10.0
Benzoic acid	NPT	Qua	76181	276956	359826	5220 688378	29104	20.0	50.0	80.0	5.00 120	20.0
2,4-Dichlorophenol	NPT	Ave	178708	517195	653057	49063 1135547	92903	20.0	50.0	80.0	5.00 120	10.0
1,2,4-Trichlorobenzene	NPT	Ave	5479 203306	9609 590248	22804 771365	54404 1328252	102054	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Naphthalene	NPT	Ave	633933	1881049	2456081	173735 4238470	329419	20.0	50.0	80.0	5.00 120	10.0
4-Chloroaniline	NPT	Ave	242247	729764	931728	66074 1625976	122634	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobutadiene	NPT	Ave	116875	5702 346419	13648 446800	32837 774415	59060	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
4-Chloro-3-methylphenol	NPT	Ave	151835	451828	547926	41895 970871	75785	20.0	50.0	80.0	5.00 120	10.0
2-Methylnaphthalene	NPT	Ave	412525	1213655	1527520	107994 2670321	208569	20.0	50.0	80.0	5.00 120	10.0
1-Methylnaphthalene	NPT	Ave	345371	1032387	1302695	95278 2260774	181419	20.0	50.0	80.0	5.00 120	10.0
Hexachlorocyclopentadiene	ANT	Ave	120509	373176	487723	29557 +++++	58249	20.0	50.0	80.0	5.00 +++++	10.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314647

SDG No.: _____

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/05/2015 07:31 Calibration End Date: 08/05/2015 10:44 Calibration ID: 51698

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,2,4,5-Tetrachlorobenzene	ANT	Ave	170460	510697	634673	47479 1118898	87874	20.0	50.0	80.0	5.00 120	10.0
2-tertbutyl-4-methylphenol	NPT	Ave	264205	803821	976678	71103 1749676	143633	20.0	50.0	80.0	5.00 120	10.0
2,4,6-Trichlorophenol	ANT	Ave	102395	311999	10985 378391	28780 684829	52870	20.0	50.0	2.00 80.0	5.00 120	10.0
2,4,5-Trichlorophenol	ANT	Ave	108432	319985	393942	29671 709557	51700	20.0	50.0	80.0	5.00 120	10.0
1,1'-Biphenyl	ANT	Ave	434200	1317008	1642565	120831 2873397	225130	20.0	50.0	80.0	5.00 120	10.0
2-Chloronaphthalene	ANT	Ave	336391	1011829	1245732	98431 2170380	175279	20.0	50.0	80.0	5.00 120	10.0
Phenyl ether	ANT	Ave	220208	684424	830366	61961 1530619	124496	20.0	50.0	80.0	5.00 120	10.0
2-Nitroaniline	ANT	Ave	103098	314140	375962	29352 659676	56565	20.0	50.0	80.0	5.00 120	10.0
1,3-Dimethylnaphthalene	ANT	Ave	273906	842301	986354	79014 1805037	155429	20.0	50.0	80.0	5.00 120	10.0
Dimethyl phthalate	ANT	Ave	283724	887347	1043254	85126 1888723	152038	20.0	50.0	80.0	5.00 120	10.0
Coumarin	NPT	Ave	86842	281181	323966	23322 604373	47409	20.0	50.0	80.0	5.00 120	10.0
2,6-Dinitrotoluene	ANT	Ave	66187	3459 216241	7792 249654	19853 457241	36556	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Acenaphthylene	ANT	Ave	464946	1418819	1721403	134002 3060043	248808	20.0	50.0	80.0	5.00 120	10.0
3-Nitroaniline	ANT	Ave	65373	214181	246881	19661 444454	36253	20.0	50.0	80.0	5.00 120	10.0
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	312519	966963	1148010	84087 2106466	172043	20.0	50.0	80.0	5.00 120	10.0
Acenaphthene	ANT	Ave	298396	889243	1092579	84252 1930955	165536	20.0	50.0	80.0	5.00 120	10.0
2,4-Dinitrophenol	ANT	Qua	64064	236764	845 276083	9823 543912	27692	40.0	100	4.00 160	10.0 240	20.0
4-Nitrophenol	ANT	Ave	87891	287373	332428	21316 607286	44742	40.0	100	160	10.0 240	20.0
2,4-Dinitrotoluene	ANT	Lin2	76139	3320 251815	9129 289781	21092 528584	40867	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenzofuran	ANT	Ave	399351	1230077	1461536	119528 2650681	214056	20.0	50.0	80.0	5.00 120	10.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	69046	219905	261262	20239 472795	35031	20.0	50.0	80.0	5.00 120	10.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314647

SDG No.: _____

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/05/2015 07:31 Calibration End Date: 08/05/2015 10:44 Calibration ID: 51698

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Diethyl phthalate	ANT	Ave	250379	800162	924894	75970 1699904	135276	20.0	50.0	80.0	5.00 120	10.0
4-Chlorophenyl phenyl ether	ANT	Ave	150084	468677	559057	43301 993007	79032	20.0	50.0	80.0	5.00 120	10.0
Fluorene	ANT	Ave	316717	993850	1177698	94654 2105009	167305	20.0	50.0	80.0	5.00 120	10.0
4-Nitroaniline	ANT	Ave	55273	187730	212757	16209 323999	29849	20.0	50.0	80.0	5.00 120	10.0
4,6-Dinitro-2-methylphenol	PHN	Lin2	74217	273096	4244 308958	16975 592492	35085	40.0	100	4.00 160	10.0 240	20.0
N-Nitrosodiphenylamine	PHN	Ave	413544	1322338	53444 1550825	122064 2831809	221596	34.0	85.0	3.40 136	8.50 204	17.0
1,2-Diphenylhydrazine	PHN	Ave	291850	885290	1041648	82167 1891591	154852	20.0	50.0	80.0	5.00 120	10.0
4-Bromophenyl phenyl ether	PHN	Ave	75546	235542	275400	509184	39138	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobenzene	PHN	Ave	2244 81450	4293 261593	10523 305954	23978 561556	42939	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Pentachlorophenol	PHN	Lin2	84488	299699	6754 351814	21226 658657	39839	40.0	100	4.00 160	10.0 240	20.0
Pentachloronitrobenzene	PHN	Ave	29448	94418	104677	8770 199185	17282	20.0	50.0	80.0	5.00 120	10.0
n-Octadecane	PHN	Ave	198604	614936	749078	52390 1369213	102810	20.0	50.0	80.0	5.00 120	10.0
Phenanthrene	PHN	Ave	331038	1076213	1269164	101958 2267364	178998	20.0	50.0	80.0	5.00 120	10.0
Anthracene	PHN	Ave	334841	1113079	1247157	100794 2295536	178861	20.0	50.0	80.0	5.00 120	10.0
Carbazole	PHN	Ave	260281	880075	984898	81523 1800570	141590	20.0	50.0	80.0	5.00 120	10.0
Di-n-butyl phthalate	PHN	Ave	314330	1091904	1213502	91228 2233171	166422	20.0	50.0	80.0	5.00 120	10.0
Fluoranthene	PHN	Ave	253003	893936	1006701	78192 1854222	135252	20.0	50.0	80.0	5.00 120	10.0
Benzidine	PHN	Lin2	99530	390284	449707	24485 863675	44916	20.0	50.0	80.0	5.00 120	10.0
Pyrene	CRY	Ave	252253	902580	980959	79000 1804788	136371	20.0	50.0	80.0	5.00 120	10.0
Bisphenol-A	CRY	Ave	67461	275908	320014	24529 614660	35063	20.0	50.0	80.0	5.00 120	10.0
Butyl benzyl phthalate	CRY	Ave	87395	331065	363615	27433 669148	48746	20.0	50.0	80.0	5.00 120	10.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314647

SDG No.: _____

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/05/2015 07:31 Calibration End Date: 08/05/2015 10:44 Calibration ID: 51698

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
2,3,7,8-TCDD	CRY	Ave		980					0.500			
Carbamazepine	CRY	Lin2	51906	214312	260483	471503	25947	20.0	50.0	80.0	5.00 120	10.0
3,3'-Dichlorobenzidine	CRY	Ave	53673	204944	241536	437608	25986	20.0	50.0	2.00 80.0	5.00 120	10.0
Benzo[a]anthracene	CRY	Ave	7166 161529	9999 603427	21268 680624	51293 1212370	86908	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	122285	467086	519361	37734 941328	65980	20.0	50.0	80.0	5.00 120	10.0
Chrysene	CRY	Ave	150442	554963	633426	47670 1119449	81150	20.0	50.0	80.0	5.00 120	10.0
Di-n-octyl phthalate	PRY	Ave	169623	665667	756578	51069 1353407	91680	20.0	50.0	80.0	5.00 120	10.0
Benzo[b]fluoranthene	PRY	Ave	3917 118629	6551 443267	13596 545630	37741 920976	62334	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[k]fluoranthene	PRY	Ave	4505 131621	7525 466393	14715 608693	40389 986237	70355	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[a]pyrene	PRY	Ave	3535 112386	5875 407463	12756 522660	33174 849756	59955	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Indeno[1,2,3-cd]pyrene	PRY	Ave	2700 87599	4029 312942	9421 434886	23621 695706	46678	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenz(a,h)anthracene	PRY	Ave	2312 92608	3908 314514	9560 433068	23199 711516	48370	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[g,h,i]perylene	PRY	Ave	99652	322911	446067	25893 720935	50711	20.0	50.0	80.0	5.00 120	10.0
2-Fluorophenol (Surr)	DCB	Ave	249844	10358 731788	20235 1022858	70493 1666550	115764	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Phenol-d5 (Surr)	DCB	Ave	273737	14197 794087	24191 1090279	80740 1809336	132119	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene-d5	NPT	Ave	6318 239774	13731 675258	22308 917260	73252 1526756	118588	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Fluorobiphenyl	ANT	Ave	10644 384370	23142 1158318	39316 1482973	125881 2520249	190225	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	2272 39810	3828 133011	13200 155631	20446 278467		20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Terphenyl-d14	CRY	Ave	5734 164656	11812 604650	17858 694041	57797 1258916	87424	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314647
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 08/05/2015 07:31 Calibration End Date: 08/05/2015 10:44 Calibration ID: 51698

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua = Quadratic ISTD

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Lab Sample ID: CCVIS 460-318190/2 Calibration Date: 08/22/2015 08:18

Instrument ID: CBNAMS11 Calib Start Date: 08/19/2015 11:58

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 08/19/2015 18:18

Lab File ID: z35640.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5846	0.5150	0.0100	44000	50000	-11.9	20.0
N-Nitrosodimethylamine	Ave	0.8425	0.7994		47400	50000	-5.1	20.0
Pyridine	Ave	1.404	1.323		47100	50000	-5.8	20.0
Phenol	Ave	1.575	1.561	0.8000	49500	50000	-0.9	20.0
Aniline	Ave	1.957	1.894		48400	50000	-3.2	20.0
Bis(2-chloroethyl)ether	Ave	1.269	1.236	0.7000	48700	50000	-2.6	20.0
2-Chlorophenol	Ave	1.319	1.299	0.8000	49300	50000	-1.5	20.0
n-Decane	Ave	2.290	1.885	0.0100	41100	50000	-17.7	20.0
1,3-Dichlorobenzene	Ave	1.531	1.484		48500	50000	-3.1	20.0
1,4-Dichlorobenzene	Ave	1.543	1.485		48100	50000	-3.8	20.0
Benzyl alcohol	Ave	0.7918	0.7702	0.0100	48600	50000	-2.7	20.0
1,2-Dichlorobenzene	Ave	1.448	1.396		48200	50000	-3.6	20.0
2-Methylphenol	Ave	1.113	1.086	0.7000	48800	50000	-2.5	20.0
2,2'-oxybis[1-chloropropane]	Ave	2.651	2.233	0.0100	42100	50000	-15.8	20.0
3 & 4 Methylphenol	Ave	1.200	1.154		48100	50000	-3.8	20.0
4-Methylphenol	Ave	1.200	1.154	0.6000	48100	50000	-3.8	20.0
Acetophenone	Ave	1.506	1.433	0.0100	47600	50000	-4.8	20.0
N-Nitrosodi-n-propylamine	Ave	0.8489	0.7818	0.5000	46000	50000	-7.9	20.0
Hexachloroethane	Ave	0.5499	0.5210	0.3000	47400	50000	-5.3	20.0
n,n'-Dimethylaniline	Ave	1.900	1.709	0.0100	45000	50000	-10.1	20.0
Nitrobenzene	Ave	0.4835	0.4360	0.2000	45100	50000	-9.8	20.0
Isophorone	Ave	0.5742	0.5430	0.4000	47300	50000	-5.4	20.0
2-Nitrophenol	Ave	0.1827	0.1892	0.1000	51800	50000	3.6	20.0
2,4-Dimethylphenol	Ave	0.3013	0.2915	0.2000	48400	50000	-3.3	20.0
Bis(2-chloroethoxy)methane	Ave	0.3755	0.3605	0.3000	48000	50000	-4.0	20.0
Benzoic acid	Lin2		0.1613		55600	50000	11.2	20.0
2,4-Dichlorophenol	Ave	0.2796	0.2751	0.2000	49200	50000	-1.6	20.0
1,2,4-Trichlorobenzene	Ave	0.3082	0.3031		49200	50000	-1.6	20.0
Naphthalene	Ave	0.9906	0.9468	0.7000	47800	50000	-4.4	20.0
4-Chloroaniline	Ave	0.3897	0.3818	0.0100	49000	50000	-2.1	20.0
Hexachlorobutadiene	Ave	0.1574	0.1567	0.0100	49800	50000	-0.5	20.0
4-Chloro-3-methylphenol	Ave	0.2383	0.2333		48900	50000	-2.1	20.0
2-Methylnaphthalene	Ave	0.6521	0.6541	0.4000	50100	50000	0.3	20.0
1-Methylnaphthalene	Ave	0.5589	0.5603	0.0100	50100	50000	0.3	20.0
Hexachlorocyclopentadiene	Ave	0.3863	0.3145	0.0500	40700	50000	-18.6	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5944	0.5760	0.0100	48500	50000	-3.1	20.0
2-tertbutyl-4-methylphenol	Ave	0.4251	0.4129	0.0100	48600	50000	-2.9	20.0
2,4,6-Trichlorophenol	Ave	0.3666	0.3749	0.2000	51100	50000	2.3	20.0
2,4,5-Trichlorophenol	Ave	0.3854	0.3816	0.2000	49500	50000	-1.0	20.0
1,1'-Biphenyl	Ave	1.653	1.554	0.0100	47000	50000	-6.0	20.0
2-Chloronaphthalene	Ave	1.227	1.163	0.8000	47400	50000	-5.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Lab Sample ID: CCVIS 460-318190/2 Calibration Date: 08/22/2015 08:18

Instrument ID: CBNAMS11 Calib Start Date: 08/19/2015 11:58

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 08/19/2015 18:18

Lab File ID: z35640.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.8625	0.7955	0.0100	46100	50000	-7.8	20.0
2-Nitroaniline	Ave	0.3815	0.3605	0.0100	47300	50000	-5.5	20.0
1,3-Dimethylnaphthalene	Ave	1.067	0.9698	0.0100	45400	50000	-9.1	20.0
Dimethyl phthalate	Ave	1.104	1.087	0.0100	49200	50000	-1.6	20.0
Coumarin	Ave	0.1595	0.1707	0.0100	53500	50000	7.0	20.0
2,6-Dinitrotoluene	Lin2		0.2651	0.2000	52000	50000	3.9	20.0
Acenaphthylene	Ave	1.849	1.751	0.9000	47300	50000	-5.4	20.0
3-Nitroaniline	Ave	0.2646	0.2793	0.0100	52800	50000	5.5	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.107	0.9928	0.0100	44900	50000	-10.3	20.0
Acenaphthene	Ave	1.197	1.092	0.9000	45600	50000	-8.8	20.0
2,4-Dinitrophenol	Lin2		0.1562	0.0100	146000	100000	45.6*	20.0
4-Nitrophenol	Ave	0.1676	0.1716	0.0100	102000	100000	2.4	20.0
2,4-Dinitrotoluene	Lin2		0.3164	0.2000	55000	50000	10.1	20.0
Dibenzofuran	Ave	1.558	1.511	0.8000	48500	50000	-3.0	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2284	0.2613	0.0100	57200	50000	14.4	20.0
Diethyl phthalate	Ave	0.9889	0.9885	0.0100	50000	50000	-0.0	20.0
4-Chlorophenyl phenyl ether	Ave	0.5403	0.5445	0.4000	50400	50000	0.8	20.0
Fluorene	Ave	1.196	1.189	0.9000	49700	50000	-0.5	20.0
4-Nitroaniline	Ave	0.2263	0.2549	0.0100	56300	50000	12.6	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1377	0.0100	125000	100000	25.0*	20.0
N-Nitrosodiphenylamine	Ave	0.7937	0.7299	0.0100	78200	85000	-8.0	20.0
1,2-Diphenylhydrazine	Ave	0.9115	0.7844	0.0100	43000	50000	-13.9	20.0
4-Bromophenyl phenyl ether	Ave	0.2226	0.2189	0.1000	49200	50000	-1.7	20.0
Hexachlorobenzene	Ave	0.2274	0.2252	0.1000	49500	50000	-1.0	20.0
Pentachlorophenol	Ave	0.1083	0.1319	0.0500	122000	100000	21.8*	20.0
Pentachloronitrobenzene	Ave	0.0796	0.0745	0.0100	46800	50000	-6.4	20.0
n-Octadecane	Ave	0.8636	0.7239	0.0100	41900	50000	-16.2	20.0
Phenanthrene	Ave	1.151	1.106	0.7000	48000	50000	-4.0	20.0
Anthracene	Ave	1.160	1.116	0.7000	48100	50000	-3.8	20.0
Carbazole	Ave	0.9410	0.9027	0.0100	48000	50000	-4.1	20.0
Di-n-butyl phthalate	Ave	1.060	1.057	0.0100	49800	50000	-0.3	20.0
Fluoranthene	Ave	0.8864	0.9122	0.6000	51500	50000	2.9	20.0
Benzidine	Ave	0.4275	0.4287		50100	50000	0.3	20.0
Pyrene	Ave	1.977	1.731	0.6000	43800	50000	-12.5	20.0
Bisphenol-A	Ave	0.5435	0.5983		55000	50000	10.1	20.0
Butyl benzyl phthalate	Ave	0.6872	0.6457	0.0100	47000	50000	-6.0	20.0
2,3,7,8-TCDD	Ave	0.1850	0.1541	0.0100	416	500	-16.7	20.0
Carbamazepine	Ave	0.4141	0.4462	0.0100	53900	50000	7.8	20.0
3,3'-Dichlorobenzidine	Ave	0.3689	0.4046	0.0100	54800	50000	9.7	20.0
Benzo[a]anthracene	Ave	1.197	1.147	0.8000	47900	50000	-4.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-318190/2 Calibration Date: 08/22/2015 08:18
 Instrument ID: CBNAMS11 Calib Start Date: 08/19/2015 11:58
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 08/19/2015 18:18
 Lab File ID: z35640.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Bis(2-ethylhexyl) phthalate	Ave	0.8953	0.8949	0.0100	50000	50000	-0.0	20.0
Chrysene	Ave	1.070	1.041	0.7000	48600	50000	-2.7	20.0
Di-n-octyl phthalate	Ave	1.789	1.896	0.0100	53000	50000	6.0	20.0
Benzo[b]fluoranthene	Ave	1.206	1.287	0.7000	53400	50000	6.7	20.0
Benzo[k]fluoranthene	Ave	1.205	1.229	0.7000	51000	50000	2.0	20.0
Benzo[a]pyrene	Ave	1.065	1.117	0.7000	52400	50000	4.8	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.8135	0.8945	0.5000	55000	50000	10.0	20.0
Dibenz(a,h)anthracene	Ave	0.8257	0.8707	0.4000	52700	50000	5.5	20.0
Benzo[g,h,i]perylene	Ave	0.8824	0.8218	0.5000	46600	50000	-6.9	20.0
2-Fluorophenol (Surr)	Ave	1.284	1.231	0.0100	48000	50000	-4.1	20.0
Phenol-d5 (Surr)	Ave	1.508	1.444	0.0100	47900	50000	-4.3	20.0
Nitrobenzene-d5	Ave	0.3537	0.3290	0.0100	46500	50000	-7.0	20.0
2-Fluorobiphenyl	Ave	1.477	1.382	0.0100	46800	50000	-6.5	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1243	0.1415	0.0100	56900	50000	13.8	20.0
Terphenyl-d14	Ave	1.203	1.115	0.0100	46300	50000	-7.4	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-318357/2 Calibration Date: 08/24/2015 05:07
 Instrument ID: CBNAMS11 Calib Start Date: 08/19/2015 11:58
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 08/19/2015 18:18
 Lab File ID: z35670.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5846	0.5240	0.0100	44800	50000	-10.4	20.0
N-Nitrosodimethylamine	Ave	0.8425	0.7885		46800	50000	-6.4	20.0
Pyridine	Ave	1.404	1.350		48100	50000	-3.8	20.0
Phenol	Ave	1.575	1.536	0.8000	48700	50000	-2.5	20.0
Aniline	Ave	1.957	1.927		49200	50000	-1.5	20.0
Bis(2-chloroethyl)ether	Ave	1.269	1.234	0.7000	48600	50000	-2.7	20.0
2-Chlorophenol	Ave	1.319	1.259	0.8000	47700	50000	-4.6	20.0
n-Decane	Ave	2.290	1.909	0.0100	41700	50000	-16.7	20.0
1,3-Dichlorobenzene	Ave	1.531	1.481		48400	50000	-3.2	20.0
1,4-Dichlorobenzene	Ave	1.543	1.509		48900	50000	-2.2	20.0
Benzyl alcohol	Ave	0.7918	0.6367	0.0100	40200	50000	-19.6	20.0
1,2-Dichlorobenzene	Ave	1.448	1.394		48100	50000	-3.7	20.0
2-Methylphenol	Ave	1.113	1.121	0.7000	50300	50000	0.7	20.0
2,2'-oxybis[1-chloropropane]	Ave	2.651	2.246	0.0100	42400	50000	-15.3	20.0
3 & 4 Methylphenol	Ave	1.200	1.223		51000	50000	1.9	20.0
4-Methylphenol	Ave	1.200	1.223	0.6000	51000	50000	1.9	20.0
Acetophenone	Ave	1.506	1.455	0.0100	48300	50000	-3.4	20.0
N-Nitrosodi-n-propylamine	Ave	0.8489	0.7936	0.5000	46700	50000	-6.5	20.0
Hexachloroethane	Ave	0.5499	0.5278	0.3000	48000	50000	-4.0	20.0
n,n'-Dimethylaniline	Ave	1.900	1.780	0.0100	46800	50000	-6.3	20.0
Nitrobenzene	Ave	0.4835	0.4350	0.2000	45000	50000	-10.0	20.0
Isophorone	Ave	0.5742	0.5391	0.4000	46900	50000	-6.1	20.0
2-Nitrophenol	Ave	0.1827	0.1889	0.1000	51700	50000	3.4	20.0
2,4-Dimethylphenol	Ave	0.3013	0.2656	0.2000	44100	50000	-11.9	20.0
Bis(2-chloroethoxy)methane	Ave	0.3755	0.3593	0.3000	47800	50000	-4.3	20.0
Benzoic acid	Lin2		0.1632		56200	50000	12.5	20.0
2,4-Dichlorophenol	Ave	0.2796	0.2753	0.2000	49200	50000	-1.6	20.0
1,2,4-Trichlorobenzene	Ave	0.3082	0.3031		49200	50000	-1.7	20.0
Naphthalene	Ave	0.9906	0.9478	0.7000	47800	50000	-4.3	20.0
4-Chloroaniline	Ave	0.3897	0.3852	0.0100	49400	50000	-1.2	20.0
Hexachlorobutadiene	Ave	0.1574	0.1553	0.0100	49300	50000	-1.4	20.0
4-Chloro-3-methylphenol	Ave	0.2383	0.2305		48400	50000	-3.3	20.0
2-Methylnaphthalene	Ave	0.6521	0.6449	0.4000	49400	50000	-1.1	20.0
1-Methylnaphthalene	Ave	0.5589	0.5574	0.0100	49900	50000	-0.3	20.0
Hexachlorocyclopentadiene	Ave	0.3863	0.3731	0.0500	48300	50000	-3.4	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5944	0.5743	0.0100	48300	50000	-3.4	20.0
2-tertbutyl-4-methylphenol	Ave	0.4251	0.3833	0.0100	45100	50000	-9.8	20.0
2,4,6-Trichlorophenol	Ave	0.3666	0.3635	0.2000	49600	50000	-0.8	20.0
2,4,5-Trichlorophenol	Ave	0.3854	0.3744	0.2000	48600	50000	-2.8	20.0
1,1'-Biphenyl	Ave	1.653	1.550	0.0100	46900	50000	-6.3	20.0
2-Chloronaphthalene	Ave	1.227	1.170	0.8000	47700	50000	-4.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Lab Sample ID: CCVIS 460-318357/2 Calibration Date: 08/24/2015 05:07

Instrument ID: CBNAMS11 Calib Start Date: 08/19/2015 11:58

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 08/19/2015 18:18

Lab File ID: z35670.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.8625	0.7930	0.0100	46000	50000	-8.1	20.0
2-Nitroaniline	Ave	0.3815	0.3582	0.0100	46900	50000	-6.1	20.0
1,3-Dimethylnaphthalene	Ave	1.067	0.9666	0.0100	45300	50000	-9.4	20.0
Dimethyl phthalate	Ave	1.104	1.102	0.0100	49900	50000	-0.1	20.0
Coumarin	Ave	0.1595	0.1703	0.0100	53400	50000	6.8	20.0
2,6-Dinitrotoluene	Lin2		0.2650	0.2000	51900	50000	3.9	20.0
Acenaphthylene	Ave	1.849	1.734	0.9000	46900	50000	-6.2	20.0
3-Nitroaniline	Ave	0.2646	0.2806	0.0100	53000	50000	6.0	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.107	1.066	0.0100	48200	50000	-3.7	20.0
Acenaphthene	Ave	1.197	1.113	0.9000	46500	50000	-7.0	20.0
2,4-Dinitrophenol	Lin2		0.1540	0.0100	144000	100000	43.6*	20.0
4-Nitrophenol	Ave	0.1676	0.1632	0.0100	97400	100000	-2.6	20.0
2,4-Dinitrotoluene	Lin2		0.3174	0.2000	55200	50000	10.4	20.0
Dibenzofuran	Ave	1.558	1.496	0.8000	48000	50000	-3.9	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2284	0.2412	0.0100	52800	50000	5.6	20.0
Diethyl phthalate	Ave	0.9889	1.002	0.0100	50700	50000	1.3	20.0
4-Chlorophenyl phenyl ether	Ave	0.5403	0.5452	0.4000	50400	50000	0.9	20.0
Fluorene	Ave	1.196	1.185	0.9000	49600	50000	-0.9	20.0
4-Nitroaniline	Ave	0.2263	0.2562	0.0100	56600	50000	13.2	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1374	0.0100	125000	100000	24.7*	20.0
N-Nitrosodiphenylamine	Ave	0.7937	0.7401	0.0100	79300	85000	-6.7	20.0
1,2-Diphenylhydrazine	Ave	0.9115	0.7761	0.0100	42600	50000	-14.8	20.0
4-Bromophenyl phenyl ether	Ave	0.2226	0.2208	0.1000	49600	50000	-0.8	20.0
Hexachlorobenzene	Ave	0.2274	0.2334	0.1000	51300	50000	2.7	20.0
Pentachlorophenol	Ave	0.1083	0.1189	0.0500	110000	100000	9.8	20.0
Pentachloronitrobenzene	Ave	0.0796	0.0753	0.0100	47300	50000	-5.4	20.0
n-Octadecane	Ave	0.8636	0.7150	0.0100	41400	50000	-17.2	20.0
Phenanthrene	Ave	1.151	1.107	0.7000	48100	50000	-3.9	20.0
Anthracene	Ave	1.160	1.120	0.7000	48300	50000	-3.4	20.0
Carbazole	Ave	0.9410	0.9075	0.0100	48200	50000	-3.6	20.0
Di-n-butyl phthalate	Ave	1.060	1.052	0.0100	49600	50000	-0.8	20.0
Fluoranthene	Ave	0.8864	0.9117	0.6000	51400	50000	2.9	20.0
Benzidine	Ave	0.4275	0.4837		56600	50000	13.1	20.0
Pyrene	Ave	1.977	1.772	0.6000	44800	50000	-10.3	20.0
Bisphenol-A	Ave	0.5435	0.1060		9750	50000	-80.5*	20.0
Butyl benzyl phthalate	Ave	0.6872	0.6664	0.0100	48500	50000	-3.0	20.0
2,3,7,8-TCDD	Ave	0.1850	0.1481	0.0100	400	500	-19.9	20.0
Carbamazepine	Ave	0.4141	0.4380	0.0100	52900	50000	5.8	20.0
3,3'-Dichlorobenzidine	Ave	0.3689	0.4059	0.0100	55000	50000	10.1	20.0
Benzo[a]anthracene	Ave	1.197	1.151	0.8000	48000	50000	-3.9	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-318357/2 Calibration Date: 08/24/2015 05:07
 Instrument ID: CBNAMS11 Calib Start Date: 08/19/2015 11:58
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 08/19/2015 18:18
 Lab File ID: z35670.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Bis(2-ethylhexyl) phthalate	Ave	0.8953	0.9174	0.0100	51200	50000	2.5	20.0
Chrysene	Ave	1.070	1.046	0.7000	48900	50000	-2.3	20.0
Di-n-octyl phthalate	Ave	1.789	1.950	0.0100	54500	50000	9.0	20.0
Benzo[b]fluoranthene	Ave	1.206	1.216	0.7000	50400	50000	0.8	20.0
Benzo[k]fluoranthene	Ave	1.205	1.256	0.7000	52100	50000	4.2	20.0
Benzo[a]pyrene	Ave	1.065	1.101	0.7000	51700	50000	3.3	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.8135	0.8631	0.5000	53000	50000	6.1	20.0
Dibenz(a,h)anthracene	Ave	0.8257	0.8340	0.4000	50500	50000	1.0	20.0
Benzo[g,h,i]perylene	Ave	0.8824	0.7974	0.5000	45200	50000	-9.6	20.0
2-Fluorophenol (Surr)	Ave	1.284	1.214	0.0100	47300	50000	-5.4	20.0
Phenol-d5 (Surr)	Ave	1.508	1.422	0.0100	47100	50000	-5.7	20.0
Nitrobenzene-d5	Ave	0.3537	0.3269	0.0100	46200	50000	-7.6	20.0
2-Fluorobiphenyl	Ave	1.477	1.387	0.0100	46900	50000	-6.1	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1243	0.1229	0.0100	49400	50000	-1.1	20.0
Terphenyl-d14	Ave	1.203	1.152	0.0100	47900	50000	-4.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Lab Sample ID: CCVIS 460-318575/2 Calibration Date: 08/25/2015 04:34

Instrument ID: CBNAMS11 Calib Start Date: 08/19/2015 11:58

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 08/19/2015 18:18

Lab File ID: z35695.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5846	0.5291	0.0100	45300	50000	-9.5	20.0
N-Nitrosodimethylamine	Ave	0.8425	0.7718		45800	50000	-8.4	20.0
Pyridine	Ave	1.404	1.304		46400	50000	-7.1	20.0
Phenol	Ave	1.575	1.510	0.8000	47900	50000	-4.2	20.0
Aniline	Ave	1.957	1.853		47300	50000	-5.3	20.0
Bis(2-chloroethyl)ether	Ave	1.269	1.221	0.7000	48100	50000	-3.8	20.0
2-Chlorophenol	Ave	1.319	1.253	0.8000	47500	50000	-5.0	20.0
n-Decane	Ave	2.290	1.919	0.0100	41900	50000	-16.2	20.0
1,3-Dichlorobenzene	Ave	1.531	1.464		47800	50000	-4.4	20.0
1,4-Dichlorobenzene	Ave	1.543	1.490		48300	50000	-3.5	20.0
Benzyl alcohol	Ave	0.7918	0.6501	0.0100	41100	50000	-17.9	20.0
1,2-Dichlorobenzene	Ave	1.448	1.379		47600	50000	-4.8	20.0
2-Methylphenol	Ave	1.113	1.044	0.7000	46900	50000	-6.2	20.0
2,2'-oxybis[1-chloropropane]	Ave	2.651	2.185	0.0100	41200	50000	-17.6	20.0
Acetophenone	Ave	1.506	1.384	0.0100	45900	50000	-8.1	20.0
3 & 4 Methylphenol	Ave	1.200	1.116		46500	50000	-7.0	20.0
4-Methylphenol	Ave	1.200	1.116	0.6000	46500	50000	-7.0	20.0
N-Nitrosodi-n-propylamine	Ave	0.8489	0.7454	0.5000	43900	50000	-12.2	20.0
Hexachloroethane	Ave	0.5499	0.5265	0.3000	47900	50000	-4.3	20.0
n,n'-Dimethylaniline	Ave	1.900	1.728	0.0100	45500	50000	-9.1	20.0
Nitrobenzene	Ave	0.4835	0.4376	0.2000	45300	50000	-9.5	20.0
Isophorone	Ave	0.5742	0.5226	0.4000	45500	50000	-9.0	20.0
2-Nitrophenol	Ave	0.1827	0.1877	0.1000	51400	50000	2.8	20.0
2,4-Dimethylphenol	Ave	0.3013	0.2790	0.2000	46300	50000	-7.4	20.0
Bis(2-chloroethoxy)methane	Ave	0.3755	0.3554	0.3000	47300	50000	-5.3	20.0
Benzoic acid	Lin2		0.1375		47700	50000	-4.6	20.0
2,4-Dichlorophenol	Ave	0.2796	0.2656	0.2000	47500	50000	-5.0	20.0
1,2,4-Trichlorobenzene	Ave	0.3082	0.3071		49800	50000	-0.3	20.0
Naphthalene	Ave	0.9906	0.9362	0.7000	47300	50000	-5.5	20.0
4-Chloroaniline	Ave	0.3897	0.3707	0.0100	47600	50000	-4.9	20.0
Hexachlorobutadiene	Ave	0.1574	0.1569	0.0100	49800	50000	-0.3	20.0
4-Chloro-3-methylphenol	Ave	0.2383	0.2213		46400	50000	-7.1	20.0
2-Methylnaphthalene	Ave	0.6521	0.6277	0.4000	48100	50000	-3.7	20.0
1-Methylnaphthalene	Ave	0.5589	0.5434	0.0100	48600	50000	-2.8	20.0
Hexachlorocyclopentadiene	Ave	0.3863	0.3874	0.0500	50100	50000	0.3	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5944	0.5964	0.0100	50200	50000	0.3	20.0
2-tertbutyl-4-methylphenol	Ave	0.4251	0.3862	0.0100	45400	50000	-9.1	20.0
2,4,6-Trichlorophenol	Ave	0.3666	0.3667	0.2000	50000	50000	0.0	20.0
2,4,5-Trichlorophenol	Ave	0.3854	0.3846	0.2000	49900	50000	-0.2	20.0
1,1'-Biphenyl	Ave	1.653	1.567	0.0100	47400	50000	-5.2	20.0
2-Chloronaphthalene	Ave	1.227	1.183	0.8000	48200	50000	-3.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Lab Sample ID: CCVIS 460-318575/2 Calibration Date: 08/25/2015 04:34

Instrument ID: CBNAMS11 Calib Start Date: 08/19/2015 11:58

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 08/19/2015 18:18

Lab File ID: z35695.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.8625	0.8045	0.0100	46600	50000	-6.7	20.0
2-Nitroaniline	Ave	0.3815	0.3473	0.0100	45500	50000	-8.9	20.0
1,3-Dimethylnaphthalene	Ave	1.067	0.9678	0.0100	45400	50000	-9.3	20.0
Dimethyl phthalate	Ave	1.104	1.039	0.0100	47100	50000	-5.9	20.0
Coumarin	Ave	0.1595	0.1454	0.0100	45600	50000	-8.8	20.0
2,6-Dinitrotoluene	Lin2		0.2542	0.2000	49800	50000	-0.3	20.0
Acenaphthylene	Ave	1.849	1.719	0.9000	46500	50000	-7.1	20.0
3-Nitroaniline	Ave	0.2646	0.2550	0.0100	48200	50000	-3.7	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.107	1.077	0.0100	48700	50000	-2.7	20.0
Acenaphthene	Ave	1.197	1.075	0.9000	44900	50000	-10.2	20.0
2,4-Dinitrophenol	Lin2		0.1265	0.0100	118000	100000	18.4	20.0
4-Nitrophenol	Ave	0.1676	0.1448	0.0100	86400	100000	-13.6	20.0
2,4-Dinitrotoluene	Lin2		0.2890	0.2000	50300	50000	0.6	20.0
Dibenzofuran	Ave	1.558	1.461	0.8000	46900	50000	-6.2	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2284	0.2413	0.0100	52800	50000	5.6	20.0
Diethyl phthalate	Ave	0.9889	0.9335	0.0100	47200	50000	-5.6	20.0
4-Chlorophenyl phenyl ether	Ave	0.5403	0.5300	0.4000	49000	50000	-1.9	20.0
Fluorene	Ave	1.196	1.145	0.9000	47900	50000	-4.3	20.0
4-Nitroaniline	Ave	0.2263	0.2198	0.0100	48500	50000	-2.9	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1275	0.0100	116000	100000	15.9	20.0
N-Nitrosodiphenylamine	Ave	0.7937	0.7699	0.0100	82500	85000	-3.0	20.0
1,2-Diphenylhydrazine	Ave	0.9115	0.8305	0.0100	45600	50000	-8.9	20.0
4-Bromophenyl phenyl ether	Ave	0.2226	0.2285	0.1000	51300	50000	2.7	20.0
Hexachlorobenzene	Ave	0.2274	0.2351	0.1000	51700	50000	3.4	20.0
Pentachlorophenol	Ave	0.1083	0.1246	0.0500	115000	100000	15.1	20.0
Pentachloronitrobenzene	Ave	0.0796	0.0762	0.0100	47900	50000	-4.2	20.0
n-Octadecane	Ave	0.8636	0.7983	0.0100	46200	50000	-7.6	20.0
Phenanthrene	Ave	1.151	1.109	0.7000	48200	50000	-3.7	20.0
Anthracene	Ave	1.160	1.127	0.7000	48600	50000	-2.9	20.0
Carbazole	Ave	0.9410	0.8632	0.0100	45900	50000	-8.3	20.0
Di-n-butyl phthalate	Ave	1.060	1.036	0.0100	48800	50000	-2.3	20.0
Fluoranthene	Ave	0.8864	0.8630	0.6000	48700	50000	-2.6	20.0
Benzidine	Ave	0.4275	0.3594		42000	50000	-15.9	20.0
Pyrene	Ave	1.977	1.848	0.6000	46800	50000	-6.5	20.0
Bisphenol-A	Ave	0.5435	0.4272		39300	50000	-21.4*	20.0
Butyl benzyl phthalate	Ave	0.6872	0.6583	0.0100	47900	50000	-4.2	20.0
2,3,7,8-TCDD	Ave	0.1850	0.1618	0.0100	437	500	-12.5	20.0
Carbamazepine	Ave	0.4141	0.4195	0.0100	50600	50000	1.3	20.0
3,3'-Dichlorobenzidine	Ave	0.3689	0.3926	0.0100	53200	50000	6.4	20.0
Benzo[a]anthracene	Ave	1.197	1.126	0.8000	47000	50000	-6.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-318575/2 Calibration Date: 08/25/2015 04:34
 Instrument ID: CBNAMS11 Calib Start Date: 08/19/2015 11:58
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 08/19/2015 18:18
 Lab File ID: z35695.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Bis(2-ethylhexyl) phthalate	Ave	0.8953	0.8996	0.0100	50200	50000	0.5	20.0
Chrysene	Ave	1.070	1.036	0.7000	48400	50000	-3.2	20.0
Di-n-octyl phthalate	Ave	1.789	1.775	0.0100	49600	50000	-0.8	20.0
Benzo[b]fluoranthene	Ave	1.206	1.200	0.7000	49800	50000	-0.5	20.0
Benzo[k]fluoranthene	Ave	1.205	1.190	0.7000	49400	50000	-1.2	20.0
Benzo[a]pyrene	Ave	1.065	1.087	0.7000	51000	50000	2.0	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.8135	0.8987	0.5000	55200	50000	10.5	20.0
Dibenz(a,h)anthracene	Ave	0.8257	0.9120	0.4000	55200	50000	10.5	20.0
Benzo[g,h,i]perylene	Ave	0.8824	0.8969	0.5000	50800	50000	1.7	20.0
2-Fluorophenol (Surr)	Ave	1.284	1.232	0.0100	48000	50000	-4.0	20.0
Phenol-d5 (Surr)	Ave	1.508	1.421	0.0100	47100	50000	-5.8	20.0
Nitrobenzene-d5	Ave	0.3537	0.3260	0.0100	46100	50000	-7.8	20.0
2-Fluorobiphenyl	Ave	1.477	1.398	0.0100	47300	50000	-5.3	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1243	0.1293	0.0100	52000	50000	4.0	20.0
Terphenyl-d14	Ave	1.203	1.173	0.0100	48700	50000	-2.5	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Lab Sample ID: CCVIS 460-318191/2 Calibration Date: 08/22/2015 08:21

Instrument ID: CBNAMS5 Calib Start Date: 08/05/2015 07:31

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 08/05/2015 10:44

Lab File ID: x5556.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5883	0.5772	0.0100	49100	50000	-1.9	20.0
N-Nitrosodimethylamine	Ave	0.7897	0.7964		50400	50000	0.9	20.0
Pyridine	Ave	1.341	1.401		52200	50000	4.5	20.0
Aniline	Ave	1.814	1.935		53300	50000	6.7	20.0
Phenol	Ave	1.557	1.714	0.8000	55000	50000	10.1	20.0
Bis(2-chloroethyl)ether	Ave	1.232	1.183	0.7000	48000	50000	-4.0	20.0
2-Chlorophenol	Ave	1.309	1.293	0.8000	49400	50000	-1.3	20.0
n-Decane	Ave	1.502	1.426	0.0100	47500	50000	-5.1	20.0
1,3-Dichlorobenzene	Ave	1.518	1.503		49500	50000	-1.0	20.0
1,4-Dichlorobenzene	Ave	1.549	1.565		50500	50000	1.0	20.0
Benzyl alcohol	Ave	0.7334	0.7181	0.0100	49000	50000	-2.1	20.0
1,2-Dichlorobenzene	Ave	1.428	1.397		48900	50000	-2.2	20.0
2-Methylphenol	Ave	1.091	1.105	0.7000	50700	50000	1.3	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.456	1.394	0.0100	47900	50000	-4.2	20.0
Acetophenone	Ave	1.623	1.687	0.0100	52000	50000	4.0	20.0
N-Nitrosodi-n-propylamine	Ave	0.8150	0.8449	0.5000	51800	50000	3.7	20.0
3 & 4 Methylphenol	Ave	1.249	1.128		45200	50000	-9.7	20.0
4-Methylphenol	Ave	1.249	1.128	0.6000	45200	50000	-9.7	20.0
Hexachloroethane	Ave	0.5587	0.5771	0.3000	51600	50000	3.3	20.0
n,n'-Dimethylaniline	Ave	1.894	1.930	0.0100	51000	50000	1.9	20.0
Nitrobenzene	Ave	0.5015	0.5331	0.2000	53100	50000	6.3	20.0
Isophorone	Ave	0.5308	0.5265	0.4000	49600	50000	-0.8	20.0
2-Nitrophenol	Ave	0.1826	0.1828	0.1000	50100	50000	0.1	20.0
2,4-Dimethylphenol	Ave	0.2893	0.2758	0.2000	47700	50000	-4.7	20.0
Bis(2-chloroethoxy)methane	Ave	0.3579	0.3407	0.3000	47600	50000	-4.8	20.0
Benzoic acid	Qua		0.1477		53800	50000	7.6	20.0
2,4-Dichlorophenol	Ave	0.2734	0.2629	0.2000	48100	50000	-3.8	20.0
1,2,4-Trichlorobenzene	Ave	0.2989	0.2959		49500	50000	-1.0	20.0
Naphthalene	Ave	0.9918	0.9766	0.7000	49200	50000	-1.5	20.0
4-Chloroaniline	Ave	0.3778	0.3783	0.0100	50100	50000	0.1	20.0
Hexachlorobutadiene	Ave	0.1762	0.1822	0.0100	51700	50000	3.4	20.0
4-Chloro-3-methylphenol	Ave	0.2317	0.2362		51000	50000	1.9	20.0
2-Methylnaphthalene	Ave	0.6286	0.6331	0.4000	50400	50000	0.7	20.0
1-Methylnaphthalene	Ave	0.5381	0.5335	0.0100	49600	50000	-0.9	20.0
Hexachlorocyclopentadiene	Ave	0.4304	0.3416	0.0500	39700	50000	-20.6*	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6209	0.6185	0.0100	49800	50000	-0.4	20.0
2-tertbutyl-4-methylphenol	Ave	0.4134	0.4059	0.0100	49100	50000	-1.8	20.0
2,4,6-Trichlorophenol	Ave	0.3647	0.3745	0.2000	51300	50000	2.7	20.0
2,4,5-Trichlorophenol	Ave	0.3861	0.3785	0.2000	49000	50000	-2.0	20.0
1,1'-Biphenyl	Ave	1.593	1.632	0.0100	51200	50000	2.4	20.0
2-Chloronaphthalene	Ave	1.233	1.229	0.8000	49800	50000	-0.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Lab Sample ID: CCVIS 460-318191/2 Calibration Date: 08/22/2015 08:21

Instrument ID: CBNAMS5 Calib Start Date: 08/05/2015 07:31

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 08/05/2015 10:44

Lab File ID: x5556.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.8316	0.8206	0.0100	49300	50000	-1.3	20.0
2-Nitroaniline	Ave	0.3790	0.3361	0.0100	44300	50000	-11.3	20.0
1,3-Dimethylnaphthalene	Ave	1.020	0.9754	0.0100	47800	50000	-4.4	20.0
Dimethyl phthalate	Ave	1.060	1.071	0.0100	50500	50000	1.0	20.0
Coumarin	Ave	0.1388	0.1390	0.0100	50100	50000	0.1	20.0
2,6-Dinitrotoluene	Ave	0.2410	0.2533	0.2000	52600	50000	5.1	20.0
Acenaphthylene	Ave	1.718	1.706	0.9000	49700	50000	-0.7	20.0
3-Nitroaniline	Ave	0.2498	0.2487	0.0100	49800	50000	-0.5	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.155	1.106	0.0100	47900	50000	-4.3	20.0
Acenaphthene	Ave	1.097	1.114	0.9000	50800	50000	1.6	20.0
2,4-Dinitrophenol	Qua		0.1371	0.0100	102000	100000	2.2	20.0
4-Nitrophenol	Ave	0.1610	0.1761	0.0100	109000	100000	9.3	20.0
2,4-Dinitrotoluene	Lin2		0.3038	0.2000	51600	50000	3.3	20.0
Dibenzofuran	Ave	1.486	1.510	0.8000	50800	50000	1.6	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2580	0.2529	0.0100	49000	50000	-2.0	20.0
Diethyl phthalate	Ave	0.9461	0.9724	0.0100	51400	50000	2.8	20.0
4-Chlorophenyl phenyl ether	Ave	0.5563	0.5668	0.4000	50900	50000	1.9	20.0
Fluorene	Ave	1.183	1.233	0.9000	52200	50000	4.3	20.0
4-Nitroaniline	Ave	0.2064	0.2133	0.0100	51700	50000	3.3	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1407	0.0100	103000	100000	2.8	20.0
N-Nitrosodiphenylamine	Ave	0.8047	0.8267	0.0100	87300	85000	2.7	20.0
1,2-Diphenylhydrazine	Ave	0.9448	0.9322	0.0100	49300	50000	-1.3	20.0
4-Bromophenyl phenyl ether	Ave	0.2487	0.2472	0.1000	49700	50000	-0.6	20.0
Hexachlorobenzene	Ave	0.2560	0.2730	0.1000	53300	50000	6.6	20.0
Pentachlorophenol	Lin2		0.1447	0.0500	94700	100000	-5.3	20.0
Pentachloronitrobenzene	Ave	0.0995	0.0963	0.0100	48400	50000	-3.3	20.0
n-Octadecane	Ave	0.6493	0.6392	0.0100	49200	50000	-1.6	20.0
Phenanthrene	Ave	1.126	1.119	0.7000	49700	50000	-0.6	20.0
Anthracene	Ave	1.132	1.142	0.7000	50500	50000	1.0	20.0
Carbazole	Ave	0.8942	0.8781	0.0100	49100	50000	-1.8	20.0
Di-n-butyl phthalate	Ave	1.076	1.046	0.0100	48600	50000	-2.8	20.0
Fluoranthene	Ave	0.8877	0.8669	0.6000	48800	50000	-2.4	20.0
Benzidine	Lin2		0.3158		40100	50000	-19.7	20.0
Pyrene	Ave	1.755	1.692	0.6000	48200	50000	-3.6	20.0
Bisphenol-A	Ave	0.5270	0.5293		50200	50000	0.4	20.0
Butyl benzyl phthalate	Ave	0.6315	0.6122	0.0100	48500	50000	-3.0	20.0
2,3,7,8-TCDD	Ave	0.1888	0.1474	0.0100	390	500	-21.9*	20.0
Carbamazepine	Lin2		0.4090	0.0100	48000	50000	-4.0	20.0
3,3'-Dichlorobenzidine	Ave	0.3689	0.3858	0.0100	52300	50000	4.6	20.0
Benzo[a]anthracene	Ave	1.174	1.119	0.8000	47600	50000	-4.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-318191/2 Calibration Date: 08/22/2015 08:21
 Instrument ID: CBNAMS5 Calib Start Date: 08/05/2015 07:31
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 08/05/2015 10:44
 Lab File ID: x5556.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Bis(2-ethylhexyl) phthalate	Ave	0.8811	0.8819	0.0100	50000	50000	0.0	20.0
Chrysene	Ave	1.074	1.045	0.7000	48700	50000	-2.7	20.0
Di-n-octyl phthalate	Ave	1.647	1.720	0.0100	52200	50000	4.4	20.0
Benzo[b]fluoranthene	Ave	1.109	1.167	0.7000	52600	50000	5.2	20.0
Benzo[k]fluoranthene	Ave	1.222	1.229	0.7000	50300	50000	0.5	20.0
Benzo[a]pyrene	Ave	1.027	1.081	0.7000	52700	50000	5.3	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.7878	0.8644	0.5000	54900	50000	9.7	20.0
Dibenz(a,h)anthracene	Ave	0.7840	0.8893	0.4000	56700	50000	13.4	20.0
Benzo[g,h,i]perylene	Ave	0.8915	0.9173	0.5000	51400	50000	2.9	20.0
2-Fluorophenol (Surr)	Ave	1.209	1.292	0.0100	53400	50000	6.8	20.0
Phenol-d5 (Surr)	Ave	1.377	1.429	0.0100	51900	50000	3.8	20.0
Nitrobenzene-d5	Ave	0.3550	0.3558	0.0100	50100	50000	0.2	20.0
2-Fluorobiphenyl	Ave	1.360	1.438	0.0100	52900	50000	5.7	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1452	0.1628	0.0100	56100	50000	12.1	20.0
Terphenyl-d14	Ave	1.168	1.146	0.0100	49100	50000	-1.8	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35529.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 19-Aug-2015 11:39:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0030910-001
 Misc. Info.: 25 ppm bna 5244
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 20-Aug-2015 09:42:16 Calib Date: 19-Aug-2015 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35546.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK011

First Level Reviewer: croccom

Date: 19-Aug-2015 12:09:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
30 Pentachlorophenol_T	266	5.534	5.534	0.000	92	8936	NC	NC	
56 Benzidine_T	184	7.369	7.369	0.000	100	57040	NC	NC	
124 DFTPP									
126 4,4'-DDD	235	8.045	8.045	0.000	1	270		NR	
127 4,4'-DDT	235	8.363	8.363	0.000	97	22330	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Reagents:

SMDFTP_CH_00011

Amount Added: 1.00

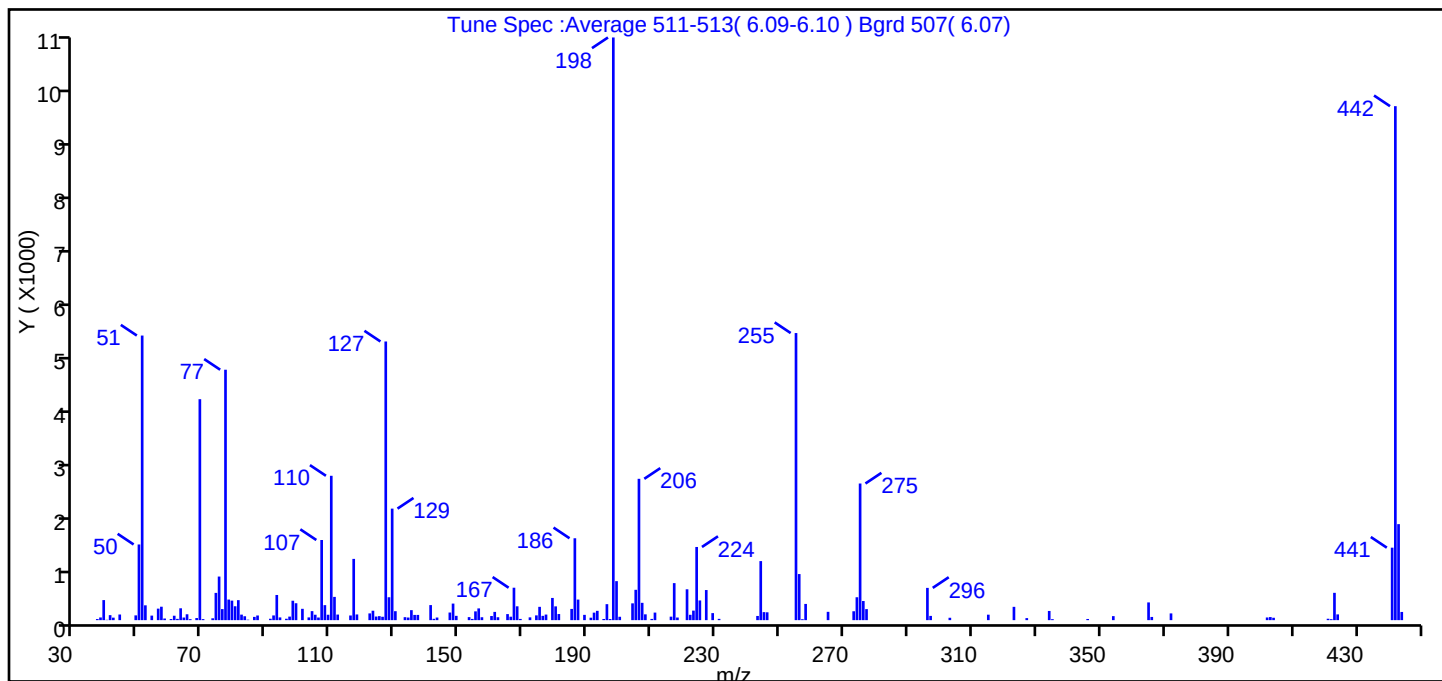
Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35529.D
Injection Date: 19-Aug-2015 11:39:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9
Tune Method: DFTPP Method 8270

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	48.8
68	<2% of mass 69	0.4 (0.9)
69	Present	37.9
70	<2% of mass 69	0.2 (0.5)
127	40-60% of mass 198	47.8
197	<1% of mass 198	0.2
199	5-9% of mass 198	6.7
275	10-30% of mass 198	23.4
365	>1% of mass 198	3.0
441	Present but less than mass 443	12.4 (75.5)
442	>40% of mass 198	88.2
443	17-23% of mass 442	16.5 (18.7)

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35529.D\8270_11R_9.rsl\spectra.d
Injection Date: 19-Aug-2015 11:39:30
Spectrum: Tune Spec :Average 511-513(6.09-6.10) Bgrd 507(6.07)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 171

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	19	96.00	24	160.00	71	225.00	339
38.00	46	97.00	61	161.00	142	227.00	518
39.00	345	98.00	334	162.00	50	229.00	121
40.00	6	99.00	291	165.00	104	231.00	22
41.00	86	101.00	195	166.00	59	243.00	72
42.00	43	103.00	47	167.00	558	244.00	1016
44.00	97	104.00	155	168.00	238	245.00	138
49.00	82	105.00	93	169.00	21	246.00	135
50.00	1302	106.00	45	172.00	48	255.00	4940
51.00	4897	107.00	1379	174.00	82	256.00	793
52.00	255	108.00	258	175.00	229	257.00	16
54.00	78	109.00	93	176.00	74	258.00	279
56.00	198	110.00	2484	177.00	96	265.00	143
57.00	231	111.00	400	179.00	382	273.00	153
58.00	28	112.00	96	180.00	237	274.00	394
60.00	19	116.00	80	181.00	105	275.00	2351
61.00	76	117.00	1054	185.00	193	276.00	329
62.00	22	118.00	98	186.00	1409	277.00	190
63.00	204	122.00	116	187.00	354	296.00	555
64.00	45	123.00	162	189.00	91	297.00	73
65.00	101	124.00	62	191.00	42	303.00	41
66.00	17	125.00	69	192.00	129	315.00	94
68.00	36	126.00	58	193.00	160	323.00	229
69.00	3802	127.00	4795	195.00	20	327.00	35
70.00	18	128.00	394	196.00	275	334.00	158
73.00	32	129.00	1919	197.00	19	335.00	17
74.00	469	130.00	154	198.00	10026	346.00	20
75.00	750	133.00	51	199.00	671	354.00	69
76.00	190	134.00	45	200.00	58	365.00	305
77.00	4309	135.00	172	204.00	289	366.00	55
78.00	354	136.00	90	205.00	522	372.00	116
79.00	336	137.00	90	206.00	2432	402.00	46
80.00	239	141.00	259	207.00	298	403.00	53

Report Date: 20-Aug-2015 09:42:17

Chrom Revision: 2.2 23-Jul-2015 08:26:08

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35529.D\8270_11R_9.rslt\spectra.d

Injection Date: 19-Aug-2015 11:39:30

Spectrum: Tune Spec :Average 511-513(6.09-6.10) Bgrd 507(6.07)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 171

m/z	Y	m/z	Y	m/z	Y	m/z	Y
81.00	344	142.00	23	208.00	100	404.00	41
82.00	95	143.00	45	210.00	21	421.00	24
83.00	67	147.00	131	211.00	130	422.00	16
84.00	8	148.00	285	216.00	60	423.00	470
86.00	56	149.00	74	217.00	637	424.00	99
87.00	80	153.00	52	218.00	45	441.00	1247
91.00	24	154.00	21	221.00	531	442.00	8844
92.00	81	155.00	151	222.00	92	443.00	1652
93.00	433	156.00	202	223.00	164	444.00	141
94.00	47	157.00	50	224.00	1259		

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35529.D
Injection Date: 19-Aug-2015 11:39:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

127 4,4'-DDT, Detector: MS SCAN

SW-846 Method

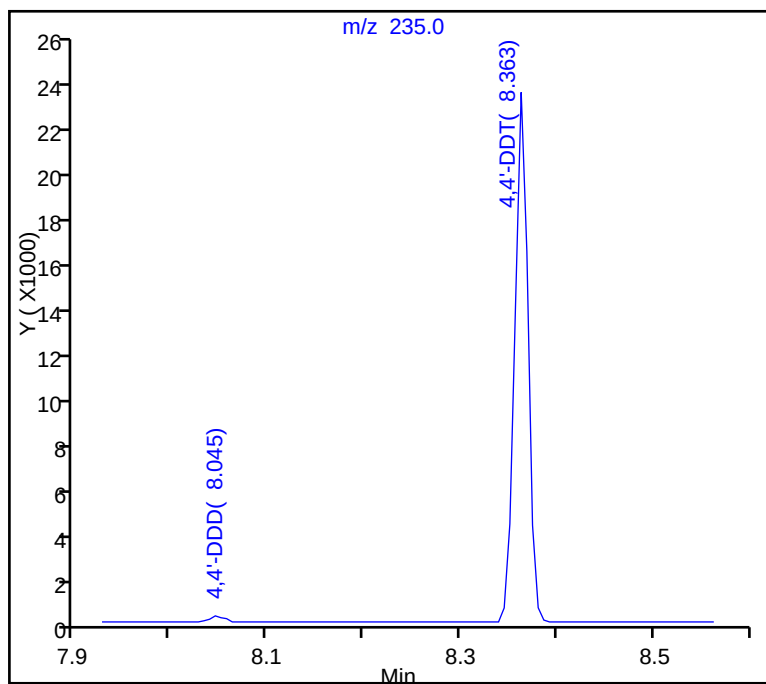
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 22330

126 4,4'-DDD, Area = 270

125 4,4'-DDE, Area = 0

%Breakdown: 1.19%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35529.D
Injection Date: 19-Aug-2015 11:39:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

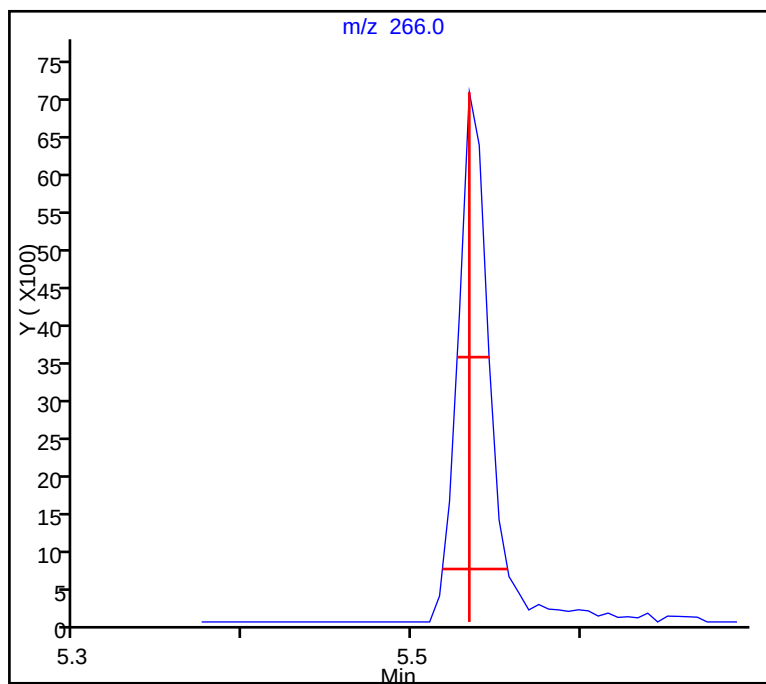
30 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.023 (min.)

Front Width = 0.016 (min.)

Tailing Factor = 1.4, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35529.D
Injection Date: 19-Aug-2015 11:39:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

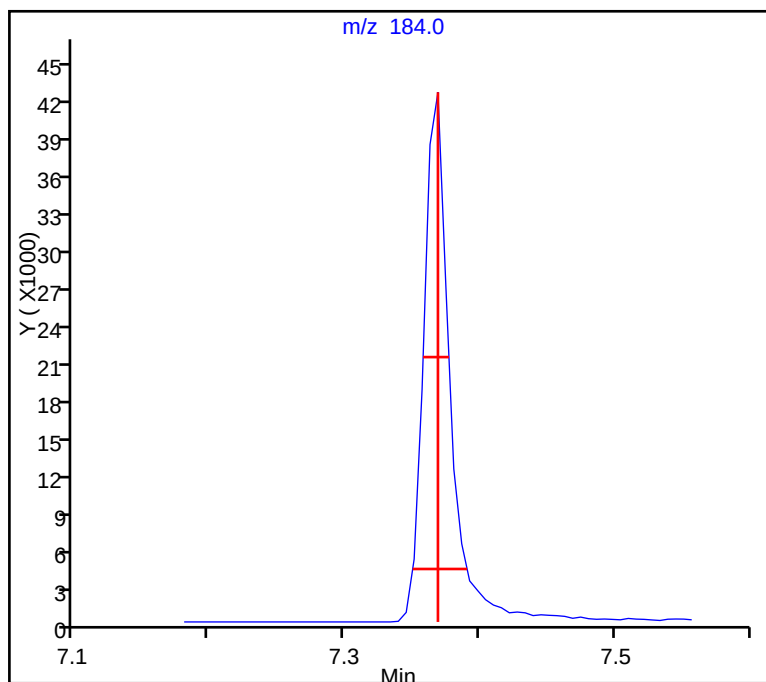
56 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.022 (min.)

Front Width = 0.019 (min.)

Tailing Factor = 1.2, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35639a.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 22-Aug-2015 08:02:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031003-001
 Misc. Info.: 25 ppm bna 5244
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Aug-2015 09:58:57 Calib Date: 19-Aug-2015 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35546.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: szczecha

Date: 24-Aug-2015 09:58:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
30 Pentachlorophenol_T	266	5.440	5.440	0.000	93	18448	NC	NC	
56 Benzidine_T	184	7.263	7.263	0.000	100	109715	NC	NC	
124 DFTPP									
126 4,4'-DDD	235	7.945	7.945	0.000	91	586		NR	
127 4,4'-DDT	235	8.263	8.263	0.000	98	42734	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Reagents:

SMDFTP_CH_00011

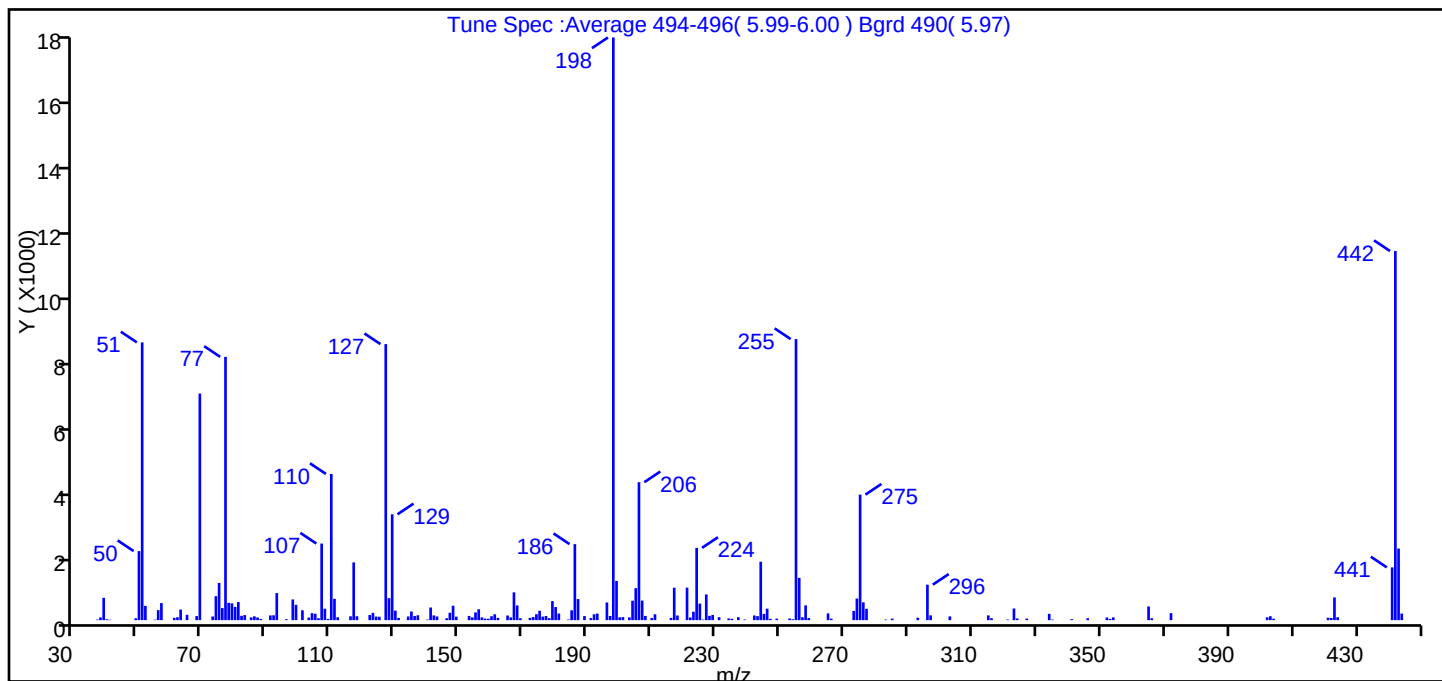
Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35639a.D
Injection Date: 22-Aug-2015 08:02:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_11R_9 Limit Group: SV 8270D ICAL
Tune Method: DFTPP Method 8270

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	47.7
68	<2% of mass 69	0.7 (1.8)
69	Present	38.9
70	<2% of mass 69	0.0 (0.0)
127	40-60% of mass 198	47.4
197	<1% of mass 198	0.7
199	5-9% of mass 198	6.7
275	10-30% of mass 198	21.5
365	>1% of mass 198	2.4
441	Present but less than mass 443	9.1 (73.7)
442	>40% of mass 198	63.3
443	17-23% of mass 442	12.3 (19.4)

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35639a.D\8270_11R_9.rsl\spectra.d
Injection Date: 22-Aug-2015 08:02:30
Spectrum: Tune Spec :Average 494-496(5.99-6.00) Bgrd 490(5.97)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 193

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	18	111.00	648	180.00	398	254.00	28
38.00	83	112.00	87	181.00	200	255.00	8540
39.00	678	116.00	117	184.00	19	256.00	1284
40.00	28	117.00	1754	185.00	299	257.00	89
41.00	11	118.00	118	186.00	2310	258.00	450
49.00	56	122.00	155	187.00	641	259.00	62
50.00	2098	123.00	221	189.00	124	265.00	205
51.00	8440	124.00	110	191.00	63	266.00	44
52.00	434	125.00	103	192.00	178	273.00	280
55.00	16	127.00	8387	193.00	200	274.00	656
56.00	304	128.00	668	196.00	538	275.00	3814
57.00	519	129.00	3216	197.00	127	276.00	541
61.00	70	130.00	289	198.00	17704	277.00	345
62.00	88	131.00	67	199.00	1191	283.00	17
63.00	321	134.00	111	200.00	87	285.00	46
65.00	161	135.00	263	201.00	93	293.00	74
68.00	123	136.00	128	203.00	84	296.00	1077
69.00	6885	137.00	148	204.00	590	297.00	145
73.00	111	140.00	17	205.00	972	303.00	114
74.00	728	141.00	383	206.00	4191	315.00	144
75.00	1130	142.00	144	207.00	594	316.00	58
76.00	366	143.00	112	208.00	128	321.00	19
77.00	8000	146.00	58	210.00	67	323.00	354
78.00	525	147.00	225	211.00	179	324.00	50
79.00	511	148.00	438	216.00	68	327.00	48
80.00	403	149.00	106	217.00	986	334.00	192
81.00	552	153.00	128	218.00	141	335.00	17
82.00	131	154.00	83	221.00	988	341.00	29
83.00	154	155.00	236	222.00	81	346.00	57
84.00	2	156.00	331	223.00	257	352.00	81
85.00	84	157.00	83	224.00	2196	353.00	37
86.00	116	158.00	48	225.00	504	354.00	85
87.00	81	159.00	41	226.00	17	365.00	417

Report Date: 24-Aug-2015 09:58:59

Chrom Revision: 2.2 23-Jul-2015 08:26:08

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35639a.D\8270_11R_9.rslt\spectra.d

Injection Date: 22-Aug-2015 08:02:30

Spectrum: Tune Spec :Average 494-496(5.99-6.00) Bgrd 490(5.97)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 193

m/z	Y	m/z	Y	m/z	Y	m/z	Y
88.00	37	160.00	119	227.00	782	366.00	58
91.00	143	161.00	178	228.00	131	372.00	213
92.00	148	162.00	70	229.00	157	402.00	87
93.00	823	165.00	141	231.00	90	403.00	119
96.00	30	166.00	84	234.00	51	404.00	44
98.00	629	167.00	844	235.00	43	421.00	74
99.00	465	168.00	447	237.00	91	422.00	67
101.00	299	169.00	58	239.00	19	423.00	690
103.00	78	172.00	69	242.00	142	424.00	88
104.00	212	173.00	94	243.00	122	441.00	1603
105.00	194	174.00	180	244.00	1775	442.00	11215
106.00	58	175.00	284	245.00	190	443.00	2174
107.00	2327	176.00	108	246.00	348	444.00	200
108.00	347	177.00	127	247.00	40		
109.00	36	178.00	61	249.00	47		
110.00	4442	179.00	578	253.00	50		

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35639a.D
Injection Date: 22-Aug-2015 08:02:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

127 4,4'-DDT, Detector: MS SCAN

SW-846 Method

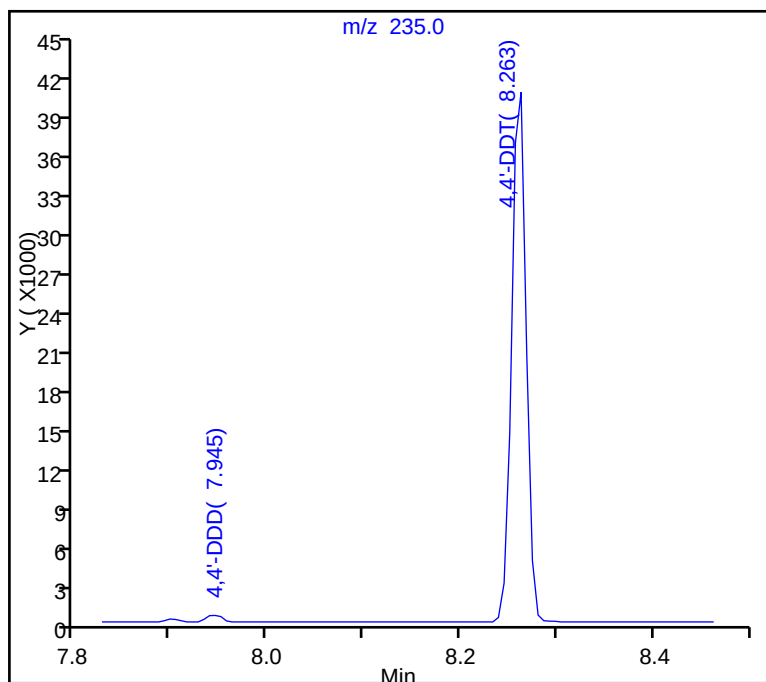
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 42734

126 4,4'-DDD, Area = 586

125 4,4'-DDE, Area = 0

%Breakdown: 1.35%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35639a.D
Injection Date: 22-Aug-2015 08:02:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

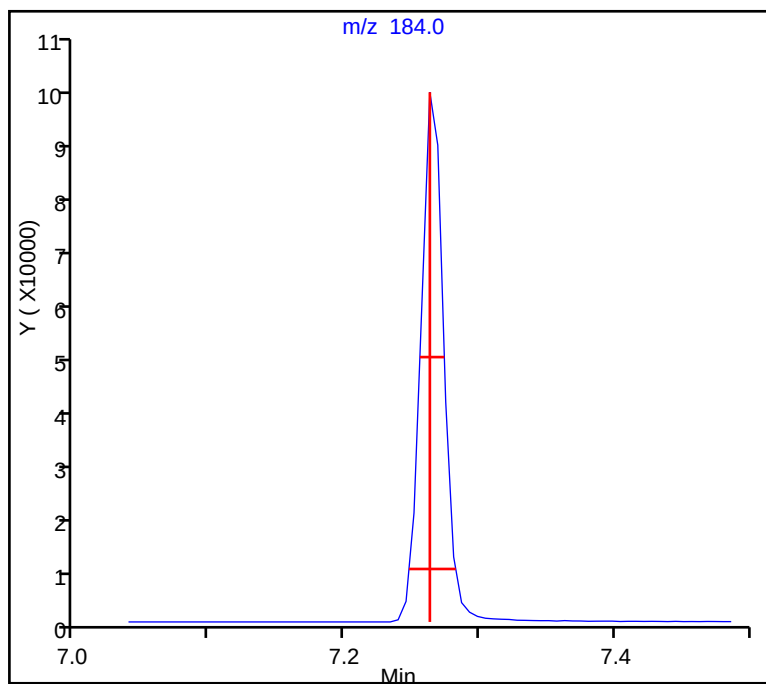
56 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.019 (min.)

Front Width = 0.015 (min.)

Tailing Factor = 1.2, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35639a.D
Injection Date: 22-Aug-2015 08:02:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

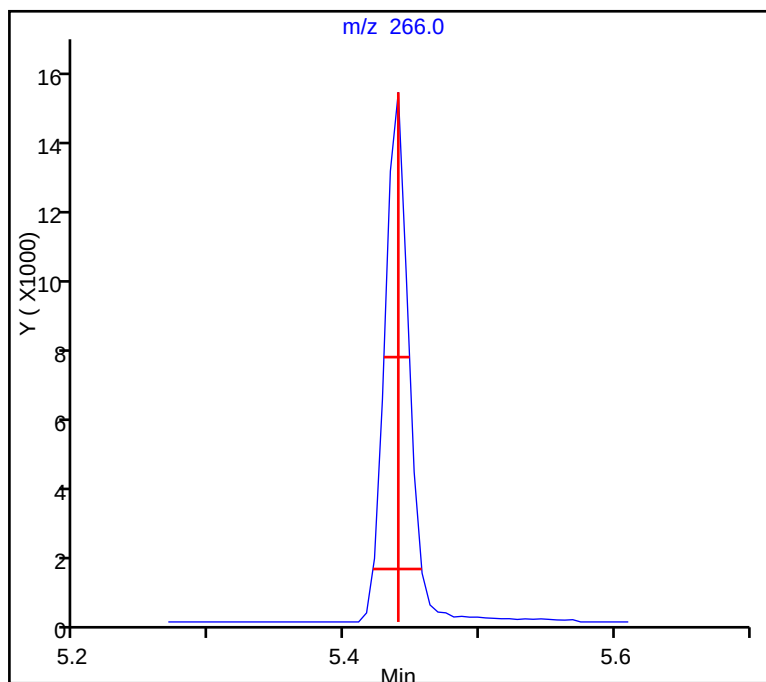
30 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)

Front Width = 0.019 (min.)

Tailing Factor = 0.9, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35669.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 24-Aug-2015 04:51:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031030-001
 Misc. Info.: 25 ppm bna 5244
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Aug-2015 16:12:41 Calib Date: 19-Aug-2015 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35546.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: szczech

Date: 24-Aug-2015 16:12:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
30 Pentachlorophenol_T	266	5.416	5.416	0.000	93	10554	NC	NC	
56 Benzidine_T	184	7.239	7.239	0.000	100	80213	NC	NC	
124 DFTPP									
126 4,4'-DDD	235	7.910	7.910	0.000	85	308		NR	
125 4,4'-DDE	246	8.228	8.228	0.000	54	1707		NR	
127 4,4'-DDT	235	8.228	8.228	0.000	98	30176	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Reagents:

SMDFTP_CH_00011

Amount Added: 1.00

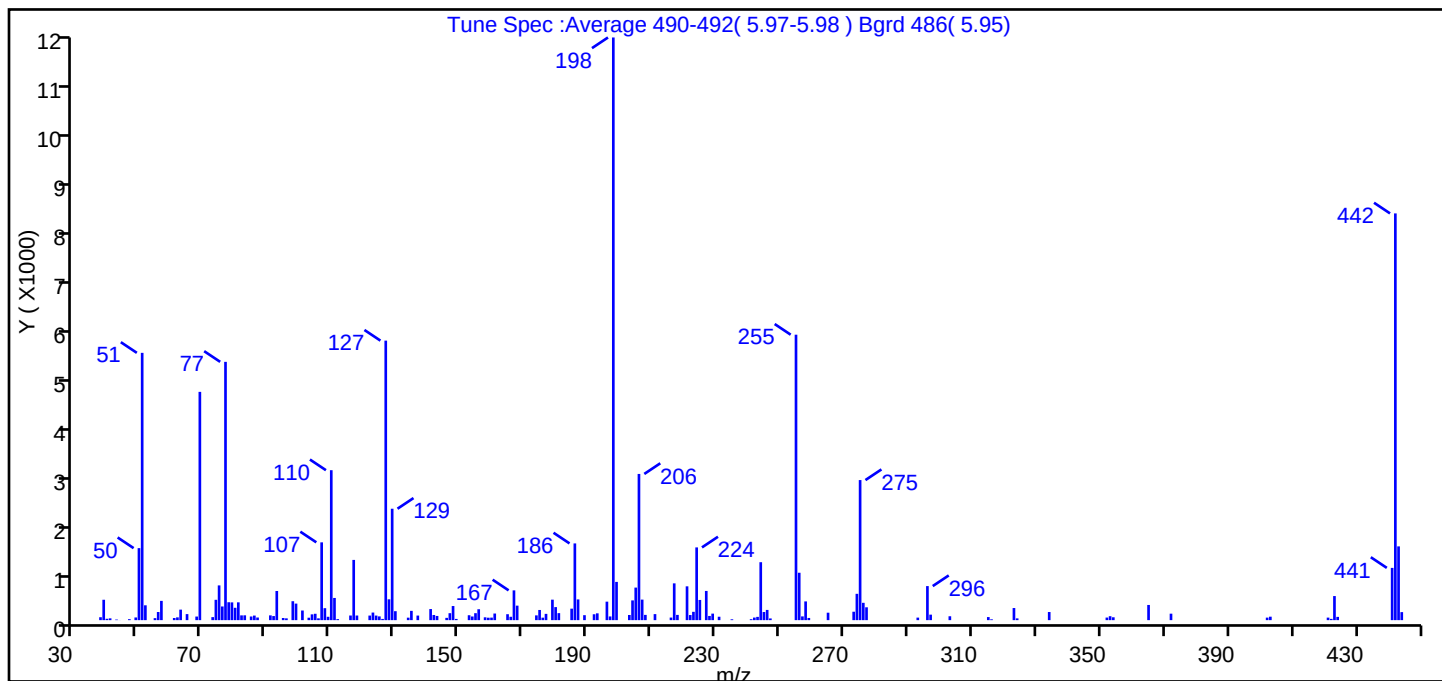
Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35669.D
Injection Date: 24-Aug-2015 04:51:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9
Tune Method: DFTPP Method 8270

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	45.9
68	<2% of mass 69	0.6 (1.6)
69	Present	39.2
70	<2% of mass 69	0.0 (0.0)
127	40-60% of mass 198	48.0
197	<1% of mass 198	0.6
199	5-9% of mass 198	6.6
275	10-30% of mass 198	24.0
365	>1% of mass 198	2.6
441	Present but less than mass 443	9.0 (70.8)
442	>40% of mass 198	69.8
443	17-23% of mass 442	12.7 (18.1)

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35669.D\8270_11R_9.rsl\spectra.d
Injection Date: 24-Aug-2015 04:51:30
Spectrum: Tune Spec :Average 490-492(5.97-5.98) Bgrd 486(5.95)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 165

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	60	103.00	50	167.00	612	244.00	1191
39.00	419	104.00	119	168.00	298	245.00	167
40.00	28	105.00	131	174.00	98	246.00	210
41.00	37	106.00	37	175.00	209	247.00	35
43.00	12	107.00	1599	176.00	51	255.00	5867
44.00	1	108.00	246	177.00	129	256.00	974
47.00	20	109.00	69	179.00	421	257.00	77
49.00	55	110.00	3082	180.00	268	258.00	385
50.00	1480	111.00	456	181.00	144	259.00	45
51.00	5494	112.00	21	185.00	236	265.00	153
52.00	305	116.00	95	186.00	1577	273.00	173
55.00	41	117.00	1238	187.00	426	274.00	541
56.00	167	118.00	95	189.00	102	275.00	2879
57.00	396	122.00	94	192.00	121	276.00	356
61.00	44	123.00	156	193.00	140	277.00	264
62.00	57	124.00	94	196.00	380	293.00	52
63.00	216	125.00	77	197.00	76	296.00	700
65.00	124	126.00	25	198.00	11976	297.00	113
68.00	74	127.00	5745	199.00	786	303.00	80
69.00	4692	128.00	428	203.00	106	315.00	63
73.00	62	129.00	2290	204.00	406	316.00	17
74.00	418	130.00	184	205.00	669	323.00	249
75.00	714	134.00	51	206.00	3005	324.00	36
76.00	281	135.00	191	207.00	422	334.00	167
77.00	5309	137.00	94	208.00	108	352.00	53
78.00	368	141.00	228	211.00	124	353.00	81
79.00	365	142.00	106	216.00	53	354.00	59
80.00	254	143.00	86	217.00	756	365.00	312
81.00	366	146.00	47	218.00	108	372.00	133
82.00	98	147.00	143	221.00	695	402.00	52
83.00	99	148.00	290	222.00	105	403.00	71
85.00	75	149.00	25	223.00	171	421.00	52
86.00	94	153.00	101	224.00	1495	422.00	26

Report Date: 24-Aug-2015 16:12:46

Chrom Revision: 2.2 23-Jul-2015 08:26:08

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35669.D\8270_11R_9.rslt\spectra.d

Injection Date: 24-Aug-2015 04:51:30

Spectrum: Tune Spec :Average 490-492(5.97-5.98) Bgrd 486(5.95)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 165

m/z	Y	m/z	Y	m/z	Y	m/z	Y
87.00	54	154.00	75	225.00	415	423.00	495
91.00	98	155.00	143	227.00	600	424.00	67
92.00	84	156.00	224	228.00	86	441.00	1074
93.00	599	158.00	58	229.00	134	442.00	8360
95.00	44	159.00	50	231.00	70	443.00	1516
96.00	37	160.00	52	235.00	17	444.00	165
98.00	389	161.00	136	241.00	19		
99.00	340	165.00	122	242.00	53		
101.00	198	166.00	69	243.00	67		

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35669.D
Injection Date: 24-Aug-2015 04:51:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

127 4,4'-DDT, Detector: MS SCAN

SW-846 Method

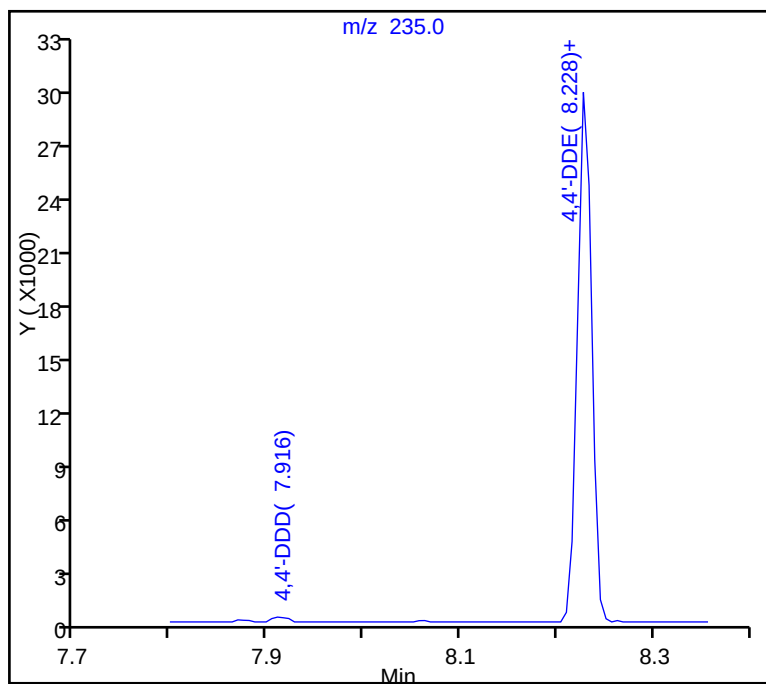
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 30176

126 4,4'-DDD, Area = 308

125 4,4'-DDE, Area = 1707

%Breakdown: 6.26%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35669.D
Injection Date: 24-Aug-2015 04:51:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9

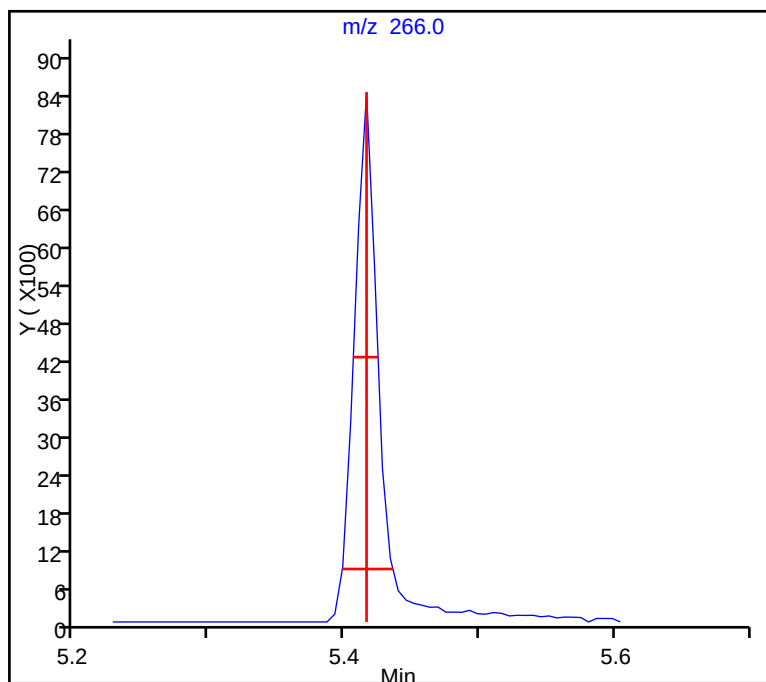
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

30 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.020 (min.)
Front Width = 0.018 (min.)

Tailing Factor = 1.1, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35669.D
Injection Date: 24-Aug-2015 04:51:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9

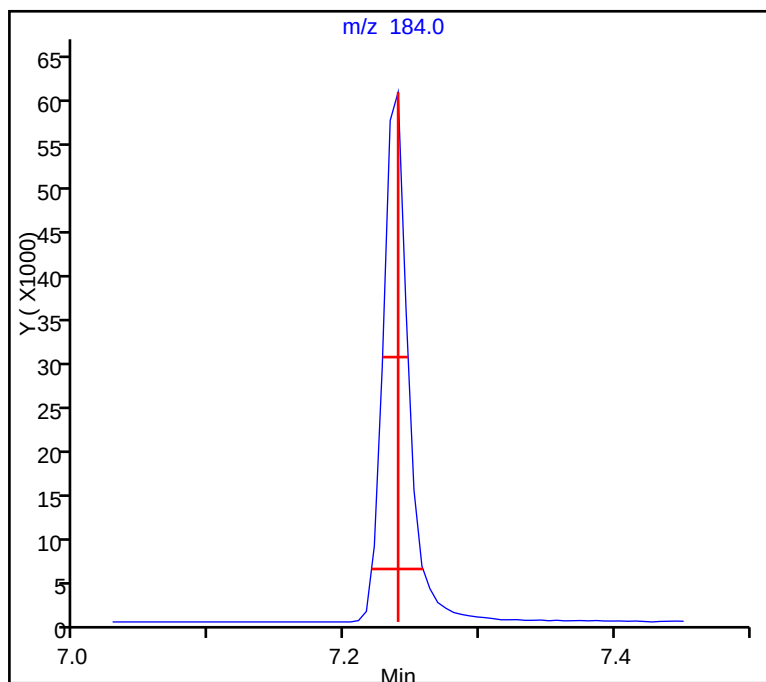
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

56 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.018 (min.)
Front Width = 0.020 (min.)

Tailing Factor = 0.9, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150825-31068.b\z35694.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 25-Aug-2015 04:15:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031068-001
 Misc. Info.: 25 ppm bna 5244
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150825-31068.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 25-Aug-2015 12:57:42 Calib Date: 19-Aug-2015 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35546.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK037

First Level Reviewer: szczech

Date: 25-Aug-2015 12:57:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
30 Pentachlorophenol_T	266	5.399	5.399	0.000	93	15689	NC	NC	
56 Benzidine_T	184	7.222	7.222	0.000	100	106751	NC	NC	
124 DFTPP									
126 4,4'-DDD	235	7.898	7.898	0.000	89	551		NR	
125 4,4'-DDE	246	8.216	8.216	0.000	54	2376		NR	
127 4,4'-DDT	235	8.216	8.216	0.000	98	42755	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Reagents:

SMDFTP_CH_00011

Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150825-31068.b\z35694.D

Injection Date: 25-Aug-2015 04:15:30

Instrument ID: CBNAMS11

Lims ID: dftpp

Client ID:

Operator ID:

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 ul

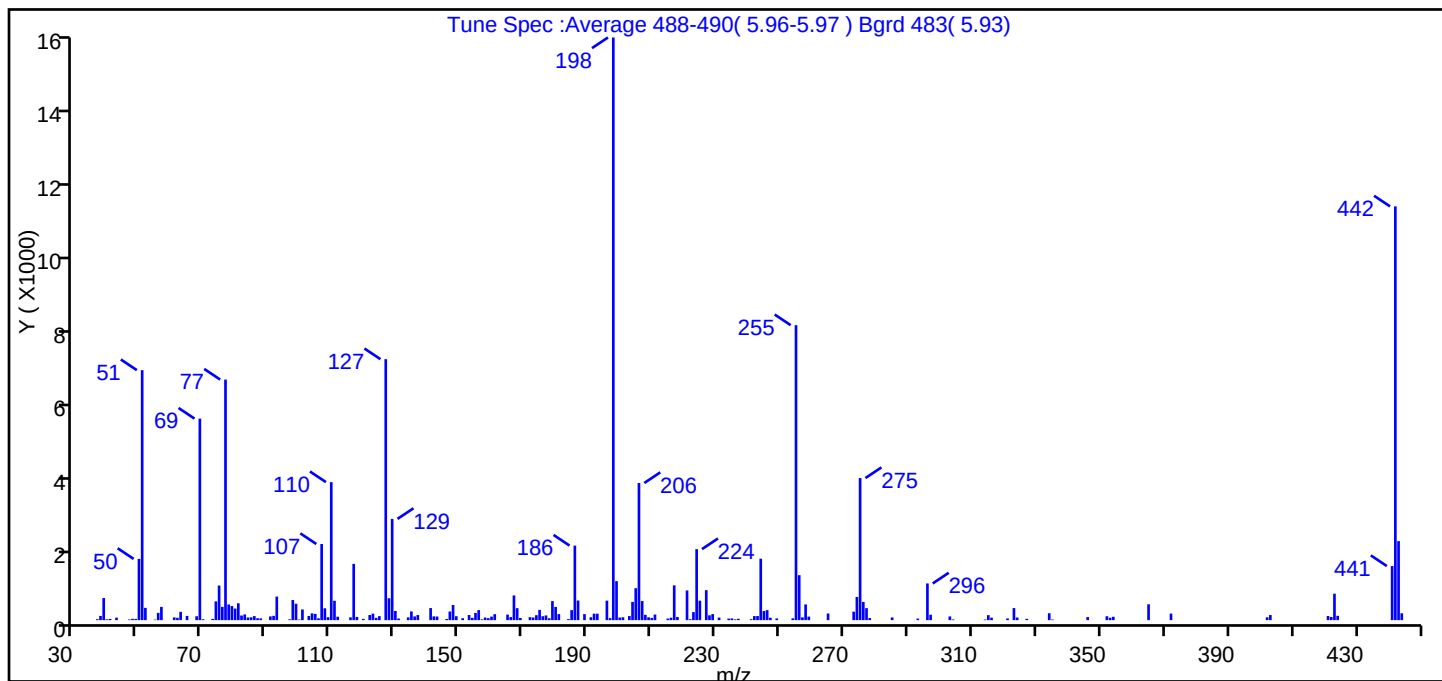
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Tune Method: DFTPP Method 8270

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	42.9
68	<2% of mass 69	0.7 (1.9)
69	Present	34.6
70	<2% of mass 69	0.2 (0.4)
127	40-60% of mass 198	44.8
197	<1% of mass 198	0.3
199	5-9% of mass 198	6.7
275	10-30% of mass 198	24.4
365	>1% of mass 198	2.7
441	Present but less than mass 443	9.3 (68.5)
442	>40% of mass 198	71.0
443	17-23% of mass 442	13.6 (19.1)

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150825-31068.b\z35694.D\8270_11R_9.rsl\spectra.d
Injection Date: 25-Aug-2015 04:15:30
Spectrum: Tune Spec :Average 488-490(5.96-5.97) Bgrd 483(5.93)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 197

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	26	107.00	2074	177.00	128	246.00	274
38.00	115	108.00	323	178.00	51	247.00	66
39.00	602	109.00	80	179.00	518	249.00	47
40.00	23	110.00	3760	180.00	361	254.00	49
41.00	33	111.00	528	181.00	165	255.00	8036
43.00	69	112.00	94	184.00	28	256.00	1225
47.00	18	116.00	76	185.00	273	257.00	76
48.00	37	117.00	1533	186.00	2031	258.00	428
49.00	33	118.00	88	187.00	535	259.00	96
50.00	1668	120.00	34	189.00	164	265.00	181
51.00	6811	122.00	139	191.00	79	273.00	231
52.00	334	123.00	178	192.00	177	274.00	632
55.00	14	124.00	63	193.00	176	275.00	3871
56.00	198	125.00	109	196.00	531	276.00	496
57.00	361	127.00	7110	197.00	54	277.00	327
61.00	75	128.00	596	198.00	15874	278.00	56
62.00	64	129.00	2758	199.00	1062	285.00	74
63.00	227	130.00	250	200.00	71	293.00	42
65.00	115	131.00	44	201.00	78	296.00	1000
68.00	106	134.00	76	203.00	112	297.00	147
69.00	5490	135.00	238	204.00	498	303.00	101
70.00	24	136.00	102	205.00	871	304.00	19
73.00	33	137.00	139	206.00	3736	314.00	17
74.00	512	141.00	329	207.00	521	315.00	136
75.00	943	142.00	103	208.00	144	316.00	67
76.00	361	143.00	99	209.00	78	321.00	48
77.00	6554	146.00	31	210.00	60	323.00	329
78.00	426	147.00	236	211.00	153	324.00	72
79.00	384	148.00	412	215.00	43	327.00	36
80.00	315	149.00	107	216.00	67	334.00	189
81.00	459	151.00	53	217.00	948	335.00	17
82.00	126	153.00	139	218.00	87	346.00	84
83.00	156	154.00	63	221.00	809	352.00	107

Report Date: 25-Aug-2015 12:57:44

Chrom Revision: 2.2 23-Jul-2015 08:26:08

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150825-31068.b\z35694.D\8270_11R_9.rsl\spectra.d

Injection Date: 25-Aug-2015 04:15:30

Spectrum: Tune Spec :Average 488-490(5.96-5.97) Bgrd 483(5.93)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 197

m/z	Y	m/z	Y	m/z	Y	m/z	Y
84.00	72	155.00	196	222.00	25	353.00	66
85.00	77	156.00	274	223.00	219	354.00	92
86.00	110	157.00	20	224.00	1935	365.00	432
87.00	52	158.00	71	225.00	531	372.00	178
88.00	48	159.00	54	227.00	817	402.00	77
91.00	102	160.00	96	228.00	132	403.00	139
92.00	117	161.00	163	229.00	165	421.00	113
93.00	642	165.00	151	231.00	70	422.00	86
97.00	22	166.00	84	234.00	43	423.00	720
98.00	548	167.00	673	235.00	46	424.00	118
99.00	447	168.00	326	236.00	20	441.00	1474
100.00	16	169.00	58	237.00	37	442.00	11272
101.00	291	172.00	81	241.00	25	443.00	2153
103.00	113	173.00	73	242.00	111	444.00	187
104.00	185	174.00	135	243.00	113		
105.00	171	175.00	279	244.00	1674		
106.00	50	176.00	107	245.00	249		

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150825-31068.b\z35694.D
Injection Date: 25-Aug-2015 04:15:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

127 4,4'-DDT, Detector: MS SCAN

SW-846 Method

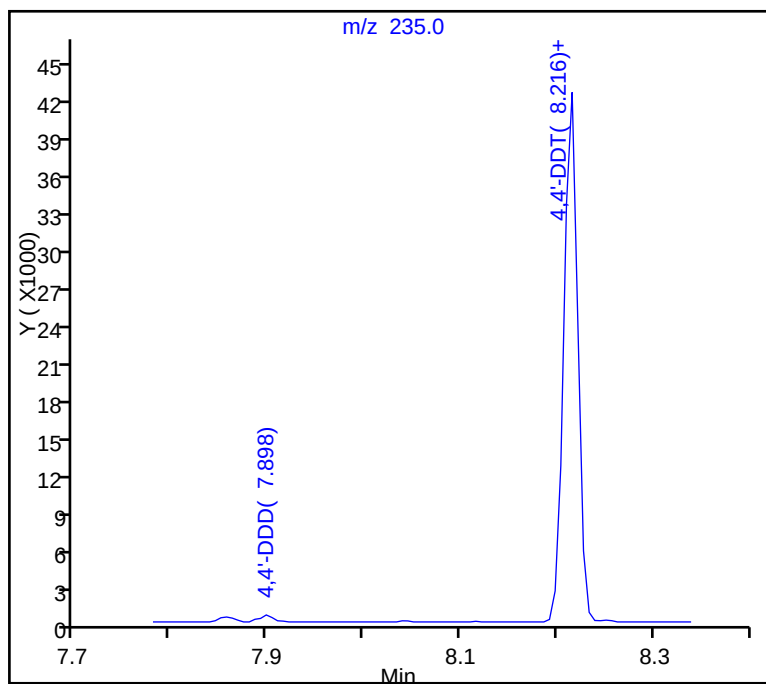
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 42755

126 4,4'-DDD, Area = 551

125 4,4'-DDE, Area = 2376

%Breakdown: 6.41%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150825-31068.b\z35694.D
Injection Date: 25-Aug-2015 04:15:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

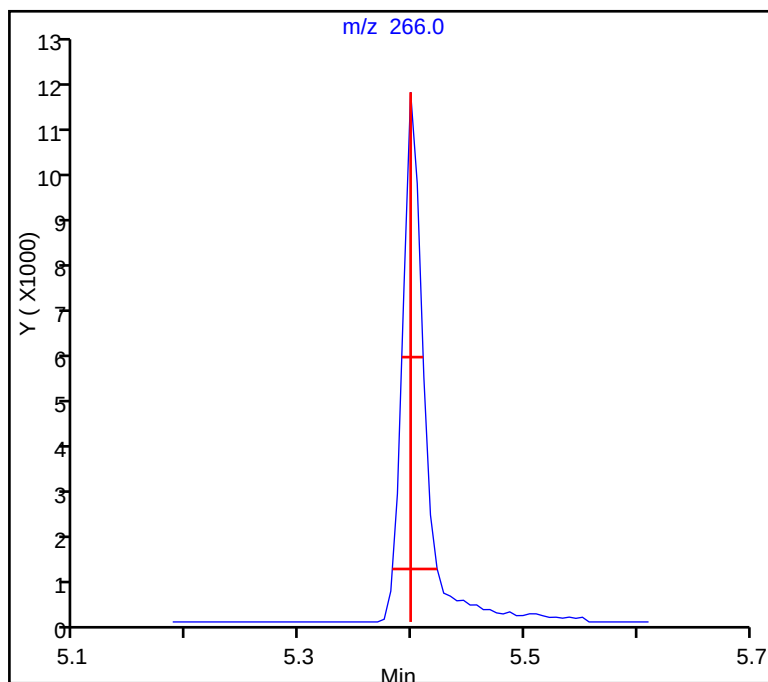
30 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.024 (min.)

Front Width = 0.016 (min.)

Tailing Factor = 1.4, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150825-31068.b\z35694.D
Injection Date: 25-Aug-2015 04:15:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

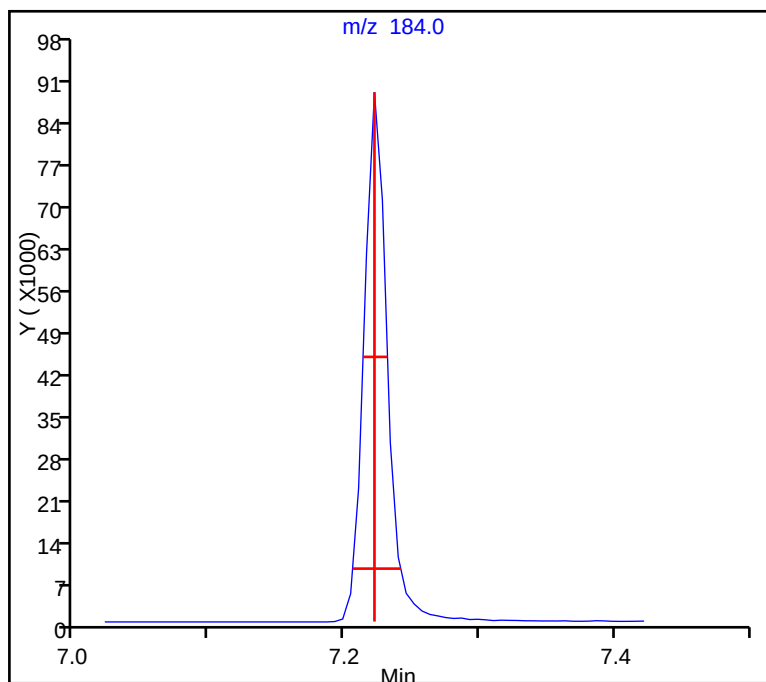
56 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.020 (min.)

Front Width = 0.016 (min.)

Tailing Factor = 1.2, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150805-30411.b\4901.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 05-Aug-2015 07:17:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0030411-001
 Misc. Info.: 25 ppm bna 5100
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20150805-30411.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 06-Aug-2015 08:53:58 Calib Date: 05-Aug-2015 13:32:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20150805-30411.b\4917.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK003

First Level Reviewer: szczech

Date: 06-Aug-2015 08:53:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
30 Pentachlorophenol_T	266	5.269	5.269	0.000	92	127469	NC	NC	
55 Benzidine_T	184	7.104	7.104	0.000	99	562784	NC	NC	
124 DFTPP									
126 4,4'-DDD	235	7.786	7.786	0.000	94	5434		NR	
127 4,4'-DDT	235	8.104	8.104	0.000	98	269250	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Reagents:

SMDFTP_CH_00011

Amount Added: 1.00

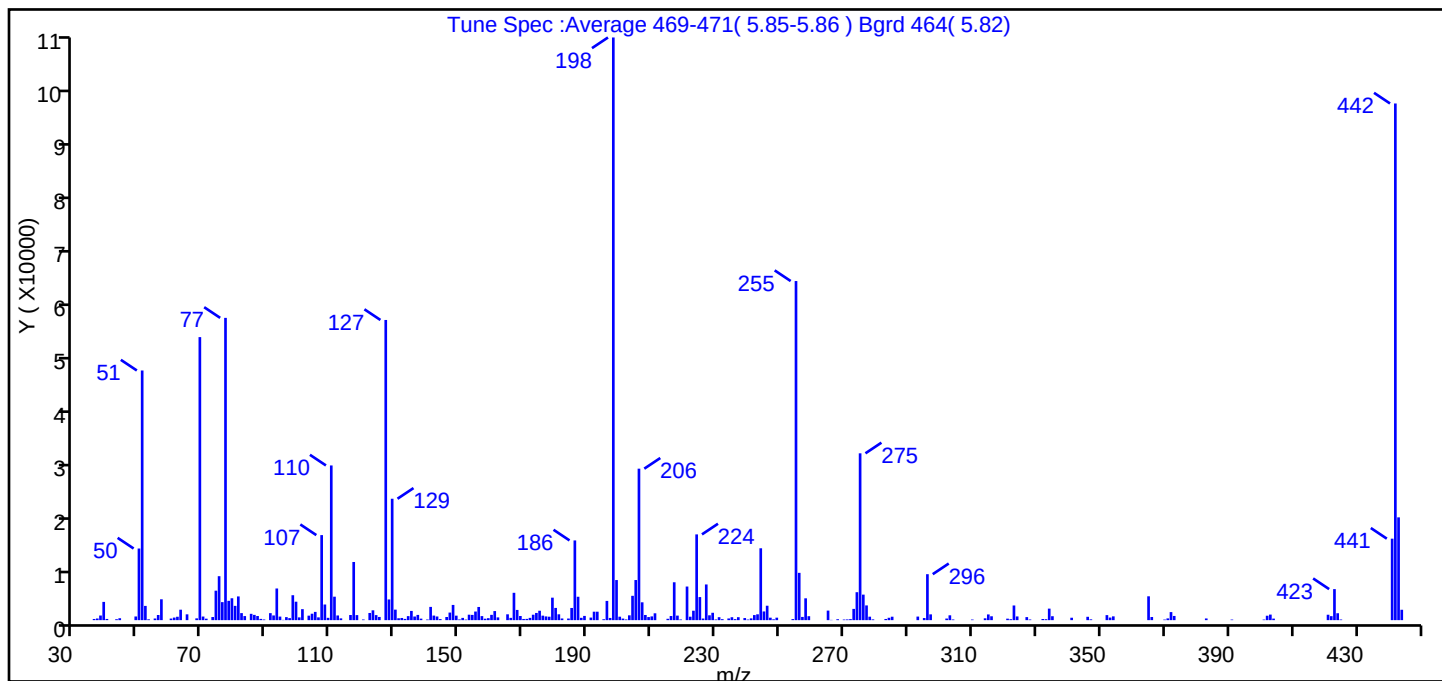
Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150805-30411.b\4901.D
Injection Date: 05-Aug-2015 07:17:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R
Tune Method: DFTPP Method 8270

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	42.8
68	<2% of mass 69	0.3 (0.6)
69	Present	48.6
70	<2% of mass 69	0.6 (1.3)
127	40-60% of mass 198	51.5
197	<1% of mass 198	0.4
199	5-9% of mass 198	6.9
275	10-30% of mass 198	28.6
365	>1% of mass 198	4.1
441	Present but less than mass 443	14.0 (79.3)
442	>40% of mass 198	88.7
443	17-23% of mass 442	17.6 (19.9)

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150805-30411.b\4901.D\8270_5R.rslt\spectra.d
Injection Date: 05-Aug-2015 07:17:30
Spectrum: Tune Spec :Average 469-471(5.85-5.86) Bgrd 464(5.82)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 250

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	208	117.00	10397	188.00	415	270.00	108
37.00	295	118.00	901	189.00	756	271.00	126
38.00	827	120.00	118	191.00	457	272.00	182
39.00	3262	122.00	1281	192.00	1511	273.00	2010
40.00	213	123.00	1758	193.00	1510	274.00	4995
43.00	166	124.00	900	195.00	160	275.00	29824
44.00	342	125.00	571	196.00	3437	276.00	4561
49.00	656	127.00	53664	197.00	393	277.00	2633
50.00	12805	128.00	3697	198.00	104168	278.00	618
51.00	44632	129.00	21704	199.00	7167	279.00	135
52.00	2545	130.00	1879	200.00	618	283.00	211
53.00	148	131.00	335	201.00	280	284.00	424
55.00	294	132.00	388	202.00	125	285.00	613
56.00	919	133.00	221	203.00	861	293.00	638
57.00	3729	134.00	719	204.00	4349	295.00	377
60.00	284	135.00	1648	205.00	7171	296.00	8216
61.00	460	136.00	651	206.00	27080	297.00	1034
62.00	606	137.00	935	207.00	3188	302.00	286
63.00	1867	138.00	268	208.00	922	303.00	865
65.00	1039	140.00	112	209.00	551	304.00	117
68.00	319	141.00	2368	210.00	669	310.00	106
69.00	50600	142.00	816	211.00	1224	314.00	327
70.00	645	143.00	653	215.00	242	315.00	1021
71.00	260	144.00	188	216.00	738	316.00	691
73.00	556	146.00	564	217.00	6771	321.00	264
74.00	5268	147.00	1354	218.00	810	322.00	166
75.00	7858	148.00	2719	219.00	118	323.00	2622
76.00	3219	149.00	801	221.00	6008	324.00	662
77.00	54040	150.00	122	222.00	613	327.00	542
78.00	3457	151.00	403	223.00	1685	328.00	117
79.00	3911	152.00	101	224.00	15330	332.00	204
80.00	2552	153.00	974	225.00	4126	333.00	171
81.00	4240	154.00	938	226.00	288	334.00	2058

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150805-30411.b\4901.D\8270_5R.rslt\spectra.d

Injection Date: 05-Aug-2015 07:17:30

Spectrum: Tune Spec :Average 469-471(5.85-5.86) Bgrd 464(5.82)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 250

m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	1257	155.00	1539	227.00	6381	335.00	701
83.00	727	156.00	2355	228.00	867	341.00	431
85.00	1128	157.00	721	229.00	1317	346.00	598
86.00	940	158.00	260	230.00	121	347.00	143
87.00	737	159.00	351	231.00	529	352.00	898
88.00	224	160.00	947	232.00	175	353.00	463
89.00	117	161.00	1621	234.00	299	354.00	676
91.00	1252	162.00	491	235.00	522	365.00	4263
92.00	840	165.00	1043	236.00	183	366.00	560
93.00	5659	166.00	407	237.00	528	370.00	100
94.00	635	167.00	4888	239.00	376	371.00	312
95.00	46	168.00	1825	240.00	105	372.00	1439
96.00	538	169.00	742	241.00	314	373.00	749
97.00	363	170.00	211	242.00	907	383.00	300
98.00	4456	171.00	226	243.00	1043	391.00	102
99.00	3297	172.00	407	244.00	12849	401.00	104
100.00	494	173.00	969	245.00	1555	402.00	788
101.00	1965	174.00	1285	246.00	2577	403.00	994
103.00	802	175.00	1681	247.00	439	404.00	274
104.00	1148	176.00	802	248.00	146	421.00	968
105.00	1476	177.00	666	249.00	441	422.00	713
106.00	497	178.00	614	254.00	189	423.00	5548
107.00	15203	179.00	4018	255.00	60624	424.00	1236
108.00	2796	180.00	2185	256.00	8455	425.00	112
109.00	414	181.00	1044	257.00	575	441.00	14565
110.00	27656	182.00	298	258.00	3902	442.00	92368
111.00	4193	184.00	289	259.00	705	443.00	18376
112.00	836	185.00	2178	265.00	1707	444.00	1855
113.00	317	186.00	14251	266.00	43		
116.00	918	187.00	4181	268.00	162		

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150805-30411.b\4901.D
Injection Date: 05-Aug-2015 07:17:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

127 4,4'-DDT, Detector: MS SCAN

SW-846 Method

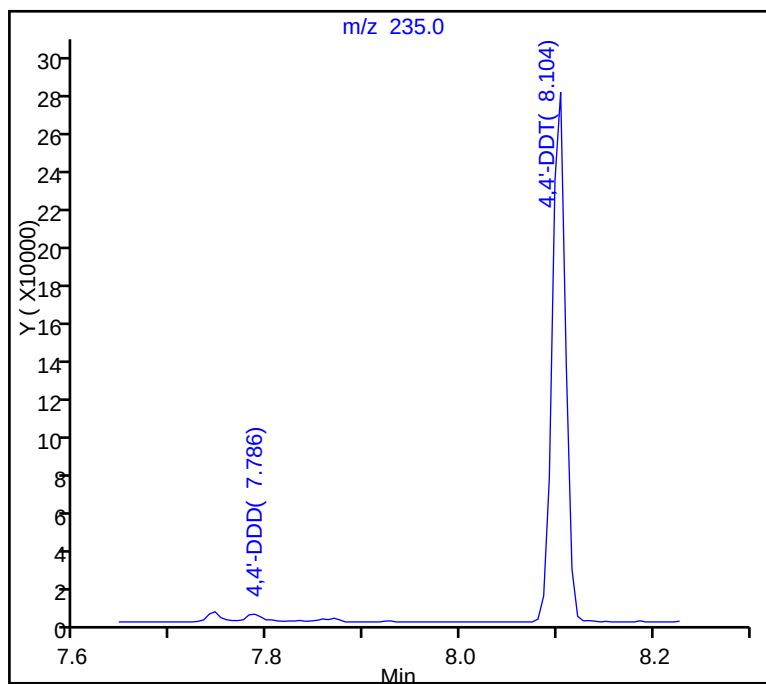
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 269250

126 4,4'-DDD, Area = 5434

125 4,4'-DDE, Area = 0

%Breakdown: 1.98%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150805-30411.b\4901.D
Injection Date: 05-Aug-2015 07:17:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R

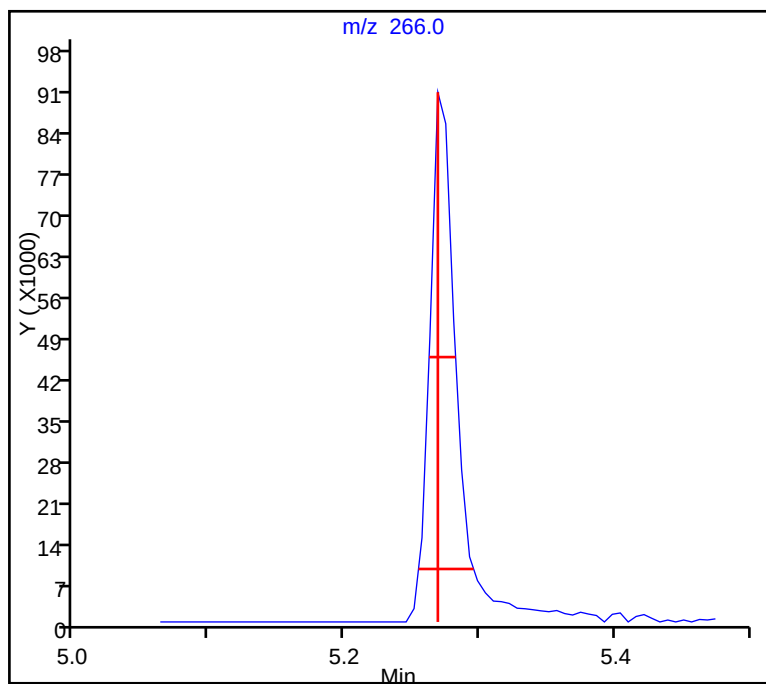
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

30 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.027 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 1.8, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150805-30411.b\4901.D
Injection Date: 05-Aug-2015 07:17:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

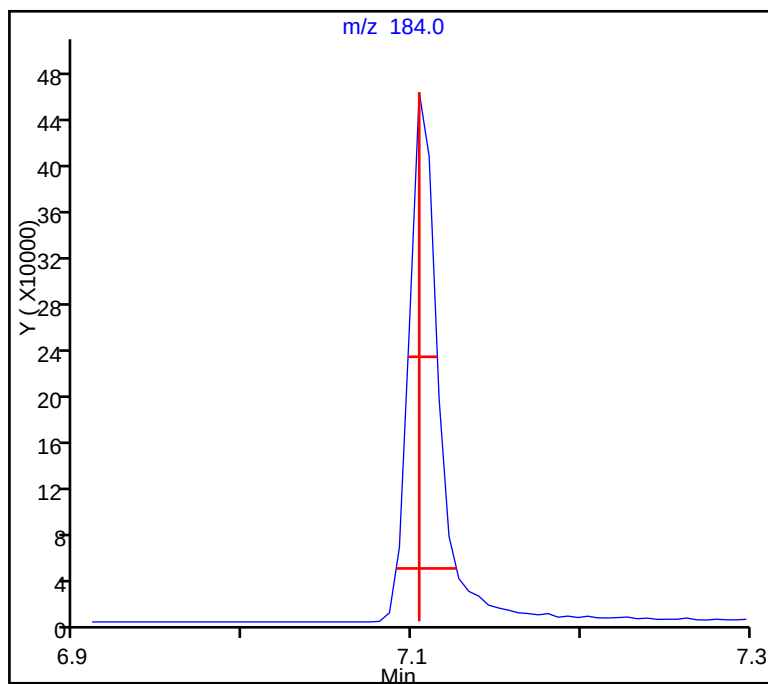
55 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.022 (min.)

Front Width = 0.014 (min.)

Tailing Factor = 1.6, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150822-31004.b\5555.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 22-Aug-2015 08:07:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031004-001
 Misc. Info.: 25 ppm bna 5100
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20150822-31004.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 22-Aug-2015 16:54:48 Calib Date: 05-Aug-2015 13:32:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20150805-30411.b\4917.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK016

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
30 Pentachlorophenol_T	266	4.951	4.951	0.000	91	99336	NC	NC	
55 Benzidine_T	184	6.781	6.781	0.000	99	717242	NC	NC	
124 DFTPP									
126 4,4'-DDD	235	7.451	7.451	0.000	93	4822		NR	
127 4,4'-DDT	235	7.769	7.769	0.000	97	347229	NR	NR	
125 4,4'-DDE	246	7.769	7.769	0.000	54	23492		NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Reagents:

SMDFTP_CH_00011

Amount Added: 1.00

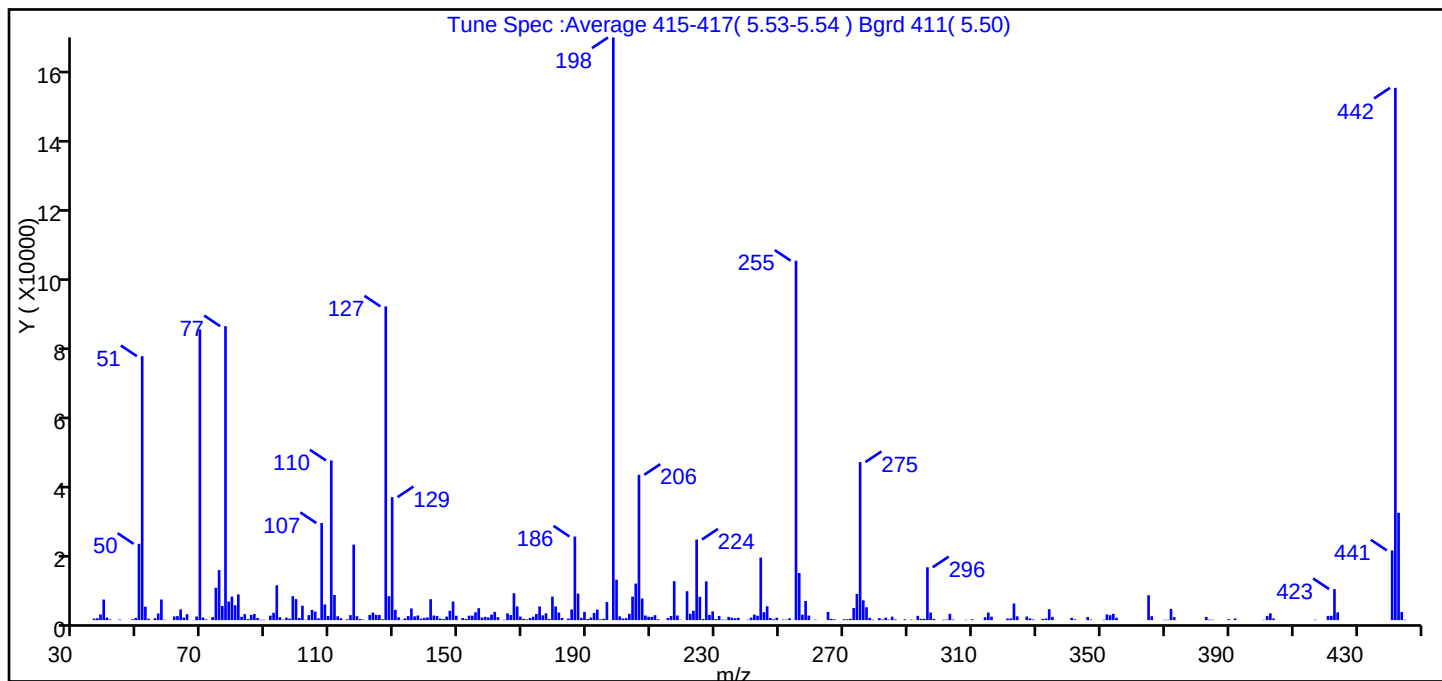
Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150822-31004.b\5555.D
Injection Date: 22-Aug-2015 08:07:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R
Tune Method: DFTPP Method 8270

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	45.3
68	<2% of mass 69	0.6 (1.2)
69	Present	49.9
70	<2% of mass 69	0.5 (0.9)
127	40-60% of mass 198	53.8
197	<1% of mass 198	0.0
199	5-9% of mass 198	6.9
275	10-30% of mass 198	27.1
365	>1% of mass 198	4.3
441	Present but less than mass 443	12.0 (64.9)
442	>40% of mass 198	91.4
443	17-23% of mass 442	18.4 (20.2)

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150822-31004.b\5555.D\8270_5R.rslt\spectra.d
Injection Date: 22-Aug-2015 08:07:30
Spectrum: Tune Spec :Average 415-417(5.53-5.54) Bgrd 411(5.50)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 282

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	451	119.00	337	194.00	226	279.00	130
37.00	521	120.00	150	195.00	392	281.00	569
38.00	1584	122.00	1456	196.00	5038	282.00	186
39.00	5731	123.00	2097	198.00	162176	283.00	685
40.00	724	124.00	1490	199.00	11255	284.00	144
41.00	184	125.00	1454	200.00	1063	285.00	971
44.00	175	126.00	249	201.00	455	286.00	207
48.00	244	127.00	87320	202.00	538	289.00	222
49.00	610	128.00	6658	203.00	1774	291.00	156
50.00	21232	129.00	34232	204.00	6552	293.00	1211
51.00	73472	130.00	2877	205.00	10179	294.00	364
52.00	3761	131.00	790	206.00	40456	295.00	378
53.00	390	132.00	103	207.00	6022	296.00	14720
55.00	537	133.00	493	208.00	1288	297.00	2114
56.00	1852	134.00	1134	209.00	939	298.00	344
57.00	5743	135.00	3252	210.00	925	301.00	125
58.00	106	136.00	1053	211.00	1382	302.00	139
61.00	1044	137.00	1295	212.00	267	303.00	1764
62.00	1128	138.00	418	215.00	580	304.00	171
63.00	3014	139.00	639	216.00	1168	308.00	116
64.00	729	140.00	742	217.00	10854	310.00	226
65.00	1659	141.00	5834	218.00	1288	314.00	796
67.00	48	142.00	1286	219.00	106	315.00	2104
68.00	1008	143.00	1134	221.00	8060	316.00	972
69.00	80912	144.00	449	222.00	1773	321.00	455
70.00	737	145.00	298	223.00	2619	322.00	458
71.00	187	146.00	988	224.00	22440	323.00	4627
73.00	849	147.00	2617	225.00	6488	324.00	1057
74.00	9033	148.00	5189	226.00	333	327.00	1014
75.00	13930	149.00	1218	227.00	10780	328.00	479
76.00	3957	151.00	576	228.00	1459	329.00	196
77.00	81816	152.00	350	229.00	2438	332.00	345
78.00	5188	153.00	1248	230.00	297	333.00	446

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150822-31004.b\5555.D\8270_5R.rslt\spectra.d

Injection Date: 22-Aug-2015 08:07:30

Spectrum: Tune Spec :Average 415-417(5.53-5.54) Bgrd 411(5.50)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 282

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	6563	154.00	1254	231.00	1167	334.00	3047
80.00	4152	155.00	2189	232.00	159	335.00	904
81.00	7161	156.00	3318	233.00	103	341.00	652
82.00	928	157.00	714	234.00	906	342.00	230
83.00	1676	158.00	919	235.00	673	346.00	878
84.00	312	159.00	754	236.00	514	347.00	171
85.00	1465	160.00	1536	237.00	653	351.00	122
86.00	1710	161.00	2295	240.00	120	352.00	1595
87.00	579	162.00	835	241.00	696	353.00	1384
88.00	126	164.00	123	242.00	1549	354.00	1774
89.00	121	165.00	1886	243.00	1229	355.00	665
91.00	1251	166.00	1427	244.00	17416	365.00	6939
92.00	2050	167.00	7484	245.00	2221	366.00	1095
93.00	9711	168.00	3828	246.00	3864	370.00	106
94.00	819	169.00	1005	247.00	615	371.00	105
95.00	141	170.00	362	248.00	230	372.00	3129
96.00	712	171.00	221	249.00	691	373.00	846
97.00	425	172.00	601	251.00	138	383.00	869
98.00	6674	173.00	961	252.00	143	384.00	140
99.00	5852	174.00	1709	253.00	505	385.00	113
100.00	605	175.00	3811	255.00	100048	390.00	281
101.00	4013	176.00	1340	256.00	13118	392.00	466
102.00	112	177.00	1901	257.00	1522	401.00	113
103.00	1398	178.00	340	258.00	5332	402.00	1137
104.00	2854	179.00	6553	259.00	1268	403.00	1889
105.00	2385	180.00	3808	261.00	135	404.00	452
106.00	507	181.00	2121	265.00	2292	417.00	128
107.00	27024	182.00	609	266.00	360	421.00	1185
108.00	4375	184.00	438	267.00	214	422.00	1207
109.00	1171	185.00	2974	270.00	264	423.00	8641
110.00	44448	186.00	23272	271.00	246	424.00	2150
111.00	7009	187.00	7410	272.00	371	441.00	19408
112.00	1079	188.00	640	273.00	3396	442.00	148160
113.00	549	189.00	2306	274.00	7305	443.00	29888

Report Date: 22-Aug-2015 16:54:49

Chrom Revision: 2.2 23-Jul-2015 08:26:08

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150822-31004.b\5555.D\8270_5R.rslt\spectra.d

Injection Date: 22-Aug-2015 08:07:30

Spectrum: Tune Spec :Average 415-417(5.53-5.54) Bgrd 411(5.50)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 282

m/z	Y	m/z	Y	m/z	Y	m/z	Y
115.00	240	190.00	332	275.00	43992	444.00	2283
116.00	1396	191.00	722	276.00	5520	445.00	112
117.00	21024	192.00	1995	277.00	3584		
118.00	1107	193.00	2930	278.00	632		

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150822-31004.b\x5555.D
Injection Date: 22-Aug-2015 08:07:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

127 4,4'-DDT, Detector: MS SCAN

SW-846 Method

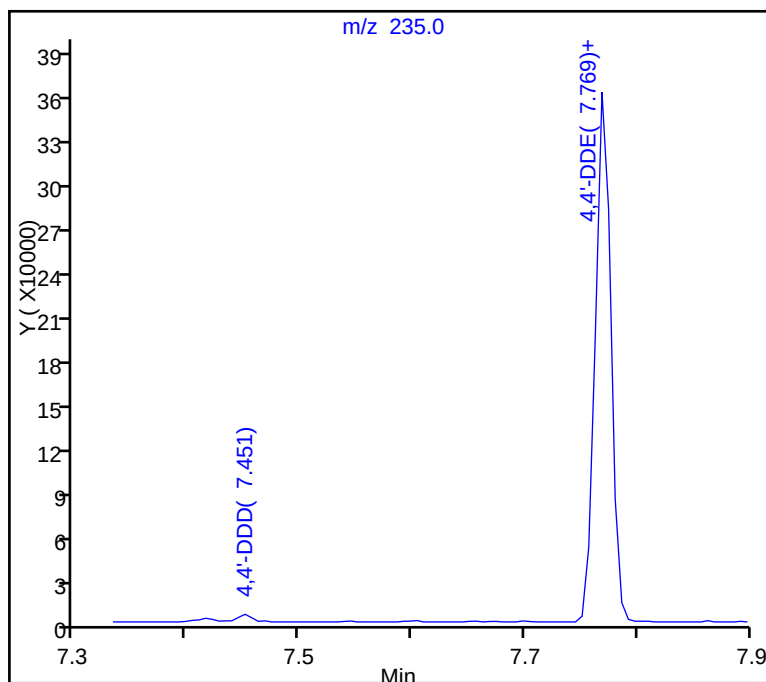
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 347229

126 4,4'-DDD, Area = 4822

125 4,4'-DDE, Area = 23492

%Breakdown: 7.54%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150822-31004.b\5555.D
Injection Date: 22-Aug-2015 08:07:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R

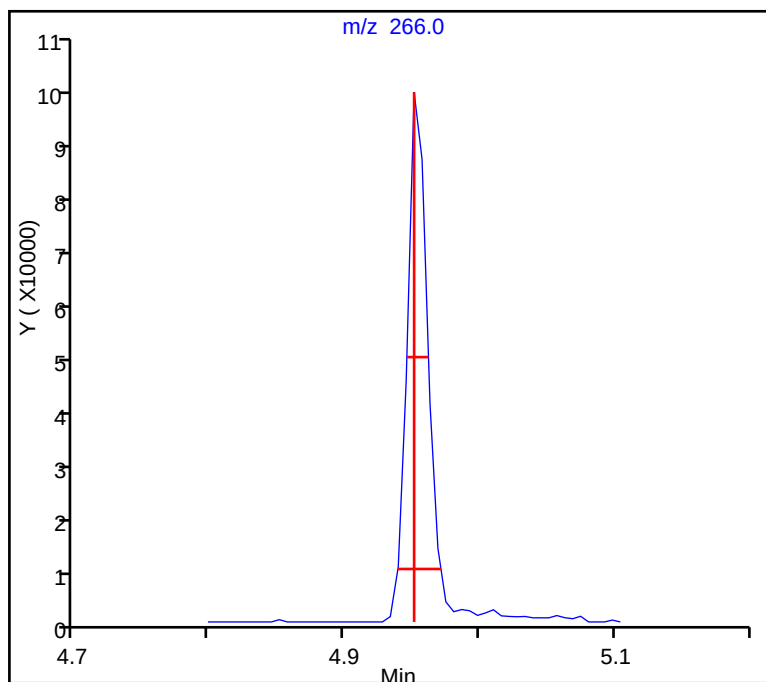
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

30 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.020 (min.)
Front Width = 0.012 (min.)

Tailing Factor = 1.7, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150822-31004.b\5555.D

Injection Date: 22-Aug-2015 08:07:30

Instrument ID: CBNAMS5

Lims ID: dftpp

Client ID:

Operator ID:

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

55 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =

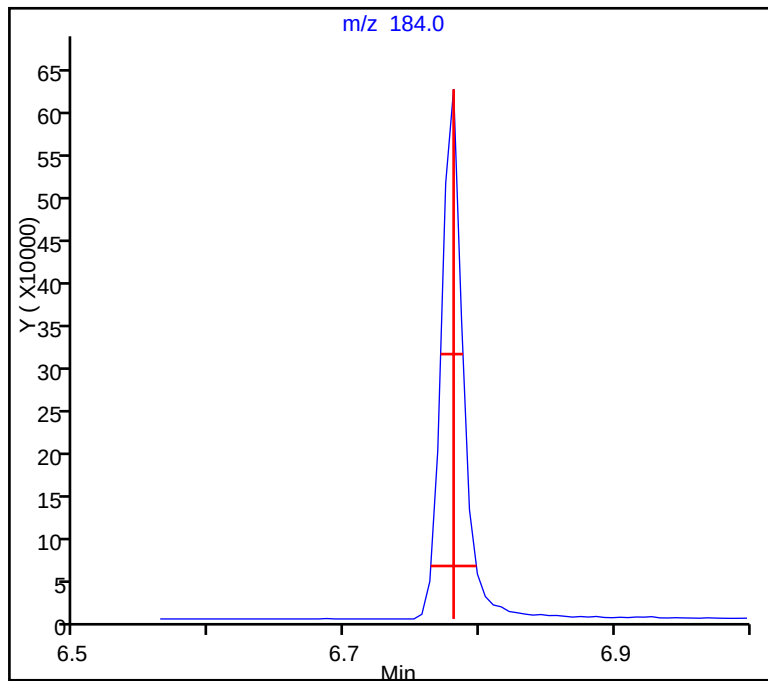
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)

Front Width = 0.017 (min.)

Tailing Factor = 1.0, Max. Tailing < 2.00

Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 460-318152/1-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x5559.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3546</u>	Date Extracted: <u>08/21/2015 19:43</u>
Sample wt/vol: <u>15.0000 (g)</u>	Date Analyzed: <u>08/22/2015 09:34</u>
Con. Extract Vol.: <u>1 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318191</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.0084	U	0.33	0.0084
91-57-6	2-Methylnaphthalene	0.0073	U	0.33	0.0073
208-96-8	Acenaphthylene	0.0085	U	0.33	0.0085
83-32-9	Acenaphthene	0.0080	U	0.33	0.0080
86-73-7	Fluorene	0.0072	U	0.33	0.0072
85-01-8	Phenanthrene	0.0088	U	0.33	0.0088
120-12-7	Anthracene	0.031	U	0.33	0.031
206-44-0	Fluoranthene	0.0098	U	0.33	0.0098
129-00-0	Pyrene	0.015	U	0.33	0.015
56-55-3	Benzo[a]anthracene	0.028	U	0.033	0.028
218-01-9	Chrysene	0.0090	U	0.33	0.0090
205-99-2	Benzo[b]fluoranthene	0.013	U	0.033	0.013
207-08-9	Benzo[k]fluoranthene	0.014	U	0.033	0.014
50-32-8	Benzo[a]pyrene	0.010	U	0.033	0.010
193-39-5	Indeno[1,2,3-cd]pyrene	0.022	U	0.033	0.022
53-70-3	Dibenz(a,h)anthracene	0.017	U	0.033	0.017
191-24-2	Benzo[g,h,i]perylene	0.019	U	0.33	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	69		30-130
1718-51-0	Terphenyl-d14	75		30-130
321-60-8	2-Fluorobiphenyl	66		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150822-31004.b\5559.D
 Lims ID: MB 460-318152/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 22-Aug-2015 09:34:30 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031004-005
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20150822-31004.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Aug-2015 09:38:55 Calib Date: 05-Aug-2015 13:32:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20150805-30411.b\4917.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: szczecha

Date: 24-Aug-2015 09:38:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	2.980	2.950	0.030	95	647395	50.0	34.1	
\$ 6 Phenol-d5	99	3.862	3.886	-0.024	88	751851	50.0	34.8	
* 14 1,4-Dichlorobenzene-d4	152	4.221	4.215	0.006	97	628614	40.0	40.0	
\$ 26 Nitrobenzene-d5	82	4.774	4.786	-0.012	89	750993	50.0	34.3	
* 38 Naphthalene-d8	136	5.497	5.497	0.000	99	2466796	40.0	40.0	
\$ 51 2-Fluorobiphenyl	172	6.585	6.586	-0.001	98	1408385	50.0	33.0	
63 2-Naphthylamine	143	7.250	7.228	0.022	41	349		NC	
62 1-Naphthylamine	143	7.250	7.228	0.022	42	349		NC	
* 65 Acenaphthene-d10	164	7.250	7.250	0.000	93	1255241	40.0	40.0	
\$ 80 2,4,6-Tribromophenol	330	8.027	8.033	-0.006	94	176506	50.0	38.7	
* 88 Phenanthrene-d10	188	8.709	8.709	0.000	99	1690293	40.0	40.0	
\$ 96 Terphenyl-d14	244	10.285	10.279	0.006	99	938556	50.0	37.7	
* 102 Chrysene-d12	240	11.456	11.450	0.006	99	852086	40.0	40.0	
* 109 Perylene-d12	264	13.356	13.350	0.006	98	568508	40.0	40.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_ISTD_00091

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20150822-31004.b\\x5559.D

Injection Date: 22-Aug-2015 09:34:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: MB 460-318152/1-A

Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 ul

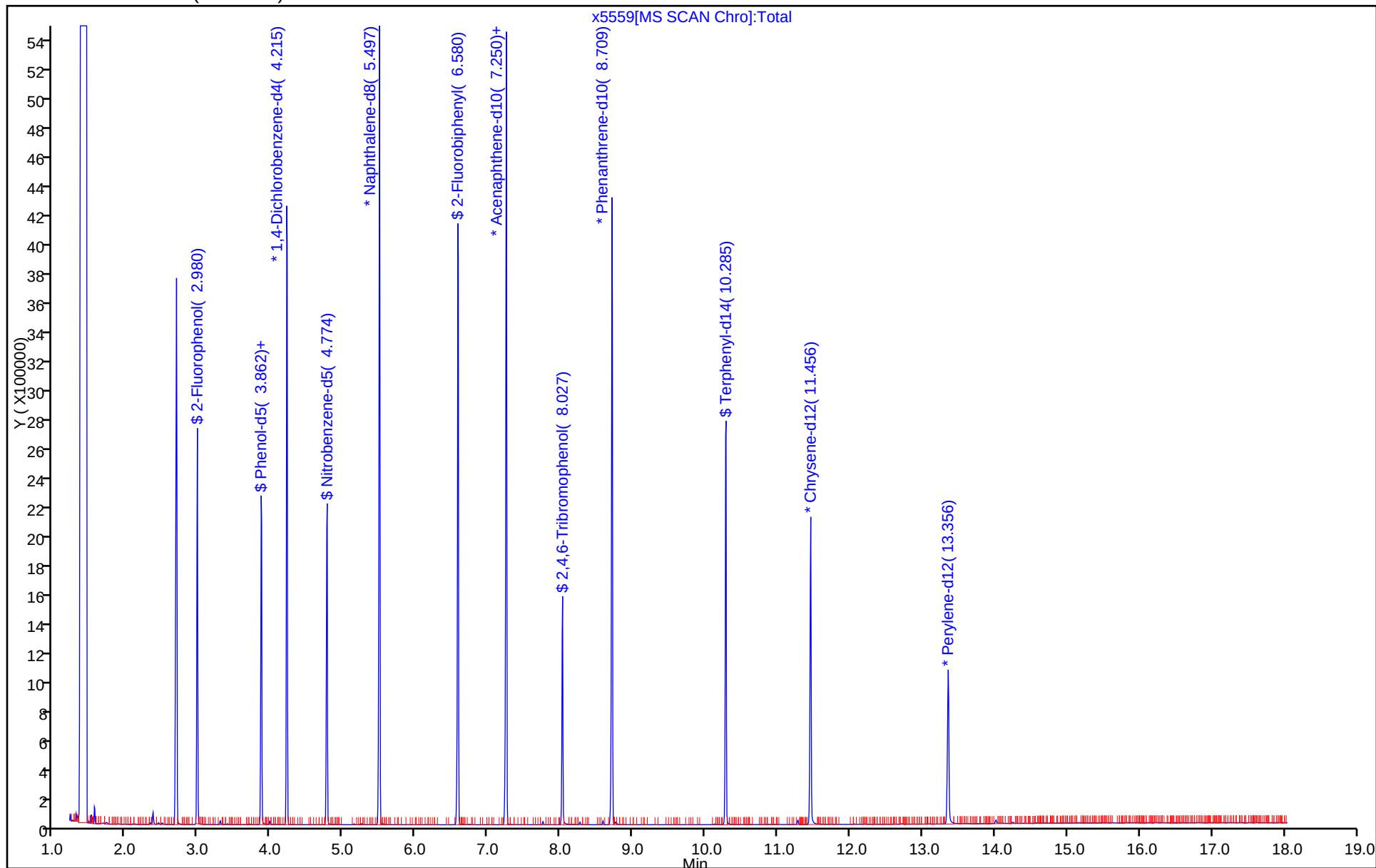
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 460-318158/1-A
 Matrix: Solid Lab File ID: z35686.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3546 Date Extracted: 08/21/2015 21:30
 Sample wt/vol: 15.0000 (g) Date Analyzed: 08/24/2015 11:25
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 318357 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.0084	U	0.33	0.0084
91-57-6	2-Methylnaphthalene	0.0073	U	0.33	0.0073
208-96-8	Acenaphthylene	0.0085	U	0.33	0.0085
83-32-9	Acenaphthene	0.0080	U	0.33	0.0080
86-73-7	Fluorene	0.0072	U	0.33	0.0072
85-01-8	Phenanthrene	0.0088	U	0.33	0.0088
120-12-7	Anthracene	0.031	U	0.33	0.031
206-44-0	Fluoranthene	0.0098	U	0.33	0.0098
129-00-0	Pyrene	0.015	U	0.33	0.015
56-55-3	Benzo[a]anthracene	0.028	U	0.033	0.028
218-01-9	Chrysene	0.0090	U	0.33	0.0090
205-99-2	Benzo[b]fluoranthene	0.013	U	0.033	0.013
207-08-9	Benzo[k]fluoranthene	0.014	U	0.033	0.014
50-32-8	Benzo[a]pyrene	0.010	U	0.033	0.010
193-39-5	Indeno[1,2,3-cd]pyrene	0.022	U	0.033	0.022
53-70-3	Dibenz(a,h)anthracene	0.017	U	0.033	0.017
191-24-2	Benzo[g,h,i]perylene	0.019	U	0.33	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	75		30-130
1718-51-0	Terphenyl-d14	77		30-130
321-60-8	2-Fluorobiphenyl	78		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\z35686.D
 Lims ID: MB 460-318158/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 24-Aug-2015 11:25:30 ALS Bottle#: 18 Worklist Smp#: 18
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031030-018
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150824-31030.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 24-Aug-2015 16:14:40 Calib Date: 19-Aug-2015 18:18:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35546.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK033

First Level Reviewer: szczecha

Date: 24-Aug-2015 16:21:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.353	3.318	0.035	95	449828	50.0	32.8	
\$ 6 Phenol-d5	99	4.224	4.242	-0.018	86	518990	50.0	32.2	
* 14 1,4-Dichlorobenzene-d4	152	4.600	4.600	0.000	96	427698	40.0	40.0	
\$ 26 Nitrobenzene-d5	82	5.147	5.165	-0.018	91	473287	50.0	37.6	
* 38 Naphthalene-d8	136	5.877	5.883	-0.006	99	1424769	40.0	40.0	
\$ 51 2-Fluorobiphenyl	172	6.959	6.965	-0.006	98	863458	50.0	39.1	
* 65 Acenaphthene-d10	164	7.641	7.636	0.005	92	598121	40.0	40.0	
\$ 80 2,4,6-Tribromophenol	330	8.418	8.424	-0.006	94	57247	50.0	30.8	
* 87 Phenanthrene-d10	188	9.112	9.112	0.000	99	722572	40.0	40.0	
\$ 96 Terphenyl-d14	244	10.706	10.700	0.006	99	452455	50.0	38.3	
* 102 Chrysene-d12	240	11.959	11.947	0.012	99	392592	40.0	40.0	
* 109 Perylene-d12	264	13.953	13.941	0.012	98	354431	40.0	40.0	

Reagents:

SM_ISTD_00091

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150824-31030.b\\z35686.D

Injection Date: 24-Aug-2015 11:25:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: MB 460-318158/1-A

Worklist Smp#: 18

Client ID:

Injection Vol: 1.0 ul

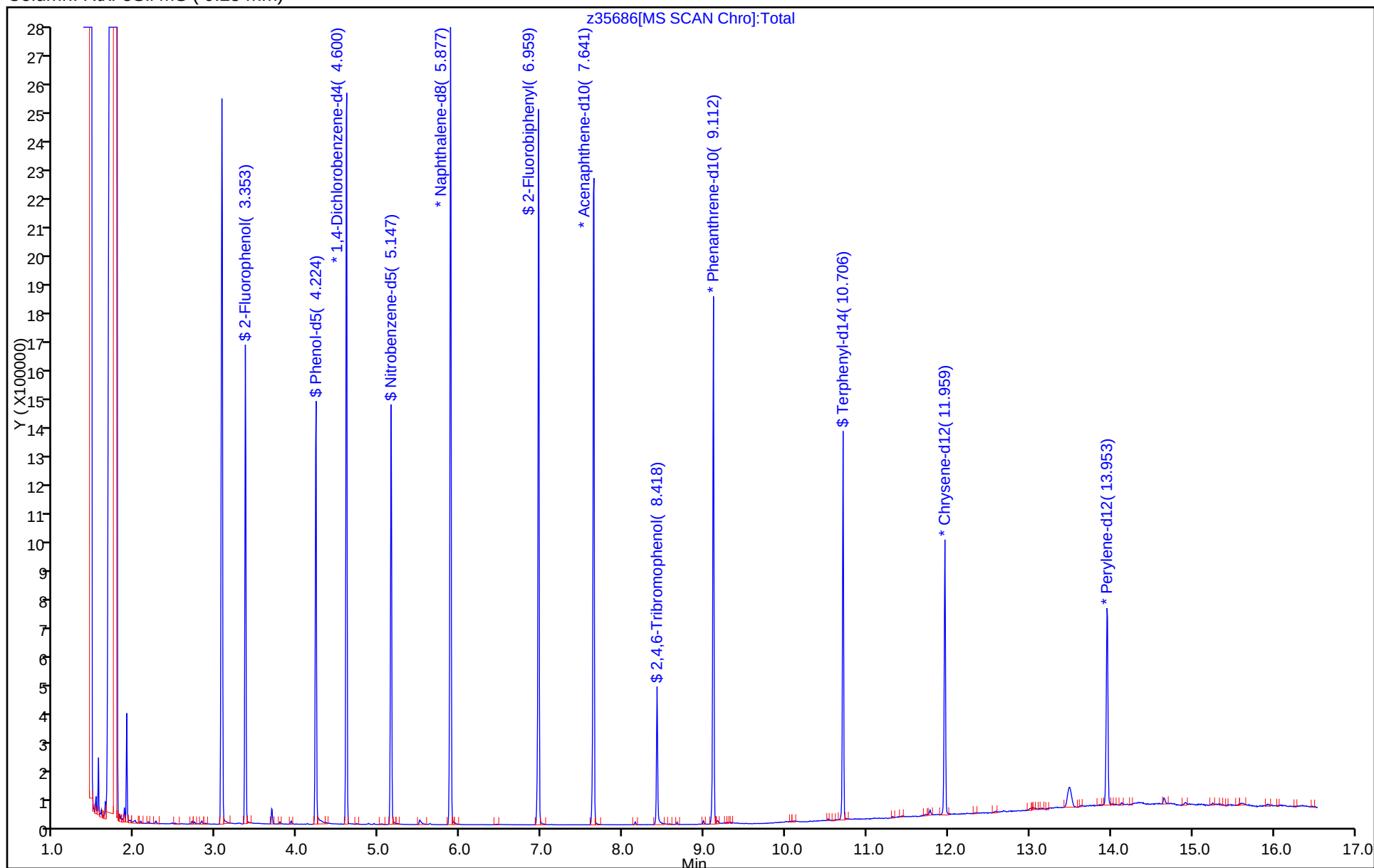
Dil. Factor: 1.0000

ALS Bottle#: 18

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 460-318152/2-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z35645.D</u>
Analysis Method: <u>8270D</u>	Date Collected: _____
Extract. Method: <u>3546</u>	Date Extracted: <u>08/21/2015 19:43</u>
Sample wt/vol: <u>15.0000 (g)</u>	Date Analyzed: <u>08/22/2015 10:41</u>
Con. Extract Vol.: <u>1 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318190</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	3.22		0.33	0.0084
91-57-6	2-Methylnaphthalene	3.46		0.33	0.0073
208-96-8	Acenaphthylene	3.26		0.33	0.0085
83-32-9	Acenaphthene	3.19		0.33	0.0080
86-73-7	Fluorene	3.41		0.33	0.0072
85-01-8	Phenanthrene	3.32		0.33	0.0088
120-12-7	Anthracene	3.31		0.33	0.031
206-44-0	Fluoranthene	3.59		0.33	0.0098
129-00-0	Pyrene	3.13		0.33	0.015
56-55-3	Benzo[a]anthracene	3.24		0.033	0.028
218-01-9	Chrysene	3.41		0.33	0.0090
205-99-2	Benzo[b]fluoranthene	3.57		0.033	0.013
207-08-9	Benzo[k]fluoranthene	3.42		0.033	0.014
50-32-8	Benzo[a]pyrene	3.45		0.033	0.010
193-39-5	Indeno[1,2,3-cd]pyrene	3.45		0.033	0.022
53-70-3	Dibenz(a,h)anthracene	3.41		0.033	0.017
191-24-2	Benzo[g,h,i]perylene	2.99		0.33	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	91		30-130
1718-51-0	Terphenyl-d14	101		30-130
321-60-8	2-Fluorobiphenyl	93		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35645.D

Lims ID: LCS 460-318152/2-A

Client ID:

Sample Type: LCS

Inject. Date: 22-Aug-2015 10:41:30

ALS Bottle#: 28

Worklist Smp#: 28

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Sample Info: 460-0031003-005

Operator ID:

Instrument ID: CBNAMS11

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\8270_11R_9.m

Limit Group: SV 8270D ICAL

Last Update: 24-Aug-2015 10:04:54

Calib Date: 19-Aug-2015 18:18:30

Integrator: RTE

ID Type: Deconvolution ID

Quant Method: Internal Standard

Quant By: Initial Calibration

Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35546.D

Column 1 : Rtxi-5Sil MS (0.25 mm)

Det: MS SCAN

Process Host: XAWRK033

First Level Reviewer: szczecha

Date: 24-Aug-2015 10:04:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.059	1.918	0.141	96	195454	50.0	30.0	
2 N-Nitrosodimethylamine	74	2.271	2.159	0.112	81	420436	50.0	44.7	
3 Pyridine	79	2.300	2.189	0.111	79	636031	50.0	40.6	
\$ 4 2-Fluorophenol	112	3.377	3.336	0.041	95	636441	50.0	44.4	
\$ 6 Phenol-d5	99	4.259	4.259	0.000	92	773827	50.0	46.0	
7 Phenol	94	4.271	4.277	-0.006	98	832687	50.0	47.4	
8 Aniline	93	4.294	4.295	0.000	99	885086	50.0	40.5	
9 Bis(2-chloroethyl)ether	93	4.353	4.353	0.000	94	714993	50.0	50.5	
10 Benzonitrile	103	4.389	4.389	0.000	0	1314135	NC	NC	
11 2-Chlorophenol	128	4.418	4.418	0.000	96	701341	50.0	47.7	
12 n-Decane	43	4.453	4.459	-0.006	94	917555	50.0	35.9	
13 1,3-Dichlorobenzene	146	4.565	4.571	-0.006	97	793549	50.0	46.5	
* 14 1,4-Dichlorobenzene-d4	152	4.618	4.612	0.006	95	446240	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.636	4.642	-0.006	95	806405	50.0	46.8	
16 Benzyl alcohol	108	4.759	4.765	-0.006	94	432107	50.0	48.9	
17 1,2-Dichlorobenzene	146	4.789	4.794	-0.005	97	758950	50.0	47.0	
18 2-Methylphenol	108	4.865	4.871	-0.006	92	600022	50.0	48.3	
19 2,2'-oxybis[1-chloropropan	45	4.883	4.889	-0.006	94	1238262	50.0	41.9	
20 N-Methylaniline	106	5.012	5.012	-0.006	0	1014009	NC	NC	
21 N-Nitrosodi-n-propylamine	70	5.030	5.036	-0.006	91	466297	50.0	49.2	
24 4-Methylphenol	108	5.030	5.036	-0.006	76	652353	50.0	48.7	
22 Acetophenone	105	5.024	5.036	-0.012	96	829105	50.0	49.3	
23 3 & 4 Methylphenol	108	5.030	5.036	-0.006	79	652353	50.0	48.7	
25 Hexachloroethane	117	5.124	5.136	-0.012	95	281652	50.0	45.9	
\$ 26 Nitrobenzene-d5	82	5.177	5.183	-0.006	90	649466	50.0	45.3	
27 Nitrobenzene	77	5.200	5.206	-0.006	89	892679	50.0	45.5	
28 n,n'-Dimethylaniline	120	5.200	5.206	-0.006	89	1067167	50.0	50.3	
31 Isophorone	82	5.447	5.453	-0.006	98	1187771	50.0	51.0	
32 2-Nitrophenol	139	5.512	5.518	-0.006	93	385509	50.0	52.0	
33 2,4-Dimethylphenol	122	5.559	5.565	-0.006	93	564886	50.0	46.2	
34 Bis(2-chloroethoxy)methane	93	5.647	5.653	-0.006	98	747612	50.0	49.1	
35 Benzoic acid	122	5.724	5.724	0.000	89	307532	50.0	52.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	5.759	5.765	-0.006	96	537077	50.0	47.4	
37 1,2,4-Trichlorobenzene	180	5.841	5.847	-0.006	94	627873	50.0	50.2	
* 38 Naphthalene-d8	136	5.900	5.894	0.006	99	1622787	40.0	40.0	
39 Naphthalene	128	5.924	5.930	-0.006	99	1938834	50.0	48.2	
40 4-Chloroaniline	127	5.977	5.983	-0.006	97	565955	50.0	35.8	
41 Hexachlorobutadiene	225	6.053	6.053	0.000	97	318387	50.0	49.9	
43 4-Chloro-3-methylphenol	107	6.465	6.459	0.006	96	486379	50.0	50.3	
44 2-Methylnaphthalene	142	6.618	6.618	0.000	87	1373813	50.0	51.9	
45 1-Methylnaphthalene	142	6.718	6.718	0.000	94	1185041	50.0	52.3	
46 Hexachlorocyclopentadiene	237	6.783	6.788	-0.006	97	380064	50.0	49.3	
47 1,2,4,5-Tetrachlorobenzene	216	6.794	6.794	0.000	98	573082	50.0	48.3	
48 2-tertbutyl-4-methylphenol	149	6.812	6.812	0.000	94	882066	50.0	51.2	
49 2,4,6-Trichlorophenol	196	6.906	6.900	0.006	92	382839	50.0	52.4	
50 2,4,5-Trichlorophenol	196	6.941	6.941	0.000	98	386146	50.0	50.2	
\$ 51 2-Fluorobiphenyl	172	6.983	6.983	-0.001	98	1375890	50.0	46.7	
52 1,1'-Biphenyl	154	7.088	7.088	0.000	94	1548526	50.0	47.0	
53 2-Chloronaphthalene	162	7.112	7.112	0.000	98	1161293	50.0	47.5	
54 Phenyl ether	170	7.188	7.188	0.000	87	817153	50.0	47.5	
55 2-Nitroaniline	65	7.212	7.206	0.006	96	359777	50.0	47.3	
57 1,3-Dimethylnaphthalene	156	7.324	7.324	0.000	94	1019222	50.0	47.9	
58 Dimethyl phthalate	163	7.394	7.394	0.000	99	1144714	50.0	52.0	
59 Coumarin	146	7.424	7.424	0.000	83	400014	50.0	61.8	
60 2,6-Dinitrotoluene	165	7.453	7.453	0.000	95	277475	50.0	54.5	
63 Acenaphthylene	152	7.524	7.524	0.000	98	1806548	50.0	49.0	
64 3-Nitroaniline	138	7.618	7.618	0.000	97	204782	50.0	38.8	
* 65 Acenaphthene-d10	164	7.665	7.659	0.006	93	797877	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.677	7.677	0.000	98	1095006	50.0	49.6	
67 Acenaphthene	154	7.700	7.700	0.000	94	1143615	50.0	47.9	
68 2,4-Dinitrophenol	184	7.724	7.724	0.000	95	322294	100.0	150.5	
69 4-Nitrophenol	65	7.794	7.788	0.006	89	338886	100.0	101.4	
70 2,4-Dinitrotoluene	165	7.853	7.853	0.000	98	338158	50.0	59.0	
71 Dibenzofuran	168	7.871	7.871	0.000	97	1531591	50.0	49.3	
72 2,3,4,6-Tetrachlorophenol	232	7.988	7.988	0.000	94	267870	50.0	58.8	
73 Diethyl phthalate	149	8.094	8.088	0.006	99	1054286	50.0	53.4	
75 4-Chlorophenyl phenyl ethe	204	8.200	8.200	0.000	89	562619	50.0	52.2	
74 Fluorene	166	8.212	8.206	0.006	97	1221388	50.0	51.2	
76 4-Nitroaniline	138	8.241	8.235	0.006	89	240016	50.0	53.2	
77 4,6-Dinitro-2-methylphenol	198	8.265	8.265	0.000	90	383212	100.0	130.3	
79 1,2-Diphenylhydrazine	77	8.359	8.359	0.000	97	1063027	50.0	43.7	
\$ 80 2,4,6-Tribromophenol	330	8.447	8.447	0.000	95	145111	50.0	58.5	
81 4-Bromophenyl phenyl ether	248	8.688	8.682	0.006	93	304582	50.0	51.3	
82 Hexachlorobenzene	284	8.765	8.765	0.000	98	317710	50.0	52.4	
84 Pentachlorophenol	266	8.953	8.953	0.000	94	363493	100.0	125.8	
85 Pentachloronitrobenzene	237	8.971	8.971	0.000	88	115244	50.0	54.3	
86 n-Octadecane	57	9.012	9.012	0.000	92	967947	50.0	42.0	
* 87 Phenanthrene-d10	188	9.141	9.129	0.012	99	1067182	40.0	40.0	
88 Phenanthrene	178	9.165	9.165	0.000	97	1527912	50.0	49.7	
89 Anthracene	178	9.212	9.212	0.000	99	1537434	50.0	49.7	
90 Carbazole	167	9.365	9.365	0.000	95	1263719	50.0	50.3	
91 Di-n-butyl phthalate	149	9.694	9.694	0.000	100	1528214	50.0	54.0	
92 Fluoranthene	202	10.341	10.341	0.000	98	1275013	50.0	53.9	
93 Benzidine	184	10.465	10.465	0.000	100	427442	50.0	37.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
94 Pyrene	202	10.582	10.576	0.006	98	1269486	50.0	47.0	
95 Bisphenol-A	213	10.612	10.606	0.006	99	183619	25.0	24.7	
\$ 96 Terphenyl-d14	244	10.729	10.729	0.000	99	834481	50.0	50.7	
97 Butyl benzyl phthalate	149	11.276	11.271	0.005	96	473164	50.0	50.4	
99 Carbamazepine	193	11.418	11.412	0.006	93	310082	50.0	54.8	
100 3,3'-Dichlorobenzidine	252	11.935	11.935	0.000	100	140130	50.0	27.8	
101 Benzo[a]anthracene	228	11.976	11.976	0.000	99	795845	50.0	48.6	
* 102 Chrysene-d12	240	11.994	11.982	0.012	99	546696	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.994	11.994	0.000	92	646388	50.0	52.8	
103 Chrysene	228	12.029	12.023	0.006	99	747555	50.0	51.1	
105 Di-n-octyl phthalate	149	12.888	12.888	0.000	98	902972	50.0	56.4	
106 Benzo[b]fluoranthene	252	13.447	13.447	0.000	99	578131	50.0	53.6	
107 Benzo[k]fluoranthene	252	13.482	13.482	0.000	99	552898	50.0	51.3	
108 Benzo[a]pyrene	252	13.906	13.906	0.000	97	493205	50.0	51.7	
* 109 Perylene-d12	264	13.988	13.982	0.006	97	357909	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.641	15.647	-0.006	99	377130	50.0	51.8	
111 Dibenz(a,h)anthracene	278	15.682	15.676	0.006	96	377564	50.0	51.1	
112 Benzo[g,h,i]perylene	276	16.117	16.117	0.000	97	354570	50.0	44.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_ISTD_00091

Amount Added: 20.00

Units: uL

Run Reagent

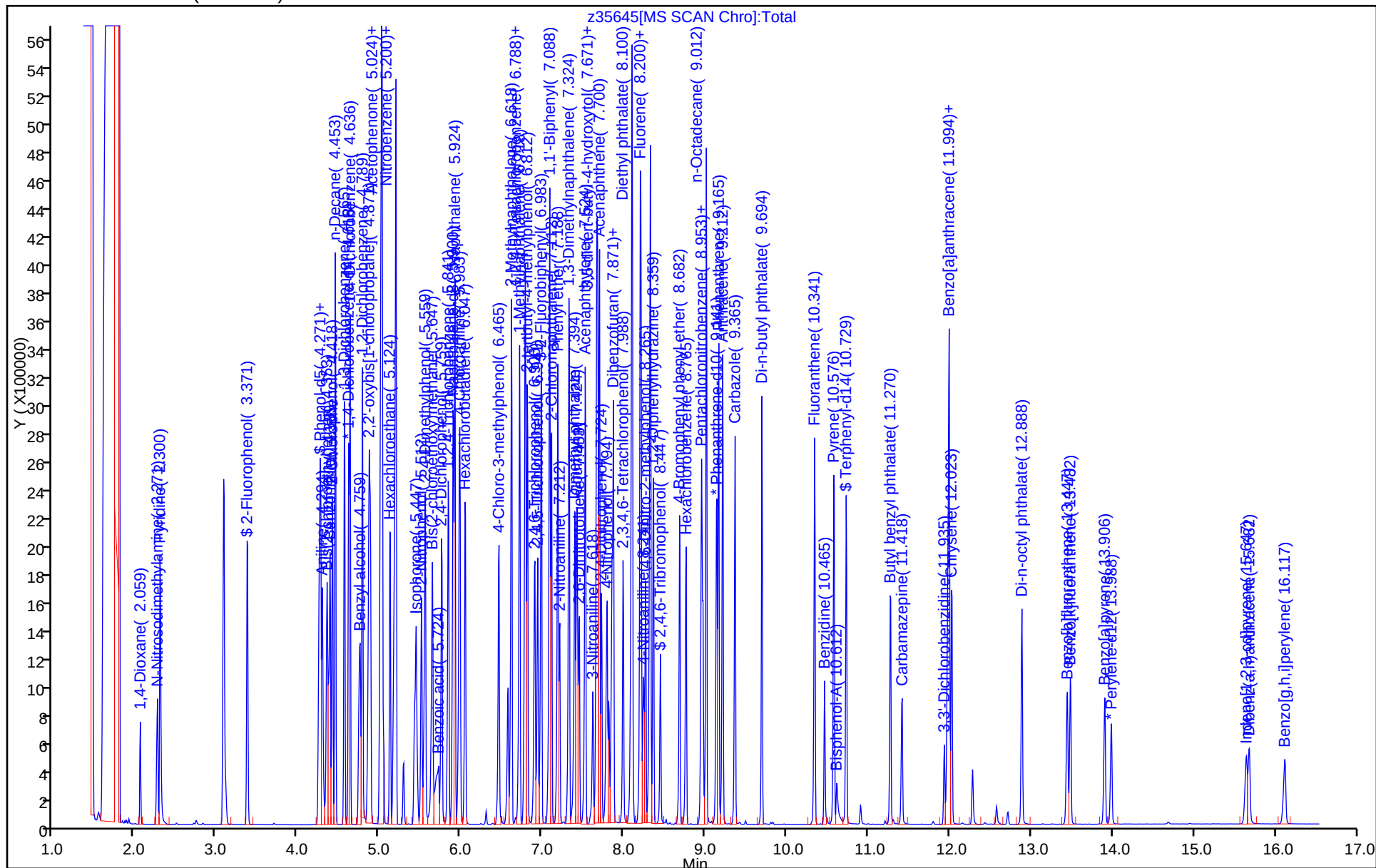
Chrom Revision: 2.2 23-Jul-2015 08:26:08

TestAmerica Edison

Data File:	\\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35645.D		
Injection Date:	22-Aug-2015 10:41:30	Instrument ID:	CBNAMS11
Lims ID:	LCS 460-318152/2-A		
Client ID:			
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL
Column:	Rtxi-5Sil MS (0.25 mm)		

Operator ID:
Worklist Smp#: 28

ALS Bottle#: 28



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-318158/2-A
 Matrix: Solid Lab File ID: z35643.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3546 Date Extracted: 08/21/2015 21:30
 Sample wt/vol: 15.0000 (g) Date Analyzed: 08/22/2015 09:55
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) Level: (low/med) Low
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 318190 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	3.21		0.33	0.0084
91-57-6	2-Methylnaphthalene	3.39		0.33	0.0073
208-96-8	Acenaphthylene	3.28		0.33	0.0085
83-32-9	Acenaphthene	3.15		0.33	0.0080
86-73-7	Fluorene	3.41		0.33	0.0072
85-01-8	Phenanthrene	3.31		0.33	0.0088
120-12-7	Anthracene	3.29		0.33	0.031
206-44-0	Fluoranthene	3.54		0.33	0.0098
129-00-0	Pyrene	3.08		0.33	0.015
56-55-3	Benzo[a]anthracene	3.25		0.033	0.028
218-01-9	Chrysene	3.40		0.33	0.0090
205-99-2	Benzo[b]fluoranthene	3.38		0.033	0.013
207-08-9	Benzo[k]fluoranthene	3.57		0.033	0.014
50-32-8	Benzo[a]pyrene	3.43		0.033	0.010
193-39-5	Indeno[1,2,3-cd]pyrene	3.61		0.033	0.022
53-70-3	Dibenz(a,h)anthracene	3.48		0.033	0.017
191-24-2	Benzo[g,h,i]perylene	3.11		0.33	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	91		30-130
1718-51-0	Terphenyl-d14	100		30-130
321-60-8	2-Fluorobiphenyl	94		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\z35643.D

Lims ID: LCS 460-318158/2-A

Client ID:

Sample Type: LCS

Inject. Date: 22-Aug-2015 09:55:30

ALS Bottle#:

5

Worklist Smp#:

5

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Sample Info: 460-0031003-005

Operator ID:

Instrument ID:

CBNAMS11

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150822-31003.b\8270_11R_9.m

Limit Group: SV 8270D ICAL

Last Update: 24-Aug-2015 10:03:30

Calib Date:

19-Aug-2015 18:18:30

Integrator: RTE

ID Type:

Deconvolution ID

Quant Method: Internal Standard

Quant By:

Initial Calibration

Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150819-30910.b\z35546.D

Column 1 : Rtxi-5Sil MS (0.25 mm)

Det: MS SCAN

Process Host: XAWRK033

First Level Reviewer: szczecha

Date:

24-Aug-2015 10:04:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	2.065	1.918	0.147	97	198939	50.0	30.4	
2 N-Nitrosodimethylamine	74	2.277	2.159	0.118	81	424659	50.0	45.0	
3 Pyridine	79	2.306	2.189	0.117	79	645989	50.0	41.1	
\$ 4 2-Fluorophenol	112	3.371	3.336	0.035	94	636894	50.0	44.3	
\$ 6 Phenol-d5	99	4.259	4.259	0.000	93	767798	50.0	45.5	
7 Phenol	94	4.271	4.277	-0.006	98	816422	50.0	46.3	
8 Aniline	93	4.295	4.295	0.001	99	906860	50.0	41.4	
9 Bis(2-chloroethyl)ether	93	4.353	4.353	0.000	94	716125	50.0	50.4	
10 Benzonitrile	103	4.389	4.389	0.000	0	1313417	NC	NC	
11 2-Chlorophenol	128	4.418	4.418	0.000	96	695047	50.0	47.1	
12 n-Decane	43	4.453	4.459	-0.006	94	922427	50.0	36.0	
13 1,3-Dichlorobenzene	146	4.565	4.571	-0.006	96	795868	50.0	46.4	
* 14 1,4-Dichlorobenzene-d4	152	4.618	4.612	0.006	95	447832	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.636	4.642	-0.006	95	805885	50.0	46.7	
16 Benzyl alcohol	108	4.753	4.765	-0.012	94	434859	50.0	49.1	
17 1,2-Dichlorobenzene	146	4.789	4.794	-0.005	97	759588	50.0	46.8	
18 2-Methylphenol	108	4.865	4.871	-0.006	93	591764	50.0	47.5	
19 2,2'-oxybis[1-chloropropan	45	4.883	4.889	-0.006	94	1237060	50.0	41.7	
20 N-Methylaniline	106	5.012	5.018	-0.006	0	1010721	NC	NC	
21 N-Nitrosodi-n-propylamine	70	5.030	5.036	-0.006	93	463282	50.0	48.7	
24 4-Methylphenol	108	5.030	5.036	-0.006	78	646936	50.0	48.2	
22 Acetophenone	105	5.024	5.036	-0.012	98	817981	50.0	48.5	
23 3 & 4 Methylphenol	108	5.030	5.036	-0.006	81	646936	50.0	48.2	
25 Hexachloroethane	117	5.124	5.136	-0.012	96	284688	50.0	46.2	
\$ 26 Nitrobenzene-d5	82	5.177	5.183	-0.006	91	647460	50.0	45.4	
27 Nitrobenzene	77	5.200	5.206	-0.006	88	885177	50.0	45.4	
28 n,n'-Dimethylaniline	120	5.200	5.206	-0.006	88	1056910	50.0	49.7	
31 Isophorone	82	5.447	5.453	-0.006	98	1168640	50.0	50.5	
32 2-Nitrophenol	139	5.512	5.518	-0.006	94	382775	50.0	52.0	
33 2,4-Dimethylphenol	122	5.559	5.565	-0.006	93	549499	50.0	45.3	
34 Bis(2-chloroethoxy)methane	93	5.647	5.653	-0.006	98	734040	50.0	48.5	
35 Benzoic acid	122	5.724	5.724	0.000	90	305800	50.0	52.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
36 2,4-Dichlorophenol	162	5.759	5.765	-0.006	96	525216	50.0	46.6	
37 1,2,4-Trichlorobenzene	180	5.842	5.847	-0.005	95	619364	50.0	49.9	
* 38 Naphthalene-d8	136	5.900	5.894	0.006	99	1611496	40.0	40.0	
39 Naphthalene	128	5.924	5.930	-0.006	99	1921438	50.0	48.1	
40 4-Chloroaniline	127	5.977	5.983	-0.006	97	557218	50.0	35.5	
41 Hexachlorobutadiene	225	6.047	6.053	-0.006	95	316436	50.0	49.9	
43 4-Chloro-3-methylphenol	107	6.459	6.459	0.000	97	470189	50.0	49.0	
44 2-Methylnaphthalene	142	6.618	6.618	0.000	86	1337851	50.0	50.9	
45 1-Methylnaphthalene	142	6.718	6.718	0.000	94	1161358	50.0	51.6	
46 Hexachlorocyclopentadiene	237	6.783	6.788	-0.005	97	376202	50.0	50.6	
47 1,2,4,5-Tetrachlorobenzene	216	6.794	6.794	0.000	98	562859	50.0	49.2	
48 2-tertbutyl-4-methylphenol	149	6.812	6.812	0.000	94	860762	50.0	50.3	
49 2,4,6-Trichlorophenol	196	6.900	6.900	0.000	91	369544	50.0	52.3	
50 2,4,5-Trichlorophenol	196	6.941	6.941	0.000	98	364385	50.0	49.1	
\$ 51 2-Fluorobiphenyl	172	6.983	6.983	0.000	98	1334582	50.0	46.9	
52 1,1'-Biphenyl	154	7.089	7.088	0.001	94	1515970	50.0	47.6	
53 2-Chloronaphthalene	162	7.112	7.112	0.000	98	1127668	50.0	47.7	
54 Phenyl ether	170	7.189	7.188	0.001	86	797621	50.0	48.0	
55 2-Nitroaniline	65	7.206	7.206	0.000	97	346407	50.0	47.1	
57 1,3-Dimethylnaphthalene	156	7.324	7.324	0.000	94	994144	50.0	48.4	
58 Dimethyl phthalate	163	7.394	7.394	0.000	99	1099633	50.0	51.7	
59 Coumarin	146	7.418	7.424	-0.006	83	383664	50.0	59.7	
60 2,6-Dinitrotoluene	165	7.447	7.453	-0.006	93	263797	50.0	53.7	
63 Acenaphthylene	152	7.524	7.524	0.000	98	1751750	50.0	49.2	
64 3-Nitroaniline	138	7.618	7.618	0.000	97	192240	50.0	37.7	
* 65 Acenaphthene-d10	164	7.665	7.659	0.006	92	770516	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.677	7.677	0.000	98	1066297	50.0	50.0	
67 Acenaphthene	154	7.700	7.700	0.000	93	1087453	50.0	47.2	
68 2,4-Dinitrophenol	184	7.724	7.724	0.000	95	305679	100.0	147.9	
69 4-Nitrophenol	65	7.788	7.788	0.000	88	323631	100.0	100.3	
70 2,4-Dinitrotoluene	165	7.853	7.853	0.000	98	319701	50.0	57.7	
71 Dibenzofuran	168	7.871	7.871	0.000	97	1491086	50.0	49.7	
72 2,3,4,6-Tetrachlorophenol	232	7.988	7.988	0.000	94	253620	50.0	57.6	
73 Diethyl phthalate	149	8.088	8.088	0.000	99	996634	50.0	52.3	
75 4-Chlorophenyl phenyl ethe	204	8.200	8.200	0.000	95	539832	50.0	51.9	
74 Fluorene	166	8.206	8.206	0.000	97	1178637	50.0	51.2	
76 4-Nitroaniline	138	8.236	8.235	0.001	91	227804	50.0	52.2	
77 4,6-Dinitro-2-methylphenol	198	8.265	8.265	0.000	89	358988	100.0	129.0	
79 1,2-Diphenylhydrazine	77	8.359	8.359	0.000	97	1022557	50.0	44.4	
\$ 80 2,4,6-Tribromophenol	330	8.447	8.447	0.000	95	139604	50.0	58.3	
81 4-Bromophenyl phenyl ether	248	8.683	8.682	0.001	89	291321	50.0	51.8	
82 Hexachlorobenzene	284	8.765	8.765	0.000	98	302476	50.0	52.7	
84 Pentachlorophenol	266	8.953	8.953	0.000	94	345586	100.0	126.3	
85 Pentachloronitrobenzene	237	8.971	8.971	0.000	88	107110	50.0	53.3	
86 n-Octadecane	57	9.012	9.012	0.000	92	924883	50.0	42.4	
* 87 Phenanthrene-d10	188	9.135	9.129	0.006	99	1010448	40.0	40.0	
88 Phenanthrene	178	9.165	9.165	0.000	97	1443656	50.0	49.6	
89 Anthracene	178	9.212	9.212	0.000	99	1444499	50.0	49.3	
90 Carbazole	167	9.365	9.365	0.000	95	1172388	50.0	49.3	
91 Di-n-butyl phthalate	149	9.694	9.694	0.000	100	1409642	50.0	52.6	
92 Fluoranthene	202	10.341	10.341	0.000	98	1189427	50.0	53.1	
93 Benzidine	184	10.465	10.465	0.000	100	394775	50.0	36.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
94 Pyrene	202	10.577	10.576	0.001	97	1165745	50.0	46.2	
95 Bisphenol-A	213	10.606	10.606	0.000	99	189612	25.0	27.3	
\$ 96 Terphenyl-d14	244	10.729	10.729	0.000	99	771177	50.0	50.2	
97 Butyl benzyl phthalate	149	11.271	11.271	0.000	96	442659	50.0	50.5	
99 Carbamazepine	193	11.412	11.412	0.000	93	292326	50.0	55.3	
100 3,3'-Dichlorobenzidine	252	11.935	11.935	0.000	100	132785	50.0	28.2	
101 Benzo[a]anthracene	228	11.976	11.976	0.000	99	745478	50.0	48.8	
* 102 Chrysene-d12	240	11.994	11.982	0.012	99	510311	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.994	11.994	0.000	90	598455	50.0	52.4	
103 Chrysene	228	12.023	12.023	0.000	99	697265	50.0	51.1	
105 Di-n-octyl phthalate	149	12.888	12.888	0.000	98	844656	50.0	56.6	
106 Benzo[b]fluoranthene	252	13.447	13.447	0.000	99	510075	50.0	50.7	
107 Benzo[k]fluoranthene	252	13.482	13.482	0.000	99	537132	50.0	53.5	
108 Benzo[a]pyrene	252	13.906	13.906	0.000	97	456872	50.0	51.4	
* 109 Perylene-d12	264	13.988	13.982	0.006	98	333404	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.641	15.647	-0.006	99	367458	50.0	54.2	
111 Dibenz(a,h)anthracene	278	15.676	15.676	0.000	96	359368	50.0	52.2	
112 Benzo[g,h,i]perylene	276	16.117	16.117	0.000	96	343465	50.0	46.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_ISTD_00091

Amount Added: 20.00

Units: uL

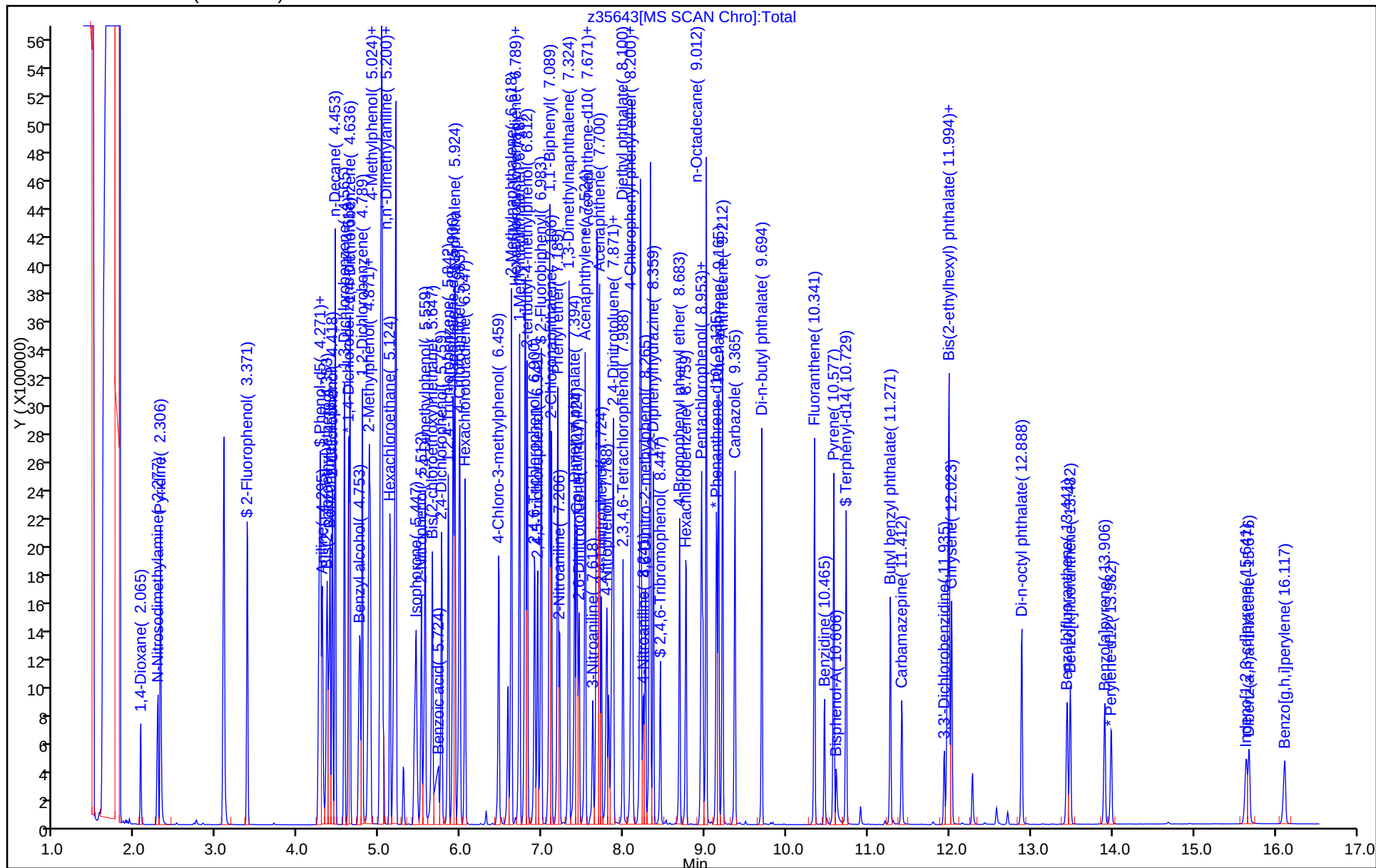
Run Reagent

Chrom Revision: 2.2 23-Jul-2015 08:26:08

TestAmerica Edison

Data File:	\\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150822-31003.b\\z35643.D		
Injection Date:	22-Aug-2015 09:55:30	Instrument ID:	CBNAMS11
Lims ID:	LCS 460-318158/2-A		
Client ID:			
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_11R_9	Limit Group:	SV 8270D ICAL
Column:	Rtxi-5Sil MS (0.25 mm)		

Operator ID:
Worklist Smp#: 5
ALS Bottle#: 5



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-2 MS</u>	Lab Sample ID: <u>460-99997-2 MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z35691.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>08/20/2015 09:01</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>08/21/2015 21:30</u>
Sample wt/vol: <u>15.0219(g)</u>	Date Analyzed: <u>08/24/2015 13:20</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>9.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318357</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	2.67		0.36	0.0092
91-57-6	2-Methylnaphthalene	2.76		0.36	0.0080
208-96-8	Acenaphthylene	2.84		0.36	0.0094
83-32-9	Acenaphthene	2.72		0.36	0.0088
86-73-7	Fluorene	2.80		0.36	0.0079
85-01-8	Phenanthrene	2.96		0.36	0.0097
120-12-7	Anthracene	2.87		0.36	0.035
206-44-0	Fluoranthene	3.07		0.36	0.011
129-00-0	Pyrene	2.41		0.36	0.017
56-55-3	Benzo[a]anthracene	2.92		0.036	0.030
218-01-9	Chrysene	3.08		0.36	0.0099
205-99-2	Benzo[b]fluoranthene	2.65		0.036	0.014
207-08-9	Benzo[k]fluoranthene	2.74		0.036	0.016
50-32-8	Benzo[a]pyrene	3.07		0.036	0.011
193-39-5	Indeno[1,2,3-cd]pyrene	4.13		0.036	0.024
53-70-3	Dibenz(a,h)anthracene	3.87		0.036	0.019
191-24-2	Benzo[g,h,i]perylene	3.39		0.36	0.021

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	76		30-130
1718-51-0	Terphenyl-d14	74		30-130
321-60-8	2-Fluorobiphenyl	83		30-130

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-21 MS</u>	Lab Sample ID: <u>460-99997-21 MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x5565.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>08/20/2015 15:37</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>08/21/2015 19:43</u>
Sample wt/vol: <u>15.0213(g)</u>	Date Analyzed: <u>08/22/2015 11:58</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>13.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318191</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	2.55		0.38	0.0097
91-57-6	2-Methylnaphthalene	2.75		0.38	0.0084
208-96-8	Acenaphthylene	2.62		0.38	0.0098
83-32-9	Acenaphthene	2.73		0.38	0.0092
86-73-7	Fluorene	2.75		0.38	0.0083
85-01-8	Phenanthrene	2.80		0.38	0.010
120-12-7	Anthracene	2.79		0.38	0.036
206-44-0	Fluoranthene	2.88		0.38	0.011
129-00-0	Pyrene	2.74		0.38	0.017
56-55-3	Benzo[a]anthracene	2.72		0.038	0.032
218-01-9	Chrysene	2.82		0.38	0.010
205-99-2	Benzo[b]fluoranthene	2.95		0.038	0.015
207-08-9	Benzo[k]fluoranthene	2.82		0.038	0.017
50-32-8	Benzo[a]pyrene	2.91		0.038	0.012
193-39-5	Indeno[1,2,3-cd]pyrene	2.96		0.038	0.025
53-70-3	Dibenz(a,h)anthracene	2.99		0.038	0.020
191-24-2	Benzo[g,h,i]perylene	2.73		0.38	0.022

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	69		30-130
1718-51-0	Terphenyl-d14	77		30-130
321-60-8	2-Fluorobiphenyl	71		30-130

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-2 MSD</u>	Lab Sample ID: <u>460-99997-2 MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z35692.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>08/20/2015 09:01</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>08/21/2015 21:30</u>
Sample wt/vol: <u>15.0217(g)</u>	Date Analyzed: <u>08/24/2015 13:43</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>9.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318357</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	2.84		0.36	0.0092
91-57-6	2-Methylnaphthalene	2.91		0.36	0.0080
208-96-8	Acenaphthylene	3.00		0.36	0.0094
83-32-9	Acenaphthene	2.86		0.36	0.0088
86-73-7	Fluorene	2.97		0.36	0.0079
85-01-8	Phenanthrene	3.15		0.36	0.0097
120-12-7	Anthracene	3.06		0.36	0.035
206-44-0	Fluoranthene	3.35		0.36	0.011
129-00-0	Pyrene	2.34		0.36	0.017
56-55-3	Benzo[a]anthracene	3.08		0.036	0.030
218-01-9	Chrysene	3.27		0.36	0.0099
205-99-2	Benzo[b]fluoranthene	2.91		0.036	0.014
207-08-9	Benzo[k]fluoranthene	2.87		0.036	0.016
50-32-8	Benzo[a]pyrene	3.28		0.036	0.011
193-39-5	Indeno[1,2,3-cd]pyrene	4.07		0.036	0.024
53-70-3	Dibenz(a,h)anthracene	3.78		0.036	0.019
191-24-2	Benzo[g,h,i]perylene	3.22		0.36	0.021

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	78		30-130
1718-51-0	Terphenyl-d14	69		30-130
321-60-8	2-Fluorobiphenyl	87		30-130

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-21 MSD</u>	Lab Sample ID: <u>460-99997-21 MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x5566.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>08/20/2015 15:37</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>08/21/2015 19:43</u>
Sample wt/vol: <u>15.0216(g)</u>	Date Analyzed: <u>08/22/2015 12:22</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>13.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318191</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	2.51		0.38	0.0097
91-57-6	2-Methylnaphthalene	2.68		0.38	0.0084
208-96-8	Acenaphthylene	2.66		0.38	0.0098
83-32-9	Acenaphthene	2.75		0.38	0.0092
86-73-7	Fluorene	2.77		0.38	0.0083
85-01-8	Phenanthrene	2.77		0.38	0.010
120-12-7	Anthracene	2.73		0.38	0.036
206-44-0	Fluoranthene	2.84		0.38	0.011
129-00-0	Pyrene	2.67		0.38	0.017
56-55-3	Benzo[a]anthracene	2.63		0.038	0.032
218-01-9	Chrysene	2.76		0.38	0.010
205-99-2	Benzo[b]fluoranthene	2.83		0.038	0.015
207-08-9	Benzo[k]fluoranthene	2.74		0.038	0.017
50-32-8	Benzo[a]pyrene	2.77		0.038	0.012
193-39-5	Indeno[1,2,3-cd]pyrene	2.75		0.038	0.025
53-70-3	Dibenz(a,h)anthracene	2.92		0.038	0.020
191-24-2	Benzo[g,h,i]perylene	2.65		0.38	0.022

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	67		30-130
1718-51-0	Terphenyl-d14	74		30-130
321-60-8	2-Fluorobiphenyl	70		30-130

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-99997-1

SDG No.: _____

Instrument ID: CBNAMS11Start Date: 08/19/2015 11:39Analysis Batch Number: 317554End Date: 08/19/2015 19:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-317554/1		08/19/2015 11:39	1	z35529.D	Rtxi-5Sil MS 0.25 (mm)
ICIS 460-317554/2		08/19/2015 11:58	1	z35530.D	Rtxi-5Sil MS 0.25 (mm)
STD120 460-317554/3 IC		08/19/2015 12:32	1	z35531.D	Rtxi-5Sil MS 0.25 (mm)
STD80 460-317554/4 IC		08/19/2015 12:55	1	z35532.D	Rtxi-5Sil MS 0.25 (mm)
STD20 460-317554/5 IC		08/19/2015 13:18	1	z35533.D	Rtxi-5Sil MS 0.25 (mm)
STD10 460-317554/6 IC		08/19/2015 13:41	1	z35534.D	Rtxi-5Sil MS 0.25 (mm)
STD5 460-317554/7 IC		08/19/2015 14:04	1	z35535.D	Rtxi-5Sil MS 0.25 (mm)
STD2 460-317554/8 IC		08/19/2015 14:27	1	z35536.D	Rtxi-5Sil MS 0.25 (mm)
STD1 460-317554/9 IC		08/19/2015 14:50	1	z35537.D	Rtxi-5Sil MS 0.25 (mm)
STD50 460-317554/11 IC		08/19/2015 15:36	1		Rtxi-5Sil MS 0.25 (mm)
STD120 460-317554/12 IC		08/19/2015 15:59	1		Rtxi-5Sil MS 0.25 (mm)
STD080 460-317554/13 IC		08/19/2015 16:23	1		Rtxi-5Sil MS 0.25 (mm)
STD020 460-317554/14 IC		08/19/2015 16:46	1		Rtxi-5Sil MS 0.25 (mm)
STD010 460-317554/15 IC		08/19/2015 17:09	1		Rtxi-5Sil MS 0.25 (mm)
STD5 460-317554/16 IC		08/19/2015 17:32	1		Rtxi-5Sil MS 0.25 (mm)
STD2 460-317554/17 IC		08/19/2015 17:55	1		Rtxi-5Sil MS 0.25 (mm)
STD05 460-317554/20 IC		08/19/2015 18:18	1	z35546.D	Rtxi-5Sil MS 0.25 (mm)
ICV 460-317554/18		08/19/2015 18:44	1		Rtxi-5Sil MS 0.25 (mm)
ICV 460-317554/19		08/19/2015 19:07	1		Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-99997-1

SDG No.: _____

Instrument ID: CBNAMS11Start Date: 08/22/2015 08:02Analysis Batch Number: 318190End Date: 08/22/2015 18:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-318190/1		08/22/2015 08:02	1	z35639a.D	Rtxi-5Sil MS 0.25 (mm)
CCVIS 460-318190/2		08/22/2015 08:18	1	z35640.D	Rtxi-5Sil MS 0.25 (mm)
CCV 460-318190/3		08/22/2015 09:07	1		Rtxi-5Sil MS 0.25 (mm)
LCS 460-318158/2-A		08/22/2015 09:55	1	z35643.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/22/2015 10:18	1		Rtxi-5Sil MS 0.25 (mm)
LCS 460-318152/2-A		08/22/2015 10:41	1	z35645.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/22/2015 11:04	1		Rtxi-5Sil MS 0.25 (mm)
460-99997-10	ES-10	08/22/2015 11:27	1	z35647.D	Rtxi-5Sil MS 0.25 (mm)
460-99997-15	ES-15	08/22/2015 11:50	1	z35648.D	Rtxi-5Sil MS 0.25 (mm)
460-99997-13	ES-13	08/22/2015 12:13	1	z35649.D	Rtxi-5Sil MS 0.25 (mm)
460-99997-1	ES-1	08/22/2015 12:35	1	z35650.D	Rtxi-5Sil MS 0.25 (mm)
460-99997-4	ES-4	08/22/2015 12:59	1	z35651.D	Rtxi-5Sil MS 0.25 (mm)
460-99997-5	ES-5	08/22/2015 13:22	1	z35652.D	Rtxi-5Sil MS 0.25 (mm)
460-99997-8	ES-8	08/22/2015 14:07	1	z35654.D	Rtxi-5Sil MS 0.25 (mm)
460-99997-6	ES-6	08/22/2015 14:30	1	z35655.D	Rtxi-5Sil MS 0.25 (mm)
460-99997-12	ES-12	08/22/2015 14:53	1	z35656.D	Rtxi-5Sil MS 0.25 (mm)
460-99997-20	ES-20	08/22/2015 15:16	1	z35657.D	Rtxi-5Sil MS 0.25 (mm)
460-99997-19	ES-19	08/22/2015 16:02	5	z35659.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/22/2015 16:24	2		Rtxi-5Sil MS 0.25 (mm)
460-99997-7	ES-7	08/22/2015 16:48	1	z35661.D	Rtxi-5Sil MS 0.25 (mm)
460-99997-11	ES-11	08/22/2015 17:10	1	z35662.D	Rtxi-5Sil MS 0.25 (mm)
460-99997-14	ES-14	08/22/2015 17:56	1	z35664.D	Rtxi-5Sil MS 0.25 (mm)
460-99997-2	ES-2	08/22/2015 18:19	1	z35665.D	Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Instrument ID: CBNAMS11 Start Date: 08/24/2015 04:51Analysis Batch Number: 318357 End Date: 08/24/2015 14:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-318357/1		08/24/2015 04:51	1	z35669.D	Rtxi-5Sil MS 0.25 (mm)
CCVIS 460-318357/2		08/24/2015 05:07	1	z35670.D	Rtxi-5Sil MS 0.25 (mm)
CCV 460-318357/3		08/24/2015 05:34	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/24/2015 07:08	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/24/2015 08:21	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/24/2015 09:30	1		Rtxi-5Sil MS 0.25 (mm)
MB 460-318158/1-A		08/24/2015 11:25	1	z35686.D	Rtxi-5Sil MS 0.25 (mm)
460-99997-9	ES-9	08/24/2015 11:48	2	z35687.D	Rtxi-5Sil MS 0.25 (mm)
460-99997-18	ES-18	08/24/2015 12:11	2	z35688.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/24/2015 12:34	20		Rtxi-5Sil MS 0.25 (mm)
460-99997-3	ES-3	08/24/2015 12:57	2	z35690.D	Rtxi-5Sil MS 0.25 (mm)
460-99997-2 MS	ES-2 MS	08/24/2015 13:20	1	z35691.D	Rtxi-5Sil MS 0.25 (mm)
460-99997-2 MSD	ES-2 MSD	08/24/2015 13:43	1	z35692.D	Rtxi-5Sil MS 0.25 (mm)
460-99997-16	ES-16	08/24/2015 14:06	5	z35693.D	Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-99997-1

SDG No.: _____

Instrument ID: CBNAMS11Start Date: 08/25/2015 04:15Analysis Batch Number: 318575End Date: 08/25/2015 15:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-318575/1		08/25/2015 04:15	1	z35694.D	Rtxi-5Sil MS 0.25 (mm)
CCVIS 460-318575/2		08/25/2015 04:34	1	z35695.D	Rtxi-5Sil MS 0.25 (mm)
CCV 460-318575/3		08/25/2015 05:04	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/25/2015 05:27	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/25/2015 05:50	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/25/2015 06:13	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/25/2015 06:36	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/25/2015 06:59	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/25/2015 07:22	1		Rtxi-5Sil MS 0.25 (mm)
460-99997-17	ES-17	08/25/2015 07:45	2	z35703.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/25/2015 08:08	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/25/2015 08:31	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/25/2015 08:54	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/25/2015 09:17	20		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/25/2015 09:40	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/25/2015 10:27	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/25/2015 10:50	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/25/2015 11:13	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/25/2015 11:59	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/25/2015 12:22	2		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/25/2015 13:08	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/25/2015 14:18	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/25/2015 15:04	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/25/2015 15:27	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/25/2015 15:50	1		Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-99997-1

SDG No.: _____

Instrument ID: CBNAMS5Start Date: 08/05/2015 07:17Analysis Batch Number: 314647End Date: 08/05/2015 14:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-314647/1		08/05/2015 07:17	1	x4901.D	Rtxi-5Sil MS 0.25 (mm)
ICIS 460-314647/2		08/05/2015 07:31	1	x4902.D	Rtxi-5Sil MS 0.25 (mm)
STD120 460-314647/3 IC		08/05/2015 07:55	1	x4903.D	Rtxi-5Sil MS 0.25 (mm)
STD80 460-314647/4 IC		08/05/2015 08:19	1	x4904.D	Rtxi-5Sil MS 0.25 (mm)
STD20 460-314647/5 IC		08/05/2015 08:43	1	x4905.D	Rtxi-5Sil MS 0.25 (mm)
STD10 460-314647/6 IC		08/05/2015 09:07	1	x4906.D	Rtxi-5Sil MS 0.25 (mm)
STD5 460-314647/7 IC		08/05/2015 09:32	1	x4907.D	Rtxi-5Sil MS 0.25 (mm)
STD2 460-314647/8 IC		08/05/2015 09:56	1	x4908.D	Rtxi-5Sil MS 0.25 (mm)
STD1 460-314647/9 IC		08/05/2015 10:20	1	x4909.D	Rtxi-5Sil MS 0.25 (mm)
STD05 460-314647/10 IC		08/05/2015 10:44	1	x4910.D	Rtxi-5Sil MS 0.25 (mm)
STD50 460-314647/11 IC		08/05/2015 11:08	1		Rtxi-5Sil MS 0.25 (mm)
STD120 460-314647/12 IC		08/05/2015 11:32	1		Rtxi-5Sil MS 0.25 (mm)
STD80 460-314647/13 IC		08/05/2015 11:56	1		Rtxi-5Sil MS 0.25 (mm)
STD20 460-314647/14 IC		08/05/2015 12:20	1		Rtxi-5Sil MS 0.25 (mm)
STD10 460-314647/15 IC		08/05/2015 12:43	1		Rtxi-5Sil MS 0.25 (mm)
STD5 460-314647/16 IC		08/05/2015 13:08	1		Rtxi-5Sil MS 0.25 (mm)
STD2 460-314647/17 IC		08/05/2015 13:32	1		Rtxi-5Sil MS 0.25 (mm)
ICV 460-314647/18		08/05/2015 13:55	1		Rtxi-5Sil MS 0.25 (mm)
ICV 460-314647/19		08/05/2015 14:20	1		Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Instrument ID: CBNAMS5 Start Date: 08/22/2015 08:07Analysis Batch Number: 318191 End Date: 08/22/2015 12:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-318191/1		08/22/2015 08:07	1	x5555.D	Rtxi-5Sil MS 0.25 (mm)
CCVIS 460-318191/2		08/22/2015 08:21	1	x5556.D	Rtxi-5Sil MS 0.25 (mm)
CCV 460-318191/3		08/22/2015 08:45	1		Rtxi-5Sil MS 0.25 (mm)
MB 460-318152/1-A		08/22/2015 09:34	1	x5559.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/22/2015 10:46	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/22/2015 11:10	1		Rtxi-5Sil MS 0.25 (mm)
460-99997-21	ES-21	08/22/2015 11:34	1	x5564.D	Rtxi-5Sil MS 0.25 (mm)
460-99997-21 MS	ES-21 MS	08/22/2015 11:58	1	x5565.D	Rtxi-5Sil MS 0.25 (mm)
460-99997-21 MSD	ES-21 MSD	08/22/2015 12:22	1	x5566.D	Rtxi-5Sil MS 0.25 (mm)
460-99997-22	ES-22	08/22/2015 12:46	1	x5567.D	Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Batch Number: 318152 Batch Start Date: 08/21/15 19:38 Batch Analyst: Silva, JoseBatch Method: 3546 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	OP_Benzald_sp 00002	OP_BNA SPIK 00017	OP_BNASurroga 00008	
MB 460-318152/1		3546, 8270D		15.0000 g	1 mL			500 uL	
LCS 460-318152/2		3546, 8270D		15.0000 g	1 mL		500 uL	500 uL	
460-99997-E-21 MS	ES-21	3546, 8270D	T	15.0213 g	1 mL	50 uL	500 uL	500 uL	
460-99997-E-21 MSD	ES-21	3546, 8270D	T	15.0216 g	1 mL	50 uL	500 uL	500 uL	
460-99997-E-21	ES-21	3546, 8270D	T	15.0219 g	1 mL			500 uL	
460-99997-E-22	ES-22	3546, 8270D	T	15.0127 g	1 mL			500 uL	

Batch Notes	
Balance ID	28
Batch Comment	BNA SOIL 8270D (uncorrected n evap temp. 37 Degrees C) # 222299
Person's name who did the concentration	Jose
Final Concentrator Volume	1 mL
MeCl2/Acetone Lot #	105993
Microwave Start Time	2000
Microwave Stop Time	2030
Na2SO4 Lot Number	433101/Silica Sand # 132456
Person's name who did the prep	Jose
SOP Number	3546
Person who performed Spike	Jose

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Batch Number: 318158 Batch Start Date: 08/21/15 21:29 Batch Analyst: Silva, JoseBatch Method: 3546 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	OP_Benzald_sp 00002	OP_BNA SPIK 00017	OP_BNASurroga 00008	
MB 460-318158/1		3546, 8270D		15.0000 g	1 mL			500 uL	
LCS 460-318158/2		3546, 8270D		15.0000 g	1 mL		500 uL	500 uL	
460-99997-E-2 MS	ES-2	3546, 8270D	T	15.0219 g	1 mL	50 uL	500 uL	500 uL	
460-99997-E-2 MSD	ES-2	3546, 8270D	T	15.0217 g	1 mL	50 uL	500 uL	500 uL	
460-99997-E-1	ES-1	3546, 8270D	T	15.0224 g	1 mL			500 uL	
460-99997-E-2	ES-2	3546, 8270D	T	15.0221 g	1 mL			500 uL	
460-99997-E-3	ES-3	3546, 8270D	T	15.0130 g	1 mL			500 uL	
460-99997-E-4	ES-4	3546, 8270D	T	15.0240 g	1 mL			500 uL	
460-99997-E-5	ES-5	3546, 8270D	T	15.0216 g	1 mL			500 uL	
460-99997-E-6	ES-6	3546, 8270D	T	15.0311 g	1 mL			500 uL	
460-99997-E-7	ES-7	3546, 8270D	T	15.0217 g	1 mL			500 uL	
460-99997-E-8	ES-8	3546, 8270D	T	15.0216 g	1 mL			500 uL	
460-99997-E-9	ES-9	3546, 8270D	T	15.0424 g	1 mL			500 uL	
460-99997-E-10	ES-10	3546, 8270D	T	15.0122 g	1 mL			500 uL	
460-99997-E-11	ES-11	3546, 8270D	T	15.0214 g	1 mL			500 uL	
460-99997-E-12	ES-12	3546, 8270D	T	15.0316 g	1 mL			500 uL	
460-99997-E-13	ES-13	3546, 8270D	T	15.0133 g	1 mL			500 uL	
460-99997-E-14	ES-14	3546, 8270D	T	15.0214 g	1 mL			500 uL	
460-99997-E-15	ES-15	3546, 8270D	T	15.0302 g	1 mL			500 uL	
460-99997-E-16	ES-16	3546, 8270D	T	15.0415 g	1 mL			500 uL	
460-99997-E-17	ES-17	3546, 8270D	T	15.0212 g	1 mL			500 uL	
460-99997-E-18	ES-18	3546, 8270D	T	15.0312 g	1 mL			500 uL	
460-99997-E-19	ES-19	3546, 8270D	T	15.0128 g	1 mL			500 uL	
460-99997-E-20	ES-20	3546, 8270D	T	15.0312 g	1 mL			500 uL	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Batch Number: 318158 Batch Start Date: 08/21/15 21:29 Batch Analyst: Silva, JoseBatch Method: 3546 Batch End Date: _____

Batch Notes	
Balance ID	28
Batch Comment	BNA SOIL 8270D (uncorrected n evap temp. 37 Degrees C) # 222299
Person's name who did the concentration	Jose
Final Concentrator Volume	1 mL
MeCl2/Acetone Lot #	105993
Microwave Start Time	2000
Microwave Stop Time	2030
Na2SO4 Lot Number	433101/Silica Sand # 132456
Person's name who did the prep	Jose
SOP Number	3546
Person who performed Spike	Jose

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8270D

8082A_DKQP

Polychlorinated Biphenyls (PCBs) by
Gas Chromatography

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Matrix: Solid Level: Low

GC Column (1): CLP-1 ID: 0.53 (mm) GC Column (2): CLP-2 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
ES-1	460-99997-1	111	110	115	109
ES-2	460-99997-2	128	128	132	127
ES-3	460-99997-3	140	138	138	134
ES-4	460-99997-4	113	114	117	112
ES-5	460-99997-5	120	119	126	127
ES-6	460-99997-6	143	138	143	133
ES-7	460-99997-7	112	114	112	110
ES-8	460-99997-8	85	85	87	82
ES-9	460-99997-9	94	94	106	102
ES-10	460-99997-10	109	109	115	104
ES-11	460-99997-11	101	99	108	107
ES-12	460-99997-12	100	98	106	104
ES-13	460-99997-13	111	111	118	117
ES-14	460-99997-14	102	101	108	103
ES-15	460-99997-15	106	106	114	102
ES-16	460-99997-16	96	97	99	98
ES-17	460-99997-17	103	103	108	105
ES-18	460-99997-18	95	94	103	97
ES-19	460-99997-19	96	96	105	101
ES-20	460-99997-20	105	104	111	105
ES-21	460-99997-21	112	111	118	114
ES-22	460-99997-22	84	121	87	124
	MB 460-318165/1-A	58 p	113	122	116
	MB 460-318167/1-A	110	110	119	113
	LCS 460-318165/2-A	105	103	111	105
	LCS 460-318167/2-A	116	113	122	115
ES-2 MS	460-99997-2 MS	127	124	127	123
ES-21 MS	460-99997-21 MS	127	124	135	133
ES-2 MSD	460-99997-2 MSD	110	108	112	104
ES-21 MSD	460-99997-21 MSD	124	123	132	128

QC LIMITS

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

30-150
30-150

Column to be used to flag recovery values

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: T1305358.D
Lab ID: LCS 460-318165/2-A Client ID: _____

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Aroclor 1016	0.333	0.349	105	40-140	
Aroclor 1016	0.333	0.351	105	40-140	
Aroclor 1260	0.333	0.393	118	40-140	
Aroclor 1260	0.333	0.395	118	40-140	

Column to be used to flag recovery and RPD values

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Matrix: Solid Level: Low Lab File ID: T1305381.D

Lab ID: LCS 460-318167/2-A Client ID: _____

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Aroclor 1016	0.333	0.381	114	40-140	
Aroclor 1016	0.333	0.390	117	40-140	
Aroclor 1260	0.333	0.430	129	40-140	
Aroclor 1260	0.333	0.432	130	40-140	

Column to be used to flag recovery and RPD values

FORM III
GC SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: T1305383.D
 Lab ID: 460-99997-2 MS Client ID: ES-2 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Aroclor 1016	0.367	0.0098 U	0.479	131	40-140	
Aroclor 1016	0.367	0.0098 U	0.484	132	40-140	
Aroclor 1260	0.367	0.010 U	0.523	142	40-140	F1
Aroclor 1260	0.367	0.010 U	0.526	143	40-140	F1

Column to be used to flag recovery and RPD values

FORM III
GC SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: T1305362.D
 Lab ID: 460-99997-21 MS Client ID: ES-21 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Aroclor 1016	0.385	0.010 U	0.502	130	40-140	
Aroclor 1016	0.385	0.010 U	0.507	132	40-140	
Aroclor 1260	0.385	0.011 U	0.545	142	40-140	F1
Aroclor 1260	0.385	0.011 U	0.559	145	40-140	F1

Column to be used to flag recovery and RPD values

FORM III
GC SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: T1305384.D
 Lab ID: 460-99997-2 MSD Client ID: ES-2 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Aroclor 1016	0.367	0.420	114	14	30	40-140	
Aroclor 1016	0.367	0.416	113	14	30	40-140	
Aroclor 1260	0.367	0.456	124	14	30	40-140	
Aroclor 1260	0.367	0.467	127	12	30	40-140	

Column to be used to flag recovery and RPD values

FORM III
GC SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: T1305363.D
 Lab ID: 460-99997-21 MSD Client ID: ES-21 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Aroclor 1016	0.385	0.493	128	2	30	40-140	
Aroclor 1016	0.385	0.498	129	2	30	40-140	
Aroclor 1260	0.385	0.543	141	3	30	40-140	F1
Aroclor 1260	0.385	0.539	140	1	30	40-140	

Column to be used to flag recovery and RPD values

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Lab Sample ID: MB 460-318165/1-A
Matrix: Solid Date Extracted: 08/21/2015 22:18
Lab File ID: (1) T1305357.D Lab File ID: (2) T1305357.D
Date Analyzed: (1) 08/22/2015 09:28 Date Analyzed: (2) 08/22/2015 09:28
Instrument ID: (1) CPESTGC11 Instrument ID: (2) CPESTGC11
GC Column: (1) CLP-1 ID: 0.53 (mm) GC Column: (2) CLP-2 ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 460-318165/2-A	08/22/2015 09:42	08/22/2015 09:42
ES-21	460-99997-21	08/22/2015 10:26	08/22/2015 10:26
ES-21 MS	460-99997-21 MS	08/22/2015 10:41	08/22/2015 10:41
ES-21 MSD	460-99997-21 MSD	08/22/2015 10:55	08/22/2015 10:55
ES-22	460-99997-22	08/22/2015 11:10	08/22/2015 11:10

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Lab Sample ID: MB 460-318167/1-A
 Matrix: Solid Date Extracted: 08/21/2015 22:24
 Lab File ID: (1) T1305380.D Lab File ID: (2) T1305380.D
 Date Analyzed: (1) 08/23/2015 10:01 Date Analyzed: (2) 08/23/2015 10:01
 Instrument ID: (1) CPESTGC11 Instrument ID: (2) CPESTGC11
 GC Column: (1) CLP-1 ID: 0.53 (mm) GC Column: (2) CLP-2 ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 460-318167/2-A	08/23/2015 10:16	08/23/2015 10:16
ES-2	460-99997-2	08/23/2015 10:30	08/23/2015 10:30
ES-2 MS	460-99997-2 MS	08/23/2015 10:45	08/23/2015 10:45
ES-2 MSD	460-99997-2 MSD	08/23/2015 10:59	08/23/2015 10:59
ES-1	460-99997-1	08/23/2015 11:14	08/23/2015 11:14
ES-3	460-99997-3	08/23/2015 11:29	08/23/2015 11:29
ES-4	460-99997-4	08/23/2015 11:43	08/23/2015 11:43
ES-5	460-99997-5	08/23/2015 11:58	08/23/2015 11:58
ES-6	460-99997-6	08/23/2015 12:12	08/23/2015 12:12
ES-7	460-99997-7	08/23/2015 12:27	08/23/2015 12:27
ES-8	460-99997-8	08/23/2015 12:41	08/23/2015 12:41
ES-9	460-99997-9	08/23/2015 12:56	08/23/2015 12:56
ES-10	460-99997-10	08/23/2015 13:10	08/23/2015 13:10
ES-11	460-99997-11	08/23/2015 13:25	08/23/2015 13:25
ES-12	460-99997-12	08/23/2015 13:39	08/23/2015 13:39
ES-13	460-99997-13	08/23/2015 13:54	08/23/2015 13:54
ES-14	460-99997-14	08/23/2015 14:08	08/23/2015 14:08
ES-15	460-99997-15	08/23/2015 14:23	08/23/2015 14:23
ES-16	460-99997-16	08/23/2015 14:37	08/23/2015 14:37
ES-17	460-99997-17	08/23/2015 14:52	08/23/2015 14:52
ES-18	460-99997-18	08/23/2015 15:06	08/23/2015 15:06
ES-19	460-99997-19	08/23/2015 15:21	08/23/2015 15:21
ES-20	460-99997-20	08/23/2015 15:35	08/23/2015 15:35

FORM VIII
GC SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Sample No.: CCVRT 460-318197/2 Date Analyzed: 08/22/2015 08:28
 Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53 (mm)
 Lab File ID (Standard): T1305354.D Heated Purge: (Y/N) N
 Calibration ID: 51529

	TCX		DCB			
	AREA #	RT #	AREA #	RT #	AREA #	RT #
CONTINUING CALIBRATION SURROGATE	122530497	2.45	86899743	10.53		
UPPER LIMIT	150	2.52	150	10.60		
LOWER LIMIT	30	2.38	30	10.46		
LAB SAMPLE ID	CLIENT SAMPLE ID					
MB 460-318165/1-A		73887581	2.45	56241370	10.55	
LCS 460-318165/2-A		68548078	2.45	51972327	10.54	
460-99997-21	ES-21	75236332	2.45	57970353	10.55	
460-99997-21 MS	ES-21 MS	78450731	2.45	62321840	10.55	
460-99997-21 MSD	ES-21 MSD	76071042	2.45	58930857	10.54	
460-99997-22	ES-22	76524920	2.45	58745360	10.55	

TCX = Tetrachloro-m-xylene
 DCB = DCB Decachlorobiphenyl

TCX RT Limit = $\pm$ 0 minutes of surrogate RT
 DCB RT Limit = $\pm$ 0 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
GC SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Sample No.: CCVRT 460-318197/2 Date Analyzed: 08/22/2015 08:28
 Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53 (mm)
 Lab File ID (Standard): T1305354.D Heated Purge: (Y/N) N
 Calibration ID: 51530

	TCX		DCB			
	AREA #	RT #	AREA #	RT #	AREA #	RT #
CONTINUING CALIBRATION SURROGATE	171898060	2.00	175117374	9.05		
UPPER LIMIT	150	2.07	150	9.12		
LOWER LIMIT	30	1.93	30	8.98		
LAB SAMPLE ID	CLIENT SAMPLE ID					
MB 460-318165/1-A		52325986	1.99	109763555	9.05	
LCS 460-318165/2-A		97694560	2.00	102950801	9.05	
460-99997-21	ES-21	105517964	2.00	112239776	9.06	
460-99997-21 MS	ES-21 MS	111300984	2.00	118947123	9.05	
460-99997-21 MSD	ES-21 MSD	107650502	2.00	114917171	9.05	
460-99997-22	ES-22	108771836	2.00	113968885	9.05	

TCX = Tetrachloro-m-xylene
 DCB = DCB Decachlorobiphenyl

TCX RT Limit = $\pm$ 0 minutes of surrogate RT
 DCB RT Limit = $\pm$ 0 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
GC SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Sample No.: CCVRT 460-318286/2 Date Analyzed: 08/23/2015 08:15
 Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53 (mm)
 Lab File ID (Standard): T1305373.D Heated Purge: (Y/N) N
 Calibration ID: 51529

	TCX		DCB			
	AREA #	RT #	AREA #	RT #	AREA #	RT #
CONTINUING CALIBRATION SURROGATE	122599449	2.45	84431306	10.53		
UPPER LIMIT	150	2.52	150	10.60		
LOWER LIMIT	30	2.38	30	10.46		
LAB SAMPLE ID	CLIENT SAMPLE ID					
MB 460-318167/1-A		67320408	2.45	51366386	10.53	
LCS 460-318167/2-A		68598412	2.45	51951311	10.53	
460-99997-2	ES-2	83137066	2.45	61702659	10.52	
460-99997-2 MS	ES-2 MS	77073349	2.45	57384418	10.53	
460-99997-2 MSD	ES-2 MSD	72763099	2.45	52515628	10.53	
460-99997-1	ES-1	73507755	2.45	54516249	10.53	
460-99997-3	ES-3	83613365	2.45	60560365	10.53	
460-99997-4	ES-4	73689782	2.45	54004440	10.53	
460-99997-5	ES-5	76541289	2.45	60790247	10.54	
460-99997-6	ES-6	88089233	2.45	63261354	10.54	
460-99997-7	ES-7	73183780	2.45	52748625	10.54	
460-99997-8	ES-8	61091571	2.45	43671459	10.54	
460-99997-9	ES-9	66010582	2.45	53494389	10.54	
460-99997-10	ES-10	73378486	2.45	52017270	10.54	
460-99997-11	ES-11	71061803	2.45	56795586	10.54	
460-99997-12	ES-12	72094050	2.45	56827185	10.54	
460-99997-13	ES-13	76751997	2.45	60177066	10.54	
460-99997-14	ES-14	72081778	2.45	54589183	10.54	
460-99997-15	ES-15	74183953	2.45	53382606	10.53	
460-99997-16	ES-16	70210140	2.45	52781653	10.54	
460-99997-17	ES-17	73362578	2.45	55690594	10.54	
460-99997-18	ES-18	68698531	2.45	52868853	10.53	
460-99997-19	ES-19	68276539	2.45	53731274	10.54	
460-99997-20	ES-20	71286164	2.45	53887156	10.54	

TCX = Tetrachloro-m-xylene
 DCB = DCB Decachlorobiphenyl

TCX RT Limit = $\pm$ 0 minutes of surrogate RT
 DCB RT Limit = $\pm$ 0 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
GC SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Sample No.: CCVRT 460-318286/2 Date Analyzed: 08/23/2015 08:15
 Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53 (mm)
 Lab File ID (Standard): T1305373.D Heated Purge: (Y/N) N
 Calibration ID: 51530

	TCX		DCB			
	AREA #	RT #	AREA #	RT #	AREA #	RT #
CONTINUING CALIBRATION SURROGATE	172866399	2.00	171244356	9.05		
UPPER LIMIT	150	2.07	150	9.12		
LOWER LIMIT	30	1.93	30	8.98		
LAB SAMPLE ID	CLIENT SAMPLE ID					
MB 460-318167/1-A		93535636	2.00	101702423	9.05	
LCS 460-318167/2-A		98723294	2.00	103931249	9.06	
460-99997-2	ES-2	116159148	2.00	120485306	9.05	
460-99997-2 MS	ES-2 MS	110199091	2.00	110658556	9.05	
460-99997-2 MSD	ES-2 MSD	102251059	2.00	105001895	9.05	
460-99997-1	ES-1	103320998	2.00	107495663	9.05	
460-99997-3	ES-3	116049464	2.00	114721584	9.05	
460-99997-4	ES-4	102327220	2.00	105578854	9.05	
460-99997-5	ES-5	106737451	2.00	112607868	9.05	
460-99997-6	ES-6	121799511	2.00	122884820	9.05	
460-99997-7	ES-7	103258585	2.00	103915673	9.05	
460-99997-8	ES-8	84166981	2.00	86895855	9.05	
460-99997-9	ES-9	91261454	2.00	102695037	9.05	
460-99997-10	ES-10	101010967	2.00	106612206	9.06	
460-99997-11	ES-11	99512915	2.00	106156822	9.05	
460-99997-12	ES-12	100068640	2.00	106579636	9.05	
460-99997-13	ES-13	105133982	2.00	112435117	9.05	
460-99997-14	ES-14	99180375	2.00	105808060	9.05	
460-99997-15	ES-15	102703926	2.00	110254388	9.05	
460-99997-16	ES-16	95649864	2.00	99282127	9.05	
460-99997-17	ES-17	100584665	2.00	106346120	9.05	
460-99997-18	ES-18	95543879	2.00	104036022	9.05	
460-99997-19	ES-19	94197882	2.00	103443027	9.05	
460-99997-20	ES-20	99274843	2.00	105827161	9.05	

TCX = Tetrachloro-m-xylene
 DCB = DCB Decachlorobiphenyl

TCX RT Limit = $\pm$ 0 minutes of surrogate RT
 DCB RT Limit = $\pm$ 0 minutes of surrogate RT

Column used to flag values outside QC limits

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Client Sample ID: ES-1 Lab Sample ID: 460-99997-1
Matrix: Solid Lab File ID: T1305385.D
Analysis Method: 8082A Date Collected: 08/20/2015 08:45
Extraction Method: 3546 Date Extracted: 08/21/2015 22:24
Sample wt/vol: 15.0214(g) Date Analyzed: 08/23/2015 11:14
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: 19.6 GPC Cleanup: (Y/N) N
Analysis Batch No.: 318286 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	109		30-150
877-09-8	Tetrachloro-m-xylene	110		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305385.D
 Lims ID: 460-99997-E-1-B Lab Sample ID: 460-99997-1
 Client ID: ES-1
 Sample Type: Client
 Inject. Date: 23-Aug-2015 11:14:31 ALS Bottle#: 14 Worklist Smp#: 14
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-014
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D

Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK034

First Level Reviewer: patelji Date: 23-Aug-2015 12:17:19

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.553	1.551	0.002	30221756	20.0
2	1.370	1.366	0.004	39888155	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.446	2.445	0.001	73507755	54.8
2	2.002	1.998	0.004	103320998	55.4

RPD = 1.16

\$ 11 DCB Decachlorobiphenyl

1	10.527	10.533	-0.006	54516249	54.5
2	9.052	9.049	0.003	107495663	57.5

RPD = 5.28

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305385.D

Injection Date: 23-Aug-2015 11:14:31

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-1-B

Lab Sample ID: 460-99997-1

Worklist Smp#: 14

Client ID: ES-1

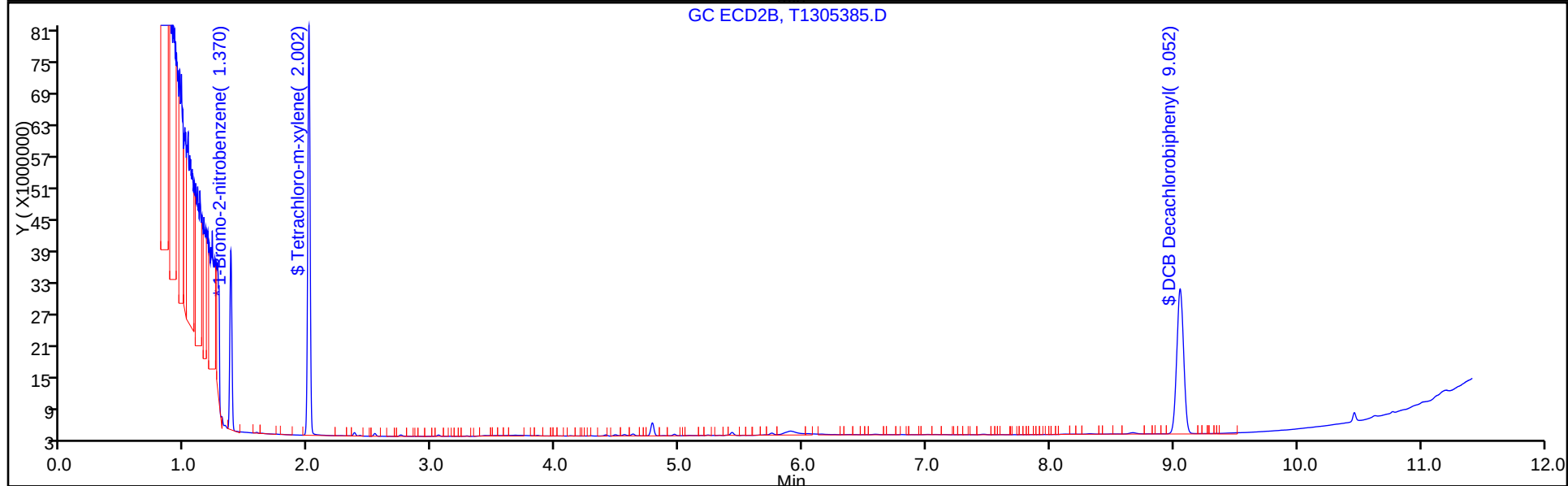
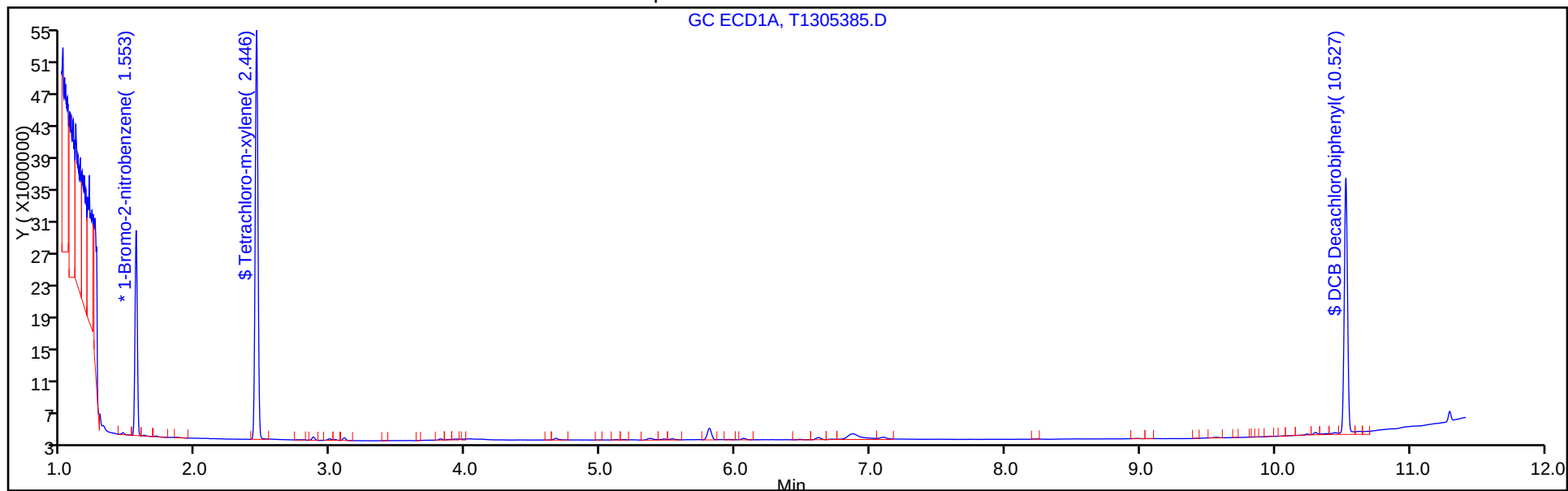
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 14

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-1</u>	Lab Sample ID: <u>460-99997-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1305385.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>08/20/2015 08:45</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>08/21/2015 22:24</u>
Sample wt/vol: <u>15.0214(g)</u>	Date Analyzed: <u>08/23/2015 11:14</u>
Con. Extract Vol.: <u>10(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	GC Column: <u>CLP-1</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>19.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318286</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.011	U	0.083	0.011
11104-28-2	Aroclor 1221	0.011	U	0.083	0.011
11141-16-5	Aroclor 1232	0.011	U	0.083	0.011
53469-21-9	Aroclor 1242	0.011	U	0.083	0.011
12672-29-6	Aroclor 1248	0.011	U	0.083	0.011
11097-69-1	Aroclor 1254	0.011	U	0.083	0.011
11096-82-5	Aroclor 1260	0.011	U	0.083	0.011
37324-23-5	Aroclor 1262	0.011	U	0.083	0.011
11100-14-4	Aroclor 1268	0.011	U	0.083	0.011
1336-36-3	Polychlorinated biphenyls, Total	0.011	U	0.083	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	115		30-150
877-09-8	Tetrachloro-m-xylene	111		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305385.D
 Lims ID: 460-99997-E-1-B Lab Sample ID: 460-99997-1
 Client ID: ES-1
 Sample Type: Client
 Inject. Date: 23-Aug-2015 11:14:31 ALS Bottle#: 14 Worklist Smp#: 14
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-014
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D

Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK034

First Level Reviewer: patelji Date: 23-Aug-2015 12:17:19

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.553	1.551	0.002	30221756	20.0
2	1.370	1.366	0.004	39888155	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.446	2.445	0.001	73507755	54.8
2	2.002	1.998	0.004	103320998	55.4

RPD = 1.16

\$ 11 DCB Decachlorobiphenyl

1	10.527	10.533	-0.006	54516249	54.5
2	9.052	9.049	0.003	107495663	57.5

RPD = 5.28

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305385.D

Injection Date: 23-Aug-2015 11:14:31

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-1-B

Lab Sample ID: 460-99997-1

Worklist Smp#: 14

Client ID: ES-1

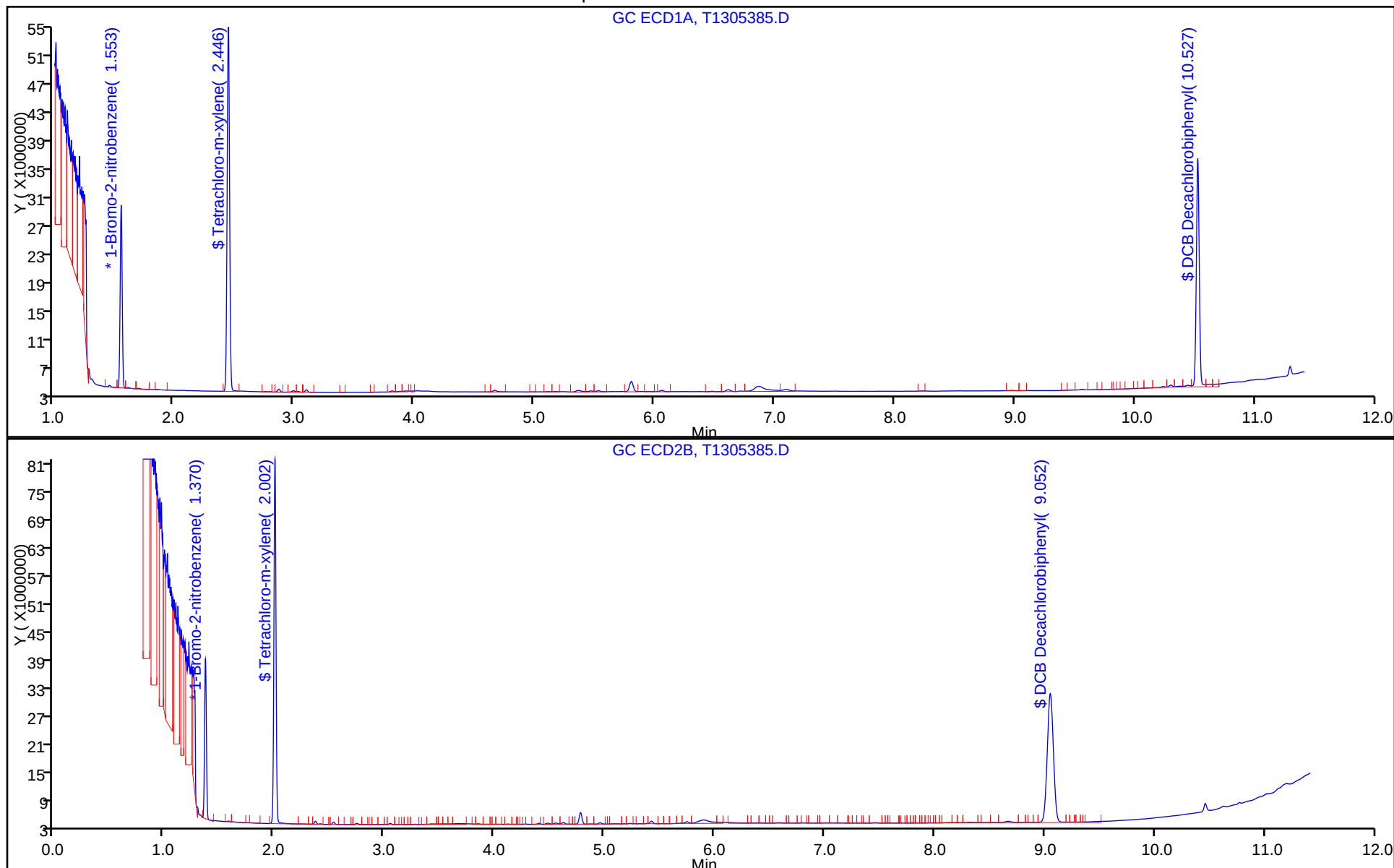
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 14

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Client Sample ID: ES-2 Lab Sample ID: 460-99997-2
Matrix: Solid Lab File ID: T1305382.D
Analysis Method: 8082A Date Collected: 08/20/2015 09:01
Extraction Method: 3546 Date Extracted: 08/21/2015 22:24
Sample wt/vol: 15.0123(g) Date Analyzed: 08/23/2015 10:30
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: 9.3 GPC Cleanup: (Y/N) N
Analysis Batch No.: 318286 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	127		30-150
877-09-8	Tetrachloro-m-xylene	128		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305382.D
 Lims ID: 460-99997-E-2-F Lab Sample ID: 460-99997-2
 Client ID: ES-2
 Sample Type: Client
 Inject. Date: 23-Aug-2015 10:30:43 ALS Bottle#: 11 Worklist Smp#: 11
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-011
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 23-Aug-2015 12:28:36 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D

Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK037

First Level Reviewer: patelji Date: 23-Aug-2015 10:53:58

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.553	1.551	0.002	29252036	20.0
2	1.370	1.366	0.004	38844934	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.446	2.445	0.001	83137066	64.0
2	2.002	1.998	0.004	116159148	64.0

RPD = 0.05

\$ 11 DCB Decachlorobiphenyl

1	10.520	10.533	-0.013	61702659	63.7
2	9.054	9.049	0.005	120485306	66.1

RPD = 3.69

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305382.D

Injection Date: 23-Aug-2015 10:30:43

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-2-F

Lab Sample ID: 460-99997-2

Worklist Smp#: 11

Client ID: ES-2

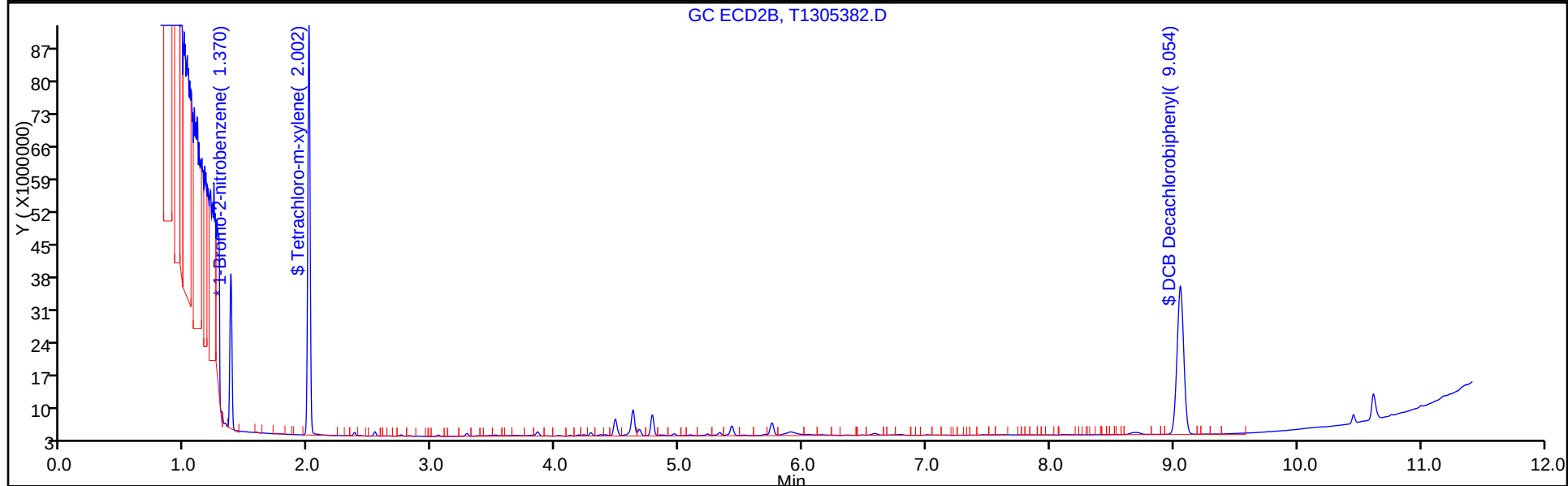
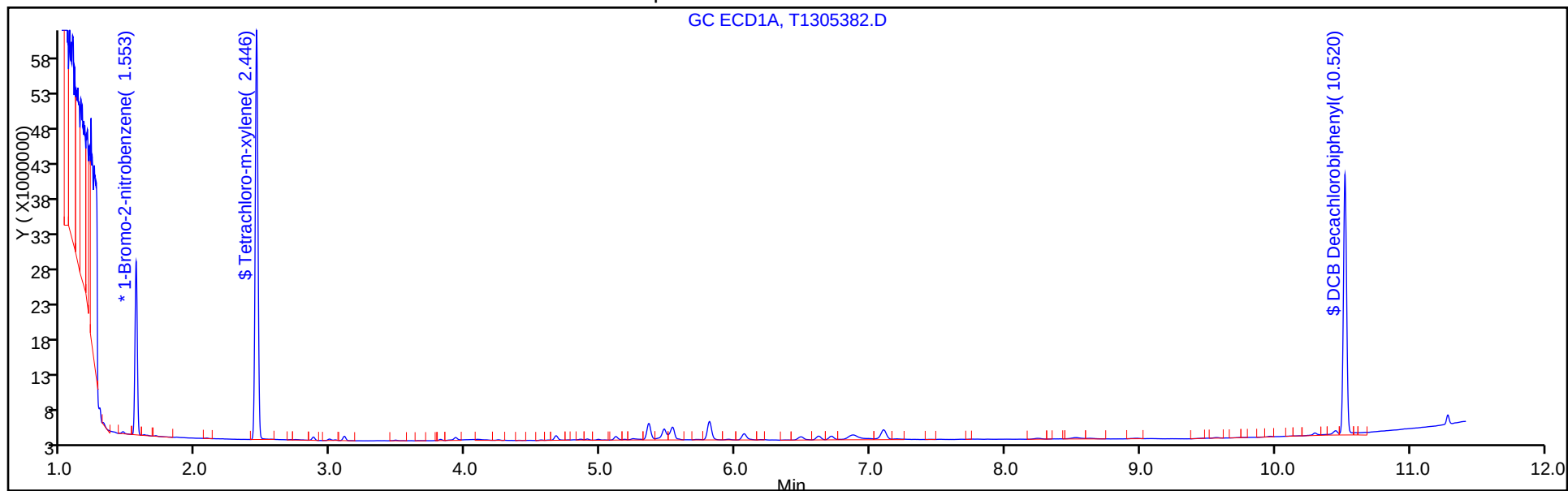
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 11

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-2</u>	Lab Sample ID: <u>460-99997-2</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1305382.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>08/20/2015 09:01</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>08/21/2015 22:24</u>
Sample wt/vol: <u>15.0123(g)</u>	Date Analyzed: <u>08/23/2015 10:30</u>
Con. Extract Vol.: <u>10 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	GC Column: <u>CLP-1</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>9.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318286</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.0098	U	0.074	0.0098
11104-28-2	Aroclor 1221	0.0098	U	0.074	0.0098
11141-16-5	Aroclor 1232	0.0098	U	0.074	0.0098
53469-21-9	Aroclor 1242	0.0098	U	0.074	0.0098
12672-29-6	Aroclor 1248	0.0098	U	0.074	0.0098
11097-69-1	Aroclor 1254	0.010	U	0.074	0.010
11096-82-5	Aroclor 1260	0.010	U F1	0.074	0.010
37324-23-5	Aroclor 1262	0.010	U	0.074	0.010
11100-14-4	Aroclor 1268	0.010	U	0.074	0.010
1336-36-3	Polychlorinated biphenyls, Total	0.010	U	0.074	0.010

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	132		30-150
877-09-8	Tetrachloro-m-xylene	128		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305382.D
 Lims ID: 460-99997-E-2-F Lab Sample ID: 460-99997-2
 Client ID: ES-2
 Sample Type: Client
 Inject. Date: 23-Aug-2015 10:30:43 ALS Bottle#: 11 Worklist Smp#: 11
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-011
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 23-Aug-2015 12:28:36 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D

Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK037

First Level Reviewer: patelji Date: 23-Aug-2015 10:53:58

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.553	1.551	0.002	29252036	20.0
2	1.370	1.366	0.004	38844934	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.446	2.445	0.001	83137066	64.0
2	2.002	1.998	0.004	116159148	64.0

RPD = 0.05

\$ 11 DCB Decachlorobiphenyl

1	10.520	10.533	-0.013	61702659	63.7
2	9.054	9.049	0.005	120485306	66.1

RPD = 3.69

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305382.D

Injection Date: 23-Aug-2015 10:30:43

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-2-F

Lab Sample ID: 460-99997-2

Worklist Smp#: 11

Client ID: ES-2

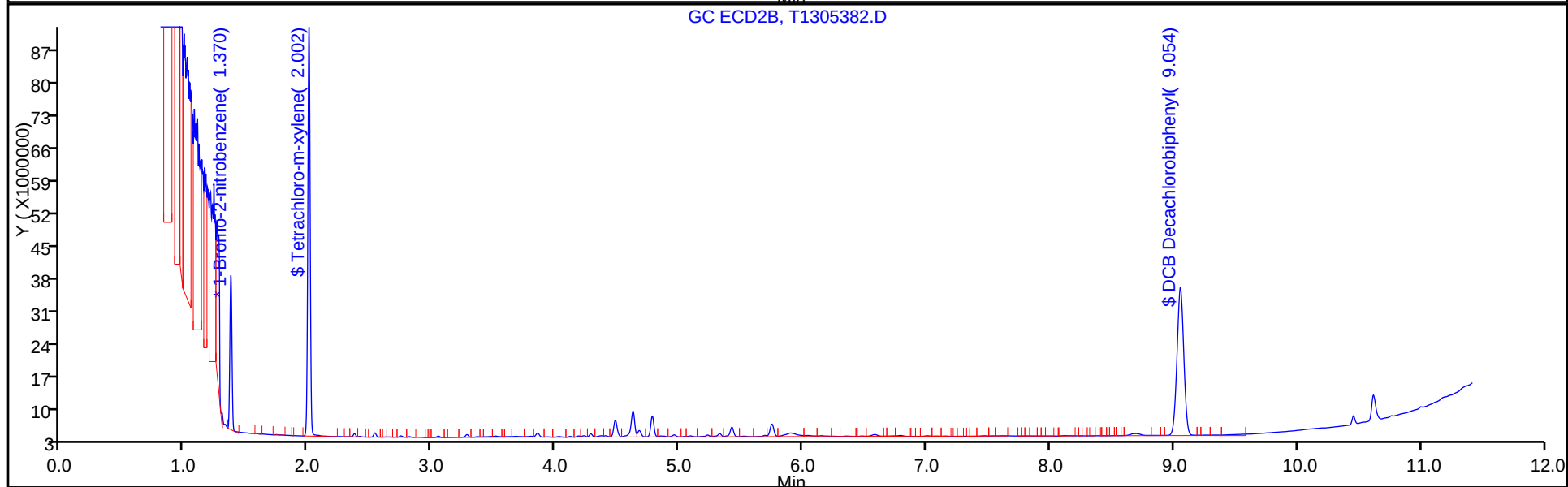
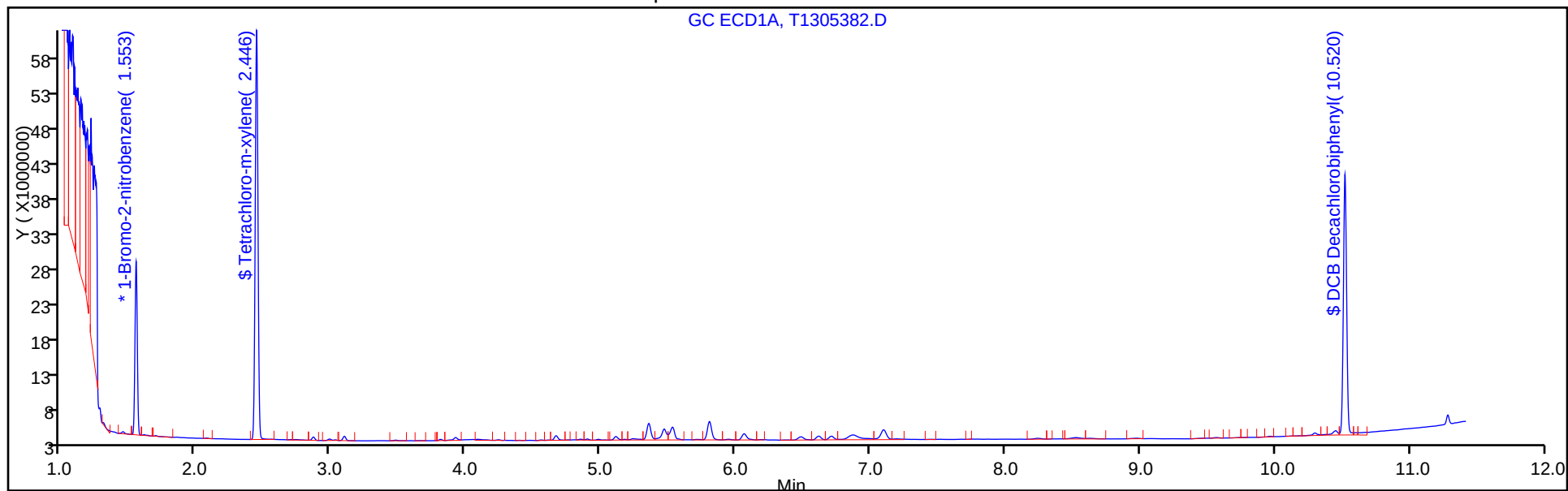
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 11

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Client Sample ID: ES-3 Lab Sample ID: 460-99997-3
Matrix: Solid Lab File ID: T1305386.D
Analysis Method: 8082A Date Collected: 08/20/2015 09:25
Extraction Method: 3546 Date Extracted: 08/21/2015 22:24
Sample wt/vol: 15.0318(g) Date Analyzed: 08/23/2015 11:29
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)
% Moisture: 11.5 GPC Cleanup: (Y/N) N
Analysis Batch No.: 318286 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	134		30-150
877-09-8	Tetrachloro-m-xylene	138		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305386.D
 Lims ID: 460-99997-E-3-B Lab Sample ID: 460-99997-3
 Client ID: ES-3
 Sample Type: Client
 Inject. Date: 23-Aug-2015 11:29:05 ALS Bottle#: 15 Worklist Smp#: 15
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-015
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D

Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK034

First Level Reviewer: patelji Date: 23-Aug-2015 12:17:13

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.554	1.551	0.003	27313871	20.0
2	1.372	1.366	0.006	35512755	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.448	2.445	0.003	83613365	69.0
2	2.003	1.998	0.005	116049464	69.9

RPD = 1.40

\$ 11 DCB Decachlorobiphenyl

1	10.531	10.533	-0.002	60560365	67.0
2	9.052	9.049	0.003	114721584	68.9

RPD = 2.77

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305386.D

Injection Date: 23-Aug-2015 11:29:05

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-3-B

Lab Sample ID: 460-99997-3

Worklist Smp#: 15

Client ID: ES-3

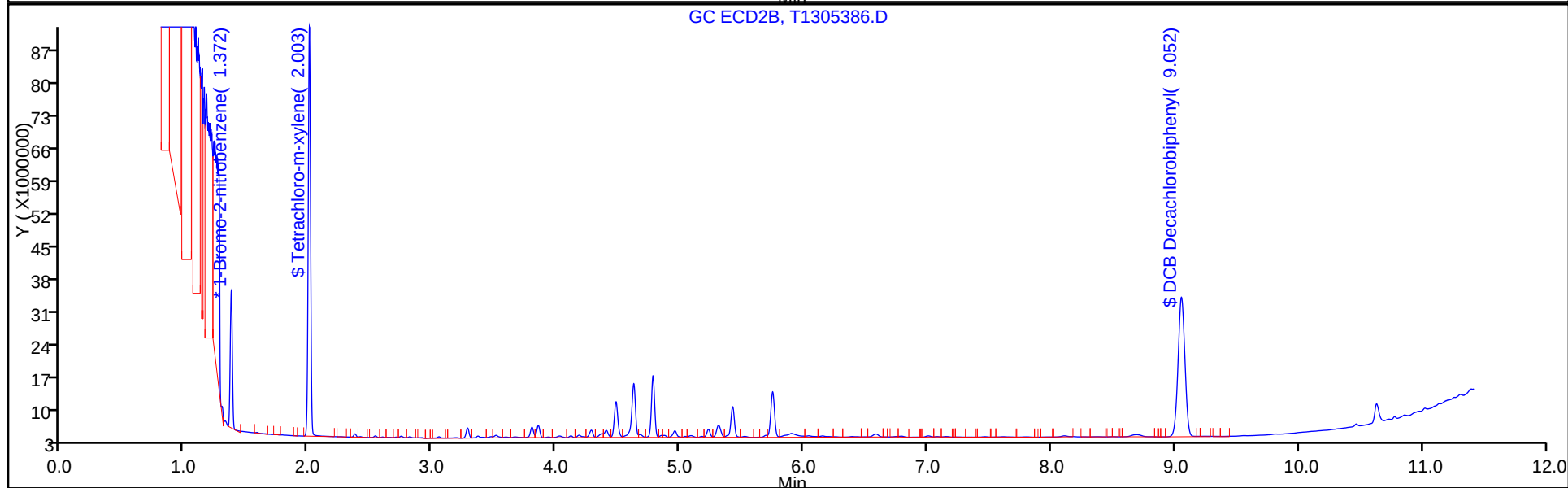
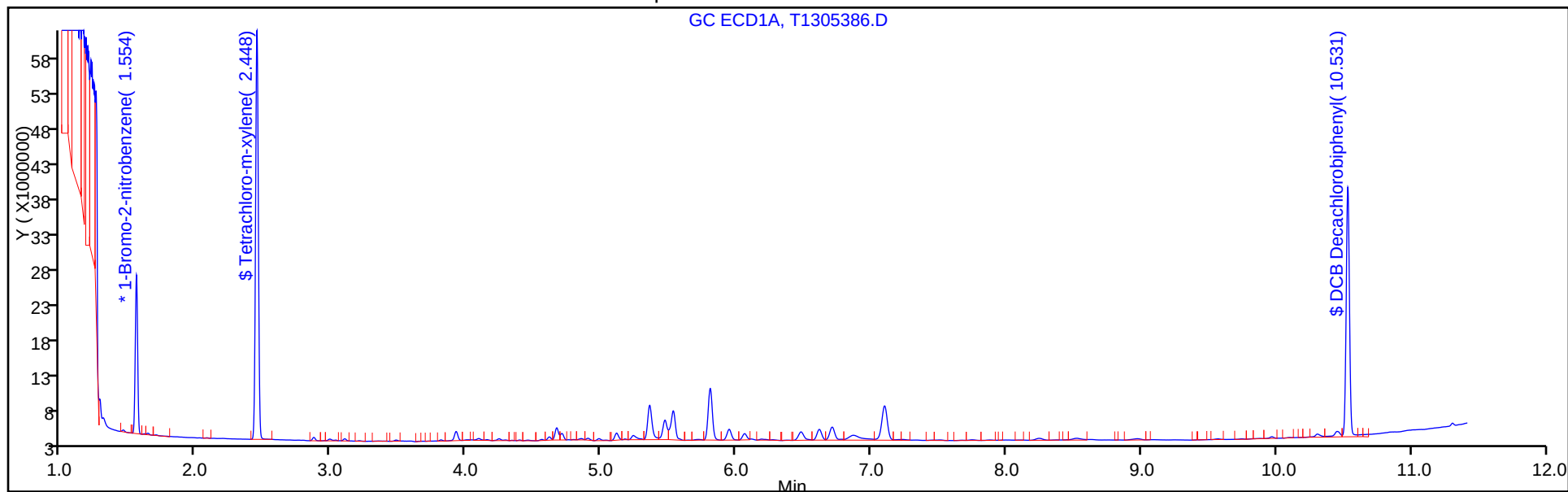
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 15

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-3</u>	Lab Sample ID: <u>460-99997-3</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1305386.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>08/20/2015 09:25</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>08/21/2015 22:24</u>
Sample wt/vol: <u>15.0318(g)</u>	Date Analyzed: <u>08/23/2015 11:29</u>
Con. Extract Vol.: <u>10 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	GC Column: <u>CLP-1</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>11.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318286</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.010	U	0.076	0.010
11104-28-2	Aroclor 1221	0.010	U	0.076	0.010
11141-16-5	Aroclor 1232	0.010	U	0.076	0.010
53469-21-9	Aroclor 1242	0.010	U	0.076	0.010
12672-29-6	Aroclor 1248	0.010	U	0.076	0.010
11097-69-1	Aroclor 1254	0.010	U	0.076	0.010
11096-82-5	Aroclor 1260	0.010	U	0.076	0.010
37324-23-5	Aroclor 1262	0.010	U	0.076	0.010
11100-14-4	Aroclor 1268	0.010	U	0.076	0.010
1336-36-3	Polychlorinated biphenyls, Total	0.010	U	0.076	0.010

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	138		30-150
877-09-8	Tetrachloro-m-xylene	140		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305386.D
 Lims ID: 460-99997-E-3-B Lab Sample ID: 460-99997-3
 Client ID: ES-3
 Sample Type: Client
 Inject. Date: 23-Aug-2015 11:29:05 ALS Bottle#: 15 Worklist Smp#: 15
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-015
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D

Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK034

First Level Reviewer: patelji Date: 23-Aug-2015 12:17:13

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.554	1.551	0.003	27313871	20.0
2	1.372	1.366	0.006	35512755	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.448	2.445	0.003	83613365	69.0
2	2.003	1.998	0.005	116049464	69.9

RPD = 1.40

\$ 11 DCB Decachlorobiphenyl

1	10.531	10.533	-0.002	60560365	67.0
2	9.052	9.049	0.003	114721584	68.9

RPD = 2.77

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305386.D

Injection Date: 23-Aug-2015 11:29:05

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-3-B

Lab Sample ID: 460-99997-3

Worklist Smp#: 15

Client ID: ES-3

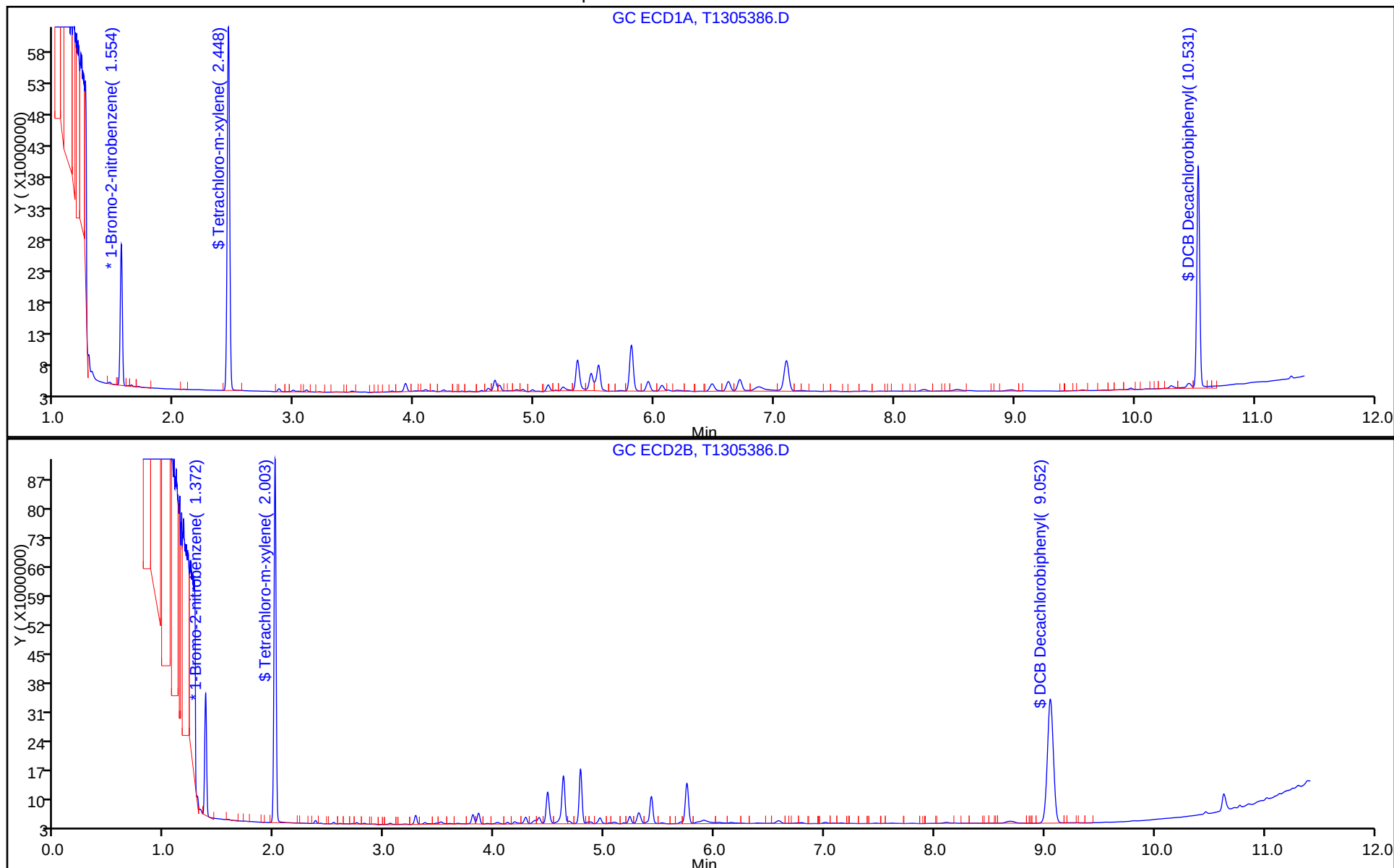
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 15

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Client Sample ID: ES-4 Lab Sample ID: 460-99997-4
Matrix: Solid Lab File ID: T1305387.D
Analysis Method: 8082A Date Collected: 08/20/2015 09:37
Extraction Method: 3546 Date Extracted: 08/21/2015 22:24
Sample wt/vol: 15.0127(g) Date Analyzed: 08/23/2015 11:43
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: 17.8 GPC Cleanup: (Y/N) N
Analysis Batch No.: 318286 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	112		30-150
877-09-8	Tetrachloro-m-xylene	114		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305387.D
 Lims ID: 460-99997-E-4-B Lab Sample ID: 460-99997-4
 Client ID: ES-4
 Sample Type: Client
 Inject. Date: 23-Aug-2015 11:43:37 ALS Bottle#: 16 Worklist Smp#: 16
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-016
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK034

First Level Reviewer: patelji

Date: 23-Aug-2015 12:17:05

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene M
 1 1.554 1.551 0.003 29045749 20.0
 2 1.370 1.366 0.004 38640934 20.0 M
 RPD = 0.00

\$ 2 Tetrachloro-m-xylene
 1 2.447 2.445 0.002 73689782 57.2
 2 2.002 1.998 0.004 102327220 56.7
 RPD = 0.84

\$ 11 DCB Decachlorobiphenyl M
 1 10.529 10.533 -0.004 54004440 56.2
 2 9.051 9.049 0.002 105578854 58.3 M
 RPD = 3.63

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305387.D

Injection Date: 23-Aug-2015 11:43:37

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-4-B

Lab Sample ID: 460-99997-4

Worklist Smp#: 16

Client ID: ES-4

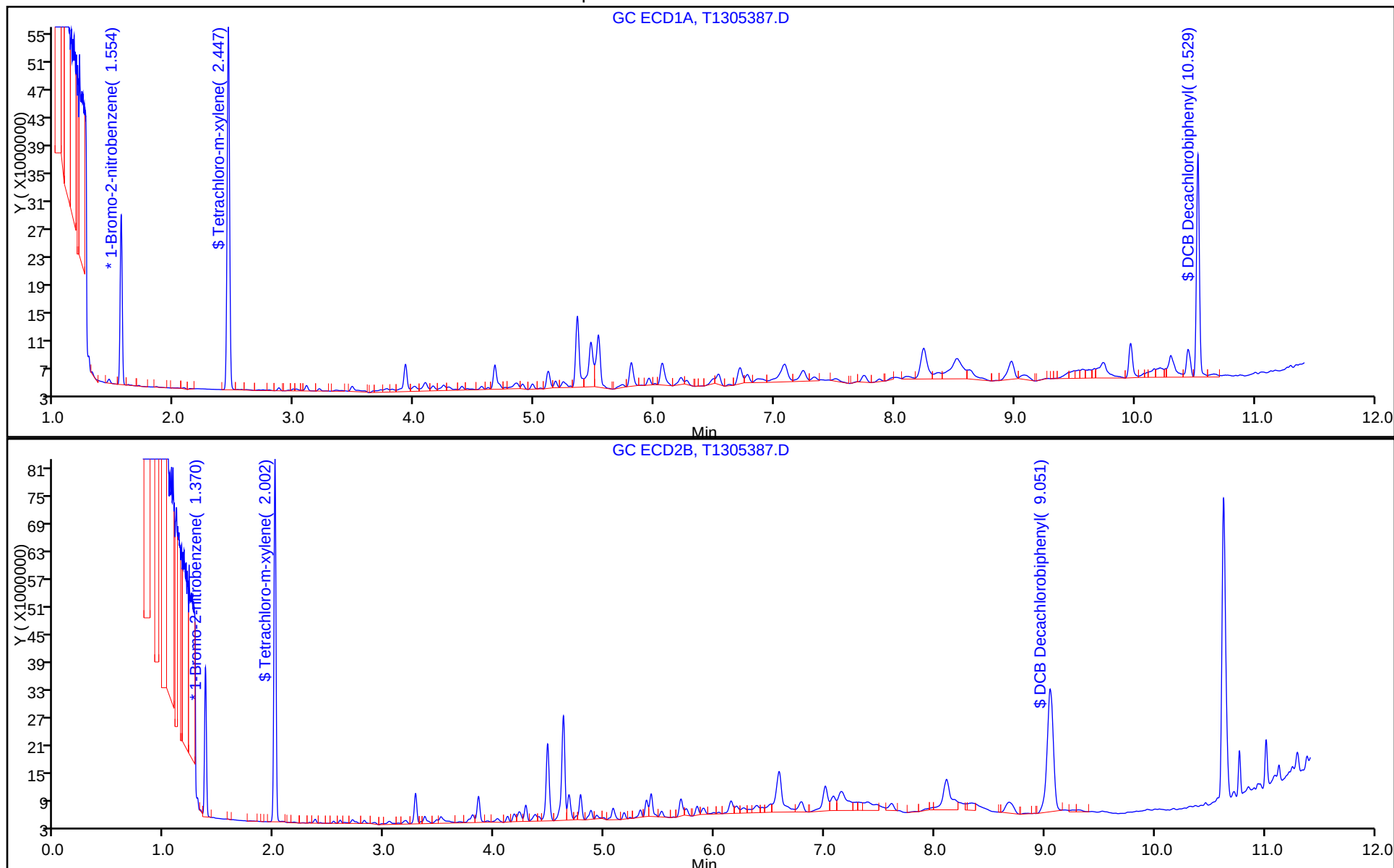
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 16

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-4</u>	Lab Sample ID: <u>460-99997-4</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1305387.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>08/20/2015 09:37</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>08/21/2015 22:24</u>
Sample wt/vol: <u>15.0127(g)</u>	Date Analyzed: <u>08/23/2015 11:43</u>
Con. Extract Vol.: <u>10 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	GC Column: <u>CLP-1</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>17.8</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318286</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.011	U	0.081	0.011
11104-28-2	Aroclor 1221	0.011	U	0.081	0.011
11141-16-5	Aroclor 1232	0.011	U	0.081	0.011
53469-21-9	Aroclor 1242	0.011	U	0.081	0.011
12672-29-6	Aroclor 1248	0.011	U	0.081	0.011
11097-69-1	Aroclor 1254	0.011	U	0.081	0.011
11096-82-5	Aroclor 1260	0.011	U	0.081	0.011
37324-23-5	Aroclor 1262	0.011	U	0.081	0.011
11100-14-4	Aroclor 1268	0.011	U	0.081	0.011
1336-36-3	Polychlorinated biphenyls, Total	0.011	U	0.081	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	117		30-150
877-09-8	Tetrachloro-m-xylene	113		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305387.D
 Lims ID: 460-99997-E-4-B Lab Sample ID: 460-99997-4
 Client ID: ES-4
 Sample Type: Client
 Inject. Date: 23-Aug-2015 11:43:37 ALS Bottle#: 16 Worklist Smp#: 16
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-016
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK034

First Level Reviewer: patelji

Date: 23-Aug-2015 12:17:05

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene M
 1 1.554 1.551 0.003 29045749 20.0
 2 1.370 1.366 0.004 38640934 20.0 M
 RPD = 0.00

\$ 2 Tetrachloro-m-xylene
 1 2.447 2.445 0.002 73689782 57.2
 2 2.002 1.998 0.004 102327220 56.7
 RPD = 0.84

\$ 11 DCB Decachlorobiphenyl M
 1 10.529 10.533 -0.004 54004440 56.2
 2 9.051 9.049 0.002 105578854 58.3 M
 RPD = 3.63

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305387.D

Injection Date: 23-Aug-2015 11:43:37

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-4-B

Lab Sample ID: 460-99997-4

Worklist Smp#: 16

Client ID: ES-4

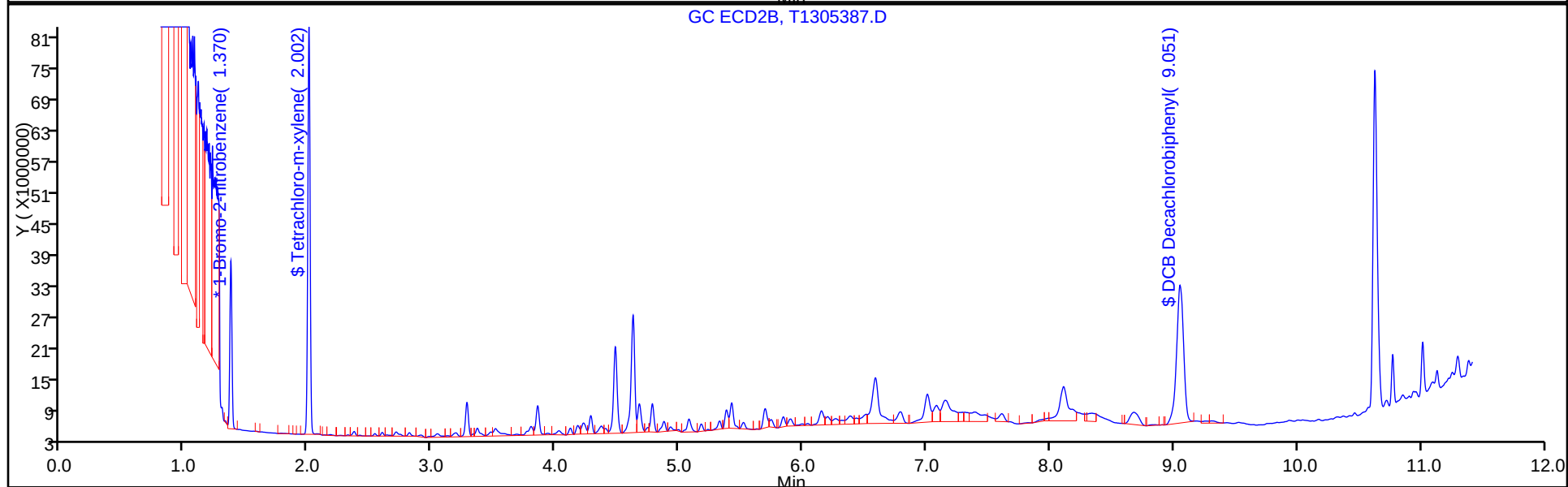
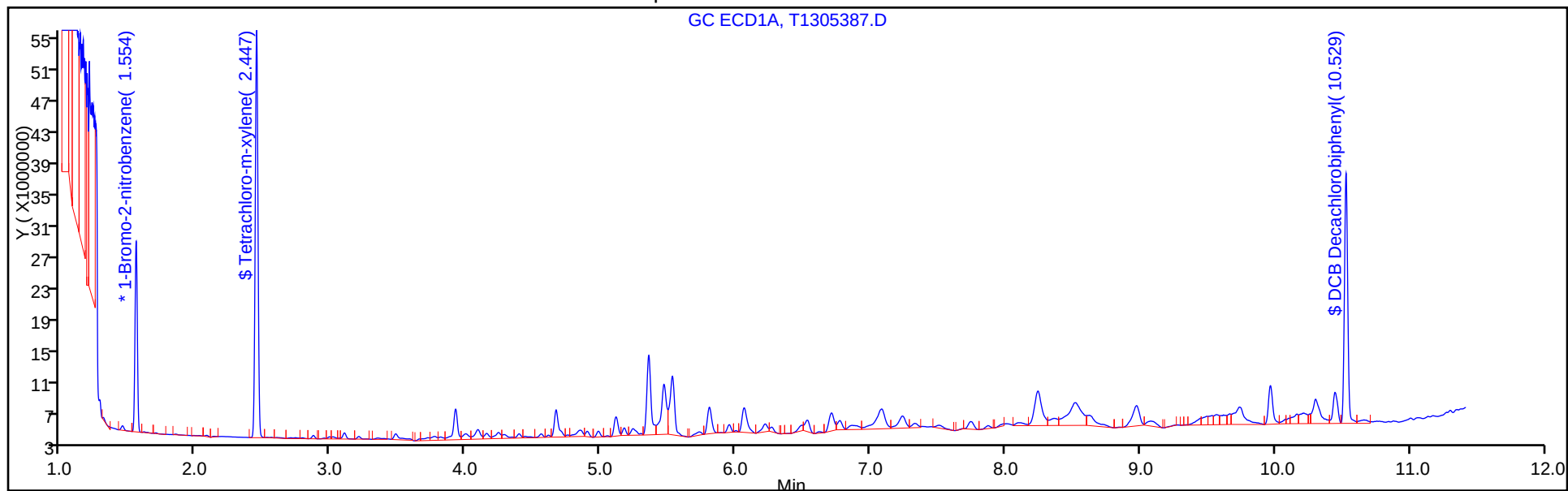
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 16

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305387.D

Injection Date: 23-Aug-2015 11:43:37

Instrument ID: CPESTGC11

Lims ID: 460-99997-E-4-B

Lab Sample ID: 460-99997-4

Client ID: ES-4

Operator ID:

ALS Bottle#: 16

Worklist Smp#: 16

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD

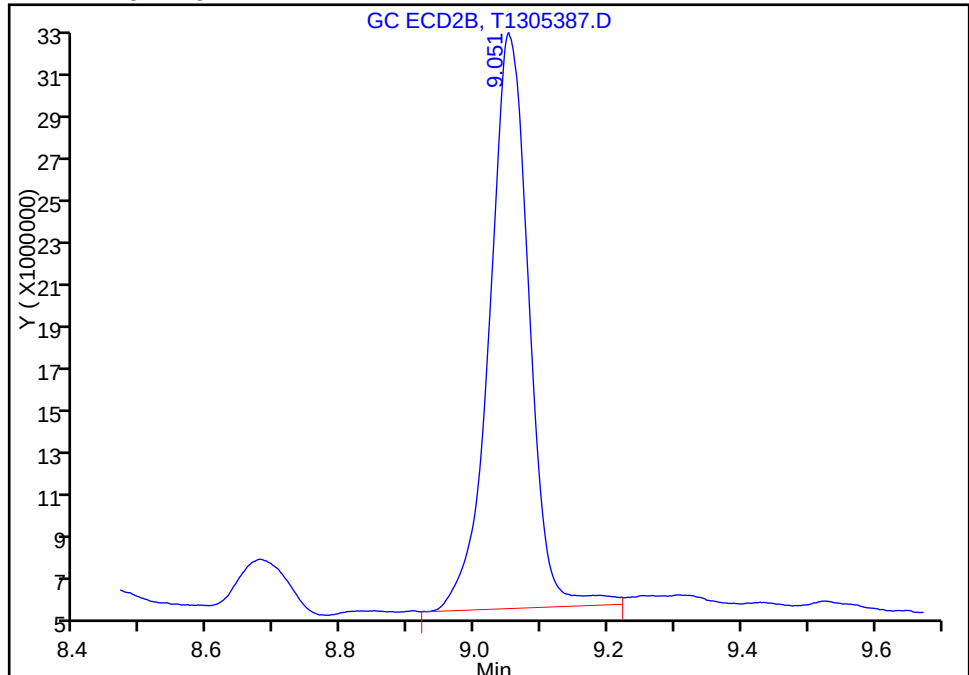
Column:

Detector GC ECD2B

\$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

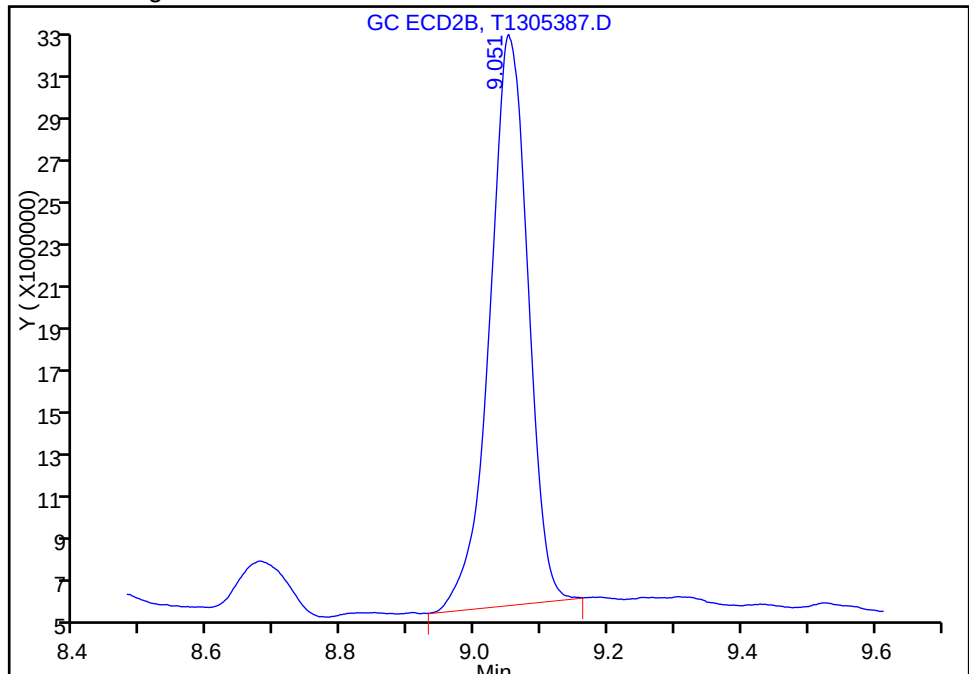
RT: 9.05
Area: 110029251
Amount: 60.723294
Amount Units: ug/l

Processing Integration Results



RT: 9.05
Area: 105578854
Amount: 58.267194
Amount Units: ug/l

Manual Integration Results



Reviewer: patelji, 23-Aug-2015 12:17:05
Audit Action: Manually Integrated
Audit Reason: Sample matrix interference

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Client Sample ID: ES-5 Lab Sample ID: 460-99997-5
Matrix: Solid Lab File ID: T1305388.D
Analysis Method: 8082A Date Collected: 08/20/2015 09:57
Extraction Method: 3546 Date Extracted: 08/21/2015 22:24
Sample wt/vol: 15.0215(g) Date Analyzed: 08/23/2015 11:58
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)
% Moisture: 21.0 GPC Cleanup: (Y/N) N
Analysis Batch No.: 318286 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	127		30-150
877-09-8	Tetrachloro-m-xylene	119		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305388.D
Lims ID: 460-99997-E-5-B Lab Sample ID: 460-99997-5
Client ID: ES-5
Sample Type: Client
Inject. Date: 23-Aug-2015 11:58:08 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0031018-017
Operator ID: Instrument ID: CPESTGC11
Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK034

First Level Reviewer: patelji Date: 23-Aug-2015 12:16:44

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.553	1.551	0.002	28993530	20.0
2	1.371	1.366	0.005	38204219	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.446	2.445	0.001	76541289	59.5
2	2.002	1.998	0.004	106737451	59.8

RPD = 0.54

\$ 11 DCB Decachlorobiphenyl

1	10.541	10.533	0.008	60790247	63.4
2	9.053	9.049	0.004	112607868	62.9

RPD = 0.81

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305388.D

Injection Date: 23-Aug-2015 11:58:08

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-5-B

Lab Sample ID: 460-99997-5

Worklist Smp#: 17

Client ID: ES-5

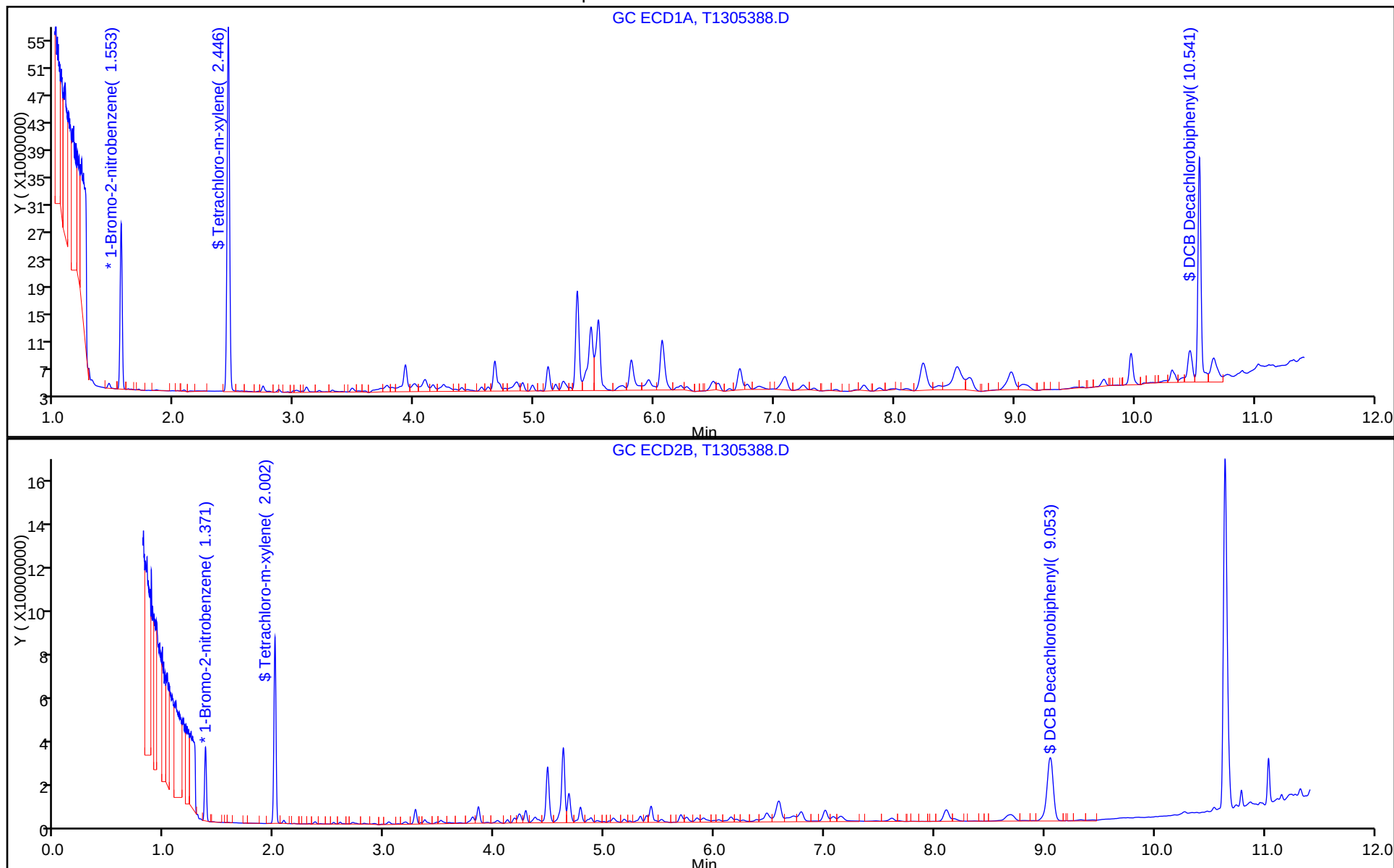
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 17

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-5</u>	Lab Sample ID: <u>460-99997-5</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1305388.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>08/20/2015 09:57</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>08/21/2015 22:24</u>
Sample wt/vol: <u>15.0215(g)</u>	Date Analyzed: <u>08/23/2015 11:58</u>
Con. Extract Vol.: <u>10(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	GC Column: <u>CLP-1</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>21.0</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318286</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.011	U	0.085	0.011
11104-28-2	Aroclor 1221	0.011	U	0.085	0.011
11141-16-5	Aroclor 1232	0.011	U	0.085	0.011
53469-21-9	Aroclor 1242	0.011	U	0.085	0.011
12672-29-6	Aroclor 1248	0.011	U	0.085	0.011
11097-69-1	Aroclor 1254	0.012	U	0.085	0.012
11096-82-5	Aroclor 1260	0.012	U	0.085	0.012
37324-23-5	Aroclor 1262	0.012	U	0.085	0.012
11100-14-4	Aroclor 1268	0.012	U	0.085	0.012
1336-36-3	Polychlorinated biphenyls, Total	0.012	U	0.085	0.012

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	126		30-150
877-09-8	Tetrachloro-m-xylene	120		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305388.D
 Lims ID: 460-99997-E-5-B Lab Sample ID: 460-99997-5
 Client ID: ES-5
 Sample Type: Client
 Inject. Date: 23-Aug-2015 11:58:08 ALS Bottle#: 17 Worklist Smp#: 17
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-017
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D

Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK034

First Level Reviewer: patelji Date: 23-Aug-2015 12:16:44

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.553	1.551	0.002	28993530	20.0
2	1.371	1.366	0.005	38204219	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.446	2.445	0.001	76541289	59.5
2	2.002	1.998	0.004	106737451	59.8

RPD = 0.54

\$ 11 DCB Decachlorobiphenyl

1	10.541	10.533	0.008	60790247	63.4
2	9.053	9.049	0.004	112607868	62.9

RPD = 0.81

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305388.D

Injection Date: 23-Aug-2015 11:58:08

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-5-B

Lab Sample ID: 460-99997-5

Worklist Smp#: 17

Client ID: ES-5

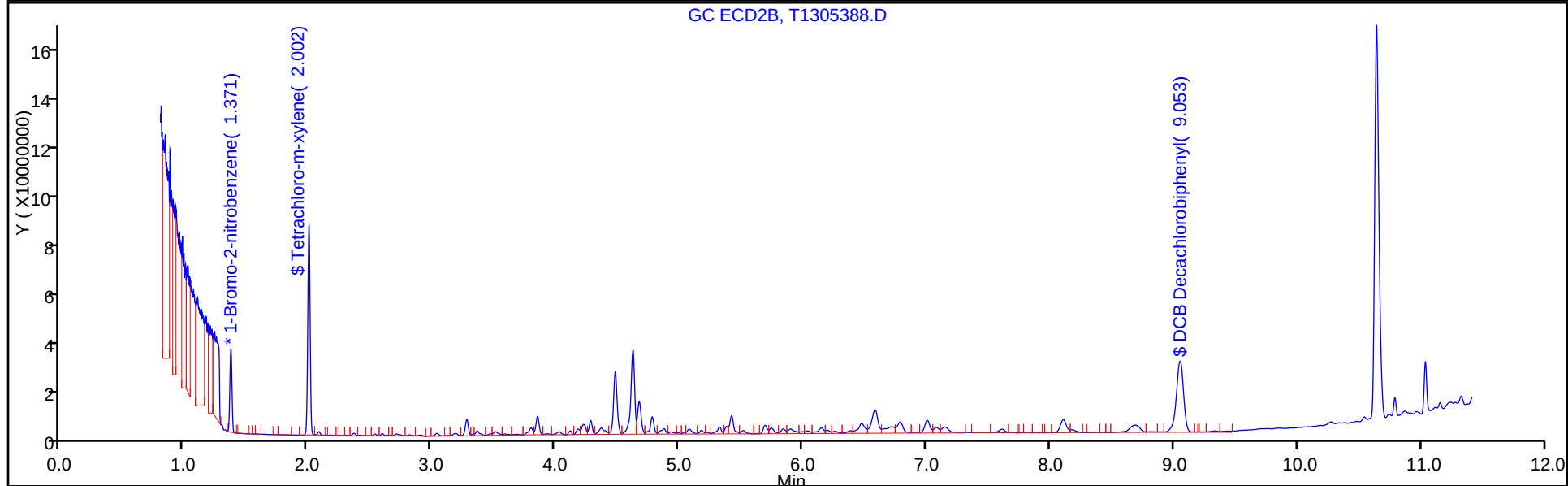
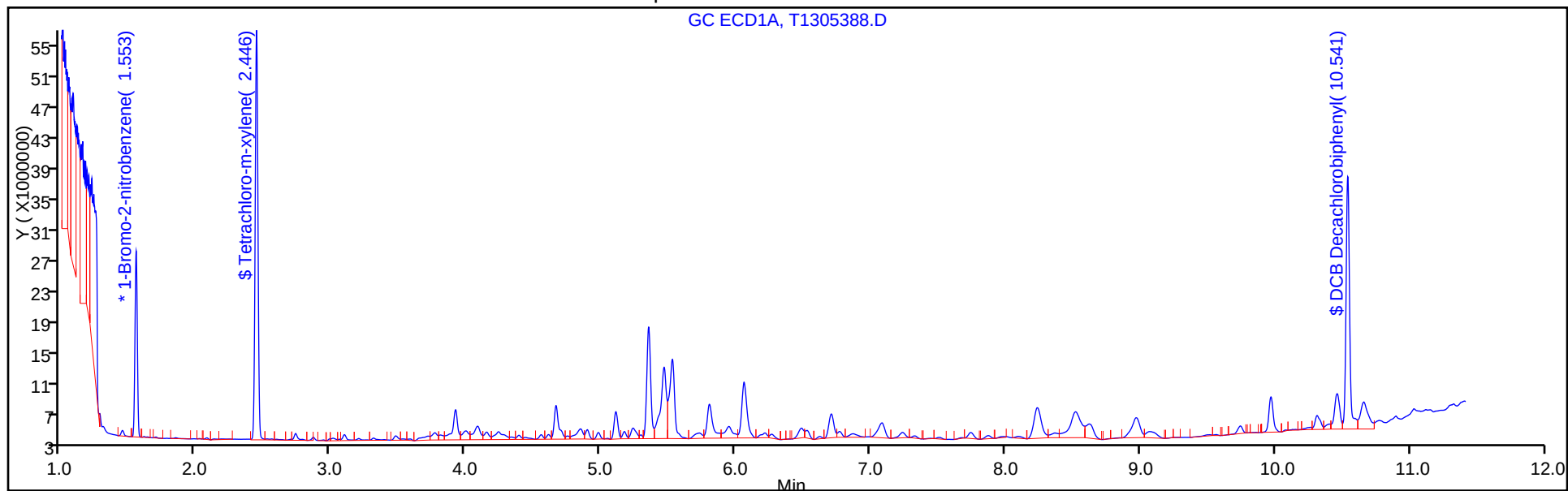
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 17

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Client Sample ID: ES-6 Lab Sample ID: 460-99997-6
Matrix: Solid Lab File ID: T1305389.D
Analysis Method: 8082A Date Collected: 08/20/2015 10:10
Extraction Method: 3546 Date Extracted: 08/21/2015 22:24
Sample wt/vol: 15.0122(g) Date Analyzed: 08/23/2015 12:12
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)
% Moisture: 15.6 GPC Cleanup: (Y/N) N
Analysis Batch No.: 318286 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	133		30-150
877-09-8	Tetrachloro-m-xylene	138		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305389.D
 Lims ID: 460-99997-E-6-B Lab Sample ID: 460-99997-6
 Client ID: ES-6
 Sample Type: Client
 Inject. Date: 23-Aug-2015 12:12:41 ALS Bottle#: 18 Worklist Smp#: 18
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-018
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D

Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK034

First Level Reviewer: patelji Date: 23-Aug-2015 12:37:57

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.554	1.551	0.003	28757823	20.0
2	1.371	1.366	0.005	36574503	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.447	2.445	0.002	88089233	69.0
2	2.002	1.998	0.004	121799511	71.3

RPD = 3.23

\$ 11 DCB Decachlorobiphenyl

1	10.536	10.533	0.003	63261354	66.5
2	9.050	9.049	0.001	122884820	71.6

RPD = 7.48

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305389.D

Injection Date: 23-Aug-2015 12:12:41

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-6-B

Lab Sample ID: 460-99997-6

Worklist Smp#: 18

Client ID: ES-6

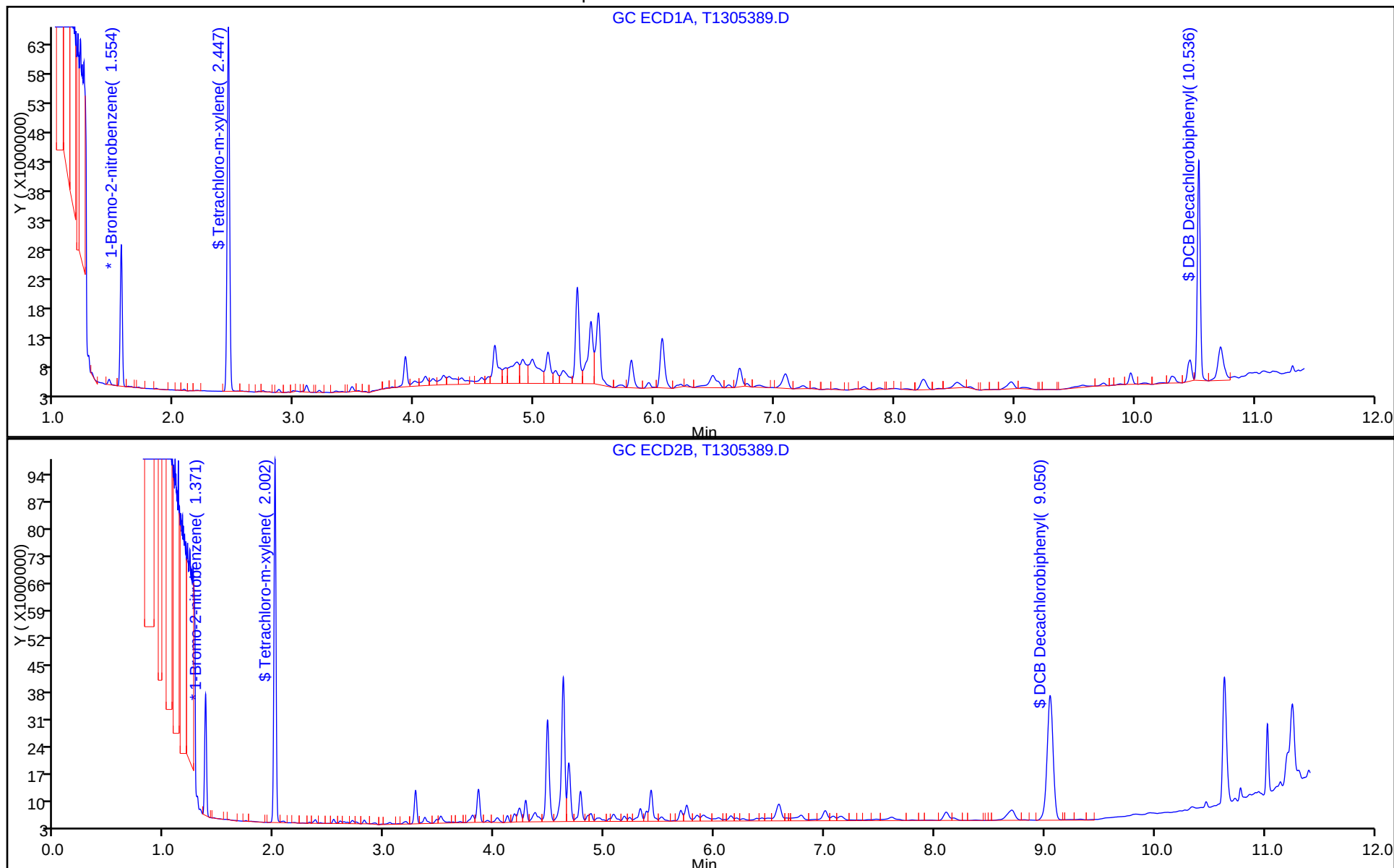
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 18

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-6</u>	Lab Sample ID: <u>460-99997-6</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1305389.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>08/20/2015 10:10</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>08/21/2015 22:24</u>
Sample wt/vol: <u>15.0122(g)</u>	Date Analyzed: <u>08/23/2015 12:12</u>
Con. Extract Vol.: <u>10(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	GC Column: <u>CLP-1</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>15.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318286</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.011	U	0.079	0.011
11104-28-2	Aroclor 1221	0.011	U	0.079	0.011
11141-16-5	Aroclor 1232	0.011	U	0.079	0.011
53469-21-9	Aroclor 1242	0.011	U	0.079	0.011
12672-29-6	Aroclor 1248	0.011	U	0.079	0.011
11097-69-1	Aroclor 1254	0.011	U	0.079	0.011
11096-82-5	Aroclor 1260	0.011	U	0.079	0.011
37324-23-5	Aroclor 1262	0.011	U	0.079	0.011
11100-14-4	Aroclor 1268	0.011	U	0.079	0.011
1336-36-3	Polychlorinated biphenyls, Total	0.011	U	0.079	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	143		30-150
877-09-8	Tetrachloro-m-xylene	143		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305389.D
Lims ID: 460-99997-E-6-B Lab Sample ID: 460-99997-6
Client ID: ES-6
Sample Type: Client
Inject. Date: 23-Aug-2015 12:12:41 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0031018-018
Operator ID: Instrument ID: CPESTGC11
Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK034

First Level Reviewer: patelji Date: 23-Aug-2015 12:37:57

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.554	1.551	0.003	28757823	20.0
2	1.371	1.366	0.005	36574503	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.447	2.445	0.002	88089233	69.0
2	2.002	1.998	0.004	121799511	71.3

RPD = 3.23

\$ 11 DCB Decachlorobiphenyl

1	10.536	10.533	0.003	63261354	66.5
2	9.050	9.049	0.001	122884820	71.6

RPD = 7.48

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305389.D

Injection Date: 23-Aug-2015 12:12:41

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-6-B

Lab Sample ID: 460-99997-6

Worklist Smp#: 18

Client ID: ES-6

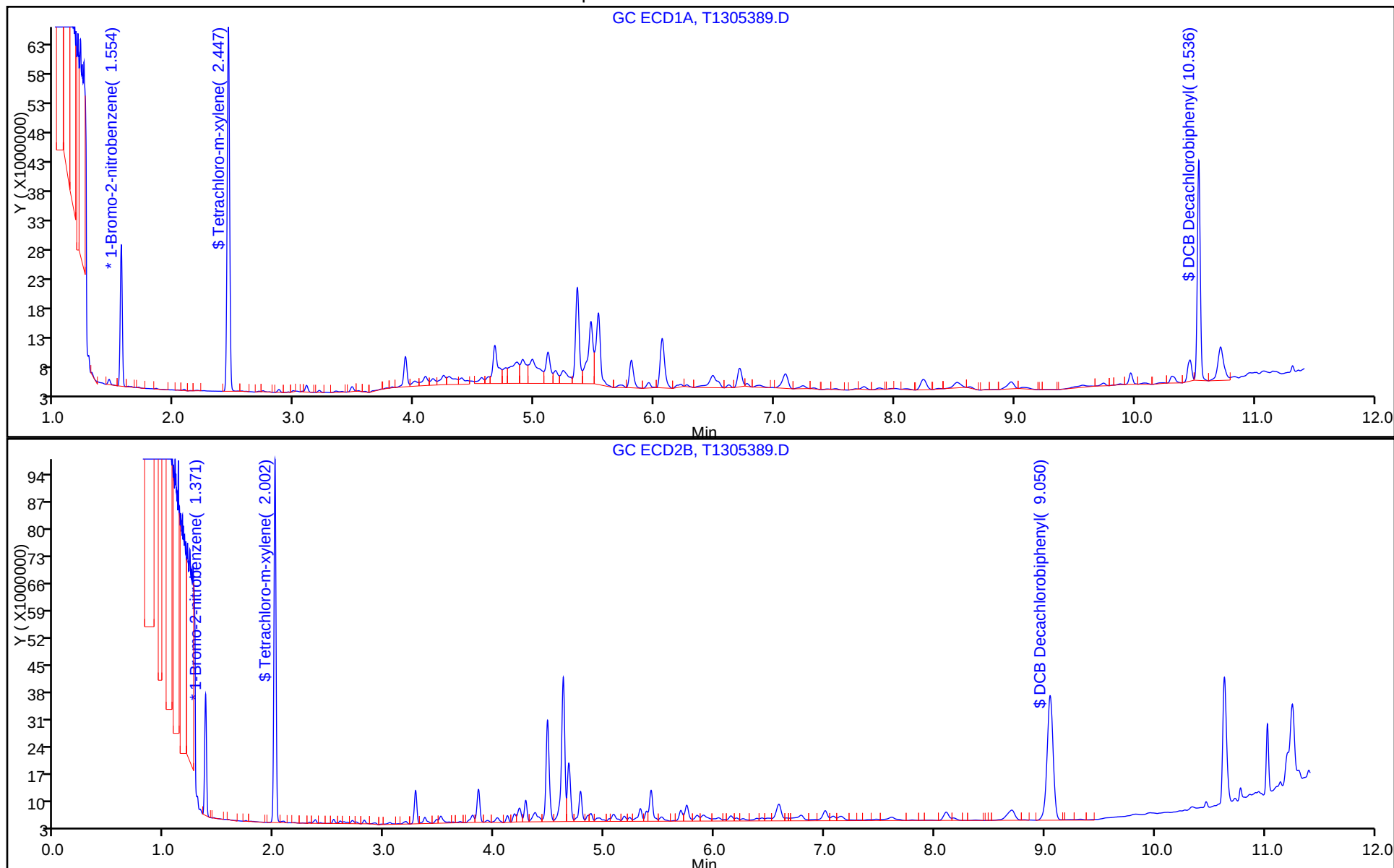
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 18

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Client Sample ID: ES-7 Lab Sample ID: 460-99997-7
Matrix: Solid Lab File ID: T1305390.D
Analysis Method: 8082A Date Collected: 08/20/2015 10:35
Extraction Method: 3546 Date Extracted: 08/21/2015 22:24
Sample wt/vol: 15.0317(g) Date Analyzed: 08/23/2015 12:27
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: 14.9 GPC Cleanup: (Y/N) N
Analysis Batch No.: 318286 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	110		30-150
877-09-8	Tetrachloro-m-xylene	114		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305390.D
 Lims ID: 460-99997-E-7-B Lab Sample ID: 460-99997-7
 Client ID: ES-7
 Sample Type: Client
 Inject. Date: 23-Aug-2015 12:27:12 ALS Bottle#: 19 Worklist Smp#: 19
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-019
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D

Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK034

First Level Reviewer: patelji Date: 23-Aug-2015 13:21:04

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.553	1.551	0.002	29030002	20.0
2	1.371	1.366	0.005	39628151	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.447	2.445	0.002	73183780	56.8
2	2.002	1.998	0.004	103258585	55.8

RPD = 1.83

\$ 11 DCB Decachlorobiphenyl

1	10.538	10.533	0.005	52748625	54.9
2	9.052	9.049	0.003	103915673	55.9

RPD = 1.82

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305390.D

Injection Date: 23-Aug-2015 12:27:12

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-7-B

Lab Sample ID: 460-99997-7

Worklist Smp#: 19

Client ID: ES-7

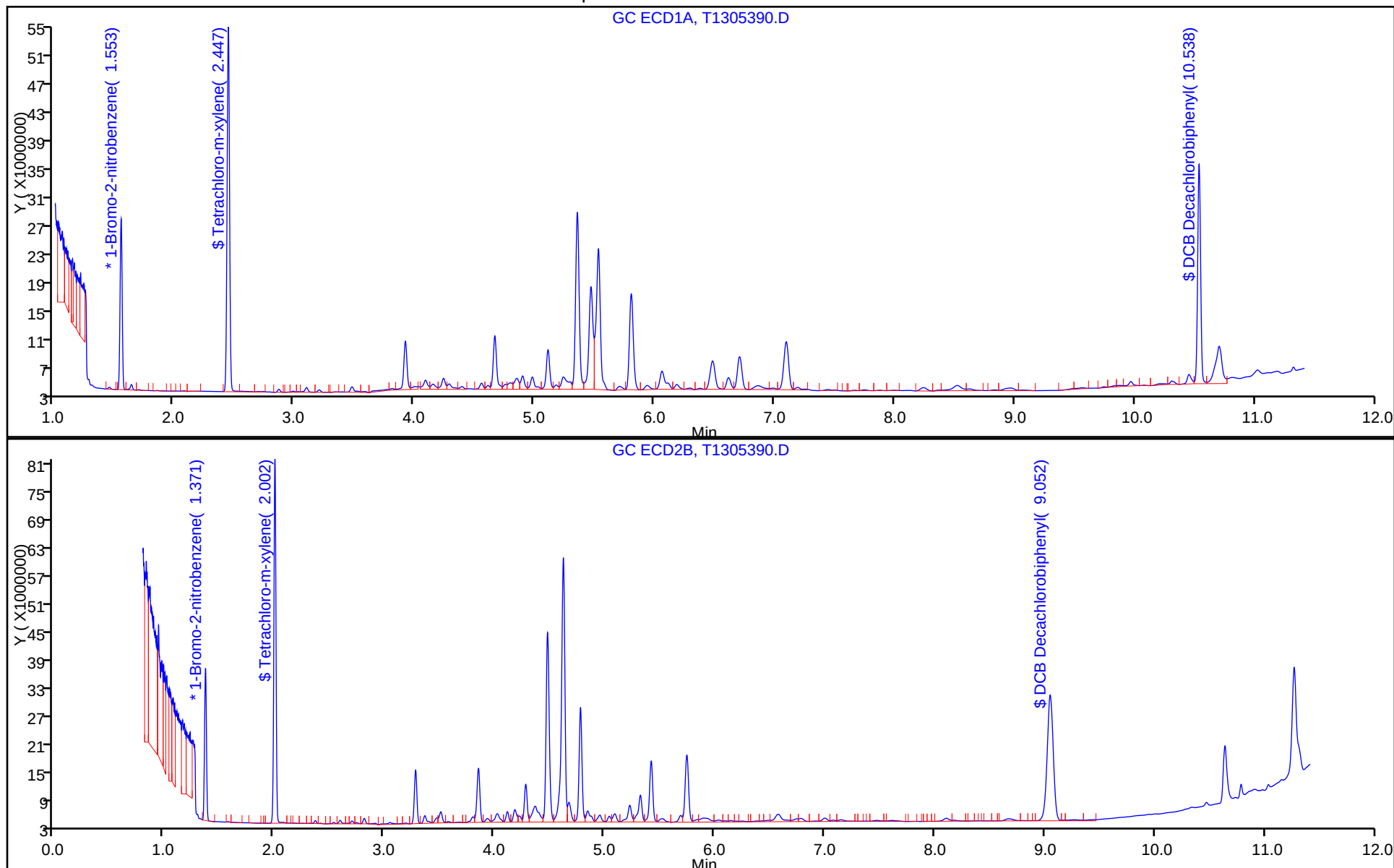
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 19

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-7</u>	Lab Sample ID: <u>460-99997-7</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1305390.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>08/20/2015 10:35</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>08/21/2015 22:24</u>
Sample wt/vol: <u>15.0317(g)</u>	Date Analyzed: <u>08/23/2015 12:27</u>
Con. Extract Vol.: <u>10 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	GC Column: <u>CLP-1</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>14.9</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318286</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.010	U	0.079	0.010
11104-28-2	Aroclor 1221	0.010	U	0.079	0.010
11141-16-5	Aroclor 1232	0.010	U	0.079	0.010
53469-21-9	Aroclor 1242	0.010	U	0.079	0.010
12672-29-6	Aroclor 1248	0.010	U	0.079	0.010
11097-69-1	Aroclor 1254	0.011	U	0.079	0.011
11096-82-5	Aroclor 1260	0.011	U	0.079	0.011
37324-23-5	Aroclor 1262	0.011	U	0.079	0.011
11100-14-4	Aroclor 1268	0.011	U	0.079	0.011
1336-36-3	Polychlorinated biphenyls, Total	0.011	U	0.079	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	112		30-150
877-09-8	Tetrachloro-m-xylene	112		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305390.D
 Lims ID: 460-99997-E-7-B Lab Sample ID: 460-99997-7
 Client ID: ES-7
 Sample Type: Client
 Inject. Date: 23-Aug-2015 12:27:12 ALS Bottle#: 19 Worklist Smp#: 19
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-019
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D

Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK034

First Level Reviewer: patelji Date: 23-Aug-2015 13:21:04

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.553	1.551	0.002	29030002	20.0
2	1.371	1.366	0.005	39628151	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.447	2.445	0.002	73183780	56.8
2	2.002	1.998	0.004	103258585	55.8

RPD = 1.83

\$ 11 DCB Decachlorobiphenyl

1	10.538	10.533	0.005	52748625	54.9
2	9.052	9.049	0.003	103915673	55.9

RPD = 1.82

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305390.D

Injection Date: 23-Aug-2015 12:27:12

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-7-B

Lab Sample ID: 460-99997-7

Worklist Smp#: 19

Client ID: ES-7

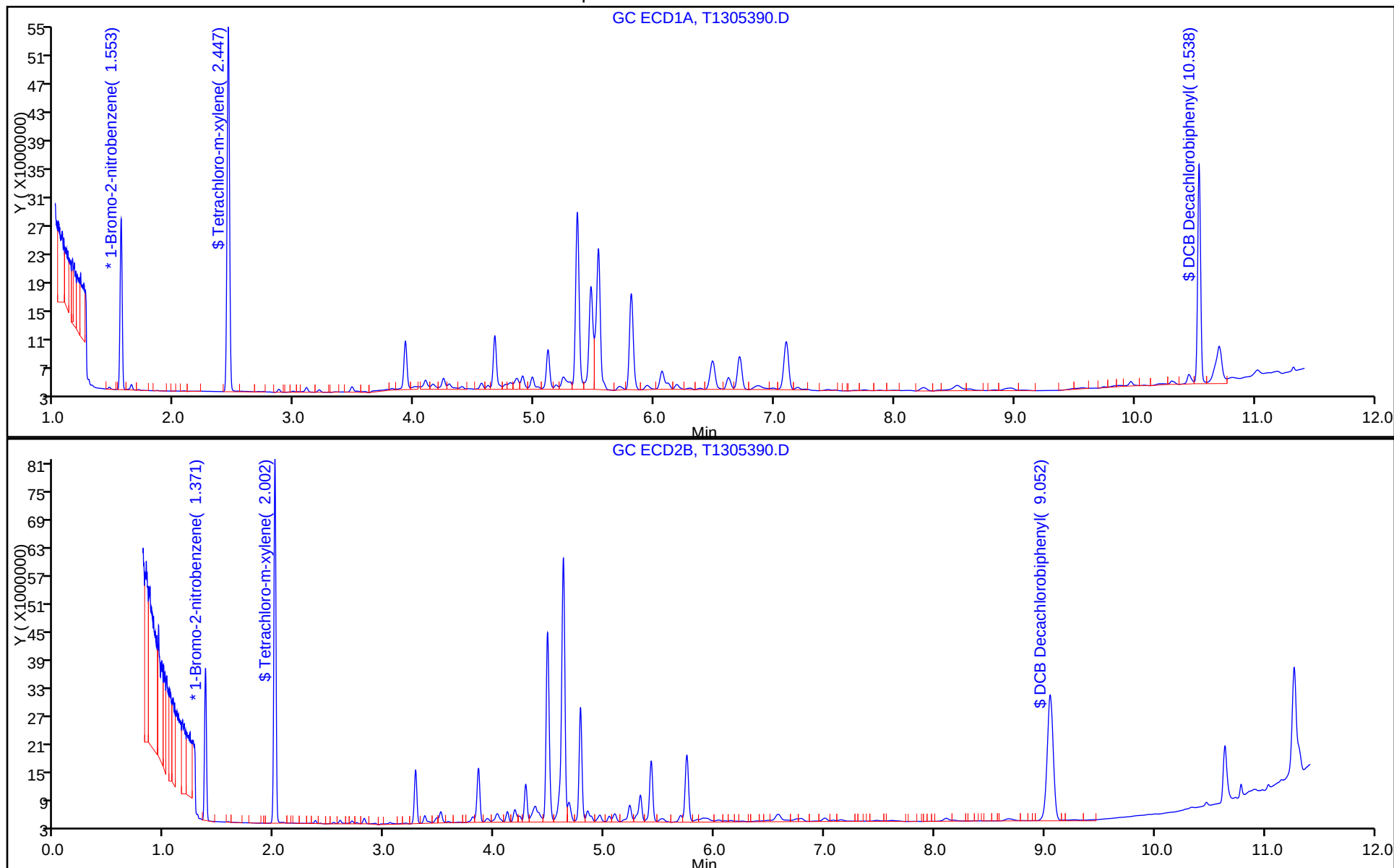
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 19

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Client Sample ID: ES-8 Lab Sample ID: 460-99997-8
Matrix: Solid Lab File ID: T1305391.D
Analysis Method: 8082A Date Collected: 08/20/2015 10:58
Extraction Method: 3546 Date Extracted: 08/21/2015 22:24
Sample wt/vol: 15.0214(g) Date Analyzed: 08/23/2015 12:41
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)
% Moisture: 18.9 GPC Cleanup: (Y/N) N
Analysis Batch No.: 318286 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	82		30-150
877-09-8	Tetrachloro-m-xylene	85		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305391.D
 Lims ID: 460-99997-E-8-B Lab Sample ID: 460-99997-8
 Client ID: ES-8
 Sample Type: Client
 Inject. Date: 23-Aug-2015 12:41:45 ALS Bottle#: 20 Worklist Smp#: 20
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-020
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D

Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK034

First Level Reviewer: patelji Date: 23-Aug-2015 13:20:58

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.553	1.551	0.002	32328145	20.0
2	1.370	1.366	0.004	42600090	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.446	2.445	0.001	61091571	42.6
2	2.001	1.998	0.003	84166981	42.3

RPD = 0.68

\$ 11 DCB Decachlorobiphenyl

1	10.541	10.533	0.008	43671459	40.8
2	9.052	9.049	0.003	86895855	43.5

RPD = 6.34

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305391.D

Injection Date: 23-Aug-2015 12:41:45

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-8-B

Lab Sample ID: 460-99997-8

Worklist Smp#: 20

Client ID: ES-8

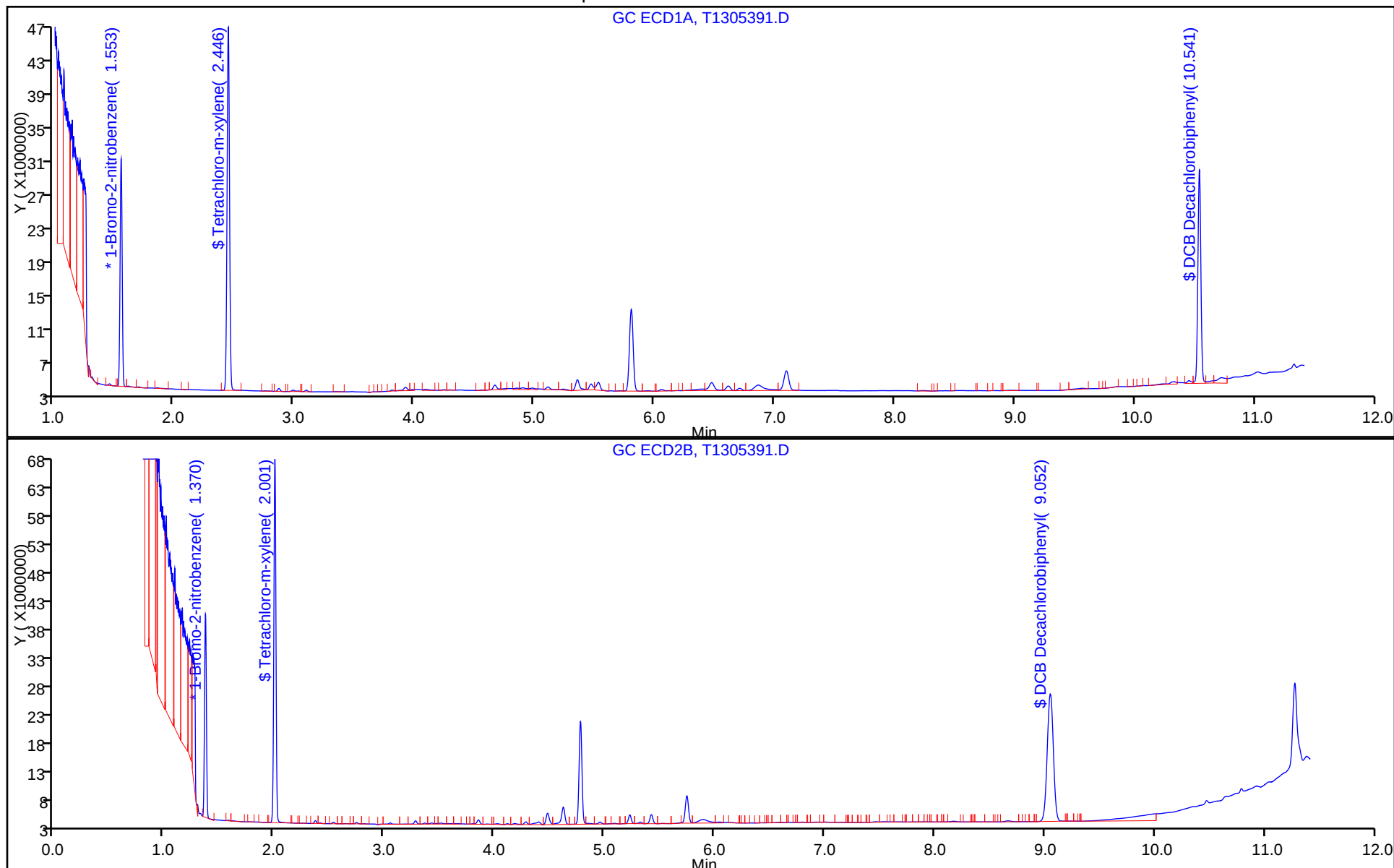
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 20

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-8</u>	Lab Sample ID: <u>460-99997-8</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1305391.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>08/20/2015 10:58</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>08/21/2015 22:24</u>
Sample wt/vol: <u>15.0214(g)</u>	Date Analyzed: <u>08/23/2015 12:41</u>
Con. Extract Vol.: <u>10(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	GC Column: <u>CLP-1</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>18.9</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318286</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.011	U	0.082	0.011
11104-28-2	Aroclor 1221	0.011	U	0.082	0.011
11141-16-5	Aroclor 1232	0.011	U	0.082	0.011
53469-21-9	Aroclor 1242	0.011	U	0.082	0.011
12672-29-6	Aroclor 1248	0.011	U	0.082	0.011
11097-69-1	Aroclor 1254	0.011	U	0.082	0.011
11096-82-5	Aroclor 1260	0.011	U	0.082	0.011
37324-23-5	Aroclor 1262	0.011	U	0.082	0.011
11100-14-4	Aroclor 1268	0.011	U	0.082	0.011
1336-36-3	Polychlorinated biphenyls, Total	0.011	U	0.082	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	87		30-150
877-09-8	Tetrachloro-m-xylene	85		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305391.D
Lims ID: 460-99997-E-8-B Lab Sample ID: 460-99997-8
Client ID: ES-8
Sample Type: Client
Inject. Date: 23-Aug-2015 12:41:45 ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0031018-020
Operator ID: Instrument ID: CPESTGC11
Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK034

First Level Reviewer: patelji Date: 23-Aug-2015 13:20:58

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.553	1.551	0.002	32328145	20.0
2	1.370	1.366	0.004	42600090	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.446	2.445	0.001	61091571	42.6
2	2.001	1.998	0.003	84166981	42.3

RPD = 0.68

\$ 11 DCB Decachlorobiphenyl

1	10.541	10.533	0.008	43671459	40.8
2	9.052	9.049	0.003	86895855	43.5

RPD = 6.34

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305391.D

Injection Date: 23-Aug-2015 12:41:45

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-8-B

Lab Sample ID: 460-99997-8

Worklist Smp#: 20

Client ID: ES-8

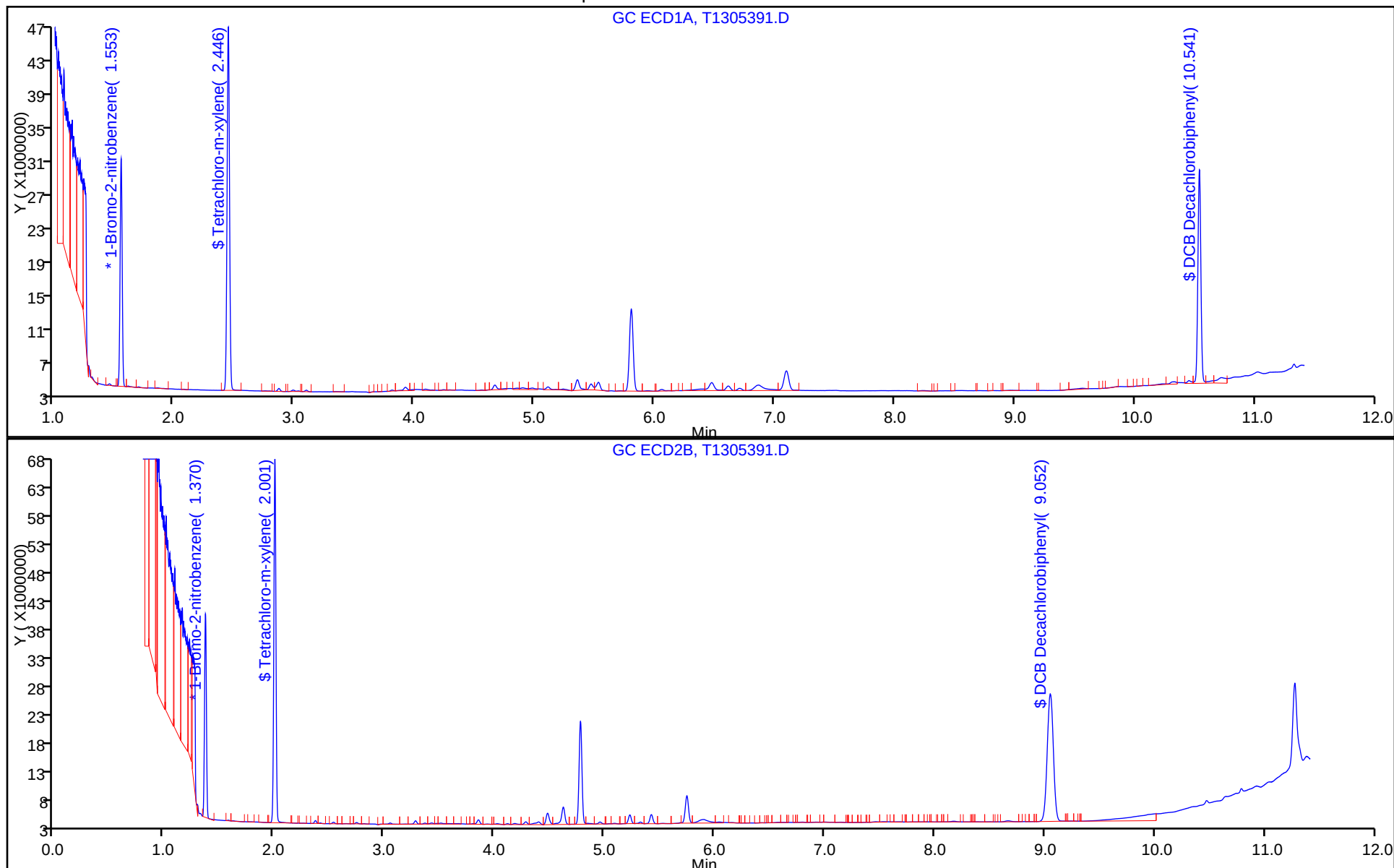
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 20

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Client Sample ID: ES-9 Lab Sample ID: 460-99997-9
Matrix: Solid Lab File ID: T1305392.D
Analysis Method: 8082A Date Collected: 08/20/2015 11:20
Extraction Method: 3546 Date Extracted: 08/21/2015 22:24
Sample wt/vol: 15.0326(g) Date Analyzed: 08/23/2015 12:56
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: 17.7 GPC Cleanup: (Y/N) N
Analysis Batch No.: 318286 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	102		30-150
877-09-8	Tetrachloro-m-xylene	94		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305392.D
 Lims ID: 460-99997-E-9-B Lab Sample ID: 460-99997-9
 Client ID: ES-9
 Sample Type: Client
 Inject. Date: 23-Aug-2015 12:56:14 ALS Bottle#: 21 Worklist Smp#: 21
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-021
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D

Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK034

First Level Reviewer: patelji Date: 23-Aug-2015 13:20:54

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.553	1.551	0.002	31577021	20.0
2	1.370	1.366	0.004	41394671	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.446	2.445	0.001	66010582	47.1
2	2.002	1.998	0.004	91261454	47.2

RPD = 0.19

\$ 11 DCB Decachlorobiphenyl

1	10.537	10.533	0.004	53494389	51.2
2	9.053	9.049	0.004	102695037	52.9

RPD = 3.28

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305392.D

Injection Date: 23-Aug-2015 12:56:14

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-9-B

Lab Sample ID: 460-99997-9

Worklist Smp#: 21

Client ID: ES-9

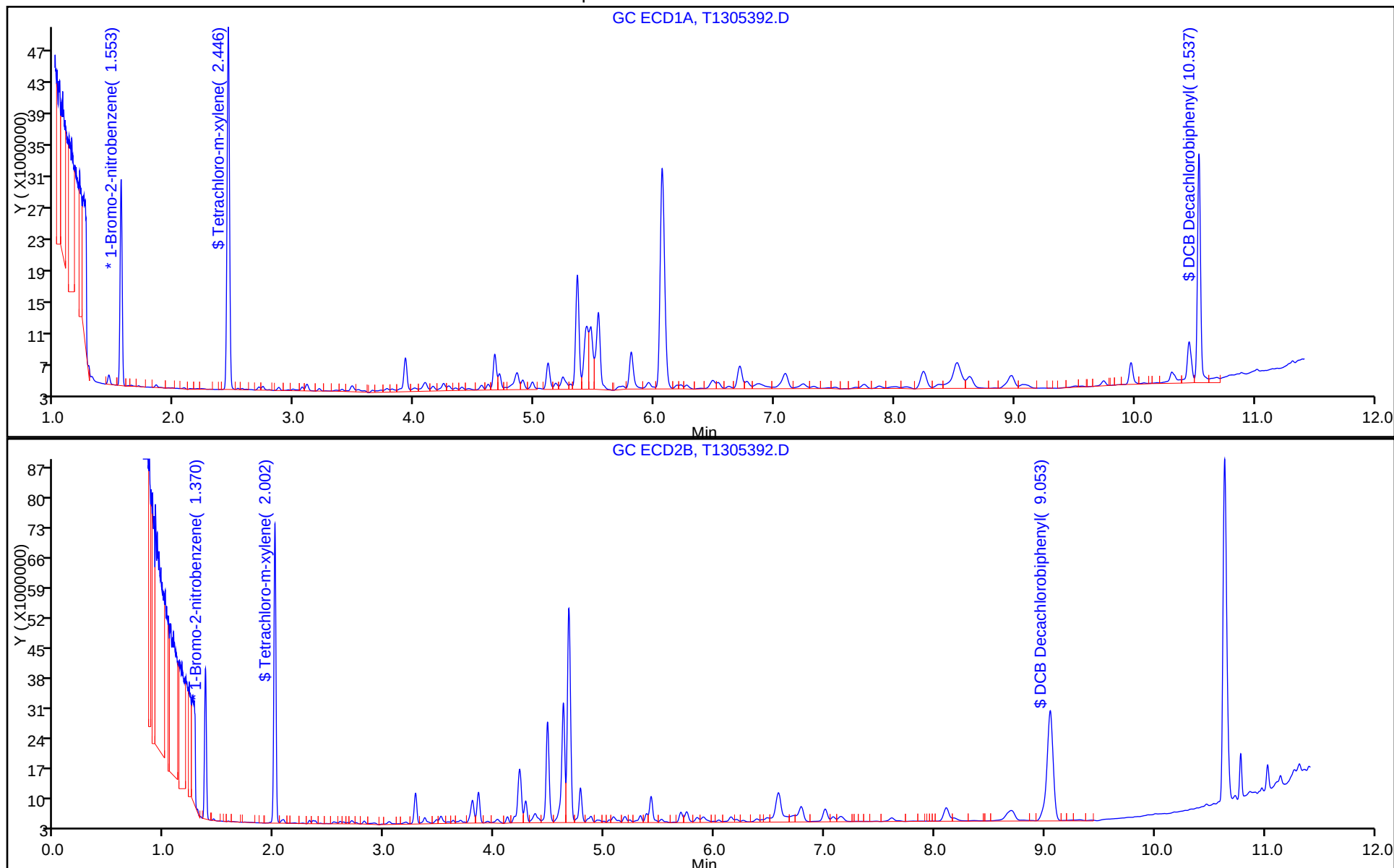
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 21

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-9</u>	Lab Sample ID: <u>460-99997-9</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1305392.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>08/20/2015 11:20</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>08/21/2015 22:24</u>
Sample wt/vol: <u>15.0326(g)</u>	Date Analyzed: <u>08/23/2015 12:56</u>
Con. Extract Vol.: <u>10 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	GC Column: <u>CLP-1</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>17.7</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318286</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.011	U	0.081	0.011
11104-28-2	Aroclor 1221	0.011	U	0.081	0.011
11141-16-5	Aroclor 1232	0.011	U	0.081	0.011
53469-21-9	Aroclor 1242	0.011	U	0.081	0.011
12672-29-6	Aroclor 1248	0.011	U	0.081	0.011
11097-69-1	Aroclor 1254	0.011	U	0.081	0.011
11096-82-5	Aroclor 1260	0.011	U	0.081	0.011
37324-23-5	Aroclor 1262	0.011	U	0.081	0.011
11100-14-4	Aroclor 1268	0.011	U	0.081	0.011
1336-36-3	Polychlorinated biphenyls, Total	0.011	U	0.081	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	106		30-150
877-09-8	Tetrachloro-m-xylene	94		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305392.D
 Lims ID: 460-99997-E-9-B Lab Sample ID: 460-99997-9
 Client ID: ES-9
 Sample Type: Client
 Inject. Date: 23-Aug-2015 12:56:14 ALS Bottle#: 21 Worklist Smp#: 21
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-021
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D

Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK034

First Level Reviewer: patelji Date: 23-Aug-2015 13:20:54

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.553	1.551	0.002	31577021	20.0
2	1.370	1.366	0.004	41394671	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.446	2.445	0.001	66010582	47.1
2	2.002	1.998	0.004	91261454	47.2

RPD = 0.19

\$ 11 DCB Decachlorobiphenyl

1	10.537	10.533	0.004	53494389	51.2
2	9.053	9.049	0.004	102695037	52.9

RPD = 3.28

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305392.D

Injection Date: 23-Aug-2015 12:56:14

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-9-B

Lab Sample ID: 460-99997-9

Worklist Smp#: 21

Client ID: ES-9

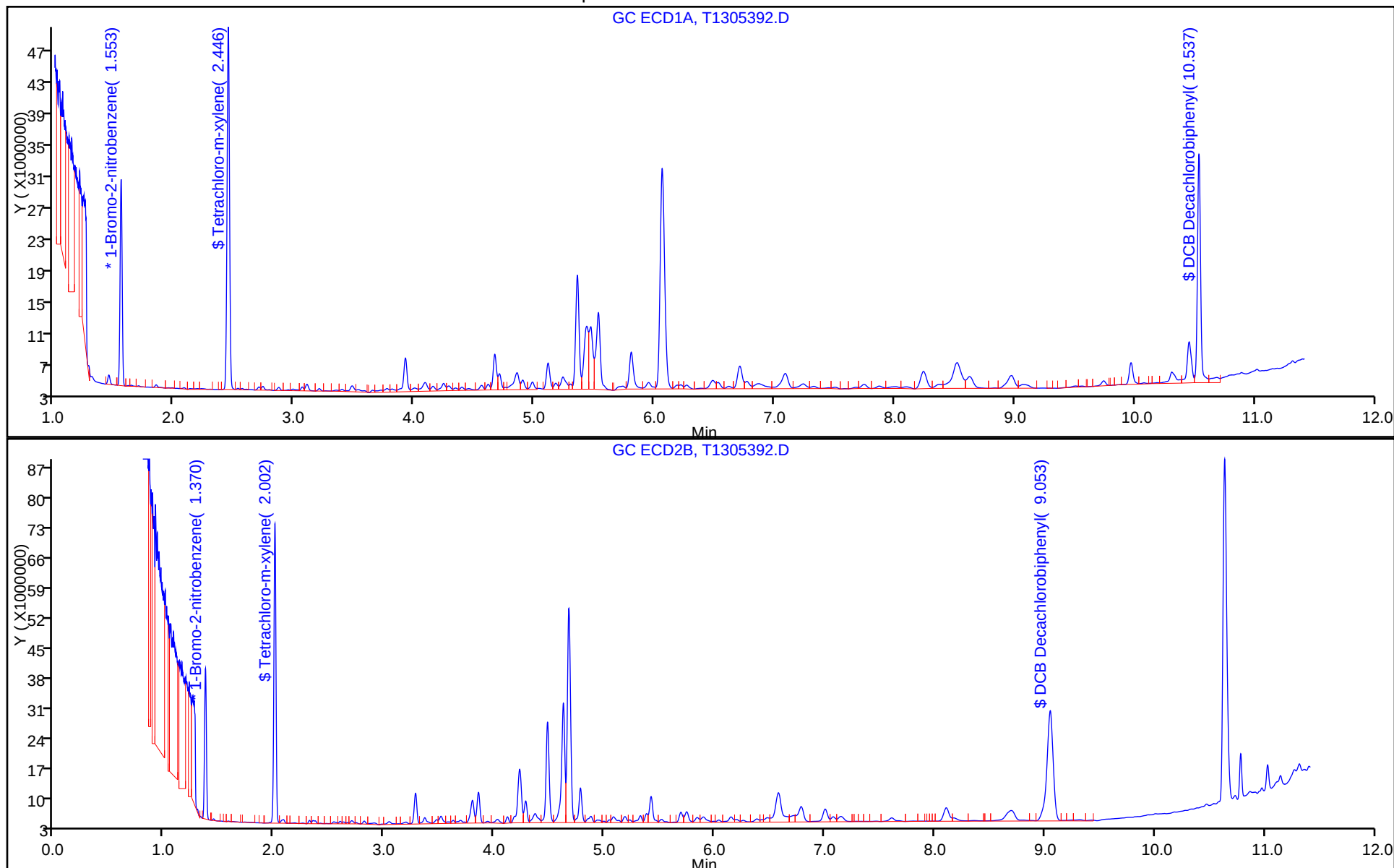
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 21

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Client Sample ID: ES-10 Lab Sample ID: 460-99997-10
Matrix: Solid Lab File ID: T1305393.D
Analysis Method: 8082A Date Collected: 08/20/2015 11:35
Extraction Method: 3546 Date Extracted: 08/21/2015 22:24
Sample wt/vol: 15.0214(g) Date Analyzed: 08/23/2015 13:10
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)
% Moisture: 20.6 GPC Cleanup: (Y/N) N
Analysis Batch No.: 318286 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	104		30-150
877-09-8	Tetrachloro-m-xylene	109		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305393.D
 Lims ID: 460-99997-E-10-B Lab Sample ID: 460-99997-10
 Client ID: ES-10
 Sample Type: Client
 Inject. Date: 23-Aug-2015 13:10:47 ALS Bottle#: 22 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-022
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D

Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK034

First Level Reviewer: patelji Date: 24-Aug-2015 09:23:47

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.554	1.551	0.003	30309572	20.0
2	1.371	1.366	0.005	39648162	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.447	2.445	0.002	73378486	54.5
2	2.002	1.998	0.004	101010967	54.5

RPD = 0.03

\$ 11 DCB Decachlorobiphenyl

1	10.535	10.533	0.002	52017270	51.9
2	9.055	9.049	0.006	106612206	57.3

RPD = 10.03

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305393.D

Injection Date: 23-Aug-2015 13:10:47

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-10-B

Lab Sample ID: 460-99997-10

Worklist Smp#: 22

Client ID: ES-10

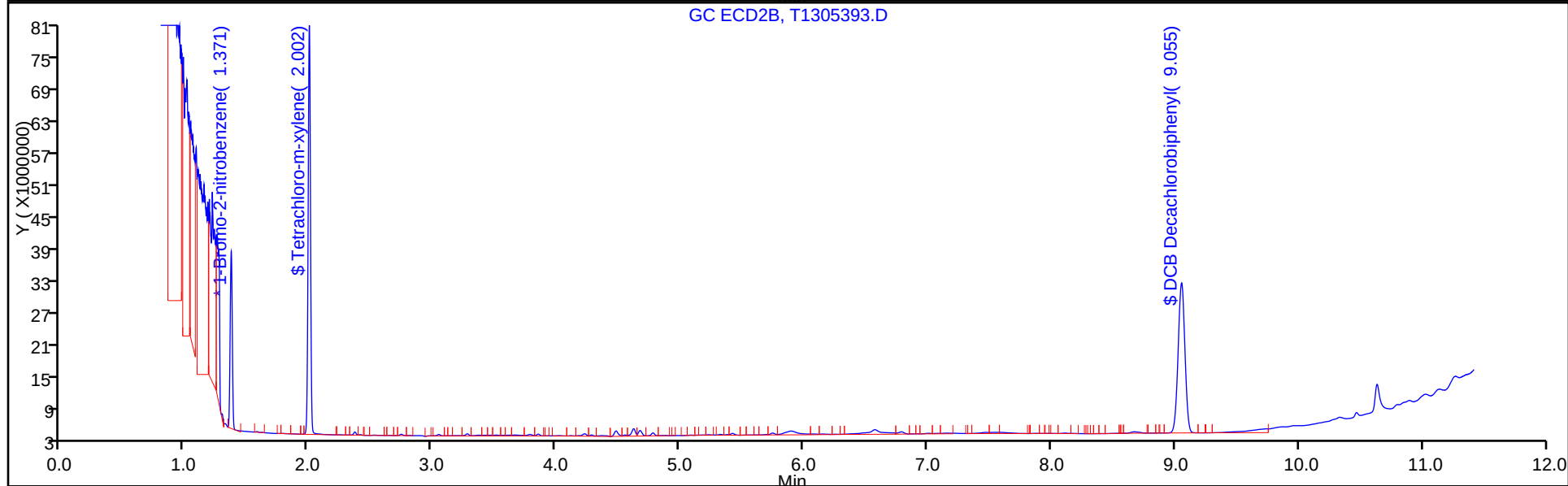
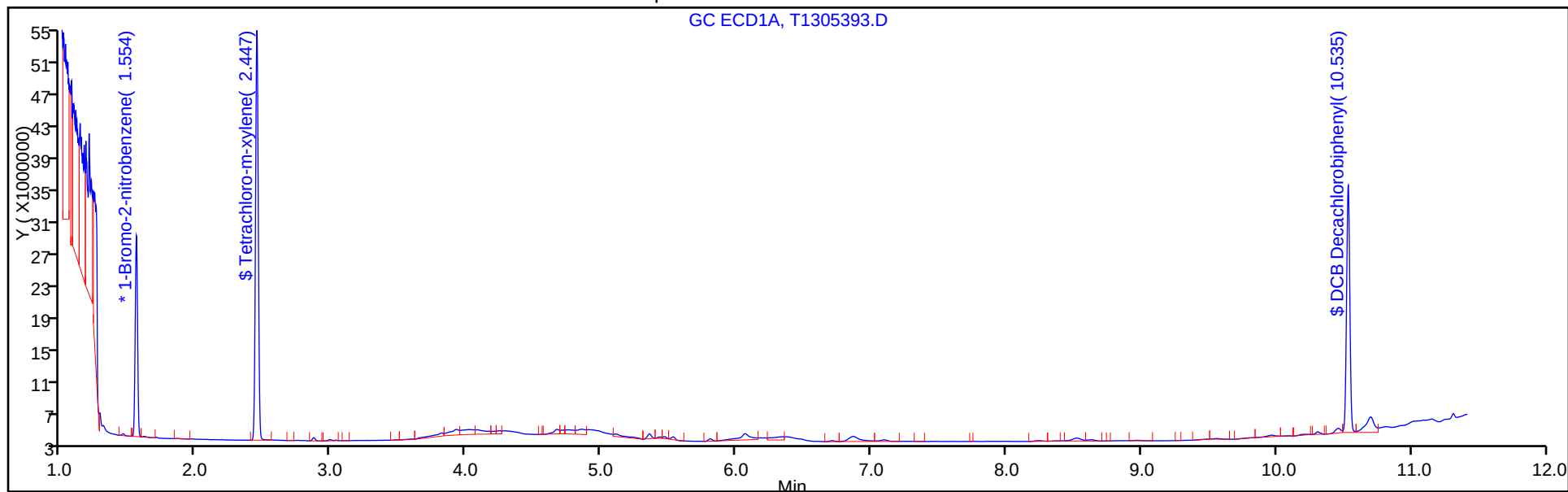
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 22

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-10</u>	Lab Sample ID: <u>460-99997-10</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1305393.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>08/20/2015 11:35</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>08/21/2015 22:24</u>
Sample wt/vol: <u>15.0214(g)</u>	Date Analyzed: <u>08/23/2015 13:10</u>
Con. Extract Vol.: <u>10(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	GC Column: <u>CLP-1</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>20.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318286</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.011	U	0.084	0.011
11104-28-2	Aroclor 1221	0.011	U	0.084	0.011
11141-16-5	Aroclor 1232	0.011	U	0.084	0.011
53469-21-9	Aroclor 1242	0.011	U	0.084	0.011
12672-29-6	Aroclor 1248	0.011	U	0.084	0.011
11097-69-1	Aroclor 1254	0.012	U	0.084	0.012
11096-82-5	Aroclor 1260	0.012	U	0.084	0.012
37324-23-5	Aroclor 1262	0.012	U	0.084	0.012
11100-14-4	Aroclor 1268	0.012	U	0.084	0.012
1336-36-3	Polychlorinated biphenyls, Total	0.012	U	0.084	0.012

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	115		30-150
877-09-8	Tetrachloro-m-xylene	109		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305393.D
 Lims ID: 460-99997-E-10-B Lab Sample ID: 460-99997-10
 Client ID: ES-10
 Sample Type: Client
 Inject. Date: 23-Aug-2015 13:10:47 ALS Bottle#: 22 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-022
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D

Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK034

First Level Reviewer: patelji Date: 24-Aug-2015 09:23:47

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.554	1.551	0.003	30309572	20.0
2	1.371	1.366	0.005	39648162	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.447	2.445	0.002	73378486	54.5
2	2.002	1.998	0.004	101010967	54.5

RPD = 0.03

\$ 11 DCB Decachlorobiphenyl

1	10.535	10.533	0.002	52017270	51.9
2	9.055	9.049	0.006	106612206	57.3

RPD = 10.03

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305393.D

Injection Date: 23-Aug-2015 13:10:47

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-10-B

Lab Sample ID: 460-99997-10

Worklist Smp#: 22

Client ID: ES-10

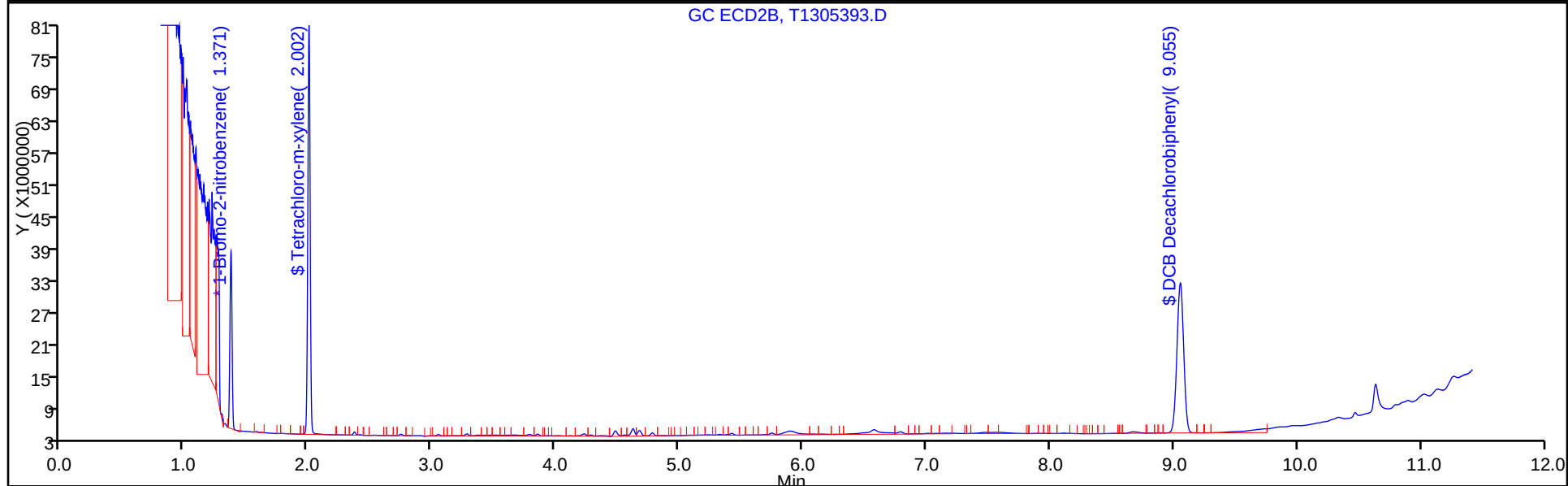
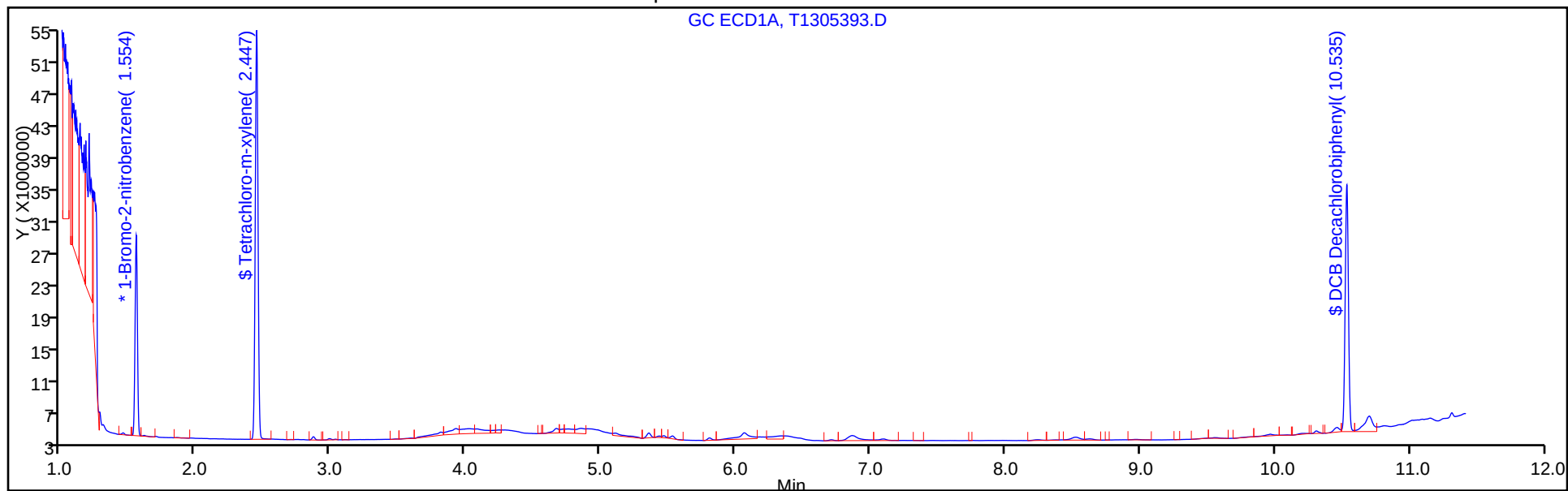
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 22

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Client Sample ID: ES-11 Lab Sample ID: 460-99997-11
Matrix: Solid Lab File ID: T1305394.D
Analysis Method: 8082A Date Collected: 08/20/2015 11:58
Extraction Method: 3546 Date Extracted: 08/21/2015 22:24
Sample wt/vol: 15.0326(g) Date Analyzed: 08/23/2015 13:25
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: 17.5 GPC Cleanup: (Y/N) N
Analysis Batch No.: 318286 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	107		30-150
877-09-8	Tetrachloro-m-xylene	99		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305394.D
 Lims ID: 460-99997-E-11-B Lab Sample ID: 460-99997-11
 Client ID: ES-11
 Sample Type: Client
 Inject. Date: 23-Aug-2015 13:25:19 ALS Bottle#: 23 Worklist Smp#: 23
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-023
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK034

First Level Reviewer: patelji Date: 24-Aug-2015 09:23:58

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.555	1.551	0.004	32224333	20.0
2	1.373	1.366	0.007	42078023	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.448	2.445	0.003	71061803	49.7
2	2.004	1.998	0.006	99512915	50.6

RPD = 1.86

\$ 11 DCB Decachlorobiphenyl

1	10.540	10.533	0.007	56795586	53.3
2	9.054	9.049	0.005	106156822	53.8

RPD = 1.00

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305394.D

Injection Date: 23-Aug-2015 13:25:19

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-11-B

Lab Sample ID: 460-99997-11

Worklist Smp#: 23

Client ID: ES-11

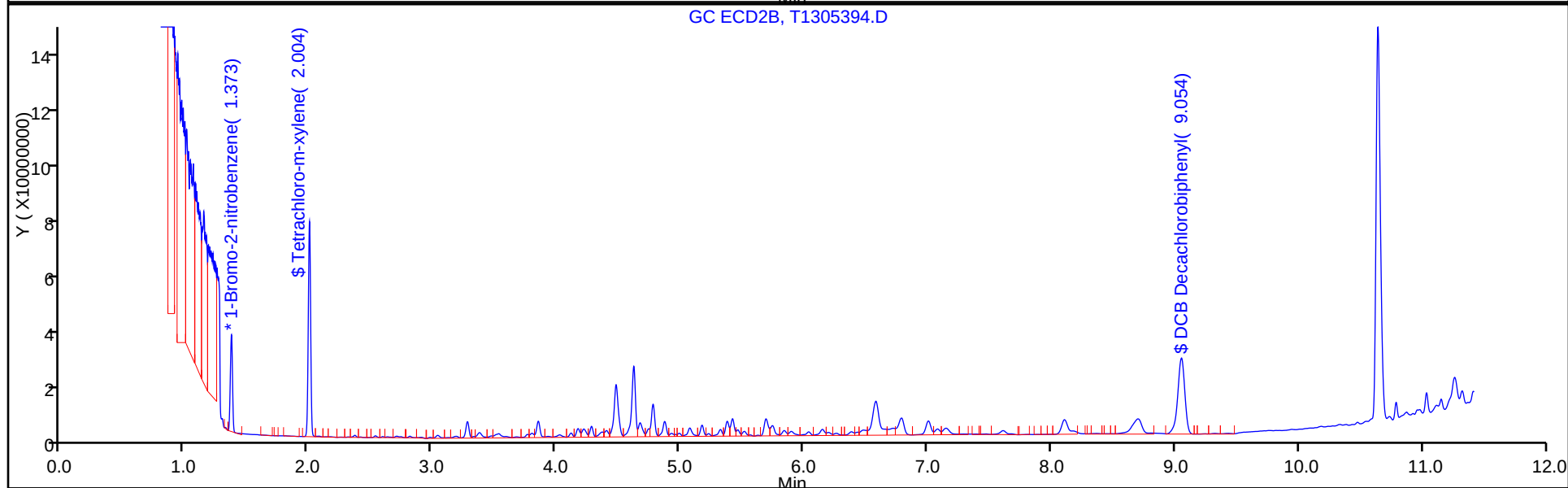
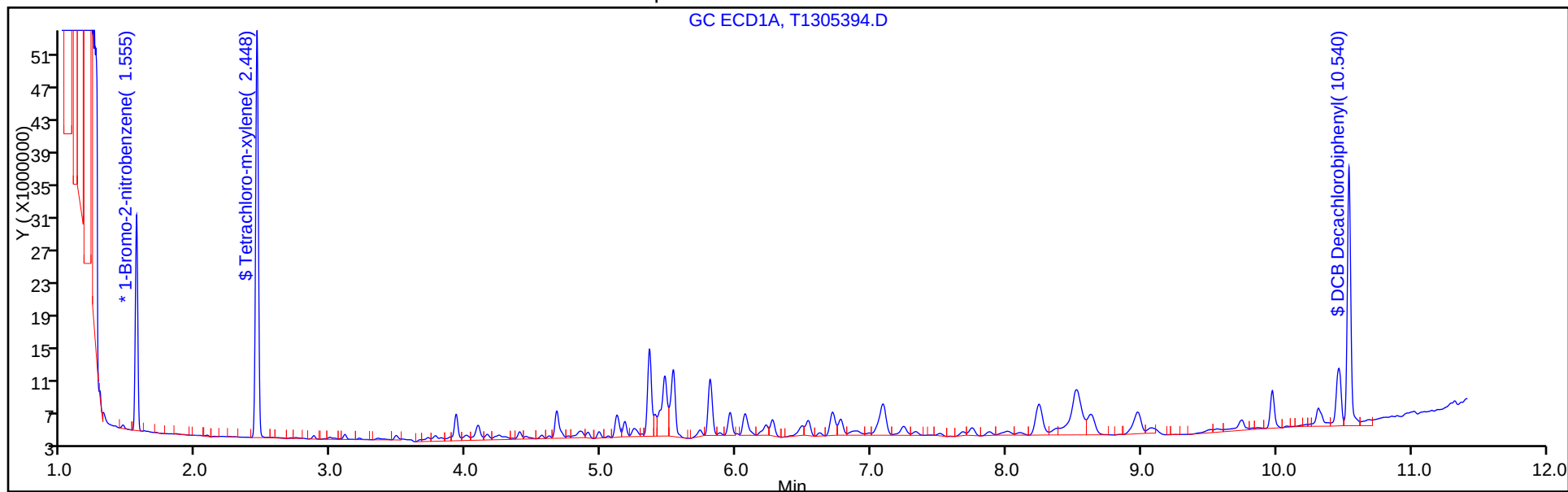
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 23

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-11</u>	Lab Sample ID: <u>460-99997-11</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1305394.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>08/20/2015 11:58</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>08/21/2015 22:24</u>
Sample wt/vol: <u>15.0326(g)</u>	Date Analyzed: <u>08/23/2015 13:25</u>
Con. Extract Vol.: <u>10 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	GC Column: <u>CLP-1</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>17.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318286</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.011	U	0.081	0.011
11104-28-2	Aroclor 1221	0.011	U	0.081	0.011
11141-16-5	Aroclor 1232	0.011	U	0.081	0.011
53469-21-9	Aroclor 1242	0.011	U	0.081	0.011
12672-29-6	Aroclor 1248	0.011	U	0.081	0.011
11097-69-1	Aroclor 1254	0.011	U	0.081	0.011
11096-82-5	Aroclor 1260	0.011	U	0.081	0.011
37324-23-5	Aroclor 1262	0.011	U	0.081	0.011
11100-14-4	Aroclor 1268	0.011	U	0.081	0.011
1336-36-3	Polychlorinated biphenyls, Total	0.011	U	0.081	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	108		30-150
877-09-8	Tetrachloro-m-xylene	101		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305394.D
Lims ID: 460-99997-E-11-B Lab Sample ID: 460-99997-11
Client ID: ES-11
Sample Type: Client
Inject. Date: 23-Aug-2015 13:25:19 ALS Bottle#: 23 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0031018-023
Operator ID: Instrument ID: CPESTGC11
Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D
Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK034

First Level Reviewer: patelji

Date: 24-Aug-2015 09:23:58

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.555	1.551	0.004	32224333	20.0
2	1.373	1.366	0.007	42078023	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.448	2.445	0.003	71061803	49.7
2	2.004	1.998	0.006	99512915	50.6

RPD = 1.86

\$ 11 DCB Decachlorobiphenyl

1	10.540	10.533	0.007	56795586	53.3
2	9.054	9.049	0.005	106156822	53.8

RPD = 1.00

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305394.D

Injection Date: 23-Aug-2015 13:25:19

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-11-B

Lab Sample ID: 460-99997-11

Worklist Smp#: 23

Client ID: ES-11

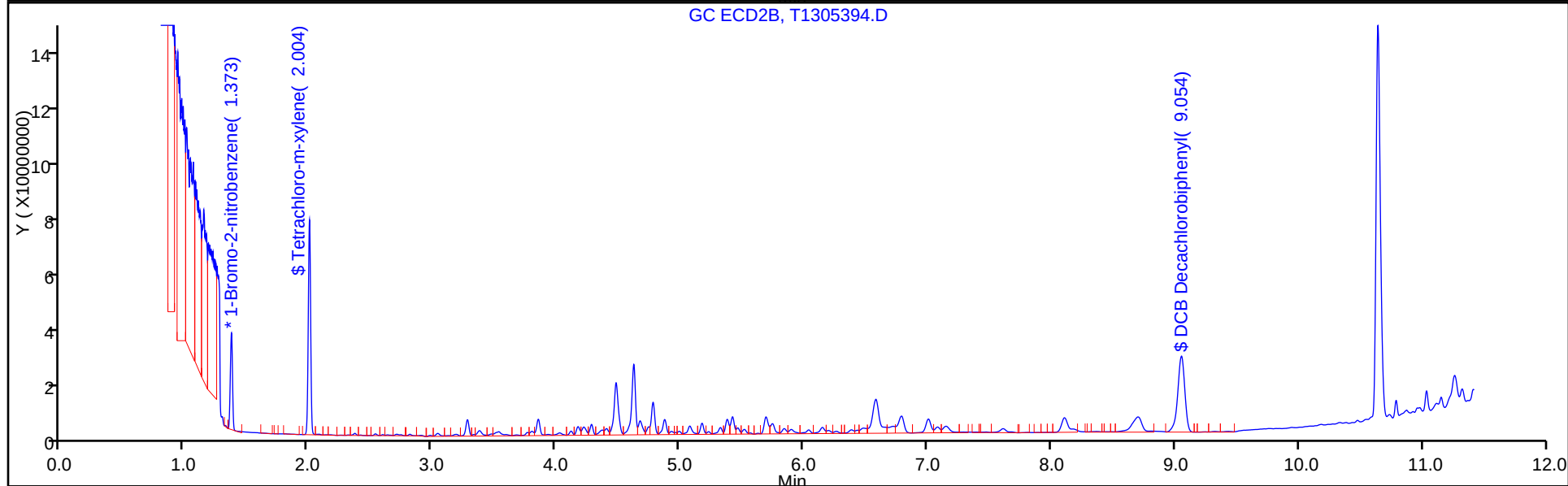
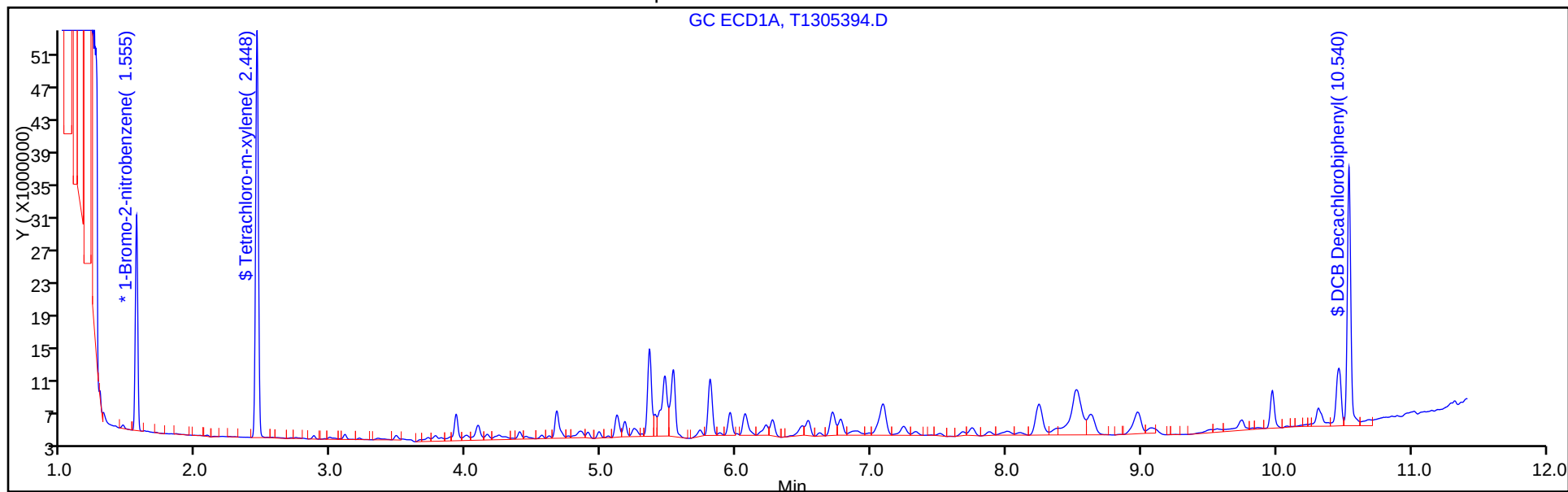
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 23

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Client Sample ID: ES-12 Lab Sample ID: 460-99997-12
Matrix: Solid Lab File ID: T1305395.D
Analysis Method: 8082A Date Collected: 08/20/2015 12:30
Extraction Method: 3546 Date Extracted: 08/21/2015 22:24
Sample wt/vol: 15.0127(g) Date Analyzed: 08/23/2015 13:39
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: 16.2 GPC Cleanup: (Y/N) N
Analysis Batch No.: 318286 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	104		30-150
877-09-8	Tetrachloro-m-xylene	98		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305395.D
 Lims ID: 460-99997-E-12-B Lab Sample ID: 460-99997-12
 Client ID: ES-12
 Sample Type: Client
 Inject. Date: 23-Aug-2015 13:39:50 ALS Bottle#: 24 Worklist Smp#: 24
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-024
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D

Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK034

First Level Reviewer: patelji Date: 24-Aug-2015 09:24:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.554	1.551	0.003	33061002	20.0
2	1.372	1.366	0.006	42982447	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.448	2.445	0.003	72094050	49.1
2	2.003	1.998	0.005	100068640	49.8

RPD = 1.41

\$ 11 DCB Decachlorobiphenyl

1	10.535	10.533	0.002	56827185	51.9
2	9.053	9.049	0.004	106579636	52.9

RPD = 1.78

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305395.D

Injection Date: 23-Aug-2015 13:39:50

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-12-B

Lab Sample ID: 460-99997-12

Worklist Smp#: 24

Client ID: ES-12

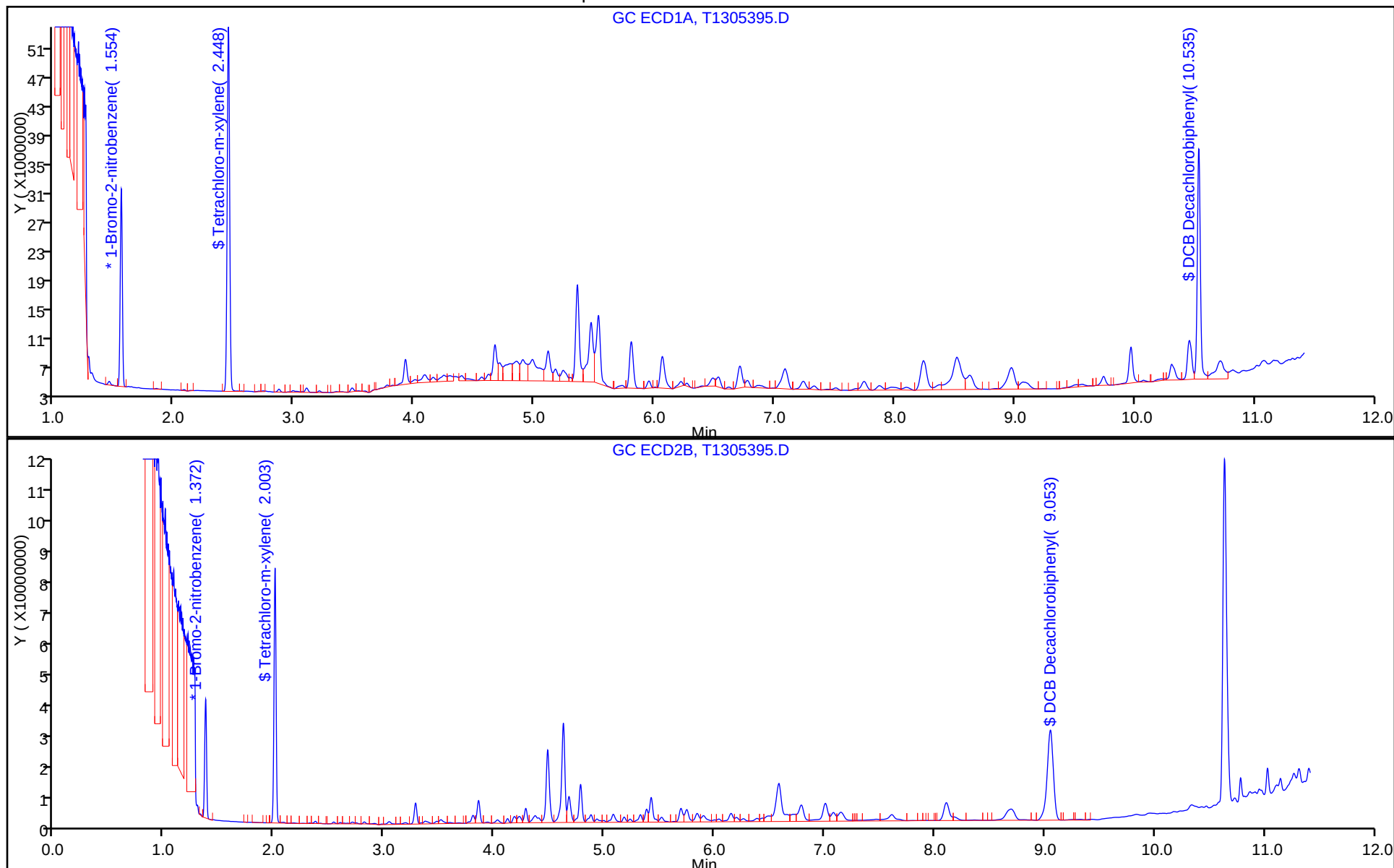
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 24

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-12</u>	Lab Sample ID: <u>460-99997-12</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1305395.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>08/20/2015 12:30</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>08/21/2015 22:24</u>
Sample wt/vol: <u>15.0127(g)</u>	Date Analyzed: <u>08/23/2015 13:39</u>
Con. Extract Vol.: <u>10 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	GC Column: <u>CLP-1</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>16.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318286</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.011	U	0.080	0.011
11104-28-2	Aroclor 1221	0.011	U	0.080	0.011
11141-16-5	Aroclor 1232	0.011	U	0.080	0.011
53469-21-9	Aroclor 1242	0.011	U	0.080	0.011
12672-29-6	Aroclor 1248	0.011	U	0.080	0.011
11097-69-1	Aroclor 1254	0.011	U	0.080	0.011
11096-82-5	Aroclor 1260	0.011	U	0.080	0.011
37324-23-5	Aroclor 1262	0.011	U	0.080	0.011
11100-14-4	Aroclor 1268	0.011	U	0.080	0.011
1336-36-3	Polychlorinated biphenyls, Total	0.011	U	0.080	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	106		30-150
877-09-8	Tetrachloro-m-xylene	100		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305395.D
 Lims ID: 460-99997-E-12-B Lab Sample ID: 460-99997-12
 Client ID: ES-12
 Sample Type: Client
 Inject. Date: 23-Aug-2015 13:39:50 ALS Bottle#: 24 Worklist Smp#: 24
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-024
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D

Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK034

First Level Reviewer: patelji Date: 24-Aug-2015 09:24:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.554	1.551	0.003	33061002	20.0
2	1.372	1.366	0.006	42982447	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.448	2.445	0.003	72094050	49.1
2	2.003	1.998	0.005	100068640	49.8

RPD = 1.41

\$ 11 DCB Decachlorobiphenyl

1	10.535	10.533	0.002	56827185	51.9
2	9.053	9.049	0.004	106579636	52.9

RPD = 1.78

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305395.D

Injection Date: 23-Aug-2015 13:39:50

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-12-B

Lab Sample ID: 460-99997-12

Worklist Smp#: 24

Client ID: ES-12

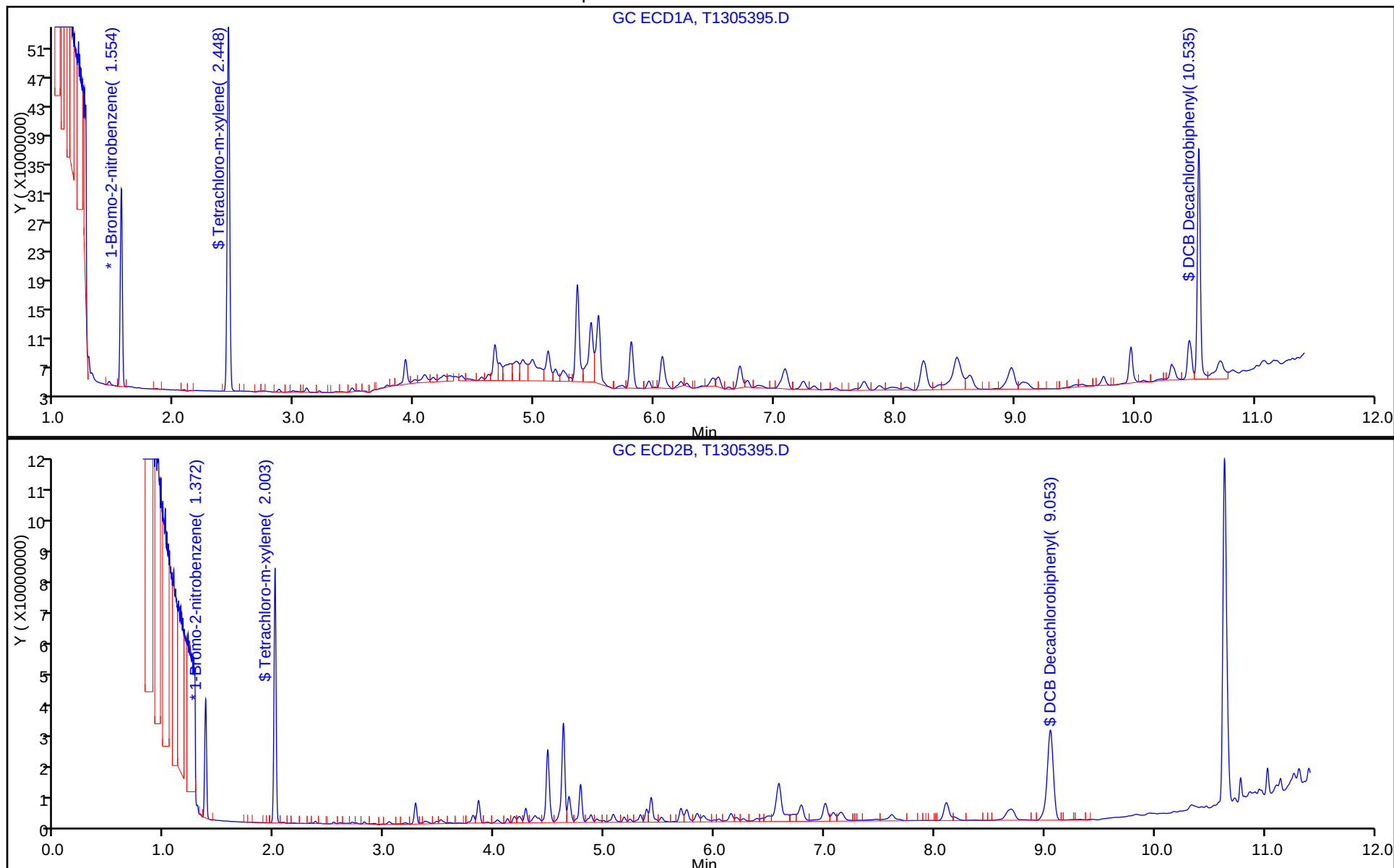
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 24

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Client Sample ID: ES-13 Lab Sample ID: 460-99997-13
Matrix: Solid Lab File ID: T1305396.D
Analysis Method: 8082A Date Collected: 08/20/2015 12:39
Extraction Method: 3546 Date Extracted: 08/21/2015 22:24
Sample wt/vol: 15.0316(g) Date Analyzed: 08/23/2015 13:54
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: 16.6 GPC Cleanup: (Y/N) N
Analysis Batch No.: 318286 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	117		30-150
877-09-8	Tetrachloro-m-xylene	111		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305396.D
 Lims ID: 460-99997-E-13-B Lab Sample ID: 460-99997-13
 Client ID: ES-13
 Sample Type: Client
 Inject. Date: 23-Aug-2015 13:54:20 ALS Bottle#: 25 Worklist Smp#: 25
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-025
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK034

First Level Reviewer: patelji

Date: 24-Aug-2015 09:24:33

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.554	1.551	0.003	31045116	20.0	
2	1.372	1.366	0.006	40480195	20.0	
RPD = 0.00						

\$ 2 Tetrachloro-m-xylene

1	2.447	2.445	0.002	76751997	55.7	
2	2.003	1.998	0.005	105133982	55.6	
RPD = 0.20						

\$ 11 DCB Decachlorobiphenyl

1	10.538	10.533	0.005	60177066	58.6	
2	9.054	9.049	0.005	112435117	59.2	
RPD = 1.10						

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305396.D

Injection Date: 23-Aug-2015 13:54:20

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-13-B

Lab Sample ID: 460-99997-13

Worklist Smp#: 25

Client ID: ES-13

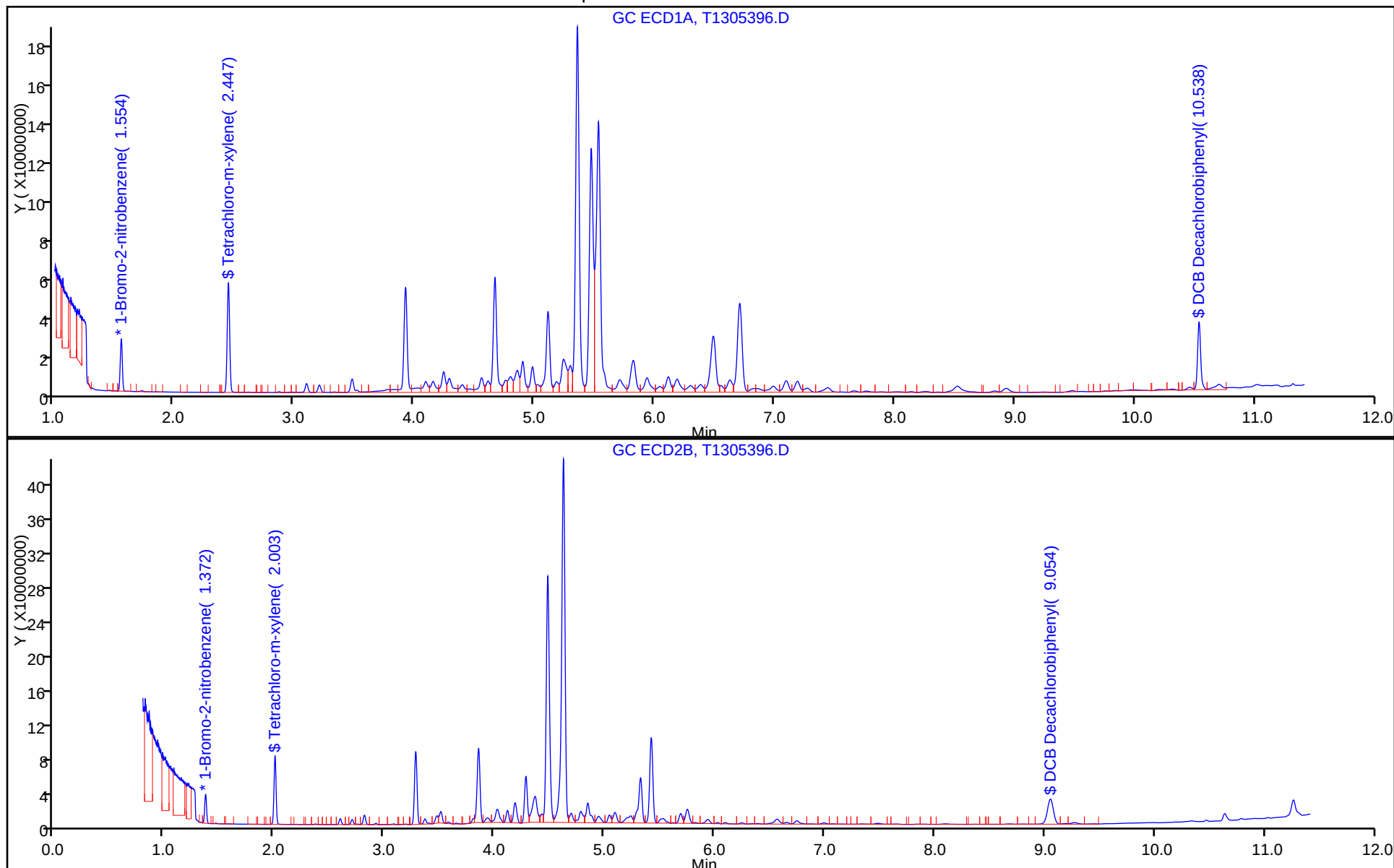
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 25

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-13</u>	Lab Sample ID: <u>460-99997-13</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1305396.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>08/20/2015 12:39</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>08/21/2015 22:24</u>
Sample wt/vol: <u>15.0316(g)</u>	Date Analyzed: <u>08/23/2015 13:54</u>
Con. Extract Vol.: <u>10(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	GC Column: <u>CLP-1</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>16.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318286</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.011	U	0.080	0.011
11104-28-2	Aroclor 1221	0.011	U	0.080	0.011
11141-16-5	Aroclor 1232	0.011	U	0.080	0.011
53469-21-9	Aroclor 1242	0.011	U	0.080	0.011
12672-29-6	Aroclor 1248	0.011	U	0.080	0.011
11097-69-1	Aroclor 1254	0.011	U	0.080	0.011
11096-82-5	Aroclor 1260	0.011	U	0.080	0.011
37324-23-5	Aroclor 1262	0.011	U	0.080	0.011
11100-14-4	Aroclor 1268	0.011	U	0.080	0.011
1336-36-3	Polychlorinated biphenyls, Total	0.011	U	0.080	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	118		30-150
877-09-8	Tetrachloro-m-xylene	111		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305396.D
 Lims ID: 460-99997-E-13-B Lab Sample ID: 460-99997-13
 Client ID: ES-13
 Sample Type: Client
 Inject. Date: 23-Aug-2015 13:54:20 ALS Bottle#: 25 Worklist Smp#: 25
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-025
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D

Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK034

First Level Reviewer: patelji Date: 24-Aug-2015 09:24:33

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.554	1.551	0.003	31045116	20.0
2	1.372	1.366	0.006	40480195	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.447	2.445	0.002	76751997	55.7
2	2.003	1.998	0.005	105133982	55.6

RPD = 0.20

\$ 11 DCB Decachlorobiphenyl

1	10.538	10.533	0.005	60177066	58.6
2	9.054	9.049	0.005	112435117	59.2

RPD = 1.10

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305396.D

Injection Date: 23-Aug-2015 13:54:20

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-13-B

Lab Sample ID: 460-99997-13

Worklist Smp#: 25

Client ID: ES-13

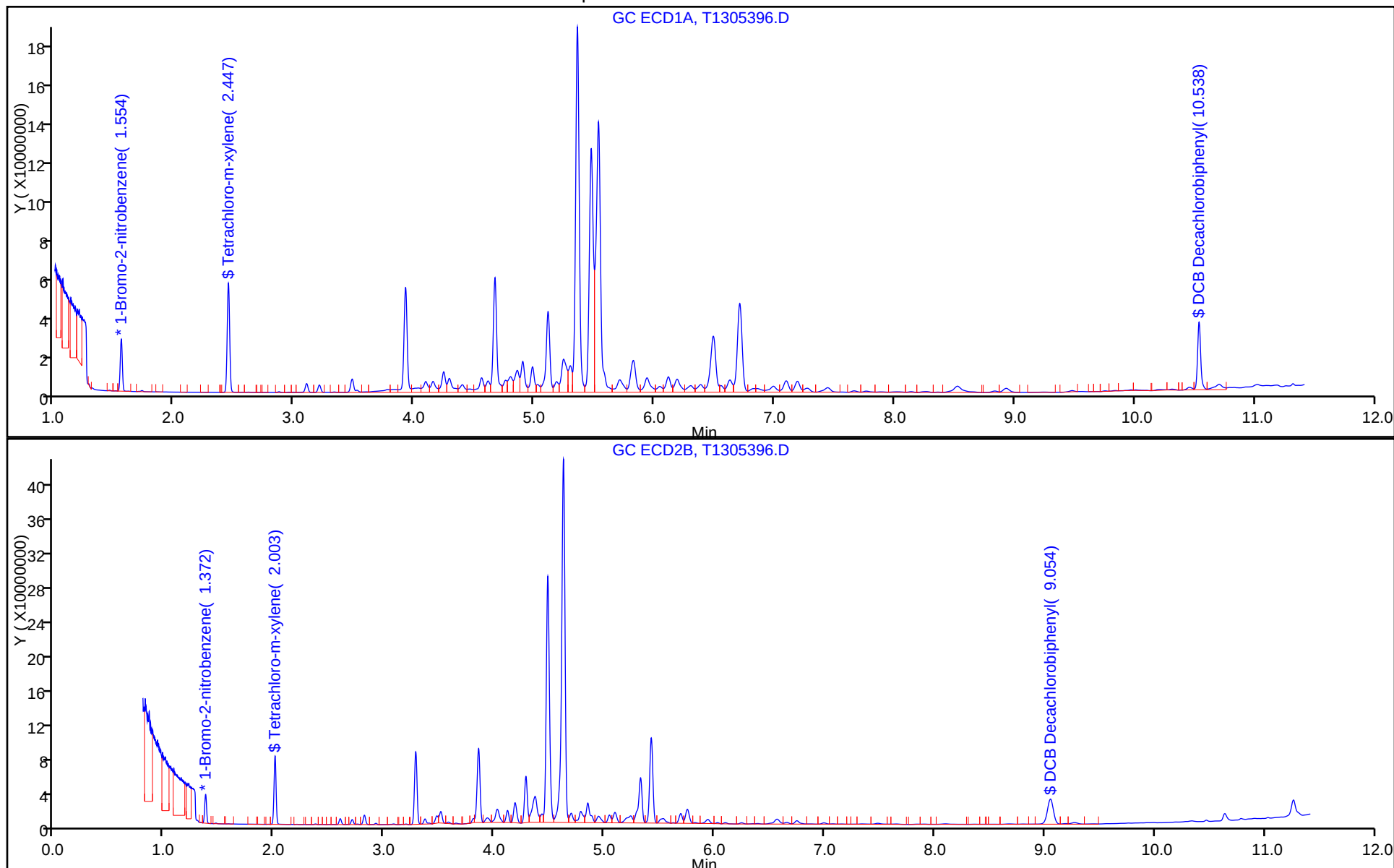
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 25

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Client Sample ID: ES-14 Lab Sample ID: 460-99997-14
Matrix: Solid Lab File ID: T1305397.D
Analysis Method: 8082A Date Collected: 08/20/2015 12:51
Extraction Method: 3546 Date Extracted: 08/21/2015 22:24
Sample wt/vol: 15.0247(g) Date Analyzed: 08/23/2015 14:08
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: 13.9 GPC Cleanup: (Y/N) N
Analysis Batch No.: 318286 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	103		30-150
877-09-8	Tetrachloro-m-xylene	101		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305397.D
 Lims ID: 460-99997-E-14-B Lab Sample ID: 460-99997-14
 Client ID: ES-14
 Sample Type: Client
 Inject. Date: 23-Aug-2015 14:08:52 ALS Bottle#: 26 Worklist Smp#: 26
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-026
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK034

First Level Reviewer: patelji

Date: 24-Aug-2015 09:24:39

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.554	1.551	0.003	32156639	20.0
2	1.371	1.366	0.005	41719382	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.447	2.445	0.002	72081778	50.5
2	2.003	1.998	0.005	99180375	50.9

RPD = 0.75

\$ 11 DCB Decachlorobiphenyl

1	10.535	10.533	0.002	54589183	51.3
2	9.052	9.049	0.003	105808060	54.1

RPD = 5.28

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305397.D

Injection Date: 23-Aug-2015 14:08:52

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-14-B

Lab Sample ID: 460-99997-14

Worklist Smp#: 26

Client ID: ES-14

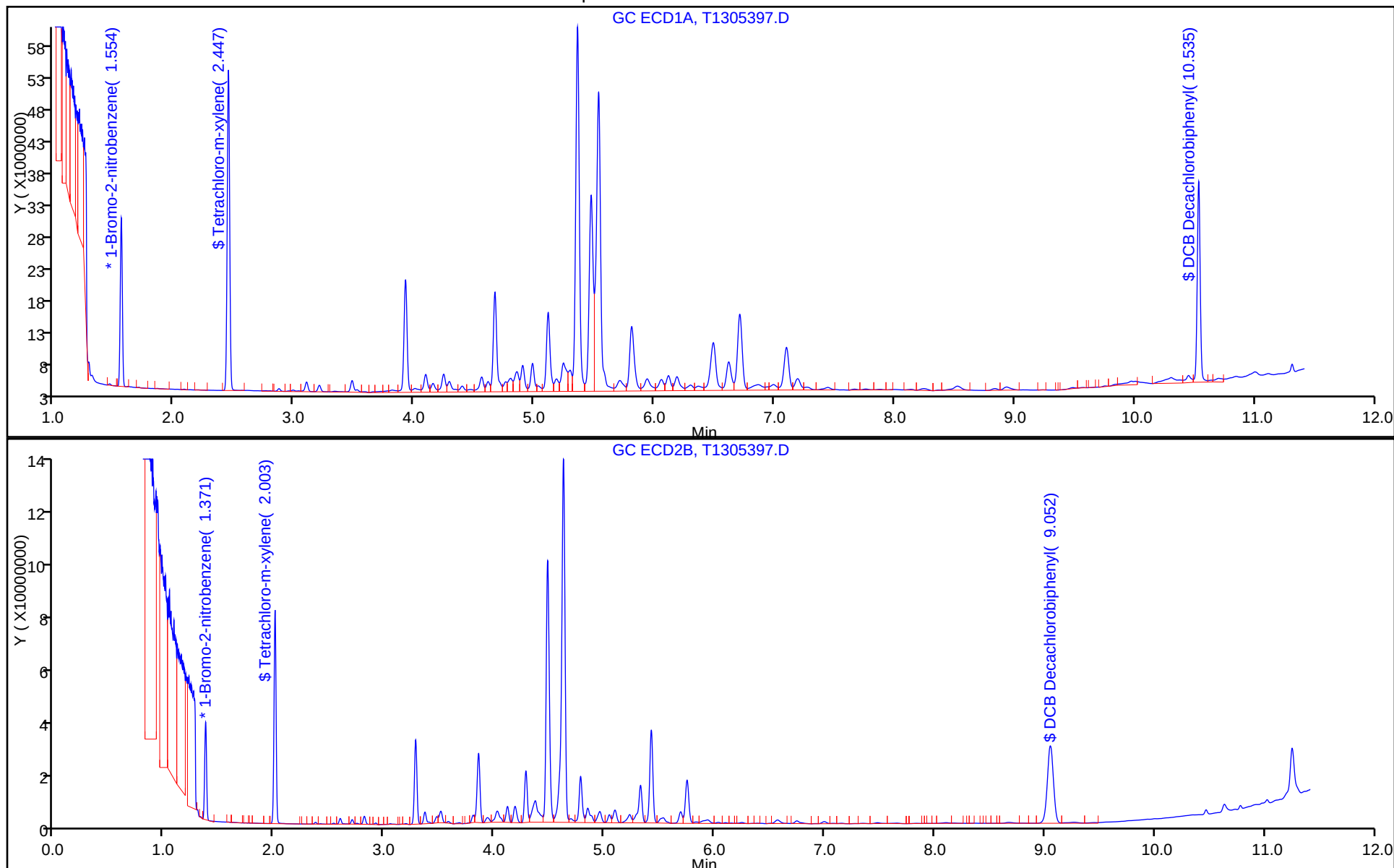
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 26

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-14</u>	Lab Sample ID: <u>460-99997-14</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1305397.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>08/20/2015 12:51</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>08/21/2015 22:24</u>
Sample wt/vol: <u>15.0247(g)</u>	Date Analyzed: <u>08/23/2015 14:08</u>
Con. Extract Vol.: <u>10(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	GC Column: <u>CLP-1</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>13.9</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318286</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.010	U	0.078	0.010
11104-28-2	Aroclor 1221	0.010	U	0.078	0.010
11141-16-5	Aroclor 1232	0.010	U	0.078	0.010
53469-21-9	Aroclor 1242	0.010	U	0.078	0.010
12672-29-6	Aroclor 1248	0.010	U	0.078	0.010
11097-69-1	Aroclor 1254	0.011	U	0.078	0.011
11096-82-5	Aroclor 1260	0.011	U	0.078	0.011
37324-23-5	Aroclor 1262	0.011	U	0.078	0.011
11100-14-4	Aroclor 1268	0.011	U	0.078	0.011
1336-36-3	Polychlorinated biphenyls, Total	0.011	U	0.078	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	108		30-150
877-09-8	Tetrachloro-m-xylene	102		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305397.D
 Lims ID: 460-99997-E-14-B Lab Sample ID: 460-99997-14
 Client ID: ES-14
 Sample Type: Client
 Inject. Date: 23-Aug-2015 14:08:52 ALS Bottle#: 26 Worklist Smp#: 26
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-026
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK034

First Level Reviewer: patelji

Date: 24-Aug-2015 09:24:39

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.554	1.551	0.003	32156639	20.0
2	1.371	1.366	0.005	41719382	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.447	2.445	0.002	72081778	50.5
2	2.003	1.998	0.005	99180375	50.9

RPD = 0.75

\$ 11 DCB Decachlorobiphenyl

1	10.535	10.533	0.002	54589183	51.3
2	9.052	9.049	0.003	105808060	54.1

RPD = 5.28

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305397.D

Injection Date: 23-Aug-2015 14:08:52

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-14-B

Lab Sample ID: 460-99997-14

Worklist Smp#: 26

Client ID: ES-14

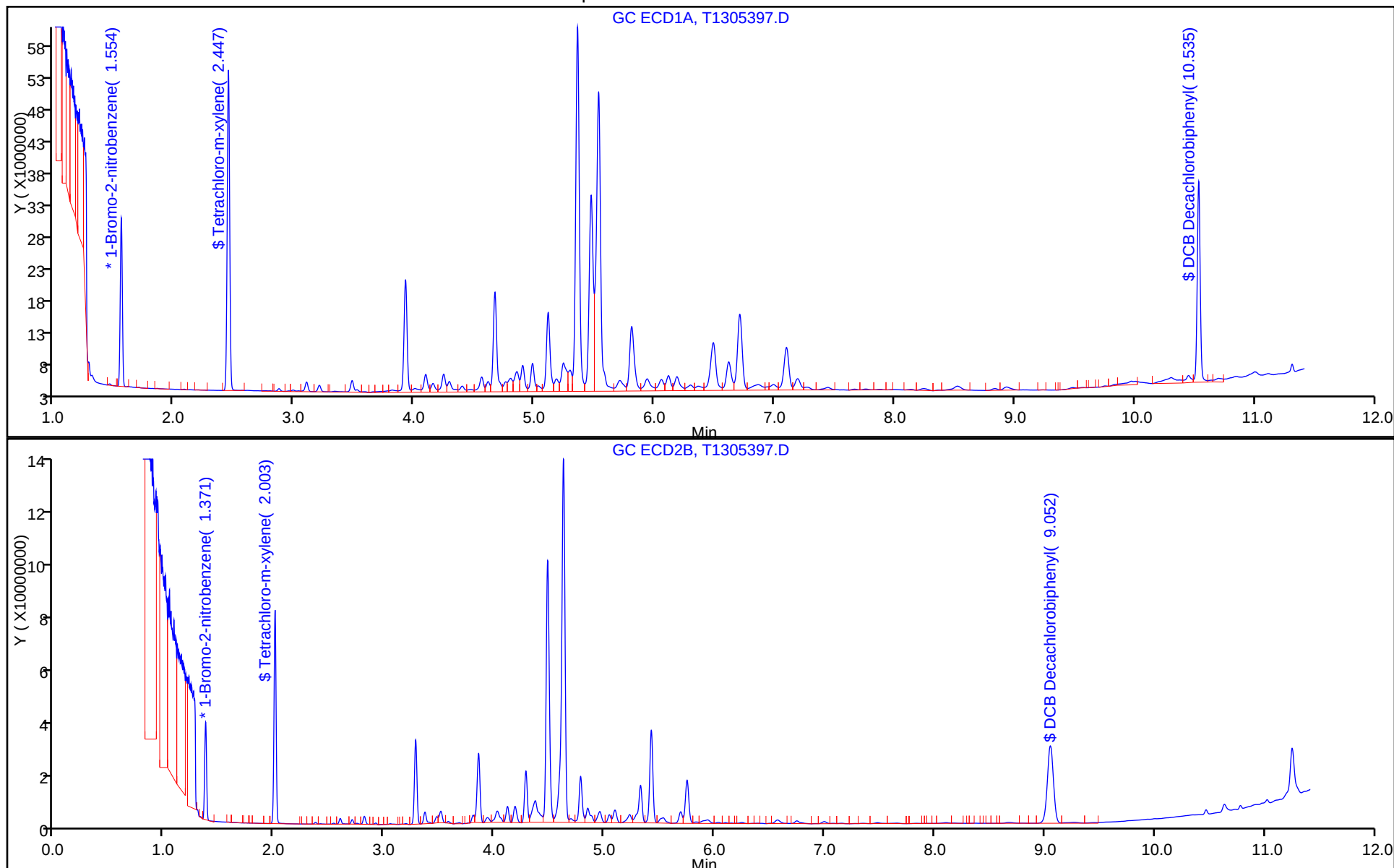
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 26

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Client Sample ID: ES-15 Lab Sample ID: 460-99997-15
Matrix: Solid Lab File ID: T1305398.D
Analysis Method: 8082A Date Collected: 08/20/2015 13:20
Extraction Method: 3546 Date Extracted: 08/21/2015 22:24
Sample wt/vol: 15.0216(g) Date Analyzed: 08/23/2015 14:23
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: 19.1 GPC Cleanup: (Y/N) N
Analysis Batch No.: 318286 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	102		30-150
877-09-8	Tetrachloro-m-xylene	106		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305398.D
 Lims ID: 460-99997-E-15-B Lab Sample ID: 460-99997-15
 Client ID: ES-15
 Sample Type: Client
 Inject. Date: 23-Aug-2015 14:23:21 ALS Bottle#: 27 Worklist Smp#: 27
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-027
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK034

First Level Reviewer: patelji Date: 24-Aug-2015 09:24:54

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.553	1.551	0.002	31575926	20.0
2	1.371	1.366	0.005	41422955	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.446	2.445	0.001	74183953	52.9
2	2.003	1.998	0.005	102703926	53.1

RPD = 0.26

\$ 11 DCB Decachlorobiphenyl

1	10.533	10.533	0.000	53382606	51.1	M
2	9.053	9.049	0.004	110254388	56.8	

RPD = 10.51

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305398.D

Injection Date: 23-Aug-2015 14:23:21

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-15-B

Lab Sample ID: 460-99997-15

Worklist Smp#: 27

Client ID: ES-15

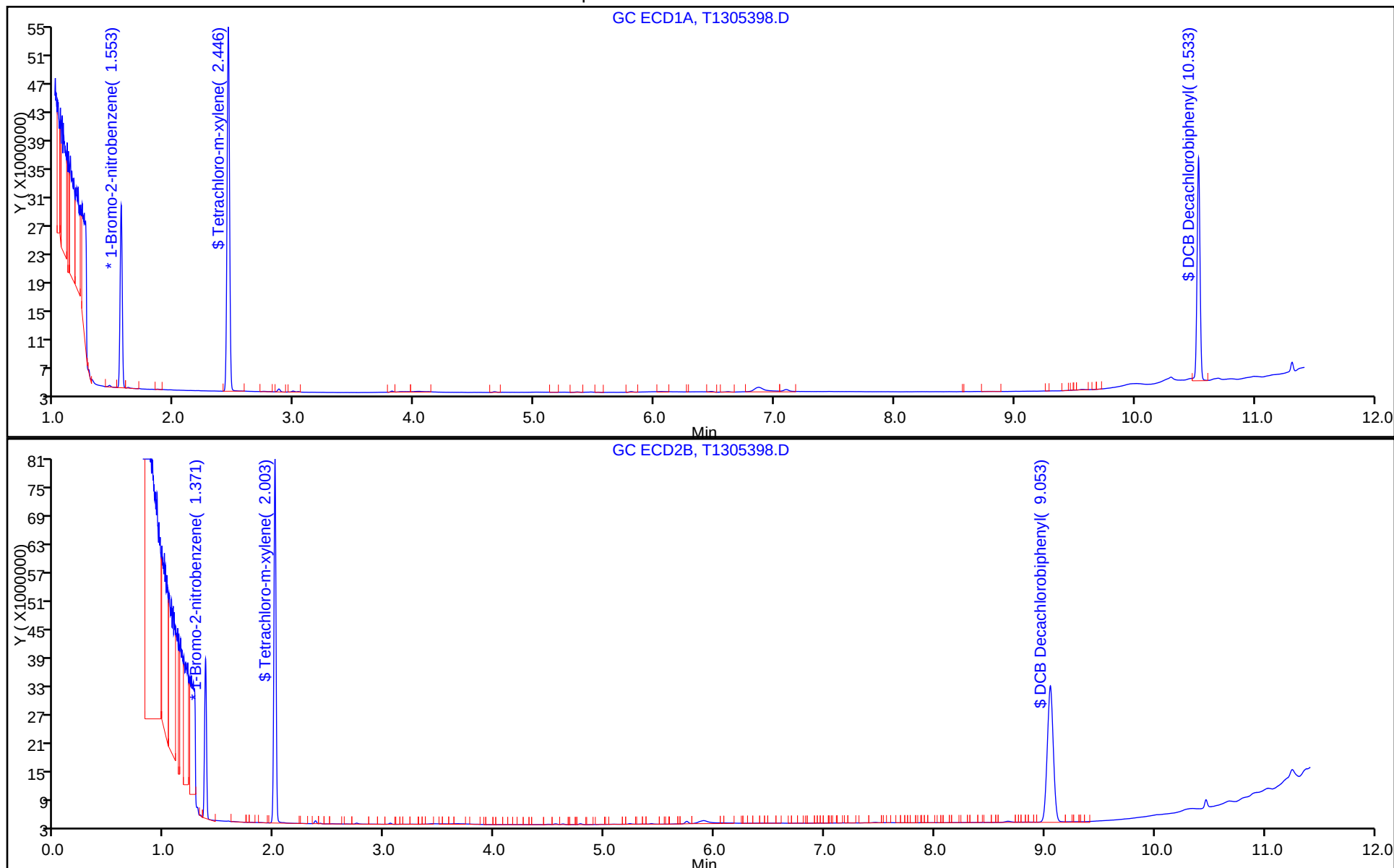
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 27

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305398.D

Injection Date: 23-Aug-2015 14:23:21

Instrument ID: CPESTGC11

Lims ID: 460-99997-E-15-B

Lab Sample ID: 460-99997-15

Client ID: ES-15

Operator ID:

ALS Bottle#:

27

Worklist Smp#: 27

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD

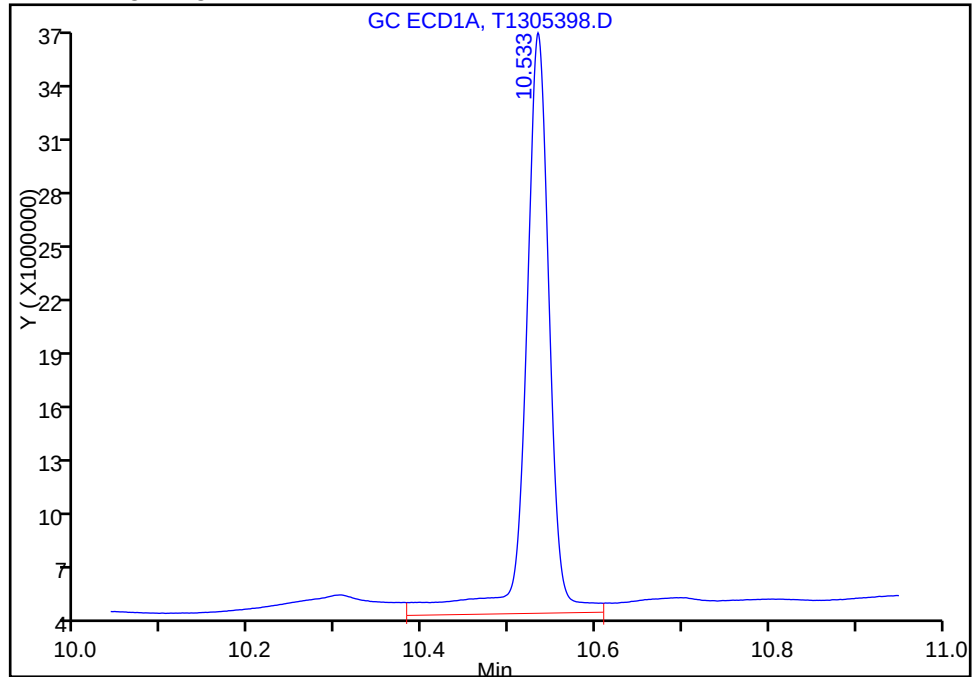
Column:

Detector GC ECD1A

\$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

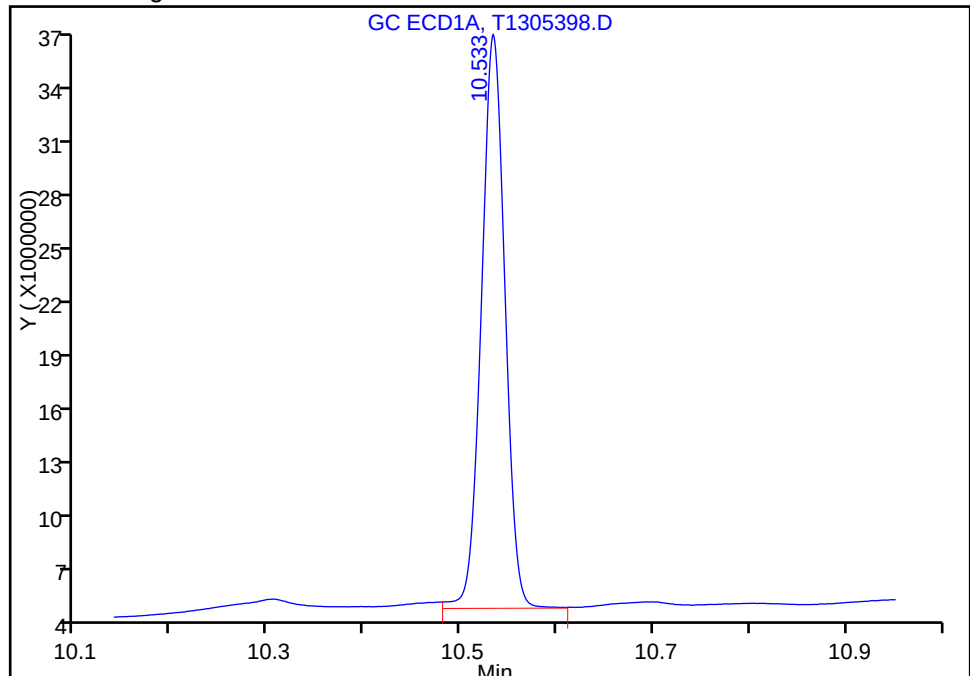
RT: 10.53
Area: 61759007
Amount: 59.110171
Amount Units: ug/l

Processing Integration Results



RT: 10.53
Area: 53382606
Amount: 51.093033
Amount Units: ug/l

Manual Integration Results



Reviewer: patelji, 24-Aug-2015 09:24:54

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-15</u>	Lab Sample ID: <u>460-99997-15</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1305398.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>08/20/2015 13:20</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>08/21/2015 22:24</u>
Sample wt/vol: <u>15.0216(g)</u>	Date Analyzed: <u>08/23/2015 14:23</u>
Con. Extract Vol.: <u>10 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	GC Column: <u>CLP-1</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>19.1</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318286</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.011	U	0.083	0.011
11104-28-2	Aroclor 1221	0.011	U	0.083	0.011
11141-16-5	Aroclor 1232	0.011	U	0.083	0.011
53469-21-9	Aroclor 1242	0.011	U	0.083	0.011
12672-29-6	Aroclor 1248	0.011	U	0.083	0.011
11097-69-1	Aroclor 1254	0.011	U	0.083	0.011
11096-82-5	Aroclor 1260	0.011	U	0.083	0.011
37324-23-5	Aroclor 1262	0.011	U	0.083	0.011
11100-14-4	Aroclor 1268	0.011	U	0.083	0.011
1336-36-3	Polychlorinated biphenyls, Total	0.011	U	0.083	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	114		30-150
877-09-8	Tetrachloro-m-xylene	106		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305398.D
 Lims ID: 460-99997-E-15-B Lab Sample ID: 460-99997-15
 Client ID: ES-15
 Sample Type: Client
 Inject. Date: 23-Aug-2015 14:23:21 ALS Bottle#: 27 Worklist Smp#: 27
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-027
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D

Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK034

First Level Reviewer: patelji Date: 24-Aug-2015 09:24:54

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.553	1.551	0.002	31575926	20.0
2	1.371	1.366	0.005	41422955	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.446	2.445	0.001	74183953	52.9
2	2.003	1.998	0.005	102703926	53.1

RPD = 0.26

\$ 11 DCB Decachlorobiphenyl

1	10.533	10.533	0.000	53382606	51.1	M
2	9.053	9.049	0.004	110254388	56.8	

RPD = 10.51

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305398.D

Injection Date: 23-Aug-2015 14:23:21

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-15-B

Lab Sample ID: 460-99997-15

Worklist Smp#: 27

Client ID: ES-15

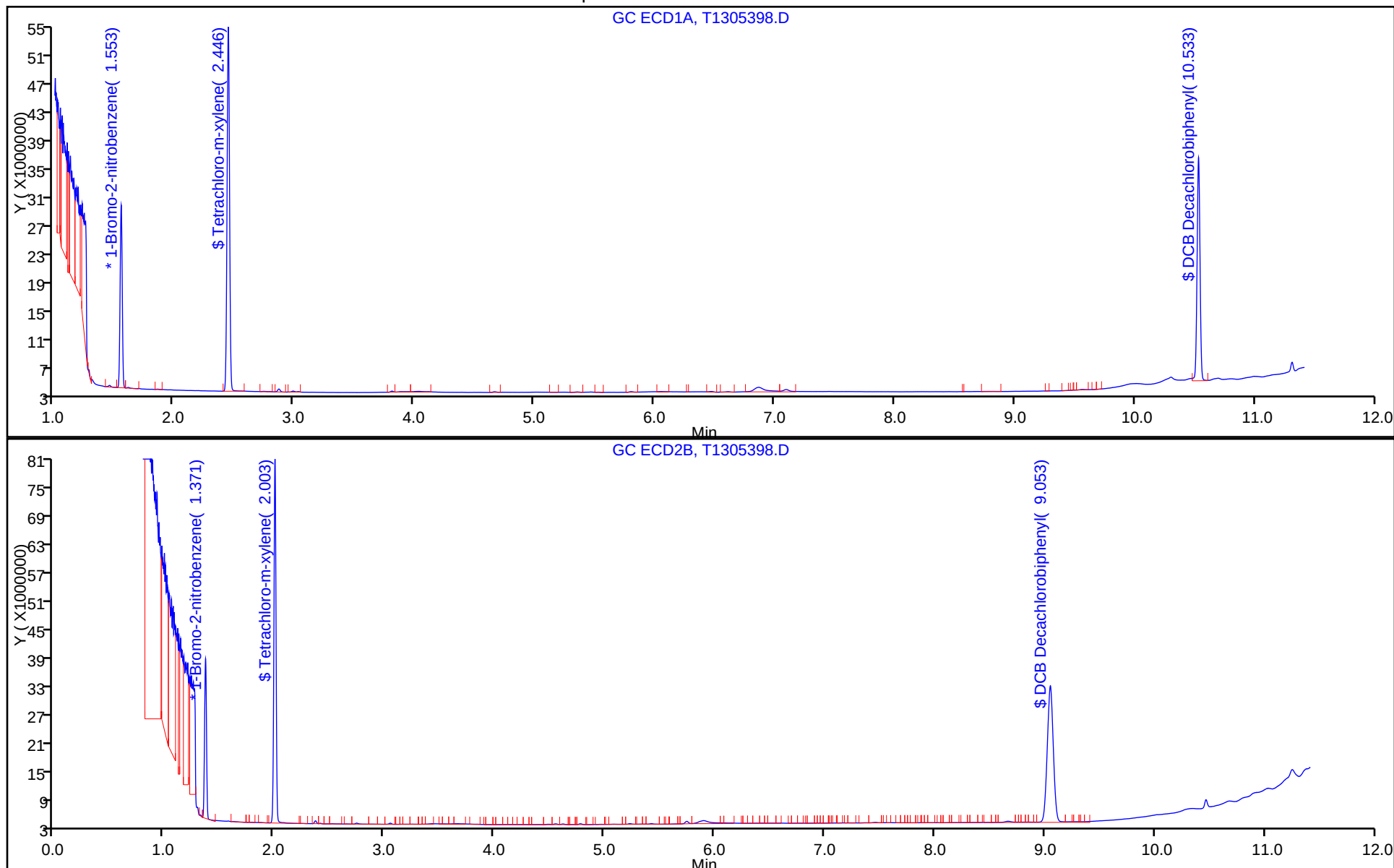
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 27

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Client Sample ID: ES-16 Lab Sample ID: 460-99997-16
Matrix: Solid Lab File ID: T1305399.D
Analysis Method: 8082A Date Collected: 08/20/2015 13:37
Extraction Method: 3546 Date Extracted: 08/21/2015 22:24
Sample wt/vol: 15.0324(g) Date Analyzed: 08/23/2015 14:37
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)
% Moisture: 11.7 GPC Cleanup: (Y/N) N
Analysis Batch No.: 318286 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	98		30-150
877-09-8	Tetrachloro-m-xylene	97		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305399.D
Lims ID: 460-99997-E-16-B Lab Sample ID: 460-99997-16
Client ID: ES-16
Sample Type: Client
Inject. Date: 23-Aug-2015 14:37:54 ALS Bottle#: 28 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0031018-028
Operator ID: Instrument ID: CPESTGC11
Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK034

First Level Reviewer: patelji Date: 24-Aug-2015 09:25:03

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.553	1.551	0.002	32673227	20.0
2	1.371	1.366	0.005	42827584	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.447	2.445	0.002	70210140	48.4
2	2.003	1.998	0.005	95649864	47.8

RPD = 1.27

\$ 11 DCB Decachlorobiphenyl

1	10.542	10.533	0.009	52781653	48.8
2	9.053	9.049	0.004	99282127	49.4

RPD = 1.25

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305399.D

Injection Date: 23-Aug-2015 14:37:54

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-16-B

Lab Sample ID: 460-99997-16

Worklist Smp#: 28

Client ID: ES-16

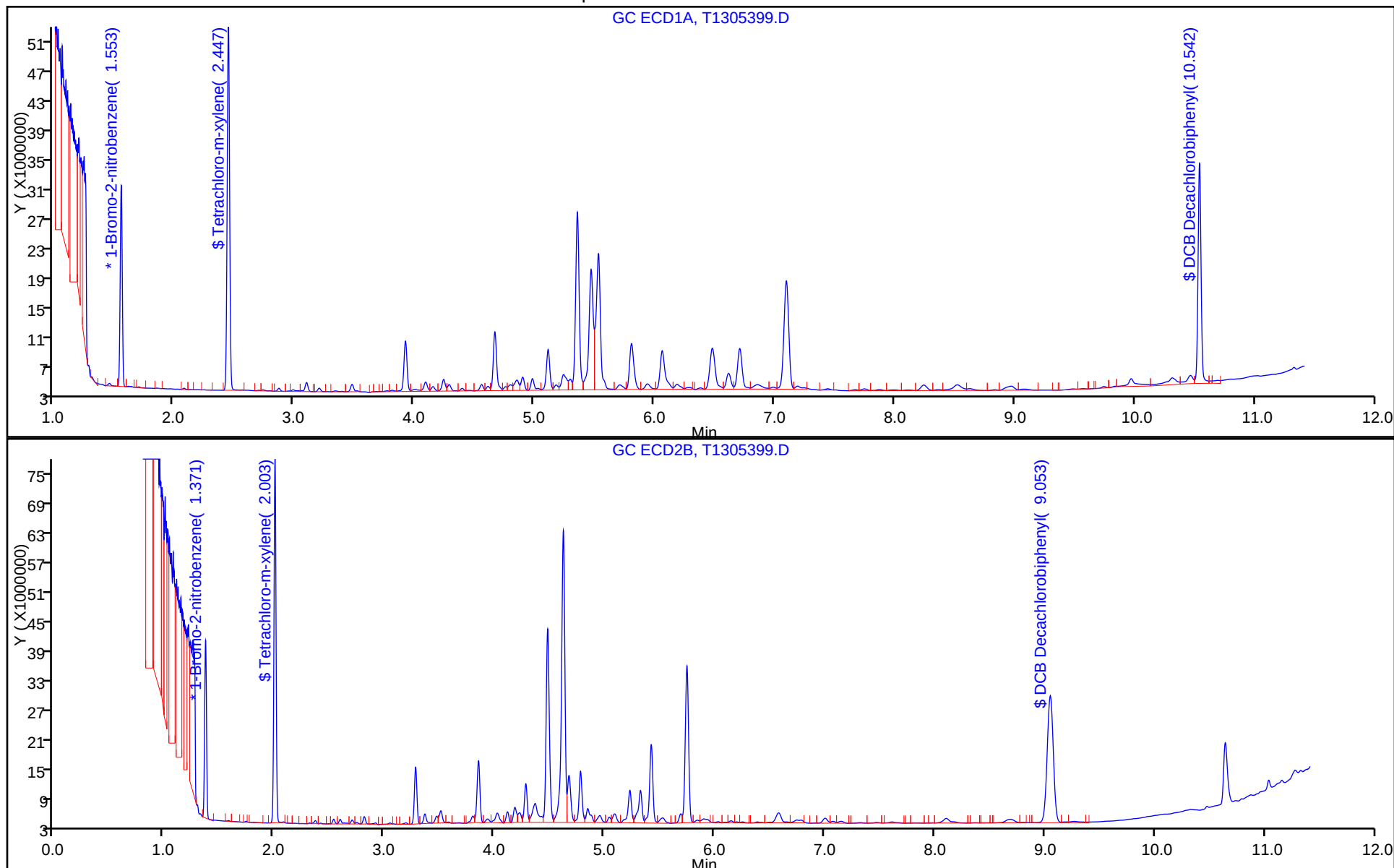
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 28

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-16</u>	Lab Sample ID: <u>460-99997-16</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1305399.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>08/20/2015 13:37</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>08/21/2015 22:24</u>
Sample wt/vol: <u>15.0324(g)</u>	Date Analyzed: <u>08/23/2015 14:37</u>
Con. Extract Vol.: <u>10(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	GC Column: <u>CLP-1</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>11.7</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318286</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.010	U	0.076	0.010
11104-28-2	Aroclor 1221	0.010	U	0.076	0.010
11141-16-5	Aroclor 1232	0.010	U	0.076	0.010
53469-21-9	Aroclor 1242	0.010	U	0.076	0.010
12672-29-6	Aroclor 1248	0.010	U	0.076	0.010
11097-69-1	Aroclor 1254	0.010	U	0.076	0.010
11096-82-5	Aroclor 1260	0.010	U	0.076	0.010
37324-23-5	Aroclor 1262	0.010	U	0.076	0.010
11100-14-4	Aroclor 1268	0.010	U	0.076	0.010
1336-36-3	Polychlorinated biphenyls, Total	0.010	U	0.076	0.010

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	99		30-150
877-09-8	Tetrachloro-m-xylene	96		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305399.D
 Lims ID: 460-99997-E-16-B Lab Sample ID: 460-99997-16
 Client ID: ES-16
 Sample Type: Client
 Inject. Date: 23-Aug-2015 14:37:54 ALS Bottle#: 28 Worklist Smp#: 28
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-028
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D

Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK034

First Level Reviewer: patelji Date: 24-Aug-2015 09:25:03

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.553	1.551	0.002	32673227	20.0
2	1.371	1.366	0.005	42827584	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.447	2.445	0.002	70210140	48.4
2	2.003	1.998	0.005	95649864	47.8

RPD = 1.27

\$ 11 DCB Decachlorobiphenyl

1	10.542	10.533	0.009	52781653	48.8
2	9.053	9.049	0.004	99282127	49.4

RPD = 1.25

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305399.D

Injection Date: 23-Aug-2015 14:37:54

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-16-B

Lab Sample ID: 460-99997-16

Worklist Smp#: 28

Client ID: ES-16

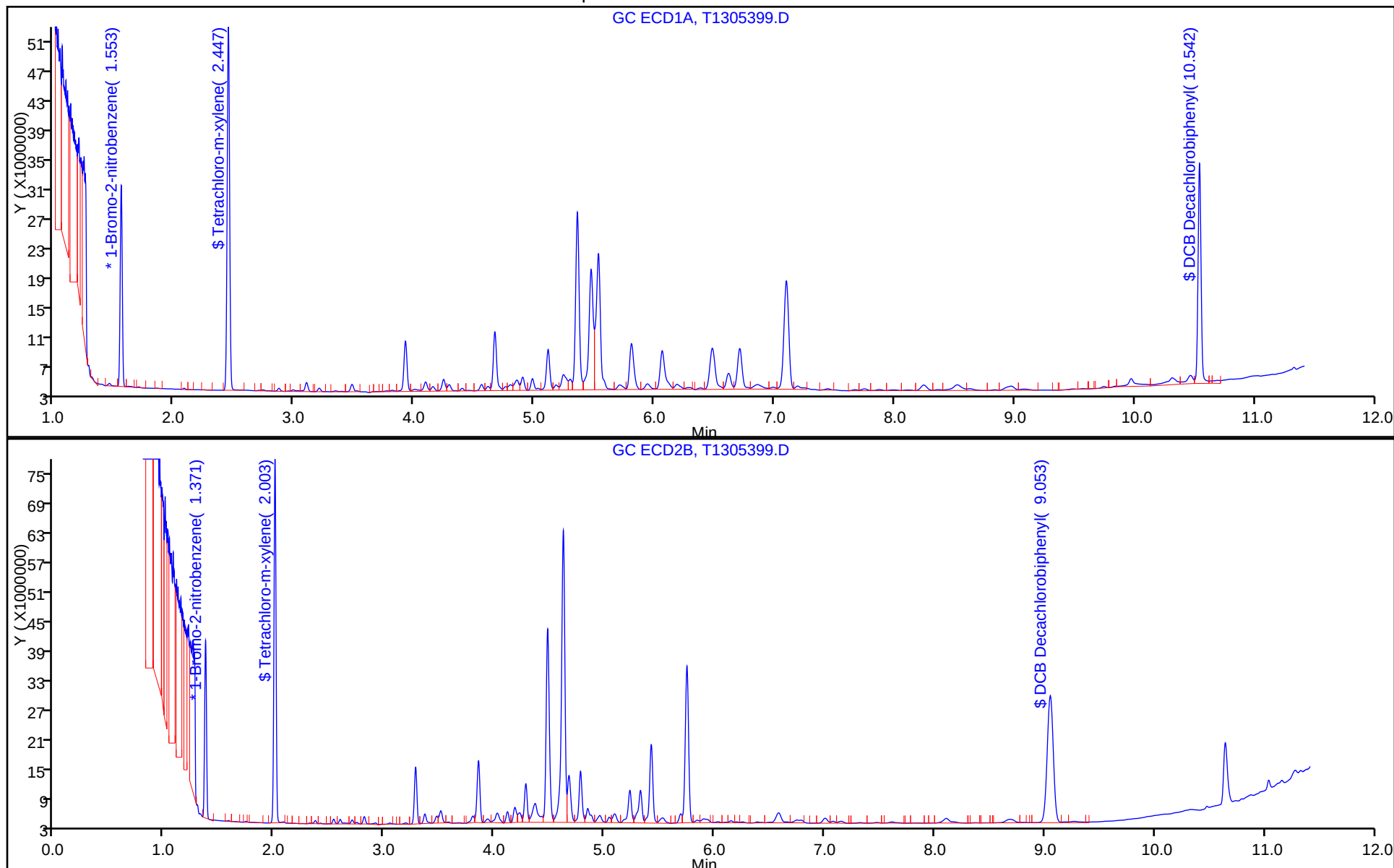
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 28

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Client Sample ID: ES-17 Lab Sample ID: 460-99997-17
Matrix: Solid Lab File ID: T1305400.D
Analysis Method: 8082A Date Collected: 08/20/2015 13:53
Extraction Method: 3546 Date Extracted: 08/21/2015 22:24
Sample wt/vol: 15.0122(g) Date Analyzed: 08/23/2015 14:52
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)
% Moisture: 17.7 GPC Cleanup: (Y/N) N
Analysis Batch No.: 318286 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	105		30-150
877-09-8	Tetrachloro-m-xylene	103		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305400.D
 Lims ID: 460-99997-E-17-B Lab Sample ID: 460-99997-17
 Client ID: ES-17
 Sample Type: Client
 Inject. Date: 23-Aug-2015 14:52:24 ALS Bottle#: 29 Worklist Smp#: 29
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-029
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D

Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK034

First Level Reviewer: patelji Date: 24-Aug-2015 09:25:08

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.552	1.551	0.001	32083547	20.0
2	1.370	1.366	0.004	41901261	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.447	2.445	0.002	73362578	51.5
2	2.002	1.998	0.004	100584665	51.4

RPD = 0.27

\$ 11 DCB Decachlorobiphenyl

1	10.539	10.533	0.006	55690594	52.5
2	9.052	9.049	0.003	106346120	54.1

RPD = 3.12

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305400.D

Injection Date: 23-Aug-2015 14:52:24

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-17-B

Lab Sample ID: 460-99997-17

Worklist Smp#: 29

Client ID: ES-17

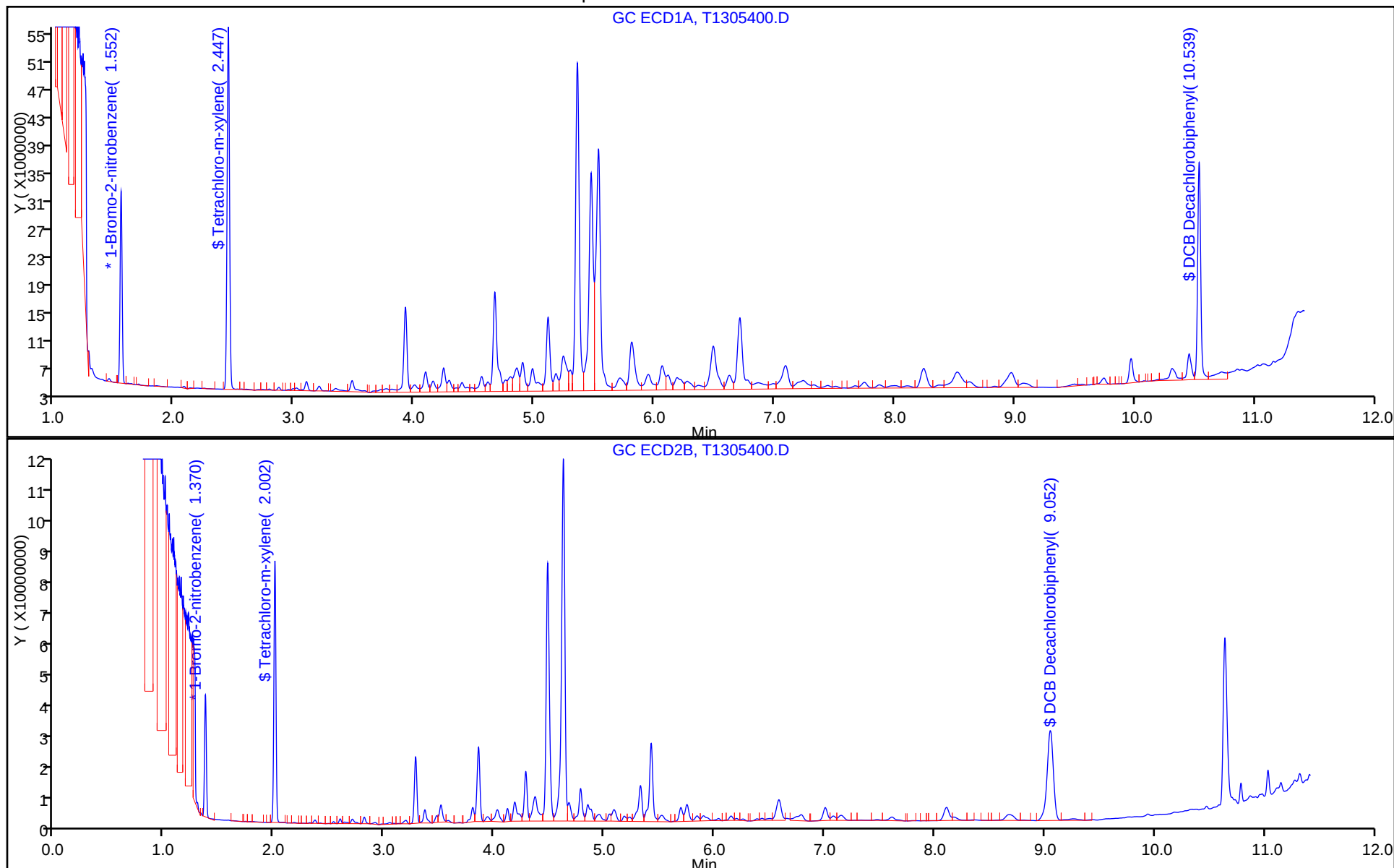
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 29

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-17</u>	Lab Sample ID: <u>460-99997-17</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1305400.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>08/20/2015 13:53</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>08/21/2015 22:24</u>
Sample wt/vol: <u>15.0122(g)</u>	Date Analyzed: <u>08/23/2015 14:52</u>
Con. Extract Vol.: <u>10(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	GC Column: <u>CLP-1</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>17.7</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318286</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.011	U	0.081	0.011
11104-28-2	Aroclor 1221	0.011	U	0.081	0.011
11141-16-5	Aroclor 1232	0.011	U	0.081	0.011
53469-21-9	Aroclor 1242	0.011	U	0.081	0.011
12672-29-6	Aroclor 1248	0.011	U	0.081	0.011
11097-69-1	Aroclor 1254	0.011	U	0.081	0.011
11096-82-5	Aroclor 1260	0.011	U	0.081	0.011
37324-23-5	Aroclor 1262	0.011	U	0.081	0.011
11100-14-4	Aroclor 1268	0.011	U	0.081	0.011
1336-36-3	Polychlorinated biphenyls, Total	0.011	U	0.081	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	108		30-150
877-09-8	Tetrachloro-m-xylene	103		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305400.D
 Lims ID: 460-99997-E-17-B Lab Sample ID: 460-99997-17
 Client ID: ES-17
 Sample Type: Client
 Inject. Date: 23-Aug-2015 14:52:24 ALS Bottle#: 29 Worklist Smp#: 29
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-029
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D

Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK034

First Level Reviewer: patelji Date: 24-Aug-2015 09:25:08

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.552	1.551	0.001	32083547	20.0
2	1.370	1.366	0.004	41901261	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.447	2.445	0.002	73362578	51.5
2	2.002	1.998	0.004	100584665	51.4

RPD = 0.27

\$ 11 DCB Decachlorobiphenyl

1	10.539	10.533	0.006	55690594	52.5
2	9.052	9.049	0.003	106346120	54.1

RPD = 3.12

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305400.D

Injection Date: 23-Aug-2015 14:52:24

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-17-B

Lab Sample ID: 460-99997-17

Worklist Smp#: 29

Client ID: ES-17

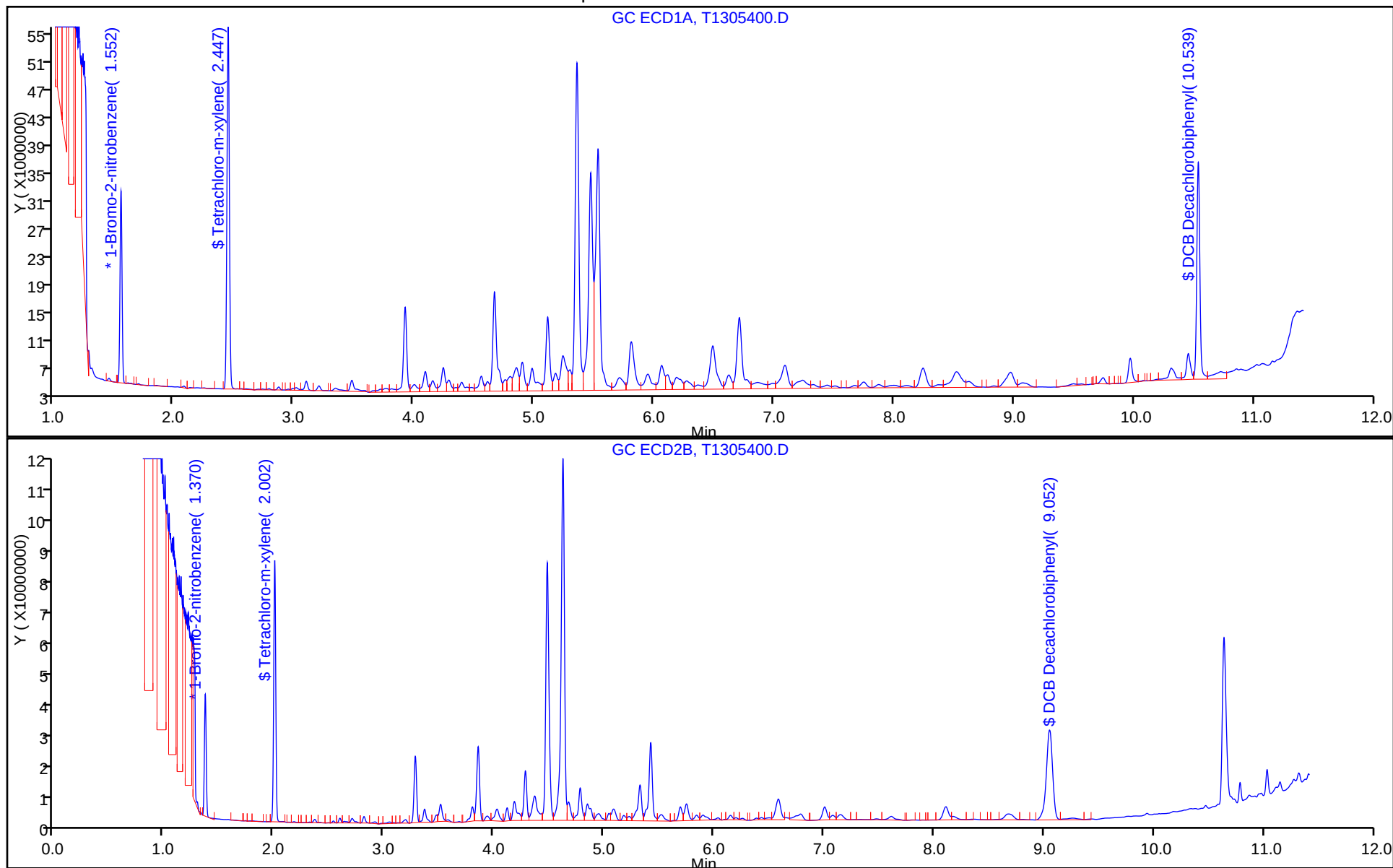
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 29

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Client Sample ID: ES-18 Lab Sample ID: 460-99997-18
Matrix: Solid Lab File ID: T1305401.D
Analysis Method: 8082A Date Collected: 08/20/2015 14:20
Extraction Method: 3546 Date Extracted: 08/21/2015 22:24
Sample wt/vol: 15.0312(g) Date Analyzed: 08/23/2015 15:06
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)
% Moisture: 18.7 GPC Cleanup: (Y/N) N
Analysis Batch No.: 318286 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	97		30-150
877-09-8	Tetrachloro-m-xylene	94		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305401.D
Lims ID: 460-99997-E-18-B Lab Sample ID: 460-99997-18
Client ID: ES-18
Sample Type: Client
Inject. Date: 23-Aug-2015 15:06:56 ALS Bottle#: 30 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0031018-030
Operator ID: Instrument ID: CPESTGC11
Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D
Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: XAWRK034

First Level Reviewer: patelji

Date: 24-Aug-2015 09:25:20

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.554	1.551	0.003	33028580	20.0
2	1.372	1.366	0.006	43225307	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.447	2.445	0.002	68698531	46.9
2	2.002	1.998	0.004	95543879	47.3

RPD = 0.95

\$ 11 DCB Decachlorobiphenyl

1	10.534	10.533	0.001	52868853	48.4
2	9.053	9.049	0.004	104036022	51.3

RPD = 5.92

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305401.D

Injection Date: 23-Aug-2015 15:06:56

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-18-B

Lab Sample ID: 460-99997-18

Worklist Smp#: 30

Client ID: ES-18

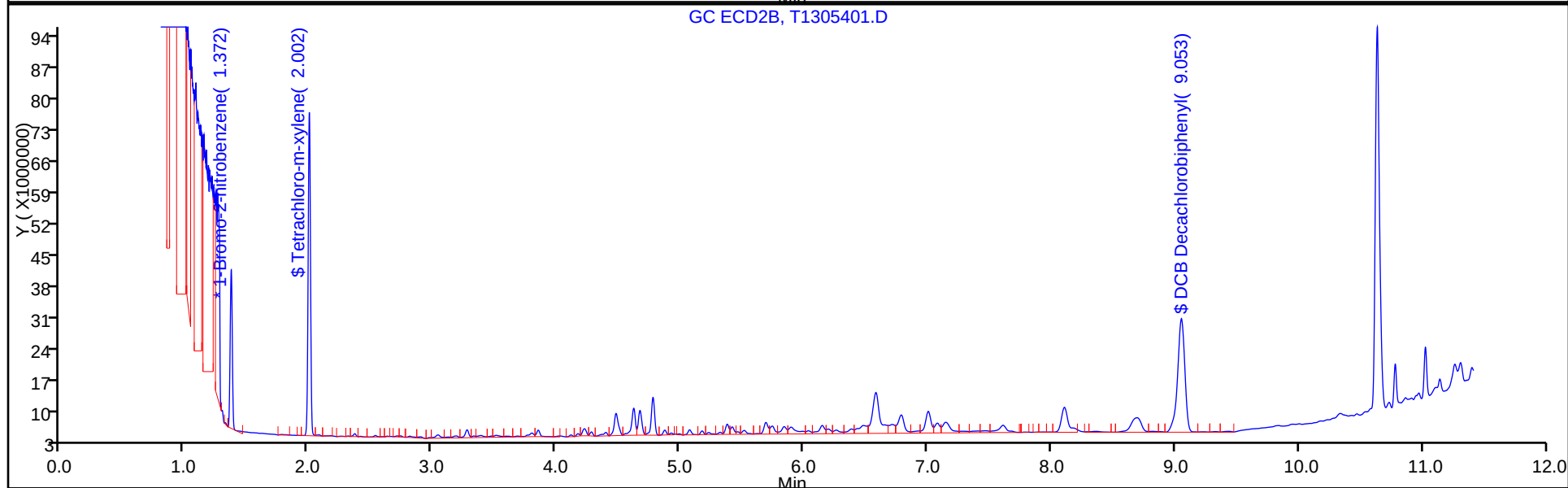
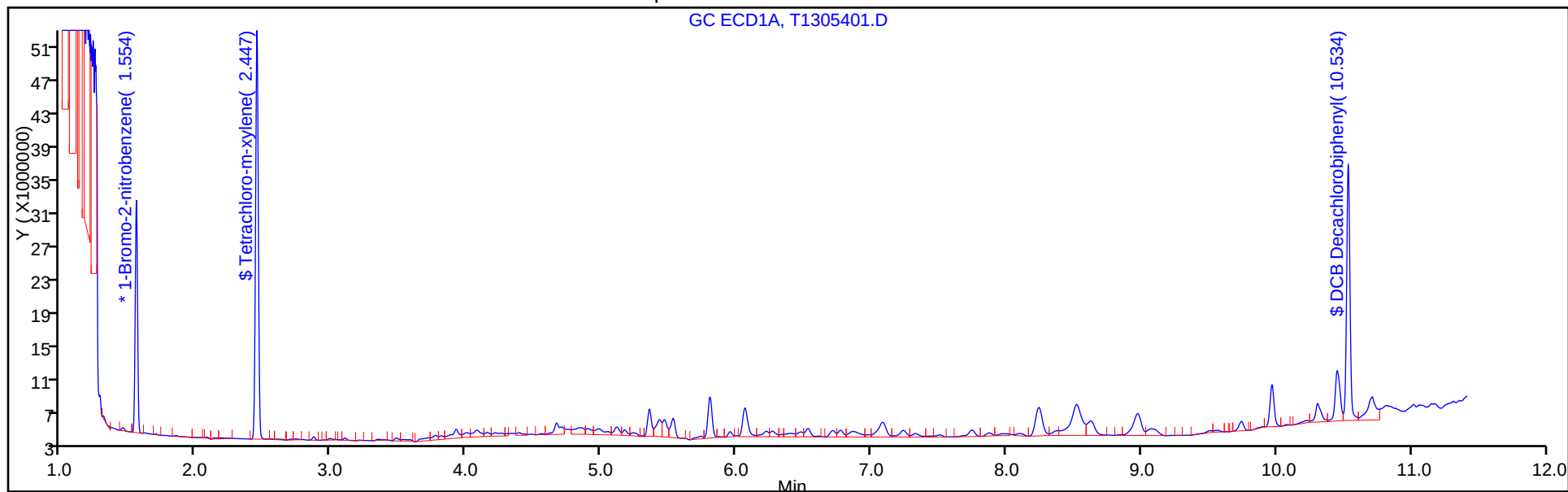
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 30

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-18</u>	Lab Sample ID: <u>460-99997-18</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1305401.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>08/20/2015 14:20</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>08/21/2015 22:24</u>
Sample wt/vol: <u>15.0312(g)</u>	Date Analyzed: <u>08/23/2015 15:06</u>
Con. Extract Vol.: <u>10(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	GC Column: <u>CLP-1</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>18.7</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318286</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.011	U	0.082	0.011
11104-28-2	Aroclor 1221	0.011	U	0.082	0.011
11141-16-5	Aroclor 1232	0.011	U	0.082	0.011
53469-21-9	Aroclor 1242	0.011	U	0.082	0.011
12672-29-6	Aroclor 1248	0.011	U	0.082	0.011
11097-69-1	Aroclor 1254	0.011	U	0.082	0.011
11096-82-5	Aroclor 1260	0.011	U	0.082	0.011
37324-23-5	Aroclor 1262	0.011	U	0.082	0.011
11100-14-4	Aroclor 1268	0.011	U	0.082	0.011
1336-36-3	Polychlorinated biphenyls, Total	0.011	U	0.082	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	103		30-150
877-09-8	Tetrachloro-m-xylene	95		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305401.D
 Lims ID: 460-99997-E-18-B Lab Sample ID: 460-99997-18
 Client ID: ES-18
 Sample Type: Client
 Inject. Date: 23-Aug-2015 15:06:56 ALS Bottle#: 30 Worklist Smp#: 30
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-030
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK034

First Level Reviewer: patelji

Date: 24-Aug-2015 09:25:20

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.554	1.551	0.003	33028580	20.0
2	1.372	1.366	0.006	43225307	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.447	2.445	0.002	68698531	46.9
2	2.002	1.998	0.004	95543879	47.3

RPD = 0.95

\$ 11 DCB Decachlorobiphenyl

1	10.534	10.533	0.001	52868853	48.4
2	9.053	9.049	0.004	104036022	51.3

RPD = 5.92

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305401.D

Injection Date: 23-Aug-2015 15:06:56

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-18-B

Lab Sample ID: 460-99997-18

Worklist Smp#: 30

Client ID: ES-18

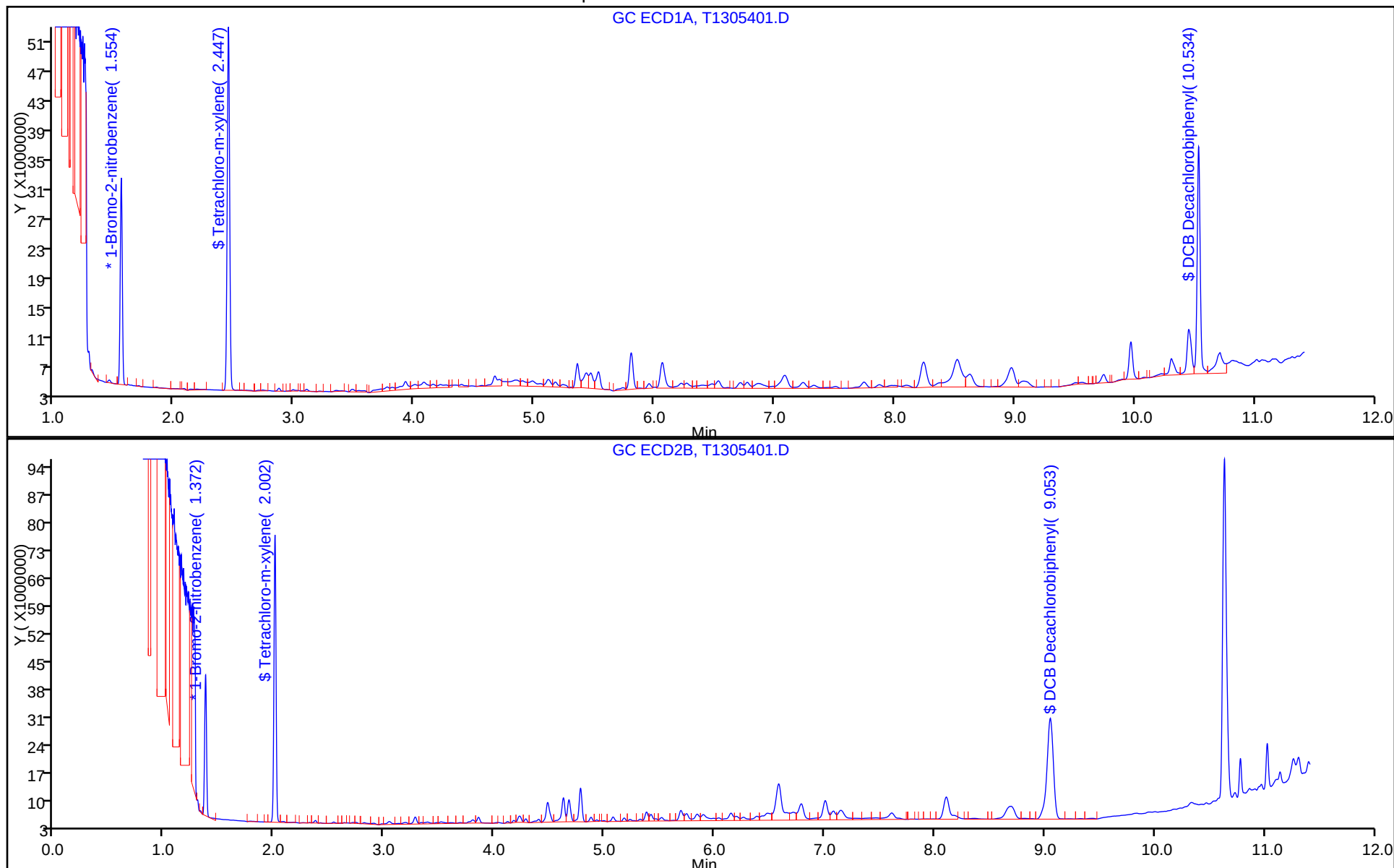
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 30

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Client Sample ID: ES-19 Lab Sample ID: 460-99997-19
Matrix: Solid Lab File ID: T1305402.D
Analysis Method: 8082A Date Collected: 08/20/2015 14:37
Extraction Method: 3546 Date Extracted: 08/21/2015 22:24
Sample wt/vol: 15.0414(g) Date Analyzed: 08/23/2015 15:21
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: 17.5 GPC Cleanup: (Y/N) N
Analysis Batch No.: 318286 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	101		30-150
877-09-8	Tetrachloro-m-xylene	96		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305402.D
 Lims ID: 460-99997-E-19-B Lab Sample ID: 460-99997-19
 Client ID: ES-19
 Sample Type: Client
 Inject. Date: 23-Aug-2015 15:21:26 ALS Bottle#: 31 Worklist Smp#: 31
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-031
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D

Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK034

First Level Reviewer: patelji Date: 24-Aug-2015 09:25:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.554	1.551	0.003	32045655	20.0
2	1.371	1.366	0.005	41996514	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.446	2.445	0.001	68276539	48.0
2	2.002	1.998	0.004	94197882	48.0

RPD = 0.01

\$ 11 DCB Decachlorobiphenyl

1	10.543	10.533	0.010	53731274	50.7
2	9.052	9.049	0.003	103443027	52.5

RPD = 3.59

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305402.D

Injection Date: 23-Aug-2015 15:21:26

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-19-B

Lab Sample ID: 460-99997-19

Worklist Smp#: 31

Client ID: ES-19

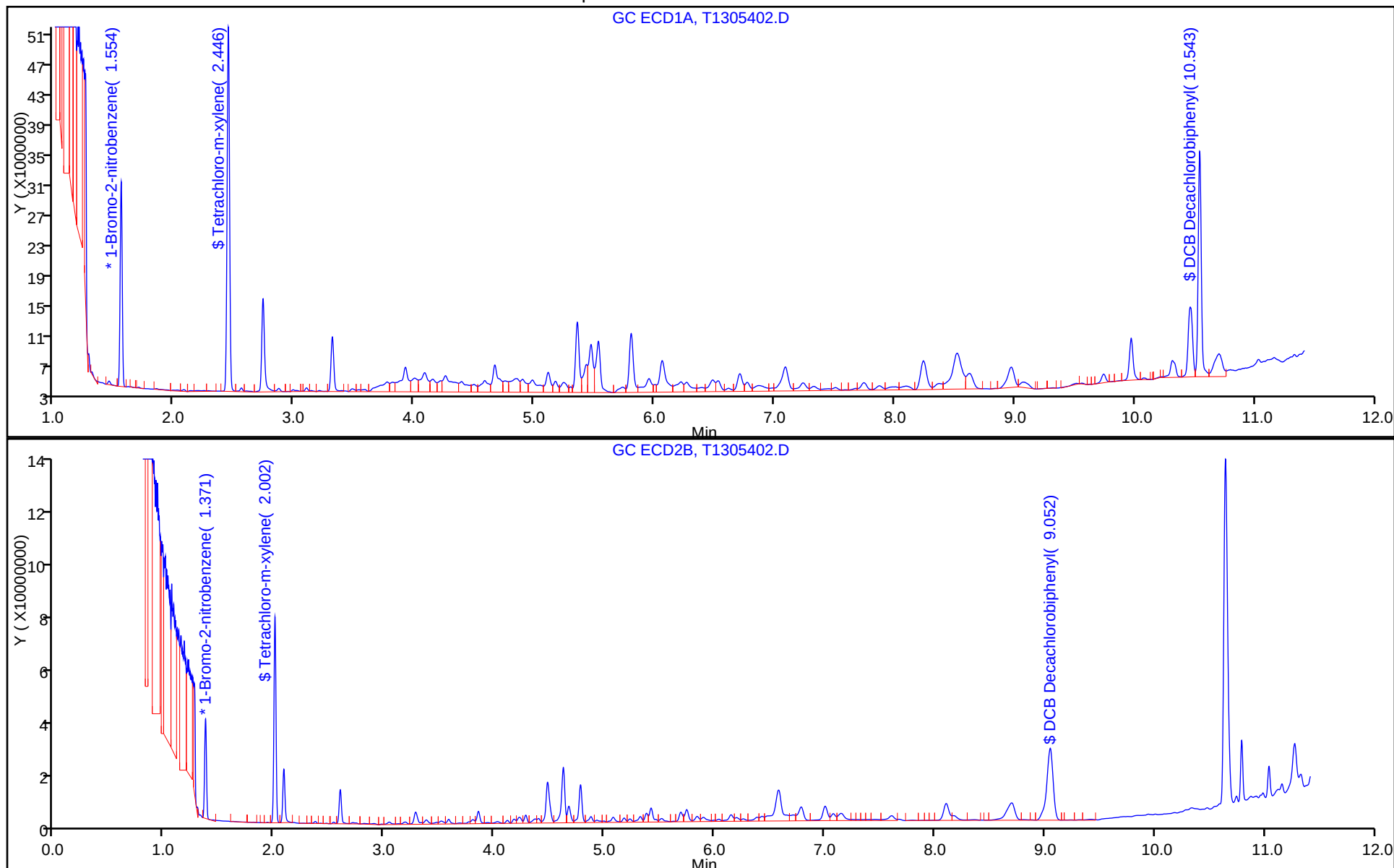
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 31

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-19</u>	Lab Sample ID: <u>460-99997-19</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1305402.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>08/20/2015 14:37</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>08/21/2015 22:24</u>
Sample wt/vol: <u>15.0414(g)</u>	Date Analyzed: <u>08/23/2015 15:21</u>
Con. Extract Vol.: <u>10 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	GC Column: <u>CLP-1</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>17.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318286</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.011	U	0.081	0.011
11104-28-2	Aroclor 1221	0.011	U	0.081	0.011
11141-16-5	Aroclor 1232	0.011	U	0.081	0.011
53469-21-9	Aroclor 1242	0.011	U	0.081	0.011
12672-29-6	Aroclor 1248	0.011	U	0.081	0.011
11097-69-1	Aroclor 1254	0.011	U	0.081	0.011
11096-82-5	Aroclor 1260	0.011	U	0.081	0.011
37324-23-5	Aroclor 1262	0.011	U	0.081	0.011
11100-14-4	Aroclor 1268	0.011	U	0.081	0.011
1336-36-3	Polychlorinated biphenyls, Total	0.011	U	0.081	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	105		30-150
877-09-8	Tetrachloro-m-xylene	96		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305402.D
 Lims ID: 460-99997-E-19-B Lab Sample ID: 460-99997-19
 Client ID: ES-19
 Sample Type: Client
 Inject. Date: 23-Aug-2015 15:21:26 ALS Bottle#: 31 Worklist Smp#: 31
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-031
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK034

First Level Reviewer: patelji

Date: 24-Aug-2015 09:25:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.554	1.551	0.003	32045655	20.0
2	1.371	1.366	0.005	41996514	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.446	2.445	0.001	68276539	48.0
2	2.002	1.998	0.004	94197882	48.0

RPD = 0.01

\$ 11 DCB Decachlorobiphenyl

1	10.543	10.533	0.010	53731274	50.7
2	9.052	9.049	0.003	103443027	52.5

RPD = 3.59

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305402.D

Injection Date: 23-Aug-2015 15:21:26

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-19-B

Lab Sample ID: 460-99997-19

Worklist Smp#: 31

Client ID: ES-19

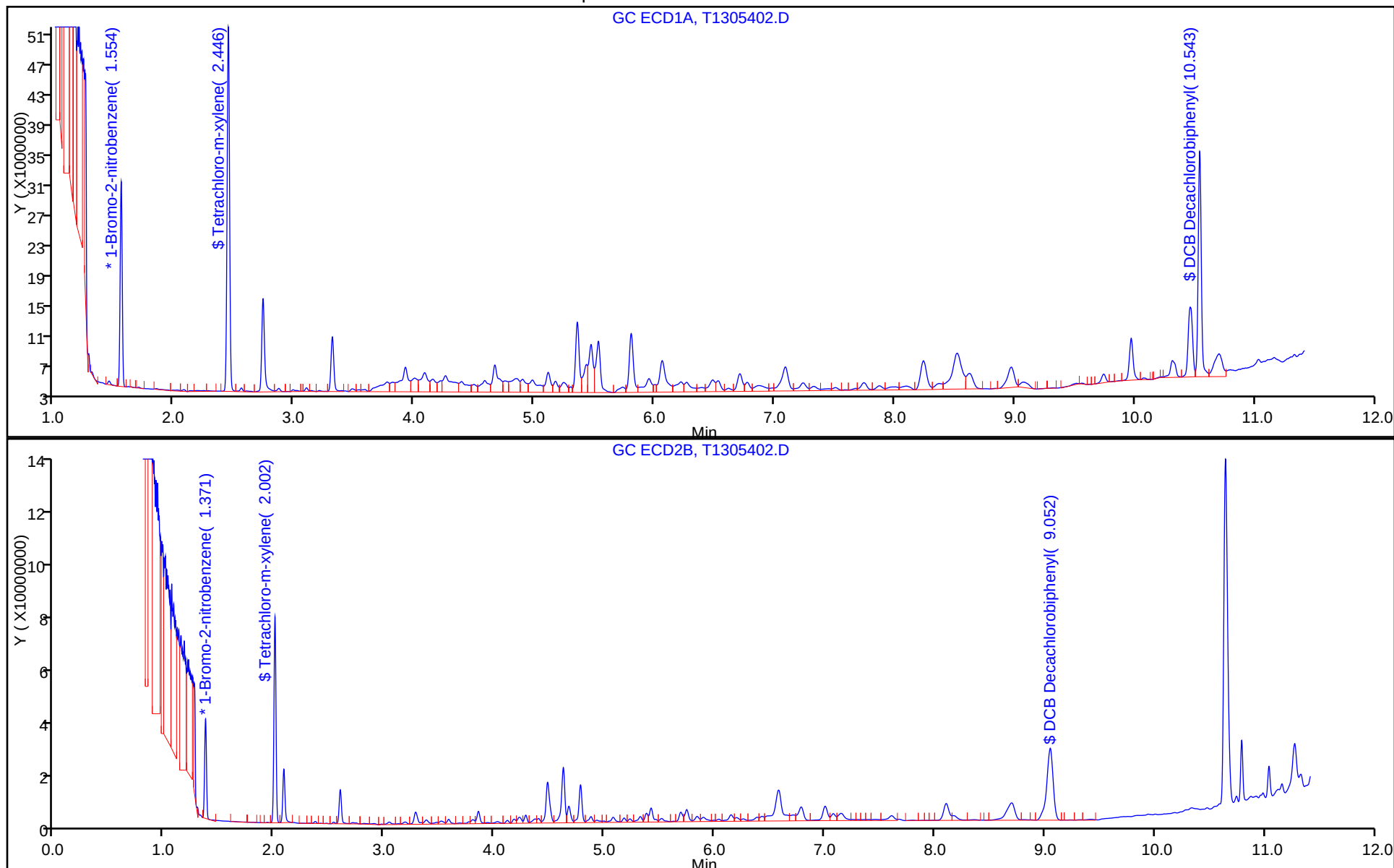
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 31

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Client Sample ID: ES-20 Lab Sample ID: 460-99997-20
Matrix: Solid Lab File ID: T1305403.D
Analysis Method: 8082A Date Collected: 08/20/2015 14:50
Extraction Method: 3546 Date Extracted: 08/21/2015 22:24
Sample wt/vol: 15.0321(g) Date Analyzed: 08/23/2015 15:35
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: 14.9 GPC Cleanup: (Y/N) N
Analysis Batch No.: 318286 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	105		30-150
877-09-8	Tetrachloro-m-xylene	104		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305403.D
 Lims ID: 460-99997-E-20-B Lab Sample ID: 460-99997-20
 Client ID: ES-20
 Sample Type: Client
 Inject. Date: 23-Aug-2015 15:35:57 ALS Bottle#: 32 Worklist Smp#: 32
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-032
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D

Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK034

First Level Reviewer: patelji Date: 24-Aug-2015 07:50:39

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.553	1.551	0.002	30977437	20.0
2	1.370	1.366	0.004	40578069	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.447	2.445	0.002	71286164	51.8
2	2.002	1.998	0.004	99274843	52.4

RPD = 0.99

\$ 11 DCB Decachlorobiphenyl

1	10.543	10.533	0.010	53887156	52.6
2	9.053	9.049	0.004	105827161	55.6

RPD = 5.63

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305403.D

Injection Date: 23-Aug-2015 15:35:57

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-20-B

Lab Sample ID: 460-99997-20

Worklist Smp#: 32

Client ID: ES-20

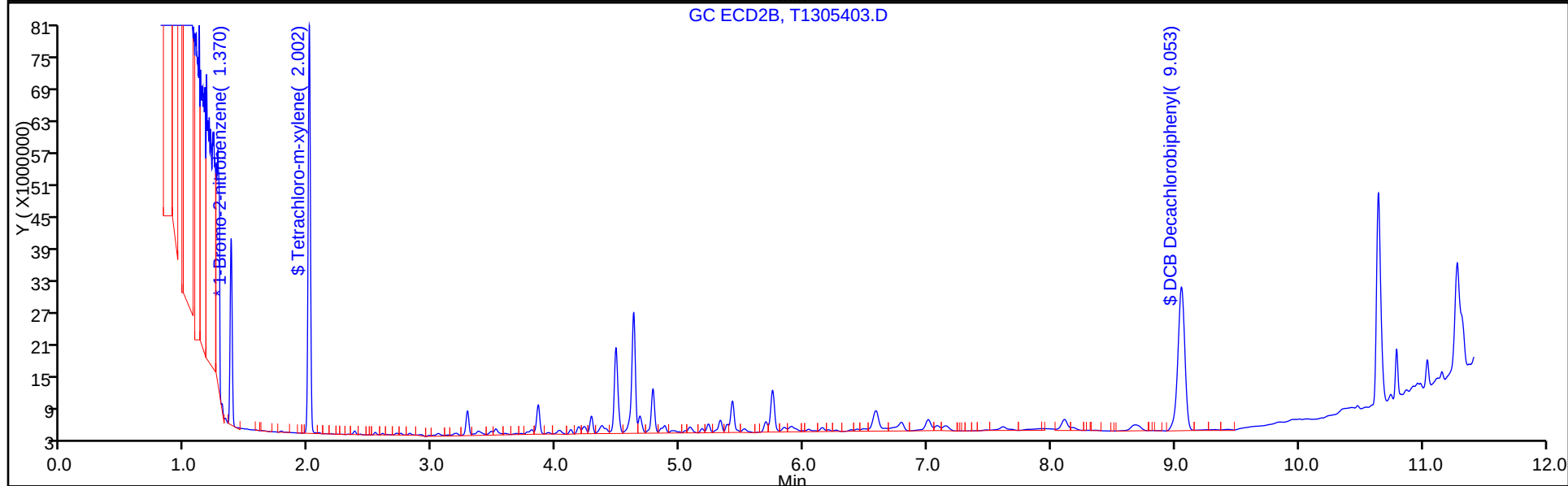
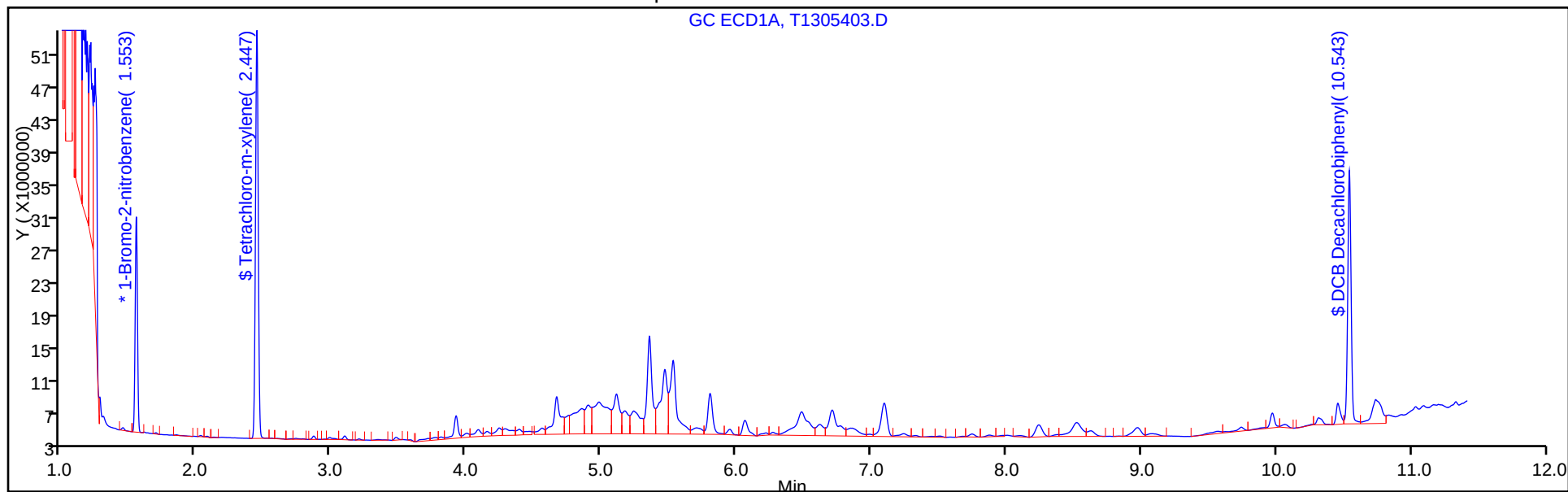
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 32

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-20</u>	Lab Sample ID: <u>460-99997-20</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1305403.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>08/20/2015 14:50</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>08/21/2015 22:24</u>
Sample wt/vol: <u>15.0321(g)</u>	Date Analyzed: <u>08/23/2015 15:35</u>
Con. Extract Vol.: <u>10 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	GC Column: <u>CLP-1</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>14.9</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318286</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.010	U	0.079	0.010
11104-28-2	Aroclor 1221	0.010	U	0.079	0.010
11141-16-5	Aroclor 1232	0.010	U	0.079	0.010
53469-21-9	Aroclor 1242	0.010	U	0.079	0.010
12672-29-6	Aroclor 1248	0.010	U	0.079	0.010
11097-69-1	Aroclor 1254	0.011	U	0.079	0.011
11096-82-5	Aroclor 1260	0.011	U	0.079	0.011
37324-23-5	Aroclor 1262	0.011	U	0.079	0.011
11100-14-4	Aroclor 1268	0.011	U	0.079	0.011
1336-36-3	Polychlorinated biphenyls, Total	0.011	U	0.079	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	111		30-150
877-09-8	Tetrachloro-m-xylene	105		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305403.D
 Lims ID: 460-99997-E-20-B Lab Sample ID: 460-99997-20
 Client ID: ES-20
 Sample Type: Client
 Inject. Date: 23-Aug-2015 15:35:57 ALS Bottle#: 32 Worklist Smp#: 32
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-032
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 24-Aug-2015 09:25:32 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D

Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK034

First Level Reviewer: patelji Date: 24-Aug-2015 07:50:39

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.553	1.551	0.002	30977437	20.0
2	1.370	1.366	0.004	40578069	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.447	2.445	0.002	71286164	51.8
2	2.002	1.998	0.004	99274843	52.4

RPD = 0.99

\$ 11 DCB Decachlorobiphenyl

1	10.543	10.533	0.010	53887156	52.6
2	9.053	9.049	0.004	105827161	55.6

RPD = 5.63

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305403.D

Injection Date: 23-Aug-2015 15:35:57

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-20-B

Lab Sample ID: 460-99997-20

Worklist Smp#: 32

Client ID: ES-20

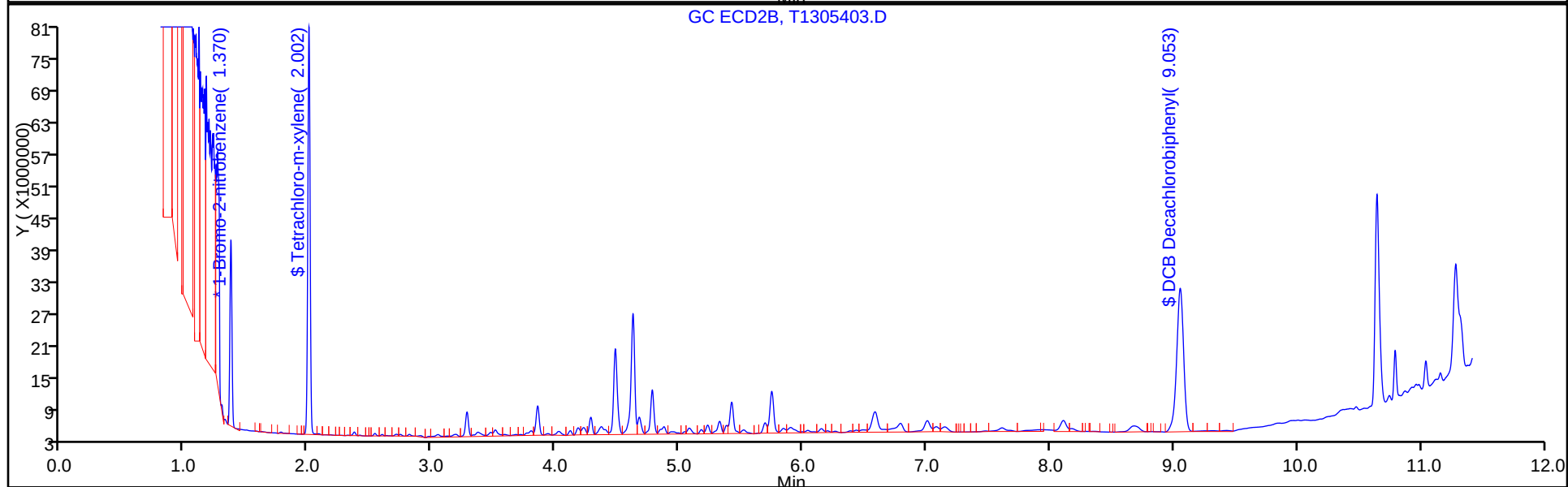
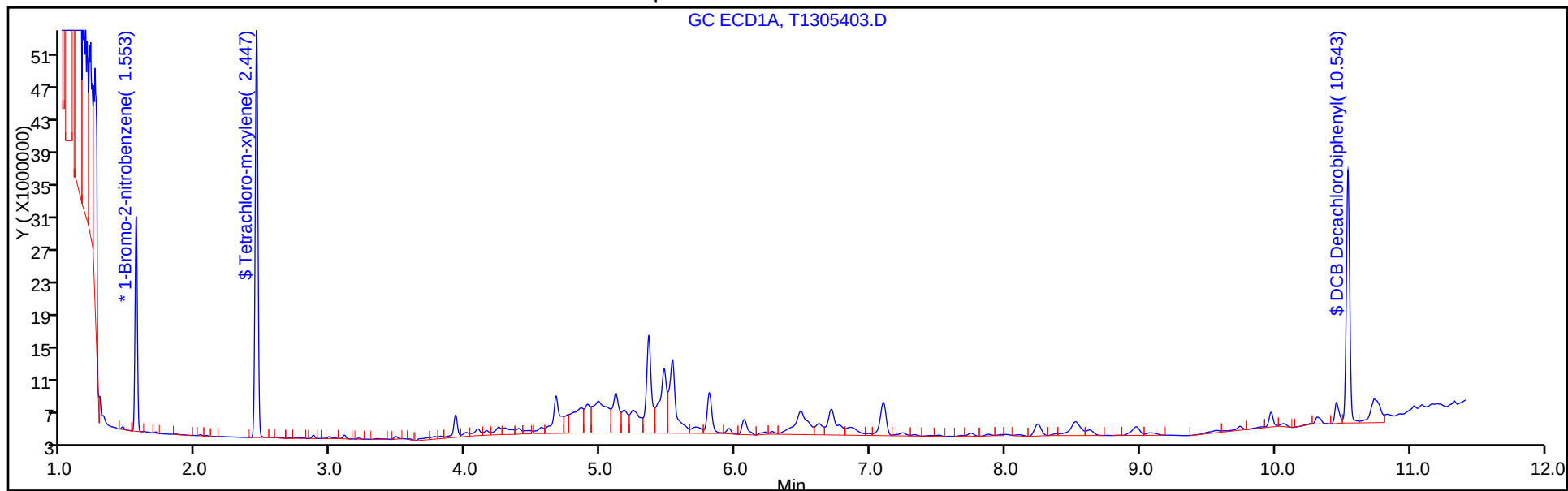
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 32

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Client Sample ID: ES-21 Lab Sample ID: 460-99997-21
Matrix: Solid Lab File ID: T1305361.D
Analysis Method: 8082A Date Collected: 08/20/2015 15:37
Extraction Method: 3546 Date Extracted: 08/21/2015 22:18
Sample wt/vol: 15.0217(g) Date Analyzed: 08/22/2015 10:26
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: 13.6 GPC Cleanup: (Y/N) N
Analysis Batch No.: 318197 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	114		30-150
877-09-8	Tetrachloro-m-xylene	111		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150822-31006.b\T1305361.D
 Lims ID: 460-99997-E-21-G Lab Sample ID: 460-99997-21
 Client ID: ES-21
 Sample Type: Client
 Inject. Date: 22-Aug-2015 10:26:30 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031006-007
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150822-31006.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 22-Aug-2015 09:55:42 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D

Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK001

First Level Reviewer: adoum Date: 22-Aug-2015 10:43:05

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.552	1.554	-0.002	30673370	20.0
2	1.369	1.360	0.009	40441447	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.446	2.450	-0.004	75236332	55.3
2	2.001	1.989	0.012	105517964	55.8

RPD = 1.05

\$ 11 DCB Decachlorobiphenyl

1	10.547	10.559	-0.012	57970353	57.1
2	9.055	9.046	0.009	112239776	59.2

RPD = 3.56

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150822-31006.b\\T1305361.D

Injection Date: 22-Aug-2015 10:26:30

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-21-G

Lab Sample ID: 460-99997-21

Worklist Smp#: 7

Client ID: ES-21

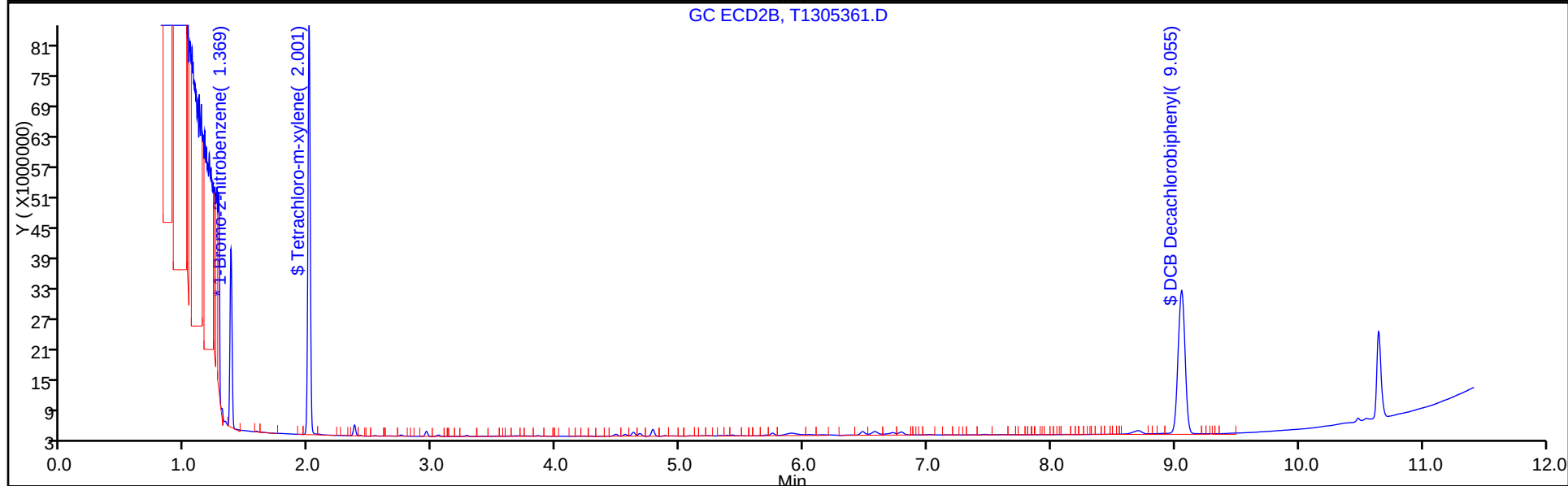
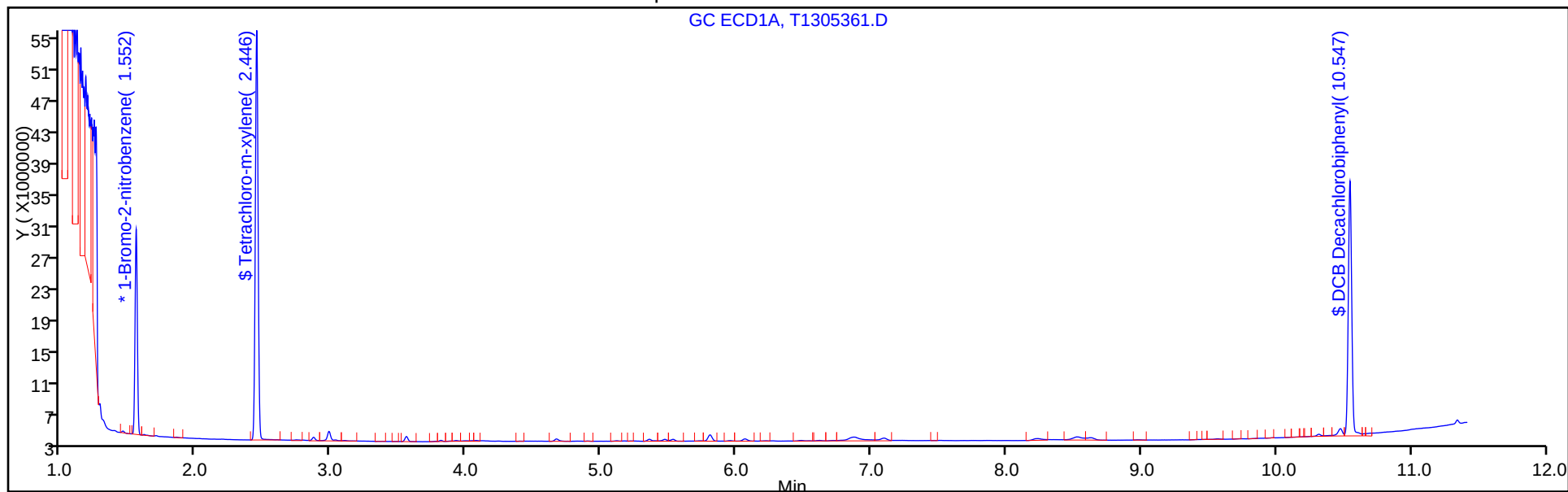
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 7

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-21</u>	Lab Sample ID: <u>460-99997-21</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1305361.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>08/20/2015 15:37</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>08/21/2015 22:18</u>
Sample wt/vol: <u>15.0217(g)</u>	Date Analyzed: <u>08/22/2015 10:26</u>
Con. Extract Vol.: <u>10 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	GC Column: <u>CLP-1</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>13.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318197</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.010	U	0.077	0.010
11104-28-2	Aroclor 1221	0.010	U	0.077	0.010
11141-16-5	Aroclor 1232	0.010	U	0.077	0.010
53469-21-9	Aroclor 1242	0.010	U	0.077	0.010
12672-29-6	Aroclor 1248	0.010	U	0.077	0.010
11097-69-1	Aroclor 1254	0.011	U	0.077	0.011
11096-82-5	Aroclor 1260	0.011	U F1	0.077	0.011
37324-23-5	Aroclor 1262	0.011	U	0.077	0.011
11100-14-4	Aroclor 1268	0.011	U	0.077	0.011
1336-36-3	Polychlorinated biphenyls, Total	0.011	U	0.077	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	118		30-150
877-09-8	Tetrachloro-m-xylene	112		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150822-31006.b\T1305361.D
 Lims ID: 460-99997-E-21-G Lab Sample ID: 460-99997-21
 Client ID: ES-21
 Sample Type: Client
 Inject. Date: 22-Aug-2015 10:26:30 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031006-007
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150822-31006.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 22-Aug-2015 09:55:42 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D

Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK001

First Level Reviewer: adoum Date: 22-Aug-2015 10:43:05

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.552	1.554	-0.002	30673370	20.0
2	1.369	1.360	0.009	40441447	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.446	2.450	-0.004	75236332	55.3
2	2.001	1.989	0.012	105517964	55.8

RPD = 1.05

\$ 11 DCB Decachlorobiphenyl

1	10.547	10.559	-0.012	57970353	57.1
2	9.055	9.046	0.009	112239776	59.2

RPD = 3.56

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150822-31006.b\\T1305361.D

Injection Date: 22-Aug-2015 10:26:30

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-21-G

Lab Sample ID: 460-99997-21

Worklist Smp#: 7

Client ID: ES-21

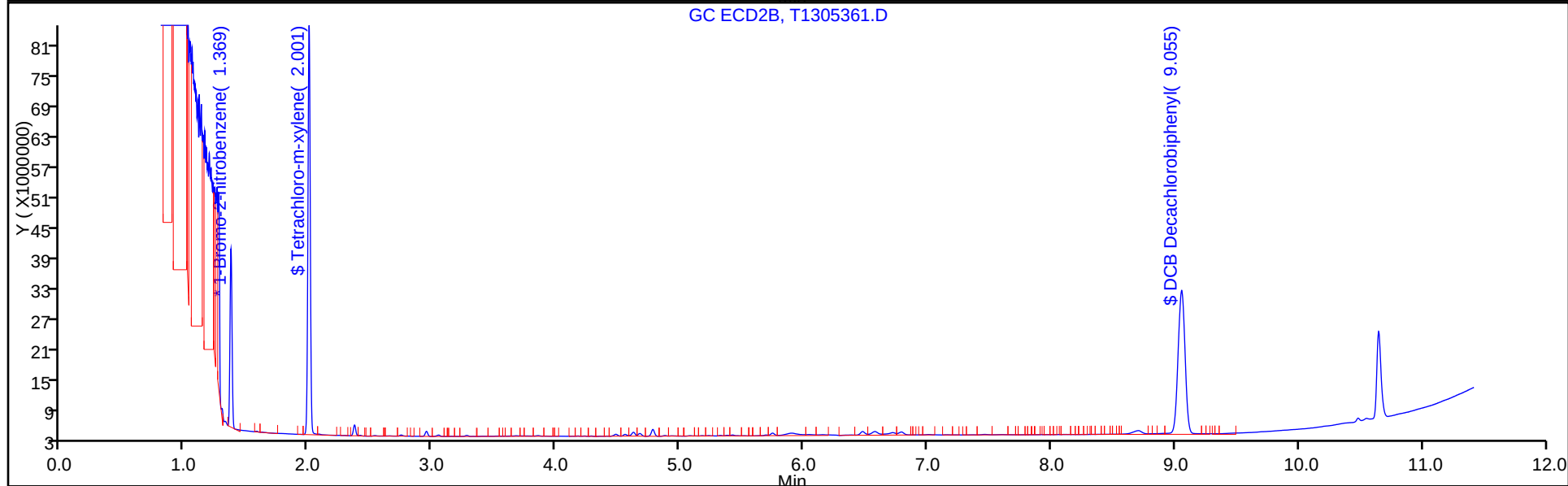
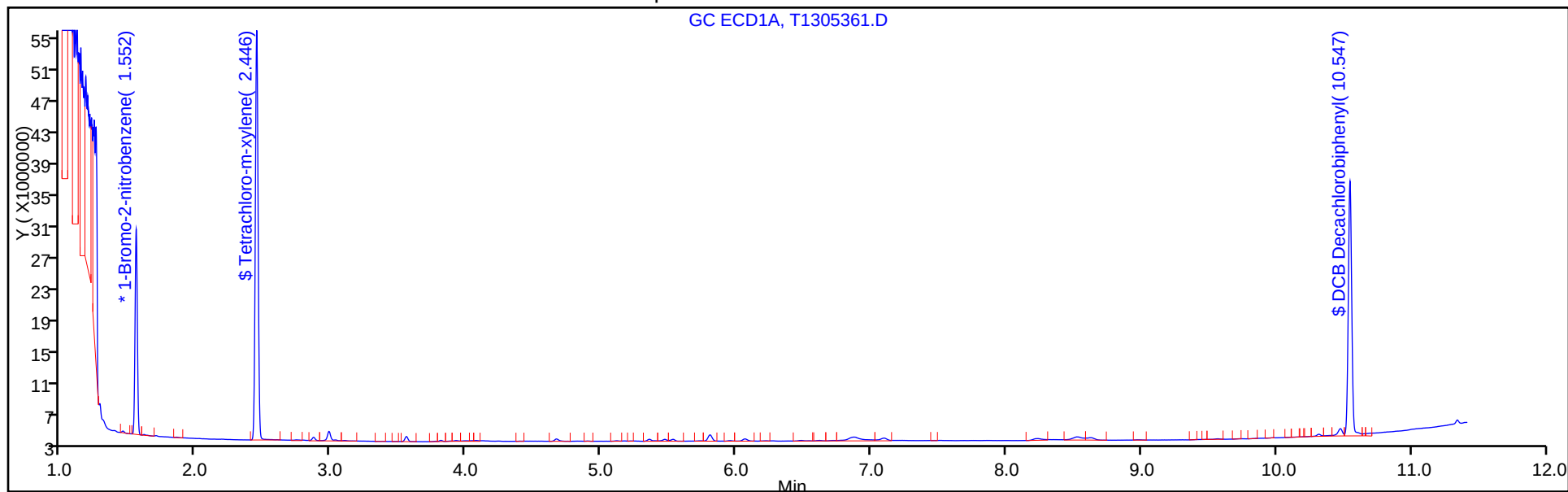
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 7

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Client Sample ID: ES-22 Lab Sample ID: 460-99997-22
Matrix: Solid Lab File ID: T1305364.D
Analysis Method: 8082A Date Collected: 08/20/2015 16:01
Extraction Method: 3546 Date Extracted: 08/21/2015 22:18
Sample wt/vol: 15.0128(g) Date Analyzed: 08/22/2015 11:10
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: 15.9 GPC Cleanup: (Y/N) N
Analysis Batch No.: 318197 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	124		30-150
877-09-8	Tetrachloro-m-xylene	121		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150822-31006.b\T1305364.D
 Lims ID: 460-99997-E-22-C Lab Sample ID: 460-99997-22
 Client ID: ES-22
 Sample Type: Client
 Inject. Date: 22-Aug-2015 11:10:09 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031006-010
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150822-31006.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 23-Aug-2015 09:05:19 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK037

First Level Reviewer: adoum

Date: 22-Aug-2015 11:48:40

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.552	1.552	0.000	28536540	20.0
2	1.371	1.368	0.003	55614579	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.446	2.446	0.000	76524920	60.4
2	2.001	1.999	0.002	108771836	41.9

RPD = 36.29

\$ 11 DCB Decachlorobiphenyl

1	10.546	10.532	0.014	58745360	62.2
2	9.053	9.054	-0.001	113968885	43.7

RPD = 34.96

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150822-31006.b\T1305364.D

Injection Date: 22-Aug-2015 11:10:09

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-22-C

Lab Sample ID: 460-99997-22

Worklist Smp#: 10

Client ID: ES-22

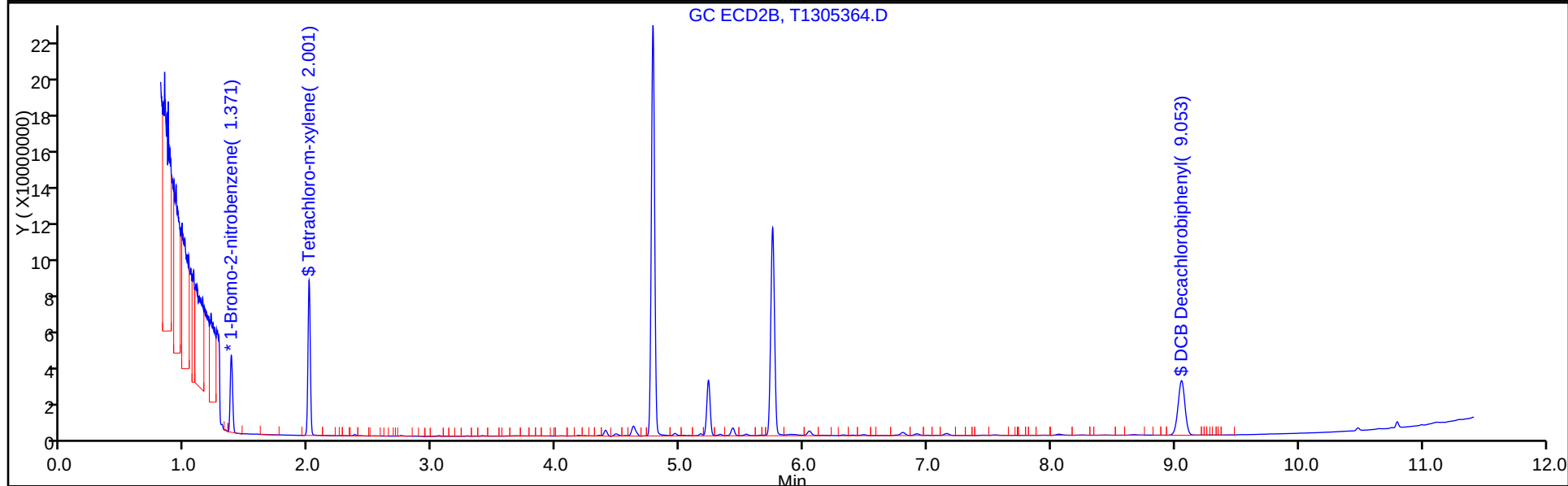
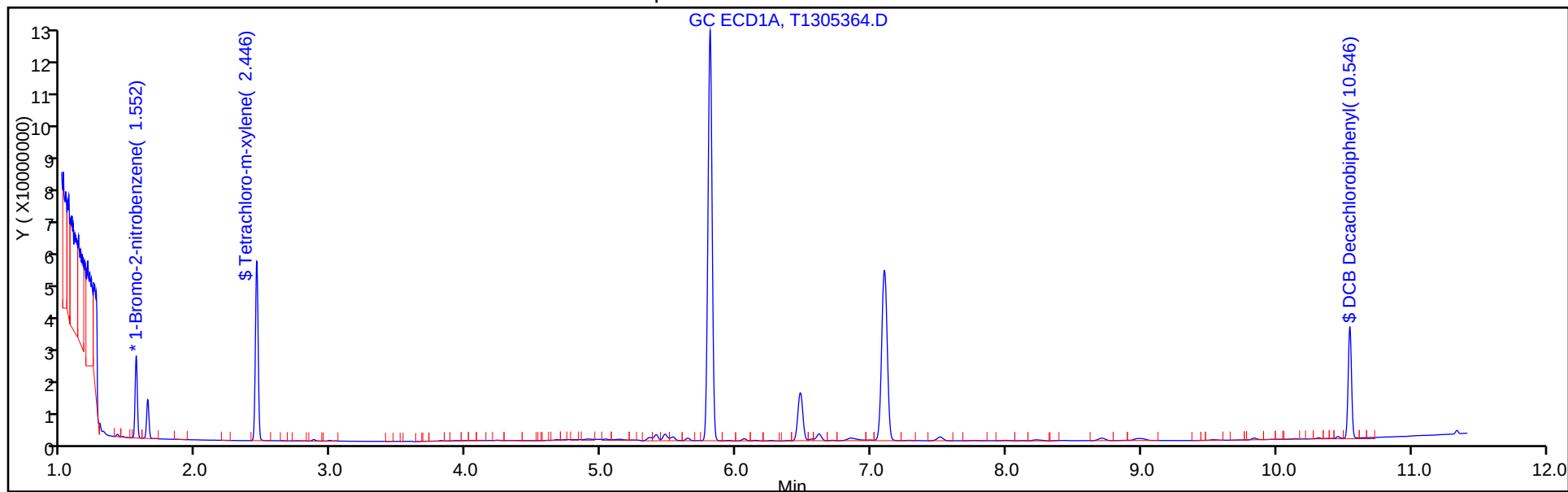
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 10

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-22</u>	Lab Sample ID: <u>460-99997-22</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1305364.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>08/20/2015 16:01</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>08/21/2015 22:18</u>
Sample wt/vol: <u>15.0128(g)</u>	Date Analyzed: <u>08/22/2015 11:10</u>
Con. Extract Vol.: <u>10(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	GC Column: <u>CLP-1</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>15.9</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318197</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.011	U	0.080	0.011
11104-28-2	Aroclor 1221	0.011	U	0.080	0.011
11141-16-5	Aroclor 1232	0.011	U	0.080	0.011
53469-21-9	Aroclor 1242	0.011	U	0.080	0.011
12672-29-6	Aroclor 1248	0.011	U	0.080	0.011
11097-69-1	Aroclor 1254	0.011	U	0.080	0.011
11096-82-5	Aroclor 1260	0.011	U	0.080	0.011
37324-23-5	Aroclor 1262	0.011	U	0.080	0.011
11100-14-4	Aroclor 1268	0.011	U	0.080	0.011
1336-36-3	Polychlorinated biphenyls, Total	0.011	U	0.080	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	87		30-150
877-09-8	Tetrachloro-m-xylene	84		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150822-31006.b\T1305364.D
 Lims ID: 460-99997-E-22-C Lab Sample ID: 460-99997-22
 Client ID: ES-22
 Sample Type: Client
 Inject. Date: 22-Aug-2015 11:10:09 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031006-010
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150822-31006.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 23-Aug-2015 09:05:19 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D

Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK037

First Level Reviewer: adoum Date: 22-Aug-2015 11:48:40

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.552	1.552	0.000	28536540	20.0
2	1.371	1.368	0.003	55614579	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.446	2.446	0.000	76524920	60.4
2	2.001	1.999	0.002	108771836	41.9

RPD = 36.29

\$ 11 DCB Decachlorobiphenyl

1	10.546	10.532	0.014	58745360	62.2
2	9.053	9.054	-0.001	113968885	43.7

RPD = 34.96

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150822-31006.b\T1305364.D

Injection Date: 22-Aug-2015 11:10:09

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-99997-E-22-C

Lab Sample ID: 460-99997-22

Worklist Smp#: 10

Client ID: ES-22

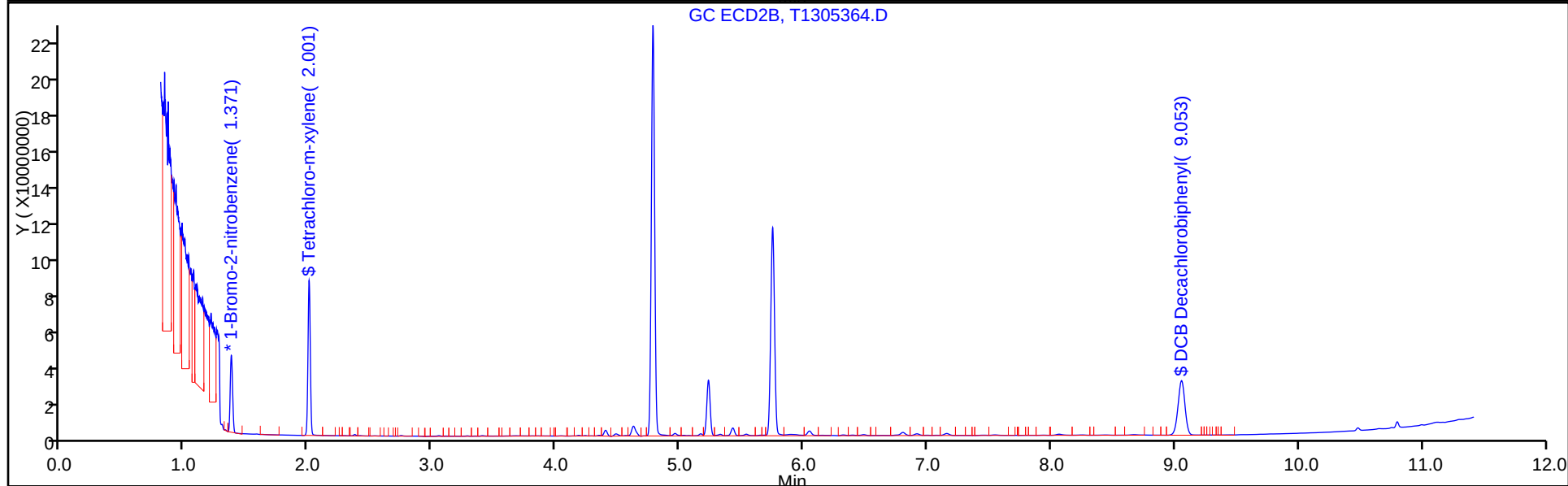
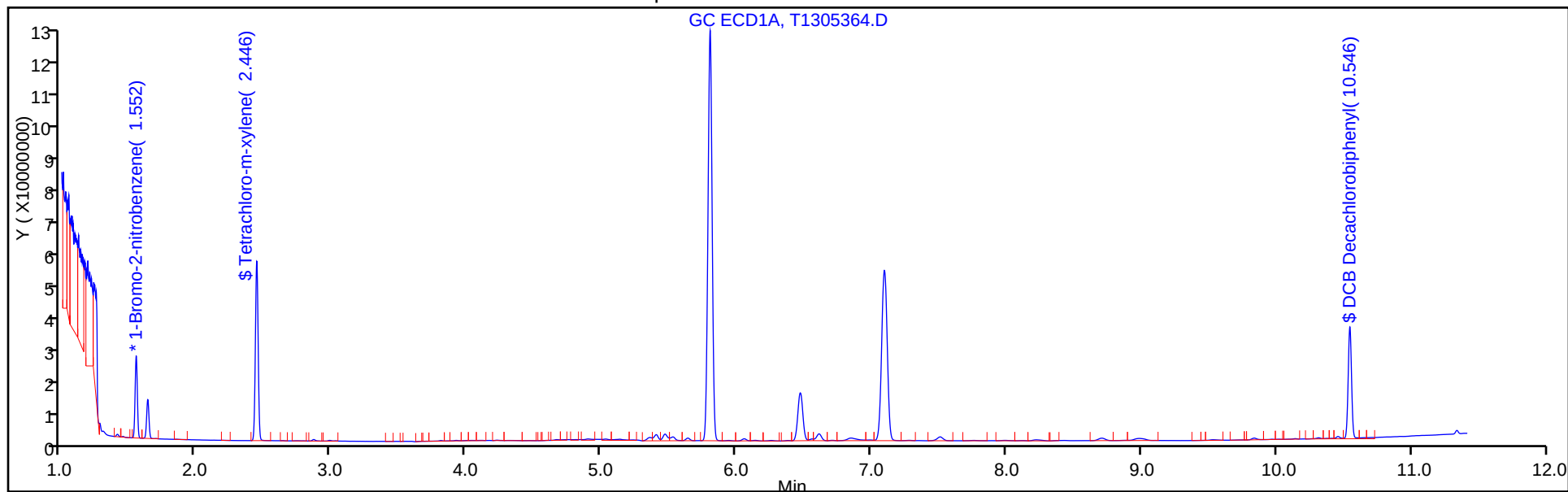
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 10

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM VI
GC SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314126

SDG No.: _____

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2015 11:15 Calibration End Date: 08/02/2015 12:13 Calibration ID: 51529

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-314126/2	T1305294.D
Level 2	IC 460-314126/3	T1305295.D
Level 3	IC 460-314126/4	T1305296.D
Level 4	IC 460-314126/5	T1305297.D
Level 5	IC 460-314126/6	T1305298.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0196	0.0184	0.0166	0.0169	0.0169	Ave		0.0177				7.3		20.0			0.9900
PCB-1016 Peak 2	0.0363	0.0357	0.0315	0.0325	0.0327	Ave		0.0337				6.3		20.0			0.9900
PCB-1016 Peak 3	0.0793	0.0714	0.0636	0.0661	0.0670	Ave		0.0695				8.9		20.0			0.9900
PCB-1016 Peak 4	0.0279	0.0236	0.0213	0.0219	0.0221	Ave		0.0234				11.4		20.0			0.9900
PCB-1016 Peak 5	0.0270	0.0270	0.0244	0.0253	0.0256	Ave		0.0259				4.3		20.0			0.9900
PCB-1260 Peak 1	0.0527	0.0494	0.0438	0.0458	0.0464	Ave		0.0476				7.3		20.0			0.9900
PCB-1260 Peak 2	0.0561	0.0549	0.0484	0.0508	0.0514	Ave		0.0523				6.0		20.0			0.9900
PCB-1260 Peak 3	0.0405	0.0399	0.0360	0.0377	0.0379	Ave		0.0384				4.7		20.0			0.9900
PCB-1260 Peak 4	0.0910	0.0885	0.0792	0.0838	0.0849	Ave		0.0855				5.3		20.0			0.9900
PCB-1260 Peak 5	0.0226	0.0222	0.0200	0.0211	0.0212	Ave		0.0214				4.8		20.0			0.9900
Tetrachloro-m-xylene	0.8936	0.8880	0.8844	0.8626	0.9102	Ave		0.8878				1.9		20.0			0.9900
DCB Decachlorobiphenyl	0.7064	0.6615	0.6409	0.6326	0.6675	Ave		0.6618				4.4		20.0			0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314126

SDG No.: _____

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2015 11:15 Calibration End Date: 08/02/2015 12:13 Calibration ID: 51529

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-314126/2	T1305294.D
Level 2	IC 460-314126/3	T1305295.D
Level 3	IC 460-314126/4	T1305296.D
Level 4	IC 460-314126/5	T1305297.D
Level 5	IC 460-314126/6	T1305298.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Ave	1335406	11922280	21750628	32564130	51591350	50.0	500	1000	1500	2500
PCB-1016 Peak 2	BNB	Ave	2473032	23074666	41248459	62666863	99887391	50.0	500	1000	1500	2500
PCB-1016 Peak 3	BNB	Ave	5397157	46188173	83199448	127349298	204793319	50.0	500	1000	1500	2500
PCB-1016 Peak 4	BNB	Ave	1899472	15269790	27874482	42236282	67627418	50.0	500	1000	1500	2500
PCB-1016 Peak 5	BNB	Ave	1836791	17464994	31929600	48731258	78299345	50.0	500	1000	1500	2500
PCB-1260 Peak 1	BNB	Ave	3588458	31950176	57310163	88196317	141857195	50.0	500	1000	1500	2500
PCB-1260 Peak 2	BNB	Ave	3818763	35500214	63296754	97834432	157163041	50.0	500	1000	1500	2500
PCB-1260 Peak 3	BNB	Ave	2756952	25835803	47054078	72664310	116010419	50.0	500	1000	1500	2500
PCB-1260 Peak 4	BNB	Ave	6195654	57228673	103568364	161316696	259561875	50.0	500	1000	1500	2500
PCB-1260 Peak 5	BNB	Ave	1535892	14375309	26148855	40595155	64870120	50.0	500	1000	1500	2500
Tetrachloro-m-xylene	BNB	Ave	15211371	57440719	115700443	166083391	222660078	12.5	50.0	100	150	200
DCB Decachlorobiphenyl	BNB	Ave	12024925	42787094	83837065	121789396	163296590	12.5	50.0	100	150	200

Curve Type Legend:

Ave = Average ISTD

FORM VI
GC SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314126

SDG No.: _____

Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2015 11:15 Calibration End Date: 08/02/2015 12:13 Calibration ID: 51530

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-314126/2	T1305294.D
Level 2	IC 460-314126/3	T1305295.D
Level 3	IC 460-314126/4	T1305296.D
Level 4	IC 460-314126/5	T1305297.D
Level 5	IC 460-314126/6	T1305298.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0217	0.0194	0.0174	0.0178	0.0180	Ave		0.0189				9.2		20.0			0.9900
PCB-1016 Peak 2	0.0405	0.0375	0.0336	0.0344	0.0349	Ave		0.0362				7.8		20.0			0.9900
PCB-1016 Peak 3	0.0825	0.0798	0.0717	0.0741	0.0755	Ave		0.0767				5.7		20.0			0.9900
PCB-1016 Peak 4	0.0363	0.0347	0.0313	0.0325	0.0329	Ave		0.0335				5.9		20.0			0.9900
PCB-1016 Peak 5	0.0394	0.0344	0.0309	0.0323	0.0325	Ave		0.0339				9.8		20.0			0.9900
PCB-1260 Peak 1	0.0527	0.0487	0.0441	0.0461	0.0464	Ave		0.0476				6.9		20.0			0.9900
PCB-1260 Peak 2	0.0510	0.0465	0.0419	0.0444	0.0449	Ave		0.0458				7.4		20.0			0.9900
PCB-1260 Peak 3	0.1055	0.1007	0.0914	0.0968	0.0977	Ave		0.0984				5.3		20.0			0.9900
PCB-1260 Peak 4	0.0595	0.0564	0.0520	0.0551	0.0557	Ave		0.0557				4.8		20.0			0.9900
PCB-1260 Peak 5	0.0278	0.0269	0.0246	0.0259	0.0263	Ave		0.0263				4.5		20.0			0.9900
Tetrachloro-m-xylene	0.9675	0.9340	0.9264	0.8862	0.9585	Ave		0.9345				3.4		20.0			0.9900
DCB Decachlorobiphenyl	1.0101	0.9192	0.9251	0.8982	0.9366	Ave		0.9379				4.6		20.0			0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314126

SDG No.: _____

Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2015 11:15 Calibration End Date: 08/02/2015 12:13 Calibration ID: 51530

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-314126/2	T1305294.D
Level 2	IC 460-314126/3	T1305295.D
Level 3	IC 460-314126/4	T1305296.D
Level 4	IC 460-314126/5	T1305297.D
Level 5	IC 460-314126/6	T1305298.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Ave	1816149	15882988	28380345	43150666	69585451	50.0	500	1000	1500	2500
PCB-1016 Peak 2	BNB	Ave	3394816	30790683	54676485	83517686	134896108	50.0	500	1000	1500	2500
PCB-1016 Peak 3	BNB	Ave	6918606	65496519	116783920	179787182	291512605	50.0	500	1000	1500	2500
PCB-1016 Peak 4	BNB	Ave	3041234	28500792	50908929	78832198	127042479	50.0	500	1000	1500	2500
PCB-1016 Peak 5	BNB	Ave	3306953	28255718	50342088	78483709	125659668	50.0	500	1000	1500	2500
PCB-1260 Peak 1	BNB	Ave	4420820	39935675	71821557	111838155	179338119	50.0	500	1000	1500	2500
PCB-1260 Peak 2	BNB	Ave	4279021	38118258	68285904	107870468	173451849	50.0	500	1000	1500	2500
PCB-1260 Peak 3	BNB	Ave	8842055	82637182	148759245	235054347	377124065	50.0	500	1000	1500	2500
PCB-1260 Peak 4	BNB	Ave	4988883	46252520	84614421	133825782	215136224	50.0	500	1000	1500	2500
PCB-1260 Peak 5	BNB	Ave	2326948	22090285	40073576	62963400	101609851	50.0	500	1000	1500	2500
Tetrachloro-m-xylene	BNB	Ave	20280770	76613295	150845152	215115952	296068437	12.5	50.0	100	150	200
DCB Decachlorobiphenyl	BNB	Ave	21174637	75399889	150628924	218022764	289312996	12.5	50.0	100	150	200

Curve Type Legend:

Ave = Average ISTD

FORM VI
GC SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314126

SDG No.: _____

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2015 12:47 Calibration End Date: 08/02/2015 12:47 Calibration ID: 51535

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-314126/8	T1305300.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1221 Peak 1	0.0064					Ave		0.0064						20.0			0.9900
PCB-1221 Peak 2	0.0085					Ave		0.0085						20.0			0.9900
PCB-1221 Peak 3	0.0055					Ave		0.0055						20.0			0.9900
PCB-1221 Peak 4	0.0204					Ave		0.0204						20.0			0.9900
PCB-1221 Peak 5	0.0028					Ave		0.0028						20.0			0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314126

SDG No.: _____

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2015 12:47 Calibration End Date: 08/02/2015 12:47 Calibration ID: 51535

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-314126/8	T1305300.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1221 Peak 1	BNB	Ave	8688962					1000				
PCB-1221 Peak 2	BNB	Ave	11627354					1000				
PCB-1221 Peak 3	BNB	Ave	7513256					1000				
PCB-1221 Peak 4	BNB	Ave	27863845					1000				
PCB-1221 Peak 5	BNB	Ave	3854335					1000				

Curve Type Legend:

Ave = Average ISTD

FORM VI
GC SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314126

SDG No.: _____

Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2015 12:47 Calibration End Date: 08/02/2015 12:47 Calibration ID: 51536

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-314126/8	T1305300.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1221 Peak 1	0.0067					Ave		0.0067						20.0			0.9900
PCB-1221 Peak 2	0.0092					Ave		0.0092						20.0			0.9900
PCB-1221 Peak 3	0.0058					Ave		0.0058						20.0			0.9900
PCB-1221 Peak 4	0.0230					Ave		0.0230						20.0			0.9900
PCB-1221 Peak 5	0.0031					Ave		0.0031						20.0			0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314126

SDG No.: _____

Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2015 12:47 Calibration End Date: 08/02/2015 12:47 Calibration ID: 51536

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-314126/8	T1305300.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1221 Peak 1	BNB	Ave	11214700					1000				
PCB-1221 Peak 2	BNB	Ave	15427166					1000				
PCB-1221 Peak 3	BNB	Ave	9665526					1000				
PCB-1221 Peak 4	BNB	Ave	38423133					1000				
PCB-1221 Peak 5	BNB	Ave	5252846					1000				

Curve Type Legend:

Ave = Average ISTD

FORM VI
GC SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314126

SDG No.: _____

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2015 13:01 Calibration End Date: 08/02/2015 13:01 Calibration ID: 51541

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-314126/9	T1305301.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1232 Peak 1	0.0184					Ave		0.0184						20.0			0.9900
PCB-1232 Peak 2	0.0146					Ave		0.0146						20.0			0.9900
PCB-1232 Peak 3	0.0273					Ave		0.0273						20.0			0.9900
PCB-1232 Peak 4	0.0083					Ave		0.0083						20.0			0.9900
PCB-1232 Peak 5	0.0092					Ave		0.0092						20.0			0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314126

SDG No.: _____

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2015 13:01 Calibration End Date: 08/02/2015 13:01 Calibration ID: 51541

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-314126/9	T1305301.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1232 Peak 1	BNB	Ave	24833390					1000				
PCB-1232 Peak 2	BNB	Ave	19702956					1000				
PCB-1232 Peak 3	BNB	Ave	36917415					1000				
PCB-1232 Peak 4	BNB	Ave	11196173					1000				
PCB-1232 Peak 5	BNB	Ave	12502238					1000				

Curve Type Legend:

Ave = Average ISTD

FORM VI
GC SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314126

SDG No.: _____

Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2015 13:01 Calibration End Date: 08/02/2015 13:01 Calibration ID: 51542

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-314126/9	T1305301.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1232 Peak 1	0.0192					Ave		0.0192						20.0			0.9900
PCB-1232 Peak 2	0.0144					Ave		0.0144						20.0			0.9900
PCB-1232 Peak 3	0.0304					Ave		0.0304						20.0			0.9900
PCB-1232 Peak 4	0.0131					Ave		0.0131						20.0			0.9900
PCB-1232 Peak 5	0.0120					Ave		0.0120						20.0			0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314126

SDG No.: _____

Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2015 13:01 Calibration End Date: 08/02/2015 13:01 Calibration ID: 51542

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-314126/9	T1305301.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1232 Peak 1	BNB	Ave	33054840					1000				
PCB-1232 Peak 2	BNB	Ave	24652953					1000				
PCB-1232 Peak 3	BNB	Ave	52152338					1000				
PCB-1232 Peak 4	BNB	Ave	22411578					1000				
PCB-1232 Peak 5	BNB	Ave	20564387					1000				

Curve Type Legend:

Ave = Average ISTD

FORM VI
GC SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314126

SDG No.: _____

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2015 13:16 Calibration End Date: 08/02/2015 13:16 Calibration ID: 51547

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-314126/10	T1305302.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1242 Peak 1	0.0130					Ave		0.0130						20.0			0.9900
PCB-1242 Peak 2	0.0247					Ave		0.0247						20.0			0.9900
PCB-1242 Peak 3	0.0497					Ave		0.0497						20.0			0.9900
PCB-1242 Peak 4	0.0211					Ave		0.0211						20.0			0.9900
PCB-1242 Peak 5	0.0190					Ave		0.0190						20.0			0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314126

SDG No.: _____

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2015 13:16 Calibration End Date: 08/02/2015 13:16 Calibration ID: 51547

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-314126/10	T1305302.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1242 Peak 1	BNB	Ave	17504985					1000				
PCB-1242 Peak 2	BNB	Ave	33116744					1000				
PCB-1242 Peak 3	BNB	Ave	66773668					1000				
PCB-1242 Peak 4	BNB	Ave	28285767					1000				
PCB-1242 Peak 5	BNB	Ave	25549516					1000				

Curve Type Legend:

Ave = Average ISTD

FORM VI
GC SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314126

SDG No.: _____

Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2015 13:16 Calibration End Date: 08/02/2015 13:16 Calibration ID: 51548

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-314126/10	T1305302.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1242 Peak 1	0.0142					Ave		0.0142						20.0			0.9900
PCB-1242 Peak 2	0.0267					Ave		0.0267						20.0			0.9900
PCB-1242 Peak 3	0.0570					Ave		0.0570						20.0			0.9900
PCB-1242 Peak 4	0.0245					Ave		0.0245						20.0			0.9900
PCB-1242 Peak 5	0.0245					Ave		0.0245						20.0			0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314126

SDG No.: _____

Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2015 13:16 Calibration End Date: 08/02/2015 13:16 Calibration ID: 51548

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-314126/10	T1305302.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1242 Peak 1	BNB	Ave	23658938					1000				
PCB-1242 Peak 2	BNB	Ave	44524048					1000				
PCB-1242 Peak 3	BNB	Ave	95082548					1000				
PCB-1242 Peak 4	BNB	Ave	40833895					1000				
PCB-1242 Peak 5	BNB	Ave	40805509					1000				

Curve Type Legend:

Ave = Average ISTD

FORM VI
GC SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314126

SDG No.: _____

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2015 13:30 Calibration End Date: 08/02/2015 13:30 Calibration ID: 51553

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-314126/11	T1305303.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1248 Peak 1	0.0141					Ave		0.0141						20.0			0.9900
PCB-1248 Peak 2	0.0337					Ave		0.0337						20.0			0.9900
PCB-1248 Peak 3	0.0201					Ave		0.0201						20.0			0.9900
PCB-1248 Peak 4	0.0302					Ave		0.0302						20.0			0.9900
PCB-1248 Peak 5	0.0334					Ave		0.0334						20.0			0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314126

SDG No.: _____

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2015 13:30 Calibration End Date: 08/02/2015 13:30 Calibration ID: 51553

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-314126/11	T1305303.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1248 Peak 1	BNB	Ave	18878341					1000				
PCB-1248 Peak 2	BNB	Ave	45141929					1000				
PCB-1248 Peak 3	BNB	Ave	26903181					1000				
PCB-1248 Peak 4	BNB	Ave	40516197					1000				
PCB-1248 Peak 5	BNB	Ave	44732981					1000				

Curve Type Legend:

Ave = Average ISTD

FORM VI
GC SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314126

SDG No.: _____

Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2015 13:30 Calibration End Date: 08/02/2015 13:30 Calibration ID: 51554

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-314126/11	T1305303.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1248 Peak 1	0.0154					Ave		0.0154						20.0			0.9900
PCB-1248 Peak 2	0.0385					Ave		0.0385						20.0			0.9900
PCB-1248 Peak 3	0.0385					Ave		0.0385						20.0			0.9900
PCB-1248 Peak 4	0.0642					Ave		0.0642						20.0			0.9900
PCB-1248 Peak 5	0.0281					Ave		0.0281						20.0			0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314126

SDG No.: _____

Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2015 13:30 Calibration End Date: 08/02/2015 13:30 Calibration ID: 51554

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-314126/11	T1305303.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1248 Peak 1	BNB	Ave	25758985					1000				
PCB-1248 Peak 2	BNB	Ave	64512844					1000				
PCB-1248 Peak 3	BNB	Ave	64523940					1000				
PCB-1248 Peak 4	BNB	Ave	107645699					1000				
PCB-1248 Peak 5	BNB	Ave	47124540					1000				

Curve Type Legend:

Ave = Average ISTD

FORM VI
GC SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314126

SDG No.: _____

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2015 13:45 Calibration End Date: 08/02/2015 13:45 Calibration ID: 51559

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-314126/12	T1305304.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1254 Peak 1	0.0328					Ave		0.0328						20.0			0.9900
PCB-1254 Peak 2	0.0384					Ave		0.0384						20.0			0.9900
PCB-1254 Peak 3	0.0299					Ave		0.0299						20.0			0.9900
PCB-1254 Peak 4	0.0606					Ave		0.0606						20.0			0.9900
PCB-1254 Peak 5	0.0561					Ave		0.0561						20.0			0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314126

SDG No.: _____

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2015 13:45 Calibration End Date: 08/02/2015 13:45 Calibration ID: 51559

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-314126/12	T1305304.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1254 Peak 1	BNB	Ave	43677018					1000				
PCB-1254 Peak 2	BNB	Ave	51058708					1000				
PCB-1254 Peak 3	BNB	Ave	39817244					1000				
PCB-1254 Peak 4	BNB	Ave	80624898					1000				
PCB-1254 Peak 5	BNB	Ave	74632801					1000				

Curve Type Legend:

Ave = Average ISTD

FORM VI
GC SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314126

SDG No.: _____

Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2015 13:45 Calibration End Date: 08/02/2015 13:45 Calibration ID: 51560

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-314126/12	T1305304.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1254 Peak 1	0.0354					Ave		0.0354						20.0			0.9900
PCB-1254 Peak 2	0.0608					Ave		0.0608						20.0			0.9900
PCB-1254 Peak 3	0.0472					Ave		0.0472						20.0			0.9900
PCB-1254 Peak 4	0.0423					Ave		0.0423						20.0			0.9900
PCB-1254 Peak 5	0.0639					Ave		0.0639						20.0			0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314126

SDG No.: _____

Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2015 13:45 Calibration End Date: 08/02/2015 13:45 Calibration ID: 51560

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-314126/12	T1305304.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1254 Peak 1	BNB	Ave	58898047					1000				
PCB-1254 Peak 2	BNB	Ave	101314612					1000				
PCB-1254 Peak 3	BNB	Ave	78510309					1000				
PCB-1254 Peak 4	BNB	Ave	70445200					1000				
PCB-1254 Peak 5	BNB	Ave	106358447					1000				

Curve Type Legend:

Ave = Average ISTD

FORM VI
GC SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314126

SDG No.: _____

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2015 13:59 Calibration End Date: 08/02/2015 13:59 Calibration ID: 51565

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-314126/13	T1305305.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1262 Peak 1	0.0333					Ave		0.0333						20.0			0.9900
PCB-1262 Peak 2	0.0376					Ave		0.0376						20.0			0.9900
PCB-1262 Peak 3	0.0548					Ave		0.0548						20.0			0.9900
PCB-1262 Peak 4	0.0733					Ave		0.0733						20.0			0.9900
PCB-1262 Peak 5	0.0356					Ave		0.0356						20.0			0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314126

SDG No.: _____

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2015 13:59 Calibration End Date: 08/02/2015 13:59 Calibration ID: 51565

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-314126/13	T1305305.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1262 Peak 1	BNB	Ave	44451475					1000				
PCB-1262 Peak 2	BNB	Ave	50247615					1000				
PCB-1262 Peak 3	BNB	Ave	73131931					1000				
PCB-1262 Peak 4	BNB	Ave	97874901					1000				
PCB-1262 Peak 5	BNB	Ave	47548671					1000				

Curve Type Legend:

Ave = Average ISTD

FORM VI
GC SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314126

SDG No.: _____

Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2015 13:59 Calibration End Date: 08/02/2015 13:59 Calibration ID: 51566

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-314126/13	T1305305.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1262 Peak 1	0.0219					Ave		0.0219						20.0			0.9900
PCB-1262 Peak 2	0.0629					Ave		0.0629						20.0			0.9900
PCB-1262 Peak 3	0.0425					Ave		0.0425						20.0			0.9900
PCB-1262 Peak 4	0.0512					Ave		0.0512						20.0			0.9900
PCB-1262 Peak 5	0.0444					Ave		0.0444						20.0			0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314126

SDG No.: _____

Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2015 13:59 Calibration End Date: 08/02/2015 13:59 Calibration ID: 51566

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-314126/13	T1305305.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1262 Peak 1	BNB	Ave	37002326					1000				
PCB-1262 Peak 2	BNB	Ave	106056172					1000				
PCB-1262 Peak 3	BNB	Ave	71649139					1000				
PCB-1262 Peak 4	BNB	Ave	86261801					1000				
PCB-1262 Peak 5	BNB	Ave	74843072					1000				

Curve Type Legend:

Ave = Average ISTD

FORM VI
GC SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314126

SDG No.: _____

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2015 14:14 Calibration End Date: 08/02/2015 14:14 Calibration ID: 51571

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-314126/14	T1305306.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1268 Peak 1	0.1107					Ave		0.1107						20.0			0.9900
PCB-1268 Peak 2	0.1031					Ave		0.1031						20.0			0.9900
PCB-1268 Peak 3	0.0845					Ave		0.0845						20.0			0.9900
PCB-1268 Peak 4	0.0366					Ave		0.0366						20.0			0.9900
PCB-1268 Peak 5	0.2436					Ave		0.2436						20.0			0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314126

SDG No.: _____

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2015 14:14 Calibration End Date: 08/02/2015 14:14 Calibration ID: 51571

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-314126/14	T1305306.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1268 Peak 1	BNB	Ave	148525782					1000				
PCB-1268 Peak 2	BNB	Ave	138377506					1000				
PCB-1268 Peak 3	BNB	Ave	113454547					1000				
PCB-1268 Peak 4	BNB	Ave	49167623					1000				
PCB-1268 Peak 5	BNB	Ave	326856418					1000				

Curve Type Legend:

Ave = Average ISTD

FORM VI
GC SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314126

SDG No.: _____

Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2015 14:14 Calibration End Date: 08/02/2015 14:14 Calibration ID: 51572

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-314126/14	T1305306.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1268 Peak 1	0.1286					Ave		0.1286						20.0			0.9900
PCB-1268 Peak 2	0.1188					Ave		0.1188						20.0			0.9900
PCB-1268 Peak 3	0.1050					Ave		0.1050						20.0			0.9900
PCB-1268 Peak 4	0.0482					Ave		0.0482						20.0			0.9900
PCB-1268 Peak 5	0.3278					Ave		0.3278						20.0			0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-99997-1 Analy Batch No.: 314126

SDG No.: _____

Instrument ID: CPESTGC11 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2015 14:14 Calibration End Date: 08/02/2015 14:14 Calibration ID: 51572

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-314126/14	T1305306.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1268 Peak 1	BNB	Ave	219419819					1000				
PCB-1268 Peak 2	BNB	Ave	202730859					1000				
PCB-1268 Peak 3	BNB	Ave	179256519					1000				
PCB-1268 Peak 4	BNB	Ave	82272134					1000				
PCB-1268 Peak 5	BNB	Ave	559524834					1000				

Curve Type Legend:

Ave = Average ISTD

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Lab Sample ID: CCVRT 460-318197/2 Calibration Date: 08/22/2015 08:28
 Instrument ID: CPESTGC11 Calib Start Date: 08/02/2015 11:15
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 08/02/2015 12:13
 Lab File ID: T1305354.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0177	0.0144		814	1000	-18.6	20.0
PCB-1016 Peak 2	Ave	0.0337	0.0281		834	1000	-16.6	20.0
PCB-1016 Peak 3	Ave	0.0695	0.0581		836	1000	-16.4	20.0
PCB-1016 Peak 4	Ave	0.0234	0.0190		815	1000	-18.5	20.0
PCB-1016 Peak 5	Ave	0.0259	0.0214		828	1000	-17.2	20.0
PCB-1260 Peak 1	Ave	0.0476	0.0386		810	1000	-19.0	20.0
PCB-1260 Peak 2	Ave	0.0523	0.0435		831	1000	-16.9	20.0
PCB-1260 Peak 3	Ave	0.0384	0.0322		839	1000	-16.1	20.0
PCB-1260 Peak 4	Ave	0.0855	0.0713		834	1000	-16.6	20.0
PCB-1260 Peak 5	Ave	0.0214	0.0176		821	1000	-17.9	20.0
Tetrachloro-m-xylene	Ave	0.8878	0.7937		89.4	100	-10.6	20.0
DCB Decachlorobiphenyl	Ave	0.6618	0.5629		85.1	100	-14.9	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Lab Sample ID: CCVRT 460-318197/2 Calibration Date: 08/22/2015 08:28
 Instrument ID: CPESTGC11 Calib Start Date: 08/02/2015 11:15
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 08/02/2015 12:13
 Lab File ID: T1305354.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	3.01	2.94	3.08
PCB-1016 Peak 2	3.48	3.41	3.55
PCB-1016 Peak 3	4.00	3.93	4.07
PCB-1016 Peak 4	4.69	4.62	4.76
PCB-1016 Peak 5	4.83	4.76	4.90
PCB-1260 Peak 1	6.22	6.15	6.29
PCB-1260 Peak 2	6.53	6.46	6.60
PCB-1260 Peak 3	7.75	7.68	7.82
PCB-1260 Peak 4	8.25	8.18	8.32
PCB-1260 Peak 5	9.97	9.90	10.04
Tetrachloro-m-xylene	2.45	2.40	2.50
DCB Decachlorobiphenyl	10.53	10.43	10.63

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Lab Sample ID: CCVRT 460-318197/2 Calibration Date: 08/22/2015 08:28
 Instrument ID: CPESTGC11 Calib Start Date: 08/02/2015 11:15
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 08/02/2015 12:13
 Lab File ID: T1305354.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0189	0.0157		834	1000	-16.6	20.0
PCB-1016 Peak 2	Ave	0.0362	0.0320		883	1000	-11.7	20.0
PCB-1016 Peak 3	Ave	0.0767	0.0662		863	1000	-13.7	20.0
PCB-1016 Peak 4	Ave	0.0335	0.0283		845	1000	-15.5	20.0
PCB-1016 Peak 5	Ave	0.0339	0.0282		830	1000	-17.0	20.0
PCB-1260 Peak 1	Ave	0.0476	0.0398		837	1000	-16.3	20.0
PCB-1260 Peak 2	Ave	0.0458	0.0377		825	1000	-17.5	20.0
PCB-1260 Peak 3	Ave	0.0984	0.0831		844	1000	-15.6	20.0
PCB-1260 Peak 4	Ave	0.0557	0.0472		847	1000	-15.3	20.0
PCB-1260 Peak 5	Ave	0.0263	0.0224		850	1000	-15.0	20.0
Tetrachloro-m-xylene	Ave	0.9345	0.8470		90.6	100	-9.4	20.0
DCB Decachlorobiphenyl	Ave	0.9379	0.8629		92.0	100	-8.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Lab Sample ID: CCVRT 460-318197/2 Calibration Date: 08/22/2015 08:28
Instrument ID: CPESTGC11 Calib Start Date: 08/02/2015 11:15
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 08/02/2015 12:13
Lab File ID: T1305354.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.36	2.29	2.43
PCB-1016 Peak 2	2.71	2.64	2.78
PCB-1016 Peak 3	3.19	3.12	3.26
PCB-1016 Peak 4	3.33	3.26	3.40
PCB-1016 Peak 5	3.76	3.69	3.83
PCB-1260 Peak 1	5.08	5.01	5.15
PCB-1260 Peak 2	6.15	6.08	6.22
PCB-1260 Peak 3	6.59	6.52	6.66
PCB-1260 Peak 4	7.01	6.94	7.08
PCB-1260 Peak 5	8.11	8.04	8.18
Tetrachloro-m-xylene	2.00	1.95	2.05
DCB Decachlorobiphenyl	9.05	8.95	9.15

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Lab Sample ID: CCVRT 460-318286/2 Calibration Date: 08/23/2015 08:15
 Instrument ID: CPESTGC11 Calib Start Date: 08/02/2015 11:15
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 08/02/2015 12:13
 Lab File ID: T1305373.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0177	0.0158		894	1000	-10.6	20.0
PCB-1016 Peak 2	Ave	0.0337	0.0308		912	1000	-8.8	20.0
PCB-1016 Peak 3	Ave	0.0695	0.0635		914	1000	-8.6	20.0
PCB-1016 Peak 4	Ave	0.0234	0.0209		892	1000	-10.8	20.0
PCB-1016 Peak 5	Ave	0.0259	0.0235		910	1000	-9.0	20.0
PCB-1260 Peak 1	Ave	0.0476	0.0423		888	1000	-11.2	20.0
PCB-1260 Peak 2	Ave	0.0523	0.0471		901	1000	-9.9	20.0
PCB-1260 Peak 3	Ave	0.0384	0.0350		912	1000	-8.8	20.0
PCB-1260 Peak 4	Ave	0.0855	0.0767		897	1000	-10.3	20.0
PCB-1260 Peak 5	Ave	0.0214	0.0190		887	1000	-11.3	20.0
Tetrachloro-m-xylene	Ave	0.8878	0.8680		97.8	100	-2.2	20.0
DCB Decachlorobiphenyl	Ave	0.6618	0.5977		90.3	100	-9.7	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Lab Sample ID: CCVRT 460-318286/2 Calibration Date: 08/23/2015 08:15
 Instrument ID: CPESTGC11 Calib Start Date: 08/02/2015 11:15
 GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 08/02/2015 12:13
 Lab File ID: T1305373.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	3.01	2.94	3.08
PCB-1016 Peak 2	3.48	3.41	3.55
PCB-1016 Peak 3	4.00	3.93	4.07
PCB-1016 Peak 4	4.69	4.62	4.76
PCB-1016 Peak 5	4.83	4.76	4.90
PCB-1260 Peak 1	6.22	6.15	6.29
PCB-1260 Peak 2	6.53	6.46	6.60
PCB-1260 Peak 3	7.75	7.68	7.82
PCB-1260 Peak 4	8.25	8.18	8.32
PCB-1260 Peak 5	9.97	9.90	10.04
Tetrachloro-m-xylene	2.45	2.40	2.50
DCB Decachlorobiphenyl	10.53	10.43	10.63

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Lab Sample ID: CCVRT 460-318286/2 Calibration Date: 08/23/2015 08:15
 Instrument ID: CPESTGC11 Calib Start Date: 08/02/2015 11:15
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 08/02/2015 12:13
 Lab File ID: T1305373.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0189	0.0175		926	1000	-7.4	20.0
PCB-1016 Peak 2	Ave	0.0362	0.0349		964	1000	-3.6	20.0
PCB-1016 Peak 3	Ave	0.0767	0.0731		952	1000	-4.8	20.0
PCB-1016 Peak 4	Ave	0.0335	0.0313		934	1000	-6.6	20.0
PCB-1016 Peak 5	Ave	0.0339	0.0310		914	1000	-8.6	20.0
PCB-1260 Peak 1	Ave	0.0476	0.0439		923	1000	-7.7	20.0
PCB-1260 Peak 2	Ave	0.0458	0.0419		916	1000	-8.4	20.0
PCB-1260 Peak 3	Ave	0.0984	0.0910		925	1000	-7.5	20.0
PCB-1260 Peak 4	Ave	0.0557	0.0514		923	1000	-7.7	20.0
PCB-1260 Peak 5	Ave	0.0263	0.0241		915	1000	-8.5	20.0
Tetrachloro-m-xylene	Ave	0.9345	0.9262		99.1	100	-0.9	20.0
DCB Decachlorobiphenyl	Ave	0.9379	0.9175		97.8	100	-2.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Lab Sample ID: CCVRT 460-318286/2 Calibration Date: 08/23/2015 08:15
 Instrument ID: CPESTGC11 Calib Start Date: 08/02/2015 11:15
 GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 08/02/2015 12:13
 Lab File ID: T1305373.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.36	2.29	2.43
PCB-1016 Peak 2	2.71	2.64	2.78
PCB-1016 Peak 3	3.19	3.12	3.26
PCB-1016 Peak 4	3.33	3.26	3.40
PCB-1016 Peak 5	3.76	3.69	3.83
PCB-1260 Peak 1	5.07	5.00	5.14
PCB-1260 Peak 2	6.15	6.08	6.22
PCB-1260 Peak 3	6.59	6.52	6.66
PCB-1260 Peak 4	7.00	6.93	7.07
PCB-1260 Peak 5	8.10	8.03	8.17
Tetrachloro-m-xylene	2.00	1.95	2.05
DCB Decachlorobiphenyl	9.05	8.95	9.15

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 460-318165/1-A
Matrix: Solid Lab File ID: T1305357.D
Analysis Method: 8082A Date Collected: _____
Extraction Method: 3546 Date Extracted: 08/21/2015 22:18
Sample wt/vol: 15.0000 (g) Date Analyzed: 08/22/2015 09:28
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 318197 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	116		30-150
877-09-8	Tetrachloro-m-xylene	113		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150822-31006.b\T1305357.D
 Lims ID: MB 460-318165/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 22-Aug-2015 09:28:19 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150822-31006.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 22-Aug-2015 09:55:42 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK001

First Level Reviewer: adoum

Date: 22-Aug-2015 09:44:36

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.552	1.554	-0.002	29421437	20.0	20.0	
2	1.362	1.360	0.002	38416770	20.0	20.0	
RPD = 0.00							

\$ 2 Tetrachloro-m-xylene

1	2.447	2.450	-0.003	73887581	50.0	56.6	
2	1.992	1.989	0.003	52325986	50.0	29.1	
RPD = 63.99							

\$ 11 DCB Decachlorobiphenyl

1	10.547	10.559	-0.012	56241370	50.0	57.8	
2	9.048	9.046	0.002	109763555	50.0	60.9	
RPD = 5.32							

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150822-31006.b\\T1305357.D

Injection Date: 22-Aug-2015 09:28:19

Instrument ID: CPESTGC11

Operator ID:

Lims ID: MB 460-318165/1-A

Worklist Smp#: 3

Client ID:

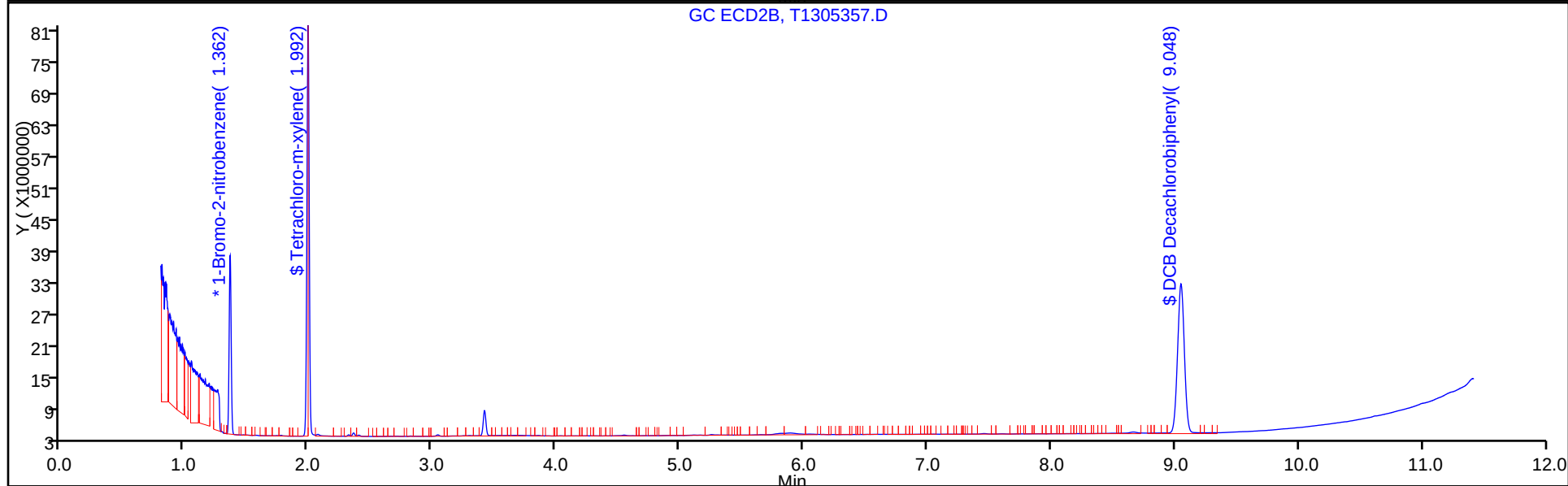
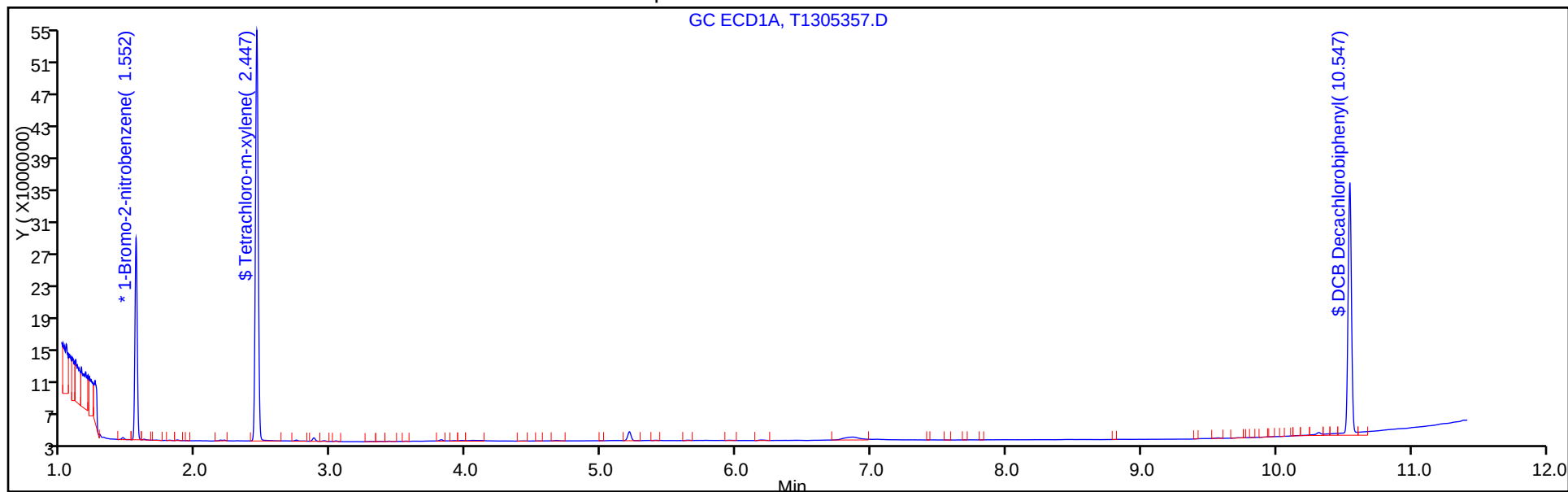
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 460-318165/1-A</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1305357.D</u>
Analysis Method: <u>8082A</u>	Date Collected: _____
Extraction Method: <u>3546</u>	Date Extracted: <u>08/21/2015 22:18</u>
Sample wt/vol: <u>15.0000(g)</u>	Date Analyzed: <u>08/22/2015 09:28</u>
Con. Extract Vol.: <u>10(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	GC Column: <u>CLP-1</u> ID: <u>0.53 (mm)</u>
% Moisture: _____	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318197</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.0089	U	0.067	0.0089
11104-28-2	Aroclor 1221	0.0089	U	0.067	0.0089
11141-16-5	Aroclor 1232	0.0089	U	0.067	0.0089
53469-21-9	Aroclor 1242	0.0089	U	0.067	0.0089
12672-29-6	Aroclor 1248	0.0089	U	0.067	0.0089
11097-69-1	Aroclor 1254	0.0092	U	0.067	0.0092
11096-82-5	Aroclor 1260	0.0092	U	0.067	0.0092
37324-23-5	Aroclor 1262	0.0092	U	0.067	0.0092
11100-14-4	Aroclor 1268	0.0092	U	0.067	0.0092
1336-36-3	Polychlorinated biphenyls, Total	0.0092	U	0.067	0.0092

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	122		30-150
877-09-8	Tetrachloro-m-xylene	58	p	30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150822-31006.b\T1305357.D
 Lims ID: MB 460-318165/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 22-Aug-2015 09:28:19 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150822-31006.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 22-Aug-2015 09:55:42 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK001

First Level Reviewer: adoum Date: 22-Aug-2015 09:44:36

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.552	1.554	-0.002	29421437	20.0	20.0	
2	1.362	1.360	0.002	38416770	20.0	20.0	
RPD = 0.00							

\$ 2 Tetrachloro-m-xylene

1	2.447	2.450	-0.003	73887581	50.0	56.6	
2	1.992	1.989	0.003	52325986	50.0	29.1	
RPD = 63.99							

\$ 11 DCB Decachlorobiphenyl

1	10.547	10.559	-0.012	56241370	50.0	57.8	
2	9.048	9.046	0.002	109763555	50.0	60.9	
RPD = 5.32							

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150822-31006.b\\T1305357.D

Injection Date: 22-Aug-2015 09:28:19

Instrument ID: CPESTGC11

Operator ID:

Lims ID: MB 460-318165/1-A

Worklist Smp#: 3

Client ID:

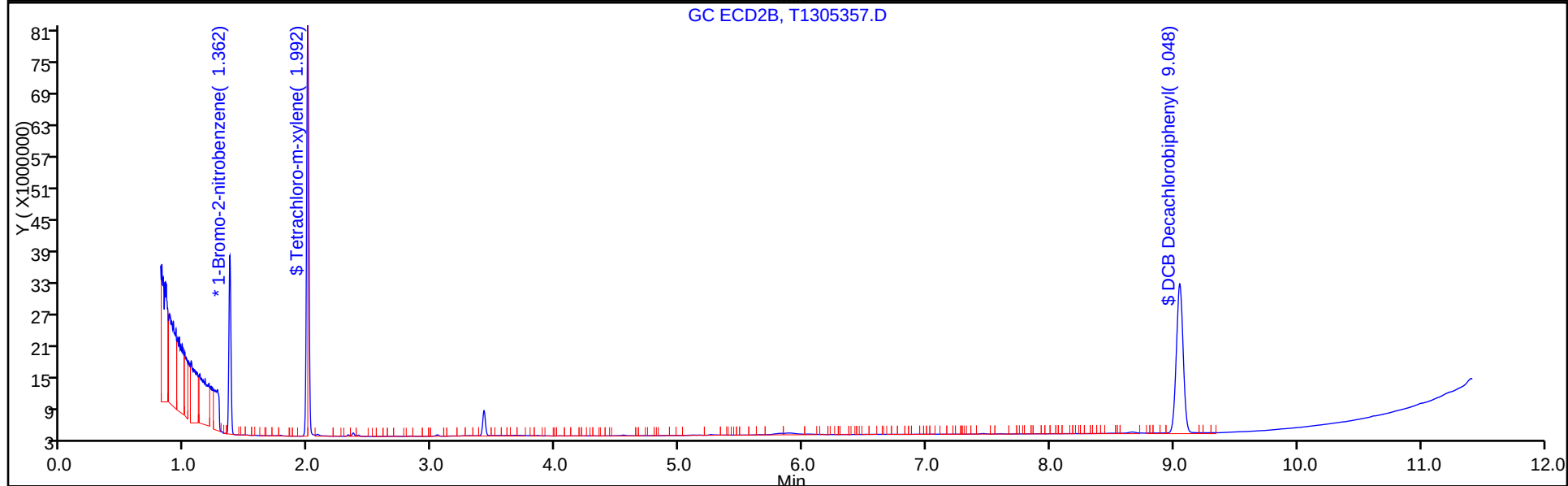
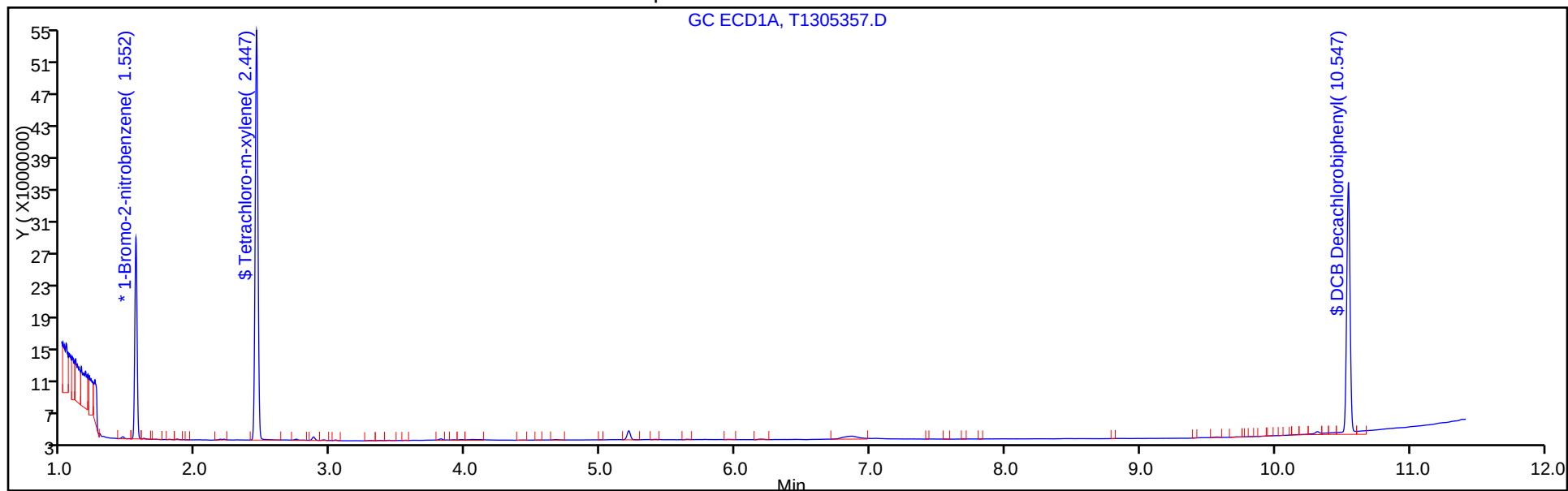
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 3

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 460-318167/1-A
Matrix: Solid Lab File ID: T1305380.D
Analysis Method: 8082A Date Collected: _____
Extraction Method: 3546 Date Extracted: 08/21/2015 22:24
Sample wt/vol: 15.0000 (g) Date Analyzed: 08/23/2015 10:01
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 318286 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	113		30-150
877-09-8	Tetrachloro-m-xylene	110		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305380.D
 Lims ID: MB 460-318167/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 23-Aug-2015 10:01:36 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-009
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 23-Aug-2015 12:28:36 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK037

First Level Reviewer: patelji Date: 23-Aug-2015 10:53:40

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.552	1.551	0.001	27529996	20.0	20.0	
2	1.368	1.366	0.002	36517491	20.0	20.0	
RPD = 0.00							

\$ 2 Tetrachloro-m-xylene

1	2.445	2.445	0.000	67320408	50.0	55.1	
2	2.000	1.998	0.002	93535636	50.0	54.8	
RPD = 0.49							

\$ 11 DCB Decachlorobiphenyl

1	10.529	10.533	-0.004	51366386	50.0	56.4	
2	9.053	9.049	0.004	101702423	50.0	59.4	
RPD = 5.19							

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305380.D

Injection Date: 23-Aug-2015 10:01:36

Instrument ID: CPESTGC11

Operator ID:

Lims ID: MB 460-318167/1-A

Worklist Smp#: 9

Client ID:

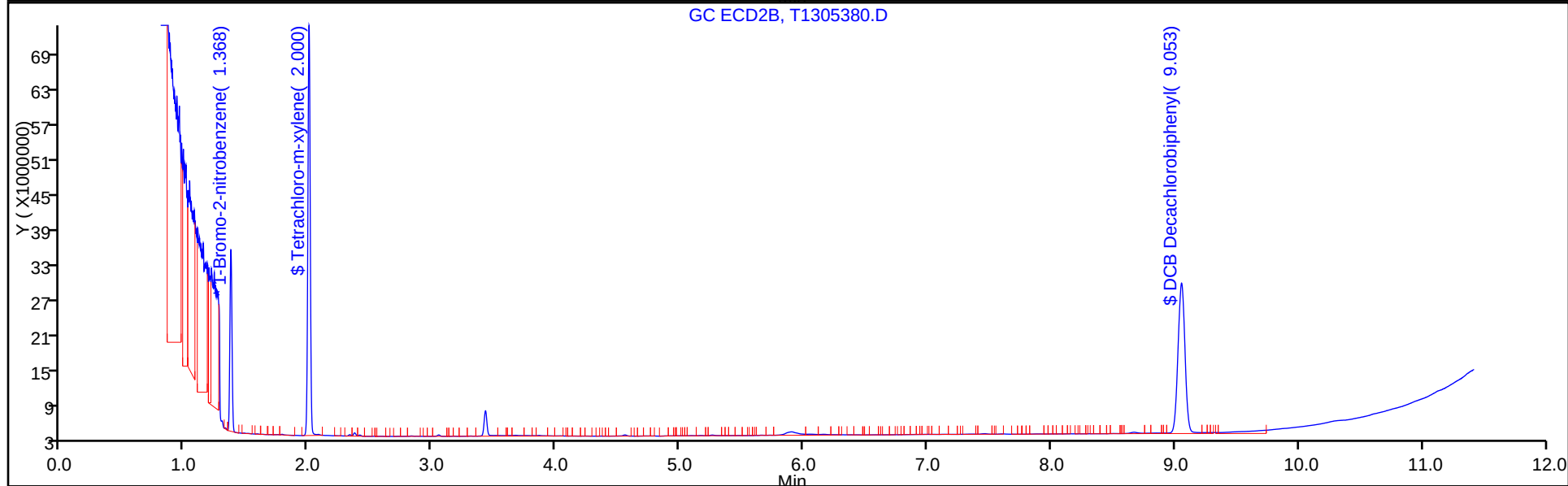
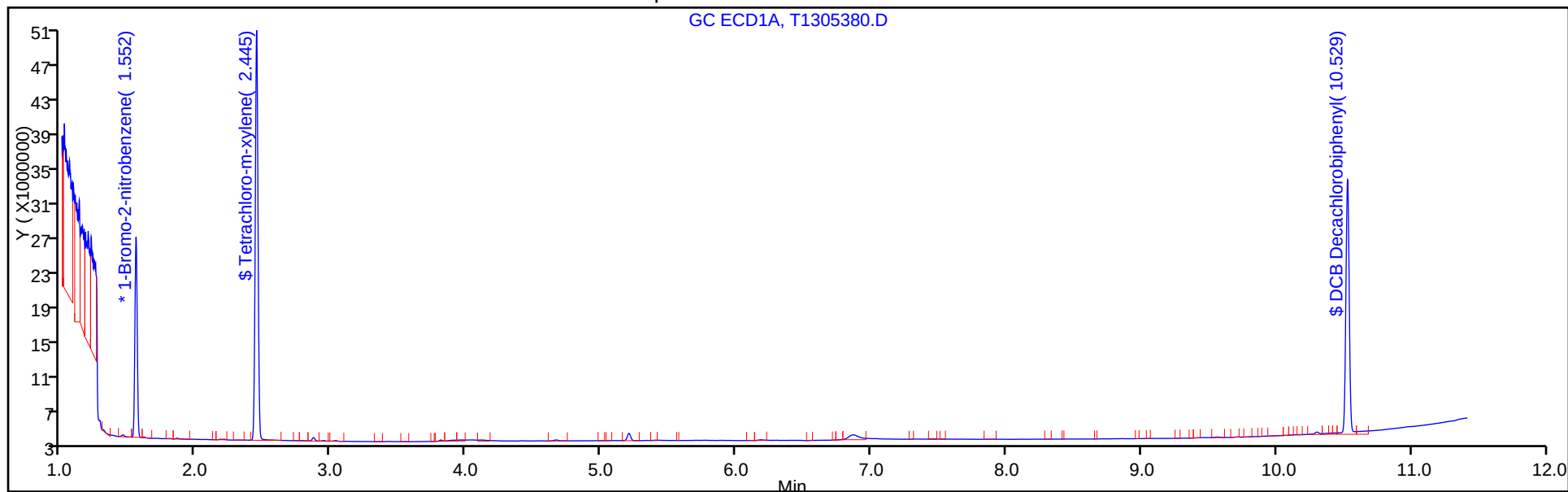
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 9

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 460-318167/1-A
 Matrix: Solid Lab File ID: T1305380.D
 Analysis Method: 8082A Date Collected: _____
 Extraction Method: 3546 Date Extracted: 08/21/2015 22:24
 Sample wt/vol: 15.0000(g) Date Analyzed: 08/23/2015 10:01
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 318286 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.0089	U	0.067	0.0089
11104-28-2	Aroclor 1221	0.0089	U	0.067	0.0089
11141-16-5	Aroclor 1232	0.0089	U	0.067	0.0089
53469-21-9	Aroclor 1242	0.0089	U	0.067	0.0089
12672-29-6	Aroclor 1248	0.0089	U	0.067	0.0089
11097-69-1	Aroclor 1254	0.0092	U	0.067	0.0092
11096-82-5	Aroclor 1260	0.0092	U	0.067	0.0092
37324-23-5	Aroclor 1262	0.0092	U	0.067	0.0092
11100-14-4	Aroclor 1268	0.0092	U	0.067	0.0092
1336-36-3	Polychlorinated biphenyls, Total	0.0092	U	0.067	0.0092

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	119		30-150
877-09-8	Tetrachloro-m-xylene	110		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305380.D
 Lims ID: MB 460-318167/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 23-Aug-2015 10:01:36 ALS Bottle#: 9 Worklist Smp#: 9
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-009
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 23-Aug-2015 12:28:36 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK037

First Level Reviewer: patelji Date: 23-Aug-2015 10:53:40

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.552	1.551	0.001	27529996	20.0	20.0	
2	1.368	1.366	0.002	36517491	20.0	20.0	
RPD = 0.00							

\$ 2 Tetrachloro-m-xylene

1	2.445	2.445	0.000	67320408	50.0	55.1	
2	2.000	1.998	0.002	93535636	50.0	54.8	
RPD = 0.49							

\$ 11 DCB Decachlorobiphenyl

1	10.529	10.533	-0.004	51366386	50.0	56.4	
2	9.053	9.049	0.004	101702423	50.0	59.4	
RPD = 5.19							

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305380.D

Injection Date: 23-Aug-2015 10:01:36

Instrument ID: CPESTGC11

Operator ID:

Lims ID: MB 460-318167/1-A

Worklist Smp#: 9

Client ID:

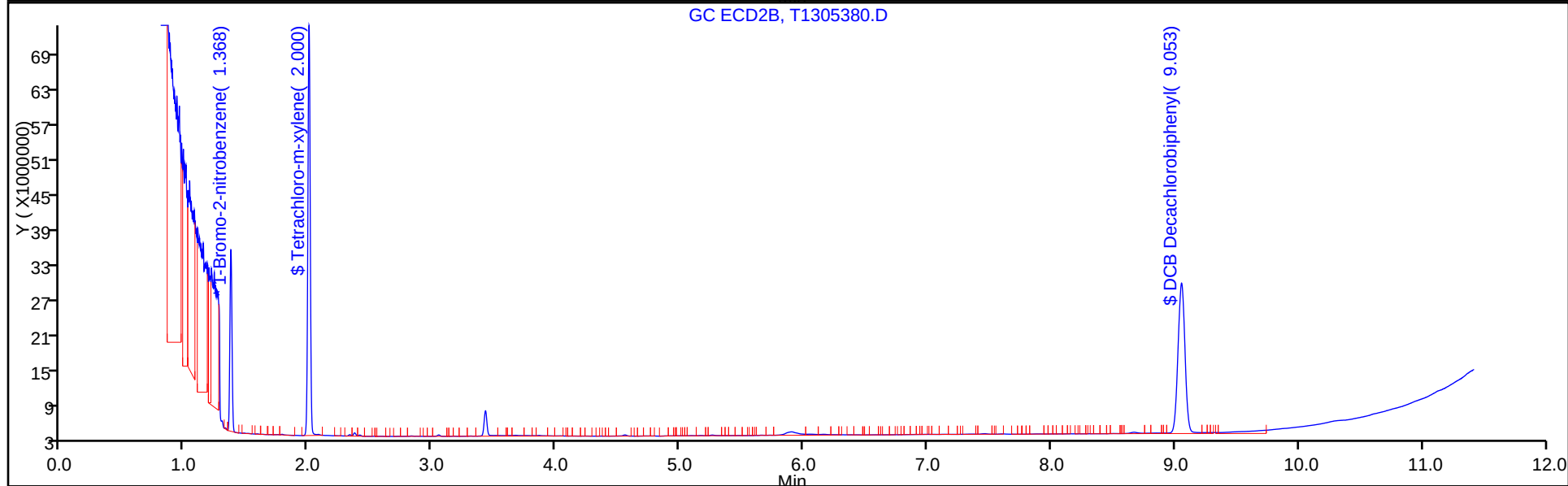
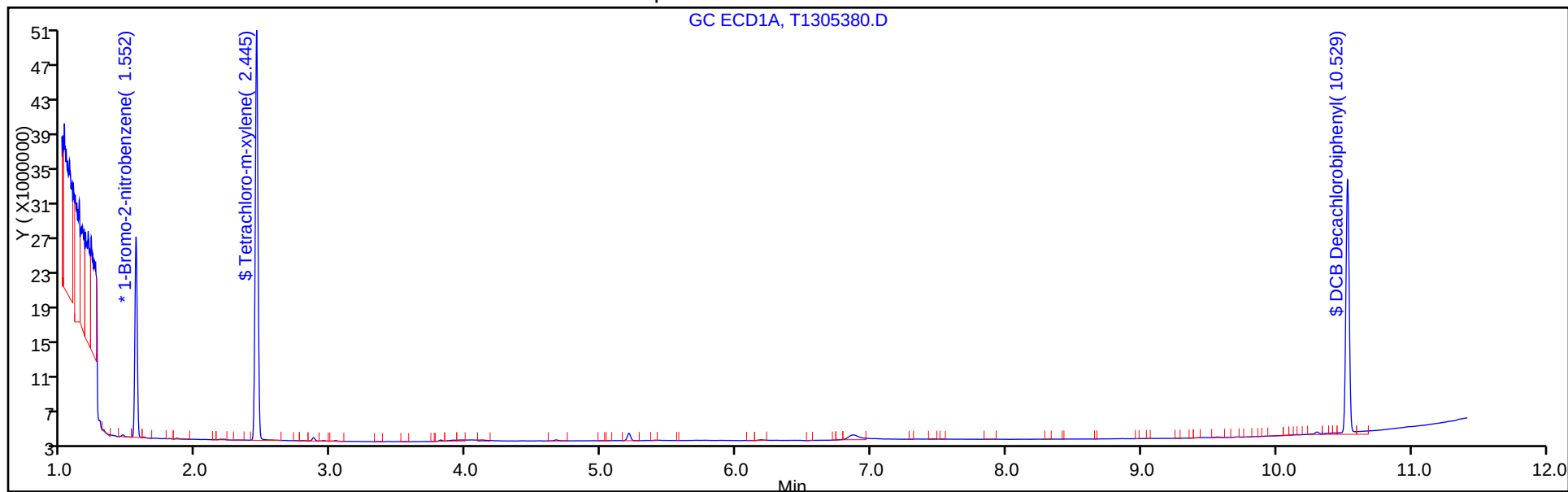
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 9

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-318165/2-A
 Matrix: Solid Lab File ID: T1305358.D
 Analysis Method: 8082A Date Collected: _____
 Extraction Method: 3546 Date Extracted: 08/21/2015 22:18
 Sample wt/vol: 15.0000 (g) Date Analyzed: 08/22/2015 09:42
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 318197 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.349		0.067	0.0089
11096-82-5	Aroclor 1260	0.393		0.067	0.0092
1336-36-3	Polychlorinated biphenyls, Total	0.742		0.067	0.0092

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	105		30-150
877-09-8	Tetrachloro-m-xylene	103		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150822-31006.b\T1305358.D
 Lims ID: LCS 460-318165/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 22-Aug-2015 09:42:50 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150822-31006.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 22-Aug-2015 09:55:42 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK001

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.551	1.554	-0.003	29938468	20.0	20.0	
2	1.368	1.360	0.008	39709449	20.0	20.0	
RPD = 0.00							

\$ 2 Tetrachloro-m-xylene

1	2.445	2.450	-0.005	68548078	50.0	51.6	
2	1.999	1.989	0.010	97694560	50.0	52.7	
RPD = 2.06							

5 PCB-1016

1	3.013	3.020	-0.007	13574349	500.0	512.6	
1	3.480	3.488	-0.008	26664744	500.0	527.8	
1	3.998	4.007	-0.009	54768657	500.0	526.6	
1	4.692	4.700	-0.008	18164933	500.0	519.2	
1	4.830	4.839	-0.009	20653202	500.0	533.5	
Average of Peak Amounts =						523.9	
2	2.358	2.347	0.011	18986400	500.0	507.3	
2	2.714	2.703	0.011	38441121	500.0	535.0	
2	3.189	3.179	0.010	83084452	500.0	545.4	
2	3.328	3.318	0.010	35172003	500.0	528.3	
2	3.762	3.754	0.008	34862100	500.0	517.4	
Average of Peak Amounts =						526.7	
RPD = 0.52							

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150822-31006.b\\T1305358.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

8 PCB-1260

1	6.220	6.230	-0.010	36450248	500.0	511.3	
1	6.531	6.541	-0.010	41616037	500.0	531.4	
1	7.746	7.759	-0.013	37144558	500.0	645.9	
1	8.243	8.257	-0.014	76294942	500.0	596.4	
1	9.972	9.985	-0.013	21234200	500.0	662.4	

Average of Peak Amounts =

589.5

2	5.075	5.070	0.005	50031061	500.0	529.3	
2	6.147	6.143	0.004	53138663	500.0	584.9	
2	6.587	6.582	0.005	123080297	500.0	629.9	
2	7.006	7.000	0.006	60572693	500.0	547.3	
2	8.105	8.101	0.004	34941405	500.0	668.9	

Average of Peak Amounts =

592.1

RPD = 0.43

\$ 11 DCB Decachlorobiphenyl

1	10.542	10.559	-0.017	51972327	50.0	52.5	
2	9.052	9.046	0.006	102950801	50.0	55.3	

RPD = 5.24

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150822-31006.b\\T1305358.D

Injection Date: 22-Aug-2015 09:42:50

Instrument ID: CPESTGC11

Operator ID:

Lims ID: LCS 460-318165/2-A

Worklist Smp#: 4

Client ID:

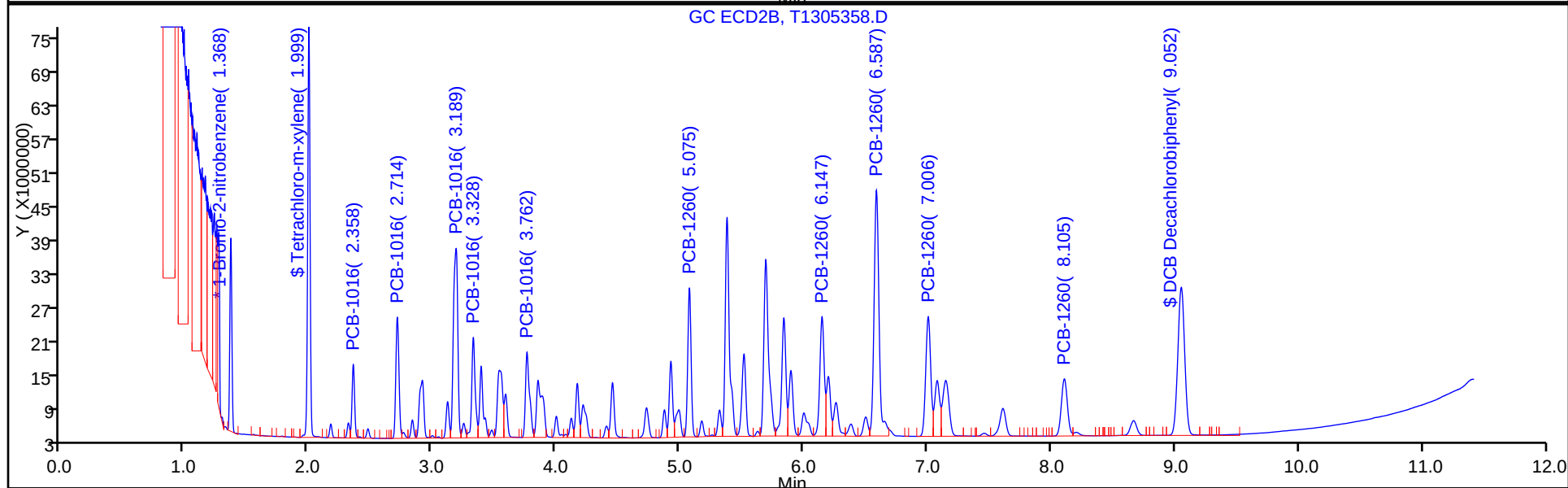
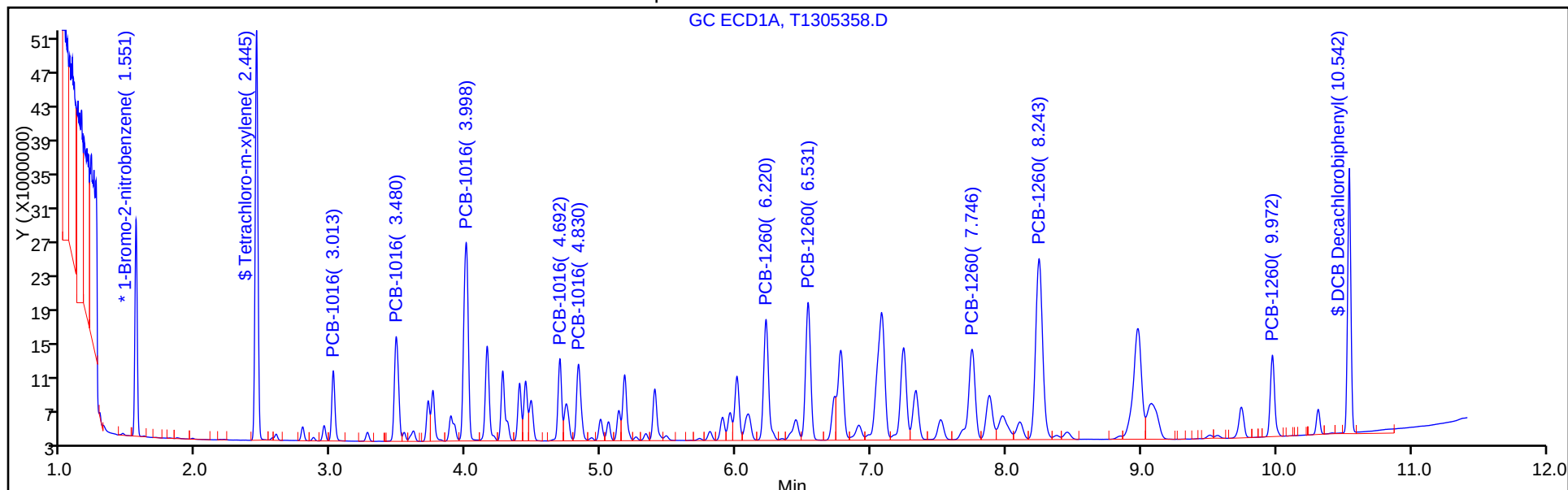
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 4

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-318165/2-A
 Matrix: Solid Lab File ID: T1305358.D
 Analysis Method: 8082A Date Collected: _____
 Extraction Method: 3546 Date Extracted: 08/21/2015 22:18
 Sample wt/vol: 15.0000(g) Date Analyzed: 08/22/2015 09:42
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 318197 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.351		0.067	0.0089
11096-82-5	Aroclor 1260	0.395		0.067	0.0092
1336-36-3	Polychlorinated biphenyls, Total	0.746		0.067	0.0092

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	111		30-150
877-09-8	Tetrachloro-m-xylene	105		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150822-31006.b\T1305358.D
 Lims ID: LCS 460-318165/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 22-Aug-2015 09:42:50 ALS Bottle#: 4 Worklist Smp#: 4
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info:
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150822-31006.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 22-Aug-2015 09:55:42 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK001

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.551	1.554	-0.003	29938468	20.0	20.0	
2	1.368	1.360	0.008	39709449	20.0	20.0	
							RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.445	2.450	-0.005	68548078	50.0	51.6	
2	1.999	1.989	0.010	97694560	50.0	52.7	
							RPD = 2.06

5 PCB-1016

1	3.013	3.020	-0.007	13574349	500.0	512.6	
1	3.480	3.488	-0.008	26664744	500.0	527.8	
1	3.998	4.007	-0.009	54768657	500.0	526.6	
1	4.692	4.700	-0.008	18164933	500.0	519.2	
1	4.830	4.839	-0.009	20653202	500.0	533.5	
Average of Peak Amounts =						523.9	
2	2.358	2.347	0.011	18986400	500.0	507.3	
2	2.714	2.703	0.011	38441121	500.0	535.0	
2	3.189	3.179	0.010	83084452	500.0	545.4	
2	3.328	3.318	0.010	35172003	500.0	528.3	
2	3.762	3.754	0.008	34862100	500.0	517.4	
Average of Peak Amounts =						526.7	
							RPD = 0.52

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150822-31006.b\T1305358.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

8 PCB-1260

1	6.220	6.230	-0.010	36450248	500.0	511.3	
1	6.531	6.541	-0.010	41616037	500.0	531.4	
1	7.746	7.759	-0.013	37144558	500.0	645.9	
1	8.243	8.257	-0.014	76294942	500.0	596.4	
1	9.972	9.985	-0.013	21234200	500.0	662.4	

Average of Peak Amounts = 589.5

2	5.075	5.070	0.005	50031061	500.0	529.3	
2	6.147	6.143	0.004	53138663	500.0	584.9	
2	6.587	6.582	0.005	123080297	500.0	629.9	
2	7.006	7.000	0.006	60572693	500.0	547.3	
2	8.105	8.101	0.004	34941405	500.0	668.9	

Average of Peak Amounts = 592.1

RPD = 0.43

\$ 11 DCB Decachlorobiphenyl

1	10.542	10.559	-0.017	51972327	50.0	52.5	
2	9.052	9.046	0.006	102950801	50.0	55.3	

RPD = 5.24

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150822-31006.b\\T1305358.D

Injection Date: 22-Aug-2015 09:42:50

Instrument ID: CPESTGC11

Operator ID:

Lims ID: LCS 460-318165/2-A

Worklist Smp#: 4

Client ID:

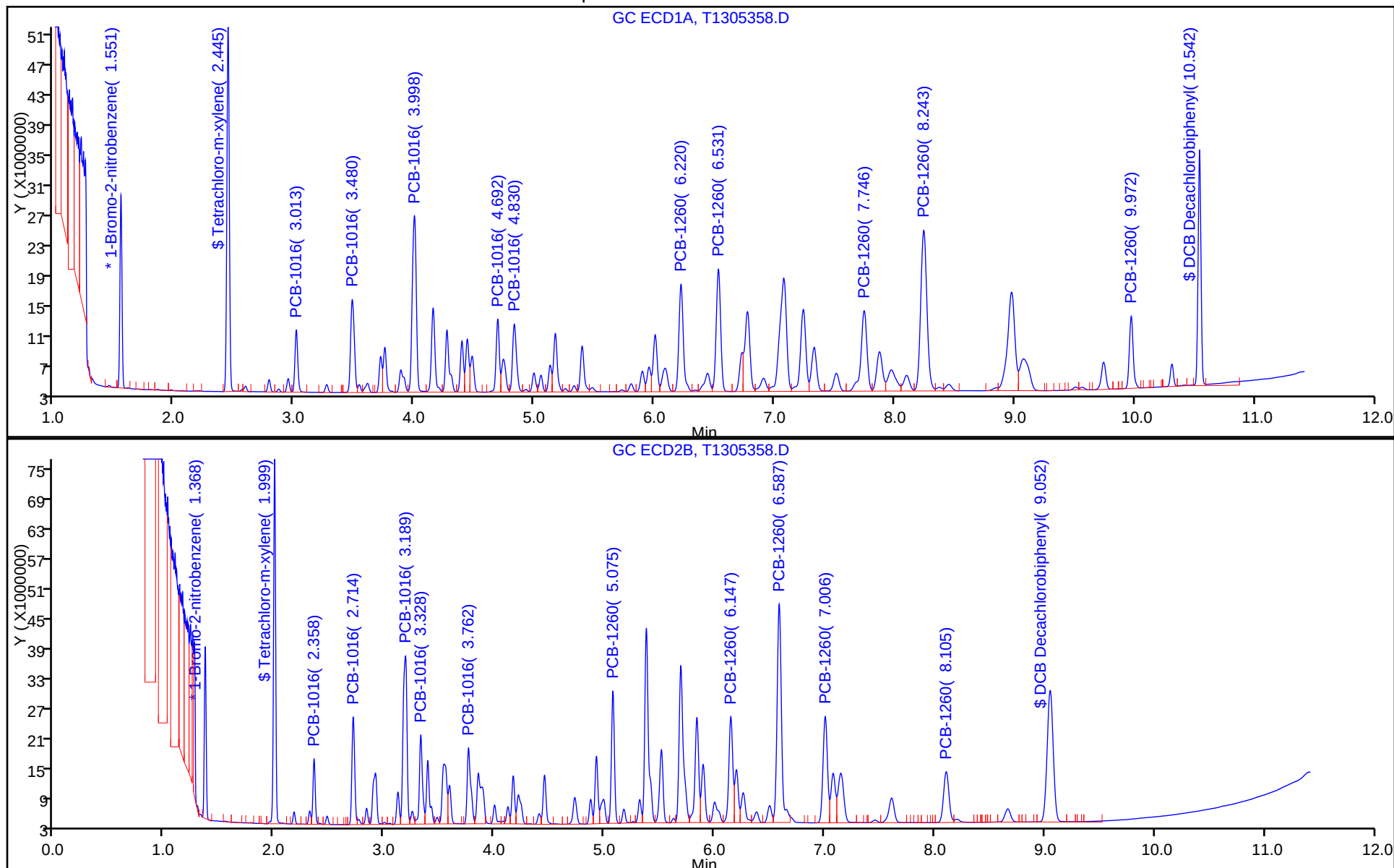
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 4

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-318167/2-A
 Matrix: Solid Lab File ID: T1305381.D
 Analysis Method: 8082A Date Collected: _____
 Extraction Method: 3546 Date Extracted: 08/21/2015 22:24
 Sample wt/vol: 15.0000 (g) Date Analyzed: 08/23/2015 10:16
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 318286 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.381		0.067	0.0089
11096-82-5	Aroclor 1260	0.430		0.067	0.0092
1336-36-3	Polychlorinated biphenyls, Total	0.811		0.067	0.0092

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	115		30-150
877-09-8	Tetrachloro-m-xylene	113		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305381.D
 Lims ID: LCS 460-318167/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 23-Aug-2015 10:16:12 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-010
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 23-Aug-2015 12:28:36 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK037

First Level Reviewer: patelji Date: 23-Aug-2015 10:53:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.552	1.551	0.001	27361808	20.0	20.0	
2	1.369	1.366	0.003	36452352	20.0	20.0	
						RPD =	0.00

\$ 2 Tetrachloro-m-xylene

1	2.445	2.445	0.000	68598412	50.0	56.5	
2	2.000	1.998	0.002	98723294	50.0	58.0	
						RPD =	2.59

5 PCB-1016

1	3.015	3.013	0.002	13228477	500.0	546.6	
1	3.480	3.480	0.000	26514127	500.0	574.3	
1	3.998	3.998	0.000	55054269	500.0	579.2	
1	4.693	4.693	0.000	18333868	500.0	573.4	
1	4.831	4.830	0.001	20670010	500.0	584.2	
Average of Peak Amounts =						571.5	
2	2.360	2.356	0.004	19635723	500.0	571.5	
2	2.715	2.713	0.002	40167429	500.0	609.0	
2	3.191	3.189	0.002	83492882	500.0	597.0	
2	3.330	3.326	0.004	35531462	500.0	581.4	
2	3.765	3.761	0.004	34898593	500.0	564.2	
Average of Peak Amounts =						584.6	
						RPD =	2.27

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305381.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

8 PCB-1260

M

1	6.221	6.220	0.001	36652483	500.0	562.6	
1	6.534	6.533	0.001	41877776	500.0	585.1	
1	7.747	7.746	0.001	37013185	500.0	704.2	
1	8.245	8.246	-0.001	75424915	500.0	645.1	
1	9.969	9.970	-0.001	21344313	500.0	728.6	

Average of Peak Amounts =

645.1

2	5.077	5.074	0.003	50233088	500.0	578.9	
2	6.150	6.146	0.004	54303021	500.0	651.1	
2	6.590	6.585	0.005	119590622	500.0	666.7	M
2	7.008	7.003	0.005	61950592	500.0	609.8	
2	8.110	8.104	0.006	35199179	500.0	734.0	

Average of Peak Amounts =

648.1

RPD = 0.46

\$ 11 DCB Decachlorobiphenyl

1	10.529	10.533	-0.004	51951311	50.0	57.4	
2	9.055	9.049	0.006	103931249	50.0	60.8	

RPD = 5.79

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305381.D

Injection Date: 23-Aug-2015 10:16:12

Instrument ID: CPESTGC11

Operator ID:

Lims ID: LCS 460-318167/2-A

Worklist Smp#: 10

Client ID:

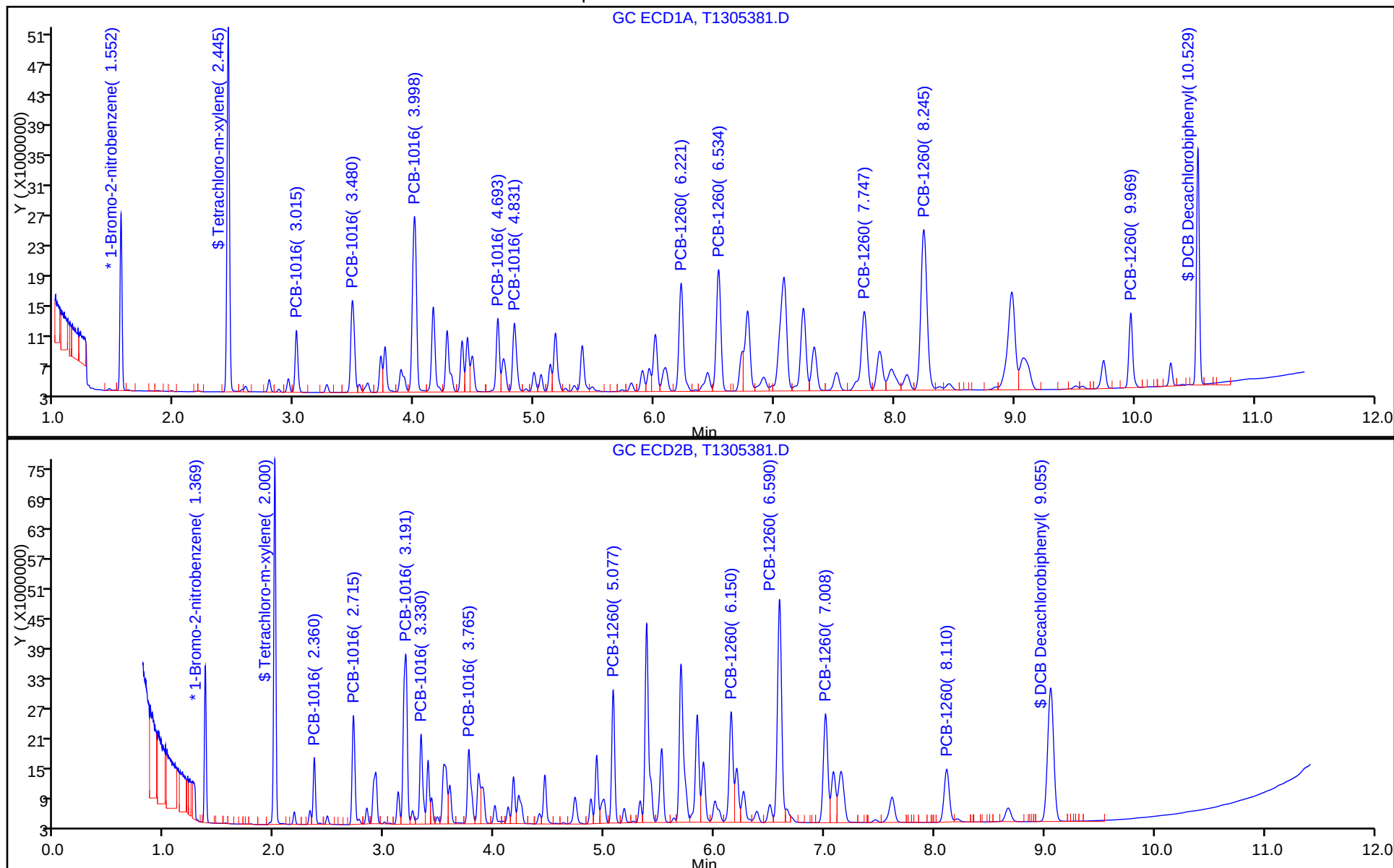
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 10

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-318167/2-A
 Matrix: Solid Lab File ID: T1305381.D
 Analysis Method: 8082A Date Collected: _____
 Extraction Method: 3546 Date Extracted: 08/21/2015 22:24
 Sample wt/vol: 15.0000(g) Date Analyzed: 08/23/2015 10:16
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53 (mm)
 % Moisture: _____ GPC Cleanup: (Y/N) N
 Analysis Batch No.: 318286 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.390		0.067	0.0089
11096-82-5	Aroclor 1260	0.432		0.067	0.0092
1336-36-3	Polychlorinated biphenyls, Total	0.822		0.067	0.0092

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	122		30-150
877-09-8	Tetrachloro-m-xylene	116		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305381.D
 Lims ID: LCS 460-318167/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 23-Aug-2015 10:16:12 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031018-010
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 23-Aug-2015 12:28:36 Calib Date: 02-Aug-2015 14:14:27
 Integrator: Falcon
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CPESTGC11\20150802-30311.b\T1305306.D
 Column 1 : Det: GC ECD1A
 Column 2 : Det: GC ECD2B
 Process Host: XAWRK037

First Level Reviewer: patelji Date: 23-Aug-2015 10:53:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.552	1.551	0.001	27361808	20.0	20.0	
2	1.369	1.366	0.003	36452352	20.0	20.0	
						RPD =	0.00

\$ 2 Tetrachloro-m-xylene

1	2.445	2.445	0.000	68598412	50.0	56.5	
2	2.000	1.998	0.002	98723294	50.0	58.0	
						RPD =	2.59

5 PCB-1016

1	3.015	3.013	0.002	13228477	500.0	546.6	
1	3.480	3.480	0.000	26514127	500.0	574.3	
1	3.998	3.998	0.000	55054269	500.0	579.2	
1	4.693	4.693	0.000	18333868	500.0	573.4	
1	4.831	4.830	0.001	20670010	500.0	584.2	
Average of Peak Amounts =						571.5	
2	2.360	2.356	0.004	19635723	500.0	571.5	
2	2.715	2.713	0.002	40167429	500.0	609.0	
2	3.191	3.189	0.002	83492882	500.0	597.0	
2	3.330	3.326	0.004	35531462	500.0	581.4	
2	3.765	3.761	0.004	34898593	500.0	564.2	
Average of Peak Amounts =						584.6	
						RPD =	2.27

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150823-31018.b\T1305381.D

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

8 PCB-1260

M

1	6.221	6.220	0.001	36652483	500.0	562.6	
1	6.534	6.533	0.001	41877776	500.0	585.1	
1	7.747	7.746	0.001	37013185	500.0	704.2	
1	8.245	8.246	-0.001	75424915	500.0	645.1	
1	9.969	9.970	-0.001	21344313	500.0	728.6	

Average of Peak Amounts =

645.1

2	5.077	5.074	0.003	50233088	500.0	578.9	
2	6.150	6.146	0.004	54303021	500.0	651.1	
2	6.590	6.585	0.005	119590622	500.0	666.7	M
2	7.008	7.003	0.005	61950592	500.0	609.8	
2	8.110	8.104	0.006	35199179	500.0	734.0	

Average of Peak Amounts =

648.1

RPD = 0.46

\$ 11 DCB Decachlorobiphenyl

1	10.529	10.533	-0.004	51951311	50.0	57.4	
2	9.055	9.049	0.006	103931249	50.0	60.8	

RPD = 5.79

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305381.D

Injection Date: 23-Aug-2015 10:16:12

Instrument ID: CPESTGC11

Operator ID:

Lims ID: LCS 460-318167/2-A

Worklist Smp#: 10

Client ID:

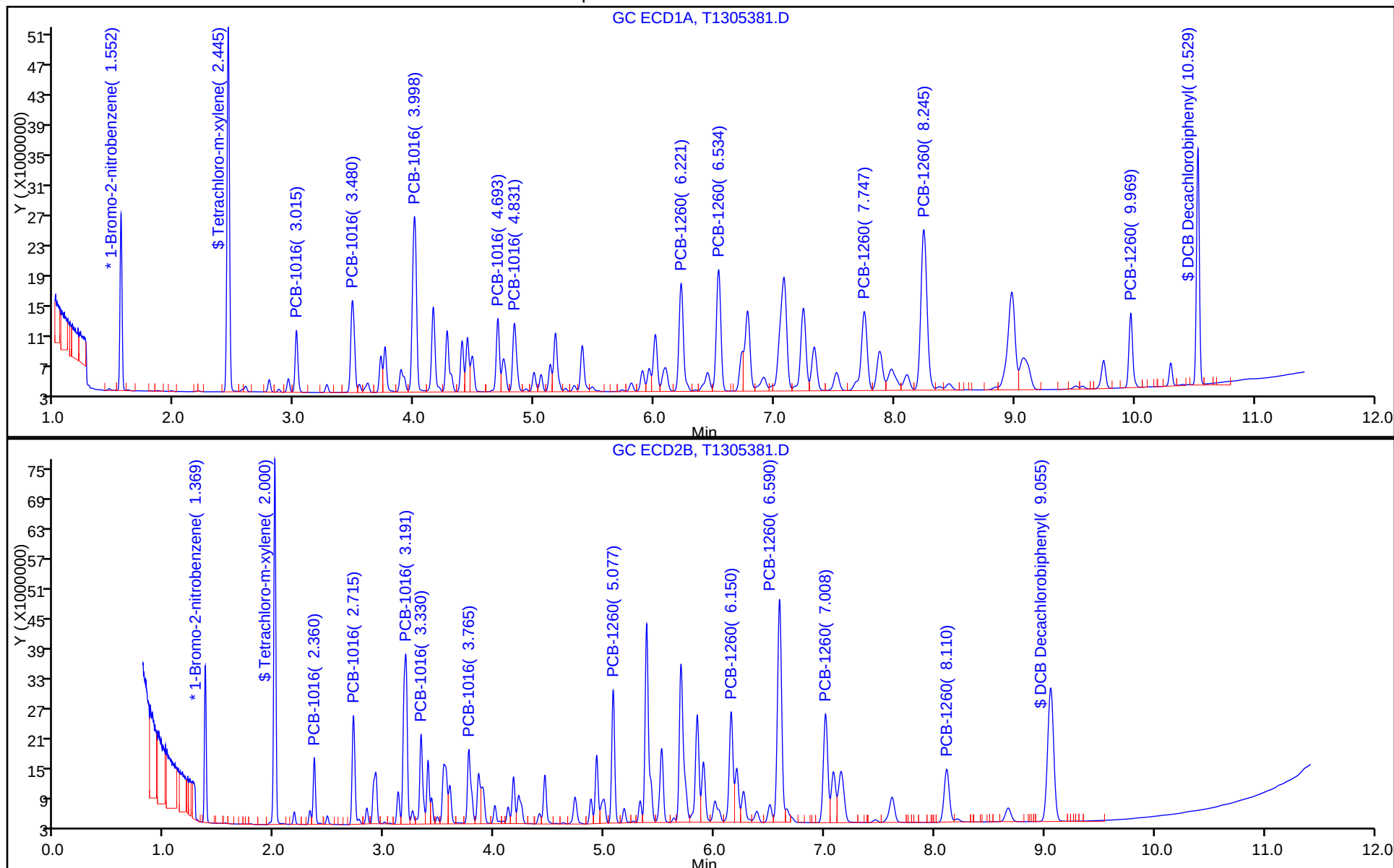
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 10

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150823-31018.b\\T1305381.D

Injection Date: 23-Aug-2015 10:16:12

Instrument ID: CPESTGC11

Lims ID: LCS 460-318167/2-A

Client ID:

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8082 ISTD

Limit Group:

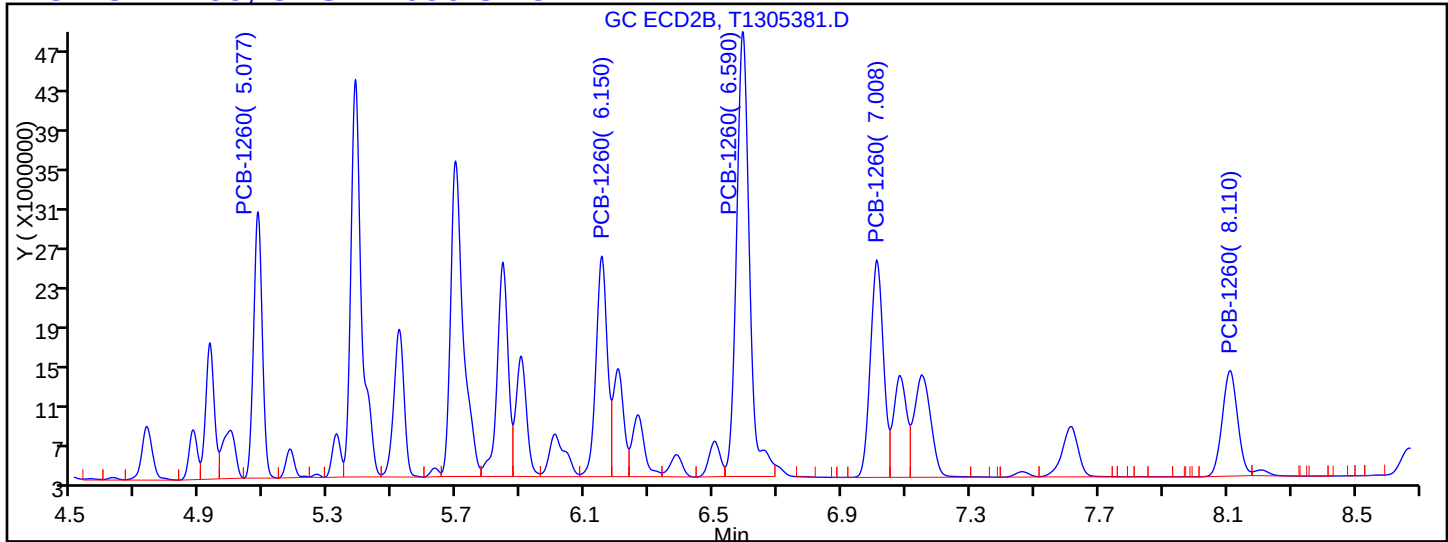
GC 8082A PCB ISTD

Column:

Detector

GC ECD2B

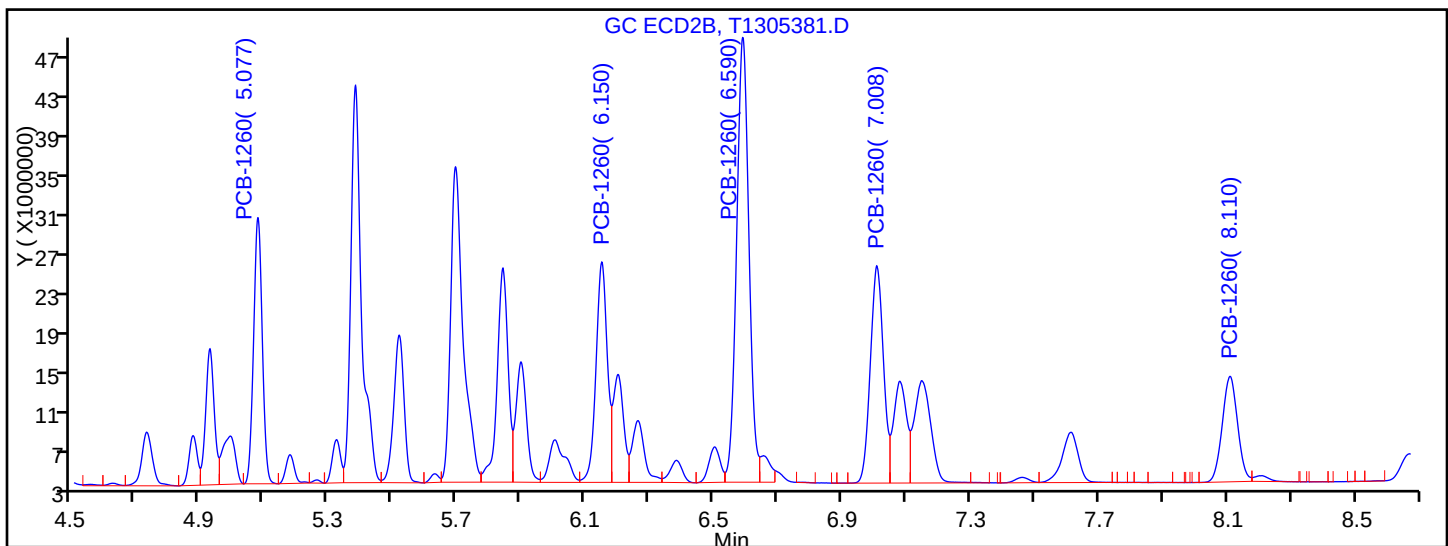
8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 5.077	Response = 50233088
RT = 6.150	Response = 54303021
RT = 6.590	Response = 125603082
RT = 7.008	Response = 61950592
RT = 8.110	Response = 35199179

M



Manual Integration Results

RT = 5.077	Response = 50233088
RT = 6.150	Response = 54303021
RT = 6.590	Response = 119590622
RT = 7.008	Response = 61950592
RT = 8.110	Response = 35199179

M

Reviewer: patelji, 23-Aug-2015 10:53:53

Audit Action: Split an Integrated Peak

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09/03/2015

Audit Reason: Sample matrix interference

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-2 MS</u>	Lab Sample ID: <u>460-99997-2 MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1305383.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>08/20/2015 09:01</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>08/21/2015 22:24</u>
Sample wt/vol: <u>15.0127(g)</u>	Date Analyzed: <u>08/23/2015 10:45</u>
Con. Extract Vol.: <u>10 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	GC Column: <u>CLP-2</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>9.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318286</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.479		0.074	0.0098
11104-28-2	Aroclor 1221	0.0098	U	0.074	0.0098
11141-16-5	Aroclor 1232	0.0098	U	0.074	0.0098
53469-21-9	Aroclor 1242	0.0098	U	0.074	0.0098
12672-29-6	Aroclor 1248	0.0098	U	0.074	0.0098
11097-69-1	Aroclor 1254	0.010	U	0.074	0.010
11096-82-5	Aroclor 1260	0.523		0.074	0.010
37324-23-5	Aroclor 1262	0.010	U	0.074	0.010
11100-14-4	Aroclor 1268	0.010	U	0.074	0.010
1336-36-3	Polychlorinated biphenyls, Total	1.00		0.074	0.010

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	123		30-150
877-09-8	Tetrachloro-m-xylene	124		30-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-2 MS</u>	Lab Sample ID: <u>460-99997-2 MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1305383.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>08/20/2015 09:01</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>08/21/2015 22:24</u>
Sample wt/vol: <u>15.0127(g)</u>	Date Analyzed: <u>08/23/2015 10:45</u>
Con. Extract Vol.: <u>10 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	GC Column: <u>CLP-1</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>9.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318286</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.484		0.074	0.0098
11104-28-2	Aroclor 1221	0.0098	U	0.074	0.0098
11141-16-5	Aroclor 1232	0.0098	U	0.074	0.0098
53469-21-9	Aroclor 1242	0.0098	U	0.074	0.0098
12672-29-6	Aroclor 1248	0.0098	U	0.074	0.0098
11097-69-1	Aroclor 1254	0.010	U	0.074	0.010
11096-82-5	Aroclor 1260	0.526		0.074	0.010
37324-23-5	Aroclor 1262	0.010	U	0.074	0.010
11100-14-4	Aroclor 1268	0.010	U	0.074	0.010
1336-36-3	Polychlorinated biphenyls, Total	1.01		0.074	0.010

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	127		30-150
877-09-8	Tetrachloro-m-xylene	127		30-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-21 MS</u>	Lab Sample ID: <u>460-99997-21 MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1305362.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>08/20/2015 15:37</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>08/21/2015 22:18</u>
Sample wt/vol: <u>15.0213(g)</u>	Date Analyzed: <u>08/22/2015 10:41</u>
Con. Extract Vol.: <u>10 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	GC Column: <u>CLP-2</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>13.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318197</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.502		0.077	0.010
11104-28-2	Aroclor 1221	0.010	U	0.077	0.010
11141-16-5	Aroclor 1232	0.010	U	0.077	0.010
53469-21-9	Aroclor 1242	0.010	U	0.077	0.010
12672-29-6	Aroclor 1248	0.010	U	0.077	0.010
11097-69-1	Aroclor 1254	0.011	U	0.077	0.011
11096-82-5	Aroclor 1260	0.545		0.077	0.011
37324-23-5	Aroclor 1262	0.011	U	0.077	0.011
11100-14-4	Aroclor 1268	0.011	U	0.077	0.011
1336-36-3	Polychlorinated biphenyls, Total	1.05		0.077	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	133		30-150
877-09-8	Tetrachloro-m-xylene	124		30-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-21 MS</u>	Lab Sample ID: <u>460-99997-21 MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1305362.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>08/20/2015 15:37</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>08/21/2015 22:18</u>
Sample wt/vol: <u>15.0213(g)</u>	Date Analyzed: <u>08/22/2015 10:41</u>
Con. Extract Vol.: <u>10 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	GC Column: <u>CLP-1</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>13.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318197</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.507		0.077	0.010
11104-28-2	Aroclor 1221	0.010	U	0.077	0.010
11141-16-5	Aroclor 1232	0.010	U	0.077	0.010
53469-21-9	Aroclor 1242	0.010	U	0.077	0.010
12672-29-6	Aroclor 1248	0.010	U	0.077	0.010
11097-69-1	Aroclor 1254	0.011	U	0.077	0.011
11096-82-5	Aroclor 1260	0.559		0.077	0.011
37324-23-5	Aroclor 1262	0.011	U	0.077	0.011
11100-14-4	Aroclor 1268	0.011	U	0.077	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	135		30-150
877-09-8	Tetrachloro-m-xylene	127		30-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-2 MSD</u>	Lab Sample ID: <u>460-99997-2 MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1305384.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>08/20/2015 09:01</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>08/21/2015 22:24</u>
Sample wt/vol: <u>15.0125(g)</u>	Date Analyzed: <u>08/23/2015 10:59</u>
Con. Extract Vol.: <u>10 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	GC Column: <u>CLP-2</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>9.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318286</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.420		0.074	0.0098
11104-28-2	Aroclor 1221	0.0098	U	0.074	0.0098
11141-16-5	Aroclor 1232	0.0098	U	0.074	0.0098
53469-21-9	Aroclor 1242	0.0098	U	0.074	0.0098
12672-29-6	Aroclor 1248	0.0098	U	0.074	0.0098
11097-69-1	Aroclor 1254	0.010	U	0.074	0.010
11096-82-5	Aroclor 1260	0.456		0.074	0.010
37324-23-5	Aroclor 1262	0.010	U	0.074	0.010
11100-14-4	Aroclor 1268	0.010	U	0.074	0.010
1336-36-3	Polychlorinated biphenyls, Total	0.876		0.074	0.010

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	104		30-150
877-09-8	Tetrachloro-m-xylene	108		30-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-2 MSD</u>	Lab Sample ID: <u>460-99997-2 MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1305384.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>08/20/2015 09:01</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>08/21/2015 22:24</u>
Sample wt/vol: <u>15.0125(g)</u>	Date Analyzed: <u>08/23/2015 10:59</u>
Con. Extract Vol.: <u>10 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	GC Column: <u>CLP-1</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>9.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318286</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.416		0.074	0.0098
11104-28-2	Aroclor 1221	0.0098	U	0.074	0.0098
11141-16-5	Aroclor 1232	0.0098	U	0.074	0.0098
53469-21-9	Aroclor 1242	0.0098	U	0.074	0.0098
12672-29-6	Aroclor 1248	0.0098	U	0.074	0.0098
11097-69-1	Aroclor 1254	0.010	U	0.074	0.010
11096-82-5	Aroclor 1260	0.467		0.074	0.010
37324-23-5	Aroclor 1262	0.010	U	0.074	0.010
11100-14-4	Aroclor 1268	0.010	U	0.074	0.010
1336-36-3	Polychlorinated biphenyls, Total	0.883		0.074	0.010

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	112		30-150
877-09-8	Tetrachloro-m-xylene	110		30-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-21 MSD</u>	Lab Sample ID: <u>460-99997-21 MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1305363.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>08/20/2015 15:37</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>08/21/2015 22:18</u>
Sample wt/vol: <u>15.0215(g)</u>	Date Analyzed: <u>08/22/2015 10:55</u>
Con. Extract Vol.: <u>10 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	GC Column: <u>CLP-2</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>13.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318197</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.493		0.077	0.010
11104-28-2	Aroclor 1221	0.010	U	0.077	0.010
11141-16-5	Aroclor 1232	0.010	U	0.077	0.010
53469-21-9	Aroclor 1242	0.010	U	0.077	0.010
12672-29-6	Aroclor 1248	0.010	U	0.077	0.010
11097-69-1	Aroclor 1254	0.011	U	0.077	0.011
11096-82-5	Aroclor 1260	0.543		0.077	0.011
37324-23-5	Aroclor 1262	0.011	U	0.077	0.011
11100-14-4	Aroclor 1268	0.011	U	0.077	0.011
1336-36-3	Polychlorinated biphenyls, Total	1.04		0.077	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	128		30-150
877-09-8	Tetrachloro-m-xylene	123		30-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-99997-1</u>
SDG No.: _____	
Client Sample ID: <u>ES-21 MSD</u>	Lab Sample ID: <u>460-99997-21 MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1305363.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>08/20/2015 15:37</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>08/21/2015 22:18</u>
Sample wt/vol: <u>15.0215(g)</u>	Date Analyzed: <u>08/22/2015 10:55</u>
Con. Extract Vol.: <u>10 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	GC Column: <u>CLP-1</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>13.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>318197</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.498		0.077	0.010
11104-28-2	Aroclor 1221	0.010	U	0.077	0.010
11141-16-5	Aroclor 1232	0.010	U	0.077	0.010
53469-21-9	Aroclor 1242	0.010	U	0.077	0.010
12672-29-6	Aroclor 1248	0.010	U	0.077	0.010
11097-69-1	Aroclor 1254	0.011	U	0.077	0.011
11096-82-5	Aroclor 1260	0.539		0.077	0.011
37324-23-5	Aroclor 1262	0.011	U	0.077	0.011
11100-14-4	Aroclor 1268	0.011	U	0.077	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	132		30-150
877-09-8	Tetrachloro-m-xylene	124		30-150

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-99997-1

SDG No.: _____

Instrument ID: CPESTGC11Start Date: 08/02/2015 11:01Analysis Batch Number: 314126End Date: 08/02/2015 14:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PIBLK 460-314126/1		08/02/2015 11:01	1		CLP-2 0.53 (mm)
PIBLK 460-314126/1		08/02/2015 11:01	1		CLP-1 0.53 (mm)
IC 460-314126/2		08/02/2015 11:15	1	T1305294.D	CLP-2 0.53 (mm)
IC 460-314126/2		08/02/2015 11:15	1	T1305294.D	CLP-1 0.53 (mm)
IC 460-314126/3		08/02/2015 11:30	1	T1305295.D	CLP-2 0.53 (mm)
IC 460-314126/3		08/02/2015 11:30	1	T1305295.D	CLP-1 0.53 (mm)
IC 460-314126/4 ICIS		08/02/2015 11:44	1	T1305296.D	CLP-2 0.53 (mm)
IC 460-314126/4 ICIS		08/02/2015 11:44	1	T1305296.D	CLP-1 0.53 (mm)
IC 460-314126/5		08/02/2015 11:59	1	T1305297.D	CLP-2 0.53 (mm)
IC 460-314126/5		08/02/2015 11:59	1	T1305297.D	CLP-1 0.53 (mm)
IC 460-314126/6		08/02/2015 12:13	1	T1305298.D	CLP-2 0.53 (mm)
IC 460-314126/6		08/02/2015 12:13	1	T1305298.D	CLP-1 0.53 (mm)
ICV 460-314126/7		08/02/2015 12:28	1		CLP-2 0.53 (mm)
ICV 460-314126/7		08/02/2015 12:28	1		CLP-1 0.53 (mm)
IC 460-314126/8		08/02/2015 12:47	1	T1305300.D	CLP-2 0.53 (mm)
IC 460-314126/8		08/02/2015 12:47	1	T1305300.D	CLP-1 0.53 (mm)
IC 460-314126/9		08/02/2015 13:01	1	T1305301.D	CLP-2 0.53 (mm)
IC 460-314126/9		08/02/2015 13:01	1	T1305301.D	CLP-1 0.53 (mm)
IC 460-314126/10		08/02/2015 13:16	1	T1305302.D	CLP-2 0.53 (mm)
IC 460-314126/10		08/02/2015 13:16	1	T1305302.D	CLP-1 0.53 (mm)
IC 460-314126/11		08/02/2015 13:30	1	T1305303.D	CLP-2 0.53 (mm)
IC 460-314126/11		08/02/2015 13:30	1	T1305303.D	CLP-1 0.53 (mm)
IC 460-314126/12		08/02/2015 13:45	1	T1305304.D	CLP-2 0.53 (mm)
IC 460-314126/12		08/02/2015 13:45	1	T1305304.D	CLP-1 0.53 (mm)
IC 460-314126/13		08/02/2015 13:59	1	T1305305.D	CLP-2 0.53 (mm)
IC 460-314126/13		08/02/2015 13:59	1	T1305305.D	CLP-1 0.53 (mm)
IC 460-314126/14		08/02/2015 14:14	1	T1305306.D	CLP-2 0.53 (mm)
IC 460-314126/14		08/02/2015 14:14	1	T1305306.D	CLP-1 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Instrument ID: CPESTGC11 Start Date: 08/22/2015 08:14Analysis Batch Number: 318197 End Date: 08/22/2015 11:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/22/2015 08:14	1		CLP-2 0.53 (mm)
ZZZZZ		08/22/2015 08:14	1		CLP-1 0.53 (mm)
CCVRT 460-318197/2		08/22/2015 08:28	1	T1305354.D	CLP-2 0.53 (mm)
CCVRT 460-318197/2		08/22/2015 08:28	1	T1305354.D	CLP-1 0.53 (mm)
MB 460-318165/1-A		08/22/2015 09:28	1	T1305357.D	CLP-2 0.53 (mm)
MB 460-318165/1-A		08/22/2015 09:28	1	T1305357.D	CLP-1 0.53 (mm)
LCS 460-318165/2-A		08/22/2015 09:42	1	T1305358.D	CLP-2 0.53 (mm)
LCS 460-318165/2-A		08/22/2015 09:42	1	T1305358.D	CLP-1 0.53 (mm)
ZZZZZ		08/22/2015 09:57	1		CLP-2 0.53 (mm)
ZZZZZ		08/22/2015 09:57	1		CLP-1 0.53 (mm)
ZZZZZ		08/22/2015 10:11	1		CLP-2 0.53 (mm)
ZZZZZ		08/22/2015 10:11	1		CLP-1 0.53 (mm)
460-99997-21	ES-21	08/22/2015 10:26	1	T1305361.D	CLP-2 0.53 (mm)
460-99997-21	ES-21	08/22/2015 10:26	1	T1305361.D	CLP-1 0.53 (mm)
460-99997-21 MS	ES-21 MS	08/22/2015 10:41	1	T1305362.D	CLP-2 0.53 (mm)
460-99997-21 MS	ES-21 MS	08/22/2015 10:41	1	T1305362.D	CLP-1 0.53 (mm)
460-99997-21 MSD	ES-21 MSD	08/22/2015 10:55	1	T1305363.D	CLP-2 0.53 (mm)
460-99997-21 MSD	ES-21 MSD	08/22/2015 10:55	1	T1305363.D	CLP-1 0.53 (mm)
460-99997-22	ES-22	08/22/2015 11:10	1	T1305364.D	CLP-2 0.53 (mm)
460-99997-22	ES-22	08/22/2015 11:10	1	T1305364.D	CLP-1 0.53 (mm)
ZZZZZ		08/22/2015 11:24	1		CLP-2 0.53 (mm)
ZZZZZ		08/22/2015 11:24	1		CLP-1 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-99997-1

SDG No.: _____

Instrument ID: CPESTGC11Start Date: 08/23/2015 08:00Analysis Batch Number: 318286End Date: 08/23/2015 15:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/23/2015 08:00	1		CLP-2 0.53 (mm)
ZZZZZ		08/23/2015 08:00	1		CLP-1 0.53 (mm)
CCVRT 460-318286/2		08/23/2015 08:15	1	T1305373.D	CLP-2 0.53 (mm)
CCVRT 460-318286/2		08/23/2015 08:15	1	T1305373.D	CLP-1 0.53 (mm)
ZZZZZ		08/23/2015 08:34	1		CLP-2 0.53 (mm)
ZZZZZ		08/23/2015 08:34	1		CLP-1 0.53 (mm)
ZZZZZ		08/23/2015 08:48	1		CLP-2 0.53 (mm)
ZZZZZ		08/23/2015 08:48	1		CLP-1 0.53 (mm)
ZZZZZ		08/23/2015 09:03	1		CLP-2 0.53 (mm)
ZZZZZ		08/23/2015 09:03	1		CLP-1 0.53 (mm)
ZZZZZ		08/23/2015 09:18	1		CLP-2 0.53 (mm)
ZZZZZ		08/23/2015 09:18	1		CLP-1 0.53 (mm)
ZZZZZ		08/23/2015 09:32	1		CLP-2 0.53 (mm)
ZZZZZ		08/23/2015 09:32	1		CLP-1 0.53 (mm)
ZZZZZ		08/23/2015 09:47	1		CLP-2 0.53 (mm)
ZZZZZ		08/23/2015 09:47	1		CLP-1 0.53 (mm)
MB 460-318167/1-A		08/23/2015 10:01	1	T1305380.D	CLP-2 0.53 (mm)
MB 460-318167/1-A		08/23/2015 10:01	1	T1305380.D	CLP-1 0.53 (mm)
LCS 460-318167/2-A		08/23/2015 10:16	1	T1305381.D	CLP-2 0.53 (mm)
LCS 460-318167/2-A		08/23/2015 10:16	1	T1305381.D	CLP-1 0.53 (mm)
460-99997-2	ES-2	08/23/2015 10:30	1	T1305382.D	CLP-2 0.53 (mm)
460-99997-2	ES-2	08/23/2015 10:30	1	T1305382.D	CLP-1 0.53 (mm)
460-99997-2 MS	ES-2 MS	08/23/2015 10:45	1	T1305383.D	CLP-2 0.53 (mm)
460-99997-2 MS	ES-2 MS	08/23/2015 10:45	1	T1305383.D	CLP-1 0.53 (mm)
460-99997-2 MSD	ES-2 MSD	08/23/2015 10:59	1	T1305384.D	CLP-2 0.53 (mm)
460-99997-2 MSD	ES-2 MSD	08/23/2015 10:59	1	T1305384.D	CLP-1 0.53 (mm)
460-99997-1	ES-1	08/23/2015 11:14	1	T1305385.D	CLP-2 0.53 (mm)
460-99997-1	ES-1	08/23/2015 11:14	1	T1305385.D	CLP-1 0.53 (mm)
460-99997-3	ES-3	08/23/2015 11:29	1	T1305386.D	CLP-2 0.53 (mm)
460-99997-3	ES-3	08/23/2015 11:29	1	T1305386.D	CLP-1 0.53 (mm)
460-99997-4	ES-4	08/23/2015 11:43	1	T1305387.D	CLP-2 0.53 (mm)
460-99997-4	ES-4	08/23/2015 11:43	1	T1305387.D	CLP-1 0.53 (mm)
460-99997-5	ES-5	08/23/2015 11:58	1	T1305388.D	CLP-2 0.53 (mm)
460-99997-5	ES-5	08/23/2015 11:58	1	T1305388.D	CLP-1 0.53 (mm)
460-99997-6	ES-6	08/23/2015 12:12	1	T1305389.D	CLP-2 0.53 (mm)
460-99997-6	ES-6	08/23/2015 12:12	1	T1305389.D	CLP-1 0.53 (mm)
460-99997-7	ES-7	08/23/2015 12:27	1	T1305390.D	CLP-2 0.53 (mm)
460-99997-7	ES-7	08/23/2015 12:27	1	T1305390.D	CLP-1 0.53 (mm)
460-99997-8	ES-8	08/23/2015 12:41	1	T1305391.D	CLP-2 0.53 (mm)
460-99997-8	ES-8	08/23/2015 12:41	1	T1305391.D	CLP-1 0.53 (mm)
460-99997-9	ES-9	08/23/2015 12:56	1	T1305392.D	CLP-2 0.53 (mm)
460-99997-9	ES-9	08/23/2015 12:56	1	T1305392.D	CLP-1 0.53 (mm)
460-99997-10	ES-10	08/23/2015 13:10	1	T1305393.D	CLP-2 0.53 (mm)
460-99997-10	ES-10	08/23/2015 13:10	1	T1305393.D	CLP-1 0.53 (mm)
460-99997-11	ES-11	08/23/2015 13:25	1	T1305394.D	CLP-2 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Instrument ID: CPESTGC11 Start Date: 08/23/2015 08:00Analysis Batch Number: 318286 End Date: 08/23/2015 15:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
460-99997-11	ES-11	08/23/2015 13:25	1	T1305394.D	CLP-1 0.53 (mm)
460-99997-12	ES-12	08/23/2015 13:39	1	T1305395.D	CLP-2 0.53 (mm)
460-99997-12	ES-12	08/23/2015 13:39	1	T1305395.D	CLP-1 0.53 (mm)
460-99997-13	ES-13	08/23/2015 13:54	1	T1305396.D	CLP-2 0.53 (mm)
460-99997-13	ES-13	08/23/2015 13:54	1	T1305396.D	CLP-1 0.53 (mm)
460-99997-14	ES-14	08/23/2015 14:08	1	T1305397.D	CLP-2 0.53 (mm)
460-99997-14	ES-14	08/23/2015 14:08	1	T1305397.D	CLP-1 0.53 (mm)
460-99997-15	ES-15	08/23/2015 14:23	1	T1305398.D	CLP-2 0.53 (mm)
460-99997-15	ES-15	08/23/2015 14:23	1	T1305398.D	CLP-1 0.53 (mm)
460-99997-16	ES-16	08/23/2015 14:37	1	T1305399.D	CLP-2 0.53 (mm)
460-99997-16	ES-16	08/23/2015 14:37	1	T1305399.D	CLP-1 0.53 (mm)
460-99997-17	ES-17	08/23/2015 14:52	1	T1305400.D	CLP-2 0.53 (mm)
460-99997-17	ES-17	08/23/2015 14:52	1	T1305400.D	CLP-1 0.53 (mm)
460-99997-18	ES-18	08/23/2015 15:06	1	T1305401.D	CLP-2 0.53 (mm)
460-99997-18	ES-18	08/23/2015 15:06	1	T1305401.D	CLP-1 0.53 (mm)
460-99997-19	ES-19	08/23/2015 15:21	1	T1305402.D	CLP-2 0.53 (mm)
460-99997-19	ES-19	08/23/2015 15:21	1	T1305402.D	CLP-1 0.53 (mm)
460-99997-20	ES-20	08/23/2015 15:35	1	T1305403.D	CLP-2 0.53 (mm)
460-99997-20	ES-20	08/23/2015 15:35	1	T1305403.D	CLP-1 0.53 (mm)

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Batch Number: 318165 Batch Start Date: 08/21/15 22:17 Batch Analyst: Silva, JoseBatch Method: 3546 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	OP_PCBSP 00030	OPPSTPCBSURR 00006		
MB 460-318165/1		3546, 8082A		15.0000 g	10 mL		50 uL		
LCS 460-318165/2		3546, 8082A		15.0000 g	10 mL	50 uL	50 uL		
460-99997-E-21 MS	ES-21	3546, 8082A	T	15.0213 g	10 mL	50 uL	50 uL		
460-99997-E-21 MSD	ES-21	3546, 8082A	T	15.0215 g	10 mL	50 uL	50 uL		
460-99997-E-21	ES-21	3546, 8082A	T	15.0217 g	10 mL		50 uL		
460-99997-E-22	ES-22	3546, 8082A	T	15.0128 g	10 mL		50 uL		

Batch Notes	
Balance ID	28
Batch Comment	PCB SOIL (uncorrected n evap 37 Degrees C) # 222299
Person's name who did the concentration	Jose
Exchange Solvent Lot #	110187
Exchange Solvent Name	Hexane
Final Concentrator Volume	10 mL
Sulfuric Acid Lot Number	107910 (SW3665A) 151225
Hexane Lot#	110187
MeCl2/Acetone Lot #	105993
Microwave Start Time	2100
Microwave Stop Time	2130
Na2SO4 Lot Number	433101 (Silica sand Lot# 132456)
Person's name who did the prep	Jose
SOP Number	3546
Person who performed Spike	Jose
TBA Lot #	OP 1453

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Batch Number: 318167 Batch Start Date: 08/21/15 22:24 Batch Analyst: Silva, JoseBatch Method: 3546 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	OP_PCBSP 00030	OPPSTPCBSURR 00006		
MB 460-318167/1		3546, 8082A		15.0000 g	10 mL		50 uL		
LCS 460-318167/2		3546, 8082A		15.0000 g	10 mL	50 uL	50 uL		
460-99997-E-2 MS	ES-2	3546, 8082A	T	15.0127 g	10 mL	50 uL	50 uL		
460-99997-E-2 MSD	ES-2	3546, 8082A	T	15.0125 g	10 mL	50 uL	50 uL		
460-99997-E-1	ES-1	3546, 8082A	T	15.0214 g	10 mL		50 uL		
460-99997-E-2	ES-2	3546, 8082A	T	15.0123 g	10 mL		50 uL		
460-99997-E-3	ES-3	3546, 8082A	T	15.0318 g	10 mL		50 uL		
460-99997-E-4	ES-4	3546, 8082A	T	15.0127 g	10 mL		50 uL		
460-99997-E-5	ES-5	3546, 8082A	T	15.0215 g	10 mL		50 uL		
460-99997-E-6	ES-6	3546, 8082A	T	15.0122 g	10 mL		50 uL		
460-99997-E-7	ES-7	3546, 8082A	T	15.0317 g	10 mL		50 uL		
460-99997-E-8	ES-8	3546, 8082A	T	15.0214 g	10 mL		50 uL		
460-99997-E-9	ES-9	3546, 8082A	T	15.0326 g	10 mL		50 uL		
460-99997-E-10	ES-10	3546, 8082A	T	15.0214 g	10 mL		50 uL		
460-99997-E-11	ES-11	3546, 8082A	T	15.0326 g	10 mL		50 uL		
460-99997-E-12	ES-12	3546, 8082A	T	15.0127 g	10 mL		50 uL		
460-99997-E-13	ES-13	3546, 8082A	T	15.0316 g	10 mL		50 uL		
460-99997-E-14	ES-14	3546, 8082A	T	15.0247 g	10 mL		50 uL		
460-99997-E-15	ES-15	3546, 8082A	T	15.0216 g	10 mL		50 uL		
460-99997-E-16	ES-16	3546, 8082A	T	15.0324 g	10 mL		50 uL		
460-99997-E-17	ES-17	3546, 8082A	T	15.0122 g	10 mL		50 uL		
460-99997-E-18	ES-18	3546, 8082A	T	15.0312 g	10 mL		50 uL		
460-99997-E-19	ES-19	3546, 8082A	T	15.0414 g	10 mL		50 uL		
460-99997-E-20	ES-20	3546, 8082A	T	15.0321 g	10 mL		50 uL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Batch Number: 318167 Batch Start Date: 08/21/15 22:24 Batch Analyst: Silva, JoseBatch Method: 3546 Batch End Date: _____

Batch Notes	
Balance ID	28
Batch Comment	PCB SOIL (uncorrected n evap 37 Degrees C) # 222299
Person's name who did the concentration	Jose
Exchange Solvent Lot #	110187
Exchange Solvent Name	Hexane
Final Concentrator Volume	10 mL
Sulfuric Acid Lot Number	107910 (SW3665A) 151225
Hexane Lot#	110187
MeCl2/Acetone Lot #	105993
Microwave Start Time	2100
Microwave Stop Time	2130
Na2SO4 Lot Number	433101 (Silica sand Lot# 132456)
Person's name who did the prep	Jose
SOP Number	3546
Person who performed Spike	Jose
TBA Lot #	OP 1453

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Edison Job Number: 460-99997-1
SDG No.: _____
Project: HW11-191/Princeton

Client Sample ID	Lab Sample ID
ES-1	460-99997-1
ES-2	460-99997-2
ES-3	460-99997-3
ES-4	460-99997-4
ES-5	460-99997-5
ES-6	460-99997-6
ES-7	460-99997-7
ES-8	460-99997-8
ES-9	460-99997-9
ES-10	460-99997-10
ES-11	460-99997-11
ES-12	460-99997-12
ES-13	460-99997-13
ES-14	460-99997-14
ES-15	460-99997-15
ES-16	460-99997-16
ES-17	460-99997-17
ES-18	460-99997-18
ES-19	460-99997-19
ES-20	460-99997-20
ES-21	460-99997-21
ES-22	460-99997-22

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: ES-1	Lab Sample ID: 460-99997-1
Lab Name: TestAmerica Edison	Job No.: 460-99997-1
SDG ID.:	
Matrix: Solid	Date Sampled: 08/20/2015 08:45
Reporting Basis: DRY	Date Received: 08/21/2015 12:30
% Solids: 80.4	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	20000	21.8	8.0	mg/Kg			20	6020A
7440-22-4	Silver	0.82	1.1	0.82	mg/Kg	U		20	6020A
7440-38-2	Arsenic	7.7	1.1	0.49	mg/Kg			20	6020A
7440-39-3	Barium	146	2.2	0.72	mg/Kg			20	6020A
7440-41-7	Beryllium	1.2	0.44	0.14	mg/Kg			20	6020A
7440-70-2	Calcium	4620	109	39.1	mg/Kg			20	6020A
7440-43-9	Cadmium	0.34	1.1	0.34	mg/Kg	U		20	6020A
7440-47-3	Chromium	28.6	2.2	0.85	mg/Kg			20	6020A
7440-48-4	Cobalt	12.3	2.2	0.84	mg/Kg			20	6020A
7440-50-8	Copper	25.2	2.2	0.74	mg/Kg			20	6020A
7439-89-6	Iron	25000	65.5	28.3	mg/Kg			20	6020A
7440-09-7	Potassium	2470	109	37.1	mg/Kg			20	6020A
7439-95-4	Magnesium	5240	109	39.2	mg/Kg			20	6020A
7439-96-5	Manganese	702	4.4	1.7	mg/Kg			20	6020A
7440-23-5	Sodium	440	109	41.9	mg/Kg			20	6020A
7440-02-0	Nickel	20.9	2.2	0.85	mg/Kg			20	6020A
7439-92-1	Lead	29.5	0.65	0.24	mg/Kg			20	6020A
7440-36-0	Antimony	0.45	1.1	0.45	mg/Kg	U		20	6020A
7782-49-2	Selenium	0.66	5.5	0.42	mg/Kg	J		20	6020A
7440-28-0	Thallium	0.27	0.44	0.17	mg/Kg	J		20	6020A
7440-62-2	Vanadium	53.4	2.2	0.84	mg/Kg			20	6020A
7440-66-6	Zinc	71.8	8.7	2.7	mg/Kg			20	6020A
7439-97-6	Mercury	0.063	0.020	0.014	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: ES-2

Lab Sample ID: 460-99997-2

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

SDG ID.:

Matrix: Solid

Date Sampled: 08/20/2015 09:01

Reporting Basis: DRY

Date Received: 08/21/2015 12:30

% Solids: 90.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	20200	21.6	8.0	mg/Kg			20	6020A
7440-22-4	Silver	0.81	1.1	0.81	mg/Kg	U		20	6020A
7440-38-2	Arsenic	13.0	1.1	0.48	mg/Kg			20	6020A
7440-39-3	Barium	111	2.2	0.71	mg/Kg			20	6020A
7440-41-7	Beryllium	1.7	0.43	0.14	mg/Kg			20	6020A
7440-70-2	Calcium	5260	108	38.7	mg/Kg			20	6020A
7440-43-9	Cadmium	0.34	1.1	0.34	mg/Kg	U		20	6020A
7440-47-3	Chromium	47.4	2.2	0.84	mg/Kg			20	6020A
7440-48-4	Cobalt	23.8	2.2	0.83	mg/Kg			20	6020A
7440-50-8	Copper	40.9	2.2	0.73	mg/Kg			20	6020A
7439-89-6	Iron	39900	64.9	28.0	mg/Kg			20	6020A
7440-09-7	Potassium	4020	108	36.8	mg/Kg			20	6020A
7439-95-4	Magnesium	9650	108	38.8	mg/Kg			20	6020A
7439-96-5	Manganese	908	4.3	1.7	mg/Kg			20	6020A
7440-23-5	Sodium	337	108	41.5	mg/Kg			20	6020A
7440-02-0	Nickel	30.9	2.2	0.85	mg/Kg			20	6020A
7439-92-1	Lead	26.0	0.65	0.24	mg/Kg			20	6020A
7440-36-0	Antimony	0.44	1.1	0.44	mg/Kg	U		20	6020A
7782-49-2	Selenium	0.46	5.4	0.42	mg/Kg	J		20	6020A
7440-28-0	Thallium	0.45	0.43	0.17	mg/Kg			20	6020A
7440-62-2	Vanadium	83.7	2.2	0.84	mg/Kg			20	6020A
7440-66-6	Zinc	82.9	8.6	2.6	mg/Kg			20	6020A
7439-97-6	Mercury	0.31	0.018	0.012	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: ES-3

Lab Sample ID: 460-99997-3

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

SDG ID.:

Matrix: Solid

Date Sampled: 08/20/2015 09:25

Reporting Basis: DRY

Date Received: 08/21/2015 12:30

% Solids: 88.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13000	21.5	7.9	mg/Kg			20	6020A
7440-22-4	Silver	0.81	1.1	0.81	mg/Kg	U		20	6020A
7440-38-2	Arsenic	7.3	1.1	0.48	mg/Kg			20	6020A
7440-39-3	Barium	52.7	2.2	0.71	mg/Kg			20	6020A
7440-41-7	Beryllium	0.72	0.43	0.14	mg/Kg			20	6020A
7440-70-2	Calcium	30100	108	38.5	mg/Kg			20	6020A
7440-43-9	Cadmium	0.34	1.1	0.34	mg/Kg	U		20	6020A
7440-47-3	Chromium	36.9	2.2	0.83	mg/Kg			20	6020A
7440-48-4	Cobalt	10.5	2.2	0.83	mg/Kg			20	6020A
7440-50-8	Copper	54.0	2.2	0.72	mg/Kg			20	6020A
7439-89-6	Iron	25500	64.5	27.9	mg/Kg			20	6020A
7440-09-7	Potassium	2200	108	36.6	mg/Kg			20	6020A
7439-95-4	Magnesium	8350	108	38.6	mg/Kg			20	6020A
7439-96-5	Manganese	390	4.3	1.7	mg/Kg			20	6020A
7440-23-5	Sodium	824	108	41.3	mg/Kg			20	6020A
7440-02-0	Nickel	27.9	2.2	0.84	mg/Kg			20	6020A
7439-92-1	Lead	15.5	0.65	0.24	mg/Kg			20	6020A
7440-36-0	Antimony	0.44	1.1	0.44	mg/Kg	J		20	6020A
7782-49-2	Selenium	0.41	5.4	0.41	mg/Kg	U		20	6020A
7440-28-0	Thallium	0.17	0.43	0.17	mg/Kg	U		20	6020A
7440-62-2	Vanadium	47.8	2.2	0.83	mg/Kg			20	6020A
7440-66-6	Zinc	57.0	8.6	2.6	mg/Kg			20	6020A
7439-97-6	Mercury	0.083	0.019	0.013	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: ES-4

Lab Sample ID: 460-99997-4

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

SDG ID.:

Matrix: Solid

Date Sampled: 08/20/2015 09:37

Reporting Basis: DRY

Date Received: 08/21/2015 12:30

% Solids: 82.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	10700	23.6	8.7	mg/Kg			20	6020A
7440-22-4	Silver	0.89	1.2	0.89	mg/Kg	U		20	6020A
7440-38-2	Arsenic	11.1	1.2	0.53	mg/Kg			20	6020A
7440-39-3	Barium	78.8	2.4	0.78	mg/Kg			20	6020A
7440-41-7	Beryllium	0.62	0.47	0.15	mg/Kg			20	6020A
7440-70-2	Calcium	82500	118	42.3	mg/Kg			20	6020A
7440-43-9	Cadmium	0.44	1.2	0.37	mg/Kg	J		20	6020A
7440-47-3	Chromium	47.5	2.4	0.92	mg/Kg			20	6020A
7440-48-4	Cobalt	4.6	2.4	0.91	mg/Kg			20	6020A
7440-50-8	Copper	30.8	2.4	0.80	mg/Kg			20	6020A
7439-89-6	Iron	16300	70.9	30.6	mg/Kg			20	6020A
7440-09-7	Potassium	2160	118	40.2	mg/Kg			20	6020A
7439-95-4	Magnesium	7510	118	42.4	mg/Kg			20	6020A
7439-96-5	Manganese	292	4.7	1.9	mg/Kg			20	6020A
7440-23-5	Sodium	766	118	45.4	mg/Kg			20	6020A
7440-02-0	Nickel	14.7	2.4	0.92	mg/Kg			20	6020A
7439-92-1	Lead	32.7	0.71	0.26	mg/Kg			20	6020A
7440-36-0	Antimony	1.0	1.2	0.49	mg/Kg	J		20	6020A
7782-49-2	Selenium	0.45	5.9	0.45	mg/Kg	U		20	6020A
7440-28-0	Thallium	0.18	0.47	0.18	mg/Kg	U		20	6020A
7440-62-2	Vanadium	34.2	2.4	0.91	mg/Kg			20	6020A
7440-66-6	Zinc	146	9.5	2.9	mg/Kg			20	6020A
7439-97-6	Mercury	0.26	0.020	0.014	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: ES-5

Lab Sample ID: 460-99997-5

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

SDG ID.:

Matrix: Solid

Date Sampled: 08/20/2015 09:57

Reporting Basis: DRY

Date Received: 08/21/2015 12:30

% Solids: 79.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	11600	25.1	9.2	mg/Kg			20	6020A
7440-22-4	Silver	0.94	1.3	0.94	mg/Kg	U		20	6020A
7440-38-2	Arsenic	10.4	1.3	0.56	mg/Kg			20	6020A
7440-39-3	Barium	101	2.5	0.83	mg/Kg			20	6020A
7440-41-7	Beryllium	0.65	0.50	0.16	mg/Kg			20	6020A
7440-70-2	Calcium	92400	125	44.9	mg/Kg			20	6020A
7440-43-9	Cadmium	0.39	1.3	0.39	mg/Kg	U		20	6020A
7440-47-3	Chromium	30.5	2.5	0.97	mg/Kg			20	6020A
7440-48-4	Cobalt	5.5	2.5	0.96	mg/Kg			20	6020A
7440-50-8	Copper	26.8	2.5	0.84	mg/Kg			20	6020A
7439-89-6	Iron	13100	75.2	32.5	mg/Kg			20	6020A
7440-09-7	Potassium	2100	125	42.6	mg/Kg			20	6020A
7439-95-4	Magnesium	9640	125	45.0	mg/Kg			20	6020A
7439-96-5	Manganese	406	5.0	2.0	mg/Kg			20	6020A
7440-23-5	Sodium	1030	125	48.1	mg/Kg			20	6020A
7440-02-0	Nickel	17.6	2.5	0.98	mg/Kg			20	6020A
7439-92-1	Lead	39.0	0.75	0.28	mg/Kg			20	6020A
7440-36-0	Antimony	1.7	1.3	0.52	mg/Kg			20	6020A
7782-49-2	Selenium	0.48	6.3	0.48	mg/Kg	U		20	6020A
7440-28-0	Thallium	0.19	0.50	0.19	mg/Kg	U		20	6020A
7440-62-2	Vanadium	26.0	2.5	0.97	mg/Kg			20	6020A
7440-66-6	Zinc	208	10.0	3.1	mg/Kg			20	6020A
7439-97-6	Mercury	0.22	0.020	0.014	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: ES-6

Lab Sample ID: 460-99997-6

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

SDG ID.:

Matrix: Solid

Date Sampled: 08/20/2015 10:10

Reporting Basis: DRY

Date Received: 08/21/2015 12:30

% Solids: 84.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	18700	21.4	7.9	mg/Kg			20	6020A
7440-22-4	Silver	0.80	1.1	0.80	mg/Kg	U		20	6020A
7440-38-2	Arsenic	12.7	1.1	0.48	mg/Kg			20	6020A
7440-39-3	Barium	131	2.1	0.70	mg/Kg			20	6020A
7440-41-7	Beryllium	1.2	0.43	0.13	mg/Kg			20	6020A
7440-70-2	Calcium	35600	107	38.2	mg/Kg			20	6020A
7440-43-9	Cadmium	0.33	1.1	0.33	mg/Kg	U		20	6020A
7440-47-3	Chromium	45.2	2.1	0.83	mg/Kg			20	6020A
7440-48-4	Cobalt	11.9	2.1	0.82	mg/Kg			20	6020A
7440-50-8	Copper	39.4	2.1	0.72	mg/Kg			20	6020A
7439-89-6	Iron	27900	64.1	27.7	mg/Kg			20	6020A
7440-09-7	Potassium	3810	107	36.3	mg/Kg			20	6020A
7439-95-4	Magnesium	8840	107	38.3	mg/Kg			20	6020A
7439-96-5	Manganese	512	4.3	1.7	mg/Kg			20	6020A
7440-23-5	Sodium	738	107	41.0	mg/Kg			20	6020A
7440-02-0	Nickel	23.7	2.1	0.84	mg/Kg			20	6020A
7439-92-1	Lead	38.6	0.64	0.24	mg/Kg			20	6020A
7440-36-0	Antimony	0.69	1.1	0.44	mg/Kg	J		20	6020A
7782-49-2	Selenium	0.43	5.3	0.41	mg/Kg	J		20	6020A
7440-28-0	Thallium	0.30	0.43	0.17	mg/Kg	J		20	6020A
7440-62-2	Vanadium	58.8	2.1	0.83	mg/Kg			20	6020A
7440-66-6	Zinc	155	8.5	2.6	mg/Kg			20	6020A
7439-97-6	Mercury	0.22	0.020	0.014	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: ES-7	Lab Sample ID: 460-99997-7
Lab Name: TestAmerica Edison	Job No.: 460-99997-1
SDG ID.:	
Matrix: Solid	Date Sampled: 08/20/2015 10:35
Reporting Basis: DRY	Date Received: 08/21/2015 12:30
% Solids: 85.1	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	20800	21.0	7.7	mg/Kg			20	6020A
7440-22-4	Silver	0.79	1.0	0.79	mg/Kg	U		20	6020A
7440-38-2	Arsenic	17.2	1.0	0.47	mg/Kg			20	6020A
7440-39-3	Barium	120	2.1	0.69	mg/Kg			20	6020A
7440-41-7	Beryllium	1.4	0.42	0.13	mg/Kg			20	6020A
7440-70-2	Calcium	21000	105	37.6	mg/Kg			20	6020A
7440-43-9	Cadmium	0.33	1.0	0.33	mg/Kg	U		20	6020A
7440-47-3	Chromium	50.3	2.1	0.81	mg/Kg			20	6020A
7440-48-4	Cobalt	13.3	2.1	0.81	mg/Kg			20	6020A
7440-50-8	Copper	39.8	2.1	0.71	mg/Kg			20	6020A
7439-89-6	Iron	36500	63.0	27.2	mg/Kg			20	6020A
7440-09-7	Potassium	4670	105	35.7	mg/Kg			20	6020A
7439-95-4	Magnesium	9930	105	37.7	mg/Kg			20	6020A
7439-96-5	Manganese	495	4.2	1.7	mg/Kg			20	6020A
7440-23-5	Sodium	698	105	40.3	mg/Kg			20	6020A
7440-02-0	Nickel	29.7	2.1	0.82	mg/Kg			20	6020A
7439-92-1	Lead	41.6	0.63	0.23	mg/Kg			20	6020A
7440-36-0	Antimony	1.0	1.0	0.43	mg/Kg			20	6020A
7782-49-2	Selenium	0.49	5.2	0.40	mg/Kg	J		20	6020A
7440-28-0	Thallium	0.43	0.42	0.16	mg/Kg			20	6020A
7440-62-2	Vanadium	65.9	2.1	0.81	mg/Kg			20	6020A
7440-66-6	Zinc	110	8.4	2.6	mg/Kg			20	6020A
7439-97-6	Mercury	0.10	0.019	0.014	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: ES-8

Lab Sample ID: 460-99997-8

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

SDG ID.:

Matrix: Solid

Date Sampled: 08/20/2015 10:58

Reporting Basis: DRY

Date Received: 08/21/2015 12:30

% Solids: 81.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	26800	23.7	8.7	mg/Kg			20	6020A
7440-22-4	Silver	0.89	1.2	0.89	mg/Kg	U		20	6020A
7440-38-2	Arsenic	37.6	1.2	0.53	mg/Kg			20	6020A
7440-39-3	Barium	127	2.4	0.78	mg/Kg			20	6020A
7440-41-7	Beryllium	2.0	0.47	0.15	mg/Kg			20	6020A
7440-70-2	Calcium	4860	119	42.4	mg/Kg			20	6020A
7440-43-9	Cadmium	0.37	1.2	0.37	mg/Kg	U		20	6020A
7440-47-3	Chromium	54.6	2.4	0.92	mg/Kg			20	6020A
7440-48-4	Cobalt	17.3	2.4	0.91	mg/Kg			20	6020A
7440-50-8	Copper	47.3	2.4	0.80	mg/Kg			20	6020A
7439-89-6	Iron	45300	71.1	30.7	mg/Kg			20	6020A
7440-09-7	Potassium	6820	119	40.3	mg/Kg			20	6020A
7439-95-4	Magnesium	13400	119	42.6	mg/Kg			20	6020A
7439-96-5	Manganese	394	4.7	1.9	mg/Kg			20	6020A
7440-23-5	Sodium	432	119	45.5	mg/Kg			20	6020A
7440-02-0	Nickel	40.6	2.4	0.93	mg/Kg			20	6020A
7439-92-1	Lead	24.7	0.71	0.26	mg/Kg			20	6020A
7440-36-0	Antimony	0.49	1.2	0.49	mg/Kg	U		20	6020A
7782-49-2	Selenium	0.46	5.9	0.46	mg/Kg	U		20	6020A
7440-28-0	Thallium	0.74	0.47	0.18	mg/Kg			20	6020A
7440-62-2	Vanadium	110	2.4	0.92	mg/Kg			20	6020A
7440-66-6	Zinc	98.3	9.5	2.9	mg/Kg			20	6020A
7439-97-6	Mercury	0.038	0.019	0.014	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: ES-9

Lab Sample ID: 460-99997-9

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

SDG ID.:

Matrix: Solid

Date Sampled: 08/20/2015 11:20

Reporting Basis: DRY

Date Received: 08/21/2015 12:30

% Solids: 82.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	10500	22.9	8.4	mg/Kg			20	6020A
7440-22-4	Silver	0.86	1.1	0.86	mg/Kg	U		20	6020A
7440-38-2	Arsenic	20.5	1.1	0.51	mg/Kg			20	6020A
7440-39-3	Barium	69.8	2.3	0.76	mg/Kg			20	6020A
7440-41-7	Beryllium	0.58	0.46	0.14	mg/Kg			20	6020A
7440-70-2	Calcium	73200	115	41.0	mg/Kg			20	6020A
7440-43-9	Cadmium	0.36	1.1	0.36	mg/Kg	U		20	6020A
7440-47-3	Chromium	40.5	2.3	0.89	mg/Kg			20	6020A
7440-48-4	Cobalt	5.4	2.3	0.88	mg/Kg			20	6020A
7440-50-8	Copper	29.7	2.3	0.77	mg/Kg			20	6020A
7439-89-6	Iron	13900	68.8	29.7	mg/Kg			20	6020A
7440-09-7	Potassium	1660	115	39.0	mg/Kg			20	6020A
7439-95-4	Magnesium	6670	115	41.2	mg/Kg			20	6020A
7439-96-5	Manganese	259	4.6	1.8	mg/Kg			20	6020A
7440-23-5	Sodium	615	115	44.0	mg/Kg			20	6020A
7440-02-0	Nickel	18.2	2.3	0.90	mg/Kg			20	6020A
7439-92-1	Lead	45.8	0.69	0.25	mg/Kg			20	6020A
7440-36-0	Antimony	0.77	1.1	0.47	mg/Kg	J		20	6020A
7782-49-2	Selenium	0.44	5.7	0.44	mg/Kg	U		20	6020A
7440-28-0	Thallium	0.18	0.46	0.18	mg/Kg	U		20	6020A
7440-62-2	Vanadium	32.3	2.3	0.89	mg/Kg			20	6020A
7440-66-6	Zinc	152	9.2	2.8	mg/Kg			20	6020A
7439-97-6	Mercury	0.20	0.019	0.013	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: ES-10

Lab Sample ID: 460-99997-10

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

SDG ID.:

Matrix: Solid

Date Sampled: 08/20/2015 11:35

Reporting Basis: DRY

Date Received: 08/21/2015 12:30

% Solids: 79.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	26700	24.7	9.1	mg/Kg			20	6020A
7440-22-4	Silver	0.93	1.2	0.93	mg/Kg	U		20	6020A
7440-38-2	Arsenic	20.4	1.2	0.55	mg/Kg			20	6020A
7440-39-3	Barium	111	2.5	0.82	mg/Kg			20	6020A
7440-41-7	Beryllium	2.1	0.49	0.16	mg/Kg			20	6020A
7440-70-2	Calcium	4700	124	44.2	mg/Kg			20	6020A
7440-43-9	Cadmium	0.39	1.2	0.39	mg/Kg	U		20	6020A
7440-47-3	Chromium	61.5	2.5	0.96	mg/Kg			20	6020A
7440-48-4	Cobalt	12.9	2.5	0.95	mg/Kg			20	6020A
7440-50-8	Copper	44.6	2.5	0.83	mg/Kg			20	6020A
7439-89-6	Iron	42600	74.1	32.0	mg/Kg			20	6020A
7440-09-7	Potassium	3500	124	42.0	mg/Kg			20	6020A
7439-95-4	Magnesium	12400	124	44.3	mg/Kg			20	6020A
7439-96-5	Manganese	325	4.9	2.0	mg/Kg			20	6020A
7440-23-5	Sodium	238	124	47.4	mg/Kg			20	6020A
7440-02-0	Nickel	28.9	2.5	0.97	mg/Kg			20	6020A
7439-92-1	Lead	15.6	0.74	0.27	mg/Kg			20	6020A
7440-36-0	Antimony	0.51	1.2	0.51	mg/Kg	U		20	6020A
7782-49-2	Selenium	0.50	6.2	0.48	mg/Kg	J		20	6020A
7440-28-0	Thallium	0.38	0.49	0.19	mg/Kg	J		20	6020A
7440-62-2	Vanadium	67.7	2.5	0.96	mg/Kg			20	6020A
7440-66-6	Zinc	71.9	9.9	3.0	mg/Kg			20	6020A
7439-97-6	Mercury	0.043	0.019	0.013	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: ES-11

Lab Sample ID: 460-99997-11

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

SDG ID.:

Matrix: Solid

Date Sampled: 08/20/2015 11:58

Reporting Basis: DRY

Date Received: 08/21/2015 12:30

% Solids: 82.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13300	23.5	8.7	mg/Kg			20	6020A
7440-22-4	Silver	0.88	1.2	0.88	mg/Kg	U		20	6020A
7440-38-2	Arsenic	8.8	1.2	0.52	mg/Kg			20	6020A
7440-39-3	Barium	98.8	2.4	0.78	mg/Kg			20	6020A
7440-41-7	Beryllium	0.92	0.47	0.15	mg/Kg			20	6020A
7440-70-2	Calcium	66900	118	42.1	mg/Kg			20	6020A
7440-43-9	Cadmium	0.37	1.2	0.37	mg/Kg	U		20	6020A
7440-47-3	Chromium	35.4	2.4	0.91	mg/Kg			20	6020A
7440-48-4	Cobalt	8.7	2.4	0.90	mg/Kg			20	6020A
7440-50-8	Copper	31.1	2.4	0.79	mg/Kg			20	6020A
7439-89-6	Iron	20800	70.6	30.5	mg/Kg			20	6020A
7440-09-7	Potassium	2790	118	40.0	mg/Kg			20	6020A
7439-95-4	Magnesium	8010	118	42.2	mg/Kg			20	6020A
7439-96-5	Manganese	429	4.7	1.9	mg/Kg			20	6020A
7440-23-5	Sodium	668	118	45.2	mg/Kg			20	6020A
7440-02-0	Nickel	21.3	2.4	0.92	mg/Kg			20	6020A
7439-92-1	Lead	40.9	0.71	0.26	mg/Kg			20	6020A
7440-36-0	Antimony	1.1	1.2	0.48	mg/Kg	J		20	6020A
7782-49-2	Selenium	0.45	5.9	0.45	mg/Kg	U		20	6020A
7440-28-0	Thallium	0.18	0.47	0.18	mg/Kg	U		20	6020A
7440-62-2	Vanadium	40.4	2.4	0.91	mg/Kg			20	6020A
7440-66-6	Zinc	296	9.4	2.9	mg/Kg			20	6020A
7439-97-6	Mercury	0.20	0.020	0.014	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: ES-12

Lab Sample ID: 460-99997-12

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

SDG ID.:

Matrix: Solid

Date Sampled: 08/20/2015 12:30

Reporting Basis: DRY

Date Received: 08/21/2015 12:30

% Solids: 83.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13800	23.2	8.5	mg/Kg			20	6020A
7440-22-4	Silver	0.87	1.2	0.87	mg/Kg	U		20	6020A
7440-38-2	Arsenic	5.6	1.2	0.52	mg/Kg			20	6020A
7440-39-3	Barium	117	2.3	0.76	mg/Kg			20	6020A
7440-41-7	Beryllium	0.89	0.46	0.15	mg/Kg			20	6020A
7440-70-2	Calcium	88900	116	41.5	mg/Kg			20	6020A
7440-43-9	Cadmium	0.36	1.2	0.36	mg/Kg	U		20	6020A
7440-47-3	Chromium	28.7	2.3	0.90	mg/Kg			20	6020A
7440-48-4	Cobalt	6.0	2.3	0.89	mg/Kg			20	6020A
7440-50-8	Copper	30.0	2.3	0.78	mg/Kg		F1	20	6020A
7439-89-6	Iron	14700	69.5	30.0	mg/Kg			20	6020A
7440-09-7	Potassium	2300	116	39.4	mg/Kg			20	6020A
7439-95-4	Magnesium	10700	116	41.6	mg/Kg			20	6020A
7439-96-5	Manganese	483	4.6	1.8	mg/Kg			20	6020A
7440-23-5	Sodium	807	116	44.5	mg/Kg			20	6020A
7440-02-0	Nickel	17.5	2.3	0.91	mg/Kg			20	6020A
7439-92-1	Lead	35.2	0.69	0.26	mg/Kg			20	6020A
7440-36-0	Antimony	1.1	1.2	0.48	mg/Kg	J	F1	20	6020A
7782-49-2	Selenium	0.45	5.8	0.45	mg/Kg	U		20	6020A
7440-28-0	Thallium	0.18	0.46	0.18	mg/Kg	U		20	6020A
7440-62-2	Vanadium	27.9	2.3	0.90	mg/Kg			20	6020A
7440-66-6	Zinc	169	9.3	2.8	mg/Kg		F1	20	6020A
7439-97-6	Mercury	0.14	0.020	0.014	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: ES-13	Lab Sample ID: 460-99997-13
Lab Name: TestAmerica Edison	Job No.: 460-99997-1
SDG ID.:	
Matrix: Solid	Date Sampled: 08/20/2015 12:39
Reporting Basis: DRY	Date Received: 08/21/2015 12:30
% Solids: 83.4	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	16600	20.1	7.4	mg/Kg			20	6020A
7440-22-4	Silver	0.76	1.0	0.76	mg/Kg	U		20	6020A
7440-38-2	Arsenic	7.0	1.0	0.45	mg/Kg			20	6020A
7440-39-3	Barium	97.7	2.0	0.66	mg/Kg			20	6020A
7440-41-7	Beryllium	0.76	0.40	0.13	mg/Kg			20	6020A
7440-70-2	Calcium	12000	101	36.1	mg/Kg			20	6020A
7440-43-9	Cadmium	0.31	1.0	0.31	mg/Kg	U		20	6020A
7440-47-3	Chromium	30.3	2.0	0.78	mg/Kg			20	6020A
7440-48-4	Cobalt	7.6	2.0	0.77	mg/Kg			20	6020A
7440-50-8	Copper	28.9	2.0	0.68	mg/Kg			20	6020A
7439-89-6	Iron	25500	60.4	26.1	mg/Kg			20	6020A
7440-09-7	Potassium	2040	101	34.2	mg/Kg			20	6020A
7439-95-4	Magnesium	5150	101	36.2	mg/Kg			20	6020A
7439-96-5	Manganese	316	4.0	1.6	mg/Kg			20	6020A
7440-23-5	Sodium	195	101	38.7	mg/Kg			20	6020A
7440-02-0	Nickel	18.8	2.0	0.79	mg/Kg			20	6020A
7439-92-1	Lead	37.9	0.60	0.22	mg/Kg			20	6020A
7440-36-0	Antimony	0.41	1.0	0.41	mg/Kg	J		20	6020A
7782-49-2	Selenium	0.43	5.0	0.39	mg/Kg	J		20	6020A
7440-28-0	Thallium	0.17	0.40	0.16	mg/Kg	J		20	6020A
7440-62-2	Vanadium	43.0	2.0	0.78	mg/Kg			20	6020A
7440-66-6	Zinc	110	8.1	2.5	mg/Kg			20	6020A
7439-97-6	Mercury	0.063	0.019	0.013	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: ES-14

Lab Sample ID: 460-99997-14

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

SDG ID.:

Matrix: Solid

Date Sampled: 08/20/2015 12:51

Reporting Basis: DRY

Date Received: 08/21/2015 12:30

% Solids: 86.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	19700	19.7	7.2	mg/Kg			20	6020A
7440-22-4	Silver	0.74	0.98	0.74	mg/Kg	U		20	6020A
7440-38-2	Arsenic	9.4	0.98	0.44	mg/Kg			20	6020A
7440-39-3	Barium	123	2.0	0.65	mg/Kg			20	6020A
7440-41-7	Beryllium	1.3	0.39	0.12	mg/Kg			20	6020A
7440-70-2	Calcium	8720	98.5	35.3	mg/Kg			20	6020A
7440-43-9	Cadmium	0.31	0.98	0.31	mg/Kg	U		20	6020A
7440-47-3	Chromium	34.5	2.0	0.76	mg/Kg			20	6020A
7440-48-4	Cobalt	16.3	2.0	0.76	mg/Kg			20	6020A
7440-50-8	Copper	45.9	2.0	0.66	mg/Kg			20	6020A
7439-89-6	Iron	31600	59.1	25.5	mg/Kg			20	6020A
7440-09-7	Potassium	3470	98.5	33.5	mg/Kg			20	6020A
7439-95-4	Magnesium	6810	98.5	35.4	mg/Kg			20	6020A
7439-96-5	Manganese	691	3.9	1.6	mg/Kg			20	6020A
7440-23-5	Sodium	459	98.5	37.8	mg/Kg			20	6020A
7440-02-0	Nickel	23.5	2.0	0.77	mg/Kg			20	6020A
7439-92-1	Lead	44.5	0.59	0.22	mg/Kg			20	6020A
7440-36-0	Antimony	0.40	0.98	0.40	mg/Kg	U		20	6020A
7782-49-2	Selenium	0.51	4.9	0.38	mg/Kg	J		20	6020A
7440-28-0	Thallium	0.31	0.39	0.15	mg/Kg	J		20	6020A
7440-62-2	Vanadium	59.7	2.0	0.76	mg/Kg			20	6020A
7440-66-6	Zinc	119	7.9	2.4	mg/Kg			20	6020A
7439-97-6	Mercury	0.13	0.020	0.014	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: ES-15

Lab Sample ID: 460-99997-15

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

SDG ID.:

Matrix: Solid

Date Sampled: 08/20/2015 13:20

Reporting Basis: DRY

Date Received: 08/21/2015 12:30

% Solids: 80.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	34200	23.5	8.7	mg/Kg			20	6020A
7440-22-4	Silver	0.89	1.2	0.89	mg/Kg	U		20	6020A
7440-38-2	Arsenic	29.3	1.2	0.53	mg/Kg			20	6020A
7440-39-3	Barium	267	2.4	0.78	mg/Kg			20	6020A
7440-41-7	Beryllium	2.4	0.47	0.15	mg/Kg			20	6020A
7440-70-2	Calcium	2830	118	42.1	mg/Kg			20	6020A
7440-43-9	Cadmium	0.37	1.2	0.37	mg/Kg	U		20	6020A
7440-47-3	Chromium	55.0	2.4	0.91	mg/Kg			20	6020A
7440-48-4	Cobalt	11.3	2.4	0.90	mg/Kg			20	6020A
7440-50-8	Copper	33.2	2.4	0.79	mg/Kg			20	6020A
7439-89-6	Iron	42800	70.6	30.5	mg/Kg			20	6020A
7440-09-7	Potassium	6190	118	40.0	mg/Kg			20	6020A
7439-95-4	Magnesium	10200	118	42.3	mg/Kg			20	6020A
7439-96-5	Manganese	204	4.7	1.9	mg/Kg			20	6020A
7440-23-5	Sodium	1050	118	45.2	mg/Kg			20	6020A
7440-02-0	Nickel	35.9	2.4	0.92	mg/Kg			20	6020A
7439-92-1	Lead	20.9	0.71	0.26	mg/Kg			20	6020A
7440-36-0	Antimony	0.48	1.2	0.48	mg/Kg	U		20	6020A
7782-49-2	Selenium	0.49	5.9	0.45	mg/Kg	J		20	6020A
7440-28-0	Thallium	0.60	0.47	0.18	mg/Kg			20	6020A
7440-62-2	Vanadium	86.4	2.4	0.91	mg/Kg			20	6020A
7440-66-6	Zinc	70.7	9.4	2.9	mg/Kg			20	6020A
7439-97-6	Mercury	0.023	0.020	0.014	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: ES-16

Lab Sample ID: 460-99997-16

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

SDG ID.:

Matrix: Solid

Date Sampled: 08/20/2015 13:37

Reporting Basis: DRY

Date Received: 08/21/2015 12:30

% Solids: 88.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	13300	20.2	7.4	mg/Kg			20	6020A
7440-22-4	Silver	0.76	1.0	0.76	mg/Kg	U		20	6020A
7440-38-2	Arsenic	7.3	1.0	0.45	mg/Kg			20	6020A
7440-39-3	Barium	62.6	2.0	0.67	mg/Kg			20	6020A
7440-41-7	Beryllium	0.82	0.40	0.13	mg/Kg			20	6020A
7440-70-2	Calcium	28600	101	36.2	mg/Kg			20	6020A
7440-43-9	Cadmium	0.32	1.0	0.32	mg/Kg	U		20	6020A
7440-47-3	Chromium	29.2	2.0	0.78	mg/Kg			20	6020A
7440-48-4	Cobalt	8.8	2.0	0.78	mg/Kg			20	6020A
7440-50-8	Copper	73.7	2.0	0.68	mg/Kg			20	6020A
7439-89-6	Iron	23900	60.6	26.2	mg/Kg			20	6020A
7440-09-7	Potassium	3010	101	34.4	mg/Kg			20	6020A
7439-95-4	Magnesium	6990	101	36.3	mg/Kg			20	6020A
7439-96-5	Manganese	293	4.0	1.6	mg/Kg			20	6020A
7440-23-5	Sodium	712	101	38.8	mg/Kg			20	6020A
7440-02-0	Nickel	19.7	2.0	0.79	mg/Kg			20	6020A
7439-92-1	Lead	20.5	0.61	0.22	mg/Kg			20	6020A
7440-36-0	Antimony	0.42	1.0	0.42	mg/Kg	U		20	6020A
7782-49-2	Selenium	0.40	5.1	0.39	mg/Kg	J		20	6020A
7440-28-0	Thallium	0.17	0.40	0.16	mg/Kg	J		20	6020A
7440-62-2	Vanadium	52.6	2.0	0.78	mg/Kg			20	6020A
7440-66-6	Zinc	193	8.1	2.5	mg/Kg			20	6020A
7439-97-6	Mercury	0.16	0.018	0.013	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: ES-17

Lab Sample ID: 460-99997-17

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

SDG ID.:

Matrix: Solid

Date Sampled: 08/20/2015 13:53

Reporting Basis: DRY

Date Received: 08/21/2015 12:30

% Solids: 82.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	10200	22.5	8.3	mg/Kg			20	6020A
7440-22-4	Silver	0.85	1.1	0.85	mg/Kg	U		20	6020A
7440-38-2	Arsenic	10.3	1.1	0.50	mg/Kg			20	6020A
7440-39-3	Barium	77.4	2.3	0.74	mg/Kg			20	6020A
7440-41-7	Beryllium	0.65	0.45	0.14	mg/Kg			20	6020A
7440-70-2	Calcium	51900	113	40.3	mg/Kg			20	6020A
7440-43-9	Cadmium	0.35	1.1	0.35	mg/Kg	U		20	6020A
7440-47-3	Chromium	31.2	2.3	0.87	mg/Kg			20	6020A
7440-48-4	Cobalt	7.1	2.3	0.86	mg/Kg			20	6020A
7440-50-8	Copper	31.2	2.3	0.76	mg/Kg			20	6020A
7439-89-6	Iron	14000	67.5	29.2	mg/Kg			20	6020A
7440-09-7	Potassium	2310	113	38.3	mg/Kg			20	6020A
7439-95-4	Magnesium	5820	113	40.4	mg/Kg			20	6020A
7439-96-5	Manganese	306	4.5	1.8	mg/Kg			20	6020A
7440-23-5	Sodium	715	113	43.2	mg/Kg			20	6020A
7440-02-0	Nickel	18.9	2.3	0.88	mg/Kg			20	6020A
7439-92-1	Lead	40.9	0.68	0.25	mg/Kg			20	6020A
7440-36-0	Antimony	1.1	1.1	0.46	mg/Kg			20	6020A
7782-49-2	Selenium	0.43	5.6	0.43	mg/Kg	U		20	6020A
7440-28-0	Thallium	0.17	0.45	0.17	mg/Kg	U		20	6020A
7440-62-2	Vanadium	31.5	2.3	0.87	mg/Kg			20	6020A
7440-66-6	Zinc	171	9.0	2.7	mg/Kg			20	6020A
7439-97-6	Mercury	0.44	0.019	0.013	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: ES-18

Lab Sample ID: 460-99997-18

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

SDG ID.:

Matrix: Solid

Date Sampled: 08/20/2015 14:20

Reporting Basis: DRY

Date Received: 08/21/2015 12:30

% Solids: 81.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	9440	23.2	8.5	mg/Kg			20	6020A
7440-22-4	Silver	0.87	1.2	0.87	mg/Kg	U		20	6020A
7440-38-2	Arsenic	7.2	1.2	0.52	mg/Kg			20	6020A
7440-39-3	Barium	87.2	2.3	0.77	mg/Kg			20	6020A
7440-41-7	Beryllium	0.65	0.46	0.15	mg/Kg			20	6020A
7440-70-2	Calcium	97000	116	41.5	mg/Kg			20	6020A
7440-43-9	Cadmium	0.36	1.2	0.36	mg/Kg	U		20	6020A
7440-47-3	Chromium	29.6	2.3	0.90	mg/Kg			20	6020A
7440-48-4	Cobalt	4.7	2.3	0.89	mg/Kg			20	6020A
7440-50-8	Copper	33.5	2.3	0.78	mg/Kg			20	6020A
7439-89-6	Iron	11800	69.6	30.1	mg/Kg			20	6020A
7440-09-7	Potassium	1700	116	39.5	mg/Kg			20	6020A
7439-95-4	Magnesium	9170	116	41.7	mg/Kg			20	6020A
7439-96-5	Manganese	305	4.6	1.8	mg/Kg			20	6020A
7440-23-5	Sodium	843	116	44.6	mg/Kg			20	6020A
7440-02-0	Nickel	15.8	2.3	0.91	mg/Kg			20	6020A
7439-92-1	Lead	41.3	0.70	0.26	mg/Kg			20	6020A
7440-36-0	Antimony	1.7	1.2	0.48	mg/Kg			20	6020A
7782-49-2	Selenium	0.45	5.8	0.45	mg/Kg	U		20	6020A
7440-28-0	Thallium	0.18	0.46	0.18	mg/Kg	U		20	6020A
7440-62-2	Vanadium	26.3	2.3	0.90	mg/Kg			20	6020A
7440-66-6	Zinc	224	9.3	2.8	mg/Kg			20	6020A
7439-97-6	Mercury	0.17	0.020	0.014	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: ES-19

Lab Sample ID: 460-99997-19

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

SDG ID.:

Matrix: Solid

Date Sampled: 08/20/2015 14:37

Reporting Basis: DRY

Date Received: 08/21/2015 12:30

% Solids: 82.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	10900	23.8	8.7	mg/Kg			20	6020A
7440-22-4	Silver	0.89	1.2	0.89	mg/Kg	U		20	6020A
7440-38-2	Arsenic	5.8	1.2	0.53	mg/Kg			20	6020A
7440-39-3	Barium	80.3	2.4	0.78	mg/Kg			20	6020A
7440-41-7	Beryllium	0.70	0.48	0.15	mg/Kg			20	6020A
7440-70-2	Calcium	92000	119	42.5	mg/Kg			20	6020A
7440-43-9	Cadmium	0.37	1.2	0.37	mg/Kg	U		20	6020A
7440-47-3	Chromium	30.2	2.4	0.92	mg/Kg			20	6020A
7440-48-4	Cobalt	5.8	2.4	0.91	mg/Kg			20	6020A
7440-50-8	Copper	34.2	2.4	0.80	mg/Kg			20	6020A
7439-89-6	Iron	14100	71.3	30.8	mg/Kg			20	6020A
7440-09-7	Potassium	1900	119	40.4	mg/Kg			20	6020A
7439-95-4	Magnesium	8380	119	42.7	mg/Kg			20	6020A
7439-96-5	Manganese	368	4.8	1.9	mg/Kg			20	6020A
7440-23-5	Sodium	745	119	45.6	mg/Kg			20	6020A
7440-02-0	Nickel	18.5	2.4	0.93	mg/Kg			20	6020A
7439-92-1	Lead	38.4	0.71	0.26	mg/Kg			20	6020A
7440-36-0	Antimony	1.3	1.2	0.49	mg/Kg			20	6020A
7782-49-2	Selenium	0.46	5.9	0.46	mg/Kg	U		20	6020A
7440-28-0	Thallium	0.18	0.48	0.18	mg/Kg	U		20	6020A
7440-62-2	Vanadium	30.1	2.4	0.92	mg/Kg			20	6020A
7440-66-6	Zinc	213	9.5	2.9	mg/Kg			20	6020A
7439-97-6	Mercury	0.21	0.020	0.014	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: ES-20	Lab Sample ID: 460-99997-20
Lab Name: TestAmerica Edison	Job No.: 460-99997-1
SDG ID.:	
Matrix: Solid	Date Sampled: 08/20/2015 14:50
Reporting Basis: DRY	Date Received: 08/21/2015 12:30
% Solids: 85.1	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	18600	19.7	7.3	mg/Kg			20	6020A
7440-22-4	Silver	0.74	0.99	0.74	mg/Kg	U		20	6020A
7440-38-2	Arsenic	6.2	0.99	0.44	mg/Kg			20	6020A
7440-39-3	Barium	147	2.0	0.65	mg/Kg			20	6020A
7440-41-7	Beryllium	1.5	0.39	0.12	mg/Kg			20	6020A
7440-70-2	Calcium	27000	98.7	35.3	mg/Kg			20	6020A
7440-43-9	Cadmium	0.31	0.99	0.31	mg/Kg	U		20	6020A
7440-47-3	Chromium	55.1	2.0	0.77	mg/Kg			20	6020A
7440-48-4	Cobalt	15.1	2.0	0.76	mg/Kg			20	6020A
7440-50-8	Copper	39.9	2.0	0.67	mg/Kg			20	6020A
7439-89-6	Iron	34700	59.2	25.6	mg/Kg			20	6020A
7440-09-7	Potassium	5690	98.7	33.6	mg/Kg			20	6020A
7439-95-4	Magnesium	12900	98.7	35.4	mg/Kg			20	6020A
7439-96-5	Manganese	569	3.9	1.6	mg/Kg			20	6020A
7440-23-5	Sodium	748	98.7	37.9	mg/Kg			20	6020A
7440-02-0	Nickel	36.3	2.0	0.77	mg/Kg			20	6020A
7439-92-1	Lead	27.6	0.59	0.22	mg/Kg			20	6020A
7440-36-0	Antimony	0.41	0.99	0.41	mg/Kg	J		20	6020A
7782-49-2	Selenium	0.38	4.9	0.38	mg/Kg	U		20	6020A
7440-28-0	Thallium	0.29	0.39	0.15	mg/Kg	J		20	6020A
7440-62-2	Vanadium	47.6	2.0	0.76	mg/Kg			20	6020A
7440-66-6	Zinc	103	7.9	2.4	mg/Kg			20	6020A
7439-97-6	Mercury	0.85	0.018	0.012	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: ES-21	Lab Sample ID: 460-99997-21
Lab Name: TestAmerica Edison	Job No.: 460-99997-1
SDG ID.:	
Matrix: Solid	Date Sampled: 08/20/2015 15:37
Reporting Basis: DRY	Date Received: 08/21/2015 12:30
% Solids: 86.4	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	25100	21.2	7.8	mg/Kg			20	6020A
7440-22-4	Silver	0.80	1.1	0.80	mg/Kg	U		20	6020A
7440-38-2	Arsenic	2.8	1.1	0.47	mg/Kg			20	6020A
7440-39-3	Barium	75.1	2.1	0.70	mg/Kg			20	6020A
7440-41-7	Beryllium	0.47	0.42	0.13	mg/Kg			20	6020A
7440-70-2	Calcium	7240	106	38.0	mg/Kg			20	6020A
7440-43-9	Cadmium	0.33	1.1	0.33	mg/Kg	U		20	6020A
7440-47-3	Chromium	155	2.1	0.82	mg/Kg			20	6020A
7440-48-4	Cobalt	36.3	2.1	0.82	mg/Kg			20	6020A
7440-50-8	Copper	95.4	2.1	0.72	mg/Kg			20	6020A
7439-89-6	Iron	41600	63.7	27.5	mg/Kg			20	6020A
7440-09-7	Potassium	854	106	36.1	mg/Kg			20	6020A
7439-95-4	Magnesium	12700	106	38.1	mg/Kg			20	6020A
7439-96-5	Manganese	929	4.2	1.7	mg/Kg			20	6020A
7440-23-5	Sodium	602	106	40.8	mg/Kg			20	6020A
7440-02-0	Nickel	101	2.1	0.83	mg/Kg			20	6020A
7439-92-1	Lead	10.3	0.64	0.23	mg/Kg			20	6020A
7440-36-0	Antimony	0.44	1.1	0.44	mg/Kg	U	F1	20	6020A
7782-49-2	Selenium	0.41	5.3	0.41	mg/Kg	U		20	6020A
7440-28-0	Thallium	0.16	0.42	0.16	mg/Kg	U		20	6020A
7440-62-2	Vanadium	104	2.1	0.82	mg/Kg			20	6020A
7440-66-6	Zinc	56.4	8.5	2.6	mg/Kg			20	6020A
7439-97-6	Mercury	0.015	0.017	0.012	mg/Kg	J		1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: ES-22

Lab Sample ID: 460-99997-22

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

SDG ID.:

Matrix: Solid

Date Sampled: 08/20/2015 16:01

Reporting Basis: DRY

Date Received: 08/21/2015 12:30

% Solids: 84.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	28900	22.2	8.2	mg/Kg			20	6020A
7440-22-4	Silver	0.84	1.1	0.84	mg/Kg	U		20	6020A
7440-38-2	Arsenic	9.3	1.1	0.50	mg/Kg			20	6020A
7440-39-3	Barium	240	2.2	0.73	mg/Kg			20	6020A
7440-41-7	Beryllium	1.7	0.44	0.14	mg/Kg			20	6020A
7440-70-2	Calcium	2160	111	39.8	mg/Kg			20	6020A
7440-43-9	Cadmium	0.35	1.1	0.35	mg/Kg	U		20	6020A
7440-47-3	Chromium	37.6	2.2	0.86	mg/Kg			20	6020A
7440-48-4	Cobalt	13.2	2.2	0.85	mg/Kg			20	6020A
7440-50-8	Copper	31.3	2.2	0.75	mg/Kg			20	6020A
7439-89-6	Iron	31800	66.7	28.8	mg/Kg			20	6020A
7440-09-7	Potassium	3660	111	37.8	mg/Kg			20	6020A
7439-95-4	Magnesium	6190	111	39.9	mg/Kg			20	6020A
7439-96-5	Manganese	942	4.4	1.8	mg/Kg			20	6020A
7440-23-5	Sodium	156	111	42.7	mg/Kg			20	6020A
7440-02-0	Nickel	26.5	2.2	0.87	mg/Kg			20	6020A
7439-92-1	Lead	86.4	0.67	0.25	mg/Kg			20	6020A
7440-36-0	Antimony	0.46	1.1	0.46	mg/Kg	U		20	6020A
7782-49-2	Selenium	0.81	5.6	0.43	mg/Kg	J		20	6020A
7440-28-0	Thallium	0.29	0.44	0.17	mg/Kg	J		20	6020A
7440-62-2	Vanadium	45.4	2.2	0.86	mg/Kg			20	6020A
7440-66-6	Zinc	113	8.9	2.7	mg/Kg			20	6020A
7439-97-6	Mercury	0.23	0.020	0.014	mg/Kg			1	7471B

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

SDG No.: _____

ICV Source: ME_IMS_ICV_00050

Concentration Units: ug/L

CCV Source: ME_imsCal3_00145

Analyte	ICV 460-319928/6 08/30/2015 18:28				CCV 460-319928/13 08/30/2015 19:05				CCV 460-319928/25 08/30/2015 20:13			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	394.6		400	99	492.4		500	98	504.6		500	101
Antimony	39.71		40.0	99	48.97		50.0	98	49.69		50.0	99
Arsenic	40.10		40.0	100	49.62		50.0	99	50.25		50.0	101
Barium	40.42		40.0	101	49.33		50.0	99	50.29		50.0	101
Beryllium	39.18		40.0	98	49.35		50.0	99	49.70		50.0	99
Cadmium	40.36		40.0	101	50.19		50.0	100	50.51		50.0	101
Calcium	3931		4000	98	4944		5000	99	5040		5000	101
Chromium	39.63		40.0	99	49.51		50.0	99	50.42		50.0	101
Cobalt	39.29		40.0	98	49.07		50.0	98	49.90		50.0	100
Copper	40.22		40.0	101	50.18		50.0	100	51.21		50.0	102
Iron	3965		4000	99	4975		5000	100	5048		5000	101
Lead	40.06		40.0	100	49.31		50.0	99	50.38		50.0	101
Magnesium	3990		4000	100	4952		5000	99	5082		5000	102
Manganese	402.0		400	101	509.6		500	102	514.0		500	103
Nickel	40.33		40.0	101	50.16		50.0	100	51.26		50.0	103
Potassium	3954		4000	99	4926		5000	99	5022		5000	100
Selenium	40.04		40.0	100	49.70		50.0	99	51.02		50.0	102
Silver	39.16		40.0	98	45.13		50.0	90	46.21		50.0	92
Sodium	3939		4000	98	4894		5000	98	5020		5000	100
Thallium	8.02		8.00	100	9.85		10.0	98	10.07		10.0	101
Vanadium	39.49		40.0	99	49.25		50.0	99	50.20		50.0	100
Zinc	39.88		40.0	100	49.09		50.0	98	50.72		50.0	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

SDG No.: _____

ICV Source: ME_IMS_ICV_00050

Concentration Units: ug/L

CCV Source: ME_imsCal3_00145

Analyte	CCV 460-319928/37 08/30/2015 21:17				CCV 460-319928/49 08/30/2015 22:21				CCV 460-319928/62 08/30/2015 23:31			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	502.7		500	101	497.3		500	99	493.4		500	99
Antimony	49.42		50.0	99	49.99		50.0	100	49.90		50.0	100
Arsenic	50.39		50.0	101	50.70		50.0	101	50.17		50.0	100
Barium	50.60		50.0	101	50.62		50.0	101	50.53		50.0	101
Beryllium	49.26		50.0	99	49.69		50.0	99	49.57		50.0	99
Cadmium	50.38		50.0	101	50.40		50.0	101	49.81		50.0	100
Calcium	4987		5000	100	5015		5000	100	4975		5000	100
Chromium	50.69		50.0	101	50.16		50.0	100	50.24		50.0	100
Cobalt	50.12		50.0	100	49.80		50.0	100	49.74		50.0	99
Copper	51.39		50.0	103	50.86		50.0	102	50.68		50.0	101
Iron	5066		5000	101	5025		5000	101	5029		5000	101
Lead	50.18		50.0	100	50.02		50.0	100	50.12		50.0	100
Magnesium	5028		5000	101	5056		5000	101	4981		5000	100
Manganese	510.8		500	102	513.6		500	103	515.9		500	103
Nickel	51.48		50.0	103	50.96		50.0	102	51.07		50.0	102
Potassium	5034		5000	101	5011		5000	100	4982		5000	100
Selenium	50.13		50.0	100	50.23		50.0	100	49.78		50.0	100
Silver	45.95		50.0	92	46.16		50.0	92	45.54		50.0	91
Sodium	4961		5000	99	4960		5000	99	4880		5000	98
Thallium	10.10		10.0	101	10.00		10.0	100	10.07		10.0	101
Vanadium	50.29		50.0	101	50.25		50.0	101	49.85		50.0	100
Zinc	50.47		50.0	101	51.10		50.0	102	50.59		50.0	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

SDG No.: _____

ICV Source: ME_CAL1_6020A_00058

Concentration Units: ug/L

CCV Source: ME_CAL1_6020A_00058

Analyte	ICVL 460-319928/8 08/30/2015 18:39				CCVL 460-319928/15 08/30/2015 19:16				CCVL 460-319928/27 08/30/2015 20:23			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	19.48	J	20.0	97	19.86	J	20.0	99	20.37		20.0	102
Antimony	1.07		1.00	107	1.06		1.00	106	1.04		1.00	104
Arsenic	1.04		1.00	104	0.991	J	1.00	99	1.02		1.00	102
Barium	2.02		2.00	101	1.99	J	2.00	99	2.02		2.00	101
Beryllium	0.417		0.400	104	0.372	J	0.400	93	0.372	J	0.400	93
Cadmium	0.990	J	1.00	99	0.975	J	1.00	98	0.985	J	1.00	98
Calcium	98.83	J	100	99	101.0		100	101	102.0		100	102
Chromium	1.94	J	2.00	97	1.98	J	2.00	99	1.98	J	2.00	99
Cobalt	1.94	J	2.00	97	1.97	J	2.00	99	2.01		2.00	101
Copper	2.06		2.00	103	2.08		2.00	104	2.12		2.00	106
Iron	64.77		60.0	108	65.42		60.0	109	65.81		60.0	110
Lead	0.586	J	0.600	98	0.583	J	0.600	97	0.593	J	0.600	99
Magnesium	98.53	J	100	99	99.56	J	100	100	100.9		100	101
Manganese	4.04		4.00	101	3.97	J	4.00	99	4.10		4.00	102
Nickel	1.97	J	2.00	99	2.06		2.00	103	2.09		2.00	104
Potassium	97.34	J	100	97	97.76	J	100	98	99.21	J	100	99
Selenium	4.97	J	5.00	99	4.74	J	5.00	95	4.94	J	5.00	99
Silver	0.983	J	1.00	98	0.968	J	1.00	97	0.988	J	1.00	99
Sodium	94.54	J	100	95	95.31	J	100	95	94.18	J	100	94
Thallium	0.400		0.400	100	0.395	J	0.400	99	0.385	J	0.400	96
Vanadium	1.91	J	2.00	95	1.91	J	2.00	96	1.95	J	2.00	97
Zinc	8.22		8.00	103	8.29		8.00	104	8.41		8.00	105

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

SDG No.: _____

ICV Source: ME_CAL1_6020A_00058

Concentration Units: ug/L

CCV Source: ME_CAL1_6020A_00058

Analyte	CCVL 460-319928/39 08/30/2015 21:28				CCVL 460-319928/51 08/30/2015 22:32				CCVL 460-319928/64 08/30/2015 23:42			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	19.22	J	20.0	96	19.95	J	20.0	100	19.97	J	20.0	100
Antimony	0.983	J	1.00	98	1.02		1.00	102	1.03		1.00	103
Arsenic	1.03		1.00	103	1.01		1.00	101	0.962	J	1.00	96
Barium	1.97	J	2.00	99	2.01		2.00	101	2.03		2.00	102
Beryllium	0.359	J	0.400	90	0.417		0.400	104	0.379	J	0.400	95
Cadmium	0.991	J	1.00	99	1.00		1.00	100	0.957	J	1.00	96
Calcium	98.25	J	100	98	100.5		100	101	100.6		100	101
Chromium	1.89	J	2.00	95	2.00		2.00	100	2.00		2.00	100
Cobalt	1.91	J	2.00	95	1.98	J	2.00	99	1.99	J	2.00	100
Copper	2.00		2.00	100	2.09		2.00	104	2.07		2.00	103
Iron	63.02		60.0	105	65.89		60.0	110	66.09		60.0	110
Lead	0.593	J	0.600	99	0.594	J	0.600	99	0.578	J	0.600	96
Magnesium	94.99	J	100	95	99.38	J	100	99	98.59	J	100	99
Manganese	3.88	J	4.00	97	4.01		4.00	100	4.02		4.00	101
Nickel	2.05		2.00	103	2.03		2.00	102	2.09		2.00	104
Potassium	91.14	J	100	91	98.78	J	100	99	96.89	J	100	97
Selenium	5.00		5.00	100	4.81	J	5.00	96	5.03		5.00	101
Silver	0.974	J	1.00	97	1.00		1.00	100	0.958	J	1.00	96
Sodium	85.87	J	100	86	90.43	J	100	90	88.22	J	100	88
Thallium	0.386	J	0.400	96	0.392	J	0.400	98	0.379	J	0.400	95
Vanadium	1.87	J	2.00	93	1.97	J	2.00	99	1.94	J	2.00	97
Zinc	8.17		8.00	102	8.29		8.00	104	8.47		8.00	106

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

ICV Source: ME_IMS_ICV_00050 Concentration Units: ug/L

CCV Source: ME_imsCal3_00145

Analyte	ICV 460-319998/6 08/31/2015 13:40				CCV 460-319998/15 08/31/2015 14:29				CCV 460-319998/23 08/31/2015 15:12			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
<i>Al</i>	399.7		400	100	472.1		500	94	472.5		500	95
<i>As</i>	40.08		40.0	100	47.46		50.0	95	47.11		50.0	94
<i>Ba</i>	40.71		40.0	102	47.23		50.0	94	47.69		50.0	95
<i>Be</i>	39.26		40.0	98	47.10		50.0	94	46.99		50.0	94
<i>Ca</i>	4010		4000	100	4743		5000	95	4713		5000	94
<i>Cd</i>	39.80		40.0	100	47.34		50.0	95	47.41		50.0	95
<i>Co</i>	39.94		40.0	100	46.64		50.0	93	46.38		50.0	93
<i>Cr</i>	40.14		40.0	100	46.85		50.0	94	46.64		50.0	93
<i>Cu</i>	40.72		40.0	102	47.42		50.0	95	47.16		50.0	94
<i>Fe</i>	4017		4000	100	4697		5000	94	4681		5000	94
<i>K</i>	4020		4000	101	4737		5000	95	4709		5000	94
<i>Mg</i>	4015		4000	100	4727		5000	95	4698		5000	94
<i>Mn</i>	410.9		400	103	479.6		500	96	474.9		500	95
<i>Na</i>	3973		4000	99	4641		5000	93	4635		5000	93
<i>Ni</i>	40.69		40.0	102	47.59		50.0	95	47.41		50.0	95
<i>Pb</i>	40.37		40.0	101	47.02		50.0	94	46.73		50.0	93
<i>Sb</i>	39.45		40.0	99	46.52		50.0	93	46.31		50.0	93
<i>Se</i>	40.27		40.0	101	47.37		50.0	95	47.67		50.0	95
<i>Tl</i>	8.07		8.00	101	9.39		10.0	94	9.37		10.0	94
<i>V</i>	40.13		40.0	100	47.13		50.0	94	46.62		50.0	93
<i>Zn</i>	40.01		40.0	100	47.00		50.0	94	46.66		50.0	93

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

ICV Source: ME_CAL1_6020A_00058 Concentration Units: ug/L

CCV Source: ME_CAL1_6020A_00058

Analyte	ICVL 460-319998/8 08/31/2015 13:51				CCVL 460-319998/17 08/31/2015 14:40				CCVL 460-319998/25 08/31/2015 15:23			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
<i>Ag</i>	0.988	J	1.00	99	0.976	J	1.00	98	0.957	J	1.00	96
<i>Al</i>	19.79	J	20.0	99	20.08		20.0	100	19.99	J	20.0	100
<i>As</i>	1.00		1.00	100	0.963	J	1.00	96	0.957	J	1.00	96
<i>Ba</i>	2.05		2.00	103	1.95	J	2.00	97	1.96	J	2.00	98
<i>Be</i>	0.413		0.400	103	0.390	J	0.400	97	0.435		0.400	109
<i>Ca</i>	104.3		100	104	102.8		100	103	103.2		100	103
<i>Cd</i>	0.967	J	1.00	97	0.975	J	1.00	97	1.00		1.00	100
<i>Co</i>	1.95	J	2.00	98	1.93	J	2.00	97	1.90	J	2.00	95
<i>Cr</i>	1.95	J	2.00	98	1.94	J	2.00	97	1.90	J	2.00	95
<i>Cu</i>	2.03		2.00	101	2.05		2.00	102	2.02		2.00	101
<i>Fe</i>	66.76		60.0	111	65.96		60.0	110	65.76		60.0	110
<i>K</i>	96.98	J	100	97	95.02	J	100	95	97.23	J	100	97
<i>Mg</i>	99.39	J	100	99	98.95	J	100	99	100.1		100	100
<i>Mn</i>	4.08		4.00	102	3.97	J	4.00	99	3.96	J	4.00	99
<i>Na</i>	95.56	J	100	96	92.56	J	100	93	100.6		100	101
<i>Ni</i>	2.02		2.00	101	1.99	J	2.00	100	2.01		2.00	100
<i>Pb</i>	0.577	J	0.600	96	0.572	J	0.600	95	0.570	J	0.600	95
<i>Sb</i>	1.02		1.00	102	0.984	J	1.00	98	0.999	J	1.00	100
<i>Se</i>	4.94	J	5.00	99	4.79	J	5.00	96	4.87	J	5.00	97
<i>Tl</i>	0.375	J	0.400	94	0.373	J	0.400	93	0.374	J	0.400	94
<i>V</i>	1.94	J	2.00	97	1.87	J	2.00	93	1.90	J	2.00	95
<i>Zn</i>	8.35		8.00	104	8.22		8.00	103	8.08		8.00	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

ICV Source: ME_DQCS-INT_01988 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_01988

Analyte	ICV 460-319713/8 08/29/2015 12:31				CCV 460-319713/19 08/29/2015 12:53				CCV 460-319713/30 08/29/2015 13:19			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.91		5.00	98	5.24		5.00	105	5.26		5.00	105

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

ICV Source: ME_DQCS-INT_01988 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_01988

Analyte	CCV 460-319713/39 08/29/2015 13:41				CCV 460-319713/49 08/29/2015 14:02				CCV 460-319713/59 08/29/2015 14:22			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.24		5.00	105	5.15		5.00	103	5.17		5.00	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-319928/7 08/30/2015 18:33		CCB 460-319928/14 08/30/2015 19:11		CCB 460-319928/26 08/30/2015 20:18		CCB 460-319928/38 08/30/2015 21:22	
		Found	C	Found	C	Found	C	Found	C
Aluminum	20.0	6.8	U	6.8	U	6.8	U	6.8	U
Antimony	1.0	0.38	U	0.38	U	0.38	U	0.38	U
Arsenic	1.0	0.36	U	0.36	U	0.36	U	0.36	U
Barium	2.0	0.73	U	0.73	U	0.73	U	0.73	U
Beryllium	0.40	0.15	U	0.15	U	0.15	U	0.15	U
Cadmium	1.0	0.36	U	0.36	U	0.36	U	0.36	U
Calcium	100	34.8	U	34.8	U	34.8	U	34.8	U
Chromium	2.0	0.76	U	0.76	U	0.76	U	0.76	U
Cobalt	2.0	0.75	U	0.75	U	0.75	U	0.75	U
Copper	2.0	0.80	U	0.80	U	0.80	U	0.80	U
Iron	60.0	24.6	U	24.6	U	24.6	U	24.6	U
Lead	0.60	0.22	U	0.22	U	0.22	U	0.22	U
Magnesium	100	34.2	U	34.2	U	34.2	U	34.2	U
Manganese	4.0	1.5	U	1.5	U	1.5	U	1.5	U
Nickel	2.0	0.81	U	0.81	U	0.81	U	0.81	U
Potassium	100	37.4	U	37.4	U	37.4	U	37.4	U
Selenium	5.0	0.40	U	0.40	U	0.40	U	0.40	U
Silver	1.0	0.73	U	0.73	U	0.73	U	0.73	U
Sodium	100	43.8	U	43.8	U	43.8	U	43.8	U
Thallium	0.40	0.16	U	0.16	U	0.16	U	0.16	U
Vanadium	2.0	0.68	U	0.68	U	0.68	U	0.68	U
Zinc	8.0	3.2	U	3.2	U	3.2	U	3.2	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 460-319928/50 08/30/2015 22:27		CCB 460-319928/63 08/30/2015 23:36					
		Found	C	Found	C	Found	C	Found	C
Aluminum	20.0	6.8	U	6.8	U				
Antimony	1.0	0.38	U	0.38	U				
Arsenic	1.0	0.36	U	0.36	U				
Barium	2.0	0.73	U	0.73	U				
Beryllium	0.40	0.15	U	0.15	U				
Cadmium	1.0	0.36	U	0.36	U				
Calcium	100	34.8	U	34.8	U				
Chromium	2.0	0.76	U	0.76	U				
Cobalt	2.0	0.75	U	0.75	U				
Copper	2.0	0.80	U	0.80	U				
Iron	60.0	24.6	U	24.6	U				
Lead	0.60	0.22	U	0.22	U				
Magnesium	100	34.2	U	34.2	U				
Manganese	4.0	1.5	U	1.5	U				
Nickel	2.0	0.81	U	0.81	U				
Potassium	100	37.4	U	37.4	U				
Selenium	5.0	0.40	U	0.40	U				
Silver	1.0	0.73	U	0.73	U				
Sodium	100	43.8	U	43.8	U				
Thallium	0.40	0.16	U	0.16	U				
Vanadium	2.0	0.68	U	0.68	U				
Zinc	8.0	3.2	U	3.2	U				

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-319998/7 08/31/2015 13:46		CCB 460-319998/16 08/31/2015 14:34		CCB 460-319998/24 08/31/2015 15:17			
		Found	C	Found	C	Found	C	Found	C
<i>Ag</i>	1.0	0.73	U	0.73	U	0.73	U		
<i>Al</i>	20.0	6.8	U	6.8	U	6.8	U		
<i>As</i>	1.0	0.36	U	0.36	U	0.36	U		
<i>Ba</i>	2.0	0.73	U	0.73	U	0.73	U		
<i>Be</i>	0.40	0.15	U	0.15	U	0.15	U		
<i>Ca</i>	100	34.8	U	34.8	U	34.8	U		
<i>Cd</i>	1.0	0.36	U	0.36	U	0.36	U		
<i>Co</i>	2.0	0.75	U	0.75	U	0.75	U		
<i>Cr</i>	2.0	0.76	U	0.76	U	0.76	U		
<i>Cu</i>	2.0	0.80	U	0.80	U	0.80	U		
<i>Fe</i>	60.0	24.6	U	24.6	U	24.6	U		
<i>K</i>	100	37.4	U	37.4	U	37.4	U		
<i>Mg</i>	100	34.2	U	34.2	U	34.2	U		
<i>Mn</i>	4.0	1.5	U	1.5	U	1.5	U		
<i>Na</i>	100	43.8	U	43.8	U	43.8	U		
<i>Ni</i>	2.0	0.81	U	0.81	U	0.81	U		
<i>Pb</i>	0.60	0.22	U	0.22	U	0.22	U		
<i>Sb</i>	1.0	0.38	U	0.38	U	0.38	U		
<i>Se</i>	5.0	0.40	U	0.40	U	0.40	U		
<i>Tl</i>	0.40	0.16	U	0.16	U	0.16	U		
<i>V</i>	2.0	0.68	U	0.68	U	0.68	U		
<i>Zn</i>	8.0	3.2	U	3.2	U	3.2	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-319713/9 08/29/2015 12:33		CCB 460-319713/20 08/29/2015 12:56		CCB 460-319713/31 08/29/2015 13:21		CCB 460-319713/40 08/29/2015 13:43	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.14	U	0.14	U	0.14	U	0.14	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Concentration Units: ug/L

Analyte	RL	CCB 460-319713/50 08/29/2015 14:04		CCB 460-319713/60 08/29/2015 14:25					
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.14	U	0.14	U				

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Concentration Units: mg/Kg Lab Sample ID: MB 460-319427/1-A ^20
 Instrument Code: ICPMS1 Batch No.: 319928

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	7.4	U		6020A_DKQP
7440-22-4	Silver	0.75	U		6020A_DKQP
7440-38-2	Arsenic	0.45	U		6020A_DKQP
7440-39-3	Barium	0.66	U		6020A_DKQP
7440-41-7	Beryllium	0.13	U		6020A_DKQP
7440-70-2	Calcium	35.8	U		6020A_DKQP
7440-43-9	Cadmium	0.31	U		6020A_DKQP
7440-47-3	Chromium	0.78	U		6020A_DKQP
7440-48-4	Cobalt	0.77	U		6020A_DKQP
7440-50-8	Copper	0.67	U		6020A_DKQP
7439-89-6	Iron	25.9	U		6020A_DKQP
7440-09-7	Potassium	34.0	U		6020A_DKQP
7439-95-4	Magnesium	35.9	U		6020A_DKQP
7439-96-5	Manganese	1.6	U		6020A_DKQP
7440-23-5	Sodium	38.4	U		6020A_DKQP
7440-02-0	Nickel	0.78	U		6020A_DKQP
7439-92-1	Lead	0.22	U		6020A_DKQP
7440-36-0	Antimony	0.41	U		6020A_DKQP
7782-49-2	Selenium	0.39	U		6020A_DKQP
7440-28-0	Thallium	0.16	U		6020A_DKQP
7440-62-2	Vanadium	0.77	U		6020A_DKQP
7440-66-6	Zinc	2.4	U		6020A_DKQP

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Concentration Units: mg/Kg Lab Sample ID: MB 460-319429/1-A ^20
 Instrument Code: ICPMS1 Batch No.: 319928

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	7.4	U		6020A_DKQP
7440-22-4	Silver	0.75	U		6020A_DKQP
7440-38-2	Arsenic	0.45	U		6020A_DKQP
7440-39-3	Barium	0.66	U		6020A_DKQP
7440-41-7	Beryllium	0.13	U		6020A_DKQP
7440-70-2	Calcium	35.8	U		6020A_DKQP
7440-43-9	Cadmium	0.31	U		6020A_DKQP
7440-47-3	Chromium	0.78	U		6020A_DKQP
7440-48-4	Cobalt	0.77	U		6020A_DKQP
7440-50-8	Copper	0.67	U		6020A_DKQP
7439-89-6	Iron	25.9	U		6020A_DKQP
7440-09-7	Potassium	34.0	U		6020A_DKQP
7439-95-4	Magnesium	35.9	U		6020A_DKQP
7439-96-5	Manganese	1.6	U		6020A_DKQP
7440-23-5	Sodium	38.4	U		6020A_DKQP
7440-02-0	Nickel	0.78	U		6020A_DKQP
7439-92-1	Lead	0.22	U		6020A_DKQP
7440-36-0	Antimony	0.41	U		6020A_DKQP
7782-49-2	Selenium	0.39	U		6020A_DKQP
7440-28-0	Thallium	0.16	U		6020A_DKQP
7440-62-2	Vanadium	0.77	U		6020A_DKQP
7440-66-6	Zinc	2.4	U		6020A_DKQP

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Concentration Units: mg/Kg Lab Sample ID: MB 460-319643/1-A

Instrument Code: LEEMAN5 Batch No.: 319713

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.012	U		7471B_DKQP

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Concentration Units: mg/Kg Lab Sample ID: MB 460-319651/1-A

Instrument Code: LEEMAN5 Batch No.: 319713

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.012	U		7471B_DKQP

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-319928/9 Instrument ID: ICPMS1
 Lab File ID: 011ICSA.D ICS Source: ME_ICSA_MS_00353
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	50000	46820	94
Antimony		0.148	
Arsenic		0.198	
Barium		0.174	
Beryllium		0.0139	
Cadmium		0.580	
Calcium	150000	144900	97
Chromium		1.67	
Cobalt		0.0266	
Copper		0.493	
Iron	125000	117400	94
Lead		0.279	
Magnesium	50000	46730	93
Manganese		0.342	
Nickel		0.239	
Potassium	50000	47300	95
Selenium		0.0910	
Silver		0.189	
Sodium	125000	117200	94
Thallium		0.0020	
Vanadium		0.215	
Zinc		1.08	
<i>B</i>		<i>0.693</i>	
<i>Mo</i>	<i>1000</i>	<i>1061</i>	<i>106</i>
<i>Sn</i>		<i>0.341</i>	
<i>Sr</i>		<i>1.02</i>	
<i>Ti</i>	<i>1000</i>	<i>1010</i>	<i>101</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-319928/10 Instrument ID: ICPMS1
 Lab File ID: 012ICSB.D ICS Source: ME_ICSAB_MS_00203
 Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	50000	46920	94
Antimony		0.108	
Arsenic	100	104	104
Barium		0.200	
Beryllium		0.0230	
Cadmium	100	96.1	96
Calcium	150000	145700	97
Chromium	200	200	100
Cobalt	200	194	97
Copper	200	185	92
Iron	125000	117600	94
Lead		0.286	
Magnesium	50000	46570	93
Manganese	200	196	98
Nickel	200	189	95
Potassium	50000	47410	95
Selenium	100	98.6	99
Silver	200	170	85
Sodium	125000	117800	94
Thallium		-0.0008	
Vanadium	200	204	102
Zinc	100	91.0	91
<i>B</i>		<i>0.379</i>	
<i>Mo</i>	<i>1000</i>	<i>1072</i>	<i>107</i>
<i>Sn</i>		<i>0.106</i>	
<i>Sr</i>		<i>1.01</i>	
<i>Ti</i>	<i>1000</i>	<i>1008</i>	<i>101</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-319998/9 Instrument ID: ICPMS1
 Lab File ID: 011ICSA.D ICS Source: ME_ICSA_MS_00353
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Ag		0.202	
Al	50000	46470	93
As		0.216	
B		0.433	
Ba		0.188	
Be		0.0116	
Ca	150000	143300	96
Cd		0.597	
Co		0.0110	
Cr		1.64	
Cu		0.480	
Fe	125000	116600	93
K	50000	47120	94
Mg	50000	46560	93
Mn		0.332	
Mo	1000	1044	104
Na	125000	118600	95
Ni		0.231	
Pb		0.265	
Sb		0.106	
Se		0.0988	
Sn		0.303	
Sr		1.01	
Ti	1000	1008	101
Tl		-0.0060	
V		0.210	
Zn		1.04	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Edison Job No.: 460-99997-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-319998/10 Instrument ID: ICPMS1
 Lab File ID: 012ICSB.D ICS Source: ME_ICSAB_MS_00203
 Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Ag	200	172	86
Al	50000	47800	96
As	100	105	105
B		0.0343	
Ba		0.211	
Be		0.0014	
Ca	150000	147400	98
Cd	100	96.0	96
Co	200	196	98
Cr	200	202	101
Cu	200	183	92
Fe	125000	119200	95
K	50000	48340	97
Mg	50000	47550	95
Mn	200	198	99
Mo	1000	1063	106
Na	125000	120000	96
Ni	200	191	95
Pb		0.279	
Sb		0.0871	
Se	100	98.6	99
Sn		0.106	
Sr		1.02	
Ti	1000	1022	102
Tl		-0.0078	
V	200	206	103
Zn	100	91.1	91

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: ES-12 MS

Lab ID: 460-99997-12 MS

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 83.8

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	13380	13800	579	-70	75-125	4	6020A
Arsenic	16.29	5.6	11.6	92	75-125		6020A
Barium	120.6	117	11.6	27	75-125	4	6020A
Beryllium	6.38	0.89	5.79	95	75-125		6020A
Calcium	88950	88900	579	0	75-125	4	6020A
Cadmium	5.45	0.36	U 5.79	94	75-125		6020A
Chromium	39.99	28.7	11.6	98	75-125		6020A
Cobalt	10.42	6.0	5.79	77	75-125		6020A
Copper	35.18	30.0	11.6	45	75-125	F1	6020A
Iron	14290	14700	579	-78	75-125	4	6020A
Potassium	2811	2300	579	87	75-125		6020A
Magnesium	9516	10700	579	-201	75-125	4	6020A
Manganese	459.6	483	57.9	-40	75-125	4	6020A
Sodium	1281	807	579	82	75-125		6020A
Nickel	26.66	17.5	11.6	79	75-125		6020A
Lead	42.23	35.2	5.79	122	75-125	4	6020A
Antimony	2.96	1.1	J 5.79	33	75-125	F1	6020A
Selenium	10.65	0.45	U 11.6	92	75-125		6020A
Thallium	4.53	0.18	U 4.63	98	75-125		6020A
Vanadium	38.18	27.9	11.6	88	75-125		6020A
Zinc	209.8	169	57.9	70	75-125	F1	6020A
Mercury	0.243	0.14	0.0994	108	75-125		7471B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: ES-21 MS

Lab ID: 460-99997-21 MS

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 86.4

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	27710	25100	536	477	75-125	4	6020A
Arsenic	12.83	2.8	10.7	93	75-125		6020A
Barium	87.92	75.1	10.7	120	75-125	4	6020A
Beryllium	5.39	0.47	5.36	92	75-125		6020A
Calcium	7728	7240	536	90	75-125	4	6020A
Cadmium	5.14	0.33	U 5.36	96	75-125		6020A
Chromium	173.5	155	10.7	170	75-125	4	6020A
Cobalt	40.07	36.3	5.36	70	75-125	4	6020A
Copper	104.4	95.4	10.7	84	75-125	4	6020A
Iron	42730	41600	536	210	75-125	4	6020A
Potassium	1393	854	536	101	75-125		6020A
Magnesium	14090	12700	536	252	75-125	4	6020A
Manganese	808.6	929	53.6	-224	75-125	4	6020A
Sodium	1123	602	536	97	75-125		6020A
Nickel	113.7	101	10.7	122	75-125	4	6020A
Lead	15.23	10.3	5.36	93	75-125		6020A
Antimony	1.32	0.44	U 5.36	25	75-125	F1	6020A
Selenium	9.97	0.41	U 10.7	93	75-125		6020A
Thallium	4.34	0.16	U 4.29	101	75-125		6020A
Vanadium	111.7	104	10.7	70	75-125	4	6020A
Zinc	102.5	56.4	53.6	86	75-125		6020A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 460-100149-D-12-I MS
Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
Matrix: Solid Concentration Units: mg/Kg
% Solids: 92.3

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.0993	0.013 U	0.0903	110	75-125		7471B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: ES-12 PDS

Lab ID: 460-99997-12 PDS

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	13970	13800	579	NC	80-120		6020A
Arsenic	16.83	5.6	11.6	97	80-120		6020A
Barium	124.8	117	11.6	NC	80-120		6020A
Beryllium	6.47	0.89	5.79	96	80-120		6020A
Calcium	87240	88900	579	NC	80-120		6020A
Cadmium	5.85	0.36	5.79	101	80-120		6020A
Chromium	39.48	28.7	11.6	93	80-120		6020A
Cobalt	11.50	6.0	5.79	95	80-120		6020A
Copper	35.60	30.0	11.6	48	80-120	W	6020A
Iron	15110	14700	579	NC	80-120		6020A
Potassium	2816	2300	579	88	80-120		6020A
Magnesium	11050	10700	579	NC	80-120		6020A
Manganese	532.8	483	57.9	87	80-120		6020A
Sodium	1380	807	579	99	80-120		6020A
Nickel	28.72	17.5	11.6	97	80-120		6020A
Lead	40.24	35.2	5.79	87	80-120		6020A
Antimony	6.72	1.1	5.79	98	80-120		6020A
Selenium	11.81	0.45	11.6	102	80-120		6020A
Thallium	4.94	0.18	4.63	107	80-120		6020A
Vanadium	38.67	27.9	11.6	93	80-120		6020A
Zinc	221.1	169	57.9	89	80-120		6020A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: ES-21 PDS

Lab ID: 460-99997-21 PDS

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	26090	25100	531	NC	80-120		6020A
Arsenic	13.23	2.8	10.6	98	80-120		6020A
Barium	87.80	75.1	10.6	120	80-120		6020A
Beryllium	5.74	0.47	5.31	99	80-120		6020A
Calcium	7909	7240	531	NC	80-120		6020A
Cadmium	5.40	0.33	U 5.31	102	80-120		6020A
Chromium	170.3	155	10.6	NC	80-120		6020A
Cobalt	42.04	36.3	5.31	108	80-120		6020A
Copper	106.4	95.4	10.6	104	80-120		6020A
Iron	42910	41600	531	NC	80-120		6020A
Potassium	1436	854	531	109	80-120		6020A
Magnesium	13470	12700	531	NC	80-120		6020A
Manganese	995.6	929	53.1	NC	80-120		6020A
Sodium	1129	602	531	99	80-120		6020A
Nickel	113.2	101	10.6	118	80-120		6020A
Lead	15.74	10.3	5.31	103	80-120		6020A
Antimony	5.40	0.44	U 5.31	102	80-120		6020A
Selenium	10.40	0.41	U 10.6	98	80-120		6020A
Thallium	4.45	0.16	U 4.25	105	80-120		6020A
Vanadium	116.3	104	10.6	114	80-120		6020A
Zinc	105.0	56.4	53.1	92	80-120		6020A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

6-IN
DUPLICATES
METALS

Client ID: ES-12 DU

Lab ID: 460-99997-12 DU

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

SDG No.: _____

% Solids for Sample: 83.8

% Solids for Duplicate: 83.8

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Aluminum	22.1	13800	12230	12		6020A
Silver	1.1	0.87 U	0.83 U	NC		6020A
Arsenic	1.1	5.6	4.99	12		6020A
Barium	2.2	117	90.51	26		6020A
Beryllium	0.44	0.89	0.734	19		6020A
Calcium	110	88900	78350	13		6020A
Cadmium	1.1	0.36 U	0.34 U	NC		6020A
Chromium	2.2	28.7	31.86	11		6020A
Cobalt	2.2	6.0	6.10	2		6020A
Copper	2.2	30.0	32.34	7		6020A
Iron	66.3	14700	14940	1		6020A
Potassium	110	2300	2206	4		6020A
Magnesium	110	10700	8607	22		6020A
Manganese	4.4	483	377.6	24		6020A
Sodium	110	807	1286	46	F3	6020A
Nickel	2.2	17.5	18.52	6		6020A
Lead	0.66	35.2	35.50	0.9		6020A
Antimony	1.1	1.1 J	0.951 J	11		6020A
Selenium	5.5	0.45 U	0.43 U	NC		6020A
Thallium	0.44	0.18 U	0.17 U	NC		6020A
Vanadium	2.2	27.9	31.82	13		6020A
Zinc	8.8	169	234.0	32		6020A
Mercury	0.020	0.14	0.129	5		7471B

Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN
DUPLICATES
METALS

Client ID: ES-21 DU

Lab ID: 460-99997-21 DU

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

SDG No.: _____

% Solids for Sample: 86.4

% Solids for Duplicate: 86.4

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Aluminum	21.6	25100	23710	6		6020A
Silver	1.1	0.80 U	0.81 U	NC		6020A
Arsenic	1.1	2.8	2.69	5		6020A
Barium	2.2	75.1	64.83	15		6020A
Beryllium	0.43	0.47	0.446	5		6020A
Calcium	108	7240	6953	4		6020A
Cadmium	1.1	0.33 U	0.34 U	NC		6020A
Chromium	2.2	155	150.6	3		6020A
Cobalt	2.2	36.3	27.58	27		6020A
Copper	2.2	95.4	83.88	13		6020A
Iron	64.9	41600	38620	7		6020A
Potassium	108	854	820.2	4		6020A
Magnesium	108	12700	12340	3		6020A
Manganese	4.3	929	582.3	46	F3	6020A
Sodium	108	602	559.3	7		6020A
Nickel	2.2	101	93.09	8		6020A
Lead	0.65	10.3	9.09	12		6020A
Antimony	1.1	0.44 U	0.44 U	NC		6020A
Selenium	5.4	0.41 U	0.42 U	NC		6020A
Thallium	0.43	0.16 U	0.17 U	NC		6020A
Vanadium	2.2	104	98.25	6		6020A
Zinc	8.7	56.4	51.93	8		6020A

Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN
DUPLICATES
METALS

Client ID: _____ Lab ID: 460-100149-D-12-H DU
Lab Name: TestAmerica Edison Job No.: 460-99997-1
SDG No.: _____
% Solids for Sample: 92.3 % Solids for Duplicate: 92.3
Matrix: Solid Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Mercury	0.018	0.013 U	0.013 U	NC		7471B

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-319427/2-A ^100

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

Sample Matrix: Solid

LCS Source: ME_LCSS_87_00003

Analyte	Solid (mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	7930	6938		87.5	50.2	150.1		6020A
Arsenic	98.5	91.06		92.4	77.8	122.8		6020A
Barium	308	279.2		90.6	82.5	117.5		6020A
Beryllium	66.0	59.57		90.3	83.0	116.8		6020A
Calcium	6610	6010		90.9	83.7	116.2		6020A
Cadmium	146	135.4		92.7	82.9	117.8		6020A
Chromium	182	167.7		92.2	79.7	120.3		6020A
Cobalt	162	149.2		92.1	83.3	116.0		6020A
Copper	106	100.9		95.2	81.5	118.9		6020A
Iron	14400	13710		95.2	44.1	155.6		6020A
Potassium	2550	2240		87.8	69.0	130.6		6020A
Magnesium	2640	2400		90.9	75.8	124.6		6020A
Manganese	410	376.7		91.9	81.2	119.0		6020A
Sodium	2480	2328		93.9	70.6	129.0		6020A
Nickel	149	143.1		96.1	82.6	117.4		6020A
Lead	130	120.0		92.3	82.3	117.7		6020A
Antimony	105	69.13		65.8	0.1	201.0		6020A
Selenium	154	144.8		94.0	77.9	122.1		6020A
Thallium	175	164.3		93.9	78.3	121.1		6020A
Vanadium	96.7	88.51		91.5	77.2	123.1		6020A
Zinc	191	177.2		92.8	83.2	116.8		6020A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-319429/2-A

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

Sample Matrix: Solid

LCS Source: ME_LCSS_87_00003

Analyte	Solid (mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	7930	6921		87.3	50.2	150.1		6020A
Arsenic	98.5	93.32		94.7	77.8	122.8		6020A
Barium	308	285.6		92.7	82.5	117.5		6020A
Beryllium	66.0	61.68		93.5	83.0	116.8		6020A
Calcium	6610	6074		91.9	83.7	116.2		6020A
Cadmium	146	138.5		94.9	82.9	117.8		6020A
Chromium	182	171.0		94.0	79.7	120.3		6020A
Cobalt	162	154.6		95.4	83.3	116.0		6020A
Copper	106	102.3		96.5	81.5	118.9		6020A
Iron	14400	14070		97.7	44.1	155.6		6020A
Potassium	2550	2292		89.9	69.0	130.6		6020A
Magnesium	2640	2432		92.1	75.8	124.6		6020A
Manganese	410	384.0		93.6	81.2	119.0		6020A
Sodium	2480	2245		90.5	70.6	129.0		6020A
Nickel	149	147.6		99.0	82.6	117.4		6020A
Lead	130	118.7		91.3	82.3	117.7		6020A
Antimony	105	69.01		65.7	0.1	201.0		6020A
Selenium	154	145.9		94.8	77.9	122.1		6020A
Thallium	175	166.9		95.4	78.3	121.1		6020A
Vanadium	96.7	90.54		93.6	77.2	123.1		6020A
Zinc	191	181.5		95.0	83.2	116.8		6020A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-319643/2-A ^20

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

Sample Matrix: Solid

LCS Source: ME_LCSS_87_00003

Analyte	Solid (mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	7.10	8.02		112.9	73.7	126.3		7471B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-319651/2-A ^20

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

Sample Matrix: Solid

LCS Source: ME_LCSS_87_00003

Analyte	Solid (mg/Kg)						
	True	Found	C	%R	Limits	Q	Method
Mercury	7.10	7.00		98.6	73.7 126.3		7471B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-99997-12

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-99997-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Aluminum	13800		14130		2.5		6020A
Silver	0.87	U	4.4	U	NC		6020A
Arsenic	5.6		5.53	J	NC		6020A
Barium	117		116.3		NC		6020A
Beryllium	0.89		1.09	J	NC		6020A
Calcium	88900		84830		4.6		6020A
Cadmium	0.36	U	1.8	U	NC		6020A
Chromium	28.7		28.09		NC		6020A
Cobalt	6.0		5.85	J	NC		6020A
Copper	30.0		26.25		NC		6020A
Iron	14700		14590		NC		6020A
Potassium	2300		2160		NC		6020A
Magnesium	10700		11090		NC		6020A
Manganese	483		470.2		NC		6020A
Sodium	807		734.8		NC		6020A
Nickel	17.5		17.27		NC		6020A
Lead	35.2		33.63		NC		6020A
Antimony	1.1	J	2.4	U	NC		6020A
Selenium	0.45	U	2.2	U	NC		6020A
Thallium	0.18	U	0.90	U	NC		6020A
Vanadium	27.9		27.10		NC		6020A
Zinc	169		171.6		NC		6020A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-99997-21

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-99997-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Aluminum	25100		27670		10		6020A
Silver	0.80	U	4.0	U	NC		6020A
Arsenic	2.8		2.78	J	NC		6020A
Barium	75.1		78.21		NC		6020A
Beryllium	0.47		0.67	U	NC		6020A
Calcium	7240		7763		NC		6020A
Cadmium	0.33	U	1.7	U	NC		6020A
Chromium	155		163.2		NC		6020A
Cobalt	36.3		39.22		NC		6020A
Copper	95.4		103.6		NC		6020A
Iron	41600		44320		6.5		6020A
Potassium	854		904.3		NC		6020A
Magnesium	12700		13990		NC		6020A
Manganese	929		999.3		NC		6020A
Sodium	602		575.6		NC		6020A
Nickel	101		109.3		NC		6020A
Lead	10.3		10.54		NC		6020A
Antimony	0.44	U	2.2	U	NC		6020A
Selenium	0.41	U	2.0	U	NC		6020A
Thallium	0.16	U	0.82	U	NC		6020A
Vanadium	104		110.1		NC		6020A
Zinc	56.4		61.17		NC		6020A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-99997-12

SDG No: _____

Lab Name: TestAmerica Edison

Job No: 460-99997-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Mercury	0.14		0.150		NC		7471B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-100149-D-12-G SD ^5

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-99997-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample		Serial		% Difference	Q	Method
	Result (I)	C	Result (S)	C			
Mercury	0.013	U	0.065	U	NC		7471B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-99997-1
 SDG Number: _____
 Matrix: Solid Instrument ID: ICPMS1
 Method: 6020A MDL Date: 05/05/2015 14:35
 Prep Method: 3050B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Aluminum		20	7.36
Antimony		1	0.411
Arsenic		1	0.446
Barium		2	0.66
Beryllium		0.4	0.126
Cadmium		1	0.312
Calcium		100	35.8
Chromium		2	0.776
Cobalt		2	0.768
Copper		2	0.674
Iron		60	25.9
Lead		0.6	0.221
Magnesium		100	35.9
Manganese		4	1.58
Nickel		2	0.782
Potassium		100	34
Selenium		5	0.385
Silver		1	0.752
Sodium		100	38.4
Thallium		0.4	0.155
Vanadium		2	0.774
Zinc		8	2.44

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison

Job Number: 460-99997-1

SDG Number: _____

Matrix: Solid

Instrument ID: ICPMS1

Method: 6020A

XMDL Date: 05/05/2015 14:17

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		40	13.5
Antimony		2	0.76
Arsenic		2	0.71
Barium		4	1.45
Beryllium		0.8	0.29
Cadmium		2	0.72
Calcium		200	69.5
Chromium		4	1.51
Cobalt		4	1.49
Copper		4	1.59
Iron		120	49.1
Lead		1.2	0.44
Magnesium		200	68.4
Manganese		8	3.04
Nickel		4	1.62
Potassium		200	74.8
Selenium		10	0.79
Silver		2	1.45
Sodium		200	87.6
Thallium		0.8	0.31
Vanadium		4	1.36
Zinc		16	6.49

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-99997-1
SDG Number: _____
Matrix: Solid Instrument ID: LEEMAN5
Method: 7471B MDL Date: 04/17/2015 14:06
Prep Method: 7471B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Mercury		0.017	0.012

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-99997-1
SDG Number: _____
Matrix: Solid Instrument ID: LEEMAN5
Method: 7471B XMDL Date: 04/17/2015 14:06

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.14

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Edison

Job No: 460-99997-1

SDG No.: _____

Instrument ID: ICPMS1

Date: 11/11/2014 10:02

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Aluminum		40000	6020A
Silver		500	6020A
Arsenic		4000	6020A
Barium		4000	6020A
Beryllium		4000	6020A
Calcium		400000	6020A
Cadmium		4000	6020A
Chromium		2000	6020A
Cobalt		2000	6020A
Copper		1000	6020A
Iron		400000	6020A
Potassium		400000	6020A
Magnesium		200000	6020A
Manganese		20000	6020A
Sodium		400000	6020A
Nickel		4000	6020A
Lead		4000	6020A
Antimony		4000	6020A
Selenium		2000	6020A
Thallium		4000	6020A
Vanadium		4000	6020A
Zinc		1000	6020A

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

SDG No.: _____

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-319427/1-A ^20	08/28/2015 07:29	319427	1.00		50
LCSSRM 460-319427/2-A ^100	08/28/2015 07:29	319427	1.04		50
460-99997-12	08/28/2015 07:29	319427	1.03		50
460-99997-12 DU	08/28/2015 07:29	319427	1.08		50
460-99997-12 MS	08/28/2015 07:29	319427	1.03		50
460-99997-1	08/28/2015 07:29	319427	1.14		50
460-99997-2	08/28/2015 07:29	319427	1.02		50
460-99997-3	08/28/2015 07:29	319427	1.05		50
460-99997-4	08/28/2015 07:29	319427	1.03		50
460-99997-5	08/28/2015 07:29	319427	1.01		50
460-99997-6	08/28/2015 07:29	319427	1.11		50
460-99997-7	08/28/2015 07:29	319427	1.12		50
460-99997-8	08/28/2015 07:29	319427	1.04		50
460-99997-9	08/28/2015 07:29	319427	1.06		50
460-99997-10	08/28/2015 07:29	319427	1.02		50
460-99997-11	08/28/2015 07:29	319427	1.03		50
460-99997-13	08/28/2015 07:29	319427	1.19		50
460-99997-14	08/28/2015 07:29	319427	1.18		50
460-99997-15	08/28/2015 07:29	319427	1.05		50
460-99997-16	08/28/2015 07:29	319427	1.12		50
460-99997-17	08/28/2015 07:29	319427	1.08		50
460-99997-18	08/28/2015 07:29	319427	1.06		50
460-99997-19	08/28/2015 07:29	319427	1.02		50
460-99997-20	08/28/2015 07:29	319427	1.19		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-319429/1-A ^20	08/28/2015 07:41	319429	1.00		50
LCSSRM 460-319429/2-A	08/28/2015 07:41	319429	1.01		50
460-99997-21	08/28/2015 07:41	319429	1.09		50
460-99997-21 DU	08/28/2015 07:41	319429	1.07		50
460-99997-21 MS	08/28/2015 07:41	319429	1.08		50
460-99997-22	08/28/2015 07:41	319429	1.07		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

SDG No.: _____

Prep Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-319643/1-A	08/29/2015 09:25	319643	0.60		50
LCSSRM 460-319643/2-A ^20	08/29/2015 09:25	319643	0.60		50
460-99997-12	08/29/2015 09:25	319643	0.60		50
460-99997-12 DU	08/29/2015 09:25	319643	0.60		50
460-99997-12 MS	08/29/2015 09:25	319643	0.60		50
460-99997-1	08/29/2015 09:25	319643	0.63		50
460-99997-2	08/29/2015 09:25	319643	0.64		50
460-99997-3	08/29/2015 09:25	319643	0.61		50
460-99997-4	08/29/2015 09:25	319643	0.62		50
460-99997-5	08/29/2015 09:25	319643	0.63		50
460-99997-6	08/29/2015 09:25	319643	0.62		50
460-99997-7	08/29/2015 09:25	319643	0.62		50
460-99997-8	08/29/2015 09:25	319643	0.65		50
460-99997-9	08/29/2015 09:25	319643	0.66		50
460-99997-10	08/29/2015 09:25	319643	0.68		50
460-99997-11	08/29/2015 09:25	319643	0.63		50
460-99997-13	08/29/2015 09:25	319643	0.65		50
460-99997-14	08/29/2015 09:25	319643	0.60		50
460-99997-15	08/29/2015 09:25	319643	0.64		50
460-99997-16	08/29/2015 09:25	319643	0.65		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Prep Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-319651/1-A	08/29/2015 10:08	319651	0.60		50
LCSSRM 460-319651/2-A ^20	08/29/2015 10:08	319651	0.60		50
460-100149-D-12-H DU	08/29/2015 10:08	319651	0.60		50
460-100149-D-12-I MS	08/29/2015 10:08	319651	0.60		50
460-99997-17	08/29/2015 10:08	319651	0.67		50
460-99997-18	08/29/2015 10:08	319651	0.63		50
460-99997-19	08/29/2015 10:08	319651	0.62		50
460-99997-20	08/29/2015 10:08	319651	0.68		50
460-99997-21	08/29/2015 10:08	319651	0.68		50
460-99997-22	08/29/2015 10:08	319651	0.60		50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Instrument ID: ICPMS1 Method: 6020A

Start Date: 08/30/2015 18:01 End Date: 08/31/2015 05:00

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e	T l
CALIBSTD 460-319928/1 IC	1		18:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
IC 460-319928/2	1		18:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
IC 460-319928/3	1		18:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
IC 460-319928/4	1		18:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
IC 460-319928/5	1		18:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICV 460-319928/6	1		18:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICB 460-319928/7	1		18:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICVL 460-319928/8	1		18:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSA 460-319928/9	1		18:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSAB 460-319928/10	1		18:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			18:55																				
ZZZZZZ			19:00																				
CCV 460-319928/13	1		19:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-319928/14	1		19:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCVL 460-319928/15	1		19:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MB 460-319427/1-A ^20	20	T	19:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
LCSSRM 460-319427/2-A ^100	100	T	19:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-99997-12 PDS	20	T	19:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-99997-12 MS	20	T	19:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-99997-12 DU	20	T	19:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-99997-12	20	T	19:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-99997-12 SD	100	T	19:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-99997-1	20	T	20:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-99997-2	20	T	20:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCV 460-319928/25	1		20:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-319928/26	1		20:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCVL 460-319928/27	1		20:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-99997-3	20	T	20:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-99997-4	20	T	20:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-99997-5	20	T	20:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-99997-6	20	T	20:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-99997-7	20	T	20:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-99997-8	20	T	20:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-99997-9	20	T	21:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-99997-10	20	T	21:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-99997-11	20	T	21:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCV 460-319928/37	1		21:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-319928/38	1		21:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCVL 460-319928/39	1		21:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			21:33																				
460-99997-13	20	T	21:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Instrument ID: ICPMS1 Method: 6020A

Start Date: 08/30/2015 18:01 End Date: 08/31/2015 05:00

Lab Sample ID	D / F	T y p e	Time	Analytes																		
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e
460-99997-14	20	T	21:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-99997-15	20	T	21:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-99997-16	20	T	21:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-99997-17	20	T	22:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-99997-18	20	T	22:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-99997-19	20	T	22:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-99997-20	20	T	22:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 460-319928/49	1		22:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-319928/50	1		22:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-319928/51	1		22:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 460-319429/1-A ^20	20	T	22:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCSSRM 460-319429/2-A	100	T	22:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-99997-21 PDS	20	T	22:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-99997-21 MS	20	T	22:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-99997-21 DU	20	T	22:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-99997-21	20	T	23:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-99997-21 SD	100	T	23:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-99997-22	20	T	23:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			23:20																			
ZZZZZZ			23:26																			
CCV 460-319928/62	1		23:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-319928/63	1		23:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-319928/64	1		23:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			23:47																			
ZZZZZZ			23:53																			
ZZZZZZ			23:58																			
ZZZZZZ			00:03																			
ZZZZZZ			00:09																			
ZZZZZZ			00:14																			
ZZZZZZ			00:19																			
ZZZZZZ			00:25																			
ZZZZZZ			00:30																			
ZZZZZZ			00:36																			
CCV 460-319928/75			00:41																			
CCB 460-319928/76			00:46																			
CCVL 460-319928/77			00:52																			
ZZZZZZ			00:57																			
ZZZZZZ			01:03																			
ZZZZZZ			01:08																			
ZZZZZZ			01:13																			
ZZZZZZ			01:19																			
ZZZZZZ			01:24																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Instrument ID: ICPMS1 Method: 6020A

Start Date: 08/30/2015 18:01 End Date: 08/31/2015 05:00

Lab Sample ID	D / F	T y p e	Time	Analytes																			
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e	T l
ZZZZZZ			01:30																				
ZZZZZZ			01:35																				
ZZZZZZ			01:40																				
ZZZZZZ			01:46																				
CCV 460-319928/88			01:51																				
CCB 460-319928/89			01:57																				
CCVL 460-319928/123			02:02																				
ZZZZZZ			02:07																				
ZZZZZZ			02:13																				
ZZZZZZ			02:18																				
ZZZZZZ			02:23																				
ZZZZZZ			02:29																				
ZZZZZZ			02:34																				
ZZZZZZ			02:40																				
ZZZZZZ			02:45																				
ZZZZZZ			02:50																				
ZZZZZZ			02:56																				
CCV 460-319928/111			03:01																				
CCB 460-319928/112			03:07																				
CCVL 460-319928/113			03:12																				
ZZZZZZ			03:17																				
ZZZZZZ			03:23																				
ZZZZZZ			03:28																				
ZZZZZZ			03:34																				
ZZZZZZ			03:39																				
ZZZZZZ			03:44																				
ZZZZZZ			03:50																				
ZZZZZZ			03:55																				
ZZZZZZ			04:00																				
CCV 460-319928/90			04:06																				
CCB 460-319928/91			04:11																				
CCVL 460-319928/92			04:17																				
ZZZZZZ			04:22																				
ZZZZZZ			04:27																				
ZZZZZZ			04:33																				
ZZZZZZ			04:38																				
ZZZZZZ			04:43																				
CCV 460-319928/98			04:49																				
CCB 460-319928/99			04:54																				
CCVL 460-319928/100			05:00																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Instrument ID: ICPMS1 Method: 6020A

Start Date: 08/30/2015 18:01 End Date: 08/31/2015 05:00

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
CALIBSTD 460-319928/1 IC	1		18:01	X	X																
IC 460-319928/2	1		18:06	X	X																
IC 460-319928/3	1		18:12	X	X																
IC 460-319928/4	1		18:17	X	X																
IC 460-319928/5	1		18:22	X	X																
ICV 460-319928/6	1		18:28	X	X																
ICB 460-319928/7	1		18:33	X	X																
ICVL 460-319928/8	1		18:39	X	X																
ICSA 460-319928/9	1		18:44	X	X																
ICSAB 460-319928/10	1		18:49	X	X																
ZZZZZZ			18:55																		
ZZZZZZ			19:00																		
CCV 460-319928/13	1		19:05	X	X																
CCB 460-319928/14	1		19:11	X	X																
CCVL 460-319928/15	1		19:16	X	X																
MB 460-319427/1-A ^20	20	T	19:22	X	X																
LCSSRM 460-319427/2-A ^100	100	T	19:27	X	X																
460-99997-12 PDS	20	T	19:32	X	X																
460-99997-12 MS	20	T	19:40	X	X																
460-99997-12 DU	20	T	19:46	X	X																
460-99997-12	20	T	19:51	X	X																
460-99997-12 SD	100	T	19:56	X	X																
460-99997-1	20	T	20:02	X	X																
460-99997-2	20	T	20:07	X	X																
CCV 460-319928/25	1		20:13	X	X																
CCB 460-319928/26	1		20:18	X	X																
CCVL 460-319928/27	1		20:23	X	X																
460-99997-3	20	T	20:29	X	X																
460-99997-4	20	T	20:34	X	X																
460-99997-5	20	T	20:39	X	X																
460-99997-6	20	T	20:45	X	X																
460-99997-7	20	T	20:50	X	X																
460-99997-8	20	T	20:56	X	X																
460-99997-9	20	T	21:01	X	X																
460-99997-10	20	T	21:06	X	X																
460-99997-11	20	T	21:12	X	X																
CCV 460-319928/37	1		21:17	X	X																
CCB 460-319928/38	1		21:22	X	X																
CCVL 460-319928/39	1		21:28	X	X																
ZZZZZZ			21:33																		
460-99997-13	20	T	21:38	X	X																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Instrument ID: ICPMS1 Method: 6020A

Start Date: 08/30/2015 18:01 End Date: 08/31/2015 05:00

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
460-99997-14	20	T	21:44	X	X																
460-99997-15	20	T	21:49	X	X																
460-99997-16	20	T	21:55	X	X																
460-99997-17	20	T	22:00	X	X																
460-99997-18	20	T	22:05	X	X																
460-99997-19	20	T	22:11	X	X																
460-99997-20	20	T	22:16	X	X																
CCV 460-319928/49	1		22:21	X	X																
CCB 460-319928/50	1		22:27	X	X																
CCVL 460-319928/51	1		22:32	X	X																
MB 460-319429/1-A ^20	20	T	22:37	X	X																
LCSSRM 460-319429/2-A	100	T	22:43	X	X																
460-99997-21 PDS	20	T	22:48	X	X																
460-99997-21 MS	20	T	22:54	X	X																
460-99997-21 DU	20	T	22:59	X	X																
460-99997-21	20	T	23:04	X	X																
460-99997-21 SD	100	T	23:10	X	X																
460-99997-22	20	T	23:15	X	X																
ZZZZZZ			23:20																		
ZZZZZZ			23:26																		
CCV 460-319928/62	1		23:31	X	X																
CCB 460-319928/63	1		23:36	X	X																
CCVL 460-319928/64	1		23:42	X	X																
ZZZZZZ			23:47																		
ZZZZZZ			23:53																		
ZZZZZZ			23:58																		
ZZZZZZ			00:03																		
ZZZZZZ			00:09																		
ZZZZZZ			00:14																		
ZZZZZZ			00:19																		
ZZZZZZ			00:25																		
ZZZZZZ			00:30																		
ZZZZZZ			00:36																		
CCV 460-319928/75			00:41																		
CCB 460-319928/76			00:46																		
CCVL 460-319928/77			00:52																		
ZZZZZZ			00:57																		
ZZZZZZ			01:03																		
ZZZZZZ			01:08																		
ZZZZZZ			01:13																		
ZZZZZZ			01:19																		
ZZZZZZ			01:24																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Instrument ID: ICPMS1 Method: 6020A

Start Date: 08/30/2015 18:01 End Date: 08/31/2015 05:00

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			01:30																		
ZZZZZZ			01:35																		
ZZZZZZ			01:40																		
ZZZZZZ			01:46																		
CCV 460-319928/88			01:51																		
CCB 460-319928/89			01:57																		
CCVL 460-319928/123			02:02																		
ZZZZZZ			02:07																		
ZZZZZZ			02:13																		
ZZZZZZ			02:18																		
ZZZZZZ			02:23																		
ZZZZZZ			02:29																		
ZZZZZZ			02:34																		
ZZZZZZ			02:40																		
ZZZZZZ			02:45																		
ZZZZZZ			02:50																		
ZZZZZZ			02:56																		
CCV 460-319928/111			03:01																		
CCB 460-319928/112			03:07																		
CCVL 460-319928/113			03:12																		
ZZZZZZ			03:17																		
ZZZZZZ			03:23																		
ZZZZZZ			03:28																		
ZZZZZZ			03:34																		
ZZZZZZ			03:39																		
ZZZZZZ			03:44																		
ZZZZZZ			03:50																		
ZZZZZZ			03:55																		
ZZZZZZ			04:00																		
CCV 460-319928/90			04:06																		
CCB 460-319928/91			04:11																		
CCVL 460-319928/92			04:17																		
ZZZZZZ			04:22																		
ZZZZZZ			04:27																		
ZZZZZZ			04:33																		
ZZZZZZ			04:38																		
ZZZZZZ			04:43																		
CCV 460-319928/98			04:49																		
CCB 460-319928/99			04:54																		
CCVL 460-319928/100			05:00																		

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Instrument ID: ICPMS1 Method: 6020A

Start Date: 08/30/2015 18:01 End Date: 08/31/2015 05:00

Prep Types

T = Total/NA

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Instrument ID: ICPMS1 Method: 6020A

Start Date: 08/31/2015 13:14 End Date: 08/31/2015 15:23

Lab Sample ID	D / F	T y p e	Time	Analytes															
CALIBSTD 460-319998/1	1		13:14																
IC																			
IC 460-319998/2	1		13:19																
IC 460-319998/3	1		13:24																
IC 460-319998/4	1		13:30																
IC 460-319998/5	1		13:35																
ICV 460-319998/6	1		13:40																
ICB 460-319998/7	1		13:46																
ICVL 460-319998/8	1		13:51																
ICSA 460-319998/9	1		13:57																
ICSAB 460-319998/10	1		14:02																
ZZZZZZ			14:07																
ZZZZZZ			14:13																
ZZZZZZ			14:18																
ZZZZZZ			14:24																
CCV 460-319998/15	1		14:29																
CCB 460-319998/16	1		14:34																
CCVL 460-319998/17	1		14:40																
ZZZZZZ			14:45																
ZZZZZZ			14:50																
ZZZZZZ			14:56																
ZZZZZZ			15:01																
ZZZZZZ			15:07																
CCV 460-319998/23	1		15:12																
CCB 460-319998/24	1		15:17																
CCVL 460-319998/25	1		15:23																

Prep Types

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Instrument ID: LEEMAN5 Method: 7471B

Start Date: 08/29/2015 12:17 End Date: 08/29/2015 16:06

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
ICV 460-319713/8	1		12:31	X																	
ICB 460-319713/9	1		12:33	X																	
MB 460-319643/1-A	1	T	12:35	X																	
LCSSRM 460-319643/2-A ^20	20	T	12:37	X																	
460-99997-12	1	T	12:39	X																	
460-99997-12 DU	1	T	12:41	X																	
460-99997-12 MS	1	T	12:43	X																	
460-99997-12 SD	5	T	12:45	X																	
CCV 460-319713/19	1		12:53	X																	
CCB 460-319713/20	1		12:56	X																	
460-99997-1	1	T	13:01	X																	
460-99997-2	1	T	13:04	X																	
460-99997-3	1	T	13:06	X																	
460-99997-4	1	T	13:08	X																	
460-99997-5	1	T	13:10	X																	
460-99997-6	1	T	13:11	X																	
460-99997-7	1	T	13:14	X																	
460-99997-8	1	T	13:16	X																	
CCV 460-319713/30	1		13:19	X																	
CCB 460-319713/31	1		13:21	X																	
460-99997-9	1	T	13:23	X																	
460-99997-10	1	T	13:25	X																	
460-99997-11	1	T	13:28	X																	
460-99997-13	1	T	13:30	X																	
460-99997-14	1	T	13:34	X																	
460-99997-15	1	T	13:36	X																	
460-99997-16	1	T	13:39	X																	
CCV 460-319713/39	1		13:41	X																	
CCB 460-319713/40	1		13:43	X																	
MB 460-319651/1-A	1	T	13:44	X																	
LCSSRM 460-319651/2-A ^20	20	T	13:46	X																	
460-100149-D-12-H DU	1	T	13:51	X																	
460-100149-D-12-I MS	1	T	13:52	X																	
460-100149-D-12-G SD ^5	5	T	13:54	X																	
460-99997-17	1	T	13:57	X																	
460-99997-18	1	T	14:00	X																	
CCV 460-319713/49	1		14:02	X																	
CCB 460-319713/50	1		14:04	X																	
460-99997-19	1	T	14:05	X																	
460-99997-20	1	T	14:07	X																	

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Instrument ID: LEEMAN5 Method: 7471B

Start Date: 08/29/2015 12:17 End Date: 08/29/2015 16:06

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
460-99997-21	1	T	14:10	X																	
460-99997-22	1	T	14:12	X																	
CCV 460-319713/59	1		14:22	X																	
CCB 460-319713/60	1		14:25	X																	

Prep Types

T = Total/NA

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

SDG No.: _____

ICP-MS Instrument ID: ICPMS1

Start Date: 08/30/2015 End Date: 08/30/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Ge/1	Q	Element Ge/2	Q	Element In	Q
CALIBSTD 460-319928	18:01	100		100		100		100		100	
IC 460-319928/2	18:06	99		103		101		100		100	
IC 460-319928/3	18:12	100		98		100		99		98	
IC 460-319928/4	18:17	98		96		100		98		96	
IC 460-319928/5	18:22	96		96		99		97		94	
ICV 460-319928/6	18:28	99		99		102		99		97	
ICB 460-319928/7	18:33	101		101		101		101		101	
ICVL 460-319928/8	18:39	99		101		101		101		100	
ICSA 460-319928/9	18:44	86		91		94		90		88	
ICSAB 460-319928/10	18:49	84		89		92		88		86	
CCV 460-319928/13	19:05	95		95		99		97		94	
CCB 460-319928/14	19:11	97		98		98		99		98	
CCVL 460-319928/15	19:16	96		97		103		98		97	
MB 460-319427/1-A ^	19:22	97		96		98		98		98	
LCSSRM 460-319427/2	19:27	95		97		100		97		96	
460-99997-12 PDS	19:32	91		93		97		95		92	
460-99997-12 MS	19:40	91		94		97		93		92	
460-99997-12 DU	19:46	90		92		97		94		92	
460-99997-12	19:51	90		92		97		93		91	
460-99997-12 SD	19:56	95		94		97		96		95	
460-99997-1	20:02	91		93		98		94		92	
460-99997-2	20:07	91		93		96		92		90	
CCV 460-319928/25	20:13	93		92		94		93		91	
CCB 460-319928/26	20:18	95		94		97		95		96	
CCVL 460-319928/27	20:23	95		94		97		96		96	
460-99997-3	20:29	91		91		95		92		91	
460-99997-4	20:34	90		91		95		92		90	
460-99997-5	20:39	89		90		94		92		90	
460-99997-6	20:45	88		91		95		91		90	
460-99997-7	20:50	88		91		95		90		88	
460-99997-8	20:56	89		90		92		89		88	
460-99997-9	21:01	89		93		94		92		92	
460-99997-10	21:06	89		90		94		90		88	
460-99997-11	21:12	86		89		94		90		89	
CCV 460-319928/37	21:17	91		90		93		91		90	
CCB 460-319928/38	21:22	93		93		95		94		95	
CCVL 460-319928/39	21:28	94		97		95		95		95	
460-99997-13	21:38	88		90		94		91		89	
460-99997-14	21:44	87		89		93		88		87	
460-99997-15	21:49	85		87		90		87		84	
460-99997-16	21:55	85		85		92		87		86	
460-99997-17	22:00	85		88		93		90		89	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

ICP-MS Instrument ID: ICPMS1 Start Date: 08/30/2015 End Date: 08/30/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Ge/1	Q	Element Ge/2	Q	Element In	Q
460-99997-18	22:05	85		87		92		89		87	
460-99997-19	22:11	85		87		92		88		87	
460-99997-20	22:16	85		88		92		88		86	
CCV 460-319928/49	22:21	89		89		92		90		88	
CCB 460-319928/50	22:27	91		91		94		93		93	
CCVL 460-319928/51	22:32	91		91		94		92		92	
MB 460-319429/1-A ^	22:37	92		92		93		93		93	
LCSSRM 460-319429/2	22:43	91		91		94		93		90	
460-99997-21 PDS	22:48	86		90		92		88		85	
460-99997-21 MS	22:54	85		88		89		85		83	
460-99997-21 DU	22:59	83		85		87		84		83	
460-99997-21	23:04	82		85		86		84		82	
460-99997-21 SD	23:10	84		84		87		85		84	
460-99997-22	23:15	80		82		84		83		82	
CCV 460-319928/62	23:31	80		81		85		83		82	
CCB 460-319928/63	23:36	82		82		85		84		86	
CCVL 460-319928/64	23:42	82		82		84		84		85	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Edison

Job No.: 460-99997-1

SDG No.: _____

ICP-MS Instrument ID: ICPMS1

Start Date: 08/30/2015 End Date: 08/30/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Tb	Q	Element Bi	Q	Element	Q	Element	Q	Element	Q
CALIBSTD 460-319928	18:01	100		100							
IC 460-319928/2	18:06	100		101							
IC 460-319928/3	18:12	101		99							
IC 460-319928/4	18:17	100		95							
IC 460-319928/5	18:22	99		94							
ICV 460-319928/6	18:28	100		97							
ICB 460-319928/7	18:33	101		99							
ICVL 460-319928/8	18:39	100		99							
ICSA 460-319928/9	18:44	92		81							
ICSAB 460-319928/10	18:49	90		79							
CCV 460-319928/13	19:05	98		93							
CCB 460-319928/14	19:11	99		96							
CCVL 460-319928/15	19:16	99		96							
MB 460-319427/1-A ^	19:22	98		96							
LCSSRM 460-319427/2	19:27	100		95							
460-99997-12 PDS	19:32	98		90							
460-99997-12 MS	19:40	98		90							
460-99997-12 DU	19:46	96		90							
460-99997-12	19:51	96		89							
460-99997-12 SD	19:56	97		93							
460-99997-1	20:02	98		92							
460-99997-2	20:07	97		90							
CCV 460-319928/25	20:13	95		91							
CCB 460-319928/26	20:18	96		94							
CCVL 460-319928/27	20:23	97		95							
460-99997-3	20:29	95		90							
460-99997-4	20:34	95		89							
460-99997-5	20:39	95		87							
460-99997-6	20:45	95		90							
460-99997-7	20:50	95		89							
460-99997-8	20:56	94		87							
460-99997-9	21:01	96		89							
460-99997-10	21:06	94		88							
460-99997-11	21:12	93		87							
CCV 460-319928/37	21:17	93		88							
CCB 460-319928/38	21:22	94		92							
CCVL 460-319928/39	21:28	96		94							
460-99997-13	21:38	95		90							
460-99997-14	21:44	93		87							
460-99997-15	21:49	91		85							
460-99997-16	21:55	92		86							
460-99997-17	22:00	93		87							

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

ICP-MS Instrument ID: ICPMS1 Start Date: 08/30/2015 End Date: 08/30/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Tb	Q	Element Bi	Q	Element	Q	Element	Q	Element	Q
460-99997-18	22:05	92		85							
460-99997-19	22:11	91		86							
460-99997-20	22:16	92		86							
CCV 460-319928/49	22:21	91		87							
CCB 460-319928/50	22:27	93		91							
CCVL 460-319928/51	22:32	94		90							
MB 460-319429/1-A ^	22:37	93		91							
LCSSRM 460-319429/2	22:43	94		90							
460-99997-21 PDS	22:48	91		85							
460-99997-21 MS	22:54	89		83							
460-99997-21 DU	22:59	89		82							
460-99997-21	23:04	88		82							
460-99997-21 SD	23:10	87		83							
460-99997-22	23:15	87		80							
CCV 460-319928/62	23:31	85		80							
CCB 460-319928/63	23:36	86		83							
CCVL 460-319928/64	23:42	85		84							

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

ICP-MS Instrument ID: ICPMS1 Start Date: 08/31/2015 End Date: 08/31/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Ge/1	Q	Element Ge/2	Q	Element In	Q
CALIBSTD 460-319998	13:14	100		100		100		100		100	
IC 460-319998/2	13:19	99		99		100		99		99	
IC 460-319998/3	13:24	99		100		100		99		98	
IC 460-319998/4	13:30	99		98		98		98		95	
IC 460-319998/5	13:35	97		97		98		96		93	
ICV 460-319998/6	13:40	99		98		99		98		96	
ICB 460-319998/7	13:46	101		100		99		100		100	
ICVL 460-319998/8	13:51	101		100		99		99		99	
ICSA 460-319998/9	13:57	89		90		90		89		86	
ICSAB 460-319998/10	14:02	83		84		86		82		80	
CCV 460-319998/15	14:29	94		94		93		93		91	
CCB 460-319998/16	14:34	97		96		94		95		96	
CCVL 460-319998/17	14:40	96		97		94		96		95	
460-99997-12 PDS	15:07	92		95		96		93		90	
CCV 460-319998/23	15:12	97		97		95		95		93	
CCB 460-319998/24	15:17	99		99		97		98		97	
CCVL 460-319998/25	15:23	99		98		97		97		96	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

ICP-MS Instrument ID: ICPMS1 Start Date: 08/31/2015 End Date: 08/31/2015

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Tb	Q	Element Bi	Q	Element	Q	Element	Q	Element	Q
CALIBSTD 460-319998	13:14	100		100							
IC 460-319998/2	13:19	100		101							
IC 460-319998/3	13:24	99		98							
IC 460-319998/4	13:30	98		96							
IC 460-319998/5	13:35	97		93							
ICV 460-319998/6	13:40	97		95							
ICB 460-319998/7	13:46	99		99							
ICVL 460-319998/8	13:51	99		99							
ICSA 460-319998/9	13:57	89		80							
ICSAB 460-319998/10	14:02	83		74							
CCV 460-319998/15	14:29	94		90							
CCB 460-319998/16	14:34	94		93							
CCVL 460-319998/17	14:40	95		93							
460-99997-12 PDS	15:07	93		87							
CCV 460-319998/23	15:12	94		91							
CCB 460-319998/24	15:17	96		95							
CCVL 460-319998/25	15:23	96		94							

METALS BATCH WORKSHEET

Lab Name: TestAmerica EdisonJob No.: 460-99997-1

SDG No.: _____

Batch Number: 319427Batch Start Date: 08/28/15 07:29Batch Analyst: Chen, MandiBatch Method: 3050BBatch End Date: 08/28/15 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	ME_ipmsSPK 00024	ME_LCSS_87 00003	
MB 460-319427/1		3050B, 6020A		CALC NOT SET TO RUN	1.00 g	50 mL			
LCSSRM 460-319427/2		3050B, 6020A		CALC NOT SET TO RUN	1.04 g	50 mL		1.04 g	
460-99997-E-12	ES-12	3050B, 6020A	T	CALC NOT SET TO RUN	1.03 g	50 mL			
460-99997-E-12 DU	ES-12	3050B, 6020A	T	CALC NOT SET TO RUN	1.08 g	50 mL			
460-99997-E-12 MS	ES-12	3050B, 6020A	T	CALC NOT SET TO RUN	1.03 g	50 mL	1 mL		
460-99997-E-1	ES-1	3050B, 6020A	T	CALC NOT SET TO RUN	1.14 g	50 mL			
460-99997-E-2	ES-2	3050B, 6020A	T	CALC NOT SET TO RUN	1.02 g	50 mL			
460-99997-E-3	ES-3	3050B, 6020A	T	CALC NOT SET TO RUN	1.05 g	50 mL			
460-99997-E-4	ES-4	3050B, 6020A	T	CALC NOT SET TO RUN	1.03 g	50 mL			
460-99997-E-5	ES-5	3050B, 6020A	T	CALC NOT SET TO RUN	1.01 g	50 mL			
460-99997-E-6	ES-6	3050B, 6020A	T	CALC NOT SET TO RUN	1.11 g	50 mL			
460-99997-E-7	ES-7	3050B, 6020A	T	CALC NOT SET TO RUN	1.12 g	50 mL			
460-99997-E-8	ES-8	3050B, 6020A	T	CALC NOT SET TO RUN	1.04 g	50 mL			
460-99997-E-9	ES-9	3050B, 6020A	T	CALC NOT SET TO RUN	1.06 g	50 mL			
460-99997-E-10	ES-10	3050B, 6020A	T	CALC NOT SET TO RUN	1.02 g	50 mL			
460-99997-E-11	ES-11	3050B, 6020A	T	CALC NOT SET TO RUN	1.03 g	50 mL			
460-99997-E-13	ES-13	3050B, 6020A	T	CALC NOT SET TO RUN	1.19 g	50 mL			
460-99997-E-14	ES-14	3050B, 6020A	T	CALC NOT SET TO RUN	1.18 g	50 mL			
460-99997-E-15	ES-15	3050B, 6020A	T	CALC NOT SET TO RUN	1.05 g	50 mL			
460-99997-E-16	ES-16	3050B, 6020A	T	CALC NOT SET TO RUN	1.12 g	50 mL			
460-99997-E-17	ES-17	3050B, 6020A	T	CALC NOT SET TO RUN	1.08 g	50 mL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Batch Number: 319427 Batch Start Date: 08/28/15 07:29 Batch Analyst: Chen, MandiBatch Method: 3050B Batch End Date: 08/28/15 14:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	ME_ipmsSPK 00024	ME_LCSS_87 00003	
460-99997-E-18	ES-18	3050B, 6020A	T	CALC NOT SET TO RUN	1.06 g	50 mL			
460-99997-E-19	ES-19	3050B, 6020A	T	CALC NOT SET TO RUN	1.02 g	50 mL			
460-99997-E-20	ES-20	3050B, 6020A	T	CALC NOT SET TO RUN	1.19 g	50 mL			

Batch Notes	
Balance ID	#35
Hydrogen peroxide lot number	0000103302
Lot # of hydrochloric acid	0000086340
Logbook ID for diluted Nitric	MPR278
Lot # of Nitric Acid	0000111528
Hot Block ID number	#9
Oven, Bath or Block Temperature 1	95c Degrees C
Pipette ID	#42
ID number of the thermometer	ICP-4 (CF -1)
Digestion Tube/Cup Lot #	J217523-264 (50 ml Dg Tube)
Uncorrected Temperature	96c Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Batch Number: 319429 Batch Start Date: 08/28/15 07:41 Batch Analyst: Chen, MandiBatch Method: 3050B Batch End Date: 08/28/15 15:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	ME_ipmsSPK 00024	ME_LCSS_87 00003	
MB 460-319429/1		3050B, 6020A		CALC NOT SET TO RUN	1.00 g	50 mL			
LCSSRM 460-319429/2		3050B, 6020A		CALC NOT SET TO RUN	1.01 g	50 mL		1.01 g	
460-99997-E-21	ES-21	3050B, 6020A	T	CALC NOT SET TO RUN	1.09 g	50 mL			
460-99997-E-21 DU	ES-21	3050B, 6020A	T	CALC NOT SET TO RUN	1.07 g	50 mL			
460-99997-E-21 MS	ES-21	3050B, 6020A	T	CALC NOT SET TO RUN	1.08 g	50 mL	1 mL		
460-99997-E-22	ES-22	3050B, 6020A	T	CALC NOT SET TO RUN	1.07 g	50 mL			

Batch Notes	
Balance ID	#35
Hydrogen peroxide lot number	0000103302
Lot # of hydrochloric acid	0000086340
Logbook ID for diluted Nitric	MPR278
Lot # of Nitric Acid	0000111528
Hot Block ID number	#9
Oven, Bath or Block Temperature 1	95c Degrees C
Pipette ID	#42
ID number of the thermometer	ICP-4 (CF -1)
Digestion Tube/Cup Lot #	J217523-264 (50 ml Dg Tube)
Uncorrected Temperature	96c Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Batch Number: 319643 Batch Start Date: 08/29/15 09:30 Batch Analyst: Sheikh, Razia BBatch Method: 7471B Batch End Date: 08/29/15 13:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 02262	ME_LCSS_87 00003		
MB 460-319643/1		7471B, 7471B		0.60 g	50 mL				
LCSSRM 460-319643/2		7471B, 7471B		0.60 g	50 mL		0.6 g		
460-99997-E-12	ES-12	7471B, 7471B	T	0.60 g	50 mL				
460-99997-E-12 DU	ES-12	7471B, 7471B	T	0.60 g	50 mL				
460-99997-E-12 MS	ES-12	7471B, 7471B	T	0.60 g	50 mL	0.5 mL			
460-99997-E-1	ES-1	7471B, 7471B	T	0.63 g	50 mL				
460-99997-E-2	ES-2	7471B, 7471B	T	0.64 g	50 mL				
460-99997-E-3	ES-3	7471B, 7471B	T	0.61 g	50 mL				
460-99997-E-4	ES-4	7471B, 7471B	T	0.62 g	50 mL				
460-99997-E-5	ES-5	7471B, 7471B	T	0.63 g	50 mL				
460-99997-E-6	ES-6	7471B, 7471B	T	0.62 g	50 mL				
460-99997-E-7	ES-7	7471B, 7471B	T	0.62 g	50 mL				
460-99997-E-8	ES-8	7471B, 7471B	T	0.65 g	50 mL				
460-99997-E-9	ES-9	7471B, 7471B	T	0.66 g	50 mL				
460-99997-E-10	ES-10	7471B, 7471B	T	0.68 g	50 mL				
460-99997-E-11	ES-11	7471B, 7471B	T	0.63 g	50 mL				
460-99997-E-13	ES-13	7471B, 7471B	T	0.65 g	50 mL				
460-99997-E-14	ES-14	7471B, 7471B	T	0.60 g	50 mL				
460-99997-E-15	ES-15	7471B, 7471B	T	0.64 g	50 mL				
460-99997-E-16	ES-16	7471B, 7471B	T	0.65 g	50 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

7471B

Page 1 of 2

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Batch Number: 319643 Batch Start Date: 08/29/15 09:30 Batch Analyst: Sheikh, Razia BBatch Method: 7471B Batch End Date: 08/29/15 13:30

Batch Notes	
Hydroxylamine Hydrochloride Lot	hgr02392
Balance ID	33
Lot # of hydrochloric acid	hgr02387
Lot # of Nitric Acid	0000084177
Hot Block ID number	3
Potassium Permanganate Lot Number	hgr02391
NaCl Lot #	hgr02392
Pipette ID	3,,44,48
Stannous Chloride Lot Number	hgr02389
ID number of the thermometer	Prep -1(cf-2)
Digestion Tube/Cup Lot #	1501179-7a-5166-mb

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Batch Number: 319651 Batch Start Date: 08/29/15 09:30 Batch Analyst: Sheikh, Razia BBatch Method: 7471B Batch End Date: 08/29/15 13:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 02262	ME_LCSS_87 00003		
MB 460-319651/1		7471B, 7471B		0.60 g	50 mL				
LCSSRM 460-319651/2		7471B, 7471B		0.60 g	50 mL		0.6 g		
460-100149-D-12 DU		7471B, 7471B	T	0.60 g	50 mL				
460-100149-D-12 MS		7471B, 7471B	T	0.60 g	50 mL	0.5 mL			
460-99997-E-17	ES-17	7471B, 7471B	T	0.67 g	50 mL				
460-99997-E-18	ES-18	7471B, 7471B	T	0.63 g	50 mL				
460-99997-E-19	ES-19	7471B, 7471B	T	0.62 g	50 mL				
460-99997-E-20	ES-20	7471B, 7471B	T	0.68 g	50 mL				
460-99997-E-21	ES-21	7471B, 7471B	T	0.68 g	50 mL				
460-99997-E-22	ES-22	7471B, 7471B	T	0.60 g	50 mL				

Batch Notes	
Hydroxylamine Hydrochloride Lot	hgr02392
Balance ID	33
Lot # of hydrochloric acid	hgr02387
Lot # of Nitric Acid	0000084177
Hot Block ID number	3
Potassium Permanganate Lot Number	hgr02391
NaCl Lot #	hgr02392
Pipette ID	3,,44,48
Stannous Chloride Lot Number	hgr02389
ID number of the thermometer	Prep -1(cf-2)
Digestion Tube/Cup Lot #	1501179-7a-5166-mb

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

7471B

Page 1 of 1

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-99997-1
SDG No.: _____
Project: HW11-191/Princeton

Client Sample ID	Lab Sample ID
ES-1	460-99997-1
ES-2	460-99997-2
ES-3	460-99997-3
ES-4	460-99997-4
ES-5	460-99997-5
ES-6	460-99997-6
ES-7	460-99997-7
ES-8	460-99997-8
ES-9	460-99997-9
ES-10	460-99997-10
ES-11	460-99997-11
ES-12	460-99997-12
ES-13	460-99997-13
ES-14	460-99997-14
ES-15	460-99997-15
ES-16	460-99997-16
ES-17	460-99997-17
ES-18	460-99997-18
ES-19	460-99997-19
ES-20	460-99997-20
ES-21	460-99997-21
ES-22	460-99997-22

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-99997-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture RL Date: 02/15/2007 17:07

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		1	
Percent Solids		1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-99997-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture XRL Date: 01/01/2007 16:49

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		1	
Percent Solids		1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 08/22/2015 11:03 End Date: 08/22/2015 11:03

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				% S o l	M o i s t																
ZZZZZZ			11:03																		
ZZZZZZ			11:03																		
ZZZZZZ			11:03																		
ZZZZZZ			11:03																		
ZZZZZZ			11:03																		
ZZZZZZ			11:03																		
ZZZZZZ			11:03																		
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ZZZZZZ			11:03																		
ZZZZZZ			11:03																		
ZZZZZZ			11:03																		
ZZZZZZ			11:03																		
ZZZZZZ			11:03																		
460-99997-1	1	T	11:03	X	X																
460-99997-2	1	T	11:03	X	X																
460-99997-3	1	T	11:03	X	X																
460-99997-4	1	T	11:03	X	X																
460-99997-5	1	T	11:03	X	X																
460-99997-6	1	T	11:03	X	X																
460-99997-6 DU	1	T	11:03	X	X																

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 08/22/2015 11:22 End Date: 08/22/2015 11:22

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				% S o l	M o i s t																
ZZZZZZ			11:22																		
460-99997-7	1	T	11:22	X	X																
460-99997-8	1	T	11:22	X	X																
460-99997-9	1	T	11:22	X	X																
460-99997-10	1	T	11:22	X	X																
460-99997-11	1	T	11:22	X	X																
460-99997-12	1	T	11:22	X	X																
460-99997-13	1	T	11:22	X	X																
460-99997-14	1	T	11:22	X	X																
460-99997-15	1	T	11:22	X	X																
460-99997-16	1	T	11:22	X	X																
460-99997-17	1	T	11:22	X	X																
460-99997-18	1	T	11:22	X	X																
460-99997-19	1	T	11:22	X	X																
460-99997-20	1	T	11:22	X	X																
460-99997-21	1	T	11:22	X	X																
460-99997-22	1	T	11:22	X	X																
ZZZZZZ			11:22																		
ZZZZZZ			11:22																		
ZZZZZZ			11:22																		
460-100045-A-1 DU	1	T	11:22	X	X																

Prep Types
T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Batch Number: 318210 Batch Start Date: 08/22/15 11:03 Batch Analyst: Martinez, VictorBatch Method: Moisture Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
460-99997-E-1	ES-1	Moisture	T	36	0.99 g	6.08 g	5.08 g		
460-99997-E-2	ES-2	Moisture	T	37	0.96 g	8.26 g	7.58 g		
460-99997-E-3	ES-3	Moisture	T	38	0.97 g	8.48 g	7.62 g		
460-99997-E-4	ES-4	Moisture	T	39	0.98 g	6.36 g	5.40 g		
460-99997-E-5	ES-5	Moisture	T	40	1.02 g	6.78 g	5.57 g		
460-99997-E-6	ES-6	Moisture	T	41	0.99 g	7.64 g	6.60 g		
460-99997-E-6 DU	ES-6	Moisture	T	42	1.00 g	6.98 g	5.97 g		

Batch Notes	
Balance ID	104 No Unit
Date samples were placed in the oven	8/22/15
Oven Temp when samples are put in oven	105 Degrees C
Time samples were place in the oven	11:22
Date samples were removed from oven	8/24/15
Oven Temp when samples removed from oven	104 Degrees C
Time Samples were removed from oven	08:07
Oven ID	3
ID number of the thermometer	92010
Uncorrected In Temperature	105 Celsius
Uncorrected Out Temperature	104 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Moisture

Page 1 of 1

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Batch Number: 318213 Batch Start Date: 08/22/15 11:22 Batch Analyst: Martinez, VictorBatch Method: Moisture Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
460-99997-E-7	ES-7	Moisture	T	44	1.03 g	8.13 g	7.07 g		
460-99997-E-8	ES-8	Moisture	T	45	1.01 g	6.94 g	5.82 g		
460-99997-E-9	ES-9	Moisture	T	46	1.02 g	7.40 g	6.27 g		
460-99997-E-10	ES-10	Moisture	T	47	1.02 g	6.79 g	5.60 g		
460-99997-E-11	ES-11	Moisture	T	48	1.00 g	7.01 g	5.96 g		
460-99997-E-12	ES-12	Moisture	T	49	1.00 g	7.62 g	6.55 g		
460-99997-E-13	ES-13	Moisture	T	50	1.01 g	7.59 g	6.50 g		
460-99997-E-14	ES-14	Moisture	T	51	1.01 g	8.11 g	7.12 g		
460-99997-E-15	ES-15	Moisture	T	52	1.00 g	6.97 g	5.83 g		
460-99997-E-16	ES-16	Moisture	T	53	1.01 g	7.18 g	6.46 g		
460-99997-E-17	ES-17	Moisture	T	54	0.99 g	9.05 g	7.62 g		
460-99997-E-18	ES-18	Moisture	T	55	1.02 g	8.24 g	6.89 g		
460-99997-E-19	ES-19	Moisture	T	56	0.99 g	7.97 g	6.75 g		
460-99997-E-20	ES-20	Moisture	T	57	1.00 g	8.12 g	7.06 g		
460-99997-E-21	ES-21	Moisture	T	58	1.00 g	9.45 g	8.30 g		
460-99997-E-22	ES-22	Moisture	T	59	1.00 g	6.34 g	5.49 g		
460-100045-A-1 DU		Moisture	T	63	1.00 g	7.36 g	6.67 g		

Batch Notes	
Balance ID	104 No Unit
Date samples were placed in the oven	8/22/15
Oven Temp when samples are put in oven	105 Degrees C
Time samples were place in the oven	11:56
Date samples were removed from oven	8/24/15
Oven Temp when samples removed from oven	104 Degrees C
Time Samples were removed from oven	08:07
Oven ID	3
ID number of the thermometer	92010
Uncorrected In Temperature	105 Celsius
Uncorrected Out Temperature	104 Celsius

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Moisture

Page 1 of 2

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-99997-1

SDG No.: _____

Batch Number: 318213 Batch Start Date: 08/22/15 11:22 Batch Analyst: Martinez, VictorBatch Method: Moisture Batch End Date: _____

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Moisture

Page 2 of 2

Shipping and Receiving Documents

TestAmerica

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 1 of 3

Name (for report and invoice)		Samples Name (Printed)		Site/Project Identification	
Mader E. Peltor H.		Mader E.		Mader E. Peltor H.	
Company		P.O. #		State (Location of site): NJ: ☒ NY: ☐ Other: ☐	
Ecol Services, Inc.		Mell 11-191		Regulatory Program:	
Address		Analysis Turnaround Time		LAB USE ONLY	
45 The Woodland Dr		Standard ☐		Project No:	
City		Rush Chemos Authorized For:		Job No:	
Rochester		1 Week ☐		999977	
State		2 Week ☐		Sample Numbers	
NY		Other ☒ 3 days		1	
Phone		No. of		2	
732-366-6100		Matrix		3	
Fax		Cont.		4	
		PAH		5	
		PCB ₅		6	
				7	
				8	
				9	
				10	
Sample Identification		Date		Time	
ES-1		12/15		8:45 AM	
ES-2		12/15		9:01	
ES-3		12/15		9:12	
ES-4		12/15		9:32	
ES-5		12/15		9:52	
ES-6		12/15		10:10	
ES-7		12/15		10:35	
ES-8		12/15		10:58	
ES-9		12/15		11:23	
ES-10		12/15		11:35	
Preservation Used:		Soil:		Water:	
1 = ICE, 2 = HCl, 3 = H ₂ SO ₄ , 4 = HNO ₃ , 5 = NaOH					
6 = Other					
7 = Other					

Special Instructions: Confined to analyses on the subject

Water Metals Filtered (Yes/No)?

Relinquished by	Company	Date / Time	Received by	Company
Paul J. Miller	TR	12/15 10:10	Paul J. Miller	TR
Relinquished by	Company	Date / Time	Received by	Company
Paul J. Miller	TR	12/15 12:30	Paul J. Miller	TR
Relinquished by	Company	Date / Time	Received by	Company
Paul J. Miller	TR	12/15 12:30	Paul J. Miller	TR

SHORT
HOLD

460-99997 Chain of Custody

28, New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).

TAL-0016 (0408)

Massachusetts (M-NU312), North Carolina (No. 578)

Nb ES #5 1.5/3.5

TestAmerica

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 2 of 3

Name (for report and invoice)		Samplers Name (Printed)		Site/Project Identification	
Company		P.O. #		State (Location of site): NJ: ☒ NY: ☐ Other: ☐	
Address		Analysis Turnaround Time		Regulatory Program:	
City	State	Standard ☐	Rush Charges Authorized For:	LAB USE ONLY	
Phone	Fax	1 Week ☐	2 Week ☐	Project No:	
		Other ☒	3 Weeks	991977	
Sample Identification	Date	Time	Matrix	No. of Cont.	Sample Numbers
ES-11	8/21/15	11:58	Soil	5	11
ES-12		12:30			12
ES-13		12:31			13
ES-14		12:51			14
ES-15		13:20			15
ES-16		13:32			16
ES-17		13:53			17
ES-18		14:20			18
ES-19		14:34			19
ES-20		14:50			20
Preservation Used: 1 = ICE, 2 = HCl, 3 = H ₂ SO ₄ , 4 = HNO ₃ , 5 = NaOH 6 = Other _____, 7 = Other _____					
Special Instructions: <u>Contract analysis on samples</u>					
Relinquished by		Company	Date / Time	Received by	Company
Relinquished by		Company	Date / Time	Received by	Company
Relinquished by		Company	Date / Time	Received by	Company
Relinquished by		Company	Date / Time	Received by	Company
Relinquished by		Company	Date / Time	Received by	Company
Relinquished by		Company	Date / Time	Received by	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132), Massachusetts (M-NJ312), North Carolina (No. 578)

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 540-2000 Fax: (732) 540-0070

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 3 of 3

Special Instructions

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).
Massachusetts (M-NJ312), North Carolina (No. 578)

TL-0016 (0408)

99997

	INLET	CORRECTED TO:		NOMINAL	CORRECTED TO:		RATED	CORRECTED TO:
Cooler #1:	1.5 °C	3.5 °C						
Cooler #2:	°C	°C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #3:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
			Cooler #6:	°C	°C	Cooler #9:	°C	°C

	INLET	CORRECTED TO:		NOMINAL	CORRECTED TO:		RATED	CORRECTED TO:
Cooler #1:	1.5 °C	3.5 °C						
Cooler #2:	°C	°C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #3:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
			Cooler #6:	°C	°C	Cooler #9:	°C	°C

[illegible]

Date: 8/21/15

Login Sample Receipt Checklist

Client: EcoSciences, Inc.

Job Number: 460-99997-1

Login Number: 99997
List Number: 1
Creator: Meyers, Gary

List Source: TestAmerica Edison

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.5 ° C IR #5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.