

ANALYTICAL REPORT

Job Number: 460-100972-1

Job Description: HW11-191/Princeton

For:

EcolSciences, Inc.

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Suite 250

Rockaway, NJ 07866

Attention: Mr. Peter Hansen



Approved for release.
Laura B Snead
Senior Project Manager
9/18/2015 4:13 PM

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09/18/2015

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DATA KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name: TestAmerica Edison **Client:** EcolSciences, Inc.
Project Location: HW11-191/Princeton **Project Number:** 460-100972
Laboratory Sample ID (s): 460-100972: 1-14 **Sampling Date (s):** 9/11/15
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:** 460-100972
Laboratory Sample ID (s): 1 ~ 14 **Sampling Date (s):** 9/11/15
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? 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? b) Were these reporting limits met?	Yes ☒ Yes ☒	No ☐ 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:	460-100972-1
Laboratory Sample ID (s):	100972-	Sampling Date (s):	9/11/15
List DKQP Methods Used: 6010C, 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: 460-100972-1

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 9/11/2015 11:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4° C.

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 WC-1 (460-100972-1), WC-2 (460-100972-2), WC-3 (460-100972-3), WC-4 (460-100972-4), WC-5 (460-100972-5), WC-6 (460-100972-6), WC-7 (460-100972-7), WC-8 (460-100972-8), WC-9 (460-100972-9), WC-10 (460-100972-10), WC-11 (460-100972-11), WC-12 (460-100972-12), WC-13 (460-100972-13) and WC-14 (460-100972-14) were analyzed for Semivolatile Organic Compounds in accordance with EPA SW-846 Method 8270D_DKQP. The samples were prepared on 09/14/2015 and 09/15/2015 and analyzed on 09/15/2015 and 09/16/2015.

The continuing calibration verification (CCV) analyzed in batch 460-322397 was outside the method criteria for the following analyte(s): Indeno[1,2,3-cd]pyrene and Dibenz(a,h)anthracene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-322632 was outside the method criteria for the following analyte(s): Pyrene and Terphenyl-d14. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for five analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 460-322460 had one analyte (Acenaphthene) outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Acenaphthene failed the recovery criteria low for LCS 460-322460/3-A.

Several analytes failed the recovery criteria low for the MS/MSD of sample 460-100738-9 in batch 460-322563.

Several analytes failed the recovery criteria low for the MS/MSD of sample WC-12 (460-100972-12) in batch 460-322389.

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 samples contained an allowable number of surrogate compounds outside limits: WC-12 (460-100972-12), (460-100972-A-12-B MS) and (460-100972-A-12-C MS). These results have been reported and qualified.

Refer to the QC report for details.

Samples WC-3 (460-100972-3)[5X], WC-7 (460-100972-7)[5X], WC-9 (460-100972-9)[5X] and WC-10 (460-100972-10)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

All other quality control parameters were within the acceptance limits.

PCBS DKQP

Samples WC-1 (460-100972-1), WC-2 (460-100972-2), WC-3 (460-100972-3), WC-4 (460-100972-4), WC-5 (460-100972-5), WC-6 (460-100972-6), WC-7 (460-100972-7), WC-8 (460-100972-8), WC-9 (460-100972-9), WC-10 (460-100972-10), WC-11 (460-100972-11), WC-12 (460-100972-12), WC-13 (460-100972-13) and WC-14 (460-100972-14) were analyzed for PCBs in accordance with EPA SW-846 8082A DKQP. The samples were prepared and analyzed on 09/15/2015.

No difficulties were encountered during the PCBs DKQP analysis.

All quality control parameters were within the acceptance limits.

METALS DKQP

Samples WC-1 (460-100972-1), WC-2 (460-100972-2), WC-3 (460-100972-3), WC-4 (460-100972-4), WC-5 (460-100972-5), WC-6 (460-100972-6), WC-7 (460-100972-7), WC-8 (460-100972-8), WC-9 (460-100972-9), WC-10 (460-100972-10), WC-11 (460-100972-11), WC-12 (460-100972-12), WC-13 (460-100972-13) and WC-14 (460-100972-14) were analyzed for Metals DKQP in accordance with EPA SW-846 6010C DKQP. The samples were prepared on 09/11/2015 and 09/15/2015 and analyzed on 09/13/2015, 09/15/2015 and 09/16/2015.

Several analytes failed the recovery criteria low for the MS of sample WC-3MS (460-100972-3) in batch 460-322199.

Antimony, Iron, Manganese and Zinc failed the recovery criteria low for the MS of sample WC-9MS (460-100972-9) in batch 460-322700. Aluminum, Silver and Vanadium failed the recovery criteria high.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

Arsenic and Sodium exceeded the RPD limit for the duplicate of sample WC-3DU (460-100972-3).

Samples WC-1 (460-100972-1)[4X], WC-2 (460-100972-2)[4X], WC-3 (460-100972-3)[10X], WC-3 (460-100972-3)[4X], WC-4 (460-100972-4)[4X], WC-5 (460-100972-5)[4X], WC-6 (460-100972-6)[4X], WC-7 (460-100972-7)[10X], WC-7 (460-100972-7)[4X], WC-8 (460-100972-8)[4X], WC-9 (460-100972-9)[20X], WC-9 (460-100972-9)[4X], WC-10 (460-100972-10)[4X], WC-11 (460-100972-11)[4X], WC-12 (460-100972-12)[4X], WC-13 (460-100972-13)[4X] and WC-14 (460-100972-14)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the Metals DKQP analysis.

All other quality control parameters were within the acceptance limits.

MERCURY DKQP

Samples WC-1 (460-100972-1), WC-2 (460-100972-2), WC-3 (460-100972-3), WC-4 (460-100972-4), WC-5 (460-100972-5), WC-6 (460-100972-6), WC-7 (460-100972-7), WC-8 (460-100972-8), WC-9 (460-100972-9), WC-10 (460-100972-10), WC-11 (460-100972-11), WC-12 (460-100972-12), WC-13 (460-100972-13) and WC-14 (460-100972-14) were analyzed for Mercury DKQP in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 09/15/2015 and 09/16/2015.

No difficulties were encountered during the Mercury DKQP analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples WC-1 (460-100972-1), WC-2 (460-100972-2), WC-3 (460-100972-3), WC-4 (460-100972-4), WC-5 (460-100972-5), WC-6 (460-100972-6), WC-7 (460-100972-7), WC-8 (460-100972-8), WC-9 (460-100972-9), WC-10 (460-100972-10), WC-11 (460-100972-11), WC-12 (460-100972-12), WC-13 (460-100972-13) and WC-14 (460-100972-14) were analyzed for Percent Solids/Percent Moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 09/12/2015.

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: 460-100972-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-100972-1	WC-1	Solid	09/11/2015 0831	09/11/2015 1130
460-100972-2	WC-2	Solid	09/11/2015 0839	09/11/2015 1130
460-100972-3	WC-3	Solid	09/11/2015 0842	09/11/2015 1130
460-100972-4	WC-4	Solid	09/11/2015 0901	09/11/2015 1130
460-100972-5	WC-5	Solid	09/11/2015 0907	09/11/2015 1130
460-100972-6	WC-6	Solid	09/11/2015 0915	09/11/2015 1130
460-100972-7	WC-7	Solid	09/11/2015 0921	09/11/2015 1130
460-100972-8	WC-8	Solid	09/11/2015 0938	09/11/2015 1130
460-100972-9	WC-9	Solid	09/11/2015 0942	09/11/2015 1130
460-100972-10	WC-10	Solid	09/11/2015 1001	09/11/2015 1130
460-100972-11	WC-11	Solid	09/11/2015 1007	09/11/2015 1130
460-100972-12	WC-12	Solid	09/11/2015 1014	09/11/2015 1130
460-100972-13	WC-13	Solid	09/11/2015 1030	09/11/2015 1130
460-100972-14	WC-14	Solid	09/11/2015 1037	09/11/2015 1130

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-100972-1	WC-1					
Naphthalene		0.039	J	0.40	mg/Kg	8270D
2-Methylnaphthalene		0.035	J	0.40	mg/Kg	8270D
Acenaphthylene		0.042	J	0.40	mg/Kg	8270D
Acenaphthene		0.13	J	0.40	mg/Kg	8270D
Fluorene		0.16	J	0.40	mg/Kg	8270D
Phenanthrene		1.4		0.40	mg/Kg	8270D
Anthracene		0.40		0.40	mg/Kg	8270D
Fluoranthene		2.2		0.40	mg/Kg	8270D
Pyrene		1.3		0.40	mg/Kg	8270D
Benzo[a]anthracene		0.90		0.040	mg/Kg	8270D
Chrysene		1.1		0.40	mg/Kg	8270D
Benzo[b]fluoranthene		1.1		0.040	mg/Kg	8270D
Benzo[k]fluoranthene		0.40		0.040	mg/Kg	8270D
Benzo[a]pyrene		0.84		0.040	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		0.43		0.040	mg/Kg	8270D
Dibenz(a,h)anthracene		0.14		0.040	mg/Kg	8270D
Benzo[g,h,i]perylene		0.32	J	0.40	mg/Kg	8270D
Arsenic		9.9		3.6	mg/Kg	6010C
Barium		265		47.6	mg/Kg	6010C
Beryllium		1.5		0.48	mg/Kg	6010C
Cobalt		14.8		11.9	mg/Kg	6010C
Chromium		38.8		2.4	mg/Kg	6010C
Copper		32.8		5.9	mg/Kg	6010C
Manganese		850		3.6	mg/Kg	6010C
Nickel		30.5		9.5	mg/Kg	6010C
Lead		49.7		2.4	mg/Kg	6010C
Antimony		2.2	J	4.8	mg/Kg	6010C
Vanadium		47.4		11.9	mg/Kg	6010C
Zinc		109		7.1	mg/Kg	6010C
Aluminum		26500		47.6	mg/Kg	6010C
Sodium		817	J	1190	mg/Kg	6010C
Magnesium		7460		1190	mg/Kg	6010C
Potassium		4490		1190	mg/Kg	6010C
Calcium		11200		1190	mg/Kg	6010C
Iron		34000		35.7	mg/Kg	6010C
Mercury		0.086		0.019	mg/Kg	7471B
Percent Moisture		16.8		1.0	%	Moisture
Percent Solids		83.2		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-100972-2	WC-2					
Naphthalene		0.034	J	0.39	mg/Kg	8270D
2-Methylnaphthalene		0.026	J	0.39	mg/Kg	8270D
Acenaphthylene		0.058	J	0.39	mg/Kg	8270D
Acenaphthene		0.072	J	0.39	mg/Kg	8270D
Fluorene		0.064	J	0.39	mg/Kg	8270D
Phenanthrene		0.77		0.39	mg/Kg	8270D
Anthracene		0.25	J	0.39	mg/Kg	8270D
Fluoranthene		1.7		0.39	mg/Kg	8270D
Pyrene		1.1		0.39	mg/Kg	8270D
Benzo[a]anthracene		0.84		0.039	mg/Kg	8270D
Chrysene		0.93		0.39	mg/Kg	8270D
Benzo[b]fluoranthene		1.1		0.039	mg/Kg	8270D
Benzo[k]fluoranthene		0.40		0.039	mg/Kg	8270D
Benzo[a]pyrene		0.83		0.039	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		0.43		0.039	mg/Kg	8270D
Dibenz(a,h)anthracene		0.13		0.039	mg/Kg	8270D
Benzo[g,h,i]perylene		0.33	J	0.39	mg/Kg	8270D
Arsenic		10.2		3.5	mg/Kg	6010C
Barium		208		46.6	mg/Kg	6010C
Beryllium		1.2		0.47	mg/Kg	6010C
Cobalt		16.6		11.6	mg/Kg	6010C
Chromium		41.2		2.3	mg/Kg	6010C
Copper		46.8		5.8	mg/Kg	6010C
Manganese		831		3.5	mg/Kg	6010C
Nickel		30.4		9.3	mg/Kg	6010C
Lead		27.5		2.3	mg/Kg	6010C
Vanadium		58.7		11.6	mg/Kg	6010C
Zinc		99.1		7.0	mg/Kg	6010C
Aluminum		23100		46.6	mg/Kg	6010C
Sodium		802	J	1160	mg/Kg	6010C
Magnesium		9210		1160	mg/Kg	6010C
Potassium		4110		1160	mg/Kg	6010C
Calcium		20100		1160	mg/Kg	6010C
Iron		34300		34.9	mg/Kg	6010C
Mercury		0.076		0.018	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: 460-100972-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-100972-3	WC-3					
Naphthalene		0.17	J	2.0	mg/Kg	8270D
2-Methylnaphthalene		0.11	J	2.0	mg/Kg	8270D
Acenaphthylene		0.090	J	2.0	mg/Kg	8270D
Acenaphthene		1.6	J	2.0	mg/Kg	8270D
Fluorene		1.4	J	2.0	mg/Kg	8270D
Phenanthrene		30		2.0	mg/Kg	8270D
Anthracene		12		2.0	mg/Kg	8270D
Fluoranthene		33		2.0	mg/Kg	8270D
Pyrene		22		2.0	mg/Kg	8270D
Benzo[a]anthracene		10		0.20	mg/Kg	8270D
Chrysene		15		2.0	mg/Kg	8270D
Benzo[b]fluoranthene		8.3		0.20	mg/Kg	8270D
Benzo[k]fluoranthene		3.1		0.20	mg/Kg	8270D
Benzo[a]pyrene		6.0		0.20	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		6.5		0.20	mg/Kg	8270D
Dibenz(a,h)anthracene		1.5		0.20	mg/Kg	8270D
Benzo[g,h,i]perylene		5.4		2.0	mg/Kg	8270D
Arsenic		18.8		3.2	mg/Kg	6010C
Barium		166		42.5	mg/Kg	6010C
Beryllium		0.49		0.42	mg/Kg	6010C
Cobalt		8.6	J	10.6	mg/Kg	6010C
Chromium		56.6	F1	2.1	mg/Kg	6010C
Copper		34.8		5.9	mg/Kg	6010C
Manganese		587		3.2	mg/Kg	6010C
Nickel		24.8		8.5	mg/Kg	6010C
Lead		34.5		2.1	mg/Kg	6010C
Vanadium		35.3		10.6	mg/Kg	6010C
Zinc		173	F1	6.4	mg/Kg	6010C
Aluminum		18800		42.5	mg/Kg	6010C
Sodium		3570	F1	1060	mg/Kg	6010C
Magnesium		11000		1060	mg/Kg	6010C
Potassium		4100	F1	1060	mg/Kg	6010C
Calcium		78300		2650	mg/Kg	6010C
Iron		19400		31.8	mg/Kg	6010C
Mercury		0.18		0.020	mg/Kg	7471B
Percent Moisture		15.9		1.0	%	Moisture
Percent Solids		84.1		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-100972-4	WC-4					
Naphthalene		0.034	J	0.40	mg/Kg	8270D
2-Methylnaphthalene		0.016	J	0.40	mg/Kg	8270D
Acenaphthylene		0.024	J	0.40	mg/Kg	8270D
Acenaphthene		0.075	J	0.40	mg/Kg	8270D
Fluorene		0.050	J	0.40	mg/Kg	8270D
Phenanthrene		0.90		0.40	mg/Kg	8270D
Anthracene		0.24	J	0.40	mg/Kg	8270D
Fluoranthene		2.1		0.40	mg/Kg	8270D
Pyrene		1.1		0.40	mg/Kg	8270D
Benzo[a]anthracene		0.94		0.040	mg/Kg	8270D
Chrysene		1.1		0.40	mg/Kg	8270D
Benzo[b]fluoranthene		1.2		0.040	mg/Kg	8270D
Benzo[k]fluoranthene		0.50		0.040	mg/Kg	8270D
Benzo[a]pyrene		0.81		0.040	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		0.42		0.040	mg/Kg	8270D
Dibenz(a,h)anthracene		0.14		0.040	mg/Kg	8270D
Benzo[g,h,i]perylene		0.30	J	0.40	mg/Kg	8270D
Arsenic		9.9		3.6	mg/Kg	6010C
Barium		139		48.1	mg/Kg	6010C
Beryllium		1.0		0.48	mg/Kg	6010C
Cobalt		12.5		12.0	mg/Kg	6010C
Chromium		40.7		2.4	mg/Kg	6010C
Copper		37.1		6.0	mg/Kg	6010C
Manganese		438		3.6	mg/Kg	6010C
Nickel		22.3		9.6	mg/Kg	6010C
Lead		29.3		2.4	mg/Kg	6010C
Vanadium		52.8		12.0	mg/Kg	6010C
Zinc		87.1		7.2	mg/Kg	6010C
Aluminum		17200		48.1	mg/Kg	6010C
Sodium		557	J	1200	mg/Kg	6010C
Magnesium		6200		1200	mg/Kg	6010C
Potassium		3220		1200	mg/Kg	6010C
Calcium		21200		1200	mg/Kg	6010C
Iron		30800		36.1	mg/Kg	6010C
Mercury		0.15		0.018	mg/Kg	7471B
Percent Moisture		16.8		1.0	%	Moisture
Percent Solids		83.2		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-100972-5	WC-5					
Naphthalene		0.023	J	0.39	mg/Kg	8270D
2-Methylnaphthalene		0.019	J	0.39	mg/Kg	8270D
Acenaphthylene		0.036	J	0.39	mg/Kg	8270D
Acenaphthene		0.049	J	0.39	mg/Kg	8270D
Fluorene		0.039	J	0.39	mg/Kg	8270D
Phenanthrene		0.52		0.39	mg/Kg	8270D
Anthracene		0.14	J	0.39	mg/Kg	8270D
Fluoranthene		1.3		0.39	mg/Kg	8270D
Pyrene		0.78		0.39	mg/Kg	8270D
Benzo[a]anthracene		0.54		0.039	mg/Kg	8270D
Chrysene		0.67		0.39	mg/Kg	8270D
Benzo[b]fluoranthene		0.77		0.039	mg/Kg	8270D
Benzo[k]fluoranthene		0.25		0.039	mg/Kg	8270D
Benzo[a]pyrene		0.54		0.039	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		0.27		0.039	mg/Kg	8270D
Dibenz(a,h)anthracene		0.10		0.039	mg/Kg	8270D
Benzo[g,h,i]perylene		0.21	J	0.39	mg/Kg	8270D
Arsenic		10.1		3.5	mg/Kg	6010C
Barium		107		47.1	mg/Kg	6010C
Beryllium		1.1		0.47	mg/Kg	6010C
Cobalt		12.4		11.8	mg/Kg	6010C
Chromium		34.6		2.4	mg/Kg	6010C
Copper		45.5		5.9	mg/Kg	6010C
Manganese		519		3.5	mg/Kg	6010C
Nickel		22.9		9.4	mg/Kg	6010C
Lead		28.7		2.4	mg/Kg	6010C
Vanadium		51.7		11.8	mg/Kg	6010C
Zinc		87.9		7.1	mg/Kg	6010C
Aluminum		16400		47.1	mg/Kg	6010C
Sodium		644	J	1180	mg/Kg	6010C
Magnesium		7290		1180	mg/Kg	6010C
Potassium		3570		1180	mg/Kg	6010C
Calcium		18300		1180	mg/Kg	6010C
Iron		27900		35.3	mg/Kg	6010C
Mercury		0.15		0.018	mg/Kg	7471B
Percent Moisture		15.9		1.0	%	Moisture
Percent Solids		84.1		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-100972-6	WC-6					
Naphthalene		0.082	J	0.41	mg/Kg	8270D
2-Methylnaphthalene		0.035	J	0.41	mg/Kg	8270D
Acenaphthylene		0.020	J	0.41	mg/Kg	8270D
Acenaphthene		0.26	J	0.41	mg/Kg	8270D
Fluorene		0.19	J	0.41	mg/Kg	8270D
Phenanthrene		2.7		0.41	mg/Kg	8270D
Anthracene		0.72		0.41	mg/Kg	8270D
Fluoranthene		5.8		0.41	mg/Kg	8270D
Pyrene		3.6		0.41	mg/Kg	8270D
Benzo[a]anthracene		2.4		0.041	mg/Kg	8270D
Chrysene		2.6		0.41	mg/Kg	8270D
Benzo[b]fluoranthene		3.1		0.041	mg/Kg	8270D
Benzo[k]fluoranthene		1.1		0.041	mg/Kg	8270D
Benzo[a]pyrene		2.0		0.041	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		0.95		0.041	mg/Kg	8270D
Dibenz(a,h)anthracene		0.25		0.041	mg/Kg	8270D
Benzo[g,h,i]perylene		0.68		0.41	mg/Kg	8270D
Arsenic		10.9		3.7	mg/Kg	6010C
Barium		159		48.8	mg/Kg	6010C
Beryllium		1.2		0.49	mg/Kg	6010C
Cobalt		12.0	J	12.2	mg/Kg	6010C
Chromium		43.7		2.4	mg/Kg	6010C
Copper		667		6.1	mg/Kg	6010C
Manganese		533		3.7	mg/Kg	6010C
Nickel		27.5		9.8	mg/Kg	6010C
Lead		33.4		2.4	mg/Kg	6010C
Vanadium		50.3		12.2	mg/Kg	6010C
Zinc		155		7.3	mg/Kg	6010C
Aluminum		19200		48.8	mg/Kg	6010C
Sodium		1660		1220	mg/Kg	6010C
Magnesium		9410		1220	mg/Kg	6010C
Potassium		4310		1220	mg/Kg	6010C
Calcium		45300		1220	mg/Kg	6010C
Iron		28900		36.6	mg/Kg	6010C
Mercury		0.14		0.021	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: 460-100972-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-100972-7	WC-7					
Naphthalene		0.34	J	2.0	mg/Kg	8270D
2-Methylnaphthalene		0.17	J	2.0	mg/Kg	8270D
Acenaphthene		1.1	J	2.0	mg/Kg	8270D
Fluorene		0.67	J	2.0	mg/Kg	8270D
Phenanthrene		17		2.0	mg/Kg	8270D
Anthracene		2.8		2.0	mg/Kg	8270D
Fluoranthene		19		2.0	mg/Kg	8270D
Pyrene		12		2.0	mg/Kg	8270D
Benzo[a]anthracene		6.0		0.20	mg/Kg	8270D
Chrysene		6.6		2.0	mg/Kg	8270D
Benzo[b]fluoranthene		5.0		0.20	mg/Kg	8270D
Benzo[k]fluoranthene		1.9		0.20	mg/Kg	8270D
Benzo[a]pyrene		3.8		0.20	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		4.2		0.20	mg/Kg	8270D
Dibenz(a,h)anthracene		0.99		0.20	mg/Kg	8270D
Benzo[g,h,i]perylene		3.6		2.0	mg/Kg	8270D
Arsenic		7.9		3.6	mg/Kg	6010C
Barium		125		48.0	mg/Kg	6010C
Beryllium		1.0		0.48	mg/Kg	6010C
Cobalt		7.7	J	12.0	mg/Kg	6010C
Chromium		33.4		2.4	mg/Kg	6010C
Copper		55.9		6.0	mg/Kg	6010C
Manganese		406		3.6	mg/Kg	6010C
Nickel		23.2		9.6	mg/Kg	6010C
Lead		60.2		2.4	mg/Kg	6010C
Antimony		1.9	J	4.8	mg/Kg	6010C
Vanadium		30.4		12.0	mg/Kg	6010C
Zinc		428		7.2	mg/Kg	6010C
Aluminum		12100		48.0	mg/Kg	6010C
Sodium		874	J	1200	mg/Kg	6010C
Magnesium		11100		1200	mg/Kg	6010C
Potassium		2150		1200	mg/Kg	6010C
Calcium		111000		3000	mg/Kg	6010C
Iron		14600		36.0	mg/Kg	6010C
Mercury		0.21		0.019	mg/Kg	7471B
Percent Moisture		18.3		1.0	%	Moisture
Percent Solids		81.7		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-100972-8	WC-8					
Naphthalene		0.10	J	0.40	mg/Kg	8270D
2-Methylnaphthalene		0.050	J	0.40	mg/Kg	8270D
Acenaphthylene		0.028	J	0.40	mg/Kg	8270D
Acenaphthene		0.41		0.40	mg/Kg	8270D
Fluorene		0.30	J	0.40	mg/Kg	8270D
Phenanthrene		3.8		0.40	mg/Kg	8270D
Anthracene		1.1		0.40	mg/Kg	8270D
Fluoranthene		7.4		0.40	mg/Kg	8270D
Pyrene		3.6		0.40	mg/Kg	8270D
Benzo[a]anthracene		2.5		0.040	mg/Kg	8270D
Chrysene		2.7		0.40	mg/Kg	8270D
Benzo[b]fluoranthene		3.2		0.040	mg/Kg	8270D
Benzo[k]fluoranthene		1.2		0.040	mg/Kg	8270D
Benzo[a]pyrene		2.1		0.040	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		0.98		0.040	mg/Kg	8270D
Dibenz(a,h)anthracene		0.28		0.040	mg/Kg	8270D
Benzo[g,h,i]perylene		0.71		0.40	mg/Kg	8270D
Arsenic		7.4		3.6	mg/Kg	6010C
Barium		125		48.0	mg/Kg	6010C
Beryllium		0.79		0.48	mg/Kg	6010C
Cobalt		14.8		12.0	mg/Kg	6010C
Chromium		61.2		2.4	mg/Kg	6010C
Copper		55.4		6.0	mg/Kg	6010C
Manganese		466		3.6	mg/Kg	6010C
Nickel		53.0		9.6	mg/Kg	6010C
Lead		45.6		2.4	mg/Kg	6010C
Vanadium		46.2		12.0	mg/Kg	6010C
Zinc		163		7.2	mg/Kg	6010C
Aluminum		17800		48.0	mg/Kg	6010C
Sodium		1270		1200	mg/Kg	6010C
Magnesium		9520		1200	mg/Kg	6010C
Potassium		2700		1200	mg/Kg	6010C
Calcium		41200		1200	mg/Kg	6010C
Iron		29000		36.0	mg/Kg	6010C
Mercury		0.11		0.020	mg/Kg	7471B
Percent Moisture		18.4		1.0	%	Moisture
Percent Solids		81.6		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-100972-9	WC-9					
Naphthalene		0.31	J	2.0	mg/Kg	8270D
2-Methylnaphthalene		0.17	J	2.0	mg/Kg	8270D
Acenaphthene		1.1	J	2.0	mg/Kg	8270D
Fluorene		0.77	J	2.0	mg/Kg	8270D
Phenanthrene		12		2.0	mg/Kg	8270D
Anthracene		2.7		2.0	mg/Kg	8270D
Fluoranthene		13		2.0	mg/Kg	8270D
Pyrene		6.9		2.0	mg/Kg	8270D
Benzo[a]anthracene		4.0		0.20	mg/Kg	8270D
Chrysene		4.4		2.0	mg/Kg	8270D
Benzo[b]fluoranthene		4.1		0.20	mg/Kg	8270D
Benzo[k]fluoranthene		1.6		0.20	mg/Kg	8270D
Benzo[a]pyrene		3.0		0.20	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		1.9		0.20	mg/Kg	8270D
Dibenz(a,h)anthracene		0.58		0.20	mg/Kg	8270D
Benzo[g,h,i]perylene		1.6	J	2.0	mg/Kg	8270D
Arsenic		10.1		3.7	mg/Kg	6010C
Barium		116		49.1	mg/Kg	6010C
Beryllium		0.64		0.49	mg/Kg	6010C
Cobalt		6.5	J	12.3	mg/Kg	6010C
Chromium		43.0		2.5	mg/Kg	6010C
Copper		37.3		6.1	mg/Kg	6010C
Manganese		344		3.7	mg/Kg	6010C
Nickel		20.8		9.8	mg/Kg	6010C
Lead		42.4		2.5	mg/Kg	6010C
Antimony		7.7	F1	4.9	mg/Kg	6010C
Vanadium		35.1	F1	12.3	mg/Kg	6010C
Zinc		198	F1	7.4	mg/Kg	6010C
Aluminum		12800		49.1	mg/Kg	6010C
Sodium		1200	J	1230	mg/Kg	6010C
Magnesium		7650		1230	mg/Kg	6010C
Potassium		2120		1230	mg/Kg	6010C
Calcium		89000		6130	mg/Kg	6010C
Iron		16400		36.8	mg/Kg	6010C
Mercury		0.24		0.019	mg/Kg	7471B
Percent Moisture		18.5		1.0	%	Moisture
Percent Solids		81.5		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-100972-10	WC-10					
Naphthalene		0.10	J	0.78	mg/Kg	8270D
2-Methylnaphthalene		0.032	J	0.78	mg/Kg	8270D
Acenaphthylene		0.023	J	0.78	mg/Kg	8270D
Acenaphthene		0.27	J	0.78	mg/Kg	8270D
Fluorene		0.25	J	0.78	mg/Kg	8270D
Phenanthrene		3.2		0.78	mg/Kg	8270D
Anthracene		0.84		0.78	mg/Kg	8270D
Fluoranthene		5.9		0.78	mg/Kg	8270D
Pyrene		4.9		0.78	mg/Kg	8270D
Benzo[a]anthracene		2.7		0.078	mg/Kg	8270D
Chrysene		3.1		0.78	mg/Kg	8270D
Benzo[b]fluoranthene		2.8		0.078	mg/Kg	8270D
Benzo[k]fluoranthene		1.1		0.078	mg/Kg	8270D
Benzo[a]pyrene		2.2		0.078	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		1.6		0.078	mg/Kg	8270D
Dibenz(a,h)anthracene		0.43		0.078	mg/Kg	8270D
Benzo[g,h,i]perylene		1.3		0.78	mg/Kg	8270D
Arsenic		12.4		3.4	mg/Kg	6010C
Barium		147		45.8	mg/Kg	6010C
Beryllium		1.3		0.46	mg/Kg	6010C
Cadmium		0.70	J	0.92	mg/Kg	6010C
Cobalt		12.7		11.4	mg/Kg	6010C
Chromium		38.4		2.3	mg/Kg	6010C
Copper		43.1		5.7	mg/Kg	6010C
Manganese		663		3.4	mg/Kg	6010C
Nickel		24.6		9.2	mg/Kg	6010C
Lead		37.0		2.3	mg/Kg	6010C
Vanadium		61.2		11.4	mg/Kg	6010C
Zinc		114		6.9	mg/Kg	6010C
Aluminum		19500		45.8	mg/Kg	6010C
Sodium		924	J	1140	mg/Kg	6010C
Magnesium		9360		1140	mg/Kg	6010C
Potassium		3530		1140	mg/Kg	6010C
Calcium		36000		1140	mg/Kg	6010C
Iron		30000		34.3	mg/Kg	6010C
Mercury		0.27		0.020	mg/Kg	7471B
Percent Moisture		15.2		1.0	%	Moisture
Percent Solids		84.8		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-100972-11	WC-11					
Naphthalene		0.030	J	0.40	mg/Kg	8270D
2-Methylnaphthalene		0.016	J	0.40	mg/Kg	8270D
Acenaphthylene		0.022	J	0.40	mg/Kg	8270D
Acenaphthene		0.084	J	0.40	mg/Kg	8270D
Fluorene		0.060	J	0.40	mg/Kg	8270D
Phenanthrene		0.97		0.40	mg/Kg	8270D
Anthracene		0.26	J	0.40	mg/Kg	8270D
Fluoranthene		2.3		0.40	mg/Kg	8270D
Pyrene		1.3		0.40	mg/Kg	8270D
Benzo[a]anthracene		1.1		0.040	mg/Kg	8270D
Chrysene		1.1		0.40	mg/Kg	8270D
Benzo[b]fluoranthene		1.4		0.040	mg/Kg	8270D
Benzo[k]fluoranthene		0.58		0.040	mg/Kg	8270D
Benzo[a]pyrene		0.90		0.040	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		0.45		0.040	mg/Kg	8270D
Dibenz(a,h)anthracene		0.15		0.040	mg/Kg	8270D
Benzo[g,h,i]perylene		0.32	J	0.40	mg/Kg	8270D
Arsenic		11.5		3.5	mg/Kg	6010C
Barium		148		46.7	mg/Kg	6010C
Beryllium		1.1		0.47	mg/Kg	6010C
Cobalt		12.5		11.7	mg/Kg	6010C
Chromium		34.3		2.3	mg/Kg	6010C
Copper		37.9		5.8	mg/Kg	6010C
Manganese		693		3.5	mg/Kg	6010C
Nickel		23.1		9.3	mg/Kg	6010C
Lead		33.9		2.3	mg/Kg	6010C
Vanadium		59.0		11.7	mg/Kg	6010C
Zinc		115		7.0	mg/Kg	6010C
Aluminum		18200		46.7	mg/Kg	6010C
Sodium		667	J	1170	mg/Kg	6010C
Magnesium		7630		1170	mg/Kg	6010C
Potassium		3290		1170	mg/Kg	6010C
Calcium		28700		1170	mg/Kg	6010C
Iron		27700		35.1	mg/Kg	6010C
Mercury		0.096		0.019	mg/Kg	7471B
Percent Moisture		16.9		1.0	%	Moisture
Percent Solids		83.1		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-100972-12	WC-12					
Naphthalene		0.031	J F1	0.39	mg/Kg	8270D
2-Methylnaphthalene		0.020	J F1	0.39	mg/Kg	8270D
Acenaphthene		0.16	J F1	0.39	mg/Kg	8270D
Fluorene		0.13	J F1	0.39	mg/Kg	8270D
Phenanthrene		1.7	F1	0.39	mg/Kg	8270D
Anthracene		0.53	F1	0.39	mg/Kg	8270D
Fluoranthene		3.0	F1	0.39	mg/Kg	8270D
Pyrene		2.6	F1	0.39	mg/Kg	8270D
Benzo[a]anthracene		1.3	F1	0.039	mg/Kg	8270D
Chrysene		1.4	F1	0.39	mg/Kg	8270D
Benzo[b]fluoranthene		1.4	F1	0.039	mg/Kg	8270D
Benzo[k]fluoranthene		0.52	F1	0.039	mg/Kg	8270D
Benzo[a]pyrene		1.0	F1	0.039	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		0.76		0.039	mg/Kg	8270D
Dibenz(a,h)anthracene		0.21		0.039	mg/Kg	8270D
Benzo[g,h,i]perylene		0.64		0.39	mg/Kg	8270D
Arsenic		18.6		3.4	mg/Kg	6010C
Barium		124		45.4	mg/Kg	6010C
Beryllium		1.5		0.45	mg/Kg	6010C
Cobalt		12.9		11.3	mg/Kg	6010C
Chromium		56.0		2.3	mg/Kg	6010C
Copper		38.2		5.7	mg/Kg	6010C
Manganese		402		3.4	mg/Kg	6010C
Nickel		27.6		9.1	mg/Kg	6010C
Lead		29.1		2.3	mg/Kg	6010C
Vanadium		74.4		11.3	mg/Kg	6010C
Zinc		101		6.8	mg/Kg	6010C
Aluminum		19400		45.4	mg/Kg	6010C
Sodium		476	J	1130	mg/Kg	6010C
Magnesium		7420		1130	mg/Kg	6010C
Potassium		4040		1130	mg/Kg	6010C
Calcium		17400		1130	mg/Kg	6010C
Iron		39400		34.0	mg/Kg	6010C
Mercury		0.14		0.019	mg/Kg	7471B
Percent Moisture		15.3		1.0	%	Moisture
Percent Solids		84.7		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-100972-13	WC-13					
Acenaphthylene		0.011	J	0.38	mg/Kg	8270D
Acenaphthene		0.022	J *	0.38	mg/Kg	8270D
Fluorene		0.022	J	0.38	mg/Kg	8270D
Phenanthrene		0.25	J	0.38	mg/Kg	8270D
Anthracene		0.055	J	0.38	mg/Kg	8270D
Fluoranthene		0.66		0.38	mg/Kg	8270D
Pyrene		0.35	J	0.38	mg/Kg	8270D
Benzo[a]anthracene		0.27		0.038	mg/Kg	8270D
Chrysene		0.34	J	0.38	mg/Kg	8270D
Benzo[b]fluoranthene		0.37		0.038	mg/Kg	8270D
Benzo[k]fluoranthene		0.15		0.038	mg/Kg	8270D
Benzo[a]pyrene		0.25		0.038	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		0.11		0.038	mg/Kg	8270D
Dibenz(a,h)anthracene		0.047		0.038	mg/Kg	8270D
Benzo[g,h,i]perylene		0.085	J	0.38	mg/Kg	8270D
Arsenic		14.0		3.3	mg/Kg	6010C
Barium		77.4		44.4	mg/Kg	6010C
Beryllium		1.1		0.44	mg/Kg	6010C
Cobalt		16.2		11.1	mg/Kg	6010C
Chromium		38.9		2.2	mg/Kg	6010C
Copper		56.2		5.5	mg/Kg	6010C
Manganese		503		3.3	mg/Kg	6010C
Nickel		27.0		8.9	mg/Kg	6010C
Lead		21.3		2.2	mg/Kg	6010C
Vanadium		67.9		11.1	mg/Kg	6010C
Zinc		80.0		6.7	mg/Kg	6010C
Aluminum		16100		44.4	mg/Kg	6010C
Sodium		916	J	1110	mg/Kg	6010C
Magnesium		9490		1110	mg/Kg	6010C
Potassium		3370		1110	mg/Kg	6010C
Calcium		14400		1110	mg/Kg	6010C
Iron		33400		33.3	mg/Kg	6010C
Mercury		0.061		0.017	mg/Kg	7471B
Percent Moisture		12.5		1.0	%	Moisture
Percent Solids		87.5		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-100972-14	WC-14					
Naphthalene		0.017	J	0.40	mg/Kg	8270D
2-Methylnaphthalene		0.0093	J	0.40	mg/Kg	8270D
Acenaphthylene		0.014	J	0.40	mg/Kg	8270D
Acenaphthene		0.061	J *	0.40	mg/Kg	8270D
Fluorene		0.046	J	0.40	mg/Kg	8270D
Phenanthrene		0.75		0.40	mg/Kg	8270D
Anthracene		0.17	J	0.40	mg/Kg	8270D
Fluoranthene		1.6		0.40	mg/Kg	8270D
Pyrene		1.1		0.40	mg/Kg	8270D
Benzo[a]anthracene		0.75		0.040	mg/Kg	8270D
Chrysene		0.88		0.40	mg/Kg	8270D
Benzo[b]fluoranthene		0.96		0.040	mg/Kg	8270D
Benzo[k]fluoranthene		0.33		0.040	mg/Kg	8270D
Benzo[a]pyrene		0.66		0.040	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		0.26		0.040	mg/Kg	8270D
Dibenz(a,h)anthracene		0.089		0.040	mg/Kg	8270D
Benzo[g,h,i]perylene		0.21	J	0.40	mg/Kg	8270D
Arsenic		11.5		3.5	mg/Kg	6010C
Barium		124		46.8	mg/Kg	6010C
Beryllium		1.1		0.47	mg/Kg	6010C
Cobalt		12.5		11.7	mg/Kg	6010C
Chromium		36.8		2.3	mg/Kg	6010C
Copper		52.6		5.8	mg/Kg	6010C
Manganese		561		3.5	mg/Kg	6010C
Nickel		23.5		9.4	mg/Kg	6010C
Lead		30.8		2.3	mg/Kg	6010C
Vanadium		55.0		11.7	mg/Kg	6010C
Zinc		128		7.0	mg/Kg	6010C
Aluminum		17200		46.8	mg/Kg	6010C
Sodium		786	J	1170	mg/Kg	6010C
Magnesium		8450		1170	mg/Kg	6010C
Potassium		3460		1170	mg/Kg	6010C
Calcium		26000		1170	mg/Kg	6010C
Iron		29200		35.1	mg/Kg	6010C
Mercury		0.14		0.019	mg/Kg	7471B
Percent Moisture		16.9		1.0	%	Moisture
Percent Solids		83.1		1.0	%	Moisture

METHOD SUMMARY

Client: EcolSciences, Inc.

Job Number: 460-100972-1

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)	TAL EDI	SW846 6010C	
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: 460-100972-1

Method	Analyst	Analyst ID
SW846 8270D	Crocco, Michael	MMC
SW846 8270D	Zhao, Chunxin	CAZ
SW846 8082A	Boykin, Carol B	CBB
SW846 6010C	Chang, Churn Der	CDC
SW846 6010C	Huang, Yixin	YZH
SW846 7471B	Staib, Thomas	TJS
EPA Moisture	Martinez, Victor	VMM

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-1

Lab Sample ID: 460-100972-1

Client Matrix: Solid

% Moisture: 16.8

Date Sampled: 09/11/2015 0831

Date Received: 09/11/2015 1130

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-322389

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-322274

Lab File ID: z36340.D

Dilution: 1.0

Initial Weight/Volume: 15.0395 g

Analysis Date: 09/15/2015 0938

Final Weight/Volume: 1 mL

Prep Date: 09/14/2015 0846

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.039	J	0.010	0.40
2-Methylnaphthalene		0.035	J	0.0087	0.40
Acenaphthylene		0.042	J	0.010	0.40
Acenaphthene		0.13	J	0.0096	0.40
Fluorene		0.16	J	0.0086	0.40
Phenanthrene		1.4		0.011	0.40
Anthracene		0.40		0.038	0.40
Fluoranthene		2.2		0.012	0.40
Pyrene		1.3		0.018	0.40
Benzo[a]anthracene		0.90		0.033	0.040
Chrysene		1.1		0.011	0.40
Benzo[b]fluoranthene		1.1		0.015	0.040
Benzo[k]fluoranthene		0.40		0.017	0.040
Benzo[a]pyrene		0.84		0.012	0.040
Indeno[1,2,3-cd]pyrene		0.43		0.026	0.040
Dibenz(a,h)anthracene		0.14		0.021	0.040
Benzo[g,h,i]perylene		0.32	J	0.023	0.40

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	60		30 - 130
Terphenyl-d14	54		30 - 130
2-Fluorobiphenyl	73		30 - 130

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-2

Lab Sample ID: 460-100972-2

Date Sampled: 09/11/2015 0839

Client Matrix: Solid

% Moisture: 16.6

Date Received: 09/11/2015 1130

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-322389

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-322274

Lab File ID: z36341.D

Dilution: 1.0

Initial Weight/Volume: 15.0372 g

Analysis Date: 09/15/2015 1001

Final Weight/Volume: 1 mL

Prep Date: 09/14/2015 0846

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.034	J	0.010	0.39
2-Methylnaphthalene		0.026	J	0.0087	0.39
Acenaphthylene		0.058	J	0.010	0.39
Acenaphthene		0.072	J	0.0096	0.39
Fluorene		0.064	J	0.0086	0.39
Phenanthrene		0.77		0.011	0.39
Anthracene		0.25	J	0.038	0.39
Fluoranthene		1.7		0.012	0.39
Pyrene		1.1		0.018	0.39
Benzo[a]anthracene		0.84		0.033	0.039
Chrysene		0.93		0.011	0.39
Benzo[b]fluoranthene		1.1		0.015	0.039
Benzo[k]fluoranthene		0.40		0.017	0.039
Benzo[a]pyrene		0.83		0.012	0.039
Indeno[1,2,3-cd]pyrene		0.43		0.026	0.039
Dibenz(a,h)anthracene		0.13		0.021	0.039
Benzo[g,h,i]perylene		0.33	J	0.023	0.39

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	55		30 - 130
Terphenyl-d14	49		30 - 130
2-Fluorobiphenyl	66		30 - 130

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-3

Lab Sample ID: 460-100972-3

Client Matrix: Solid

% Moisture: 15.9

Date Sampled: 09/11/2015 0842

Date Received: 09/11/2015 1130

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-322397

Instrument ID: CBNAMS5

Prep Method: 3546

Prep Batch: 460-322274

Lab File ID: x6427.D

Dilution: 5.0

Initial Weight/Volume: 15.0247 g

Analysis Date: 09/15/2015 1351

Final Weight/Volume: 1 mL

Prep Date: 09/14/2015 0846

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.17	J	0.050	2.0
2-Methylnaphthalene		0.11	J	0.043	2.0
Acenaphthylene		0.090	J	0.050	2.0
Acenaphthene		1.6	J	0.047	2.0
Fluorene		1.4	J	0.043	2.0
Phenanthrene		30		0.052	2.0
Anthracene		12		0.19	2.0
Fluoranthene		33		0.058	2.0
Pyrene		22		0.089	2.0
Benzo[a]anthracene		10		0.16	0.20
Chrysene		15		0.053	2.0
Benzo[b]fluoranthene		8.3		0.077	0.20
Benzo[k]fluoranthene		3.1		0.085	0.20
Benzo[a]pyrene		6.0		0.059	0.20
Indeno[1,2,3-cd]pyrene		6.5		0.13	0.20
Dibenz(a,h)anthracene		1.5		0.10	0.20
Benzo[g,h,i]perylene		5.4		0.11	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	87		30 - 130
Terphenyl-d14	91		30 - 130
2-Fluorobiphenyl	104		30 - 130

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-4

Lab Sample ID: 460-100972-4

Client Matrix: Solid

% Moisture: 16.8

Date Sampled: 09/11/2015 0901

Date Received: 09/11/2015 1130

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-322389

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-322274

Lab File ID: z36343.D

Dilution: 1.0

Initial Weight/Volume: 15.0384 g

Analysis Date: 09/15/2015 1047

Final Weight/Volume: 1 mL

Prep Date: 09/14/2015 0846

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.034	J	0.010	0.40
2-Methylnaphthalene		0.016	J	0.0088	0.40
Acenaphthylene		0.024	J	0.010	0.40
Acenaphthene		0.075	J	0.0096	0.40
Fluorene		0.050	J	0.0086	0.40
Phenanthrene		0.90		0.011	0.40
Anthracene		0.24	J	0.038	0.40
Fluoranthene		2.1		0.012	0.40
Pyrene		1.1		0.018	0.40
Benzo[a]anthracene		0.94		0.033	0.040
Chrysene		1.1		0.011	0.40
Benzo[b]fluoranthene		1.2		0.015	0.040
Benzo[k]fluoranthene		0.50		0.017	0.040
Benzo[a]pyrene		0.81		0.012	0.040
Indeno[1,2,3-cd]pyrene		0.42		0.026	0.040
Dibenz(a,h)anthracene		0.14		0.021	0.040
Benzo[g,h,i]perylene		0.30	J	0.023	0.40
Surrogate		%Rec	Qualifier	Acceptance Limits	
Nitrobenzene-d5		65		30 - 130	
Terphenyl-d14		54		30 - 130	
2-Fluorobiphenyl		77		30 - 130	

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-5

Lab Sample ID: 460-100972-5

Client Matrix: Solid

% Moisture: 15.9

Date Sampled: 09/11/2015 0907

Date Received: 09/11/2015 1130

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-322389

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-322274

Lab File ID: z36344.D

Dilution: 1.0

Initial Weight/Volume: 15.0324 g

Analysis Date: 09/15/2015 1110

Final Weight/Volume: 1 mL

Prep Date: 09/14/2015 0846

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.023	J	0.010	0.39
2-Methylnaphthalene		0.019	J	0.0087	0.39
Acenaphthylene		0.036	J	0.010	0.39
Acenaphthene		0.049	J	0.0095	0.39
Fluorene		0.039	J	0.0085	0.39
Phenanthrene		0.52		0.010	0.39
Anthracene		0.14	J	0.037	0.39
Fluoranthene		1.3		0.012	0.39
Pyrene		0.78		0.018	0.39
Benzo[a]anthracene		0.54		0.033	0.039
Chrysene		0.67		0.011	0.39
Benzo[b]fluoranthene		0.77		0.015	0.039
Benzo[k]fluoranthene		0.25		0.017	0.039
Benzo[a]pyrene		0.54		0.012	0.039
Indeno[1,2,3-cd]pyrene		0.27		0.026	0.039
Dibenz(a,h)anthracene		0.10		0.020	0.039
Benzo[g,h,i]perylene		0.21	J	0.023	0.39

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	57		30 - 130
Terphenyl-d14	48		30 - 130
2-Fluorobiphenyl	70		30 - 130

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-6

Lab Sample ID: 460-100972-6

Date Sampled: 09/11/2015 0915

Client Matrix: Solid

% Moisture: 19.6

Date Received: 09/11/2015 1130

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-322389

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-322274

Lab File ID: z36345.D

Dilution: 1.0

Initial Weight/Volume: 15.0231 g

Analysis Date: 09/15/2015 1133

Final Weight/Volume: 1 mL

Prep Date: 09/14/2015 0846

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.082	J	0.010	0.41
2-Methylnaphthalene		0.035	J	0.0091	0.41
Acenaphthylene		0.020	J	0.011	0.41
Acenaphthene		0.26	J	0.0099	0.41
Fluorene		0.19	J	0.0089	0.41
Phenanthrene		2.7		0.011	0.41
Anthracene		0.72		0.039	0.41
Fluoranthene		5.8		0.012	0.41
Pyrene		3.6		0.019	0.41
Benzo[a]anthracene		2.4		0.034	0.041
Chrysene		2.6		0.011	0.41
Benzo[b]fluoranthene		3.1		0.016	0.041
Benzo[k]fluoranthene		1.1		0.018	0.041
Benzo[a]pyrene		2.0		0.012	0.041
Indeno[1,2,3-cd]pyrene		0.95		0.027	0.041
Dibenz(a,h)anthracene		0.25		0.021	0.041
Benzo[g,h,i]perylene		0.68		0.024	0.41

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	62		30 - 130
Terphenyl-d14	51		30 - 130
2-Fluorobiphenyl	75		30 - 130

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-7

Lab Sample ID: 460-100972-7

Date Sampled: 09/11/2015 0921

Client Matrix: Solid

% Moisture: 18.3

Date Received: 09/11/2015 1130

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-322397

Instrument ID: CBNAMS5

Prep Method: 3546

Prep Batch: 460-322274

Lab File ID: x6430.D

Dilution: 5.0

Initial Weight/Volume: 15.0372 g

Analysis Date: 09/15/2015 1503

Final Weight/Volume: 1 mL

Prep Date: 09/14/2015 0846

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.34	J	0.051	2.0
2-Methylnaphthalene		0.17	J	0.045	2.0
Acenaphthylene		0.052	U	0.052	2.0
Acenaphthene		1.1	J	0.049	2.0
Fluorene		0.67	J	0.044	2.0
Phenanthrene		17		0.054	2.0
Anthracene		2.8		0.19	2.0
Fluoranthene		19		0.060	2.0
Pyrene		12		0.092	2.0
Benzo[a]anthracene		6.0		0.17	0.20
Chrysene		6.6		0.055	2.0
Benzo[b]fluoranthene		5.0		0.079	0.20
Benzo[k]fluoranthene		1.9		0.088	0.20
Benzo[a]pyrene		3.8		0.061	0.20
Indeno[1,2,3-cd]pyrene		4.2		0.13	0.20
Dibenz(a,h)anthracene		0.99		0.11	0.20
Benzo[g,h,i]perylene		3.6		0.12	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	61		30 - 130
Terphenyl-d14	62		30 - 130
2-Fluorobiphenyl	71		30 - 130

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-8

Lab Sample ID: 460-100972-8

Client Matrix: Solid

% Moisture: 18.4

Date Sampled: 09/11/2015 0938

Date Received: 09/11/2015 1130

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-322389

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-322274

Lab File ID: z36347.D

Dilution: 1.0

Initial Weight/Volume: 15.0244 g

Analysis Date: 09/15/2015 1219

Final Weight/Volume: 1 mL

Prep Date: 09/14/2015 0846

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.10	J	0.010	0.40
2-Methylnaphthalene		0.050	J	0.0089	0.40
Acenaphthylene		0.028	J	0.010	0.40
Acenaphthene		0.41		0.0098	0.40
Fluorene		0.30	J	0.0088	0.40
Phenanthrene		3.8		0.011	0.40
Anthracene		1.1		0.038	0.40
Fluoranthene		7.4		0.012	0.40
Pyrene		3.6		0.018	0.40
Benzo[a]anthracene		2.5		0.034	0.040
Chrysene		2.7		0.011	0.40
Benzo[b]fluoranthene		3.2		0.016	0.040
Benzo[k]fluoranthene		1.2		0.018	0.040
Benzo[a]pyrene		2.1		0.012	0.040
Indeno[1,2,3-cd]pyrene		0.98		0.027	0.040
Dibenz(a,h)anthracene		0.28		0.021	0.040
Benzo[g,h,i]perylene		0.71		0.023	0.40
Surrogate		%Rec	Qualifier	Acceptance Limits	
Nitrobenzene-d5		63		30 - 130	
Terphenyl-d14		50		30 - 130	
2-Fluorobiphenyl		73		30 - 130	

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-9

Lab Sample ID: 460-100972-9

Date Sampled: 09/11/2015 0942

Client Matrix: Solid

% Moisture: 18.5

Date Received: 09/11/2015 1130

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-322563

Instrument ID: CBNAMS12

Prep Method: 3546

Prep Batch: 460-322274

Lab File ID: L125783.D

Dilution: 5.0

Initial Weight/Volume: 15.0321 g

Analysis Date: 09/16/2015 0110

Final Weight/Volume: 1 mL

Prep Date: 09/14/2015 0846

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.31	J	0.051	2.0
2-Methylnaphthalene		0.17	J	0.045	2.0
Acenaphthylene		0.052	U	0.052	2.0
Acenaphthene		1.1	J	0.049	2.0
Fluorene		0.77	J	0.044	2.0
Phenanthrene		12		0.054	2.0
Anthracene		2.7		0.19	2.0
Fluoranthene		13		0.060	2.0
Pyrene		6.9		0.092	2.0
Benzo[a]anthracene		4.0		0.17	0.20
Chrysene		4.4		0.055	2.0
Benzo[b]fluoranthene		4.1		0.079	0.20
Benzo[k]fluoranthene		1.6		0.088	0.20
Benzo[a]pyrene		3.0		0.061	0.20
Indeno[1,2,3-cd]pyrene		1.9		0.13	0.20
Dibenz(a,h)anthracene		0.58		0.11	0.20
Benzo[g,h,i]perylene		1.6	J	0.12	2.0
Surrogate		%Rec	Qualifier	Acceptance Limits	
Nitrobenzene-d5		54		30 - 130	
Terphenyl-d14		47		30 - 130	
2-Fluorobiphenyl		60		30 - 130	

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-10

Lab Sample ID: 460-100972-10

Date Sampled: 09/11/2015 1001

Client Matrix: Solid

% Moisture: 15.2

Date Received: 09/11/2015 1130

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-322656

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-322274

Lab File ID: z36373.D

Dilution: 2.0

Initial Weight/Volume: 15.0342 g

Analysis Date: 09/16/2015 1255

Final Weight/Volume: 1 mL

Prep Date: 09/14/2015 0846

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.10	J	0.020	0.78
2-Methylnaphthalene		0.032	J	0.017	0.78
Acenaphthylene		0.023	J	0.020	0.78
Acenaphthene		0.27	J	0.019	0.78
Fluorene		0.25	J	0.017	0.78
Phenanthrene		3.2		0.021	0.78
Anthracene		0.84		0.074	0.78
Fluoranthene		5.9		0.023	0.78
Pyrene		4.9		0.035	0.78
Benzo[a]anthracene		2.7		0.065	0.078
Chrysene		3.1		0.021	0.78
Benzo[b]fluoranthene		2.8		0.030	0.078
Benzo[k]fluoranthene		1.1		0.034	0.078
Benzo[a]pyrene		2.2		0.024	0.078
Indeno[1,2,3-cd]pyrene		1.6		0.052	0.078
Dibenz(a,h)anthracene		0.43		0.040	0.078
Benzo[g,h,i]perylene		1.3		0.045	0.78
Surrogate		%Rec	Qualifier	Acceptance Limits	
Nitrobenzene-d5		62		30 - 130	
Terphenyl-d14		68		30 - 130	
2-Fluorobiphenyl		78		30 - 130	

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-11

Lab Sample ID: 460-100972-11

Date Sampled: 09/11/2015 1007

Client Matrix: Solid

% Moisture: 16.9

Date Received: 09/11/2015 1130

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-322389

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-322274

Lab File ID: z36350.D

Dilution: 1.0

Initial Weight/Volume: 15.0435 g

Analysis Date: 09/15/2015 1327

Final Weight/Volume: 1 mL

Prep Date: 09/14/2015 0846

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.030	J	0.010	0.40
2-Methylnaphthalene		0.016	J	0.0088	0.40
Acenaphthylene		0.022	J	0.010	0.40
Acenaphthene		0.084	J	0.0096	0.40
Fluorene		0.060	J	0.0086	0.40
Phenanthrene		0.97		0.011	0.40
Anthracene		0.26	J	0.038	0.40
Fluoranthene		2.3		0.012	0.40
Pyrene		1.3		0.018	0.40
Benzo[a]anthracene		1.1		0.033	0.040
Chrysene		1.1		0.011	0.40
Benzo[b]fluoranthene		1.4		0.015	0.040
Benzo[k]fluoranthene		0.58		0.017	0.040
Benzo[a]pyrene		0.90		0.012	0.040
Indeno[1,2,3-cd]pyrene		0.45		0.026	0.040
Dibenz(a,h)anthracene		0.15		0.021	0.040
Benzo[g,h,i]perylene		0.32	J	0.023	0.40
Surrogate		%Rec	Qualifier	Acceptance Limits	
Nitrobenzene-d5		64		30 - 130	
Terphenyl-d14		55		30 - 130	
2-Fluorobiphenyl		78		30 - 130	

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-12

Lab Sample ID: 460-100972-12

Date Sampled: 09/11/2015 1014

Client Matrix: Solid

% Moisture: 15.3

Date Received: 09/11/2015 1130

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-322389

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-322274

Lab File ID: z36332.D

Dilution: 1.0

Initial Weight/Volume: 15.0492 g

Analysis Date: 09/15/2015 0635

Final Weight/Volume: 1 mL

Prep Date: 09/14/2015 0846

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.031	J F1	0.0099	0.39
2-Methylnaphthalene		0.020	J F1	0.0086	0.39
Acenaphthylene		0.010	U F1	0.010	0.39
Acenaphthene		0.16	J F1	0.0094	0.39
Fluorene		0.13	J F1	0.0085	0.39
Phenanthrene		1.7	F1	0.010	0.39
Anthracene		0.53	F1	0.037	0.39
Fluoranthene		3.0	F1	0.012	0.39
Pyrene		2.6	F1	0.018	0.39
Benzo[a]anthracene		1.3	F1	0.032	0.039
Chrysene		1.4	F1	0.011	0.39
Benzo[b]fluoranthene		1.4	F1	0.015	0.039
Benzo[k]fluoranthene		0.52	F1	0.017	0.039
Benzo[a]pyrene		1.0	F1	0.012	0.039
Indeno[1,2,3-cd]pyrene		0.76		0.026	0.039
Dibenz(a,h)anthracene		0.21		0.020	0.039
Benzo[g,h,i]perylene		0.64		0.022	0.39

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	61		30 - 130
Terphenyl-d14	73		30 - 130
2-Fluorobiphenyl	72		30 - 130

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-13

Lab Sample ID: 460-100972-13

Date Sampled: 09/11/2015 1030

Client Matrix: Solid

% Moisture: 12.5

Date Received: 09/11/2015 1130

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-322632

Instrument ID: CBNAMS12

Prep Method: 3546

Prep Batch: 460-322460

Lab File ID: L125810.D

Dilution: 1.0

Initial Weight/Volume: 15.0213 g

Analysis Date: 09/16/2015 1313

Final Weight/Volume: 1 mL

Prep Date: 09/15/2015 0939

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.0096	U	0.0096	0.38
2-Methylnaphthalene		0.0083	U	0.0083	0.38
Acenaphthylene		0.011	J	0.0097	0.38
Acenaphthene		0.022	J *	0.0091	0.38
Fluorene		0.022	J	0.0082	0.38
Phenanthrene		0.25	J	0.010	0.38
Anthracene		0.055	J	0.036	0.38
Fluoranthene		0.66		0.011	0.38
Pyrene		0.35	J	0.017	0.38
Benzo[a]anthracene		0.27		0.031	0.038
Chrysene		0.34	J	0.010	0.38
Benzo[b]fluoranthene		0.37		0.015	0.038
Benzo[k]fluoranthene		0.15		0.016	0.038
Benzo[a]pyrene		0.25		0.011	0.038
Indeno[1,2,3-cd]pyrene		0.11		0.025	0.038
Dibenz(a,h)anthracene		0.047		0.020	0.038
Benzo[g,h,i]perylene		0.085	J	0.022	0.38
Surrogate		%Rec	Qualifier	Acceptance Limits	
Nitrobenzene-d5		53		30 - 130	
Terphenyl-d14		42		30 - 130	
2-Fluorobiphenyl		58		30 - 130	

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-14

Lab Sample ID: 460-100972-14

Client Matrix: Solid

% Moisture: 16.9

Date Sampled: 09/11/2015 1037

Date Received: 09/11/2015 1130

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-322632

Instrument ID: CBNAMS12

Prep Method: 3546

Prep Batch: 460-322460

Lab File ID: L125811.D

Dilution: 1.0

Initial Weight/Volume: 15.0251 g

Analysis Date: 09/16/2015 1338

Final Weight/Volume: 1 mL

Prep Date: 09/15/2015 0939

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Naphthalene		0.017	J	0.010	0.40
2-Methylnaphthalene		0.0093	J	0.0088	0.40
Acenaphthylene		0.014	J	0.010	0.40
Acenaphthene		0.061	J *	0.0096	0.40
Fluorene		0.046	J	0.0087	0.40
Phenanthrene		0.75		0.011	0.40
Anthracene		0.17	J	0.038	0.40
Fluoranthene		1.6		0.012	0.40
Pyrene		1.1		0.018	0.40
Benzo[a]anthracene		0.75		0.033	0.040
Chrysene		0.88		0.011	0.40
Benzo[b]fluoranthene		0.96		0.016	0.040
Benzo[k]fluoranthene		0.33		0.017	0.040
Benzo[a]pyrene		0.66		0.012	0.040
Indeno[1,2,3-cd]pyrene		0.26		0.026	0.040
Dibenz(a,h)anthracene		0.089		0.021	0.040
Benzo[g,h,i]perylene		0.21	J	0.023	0.40
Surrogate		%Rec	Qualifier	Acceptance Limits	
Nitrobenzene-d5		57		30 - 130	
Terphenyl-d14		52		30 - 130	
2-Fluorobiphenyl		63		30 - 130	

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-1

Lab Sample ID: 460-100972-1

Date Sampled: 09/11/2015 0831

Client Matrix: Solid

% Moisture: 16.8

Date Received: 09/11/2015 1130

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-322579

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-322399

Initial Weight/Volume: 15.0046 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/15/2015 1731

Injection Volume: 1 uL

Prep Date: 09/15/2015 0235

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	115		30 - 150
Tetrachloro-m-xylene	111		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-1

Lab Sample ID: 460-100972-1

Date Sampled: 09/11/2015 0831

Client Matrix: Solid

% Moisture: 16.8

Date Received: 09/11/2015 1130

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-322579

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-322399

Initial Weight/Volume: 15.0046 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/15/2015 1731

Injection Volume: 1 uL

Prep Date: 09/15/2015 0235

Result Type: SECONDARY

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

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-2

Lab Sample ID: 460-100972-2

Date Sampled: 09/11/2015 0839

Client Matrix: Solid

% Moisture: 16.6

Date Received: 09/11/2015 1130

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-322579

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-322399

Initial Weight/Volume: 15.0060 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/15/2015 1746

Injection Volume: 1 uL

Prep Date: 09/15/2015 0235

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	114		30 - 150
Tetrachloro-m-xylene	106		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-2

Lab Sample ID: 460-100972-2

Date Sampled: 09/11/2015 0839

Client Matrix: Solid

% Moisture: 16.6

Date Received: 09/11/2015 1130

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-322579

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-322399

Initial Weight/Volume: 15.0060 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/15/2015 1746

Injection Volume: 1 uL

Prep Date: 09/15/2015 0235

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: 460-100972-1

Client Sample ID: WC-3

Lab Sample ID: 460-100972-3

Date Sampled: 09/11/2015 0842

Client Matrix: Solid

% Moisture: 15.9

Date Received: 09/11/2015 1130

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-322579

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-322399

Initial Weight/Volume: 15.0099 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/15/2015 1800

Injection Volume: 1 uL

Prep Date: 09/15/2015 0235

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	116		30 - 150
Tetrachloro-m-xylene	108		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-3

Lab Sample ID: 460-100972-3

Date Sampled: 09/11/2015 0842

Client Matrix: Solid

% Moisture: 15.9

Date Received: 09/11/2015 1130

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-322579

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-322399

Initial Weight/Volume: 15.0099 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/15/2015 1800

Injection Volume: 1 uL

Prep Date: 09/15/2015 0235

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	108		30 - 150
Tetrachloro-m-xylene	106		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-4

Lab Sample ID: 460-100972-4

Client Matrix: Solid

% Moisture: 16.8

Date Sampled: 09/11/2015 0901

Date Received: 09/11/2015 1130

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-322579

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-322399

Initial Weight/Volume: 15.0017 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/15/2015 1815

Injection Volume: 1 uL

Prep Date: 09/15/2015 0235

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	104		30 - 150
Tetrachloro-m-xylene	100		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-4

Lab Sample ID: 460-100972-4

Date Sampled: 09/11/2015 0901

Client Matrix: Solid

% Moisture: 16.8

Date Received: 09/11/2015 1130

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-322579

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-322399

Initial Weight/Volume: 15.0017 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/15/2015 1815

Injection Volume: 1 uL

Prep Date: 09/15/2015 0235

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	99		30 - 150
Tetrachloro-m-xylene	98		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-5

Lab Sample ID: 460-100972-5

Date Sampled: 09/11/2015 0907

Client Matrix: Solid

% Moisture: 15.9

Date Received: 09/11/2015 1130

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-322579

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-322399

Initial Weight/Volume: 15.0300 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/15/2015 1830

Injection Volume: 1 uL

Prep Date: 09/15/2015 0235

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	96		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-5

Lab Sample ID: 460-100972-5

Date Sampled: 09/11/2015 0907

Client Matrix: Solid

% Moisture: 15.9

Date Received: 09/11/2015 1130

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-322579

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-322399

Initial Weight/Volume: 15.0300 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/15/2015 1830

Injection Volume: 1 uL

Prep Date: 09/15/2015 0235

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	96		30 - 150
Tetrachloro-m-xylene	95		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-6

Lab Sample ID: 460-100972-6

Date Sampled: 09/11/2015 0915

Client Matrix: Solid

% Moisture: 19.6

Date Received: 09/11/2015 1130

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-322579

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-322399

Initial Weight/Volume: 15.0225 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/15/2015 1844

Injection Volume: 1 uL

Prep Date: 09/15/2015 0235

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	108		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-6

Lab Sample ID: 460-100972-6

Date Sampled: 09/11/2015 0915

Client Matrix: Solid

% Moisture: 19.6

Date Received: 09/11/2015 1130

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-322579

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-322399

Initial Weight/Volume: 15.0225 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/15/2015 1844

Injection Volume: 1 uL

Prep Date: 09/15/2015 0235

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	108		30 - 150
Tetrachloro-m-xylene	106		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-7

Lab Sample ID: 460-100972-7

Date Sampled: 09/11/2015 0921

Client Matrix: Solid

% Moisture: 18.3

Date Received: 09/11/2015 1130

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-322579

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-322399

Initial Weight/Volume: 15.0087 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/15/2015 1859

Injection Volume: 1 uL

Prep Date: 09/15/2015 0235

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	107		30 - 150
Tetrachloro-m-xylene	102		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-7

Lab Sample ID: 460-100972-7

Date Sampled: 09/11/2015 0921

Client Matrix: Solid

% Moisture: 18.3

Date Received: 09/11/2015 1130

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-322579

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-322399

Initial Weight/Volume: 15.0087 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/15/2015 1859

Injection Volume: 1 uL

Prep Date: 09/15/2015 0235

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	101		30 - 150
Tetrachloro-m-xylene	100		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-8

Lab Sample ID: 460-100972-8

Date Sampled: 09/11/2015 0938

Client Matrix: Solid

% Moisture: 18.4

Date Received: 09/11/2015 1130

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-322579

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-322399

Initial Weight/Volume: 15.0066 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/15/2015 1913

Injection Volume: 1 uL

Prep Date: 09/15/2015 0235

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	108		30 - 150
Tetrachloro-m-xylene	102		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-8

Lab Sample ID: 460-100972-8

Date Sampled: 09/11/2015 0938

Client Matrix: Solid

% Moisture: 18.4

Date Received: 09/11/2015 1130

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-322579

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-322399

Initial Weight/Volume: 15.0066 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/15/2015 1913

Injection Volume: 1 uL

Prep Date: 09/15/2015 0235

Result Type: SECONDARY

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

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-9

Lab Sample ID: 460-100972-9

Date Sampled: 09/11/2015 0942

Client Matrix: Solid

% Moisture: 18.5

Date Received: 09/11/2015 1130

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-322579

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-322399

Initial Weight/Volume: 15.0090 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/15/2015 1928

Injection Volume: 1 uL

Prep Date: 09/15/2015 0235

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	114		30 - 150
Tetrachloro-m-xylene	104		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-9

Lab Sample ID: 460-100972-9

Date Sampled: 09/11/2015 0942

Client Matrix: Solid

% Moisture: 18.5

Date Received: 09/11/2015 1130

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-322579

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-322399

Initial Weight/Volume: 15.0090 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/15/2015 1928

Injection Volume: 1 uL

Prep Date: 09/15/2015 0235

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	107		30 - 150
Tetrachloro-m-xylene	102		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-10

Lab Sample ID: 460-100972-10

Date Sampled: 09/11/2015 1001

Client Matrix: Solid

% Moisture: 15.2

Date Received: 09/11/2015 1130

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-322579

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-322399

Initial Weight/Volume: 15.0225 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/15/2015 1942

Injection Volume: 1 uL

Prep Date: 09/15/2015 0235

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	102		30 - 150
Tetrachloro-m-xylene	97		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-10

Lab Sample ID: 460-100972-10

Date Sampled: 09/11/2015 1001

Client Matrix: Solid

% Moisture: 15.2

Date Received: 09/11/2015 1130

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-322579

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-322399

Initial Weight/Volume: 15.0225 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/15/2015 1942

Injection Volume: 1 uL

Prep Date: 09/15/2015 0235

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	97		30 - 150
Tetrachloro-m-xylene	96		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-11

Lab Sample ID: 460-100972-11

Date Sampled: 09/11/2015 1007

Client Matrix: Solid

% Moisture: 16.9

Date Received: 09/11/2015 1130

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-322579

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-322399

Initial Weight/Volume: 15.0182 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/15/2015 1957

Injection Volume: 1 uL

Prep Date: 09/15/2015 0235

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	107		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-11

Lab Sample ID: 460-100972-11

Date Sampled: 09/11/2015 1007

Client Matrix: Solid

% Moisture: 16.9

Date Received: 09/11/2015 1130

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-322579

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-322399

Initial Weight/Volume: 15.0182 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/15/2015 1957

Injection Volume: 1 uL

Prep Date: 09/15/2015 0235

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	103		30 - 150
Tetrachloro-m-xylene	106		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-12

Lab Sample ID: 460-100972-12

Date Sampled: 09/11/2015 1014

Client Matrix: Solid

% Moisture: 15.3

Date Received: 09/11/2015 1130

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-322579

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-322399

Initial Weight/Volume: 15.0088 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/15/2015 2011

Injection Volume: 1 uL

Prep Date: 09/15/2015 0235

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	104		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-12

Lab Sample ID: 460-100972-12

Date Sampled: 09/11/2015 1014

Client Matrix: Solid

% Moisture: 15.3

Date Received: 09/11/2015 1130

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-322579

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-322399

Initial Weight/Volume: 15.0088 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/15/2015 2011

Injection Volume: 1 uL

Prep Date: 09/15/2015 0235

Result Type: SECONDARY

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

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-13

Lab Sample ID: 460-100972-13

Date Sampled: 09/11/2015 1030

Client Matrix: Solid

% Moisture: 12.5

Date Received: 09/11/2015 1130

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-322579

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-322399

Initial Weight/Volume: 15.0019 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/15/2015 2153

Injection Volume: 1 uL

Prep Date: 09/15/2015 0856

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	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	113		30 - 150
Tetrachloro-m-xylene	106		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-13

Lab Sample ID: 460-100972-13

Date Sampled: 09/11/2015 1030

Client Matrix: Solid

% Moisture: 12.5

Date Received: 09/11/2015 1130

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-322579

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-322399

Initial Weight/Volume: 15.0019 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/15/2015 2153

Injection Volume: 1 uL

Prep Date: 09/15/2015 0856

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	107		30 - 150
Tetrachloro-m-xylene	105		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-14

Lab Sample ID: 460-100972-14

Date Sampled: 09/11/2015 1037

Client Matrix: Solid

% Moisture: 16.9

Date Received: 09/11/2015 1130

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-322579

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-322399

Initial Weight/Volume: 15.0331 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/15/2015 2207

Injection Volume: 1 uL

Prep Date: 09/15/2015 0856

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	102		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-14

Lab Sample ID: 460-100972-14

Date Sampled: 09/11/2015 1037

Client Matrix: Solid

% Moisture: 16.9

Date Received: 09/11/2015 1130

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-322579

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-322399

Initial Weight/Volume: 15.0331 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 09/15/2015 2207

Injection Volume: 1 uL

Prep Date: 09/15/2015 0856

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	100		30 - 150
Tetrachloro-m-xylene	99		30 - 150

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-1

Lab Sample ID: 460-100972-1

Date Sampled: 09/11/2015 0831

Client Matrix: Solid

% Moisture: 16.8

Date Received: 09/11/2015 1130

6010C Metals (ICP)

Analysis Method: 6010C

Analysis Batch: 460-322700

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 460-322469

Lab File ID: 322345.asc

Dilution: 4.0

Initial Weight/Volume: 1.01 g

Analysis Date: 09/15/2015 1739

Final Weight/Volume: 50 mL

Prep Date: 09/15/2015 0954

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		0.42	U	0.42	2.4
Arsenic		9.9		1.2	3.6
Barium		265		1.7	47.6
Beryllium		1.5		0.40	0.48
Cadmium		0.50	U	0.50	0.95
Cobalt		14.8		1.4	11.9
Chromium		38.8		1.2	2.4
Copper		32.8		1.5	5.9
Manganese		850		1.2	3.6
Nickel		30.5		1.7	9.5
Lead		49.7		0.93	2.4
Antimony		2.2	J	1.9	4.8
Selenium		1.6	U	1.6	4.8
Vanadium		47.4		1.2	11.9
Zinc		109		1.7	7.1
Aluminum		26500		24.5	47.6
Sodium		817	J	80.5	1190
Magnesium		7460		59.4	1190
Potassium		4490		36.0	1190
Calcium		11200		70.4	1190
Iron		34000		26.9	35.7
Thallium		2.1	U	2.1	4.8

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-322506

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-322411

Lab File ID: 322411HG1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.64 g

Analysis Date: 09/15/2015 0930

Final Weight/Volume: 50 mL

Prep Date: 09/15/2015 0417

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.086		0.014	0.019

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-2

Lab Sample ID: 460-100972-2

Date Sampled: 09/11/2015 0839

Client Matrix: Solid

% Moisture: 16.6

Date Received: 09/11/2015 1130

6010C Metals (ICP)

Analysis Method: 6010C

Analysis Batch: 460-322700

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 460-322469

Lab File ID: 322345.asc

Dilution: 4.0

Initial Weight/Volume: 1.03 g

Analysis Date: 09/15/2015 1743

Final Weight/Volume: 50 mL

Prep Date: 09/15/2015 0954

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		0.41	U	0.41	2.3
Arsenic		10.2		1.1	3.5
Barium		208		1.7	46.6
Beryllium		1.2		0.39	0.47
Cadmium		0.49	U	0.49	0.93
Cobalt		16.6		1.3	11.6
Chromium		41.2		1.1	2.3
Copper		46.8		1.5	5.8
Manganese		831		1.2	3.5
Nickel		30.4		1.7	9.3
Lead		27.5		0.91	2.3
Antimony		1.8	U	1.8	4.7
Selenium		1.6	U	1.6	4.7
Vanadium		58.7		1.2	11.6
Zinc		99.1		1.7	7.0
Aluminum		23100		24.0	46.6
Sodium		802	J	78.8	1160
Magnesium		9210		58.1	1160
Potassium		4110		35.3	1160
Calcium		20100		68.9	1160
Iron		34300		26.3	34.9
Thallium		2.1	U	2.1	4.7

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-322506

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-322411

Lab File ID: 322411HG1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.67 g

Analysis Date: 09/15/2015 0933

Final Weight/Volume: 50 mL

Prep Date: 09/15/2015 0417

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.076		0.013	0.018

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-3

Lab Sample ID: 460-100972-3

Date Sampled: 09/11/2015 0842

Client Matrix: Solid

% Moisture: 15.9

Date Received: 09/11/2015 1130

6010C Metals (ICP)

Analysis Method: 6010C

Analysis Batch: 460-322199

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 460-322001

Lab File ID: 09132015.asc

Dilution: 4.0

Initial Weight/Volume: 1.12 g

Analysis Date: 09/13/2015 1644

Final Weight/Volume: 50 mL

Prep Date: 09/11/2015 1707

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		0.37	U	0.37	2.1
Arsenic		18.8		1.0	3.2
Barium		166		1.5	42.5
Beryllium		0.49		0.36	0.42
Cadmium		0.44	U	0.44	0.85
Cobalt		8.6	J	1.2	10.6
Chromium		56.6	F1	1.0	2.1
Manganese		587		1.1	3.2
Nickel		24.8		1.5	8.5
Lead		34.5		0.83	2.1
Antimony		1.7	U F1	1.7	4.2
Selenium		1.5	U	1.5	4.2
Vanadium		35.3		1.1	10.6
Zinc		173	F1	1.5	6.4
Aluminum		18800		21.9	42.5
Sodium		3570	F1	71.9	1060
Magnesium		11000		53.0	1060
Potassium		4100	F1	32.2	1060
Iron		19400		24.0	31.8
Thallium		1.9	U	1.9	4.2

Analysis Method: 6010C

Analysis Batch: 460-322700

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 460-322469

Lab File ID: 322345.asc

Dilution: 4.0

Initial Weight/Volume: 1.01 g

Analysis Date: 09/15/2015 1758

Final Weight/Volume: 50 mL

Prep Date: 09/15/2015 0954

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Copper		34.8		1.5	5.9

Analysis Method: 6010C

Analysis Batch: 460-322199

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 460-322001

Lab File ID: 09132015.asc

Dilution: 10

Initial Weight/Volume: 1.12 g

Analysis Date: 09/13/2015 2120

Final Weight/Volume: 50 mL

Prep Date: 09/11/2015 1707

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Calcium		78300		157	2650

7471B Mercury (CVAA)

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-3

Lab Sample ID: 460-100972-3

Date Sampled: 09/11/2015 0842

Client Matrix: Solid

% Moisture: 15.9

Date Received: 09/11/2015 1130

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-322506

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-322411

Lab File ID: 322411HG1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.61 g

Analysis Date: 09/15/2015 0935

Final Weight/Volume: 50 mL

Prep Date: 09/15/2015 0417

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.18		0.014	0.020

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-4

Lab Sample ID: 460-100972-4

Date Sampled: 09/11/2015 0901

Client Matrix: Solid

% Moisture: 16.8

Date Received: 09/11/2015 1130

6010C Metals (ICP)

Analysis Method: 6010C

Analysis Batch: 460-322700

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 460-322469

Lab File ID: 322345.asc

Dilution: 4.0

Initial Weight/Volume: 1.00 g

Analysis Date: 09/15/2015 1801

Final Weight/Volume: 50 mL

Prep Date: 09/15/2015 0954

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		0.42	U	0.42	2.4
Arsenic		9.9		1.2	3.6
Barium		139		1.7	48.1
Beryllium		1.0		0.41	0.48
Cadmium		0.50	U	0.50	0.96
Cobalt		12.5		1.4	12.0
Chromium		40.7		1.2	2.4
Copper		37.1		1.6	6.0
Manganese		438		1.3	3.6
Nickel		22.3		1.8	9.6
Lead		29.3		0.94	2.4
Antimony		1.9	U	1.9	4.8
Selenium		1.7	U	1.7	4.8
Vanadium		52.8		1.2	12.0
Zinc		87.1		1.8	7.2
Aluminum		17200		24.8	48.1
Sodium		557	J	81.4	1200
Magnesium		6200		60.0	1200
Potassium		3220		36.4	1200
Calcium		21200		71.2	1200
Iron		30800		27.2	36.1
Thallium		2.1	U	2.1	4.8

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-322506

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-322411

Lab File ID: 322411HG1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.67 g

Analysis Date: 09/15/2015 0937

Final Weight/Volume: 50 mL

Prep Date: 09/15/2015 0417

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.15		0.013	0.018

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-5

Lab Sample ID: 460-100972-5

Client Matrix: Solid

% Moisture: 15.9

Date Sampled: 09/11/2015 0907

Date Received: 09/11/2015 1130

6010C Metals (ICP)

Analysis Method: 6010C

Analysis Batch: 460-322700

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 460-322469

Lab File ID: 322345.asc

Dilution: 4.0

Initial Weight/Volume: 1.01 g

Analysis Date: 09/15/2015 1805

Final Weight/Volume: 50 mL

Prep Date: 09/15/2015 0954

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		0.42	U	0.42	2.4
Arsenic		10.1		1.2	3.5
Barium		107		1.7	47.1
Beryllium		1.1		0.40	0.47
Cadmium		0.49	U	0.49	0.94
Cobalt		12.4		1.4	11.8
Chromium		34.6		1.1	2.4
Copper		45.5		1.5	5.9
Manganese		519		1.2	3.5
Nickel		22.9		1.7	9.4
Lead		28.7		0.92	2.4
Antimony		1.9	U	1.9	4.7
Selenium		1.6	U	1.6	4.7
Vanadium		51.7		1.2	11.8
Zinc		87.9		1.7	7.1
Aluminum		16400		24.3	47.1
Sodium		644	J	79.7	1180
Magnesium		7290		58.8	1180
Potassium		3570		35.7	1180
Calcium		18300		69.7	1180
Iron		27900		26.6	35.3
Thallium		2.1	U	2.1	4.7

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-322506

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-322412

Lab File ID: 322411HG1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.66 g

Analysis Date: 09/15/2015 0955

Final Weight/Volume: 50 mL

Prep Date: 09/15/2015 0447

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.15		0.013	0.018

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-6

Lab Sample ID: 460-100972-6

Date Sampled: 09/11/2015 0915

Client Matrix: Solid

% Moisture: 19.6

Date Received: 09/11/2015 1130

6010C Metals (ICP)

Analysis Method: 6010C

Analysis Batch: 460-322700

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 460-322469

Lab File ID: 322345.asc

Dilution: 4.0

Initial Weight/Volume: 1.02 g

Analysis Date: 09/15/2015 1809

Final Weight/Volume: 50 mL

Prep Date: 09/15/2015 0954

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		0.43	U	0.43	2.4
Arsenic		10.9		1.2	3.7
Barium		159		1.7	48.8
Beryllium		1.2		0.41	0.49
Cadmium		0.51	U	0.51	0.98
Cobalt		12.0	J	1.4	12.2
Chromium		43.7		1.2	2.4
Copper		667		1.6	6.1
Manganese		533		1.3	3.7
Nickel		27.5		1.8	9.8
Lead		33.4		0.96	2.4
Antimony		1.9	U	1.9	4.9
Selenium		1.7	U	1.7	4.9
Vanadium		50.3		1.2	12.2
Zinc		155		1.8	7.3
Aluminum		19200		25.1	48.8
Sodium		1660		82.5	1220
Magnesium		9410		60.8	1220
Potassium		4310		36.9	1220
Calcium		45300		72.2	1220
Iron		28900		27.5	36.6
Thallium		2.2	U	2.2	4.9

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-322506

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-322412

Lab File ID: 322411HG1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.61 g

Analysis Date: 09/15/2015 0957

Final Weight/Volume: 50 mL

Prep Date: 09/15/2015 0447

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.14		0.015	0.021

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-7

Lab Sample ID: 460-100972-7

Date Sampled: 09/11/2015 0921

Client Matrix: Solid

% Moisture: 18.3

Date Received: 09/11/2015 1130

6010C Metals (ICP)

Analysis Method: 6010C

Analysis Batch: 460-322700

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 460-322469

Lab File ID: 322345.asc

Dilution: 4.0

Initial Weight/Volume: 1.02 g

Analysis Date: 09/15/2015 1812

Final Weight/Volume: 50 mL

Prep Date: 09/15/2015 0954

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		0.42	U	0.42	2.4
Arsenic		7.9		1.2	3.6
Barium		125		1.7	48.0
Beryllium		1.0		0.41	0.48
Cadmium		0.50	U	0.50	0.96
Cobalt		7.7	J	1.4	12.0
Chromium		33.4		1.2	2.4
Copper		55.9		1.6	6.0
Manganese		406		1.3	3.6
Nickel		23.2		1.8	9.6
Lead		60.2		0.94	2.4
Antimony		1.9	J	1.9	4.8
Selenium		1.7	U	1.7	4.8
Vanadium		30.4		1.2	12.0
Zinc		428		1.8	7.2
Aluminum		12100		24.7	48.0
Sodium		874	J	81.3	1200
Magnesium		11100		59.9	1200
Potassium		2150		36.4	1200
Iron		14600		27.1	36.0
Thallium		2.1	U	2.1	4.8

Analysis Method: 6010C

Analysis Batch: 460-322801

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 460-322469

Lab File ID: 322002.asc

Dilution: 10

Initial Weight/Volume: 1.02 g

Analysis Date: 09/16/2015 1449

Final Weight/Volume: 50 mL

Prep Date: 09/15/2015 0954

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Calcium		111000		178	3000

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-322506

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-322412

Lab File ID: 322411HG1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.66 g

Analysis Date: 09/15/2015 0959

Final Weight/Volume: 50 mL

Prep Date: 09/15/2015 0447

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.21		0.013	0.019

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-8

Lab Sample ID: 460-100972-8

Date Sampled: 09/11/2015 0938

Client Matrix: Solid

% Moisture: 18.4

Date Received: 09/11/2015 1130

6010C Metals (ICP)

Analysis Method: 6010C

Analysis Batch: 460-322700

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 460-322469

Lab File ID: 322345.asc

Dilution: 4.0

Initial Weight/Volume: 1.02 g

Analysis Date: 09/15/2015 1816

Final Weight/Volume: 50 mL

Prep Date: 09/15/2015 0954

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		0.42	U	0.42	2.4
Arsenic		7.4		1.2	3.6
Barium		125		1.7	48.0
Beryllium		0.79		0.41	0.48
Cadmium		0.50	U	0.50	0.96
Cobalt		14.8		1.4	12.0
Chromium		61.2		1.2	2.4
Copper		55.4		1.6	6.0
Manganese		466		1.3	3.6
Nickel		53.0		1.8	9.6
Lead		45.6		0.94	2.4
Antimony		1.9	U	1.9	4.8
Selenium		1.7	U	1.7	4.8
Vanadium		46.2		1.2	12.0
Zinc		163		1.8	7.2
Aluminum		17800		24.7	48.0
Sodium		1270		81.3	1200
Magnesium		9520		59.9	1200
Potassium		2700		36.4	1200
Calcium		41200		71.1	1200
Iron		29000		27.1	36.0
Thallium		2.1	U	2.1	4.8

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-322506

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-322412

Lab File ID: 322411HG1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.62 g

Analysis Date: 09/15/2015 1001

Final Weight/Volume: 50 mL

Prep Date: 09/15/2015 0447

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.11		0.014	0.020

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-9

Lab Sample ID: 460-100972-9

Date Sampled: 09/11/2015 0942

Client Matrix: Solid

% Moisture: 18.5

Date Received: 09/11/2015 1130

6010C Metals (ICP)

Analysis Method: 6010C

Analysis Batch: 460-322700

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 460-322469

Lab File ID: 322345.asc

Dilution: 4.0

Initial Weight/Volume: 1.00 g

Analysis Date: 09/15/2015 1724

Final Weight/Volume: 50 mL

Prep Date: 09/15/2015 0954

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		0.43	U F1	0.43	2.5
Arsenic		10.1		1.2	3.7
Barium		116		1.8	49.1
Beryllium		0.64		0.42	0.49
Cadmium		0.51	U	0.51	0.98
Cobalt		6.5	J	1.4	12.3
Chromium		43.0		1.2	2.5
Copper		37.3		1.6	6.1
Manganese		344		1.3	3.7
Nickel		20.8		1.8	9.8
Lead		42.4		0.96	2.5
Antimony		7.7	F1	1.9	4.9
Selenium		1.7	U	1.7	4.9
Vanadium		35.1	F1	1.2	12.3
Zinc		198	F1	1.8	7.4
Aluminum		12800		25.3	49.1
Sodium		1200	J	83.0	1230
Magnesium		7650		61.2	1230
Potassium		2120		37.2	1230
Iron		16400		27.7	36.8
Thallium		2.2	U	2.2	4.9

Analysis Method: 6010C

Analysis Batch: 460-322700

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 460-322469

Lab File ID: 322345.asc

Dilution: 20

Initial Weight/Volume: 1.00 g

Analysis Date: 09/15/2015 2135

Final Weight/Volume: 50 mL

Prep Date: 09/15/2015 0954

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Calcium		89000		363	6130

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-322506

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-322412

Lab File ID: 322411HG1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.66 g

Analysis Date: 09/15/2015 1003

Final Weight/Volume: 50 mL

Prep Date: 09/15/2015 0447

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.24		0.013	0.019

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-10

Lab Sample ID: 460-100972-10

Date Sampled: 09/11/2015 1001

Client Matrix: Solid

% Moisture: 15.2

Date Received: 09/11/2015 1130

6010C Metals (ICP)

Analysis Method: 6010C

Analysis Batch: 460-322700

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 460-322469

Lab File ID: 322345.asc

Dilution: 4.0

Initial Weight/Volume: 1.03 g

Analysis Date: 09/15/2015 1820

Final Weight/Volume: 50 mL

Prep Date: 09/15/2015 0954

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		0.40	U	0.40	2.3
Arsenic		12.4		1.1	3.4
Barium		147		1.6	45.8
Beryllium		1.3		0.39	0.46
Cadmium		0.70	J	0.48	0.92
Cobalt		12.7		1.3	11.4
Chromium		38.4		1.1	2.3
Copper		43.1		1.5	5.7
Manganese		663		1.2	3.4
Nickel		24.6		1.7	9.2
Lead		37.0		0.90	2.3
Antimony		1.8	U	1.8	4.6
Selenium		1.6	U	1.6	4.6
Vanadium		61.2		1.1	11.4
Zinc		114		1.7	6.9
Aluminum		19500		23.6	45.8
Sodium		924	J	77.5	1140
Magnesium		9360		57.1	1140
Potassium		3530		34.7	1140
Calcium		36000		67.7	1140
Iron		30000		25.9	34.3
Thallium		2.0	U	2.0	4.6

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-322506

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-322412

Lab File ID: 322411HG1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.60 g

Analysis Date: 09/15/2015 1009

Final Weight/Volume: 50 mL

Prep Date: 09/15/2015 0447

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.27		0.014	0.020

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-11

Lab Sample ID: 460-100972-11

Date Sampled: 09/11/2015 1007

Client Matrix: Solid

% Moisture: 16.9

Date Received: 09/11/2015 1130

6010C Metals (ICP)

Analysis Method: 6010C

Analysis Batch: 460-322700

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 460-322469

Lab File ID: 322345.asc

Dilution: 4.0

Initial Weight/Volume: 1.03 g

Analysis Date: 09/15/2015 1823

Final Weight/Volume: 50 mL

Prep Date: 09/15/2015 0954

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		0.41	U	0.41	2.3
Arsenic		11.5		1.1	3.5
Barium		148		1.7	46.7
Beryllium		1.1		0.40	0.47
Cadmium		0.49	U	0.49	0.93
Cobalt		12.5		1.3	11.7
Chromium		34.3		1.1	2.3
Copper		37.9		1.5	5.8
Manganese		693		1.2	3.5
Nickel		23.1		1.7	9.3
Lead		33.9		0.92	2.3
Antimony		1.8	U	1.8	4.7
Selenium		1.6	U	1.6	4.7
Vanadium		59.0		1.2	11.7
Zinc		115		1.7	7.0
Aluminum		18200		24.1	46.7
Sodium		667	J	79.1	1170
Magnesium		7630		58.3	1170
Potassium		3290		35.4	1170
Calcium		28700		69.2	1170
Iron		27700		26.4	35.1
Thallium		2.1	U	2.1	4.7

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-322506

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-322412

Lab File ID: 322411HG1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.64 g

Analysis Date: 09/15/2015 1011

Final Weight/Volume: 50 mL

Prep Date: 09/15/2015 0447

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.096		0.014	0.019

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-12

Lab Sample ID: 460-100972-12

Date Sampled: 09/11/2015 1014

Client Matrix: Solid

% Moisture: 15.3

Date Received: 09/11/2015 1130

6010C Metals (ICP)

Analysis Method: 6010C

Analysis Batch: 460-322700

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 460-322469

Lab File ID: 322345.asc

Dilution: 4.0

Initial Weight/Volume: 1.04 g

Analysis Date: 09/15/2015 1827

Final Weight/Volume: 50 mL

Prep Date: 09/15/2015 0954

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		0.40	U	0.40	2.3
Arsenic		18.6		1.1	3.4
Barium		124		1.6	45.4
Beryllium		1.5		0.38	0.45
Cadmium		0.47	U	0.47	0.91
Cobalt		12.9		1.3	11.3
Chromium		56.0		1.1	2.3
Copper		38.2		1.5	5.7
Manganese		402		1.2	3.4
Nickel		27.6		1.7	9.1
Lead		29.1		0.89	2.3
Antimony		1.8	U	1.8	4.5
Selenium		1.6	U	1.6	4.5
Vanadium		74.4		1.1	11.3
Zinc		101		1.7	6.8
Aluminum		19400		23.4	45.4
Sodium		476	J	76.8	1130
Magnesium		7420		56.6	1130
Potassium		4040		34.4	1130
Calcium		17400		67.2	1130
Iron		39400		25.6	34.0
Thallium		2.0	U	2.0	4.5

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-322506

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-322412

Lab File ID: 322411HG1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.63 g

Analysis Date: 09/15/2015 1013

Final Weight/Volume: 50 mL

Prep Date: 09/15/2015 0447

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.14		0.013	0.019

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-13

Lab Sample ID: 460-100972-13

Date Sampled: 09/11/2015 1030

Client Matrix: Solid

% Moisture: 12.5

Date Received: 09/11/2015 1130

6010C Metals (ICP)

Analysis Method: 6010C

Analysis Batch: 460-322700

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 460-322469

Lab File ID: 322345.asc

Dilution: 4.0

Initial Weight/Volume: 1.03 g

Analysis Date: 09/15/2015 1831

Final Weight/Volume: 50 mL

Prep Date: 09/15/2015 0954

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		0.39	U	0.39	2.2
Arsenic		14.0		1.1	3.3
Barium		77.4		1.6	44.4
Beryllium		1.1		0.38	0.44
Cadmium		0.46	U	0.46	0.89
Cobalt		16.2		1.3	11.1
Chromium		38.9		1.1	2.2
Copper		56.2		1.4	5.5
Manganese		503		1.2	3.3
Nickel		27.0		1.6	8.9
Lead		21.3		0.87	2.2
Antimony		1.8	U	1.8	4.4
Selenium		1.5	U	1.5	4.4
Vanadium		67.9		1.1	11.1
Zinc		80.0		1.6	6.7
Aluminum		16100		22.9	44.4
Sodium		916	J	75.1	1110
Magnesium		9490		55.4	1110
Potassium		3370		33.6	1110
Calcium		14400		65.7	1110
Iron		33400		25.1	33.3
Thallium		2.0	U	2.0	4.4

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-322753

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-322635

Lab File ID: 322635HG1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.67 g

Analysis Date: 09/16/2015 0841

Final Weight/Volume: 50 mL

Prep Date: 09/16/2015 0420

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.061		0.012	0.017

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Client Sample ID: WC-14

Lab Sample ID: 460-100972-14

Date Sampled: 09/11/2015 1037

Client Matrix: Solid

% Moisture: 16.9

Date Received: 09/11/2015 1130

6010C Metals (ICP)

Analysis Method: 6010C

Analysis Batch: 460-322700

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 460-322469

Lab File ID: 322345.asc

Dilution: 4.0

Initial Weight/Volume: 1.03 g

Analysis Date: 09/15/2015 1846

Final Weight/Volume: 50 mL

Prep Date: 09/15/2015 0954

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		0.41	U	0.41	2.3
Arsenic		11.5		1.1	3.5
Barium		124		1.7	46.8
Beryllium		1.1		0.40	0.47
Cadmium		0.49	U	0.49	0.94
Cobalt		12.5		1.3	11.7
Chromium		36.8		1.1	2.3
Copper		52.6		1.5	5.8
Manganese		561		1.2	3.5
Nickel		23.5		1.7	9.4
Lead		30.8		0.92	2.3
Antimony		1.8	U	1.8	4.7
Selenium		1.6	U	1.6	4.7
Vanadium		55.0		1.2	11.7
Zinc		128		1.7	7.0
Aluminum		17200		24.1	46.8
Sodium		786	J	79.1	1170
Magnesium		8450		58.3	1170
Potassium		3460		35.4	1170
Calcium		26000		69.2	1170
Iron		29200		26.4	35.1
Thallium		2.1	U	2.1	4.7

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-322753

Instrument ID: LEEMAN5

Prep Method: 7471B

Prep Batch: 460-322635

Lab File ID: 322635HG1.PRN

Dilution: 1.0

Initial Weight/Volume: 0.64 g

Analysis Date: 09/16/2015 0834

Final Weight/Volume: 50 mL

Prep Date: 09/16/2015 0420

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.14		0.014	0.019

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

General Chemistry

Client Sample ID: WC-1

Lab Sample ID: 460-100972-1

Client Matrix: Solid

Date Sampled: 09/11/2015 0831

Date Received: 09/11/2015 1130

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	16.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-322080	Analysis Date: 09/12/2015	1004				DryWt Corrected: N
Percent Solids	83.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-322080	Analysis Date: 09/12/2015	1004				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

General Chemistry

Client Sample ID: WC-2

Lab Sample ID: 460-100972-2

Date Sampled: 09/11/2015 0839

Client Matrix: Solid

Date Received: 09/11/2015 1130

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	16.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-322080	Analysis Date: 09/12/2015	1004				DryWt Corrected: N
Percent Solids	83.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-322080	Analysis Date: 09/12/2015	1004				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

General Chemistry

Client Sample ID: WC-3

Lab Sample ID: 460-100972-3

Client Matrix: Solid

Date Sampled: 09/11/2015 0842

Date Received: 09/11/2015 1130

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	15.9		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-322080	Analysis Date: 09/12/2015	1004				DryWt Corrected: N
Percent Solids	84.1		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-322080	Analysis Date: 09/12/2015	1004				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

General Chemistry

Client Sample ID: WC-4

Lab Sample ID: 460-100972-4

Client Matrix: Solid

Date Sampled: 09/11/2015 0901

Date Received: 09/11/2015 1130

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	16.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-322080	Analysis Date: 09/12/2015	1004				DryWt Corrected: N
Percent Solids	83.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-322080	Analysis Date: 09/12/2015	1004				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

General Chemistry

Client Sample ID: WC-5

Lab Sample ID: 460-100972-5

Client Matrix: Solid

Date Sampled: 09/11/2015 0907

Date Received: 09/11/2015 1130

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	15.9		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-322080	Analysis Date: 09/12/2015	1004				DryWt Corrected: N
Percent Solids	84.1		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-322080	Analysis Date: 09/12/2015	1004				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

General Chemistry

Client Sample ID: WC-6

Lab Sample ID: 460-100972-6

Client Matrix: Solid

Date Sampled: 09/11/2015 0915

Date Received: 09/11/2015 1130

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	19.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-322094	Analysis Date: 09/12/2015	1108				DryWt Corrected: N
Percent Solids	80.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-322094	Analysis Date: 09/12/2015	1108				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

General Chemistry

Client Sample ID: WC-7

Lab Sample ID: 460-100972-7

Client Matrix: Solid

Date Sampled: 09/11/2015 0921

Date Received: 09/11/2015 1130

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	18.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-322094	Analysis Date: 09/12/2015	1108				DryWt Corrected: N
Percent Solids	81.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-322094	Analysis Date: 09/12/2015	1108				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

General Chemistry

Client Sample ID: WC-8

Lab Sample ID: 460-100972-8

Client Matrix: Solid

Date Sampled: 09/11/2015 0938

Date Received: 09/11/2015 1130

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	18.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-322094	Analysis Date: 09/12/2015	1108				DryWt Corrected: N
Percent Solids	81.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-322094	Analysis Date: 09/12/2015	1108				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

General Chemistry

Client Sample ID: WC-9

Lab Sample ID: 460-100972-9

Client Matrix: Solid

Date Sampled: 09/11/2015 0942

Date Received: 09/11/2015 1130

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	18.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-322094	Analysis Date: 09/12/2015	1108				DryWt Corrected: N
Percent Solids	81.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-322094	Analysis Date: 09/12/2015	1108				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

General Chemistry

Client Sample ID: WC-10

Lab Sample ID: 460-100972-10

Client Matrix: Solid

Date Sampled: 09/11/2015 1001

Date Received: 09/11/2015 1130

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	15.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-322094	Analysis Date: 09/12/2015	1108				DryWt Corrected: N
Percent Solids	84.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-322094	Analysis Date: 09/12/2015	1108				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

General Chemistry

Client Sample ID: WC-11

Lab Sample ID: 460-100972-11

Client Matrix: Solid

Date Sampled: 09/11/2015 1007

Date Received: 09/11/2015 1130

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	16.9		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-322094	Analysis Date: 09/12/2015	1108				DryWt Corrected: N
Percent Solids	83.1		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-322094	Analysis Date: 09/12/2015	1108				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

General Chemistry

Client Sample ID: WC-12

Lab Sample ID: 460-100972-12

Client Matrix: Solid

Date Sampled: 09/11/2015 1014

Date Received: 09/11/2015 1130

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	15.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-322094	Analysis Date: 09/12/2015	1108				DryWt Corrected: N
Percent Solids	84.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-322094	Analysis Date: 09/12/2015	1108				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

General Chemistry

Client Sample ID: WC-13

Lab Sample ID: 460-100972-13

Client Matrix: Solid

Date Sampled: 09/11/2015 1030

Date Received: 09/11/2015 1130

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	12.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-322101	Analysis Date: 09/12/2015	1245				DryWt Corrected: N
Percent Solids	87.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-322101	Analysis Date: 09/12/2015	1245				DryWt Corrected: N

Analytical Data

Client: EcolSciences, Inc.

Job Number: 460-100972-1

General Chemistry

Client Sample ID: WC-14

Lab Sample ID: 460-100972-14

Client Matrix: Solid

Date Sampled: 09/11/2015 1037

Date Received: 09/11/2015 1130

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Percent Moisture	16.9		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-322101	Analysis Date: 09/12/2015	1245				DryWt Corrected: N
Percent Solids	83.1		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-322101	Analysis Date: 09/12/2015	1245				DryWt Corrected: N

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Surrogate Recovery Report

8270D Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	NBZ %Rec	FBP %Rec	TPH %Rec
460-100972-1	WC-1	60	73	54
460-100972-2	WC-2	55	66	49
460-100972-3	WC-3	87	104	91
460-100972-4	WC-4	65	77	54
460-100972-5	WC-5	57	70	48
460-100972-6	WC-6	62	75	51
460-100972-7	WC-7	61	71	62
460-100972-8	WC-8	63	73	50
460-100972-9	WC-9	54	60	47
460-100972-10	WC-10	62	78	68
460-100972-11	WC-11	64	78	55
460-100972-12	WC-12	61	72	73
460-100972-13	WC-13	53	58	42
460-100972-14	WC-14	57	63	52
MB 460-322274/1-A		74	81	99
MB 460-322460/1-A		73	79	91
LCS 460-322274/3-A		74	85	95
LCS 460-322460/3-A		70	78	80
460-100972-12 MS	WC-12 MS	60	73	73
460-100738-F-9-C MS		44	49	54
460-100972-12 MSD	WC-12 MSD	64	78	71
460-100738-F-9-D MSD		56	61	67

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: 460-100972-1

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
460-100972-1	WC-1	111	111	115	111
460-100972-2	WC-2	106	104	114	105
460-100972-3	WC-3	108	106	116	108
460-100972-4	WC-4	100	98	104	99
460-100972-5	WC-5	96	95	106	96
460-100972-6	WC-6	108	106	115	108
460-100972-7	WC-7	102	100	107	101
460-100972-8	WC-8	102	101	108	101
460-100972-9	WC-9	104	102	114	107
460-100972-10	WC-10	97	96	102	97
460-100972-11	WC-11	106	107	108	103
460-100972-12	WC-12	104	103	111	101
460-100972-13	WC-13	106	105	113	107
460-100972-14	WC-14	102	99	106	100
MB 460-322399/1-A		107	105	118	110
LCS 460-322399/2-A		111	108	116	107
460-100972-1 MS	WC-1 MS	96	96	100	95
460-100972-1 MSD	WC-1 MSD	119	117	124	117

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

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Method Blank - Batch: 460-322274

Method: 8270D Preparation: 3546

Lab Sample ID: MB 460-322274/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/15/2015 0440
Prep Date: 09/14/2015 0846
Leach Date: N/A

Analysis Batch: 460-322389
Prep Batch: 460-322274
Leach Batch: N/A
Units: mg/Kg

Instrument ID: CBNAMS11
Lab File ID: z36327.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	74	30 - 130
Terphenyl-d14	99	30 - 130
2-Fluorobiphenyl	81	30 - 130

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Lab Control Sample - Batch: 460-322274

Method: 8270D
Preparation: 3546

Lab Sample ID:	LCS 460-322274/3-A	Analysis Batch:	460-322389	Instrument ID:	CBNAMs11
Client Matrix:	Solid	Prep Batch:	460-322274	Lab File ID:	z36329.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	09/15/2015 0526	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/14/2015 0846			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Naphthalene	3.33	2.64	79	70 - 130	
2-Methylnaphthalene	3.33	2.80	84	70 - 130	
Acenaphthylene	3.33	2.85	85	70 - 130	
Acenaphthene	3.33	2.69	81	70 - 130	
Fluorene	3.33	2.82	85	70 - 130	
Phenanthrene	3.33	2.86	86	70 - 130	
Anthracene	3.33	2.93	88	70 - 130	
Fluoranthene	3.33	2.73	82	70 - 130	
Pyrene	3.33	3.09	93	70 - 130	
Benzo[a]anthracene	3.33	2.93	88	70 - 130	
Chrysene	3.33	3.08	92	70 - 130	
Benzo[b]fluoranthene	3.33	3.21	96	70 - 130	
Benzo[k]fluoranthene	3.33	2.98	90	70 - 130	
Benzo[a]pyrene	3.33	3.19	96	70 - 130	
Indeno[1,2,3-cd]pyrene	3.33	2.94	88	70 - 130	
Dibenz(a,h)anthracene	3.33	2.90	87	70 - 130	
Benzo[g,h,i]perylene	3.33	2.92	88	70 - 130	
Surrogate	% Rec		Acceptance Limits		
Nitrobenzene-d5	74		30 - 130		
Terphenyl-d14	95		30 - 130		
2-Fluorobiphenyl	85		30 - 130		

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-322274

Method: 8270D
Preparation: 3546

MS Lab Sample ID: 460-100972-12
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/15/2015 0549
Prep Date: 09/14/2015 0846
Leach Date: N/A

Analysis Batch: 460-322389
Prep Batch: 460-322274
Leach Batch: N/A

Instrument ID: CBNAMS11
Lab File ID: z36330.D
Initial Weight/Volume: 15.0126 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

MSD Lab Sample ID: 460-100972-12
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/15/2015 0612
Prep Date: 09/14/2015 0846
Leach Date: N/A

Analysis Batch: 460-322389
Prep Batch: 460-322274
Leach Batch: N/A

Instrument ID: CBNAMS11
Lab File ID: z36331.D
Initial Weight/Volume: 15.0424 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Naphthalene	63	67	70 - 130	6	30	F1	F1
2-Methylnaphthalene	66	67	70 - 130	2	30	F1	F1
Acenaphthylene	69	72	70 - 130	4	30	F1	
Acenaphthene	60	63	70 - 130	5	30	F1	F1
Fluorene	64	66	70 - 130	3	30	F1	F1
Phenanthrene	48	64	70 - 130	17	30	F1	F1
Anthracene	60	67	70 - 130	9	30	F1	F1
Fluoranthene	29	57	70 - 130	24	30	F1	F1
Pyrene	43	56	70 - 130	11	30	F1	F1
Benzo[a]anthracene	55	67	70 - 130	12	30	F1	F1
Chrysene	58	72	70 - 130	14	30	F1	
Benzo[b]fluoranthene	53	70	70 - 130	18	30	F1	
Benzo[k]fluoranthene	65	64	70 - 130	2	30	F1	F1
Benzo[a]pyrene	64	75	70 - 130	11	30	F1	
Indeno[1,2,3-cd]pyrene	72	86	70 - 130	14	30		
Dibenz(a,h)anthracene	76	85	70 - 130	11	30		
Benzo[g,h,i]perylene	77	96	70 - 130	18	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
Nitrobenzene-d5	60		64	30 - 130			
Terphenyl-d14	73		71	30 - 130			
2-Fluorobiphenyl	73		78	30 - 130			

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-322274

Method: 8270D
Preparation: 3546

MS Lab Sample ID: 460-100972-12 Units: mg/Kg
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/15/2015 0549
Prep Date: 09/14/2015 0846
Leach Date: N/A

MSD Lab Sample ID: 460-100972-12
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/15/2015 0612
Prep Date: 09/14/2015 0846
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Naphthalene	0.031	J	3.93	3.92	2.51	F1	2.65	F1
2-Methylnaphthalene	0.020	J	3.93	3.92	2.61	F1	2.66	F1
Acenaphthylene	0.010	U	3.93	3.92	2.72	F1	2.84	
Acenaphthene	0.16	J	3.93	3.92	2.51	F1	2.64	F1
Fluorene	0.13	J	3.93	3.92	2.63	F1	2.72	F1
Phenanthrene	1.7		3.93	3.92	3.57	F1	4.23	F1
Anthracene	0.53		3.93	3.92	2.89	F1	3.16	F1
Fluoranthene	3.0		3.93	3.92	4.12	F1	5.23	F1
Pyrene	2.6		3.93	3.92	4.25	F1	4.74	F1
Benzo[a]anthracene	1.3		3.93	3.92	3.48	F1	3.95	F1
Chrysene	1.4		3.93	3.92	3.68	F1	4.23	
Benzo[b]fluoranthene	1.4		3.93	3.92	3.52	F1	4.19	
Benzo[k]fluoranthene	0.52		3.93	3.92	3.09	F1	3.04	F1
Benzo[a]pyrene	1.0		3.93	3.92	3.51	F1	3.93	
Indeno[1,2,3-cd]pyrene	0.76		3.93	3.92	3.61		4.15	
Dibenz(a,h)anthracene	0.21		3.93	3.92	3.18		3.56	
Benzo[g,h,i]perylene	0.64		3.93	3.92	3.67		4.39	

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Method Blank - Batch: 460-322460

Method: 8270D Preparation: 3546

Lab Sample ID: MB 460-322460/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/15/2015 1734
Prep Date: 09/15/2015 0939
Leach Date: N/A

Analysis Batch: 460-322563
Prep Batch: 460-322460
Leach Batch: N/A
Units: mg/Kg

Instrument ID: CBNAMS12
Lab File ID: L125765.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	73	30 - 130
Terphenyl-d14	91	30 - 130
2-Fluorobiphenyl	79	30 - 130

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Lab Control Sample - Batch: 460-322460

Method: 8270D
Preparation: 3546

Lab Sample ID:	LCS 460-322460/3-A	Analysis Batch:	460-322632	Instrument ID:	CBNAMS12
Client Matrix:	Solid	Prep Batch:	460-322460	Lab File ID:	L125809.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	09/16/2015 1247	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/15/2015 0939			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Naphthalene	3.33	2.36	71	70 - 130	
2-Methylnaphthalene	3.33	2.34	70	70 - 130	
Acenaphthylene	3.33	2.50	75	70 - 130	
Acenaphthene	3.33	2.28	69	70 - 130	*
Fluorene	3.33	2.33	70	70 - 130	
Phenanthrene	3.33	2.48	74	70 - 130	
Anthracene	3.33	2.49	75	70 - 130	
Fluoranthene	3.33	2.51	75	70 - 130	
Pyrene	3.33	2.41	72	70 - 130	
Benzo[a]anthracene	3.33	2.47	74	70 - 130	
Chrysene	3.33	2.60	78	70 - 130	
Benzo[b]fluoranthene	3.33	2.75	82	70 - 130	
Benzo[k]fluoranthene	3.33	2.55	77	70 - 130	
Benzo[a]pyrene	3.33	2.70	81	70 - 130	
Indeno[1,2,3-cd]pyrene	3.33	2.52	75	70 - 130	
Dibenz(a,h)anthracene	3.33	2.44	73	70 - 130	
Benzo[g,h,i]perylene	3.33	2.50	75	70 - 130	
Surrogate	% Rec		Acceptance Limits		
Nitrobenzene-d5	70		30 - 130		
Terphenyl-d14	80		30 - 130		
2-Fluorobiphenyl	78		30 - 130		

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-322460

Method: 8270D
Preparation: 3546

MS Lab Sample ID: 460-100738-F-9-C MS	Analysis Batch: 460-322563	Instrument ID: CBNAMS12
Client Matrix: Solid	Prep Batch: 460-322460	Lab File ID: L125773.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0231 g
Analysis Date: 09/15/2015 2057		Final Weight/Volume: 1 mL
Prep Date: 09/15/2015 0939		Injection Volume: 1 uL
Leach Date: N/A		

MSD Lab Sample ID: 460-100738-F-9-D MSD	Analysis Batch: 460-322563	Instrument ID: CBNAMS12
Client Matrix: Solid	Prep Batch: 460-322460	Lab File ID: L125774.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0493 g
Analysis Date: 09/15/2015 2122		Final Weight/Volume: 1 mL
Prep Date: 09/15/2015 0939		Injection Volume: 1 uL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Naphthalene	42	52	70 - 130	20	30	F1	F1
2-Methylnaphthalene	42	52	70 - 130	20	30	F1	F1
Acenaphthylene	45	56	70 - 130	21	30	F1	F1
Acenaphthene	41	51	70 - 130	21	30	F1 *	F1 *
Fluorene	43	53	70 - 130	21	30	F1	F1
Phenanthrene	45	55	70 - 130	20	30	F1	F1
Anthracene	45	54	70 - 130	20	30	F1	F1
Fluoranthene	45	57	70 - 130	23	30	F1	F1
Pyrene	46	56	70 - 130	18	30	F1	F1
Benzo[a]anthracene	45	55	70 - 130	20	30	F1	F1
Chrysene	48	58	70 - 130	19	30	F1	F1
Benzo[b]fluoranthene	49	60	70 - 130	20	30	F1	F1
Benzo[k]fluoranthene	47	60	70 - 130	23	30	F1	F1
Benzo[a]pyrene	48	60	70 - 130	21	30	F1	F1
Indeno[1,2,3-cd]pyrene	41	47	70 - 130	14	30	F1	F1
Dibenz(a,h)anthracene	43	51	70 - 130	17	30	F1	F1
Benzo[g,h,i]perylene	44	51	70 - 130	15	30	F1	F1
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
Nitrobenzene-d5	44		56	30 - 130			
Terphenyl-d14	54		67	30 - 130			
2-Fluorobiphenyl	49		61	30 - 130			

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-322460

Method: 8270D
Preparation: 3546

MS Lab Sample ID: 460-100738-F-9-C MS Units: mg/Kg
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/15/2015 2057
Prep Date: 09/15/2015 0939
Leach Date: N/A

MSD Lab Sample ID: 460-100738-F-9-D MSD
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/15/2015 2122
Prep Date: 09/15/2015 0939
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Naphthalene	0.0084	U	3.33	3.32	1.41	F1	1.73	F1
2-Methylnaphthalene	0.0073	U	3.33	3.32	1.41	F1	1.73	F1
Acenaphthylene	0.0085	U	3.33	3.32	1.49	F1	1.85	F1
Acenaphthene	0.0080	U	3.33	3.32	1.37	F1 *	1.70	F1 *
Fluorene	0.0072	U	3.33	3.32	1.44	F1	1.78	F1
Phenanthrene	0.0088	U	3.33	3.32	1.49	F1	1.82	F1
Anthracene	0.031	U	3.33	3.32	1.49	F1	1.81	F1
Fluoranthene	0.0098	U	3.33	3.32	1.49	F1	1.89	F1
Pyrene	0.015	U	3.33	3.32	1.55	F1	1.85	F1
Benzo[a]anthracene	0.028	U	3.33	3.32	1.49	F1	1.82	F1
Chrysene	0.0090	U	3.33	3.32	1.59	F1	1.93	F1
Benzo[b]fluoranthene	0.013	U	3.33	3.32	1.62	F1	1.98	F1
Benzo[k]fluoranthene	0.014	U	3.33	3.32	1.57	F1	1.98	F1
Benzo[a]pyrene	0.010	U	3.33	3.32	1.61	F1	1.98	F1
Indeno[1,2,3-cd]pyrene	0.022	U	3.33	3.32	1.35	F1	1.55	F1
Dibenz(a,h)anthracene	0.017	U	3.33	3.32	1.44	F1	1.70	F1
Benzo[g,h,i]perylene	0.019	U	3.33	3.32	1.45	F1	1.68	F1

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Method Blank - Batch: 460-322399

Method: 8082A Preparation: 3546

Lab Sample ID: MB 460-322399/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/15/2015 1633
Prep Date: 09/15/2015 0235
Leach Date: N/A

Analysis Batch: 460-322579
Prep Batch: 460-322399
Leach Batch: N/A
Units: mg/Kg

Instrument ID: CPESTGC11
Lab File ID: T1309378.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	118	30 - 150
Tetrachloro-m-xylene	107	30 - 150

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	110	30 - 150
Tetrachloro-m-xylene	105	30 - 150

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Lab Control Sample - Batch: 460-322399

Method: 8082A
Preparation: 3546

Lab Sample ID:	LCS 460-322399/2-A	Analysis Batch:	460-322579	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-322399	Lab File ID:	T1309379.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	09/15/2015 1648	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/15/2015 0235			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	0.333	0.378	113	40 - 140	
Aroclor 1260	0.333	0.425	127	40 - 140	
Surrogate	% Rec		Acceptance Limits		
DCB Decachlorobiphenyl		116		30 - 150	
Tetrachloro-m-xylene		111		30 - 150	

Lab Control Sample - Batch: 460-322399

Method: 8082A
Preparation: 3546

Lab Sample ID:	LCS 460-322399/2-A	Analysis Batch:	460-322579	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-322399	Lab File ID:	T1309379.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	09/15/2015 1648	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	09/15/2015 0235			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	0.333	0.372	112	40 - 140	
Aroclor 1260	0.333	0.413	124	40 - 140	
Surrogate	% Rec		Acceptance Limits		
DCB Decachlorobiphenyl		107		30 - 150	
Tetrachloro-m-xylene		108		30 - 150	

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-322399

Method: 8082A
Preparation: 3546

MS Lab Sample ID: 460-100972-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/15/2015 1702
Prep Date: 09/15/2015 0235
Leach Date: N/A

Analysis Batch: 460-322579
Prep Batch: 460-322399
Leach Batch: N/A

Instrument ID: CPESTGC11
Lab File ID: T1309380.D
Initial Weight/Volume: 15.0020 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

MSD Lab Sample ID: 460-100972-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/15/2015 1717
Prep Date: 09/15/2015 0235
Leach Date: N/A

Analysis Batch: 460-322579
Prep Batch: 460-322399
Leach Batch: N/A

Instrument ID: CPESTGC11
Lab File ID: T1309381.D
Initial Weight/Volume: 15.0059 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	99	119	40 - 140	18	30		
Aroclor 1260	112	133	40 - 140	17	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	100		124	30 - 150			
Tetrachloro-m-xylene	96		119	30 - 150			

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-322399

Method: 8082A
Preparation: 3546

MS Lab Sample ID: 460-100972-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/15/2015 1702
Prep Date: 09/15/2015 0235
Leach Date: N/A

Analysis Batch: 460-322579
Prep Batch: 460-322399
Leach Batch: N/A

Instrument ID: CPESTGC11
Lab File ID: T1309380.D
Initial Weight/Volume: 15.0020 g
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: SECONDARY

MSD Lab Sample ID: 460-100972-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/15/2015 1717
Prep Date: 09/15/2015 0235
Leach Date: N/A

Analysis Batch: 460-322579
Prep Batch: 460-322399
Leach Batch: N/A

Instrument ID: CPESTGC11
Lab File ID: T1309381.D
Initial Weight/Volume: 15.0059 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	98	117	40 - 140	18	30		
Aroclor 1260	111	132	40 - 140	17	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	95		117	30 - 150			
Tetrachloro-m-xylene	96		117	30 - 150			

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-322399

Method: 8082A
Preparation: 3546

MS Lab Sample ID: 460-100972-1 Units: mg/Kg
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/15/2015 1702
Prep Date: 09/15/2015 0235
Leach Date: N/A

MSD Lab Sample ID: 460-100972-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/15/2015 1717
Prep Date: 09/15/2015 0235
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Aroclor 1016	0.011	U	0.400	0.400	0.398	0.474
Aroclor 1260	0.011	U	0.400	0.400	0.447	0.533

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-322399

Method: 8082A
Preparation: 3546

MS Lab Sample ID: 460-100972-1 Units: mg/Kg
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/15/2015 1702
Prep Date: 09/15/2015 0235
Leach Date: N/A

MSD Lab Sample ID: 460-100972-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/15/2015 1717
Prep Date: 09/15/2015 0235
Leach Date: N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Aroclor 1016	0.011	U	0.400	0.400	0.392	0.467
Aroclor 1260	0.011	U	0.400	0.400	0.446	0.529

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Method Blank - Batch: 460-322001

Method: 6010C

Preparation: 3050B

Lab Sample ID: MB 460-322001/1-A ^2
Client Matrix: Solid
Dilution: 2.0
Analysis Date: 09/13/2015 1714
Prep Date: 09/11/2015 1707
Leach Date: N/A

Analysis Batch: 460-322199
Prep Batch: 460-322001
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP5
Lab File ID: 09132015.asc
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Silver	0.18	U	0.18	1.0
Arsenic	0.49	U	0.49	1.5
Barium	0.72	U	0.72	20.0
Beryllium	0.17	U	0.17	0.20
Cadmium	0.21	U	0.21	0.40
Cobalt	0.58	U	0.58	5.0
Chromium	0.48	U	0.48	1.0
Manganese	0.53	U	0.53	1.5
Nickel	0.73	U	0.73	4.0
Lead	0.39	U	0.39	1.0
Antimony	0.79	U	0.79	2.0
Selenium	0.69	U	0.69	2.0
Vanadium	0.50	U	0.50	5.0
Zinc	0.73	U	0.73	3.0
Aluminum	10.3	U	10.3	20.0
Sodium	33.9	U	33.9	500
Magnesium	25.0	U	25.0	500
Potassium	15.2	U	15.2	500
Calcium	29.6	U	29.6	500
Iron	11.3	U	11.3	15.0
Thallium	0.89	U	0.89	2.0

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

LCS-Certified Reference Material - Batch: 460-322001

Method: 6010C

Preparation: 3050B

Lab Sample ID:	LCSSRM 460-322001/2- ~~A~~	Analysis Batch:	460-322199	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-322001	Lab File ID:	09132015.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	09/13/2015 1659	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/11/2015 1707				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	40.9	38.20	93.4	75.1 - 124.7	
Arsenic	98.5	97.29	98.8	77.8 - 122.8	
Barium	308	323.9	105.2	82.5 - 117.5	
Beryllium	66.0	67.69	102.6	83.0 - 116.8	
Cadmium	146	147.5	101.0	82.9 - 117.8	
Cobalt	162	171.7	106.0	83.3 - 116.0	
Chromium	182	185.7	102.1	79.7 - 120.3	
Manganese	410	425.5	103.8	81.2 - 119.0	
Nickel	149	161.4	108.3	82.6 - 117.4	
Lead	130	136.7	105.1	82.3 - 117.7	
Antimony	105	51.00	48.6	0.1 - 201.0	
Selenium	154	149.5	97.1	77.9 - 122.1	
Vanadium	96.7	96.31	99.6	77.2 - 123.1	
Zinc	191	206.9	108.3	83.2 - 116.8	
Aluminum	7930	7202	90.8	50.2 - 150.1	
Sodium	2480	2527	101.9	70.6 - 129.0	
Magnesium	2640	2502	94.8	75.8 - 124.6	
Potassium	2550	2412	94.6	69.0 - 130.6	
Calcium	6610	6490	98.2	83.7 - 116.2	
Iron	14400	14050	97.6	44.1 - 155.6	
Thallium	175	191.5	109.4	78.3 - 121.1	

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Post Digestion Spike - Batch: 460-322001

Method: 6010C

Preparation: 3050B

Lab Sample ID:	460-100972-3	Analysis Batch:	460-322199	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-322001	Lab File ID:	09132015.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.12 g
Analysis Date:	09/13/2015 1633	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/11/2015 1707				
Leach Date:	N/A				

Analyte	Sample	Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Silver	0.37	U	10.6	10.99	104	80 - 120	
Arsenic	18.8		425	430.1	97	80 - 120	
Barium	166		425	579.5	97	80 - 120	
Beryllium	0.49		10.6	11.18	101	80 - 120	
Cadmium	0.44	U	10.6	10.24	96	80 - 120	
Cobalt	8.6	J	106	111.4	97	80 - 120	
Chromium	56.6		42.5	97.88	97	80 - 120	
Manganese	587		106	683.9	91	80 - 120	
Nickel	24.8		106	128.1	97	80 - 120	
Lead	34.5		106	136.9	96	80 - 120	
Antimony	1.7	U	106	99.85	94	80 - 120	
Selenium	1.5	U	425	409.3	96	80 - 120	
Vanadium	35.3		106	140.9	99	80 - 120	
Zinc	173		106	271.9	94	80 - 120	
Aluminum	18800		425	19120	NC	80 - 120	
Sodium	3570		4250	7854	101	80 - 120	
Magnesium	11000		4250	14860	92	80 - 120	
Potassium	4100		4250	8039	93	80 - 120	
Iron	19400		212	19420	NC	80 - 120	
Thallium	1.9	U	425	413.1	97	80 - 120	

Matrix Spike - Batch: 460-322001

Method: 6010C

Preparation: 3050B

Lab Sample ID:	460-100972-3	Analysis Batch:	460-322199	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-322001	Lab File ID:	09132015.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.22 g
Analysis Date:	09/13/2015 1636	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/11/2015 1707				
Leach Date:	N/A				

Analyte	Sample	Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Silver	0.37	U	4.87	5.30	109	75 - 125	
Arsenic	18.8		195	194.4	90	75 - 125	
Barium	166		195	343.2	91	75 - 125	
Beryllium	0.49		4.87	5.50	103	75 - 125	
Cadmium	0.44	U	4.87	4.83	99	75 - 125	
Cobalt	8.6	J	48.7	56.22	98	75 - 125	
Chromium	56.6		19.5	57.68	5	75 - 125	F1

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Matrix Spike - Batch: 460-322001

Method: 6010C
Preparation: 3050B

Lab Sample ID:	460-100972-3	Analysis Batch:	460-322199	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-322001	Lab File ID:	09132015.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.22 g
Analysis Date:	09/13/2015 1636	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/11/2015 1707				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Manganese	587	48.7	614.6	57	75 - 125	4
Nickel	24.8	48.7	71.44	96	75 - 125	
Lead	34.5	48.7	85.84	105	75 - 125	
Antimony	1.7 U	48.7	18.80	39	75 - 125	F1
Selenium	1.5 U	195	185.9	95	75 - 125	
Vanadium	35.3	48.7	82.22	96	75 - 125	
Zinc	173	48.7	208.7	74	75 - 125	F1
Aluminum	18800	195	17510	-650	75 - 125	4
Sodium	3570	1950	3375	-10	75 - 125	F1
Magnesium	11000	1950	11840	44	75 - 125	4
Potassium	4100	1950	5002	46	75 - 125	F1
Iron	19400	97.4	18210	-1242	75 - 125	4
Thallium	1.9 U	195	191.6	98	75 - 125	

Post Digestion Spike - Batch: 460-322001

Method: 6010C
Preparation: 3050B

Lab Sample ID:	460-100972-3	Analysis Batch:	460-322199	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-322001	Lab File ID:	09132015.asc
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	1.12 g
Analysis Date:	09/13/2015 2057	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/11/2015 1707				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Calcium	78300	10600	89260	104	80 - 120	

Matrix Spike - Batch: 460-322001

Method: 6010C
Preparation: 3050B

Lab Sample ID:	460-100972-3	Analysis Batch:	460-322199	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-322001	Lab File ID:	09132015.asc
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	1.22 g
Analysis Date:	09/13/2015 2101	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/11/2015 1707				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Calcium	78300	1950	75660	-134	75 - 125	4

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Matrix Spike - Batch: 460-322001

Method: 6010C

Preparation: 3050B

Lab Sample ID:	460-100972-3	Analysis Batch:	460-322199	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-322001	Lab File ID:	09132015.asc
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	1.22 g
Analysis Date:	09/13/2015 2101	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/11/2015 1707				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Duplicate - Batch: 460-322001

Method: 6010C
Preparation: 3050B

Lab Sample ID: 460-100972-3
Client Matrix: Solid
Dilution: 4.0
Analysis Date: 09/13/2015 1640
Prep Date: 09/11/2015 1707
Leach Date: N/A

Analysis Batch: 460-322199
Prep Batch: 460-322001
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP5
Lab File ID: 09132015.asc
Initial Weight/Volume: 1.13 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Silver	0.37	U	0.37	NC	35	U
Arsenic	18.8		6.53	97	35	F3
Barium	166		168.8	2	35	
Beryllium	0.49		0.489	0.3	35	
Cadmium	0.44	U	0.44	NC	35	U
Cobalt	8.6	J	9.87	14	35	J
Chromium	56.6		40.84	32	35	
Manganese	587		585.1	0.3	35	
Nickel	24.8		25.08	1	35	
Lead	34.5		39.36	13	35	
Antimony	1.7	U	1.7	NC	35	U
Selenium	1.5	U	1.5	NC	35	U
Vanadium	35.3		34.21	3	35	
Zinc	173		208.9	19	35	
Aluminum	18800		18550	1	35	
Sodium	3570		1587	77	35	F3
Magnesium	11000		11090	1	35	
Potassium	4100		3562	14	35	
Iron	19400		22340	14	35	
Thallium	1.9	U	1.9	NC	35	U

Serial Dilution - Batch: 460-322001

Method: 6010C
Preparation: 3050B

Lab Sample ID: 460-100972-3
Client Matrix: Solid
Dilution: 20
Analysis Date: 09/13/2015 1647
Prep Date: 09/11/2015 1707
Leach Date: N/A

Analysis Batch: 460-322199
Prep Batch: 460-322001
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP5
Lab File ID: 09132015.asc
Initial Weight/Volume: 1.12 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Silver	0.37	U	1.9	NC	10	U
Arsenic	18.8		19.23	NC	10	
Barium	166		166.6	NC	10	J
Beryllium	0.49		1.8	NC	10	U
Cadmium	0.44	U	2.2	NC	10	U
Cobalt	8.6	J	8.76	NC	10	J
Chromium	56.6		56.76	NC	10	
Manganese	587		595.1	1.4	10	
Nickel	24.8		25.91	NC	10	J

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Serial Dilution - Batch: 460-322001

Method: 6010C
Preparation: 3050B

Lab Sample ID:	460-100972-3	Analysis Batch:	460-322199	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-322001	Lab File ID:	09132015.asc
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	1.12 g
Analysis Date:	09/13/2015 1647	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/11/2015 1707				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Lead	34.5	33.18	NC	10	
Antimony	1.7 U	8.4	NC	10	U
Selenium	1.5 U	7.3	NC	10	U
Vanadium	35.3	34.89	NC	10	J
Zinc	173	178.5	NC	10	
Aluminum	18800	18610	0.88	10	
Sodium	3570	3598	NC	10	J
Magnesium	11000	11300	NC	10	
Potassium	4100	4073	NC	10	J
Iron	19400	20200	4.0	10	
Thallium	1.9 U	9.4	NC	10	U

Duplicate - Batch: 460-322001

Method: 6010C
Preparation: 3050B

Lab Sample ID:	460-100972-3	Analysis Batch:	460-322199	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-322001	Lab File ID:	09132015.asc
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	1.13 g
Analysis Date:	09/13/2015 2105	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/11/2015 1707				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Calcium	78300	80690	3	35	

Serial Dilution - Batch: 460-322001

Method: 6010C
Preparation: 3050B

Lab Sample ID:	460-100972-3	Analysis Batch:	460-322199	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-322001	Lab File ID:	09132015.asc
Dilution:	50	Leach Batch:	N/A	Initial Weight/Volume:	1.12 g
Analysis Date:	09/13/2015 2123	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/11/2015 1707				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Calcium	78300	76870	NC	10	

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Method Blank - Batch: 460-322469

Method: 6010C

Preparation: 3050B

Lab Sample ID: MB 460-322469/1-A ^2
Client Matrix: Solid
Dilution: 2.0
Analysis Date: 09/15/2015 1713
Prep Date: 09/15/2015 0954
Leach Date: N/A

Analysis Batch: 460-322700
Prep Batch: 460-322469
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP5
Lab File ID: 322345.asc
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Silver	0.18	U	0.18	1.0
Arsenic	0.49	U	0.49	1.5
Barium	0.72	U	0.72	20.0
Beryllium	0.17	U	0.17	0.20
Cadmium	0.21	U	0.21	0.40
Cobalt	0.58	U	0.58	5.0
Chromium	0.48	U	0.48	1.0
Copper	0.65	U	0.65	2.5
Manganese	0.53	U	0.53	1.5
Nickel	0.73	U	0.73	4.0
Lead	0.39	U	0.39	1.0
Antimony	0.79	U	0.79	2.0
Selenium	0.69	U	0.69	2.0
Vanadium	0.50	U	0.50	5.0
Zinc	0.73	U	0.73	3.0
Aluminum	10.3	U	10.3	20.0
Sodium	33.9	U	33.9	500
Magnesium	25.0	U	25.0	500
Potassium	15.2	U	15.2	500
Calcium	29.6	U	29.6	500
Iron	11.3	U	11.3	15.0
Thallium	0.89	U	0.89	2.0

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

LCS-Certified Reference Material - Batch: 460-322469

Method: 6010C

Preparation: 3050B

Lab Sample ID: LCSSRM 460-322469/2-~~A~~ Analysis Batch: 460-322700
 Client Matrix: Solid Prep Batch: 460-322469
 Dilution: 4.0 Leach Batch: N/A
 Analysis Date: 09/15/2015 1717 Units: mg/Kg
 Prep Date: 09/15/2015 0954
 Leach Date: N/A

Instrument ID: ICP5
 Lab File ID: 322345.asc
 Initial Weight/Volume: 1.00 g
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	40.9	39.90	97.6	75.1 - 124.7	
Arsenic	98.5	100.8	102.3	77.8 - 122.8	
Barium	308	318.0	103.2	82.5 - 117.5	
Beryllium	66.0	68.46	103.7	83.0 - 116.8	
Cadmium	146	154.7	105.9	82.9 - 117.8	
Cobalt	162	172.7	106.6	83.3 - 116.0	
Chromium	182	189.6	104.2	79.7 - 120.3	
Copper	106	109.4	103.2	81.5 - 118.9	
Manganese	410	413.6	100.9	81.2 - 119.0	
Nickel	149	162.3	108.9	82.6 - 117.4	
Lead	130	125.6	96.6	82.3 - 117.7	
Antimony	105	183.1	174.4	0.1 - 201.0	
Selenium	154	160.6	104.3	77.9 - 122.1	
Vanadium	96.7	96.08	99.4	77.2 - 123.1	
Zinc	191	194.5	101.8	83.2 - 116.8	
Aluminum	7930	5426	68.4	50.2 - 150.1	
Sodium	2480	2546	102.7	70.6 - 129.0	
Magnesium	2640	2258	85.5	75.8 - 124.6	
Potassium	2550	2190	85.9	69.0 - 130.6	
Calcium	6610	6400	96.8	83.7 - 116.2	
Iron	14400	13770	95.6	44.1 - 155.6	
Thallium	175	202.2	115.5	78.3 - 121.1	

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Matrix Spike - Batch: 460-322469

Method: 6010C
Preparation: 3050B

Lab Sample ID:	460-100972-9	Analysis Batch:	460-322700	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-322469	Lab File ID:	322345.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/15/2015 1732	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/15/2015 0954				
Leach Date:	N/A				

Analyte	Sample	Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Silver	0.43	U	6.13	8.08	132	75 - 125	F1
Arsenic	10.1		245	248.0	97	75 - 125	
Barium	116		245	344.9	93	75 - 125	
Beryllium	0.64		6.13	6.75	100	75 - 125	
Cadmium	0.51	U	6.13	6.09	99	75 - 125	
Cobalt	6.5	J	61.3	65.34	96	75 - 125	
Chromium	43.0		24.5	66.76	97	75 - 125	
Copper	37.3		30.7	62.08	81	75 - 125	
Manganese	344		61.3	384.3	66	75 - 125	4
Nickel	20.8		61.3	81.04	98	75 - 125	
Lead	42.4		61.3	102.2	98	75 - 125	
Antimony	7.7		61.3	43.19	58	75 - 125	F1
Selenium	1.7	U	245	243.9	99	75 - 125	
Vanadium	35.1		61.3	115.7	131	75 - 125	F1
Zinc	198		61.3	239.2	67	75 - 125	F1
Aluminum	12800		245	13280	180	75 - 125	4
Sodium	1200	J	2450	3240	83	75 - 125	
Magnesium	7650		2450	9929	93	75 - 125	
Potassium	2120		2450	4469	96	75 - 125	
Iron	16400		123	16350	0	75 - 125	4
Thallium	2.2	U	245	245.3	100	75 - 125	

Post Digestion Spike - Batch: 460-322469

Method: 6010C
Preparation: 3050B

Lab Sample ID:	460-100972-9	Analysis Batch:	460-322700	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-322469	Lab File ID:	322345.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/15/2015 1736	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/15/2015 0954				
Leach Date:	N/A				

Analyte	Sample	Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Silver	0.43	U	12.3	11.33	92	80 - 120	
Arsenic	10.1		491	477.1	95	80 - 120	
Barium	116		491	577.9	94	80 - 120	
Beryllium	0.64		12.3	12.46	96	80 - 120	
Cadmium	0.51	U	12.3	11.58	94	80 - 120	
Cobalt	6.5	J	123	121.1	93	80 - 120	

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Post Digestion Spike - Batch: 460-322469

Method: 6010C
Preparation: 3050B

Lab Sample ID:	460-100972-9	Analysis Batch:	460-322700	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-322469	Lab File ID:	322345.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/15/2015 1736	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/15/2015 0954				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chromium	43.0	49.1	89.11	94	80 - 120	
Copper	37.3	61.3	94.40	93	80 - 120	
Manganese	344	123	455.5	91	80 - 120	
Nickel	20.8	123	136.1	94	80 - 120	
Lead	42.4	123	148.8	87	80 - 120	
Antimony	7.7	123	120.2	92	80 - 120	
Selenium	1.7 U	491	468.5	96	80 - 120	
Vanadium	35.1	123	150.7	94	80 - 120	
Zinc	198	123	307.3	89	80 - 120	
Aluminum	12800	491	13170	NC	80 - 120	
Sodium	1200 J	4910	5862	95	80 - 120	
Magnesium	7650	4910	11960	88	80 - 120	
Potassium	2120	4910	6402	87	80 - 120	
Iron	16400	245	16400	NC	80 - 120	
Thallium	2.2 U	491	470.7	96	80 - 120	

Post Digestion Spike - Batch: 460-322469

Method: 6010C
Preparation: 3050B

Lab Sample ID:	460-100972-9	Analysis Batch:	460-322700	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-322469	Lab File ID:	322345.asc
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/15/2015 2124	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/15/2015 0954				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Calcium	89000	24500	112800	97	80 - 120	

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Matrix Spike - Batch: 460-322469

Method: 6010C

Preparation: 3050B

Lab Sample ID:	460-100972-9	Analysis Batch:	460-322700	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-322469	Lab File ID:	322345.asc
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/15/2015 2127	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/15/2015 0954				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Calcium	89000	2450	91720	113	75 - 125	4

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Duplicate - Batch: 460-322469

Method: 6010C
Preparation: 3050B

Lab Sample ID: 460-100972-9
Client Matrix: Solid
Dilution: 4.0
Analysis Date: 09/15/2015 1721
Prep Date: 09/15/2015 0954
Leach Date: N/A

Analysis Batch: 460-322700
Prep Batch: 460-322469
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP5
Lab File ID: 322345.asc
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Silver	0.43	U	0.43	NC	35	U
Arsenic	10.1		9.86	2	35	
Barium	116		115.7	0.6	35	
Beryllium	0.64		0.676	5	35	
Cadmium	0.51	U	0.51	NC	35	U
Cobalt	6.5	J	6.51	0	35	J
Chromium	43.0		43.12	0.2	35	
Copper	37.3		36.96	0.9	35	
Manganese	344		344.6	0.1	35	
Nickel	20.8		20.56	1	35	
Lead	42.4		42.60	0.4	35	
Antimony	7.7		7.34	5	35	
Selenium	1.7	U	1.7	NC	35	U
Vanadium	35.1		35.27	0.5	35	
Zinc	198		199.1	0.6	35	
Aluminum	12800		12830	0.08	35	
Sodium	1200	J	1194	0.3	35	J
Magnesium	7650		7738	1	35	
Potassium	2120		2124	0.1	35	
Iron	16400		16460	0.6	35	
Thallium	2.2	U	2.2	NC	35	U

Serial Dilution - Batch: 460-322469

Method: 6010C
Preparation: 3050B

Lab Sample ID: 460-100972-9
Client Matrix: Solid
Dilution: 20
Analysis Date: 09/15/2015 1728
Prep Date: 09/15/2015 0954
Leach Date: N/A

Analysis Batch: 460-322700
Prep Batch: 460-322469
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP5
Lab File ID: 322345.asc
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Silver	2.2	U	2.2	NC	10	U
Arsenic	11.5	J	13.98	NC	10	J
Barium	125	J	116.8	NC	10	J
Beryllium	2.1	U	2.1	NC	10	U
Cadmium	2.6	U	2.6	NC	10	U
Cobalt	7.1	U	7.1	NC	10	U
Chromium	47.0		43.95	NC	10	
Copper	39.5		36.28	NC	10	

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Serial Dilution - Batch: 460-322469

Method: 6010C
Preparation: 3050B

Lab Sample ID:	460-100972-9	Analysis Batch:	460-322700	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-322469	Lab File ID:	322345.asc
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/15/2015 1728	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/15/2015 0954				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Manganese	369	351.2	4.9	10	
Nickel	21.7 J	21.26	NC	10	J
Lead	44.6	42.14	NC	10	
Antimony	9.7 U	9.7	NC	10	U
Selenium	8.5 U	8.5	NC	10	U
Vanadium	37.4 J	35.21	NC	10	J
Zinc	223	217.7	NC	10	
Aluminum	13700	12720	7.0	10	
Sodium	1290 J	1191	NC	10	J
Magnesium	8640	8012	NC	10	
Potassium	2250 J	2124	NC	10	J
Iron	17600	16340	7.2	10	
Thallium	10.9 U	10.9	NC	10	U

Duplicate - Batch: 460-322469

Method: 6010C
Preparation: 3050B

Lab Sample ID:	460-100972-9	Analysis Batch:	460-322700	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-322469	Lab File ID:	322345.asc
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/15/2015 2131	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/15/2015 0954				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Calcium	89000	88000	1	35	

Serial Dilution - Batch: 460-322469

Method: 6010C
Preparation: 3050B

Lab Sample ID:	460-100972-9	Analysis Batch:	460-322700	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	460-322469	Lab File ID:	322345.asc
Dilution:	100	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	09/15/2015 2139	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/15/2015 0954				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Calcium	89000	88170	NC	10	

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Method Blank - Batch: 460-322411

Method: 7471B
Preparation: 7471B

Lab Sample ID:	MB 460-322411/10-A	Analysis Batch:	460-322506	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-322411	Lab File ID:	322411HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	09/15/2015 0839	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/15/2015 0417				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.012	U	0.012	0.017

LCS-Certified Reference Material - Batch: 460-322411

Method: 7471B
Preparation: 7471B

Lab Sample ID:	LCSSRM 460-322411/11-	Analysis Batch:	460-322506	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-322411	Lab File ID:	322411HG1.PRN
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	09/15/2015 0841	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/15/2015 0417				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	7.10	6.65	93.7	73.7 - 126.3	

Matrix Spike - Batch: 460-322411

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-100954-E-14-C MS	Analysis Batch:	460-322506	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-322411	Lab File ID:	322411HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.64 g
Analysis Date:	09/15/2015 0848	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/15/2015 0417				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.031	0.0896	0.117	96	75 - 125	

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Duplicate - Batch: 460-322411

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-100954-E-14-B DU	Analysis Batch:	460-322506	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-322411	Lab File ID:	322411HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.64 g
Analysis Date:	09/15/2015 0846	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/15/2015 0417				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	0.031	0.0220	34	35	

Serial Dilution - Batch: 460-322411

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-100954-E-14-A SD	Analysis Batch:	460-322506	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-322411	Lab File ID:	322411HG1.PRN
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	0.64 g
Analysis Date:	09/15/2015 0939	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/15/2015 0417				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Mercury	0.031	0.065	NC		U

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Method Blank - Batch: 460-322412

Method: 7471B
Preparation: 7471B

Lab Sample ID:	MB 460-322412/10-A	Analysis Batch:	460-322506	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-322412	Lab File ID:	322411HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	09/15/2015 0945	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/15/2015 0447				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.012	U	0.012	0.017

LCS-Certified Reference Material - Batch: 460-322412

Method: 7471B
Preparation: 7471B

Lab Sample ID:	LCSSRM 460-322412/11-	Analysis Batch:	460-322506	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-322412	Lab File ID:	322411HG1.PRN
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	09/15/2015 0947	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/15/2015 0447				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	7.10	6.65	93.7	73.7 - 126.3	

Matrix Spike - Batch: 460-322412

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-101015-A-9-E MS	Analysis Batch:	460-322506	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-322412	Lab File ID:	322411HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.63 g
Analysis Date:	09/15/2015 0953	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/15/2015 0447				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.013 J	0.0884	0.109	123	75 - 125	

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Duplicate - Batch: 460-322412

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-101015-A-9-D DU	Analysis Batch:	460-322506	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-322412	Lab File ID:	322411HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.63 g
Analysis Date:	09/15/2015 0951	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/15/2015 0447				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	0.013 J	0.0144	10	35	J

Serial Dilution - Batch: 460-322412

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-101015-A-9-C SD	Analysis Batch:	460-322506	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-322412	Lab File ID:	322411HG1.PRN
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	0.63 g
Analysis Date:	09/15/2015 1049	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/15/2015 0447				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Mercury	0.013 J	0.064	NC		U

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Method Blank - Batch: 460-322635

Method: 7471B
Preparation: 7471B

Lab Sample ID:	MB 460-322635/10-A	Analysis Batch:	460-322753	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-322635	Lab File ID:	322635HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	09/16/2015 0830	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/16/2015 0420				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.012	U	0.012	0.017

LCS-Certified Reference Material - Batch: 460-322635

Method: 7471B
Preparation: 7471B

Lab Sample ID:	LCSSRM 460-322635/11-	Analysis Batch:	460-322753	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-322635	Lab File ID:	322635HG1.PRN
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	09/16/2015 0833	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/16/2015 0420				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	7.10	6.80	95.8	73.7 - 126.3	

Matrix Spike - Batch: 460-322635

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-100972-14	Analysis Batch:	460-322753	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-322635	Lab File ID:	322635HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.64 g
Analysis Date:	09/16/2015 0839	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/16/2015 0420				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.14	0.0941	0.252	115	75 - 125	

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Duplicate - Batch: 460-322635

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-100972-14	Analysis Batch:	460-322753	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-322635	Lab File ID:	322635HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.64 g
Analysis Date:	09/16/2015 0836	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/16/2015 0420				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	0.14	0.135	6	35	

Serial Dilution - Batch: 460-322635

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-100972-14	Analysis Batch:	460-322753	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-322635	Lab File ID:	322635HG1.PRN
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	0.64 g
Analysis Date:	09/16/2015 0936	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/16/2015 0420				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Mercury	0.14	0.166	NC		

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Duplicate - Batch: 460-322080

Method: Moisture
Preparation: N/A

Lab Sample ID:	460-100972-5	Analysis Batch:	460-322080	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:	09/12/2015 1004	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	15.9	16.6	4	20	
Percent Solids	84.1	83.4	0.8	20	

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Duplicate - Batch: 460-322094

Method: Moisture Preparation: N/A

Lab Sample ID:	460-101026-A-9 DU	Analysis Batch:	460-322094	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:	09/12/2015 1108	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	15.8	18.5	16	20	
Percent Solids	84.2	81.5	3	20	

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Duplicate - Batch: 460-322101

Method: Moisture
Preparation: N/A

Lab Sample ID: 460-100972-13
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 09/12/2015 1245
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 460-322101
Prep Batch: N/A
Leach Batch: N/A
Units: %

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	12.5	10.8	15	20	
Percent Solids	87.5	89.2	2	20	

DATA REPORTING QUALIFIERS

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Lab Section	Qualifier	Description
GC/MS Semi VOA	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD is outside acceptance limits.
	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.
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.
	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: 460-100972-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 460-322274					
LCS 460-322274/3-A	Lab Control Sample	T	Solid	3546	
MB 460-322274/1-A	Method Blank	T	Solid	3546	
460-100972-1	WC-1	T	Solid	3546	
460-100972-2	WC-2	T	Solid	3546	
460-100972-3	WC-3	T	Solid	3546	
460-100972-4	WC-4	T	Solid	3546	
460-100972-5	WC-5	T	Solid	3546	
460-100972-6	WC-6	T	Solid	3546	
460-100972-7	WC-7	T	Solid	3546	
460-100972-8	WC-8	T	Solid	3546	
460-100972-9	WC-9	T	Solid	3546	
460-100972-10	WC-10	T	Solid	3546	
460-100972-11	WC-11	T	Solid	3546	
460-100972-12	WC-12	T	Solid	3546	
460-100972-12MS	Matrix Spike	T	Solid	3546	
460-100972-12MSD	Matrix Spike Duplicate	T	Solid	3546	
Analysis Batch:460-322389					
LCS 460-322274/3-A	Lab Control Sample	T	Solid	8270D	460-322274
MB 460-322274/1-A	Method Blank	T	Solid	8270D	460-322274
460-100972-1	WC-1	T	Solid	8270D	460-322274
460-100972-2	WC-2	T	Solid	8270D	460-322274
460-100972-4	WC-4	T	Solid	8270D	460-322274
460-100972-5	WC-5	T	Solid	8270D	460-322274
460-100972-6	WC-6	T	Solid	8270D	460-322274
460-100972-8	WC-8	T	Solid	8270D	460-322274
460-100972-11	WC-11	T	Solid	8270D	460-322274
460-100972-12	WC-12	T	Solid	8270D	460-322274
460-100972-12MS	Matrix Spike	T	Solid	8270D	460-322274
460-100972-12MSD	Matrix Spike Duplicate	T	Solid	8270D	460-322274
Analysis Batch:460-322397					
460-100972-3	WC-3	T	Solid	8270D	460-322274
460-100972-7	WC-7	T	Solid	8270D	460-322274
Prep Batch: 460-322460					
LCS 460-322460/3-A	Lab Control Sample	T	Solid	3546	
MB 460-322460/1-A	Method Blank	T	Solid	3546	
460-100738-F-9-C MS	Matrix Spike	T	Solid	3546	
460-100738-F-9-D MSD	Matrix Spike Duplicate	T	Solid	3546	
460-100972-13	WC-13	T	Solid	3546	
460-100972-14	WC-14	T	Solid	3546	

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Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Analysis Batch:460-322563					
MB 460-322460/1-A	Method Blank	T	Solid	8270D	460-322460
460-100738-F-9-C MS	Matrix Spike	T	Solid	8270D	460-322460
460-100738-F-9-D MSD	Matrix Spike Duplicate	T	Solid	8270D	460-322460
460-100972-9	WC-9	T	Solid	8270D	460-322274
Analysis Batch:460-322632					
LCS 460-322460/3-A	Lab Control Sample	T	Solid	8270D	460-322460
460-100972-13	WC-13	T	Solid	8270D	460-322460
460-100972-14	WC-14	T	Solid	8270D	460-322460
Analysis Batch:460-322656					
460-100972-10	WC-10	T	Solid	8270D	460-322274

Report Basis

T = Total

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 460-322399					
LCS 460-322399/2-A	Lab Control Sample	T	Solid	3546	
MB 460-322399/1-A	Method Blank	T	Solid	3546	
460-100972-1	WC-1	T	Solid	3546	
460-100972-1MS	Matrix Spike	T	Solid	3546	
460-100972-1MSD	Matrix Spike Duplicate	T	Solid	3546	
460-100972-2	WC-2	T	Solid	3546	
460-100972-3	WC-3	T	Solid	3546	
460-100972-4	WC-4	T	Solid	3546	
460-100972-5	WC-5	T	Solid	3546	
460-100972-6	WC-6	T	Solid	3546	
460-100972-7	WC-7	T	Solid	3546	
460-100972-8	WC-8	T	Solid	3546	
460-100972-9	WC-9	T	Solid	3546	
460-100972-10	WC-10	T	Solid	3546	
460-100972-11	WC-11	T	Solid	3546	
460-100972-12	WC-12	T	Solid	3546	
460-100972-13	WC-13	T	Solid	3546	
460-100972-14	WC-14	T	Solid	3546	
Analysis Batch:460-322579					
LCS 460-322399/2-A	Lab Control Sample	T	Solid	8082A	460-322399
MB 460-322399/1-A	Method Blank	T	Solid	8082A	460-322399
460-100972-1	WC-1	T	Solid	8082A	460-322399
460-100972-1MS	Matrix Spike	T	Solid	8082A	460-322399
460-100972-1MSD	Matrix Spike Duplicate	T	Solid	8082A	460-322399
460-100972-2	WC-2	T	Solid	8082A	460-322399
460-100972-3	WC-3	T	Solid	8082A	460-322399
460-100972-4	WC-4	T	Solid	8082A	460-322399
460-100972-5	WC-5	T	Solid	8082A	460-322399
460-100972-6	WC-6	T	Solid	8082A	460-322399
460-100972-7	WC-7	T	Solid	8082A	460-322399
460-100972-8	WC-8	T	Solid	8082A	460-322399
460-100972-9	WC-9	T	Solid	8082A	460-322399
460-100972-10	WC-10	T	Solid	8082A	460-322399
460-100972-11	WC-11	T	Solid	8082A	460-322399
460-100972-12	WC-12	T	Solid	8082A	460-322399
460-100972-13	WC-13	T	Solid	8082A	460-322399
460-100972-14	WC-14	T	Solid	8082A	460-322399

Report Basis

T = Total

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Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-322001					
LCSSRM 460-322001/2-A	LCS-Certified Reference Material	T	Solid	3050B	
LCSSRM 460-322001/2-A ^4	LCS-Certified Reference Material	T	Solid	3050B	
MB 460-322001/1-A ^2	Method Blank	T	Solid	3050B	
460-100972-1	WC-1	T	Solid	3050B	
460-100972-2	WC-2	T	Solid	3050B	
460-100972-3	WC-3	T	Solid	3050B	
460-100972-3DU	Duplicate	T	Solid	3050B	
460-100972-3MS	Matrix Spike	T	Solid	3050B	
460-100972-4	WC-4	T	Solid	3050B	
460-100972-5	WC-5	T	Solid	3050B	
460-100972-6	WC-6	T	Solid	3050B	
460-100972-7	WC-7	T	Solid	3050B	
460-100972-8	WC-8	T	Solid	3050B	
460-100972-9	WC-9	T	Solid	3050B	
460-100972-10	WC-10	T	Solid	3050B	
460-100972-11	WC-11	T	Solid	3050B	
460-100972-12	WC-12	T	Solid	3050B	
460-100972-13	WC-13	T	Solid	3050B	
460-100972-14	WC-14	T	Solid	3050B	
Analysis Batch:460-322199					
LCSSRM 460-322001/2-A	LCS-Certified Reference Material	T	Solid	6010C	460-322001
LCSSRM 460-322001/2-A ^4	LCS-Certified Reference Material	T	Solid	6010C	460-322001
MB 460-322001/1-A ^2	Method Blank	T	Solid	6010C	460-322001
460-100972-1	WC-1	T	Solid	6010C	460-322001
460-100972-2	WC-2	T	Solid	6010C	460-322001
460-100972-3	WC-3	T	Solid	6010C	460-322001
460-100972-3DU	Duplicate	T	Solid	6010C	460-322001
460-100972-3MS	Matrix Spike	T	Solid	6010C	460-322001
460-100972-4	WC-4	T	Solid	6010C	460-322001
460-100972-5	WC-5	T	Solid	6010C	460-322001
460-100972-6	WC-6	T	Solid	6010C	460-322001
460-100972-7	WC-7	T	Solid	6010C	460-322001
460-100972-8	WC-8	T	Solid	6010C	460-322001
460-100972-9	WC-9	T	Solid	6010C	460-322001
460-100972-10	WC-10	T	Solid	6010C	460-322001
460-100972-11	WC-11	T	Solid	6010C	460-322001
460-100972-12	WC-12	T	Solid	6010C	460-322001
460-100972-13	WC-13	T	Solid	6010C	460-322001
460-100972-14	WC-14	T	Solid	6010C	460-322001

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Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-322411					
LCSSRM 460-322411/11-A	^2LCS-Certified Reference Material	T	Solid	7471B	
MB 460-322411/10-A	Method Blank	T	Solid	7471B	
460-100954-E-14-B DU	Duplicate	T	Solid	7471B	
460-100954-E-14-C MS	Matrix Spike	T	Solid	7471B	
460-100972-1	WC-1	T	Solid	7471B	
460-100972-2	WC-2	T	Solid	7471B	
460-100972-3	WC-3	T	Solid	7471B	
460-100972-4	WC-4	T	Solid	7471B	
Prep Batch: 460-322412					
LCSSRM 460-322412/11-A	^2LCS-Certified Reference Material	T	Solid	7471B	
MB 460-322412/10-A	Method Blank	T	Solid	7471B	
460-100972-5	WC-5	T	Solid	7471B	
460-100972-6	WC-6	T	Solid	7471B	
460-100972-7	WC-7	T	Solid	7471B	
460-100972-8	WC-8	T	Solid	7471B	
460-100972-9	WC-9	T	Solid	7471B	
460-100972-10	WC-10	T	Solid	7471B	
460-100972-11	WC-11	T	Solid	7471B	
460-100972-12	WC-12	T	Solid	7471B	
460-101015-A-9-D DU	Duplicate	T	Solid	7471B	
460-101015-A-9-E MS	Matrix Spike	T	Solid	7471B	
Prep Batch: 460-322469					
LCSSRM 460-322469/2-A	LCS-Certified Reference Material	T	Solid	3050B	
MB 460-322469/1-A	Method Blank	T	Solid	3050B	
460-100972-1	WC-1	T	Solid	3050B	
460-100972-2	WC-2	T	Solid	3050B	
460-100972-3	WC-3	T	Solid	3050B	
460-100972-4	WC-4	T	Solid	3050B	
460-100972-5	WC-5	T	Solid	3050B	
460-100972-6	WC-6	T	Solid	3050B	
460-100972-7	WC-7	T	Solid	3050B	
460-100972-8	WC-8	T	Solid	3050B	
460-100972-9	WC-9	T	Solid	3050B	
460-100972-9DU	Duplicate	T	Solid	3050B	
460-100972-9MS	Matrix Spike	T	Solid	3050B	
460-100972-10	WC-10	T	Solid	3050B	
460-100972-11	WC-11	T	Solid	3050B	
460-100972-12	WC-12	T	Solid	3050B	
460-100972-13	WC-13	T	Solid	3050B	
460-100972-14	WC-14	T	Solid	3050B	

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Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch: 460-322506					
LCSSRM 460-322411/11-A	^2LCS-Certified Reference Material	T	Solid	7471B	460-322411
MB 460-322411/10-A	Method Blank	T	Solid	7471B	460-322411
LCSSRM 460-322412/11-A	^2LCS-Certified Reference Material	T	Solid	7471B	460-322412
MB 460-322412/10-A	Method Blank	T	Solid	7471B	460-322412
460-100954-E-14-B DU	Duplicate	T	Solid	7471B	460-322411
460-100954-E-14-C MS	Matrix Spike	T	Solid	7471B	460-322411
460-100972-1	WC-1	T	Solid	7471B	460-322411
460-100972-2	WC-2	T	Solid	7471B	460-322411
460-100972-3	WC-3	T	Solid	7471B	460-322411
460-100972-4	WC-4	T	Solid	7471B	460-322411
460-100972-5	WC-5	T	Solid	7471B	460-322412
460-100972-6	WC-6	T	Solid	7471B	460-322412
460-100972-7	WC-7	T	Solid	7471B	460-322412
460-100972-8	WC-8	T	Solid	7471B	460-322412
460-100972-9	WC-9	T	Solid	7471B	460-322412
460-100972-10	WC-10	T	Solid	7471B	460-322412
460-100972-11	WC-11	T	Solid	7471B	460-322412
460-100972-12	WC-12	T	Solid	7471B	460-322412
460-101015-A-9-D DU	Duplicate	T	Solid	7471B	460-322412
460-101015-A-9-E MS	Matrix Spike	T	Solid	7471B	460-322412
Prep Batch: 460-322635					
LCSSRM 460-322635/11-A	^2LCS-Certified Reference Material	T	Solid	7471B	
MB 460-322635/10-A	Method Blank	T	Solid	7471B	
460-100972-13	WC-13	T	Solid	7471B	
460-100972-14	WC-14	T	Solid	7471B	
460-100972-14DU	Duplicate	T	Solid	7471B	
460-100972-14MS	Matrix Spike	T	Solid	7471B	

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:460-322700					
LCSSRM 460-322469/2-A	LCS-Certified Reference Material	T	Solid	6010C	460-322469
MB 460-322469/1-A ^2	Method Blank	T	Solid	6010C	460-322469
460-100972-1	WC-1	T	Solid	6010C	460-322469
460-100972-2	WC-2	T	Solid	6010C	460-322469
460-100972-3	WC-3	T	Solid	6010C	460-322469
460-100972-4	WC-4	T	Solid	6010C	460-322469
460-100972-5	WC-5	T	Solid	6010C	460-322469
460-100972-6	WC-6	T	Solid	6010C	460-322469
460-100972-7	WC-7	T	Solid	6010C	460-322469
460-100972-8	WC-8	T	Solid	6010C	460-322469
460-100972-9	WC-9	T	Solid	6010C	460-322469
460-100972-9DU	Duplicate	T	Solid	6010C	460-322469
460-100972-9MS	Matrix Spike	T	Solid	6010C	460-322469
460-100972-10	WC-10	T	Solid	6010C	460-322469
460-100972-11	WC-11	T	Solid	6010C	460-322469
460-100972-12	WC-12	T	Solid	6010C	460-322469
460-100972-13	WC-13	T	Solid	6010C	460-322469
460-100972-14	WC-14	T	Solid	6010C	460-322469
Analysis Batch:460-322753					
LCSSRM 460-322635/11-A ^2	LCS-Certified Reference Material	T	Solid	7471B	460-322635
MB 460-322635/10-A	Method Blank	T	Solid	7471B	460-322635
460-100972-13	WC-13	T	Solid	7471B	460-322635
460-100972-14	WC-14	T	Solid	7471B	460-322635
460-100972-14DU	Duplicate	T	Solid	7471B	460-322635
460-100972-14MS	Matrix Spike	T	Solid	7471B	460-322635
Analysis Batch:460-322801					
460-100972-3	WC-3	T	Solid	6010C	460-322469
460-100972-7	WC-7	T	Solid	6010C	460-322469

Report Basis

T = Total

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-322080					
460-100972-1	WC-1	T	Solid	Moisture	
460-100972-2	WC-2	T	Solid	Moisture	
460-100972-3	WC-3	T	Solid	Moisture	
460-100972-4	WC-4	T	Solid	Moisture	
460-100972-5	WC-5	T	Solid	Moisture	
460-100972-5DU	Duplicate	T	Solid	Moisture	
Analysis Batch:460-322094					
460-100972-6	WC-6	T	Solid	Moisture	
460-100972-7	WC-7	T	Solid	Moisture	
460-100972-8	WC-8	T	Solid	Moisture	
460-100972-9	WC-9	T	Solid	Moisture	
460-100972-10	WC-10	T	Solid	Moisture	
460-100972-11	WC-11	T	Solid	Moisture	
460-100972-12	WC-12	T	Solid	Moisture	
460-101026-A-9 DU	Duplicate	T	Solid	Moisture	
Analysis Batch:460-322101					
460-100972-13	WC-13	T	Solid	Moisture	
460-100972-13DU	Duplicate	T	Solid	Moisture	
460-100972-14	WC-14	T	Solid	Moisture	

Report Basis

T = Total

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Laboratory Chronicle

Lab ID: 460-100972-1

Client ID: WC-1

Sample Date/Time: 09/11/2015 08:31 Received Date/Time: 09/11/2015 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-100972-A-1-B		460-322389	460-322274	09/14/2015 08:46	1	TAL EDI	HMP
A:8270D	460-100972-A-1-B		460-322389	460-322274	09/15/2015 09:38	1	TAL EDI	CAZ
P:3546	460-100972-A-1-E		460-322579	460-322399	09/15/2015 02:35	1	TAL EDI	ARA
A:8082A	460-100972-A-1-E		460-322579	460-322399	09/15/2015 17:31	1	TAL EDI	CBB
P:3050B	460-100972-A-1-G ^4		460-322700	460-322469	09/15/2015 09:54	4	TAL EDI	QZY
A:6010C	460-100972-A-1-G ^4		460-322700	460-322469	09/15/2015 17:39	4	TAL EDI	YZH
P:7471B	460-100972-A-1-F		460-322506	460-322411	09/15/2015 04:17	1	TAL EDI	TJS
A:7471B	460-100972-A-1-F		460-322506	460-322411	09/15/2015 09:30	1	TAL EDI	TJS
A:Moisture	460-100972-A-1		460-322080		09/12/2015 10:04	1	TAL EDI	VMM

Lab ID: 460-100972-1 MS

Client ID: WC-1

Sample Date/Time: 09/11/2015 08:31 Received Date/Time: 09/11/2015 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-100972-A-1-C MS		460-322579	460-322399	09/15/2015 02:35	1	TAL EDI	ARA
A:8082A	460-100972-A-1-C MS		460-322579	460-322399	09/15/2015 17:02	1	TAL EDI	CBB

Lab ID: 460-100972-1 MSD

Client ID: WC-1

Sample Date/Time: 09/11/2015 08:31 Received Date/Time: 09/11/2015 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-100972-A-1-D MSD		460-322579	460-322399	09/15/2015 02:35	1	TAL EDI	ARA
A:8082A	460-100972-A-1-D MSD		460-322579	460-322399	09/15/2015 17:17	1	TAL EDI	CBB

Lab ID: 460-100972-2

Client ID: WC-2

Sample Date/Time: 09/11/2015 08:39 Received Date/Time: 09/11/2015 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-100972-A-2-B		460-322389	460-322274	09/14/2015 08:46	1	TAL EDI	HMP
A:8270D	460-100972-A-2-B		460-322389	460-322274	09/15/2015 10:01	1	TAL EDI	CAZ
P:3546	460-100972-A-2-C		460-322579	460-322399	09/15/2015 02:35	1	TAL EDI	ARA
A:8082A	460-100972-A-2-C		460-322579	460-322399	09/15/2015 17:46	1	TAL EDI	CBB
P:3050B	460-100972-A-2-E ^4		460-322700	460-322469	09/15/2015 09:54	4	TAL EDI	QZY
A:6010C	460-100972-A-2-E ^4		460-322700	460-322469	09/15/2015 17:43	4	TAL EDI	YZH
P:7471B	460-100972-A-2-D		460-322506	460-322411	09/15/2015 04:17	1	TAL EDI	TJS
A:7471B	460-100972-A-2-D		460-322506	460-322411	09/15/2015 09:33	1	TAL EDI	TJS
A:Moisture	460-100972-A-2		460-322080		09/12/2015 10:04	1	TAL EDI	VMM

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Laboratory Chronicle

Lab ID: 460-100972-3

Client ID: WC-3

Sample Date/Time: 09/11/2015 08:42 Received Date/Time: 09/11/2015 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-100972-A-3-D		460-322397	460-322274	09/14/2015 08:46	5	TAL EDI	HMP
A:8270D	460-100972-A-3-D		460-322397	460-322274	09/15/2015 13:51	5	TAL EDI	MMC
P:3546	460-100972-A-3-E		460-322579	460-322399	09/15/2015 02:35	1	TAL EDI	ARA
A:8082A	460-100972-A-3-E		460-322579	460-322399	09/15/2015 18:00	1	TAL EDI	CBB
P:3050B	460-100972-A-3-A ^4		460-322199	460-322001	09/11/2015 17:07	4	TAL EDI	EAE
A:6010C	460-100972-A-3-A ^4		460-322199	460-322001	09/13/2015 16:44	4	TAL EDI	CDC
P:3050B	460-100972-A-3-A ^10		460-322199	460-322001	09/11/2015 17:07	10	TAL EDI	EAE
A:6010C	460-100972-A-3-A ^10		460-322199	460-322001	09/13/2015 21:20	10	TAL EDI	CDC
P:3050B	460-100972-A-3-G ^4		460-322700	460-322469	09/15/2015 09:54	4	TAL EDI	QZY
A:6010C	460-100972-A-3-G ^4		460-322700	460-322469	09/15/2015 17:58	4	TAL EDI	YZH
P:7471B	460-100972-A-3-F		460-322506	460-322411	09/15/2015 04:17	1	TAL EDI	TJS
A:7471B	460-100972-A-3-F		460-322506	460-322411	09/15/2015 09:35	1	TAL EDI	TJS
A:Moisture	460-100972-A-3		460-322080		09/12/2015 10:04	1	TAL EDI	VMM

Lab ID: 460-100972-3 MS

Client ID: WC-3

Sample Date/Time: 09/11/2015 08:42 Received Date/Time: 09/11/2015 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-100972-A-3-C MS ^4		460-322199	460-322001	09/11/2015 17:07	4	TAL EDI	EAE
A:6010C	460-100972-A-3-C MS ^4		460-322199	460-322001	09/13/2015 16:36	4	TAL EDI	CDC
P:3050B	460-100972-A-3-C MS		460-322199	460-322001	09/11/2015 17:07	10	TAL EDI	EAE
A:6010C	460-100972-A-3-C MS		460-322199	460-322001	09/13/2015 21:01	10	TAL EDI	CDC

Lab ID: 460-100972-3 DU

Client ID: WC-3

Sample Date/Time: 09/11/2015 08:42 Received Date/Time: 09/11/2015 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-100972-A-3-B DU ^4		460-322199	460-322001	09/11/2015 17:07	4	TAL EDI	EAE
A:6010C	460-100972-A-3-B DU ^4		460-322199	460-322001	09/13/2015 16:40	4	TAL EDI	CDC
P:3050B	460-100972-A-3-B DU		460-322199	460-322001	09/11/2015 17:07	10	TAL EDI	EAE
A:6010C	460-100972-A-3-B DU		460-322199	460-322001	09/13/2015 21:05	10	TAL EDI	CDC

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Laboratory Chronicle

Lab ID: 460-100972-3 PDS

Client ID: WC-3

Sample Date/Time: 09/11/2015 08:42 Received Date/Time: 09/11/2015 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-100972-A-3-A PDS ^4		460-322199	460-322001	09/11/2015 17:07	4	TAL EDI	EAE
A:6010C	460-100972-A-3-A PDS ^4		460-322199	460-322001	09/13/2015 16:33	4	TAL EDI	CDC
P:3050B	460-100972-A-3-A SD ^20		460-322199	460-322001	09/11/2015 17:07	20	TAL EDI	EAE
A:6010C	460-100972-A-3-A SD ^20		460-322199	460-322001	09/13/2015 16:47	20	TAL EDI	CDC
P:3050B	460-100972-A-3-A PDS		460-322199	460-322001	09/11/2015 17:07	10	TAL EDI	EAE
A:6010C	460-100972-A-3-A PDS		460-322199	460-322001	09/13/2015 20:57	10	TAL EDI	CDC
P:3050B	460-100972-A-3-A SD		460-322199	460-322001	09/11/2015 17:07	50	TAL EDI	EAE
A:6010C	460-100972-A-3-A SD		460-322199	460-322001	09/13/2015 21:23	50	TAL EDI	CDC

Lab ID: 460-100972-4

Client ID: WC-4

Sample Date/Time: 09/11/2015 09:01 Received Date/Time: 09/11/2015 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-100972-A-4-B		460-322389	460-322274	09/14/2015 08:46	1	TAL EDI	HMP
A:8270D	460-100972-A-4-B		460-322389	460-322274	09/15/2015 10:47	1	TAL EDI	CAZ
P:3546	460-100972-A-4-C		460-322579	460-322399	09/15/2015 02:35	1	TAL EDI	ARA
A:8082A	460-100972-A-4-C		460-322579	460-322399	09/15/2015 18:15	1	TAL EDI	CBB
P:3050B	460-100972-A-4-E ^4		460-322700	460-322469	09/15/2015 09:54	4	TAL EDI	QZY
A:6010C	460-100972-A-4-E ^4		460-322700	460-322469	09/15/2015 18:01	4	TAL EDI	YZH
P:7471B	460-100972-A-4-D		460-322506	460-322411	09/15/2015 04:17	1	TAL EDI	TJS
A:7471B	460-100972-A-4-D		460-322506	460-322411	09/15/2015 09:37	1	TAL EDI	TJS
A:Moisture	460-100972-A-4		460-322080		09/12/2015 10:04	1	TAL EDI	VMM

Lab ID: 460-100972-5

Client ID: WC-5

Sample Date/Time: 09/11/2015 09:07 Received Date/Time: 09/11/2015 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-100972-A-5-B		460-322389	460-322274	09/14/2015 08:46	1	TAL EDI	HMP
A:8270D	460-100972-A-5-B		460-322389	460-322274	09/15/2015 11:10	1	TAL EDI	CAZ
P:3546	460-100972-A-5-C		460-322579	460-322399	09/15/2015 02:35	1	TAL EDI	ARA
A:8082A	460-100972-A-5-C		460-322579	460-322399	09/15/2015 18:30	1	TAL EDI	CBB
P:3050B	460-100972-A-5-E ^4		460-322700	460-322469	09/15/2015 09:54	4	TAL EDI	QZY
A:6010C	460-100972-A-5-E ^4		460-322700	460-322469	09/15/2015 18:05	4	TAL EDI	YZH
P:7471B	460-100972-A-5-D		460-322506	460-322412	09/15/2015 04:47	1	TAL EDI	TJS
A:7471B	460-100972-A-5-D		460-322506	460-322412	09/15/2015 09:55	1	TAL EDI	TJS
A:Moisture	460-100972-A-5		460-322080		09/12/2015 10:04	1	TAL EDI	VMM

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Laboratory Chronicle

Lab ID: 460-100972-5 DU

Client ID: WC-5

Sample Date/Time: 09/11/2015 09:07 Received Date/Time: 09/11/2015 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-100972-A-5 DU		460-322080		09/12/2015 10:04	1	TAL EDI	VMM

Lab ID: 460-100972-6

Client ID: WC-6

Sample Date/Time: 09/11/2015 09:15 Received Date/Time: 09/11/2015 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-100972-A-6-B		460-322389	460-322274	09/14/2015 08:46	1	TAL EDI	HMP
A:8270D	460-100972-A-6-B		460-322389	460-322274	09/15/2015 11:33	1	TAL EDI	CAZ
P:3546	460-100972-A-6-C		460-322579	460-322399	09/15/2015 02:35	1	TAL EDI	ARA
A:8082A	460-100972-A-6-C		460-322579	460-322399	09/15/2015 18:44	1	TAL EDI	CBB
P:3050B	460-100972-A-6-E ^4		460-322700	460-322469	09/15/2015 09:54	4	TAL EDI	QZY
A:6010C	460-100972-A-6-E ^4		460-322700	460-322469	09/15/2015 18:09	4	TAL EDI	YZH
P:7471B	460-100972-A-6-D		460-322506	460-322412	09/15/2015 04:47	1	TAL EDI	TJS
A:7471B	460-100972-A-6-D		460-322506	460-322412	09/15/2015 09:57	1	TAL EDI	TJS
A:Moisture	460-100972-A-6		460-322094		09/12/2015 11:08	1	TAL EDI	VMM

Lab ID: 460-100972-7

Client ID: WC-7

Sample Date/Time: 09/11/2015 09:21 Received Date/Time: 09/11/2015 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-100972-A-7-B		460-322397	460-322274	09/14/2015 08:46	5	TAL EDI	HMP
A:8270D	460-100972-A-7-B		460-322397	460-322274	09/15/2015 15:03	5	TAL EDI	MMC
P:3546	460-100972-A-7-C		460-322579	460-322399	09/15/2015 02:35	1	TAL EDI	ARA
A:8082A	460-100972-A-7-C		460-322579	460-322399	09/15/2015 18:59	1	TAL EDI	CBB
P:3050B	460-100972-A-7-E ^4		460-322700	460-322469	09/15/2015 09:54	4	TAL EDI	QZY
A:6010C	460-100972-A-7-E ^4		460-322700	460-322469	09/15/2015 18:12	4	TAL EDI	YZH
P:3050B	460-100972-A-7-E ^10		460-322801	460-322469	09/15/2015 09:54	10	TAL EDI	QZY
A:6010C	460-100972-A-7-E ^10		460-322801	460-322469	09/16/2015 14:49	10	TAL EDI	YZH
P:7471B	460-100972-A-7-D		460-322506	460-322412	09/15/2015 04:47	1	TAL EDI	TJS
A:7471B	460-100972-A-7-D		460-322506	460-322412	09/15/2015 09:59	1	TAL EDI	TJS
A:Moisture	460-100972-A-7		460-322094		09/12/2015 11:08	1	TAL EDI	VMM

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Laboratory Chronicle

Lab ID: 460-100972-8

Client ID: WC-8

Sample Date/Time: 09/11/2015 09:38 Received Date/Time: 09/11/2015 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-100972-A-8-B		460-322389	460-322274	09/14/2015 08:46	1	TAL EDI	HMP
A:8270D	460-100972-A-8-B		460-322389	460-322274	09/15/2015 12:19	1	TAL EDI	CAZ
P:3546	460-100972-A-8-C		460-322579	460-322399	09/15/2015 02:35	1	TAL EDI	ARA
A:8082A	460-100972-A-8-C		460-322579	460-322399	09/15/2015 19:13	1	TAL EDI	CBB
P:3050B	460-100972-A-8-E ^4		460-322700	460-322469	09/15/2015 09:54	4	TAL EDI	QZY
A:6010C	460-100972-A-8-E ^4		460-322700	460-322469	09/15/2015 18:16	4	TAL EDI	YZH
P:7471B	460-100972-A-8-D		460-322506	460-322412	09/15/2015 04:47	1	TAL EDI	TJS
A:7471B	460-100972-A-8-D		460-322506	460-322412	09/15/2015 10:01	1	TAL EDI	TJS
A:Moisture	460-100972-A-8		460-322094		09/12/2015 11:08	1	TAL EDI	VMM

Lab ID: 460-100972-9

Client ID: WC-9

Sample Date/Time: 09/11/2015 09:42 Received Date/Time: 09/11/2015 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-100972-A-9-B		460-322563	460-322274	09/14/2015 08:46	5	TAL EDI	HMP
A:8270D	460-100972-A-9-B		460-322563	460-322274	09/16/2015 01:10	5	TAL EDI	MMC
P:3546	460-100972-A-9-C		460-322579	460-322399	09/15/2015 02:35	1	TAL EDI	ARA
A:8082A	460-100972-A-9-C		460-322579	460-322399	09/15/2015 19:28	1	TAL EDI	CBB
P:3050B	460-100972-A-9-E ^4		460-322700	460-322469	09/15/2015 09:54	4	TAL EDI	QZY
A:6010C	460-100972-A-9-E ^4		460-322700	460-322469	09/15/2015 17:24	4	TAL EDI	YZH
P:3050B	460-100972-A-9-E ^20		460-322700	460-322469	09/15/2015 09:54	20	TAL EDI	QZY
A:6010C	460-100972-A-9-E ^20		460-322700	460-322469	09/15/2015 21:35	20	TAL EDI	YZH
P:7471B	460-100972-A-9-D		460-322506	460-322412	09/15/2015 04:47	1	TAL EDI	TJS
A:7471B	460-100972-A-9-D		460-322506	460-322412	09/15/2015 10:03	1	TAL EDI	TJS
A:Moisture	460-100972-A-9		460-322094		09/12/2015 11:08	1	TAL EDI	VMM

Lab ID: 460-100972-9 MS

Client ID: WC-9

Sample Date/Time: 09/11/2015 09:42 Received Date/Time: 09/11/2015 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-100972-A-9-G MS		460-322700	460-322469	09/15/2015 09:54	4	TAL EDI	QZY
A:6010C	460-100972-A-9-G MS		460-322700	460-322469	09/15/2015 17:32	4	TAL EDI	YZH
P:3050B	460-100972-A-9-G MS		460-322700	460-322469	09/15/2015 09:54	20	TAL EDI	QZY
A:6010C	460-100972-A-9-G MS		460-322700	460-322469	09/15/2015 21:27	20	TAL EDI	YZH

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Laboratory Chronicle

Lab ID: 460-100972-9 DU

Client ID: WC-9

Sample Date/Time: 09/11/2015 09:42 Received Date/Time: 09/11/2015 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-100972-A-9-F DU		460-322700	460-322469	09/15/2015 09:54	4	TAL EDI	QZY
A:6010C	460-100972-A-9-F DU		460-322700	460-322469	09/15/2015 17:21	4	TAL EDI	YZH
P:3050B	460-100972-A-9-F DU		460-322700	460-322469	09/15/2015 09:54	20	TAL EDI	QZY
A:6010C	460-100972-A-9-F DU		460-322700	460-322469	09/15/2015 21:31	20	TAL EDI	YZH

Lab ID: 460-100972-9 SD

Client ID: WC-9

Sample Date/Time: 09/11/2015 09:42 Received Date/Time: 09/11/2015 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	460-100972-A-9-E SD		460-322700	460-322469	09/15/2015 09:54	20	TAL EDI	QZY
A:6010C	460-100972-A-9-E SD		460-322700	460-322469	09/15/2015 17:28	20	TAL EDI	YZH
P:3050B	460-100972-A-9-E PDS		460-322700	460-322469	09/15/2015 09:54	4	TAL EDI	QZY
A:6010C	460-100972-A-9-E PDS		460-322700	460-322469	09/15/2015 17:36	4	TAL EDI	YZH
P:3050B	460-100972-A-9-E PDS		460-322700	460-322469	09/15/2015 09:54	20	TAL EDI	QZY
A:6010C	460-100972-A-9-E PDS		460-322700	460-322469	09/15/2015 21:24	20	TAL EDI	YZH
P:3050B	460-100972-A-9-E SD		460-322700	460-322469	09/15/2015 09:54	100	TAL EDI	QZY
A:6010C	460-100972-A-9-E SD		460-322700	460-322469	09/15/2015 21:39	100	TAL EDI	YZH

Lab ID: 460-100972-10

Client ID: WC-10

Sample Date/Time: 09/11/2015 10:01 Received Date/Time: 09/11/2015 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-100972-A-10-B		460-322656	460-322274	09/14/2015 08:46	2	TAL EDI	HMP
A:8270D	460-100972-A-10-B		460-322656	460-322274	09/16/2015 12:55	2	TAL EDI	MMC
P:3546	460-100972-A-10-C		460-322579	460-322399	09/15/2015 02:35	1	TAL EDI	ARA
A:8082A	460-100972-A-10-C		460-322579	460-322399	09/15/2015 19:42	1	TAL EDI	CBB
P:3050B	460-100972-A-10-E ^4		460-322700	460-322469	09/15/2015 09:54	4	TAL EDI	QZY
A:6010C	460-100972-A-10-E ^4		460-322700	460-322469	09/15/2015 18:20	4	TAL EDI	YZH
P:7471B	460-100972-A-10-D		460-322506	460-322412	09/15/2015 04:47	1	TAL EDI	TJS
A:7471B	460-100972-A-10-D		460-322506	460-322412	09/15/2015 10:09	1	TAL EDI	TJS
A:Moisture	460-100972-A-10		460-322094		09/12/2015 11:08	1	TAL EDI	VMM

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Laboratory Chronicle

Lab ID: 460-100972-11

Client ID: WC-11

Sample Date/Time: 09/11/2015 10:07 Received Date/Time: 09/11/2015 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-100972-A-11-B		460-322389	460-322274	09/14/2015 08:46	1	TAL EDI	HMP
A:8270D	460-100972-A-11-B		460-322389	460-322274	09/15/2015 13:27	1	TAL EDI	CAZ
P:3546	460-100972-A-11-C		460-322579	460-322399	09/15/2015 02:35	1	TAL EDI	ARA
A:8082A	460-100972-A-11-C		460-322579	460-322399	09/15/2015 19:57	1	TAL EDI	CBB
P:3050B	460-100972-A-11-E		460-322700	460-322469	09/15/2015 09:54	4	TAL EDI	QZY
A:6010C	460-100972-A-11-E		460-322700	460-322469	09/15/2015 18:23	4	TAL EDI	YZH
P:7471B	460-100972-A-11-D		460-322506	460-322412	09/15/2015 04:47	1	TAL EDI	TJS
A:7471B	460-100972-A-11-D		460-322506	460-322412	09/15/2015 10:11	1	TAL EDI	TJS
A:Moisture	460-100972-A-11		460-322094		09/12/2015 11:08	1	TAL EDI	VMM

Lab ID: 460-100972-12

Client ID: WC-12

Sample Date/Time: 09/11/2015 10:14 Received Date/Time: 09/11/2015 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-100972-A-12-D		460-322389	460-322274	09/14/2015 08:46	1	TAL EDI	HMP
A:8270D	460-100972-A-12-D		460-322389	460-322274	09/15/2015 06:35	1	TAL EDI	CAZ
P:3546	460-100972-A-12-E		460-322579	460-322399	09/15/2015 02:35	1	TAL EDI	ARA
A:8082A	460-100972-A-12-E		460-322579	460-322399	09/15/2015 20:11	1	TAL EDI	CBB
P:3050B	460-100972-A-12-G		460-322700	460-322469	09/15/2015 09:54	4	TAL EDI	QZY
A:6010C	460-100972-A-12-G		460-322700	460-322469	09/15/2015 18:27	4	TAL EDI	YZH
P:7471B	460-100972-A-12-F		460-322506	460-322412	09/15/2015 04:47	1	TAL EDI	TJS
A:7471B	460-100972-A-12-F		460-322506	460-322412	09/15/2015 10:13	1	TAL EDI	TJS
A:Moisture	460-100972-A-12		460-322094		09/12/2015 11:08	1	TAL EDI	VMM

Lab ID: 460-100972-12 MS

Client ID: WC-12

Sample Date/Time: 09/11/2015 10:14 Received Date/Time: 09/11/2015 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-100972-A-12-B MS		460-322389	460-322274	09/14/2015 08:46	1	TAL EDI	HMP
A:8270D	460-100972-A-12-B MS		460-322389	460-322274	09/15/2015 05:49	1	TAL EDI	CAZ

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Laboratory Chronicle

Lab ID: 460-100972-12 MSD

Client ID: WC-12

Sample Date/Time: 09/11/2015 10:14 Received Date/Time: 09/11/2015 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-100972-A-12-C MSD		460-322389	460-322274	09/14/2015 08:46	1	TAL EDI	HMP
A:8270D	460-100972-A-12-C MSD		460-322389	460-322274	09/15/2015 06:12	1	TAL EDI	CAZ

Lab ID: 460-100972-13

Client ID: WC-13

Sample Date/Time: 09/11/2015 10:30 Received Date/Time: 09/11/2015 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-100972-A-13-C		460-322632	460-322460	09/15/2015 09:39	1	TAL EDI	HMP
A:8270D	460-100972-A-13-C		460-322632	460-322460	09/16/2015 13:13	1	TAL EDI	MMC
P:3546	460-100972-A-13-B		460-322579	460-322399	09/15/2015 08:56	1	TAL EDI	ARA
A:8082A	460-100972-A-13-B		460-322579	460-322399	09/15/2015 21:53	1	TAL EDI	CBB
P:3050B	460-100972-A-13-D ^4		460-322700	460-322469	09/15/2015 09:54	4	TAL EDI	QZY
A:6010C	460-100972-A-13-D ^4		460-322700	460-322469	09/15/2015 18:31	4	TAL EDI	YZH
P:7471B	460-100972-A-13-E		460-322753	460-322635	09/16/2015 04:20	1	TAL EDI	TJS
A:7471B	460-100972-A-13-E		460-322753	460-322635	09/16/2015 08:41	1	TAL EDI	TJS
A:Moisture	460-100972-A-13		460-322101		09/12/2015 12:45	1	TAL EDI	VMM

Lab ID: 460-100972-13 DU

Client ID: WC-13

Sample Date/Time: 09/11/2015 10:30 Received Date/Time: 09/11/2015 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:Moisture	460-100972-A-13 DU		460-322101		09/12/2015 12:45	1	TAL EDI	VMM

Lab ID: 460-100972-14

Client ID: WC-14

Sample Date/Time: 09/11/2015 10:37 Received Date/Time: 09/11/2015 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-100972-A-14-C		460-322632	460-322460	09/15/2015 09:39	1	TAL EDI	HMP
A:8270D	460-100972-A-14-C		460-322632	460-322460	09/16/2015 13:38	1	TAL EDI	MMC
P:3546	460-100972-A-14-B		460-322579	460-322399	09/15/2015 08:56	1	TAL EDI	ARA
A:8082A	460-100972-A-14-B		460-322579	460-322399	09/15/2015 22:07	1	TAL EDI	CBB
P:3050B	460-100972-A-14-D ^4		460-322700	460-322469	09/15/2015 09:54	4	TAL EDI	QZY
A:6010C	460-100972-A-14-D ^4		460-322700	460-322469	09/15/2015 18:46	4	TAL EDI	YZH
P:7471B	460-100972-A-14-E		460-322753	460-322635	09/16/2015 04:20	1	TAL EDI	TJS
A:7471B	460-100972-A-14-E		460-322753	460-322635	09/16/2015 08:34	1	TAL EDI	TJS
A:Moisture	460-100972-A-14		460-322101		09/12/2015 12:45	1	TAL EDI	VMM

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Laboratory Chronicle

Lab ID: 460-100972-14 MS

Client ID: WC-14

Sample Date/Time: 09/11/2015 10:37 Received Date/Time: 09/11/2015 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471B	460-100972-A-14-G MS		460-322753	460-322635	09/16/2015 04:20	1	TAL EDI	TJS
A:7471B	460-100972-A-14-G MS		460-322753	460-322635	09/16/2015 08:39	1	TAL EDI	TJS

Lab ID: 460-100972-14 DU

Client ID: WC-14

Sample Date/Time: 09/11/2015 10:37 Received Date/Time: 09/11/2015 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471B	460-100972-A-14-F DU		460-322753	460-322635	09/16/2015 04:20	1	TAL EDI	TJS
A:7471B	460-100972-A-14-F DU		460-322753	460-322635	09/16/2015 08:36	1	TAL EDI	TJS

Lab ID: 460-100972-14 SD

Client ID: WC-14

Sample Date/Time: 09/11/2015 10:37 Received Date/Time: 09/11/2015 11:30

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471B	460-100972-A-14-E SD		460-322753	460-322635	09/16/2015 04:20	5	TAL EDI	TJS
A:7471B	460-100972-A-14-E SD		460-322753	460-322635	09/16/2015 09:36	5	TAL EDI	TJS

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

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 460-322274/1-A		460-322389	460-322274	09/14/2015 08:46	1	TAL EDI	HMP
A:8270D	MB 460-322274/1-A		460-322389	460-322274	09/15/2015 04:40	1	TAL EDI	CAZ
P:3546	MB 460-322460/1-A		460-322563	460-322460	09/15/2015 09:39	1	TAL EDI	HMP
A:8270D	MB 460-322460/1-A		460-322563	460-322460	09/15/2015 17:34	1	TAL EDI	MMC
P:3546	MB 460-322399/1-A		460-322579	460-322399	09/15/2015 02:35	1	TAL EDI	ARA
A:8082A	MB 460-322399/1-A		460-322579	460-322399	09/15/2015 16:33	1	TAL EDI	CBB
P:3050B	MB 460-322001/1-A		460-322199	460-322001	09/11/2015 17:07	2	TAL EDI	EAE
A:6010C	MB 460-322001/1-A ^2		460-322199	460-322001	09/13/2015 17:14	2	TAL EDI	CDC
P:3050B	MB 460-322469/1-A ^2		460-322700	460-322469	09/15/2015 09:54	2	TAL EDI	QZY
A:6010C	MB 460-322469/1-A ^2		460-322700	460-322469	09/15/2015 17:13	2	TAL EDI	YZH
P:7471B	MB 460-322411/10-A		460-322506	460-322411	09/15/2015 04:17	1	TAL EDI	TJS
A:7471B	MB 460-322411/10-A		460-322506	460-322411	09/15/2015 08:39	1	TAL EDI	TJS
P:7471B	MB 460-322412/10-A		460-322506	460-322412	09/15/2015 04:47	1	TAL EDI	TJS
A:7471B	MB 460-322412/10-A		460-322506	460-322412	09/15/2015 09:45	1	TAL EDI	TJS
P:7471B	MB 460-322635/10-A		460-322753	460-322635	09/16/2015 04:20	1	TAL EDI	TJS
A:7471B	MB 460-322635/10-A		460-322753	460-322635	09/16/2015 08:30	1	TAL EDI	TJS

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 460-322274/3-A		460-322389	460-322274	09/14/2015 08:46	1	TAL EDI	HMP
A:8270D	LCS 460-322274/3-A		460-322389	460-322274	09/15/2015 05:26	1	TAL EDI	CAZ
P:3546	LCS 460-322460/3-A		460-322632	460-322460	09/15/2015 09:39	1	TAL EDI	HMP
A:8270D	LCS 460-322460/3-A		460-322632	460-322460	09/16/2015 12:47	1	TAL EDI	MMC
P:3546	LCS 460-322399/2-A		460-322579	460-322399	09/15/2015 02:35	1	TAL EDI	ARA
A:8082A	LCS 460-322399/2-A		460-322579	460-322399	09/15/2015 16:48	1	TAL EDI	CBB

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

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		460-322199	460-322001	09/11/2015 17:07	4	TAL EDI	EAE
A:6010C	460-322001/2-A ^4		460-322199	460-322001	09/13/2015 16:59	4	TAL EDI	CDC
P:3050B	LCSSRM		460-322700	460-322469	09/15/2015 09:54	4	TAL EDI	QZY
A:6010C	460-322469/2-A		460-322700	460-322469	09/15/2015 17:17	4	TAL EDI	YZH
P:7471B	LCSSRM		460-322506	460-322411	09/15/2015 04:17	20	TAL EDI	TJS
A:7471B	460-322411/11-A ^20		460-322506	460-322411	09/15/2015 08:41	20	TAL EDI	TJS
P:7471B	LCSSRM		460-322506	460-322412	09/15/2015 04:47	20	TAL EDI	TJS
A:7471B	460-322412/11-A ^20		460-322506	460-322412	09/15/2015 09:47	20	TAL EDI	TJS
P:7471B	LCSSRM		460-322753	460-322635	09/16/2015 04:20	20	TAL EDI	TJS
A:7471B	460-322635/11-A ^20		460-322753	460-322635	09/16/2015 08:33	20	TAL EDI	TJS

Lab ID: MS

Client ID: N/A

Sample Date/Time: 09/03/2015 13:00

Received Date/Time: 09/04/2015 15:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-100738-F-9-C		460-322563	460-322460	09/15/2015 09:39	1	TAL EDI	HMP
A:8270D	MS		460-322563	460-322460	09/15/2015 20:57	1	TAL EDI	MMC
P:7471B	460-100954-E-14-C		460-322506	460-322411	09/15/2015 04:17	1	TAL EDI	TJS
A:7471B	MS		460-322506	460-322411	09/15/2015 08:48	1	TAL EDI	TJS
P:7471B	460-101015-A-9-E		460-322506	460-322412	09/15/2015 04:47	1	TAL EDI	TJS
A:7471B	MS		460-322506	460-322412	09/15/2015 09:53	1	TAL EDI	TJS

Lab ID: MSD

Client ID: N/A

Sample Date/Time: 09/03/2015 13:00

Received Date/Time: 09/04/2015 15:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	460-100738-F-9-D		460-322563	460-322460	09/15/2015 09:39	1	TAL EDI	HMP
A:8270D	MSD		460-322563	460-322460	09/15/2015 21:22	1	TAL EDI	MMC

Quality Control Results

Client: EcolSciences, Inc.

Job Number: 460-100972-1

Laboratory Chronicle

Lab ID: DU

Client ID: N/A

Sample Date/Time: 09/10/2015 13:30 Received Date/Time: 09/10/2015 16:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471B	460-100954-E-14-B DU		460-322506	460-322411	09/15/2015 04:17	1	TAL EDI	TJS
A:7471B	460-100954-E-14-B DU		460-322506	460-322411	09/15/2015 08:46	1	TAL EDI	TJS
P:7471B	460-101015-A-9-D DU		460-322506	460-322412	09/15/2015 04:47	1	TAL EDI	TJS
A:7471B	460-101015-A-9-D DU		460-322506	460-322412	09/15/2015 09:51	1	TAL EDI	TJS
A:Moisture	460-101026-A-9 DU		460-322094		09/12/2015 11:08	1	TAL EDI	VMM

Lab ID: SD

Client ID: N/A

Sample Date/Time: 09/10/2015 13:30 Received Date/Time: 09/10/2015 16:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471B	460-100954-E-14-A SD		460-322506	460-322411	09/15/2015 04:17	5	TAL EDI	TJS
A:7471B	460-100954-E-14-A SD		460-322506	460-322411	09/15/2015 09:39	5	TAL EDI	TJS
P:7471B	460-101015-A-9-C SD		460-322506	460-322412	09/15/2015 04:47	5	TAL EDI	TJS
A:7471B	460-101015-A-9-C SD		460-322506	460-322412	09/15/2015 10:49	5	TAL EDI	TJS

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.: 460-100972-1
 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 #
WC-1	460-100972-1	60	73	54
WC-2	460-100972-2	55	66	49
WC-3	460-100972-3	87	104	91
WC-4	460-100972-4	65	77	54
WC-5	460-100972-5	57	70	48
WC-6	460-100972-6	62	75	51
WC-7	460-100972-7	61	71	62
WC-8	460-100972-8	63	73	50
WC-9	460-100972-9	54	60	47
WC-10	460-100972-10	62	78	68
WC-11	460-100972-11	64	78	55
WC-12	460-100972-12	61	72	73
WC-13	460-100972-13	53	58	42
WC-14	460-100972-14	57	63	52
	MB 460-322274/1-A	74	81	99
	MB 460-322460/1-A	73	79	91
	LCS 460-322274/3-A	74	85	95
	LCS 460-322460/3-A	70	78	80
WC-12 MS	460-100972-12 MS	60	73	73
	460-100738-F-9-C MS	44	49	54
WC-12 MSD	460-100972-12 MSD	64	78	71
	460-100738-F-9-D MSD	56	61	67

	<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.: 460-100972-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: z36329.D
 Lab ID: LCS 460-322274/3-A Client ID: _____

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Naphthalene	3.33	2.64	79	70-130	
2-Methylnaphthalene	3.33	2.80	84	70-130	
Acenaphthylene	3.33	2.85	85	70-130	
Acenaphthene	3.33	2.69	81	70-130	
Fluorene	3.33	2.82	85	70-130	
Phenanthrene	3.33	2.86	86	70-130	
Anthracene	3.33	2.93	88	70-130	
Fluoranthene	3.33	2.73	82	70-130	
Pyrene	3.33	3.09	93	70-130	
Benzo[a]anthracene	3.33	2.93	88	70-130	
Chrysene	3.33	3.08	92	70-130	
Benzo[b]fluoranthene	3.33	3.21	96	70-130	
Benzo[k]fluoranthene	3.33	2.98	90	70-130	
Benzo[a]pyrene	3.33	3.19	96	70-130	
Indeno[1,2,3-cd]pyrene	3.33	2.94	88	70-130	
Dibenz(a,h)anthracene	3.33	2.90	87	70-130	
Benzo[g,h,i]perylene	3.33	2.92	88	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.: 460-100972-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: L125809.D
 Lab ID: LCS 460-322460/3-A Client ID: _____

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Naphthalene	3.33	2.36	71	70-130	
2-Methylnaphthalene	3.33	2.34	70	70-130	
Acenaphthylene	3.33	2.50	75	70-130	
Acenaphthene	3.33	2.28	69	70-130	*
Fluorene	3.33	2.33	70	70-130	
Phenanthrene	3.33	2.48	74	70-130	
Anthracene	3.33	2.49	75	70-130	
Fluoranthene	3.33	2.51	75	70-130	
Pyrene	3.33	2.41	72	70-130	
Benzo[a]anthracene	3.33	2.47	74	70-130	
Chrysene	3.33	2.60	78	70-130	
Benzo[b]fluoranthene	3.33	2.75	82	70-130	
Benzo[k]fluoranthene	3.33	2.55	77	70-130	
Benzo[a]pyrene	3.33	2.70	81	70-130	
Indeno[1,2,3-cd]pyrene	3.33	2.52	75	70-130	
Dibenz(a,h)anthracene	3.33	2.44	73	70-130	
Benzo[g,h,i]perylene	3.33	2.50	75	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.: 460-100972-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: z36330.D
 Lab ID: 460-100972-12 MS Client ID: WC-12 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Naphthalene	3.93	0.031 J	2.51	63	70-130	F1
2-Methylnaphthalene	3.93	0.020 J	2.61	66	70-130	F1
Acenaphthylene	3.93	0.010 U	2.72	69	70-130	F1
Acenaphthene	3.93	0.16 J	2.51	60	70-130	F1
Fluorene	3.93	0.13 J	2.63	64	70-130	F1
Phenanthrene	3.93	1.7	3.57	48	70-130	F1
Anthracene	3.93	0.53	2.89	60	70-130	F1
Fluoranthene	3.93	3.0	4.12	29	70-130	F1
Pyrene	3.93	2.6	4.25	43	70-130	F1
Benzo[a]anthracene	3.93	1.3	3.48	55	70-130	F1
Chrysene	3.93	1.4	3.68	58	70-130	F1
Benzo[b]fluoranthene	3.93	1.4	3.52	53	70-130	F1
Benzo[k]fluoranthene	3.93	0.52	3.09	65	70-130	F1
Benzo[a]pyrene	3.93	1.0	3.51	64	70-130	F1
Indeno[1,2,3-cd]pyrene	3.93	0.76	3.61	72	70-130	
Dibenz(a,h)anthracene	3.93	0.21	3.18	76	70-130	
Benzo[g,h,i]perylene	3.93	0.64	3.67	77	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.: 460-100972-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: L125773.D
 Lab ID: 460-100738-F-9-C MS Client ID: _____

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Naphthalene	3.33	0.0084 U	1.41	42	70-130	F1
2-Methylnaphthalene	3.33	0.0073 U	1.41	42	70-130	F1
Acenaphthylene	3.33	0.0085 U	1.49	45	70-130	F1
Acenaphthene	3.33	0.0080 U	1.37	41	70-130	F1 *
Fluorene	3.33	0.0072 U	1.44	43	70-130	F1
Phenanthrene	3.33	0.0088 U	1.49	45	70-130	F1
Anthracene	3.33	0.031 U	1.49	45	70-130	F1
Fluoranthene	3.33	0.0098 U	1.49	45	70-130	F1
Pyrene	3.33	0.015 U	1.55	46	70-130	F1
Benzo[a]anthracene	3.33	0.028 U	1.49	45	70-130	F1
Chrysene	3.33	0.0090 U	1.59	48	70-130	F1
Benzo[b]fluoranthene	3.33	0.013 U	1.62	49	70-130	F1
Benzo[k]fluoranthene	3.33	0.014 U	1.57	47	70-130	F1
Benzo[a]pyrene	3.33	0.010 U	1.61	48	70-130	F1
Indeno[1,2,3-cd]pyrene	3.33	0.022 U	1.35	41	70-130	F1
Dibenz(a,h)anthracene	3.33	0.017 U	1.44	43	70-130	F1
Benzo[g,h,i]perylene	3.33	0.019 U	1.45	44	70-130	F1

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.: 460-100972-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: z36331.D
 Lab ID: 460-100972-12 MSD Client ID: WC-12 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Naphthalene	3.92	2.65	67	6	30	70-130	F1
2-Methylnaphthalene	3.92	2.66	67	2	30	70-130	F1
Acenaphthylene	3.92	2.84	72	4	30	70-130	
Acenaphthene	3.92	2.64	63	5	30	70-130	F1
Fluorene	3.92	2.72	66	3	30	70-130	F1
Phenanthrene	3.92	4.23	64	17	30	70-130	F1
Anthracene	3.92	3.16	67	9	30	70-130	F1
Fluoranthene	3.92	5.23	57	24	30	70-130	F1
Pyrene	3.92	4.74	56	11	30	70-130	F1
Benzo[a]anthracene	3.92	3.95	67	12	30	70-130	F1
Chrysene	3.92	4.23	72	14	30	70-130	
Benzo[b]fluoranthene	3.92	4.19	70	18	30	70-130	
Benzo[k]fluoranthene	3.92	3.04	64	2	30	70-130	F1
Benzo[a]pyrene	3.92	3.93	75	11	30	70-130	
Indeno[1,2,3-cd]pyrene	3.92	4.15	86	14	30	70-130	
Dibenz(a,h)anthracene	3.92	3.56	85	11	30	70-130	
Benzo[g,h,i]perylene	3.92	4.39	96	18	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.: 460-100972-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: L125774.D
 Lab ID: 460-100738-F-9-D MSD Client ID: _____

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Naphthalene	3.32	1.73	52	20	30	70-130	F1
2-Methylnaphthalene	3.32	1.73	52	20	30	70-130	F1
Acenaphthylene	3.32	1.85	56	21	30	70-130	F1
Acenaphthene	3.32	1.70	51	21	30	70-130	F1 *
Fluorene	3.32	1.78	53	21	30	70-130	F1
Phenanthrene	3.32	1.82	55	20	30	70-130	F1
Anthracene	3.32	1.81	54	20	30	70-130	F1
Fluoranthene	3.32	1.89	57	23	30	70-130	F1
Pyrene	3.32	1.85	56	18	30	70-130	F1
Benzo[a]anthracene	3.32	1.82	55	20	30	70-130	F1
Chrysene	3.32	1.93	58	19	30	70-130	F1
Benzo[b]fluoranthene	3.32	1.98	60	20	30	70-130	F1
Benzo[k]fluoranthene	3.32	1.98	60	23	30	70-130	F1
Benzo[a]pyrene	3.32	1.98	60	21	30	70-130	F1
Indeno[1,2,3-cd]pyrene	3.32	1.55	47	14	30	70-130	F1
Dibenz(a,h)anthracene	3.32	1.70	51	17	30	70-130	F1
Benzo[g,h,i]perylene	3.32	1.68	51	15	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.: 460-100972-1
 SDG No.: _____
 Lab File ID: z36327.D Lab Sample ID: MB 460-322274/1-A
 Matrix: Solid Date Extracted: 09/14/2015 08:46
 Instrument ID: CBNAMS11 Date Analyzed: 09/15/2015 04:40
 Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-322274/3-A	z36329.D	09/15/2015 05:26
WC-12 MS	460-100972-12 MS	z36330.D	09/15/2015 05:49
WC-12 MSD	460-100972-12 MSD	z36331.D	09/15/2015 06:12
WC-12	460-100972-12	z36332.D	09/15/2015 06:35
WC-1	460-100972-1	z36340.D	09/15/2015 09:38
WC-2	460-100972-2	z36341.D	09/15/2015 10:01
WC-4	460-100972-4	z36343.D	09/15/2015 10:47
WC-5	460-100972-5	z36344.D	09/15/2015 11:10
WC-6	460-100972-6	z36345.D	09/15/2015 11:33
WC-8	460-100972-8	z36347.D	09/15/2015 12:19
WC-11	460-100972-11	z36350.D	09/15/2015 13:27
WC-3	460-100972-3	x6427.D	09/15/2015 13:51
WC-7	460-100972-7	x6430.D	09/15/2015 15:03
WC-9	460-100972-9	L125783.D	09/16/2015 01:10
WC-10	460-100972-10	z36373.D	09/16/2015 12:55

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-100972-1
SDG No.: _____
Lab File ID: L125765.D Lab Sample ID: MB 460-322460/1-A
Matrix: Solid Date Extracted: 09/15/2015 09:39
Instrument ID: CBNAMS12 Date Analyzed: 09/15/2015 17:34
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	460-100738-F-9-C MS	L125773.D	09/15/2015 20:57
	460-100738-F-9-D MSD	L125774.D	09/15/2015 21:22
	LCS 460-322460/3-A	L125809.D	09/16/2015 12:47
WC-13	460-100972-13	L125810.D	09/16/2015 13:13
WC-14	460-100972-14	L125811.D	09/16/2015 13:38

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

Lab Name: TestAmerica Edison Job No.: 460-100972-1
SDG No.: _____
Lab File ID: z36194.D DFTPP Injection Date: 09/10/2015
Instrument ID: CBNAMS11 DFTPP Injection Time: 00:53
Analysis Batch No.: 321563

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	54.3
68	Less than 2.0 % of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	55.5
70	Less than 2.0 % of mass 69	0.5 (0.9)1
127	40.0 - 60.0 % of mass 198	57.6
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	6.4
275	10.0 - 30.0 % of mass 198	29.3
365	Greater than 1.0 % of mass 198	5.4
441	Present but less than mass 443	20.6 (78.2)3
442	Greater than 40.0 % of mass 198	130.4
443	17.0 - 23.0 % of mass 442	26.4 (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
	ICIS 460-321563/2	z36195.D	09/10/2015	01:44
	STD120 460-321563/3	z36196.D	09/10/2015	02:30
	STD80 460-321563/4	z36197.D	09/10/2015	02:53
	STD20 460-321563/5	z36198.D	09/10/2015	03:16
	STD10 460-321563/6	z36199.D	09/10/2015	03:39
	STD5 460-321563/7	z36200.D	09/10/2015	04:02
	STD2 460-321563/8	z36201.D	09/10/2015	04:25
	STD1 460-321563/9	z36202.D	09/10/2015	04:48
	STD05 460-321563/10	z36203.D	09/10/2015	05:11

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

Lab Name: TestAmerica Edison Job No.: 460-100972-1
SDG No.: _____
Lab File ID: z36323.D DFTPP Injection Date: 09/15/2015
Instrument ID: CBNAMS11 DFTPP Injection Time: 02:35
Analysis Batch No.: 322389

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	0.8 (1.8)1
69	Mass 69 relative abundance	44.2
70	Less than 2.0 % of mass 69	0.4 (0.8)1
127	40.0 - 60.0 % of mass 198	49.6
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	7.0
275	10.0 - 30.0 % of mass 198	27.3
365	Greater than 1.0 % of mass 198	3.8
441	Present but less than mass 443	16.6 (83.7)3
442	Greater than 40.0 % of mass 198	106.8
443	17.0 - 23.0 % of mass 442	19.9 (18.6)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 460-322389/2	z36324.D	09/15/2015	03:23
	MB 460-322274/1-A	z36327.D	09/15/2015	04:40
	LCS 460-322274/3-A	z36329.D	09/15/2015	05:26
WC-12 MS	460-100972-12 MS	z36330.D	09/15/2015	05:49
WC-12 MSD	460-100972-12 MSD	z36331.D	09/15/2015	06:12
WC-12	460-100972-12	z36332.D	09/15/2015	06:35
WC-1	460-100972-1	z36340.D	09/15/2015	09:38
WC-2	460-100972-2	z36341.D	09/15/2015	10:01
WC-4	460-100972-4	z36343.D	09/15/2015	10:47
WC-5	460-100972-5	z36344.D	09/15/2015	11:10
WC-6	460-100972-6	z36345.D	09/15/2015	11:33
WC-8	460-100972-8	z36347.D	09/15/2015	12:19
WC-11	460-100972-11	z36350.D	09/15/2015	13:27

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

Lab Name: TestAmerica Edison Job No.: 460-100972-1
 SDG No.: _____
 Lab File ID: z36357.D DFTPP Injection Date: 09/16/2015
 Instrument ID: CBNAMS11 DFTPP Injection Time: 06:25
 Analysis Batch No.: 322656

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	41.4
68	Less than 2.0 % of mass 69	0.8 (2.0)1
69	Mass 69 relative abundance	42.3
70	Less than 2.0 % of mass 69	0.2 (0.6)1
127	40.0 - 60.0 % of mass 198	50.4
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	7.2
275	10.0 - 30.0 % of mass 198	29.6
365	Greater than 1.0 % of mass 198	4.2
441	Present but less than mass 443	16.5 (73.5)3
442	Greater than 40.0 % of mass 198	115.9
443	17.0 - 23.0 % of mass 442	22.5 (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 460-322656/2	z36358.D	09/16/2015	06:43
WC-10	460-100972-10	z36373.D	09/16/2015	12:55

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

Lab Name: TestAmerica Edison Job No.: 460-100972-1
SDG No.: _____
Lab File ID: L125021.D DFTPP Injection Date: 08/27/2015
Instrument ID: CBNAMS12 DFTPP Injection Time: 02:21
Analysis Batch No.: 319112

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	38.8
68	Less than 2.0 % of mass 69	0.8 (1.9)1
69	Mass 69 relative abundance	43.4
70	Less than 2.0 % of mass 69	0.4 (0.8)1
127	40.0 - 60.0 % of mass 198	50.9
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	7.0
275	10.0 - 30.0 % of mass 198	27.2
365	Greater than 1.0 % of mass 198	3.8
441	Present but less than mass 443	22.0 (77.2)3
442	Greater than 40.0 % of mass 198	145.3
443	17.0 - 23.0 % of mass 442	28.4 (19.6)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 460-319112/2	L125022.D	08/27/2015	02:51
	STD120 460-319112/3	L125023.D	08/27/2015	03:16
	STD80 460-319112/4	L125024.D	08/27/2015	03:42
	STD20 460-319112/5	L125025.D	08/27/2015	04:08
	STD10 460-319112/6	L125026.D	08/27/2015	04:33
	STD5 460-319112/7	L125027.D	08/27/2015	04:59
	STD2 460-319112/8	L125028.D	08/27/2015	05:25
	STD1 460-319112/9	L125029.D	08/27/2015	05:50
	STD05 460-319112/10	L125030.D	08/27/2015	06:16

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

Lab Name: TestAmerica Edison Job No.: 460-100972-1
SDG No.: _____
Lab File ID: L125761.D DFTPP Injection Date: 09/15/2015
Instrument ID: CBNAMS12 DFTPP Injection Time: 15:54
Analysis Batch No.: 322563

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	33.0
68	Less than 2.0 % of mass 69	0.7 (1.8)1
69	Mass 69 relative abundance	37.3
70	Less than 2.0 % of mass 69	0.0 (0.0)1
127	40.0 - 60.0 % of mass 198	45.6
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	7.0
275	10.0 - 30.0 % of mass 198	29.2
365	Greater than 1.0 % of mass 198	3.9
441	Present but less than mass 443	23.3 (76.7)3
442	Greater than 40.0 % of mass 198	158.0
443	17.0 - 23.0 % of mass 442	30.3 (19.2)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 460-322563/2	L125762.D	09/15/2015	16:14
	MB 460-322460/1-A	L125765.D	09/15/2015	17:34
	460-100738-F-9-C MS	L125773.D	09/15/2015	20:57
	460-100738-F-9-D MSD	L125774.D	09/15/2015	21:22
WC-9	460-100972-9	L125783.D	09/16/2015	01:10

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

Lab Name: TestAmerica Edison Job No.: 460-100972-1
SDG No.: _____
Lab File ID: L125791.D DFTPP Injection Date: 09/16/2015
Instrument ID: CBNAMS12 DFTPP Injection Time: 04:41
Analysis Batch No.: 322632

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	32.5
68	Less than 2.0 % of mass 69	0.6 (1.5)1
69	Mass 69 relative abundance	37.0
70	Less than 2.0 % of mass 69	0.0 (0.0)1
127	40.0 - 60.0 % of mass 198	46.4
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	6.5
275	10.0 - 30.0 % of mass 198	28.4
365	Greater than 1.0 % of mass 198	4.0
441	Present but less than mass 443	24.0 (80.7)3
442	Greater than 40.0 % of mass 198	158.5
443	17.0 - 23.0 % of mass 442	29.8 (18.8)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 460-322632/2	L125792.D	09/16/2015	05:01
	LCS 460-322460/3-A	L125809.D	09/16/2015	12:47
WC-13	460-100972-13	L125810.D	09/16/2015	13:13
WC-14	460-100972-14	L125811.D	09/16/2015	13:38

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

Lab Name: TestAmerica Edison Job No.: 460-100972-1
SDG No.: _____
Lab File ID: x5993.D DFTPP Injection Date: 09/03/2015
Instrument ID: CBNAMS5 DFTPP Injection Time: 01:23
Analysis Batch No.: 320549

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	44.6
68	Less than 2.0 % of mass 69	0.8 (1.9) 1
69	Mass 69 relative abundance	44.2
70	Less than 2.0 % of mass 69	0.5 (1.2) 1
127	40.0 - 60.0 % of mass 198	55.4
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	7.0
275	10.0 - 30.0 % of mass 198	28.1
365	Greater than 1.0 % of mass 198	4.5
441	Present but less than mass 443	15.8 (79.5) 3
442	Greater than 40.0 % of mass 198	106.9
443	17.0 - 23.0 % of mass 442	19.8 (18.6) 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 460-320549/2	x5994.D	09/03/2015	01:41
	STD120 460-320549/3	x5995.D	09/03/2015	02:23
	STD80 460-320549/4	x5996.D	09/03/2015	02:47
	STD20 460-320549/5	x5997.D	09/03/2015	03:11
	STD10 460-320549/6	x5998.D	09/03/2015	03:35
	STD5 460-320549/7	x5999.D	09/03/2015	03:59
	STD2 460-320549/8	x6000.D	09/03/2015	04:23
	STD1 460-320549/9	x6001.D	09/03/2015	04:47
	STD05 460-320549/10	x6002.D	09/03/2015	05:11

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

Lab Name: TestAmerica Edison Job No.: 460-100972-1
 SDG No.: _____
 Lab File ID: x6401.D DFTPP Injection Date: 09/15/2015
 Instrument ID: CBNAMS5 DFTPP Injection Time: 03:25
 Analysis Batch No.: 322397

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	32.4
68	Less than 2.0 % of mass 69	0.4 (1.2)1
69	Mass 69 relative abundance	36.1
70	Less than 2.0 % of mass 69	0.3 (0.8)1
127	40.0 - 60.0 % of mass 198	45.8
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	6.0
275	10.0 - 30.0 % of mass 198	28.2
365	Greater than 1.0 % of mass 198	3.6
441	Present but less than mass 443	21.2 (76.0)3
442	Greater than 40.0 % of mass 198	126.0
443	17.0 - 23.0 % of mass 442	27.9 (22.1)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 460-322397/2	x6402.D	09/15/2015	03:40
WC-3	460-100972-3	x6427.D	09/15/2015	13:51
WC-7	460-100972-7	x6430.D	09/15/2015	15:03

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

Lab Name: TestAmerica Edison Job No.: 460-100972-1
 SDG No.: _____
 Sample No.: CCVIS 460-322389/2 Date Analyzed: 09/15/2015 03:23
 Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): z36324.D Heated Purge: (Y/N) N
 Calibration ID: 52197

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		429001	4.53	1422103	5.82	622006	7.58
UPPER LIMIT		858002	5.03	2844206	6.32	1244012	8.08
LOWER LIMIT		214501	4.03	711052	5.32	311003	7.08
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-322274/1-A		468732	4.52	1842932	5.80	963290	7.57
LCS 460-322274/3-A		423627	4.53	1534224	5.81	721379	7.57
460-100972-12 MS	WC-12 MS	472722	4.53	1673447	5.81	734577	7.57
460-100972-12 MSD	WC-12 MSD	423170	4.53	1460986	5.81	602404	7.57
460-100972-12	WC-12	469203	4.53	1668651	5.80	734488	7.56
460-100972-1	WC-1	309744	4.53	991711	5.80	416647	7.57
460-100972-2	WC-2	295248	4.52	932335	5.80	388330	7.57
460-100972-4	WC-4	313754	4.52	975316	5.80	405309	7.57
460-100972-5	WC-5	287865	4.54	932101	5.81	390530	7.57
460-100972-6	WC-6	293463	4.54	950460	5.81	399930	7.57
460-100972-8	WC-8	259658	4.54	833369	5.81	357610	7.57
460-100972-11	WC-11	316337	4.53	1005963	5.81	415519	7.57

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.: 460-100972-1
 SDG No.: _____
 Sample No.: CCVIS 460-322389/2 Date Analyzed: 09/15/2015 03:23
 Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): z36324.D Heated Purge: (Y/N) N
 Calibration ID: 52197

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	707642	9.05	359294	11.87	274565	13.86
UPPER LIMIT	1415284	9.55	718588	12.37	549130	14.36
LOWER LIMIT	353821	8.55	179647	11.37	137283	13.36
LAB SAMPLE ID	CLIENT SAMPLE ID					
MB 460-322274/1-A		1229762	9.04	566585	11.87	395668 13.85
LCS 460-322274/3-A		854923	9.04	435368	11.87	328948 13.85
460-100972-12 MS	WC-12 MS	819496	9.04	432867	11.87	384046 13.86
460-100972-12 MSD	WC-12 MSD	647770	9.04	378469	11.87	372669 13.86
460-100972-12	WC-12	876248	9.04	510441	11.87	444608 13.86
460-100972-1	WC-1	521931	9.04	480447	11.88	495288 13.86
460-100972-2	WC-2	490066	9.04	471180	11.88	469123 13.86
460-100972-4	WC-4	508061	9.04	500854	11.88	475604 13.87
460-100972-5	WC-5	490567	9.04	493356	11.88	435895 13.87
460-100972-6	WC-6	506355	9.04	500613	11.89	435587 13.87
460-100972-8	WC-8	465572	9.04	504934	11.89	421123 13.87
460-100972-11	WC-11	523256	9.05	519722	11.89	354855 13.87

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.: 460-100972-1
 SDG No.: _____
 Sample No.: CCVIS 460-322656/2 Date Analyzed: 09/16/2015 06:43
 Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): z36358.D Heated Purge: (Y/N) N
 Calibration ID: 52197

	DCB		NPT		ANT	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	340329	4.50	1159053	5.79	554706	7.55
UPPER LIMIT	680658	5.00	2318106	6.29	1109412	8.05
LOWER LIMIT	170165	4.00	579527	5.29	277353	7.05
LAB SAMPLE ID	CLIENT SAMPLE ID					
460-100972-10	WC-10		285803	4.50	964361	5.79
					416716	7.55

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.: 460-100972-1
 SDG No.: _____
 Sample No.: CCVIS 460-322656/2 Date Analyzed: 09/16/2015 06:43
 Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): z36358.D Heated Purge: (Y/N) N
 Calibration ID: 52197

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	738089	9.02	402351	11.85	270086	13.82
UPPER LIMIT	1476178	9.52	804702	12.35	540172	14.32
LOWER LIMIT	369045	8.52	201176	11.35	135043	13.32
LAB SAMPLE ID	CLIENT SAMPLE ID					
460-100972-10	WC-10		461901	9.02	279052	11.85
					348157	13.83

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.: 460-100972-1
 SDG No.: _____
 Sample No.: CCVIS 460-322563/2 Date Analyzed: 09/15/2015 16:14
 Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): L125762.D Heated Purge: (Y/N) N
 Calibration ID: 51985

	DCB		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	87095	4.30	293680	5.59	140916	7.35	
UPPER LIMIT	174190	4.80	587360	6.09	281832	7.85	
LOWER LIMIT	43548	3.80	146840	5.09	70458	6.85	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-322460/1-A		125195	4.30	451460	5.58	219265	7.35
460-100738-F-9-C MS		99400	4.30	345306	5.58	167656	7.35
460-100738-F-9-D MSD		108404	4.30	369879	5.58	178316	7.35
460-100972-9	WC-9	86108	4.30	298567	5.58	147379	7.34

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.: 460-100972-1
 SDG No.: _____
 Sample No.: CCVIS 460-322563/2 Date Analyzed: 09/15/2015 16:14
 Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): L125762.D Heated Purge: (Y/N) N
 Calibration ID: 51985

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	202984	8.82	196901	11.60	216188	13.52	
UPPER LIMIT	405968	9.32	393802	12.10	432376	14.02	
LOWER LIMIT	101492	8.32	98451	11.10	108094	13.02	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-322460/1-A		303299	8.81	208116	11.59	168264	13.52
460-100738-F-9-C MS		235788	8.81	165884	11.58	149390	13.52
460-100738-F-9-D MSD		252602	8.81	186923	11.59	165134	13.52
460-100972-9	WC-9	205540	8.81	221623	11.58	311272	13.52

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.: 460-100972-1
 SDG No.: _____
 Sample No.: CCVIS 460-322632/2 Date Analyzed: 09/16/2015 05:01
 Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): L125792.D Heated Purge: (Y/N) N
 Calibration ID: 51985

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		134195	4.30	429178	5.59	191071	7.35
UPPER LIMIT		268390	4.80	858356	6.09	382142	7.85
LOWER LIMIT		67098	3.80	214589	5.09	95536	6.85
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 460-322460/3-A		201892	4.30	664939	5.59	314546	7.35
460-100972-13	WC-13	107132	4.30	345531	5.58	163174	7.34
460-100972-14	WC-14	142818	4.30	475312	5.58	233080	7.34

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.: 460-100972-1
 SDG No.: _____
 Sample No.: CCVIS 460-322632/2 Date Analyzed: 09/16/2015 05:01
 Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): L125792.D Heated Purge: (Y/N) N
 Calibration ID: 51985

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		246498	8.82	252309	11.59	287923	13.53
UPPER LIMIT		492996	9.32	504618	12.09	575846	14.03
LOWER LIMIT		123249	8.32	126155	11.09	143962	13.03
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 460-322460/3-A		413598	8.81	310015	11.59	294791	13.52
460-100972-13	WC-13	247576	8.81	350294	11.58	380992	13.52
460-100972-14	WC-14	335457	8.81	354514	11.59	418484	13.52

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.: 460-100972-1
 SDG No.: _____
 Sample No.: CCVIS 460-322397/2 Date Analyzed: 09/15/2015 03:40
 Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): x6402.D Heated Purge: (Y/N) N
 Calibration ID: 52113

	DCB		NPT		ANT	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	356119	4.26	1100654	5.54	498273	7.29
UPPER LIMIT	712238	4.76	2201308	6.04	996546	7.79
LOWER LIMIT	178060	3.76	550327	5.04	249137	6.79
LAB SAMPLE ID	CLIENT SAMPLE ID					
460-100972-3	WC-3		234306	4.25	746844	5.53
460-100972-7	WC-7		298931	4.26	933555	5.53
					330512	7.28
					393505	7.28

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.: 460-100972-1
 SDG No.: _____
 Sample No.: CCVIS 460-322397/2 Date Analyzed: 09/15/2015 03:40
 Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil MS ID: 0.25 (mm)
 Lab File ID (Standard): x6402.D Heated Purge: (Y/N) N
 Calibration ID: 52113

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	609514	8.74	403353	11.49	341127	13.39
UPPER LIMIT	1219028	9.24	806706	11.99	682254	13.89
LOWER LIMIT	304757	8.24	201677	10.99	170564	12.89
LAB SAMPLE ID	CLIENT SAMPLE ID					
460-100972-3	WC-3	407356	8.74	268368	11.49	349653 13.39
460-100972-7	WC-7	472843	8.74	324618	11.49	440415 13.39

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>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-1</u>	Lab Sample ID: <u>460-100972-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z36340.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>09/11/2015 08:31</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>09/14/2015 08:46</u>
Sample wt/vol: <u>15.0395(g)</u>	Date Analyzed: <u>09/15/2015 09:38</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>16.8</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322389</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.039	J	0.40	0.010
91-57-6	2-Methylnaphthalene	0.035	J	0.40	0.0087
208-96-8	Acenaphthylene	0.042	J	0.40	0.010
83-32-9	Acenaphthene	0.13	J	0.40	0.0096
86-73-7	Fluorene	0.16	J	0.40	0.0086
85-01-8	Phenanthrene	1.4		0.40	0.011
120-12-7	Anthracene	0.40		0.40	0.038
206-44-0	Fluoranthene	2.2		0.40	0.012
129-00-0	Pyrene	1.3		0.40	0.018
56-55-3	Benzo[a]anthracene	0.90		0.040	0.033
218-01-9	Chrysene	1.1		0.40	0.011
205-99-2	Benzo[b]fluoranthene	1.1		0.040	0.015
207-08-9	Benzo[k]fluoranthene	0.40		0.040	0.017
50-32-8	Benzo[a]pyrene	0.84		0.040	0.012
193-39-5	Indeno[1,2,3-cd]pyrene	0.43		0.040	0.026
53-70-3	Dibenz(a,h)anthracene	0.14		0.040	0.021
191-24-2	Benzo[g,h,i]perylene	0.32	J	0.40	0.023

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	60		30-130
1718-51-0	Terphenyl-d14	54		30-130
321-60-8	2-Fluorobiphenyl	73		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\z36340.D
 Lims ID: 460-100972-A-1-B Lab Sample ID: 460-100972-1
 Client ID: WC-1
 Sample Type: Client
 Inject. Date: 15-Sep-2015 09:38:30 ALS Bottle#: 18 Worklist Smp#: 18
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031763-018
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 15-Sep-2015 17:12:54 Calib Date: 10-Sep-2015 07:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150909-31608.b\z36210.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK048

First Level Reviewer: manlangitf

Date: 15-Sep-2015 10:20:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	4.528	4.528	0.000	97	309744	40.0	
\$ 26 Nitrobenzene-d5	82	5.075	5.092	-0.017	88	315815	30.2	
* 38 Naphthalene-d8	136	5.804	5.810	-0.006	99	991711	40.0	
39 Naphthalene	128	5.828	5.839	-0.011	96	12822	0.4882	
44 2-Methylnaphthalene	142	6.522	6.534	-0.012	84	7166	0.4370	
\$ 51 2-Fluorobiphenyl	172	6.892	6.898	-0.006	98	526695	36.4	
63 Acenaphthylene	152	7.428	7.433	-0.005	97	9729	0.5302	
* 65 Acenaphthene-d10	164	7.569	7.569	0.000	92	416647	40.0	
67 Acenaphthene	154	7.598	7.610	-0.012	96	20157	1.65	
74 Fluorene	166	8.110	8.116	-0.006	93	24428	1.97	
* 87 Phenanthrene-d10	188	9.039	9.039	0.000	99	521931	40.0	
88 Phenanthrene	178	9.063	9.069	-0.006	97	270796	18.1	
89 Anthracene	178	9.110	9.116	-0.006	98	73590	4.99	
92 Fluoranthene	202	10.245	10.245	0.000	98	333754	27.2	
94 Pyrene	202	10.474	10.480	-0.006	97	313223	16.1	
\$ 96 Terphenyl-d14	244	10.633	10.633	0.000	99	353895	27.1	
101 Benzo[a]anthracene	228	11.863	11.863	0.000	99	157638	11.2	
* 102 Chrysene-d12	240	11.880	11.869	0.011	99	480447	40.0	
103 Chrysene	228	11.910	11.910	0.000	99	166669	13.5	
106 Benzo[b]fluoranthene	252	13.321	13.315	0.006	98	201229	14.4	
107 Benzo[k]fluoranthene	252	13.357	13.357	0.000	12	73647	5.01	
108 Benzo[a]pyrene	252	13.774	13.774	0.000	97	133132	10.5	
* 109 Perylene-d12	264	13.862	13.851	0.011	98	495288	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.474	15.474	0.000	99	54349	5.38	
111 Dibenzo(a,h)anthracene	278	15.504	15.509	-0.005	94	15229	1.71	
112 Benzo[g,h,i]perylene	276	15.939	15.939	0.000	98	47957	4.05	

Reagents:

SM_ISTD_00092 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150915-31763.b\\z36340.D

Injection Date: 15-Sep-2015 09:38:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: 460-100972-A-1-B

Lab Sample ID: 460-100972-1

Worklist Smp#: 18

Client ID: WC-1

Injection Vol: 1.0 ul

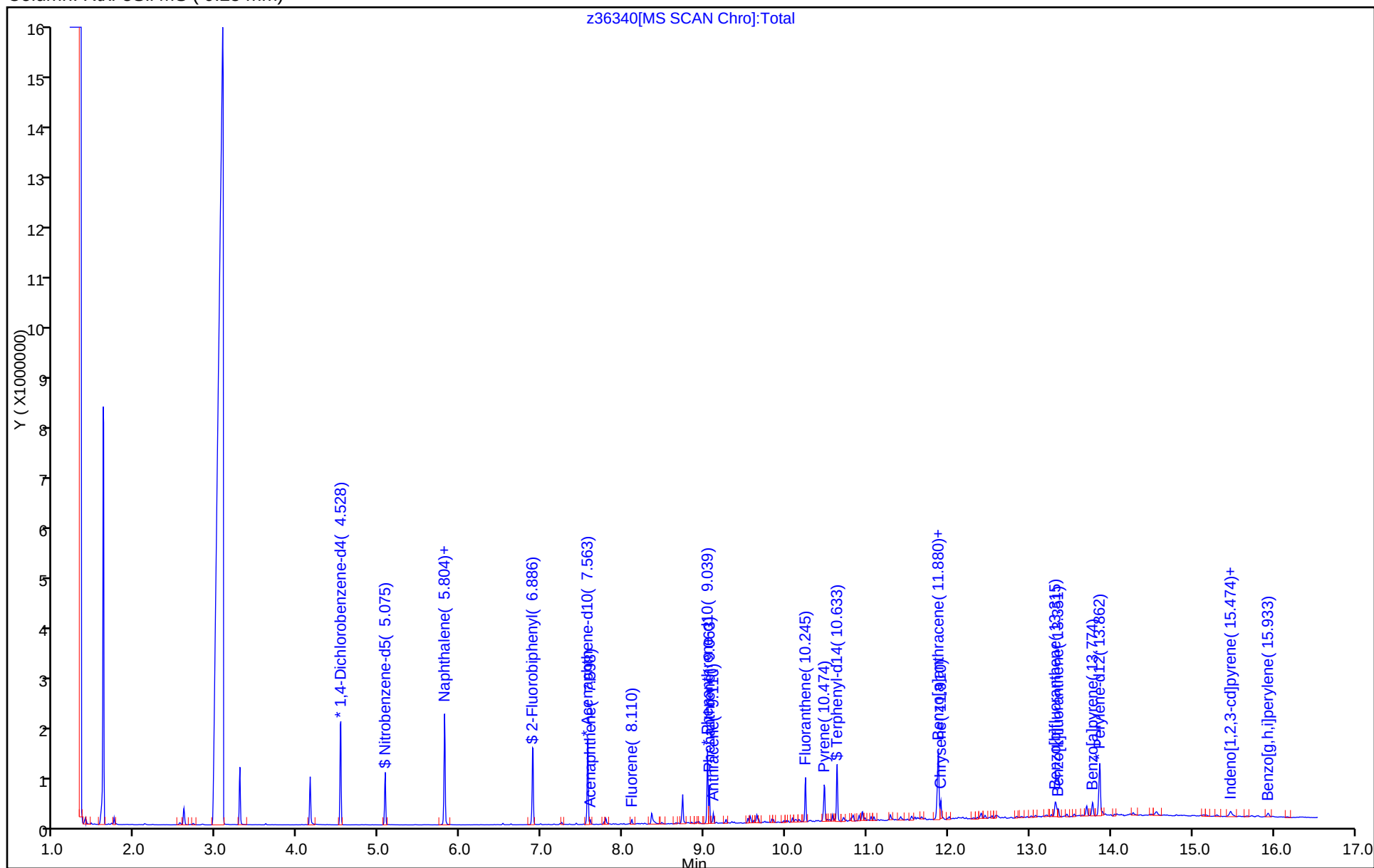
Dil. Factor: 1.0000

ALS Bottle#: 18

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\z36340.D

Injection Date: 15-Sep-2015 09:38:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-1-B

Lab Sample ID: 460-100972-1

Client ID: WC-1

Operator ID:

ALS Bottle#:

18

Worklist Smp#:

18

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

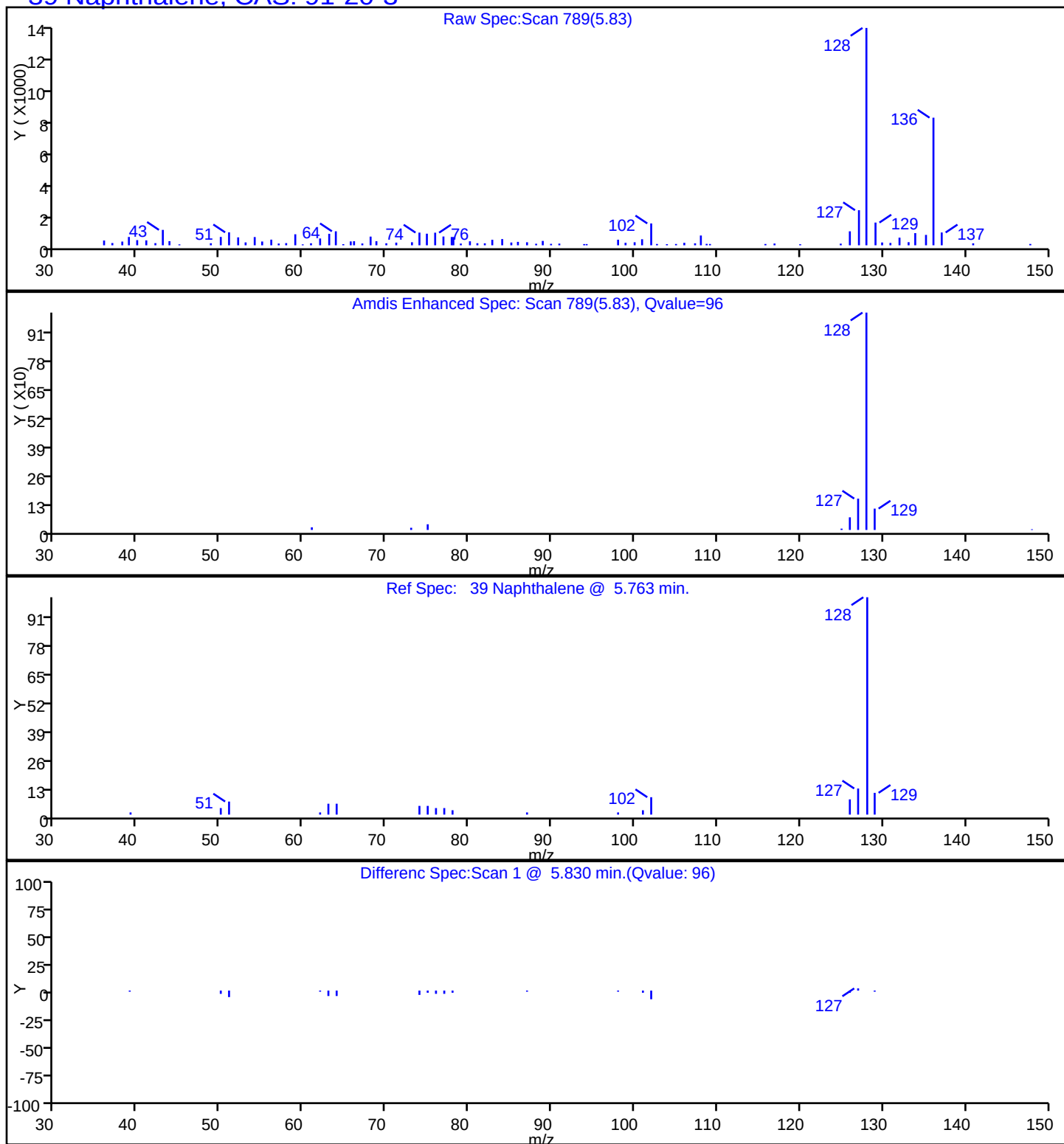
Limit Group:

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\20150915-31763.b\z36340.D

Injection Date: 15-Sep-2015 09:38:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-1-B

Lab Sample ID: 460-100972-1

Client ID: WC-1

Operator ID:

ALS Bottle#: 18

Worklist Smp#: 18

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

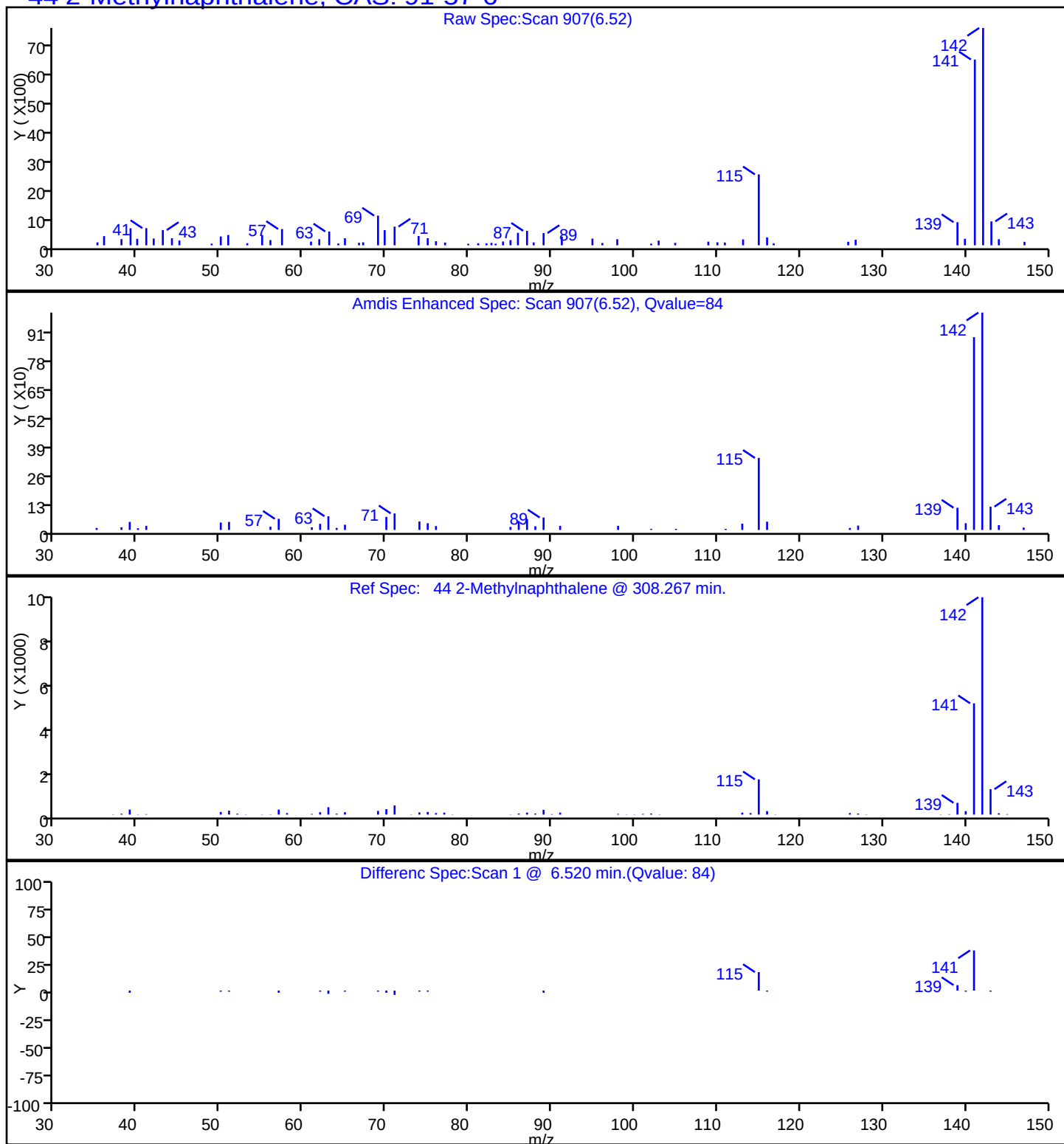
Method: 8270_11R_9

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\\20150915-31763.b\\z36340.D

Injection Date: 15-Sep-2015 09:38:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-1-B

Lab Sample ID: 460-100972-1

Client ID: WC-1

Operator ID:

ALS Bottle#:

18

Worklist Smp#:

18

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

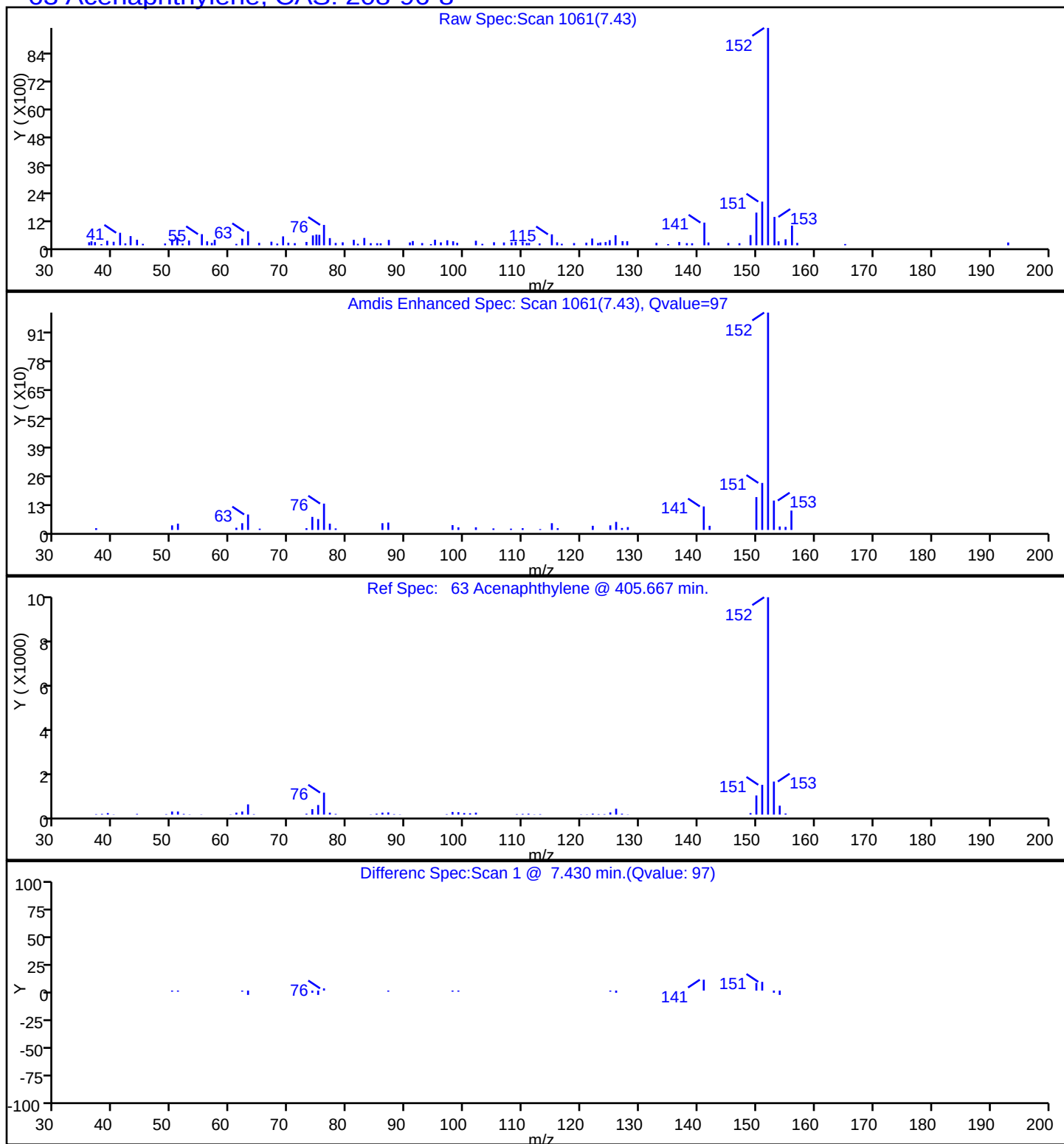
Limit Group:

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\\20150915-31763.b\\z36340.D

Injection Date: 15-Sep-2015 09:38:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-1-B

Lab Sample ID: 460-100972-1

Client ID: WC-1

Operator ID:

ALS Bottle#:

18

Worklist Smp#:

18

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

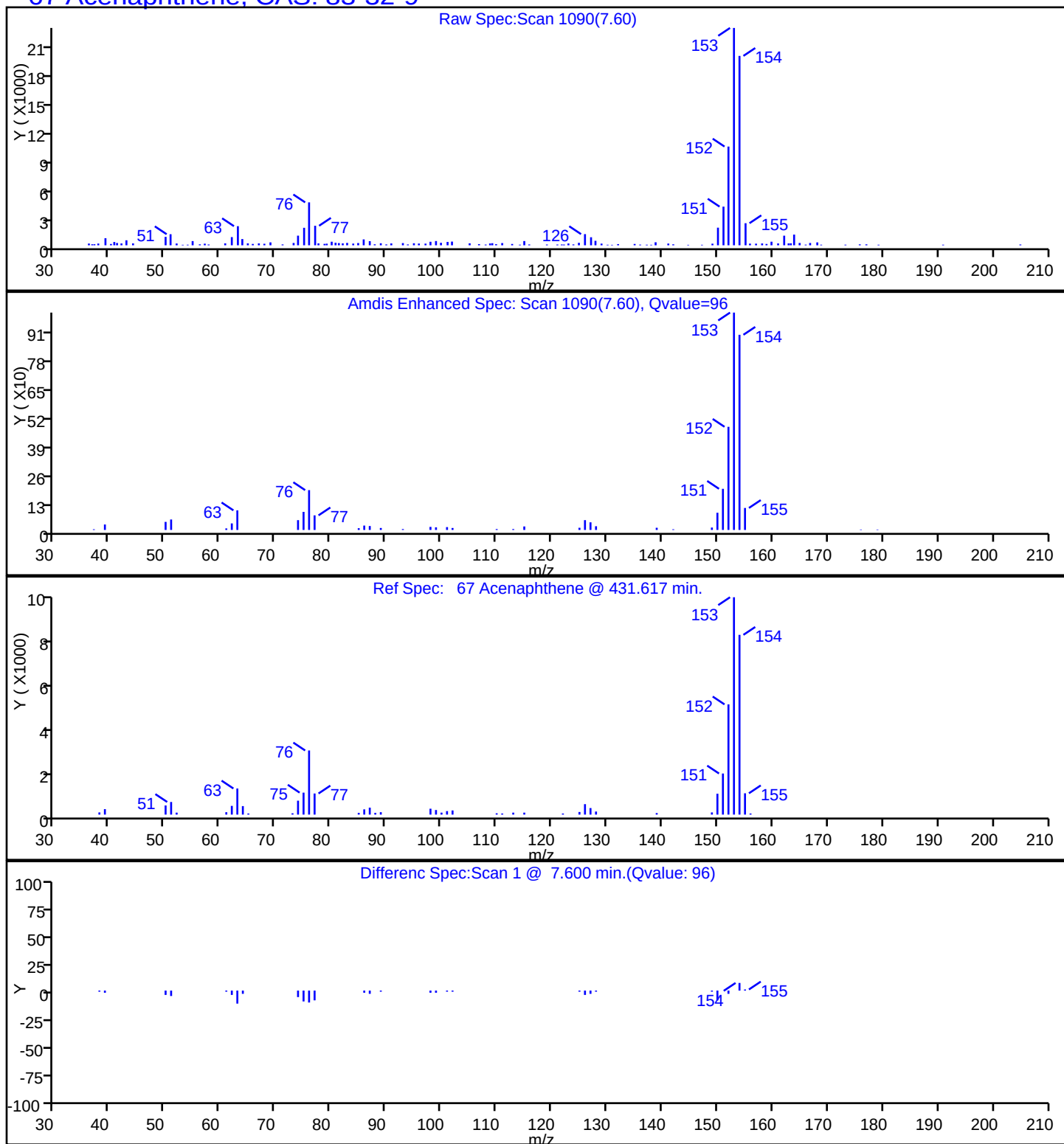
Limit Group:

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\\20150915-31763.b\\z36340.D

Injection Date: 15-Sep-2015 09:38:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-1-B

Lab Sample ID: 460-100972-1

Client ID: WC-1

Operator ID:

ALS Bottle#: 18

Worklist Smp#: 18

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

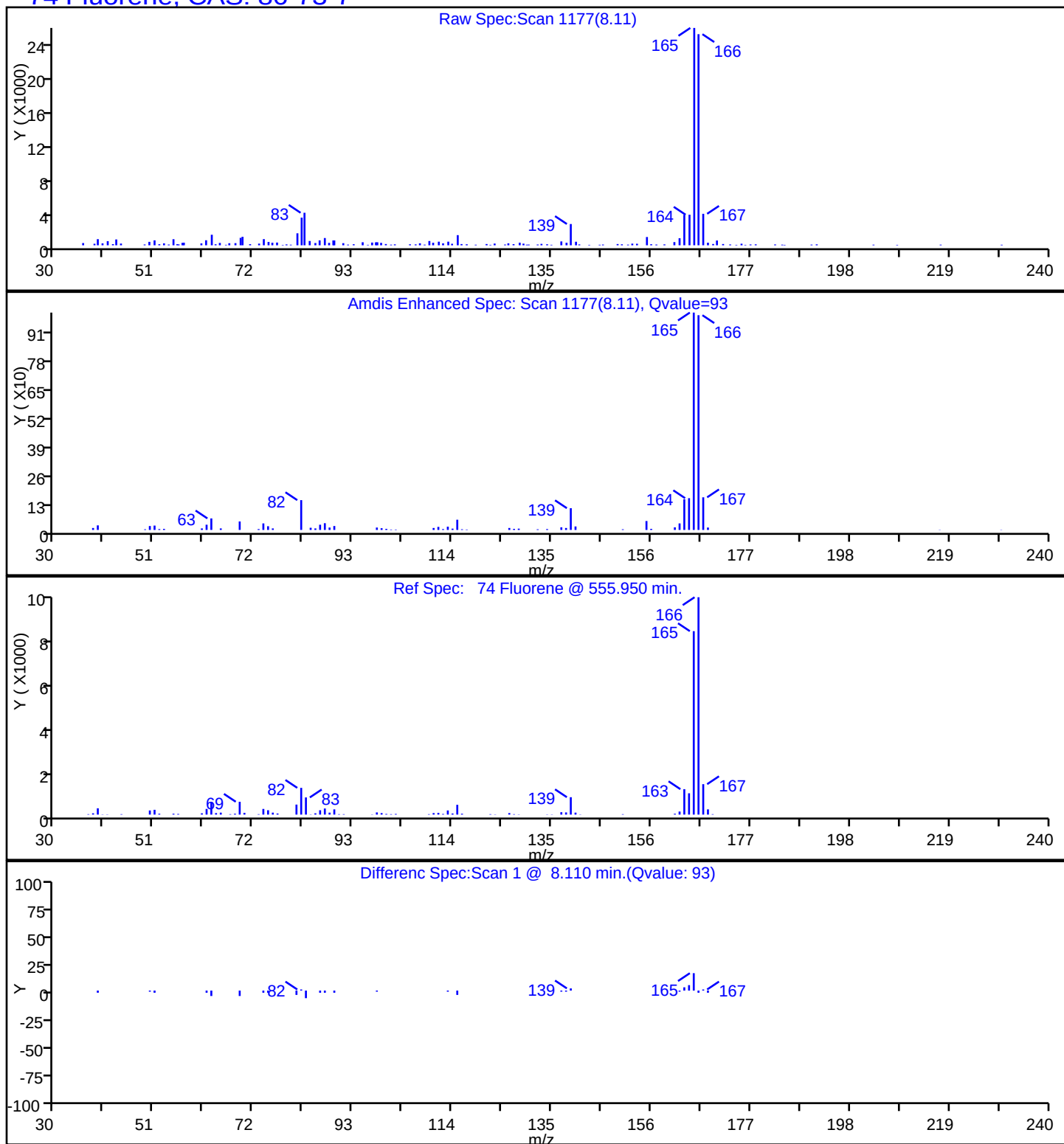
Method: 8270_11R_9

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\20150915-31763.b\z36340.D

Injection Date: 15-Sep-2015 09:38:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-1-B

Lab Sample ID: 460-100972-1

Client ID: WC-1

Operator ID:

ALS Bottle#:

18

Worklist Smp#:

18

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

Limit Group:

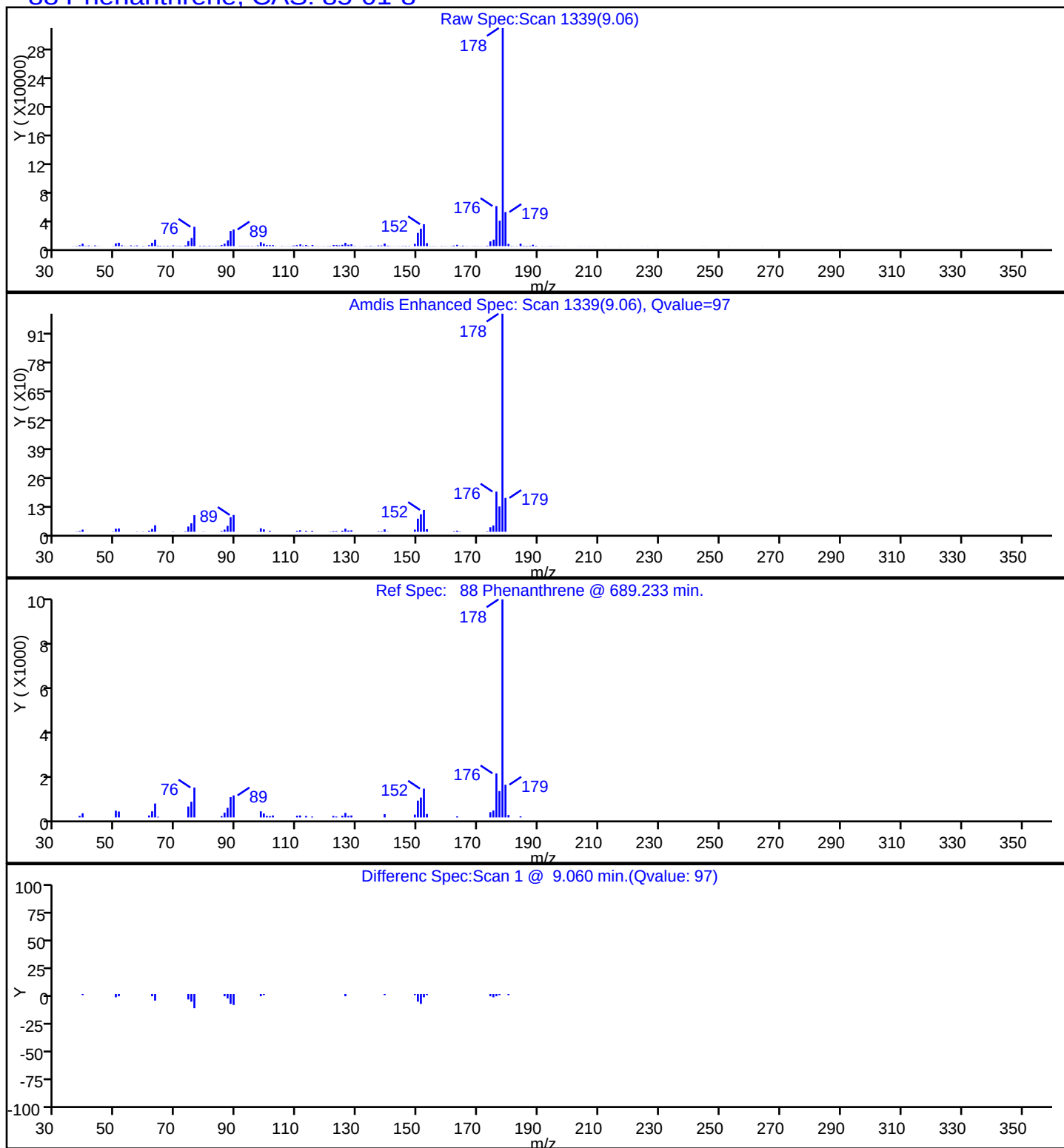
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

88 Phenanthrene, CAS: 85-01-8



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\z36340.D

Injection Date: 15-Sep-2015 09:38:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-1-B

Lab Sample ID: 460-100972-1

Client ID: WC-1

Operator ID:

ALS Bottle#: 18 Worklist Smp#: 18

Injection Vol: 1.0 ul

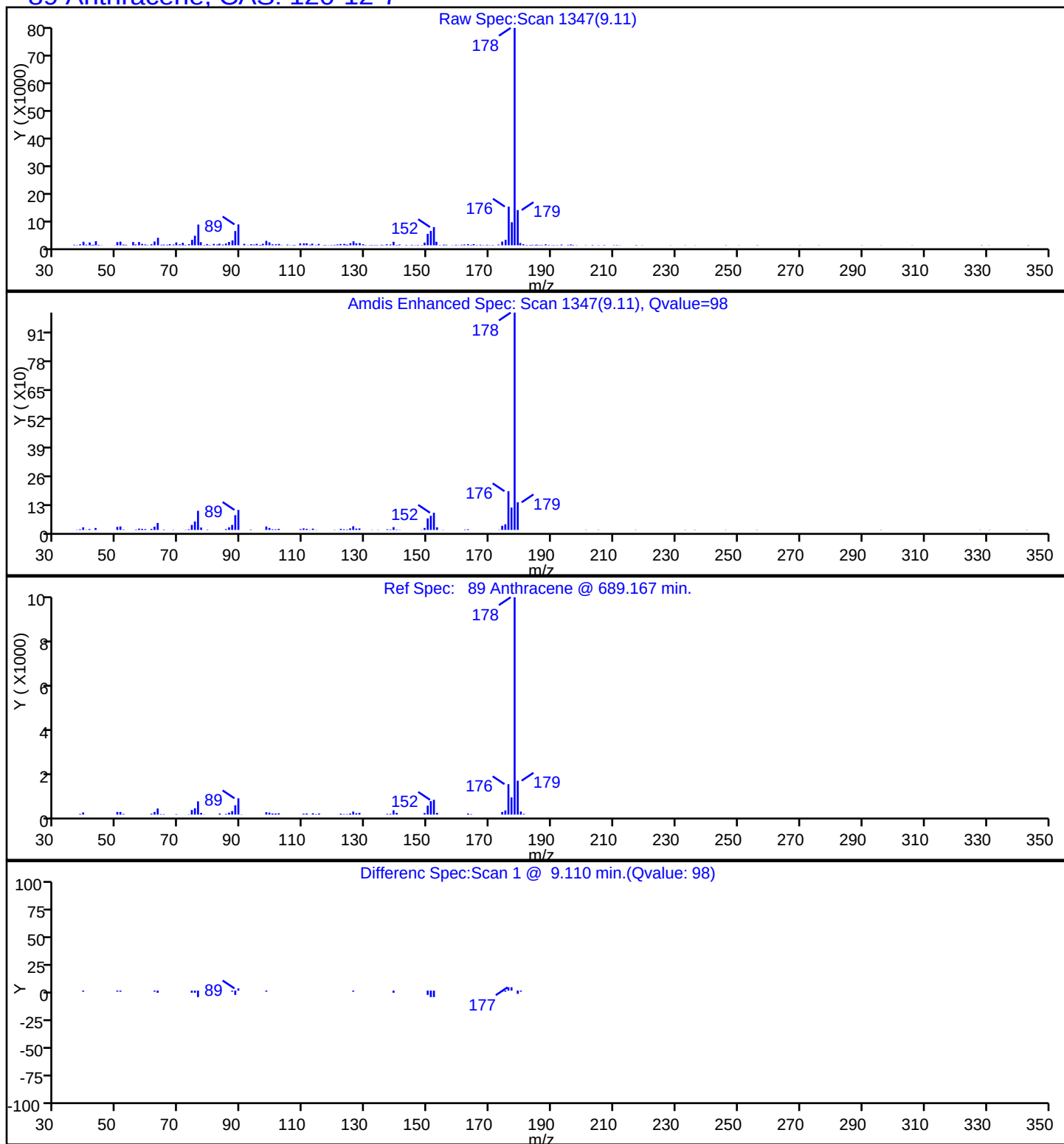
Dil. Factor: 1.0000

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\20150915-31763.b\z36340.D

Injection Date: 15-Sep-2015 09:38:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-1-B

Lab Sample ID: 460-100972-1

Client ID: WC-1

Operator ID:

ALS Bottle#: 18

Worklist Smp#: 18

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

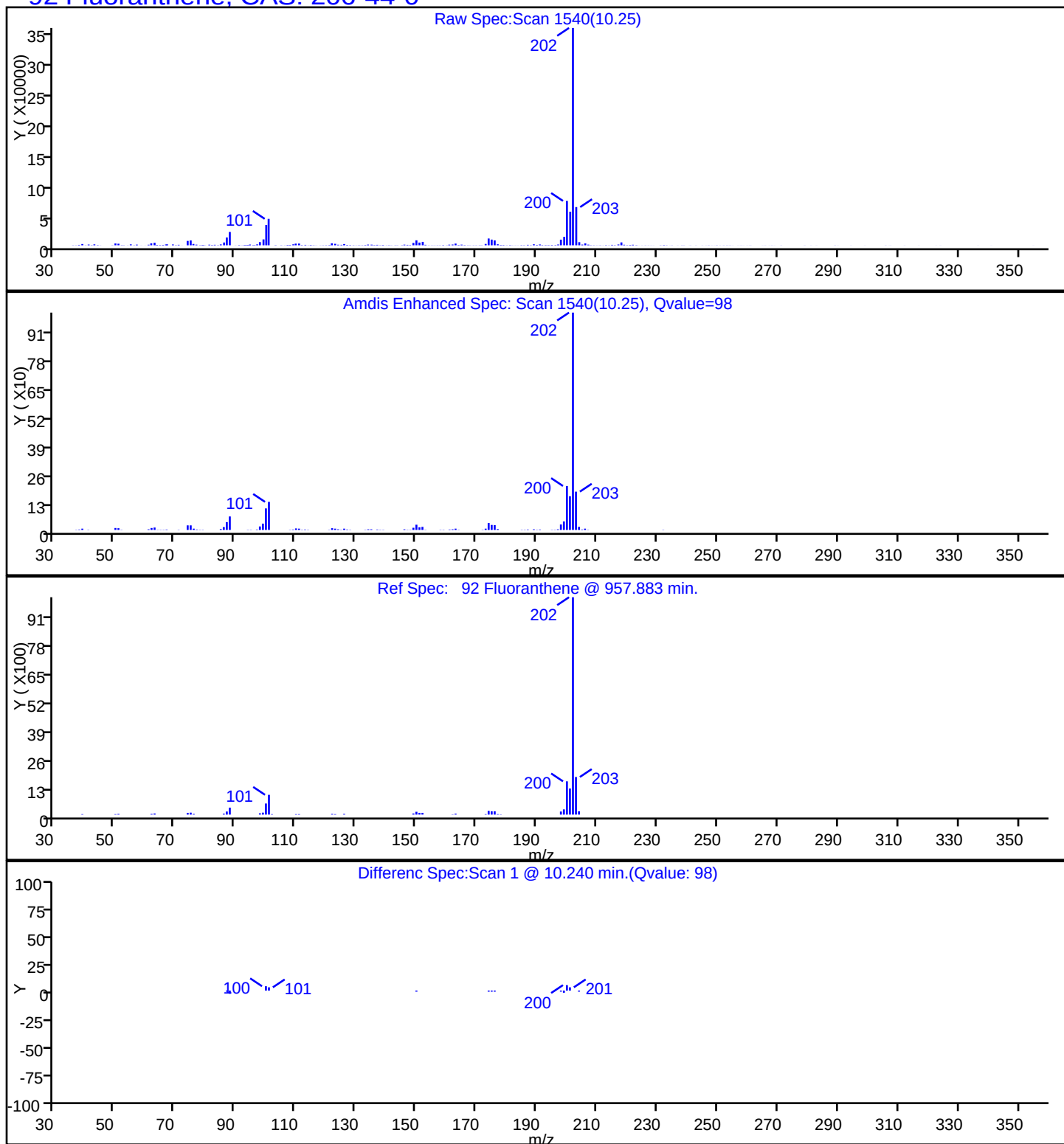
Method: 8270_11R_9

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\20150915-31763.b\z36340.D

Injection Date: 15-Sep-2015 09:38:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-1-B

Lab Sample ID: 460-100972-1

Client ID: WC-1

Operator ID:

ALS Bottle#:

18

Worklist Smp#:

18

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

Limit Group:

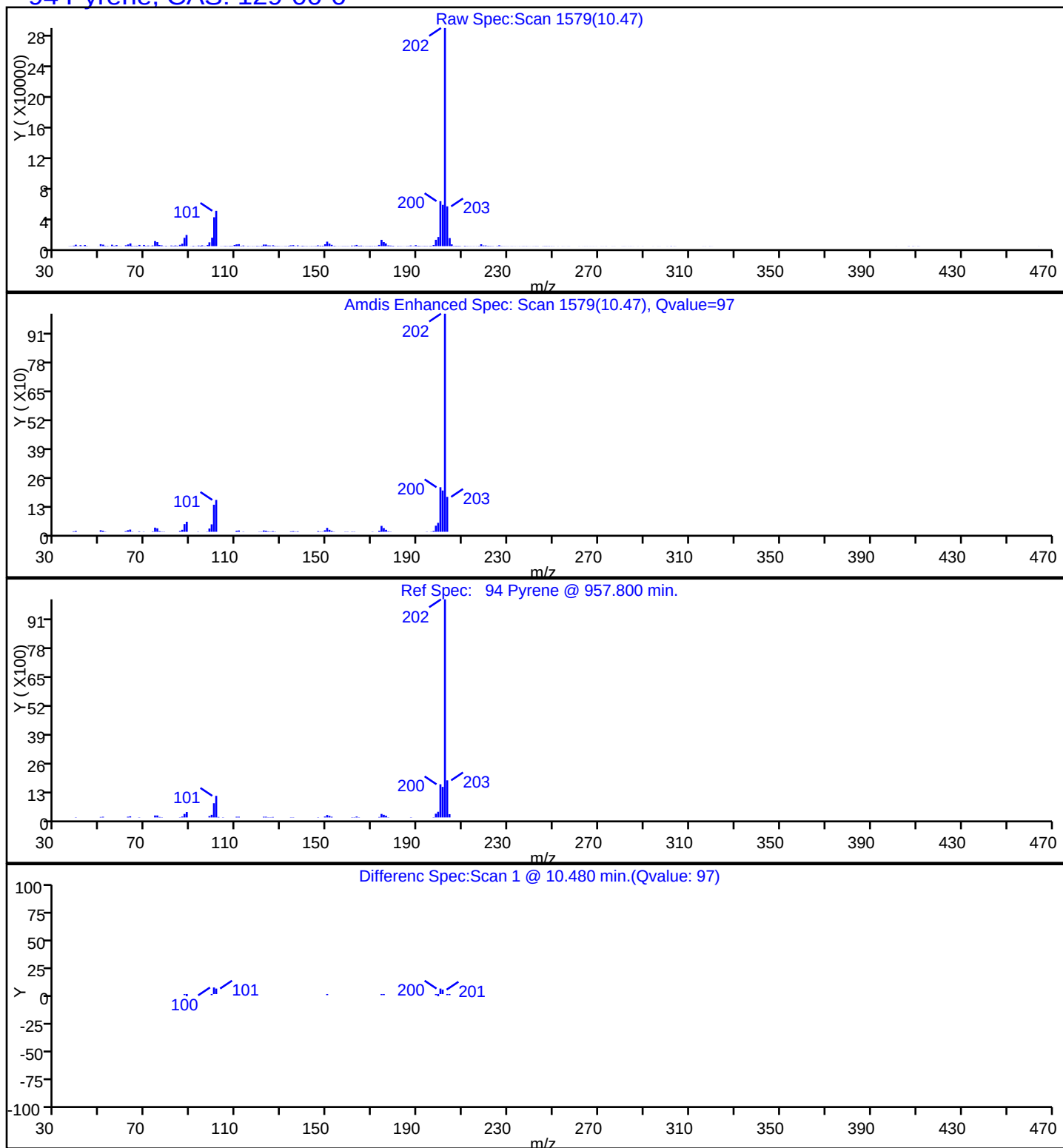
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

94 Pyrene, CAS: 129-00-0



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150915-31763.b\\z36340.D

Injection Date: 15-Sep-2015 09:38:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-1-B

Lab Sample ID: 460-100972-1

Client ID: WC-1

Operator ID:

ALS Bottle#:

18

Worklist Smp#:

18

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

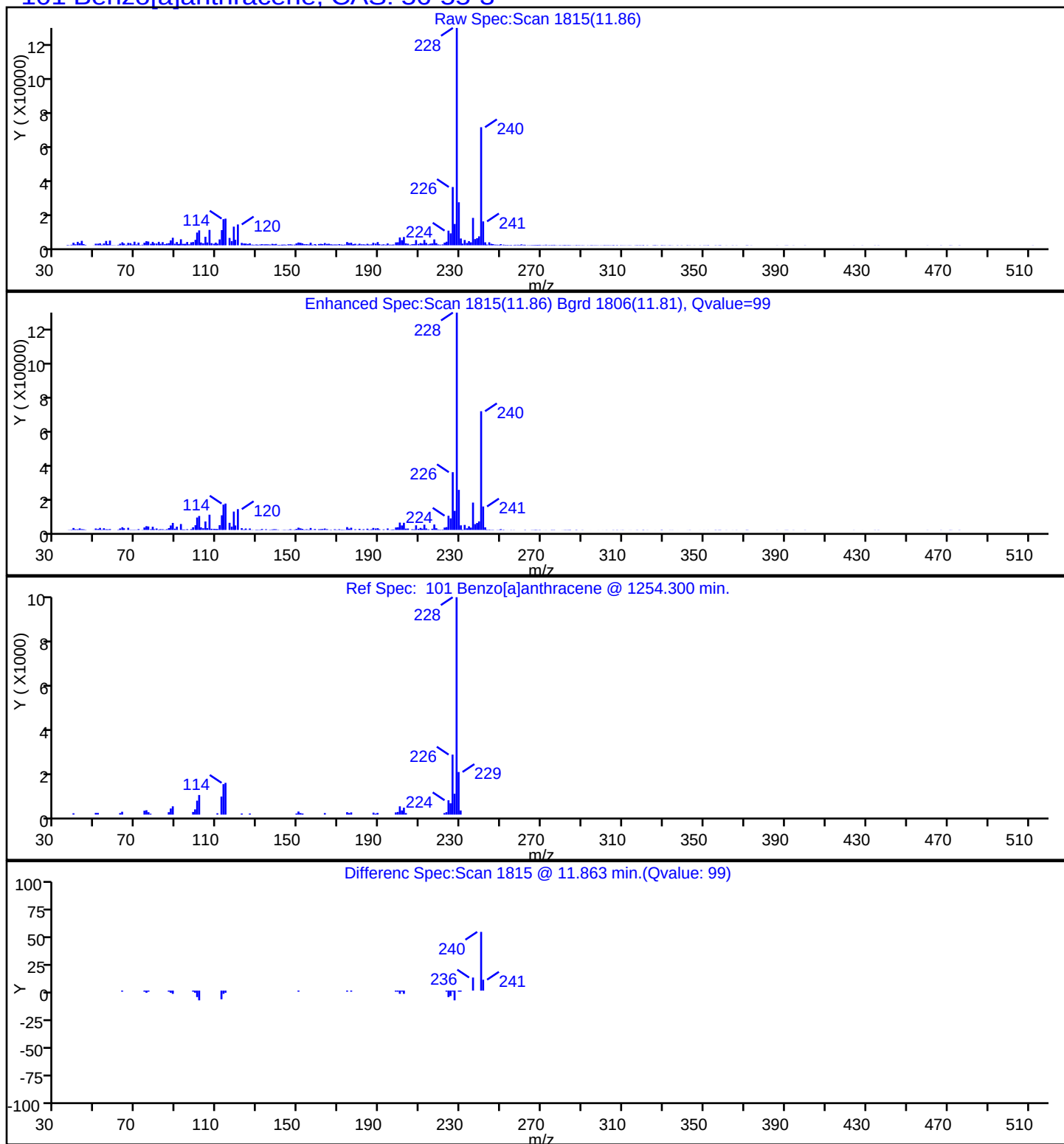
Limit Group:

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\20150915-31763.b\z36340.D

Injection Date: 15-Sep-2015 09:38:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-1-B

Lab Sample ID: 460-100972-1

Client ID: WC-1

Operator ID:

ALS Bottle#: 18

Worklist Smp#: 18

Injection Vol: 1.0 ul

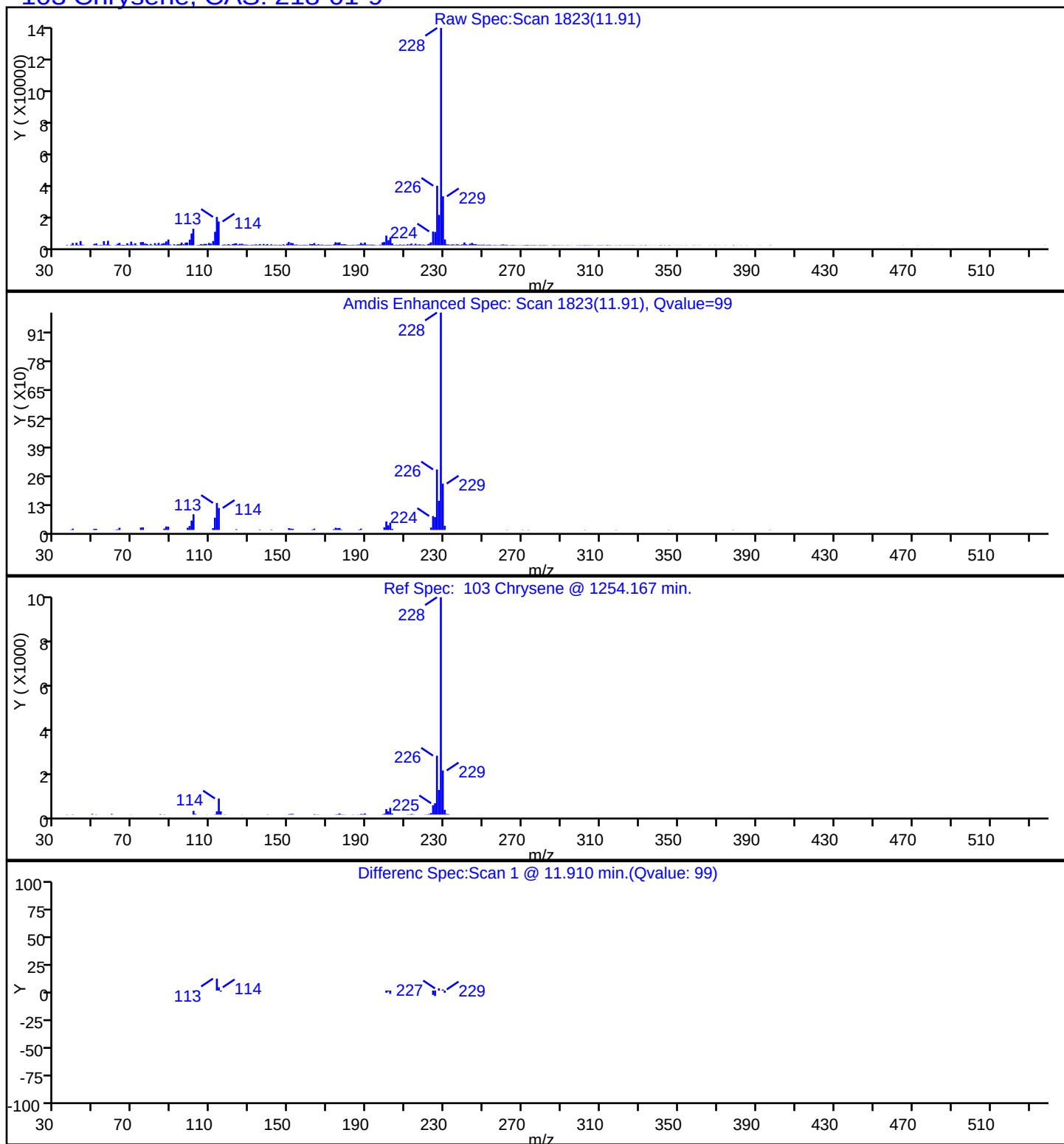
Dil. Factor: 1.0000

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\\20150915-31763.b\\z36340.D

Injection Date: 15-Sep-2015 09:38:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-1-B

Lab Sample ID: 460-100972-1

Client ID: WC-1

Operator ID:

ALS Bottle#:

18

Worklist Smp#:

18

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

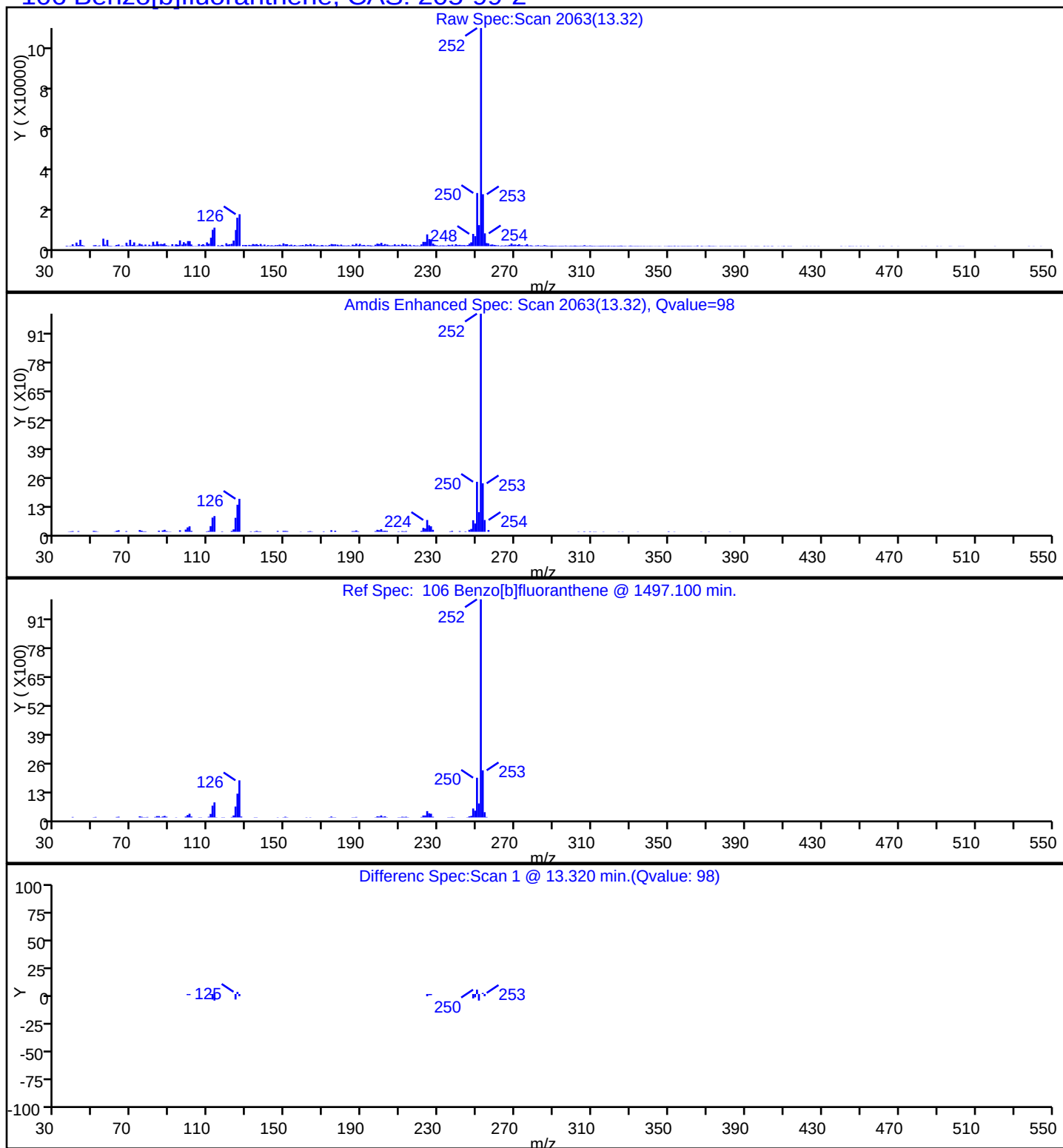
Limit Group:

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\\20150915-31763.b\\z36340.D

Injection Date: 15-Sep-2015 09:38:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-1-B

Lab Sample ID: 460-100972-1

Client ID: WC-1

Operator ID:

ALS Bottle#:

18

Worklist Smp#:

18

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

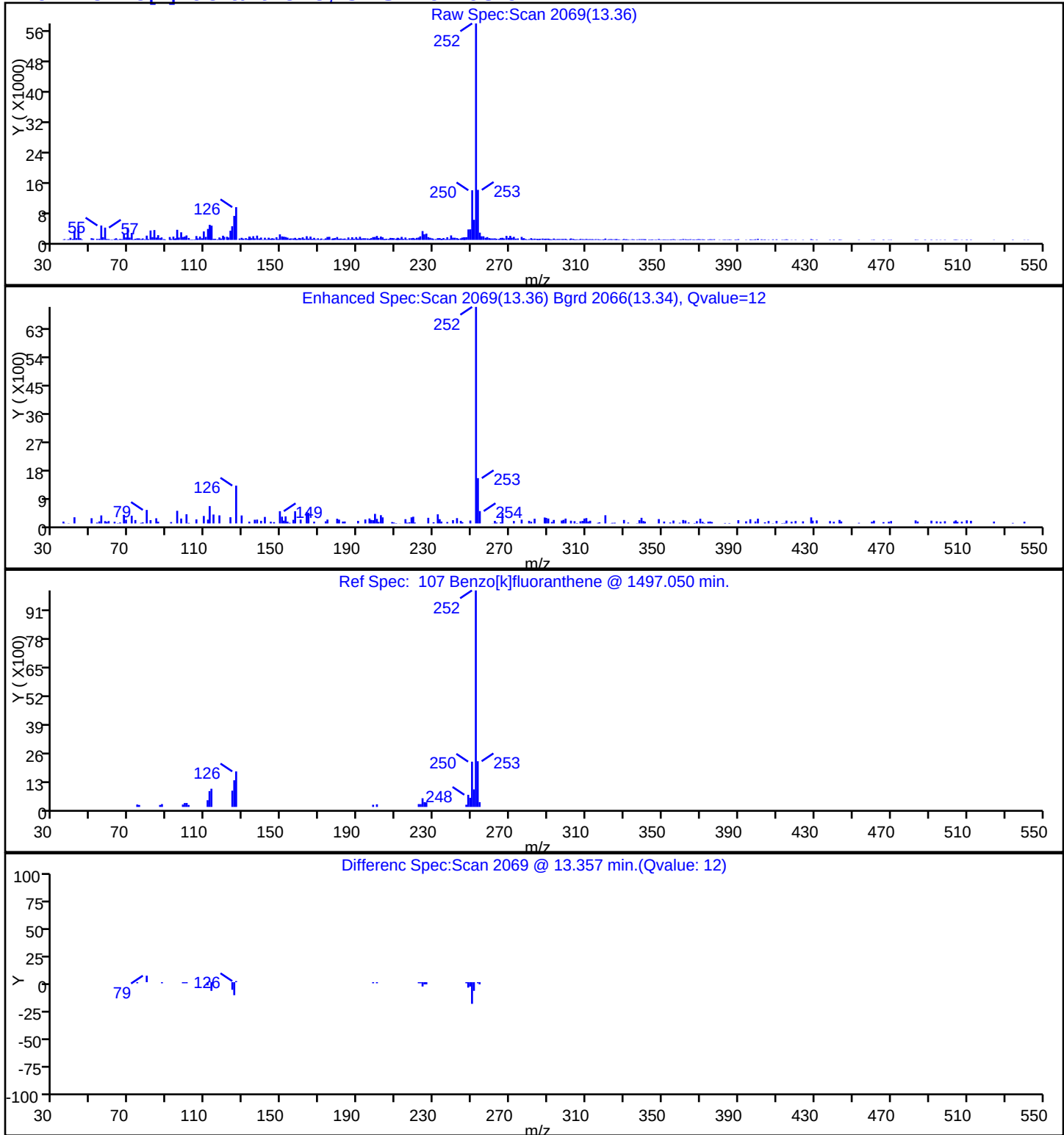
Limit Group:

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\\20150915-31763.b\\z36340.D

Injection Date: 15-Sep-2015 09:38:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-1-B

Lab Sample ID: 460-100972-1

Client ID: WC-1

Operator ID:

ALS Bottle#:

18

Worklist Smp#:

18

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

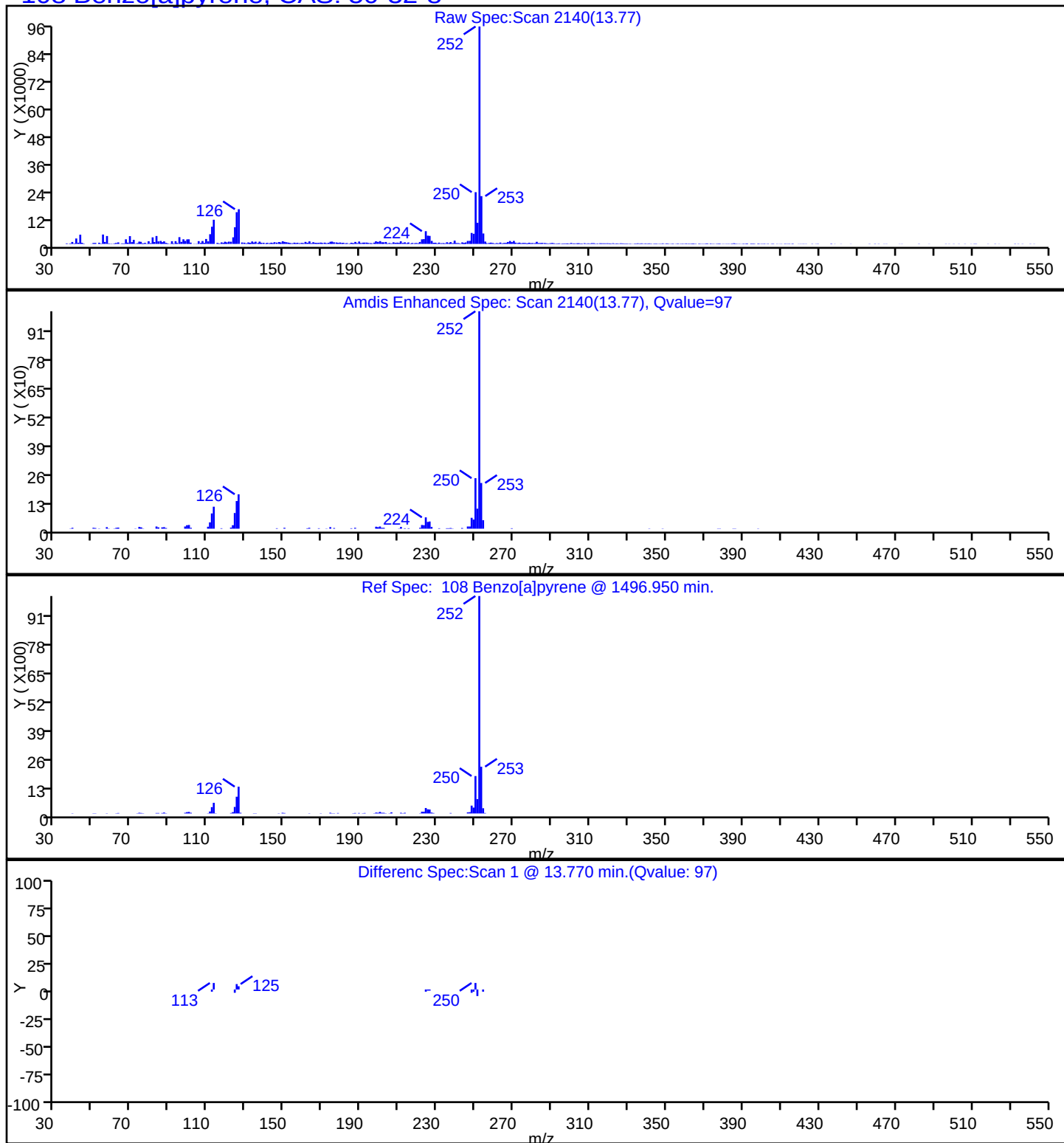
Limit Group:

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\20150915-31763.b\z36340.D

Injection Date: 15-Sep-2015 09:38:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-1-B

Lab Sample ID: 460-100972-1

Client ID: WC-1

Operator ID:

ALS Bottle#:

18

Worklist Smp#:

18

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

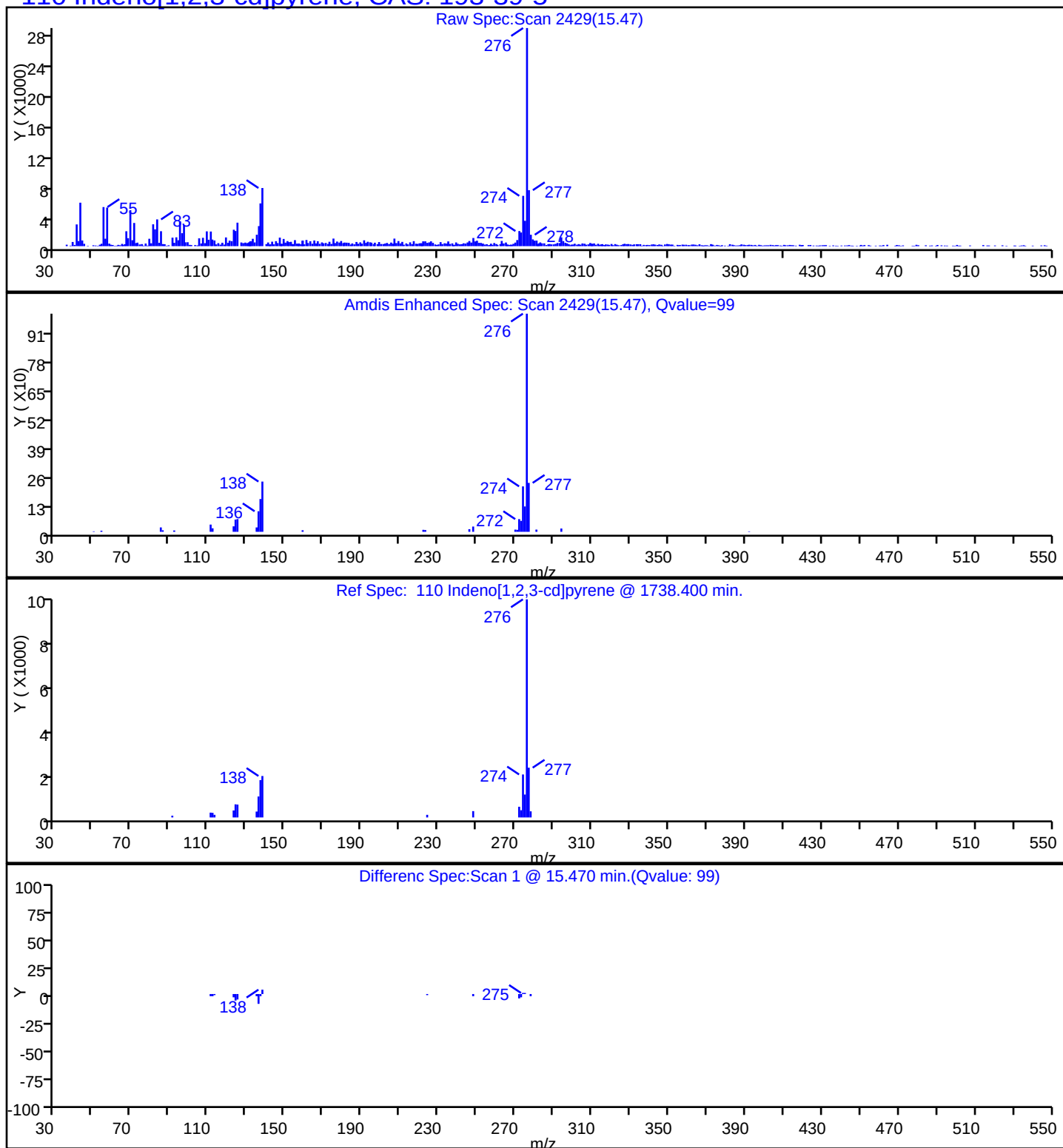
Limit Group:

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\20150915-31763.b\z36340.D

Injection Date: 15-Sep-2015 09:38:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-1-B

Lab Sample ID: 460-100972-1

Client ID: WC-1

Operator ID:

ALS Bottle#:

18

Worklist Smp#:

18

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

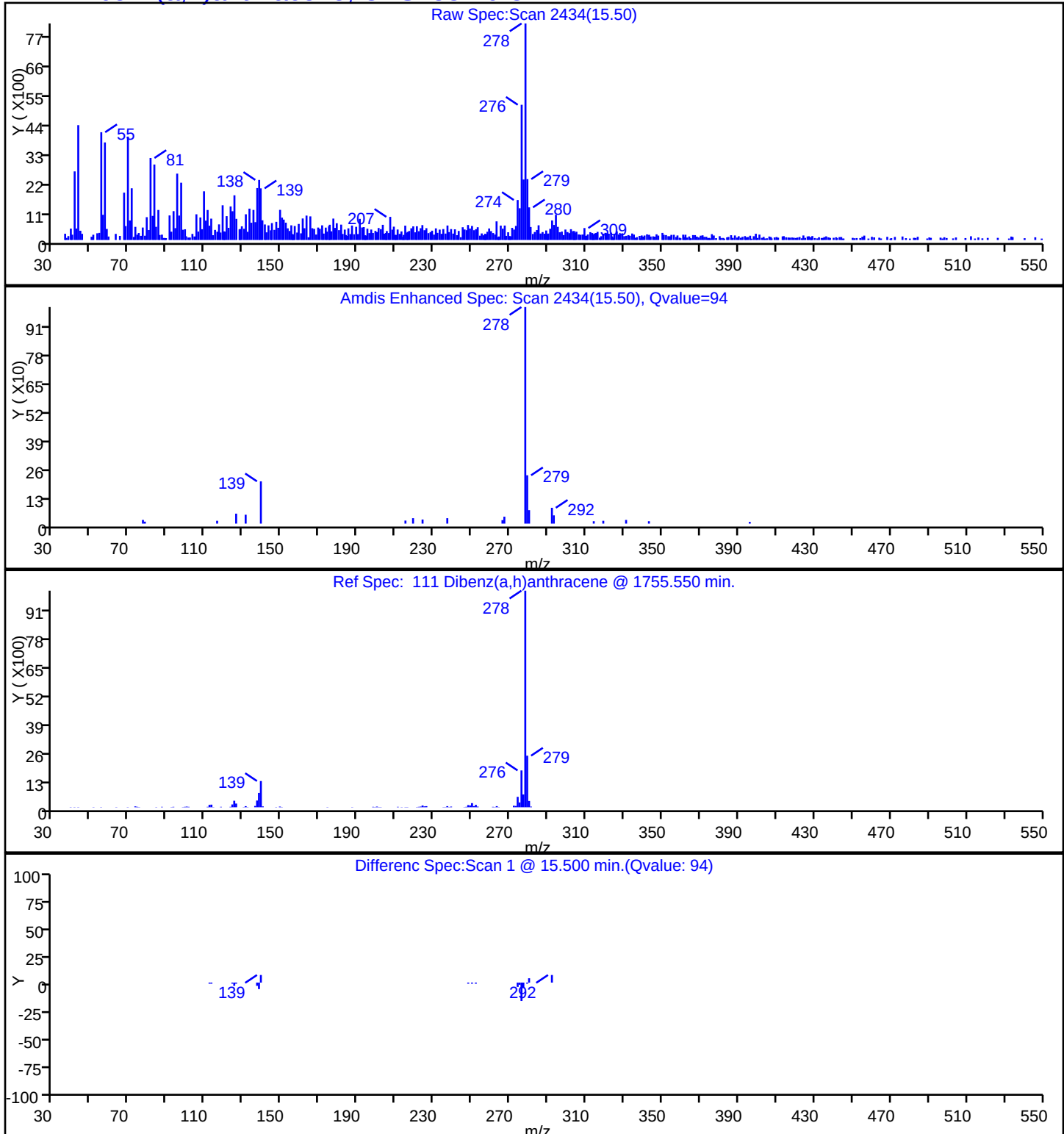
Limit Group:

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\\20150915-31763.b\\z36340.D

Injection Date: 15-Sep-2015 09:38:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-1-B

Lab Sample ID: 460-100972-1

Client ID: WC-1

Operator ID:

ALS Bottle#:

18

Worklist Smp#:

18

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

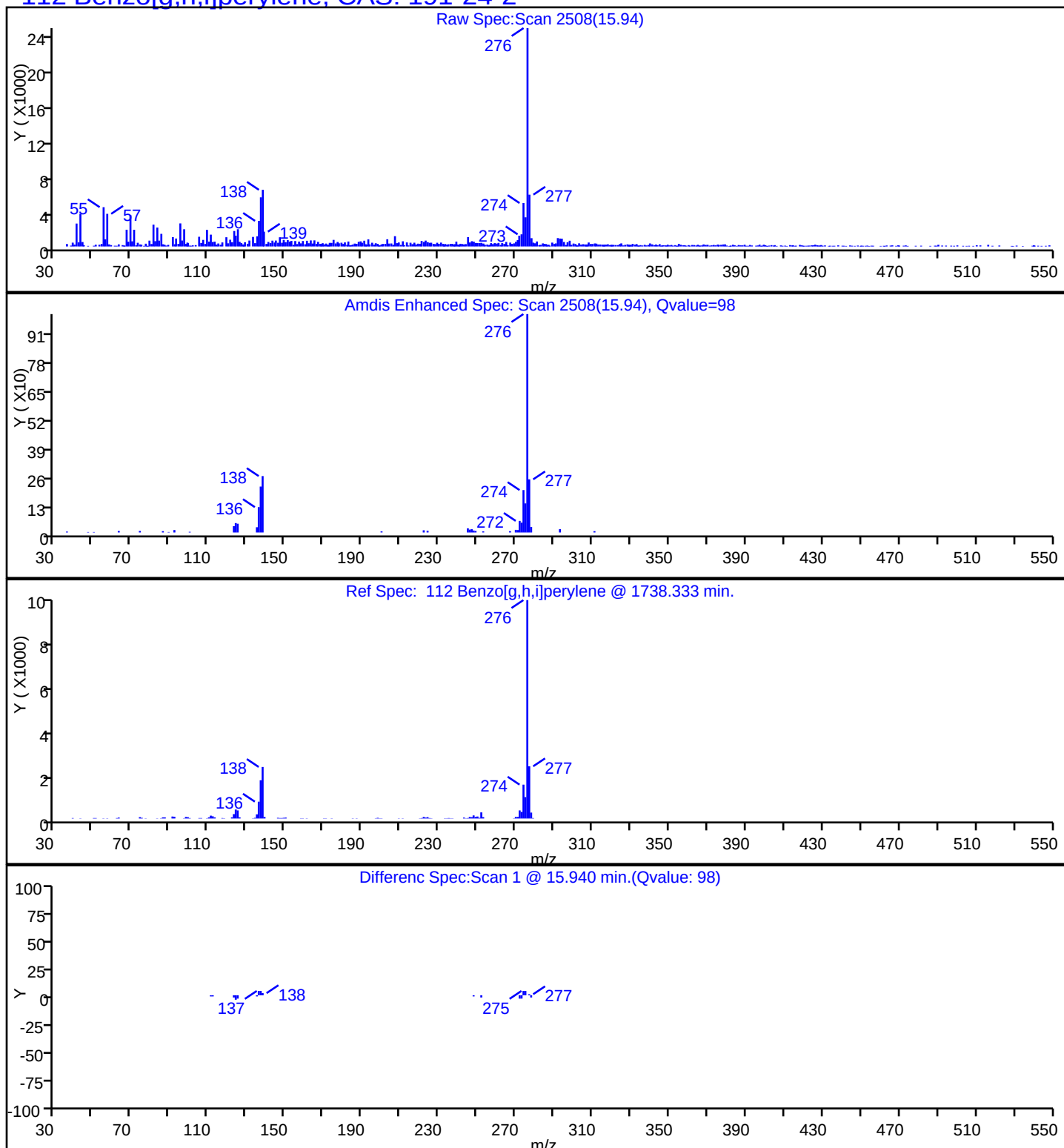
Limit Group:

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>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-2</u>	Lab Sample ID: <u>460-100972-2</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z36341.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>09/11/2015 08:39</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>09/14/2015 08:46</u>
Sample wt/vol: <u>15.0372(g)</u>	Date Analyzed: <u>09/15/2015 10:01</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>322389</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.034	J	0.39	0.010
91-57-6	2-Methylnaphthalene	0.026	J	0.39	0.0087
208-96-8	Acenaphthylene	0.058	J	0.39	0.010
83-32-9	Acenaphthene	0.072	J	0.39	0.0096
86-73-7	Fluorene	0.064	J	0.39	0.0086
85-01-8	Phenanthrene	0.77		0.39	0.011
120-12-7	Anthracene	0.25	J	0.39	0.038
206-44-0	Fluoranthene	1.7		0.39	0.012
129-00-0	Pyrene	1.1		0.39	0.018
56-55-3	Benzo[a]anthracene	0.84		0.039	0.033
218-01-9	Chrysene	0.93		0.39	0.011
205-99-2	Benzo[b]fluoranthene	1.1		0.039	0.015
207-08-9	Benzo[k]fluoranthene	0.40		0.039	0.017
50-32-8	Benzo[a]pyrene	0.83		0.039	0.012
193-39-5	Indeno[1,2,3-cd]pyrene	0.43		0.039	0.026
53-70-3	Dibenz(a,h)anthracene	0.13		0.039	0.021
191-24-2	Benzo[g,h,i]perylene	0.33	J	0.39	0.023

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	55		30-130
1718-51-0	Terphenyl-d14	49		30-130
321-60-8	2-Fluorobiphenyl	66		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\z36341.D
 Lims ID: 460-100972-A-2-B Lab Sample ID: 460-100972-2
 Client ID: WC-2
 Sample Type: Client
 Inject. Date: 15-Sep-2015 10:01:30 ALS Bottle#: 19 Worklist Smp#: 19
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031763-019
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 15-Sep-2015 17:12:54 Calib Date: 10-Sep-2015 07:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150909-31608.b\z36210.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK048

First Level Reviewer: manlangitf

Date: 15-Sep-2015 10:57:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	4.522	4.528	-0.006	97	295248	40.0	
\$ 26 Nitrobenzene-d5	82	5.075	5.092	-0.017	88	268669	27.4	
* 38 Naphthalene-d8	136	5.804	5.810	-0.006	100	932335	40.0	
39 Naphthalene	128	5.822	5.839	-0.017	99	10484	0.4246	
44 2-Methylnaphthalene	142	6.522	6.534	-0.012	86	4992	0.3238	
\$ 51 2-Fluorobiphenyl	172	6.887	6.898	-0.011	98	445341	33.0	
63 Acenaphthylene	152	7.428	7.433	-0.005	98	12467	0.7289	
* 65 Acenaphthene-d10	164	7.569	7.569	0.000	92	388330	40.0	
67 Acenaphthene	154	7.598	7.610	-0.012	97	10257	0.9019	
74 Fluorene	166	8.110	8.116	-0.006	99	9297	0.8049	
* 87 Phenanthrene-d10	188	9.039	9.039	0.000	99	490066	40.0	
88 Phenanthrene	178	9.063	9.069	-0.006	97	136180	9.71	
89 Anthracene	178	9.110	9.116	-0.006	98	43886	3.17	
92 Fluoranthene	202	10.245	10.245	0.000	98	243800	21.1	
94 Pyrene	202	10.480	10.480	0.000	97	269165	14.1	
\$ 96 Terphenyl-d14	244	10.633	10.633	0.000	99	311531	24.3	
101 Benzo[a]anthracene	228	11.863	11.863	0.000	99	144560	10.5	
* 102 Chrysene-d12	240	11.880	11.869	0.011	99	471180	40.0	
103 Chrysene	228	11.910	11.910	0.000	99	140477	11.6	
106 Benzo[b]fluoranthene	252	13.321	13.315	0.006	98	175637	13.2	
107 Benzo[k]fluoranthene	252	13.357	13.357	0.000	1	69087	4.96	
108 Benzo[a]pyrene	252	13.780	13.774	0.006	97	125271	10.4	
* 109 Perylene-d12	264	13.863	13.851	0.012	99	469123	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.480	15.474	0.006	98	51425	5.37	
111 Dibenzo(a,h)anthracene	278	15.504	15.509	-0.005	48	13834	1.66	
112 Benzo[g,h,i]perylene	276	15.939	15.939	0.000	98	46867	4.18	

Reagents:

SM_ISTD_00092 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150915-31763.b\\z36341.D

Injection Date: 15-Sep-2015 10:01:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: 460-100972-A-2-B

Lab Sample ID: 460-100972-2

Worklist Smp#: 19

Client ID: WC-2

Injection Vol: 1.0 ul

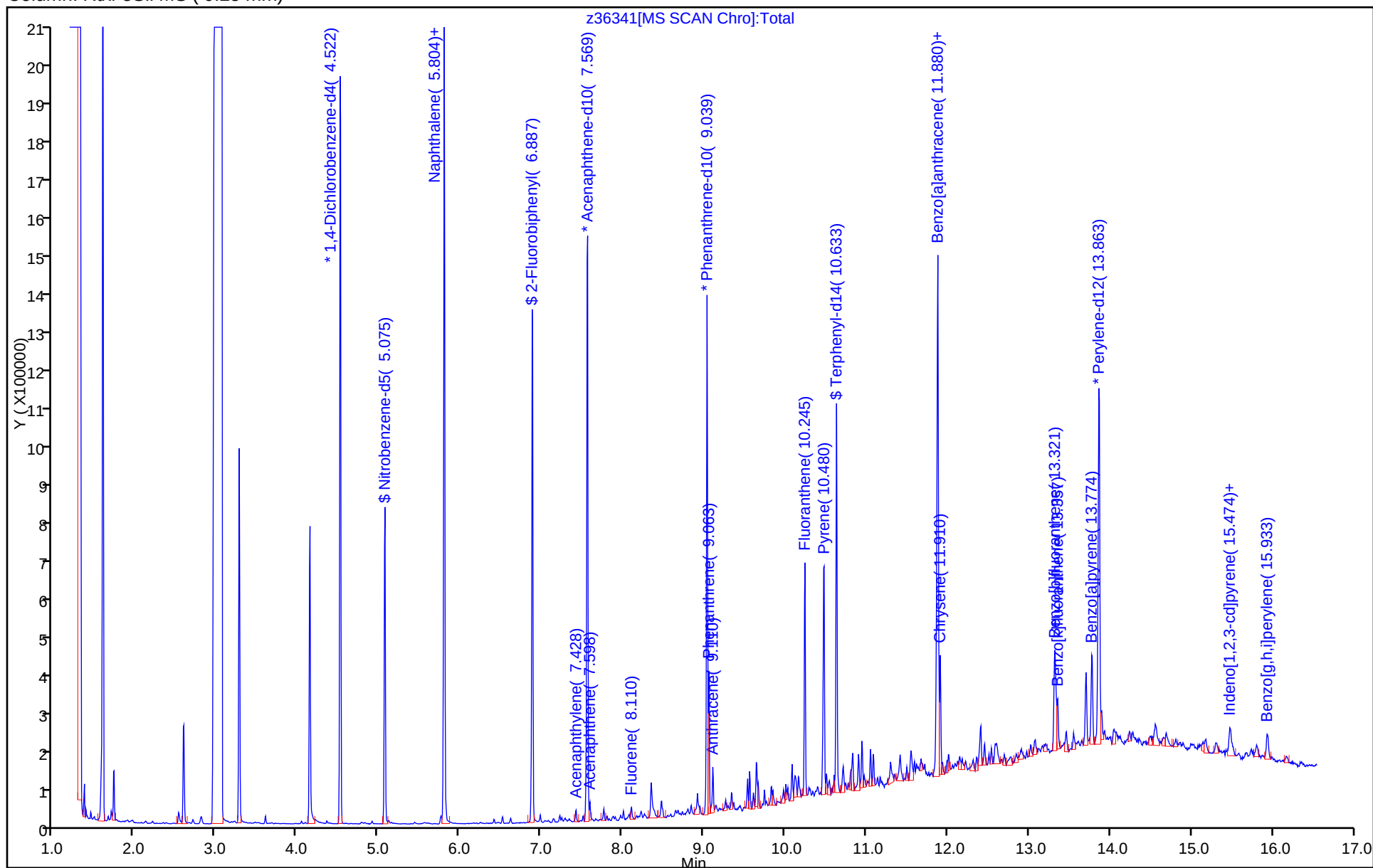
Dil. Factor: 1.0000

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\20150915-31763.b\z36341.D

Injection Date: 15-Sep-2015 10:01:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-2-B

Lab Sample ID: 460-100972-2

Client ID: WC-2

Operator ID:

ALS Bottle#:

19

Worklist Smp#:

19

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

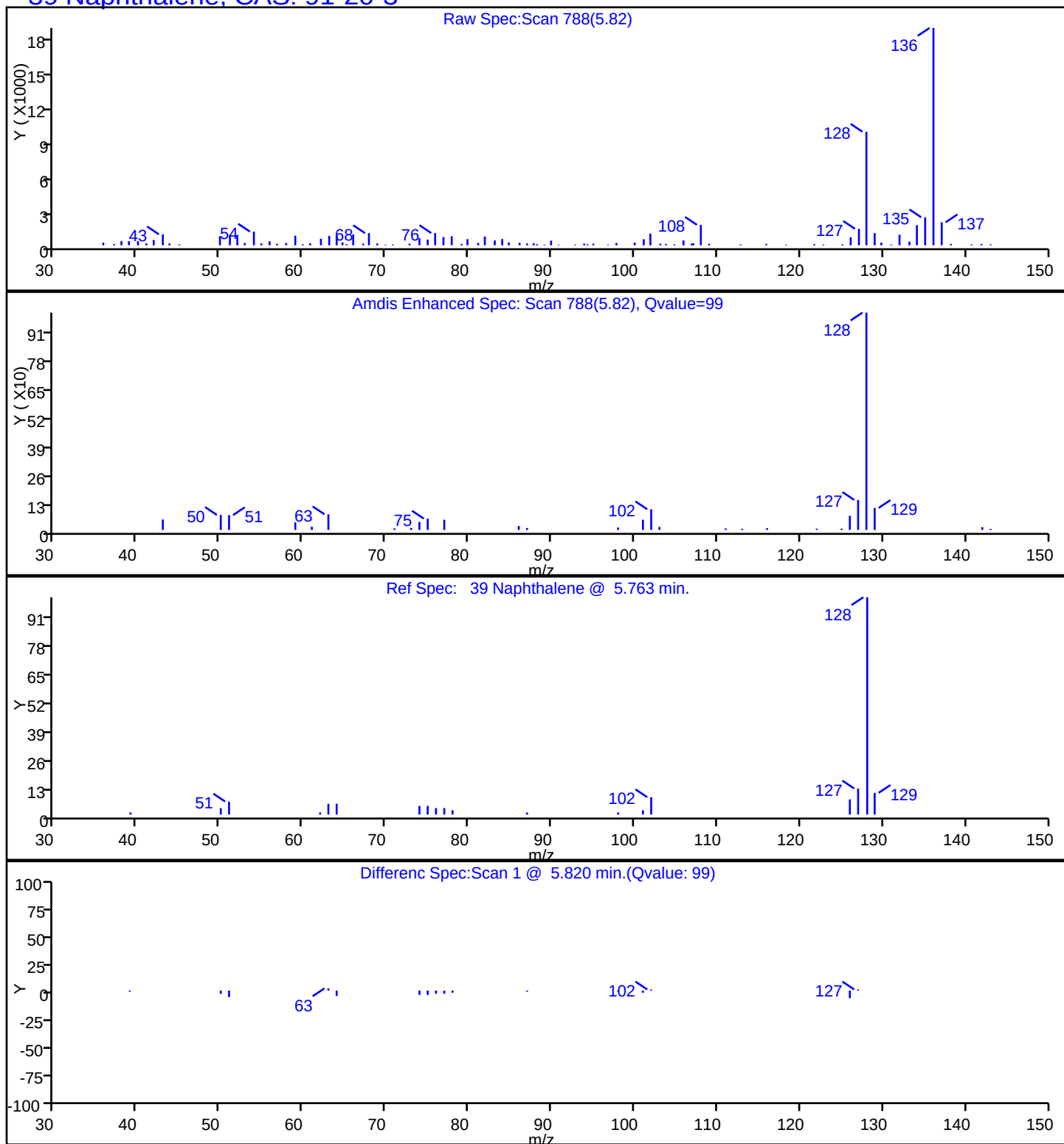
Limit Group:

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\20150915-31763.b\z36341.D

Injection Date: 15-Sep-2015 10:01:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-2-B

Lab Sample ID: 460-100972-2

Client ID: WC-2

Operator ID:

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 1.0 ul

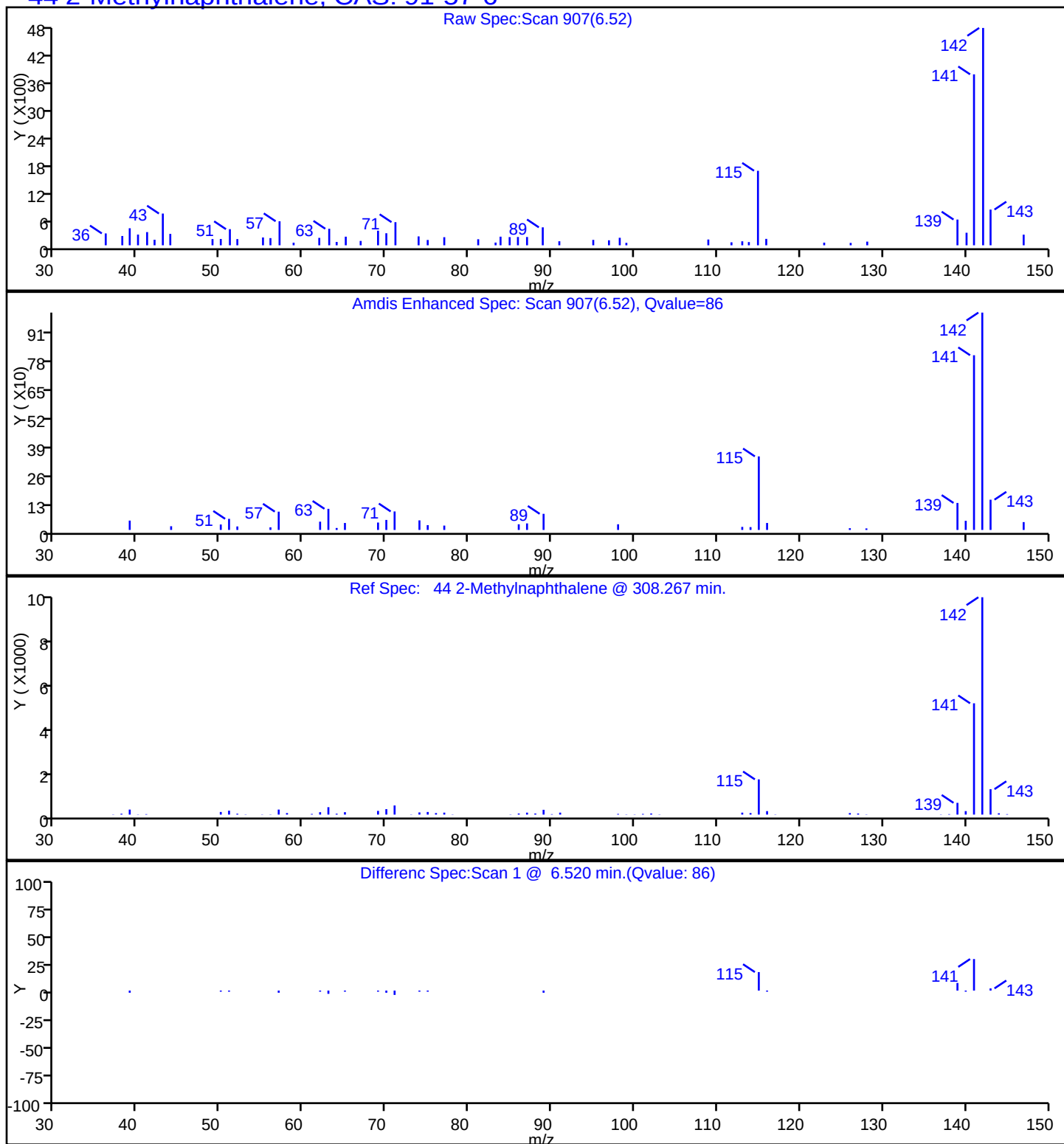
Dil. Factor: 1.0000

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\\20150915-31763.b\\z36341.D

Injection Date: 15-Sep-2015 10:01:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-2-B

Lab Sample ID: 460-100972-2

Client ID: WC-2

Operator ID:

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 1.0 ul

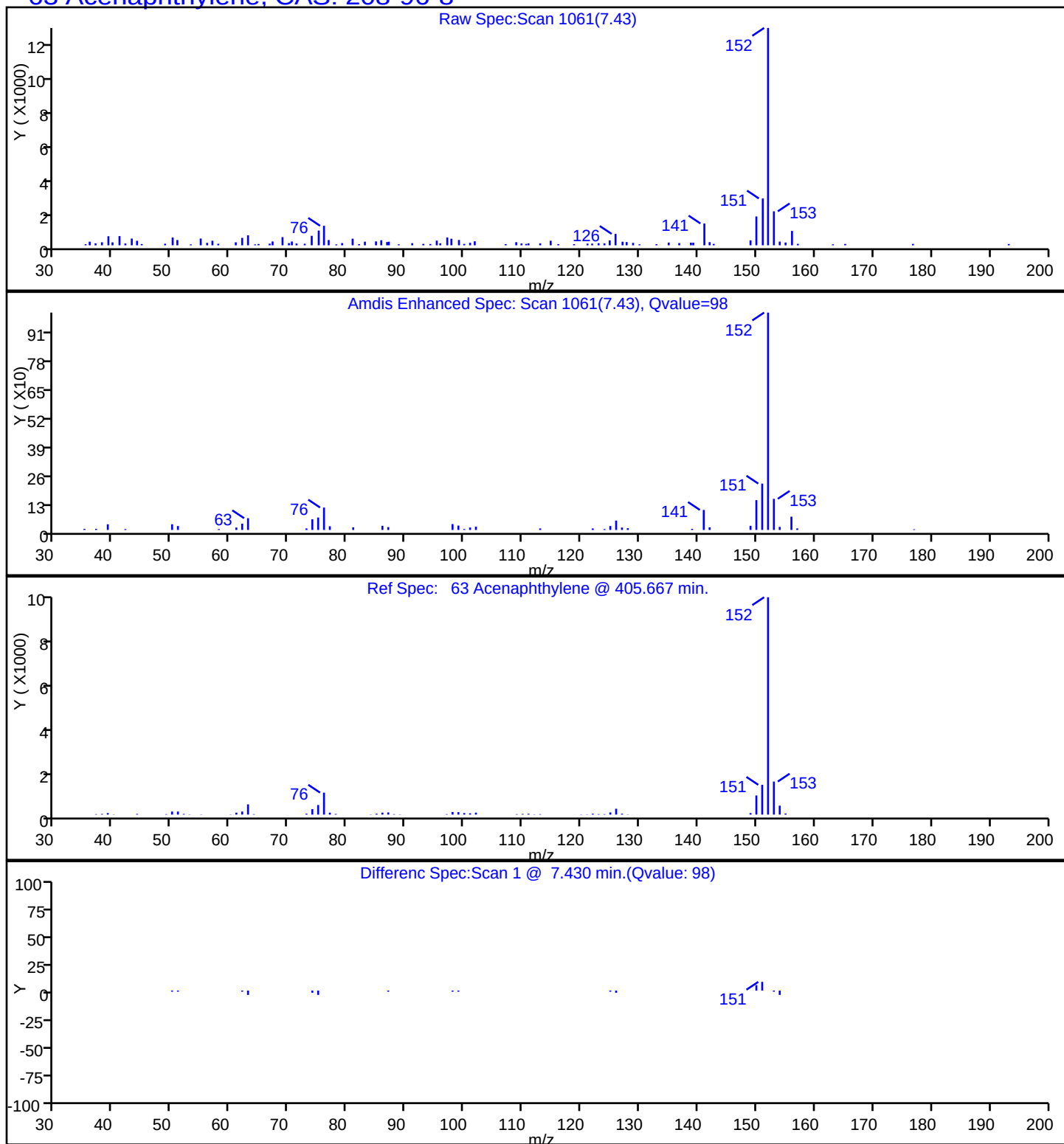
Dil. Factor: 1.0000

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\\20150915-31763.b\\z36341.D

Injection Date: 15-Sep-2015 10:01:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-2-B

Lab Sample ID: 460-100972-2

Client ID: WC-2

Operator ID:

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 1.0 ul

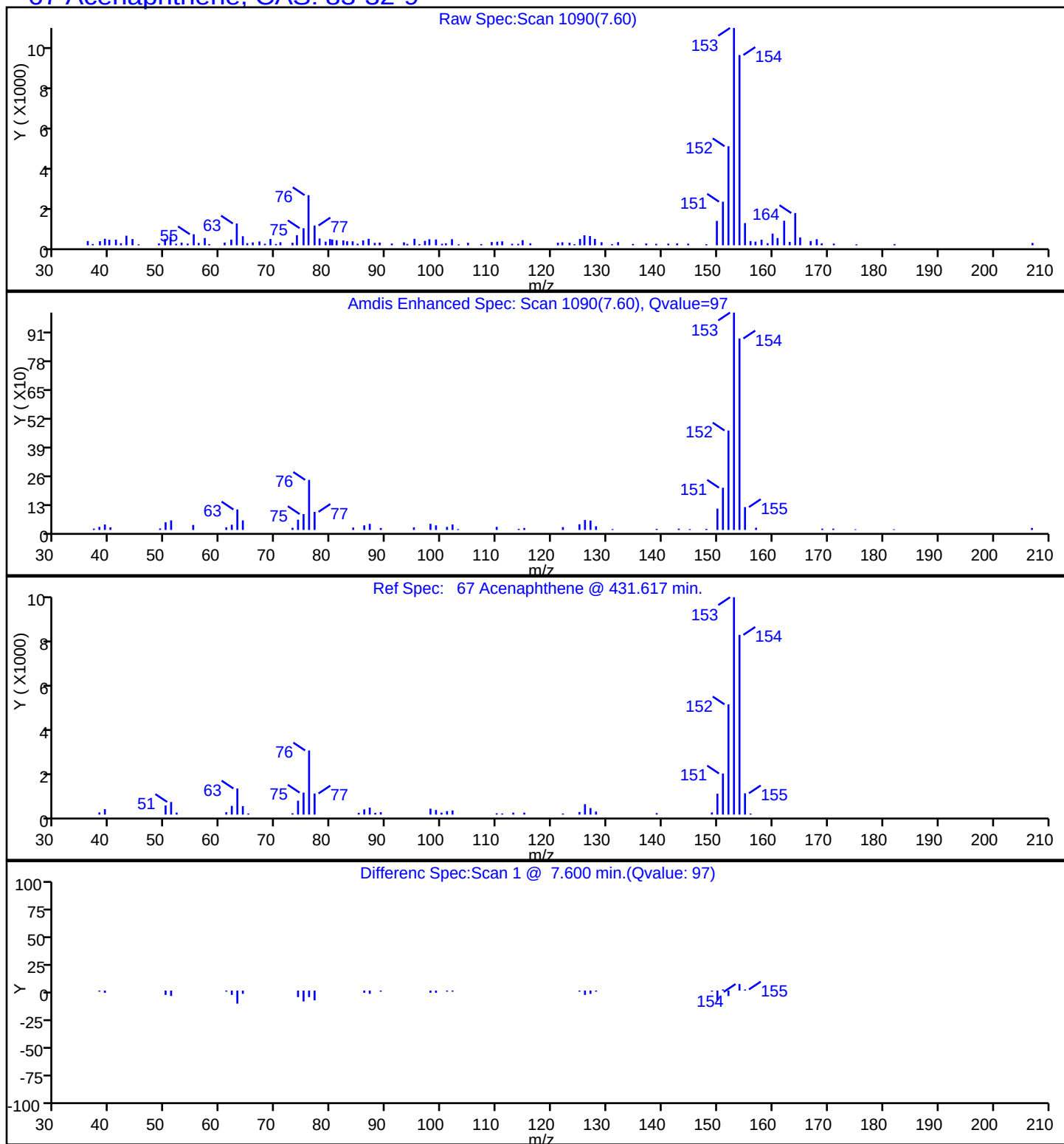
Dil. Factor: 1.0000

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\20150915-31763.b\z36341.D

Injection Date: 15-Sep-2015 10:01:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-2-B

Lab Sample ID: 460-100972-2

Client ID: WC-2

Operator ID:

ALS Bottle#:

19

Worklist Smp#:

19

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

Limit Group:

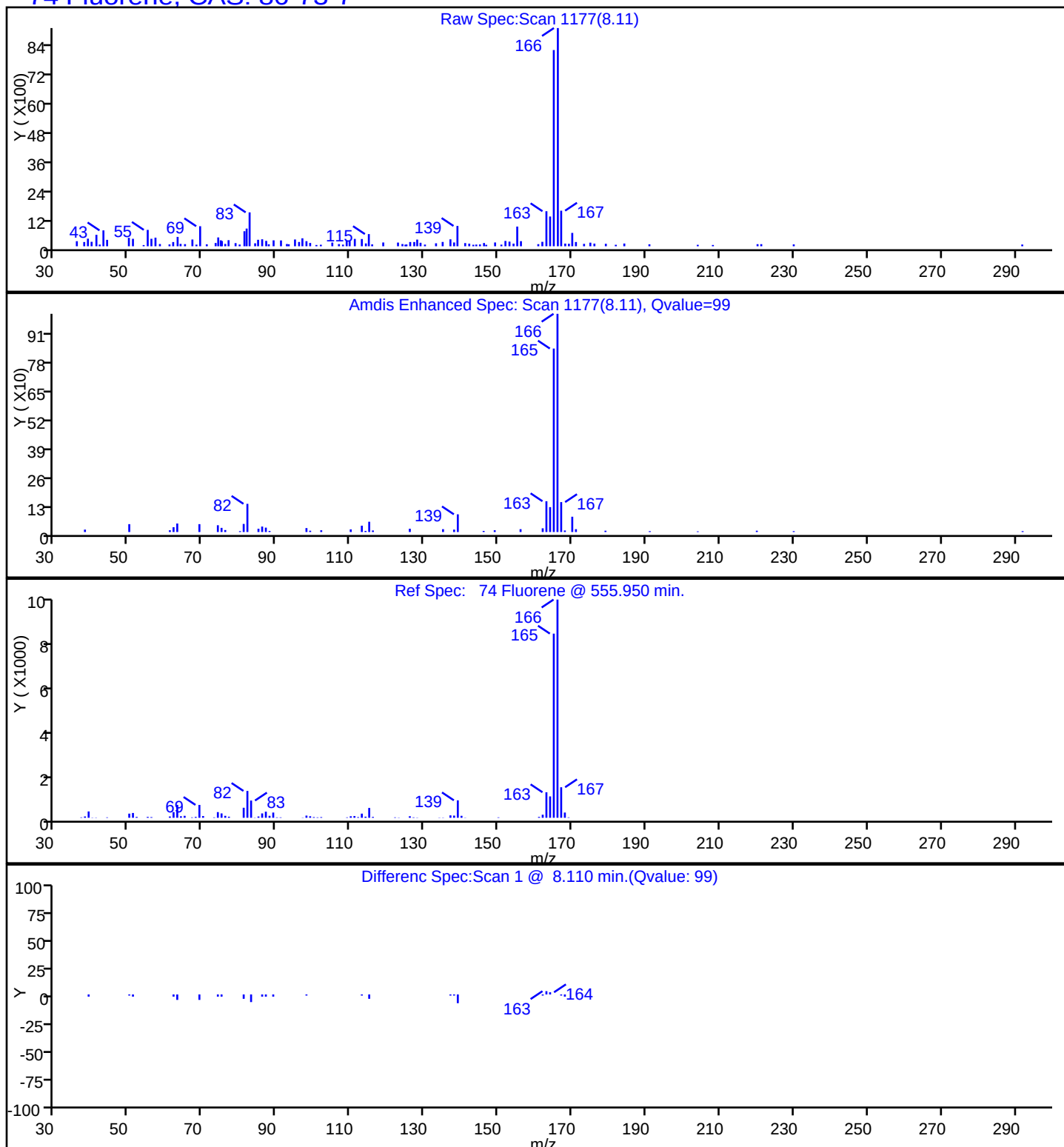
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

74 Fluorene, CAS: 86-73-7



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\z36341.D

Injection Date: 15-Sep-2015 10:01:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-2-B

Lab Sample ID: 460-100972-2

Client ID: WC-2

Operator ID:

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 1.0 ul

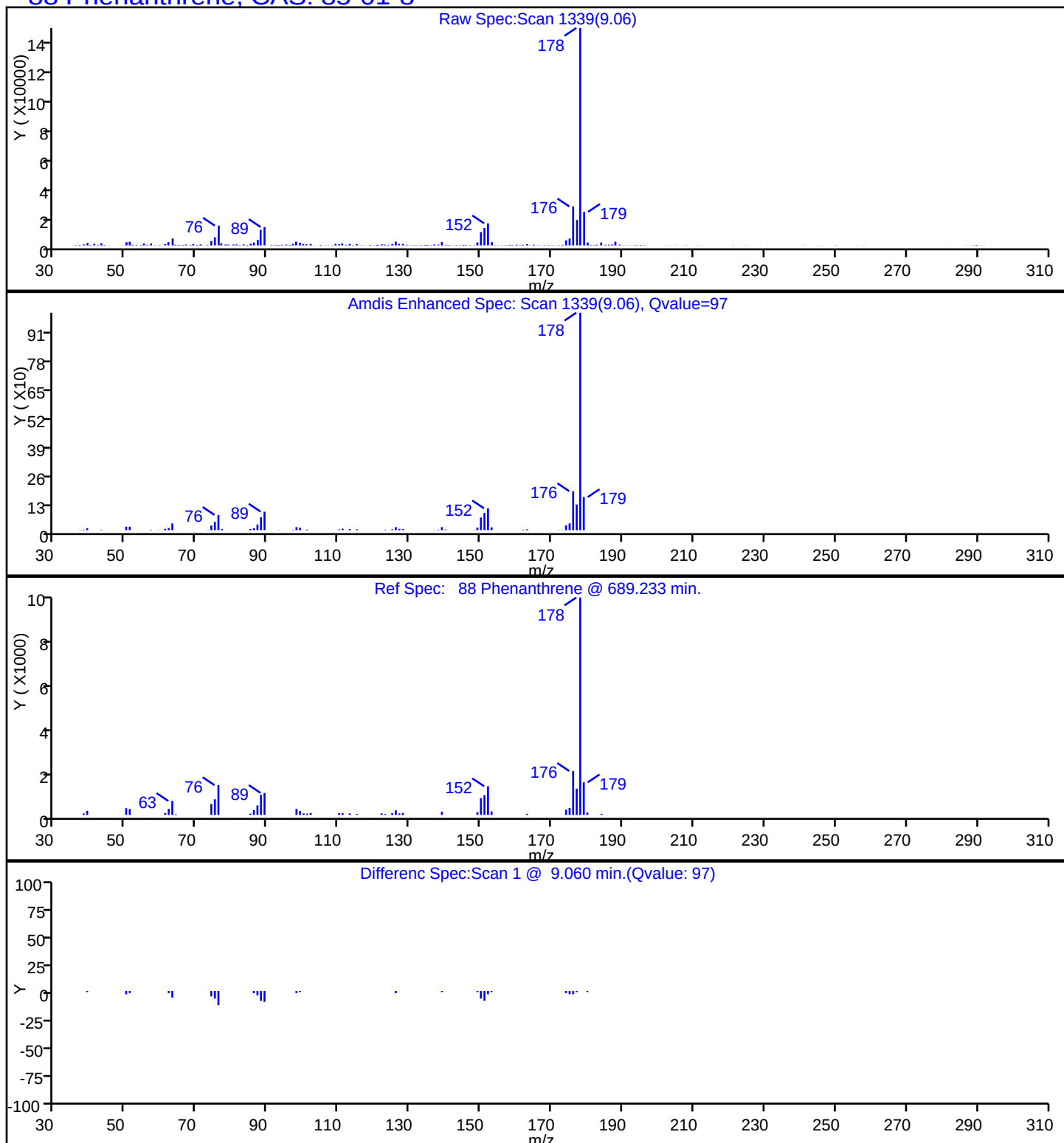
Dil. Factor: 1.0000

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\20150915-31763.b\z36341.D

Injection Date: 15-Sep-2015 10:01:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-2-B

Lab Sample ID: 460-100972-2

Client ID: WC-2

Operator ID:

ALS Bottle#:

19

Worklist Smp#:

19

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

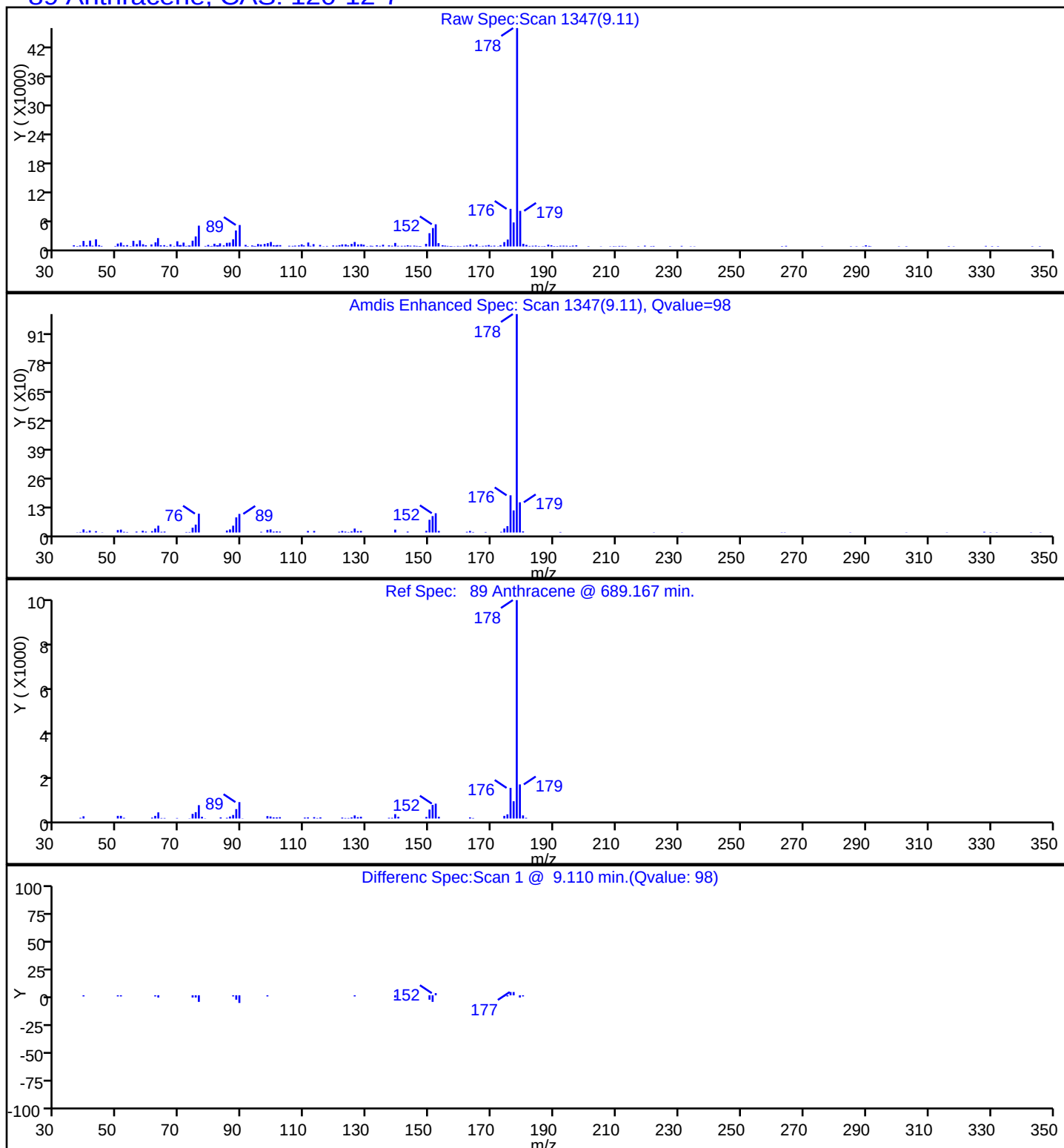
Limit Group:

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\20150915-31763.b\z36341.D

Injection Date: 15-Sep-2015 10:01:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-2-B

Lab Sample ID: 460-100972-2

Client ID: WC-2

Operator ID:

ALS Bottle#: 19 Worklist Smp#: 19

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

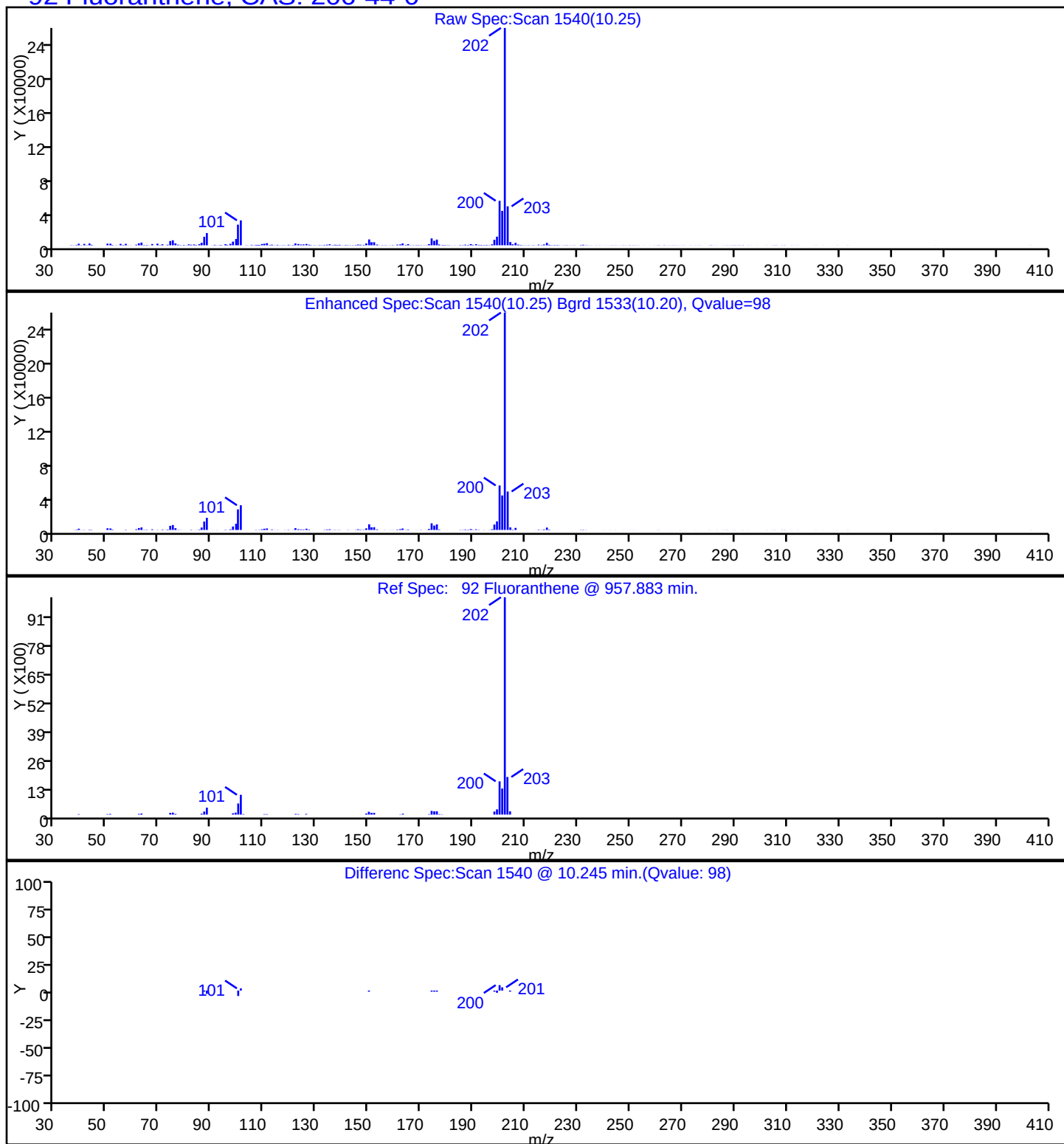
Method: 8270_11R_9

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\20150915-31763.b\z36341.D

Injection Date: 15-Sep-2015 10:01:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-2-B

Lab Sample ID: 460-100972-2

Client ID: WC-2

Operator ID:

ALS Bottle#:

19

Worklist Smp#:

19

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

Limit Group:

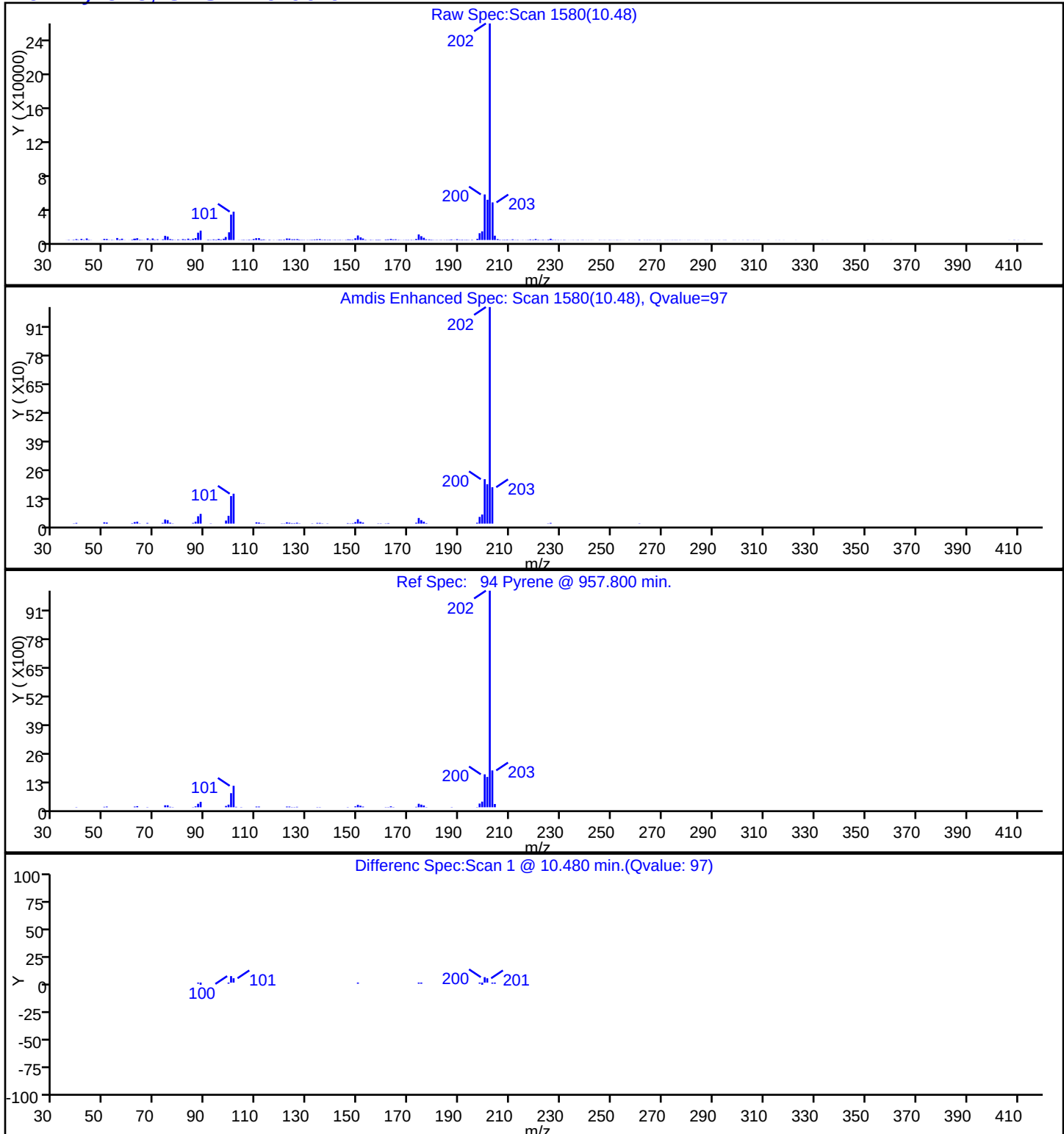
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

94 Pyrene, CAS: 129-00-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\z36341.D

Injection Date: 15-Sep-2015 10:01:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-2-B

Lab Sample ID: 460-100972-2

Client ID: WC-2

Operator ID:

ALS Bottle#:

19

Worklist Smp#:

19

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

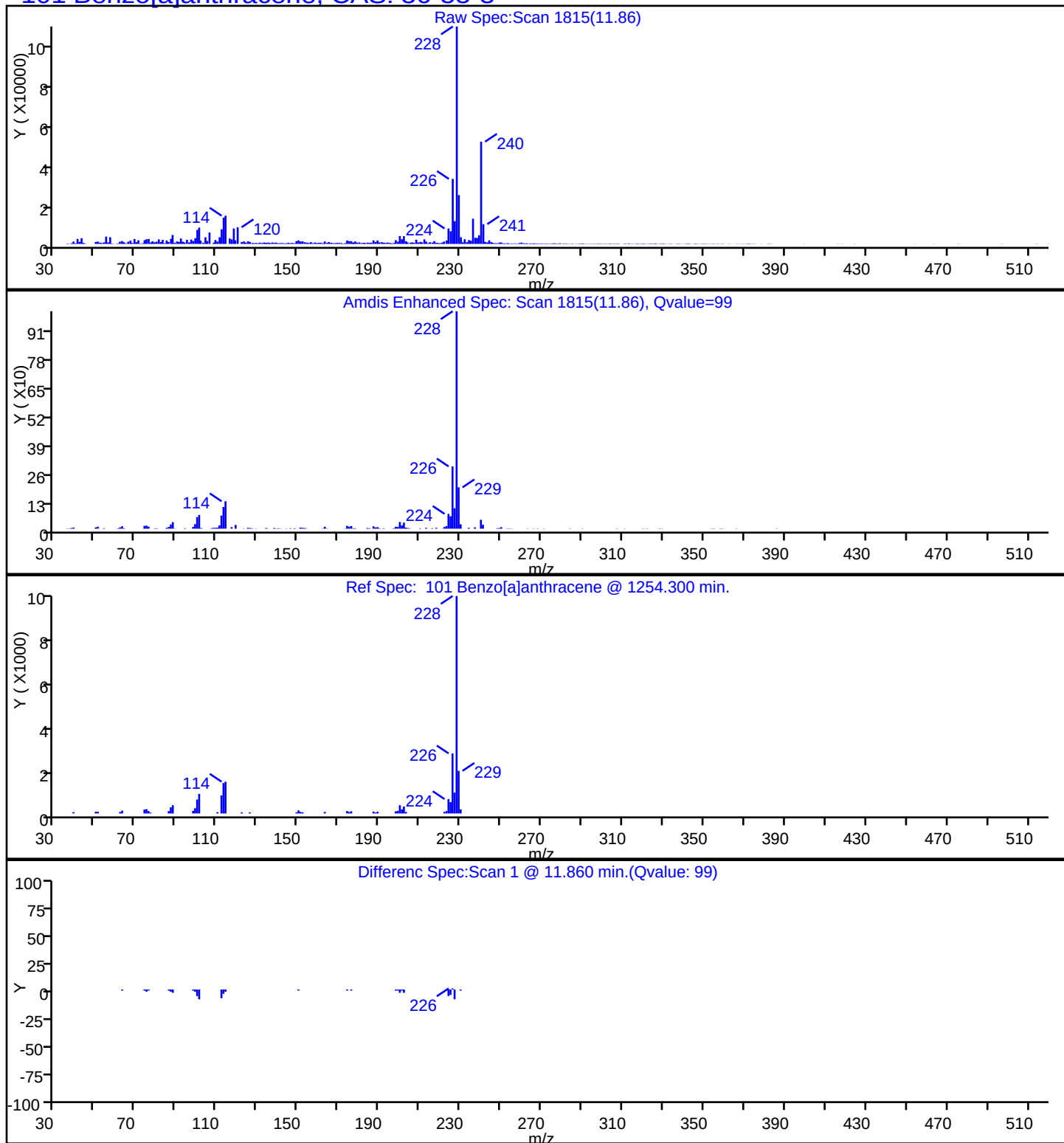
Limit Group:

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\\20150915-31763.b\\z36341.D

Injection Date: 15-Sep-2015 10:01:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-2-B

Lab Sample ID: 460-100972-2

Client ID: WC-2

Operator ID:

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 1.0 ul

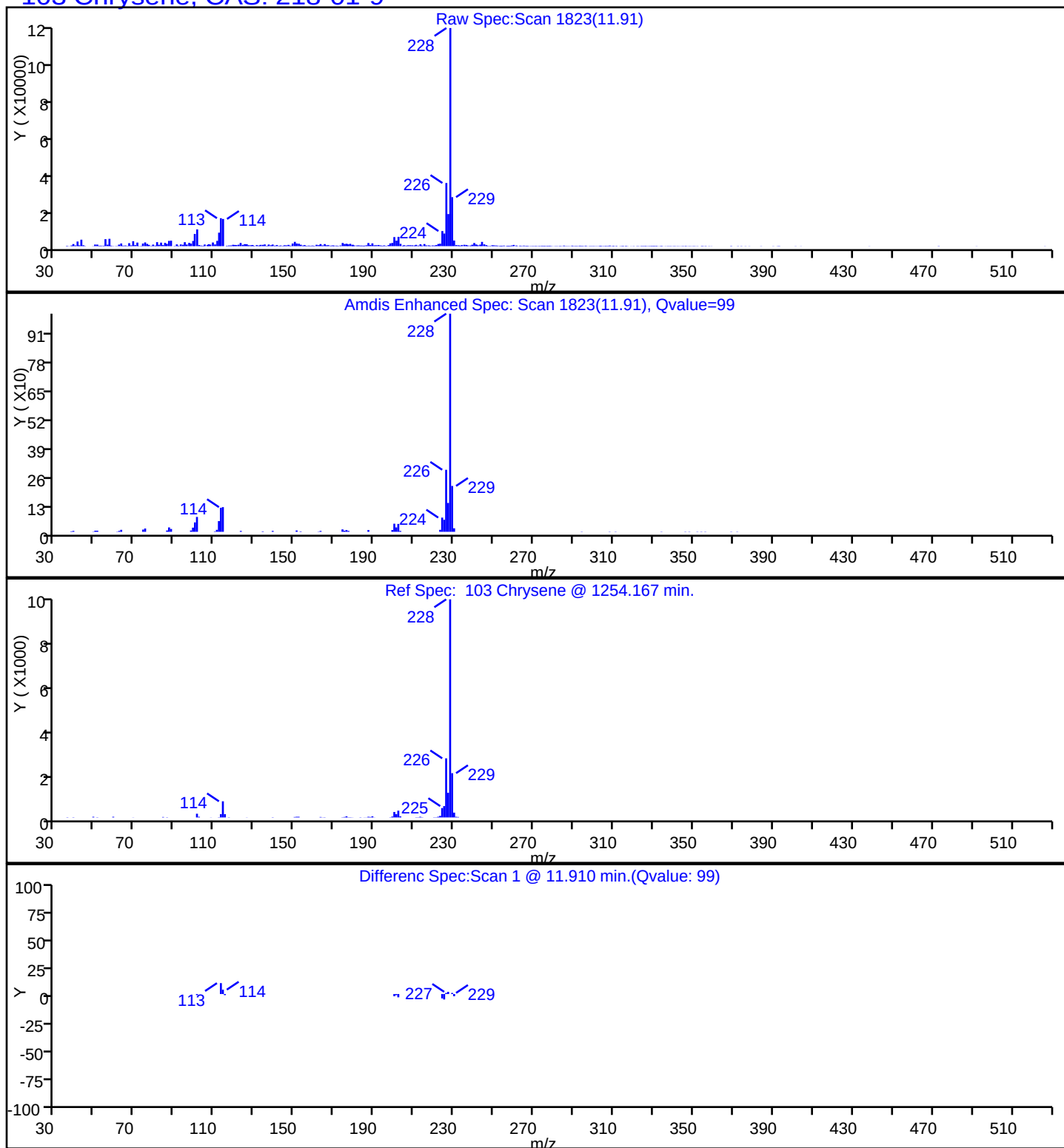
Dil. Factor: 1.0000

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\\20150915-31763.b\\z36341.D

Injection Date: 15-Sep-2015 10:01:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-2-B

Lab Sample ID: 460-100972-2

Client ID: WC-2

Operator ID:

ALS Bottle#:

19

Worklist Smp#:

19

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

Limit Group:

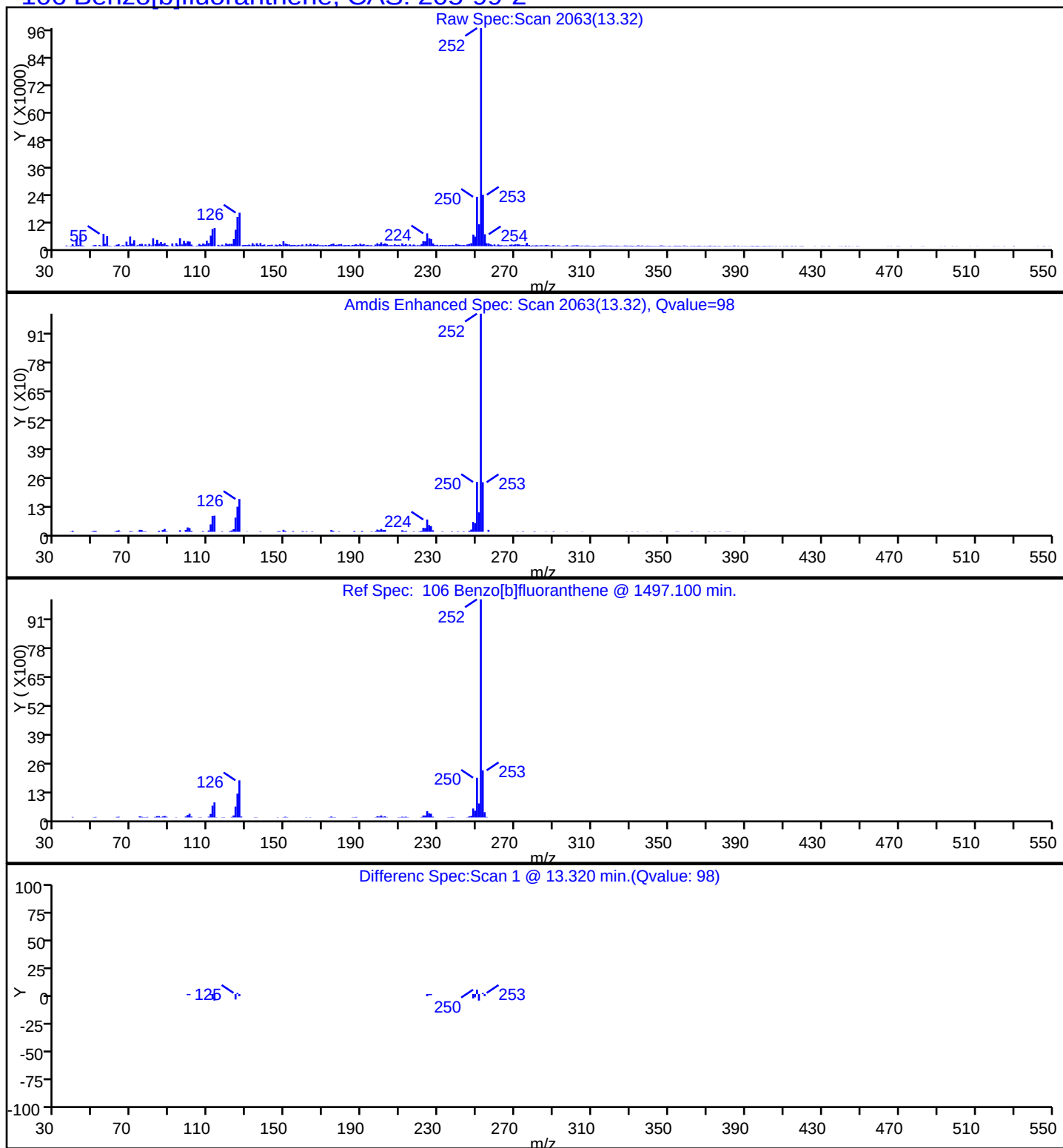
SV 8270D ICAL

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\\20150915-31763.b\\z36341.D

Injection Date: 15-Sep-2015 10:01:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-2-B

Lab Sample ID: 460-100972-2

Client ID: WC-2

Operator ID:

ALS Bottle#:

19

Worklist Smp#:

19

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

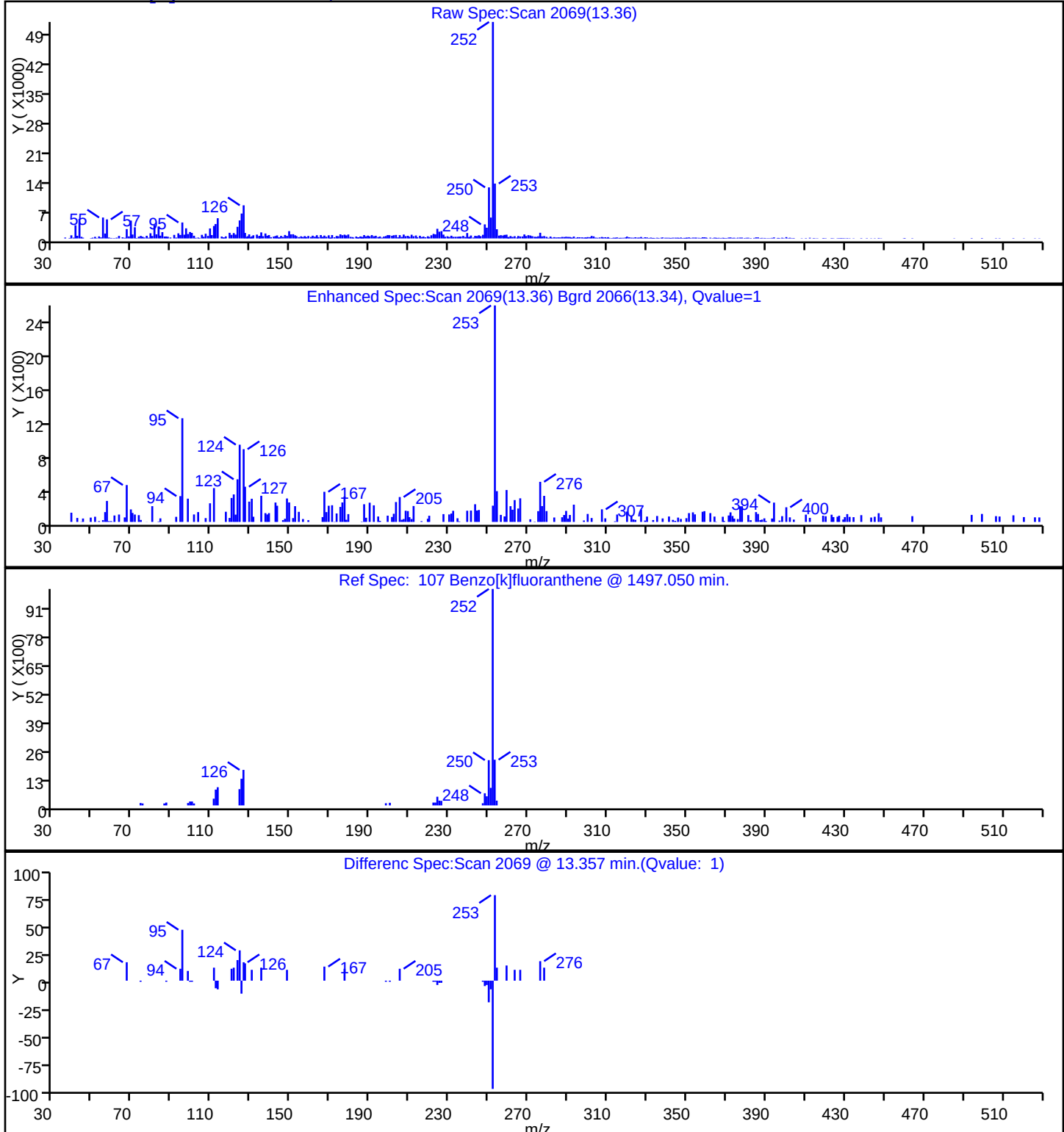
Limit Group:

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\20150915-31763.b\z36341.D

Injection Date: 15-Sep-2015 10:01:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-2-B

Lab Sample ID: 460-100972-2

Client ID: WC-2

Operator ID:

ALS Bottle#:

19

Worklist Smp#:

19

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

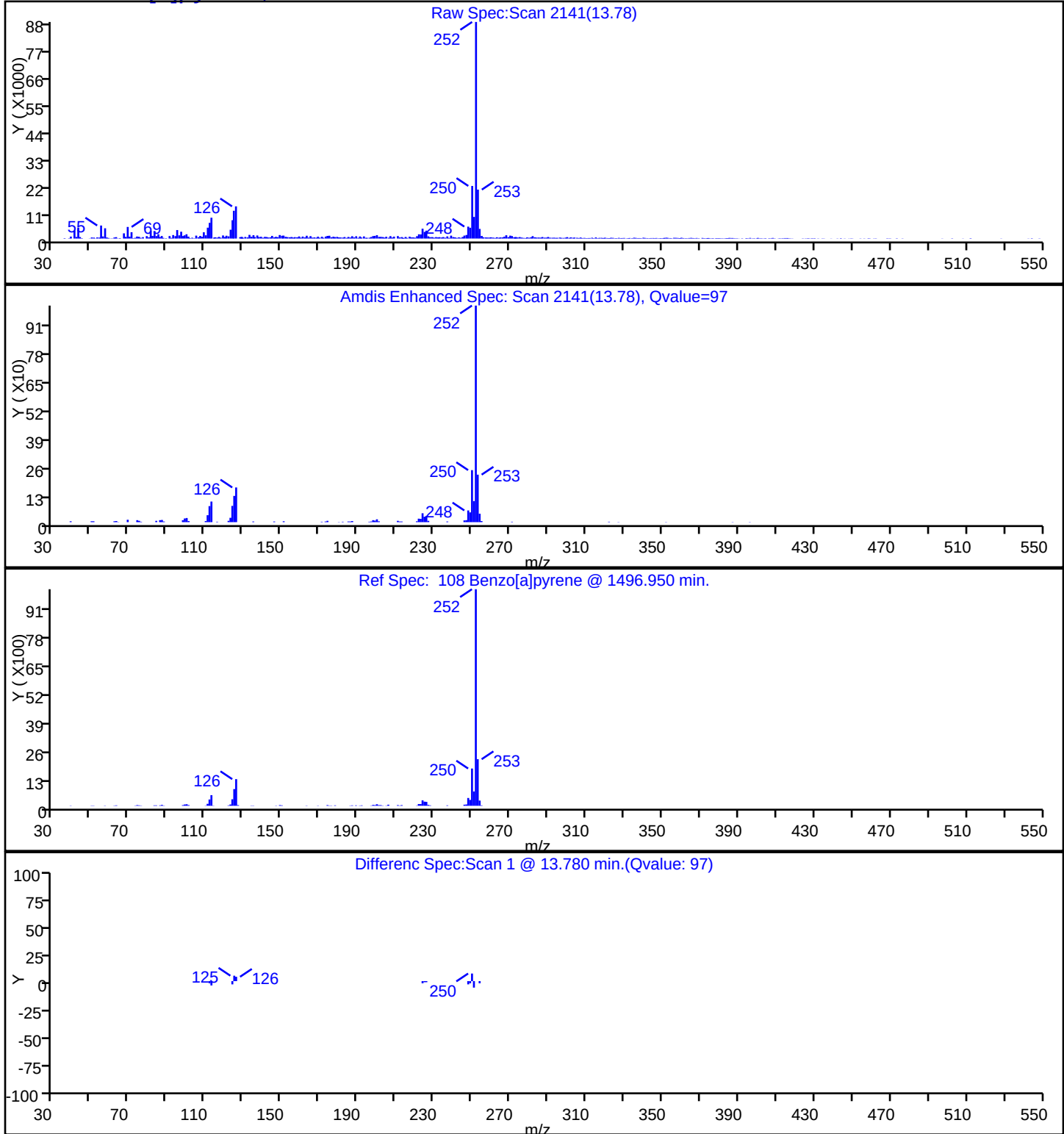
Limit Group:

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\20150915-31763.b\z36341.D

Injection Date: 15-Sep-2015 10:01:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-2-B

Lab Sample ID: 460-100972-2

Client ID: WC-2

Operator ID:

ALS Bottle#:

19

Worklist Smp#:

19

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

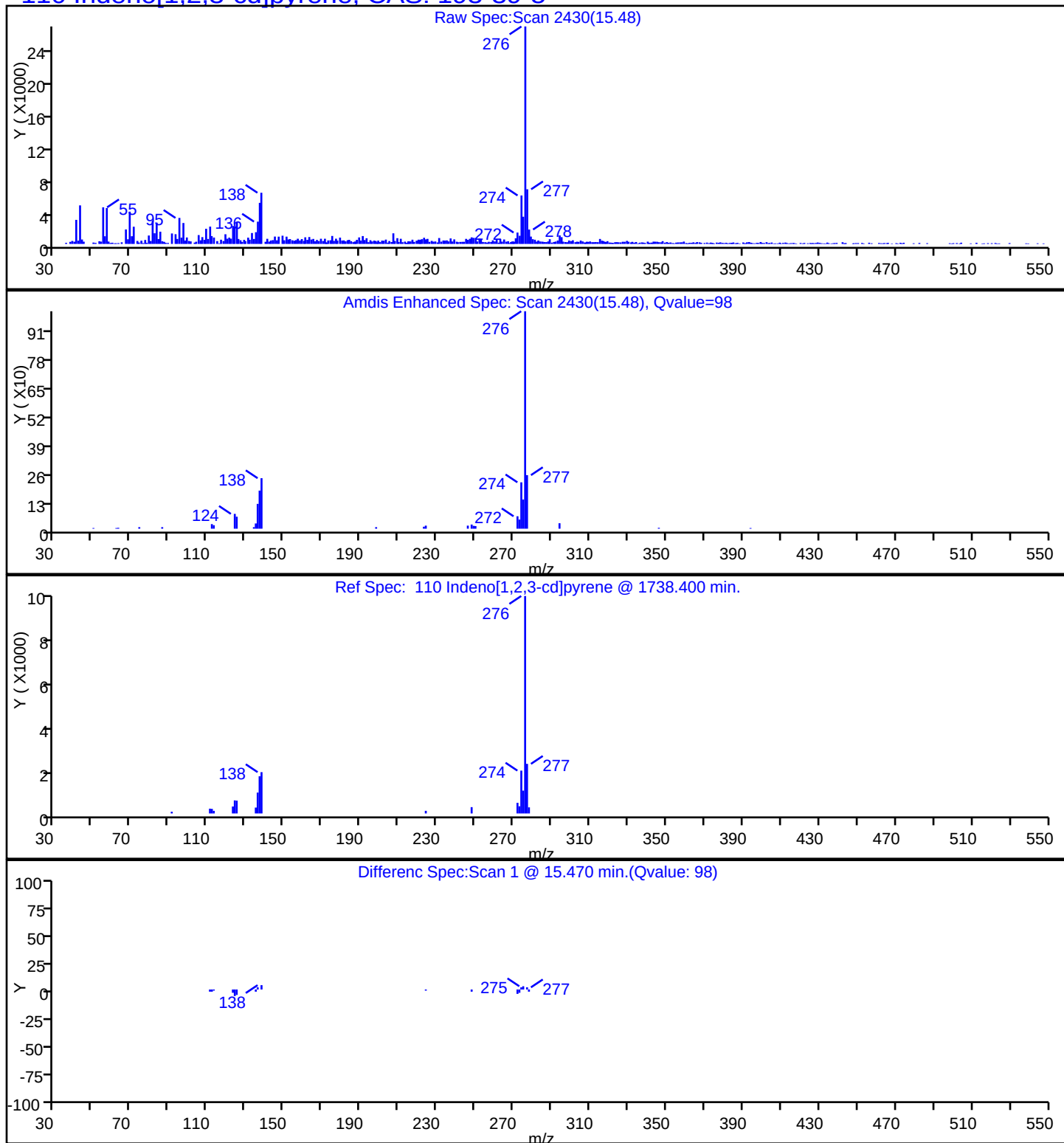
Limit Group:

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\\20150915-31763.b\\z36341.D

Injection Date: 15-Sep-2015 10:01:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-2-B

Lab Sample ID: 460-100972-2

Client ID: WC-2

Operator ID:

ALS Bottle#:

19

Worklist Smp#:

19

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

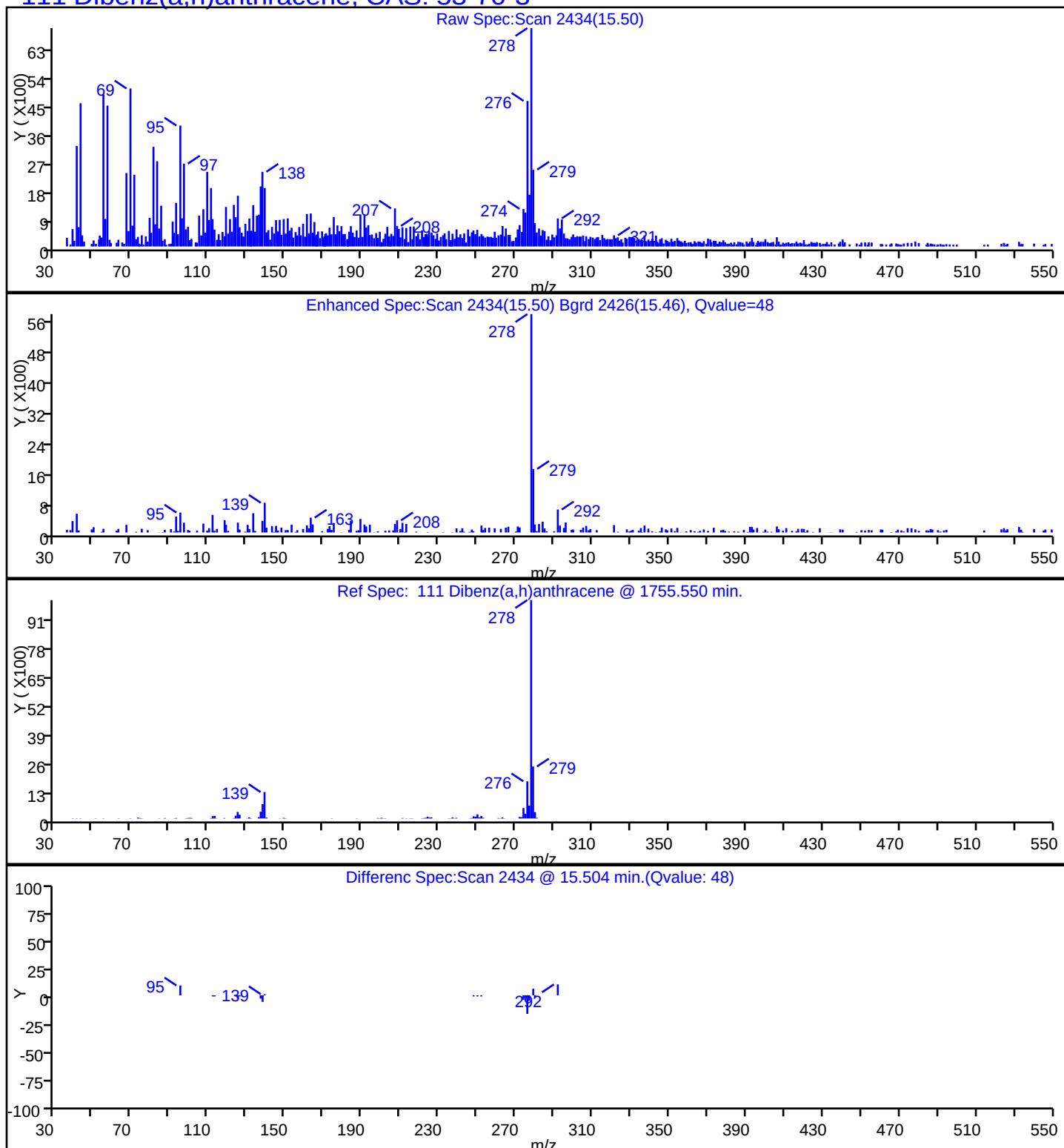
Limit Group:

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\20150915-31763.b\z36341.D

Injection Date: 15-Sep-2015 10:01:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-2-B

Lab Sample ID: 460-100972-2

Client ID: WC-2

Operator ID:

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 1.0 ul

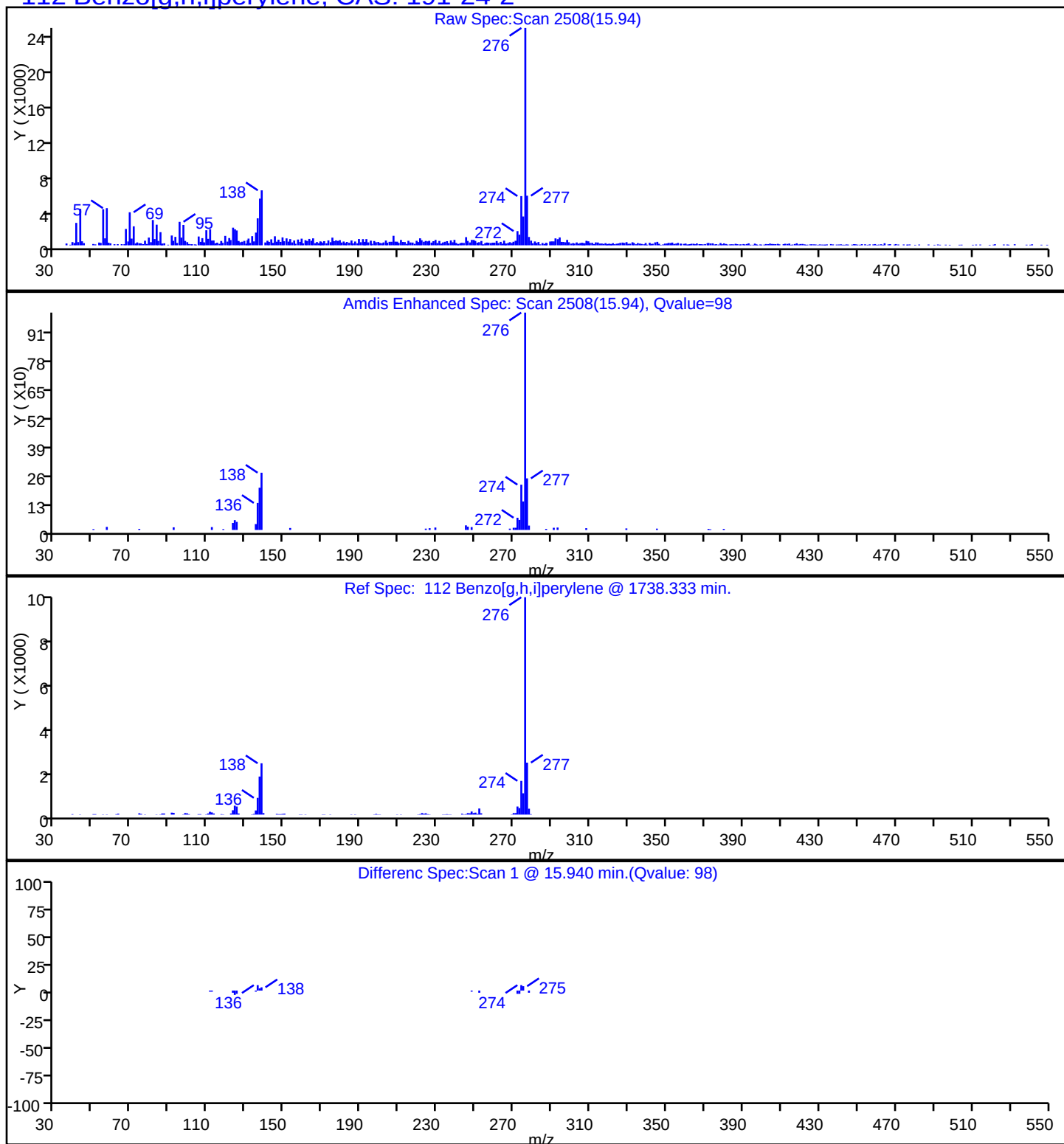
Dil. Factor: 1.0000

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>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-3</u>	Lab Sample ID: <u>460-100972-3</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x6427.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>09/11/2015 08:42</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>09/14/2015 08:46</u>
Sample wt/vol: <u>15.0247(g)</u>	Date Analyzed: <u>09/15/2015 13:51</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>15.9</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322397</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.17	J	2.0	0.050
91-57-6	2-Methylnaphthalene	0.11	J	2.0	0.043
208-96-8	Acenaphthylene	0.090	J	2.0	0.050
83-32-9	Acenaphthene	1.6	J	2.0	0.047
86-73-7	Fluorene	1.4	J	2.0	0.043
85-01-8	Phenanthrene	30		2.0	0.052
120-12-7	Anthracene	12		2.0	0.19
206-44-0	Fluoranthene	33		2.0	0.058
129-00-0	Pyrene	22		2.0	0.089
56-55-3	Benzo[a]anthracene	10		0.20	0.16
218-01-9	Chrysene	15		2.0	0.053
205-99-2	Benzo[b]fluoranthene	8.3		0.20	0.077
207-08-9	Benzo[k]fluoranthene	3.1		0.20	0.085
50-32-8	Benzo[a]pyrene	6.0		0.20	0.059
193-39-5	Indeno[1,2,3-cd]pyrene	6.5		0.20	0.13
53-70-3	Dibenz(a,h)anthracene	1.5		0.20	0.10
191-24-2	Benzo[g,h,i]perylene	5.4		2.0	0.11

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	87		30-130
1718-51-0	Terphenyl-d14	91		30-130
321-60-8	2-Fluorobiphenyl	104		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150915-31765.b\6427.D
 Lims ID: 460-100972-A-3-D Lab Sample ID: 460-100972-3
 Client ID: WC-3
 Sample Type: Client
 Inject. Date: 15-Sep-2015 13:51:30 ALS Bottle#: 27 Worklist Smp#: 27
 Injection Vol: 1.0 ul Dil. Factor: 5.0000
 Sample Info: 460-0031765-027
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20150915-31765.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 15-Sep-2015 23:14:35 Calib Date: 03-Sep-2015 07:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20150903-31423.b\6009.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: bayoumiw

Date: 15-Sep-2015 23:14:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	4.251	4.256	-0.006	95	234306	40.0	
\$ 26 Nitrobenzene-d5	82	4.803	4.815	-0.012	86	55634	8.65	
* 38 Naphthalene-d8	136	5.533	5.538	-0.005	99	746844	40.0	
39 Naphthalene	128	5.550	5.556	-0.006	98	8120	0.4290	
44 2-Methylnaphthalene	142	6.250	6.250	0.000	89	3340	0.2717	
\$ 51 2-Fluorobiphenyl	172	6.615	6.615	0.000	98	117747	10.4	
61 Acenaphthylene	152	7.139	7.144	-0.005	98	3286	0.2282	
* 65 Acenaphthene-d10	164	7.280	7.285	-0.005	93	330512	40.0	
67 Acenaphthene	154	7.309	7.315	-0.006	93	38569	4.05	
75 Fluorene	166	7.821	7.821	0.000	97	35705	3.47	
* 88 Phenanthrene-d10	188	8.738	8.738	0.000	98	407356	40.0	
89 Phenanthrene	178	8.768	8.762	0.006	97	865063	75.6	
90 Anthracene	178	8.815	8.815	0.000	99	342140	29.7	
93 Fluoranthene	202	9.938	9.932	0.006	98	825534	83.7	
95 Pyrene	202	10.156	10.156	0.000	98	612519	56.7	
\$ 96 Terphenyl-d14	244	10.315	10.309	0.006	99	68616	9.11	
101 Benzo[a]anthracene	228	11.474	11.468	0.006	98	202211	26.2	
* 102 Chrysene-d12	240	11.485	11.485	0.000	99	268368	40.0	
103 Chrysene	228	11.515	11.515	0.000	99	259407	37.5	
106 Benzo[b]fluoranthene	252	12.868	12.867	0.001	98	212382	21.1	
107 Benzo[k]fluoranthene	252	12.903	12.903	0.000	1	84982	7.74	
108 Benzo[a]pyrene	252	13.309	13.309	0.000	97	136851	15.2	
* 109 Perylene-d12	264	13.385	13.385	0.000	98	349653	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.879	14.879	0.000	99	103754	16.5	
111 Dibenzo(a,h)anthracene	278	14.909	14.914	-0.005	95	24508	3.72	
112 Benzo[g,h,i]perylene	276	15.291	15.291	0.000	98	96628	13.7	

Reagents:

SM_ISTD_00092 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20150915-31765.b\\x6427.D

Injection Date: 15-Sep-2015 13:51:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: 460-100972-A-3-D

Lab Sample ID: 460-100972-3

Worklist Smp#: 27

Client ID: WC-3

Injection Vol: 1.0 ul

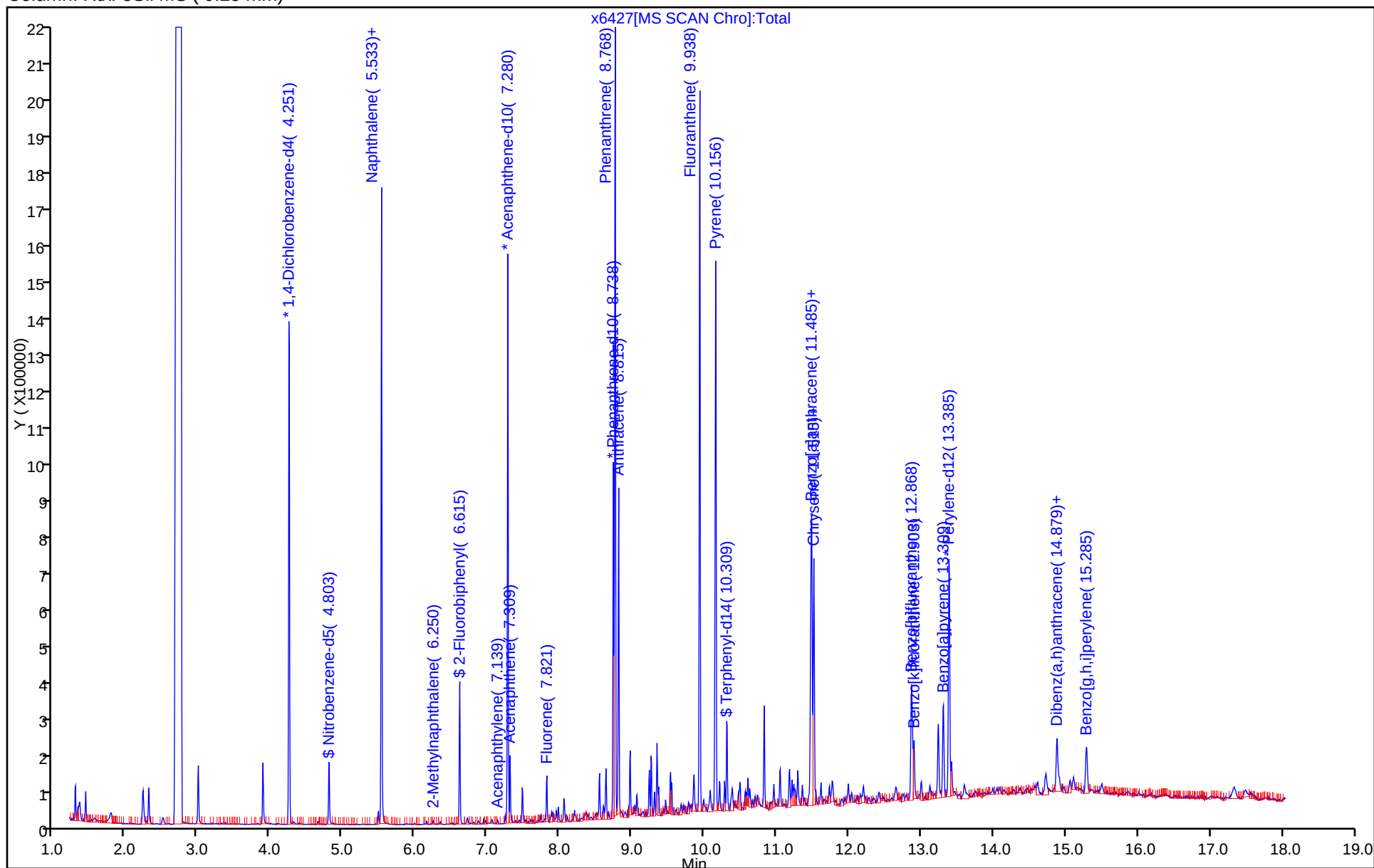
Dil. Factor: 5.0000

ALS Bottle#: 27

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150915-31765.b\6427.D

Injection Date: 15-Sep-2015 13:51:30

Instrument ID: CBNAMS5

Lims ID: 460-100972-A-3-D

Lab Sample ID: 460-100972-3

Client ID: WC-3

Operator ID:

ALS Bottle#: 27

Worklist Smp#: 27

Injection Vol: 1.0 ul

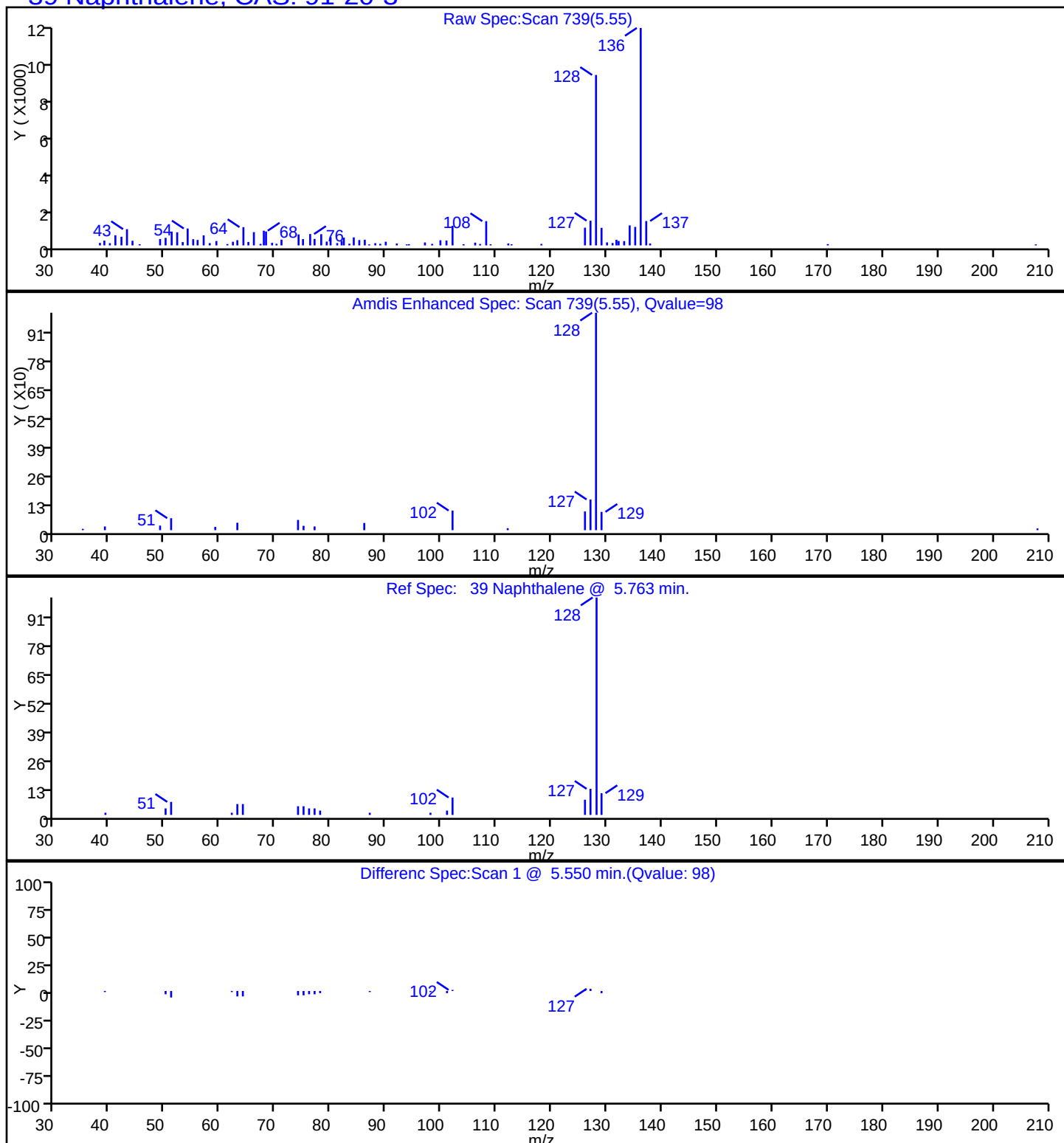
Dil. Factor: 5.0000

Method: 8270_5R

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\CBNAMS5\20150915-31765.b\6427.D

Injection Date: 15-Sep-2015 13:51:30

Instrument ID: CBNAMS5

Lims ID: 460-100972-A-3-D

Lab Sample ID: 460-100972-3

Client ID: WC-3

Operator ID:

ALS Bottle#: 27

Worklist Smp#: 27

Injection Vol: 1.0 ul

Dil. Factor: 5.0000

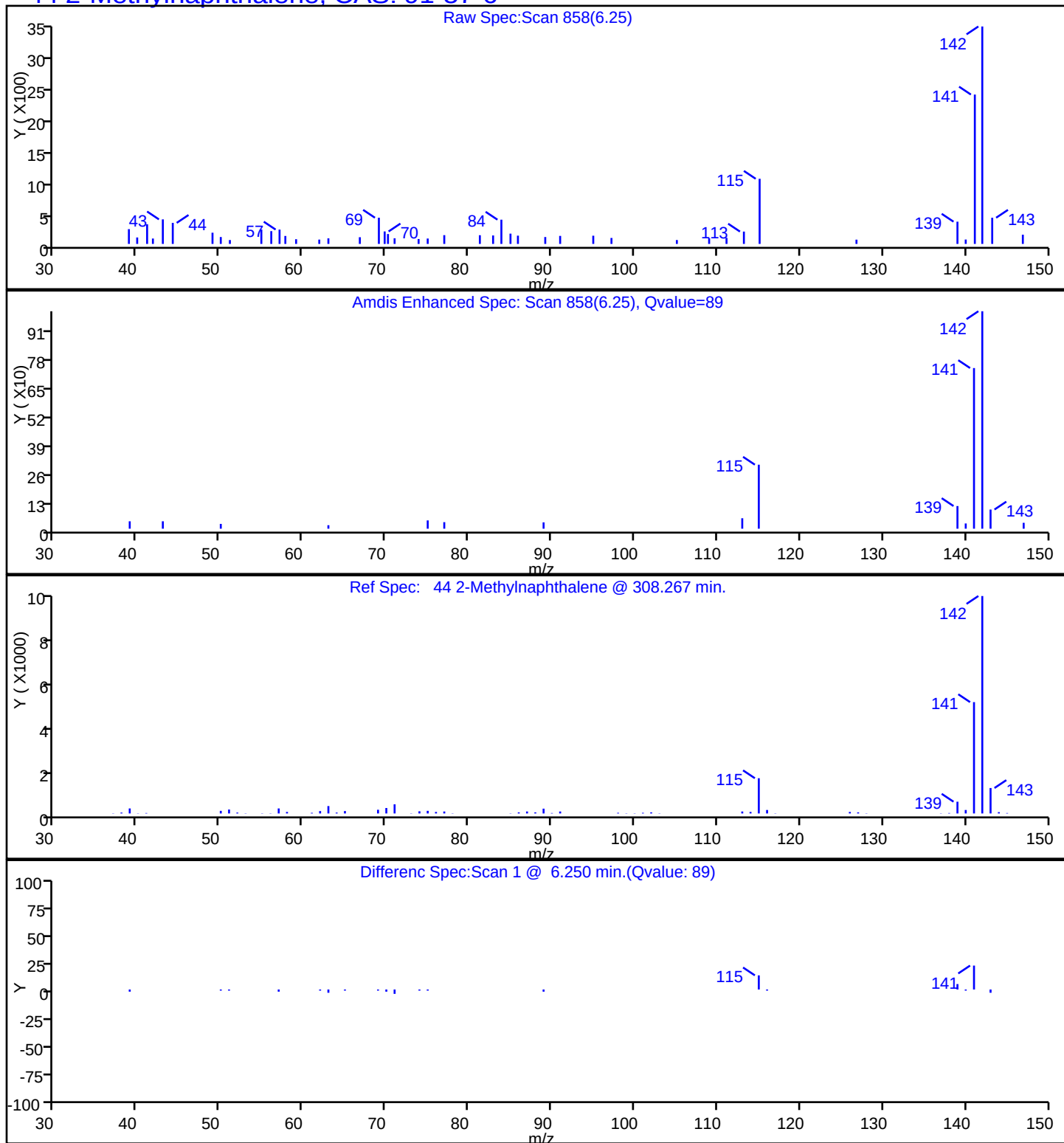
Method: 8270_5R

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\CBNAMS5\20150915-31765.b\6427.D

Injection Date: 15-Sep-2015 13:51:30

Instrument ID: CBNAMS5

Lims ID: 460-100972-A-3-D

Lab Sample ID: 460-100972-3

Client ID: WC-3

Operator ID:

ALS Bottle#: 27

Worklist Smp#: 27

Injection Vol: 1.0 ul

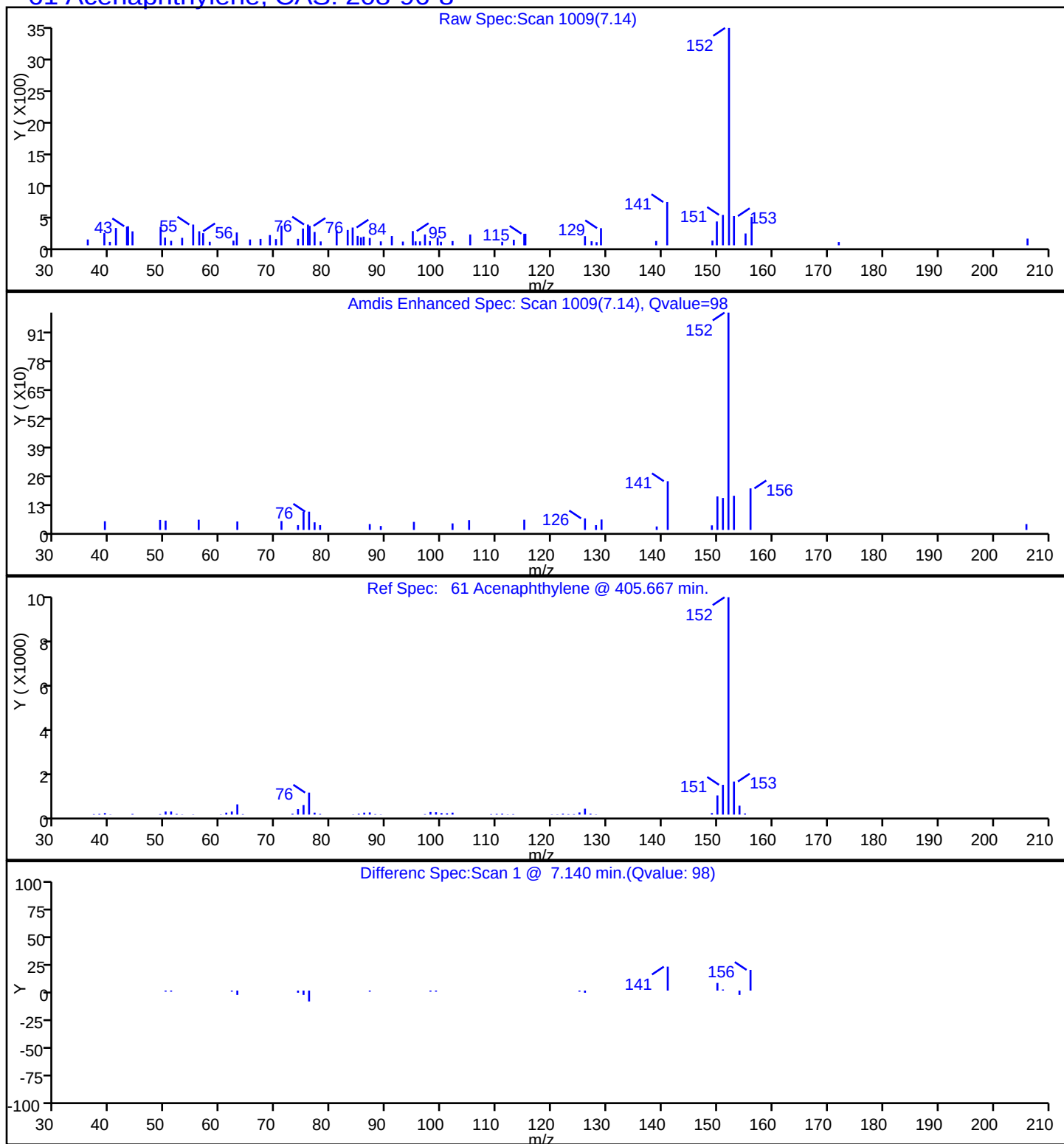
Dil. Factor: 5.0000

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

61 Acenaphthylene, CAS: 208-96-8

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20150915-31765.b\\x6427.D

Injection Date: 15-Sep-2015 13:51:30

Instrument ID: CBNAMS5

Lims ID: 460-100972-A-3-D

Lab Sample ID: 460-100972-3

Client ID: WC-3

Operator ID:

ALS Bottle#: 27

Worklist Smp#: 27

Injection Vol: 1.0 ul

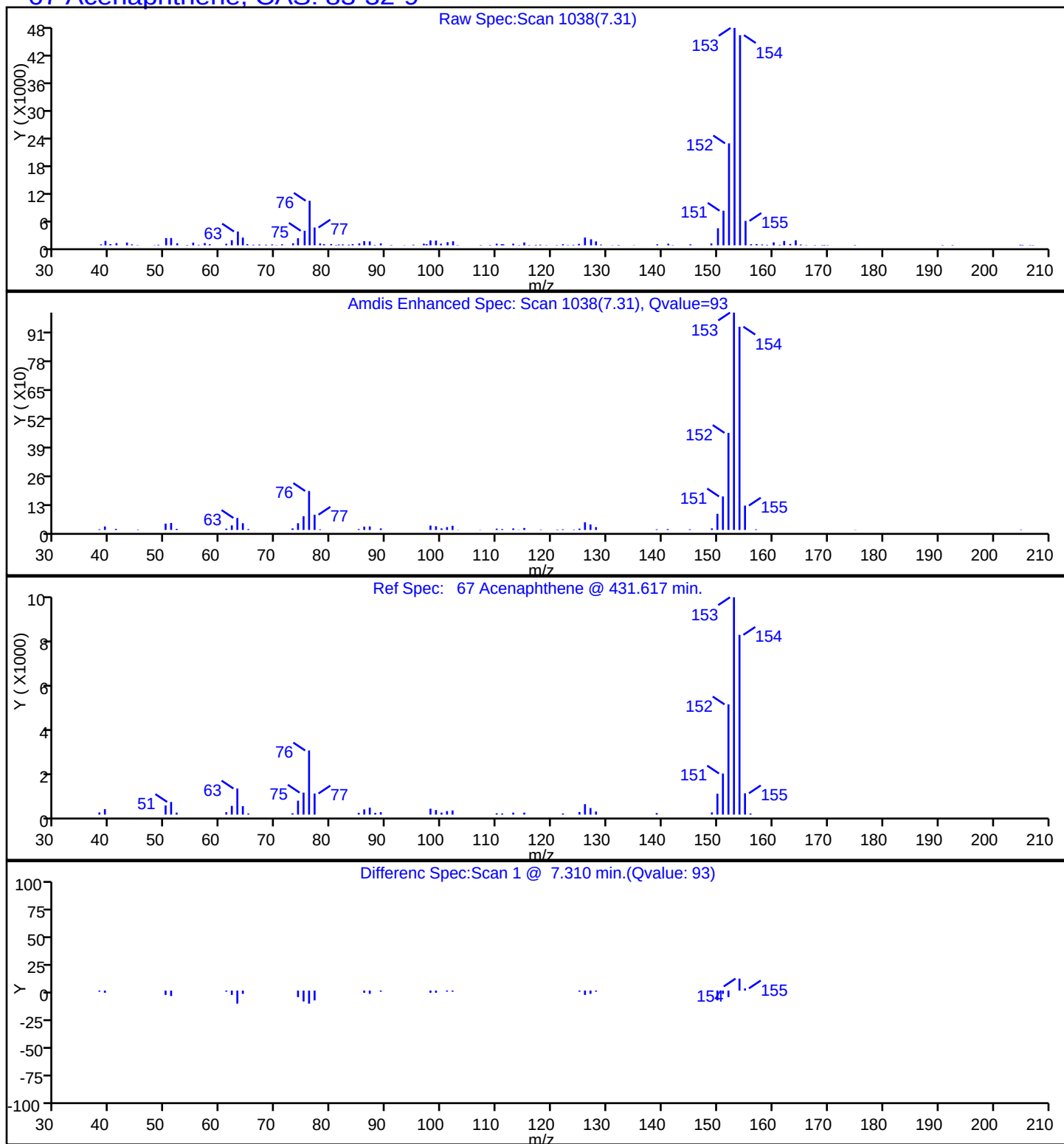
Dil. Factor: 5.0000

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\\20150915-31765.b\\x6427.D

Injection Date: 15-Sep-2015 13:51:30

Instrument ID: CBNAMS5

Lims ID: 460-100972-A-3-D

Lab Sample ID: 460-100972-3

Client ID: WC-3

Operator ID:

ALS Bottle#: 27

Worklist Smp#: 27

Injection Vol: 1.0 ul

Dil. Factor: 5.0000

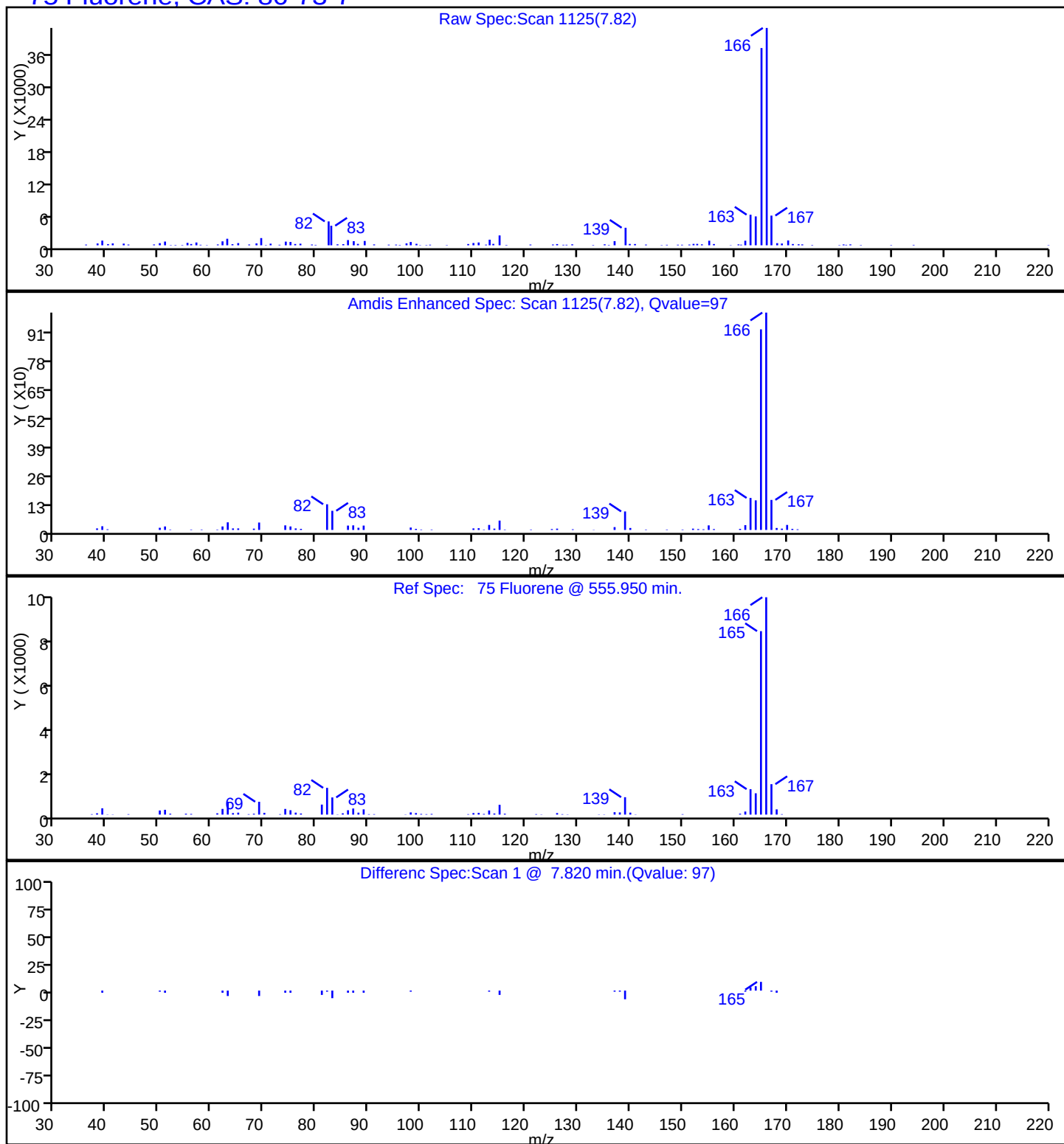
Method: 8270_5R

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\20150915-31765.b\6427.D

Injection Date: 15-Sep-2015 13:51:30

Instrument ID: CBNAMS5

Lims ID: 460-100972-A-3-D

Lab Sample ID: 460-100972-3

Client ID: WC-3

Operator ID:

ALS Bottle#: 27

Worklist Smp#: 27

Injection Vol: 1.0 ul

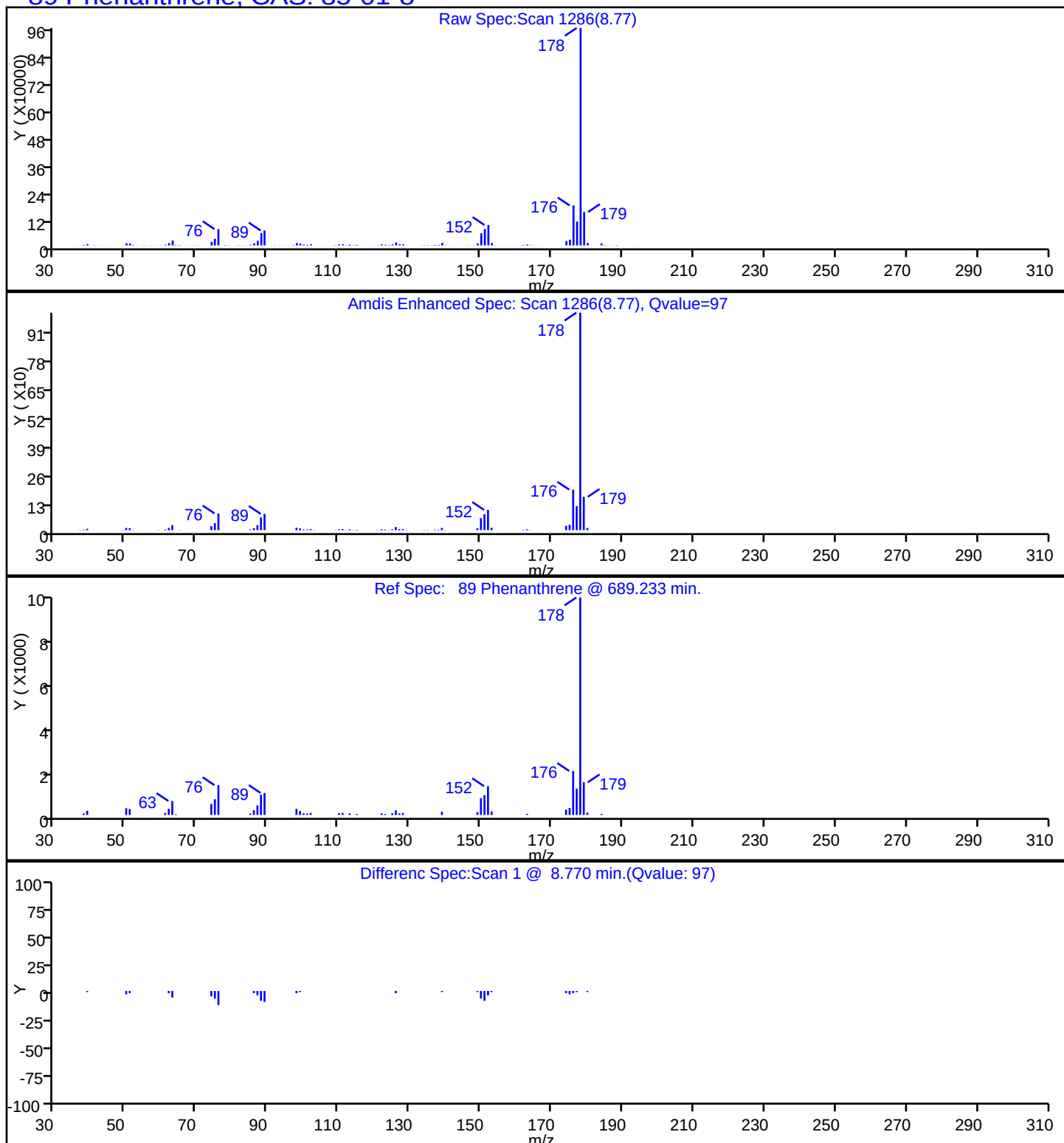
Dil. Factor: 5.0000

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\\20150915-31765.b\\x6427.D

Injection Date: 15-Sep-2015 13:51:30

Instrument ID: CBNAMS5

Lims ID: 460-100972-A-3-D

Lab Sample ID: 460-100972-3

Client ID: WC-3

Operator ID:

ALS Bottle#:

27

Worklist Smp#:

27

Injection Vol: 1.0 ul

Dil. Factor:

5.0000

Method: 8270_5R

Limit Group:

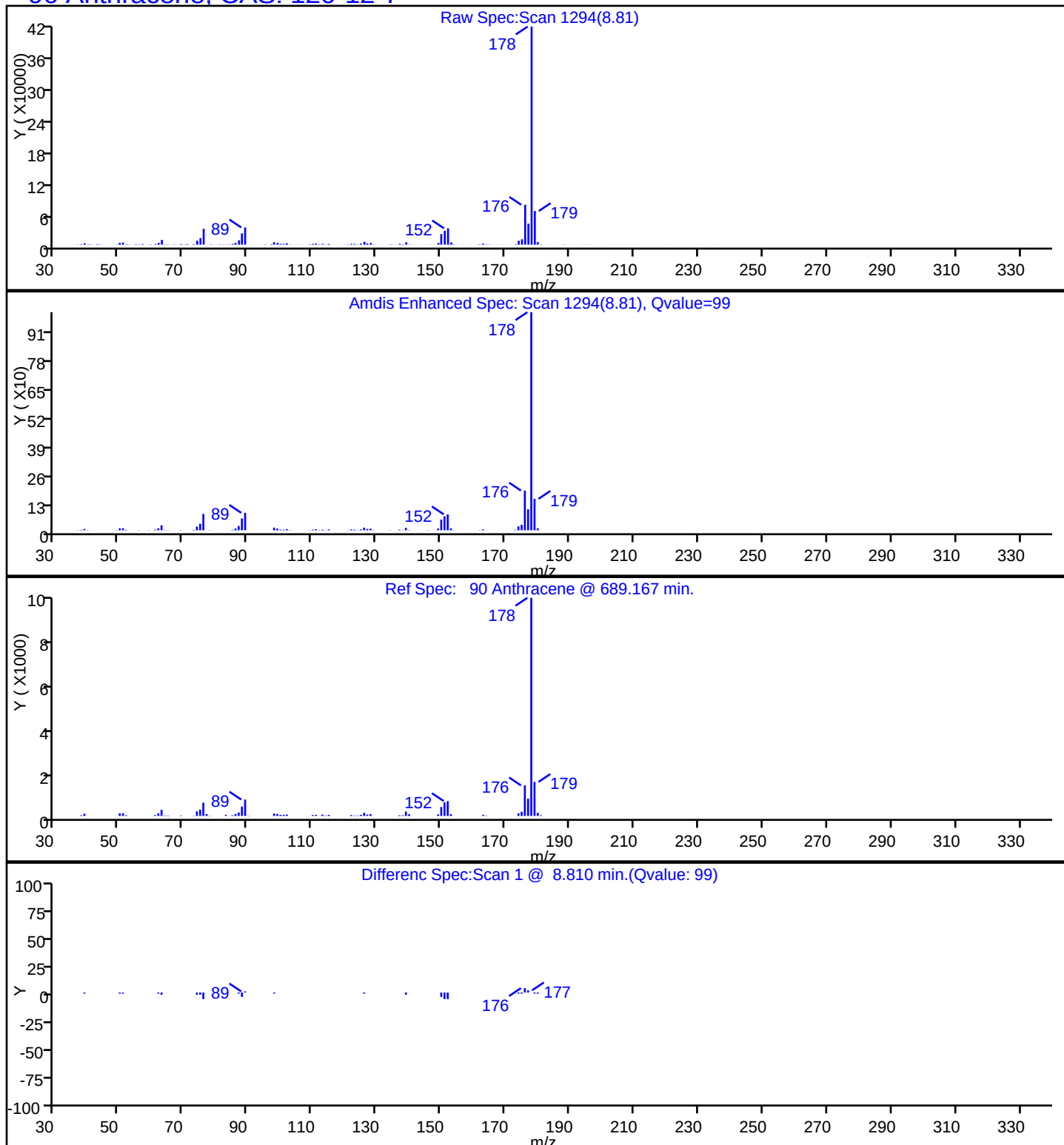
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

90 Anthracene, CAS: 120-12-7



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150915-31765.b\6427.D

Injection Date: 15-Sep-2015 13:51:30

Instrument ID: CBNAMS5

Lims ID: 460-100972-A-3-D

Lab Sample ID: 460-100972-3

Client ID: WC-3

Operator ID:

ALS Bottle#: 27

Worklist Smp#: 27

Injection Vol: 1.0 ul

Dil. Factor: 5.0000

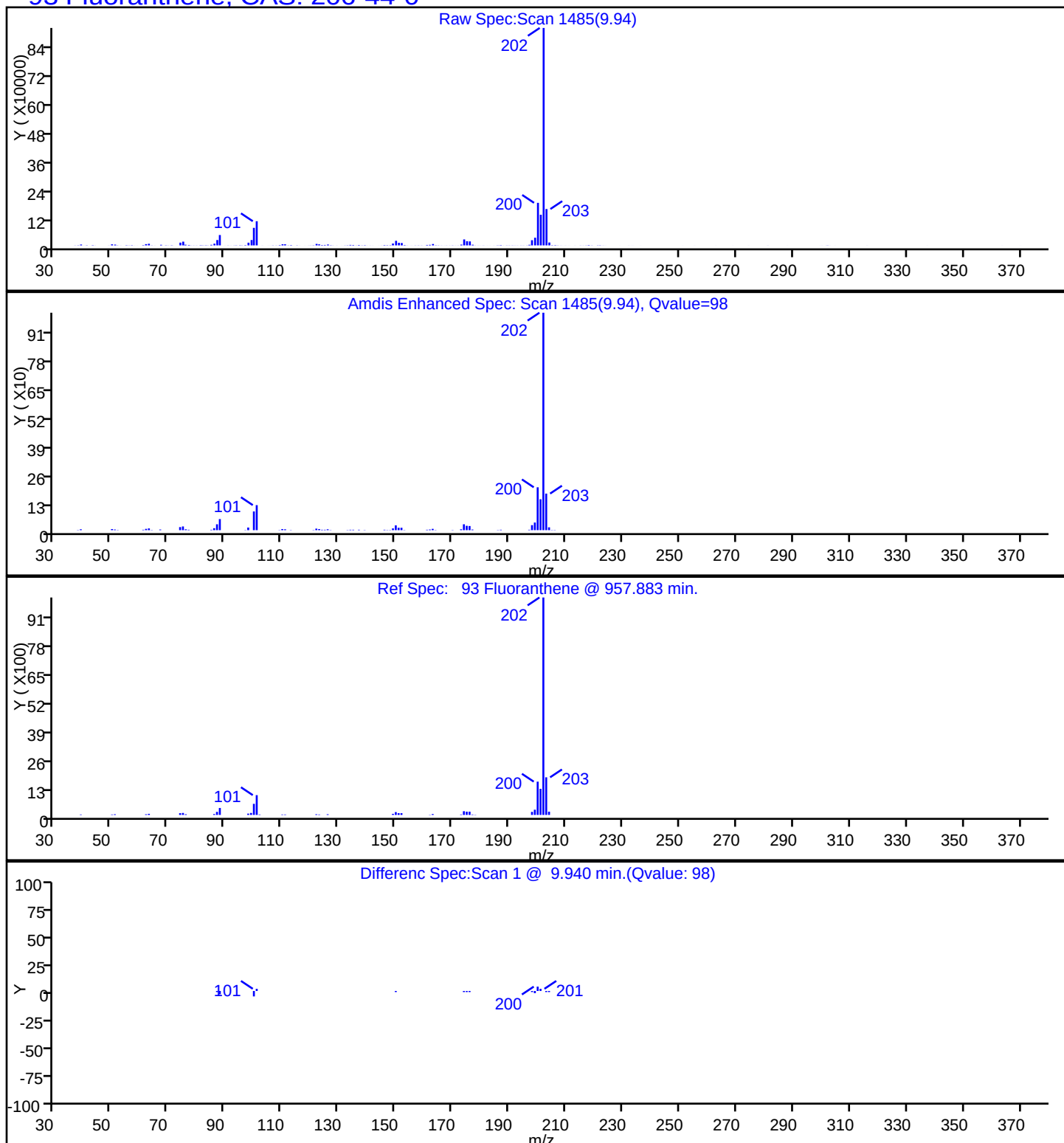
Method: 8270_5R

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\20150915-31765.b\6427.D

Injection Date: 15-Sep-2015 13:51:30

Instrument ID: CBNAMS5

Lims ID: 460-100972-A-3-D

Lab Sample ID: 460-100972-3

Client ID: WC-3

Operator ID:

ALS Bottle#:

27

Worklist Smp#:

27

Injection Vol: 1.0 ul

Dil. Factor:

5.0000

Method: 8270_5R

Limit Group:

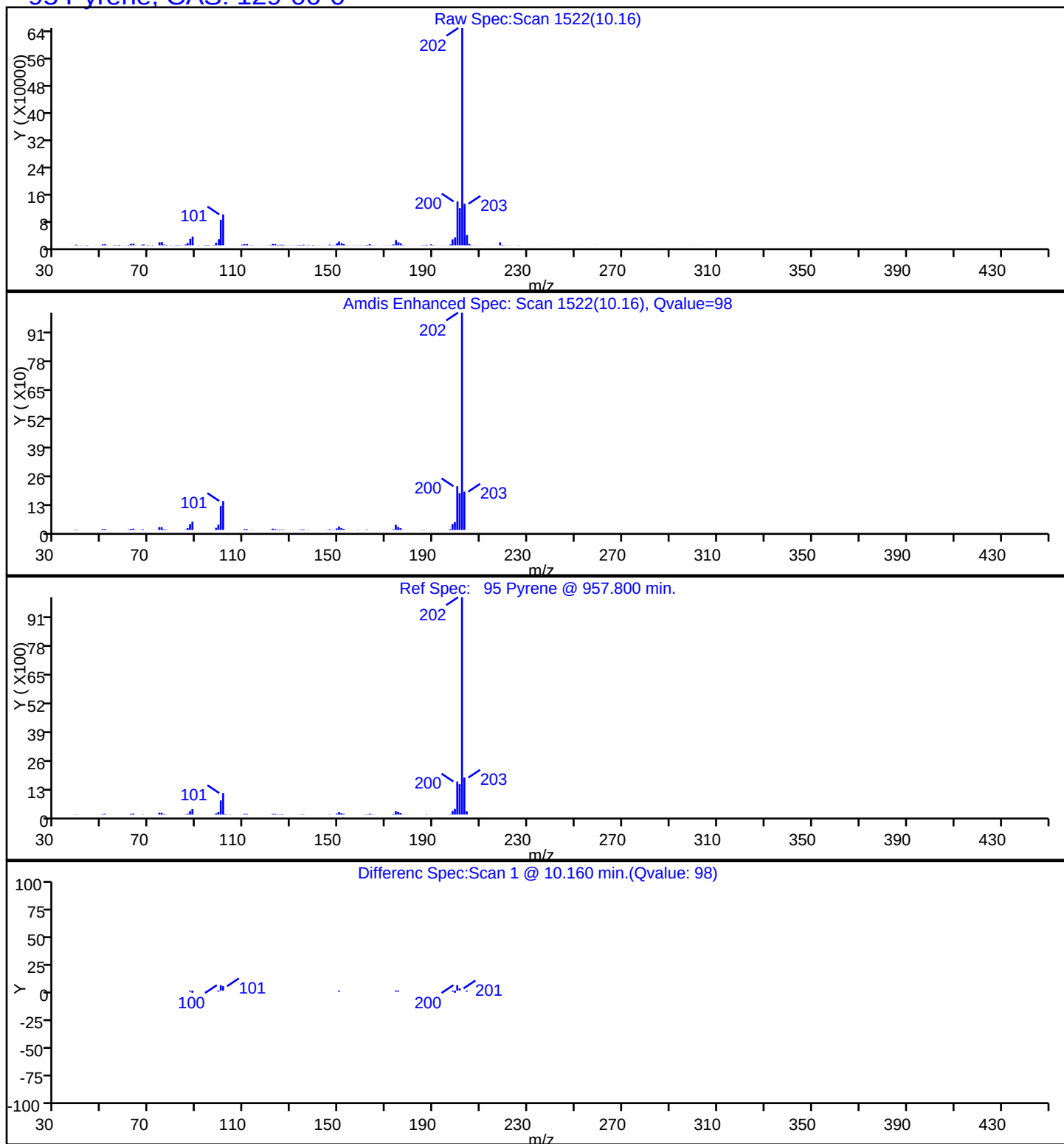
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

95 Pyrene, CAS: 129-00-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150915-31765.b\6427.D

Injection Date: 15-Sep-2015 13:51:30

Instrument ID: CBNAMS5

Lims ID: 460-100972-A-3-D

Lab Sample ID: 460-100972-3

Client ID: WC-3

Operator ID:

ALS Bottle#: 27

Worklist Smp#: 27

Injection Vol: 1.0 ul

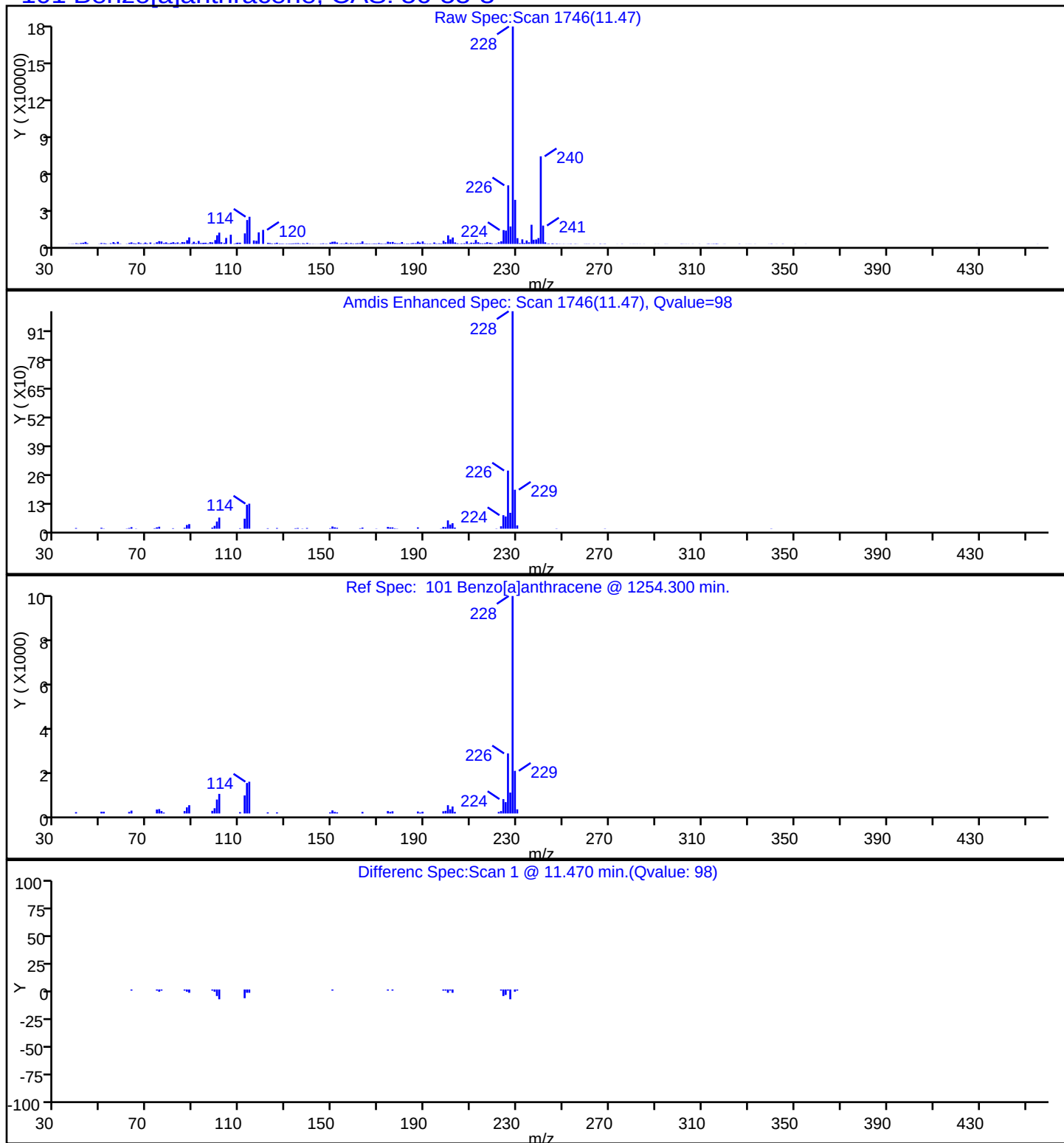
Dil. Factor: 5.0000

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\20150915-31765.b\6427.D

Injection Date: 15-Sep-2015 13:51:30

Instrument ID: CBNAMS5

Lims ID: 460-100972-A-3-D

Lab Sample ID: 460-100972-3

Client ID: WC-3

Operator ID:

ALS Bottle#: 27

Worklist Smp#: 27

Injection Vol: 1.0 ul

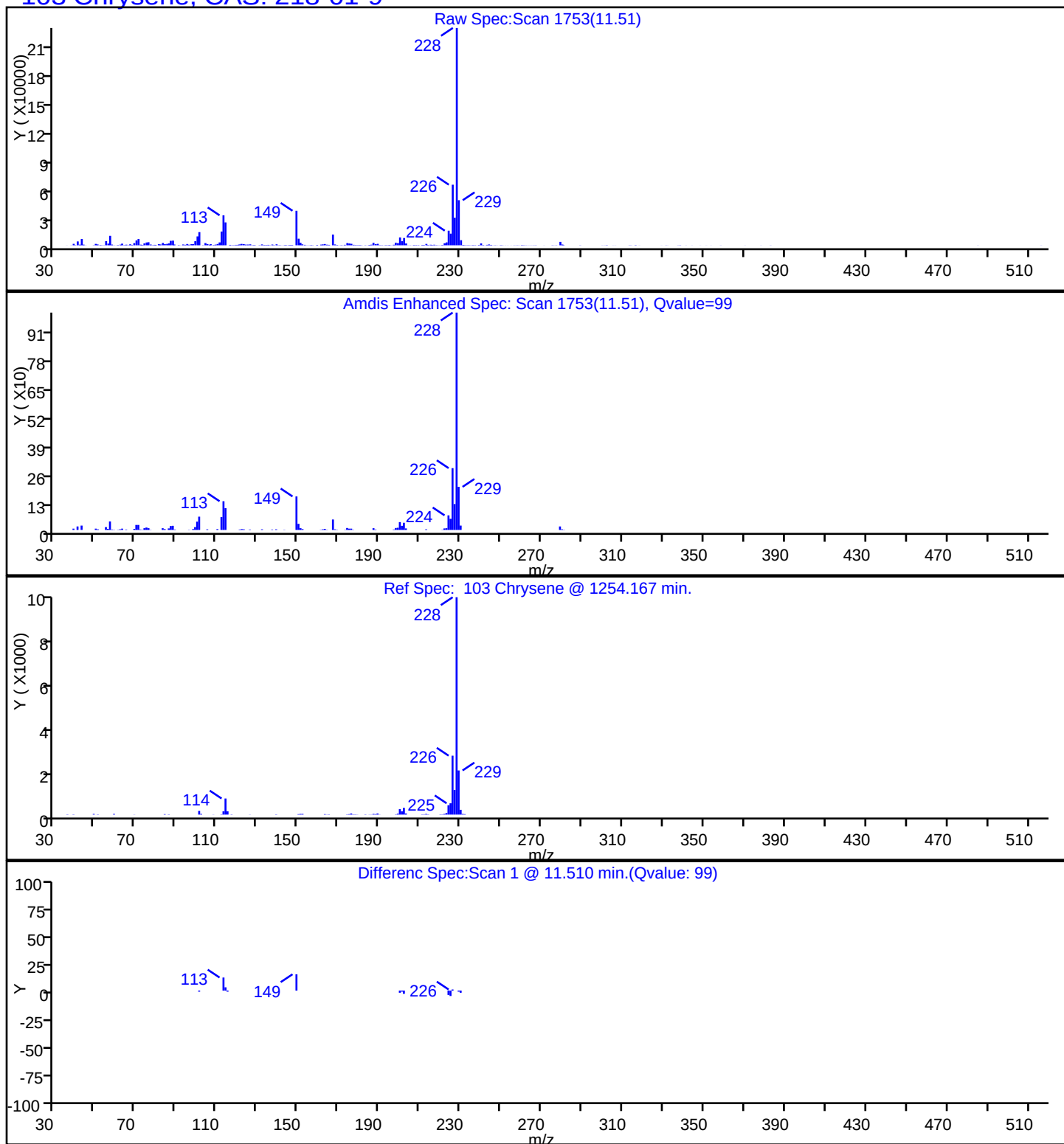
Dil. Factor: 5.0000

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\20150915-31765.b\6427.D

Injection Date: 15-Sep-2015 13:51:30

Instrument ID: CBNAMS5

Lims ID: 460-100972-A-3-D

Lab Sample ID: 460-100972-3

Client ID: WC-3

Operator ID:

ALS Bottle#:

27

Worklist Smp#:

27

Injection Vol: 1.0 ul

Dil. Factor:

5.0000

Method: 8270_5R

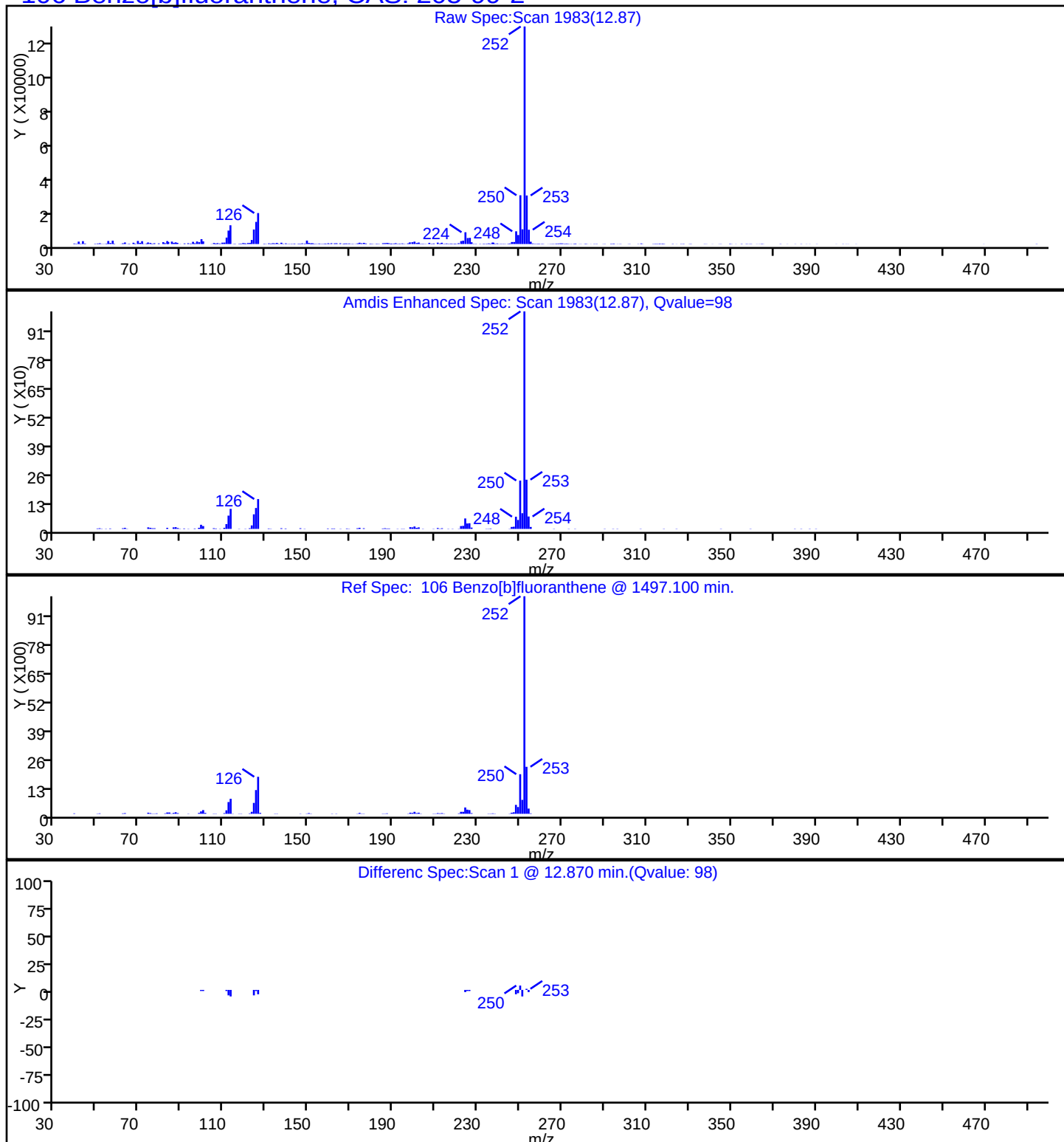
Limit Group:

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\20150915-31765.b\6427.D

Injection Date: 15-Sep-2015 13:51:30

Instrument ID: CBNAMS5

Lims ID: 460-100972-A-3-D

Lab Sample ID: 460-100972-3

Client ID: WC-3

Operator ID:

ALS Bottle#:

27

Worklist Smp#:

27

Injection Vol: 1.0 ul

Dil. Factor:

5.0000

Method: 8270_5R

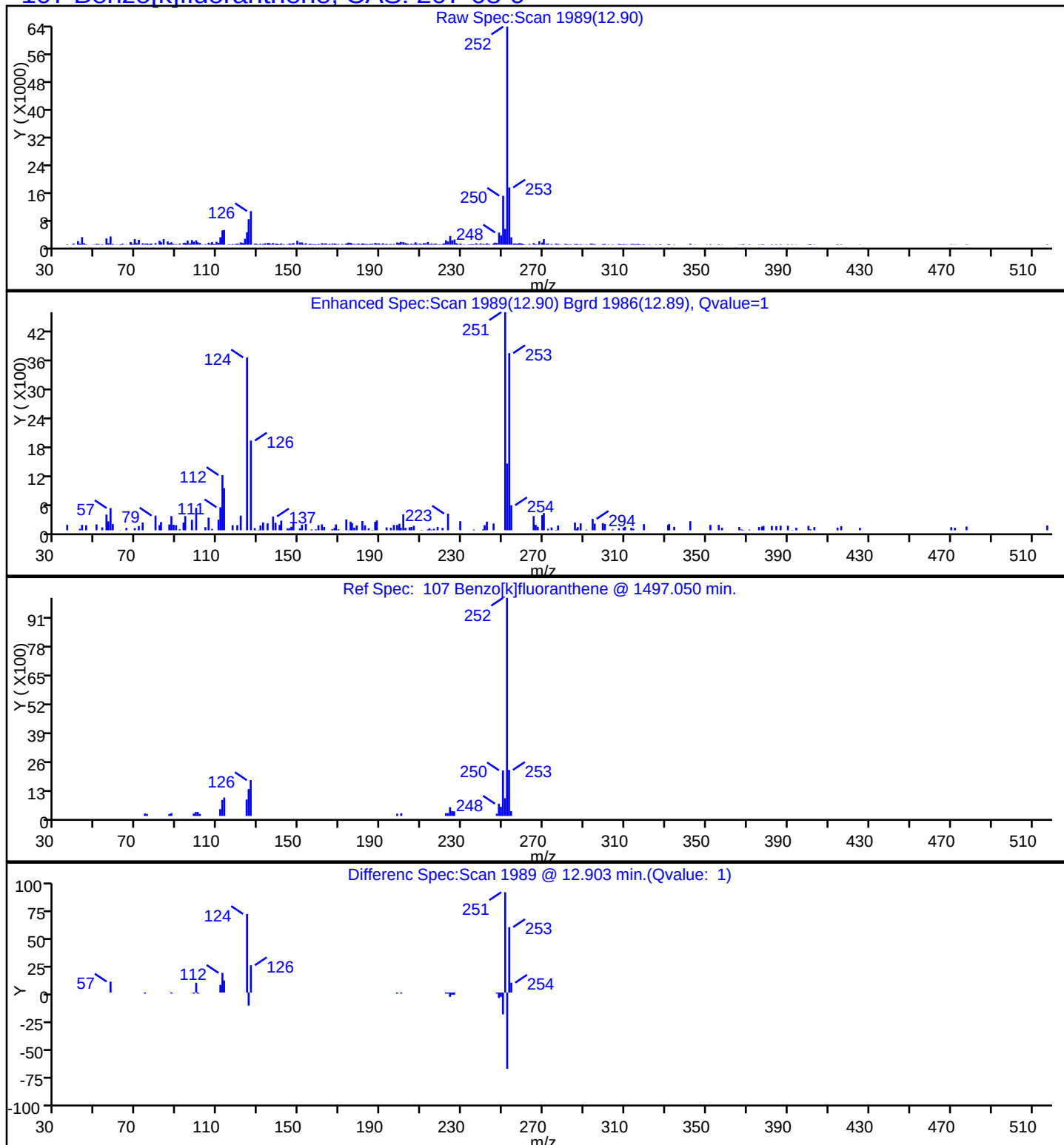
Limit Group:

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\20150915-31765.b\6427.D

Injection Date: 15-Sep-2015 13:51:30

Instrument ID: CBNAMS5

Lims ID: 460-100972-A-3-D

Lab Sample ID: 460-100972-3

Client ID: WC-3

Operator ID:

ALS Bottle#: 27

Worklist Smp#: 27

Injection Vol: 1.0 ul

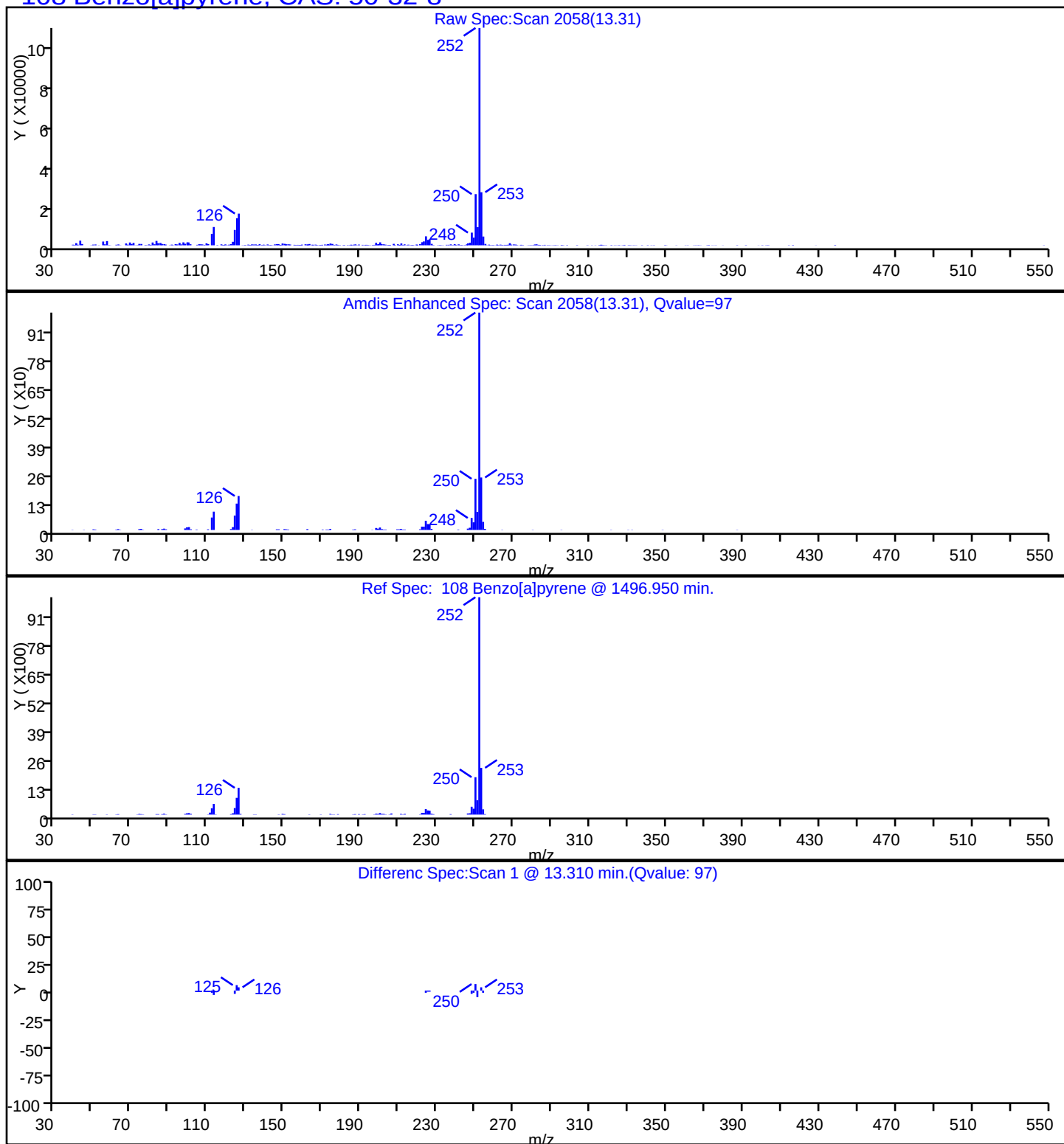
Dil. Factor: 5.0000

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\\20150915-31765.b\\x6427.D

Injection Date: 15-Sep-2015 13:51:30

Instrument ID: CBNAMS5

Lims ID: 460-100972-A-3-D

Lab Sample ID: 460-100972-3

Client ID: WC-3

Operator ID:

ALS Bottle#:

27

Worklist Smp#:

27

Injection Vol: 1.0 ul

Dil. Factor:

5.0000

Method: 8270_5R

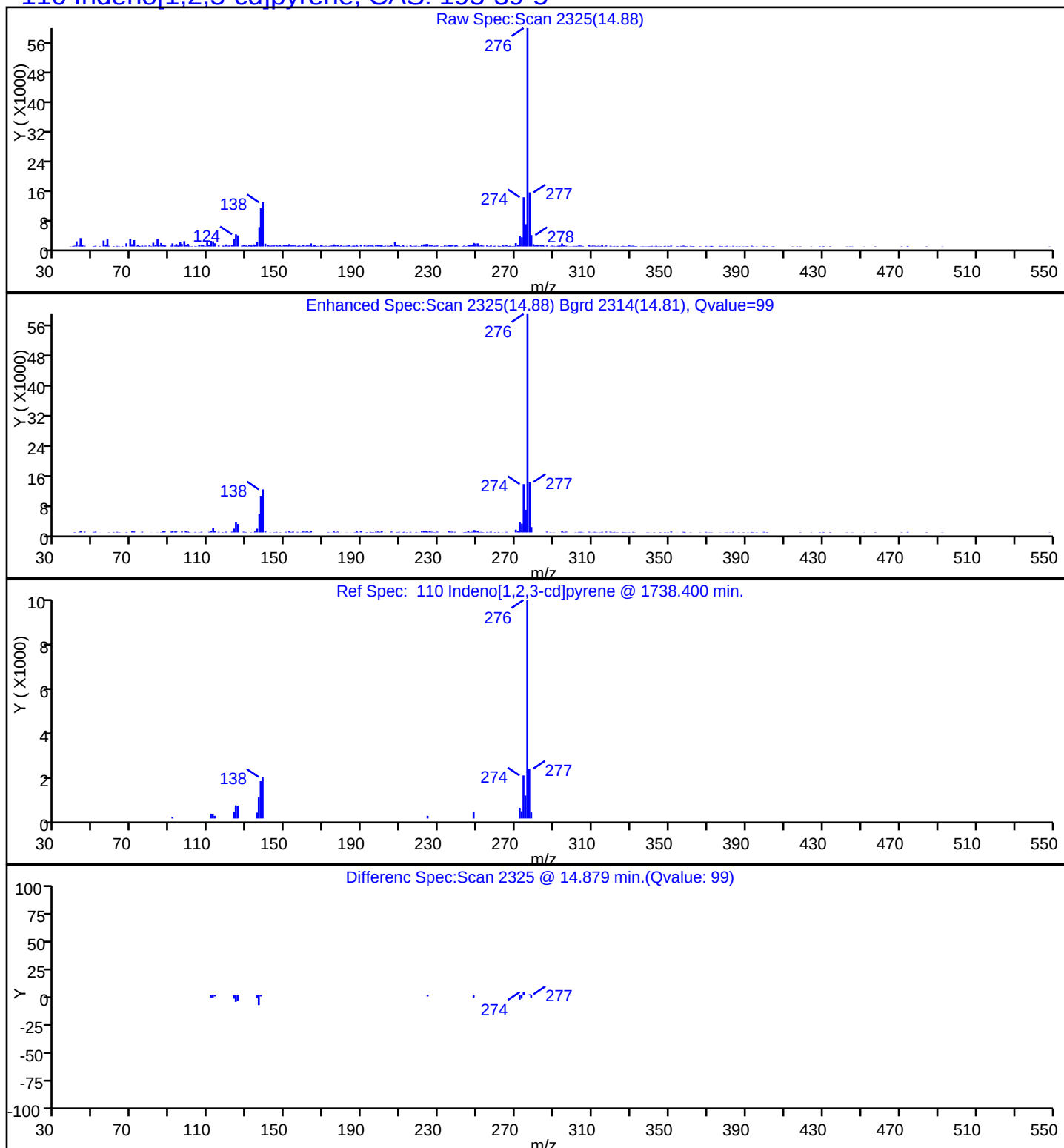
Limit Group:

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\20150915-31765.b\6427.D

Injection Date: 15-Sep-2015 13:51:30

Instrument ID: CBNAMS5

Lims ID: 460-100972-A-3-D

Lab Sample ID: 460-100972-3

Client ID: WC-3

Operator ID:

ALS Bottle#: 27

Worklist Smp#: 27

Injection Vol: 1.0 ul

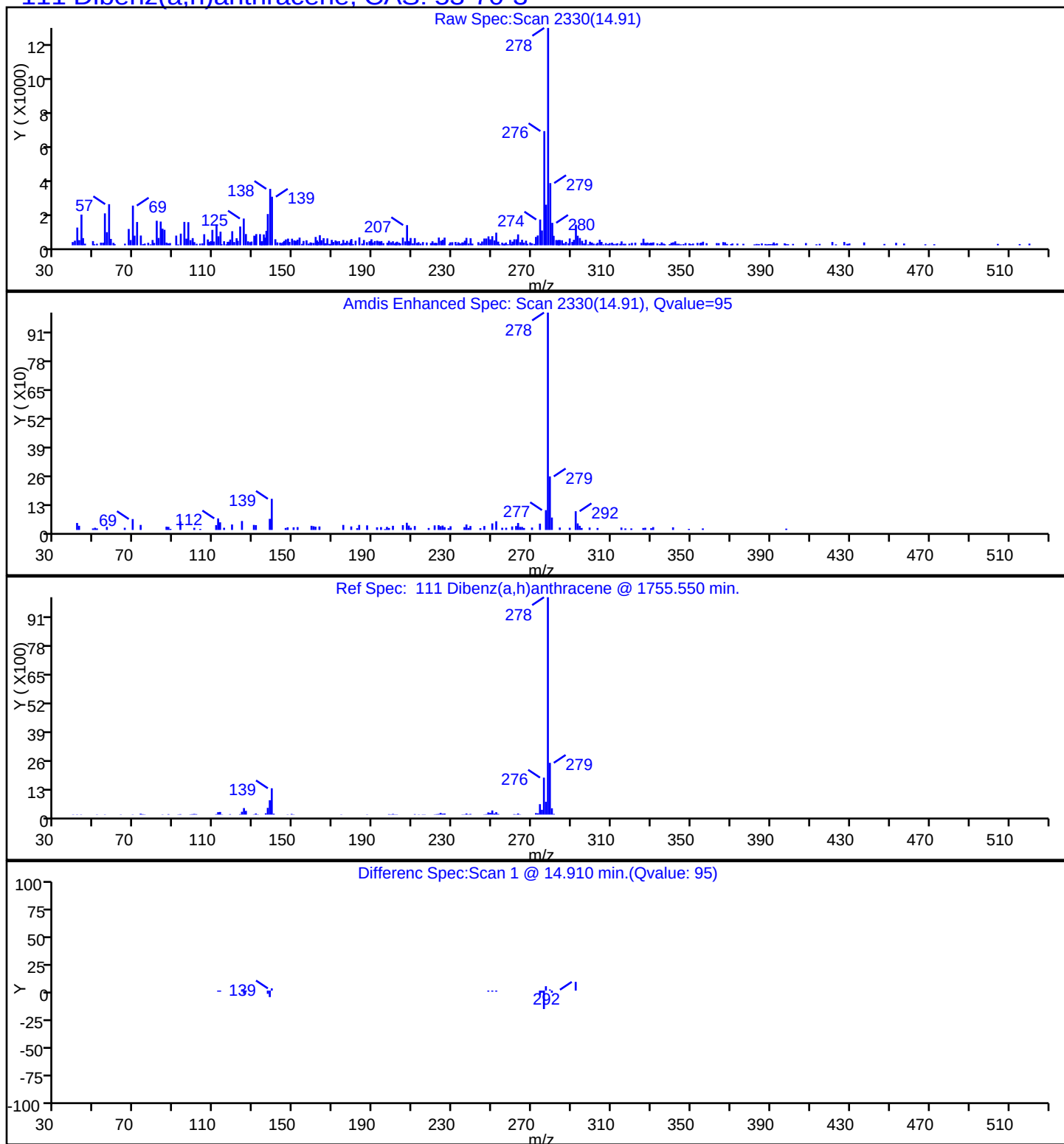
Dil. Factor: 5.0000

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\20150915-31765.b\6427.D

Injection Date: 15-Sep-2015 13:51:30

Instrument ID: CBNAMS5

Lims ID: 460-100972-A-3-D

Lab Sample ID: 460-100972-3

Client ID: WC-3

Operator ID:

ALS Bottle#: 27

Worklist Smp#: 27

Injection Vol: 1.0 ul

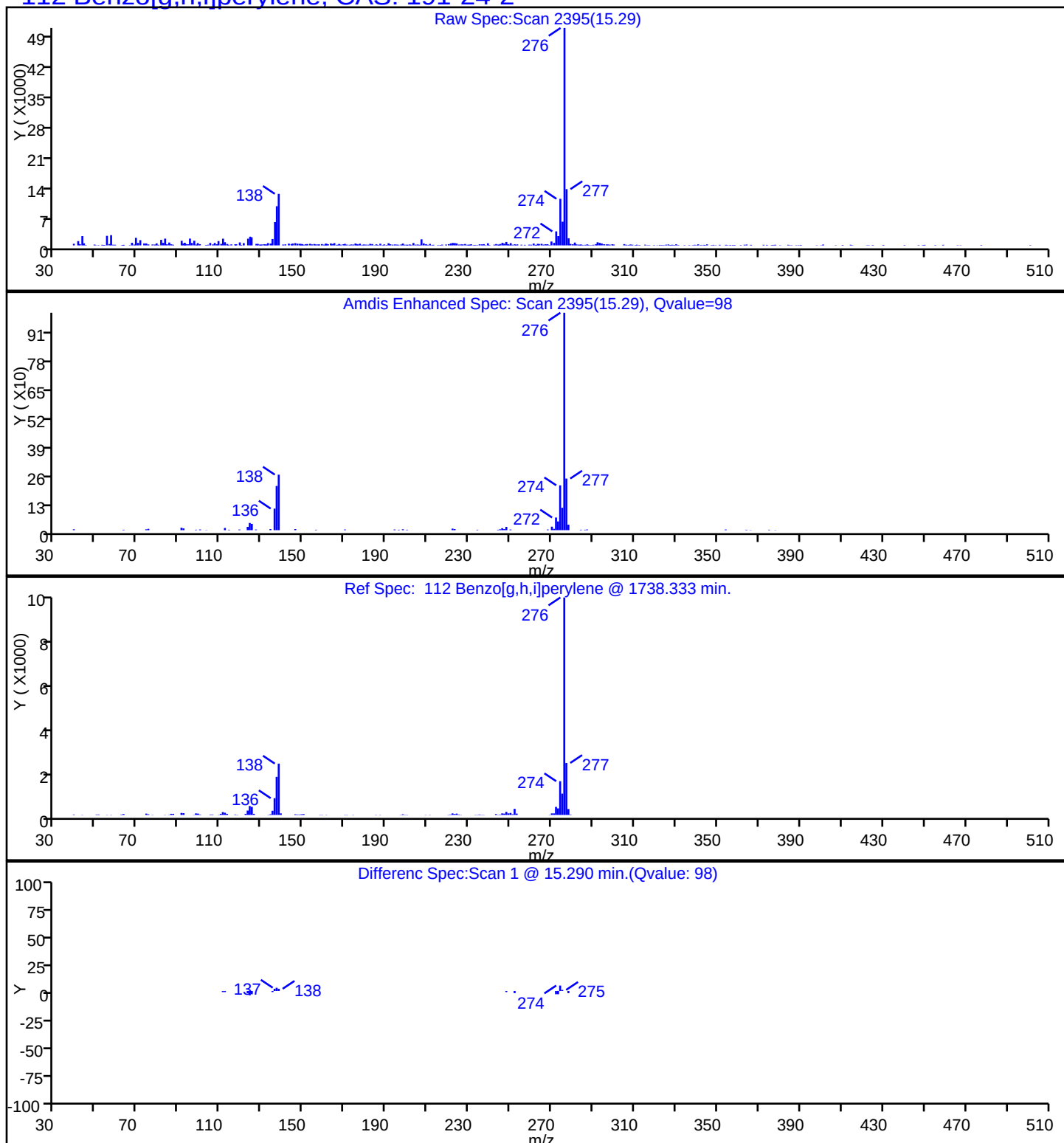
Dil. Factor: 5.0000

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 I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-4</u>	Lab Sample ID: <u>460-100972-4</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z36343.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>09/11/2015 09:01</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>09/14/2015 08:46</u>
Sample wt/vol: <u>15.0384(g)</u>	Date Analyzed: <u>09/15/2015 10:47</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>16.8</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322389</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.034	J	0.40	0.010
91-57-6	2-Methylnaphthalene	0.016	J	0.40	0.0088
208-96-8	Acenaphthylene	0.024	J	0.40	0.010
83-32-9	Acenaphthene	0.075	J	0.40	0.0096
86-73-7	Fluorene	0.050	J	0.40	0.0086
85-01-8	Phenanthrene	0.90		0.40	0.011
120-12-7	Anthracene	0.24	J	0.40	0.038
206-44-0	Fluoranthene	2.1		0.40	0.012
129-00-0	Pyrene	1.1		0.40	0.018
56-55-3	Benzo[a]anthracene	0.94		0.040	0.033
218-01-9	Chrysene	1.1		0.40	0.011
205-99-2	Benzo[b]fluoranthene	1.2		0.040	0.015
207-08-9	Benzo[k]fluoranthene	0.50		0.040	0.017
50-32-8	Benzo[a]pyrene	0.81		0.040	0.012
193-39-5	Indeno[1,2,3-cd]pyrene	0.42		0.040	0.026
53-70-3	Dibenz(a,h)anthracene	0.14		0.040	0.021
191-24-2	Benzo[g,h,i]perylene	0.30	J	0.40	0.023

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	65		30-130
1718-51-0	Terphenyl-d14	54		30-130
321-60-8	2-Fluorobiphenyl	77		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\z36343.D
 Lims ID: 460-100972-A-4-B Lab Sample ID: 460-100972-4
 Client ID: WC-4
 Sample Type: Client
 Inject. Date: 15-Sep-2015 10:47:30 ALS Bottle#: 21 Worklist Smp#: 21
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031763-021
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 15-Sep-2015 17:08:04 Calib Date: 10-Sep-2015 07:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150909-31608.b\z36210.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK048

First Level Reviewer: zhaoc

Date: 15-Sep-2015 11:41:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	4.522	4.528	-0.006	97	313754	40.0	
\$ 26 Nitrobenzene-d5	82	5.075	5.092	-0.017	88	332284	32.3	
* 38 Naphthalene-d8	136	5.804	5.810	-0.006	100	975316	40.0	
39 Naphthalene	128	5.828	5.839	-0.011	96	10905	0.4222	
44 2-Methylnaphthalene	142	6.522	6.534	-0.012	83	3227	0.2001	
\$ 51 2-Fluorobiphenyl	172	6.892	6.898	-0.006	98	545182	38.7	
63 Acenaphthylene	152	7.422	7.433	-0.011	96	5275	0.2955	
* 65 Acenaphthene-d10	164	7.569	7.569	0.000	92	405309	40.0	
67 Acenaphthene	154	7.598	7.610	-0.012	93	11108	0.9359	
74 Fluorene	166	8.110	8.116	-0.006	98	7555	0.6267	
* 87 Phenanthrene-d10	188	9.039	9.039	0.000	99	508061	40.0	
88 Phenanthrene	178	9.063	9.069	-0.006	97	163165	11.2	
89 Anthracene	178	9.110	9.116	-0.006	98	43786	3.05	
92 Fluoranthene	202	10.245	10.245	0.000	98	314154	26.3	
94 Pyrene	202	10.480	10.480	0.000	98	281725	13.9	
\$ 96 Terphenyl-d14	244	10.633	10.633	0.000	99	370385	27.2	
101 Benzo[a]anthracene	228	11.869	11.863	0.006	99	171689	11.8	
* 102 Chrysene-d12	240	11.880	11.869	0.011	99	500854	40.0	
103 Chrysene	228	11.910	11.910	0.000	99	171420	13.3	
106 Benzo[b]fluoranthene	252	13.321	13.315	0.006	99	200329	14.9	
107 Benzo[k]fluoranthene	252	13.357	13.357	0.000	99	88000	6.23	
108 Benzo[a]pyrene	252	13.780	13.774	0.006	97	123413	10.1	
* 109 Perylene-d12	264	13.868	13.851	0.017	98	475604	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.480	15.474	0.006	98	51219	5.29	
111 Dibenzo(a,h)anthracene	278	15.509	15.509	0.000	94	15450	1.79	
112 Benzo[g,h,i]perylene	276	15.939	15.939	0.000	98	42239	3.72	

Reagents:

SM_ISTD_00092 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150915-31763.b\\z36343.D

Injection Date: 15-Sep-2015 10:47:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: 460-100972-A-4-B

Lab Sample ID: 460-100972-4

Worklist Smp#: 21

Client ID: WC-4

Injection Vol: 1.0 ul

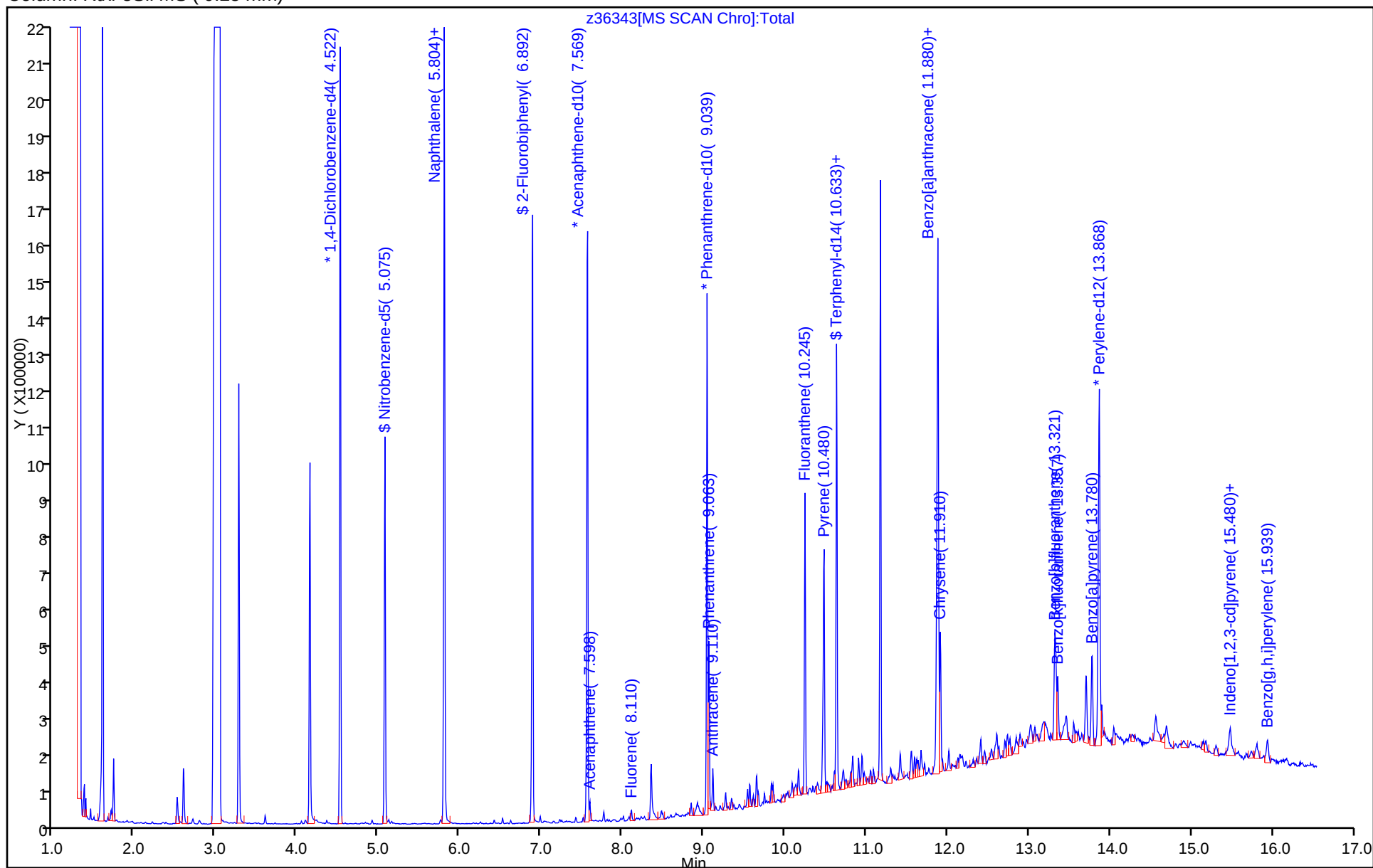
Dil. Factor: 1.0000

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\\20150915-31763.b\\z36343.D

Injection Date: 15-Sep-2015 10:47:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-4-B

Lab Sample ID: 460-100972-4

Client ID: WC-4

Operator ID:

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

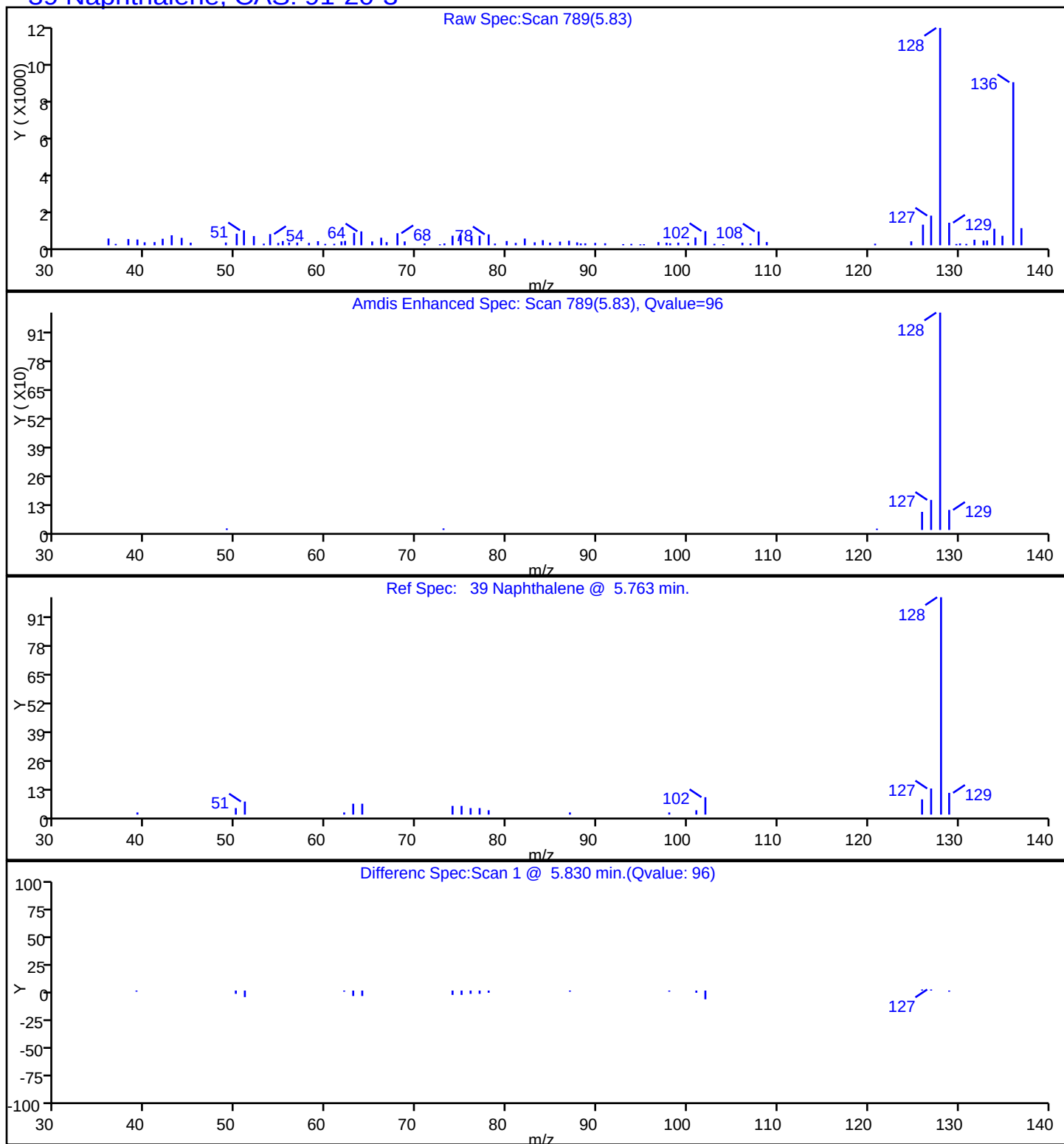
Dil. Factor: 1.0000

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\\20150915-31763.b\\z36343.D

Injection Date: 15-Sep-2015 10:47:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-4-B

Lab Sample ID: 460-100972-4

Client ID: WC-4

Operator ID:

ALS Bottle#:

21

Worklist Smp#:

21

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

Limit Group:

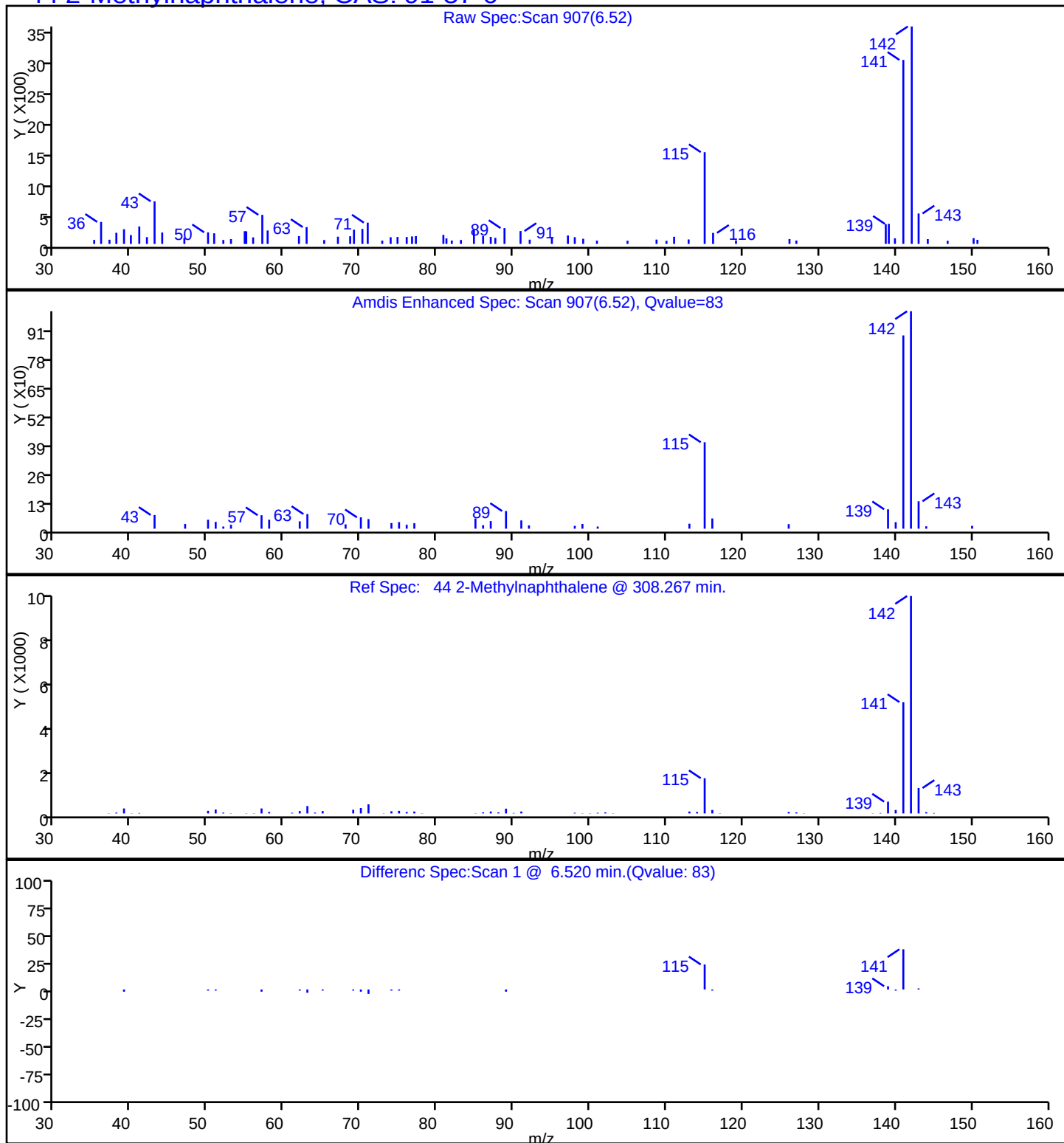
SV 8270D ICAL

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\\20150915-31763.b\\z36343.D

Injection Date: 15-Sep-2015 10:47:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-4-B

Lab Sample ID: 460-100972-4

Client ID: WC-4

Operator ID:

ALS Bottle#: 21 Worklist Smp#: 21

Injection Vol: 1.0 ul

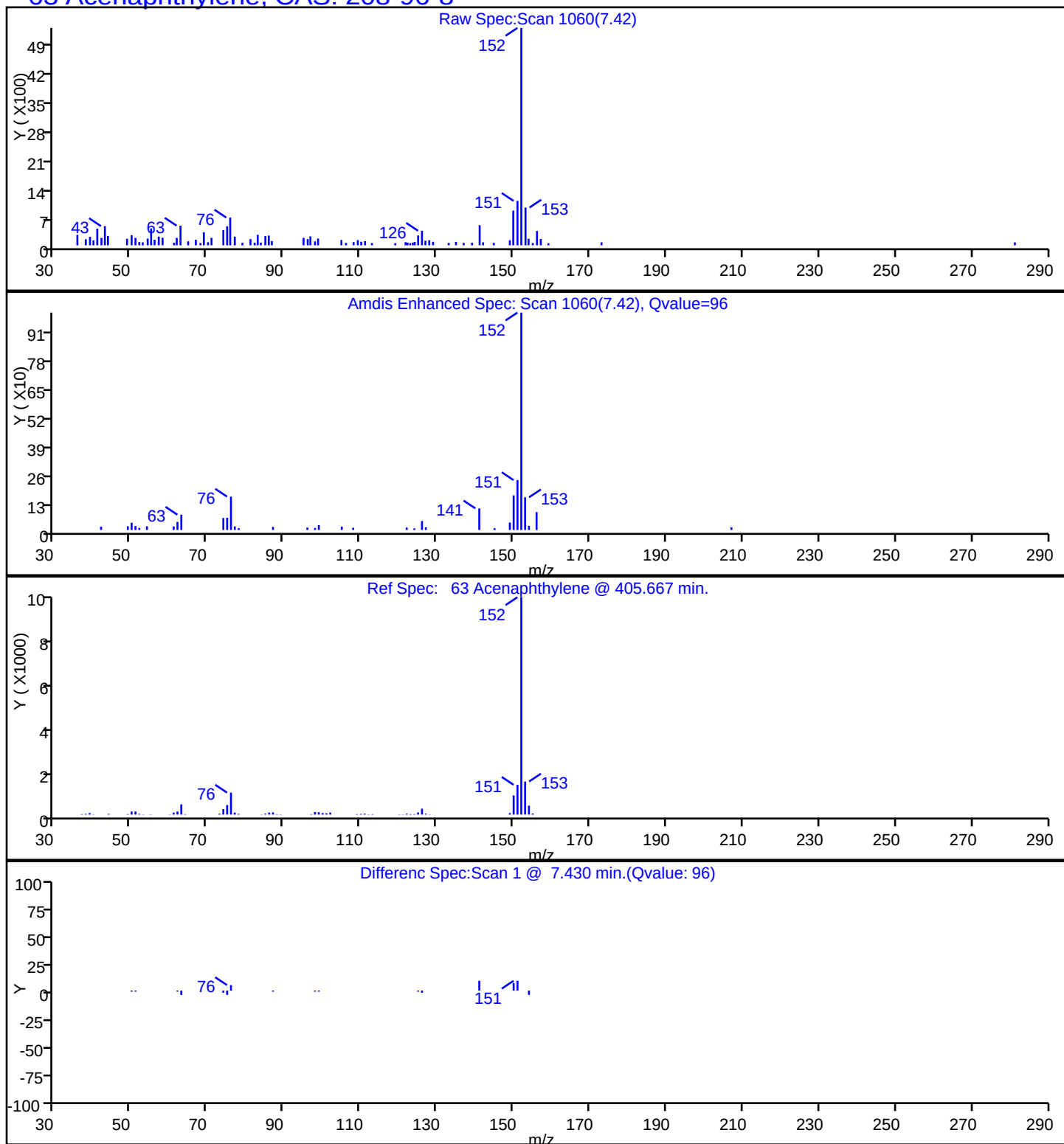
Dil. Factor: 1.0000

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\20150915-31763.b\z36343.D

Injection Date: 15-Sep-2015 10:47:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-4-B

Lab Sample ID: 460-100972-4

Client ID: WC-4

Operator ID:

ALS Bottle#:

21

Worklist Smp#:

21

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

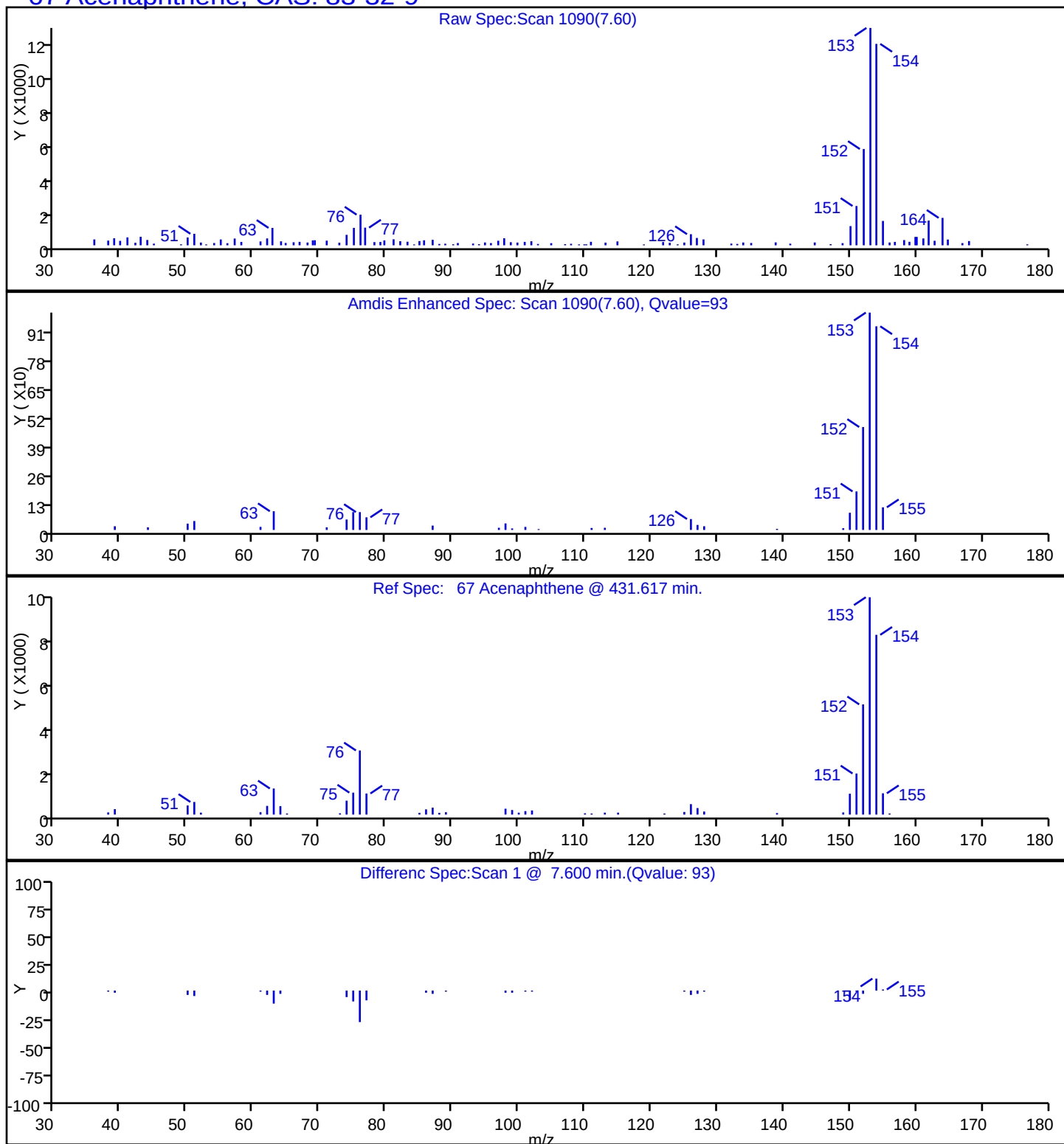
Limit Group:

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\\20150915-31763.b\\z36343.D

Injection Date: 15-Sep-2015 10:47:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-4-B

Lab Sample ID: 460-100972-4

Client ID: WC-4

Operator ID:

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

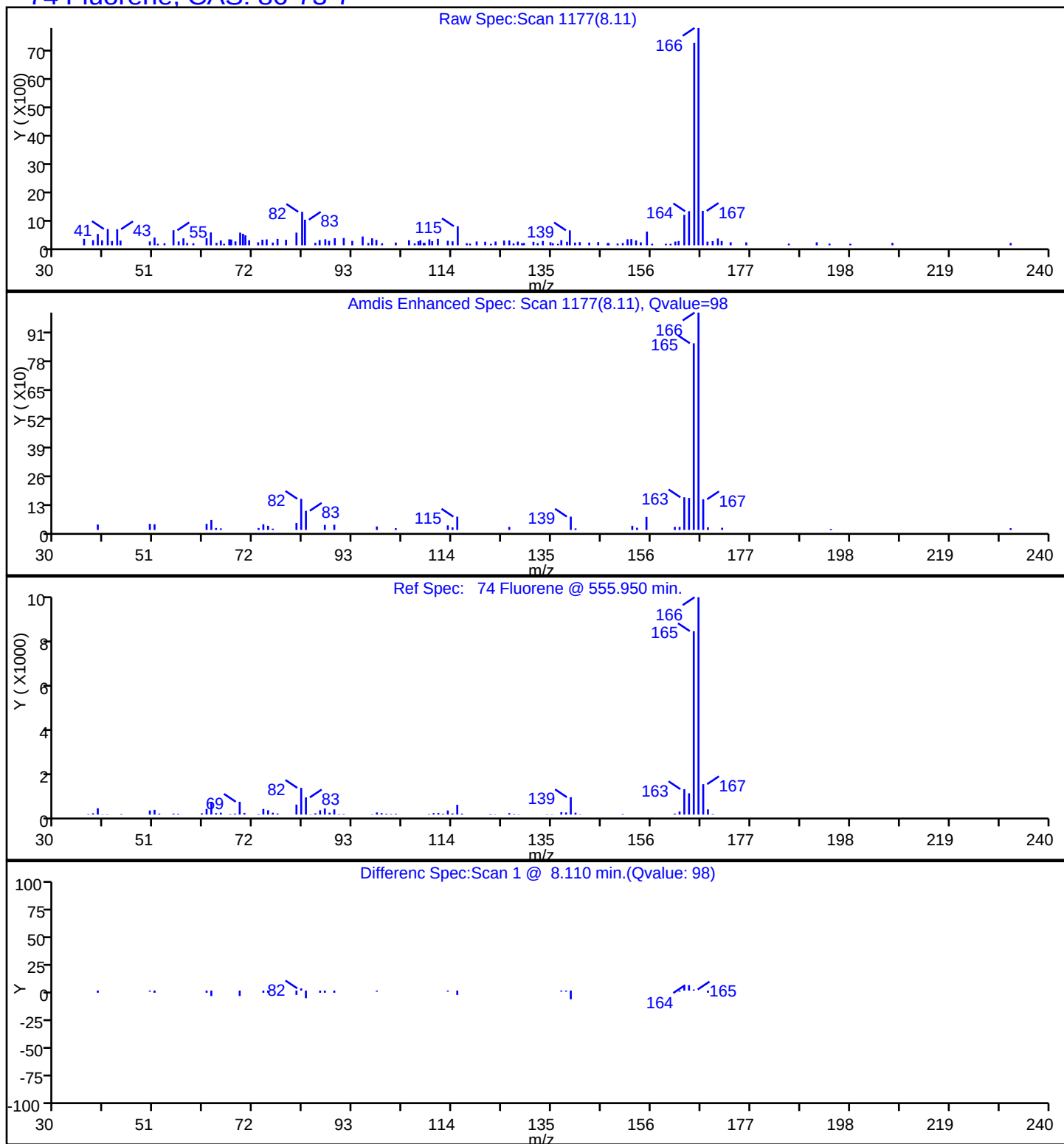
Method: 8270_11R_9

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\\20150915-31763.b\\z36343.D

Injection Date: 15-Sep-2015 10:47:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-4-B

Lab Sample ID: 460-100972-4

Client ID: WC-4

Operator ID:

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

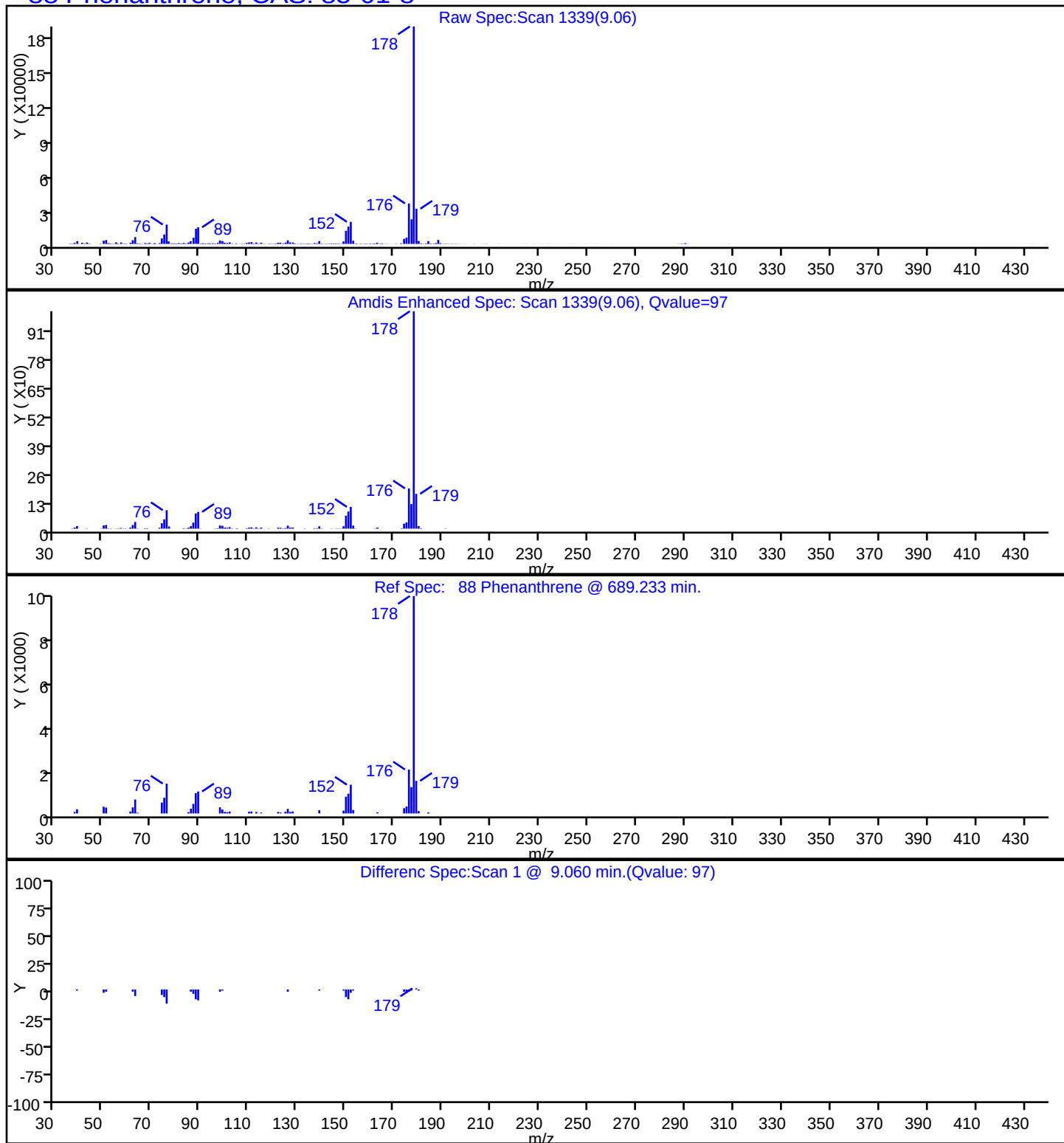
Method: 8270_11R_9

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\\20150915-31763.b\\z36343.D

Injection Date: 15-Sep-2015 10:47:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-4-B

Lab Sample ID: 460-100972-4

Client ID: WC-4

Operator ID:

ALS Bottle#: 21 Worklist Smp#: 21

Injection Vol: 1.0 ul

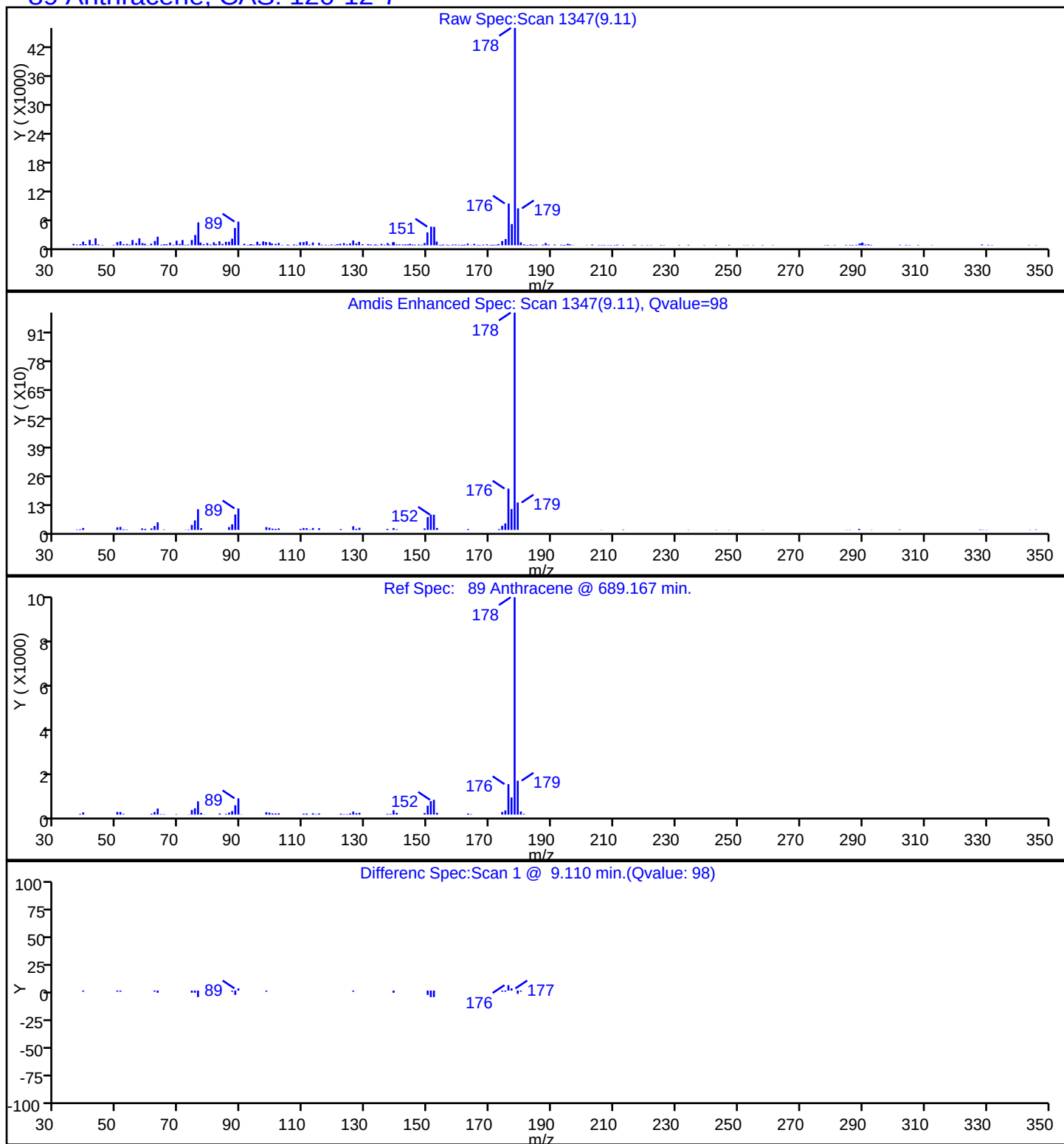
Dil. Factor: 1.0000

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\20150915-31763.b\z36343.D

Injection Date: 15-Sep-2015 10:47:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-4-B

Lab Sample ID: 460-100972-4

Client ID: WC-4

Operator ID:

ALS Bottle#:

21

Worklist Smp#:

21

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

Limit Group:

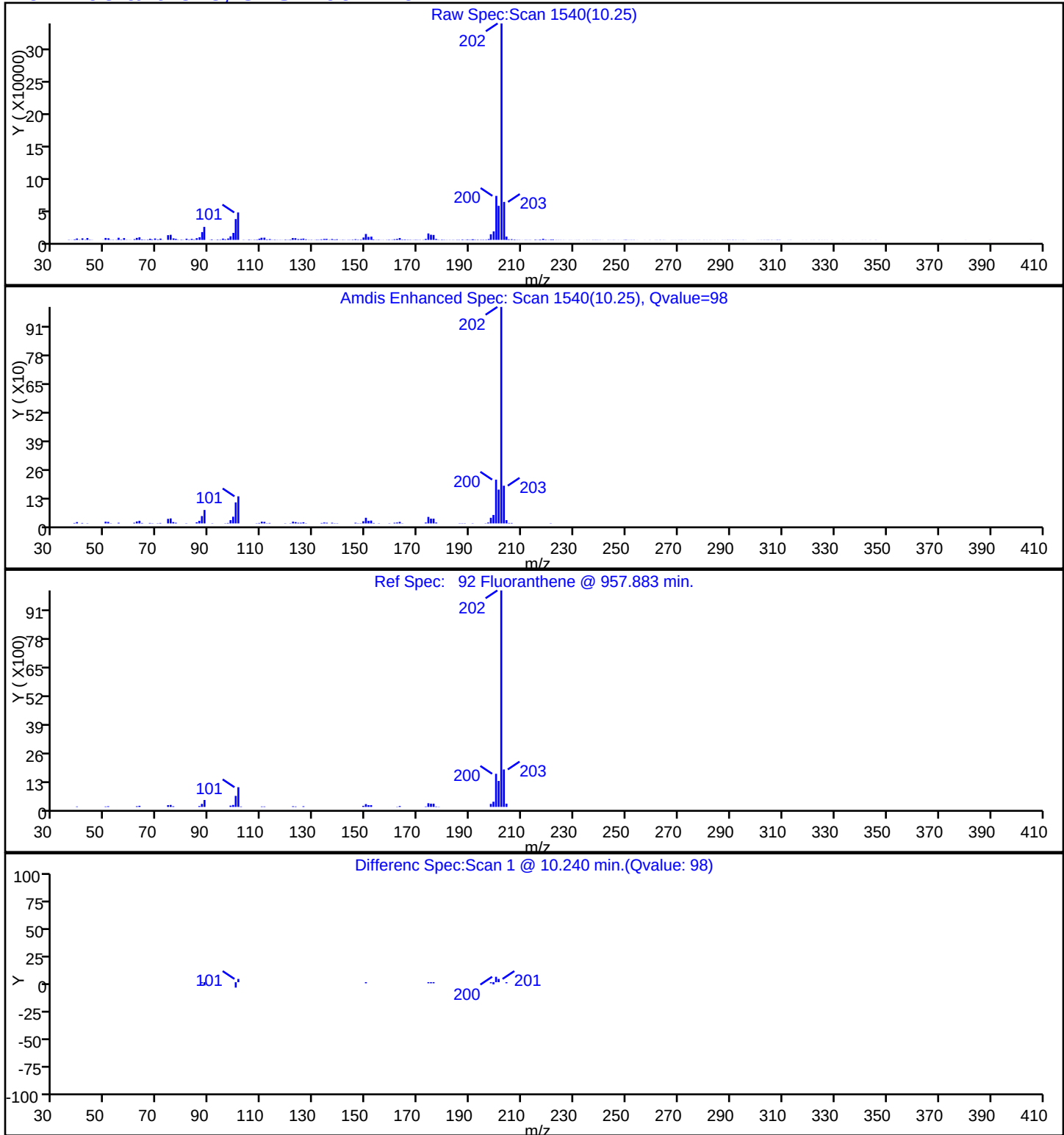
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

92 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\z36343.D

Injection Date: 15-Sep-2015 10:47:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-4-B

Lab Sample ID: 460-100972-4

Client ID: WC-4

Operator ID:

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

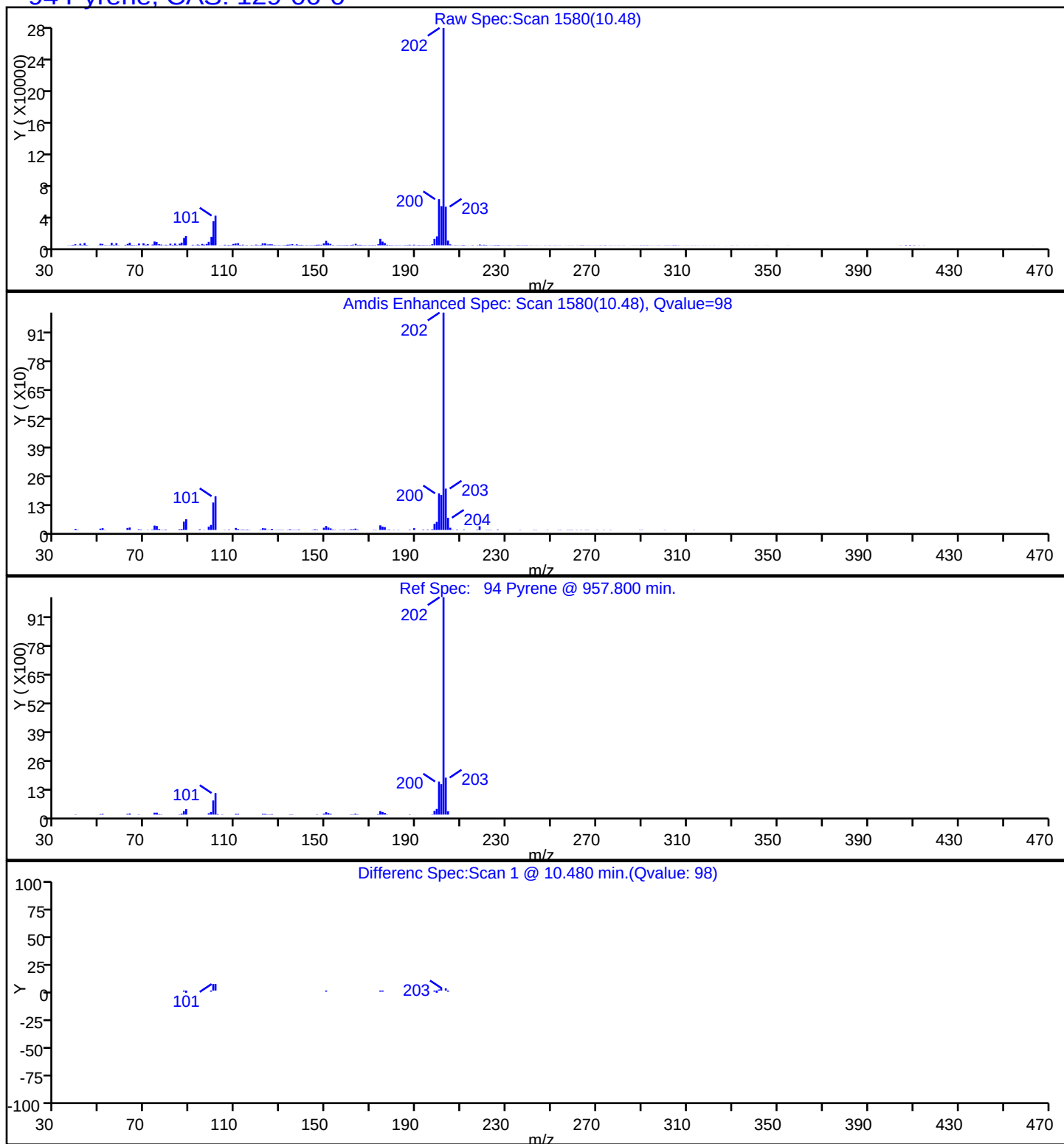
Method: 8270_11R_9

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\20150915-31763.b\z36343.D

Injection Date: 15-Sep-2015 10:47:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-4-B

Lab Sample ID: 460-100972-4

Client ID: WC-4

Operator ID:

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

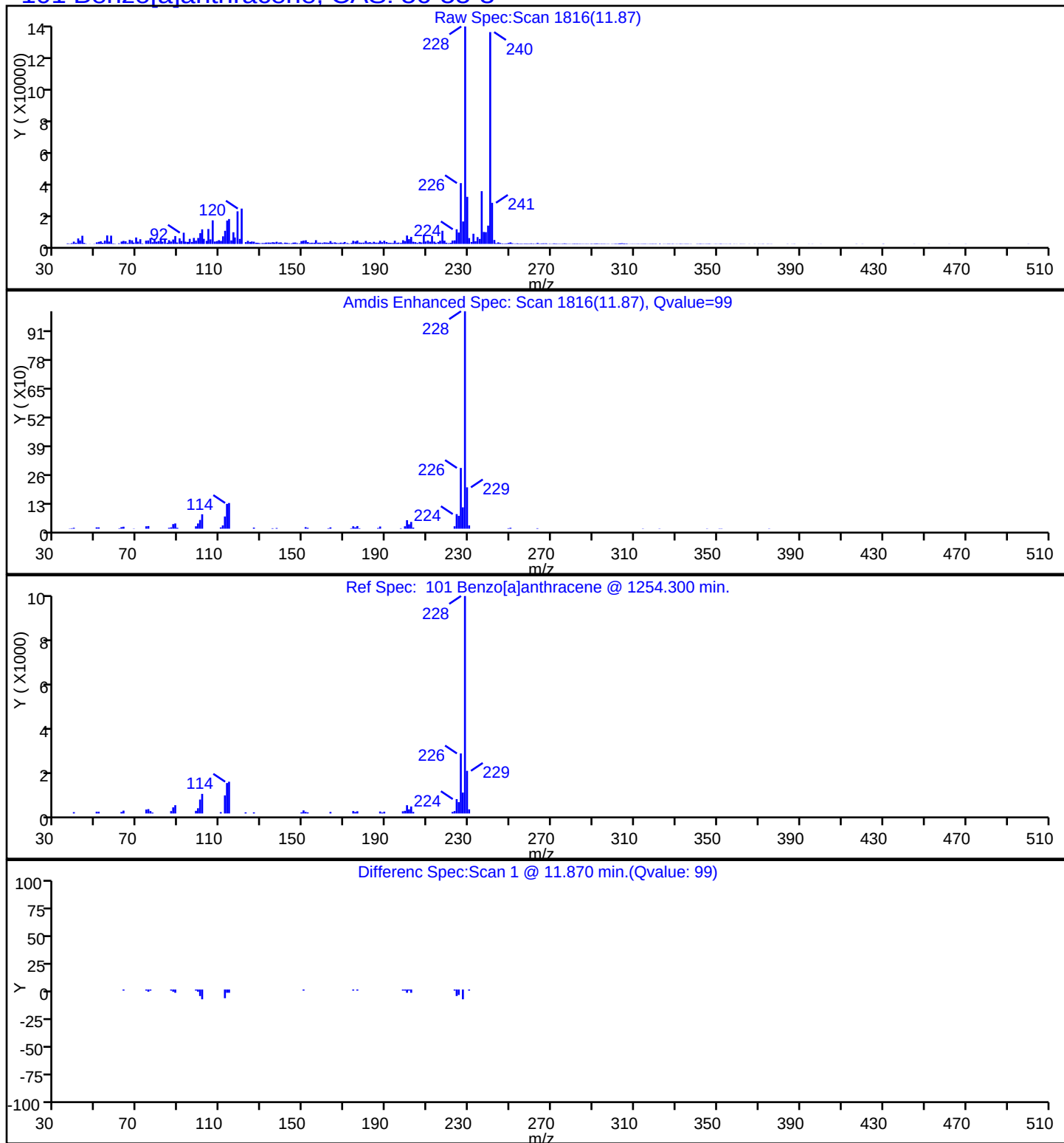
Dil. Factor: 1.0000

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\\20150915-31763.b\\z36343.D

Injection Date: 15-Sep-2015 10:47:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-4-B

Lab Sample ID: 460-100972-4

Client ID: WC-4

Operator ID:

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

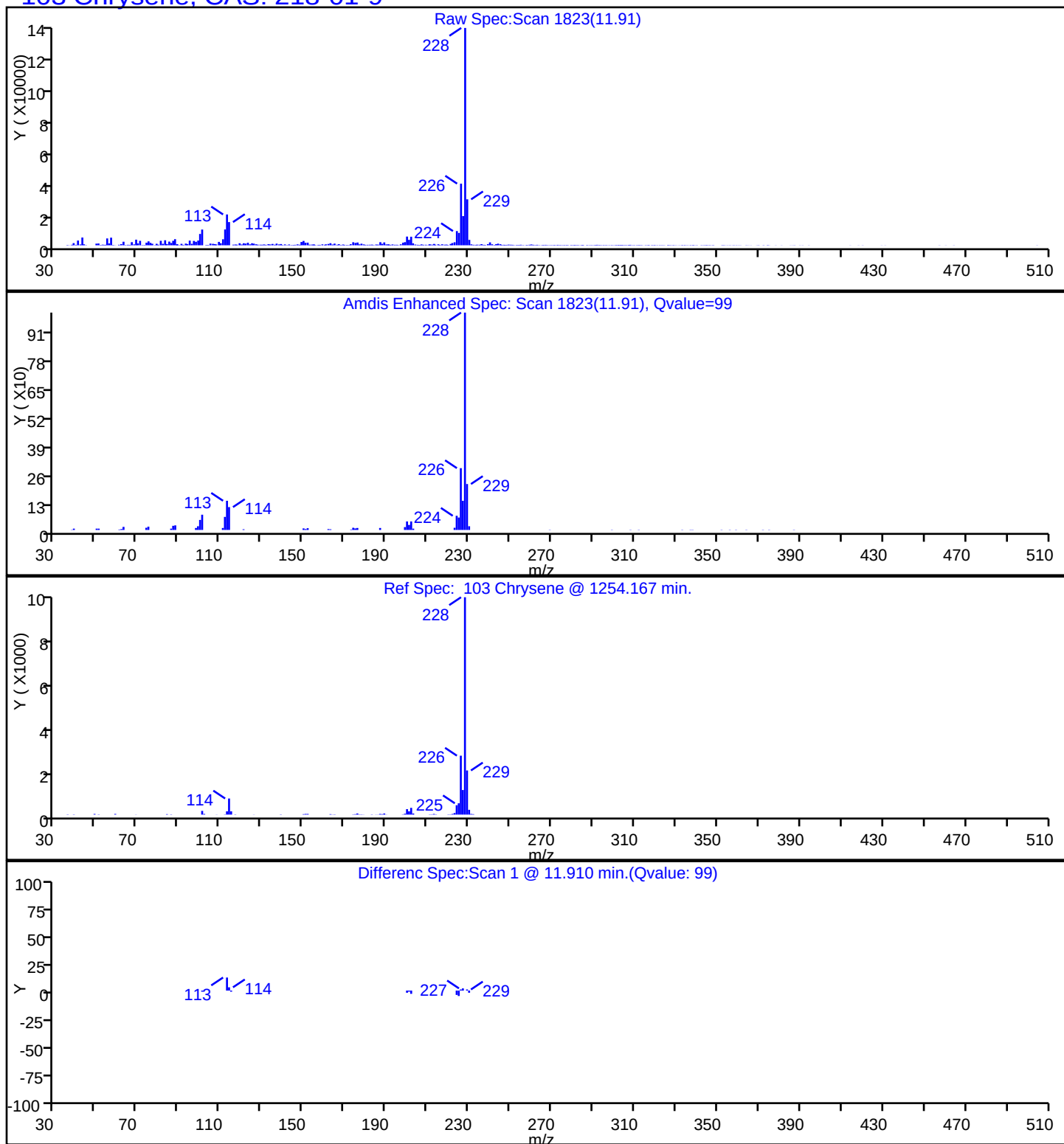
Dil. Factor: 1.0000

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\20150915-31763.b\z36343.D

Injection Date: 15-Sep-2015 10:47:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-4-B

Lab Sample ID: 460-100972-4

Client ID: WC-4

Operator ID:

ALS Bottle#: 21 Worklist Smp#: 21

Injection Vol: 1.0 ul

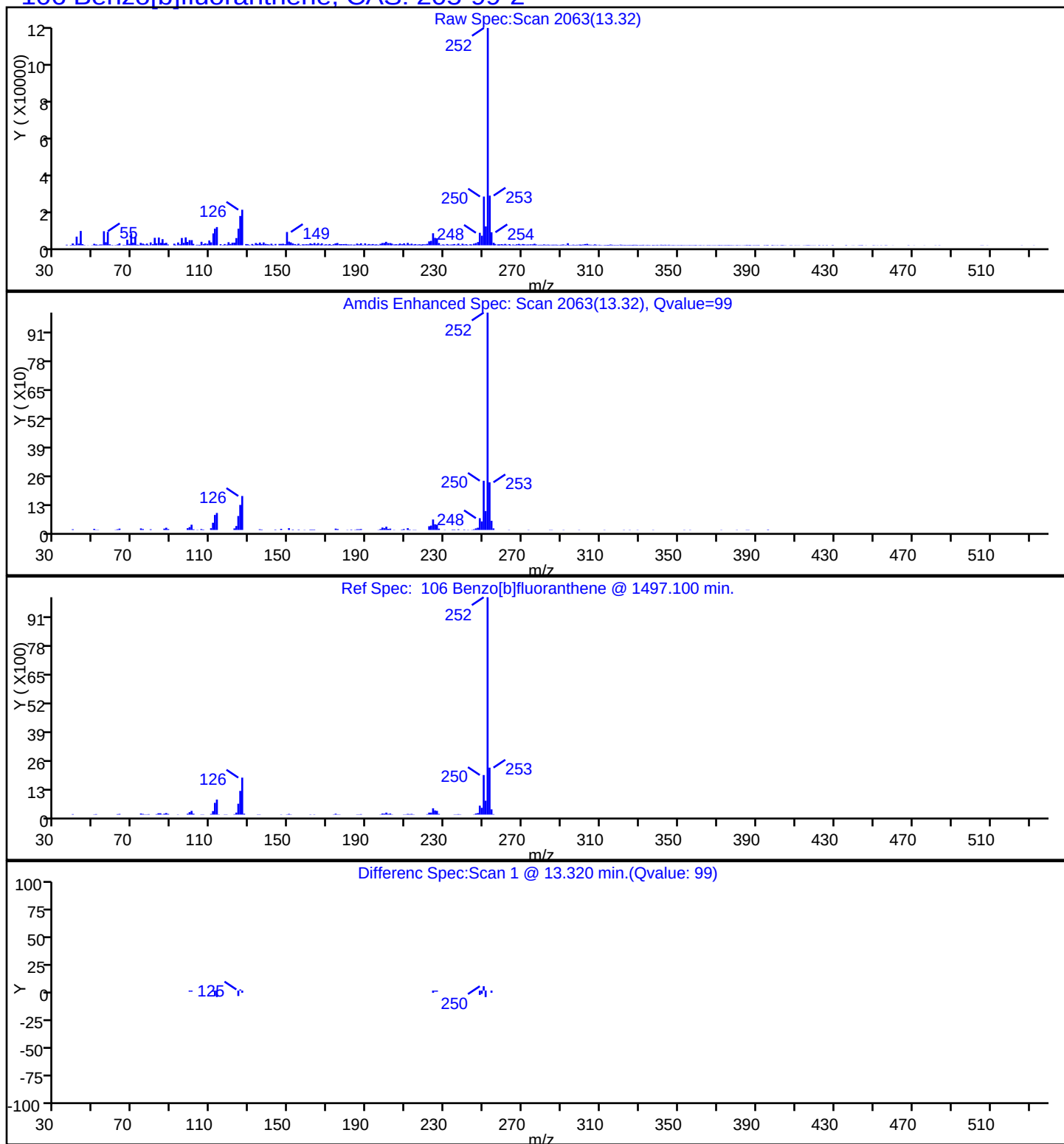
Dil. Factor: 1.0000

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\\20150915-31763.b\\z36343.D

Injection Date: 15-Sep-2015 10:47:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-4-B

Lab Sample ID: 460-100972-4

Client ID: WC-4

Operator ID:

ALS Bottle#: 21 Worklist Smp#: 21

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

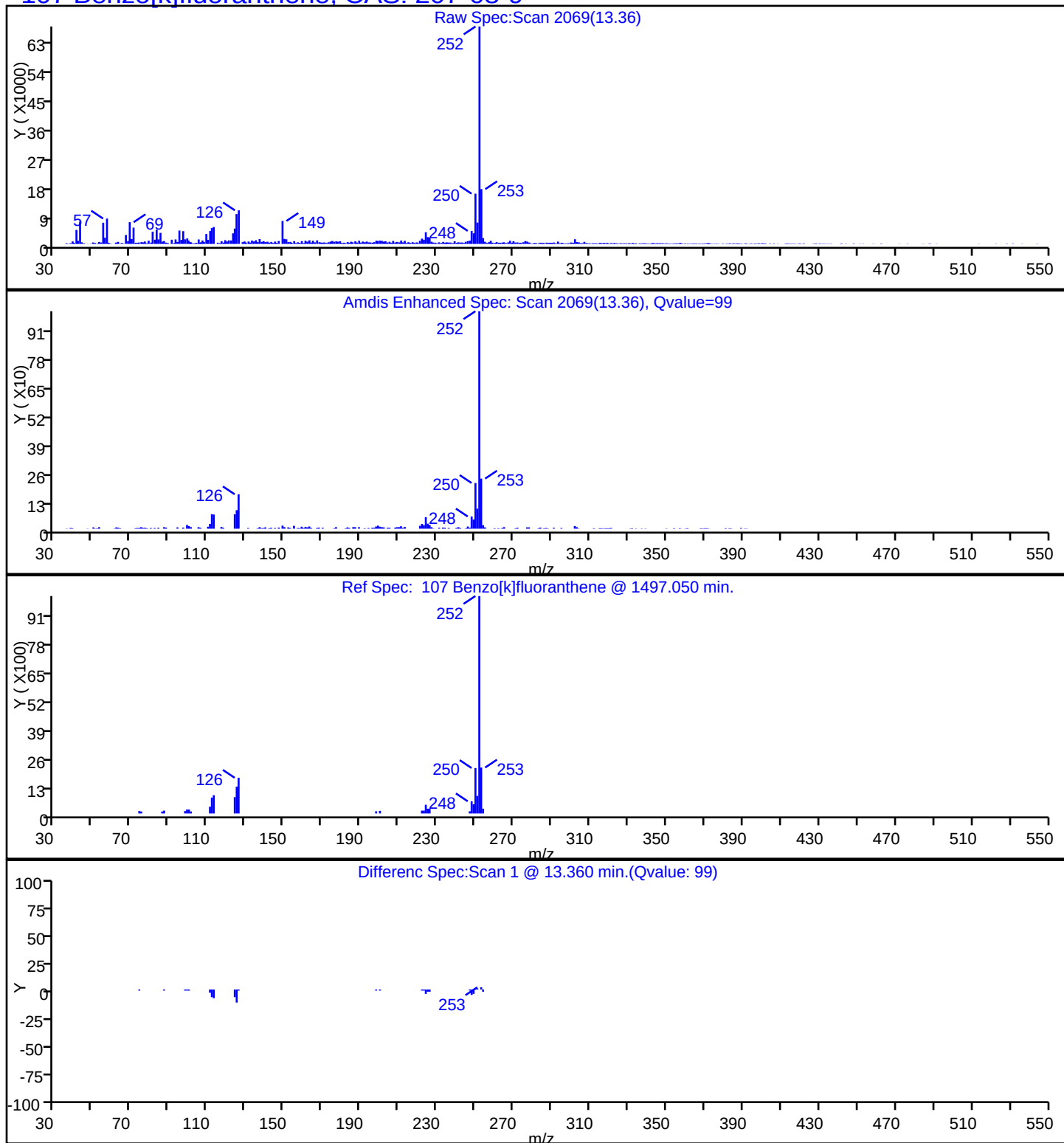
Method: 8270_11R_9

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\\20150915-31763.b\\z36343.D

Injection Date: 15-Sep-2015 10:47:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-4-B

Lab Sample ID: 460-100972-4

Client ID: WC-4

Operator ID:

ALS Bottle#: 21 Worklist Smp#: 21

Injection Vol: 1.0 ul

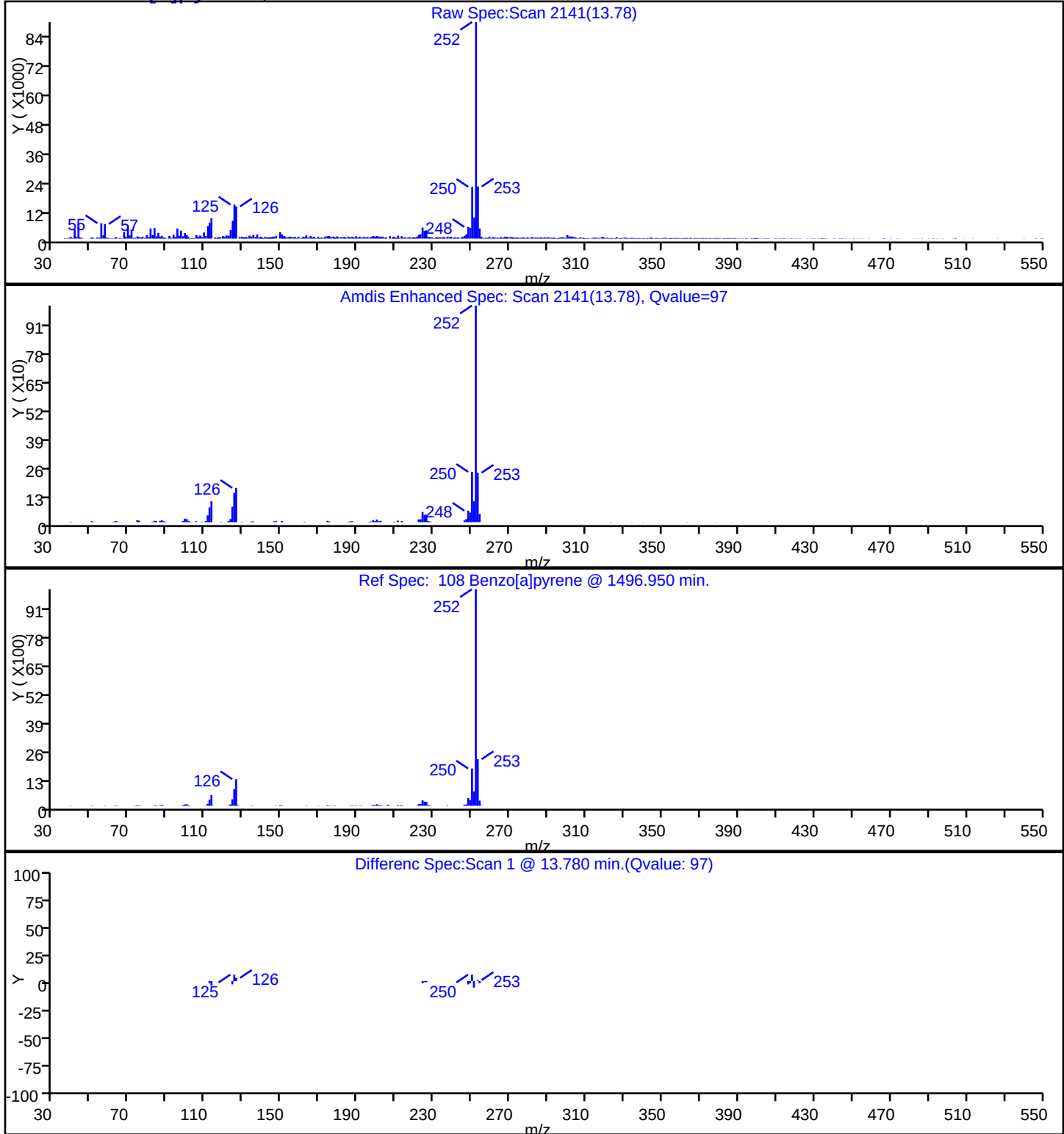
Dil. Factor: 1.0000

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\20150915-31763.b\z36343.D

Injection Date: 15-Sep-2015 10:47:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-4-B

Lab Sample ID: 460-100972-4

Client ID: WC-4

Operator ID:

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

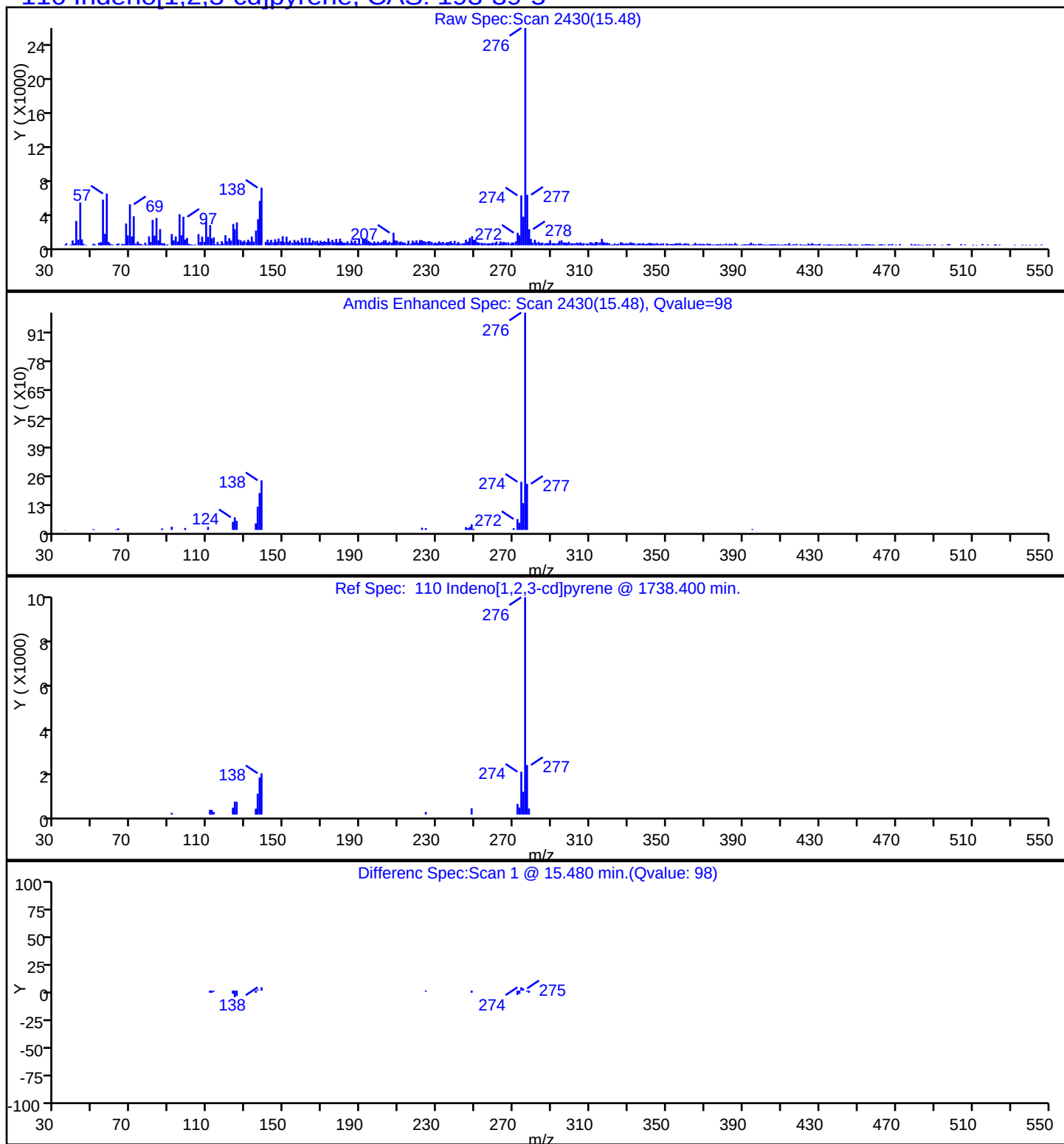
Dil. Factor: 1.0000

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\\20150915-31763.b\\z36343.D

Injection Date: 15-Sep-2015 10:47:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-4-B

Lab Sample ID: 460-100972-4

Client ID: WC-4

Operator ID:

ALS Bottle#:

21

Worklist Smp#:

21

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

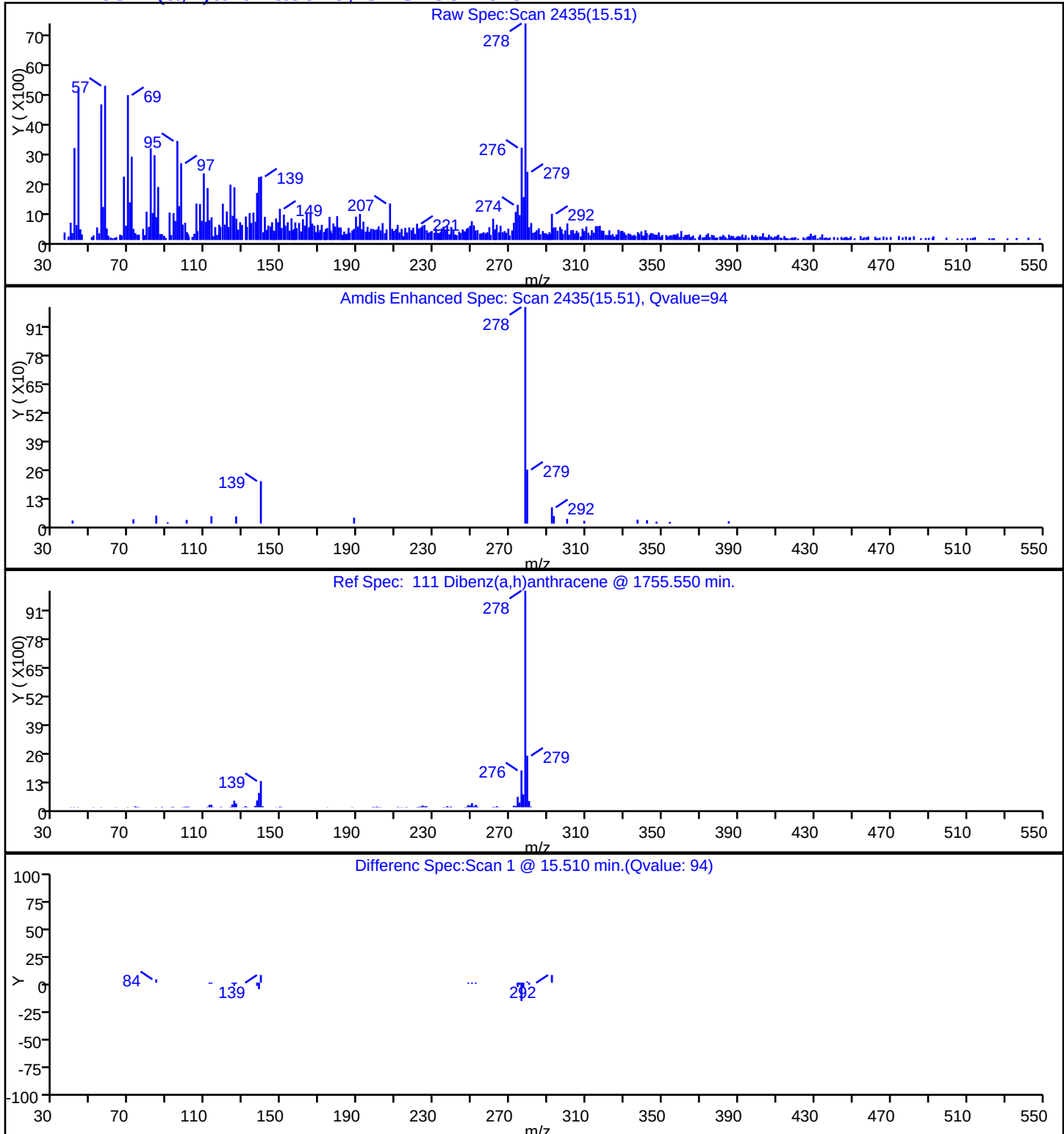
Limit Group:

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\20150915-31763.b\z36343.D

Injection Date: 15-Sep-2015 10:47:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-4-B

Lab Sample ID: 460-100972-4

Client ID: WC-4

Operator ID:

ALS Bottle#: 21 Worklist Smp#: 21

Injection Vol: 1.0 ul

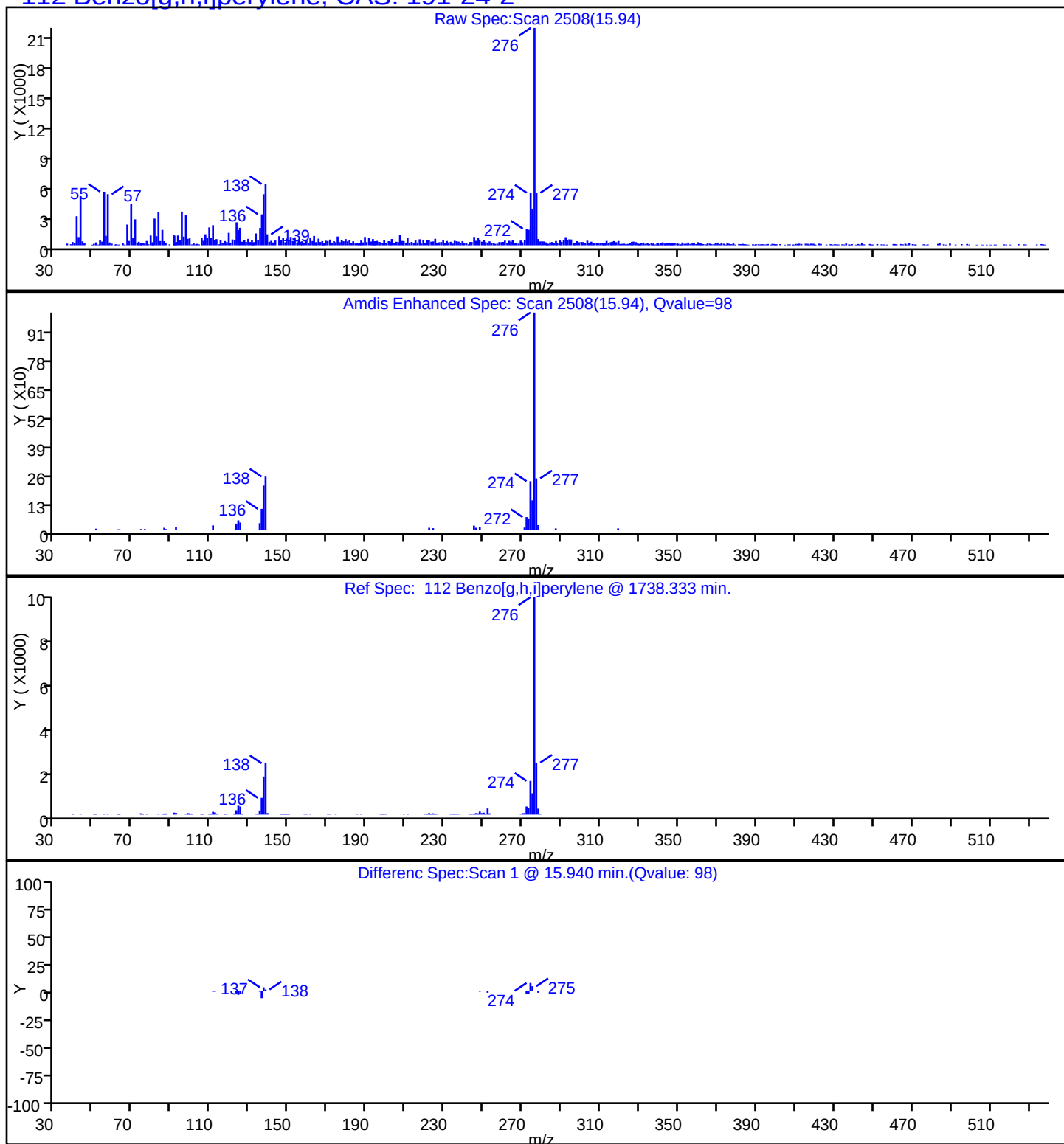
Dil. Factor: 1.0000

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>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-5</u>	Lab Sample ID: <u>460-100972-5</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z36344.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>09/11/2015 09:07</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>09/14/2015 08:46</u>
Sample wt/vol: <u>15.0324(g)</u>	Date Analyzed: <u>09/15/2015 11:10</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>15.9</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322389</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.023	J	0.39	0.010
91-57-6	2-Methylnaphthalene	0.019	J	0.39	0.0087
208-96-8	Acenaphthylene	0.036	J	0.39	0.010
83-32-9	Acenaphthene	0.049	J	0.39	0.0095
86-73-7	Fluorene	0.039	J	0.39	0.0085
85-01-8	Phenanthrene	0.52		0.39	0.010
120-12-7	Anthracene	0.14	J	0.39	0.037
206-44-0	Fluoranthene	1.3		0.39	0.012
129-00-0	Pyrene	0.78		0.39	0.018
56-55-3	Benzo[a]anthracene	0.54		0.039	0.033
218-01-9	Chrysene	0.67		0.39	0.011
205-99-2	Benzo[b]fluoranthene	0.77		0.039	0.015
207-08-9	Benzo[k]fluoranthene	0.25		0.039	0.017
50-32-8	Benzo[a]pyrene	0.54		0.039	0.012
193-39-5	Indeno[1,2,3-cd]pyrene	0.27		0.039	0.026
53-70-3	Dibenz(a,h)anthracene	0.10		0.039	0.020
191-24-2	Benzo[g,h,i]perylene	0.21	J	0.39	0.023

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	57		30-130
1718-51-0	Terphenyl-d14	48		30-130
321-60-8	2-Fluorobiphenyl	70		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\z36344.D
 Lims ID: 460-100972-A-5-B Lab Sample ID: 460-100972-5
 Client ID: WC-5
 Sample Type: Client
 Inject. Date: 15-Sep-2015 11:10:30 ALS Bottle#: 22 Worklist Smp#: 22
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031763-022
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 15-Sep-2015 17:08:04 Calib Date: 10-Sep-2015 07:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150909-31608.b\z36210.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK048

First Level Reviewer: zhaoc

Date: 15-Sep-2015 11:58:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	4.540	4.528	0.012	97	287865	40.0	
\$ 26 Nitrobenzene-d5	82	5.081	5.092	-0.011	88	278313	28.3	
* 38 Naphthalene-d8	136	5.810	5.810	0.000	100	932101	40.0	
39 Naphthalene	128	5.828	5.839	-0.011	98	7172	0.2905	
44 2-Methylnaphthalene	142	6.522	6.534	-0.012	87	3691	0.2395	
\$ 51 2-Fluorobiphenyl	172	6.892	6.898	-0.006	98	475330	35.0	
63 Acenaphthylene	152	7.428	7.433	-0.005	97	7832	0.4553	
* 65 Acenaphthene-d10	164	7.569	7.569	0.000	92	390530	40.0	
67 Acenaphthene	154	7.598	7.610	-0.012	95	7132	0.6236	
74 Fluorene	166	8.110	8.116	-0.006	97	5695	0.4903	
* 87 Phenanthrene-d10	188	9.039	9.039	0.000	99	490567	40.0	
88 Phenanthrene	178	9.063	9.069	-0.006	98	92252	6.57	
89 Anthracene	178	9.110	9.116	-0.006	98	25222	1.82	
92 Fluoranthene	202	10.245	10.245	0.000	98	187462	16.2	
94 Pyrene	202	10.480	10.480	0.000	97	196573	9.85	
\$ 96 Terphenyl-d14	244	10.633	10.633	0.000	99	320806	23.9	
101 Benzo[a]anthracene	228	11.868	11.863	0.005	99	98362	6.83	
* 102 Chrysene-d12	240	11.880	11.869	0.011	99	493356	40.0	
103 Chrysene	228	11.910	11.910	0.000	99	106791	8.43	
106 Benzo[b]fluoranthene	252	13.321	13.315	0.006	99	119663	9.70	
107 Benzo[k]fluoranthene	252	13.357	13.357	0.000	61	40862	3.16	
108 Benzo[a]pyrene	252	13.780	13.774	0.006	96	76372	6.84	
* 109 Perylene-d12	264	13.868	13.851	0.017	99	435895	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.486	15.474	0.012	98	28828	3.36	
111 Dibenzo(a,h)anthracene	278	15.521	15.509	0.012	92	9113	1.28	
112 Benzo[g,h,i]perylene	276	15.945	15.939	0.006	97	27712	2.66	

Reagents:

SM_ISTD_00092 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150915-31763.b\\z36344.D

Injection Date: 15-Sep-2015 11:10:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: 460-100972-A-5-B

Lab Sample ID: 460-100972-5

Worklist Smp#: 22

Client ID: WC-5

Injection Vol: 1.0 ul

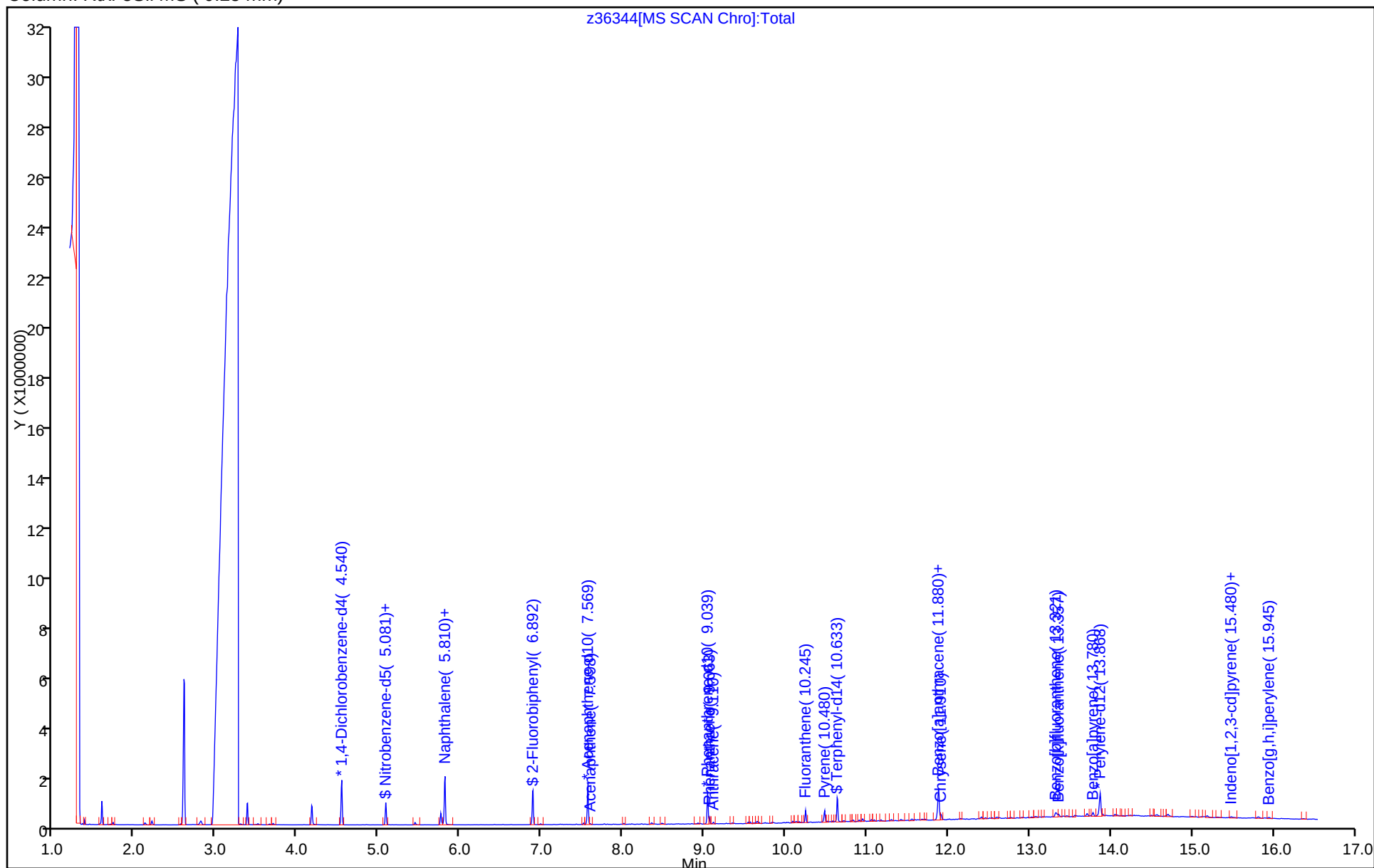
Dil. Factor: 1.0000

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\\20150915-31763.b\\z36344.D

Injection Date: 15-Sep-2015 11:10:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-5-B

Lab Sample ID: 460-100972-5

Client ID: WC-5

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

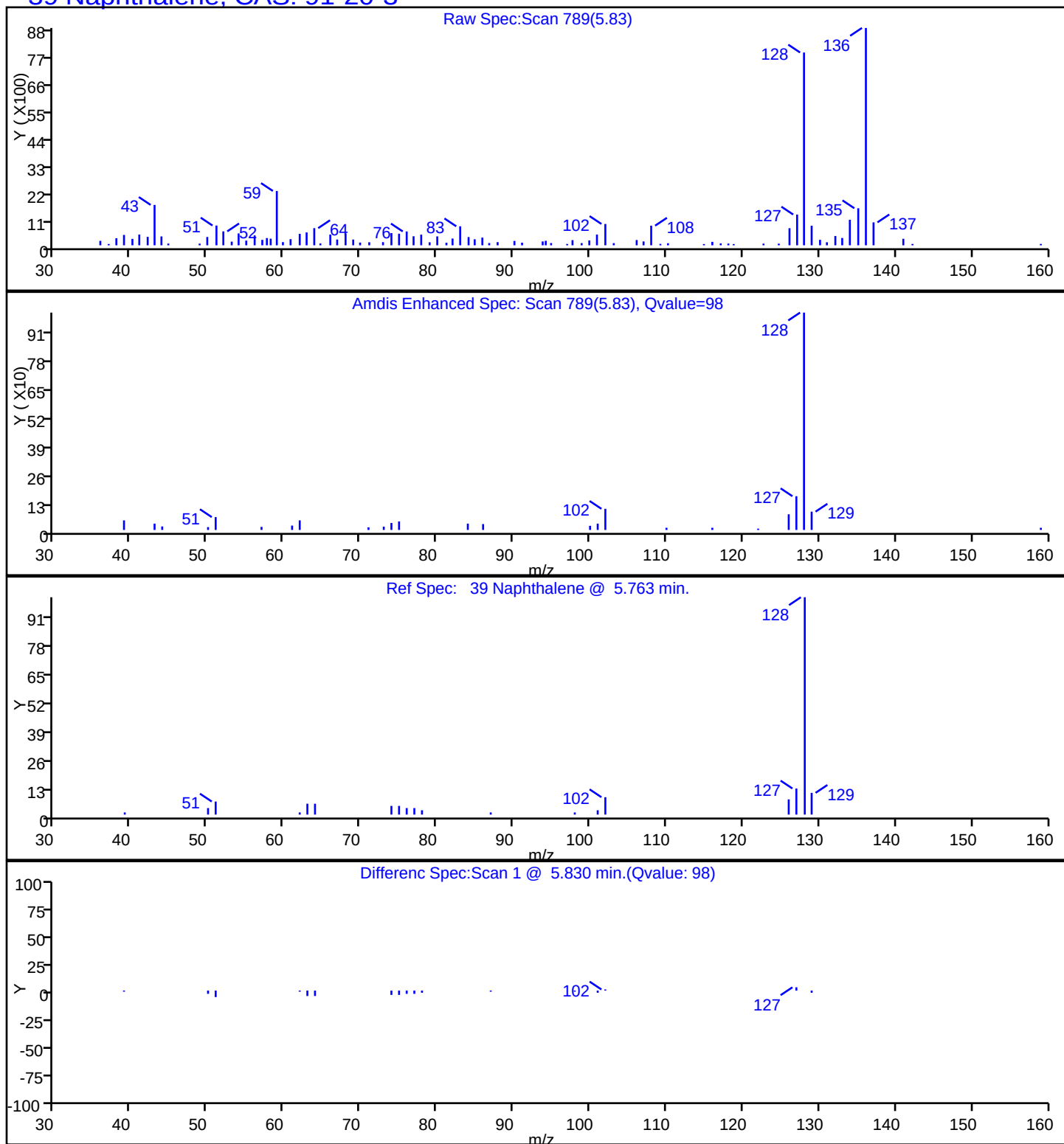
Dil. Factor: 1.0000

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\\20150915-31763.b\\z36344.D

Injection Date: 15-Sep-2015 11:10:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-5-B

Lab Sample ID: 460-100972-5

Client ID: WC-5

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

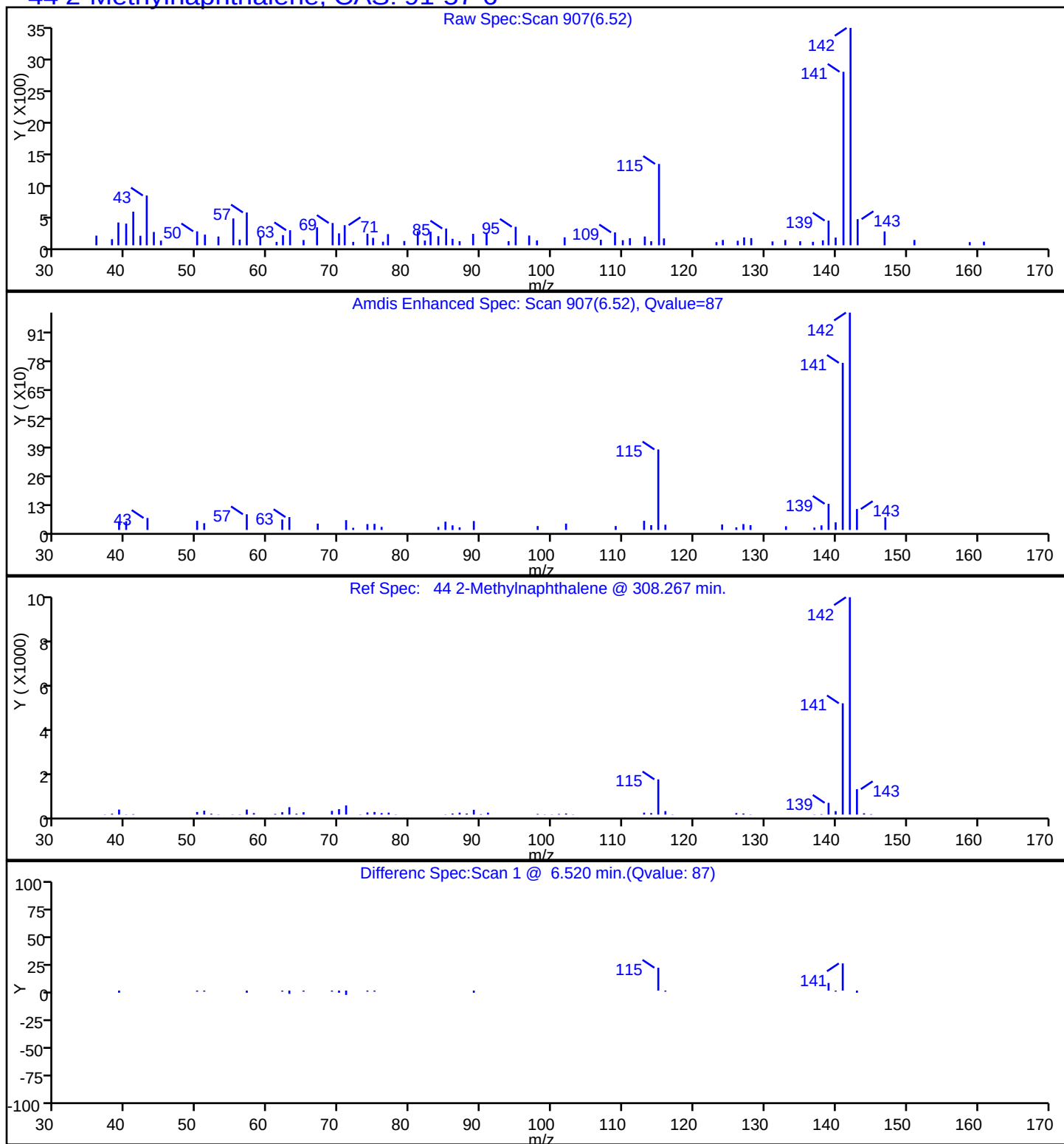
Method: 8270_11R_9

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\\20150915-31763.b\\z36344.D

Injection Date: 15-Sep-2015 11:10:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-5-B

Lab Sample ID: 460-100972-5

Client ID: WC-5

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

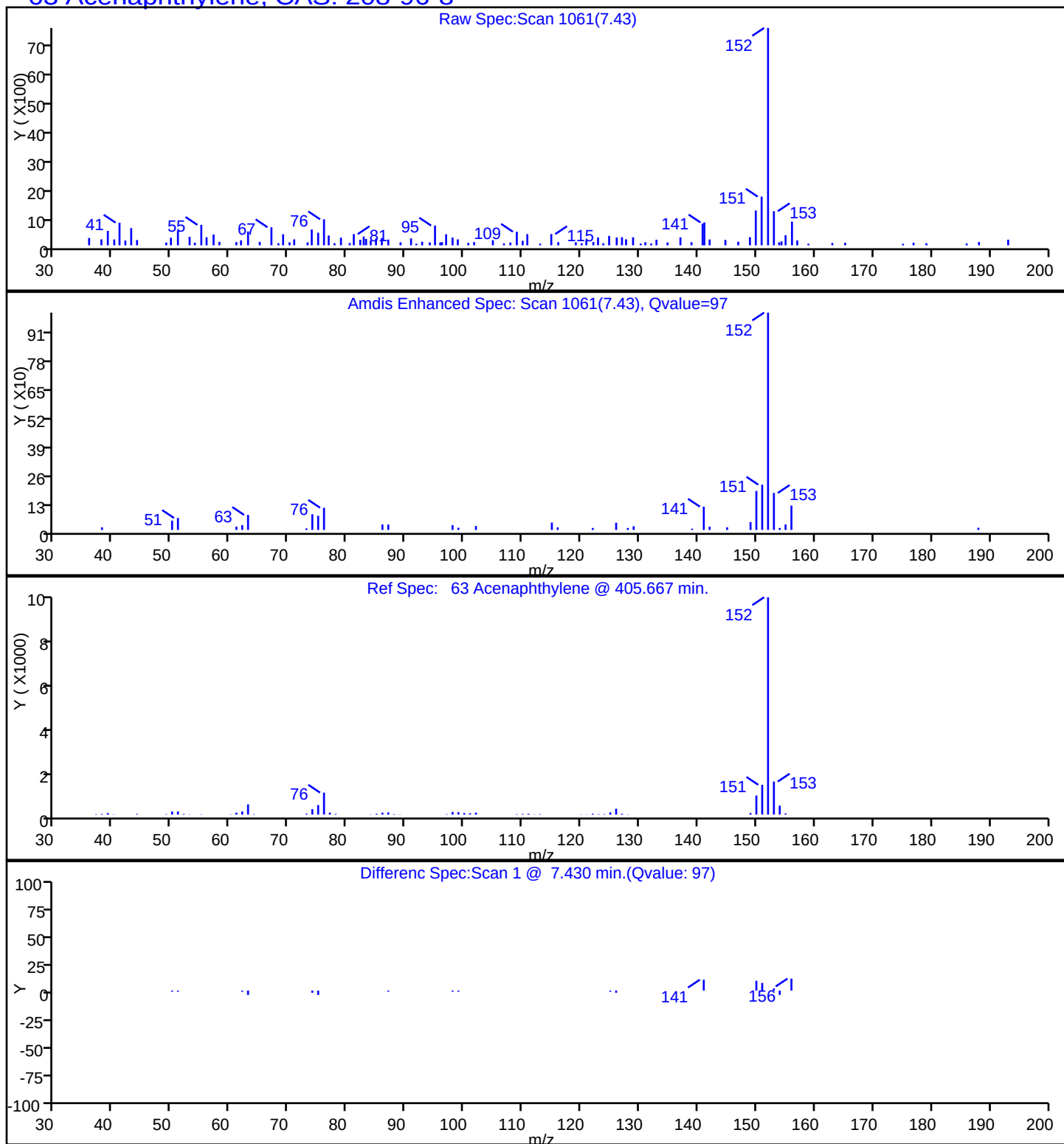
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

63 Acenaphthylene, CAS: 208-96-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\z36344.D

Injection Date: 15-Sep-2015 11:10:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-5-B

Lab Sample ID: 460-100972-5

Client ID: WC-5

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

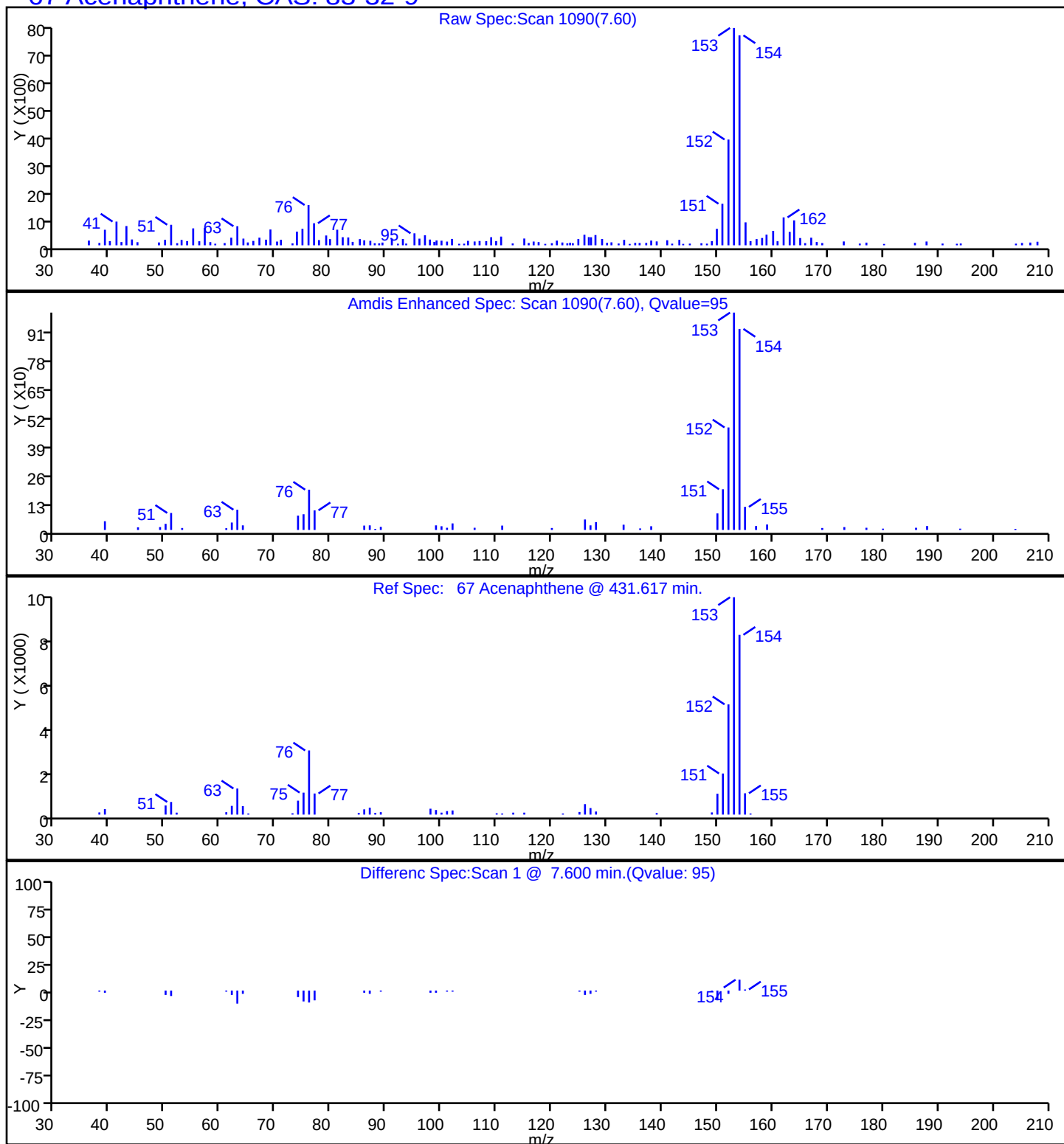
Dil. Factor: 1.0000

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\20150915-31763.b\z36344.D

Injection Date: 15-Sep-2015 11:10:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-5-B

Lab Sample ID: 460-100972-5

Client ID: WC-5

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

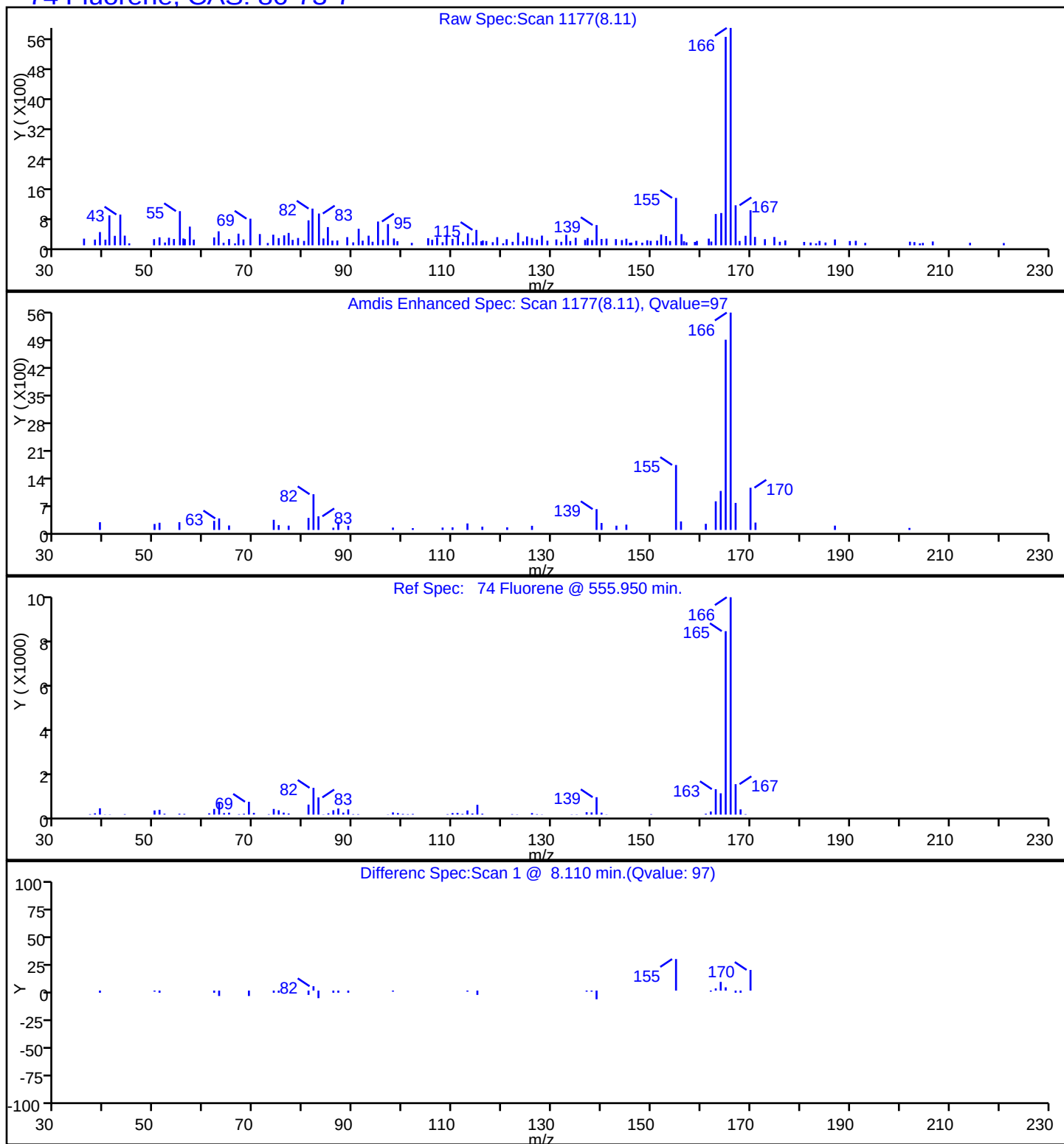
Method: 8270_11R_9

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\\20150915-31763.b\\z36344.D

Injection Date: 15-Sep-2015 11:10:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-5-B

Lab Sample ID: 460-100972-5

Client ID: WC-5

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

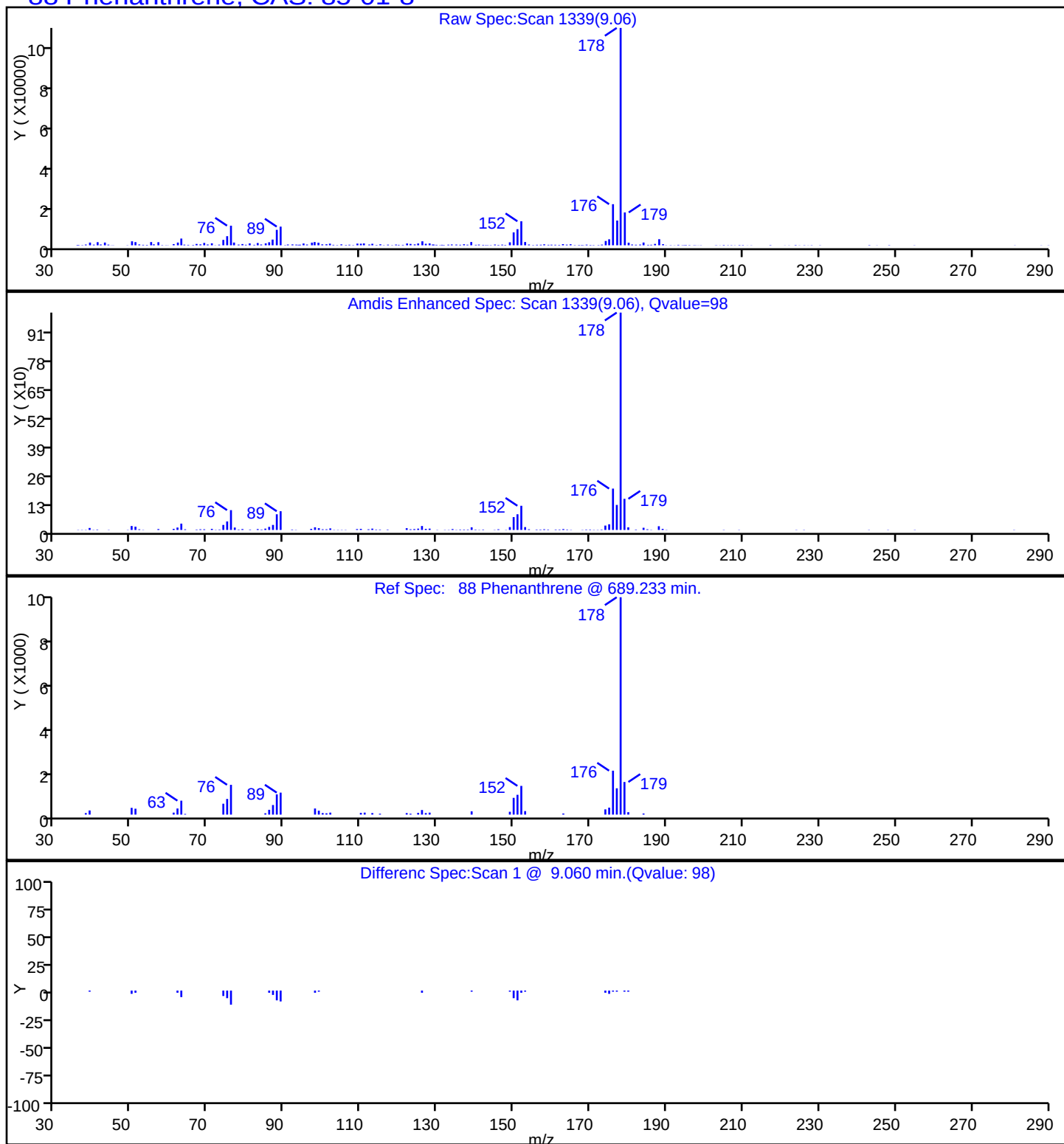
Method: 8270_11R_9

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\20150915-31763.b\z36344.D

Injection Date: 15-Sep-2015 11:10:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-5-B

Lab Sample ID: 460-100972-5

Client ID: WC-5

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

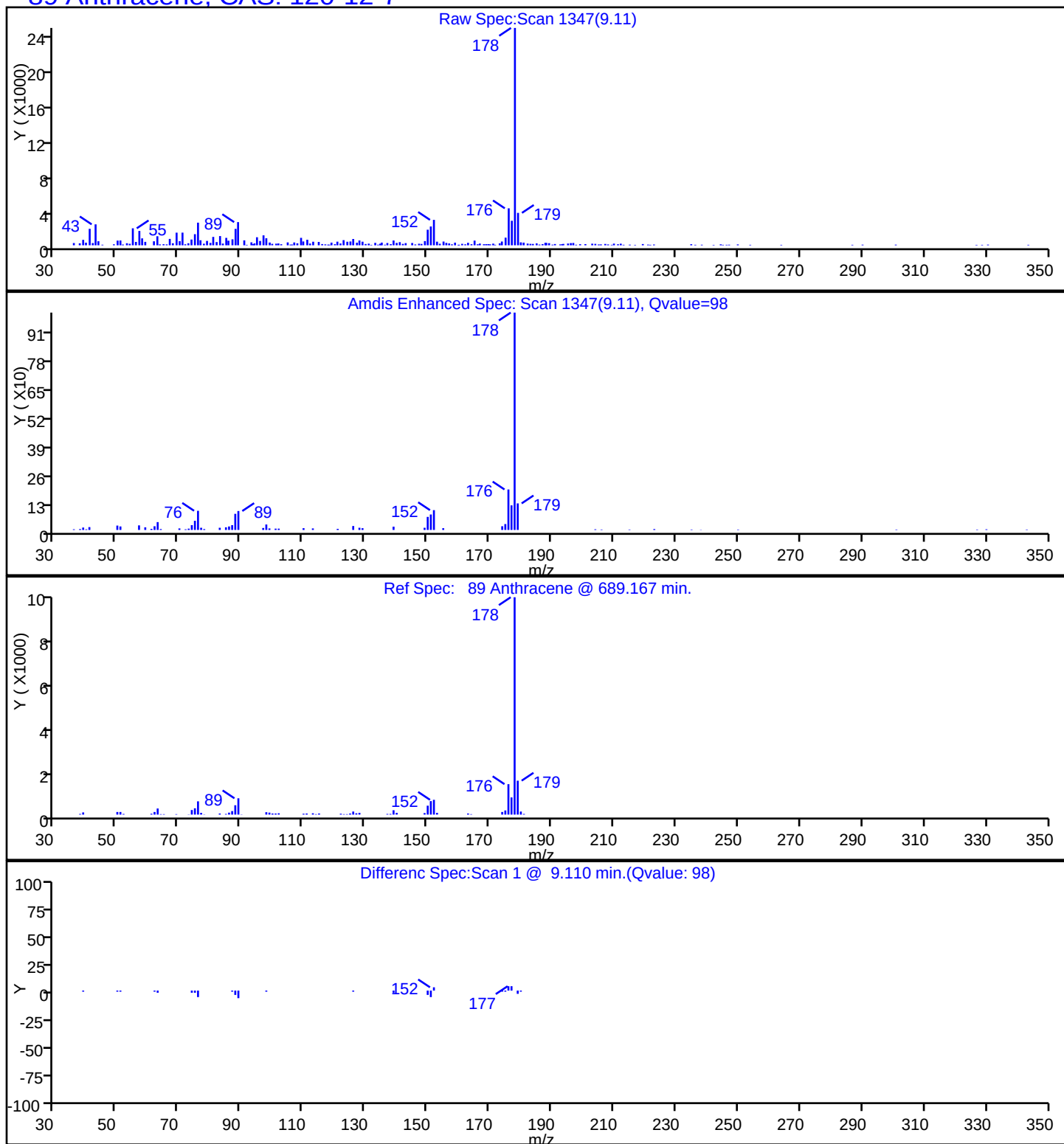
Dil. Factor: 1.0000

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\\20150915-31763.b\\z36344.D

Injection Date: 15-Sep-2015 11:10:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-5-B

Lab Sample ID: 460-100972-5

Client ID: WC-5

Operator ID:

ALS Bottle#:

22

Worklist Smp#:

22

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

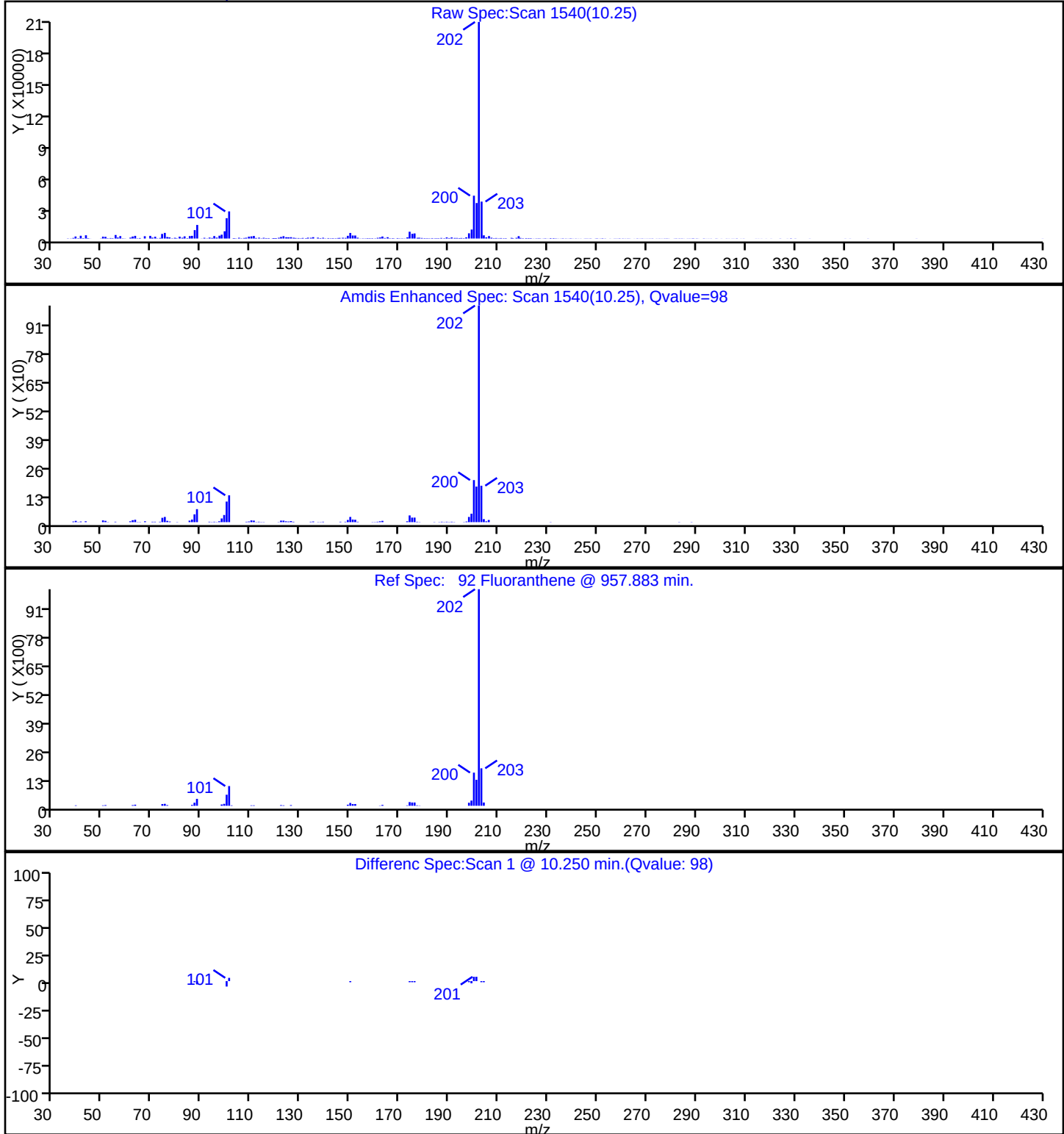
Limit Group:

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\20150915-31763.b\z36344.D

Injection Date: 15-Sep-2015 11:10:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-5-B

Lab Sample ID: 460-100972-5

Client ID: WC-5

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

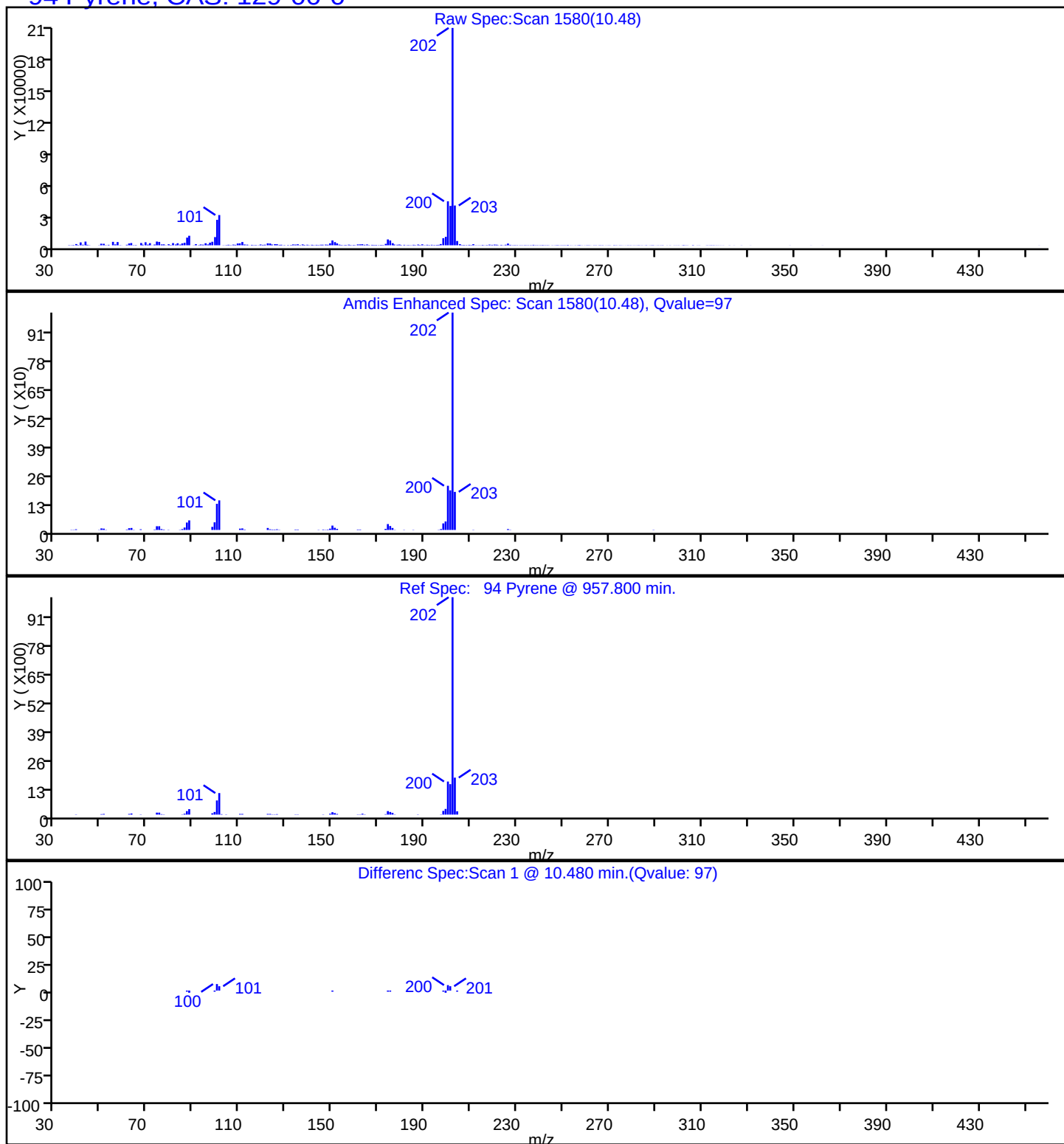
Method: 8270_11R_9

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\\20150915-31763.b\\z36344.D

Injection Date: 15-Sep-2015 11:10:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-5-B

Lab Sample ID: 460-100972-5

Client ID: WC-5

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

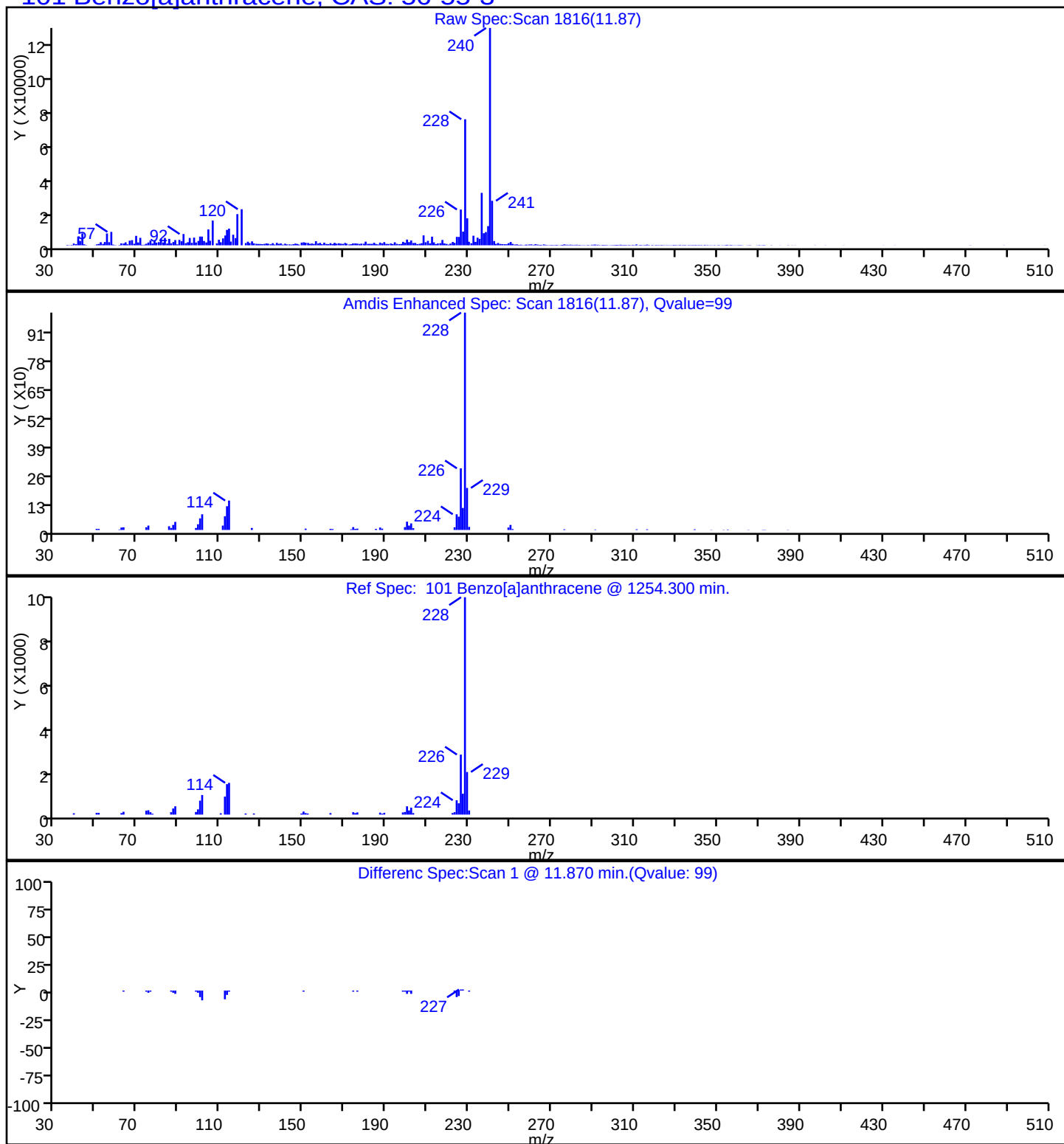
Dil. Factor: 1.0000

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\\20150915-31763.b\\z36344.D

Injection Date: 15-Sep-2015 11:10:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-5-B

Lab Sample ID: 460-100972-5

Client ID: WC-5

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

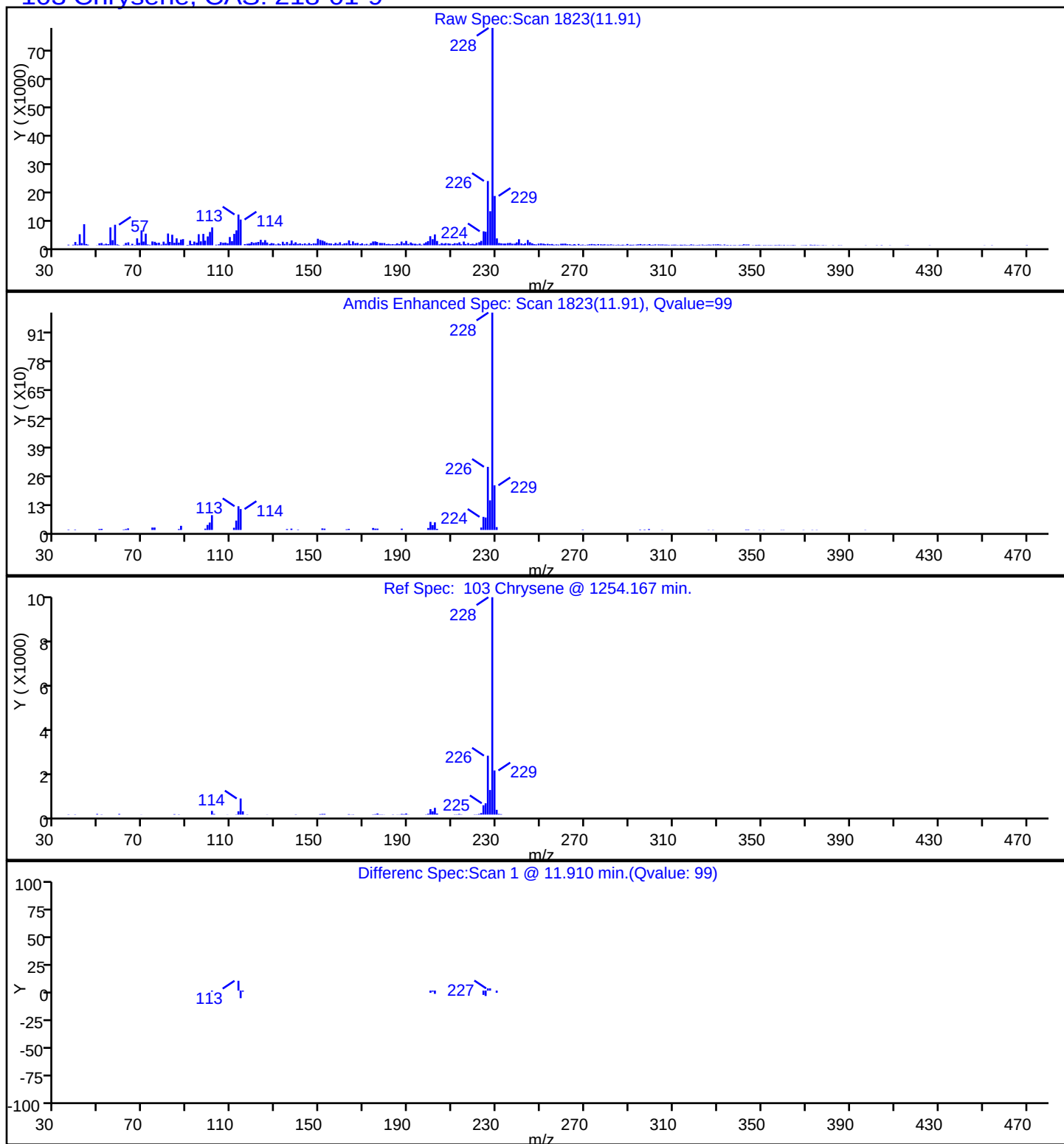
Dil. Factor: 1.0000

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\\20150915-31763.b\\z36344.D

Injection Date: 15-Sep-2015 11:10:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-5-B

Lab Sample ID: 460-100972-5

Client ID: WC-5

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

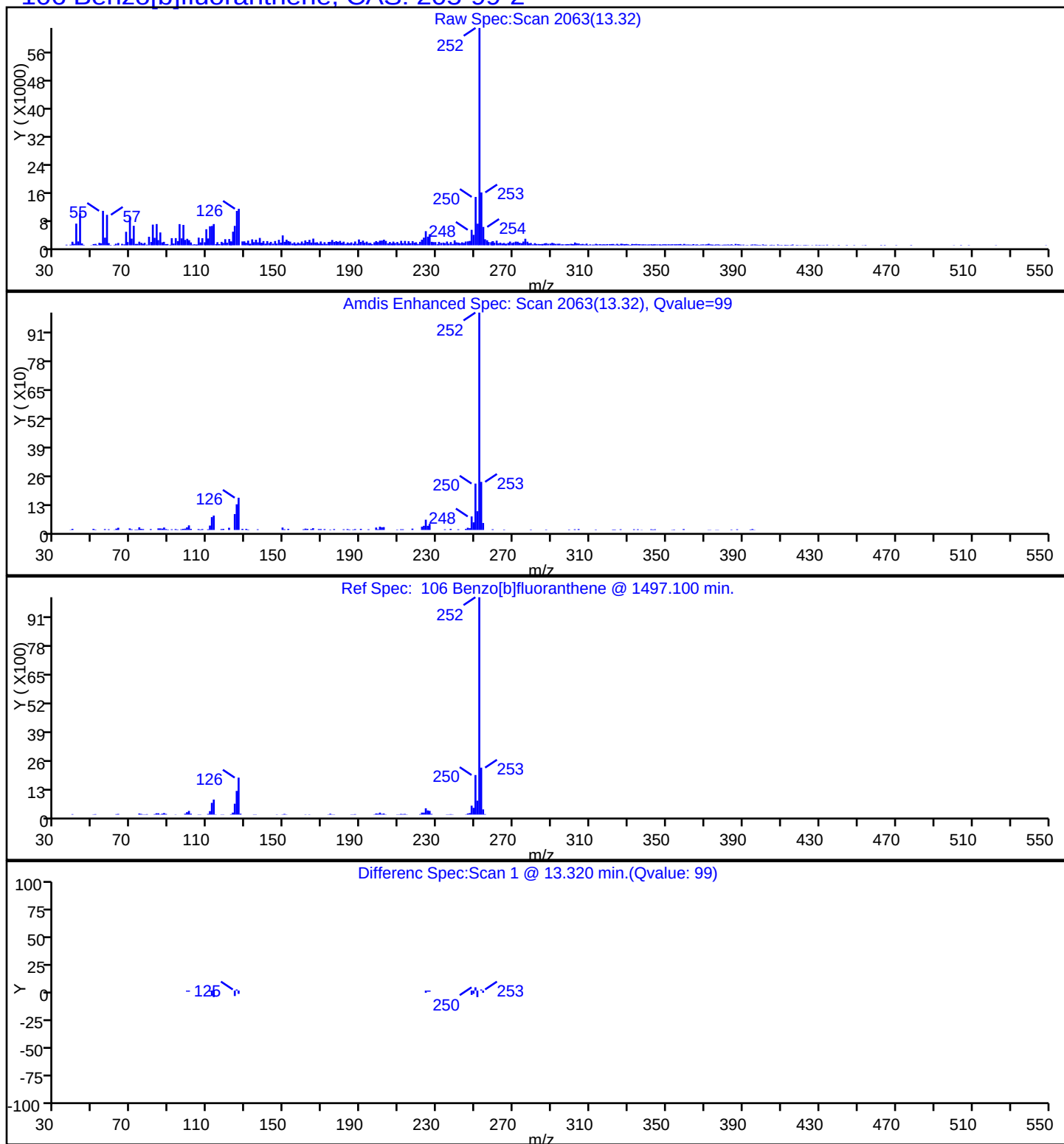
Dil. Factor: 1.0000

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\\20150915-31763.b\\z36344.D

Injection Date: 15-Sep-2015 11:10:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-5-B

Lab Sample ID: 460-100972-5

Client ID: WC-5

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

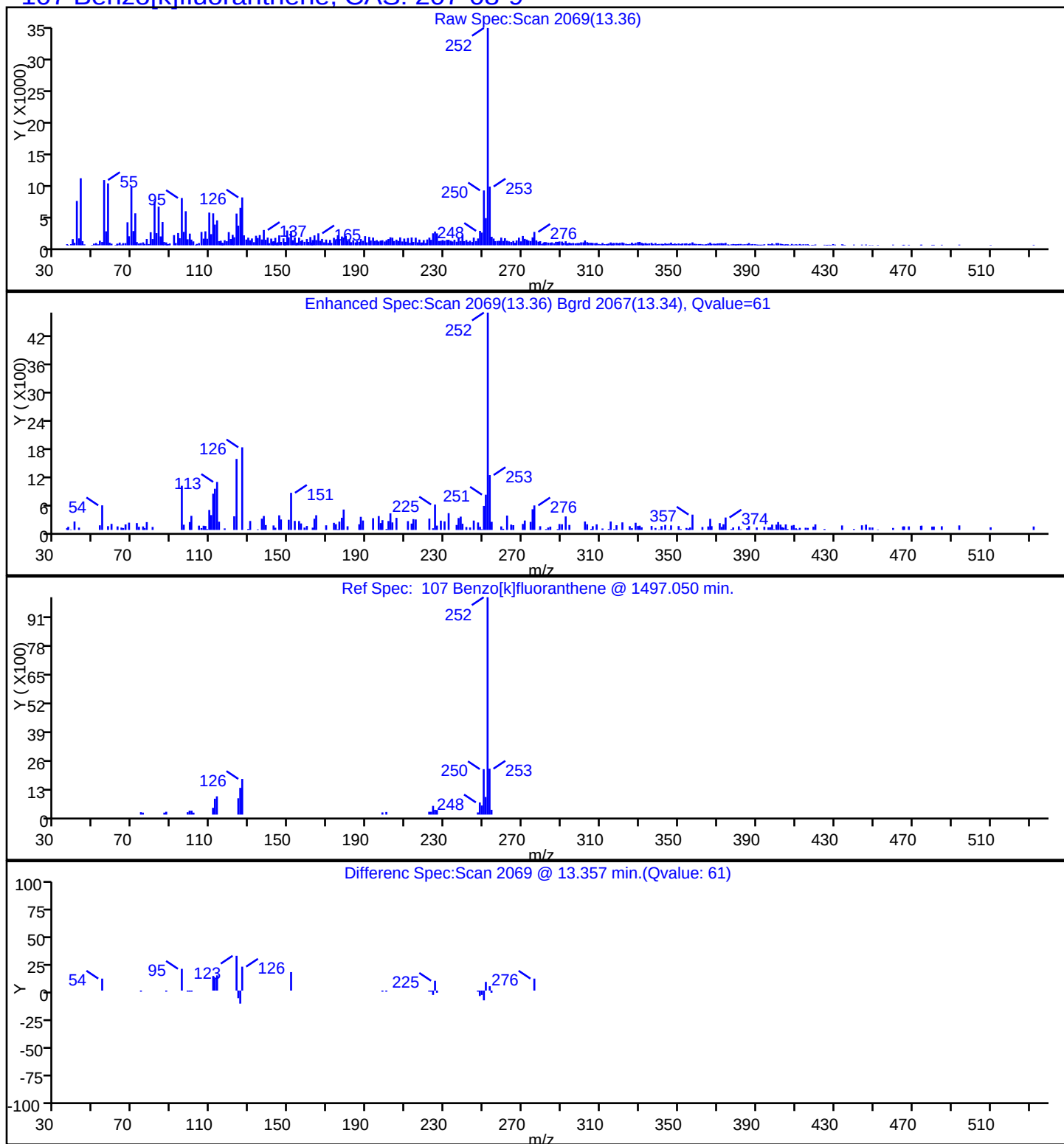
Method: 8270_11R_9

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\\20150915-31763.b\\z36344.D

Injection Date: 15-Sep-2015 11:10:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-5-B

Lab Sample ID: 460-100972-5

Client ID: WC-5

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

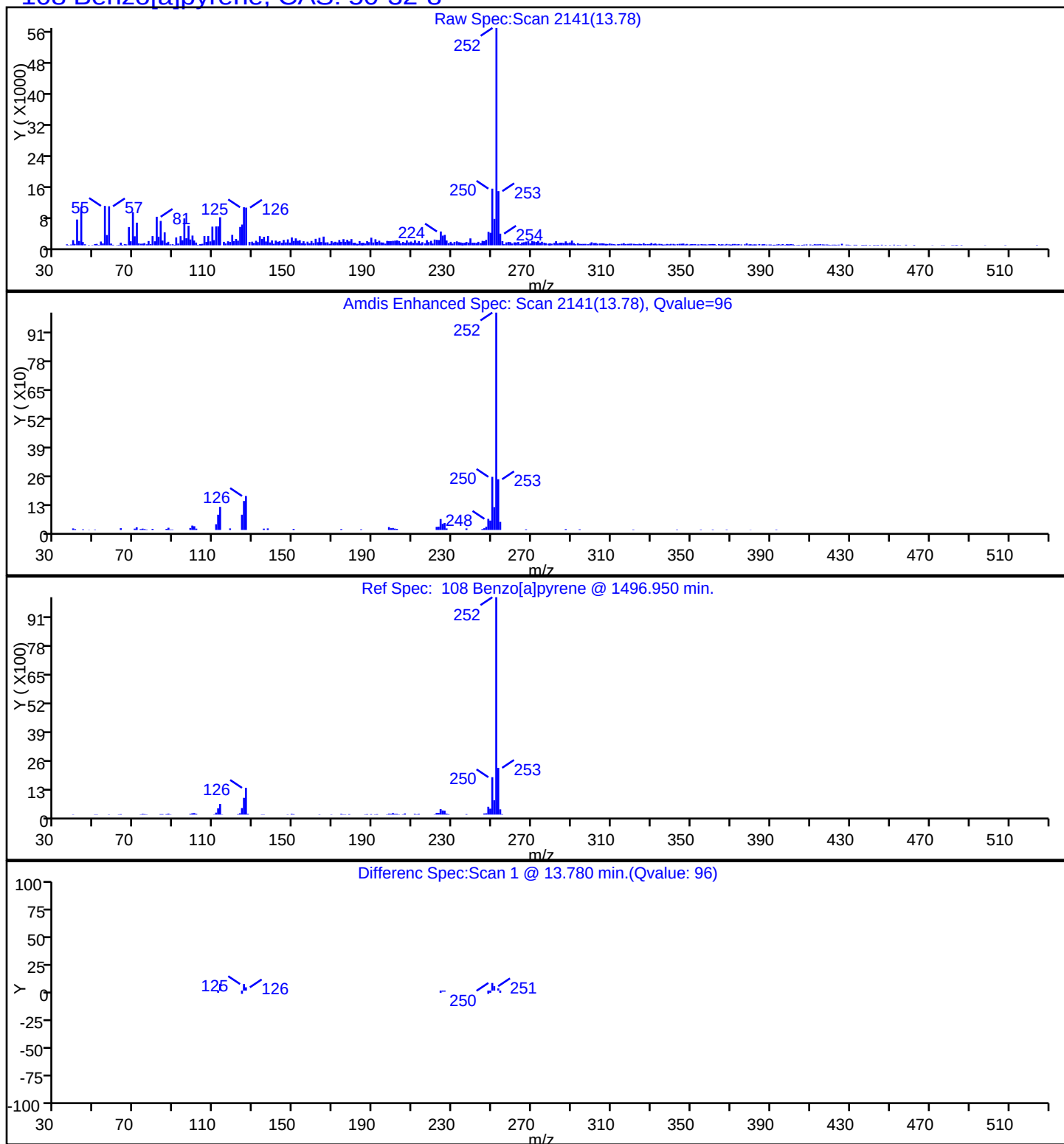
Dil. Factor: 1.0000

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\\20150915-31763.b\\z36344.D

Injection Date: 15-Sep-2015 11:10:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-5-B

Lab Sample ID: 460-100972-5

Client ID: WC-5

Operator ID:

ALS Bottle#:

22

Worklist Smp#:

22

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

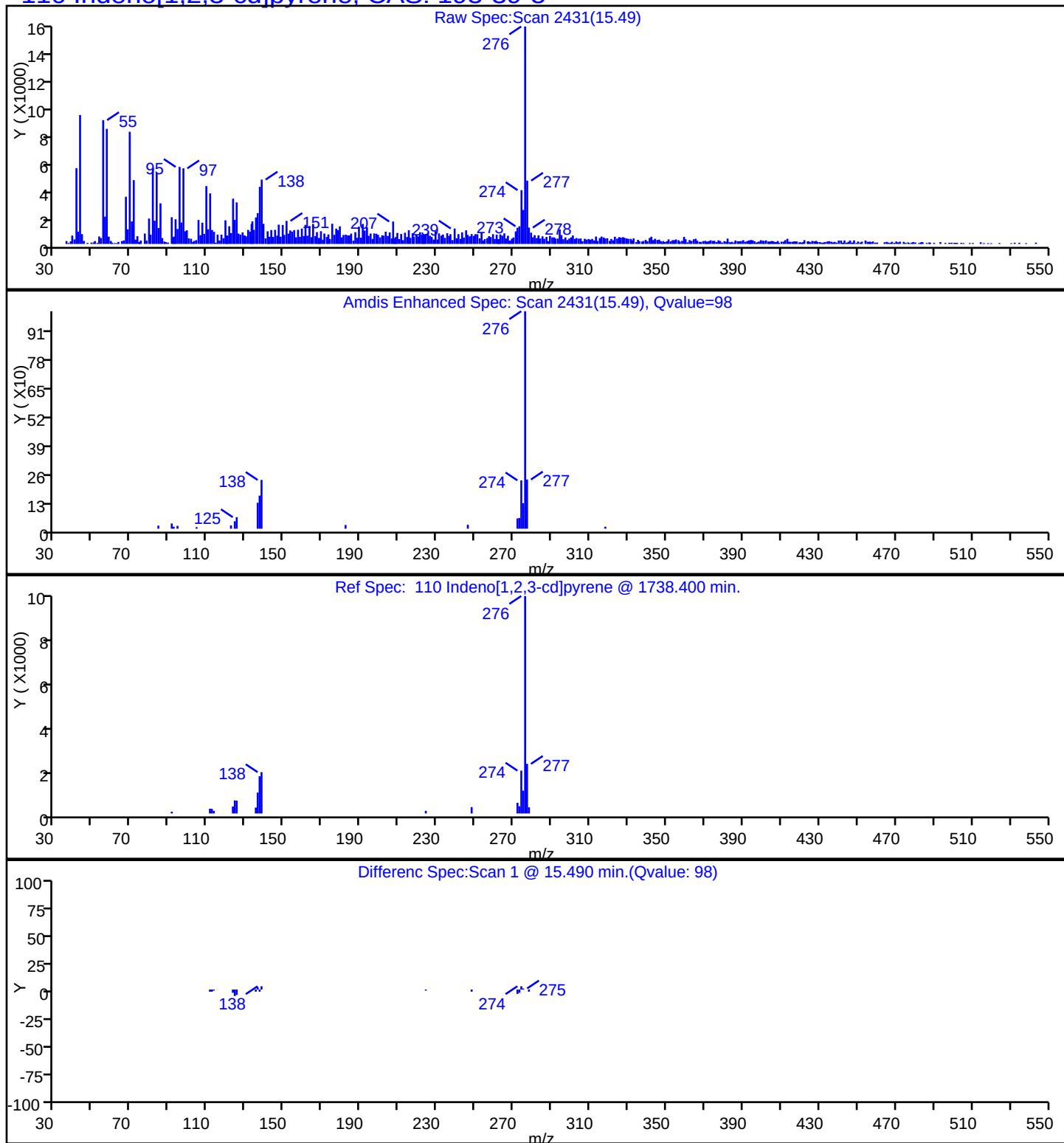
Limit Group:

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\\20150915-31763.b\\z36344.D

Injection Date: 15-Sep-2015 11:10:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-5-B

Lab Sample ID: 460-100972-5

Client ID: WC-5

Operator ID:

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 1.0 ul

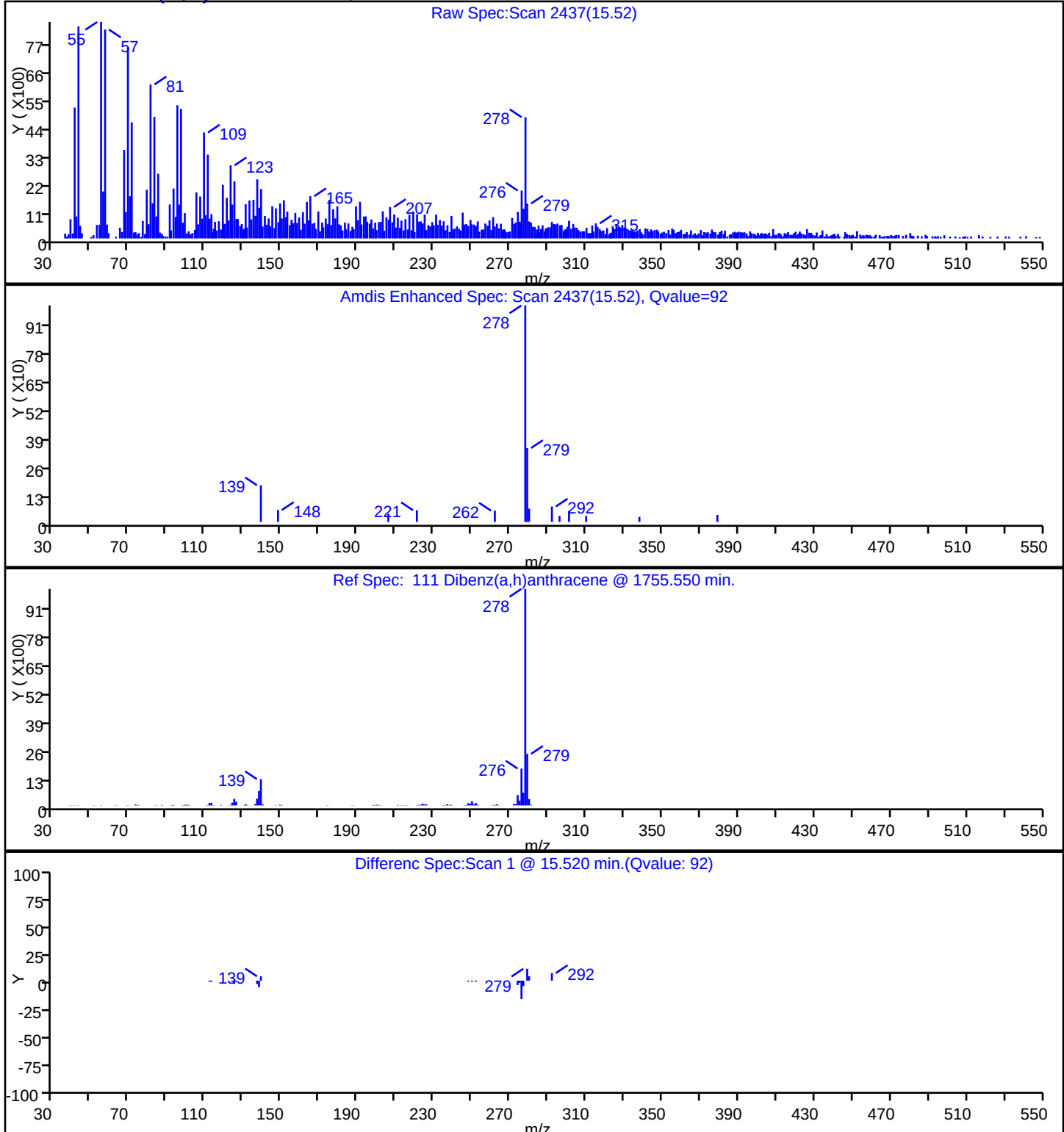
Dil. Factor: 1.0000

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\\20150915-31763.b\\z36344.D

Injection Date: 15-Sep-2015 11:10:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-5-B

Lab Sample ID: 460-100972-5

Client ID: WC-5

Operator ID:

ALS Bottle#:

22

Worklist Smp#:

22

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

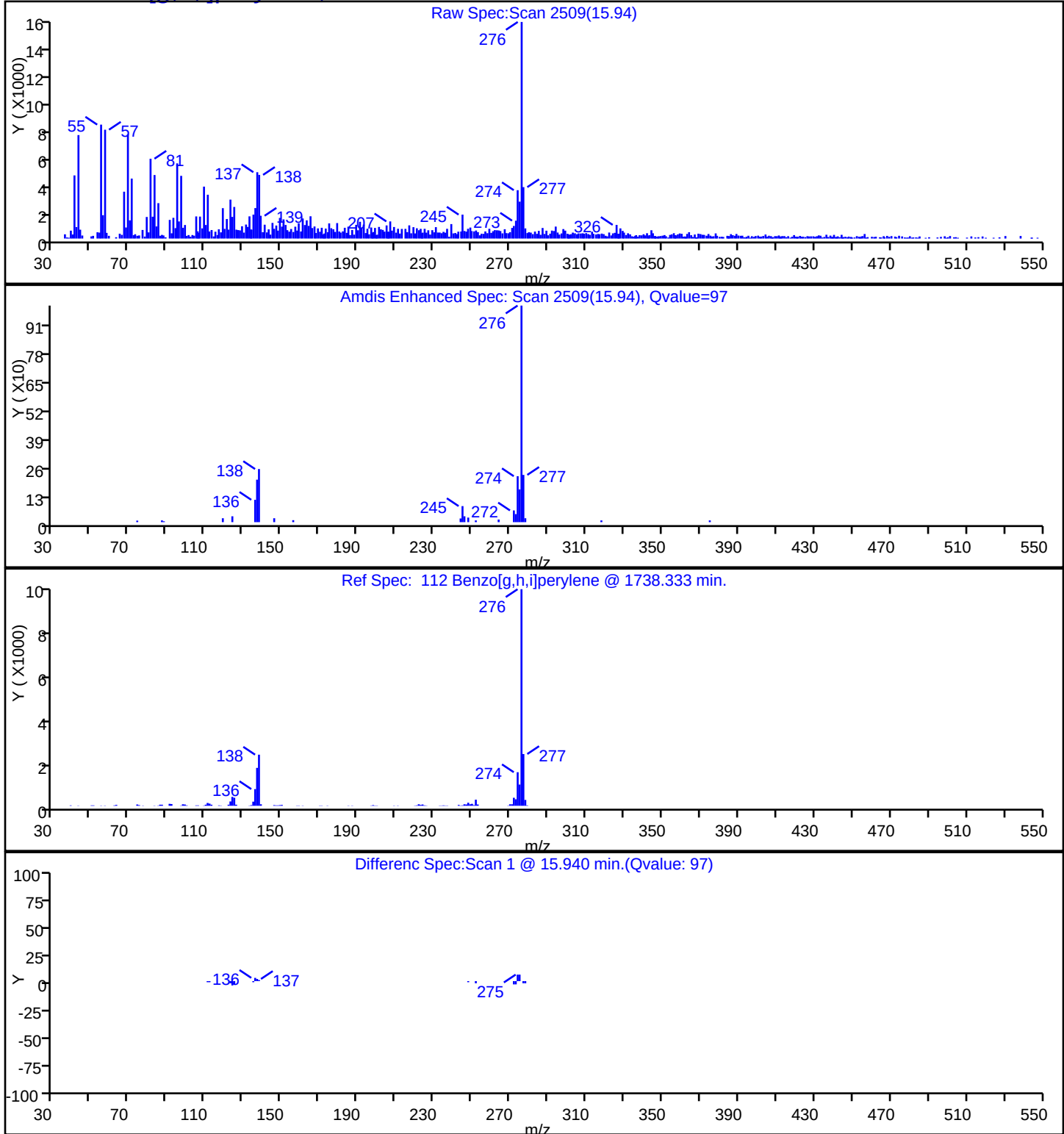
Limit Group:

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>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-6</u>	Lab Sample ID: <u>460-100972-6</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z36345.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>09/11/2015 09:15</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>09/14/2015 08:46</u>
Sample wt/vol: <u>15.0231(g)</u>	Date Analyzed: <u>09/15/2015 11:33</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>322389</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.082	J	0.41	0.010
91-57-6	2-Methylnaphthalene	0.035	J	0.41	0.0091
208-96-8	Acenaphthylene	0.020	J	0.41	0.011
83-32-9	Acenaphthene	0.26	J	0.41	0.0099
86-73-7	Fluorene	0.19	J	0.41	0.0089
85-01-8	Phenanthrene	2.7		0.41	0.011
120-12-7	Anthracene	0.72		0.41	0.039
206-44-0	Fluoranthene	5.8		0.41	0.012
129-00-0	Pyrene	3.6		0.41	0.019
56-55-3	Benzo[a]anthracene	2.4		0.041	0.034
218-01-9	Chrysene	2.6		0.41	0.011
205-99-2	Benzo[b]fluoranthene	3.1		0.041	0.016
207-08-9	Benzo[k]fluoranthene	1.1		0.041	0.018
50-32-8	Benzo[a]pyrene	2.0		0.041	0.012
193-39-5	Indeno[1,2,3-cd]pyrene	0.95		0.041	0.027
53-70-3	Dibenz(a,h)anthracene	0.25		0.041	0.021
191-24-2	Benzo[g,h,i]perylene	0.68		0.41	0.024

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	62		30-130
1718-51-0	Terphenyl-d14	51		30-130
321-60-8	2-Fluorobiphenyl	75		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\z36345.D
 Lims ID: 460-100972-A-6-B Lab Sample ID: 460-100972-6
 Client ID: WC-6
 Sample Type: Client
 Inject. Date: 15-Sep-2015 11:33:30 ALS Bottle#: 23 Worklist Smp#: 23
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031763-023
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 15-Sep-2015 22:49:38 Calib Date: 10-Sep-2015 07:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150909-31608.b\z36210.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: bayoumiw

Date: 15-Sep-2015 22:49:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	4.540	4.528	0.012	97	293463	40.0	
\$ 26 Nitrobenzene-d5	82	5.087	5.092	-0.005	89	310251	31.0	
* 38 Naphthalene-d8	136	5.810	5.810	0.000	99	950460	40.0	
39 Naphthalene	128	5.828	5.839	-0.011	99	24873	0.9882	
44 2-Methylnaphthalene	142	6.522	6.534	-0.012	80	6715	0.4273	
\$ 51 2-Fluorobiphenyl	172	6.892	6.898	-0.006	98	520351	37.4	
63 Acenaphthylene	152	7.428	7.433	-0.005	97	4274	0.2426	
* 65 Acenaphthene-d10	164	7.569	7.569	0.000	93	399930	40.0	
67 Acenaphthene	154	7.598	7.610	-0.012	95	36850	3.15	
74 Fluorene	166	8.110	8.116	-0.006	97	26993	2.27	
* 87 Phenanthrene-d10	188	9.039	9.039	0.000	99	506355	40.0	
88 Phenanthrene	178	9.063	9.069	-0.006	98	467997	32.3	
89 Anthracene	178	9.116	9.116	0.000	98	124956	8.73	
92 Fluoranthene	202	10.251	10.245	0.006	98	837880	70.3	
94 Pyrene	202	10.486	10.480	0.006	97	870912	43.0	
\$ 96 Terphenyl-d14	244	10.639	10.633	0.006	99	349339	25.7	
101 Benzo[a]anthracene	228	11.874	11.863	0.011	99	424152	29.0	
* 102 Chrysene-d12	240	11.886	11.869	0.017	99	500613	40.0	
103 Chrysene	228	11.922	11.910	0.012	99	402700	31.3	
106 Benzo[b]fluoranthene	252	13.333	13.315	0.018	98	456747	37.0	
107 Benzo[k]fluoranthene	252	13.368	13.357	0.011	55	176311	13.6	
108 Benzo[a]pyrene	252	13.786	13.774	0.012	97	263638	23.6	
* 109 Perylene-d12	264	13.874	13.851	0.023	98	435587	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.492	15.474	0.018	99	106442	11.4	
111 Dibenzo(a,h)anthracene	278	15.515	15.509	0.006	93	26548	3.05	
112 Benzo[g,h,i]perylene	276	15.945	15.939	0.006	97	85909	8.26	

Reagents:

SM_ISTD_00092 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150915-31763.b\\z36345.D

Injection Date: 15-Sep-2015 11:33:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: 460-100972-A-6-B

Lab Sample ID: 460-100972-6

Worklist Smp#: 23

Client ID: WC-6

Injection Vol: 1.0 ul

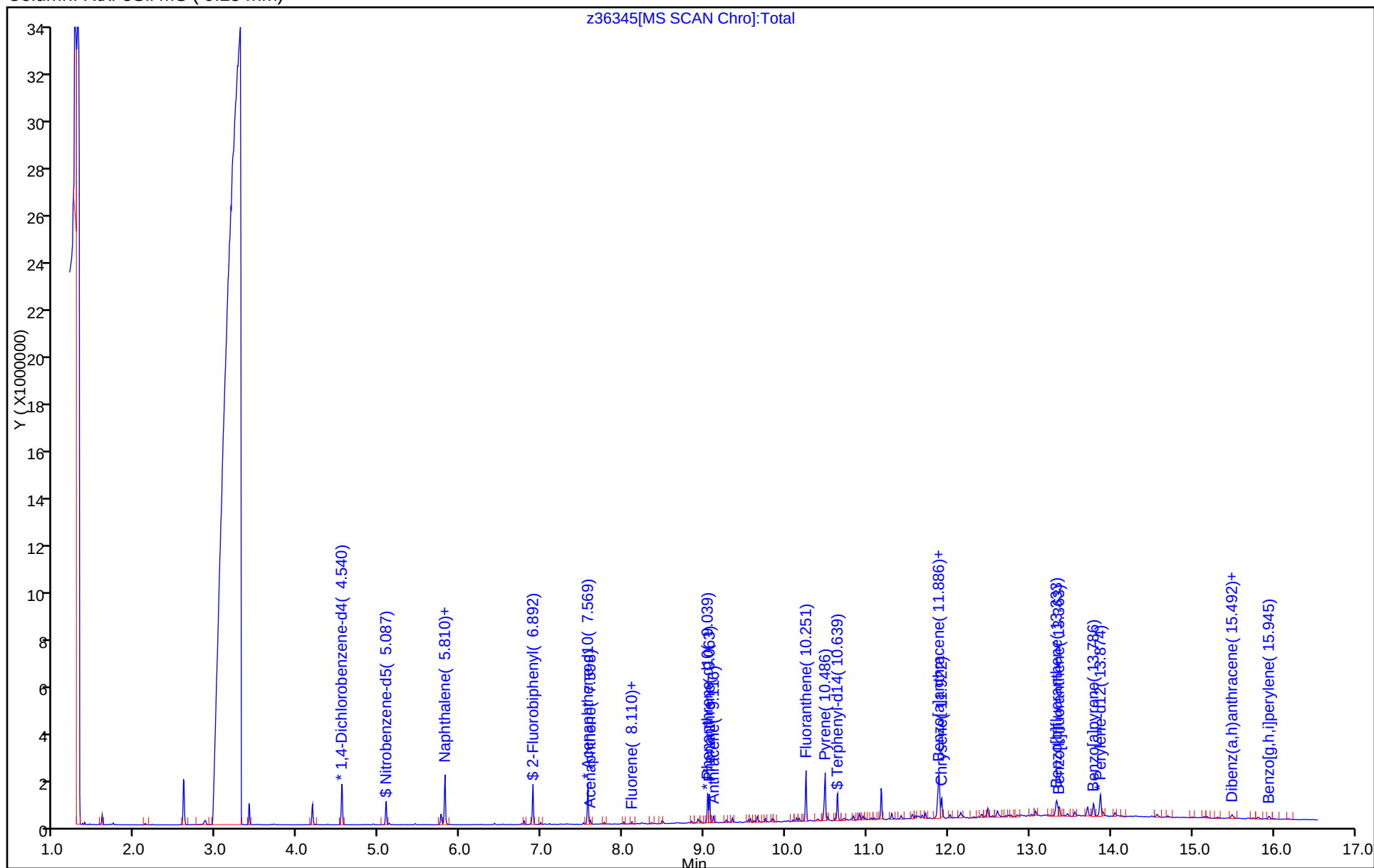
Dil. Factor: 1.0000

ALS Bottle#: 23

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\z36345.D

Injection Date: 15-Sep-2015 11:33:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-6-B

Lab Sample ID: 460-100972-6

Client ID: WC-6

Operator ID:

ALS Bottle#: 23

Worklist Smp#: 23

Injection Vol: 1.0 ul

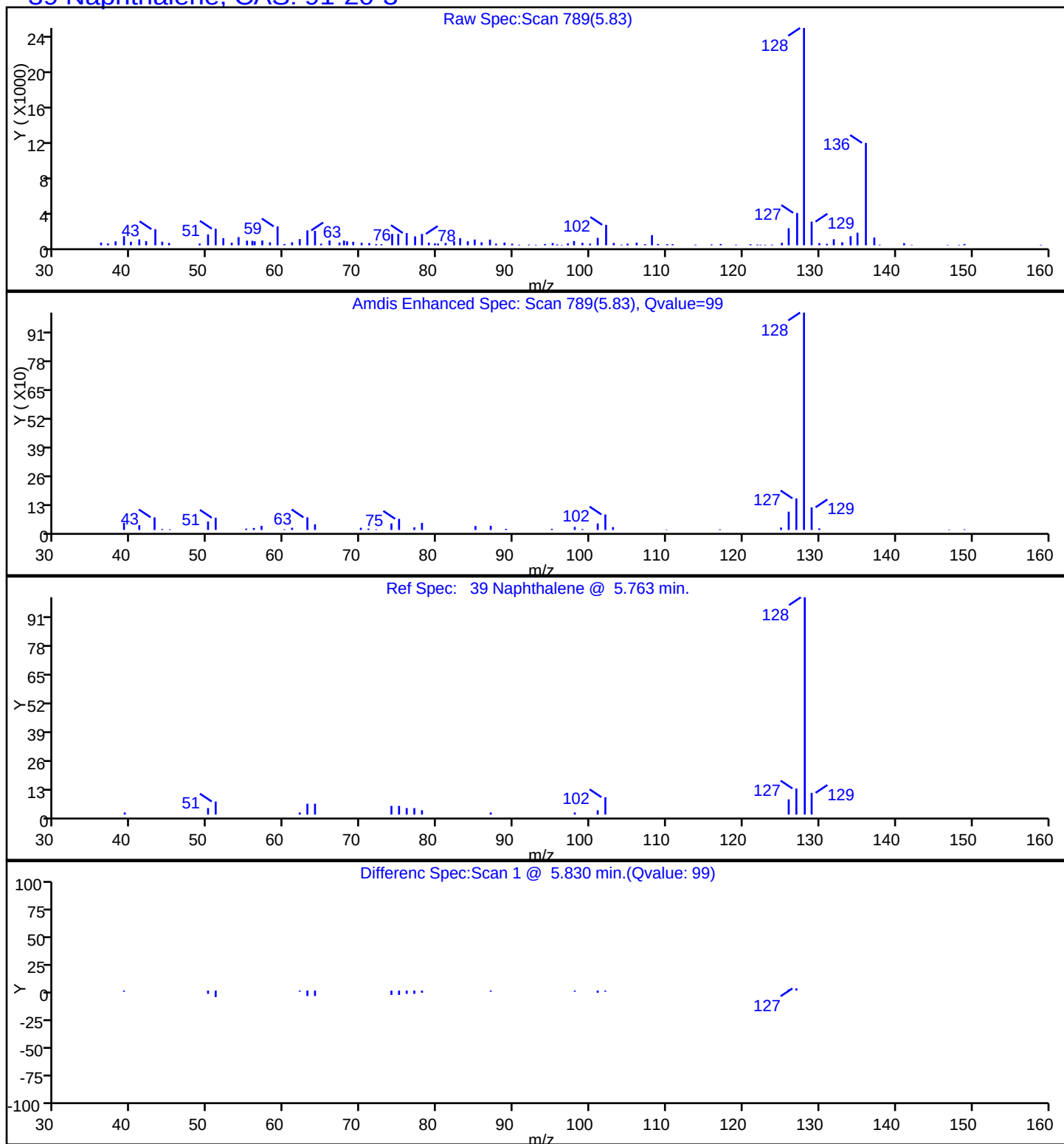
Dil. Factor: 1.0000

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\\20150915-31763.b\\z36345.D

Injection Date: 15-Sep-2015 11:33:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-6-B

Lab Sample ID: 460-100972-6

Client ID: WC-6

Operator ID:

ALS Bottle#:

23

Worklist Smp#:

23

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

Limit Group:

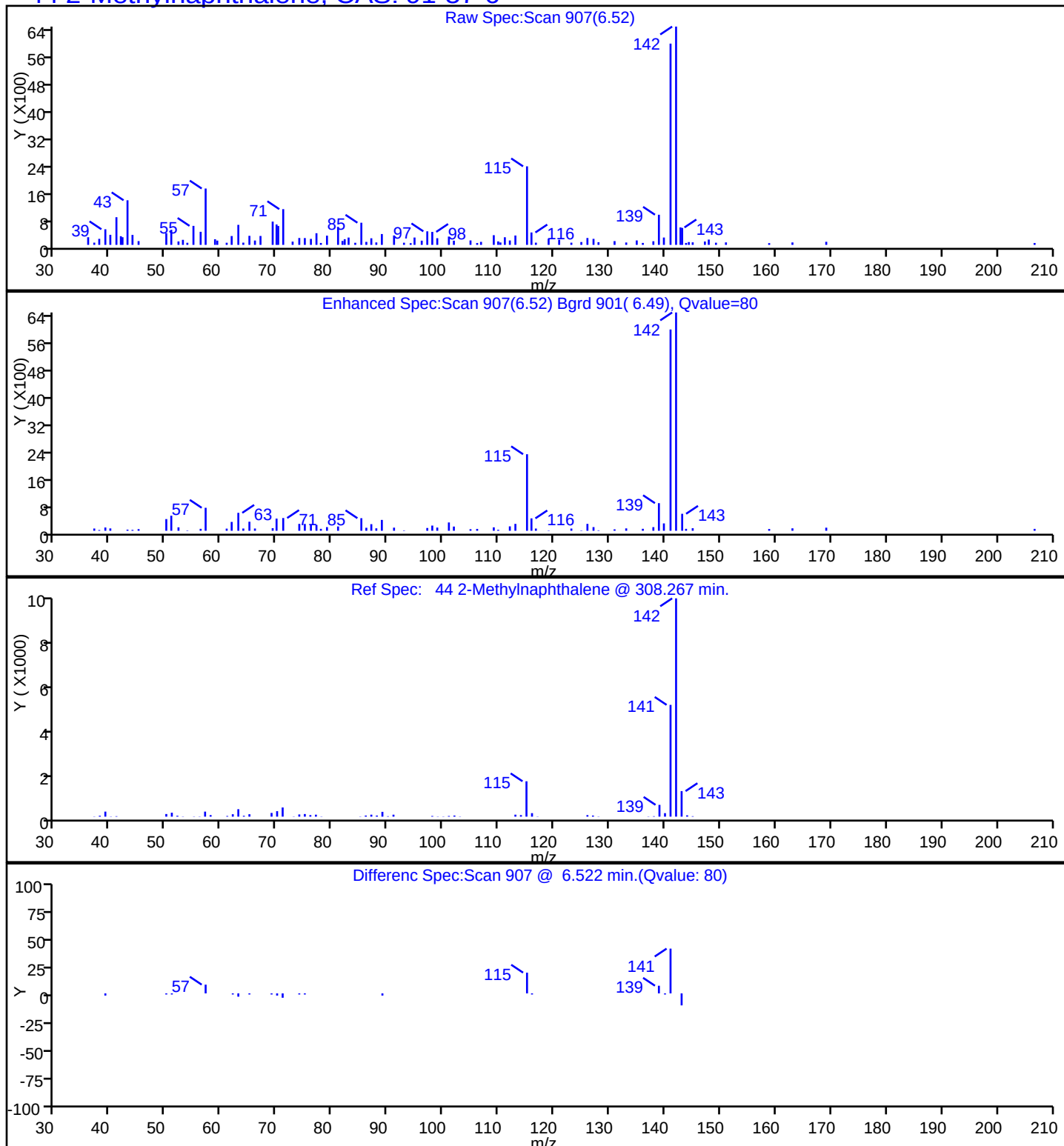
SV 8270D ICAL

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\\20150915-31763.b\\z36345.D

Injection Date: 15-Sep-2015 11:33:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-6-B

Lab Sample ID: 460-100972-6

Client ID: WC-6

Operator ID:

ALS Bottle#: 23

Worklist Smp#: 23

Injection Vol: 1.0 ul

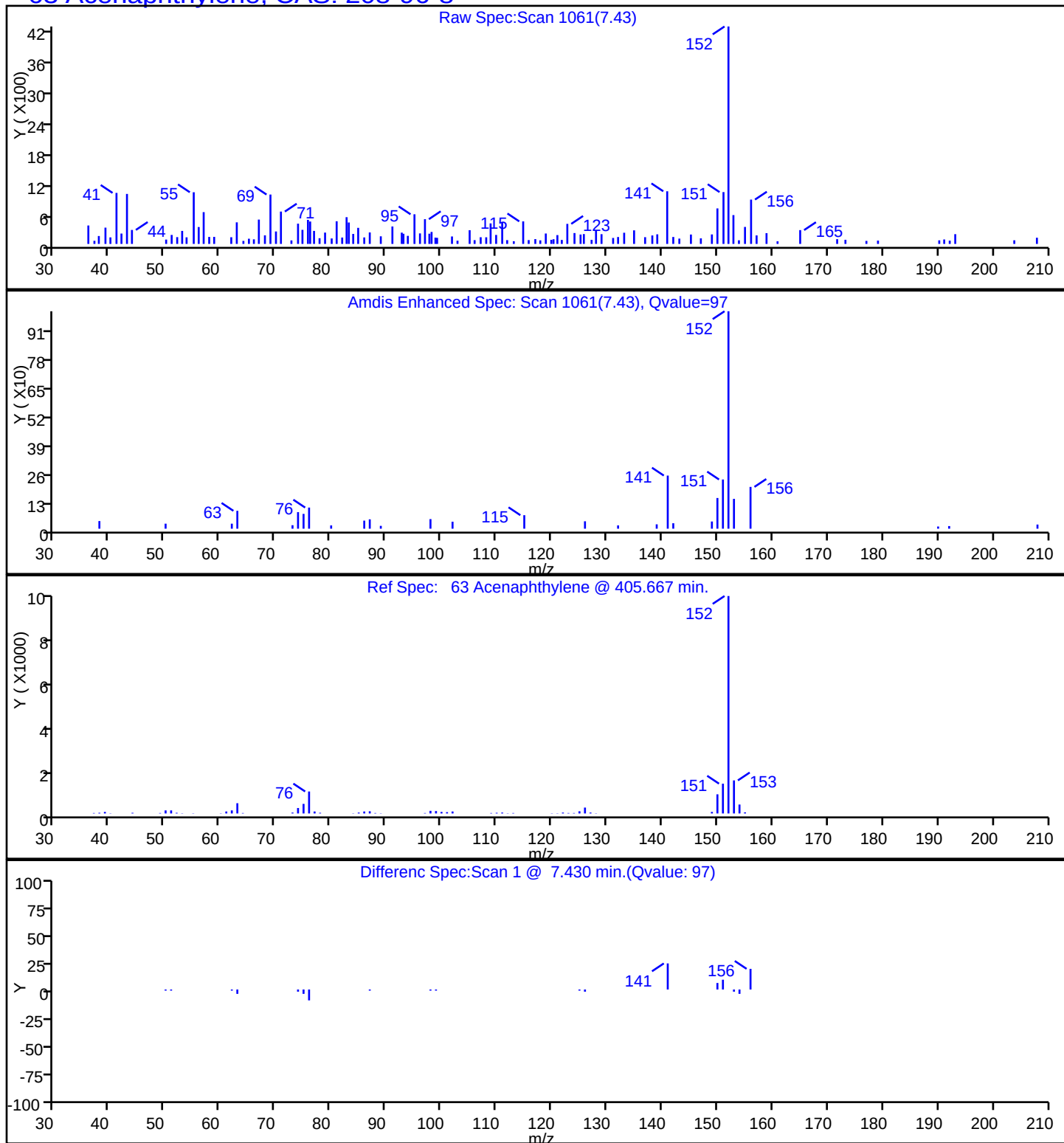
Dil. Factor: 1.0000

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\\20150915-31763.b\\z36345.D

Injection Date: 15-Sep-2015 11:33:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-6-B

Lab Sample ID: 460-100972-6

Client ID: WC-6

Operator ID:

ALS Bottle#: 23

Worklist Smp#: 23

Injection Vol: 1.0 ul

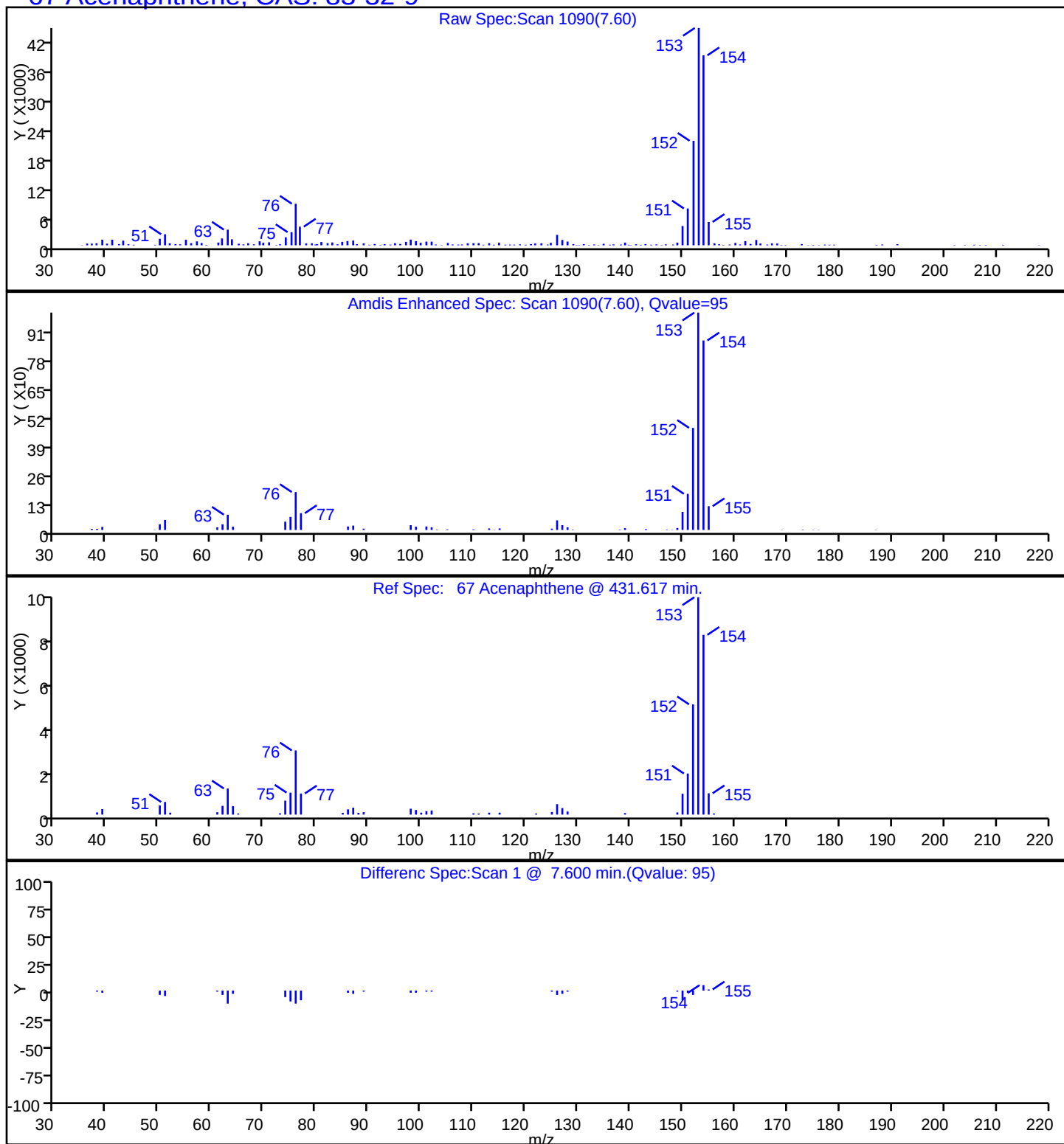
Dil. Factor: 1.0000

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\20150915-31763.b\z36345.D

Injection Date: 15-Sep-2015 11:33:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-6-B

Lab Sample ID: 460-100972-6

Client ID: WC-6

Operator ID:

ALS Bottle#: 23

Worklist Smp#: 23

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

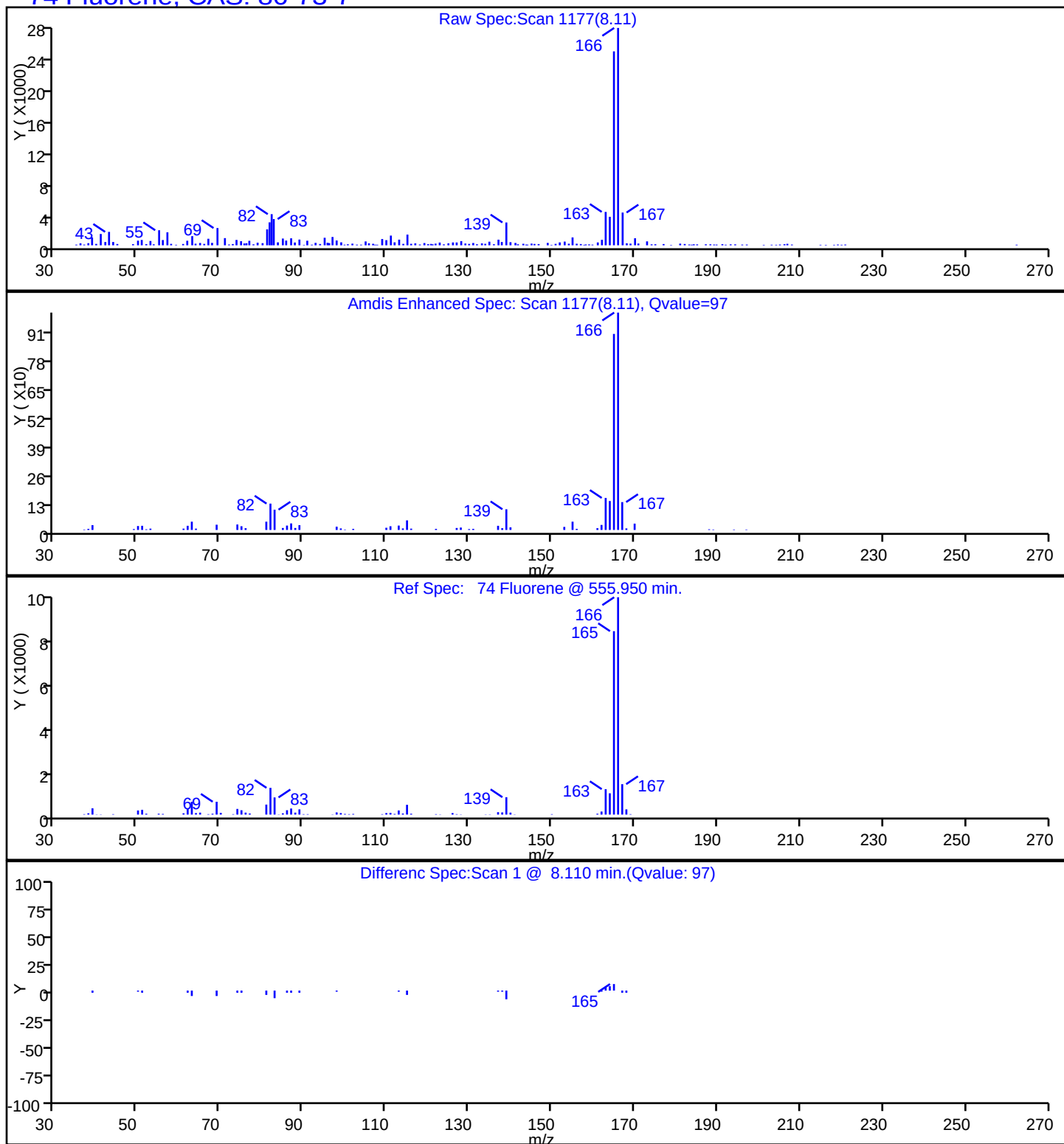
Method: 8270_11R_9

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\20150915-31763.b\z36345.D

Injection Date: 15-Sep-2015 11:33:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-6-B

Lab Sample ID: 460-100972-6

Client ID: WC-6

Operator ID:

ALS Bottle#: 23

Worklist Smp#: 23

Injection Vol: 1.0 ul

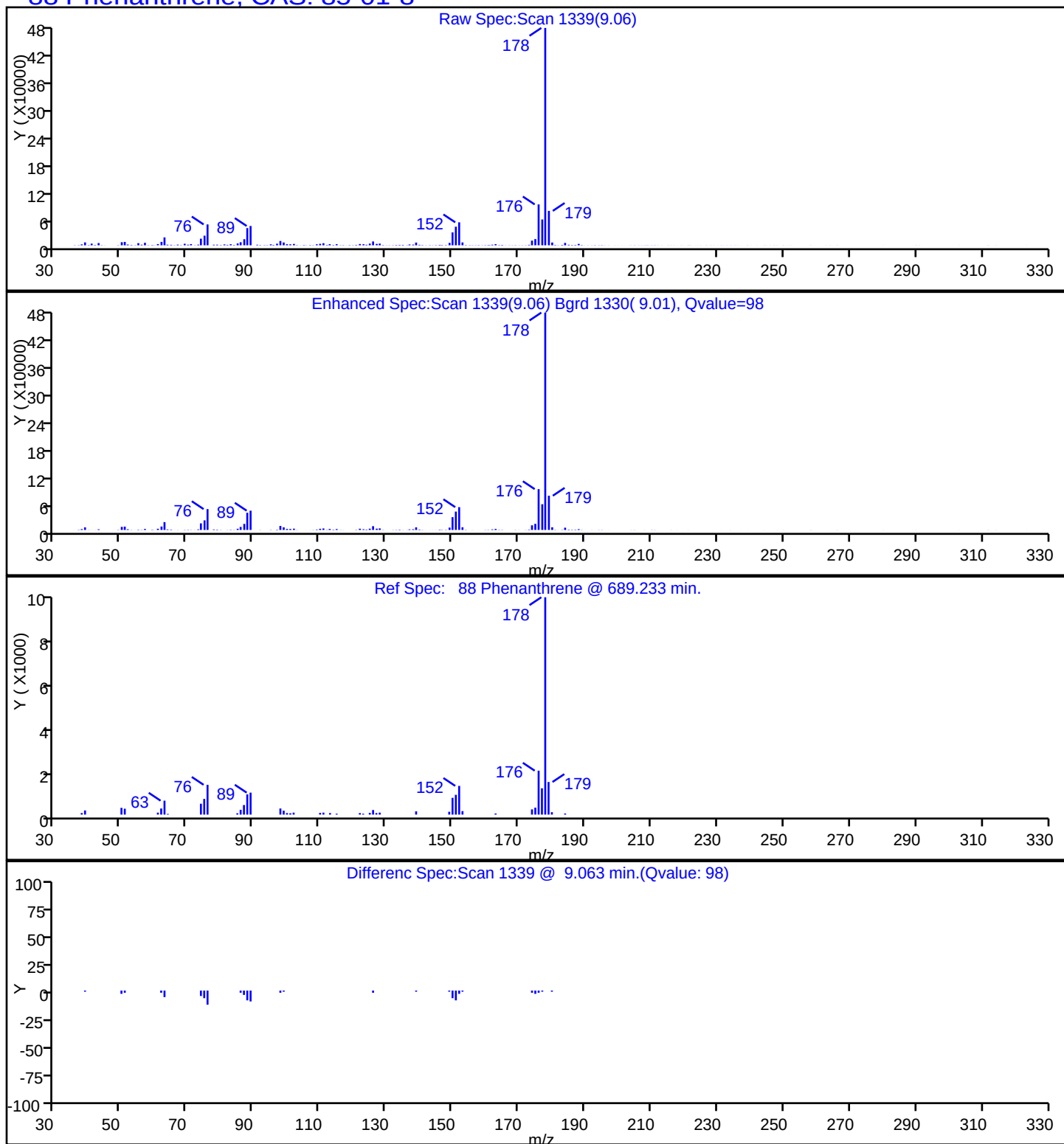
Dil. Factor: 1.0000

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\\20150915-31763.b\\z36345.D

Injection Date: 15-Sep-2015 11:33:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-6-B

Lab Sample ID: 460-100972-6

Client ID: WC-6

Operator ID:

ALS Bottle#: 23

Worklist Smp#: 23

Injection Vol: 1.0 ul

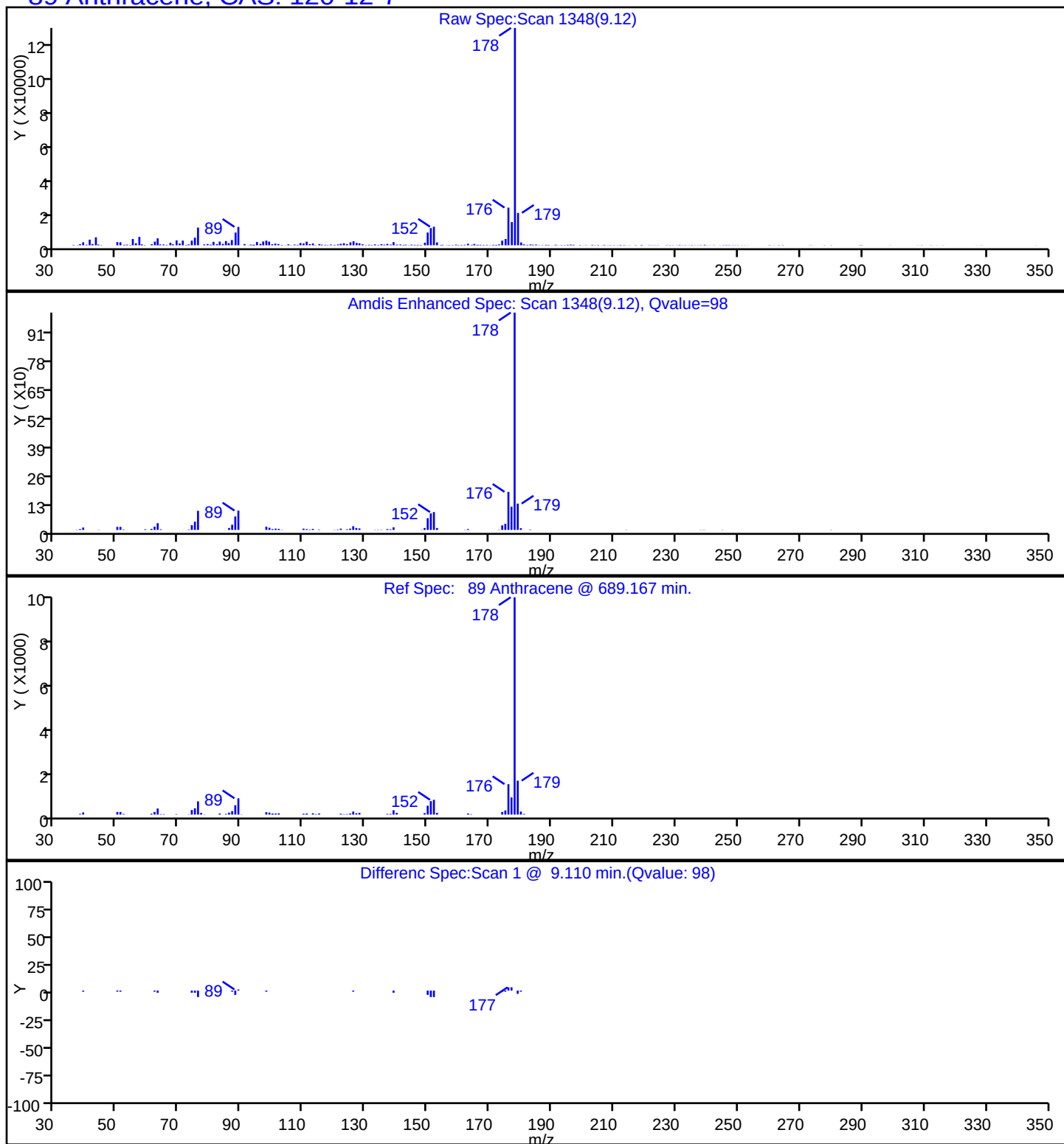
Dil. Factor: 1.0000

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\20150915-31763.b\z36345.D

Injection Date: 15-Sep-2015 11:33:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-6-B

Lab Sample ID: 460-100972-6

Client ID: WC-6

Operator ID:

ALS Bottle#:

23

Worklist Smp#:

23

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

Limit Group:

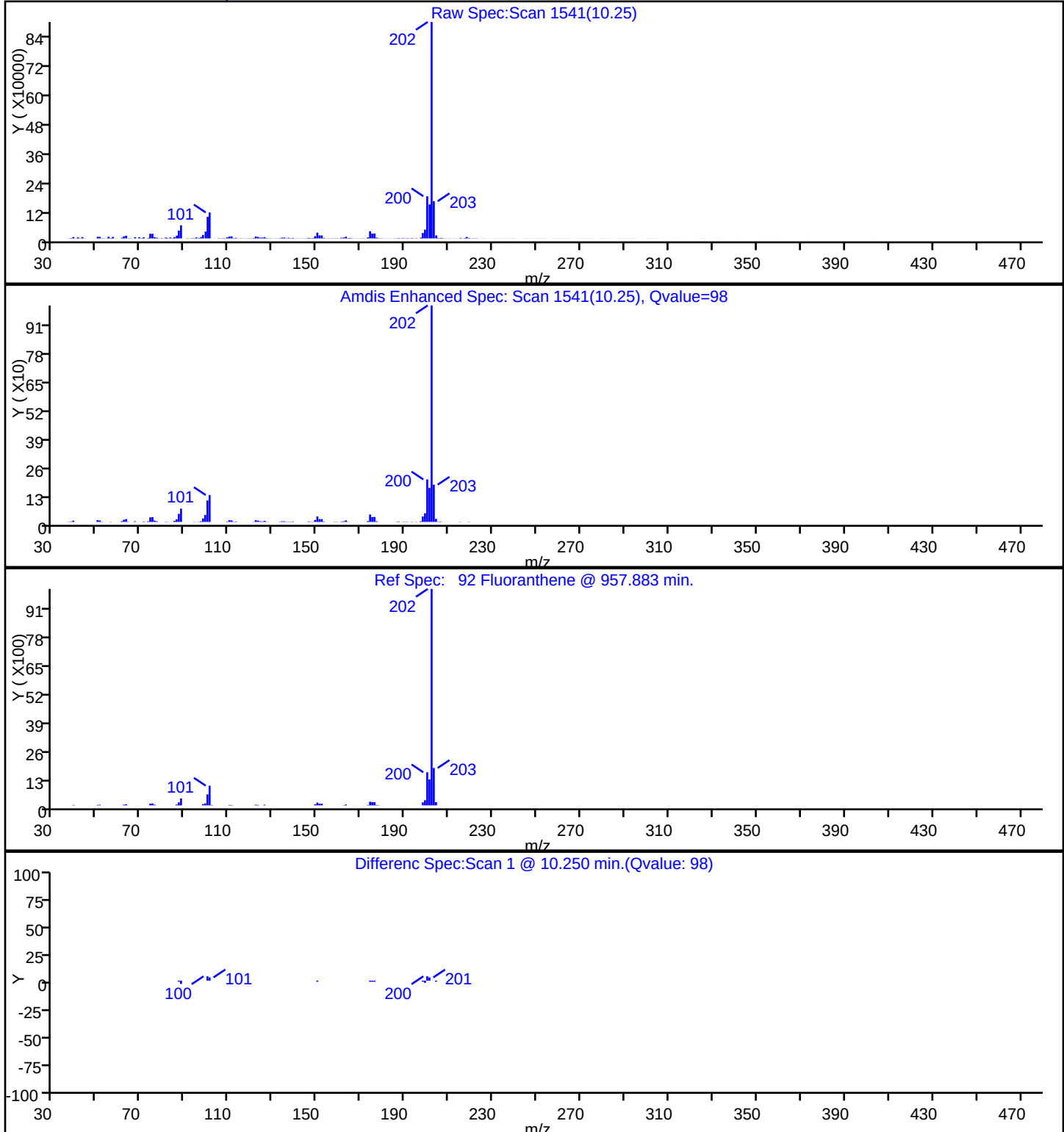
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

92 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\z36345.D

Injection Date: 15-Sep-2015 11:33:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-6-B

Lab Sample ID: 460-100972-6

Client ID: WC-6

Operator ID:

ALS Bottle#: 23

Worklist Smp#: 23

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

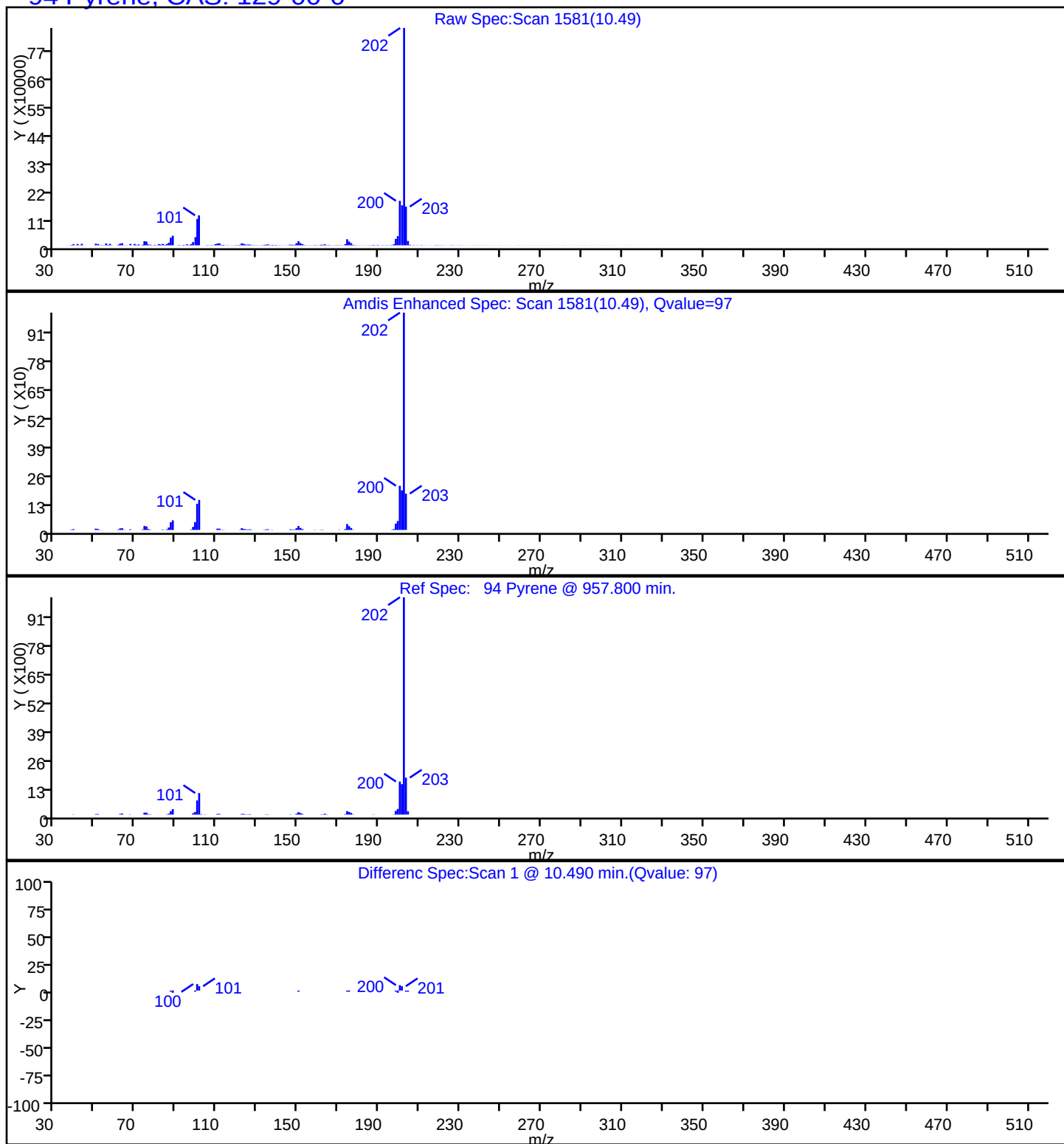
Method: 8270_11R_9

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\\20150915-31763.b\\z36345.D

Injection Date: 15-Sep-2015 11:33:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-6-B

Lab Sample ID: 460-100972-6

Client ID: WC-6

Operator ID:

ALS Bottle#:

23

Worklist Smp#:

23

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

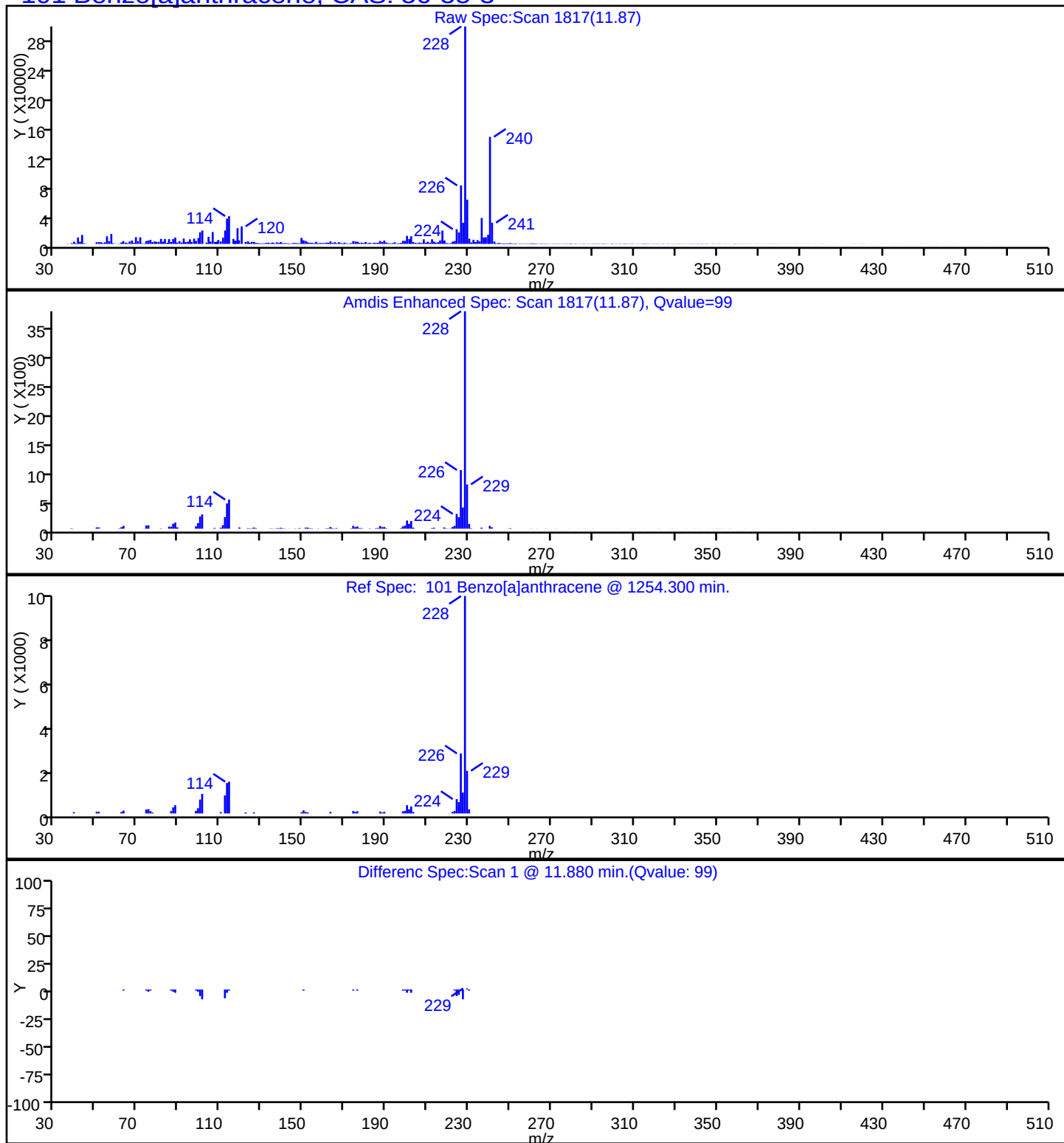
Limit Group:

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\\20150915-31763.b\\z36345.D

Injection Date: 15-Sep-2015 11:33:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-6-B

Lab Sample ID: 460-100972-6

Client ID: WC-6

Operator ID:

ALS Bottle#: 23

Worklist Smp#: 23

Injection Vol: 1.0 ul

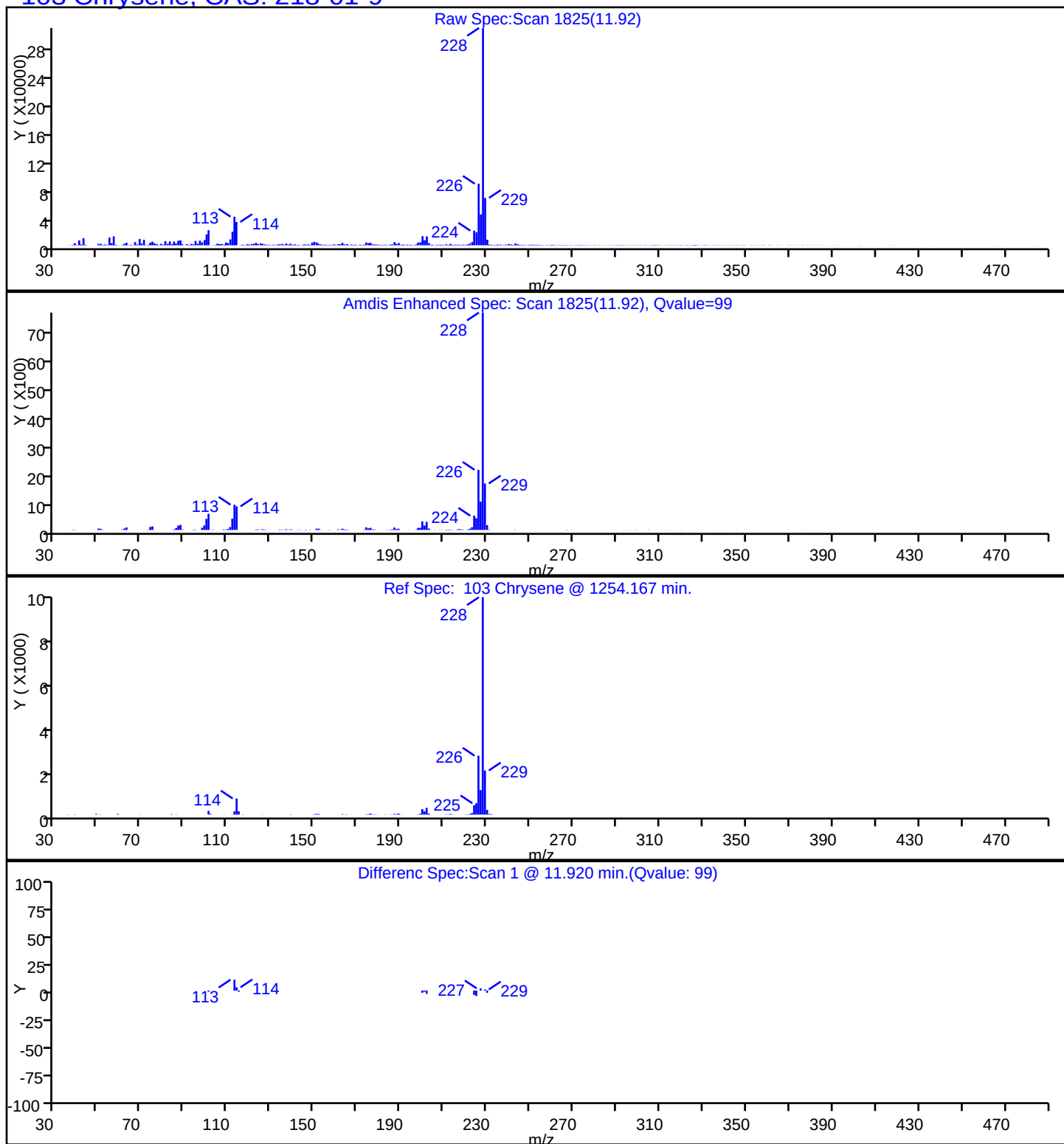
Dil. Factor: 1.0000

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\\20150915-31763.b\\z36345.D

Injection Date: 15-Sep-2015 11:33:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-6-B

Lab Sample ID: 460-100972-6

Client ID: WC-6

Operator ID:

ALS Bottle#: 23

Worklist Smp#: 23

Injection Vol: 1.0 ul

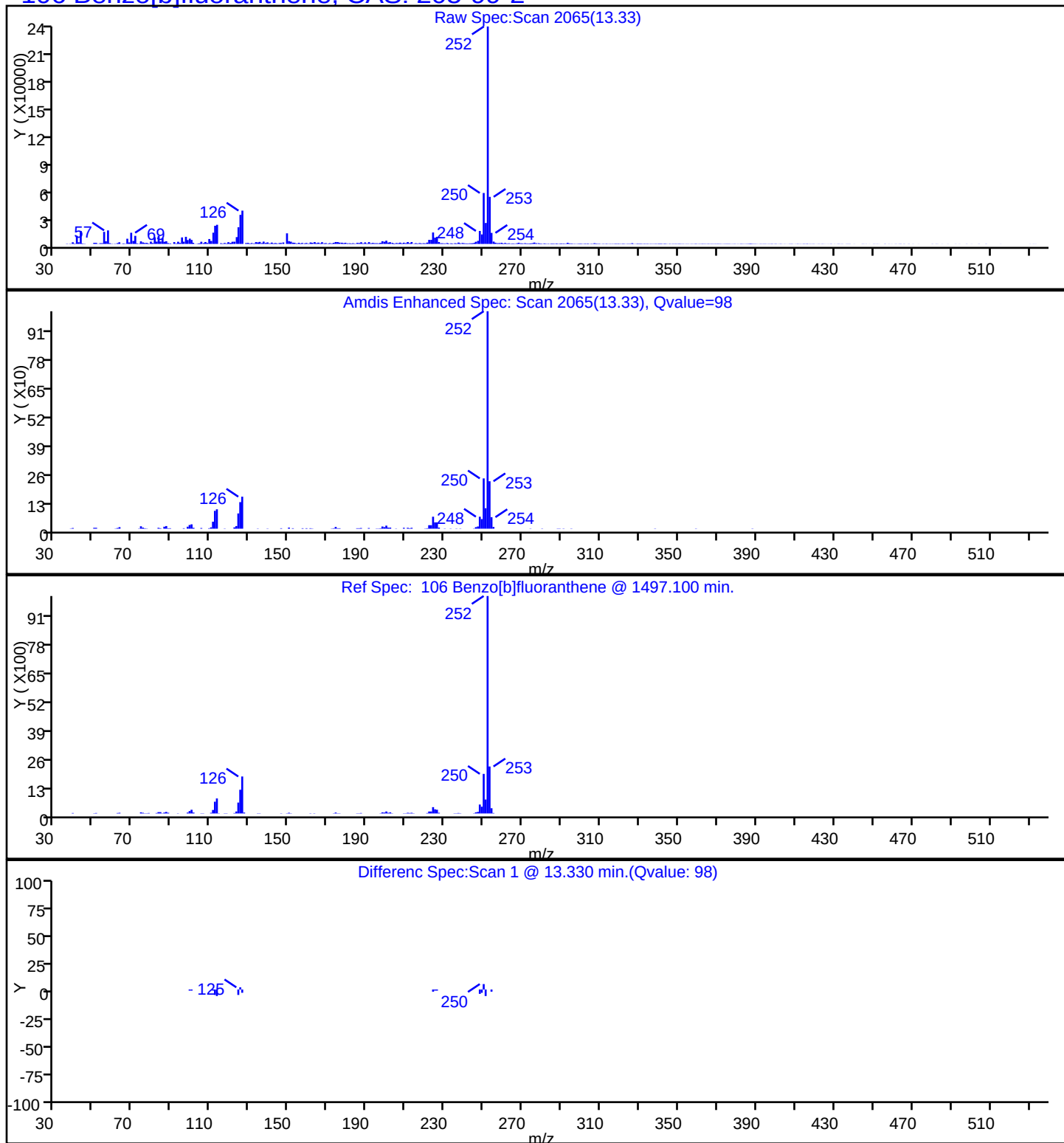
Dil. Factor: 1.0000

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\\20150915-31763.b\\z36345.D

Injection Date: 15-Sep-2015 11:33:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-6-B

Lab Sample ID: 460-100972-6

Client ID: WC-6

Operator ID:

ALS Bottle#: 23

Worklist Smp#: 23

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

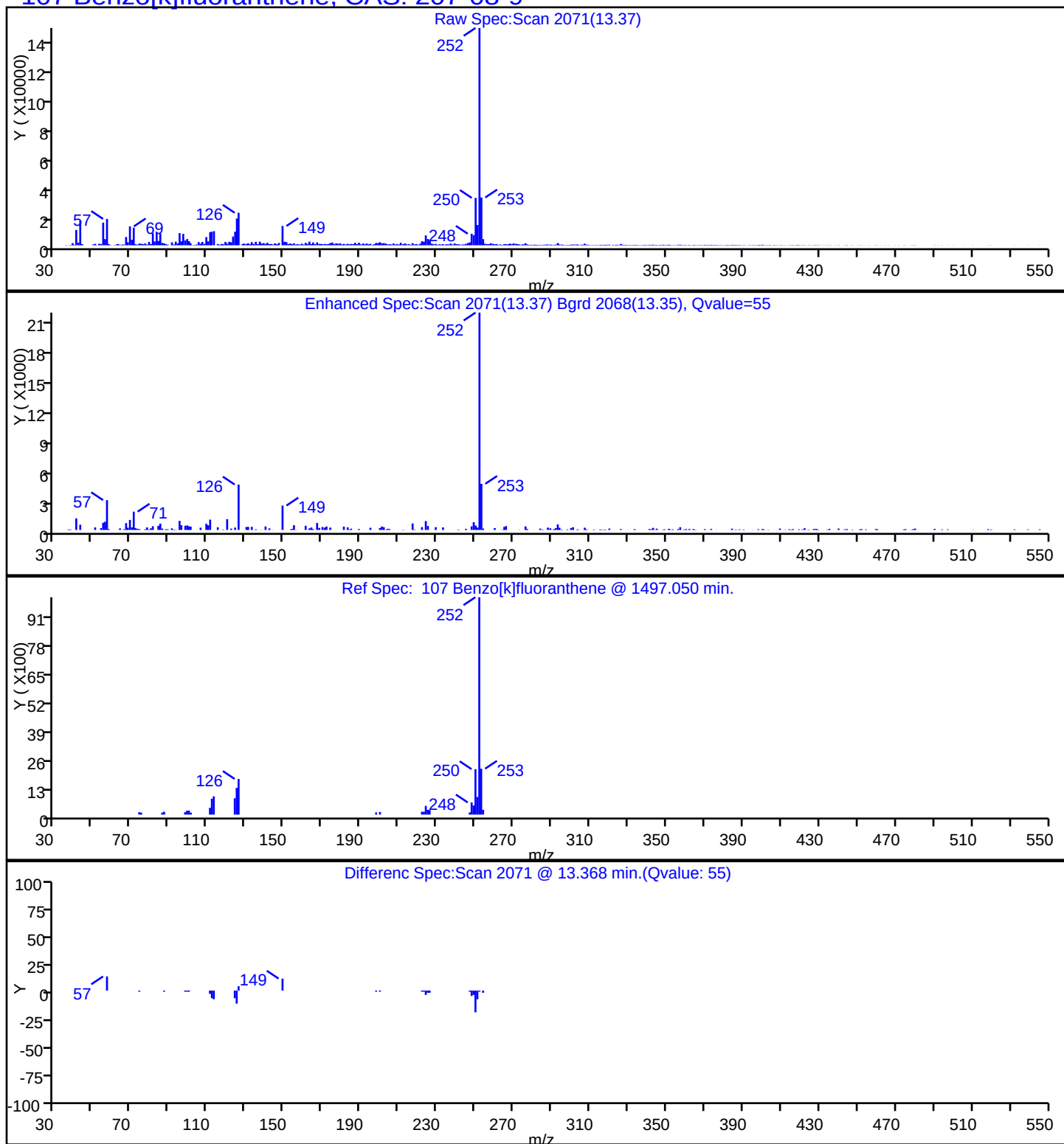
Method: 8270_11R_9

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\\20150915-31763.b\\z36345.D

Injection Date: 15-Sep-2015 11:33:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-6-B

Lab Sample ID: 460-100972-6

Client ID: WC-6

Operator ID:

ALS Bottle#:

23

Worklist Smp#:

23

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

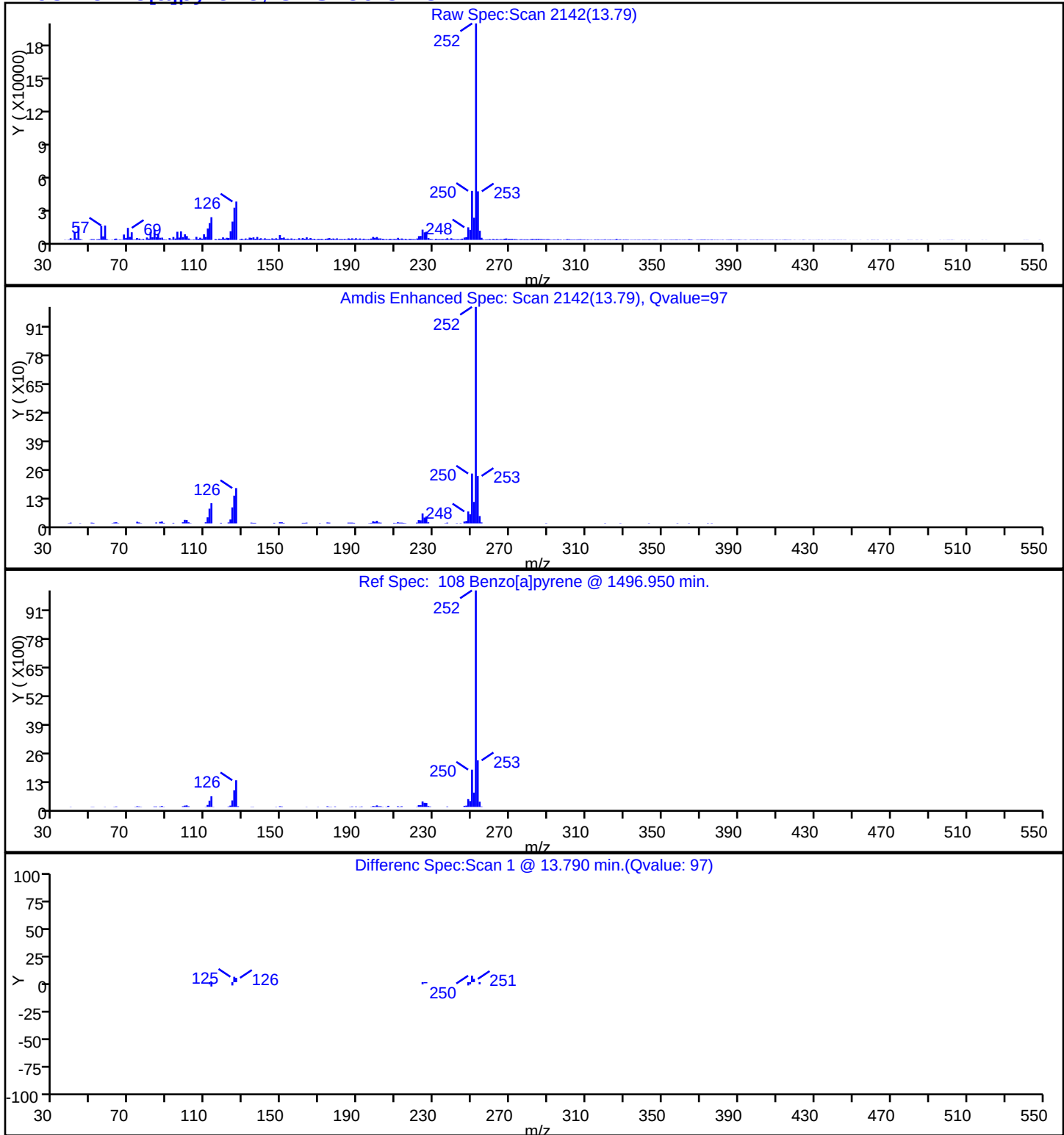
Limit Group:

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\20150915-31763.b\z36345.D

Injection Date: 15-Sep-2015 11:33:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-6-B

Lab Sample ID: 460-100972-6

Client ID: WC-6

Operator ID:

ALS Bottle#: 23

Worklist Smp#: 23

Injection Vol: 1.0 ul

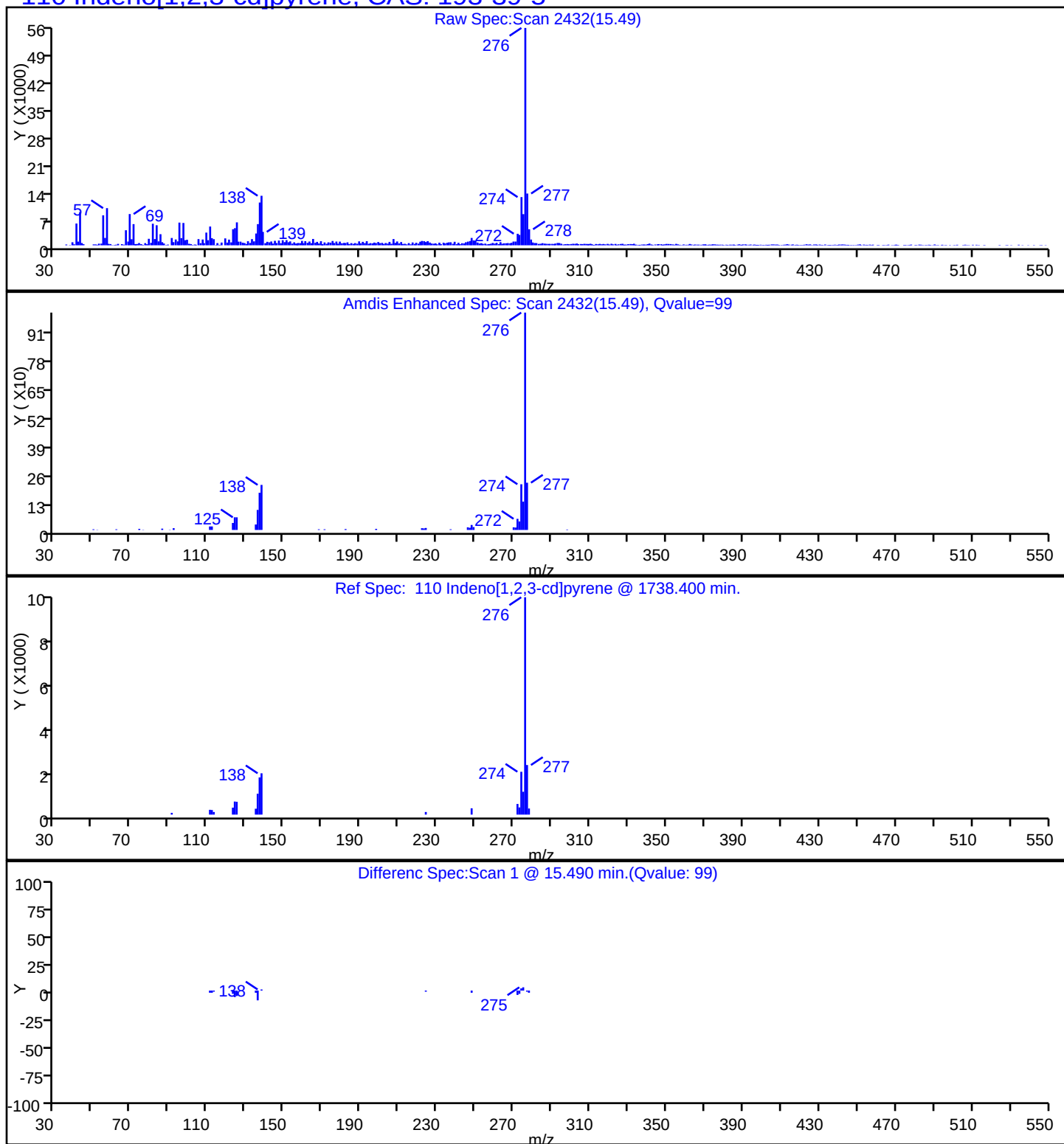
Dil. Factor: 1.0000

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\\20150915-31763.b\\z36345.D

Injection Date: 15-Sep-2015 11:33:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-6-B

Lab Sample ID: 460-100972-6

Client ID: WC-6

Operator ID:

ALS Bottle#:

23

Worklist Smp#:

23

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

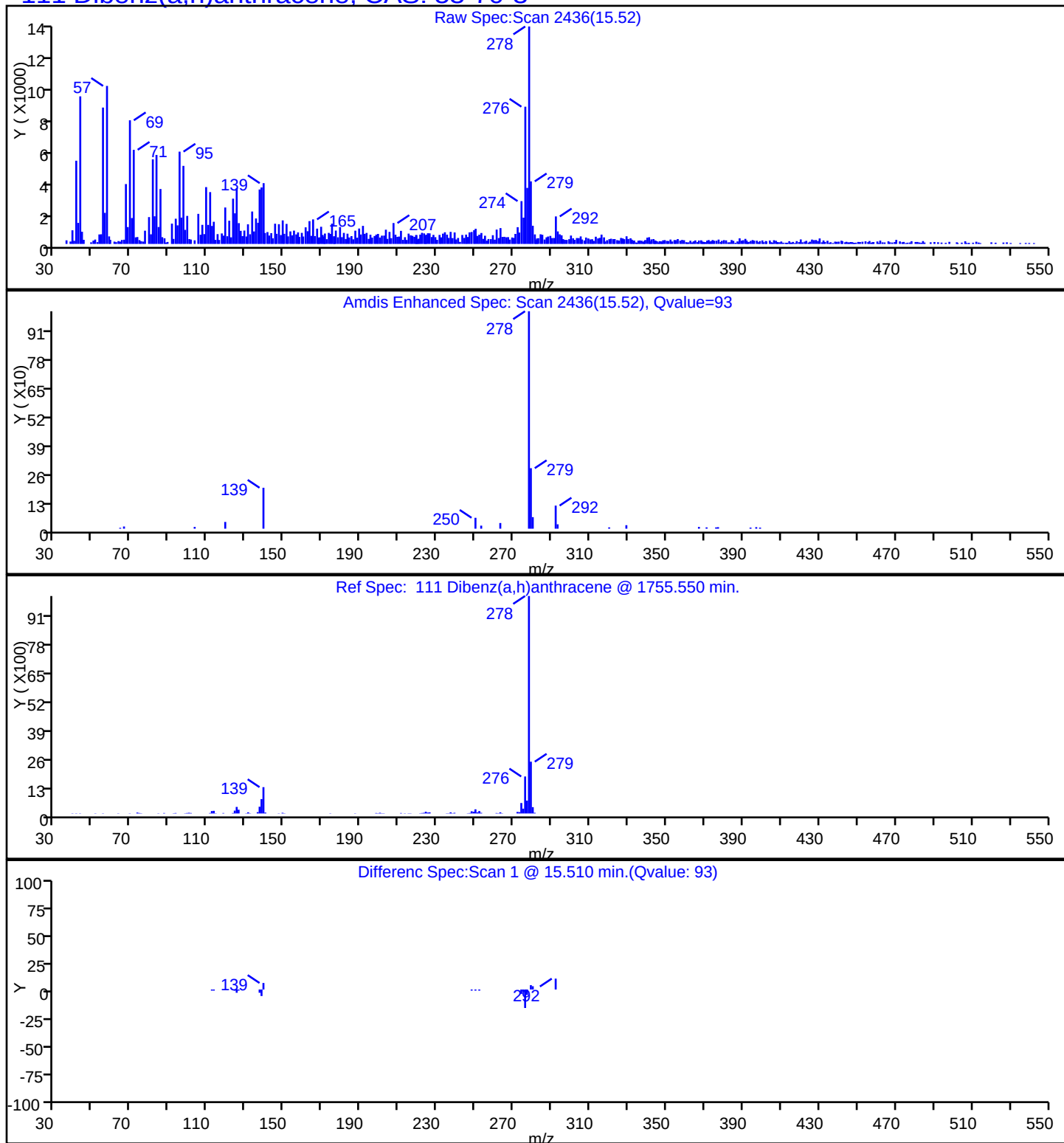
Limit Group:

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\20150915-31763.b\z36345.D

Injection Date: 15-Sep-2015 11:33:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-6-B

Lab Sample ID: 460-100972-6

Client ID: WC-6

Operator ID:

ALS Bottle#:

23

Worklist Smp#:

23

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

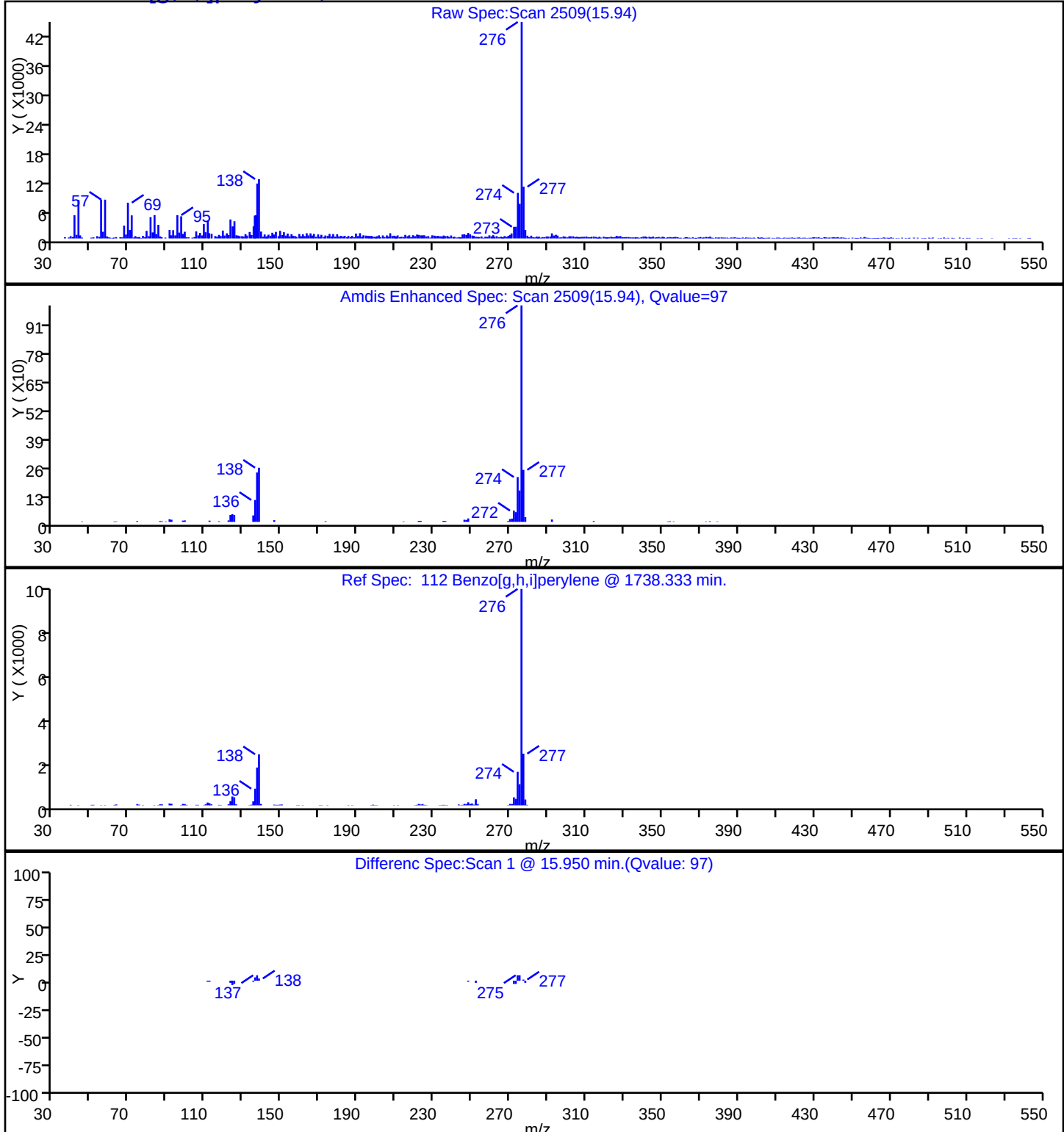
Limit Group:

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>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-7</u>	Lab Sample ID: <u>460-100972-7</u>
Matrix: <u>Solid</u>	Lab File ID: <u>x6430.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>09/11/2015 09:21</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>09/14/2015 08:46</u>
Sample wt/vol: <u>15.0372(g)</u>	Date Analyzed: <u>09/15/2015 15:03</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>18.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322397</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.34	J	2.0	0.051
91-57-6	2-Methylnaphthalene	0.17	J	2.0	0.045
208-96-8	Acenaphthylene	0.052	U	2.0	0.052
83-32-9	Acenaphthene	1.1	J	2.0	0.049
86-73-7	Fluorene	0.67	J	2.0	0.044
85-01-8	Phenanthrene	17		2.0	0.054
120-12-7	Anthracene	2.8		2.0	0.19
206-44-0	Fluoranthene	19		2.0	0.060
129-00-0	Pyrene	12		2.0	0.092
56-55-3	Benzo[a]anthracene	6.0		0.20	0.17
218-01-9	Chrysene	6.6		2.0	0.055
205-99-2	Benzo[b]fluoranthene	5.0		0.20	0.079
207-08-9	Benzo[k]fluoranthene	1.9		0.20	0.088
50-32-8	Benzo[a]pyrene	3.8		0.20	0.061
193-39-5	Indeno[1,2,3-cd]pyrene	4.2		0.20	0.13
53-70-3	Dibenz(a,h)anthracene	0.99		0.20	0.11
191-24-2	Benzo[g,h,i]perylene	3.6		2.0	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	61		30-130
1718-51-0	Terphenyl-d14	62		30-130
321-60-8	2-Fluorobiphenyl	71		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150915-31765.b\6430.D
 Lims ID: 460-100972-A-7-B Lab Sample ID: 460-100972-7
 Client ID: WC-7
 Sample Type: Client
 Inject. Date: 15-Sep-2015 15:03:30 ALS Bottle#: 30 Worklist Smp#: 30
 Injection Vol: 1.0 ul Dil. Factor: 5.0000
 Sample Info: 460-0031765-030
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20150915-31765.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 15-Sep-2015 23:18:22 Calib Date: 03-Sep-2015 07:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20150903-31423.b\6009.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: bayoumiw

Date: 15-Sep-2015 23:18:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	4.256	4.256	0.000	94	298931	40.0	
\$ 26 Nitrobenzene-d5	82	4.803	4.815	-0.012	87	48832	6.08	
* 38 Naphthalene-d8	136	5.533	5.538	-0.005	99	933555	40.0	
39 Naphthalene	128	5.550	5.556	-0.006	98	19637	0.8301	
44 2-Methylnaphthalene	142	6.250	6.250	0.000	83	6541	0.4256	
\$ 51 2-Fluorobiphenyl	172	6.615	6.615	0.000	98	95691	7.10	
* 65 Acenaphthene-d10	164	7.280	7.285	-0.005	92	393505	40.0	
67 Acenaphthene	154	7.309	7.315	-0.006	94	31939	2.82	
75 Fluorene	166	7.821	7.821	0.000	98	20280	1.66	
* 88 Phenanthrene-d10	188	8.744	8.738	0.006	98	472843	40.0	
89 Phenanthrene	178	8.762	8.762	0.000	97	558737	42.1	
90 Anthracene	178	8.815	8.815	0.000	98	92995	6.96	
93 Fluoranthene	202	9.932	9.932	0.000	98	535937	46.8	
95 Pyrene	202	10.156	10.156	0.000	97	400989	30.7	
\$ 96 Terphenyl-d14	244	10.309	10.309	0.000	98	56375	6.19	
101 Benzo[a]anthracene	228	11.473	11.468	0.005	98	136622	14.6	
* 102 Chrysene-d12	240	11.485	11.485	0.000	99	324618	40.0	
103 Chrysene	228	11.515	11.515	0.000	99	135451	16.2	
106 Benzo[b]fluoranthene	252	12.867	12.867	0.000	99	156993	12.4	
107 Benzo[k]fluoranthene	252	12.903	12.903	0.000	96	63328	4.58	
108 Benzo[a]pyrene	252	13.309	13.309	0.000	98	106349	9.35	
* 109 Perylene-d12	264	13.391	13.385	0.006	98	440415	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.879	14.879	0.000	99	82727	10.4	
111 Dibenz(a,h)anthracene	278	14.908	14.914	-0.006	31	20161	2.43	
112 Benzo[g,h,i]perylene	276	15.291	15.291	0.000	98	78480	8.83	

Reagents:

SM_ISTD_00092

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20150915-31765.b\\x6430.D

Injection Date: 15-Sep-2015 15:03:30

Instrument ID: CBNAMS5

Operator ID:

Lims ID: 460-100972-A-7-B

Lab Sample ID: 460-100972-7

Worklist Smp#: 30

Client ID: WC-7

Injection Vol: 1.0 ul

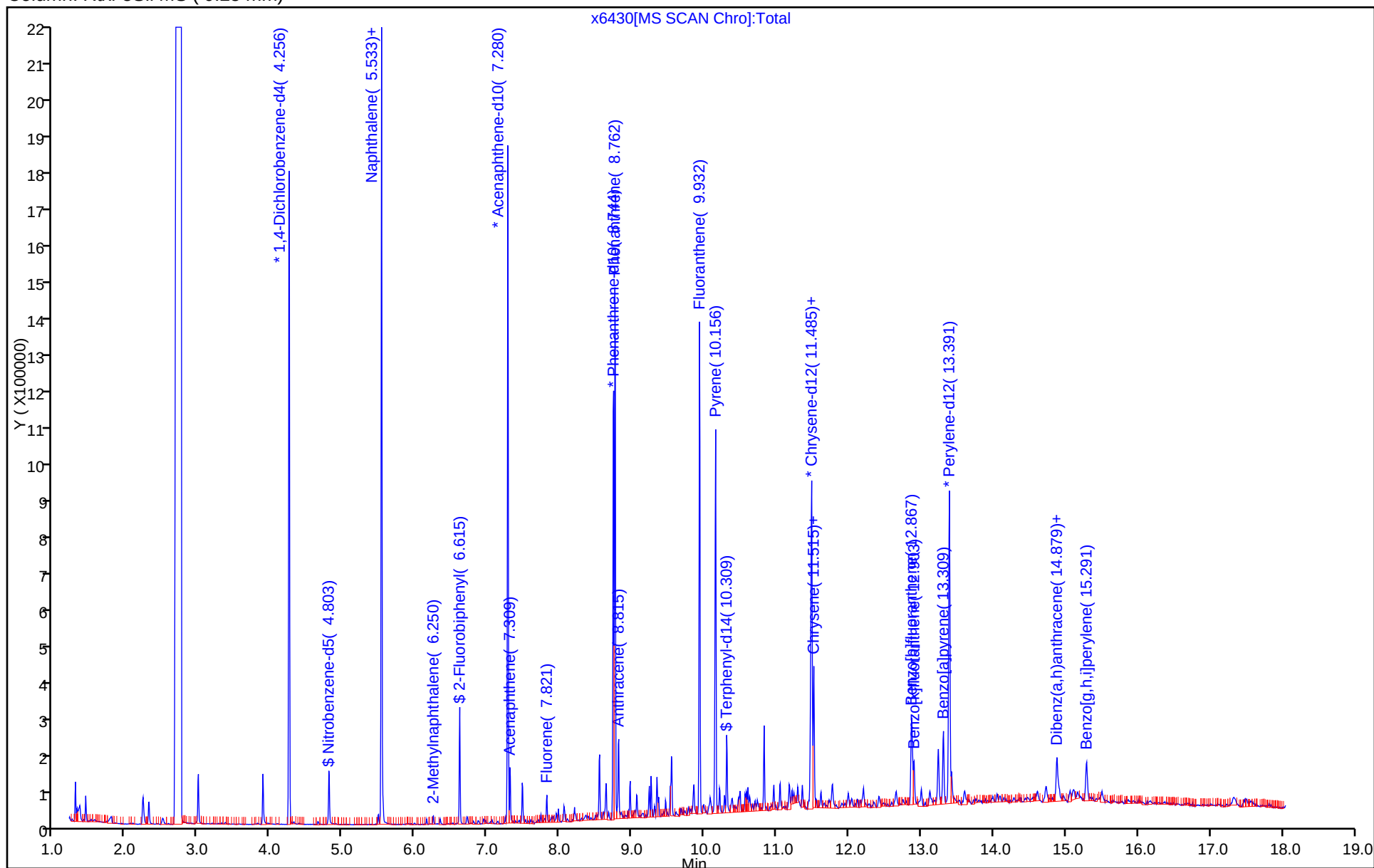
Dil. Factor: 5.0000

ALS Bottle#: 30

Method: 8270_5R

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20150915-31765.b\\x6430.D

Injection Date: 15-Sep-2015 15:03:30

Instrument ID: CBNAMS5

Lims ID: 460-100972-A-7-B

Lab Sample ID: 460-100972-7

Client ID: WC-7

Operator ID:

ALS Bottle#: 30

Worklist Smp#: 30

Injection Vol: 1.0 ul

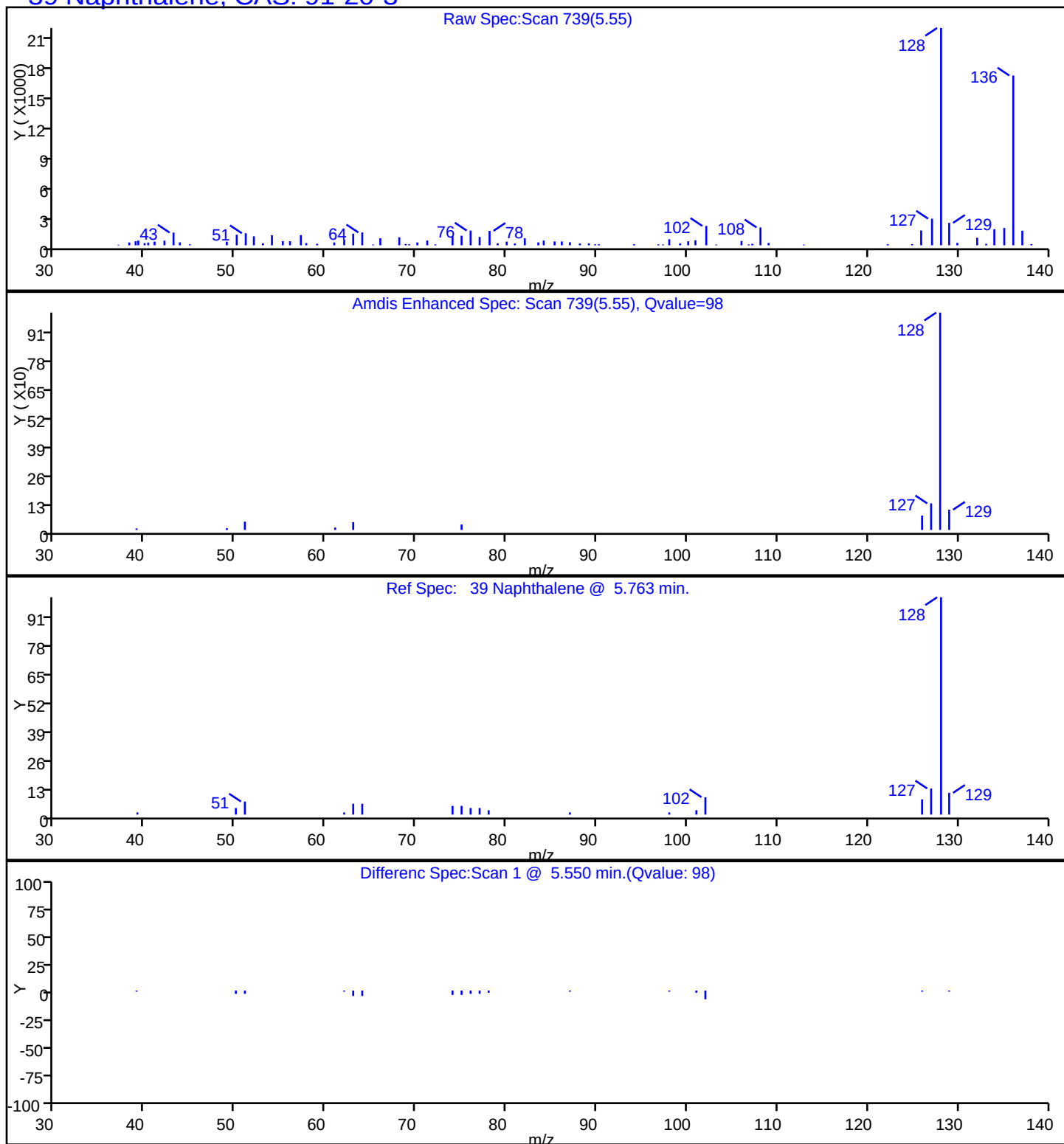
Dil. Factor: 5.0000

Method: 8270_5R

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\CBNAMS5\20150915-31765.b\6430.D

Injection Date: 15-Sep-2015 15:03:30

Instrument ID: CBNAMS5

Lims ID: 460-100972-A-7-B

Lab Sample ID: 460-100972-7

Client ID: WC-7

Operator ID:

ALS Bottle#: 30

Worklist Smp#: 30

Injection Vol: 1.0 ul

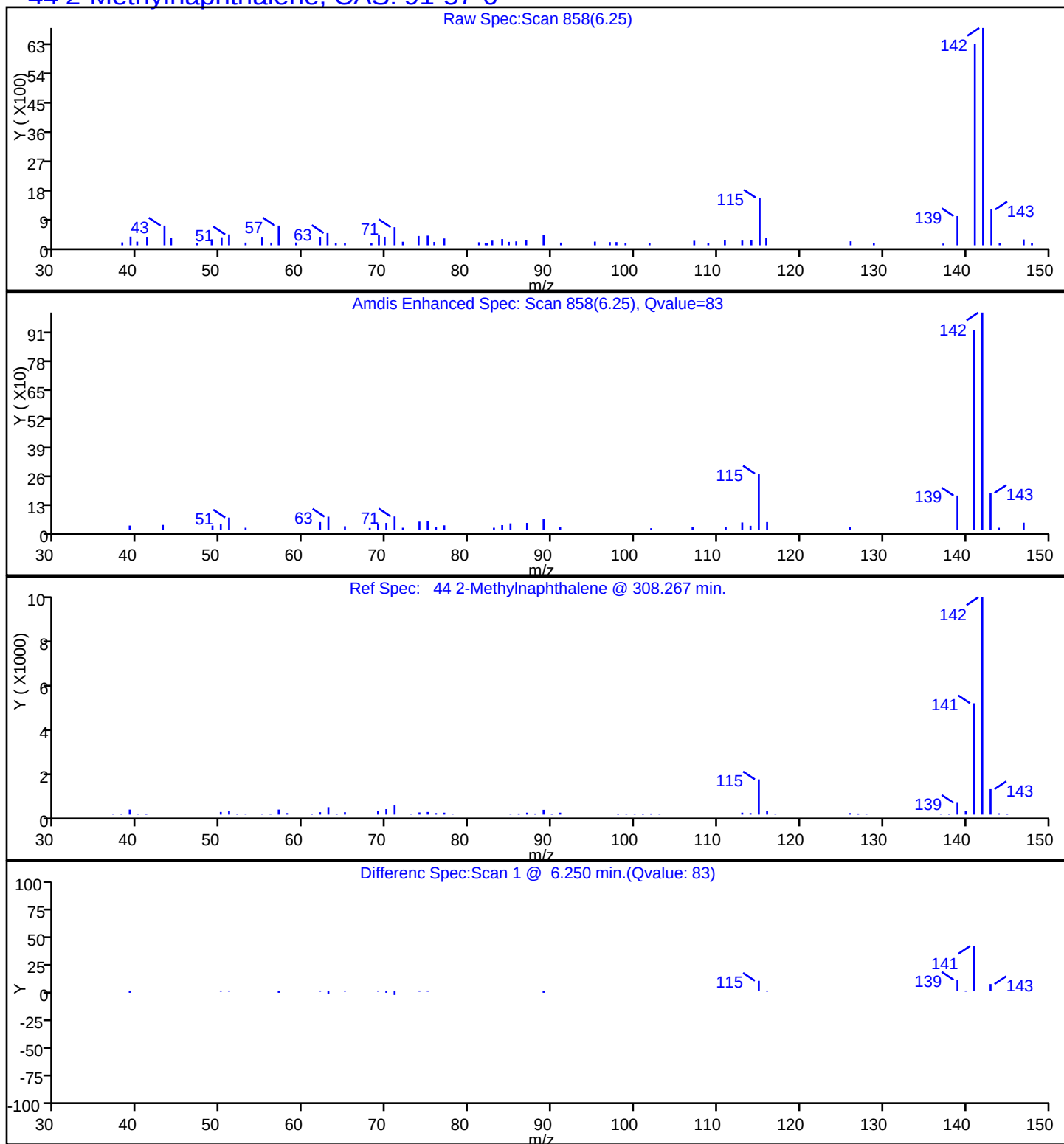
Dil. Factor: 5.0000

Method: 8270_5R

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\CBNAMS5\20150915-31765.b\6430.D

Injection Date: 15-Sep-2015 15:03:30

Instrument ID: CBNAMS5

Lims ID: 460-100972-A-7-B

Lab Sample ID: 460-100972-7

Client ID: WC-7

Operator ID:

ALS Bottle#: 30

Worklist Smp#: 30

Injection Vol: 1.0 ul

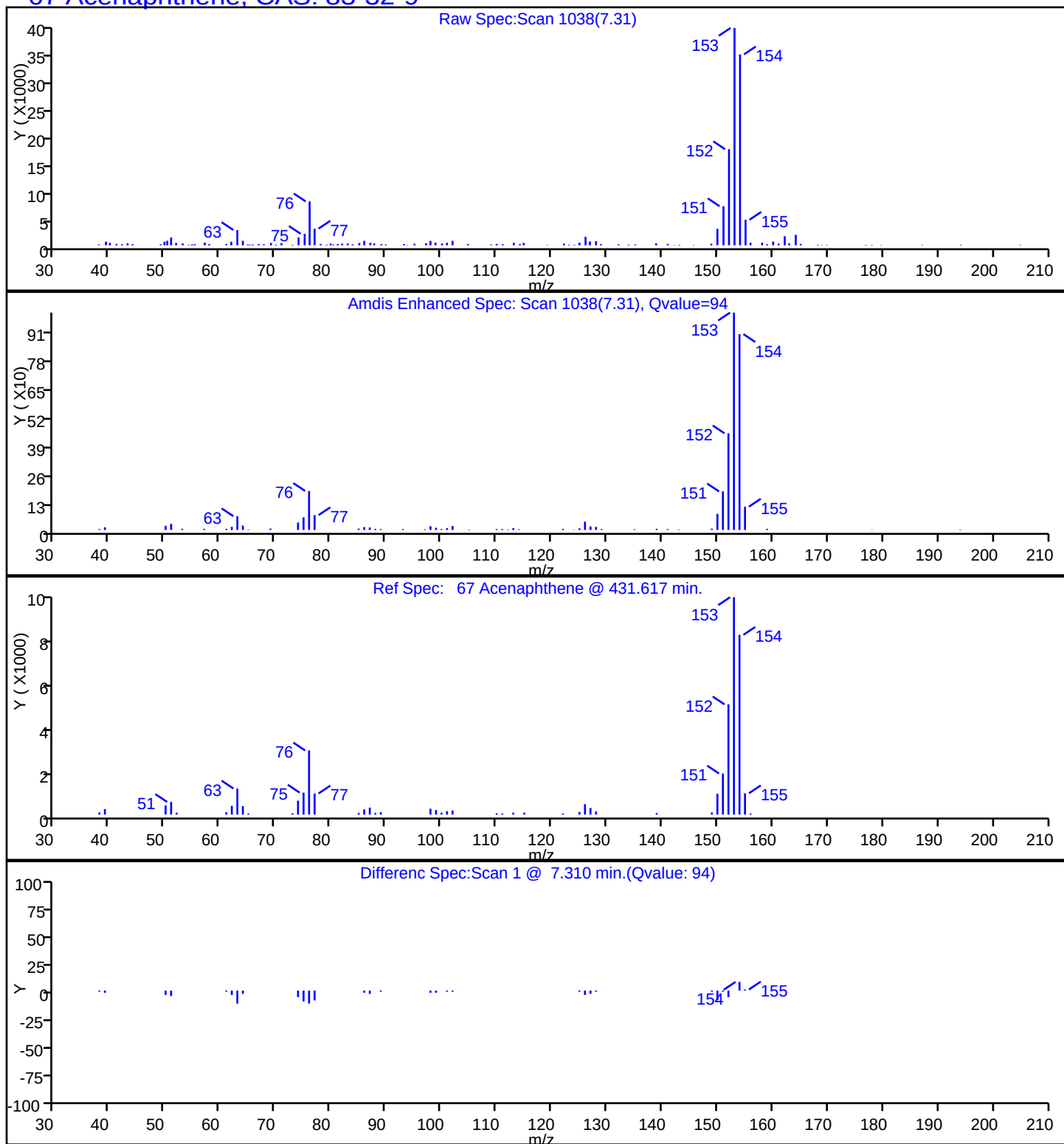
Dil. Factor: 5.0000

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\\20150915-31765.b\\x6430.D

Injection Date: 15-Sep-2015 15:03:30

Instrument ID: CBNAMS5

Lims ID: 460-100972-A-7-B

Lab Sample ID: 460-100972-7

Client ID: WC-7

Operator ID:

ALS Bottle#: 30

Worklist Smp#: 30

Injection Vol: 1.0 ul

Dil. Factor: 5.0000

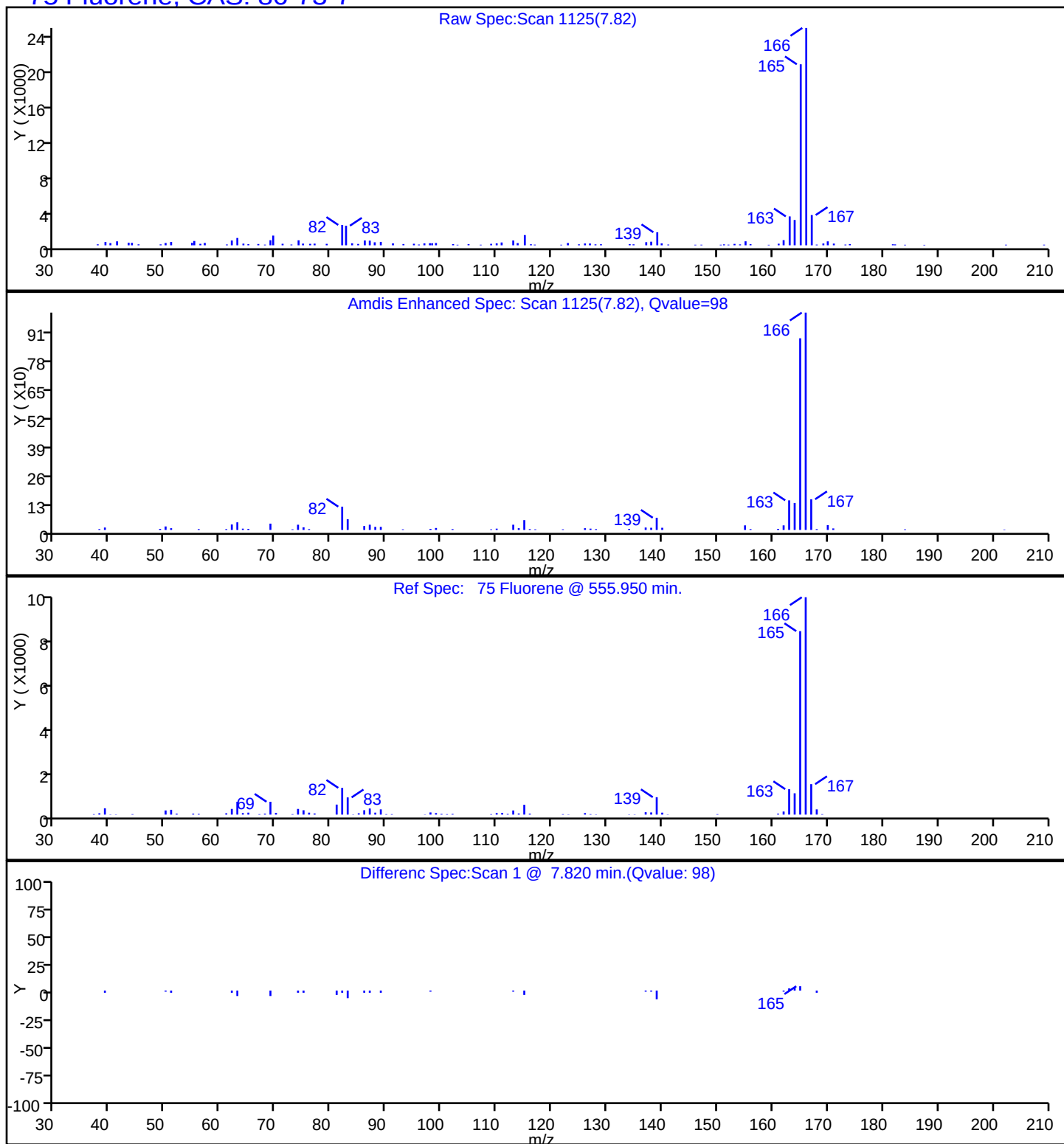
Method: 8270_5R

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\\20150915-31765.b\\x6430.D

Injection Date: 15-Sep-2015 15:03:30

Instrument ID: CBNAMS5

Lims ID: 460-100972-A-7-B

Lab Sample ID: 460-100972-7

Client ID: WC-7

Operator ID:

ALS Bottle#:

30

Worklist Smp#:

30

Injection Vol: 1.0 ul

Dil. Factor:

5.0000

Method: 8270_5R

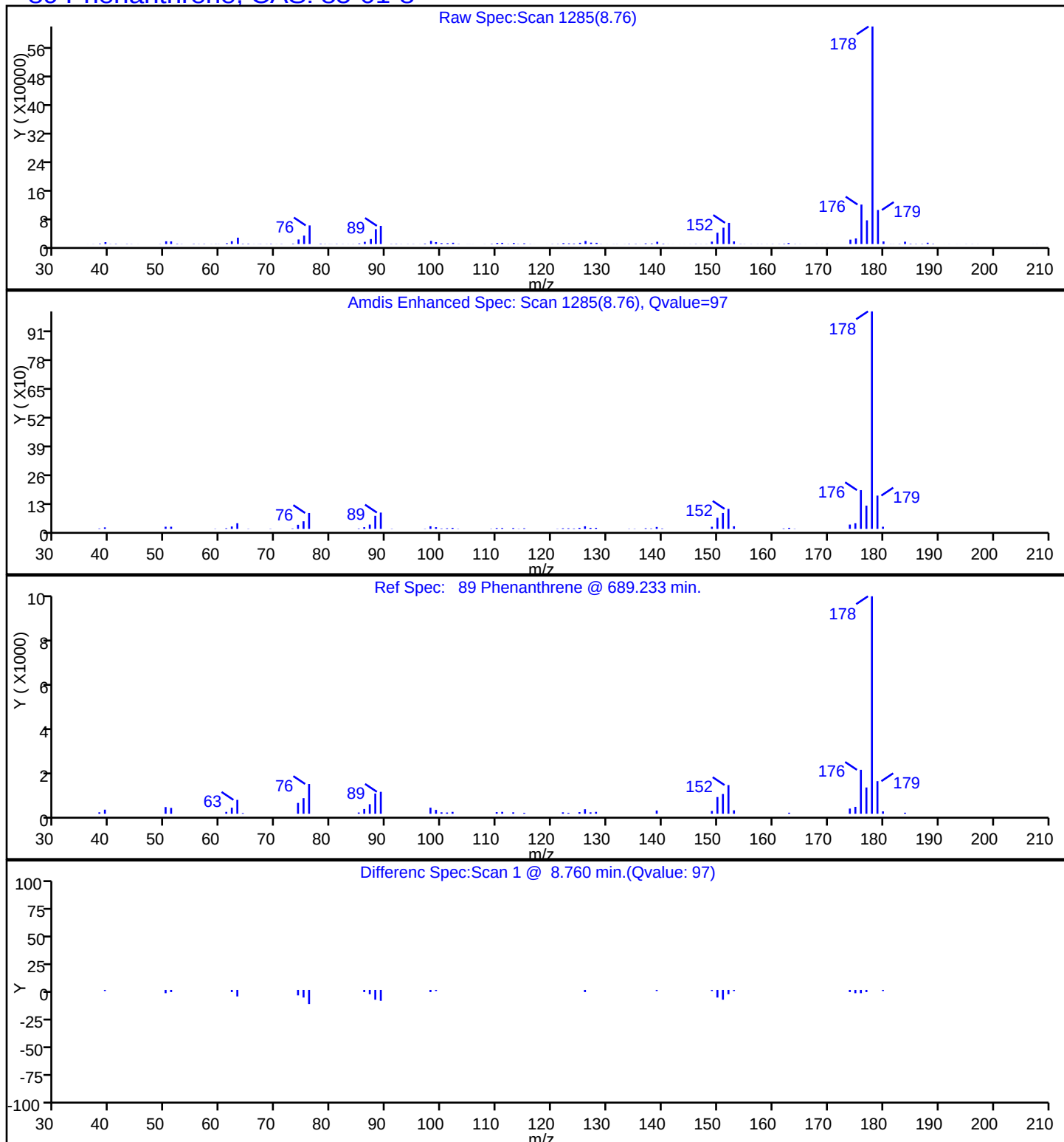
Limit Group:

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\20150915-31765.b\6430.D

Injection Date: 15-Sep-2015 15:03:30

Instrument ID: CBNAMS5

Lims ID: 460-100972-A-7-B

Lab Sample ID: 460-100972-7

Client ID: WC-7

Operator ID:

ALS Bottle#: 30

Worklist Smp#: 30

Injection Vol: 1.0 ul

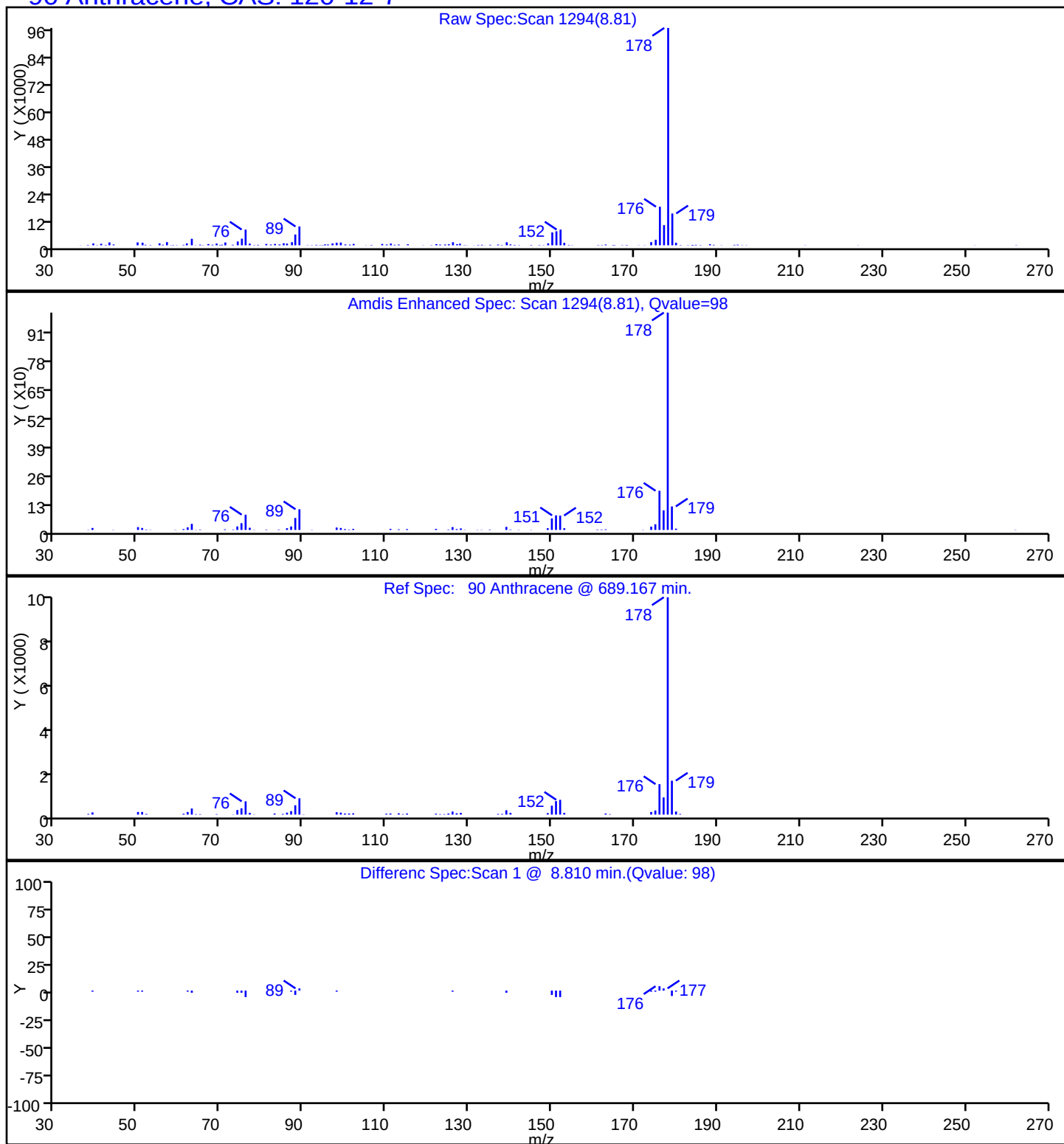
Dil. Factor: 5.0000

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\\20150915-31765.b\\x6430.D

Injection Date: 15-Sep-2015 15:03:30

Instrument ID: CBNAMS5

Lims ID: 460-100972-A-7-B

Lab Sample ID: 460-100972-7

Client ID: WC-7

Operator ID:

ALS Bottle#:

30

Worklist Smp#:

30

Injection Vol: 1.0 ul

Dil. Factor:

5.0000

Method: 8270_5R

Limit Group:

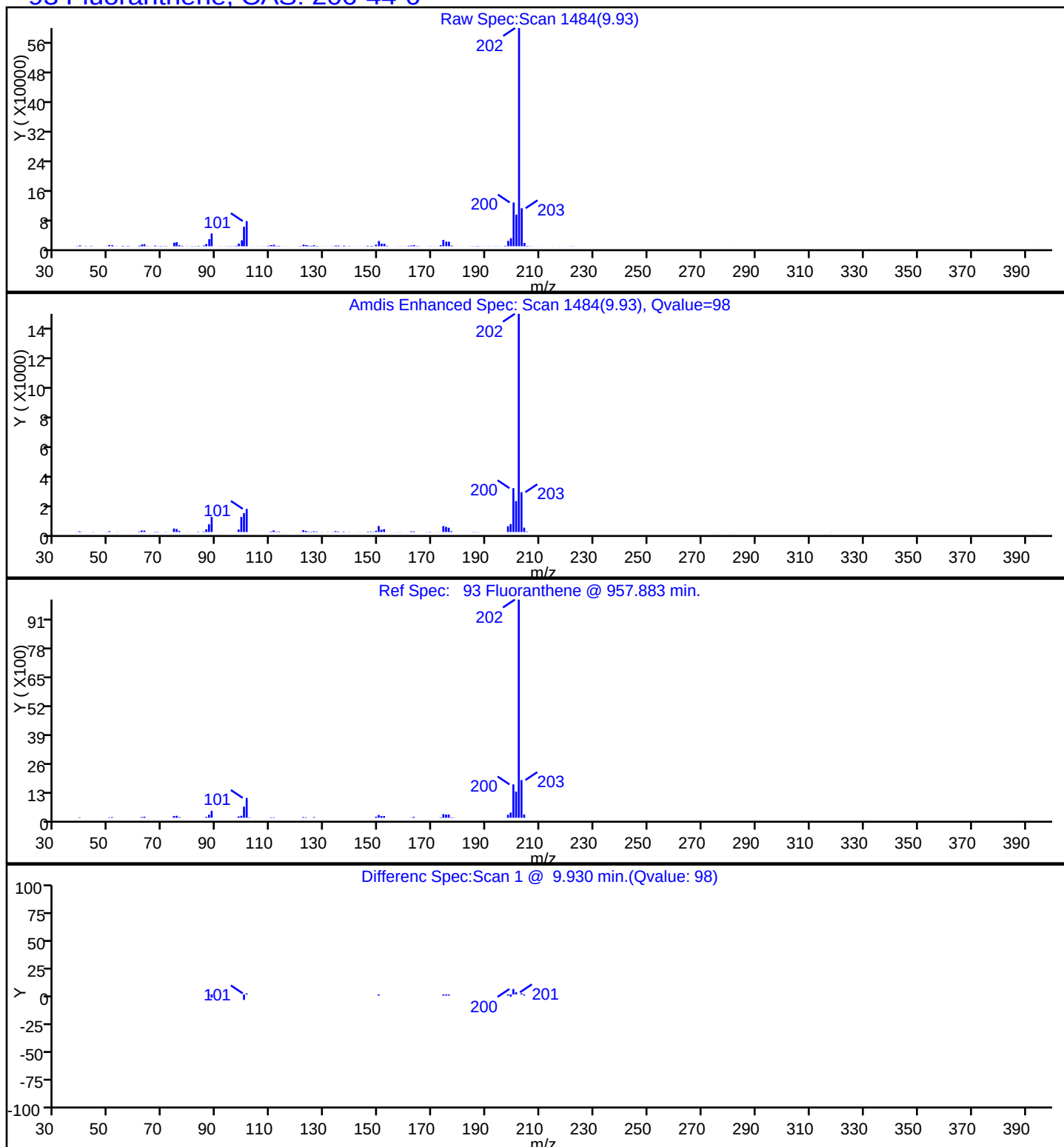
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

93 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS5\\20150915-31765.b\\x6430.D

Injection Date: 15-Sep-2015 15:03:30

Instrument ID: CBNAMS5

Lims ID: 460-100972-A-7-B

Lab Sample ID: 460-100972-7

Client ID: WC-7

Operator ID:

ALS Bottle#: 30

Worklist Smp#: 30

Injection Vol: 1.0 ul

Dil. Factor: 5.0000

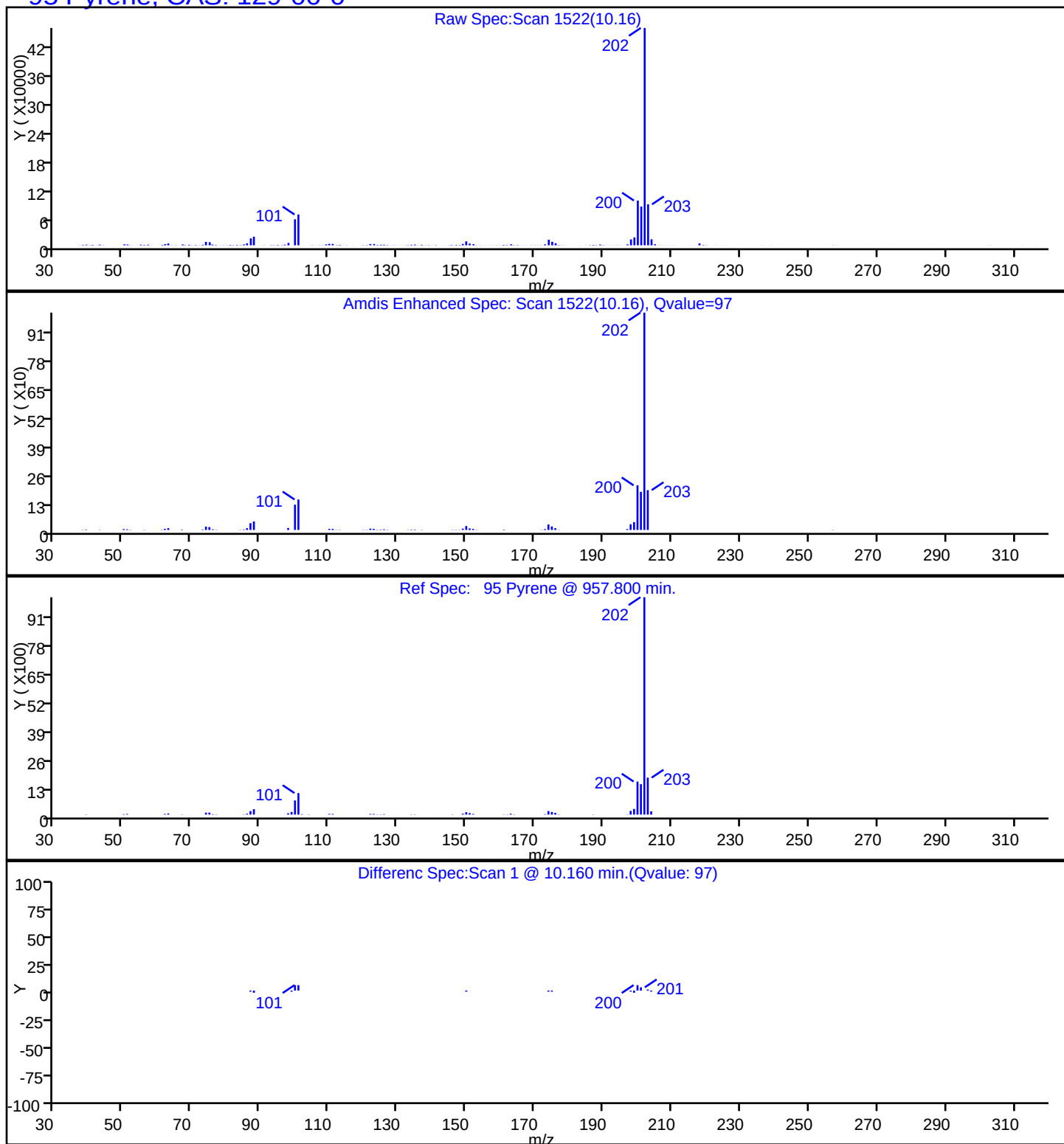
Method: 8270_5R

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\\20150915-31765.b\\x6430.D

Injection Date: 15-Sep-2015 15:03:30

Instrument ID: CBNAMS5

Lims ID: 460-100972-A-7-B

Lab Sample ID: 460-100972-7

Client ID: WC-7

Operator ID:

ALS Bottle#: 30

Worklist Smp#: 30

Injection Vol: 1.0 ul

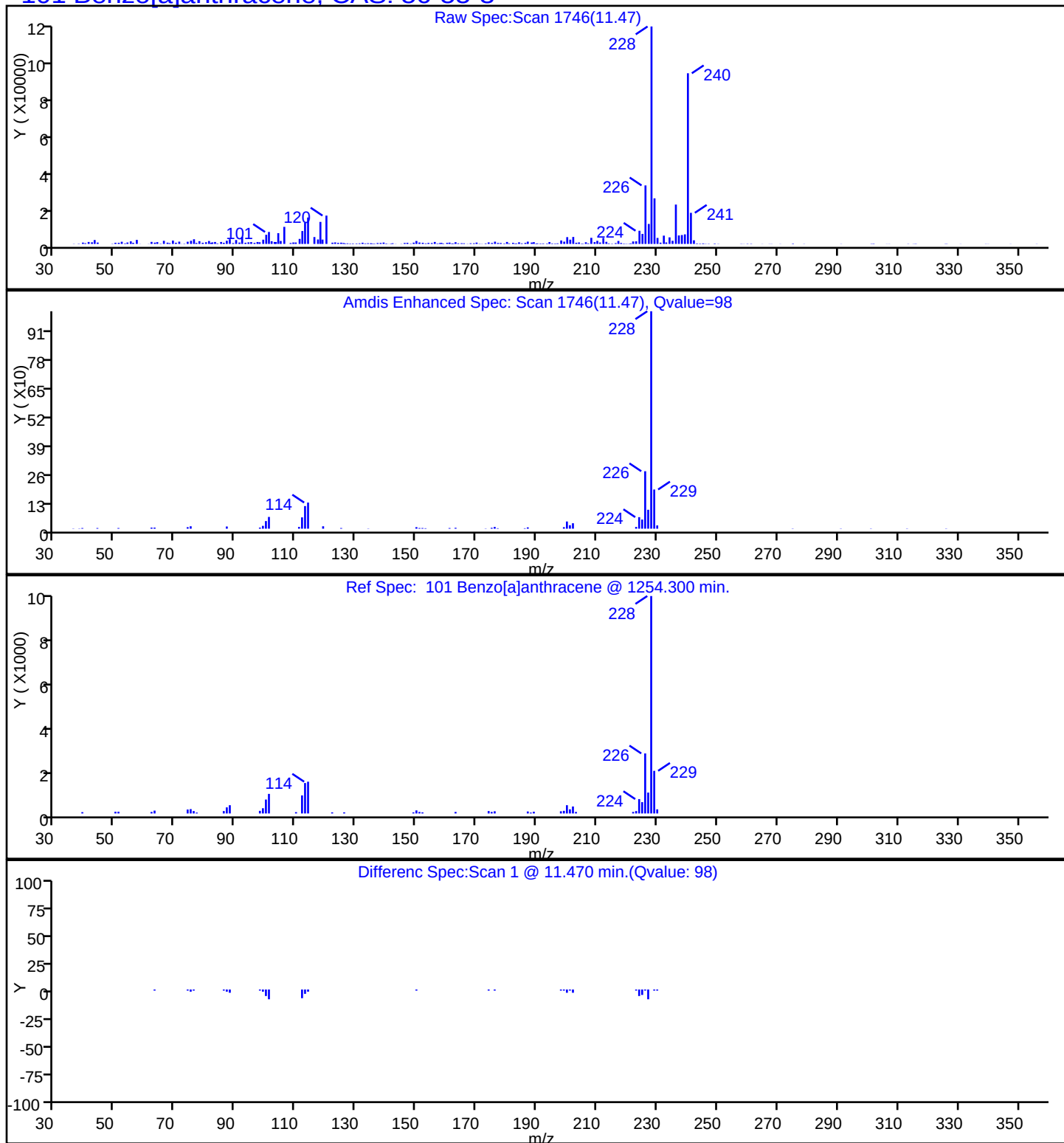
Dil. Factor: 5.0000

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\20150915-31765.b\6430.D

Injection Date: 15-Sep-2015 15:03:30

Instrument ID: CBNAMS5

Lims ID: 460-100972-A-7-B

Lab Sample ID: 460-100972-7

Client ID: WC-7

Operator ID:

ALS Bottle#:

30

Worklist Smp#:

30

Injection Vol: 1.0 ul

Dil. Factor:

5.0000

Method: 8270_5R

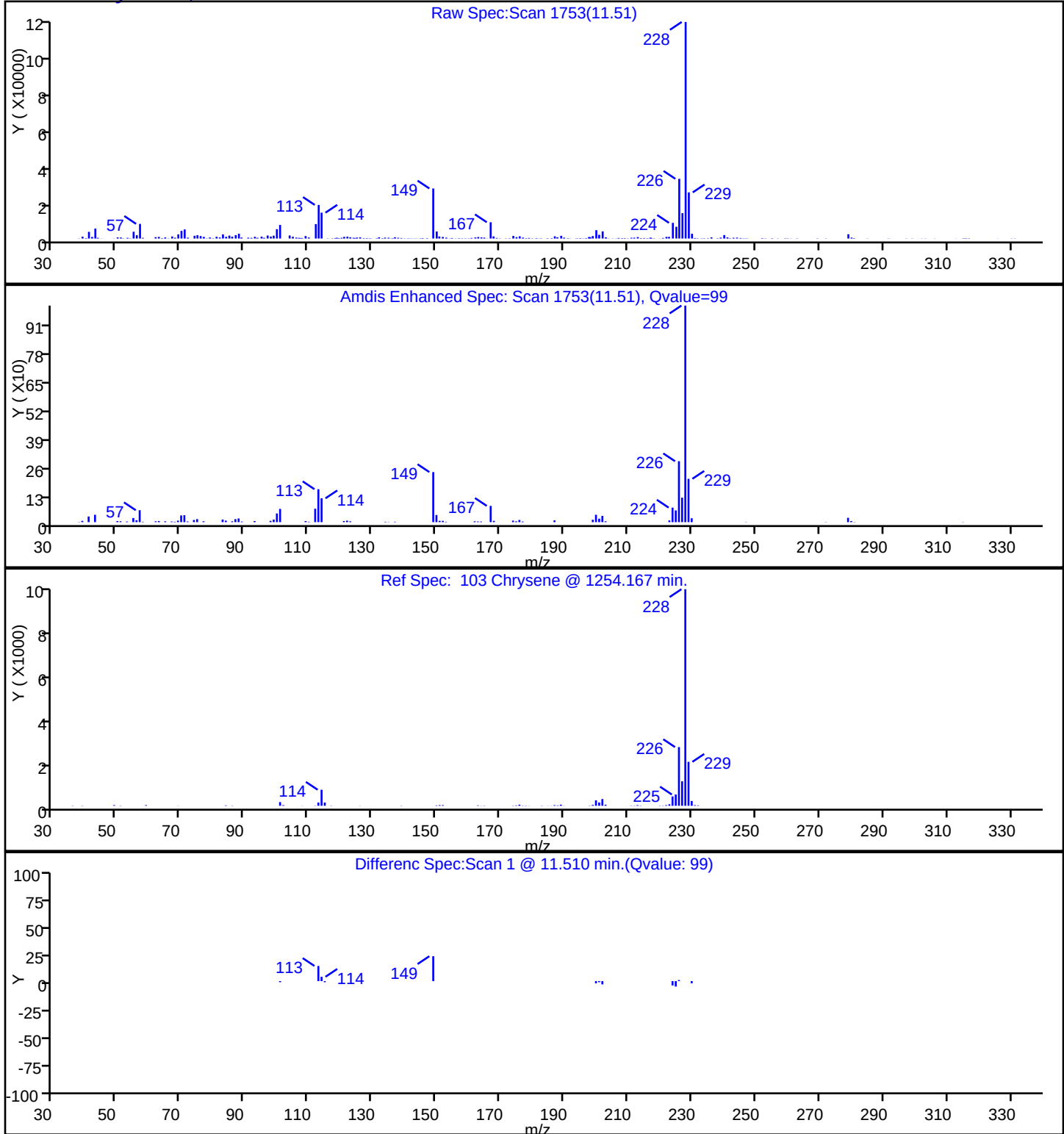
Limit Group:

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\20150915-31765.b\6430.D

Injection Date: 15-Sep-2015 15:03:30

Instrument ID: CBNAMS5

Lims ID: 460-100972-A-7-B

Lab Sample ID: 460-100972-7

Client ID: WC-7

Operator ID:

ALS Bottle#: 30

Worklist Smp#: 30

Injection Vol: 1.0 ul

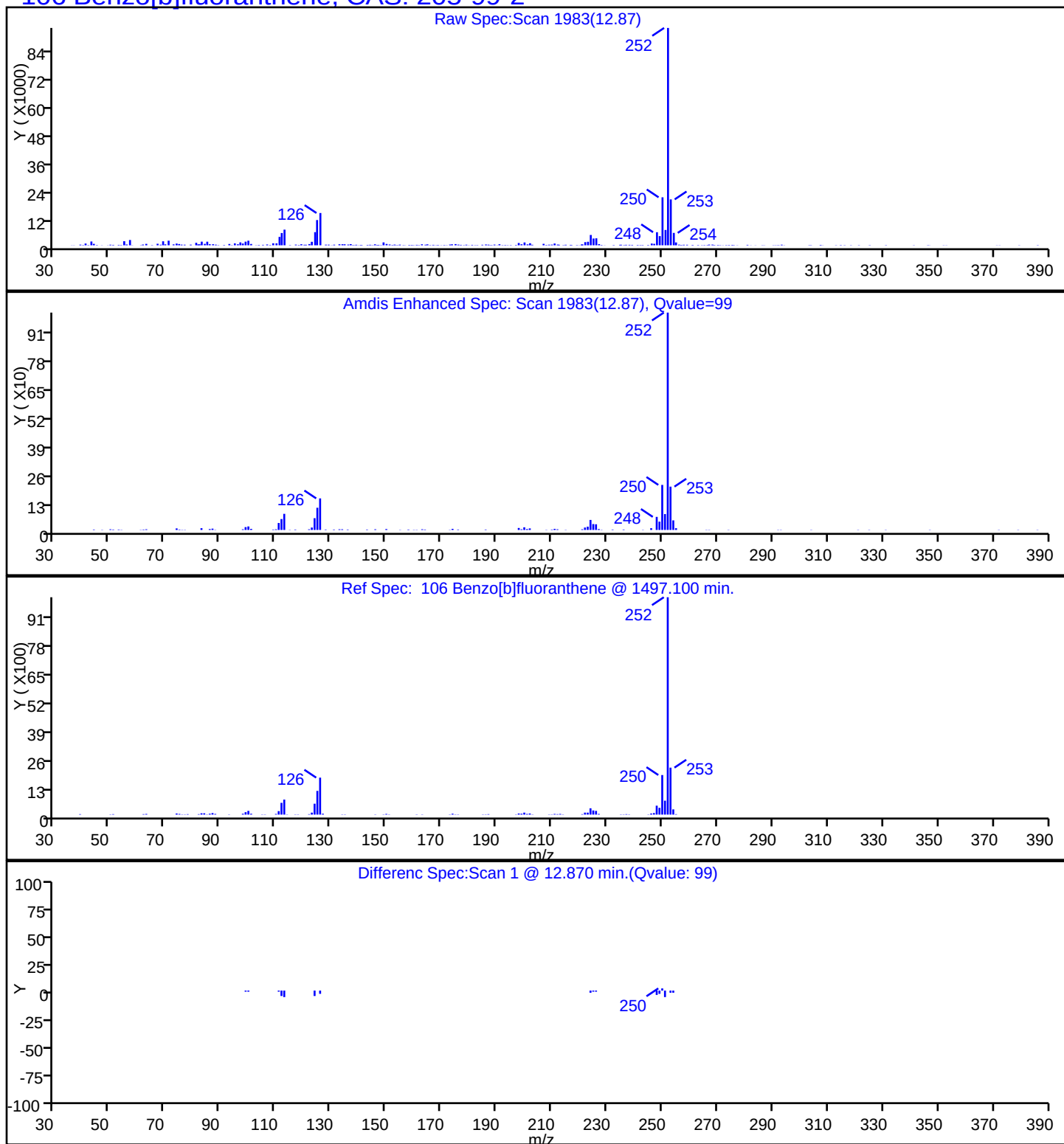
Dil. Factor: 5.0000

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\\20150915-31765.b\\x6430.D

Injection Date: 15-Sep-2015 15:03:30

Instrument ID: CBNAMS5

Lims ID: 460-100972-A-7-B

Lab Sample ID: 460-100972-7

Client ID: WC-7

Operator ID:

ALS Bottle#:

30

Worklist Smp#:

30

Injection Vol: 1.0 ul

Dil. Factor:

5.0000

Method: 8270_5R

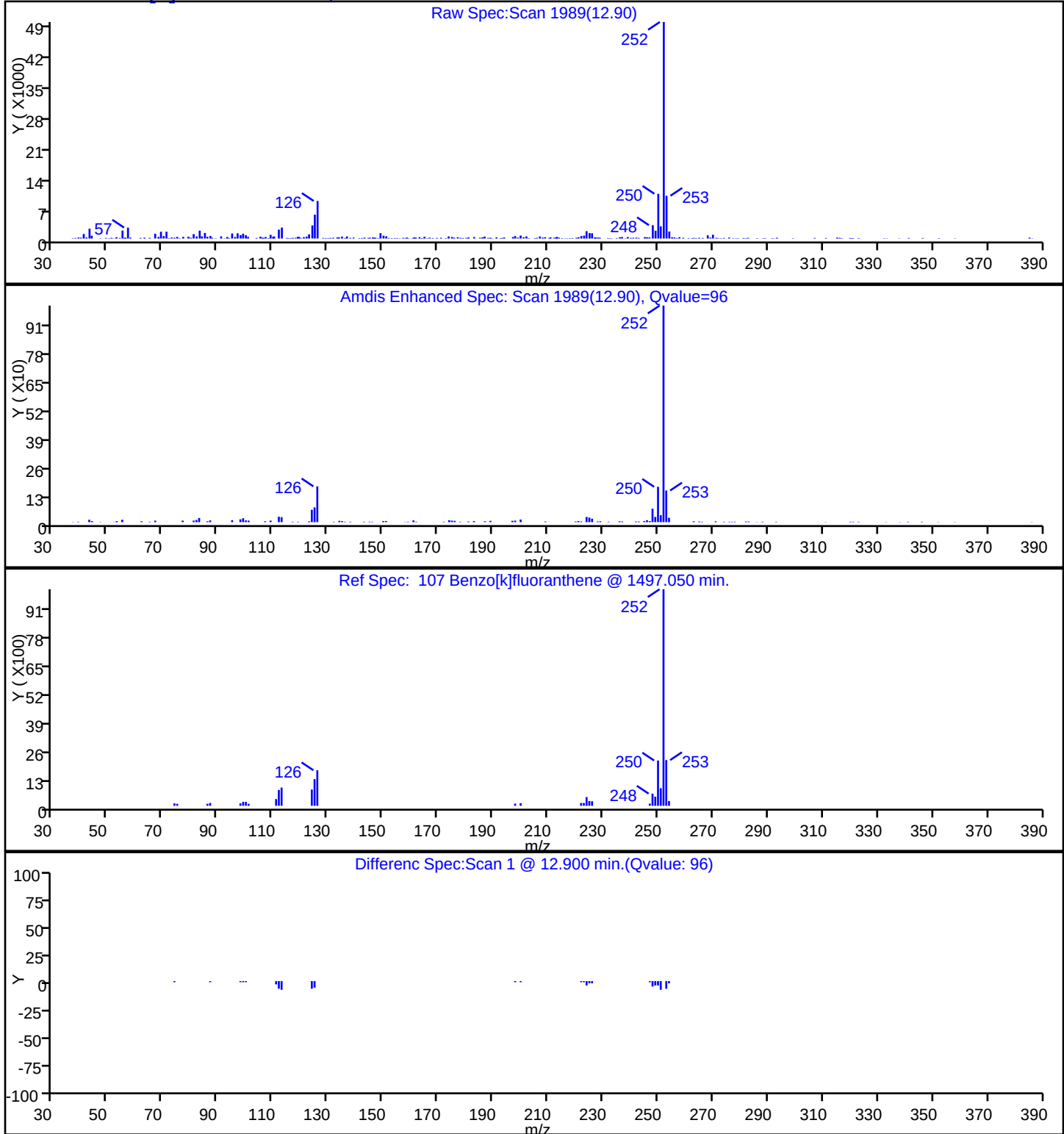
Limit Group:

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\20150915-31765.b\6430.D

Injection Date: 15-Sep-2015 15:03:30

Instrument ID: CBNAMS5

Lims ID: 460-100972-A-7-B

Lab Sample ID: 460-100972-7

Client ID: WC-7

Operator ID:

ALS Bottle#: 30

Worklist Smp#: 30

Injection Vol: 1.0 ul

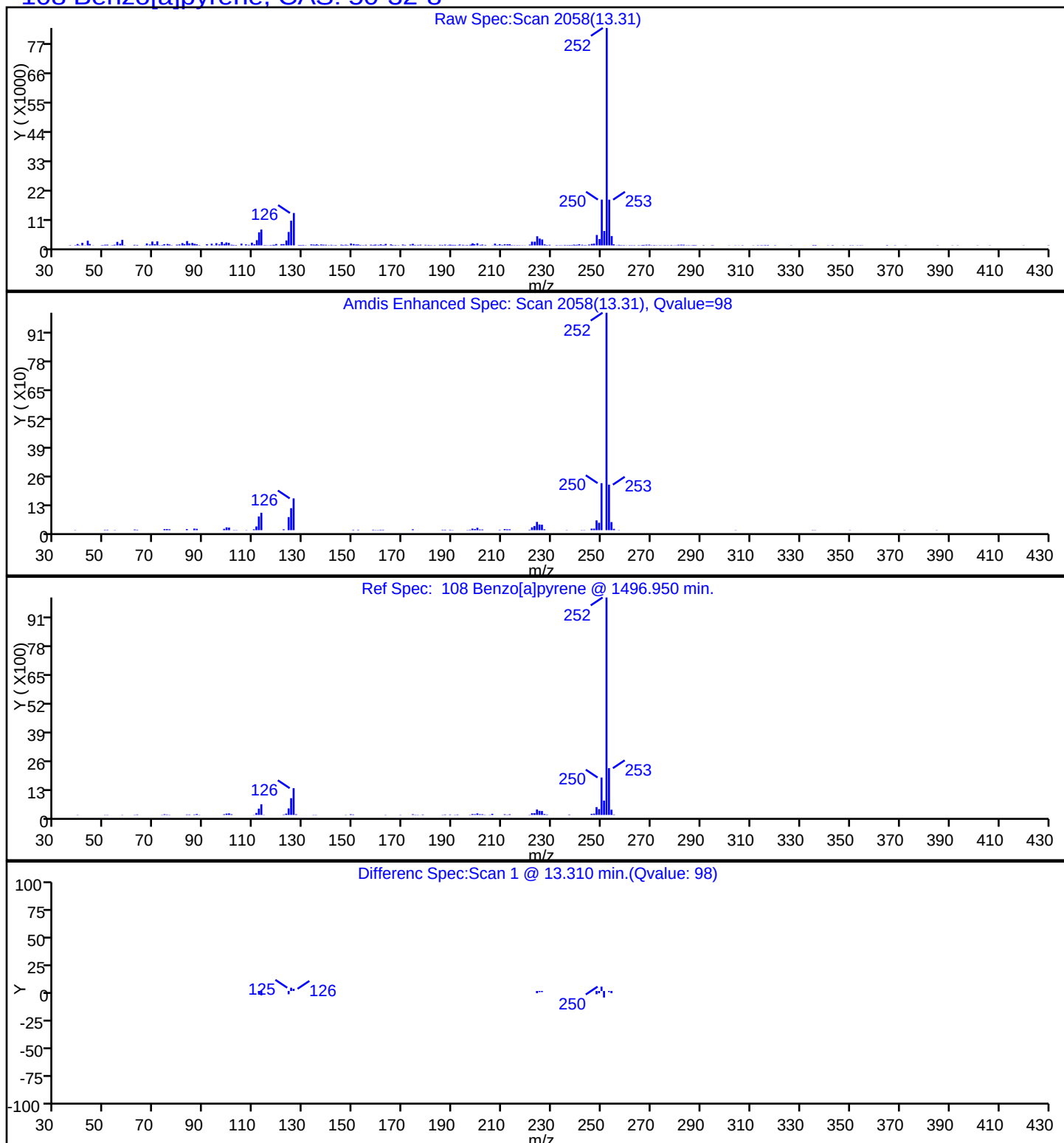
Dil. Factor: 5.0000

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\20150915-31765.b\6430.D

Injection Date: 15-Sep-2015 15:03:30

Instrument ID: CBNAMS5

Lims ID: 460-100972-A-7-B

Lab Sample ID: 460-100972-7

Client ID: WC-7

Operator ID:

ALS Bottle#: 30

Worklist Smp#: 30

Injection Vol: 1.0 ul

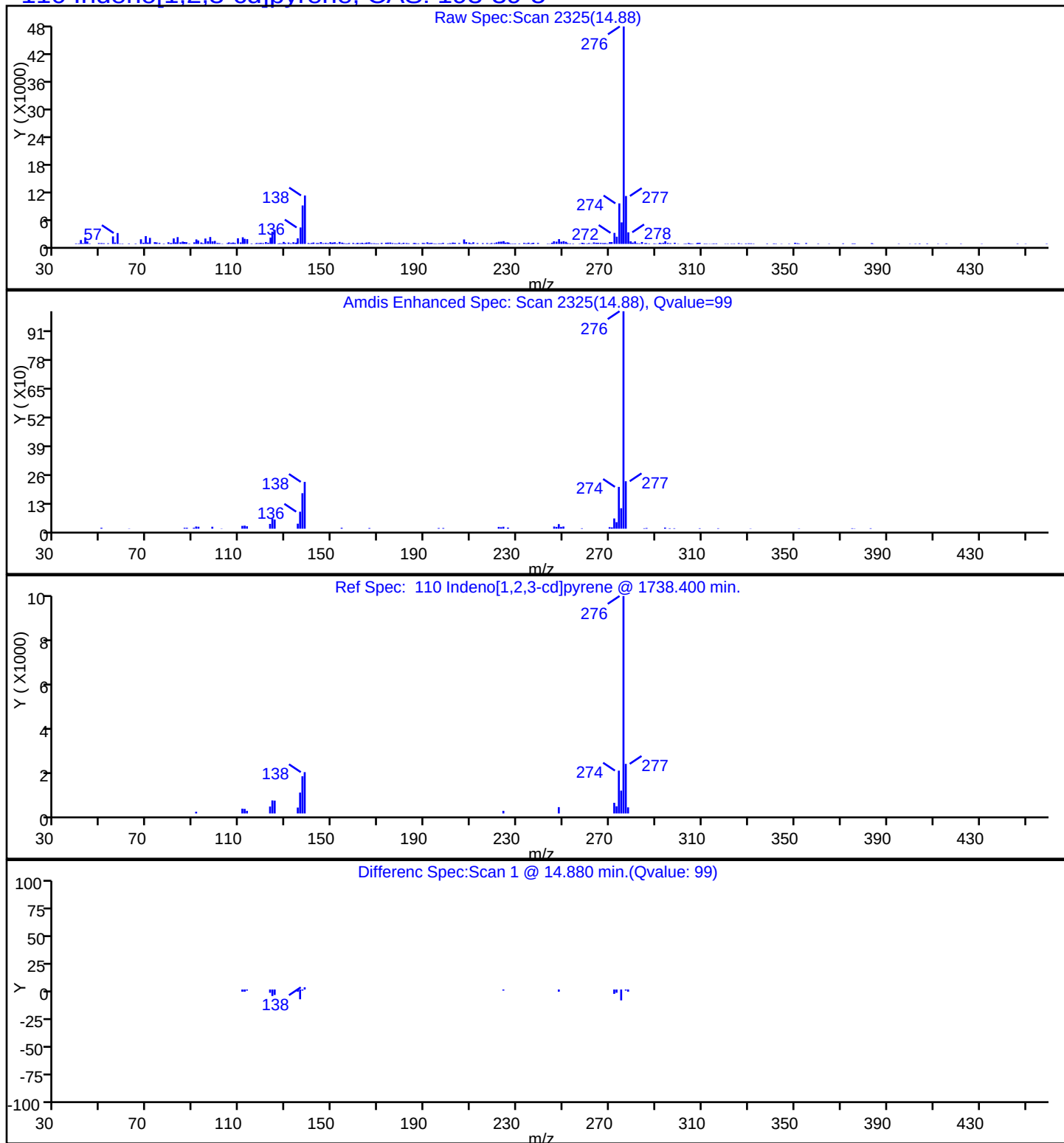
Dil. Factor: 5.0000

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\\20150915-31765.b\\x6430.D

Injection Date: 15-Sep-2015 15:03:30

Instrument ID: CBNAMS5

Lims ID: 460-100972-A-7-B

Lab Sample ID: 460-100972-7

Client ID: WC-7

Operator ID:

ALS Bottle#:

30

Worklist Smp#:

30

Injection Vol: 1.0 ul

Dil. Factor:

5.0000

Method: 8270_5R

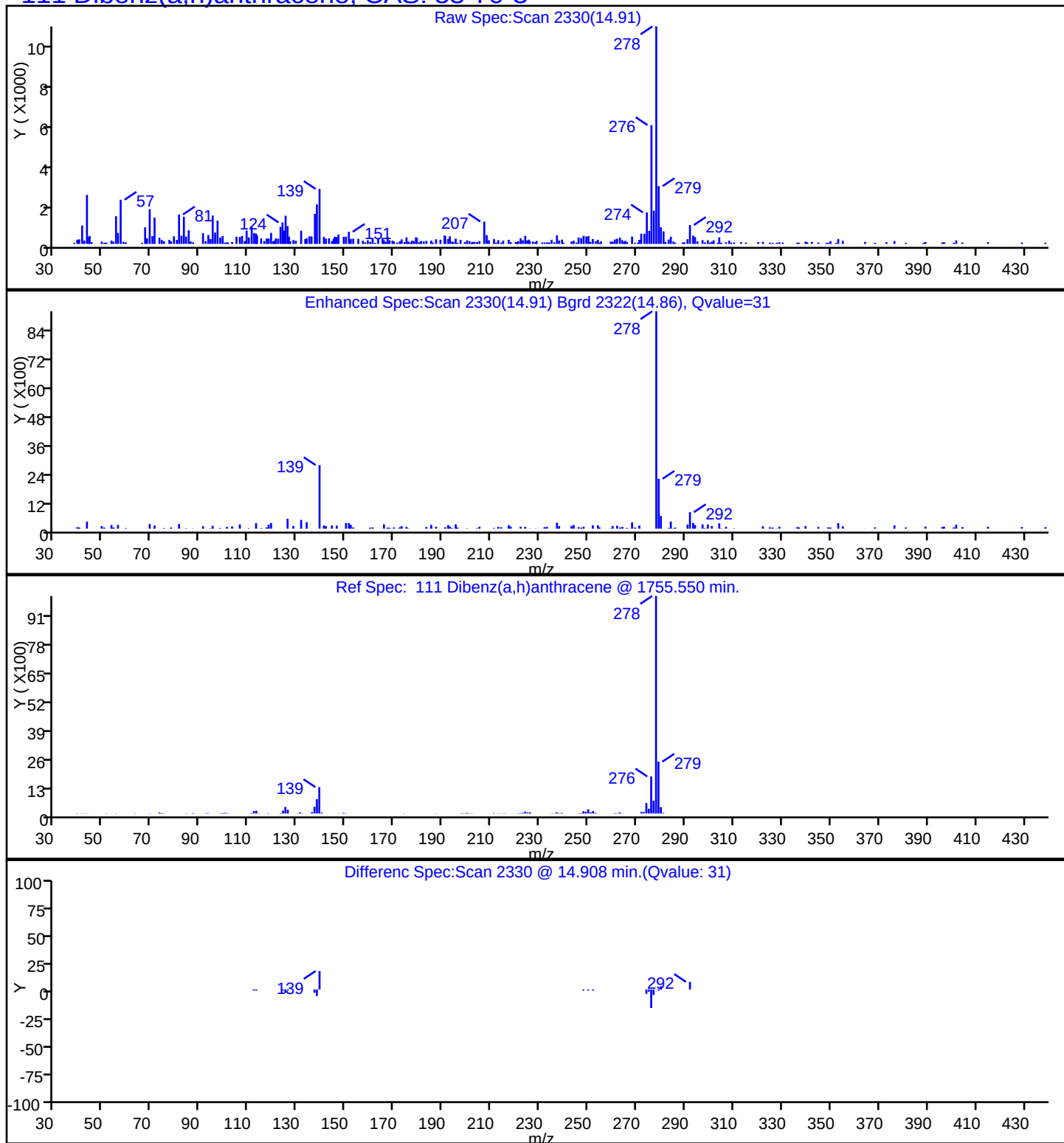
Limit Group:

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\20150915-31765.b\6430.D

Injection Date: 15-Sep-2015 15:03:30

Instrument ID: CBNAMS5

Lims ID: 460-100972-A-7-B

Lab Sample ID: 460-100972-7

Client ID: WC-7

Operator ID:

ALS Bottle#:

30

Worklist Smp#:

30

Injection Vol: 1.0 ul

Dil. Factor:

5.0000

Method: 8270_5R

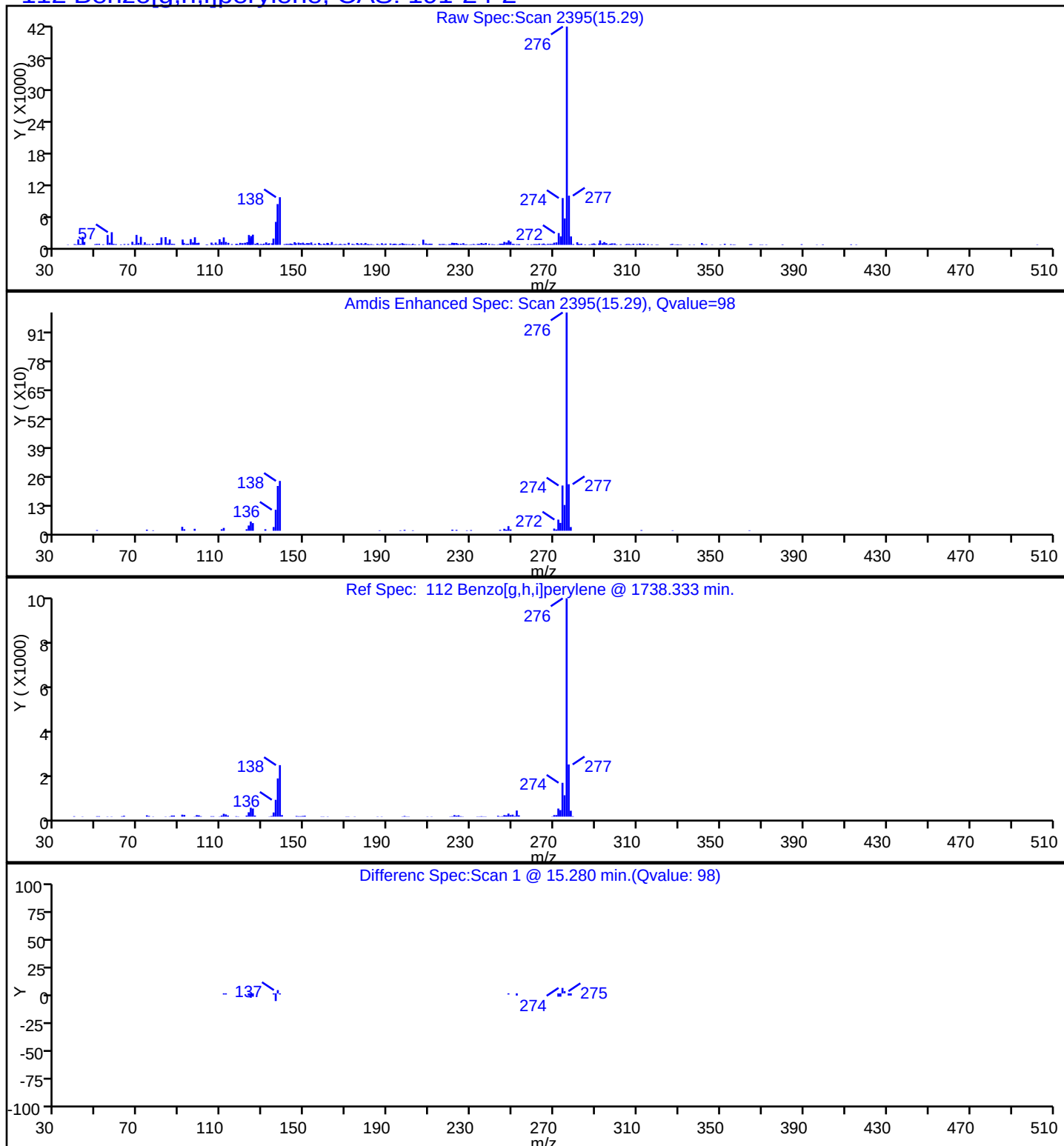
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-8</u>	Lab Sample ID: <u>460-100972-8</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z36347.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>09/11/2015 09:38</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>09/14/2015 08:46</u>
Sample wt/vol: <u>15.0244(g)</u>	Date Analyzed: <u>09/15/2015 12:19</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>18.4</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322389</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.10	J	0.40	0.010
91-57-6	2-Methylnaphthalene	0.050	J	0.40	0.0089
208-96-8	Acenaphthylene	0.028	J	0.40	0.010
83-32-9	Acenaphthene	0.41		0.40	0.0098
86-73-7	Fluorene	0.30	J	0.40	0.0088
85-01-8	Phenanthrene	3.8		0.40	0.011
120-12-7	Anthracene	1.1		0.40	0.038
206-44-0	Fluoranthene	7.4		0.40	0.012
129-00-0	Pyrene	3.6		0.40	0.018
56-55-3	Benzo[a]anthracene	2.5		0.040	0.034
218-01-9	Chrysene	2.7		0.40	0.011
205-99-2	Benzo[b]fluoranthene	3.2		0.040	0.016
207-08-9	Benzo[k]fluoranthene	1.2		0.040	0.018
50-32-8	Benzo[a]pyrene	2.1		0.040	0.012
193-39-5	Indeno[1,2,3-cd]pyrene	0.98		0.040	0.027
53-70-3	Dibenz(a,h)anthracene	0.28		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	63		30-130
1718-51-0	Terphenyl-d14	50		30-130
321-60-8	2-Fluorobiphenyl	73		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\z36347.D
 Lims ID: 460-100972-A-8-B Lab Sample ID: 460-100972-8
 Client ID: WC-8
 Sample Type: Client
 Inject. Date: 15-Sep-2015 12:19:30 ALS Bottle#: 25 Worklist Smp#: 25
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031763-025
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 15-Sep-2015 22:51:09 Calib Date: 10-Sep-2015 07:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150909-31608.b\z36210.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: bayoumiw

Date: 15-Sep-2015 22:51:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	4.540	4.528	0.012	97	259658	40.0	
\$ 26 Nitrobenzene-d5	82	5.087	5.092	-0.005	88	274997	31.3	
* 38 Naphthalene-d8	136	5.810	5.810	0.000	100	833369	40.0	
39 Naphthalene	128	5.828	5.839	-0.011	99	28040	1.27	
44 2-Methylnaphthalene	142	6.528	6.534	-0.006	85	8476	0.6151	
\$ 51 2-Fluorobiphenyl	172	6.892	6.898	-0.006	98	454154	36.5	
63 Acenaphthylene	152	7.428	7.433	-0.005	95	5348	0.3395	
* 65 Acenaphthene-d10	164	7.569	7.569	0.000	92	357610	40.0	
67 Acenaphthene	154	7.598	7.610	-0.012	94	52377	5.00	
74 Fluorene	166	8.110	8.116	-0.006	97	38521	3.62	
* 87 Phenanthrene-d10	188	9.039	9.039	0.000	99	465572	40.0	
88 Phenanthrene	178	9.069	9.069	0.000	98	613701	46.1	
89 Anthracene	178	9.116	9.116	0.000	98	170212	12.9	
92 Fluoranthene	202	10.251	10.245	0.006	98	990173	90.4	
94 Pyrene	202	10.486	10.480	0.006	97	912877	44.7	
\$ 96 Terphenyl-d14	244	10.639	10.633	0.006	99	344195	25.1	
101 Benzo[a]anthracene	228	11.875	11.863	0.012	99	445394	30.2	
* 102 Chrysene-d12	240	11.886	11.869	0.017	99	504934	40.0	
103 Chrysene	228	11.922	11.910	0.012	99	429378	33.1	
106 Benzo[b]fluoranthene	252	13.333	13.315	0.018	98	471604	39.6	
107 Benzo[k]fluoranthene	252	13.369	13.357	0.012	99	189915	15.2	
108 Benzo[a]pyrene	252	13.786	13.774	0.012	97	283291	26.3	
* 109 Perylene-d12	264	13.874	13.851	0.023	98	421123	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.486	15.474	0.012	99	108353	12.0	
111 Dibenzo(a,h)anthracene	278	15.515	15.509	0.006	94	28736	3.37	
112 Benzo[g,h,i]perylene	276	15.951	15.939	0.012	97	87670	8.71	

Reagents:

SM_ISTD_00092 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150915-31763.b\\z36347.D

Injection Date: 15-Sep-2015 12:19:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: 460-100972-A-8-B

Lab Sample ID: 460-100972-8

Worklist Smp#: 25

Client ID: WC-8

Injection Vol: 1.0 ul

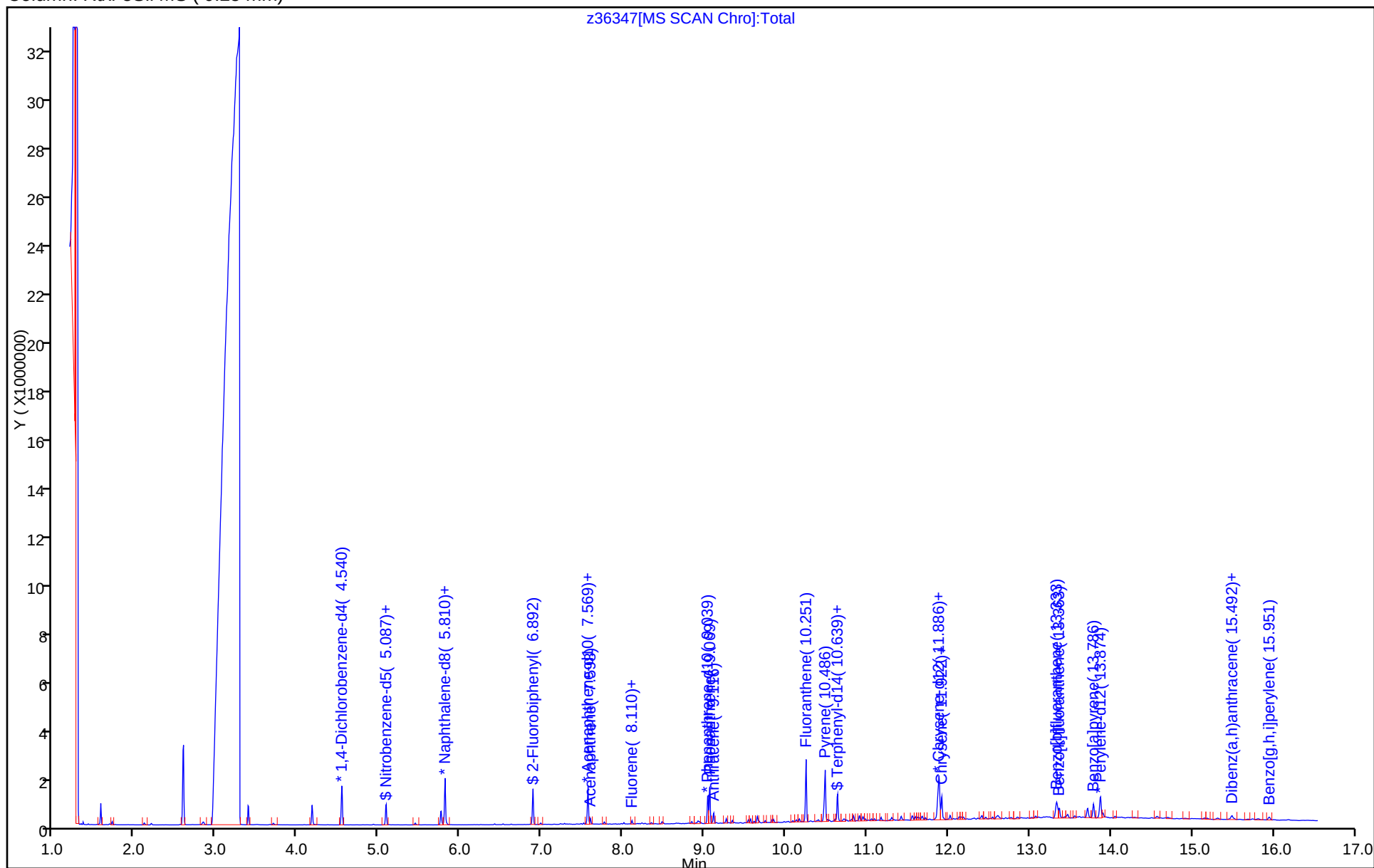
Dil. Factor: 1.0000

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\\20150915-31763.b\\z36347.D

Injection Date: 15-Sep-2015 12:19:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-8-B

Lab Sample ID: 460-100972-8

Client ID: WC-8

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

25

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

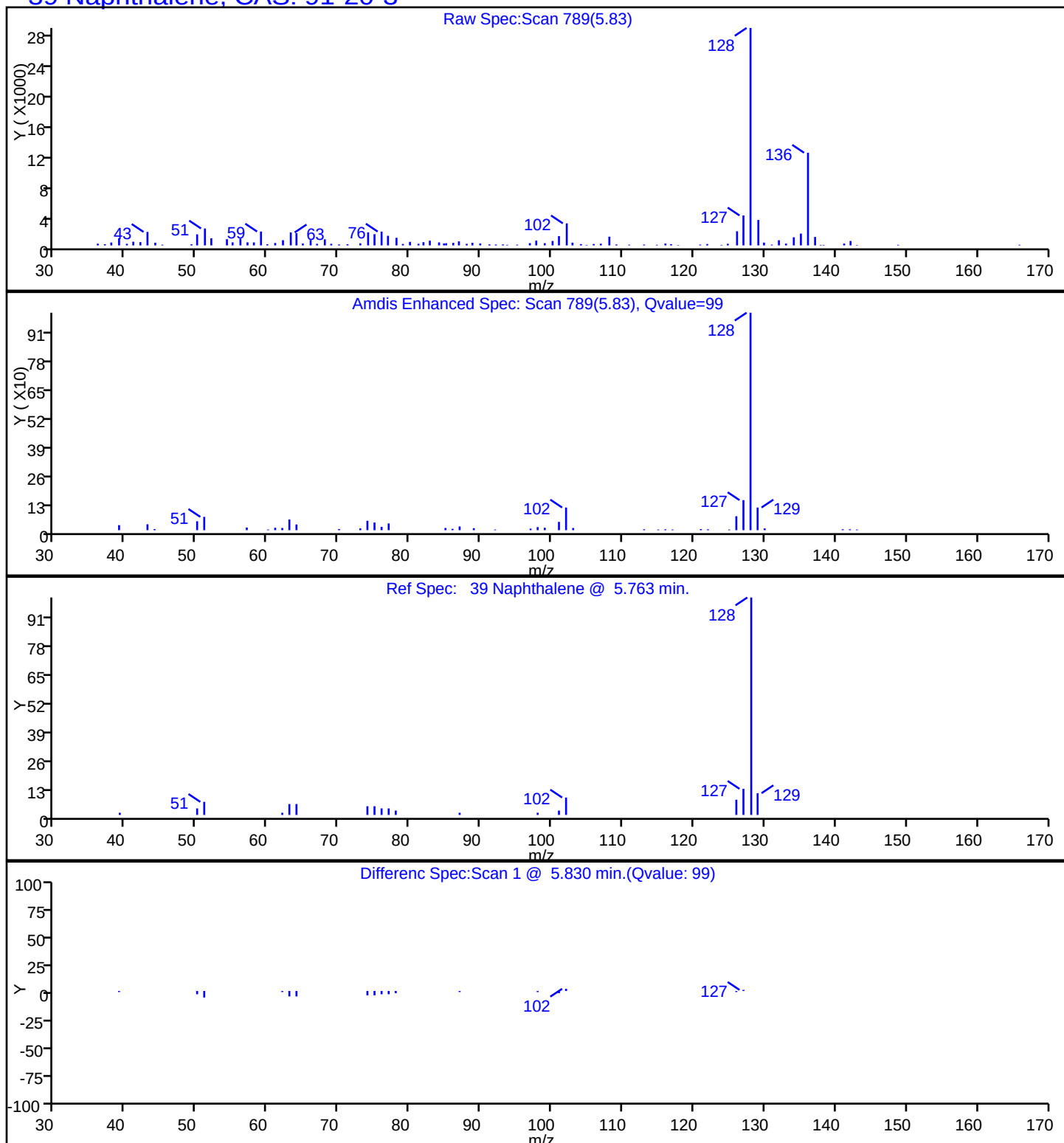
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

39 Naphthalene, CAS: 91-20-3

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150915-31763.b\\z36347.D

Injection Date: 15-Sep-2015 12:19:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-8-B

Lab Sample ID: 460-100972-8

Client ID: WC-8

Operator ID:

ALS Bottle#: 25

Worklist Smp#: 25

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

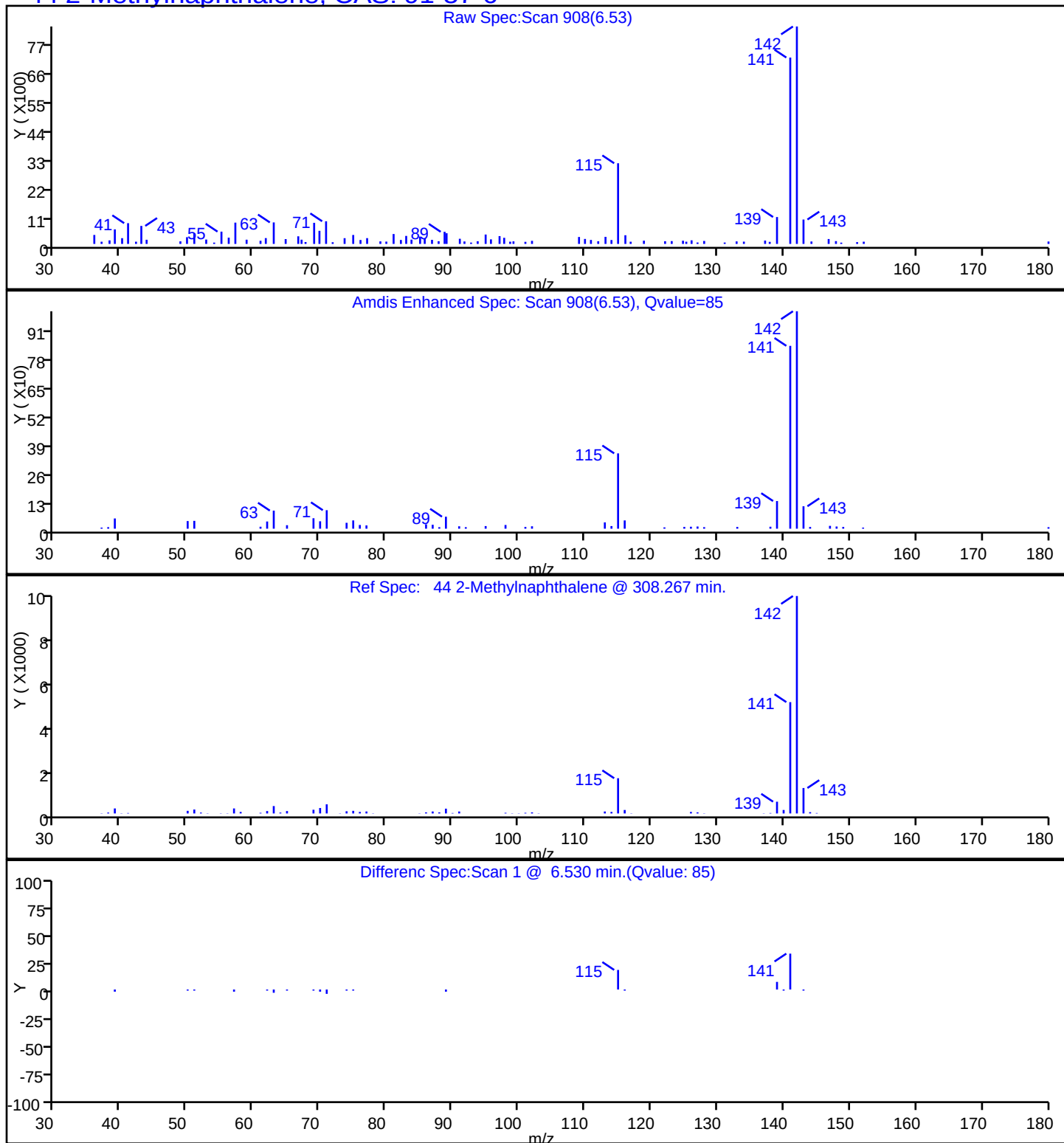
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150915-31763.b\\z36347.D

Injection Date: 15-Sep-2015 12:19:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-8-B

Lab Sample ID: 460-100972-8

Client ID: WC-8

Operator ID:

ALS Bottle#: 25

Worklist Smp#: 25

Injection Vol: 1.0 ul

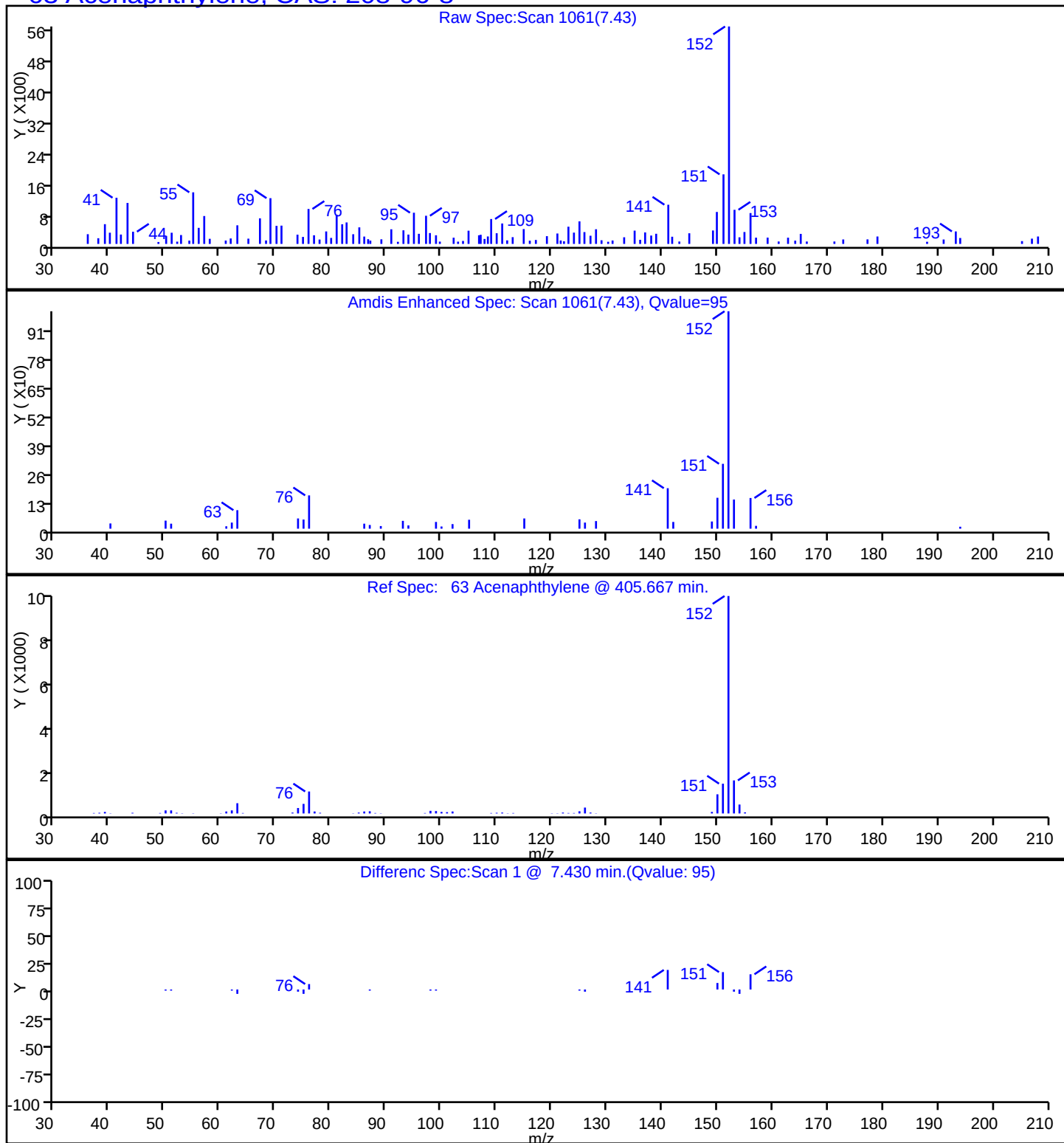
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

63 Acenaphthylene, CAS: 208-96-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\z36347.D

Injection Date: 15-Sep-2015 12:19:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-8-B

Lab Sample ID: 460-100972-8

Client ID: WC-8

Operator ID:

ALS Bottle#: 25

Worklist Smp#: 25

Injection Vol: 1.0 ul

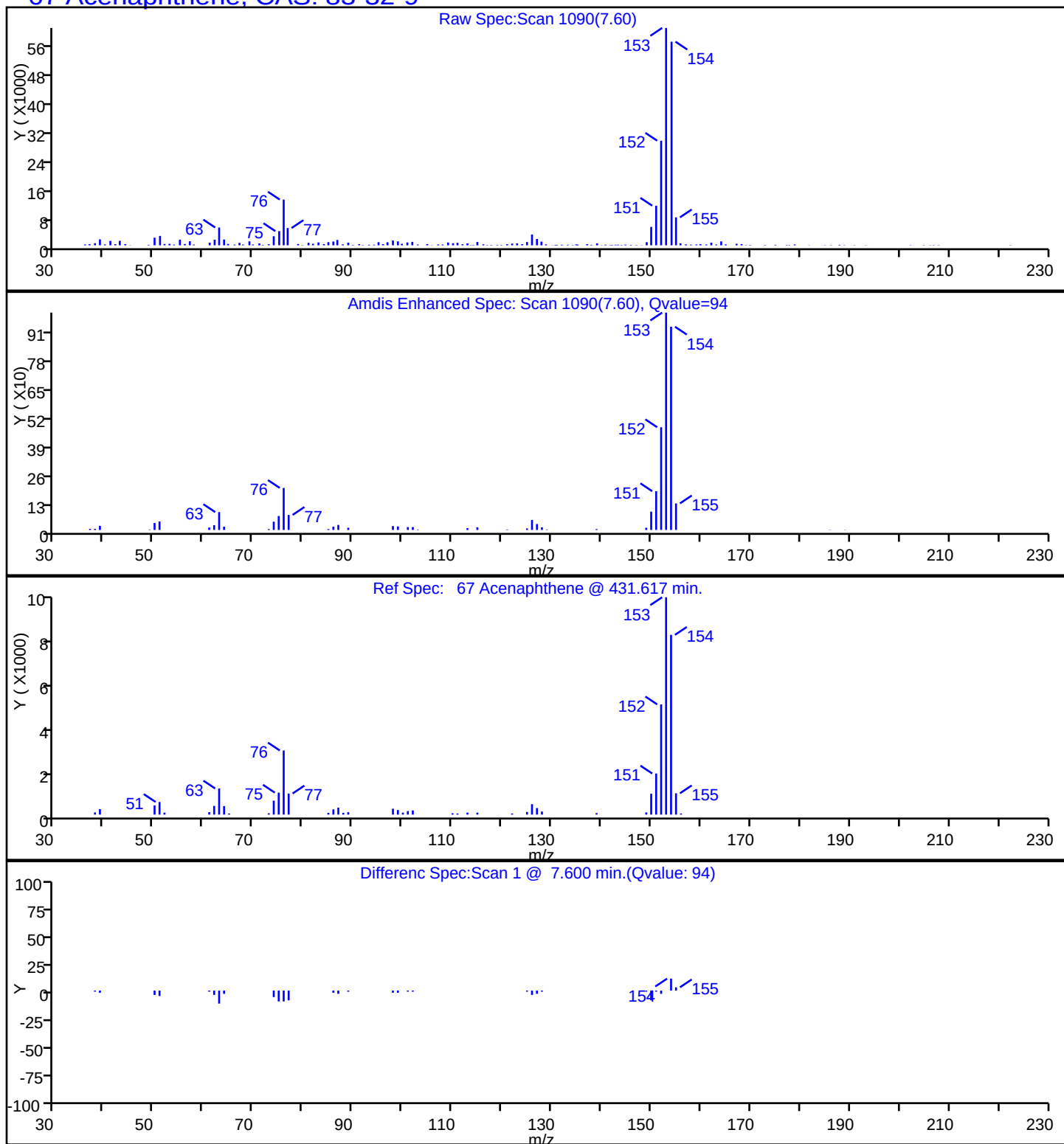
Dil. Factor: 1.0000

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\20150915-31763.b\z36347.D

Injection Date: 15-Sep-2015 12:19:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-8-B

Lab Sample ID: 460-100972-8

Client ID: WC-8

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

25

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

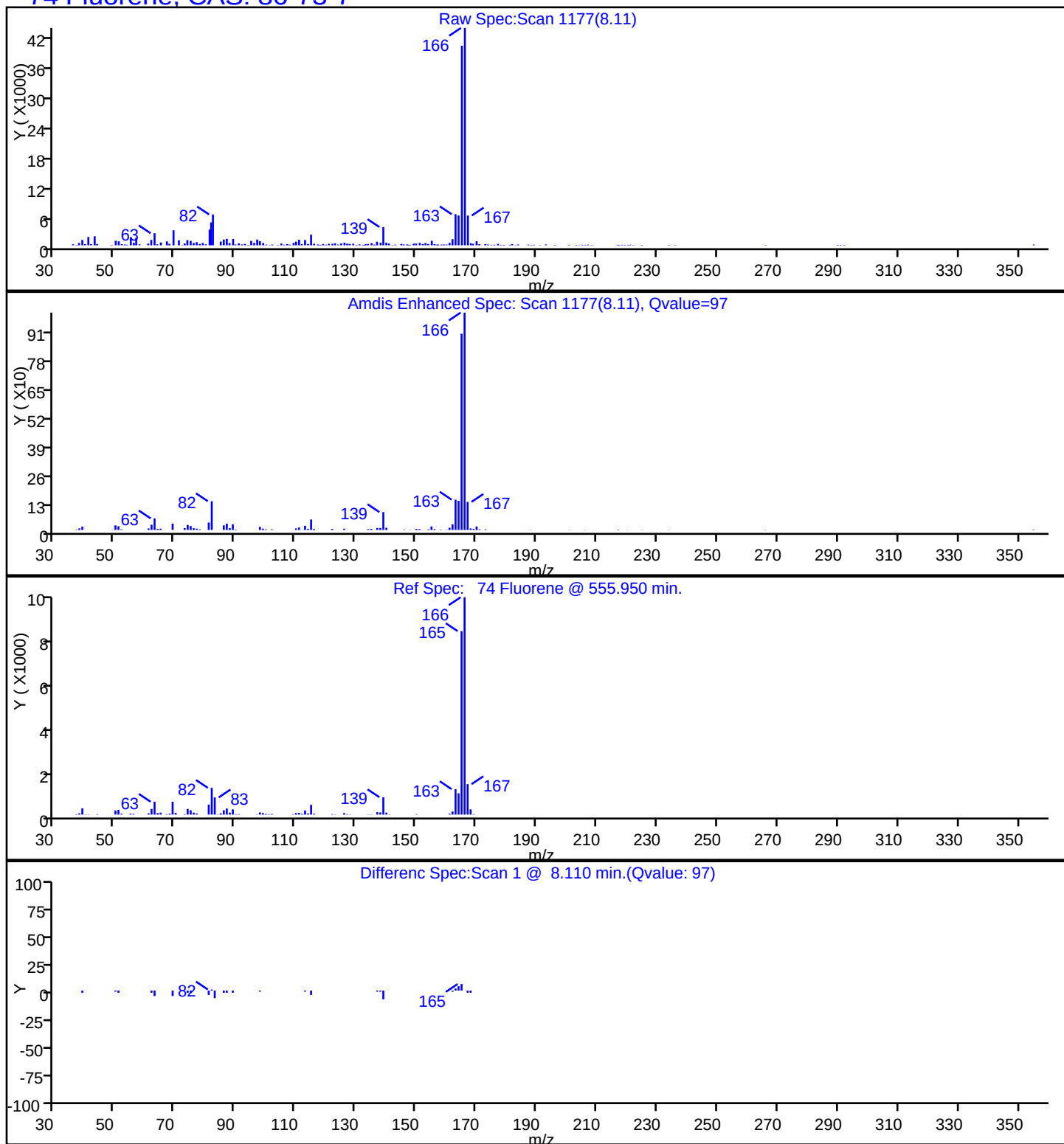
Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

74 Fluorene, CAS: 86-73-7



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150915-31763.b\\z36347.D

Injection Date: 15-Sep-2015 12:19:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-8-B

Lab Sample ID: 460-100972-8

Client ID: WC-8

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

25

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

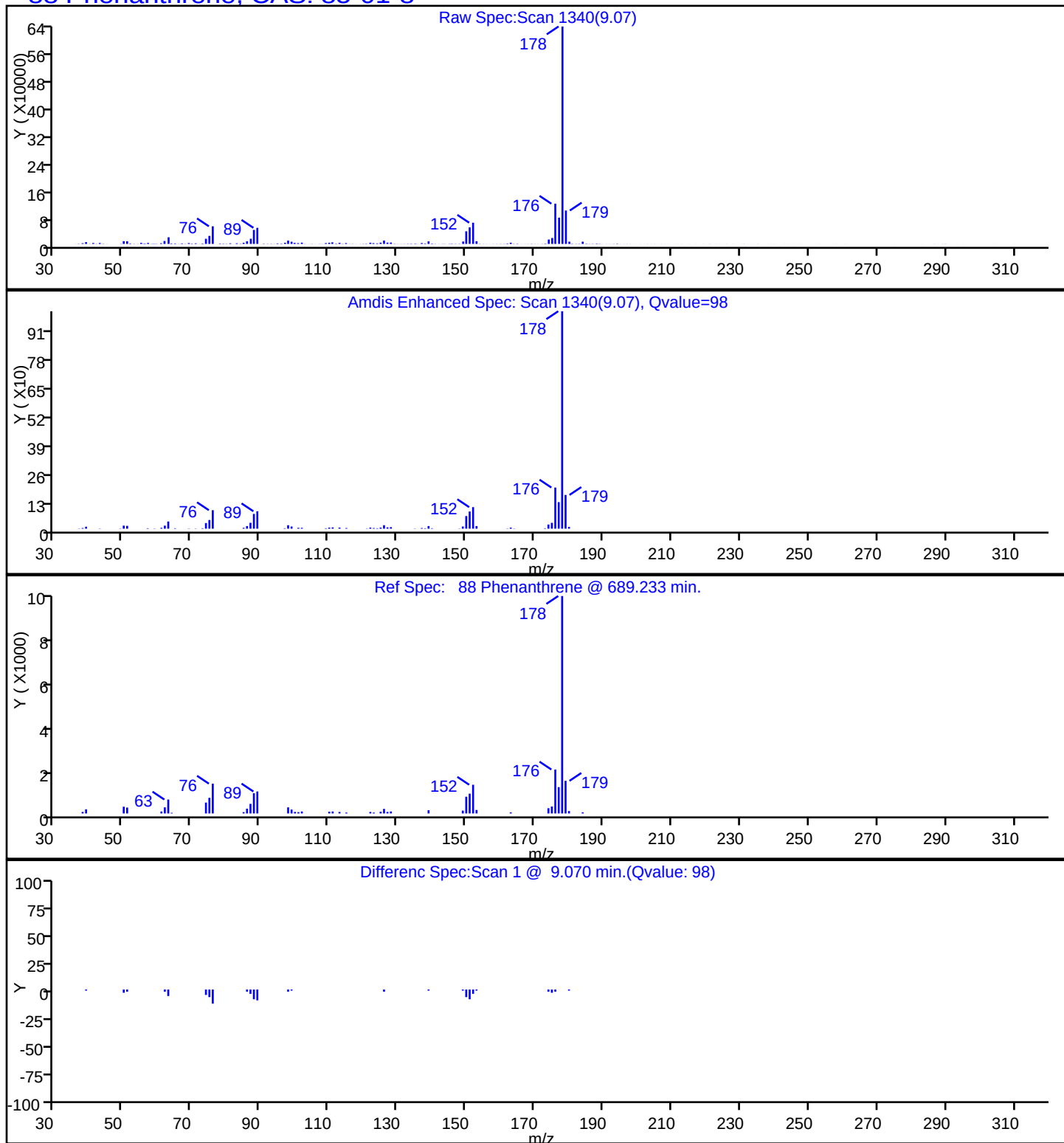
Limit Group:

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\20150915-31763.b\z36347.D

Injection Date: 15-Sep-2015 12:19:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-8-B

Lab Sample ID: 460-100972-8

Client ID: WC-8

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

25

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

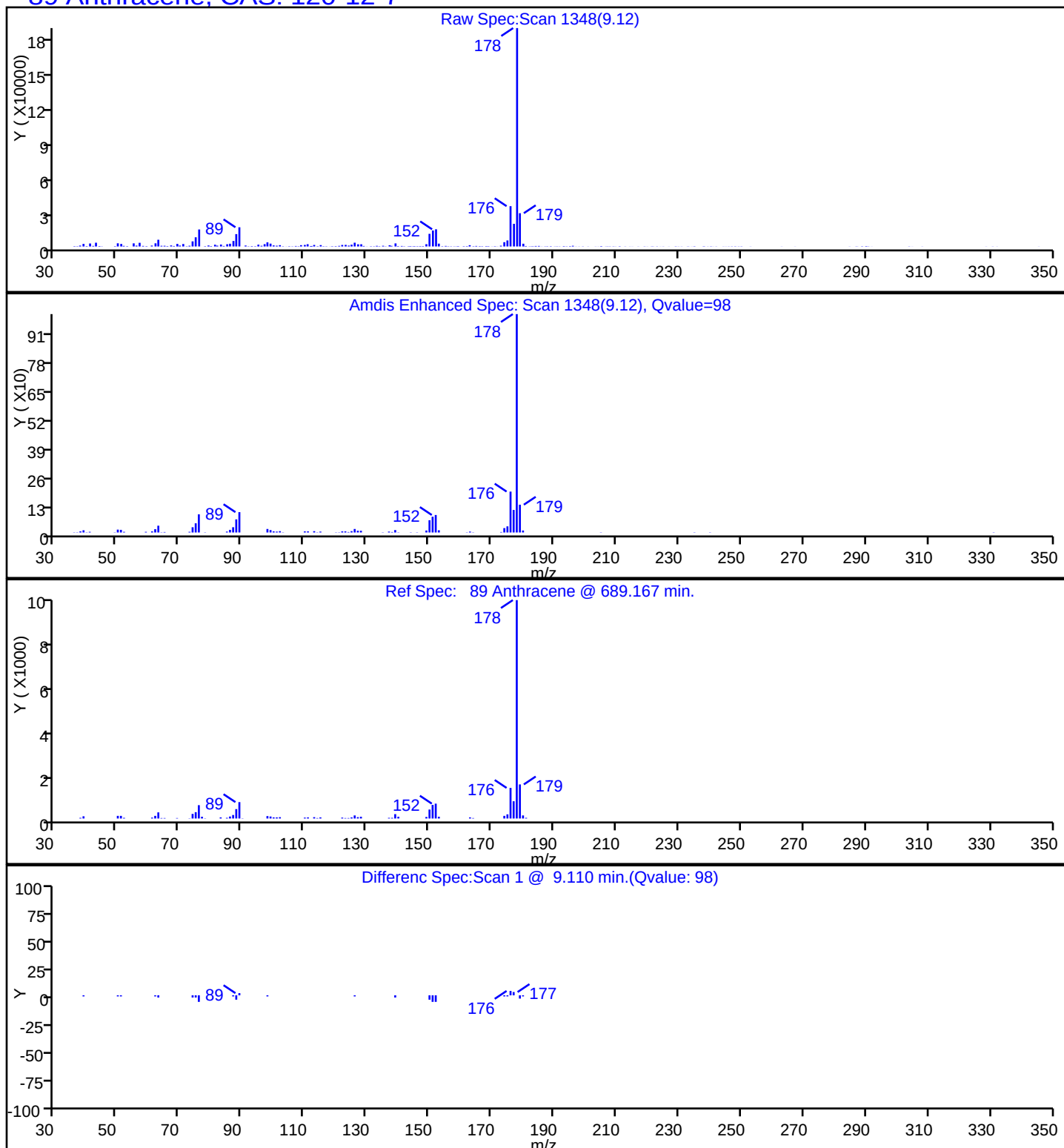
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

89 Anthracene, CAS: 120-12-7

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150915-31763.b\\z36347.D

Injection Date: 15-Sep-2015 12:19:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-8-B

Lab Sample ID: 460-100972-8

Client ID: WC-8

Operator ID:

ALS Bottle#: 25 Worklist Smp#: 25

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

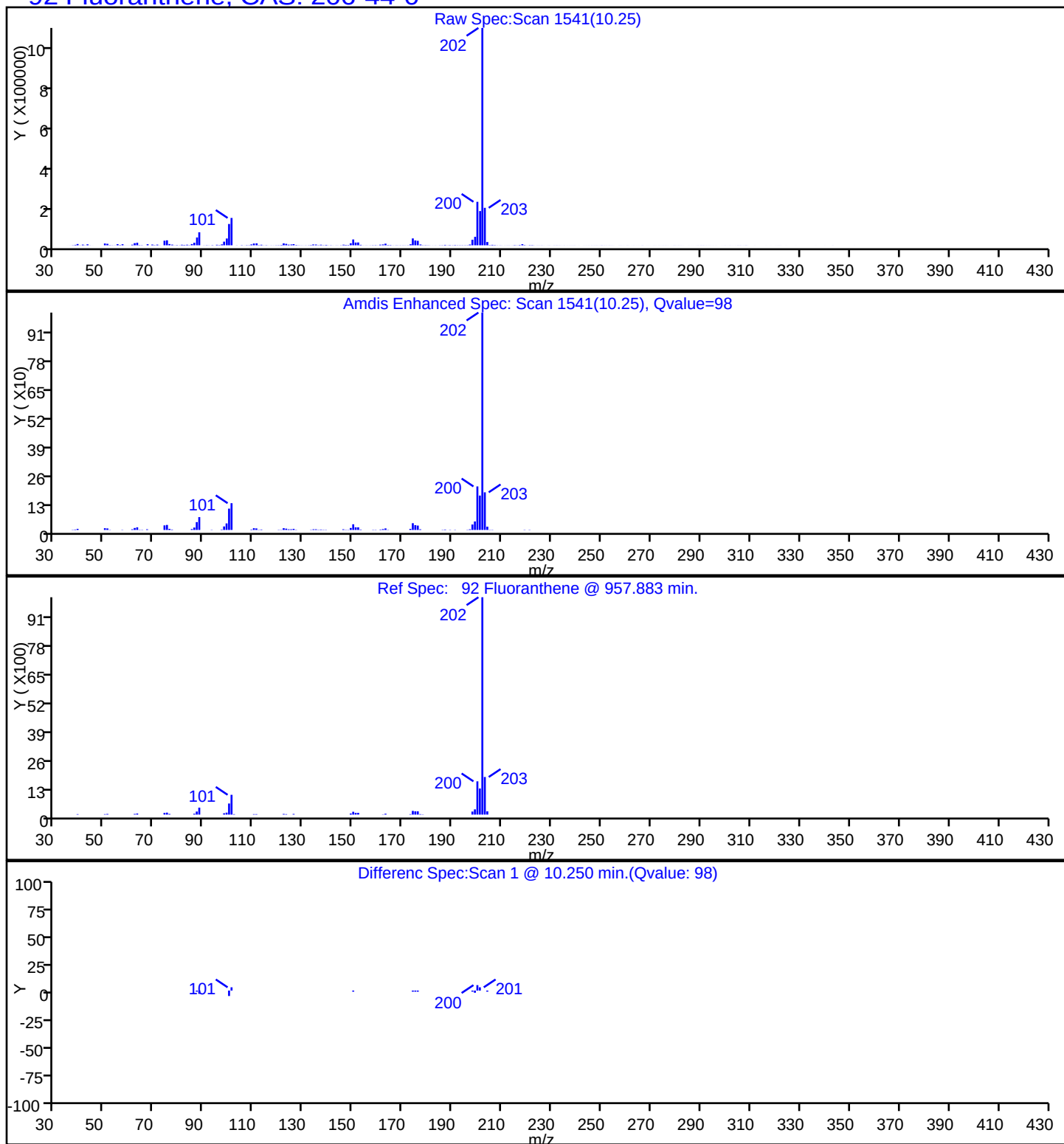
Method: 8270_11R_9

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\\20150915-31763.b\\z36347.D

Injection Date: 15-Sep-2015 12:19:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-8-B

Lab Sample ID: 460-100972-8

Client ID: WC-8

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

25

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

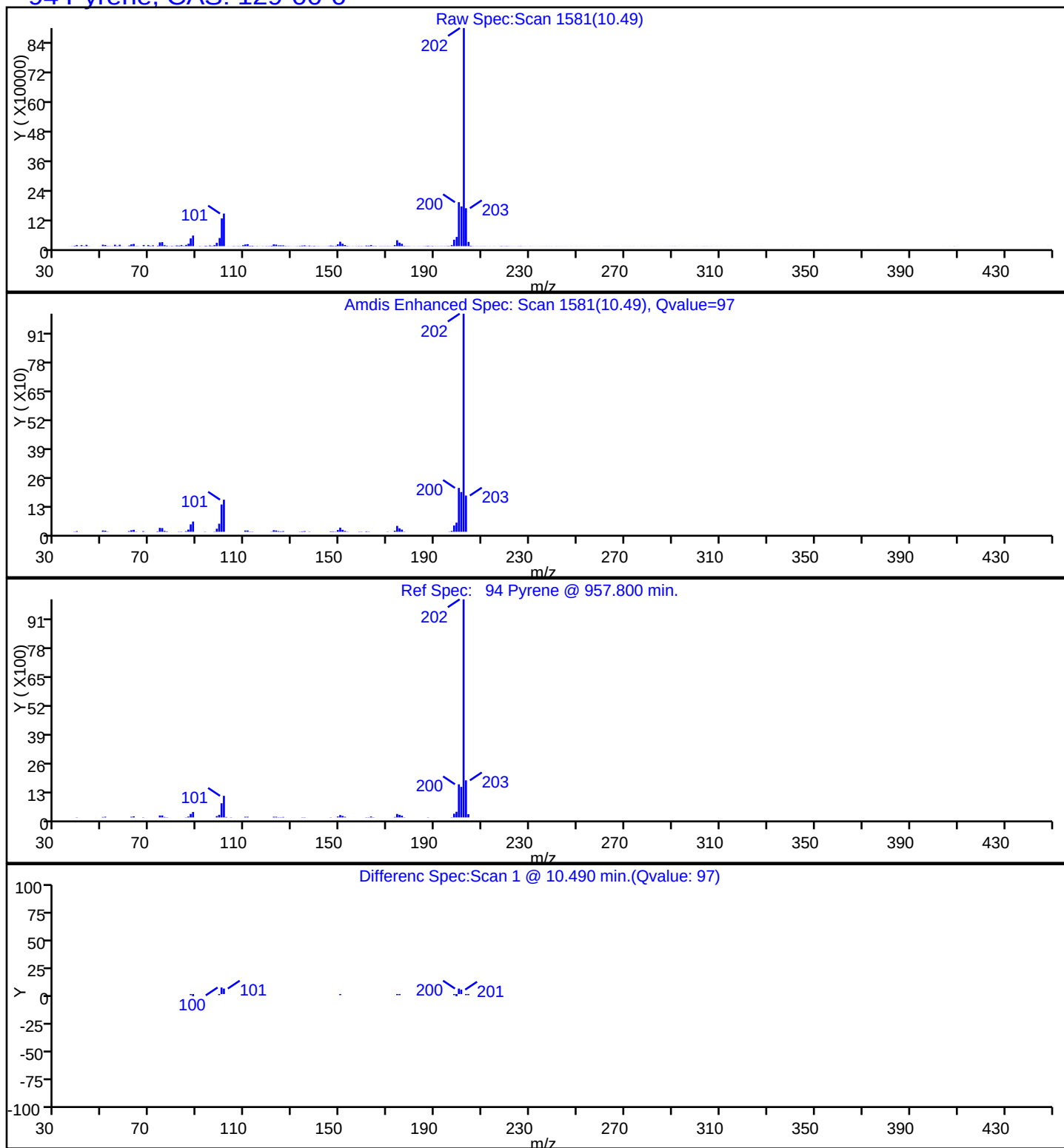
Method: 8270_11R_9

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\20150915-31763.b\z36347.D

Injection Date: 15-Sep-2015 12:19:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-8-B

Lab Sample ID: 460-100972-8

Client ID: WC-8

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

25

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

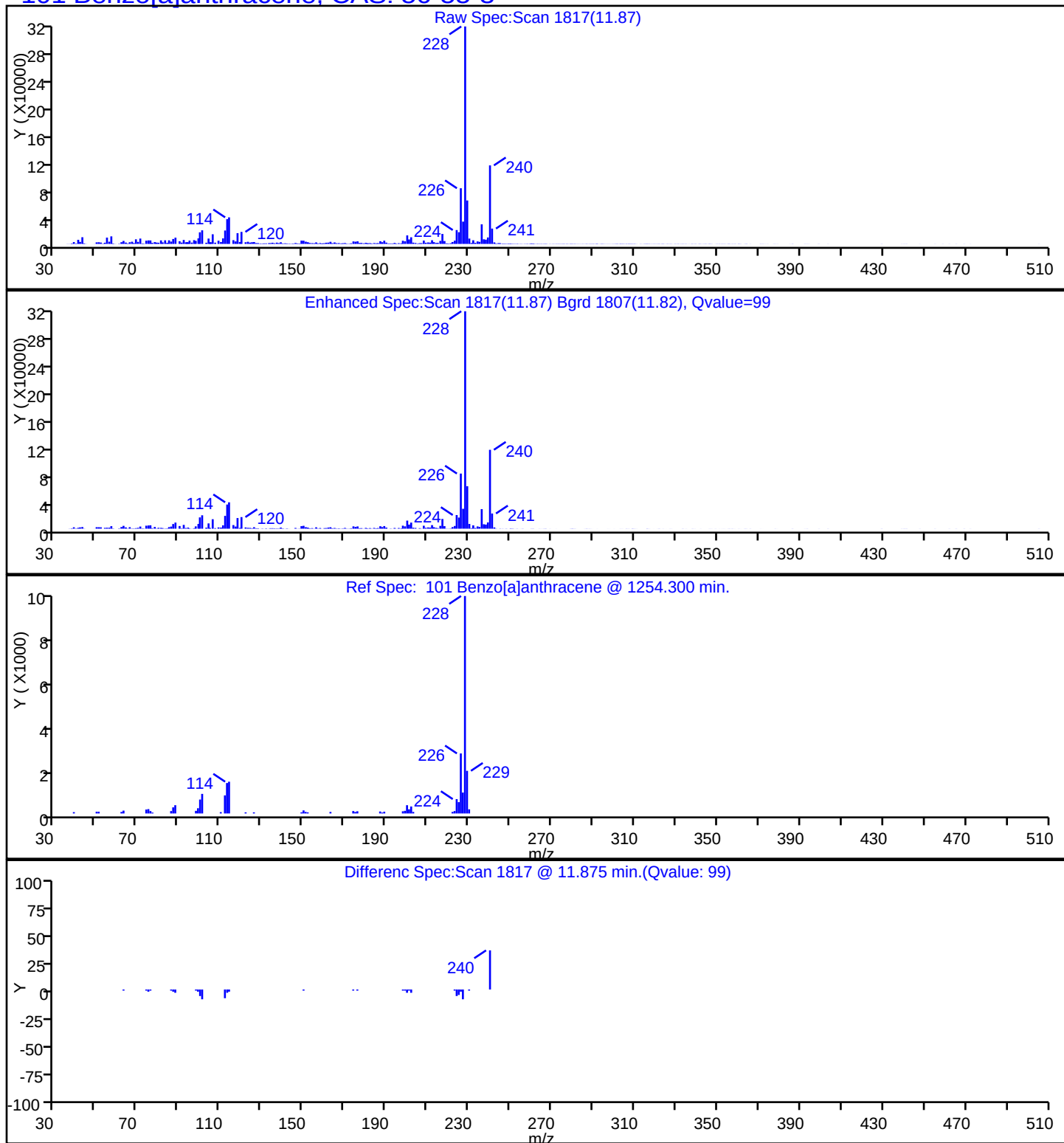
Limit Group:

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\20150915-31763.b\z36347.D

Injection Date: 15-Sep-2015 12:19:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-8-B

Lab Sample ID: 460-100972-8

Client ID: WC-8

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

25

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

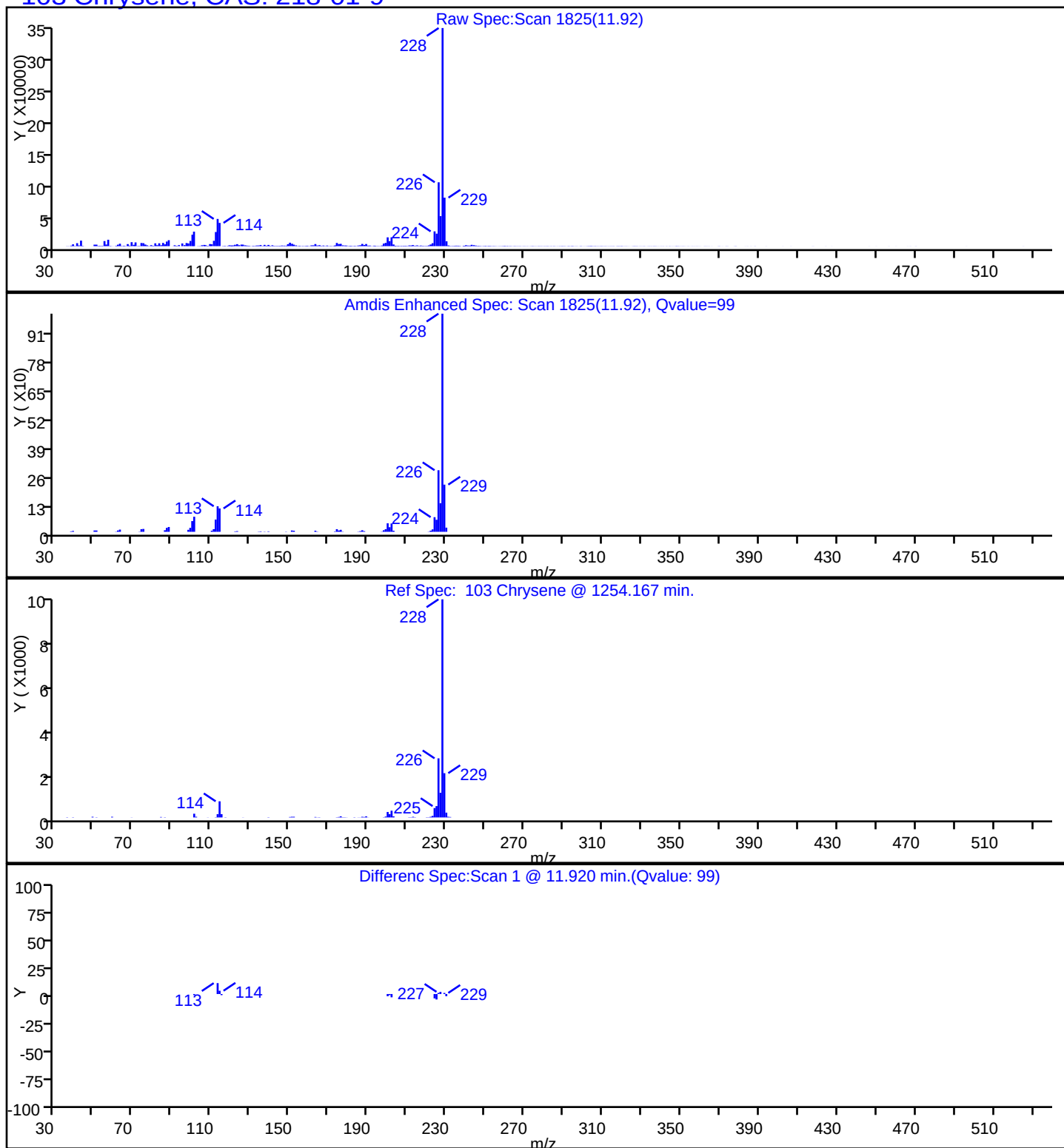
Limit Group:

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\\20150915-31763.b\\z36347.D

Injection Date: 15-Sep-2015 12:19:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-8-B

Lab Sample ID: 460-100972-8

Client ID: WC-8

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

25

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

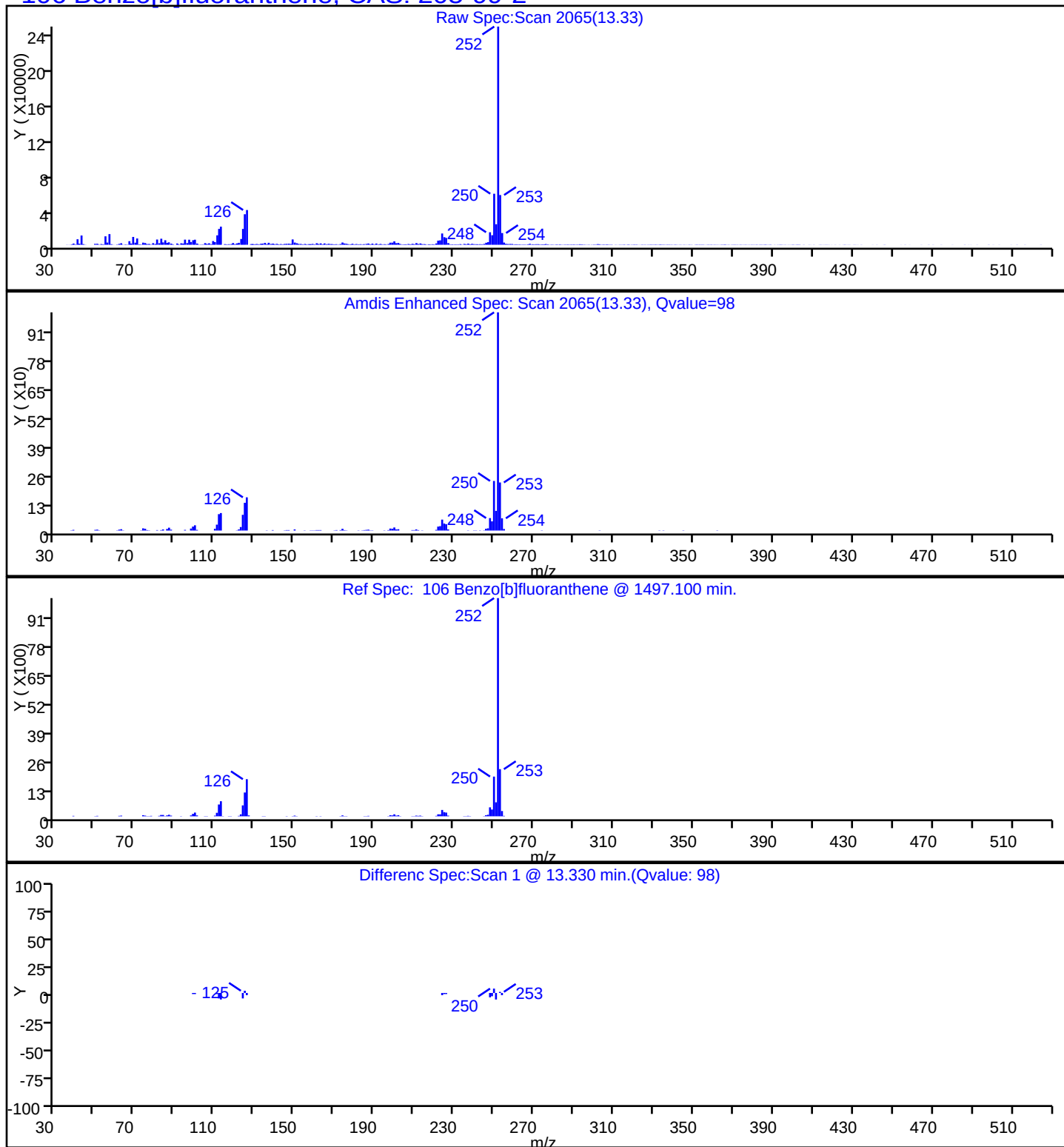
Limit Group:

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\20150915-31763.b\z36347.D

Injection Date: 15-Sep-2015 12:19:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-8-B

Lab Sample ID: 460-100972-8

Client ID: WC-8

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

25

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

Limit Group:

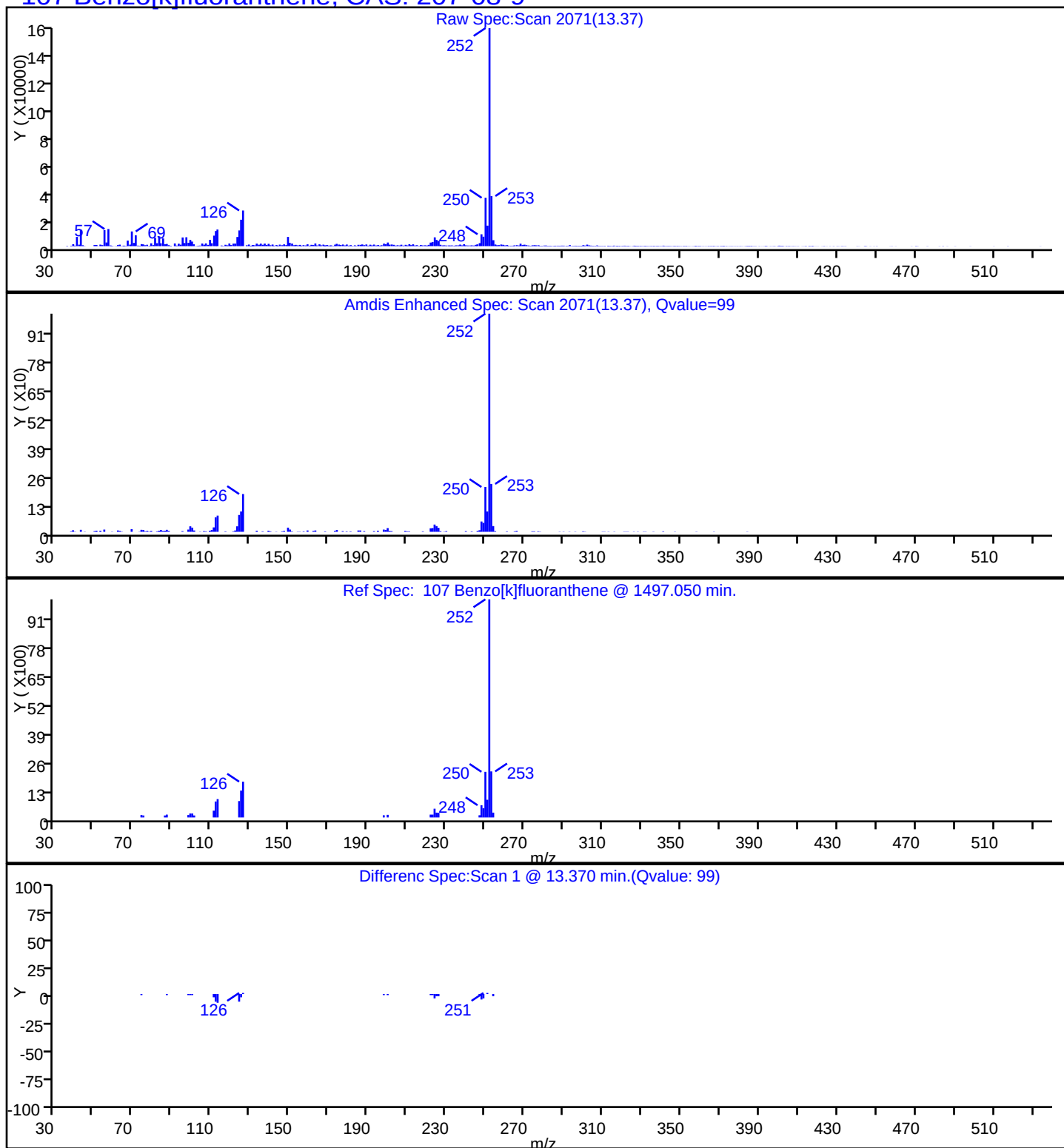
SV 8270D ICAL

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\\20150915-31763.b\\z36347.D

Injection Date: 15-Sep-2015 12:19:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-8-B

Lab Sample ID: 460-100972-8

Client ID: WC-8

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

25

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

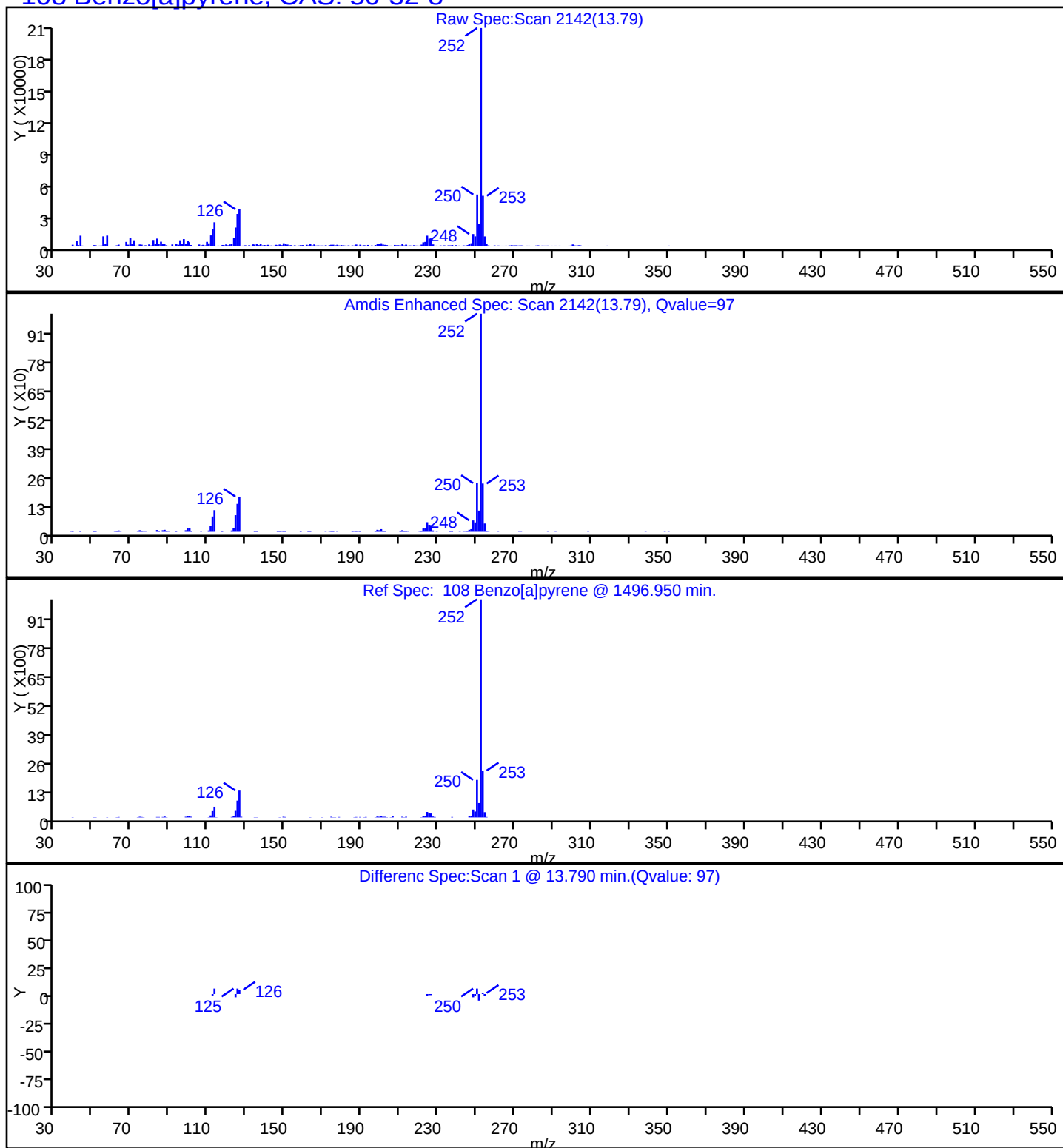
Limit Group:

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\20150915-31763.b\z36347.D

Injection Date: 15-Sep-2015 12:19:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-8-B

Lab Sample ID: 460-100972-8

Client ID: WC-8

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

25

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

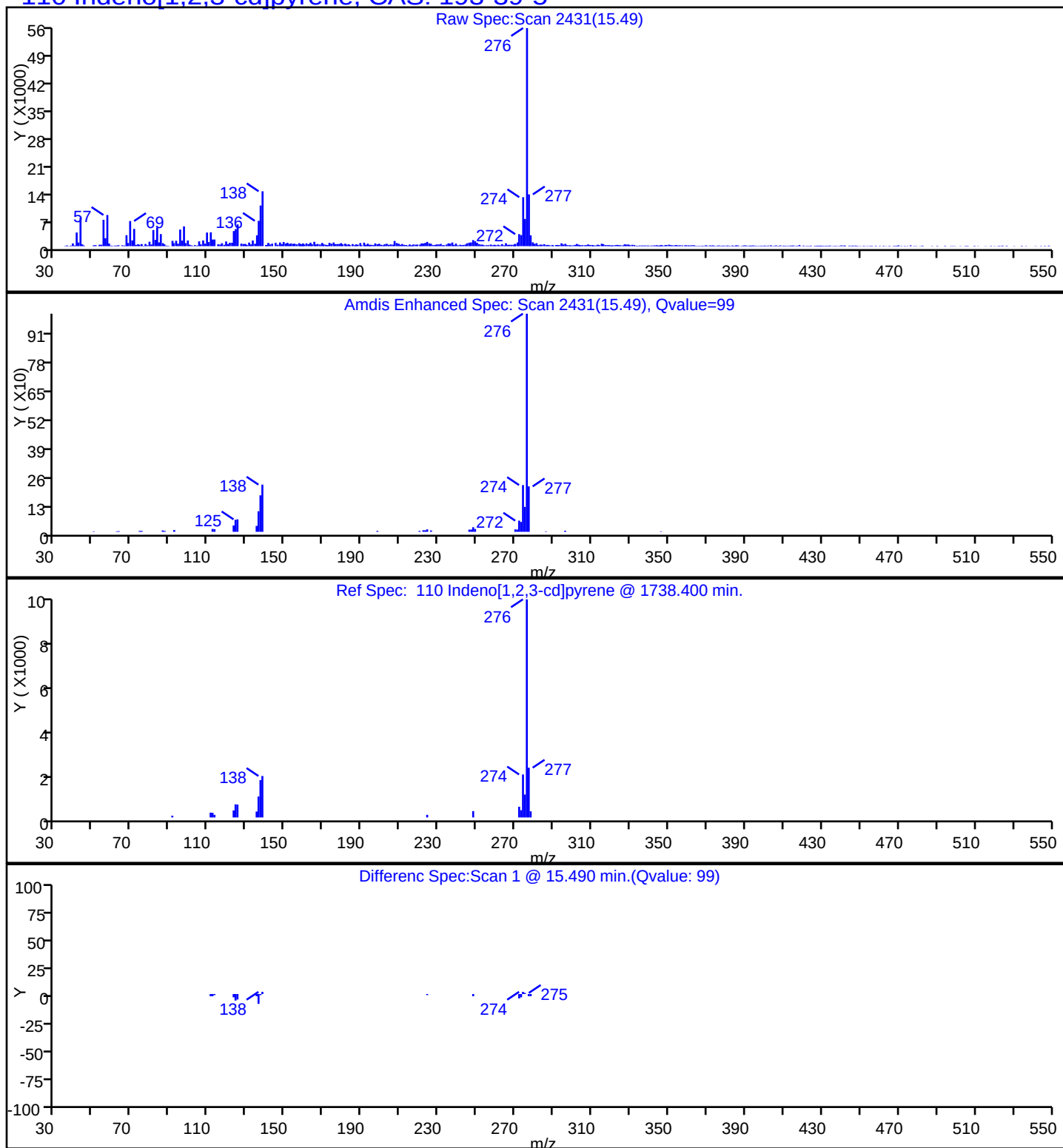
Limit Group:

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\20150915-31763.b\z36347.D

Injection Date: 15-Sep-2015 12:19:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-8-B

Lab Sample ID: 460-100972-8

Client ID: WC-8

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

25

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

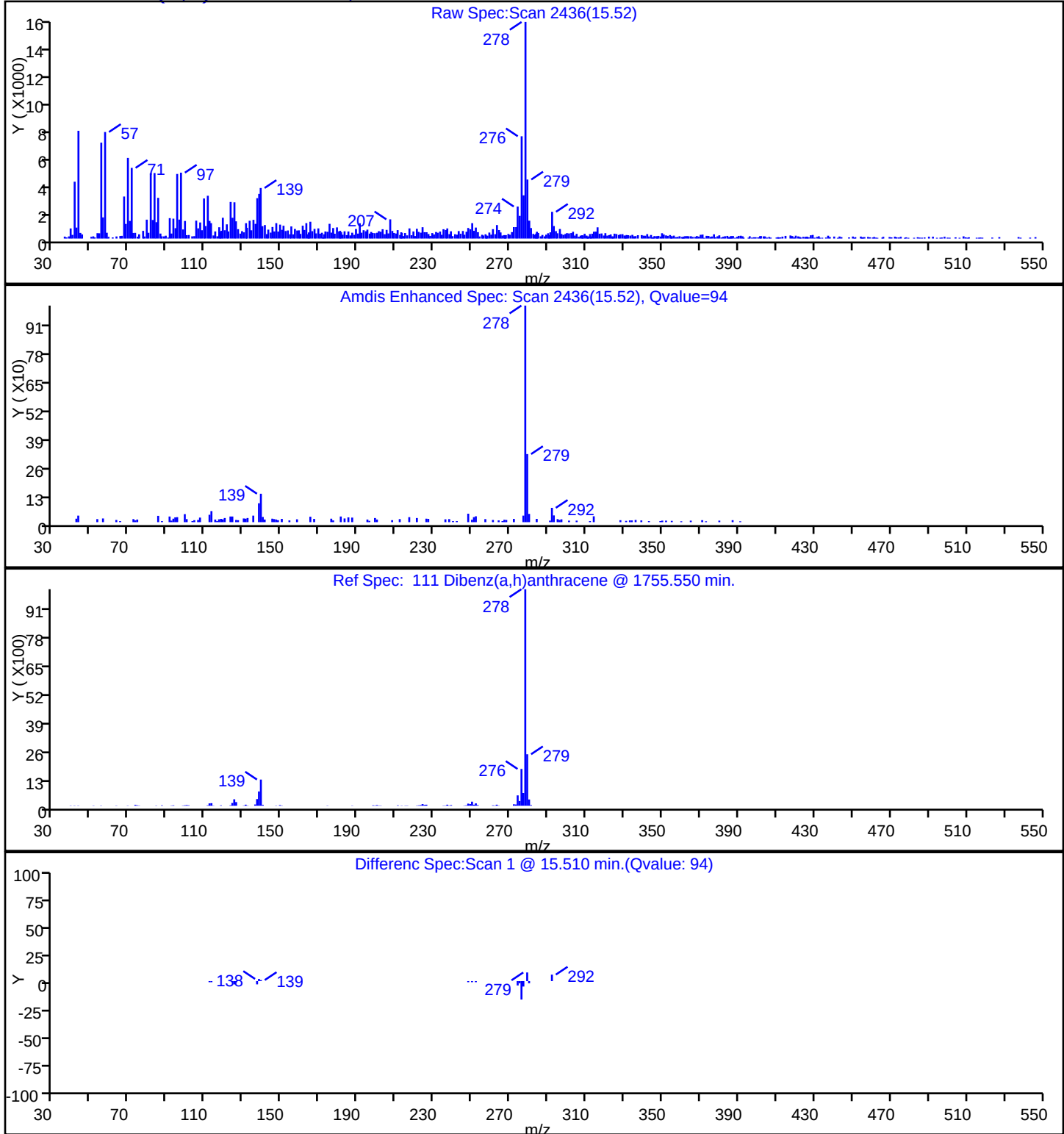
Limit Group:

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\20150915-31763.b\z36347.D

Injection Date: 15-Sep-2015 12:19:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-8-B

Lab Sample ID: 460-100972-8

Client ID: WC-8

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

25

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

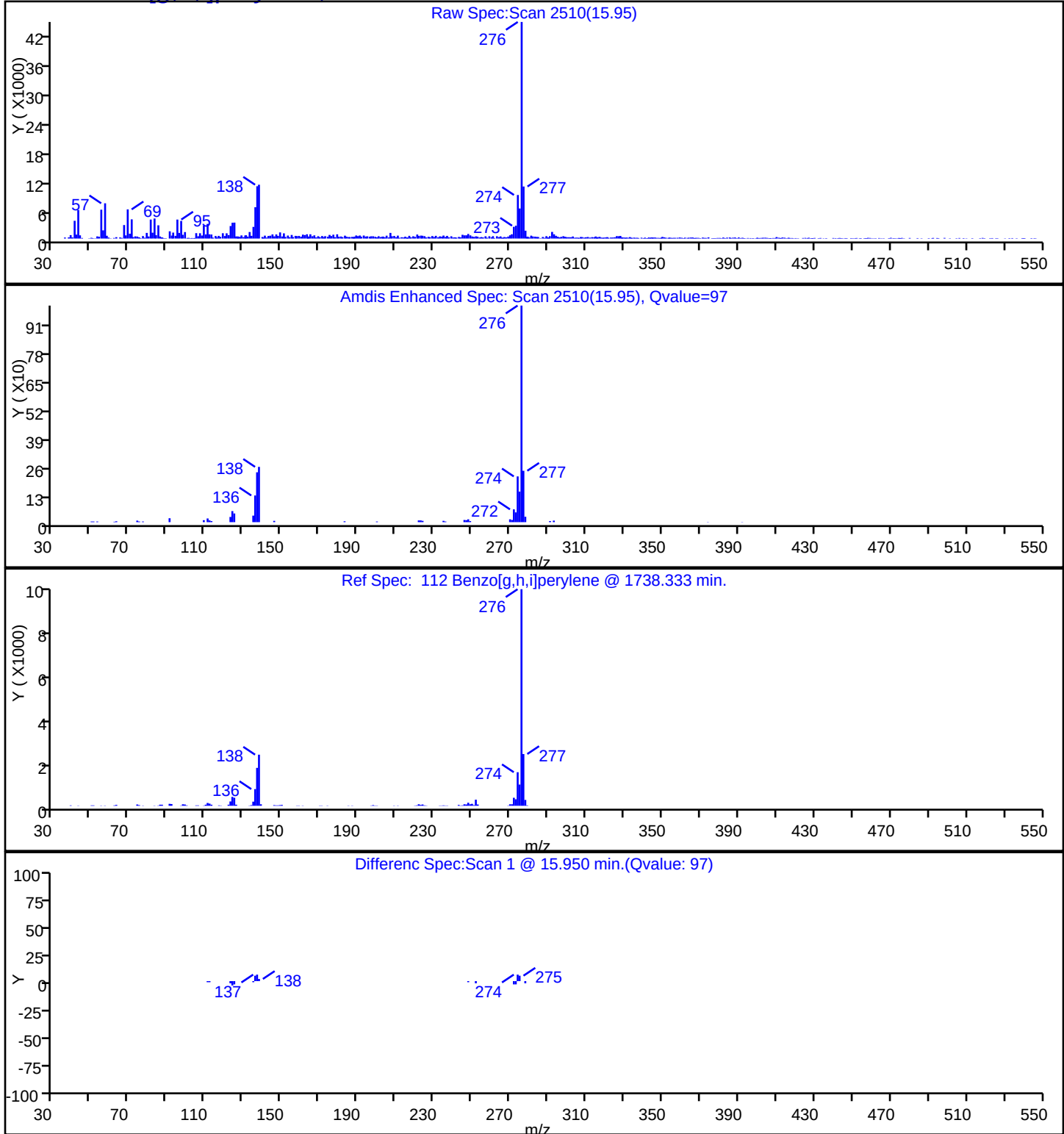
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-9</u>	Lab Sample ID: <u>460-100972-9</u>
Matrix: <u>Solid</u>	Lab File ID: <u>L125783.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>09/11/2015 09:42</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>09/14/2015 08:46</u>
Sample wt/vol: <u>15.0321(g)</u>	Date Analyzed: <u>09/16/2015 01:10</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>18.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322563</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.31	J	2.0	0.051
91-57-6	2-Methylnaphthalene	0.17	J	2.0	0.045
208-96-8	Acenaphthylene	0.052	U	2.0	0.052
83-32-9	Acenaphthene	1.1	J	2.0	0.049
86-73-7	Fluorene	0.77	J	2.0	0.044
85-01-8	Phenanthrene	12		2.0	0.054
120-12-7	Anthracene	2.7		2.0	0.19
206-44-0	Fluoranthene	13		2.0	0.060
129-00-0	Pyrene	6.9		2.0	0.092
56-55-3	Benzo[a]anthracene	4.0		0.20	0.17
218-01-9	Chrysene	4.4		2.0	0.055
205-99-2	Benzo[b]fluoranthene	4.1		0.20	0.079
207-08-9	Benzo[k]fluoranthene	1.6		0.20	0.088
50-32-8	Benzo[a]pyrene	3.0		0.20	0.061
193-39-5	Indeno[1,2,3-cd]pyrene	1.9		0.20	0.13
53-70-3	Dibenz(a,h)anthracene	0.58		0.20	0.11
191-24-2	Benzo[g,h,i]perylene	1.6	J	2.0	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	54		30-130
1718-51-0	Terphenyl-d14	47		30-130
321-60-8	2-Fluorobiphenyl	60		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150915-31799.b\L125783.D
 Lims ID: 460-100972-A-9-B Lab Sample ID: 460-100972-9
 Client ID: WC-9
 Sample Type: Client
 Inject. Date: 16-Sep-2015 01:10:30 ALS Bottle#: 23 Worklist Smp#: 23
 Injection Vol: 1.0 ul Dil. Factor: 5.0000
 Sample Info: 460-0031799-023
 Operator ID: BNA 12 Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20150915-31799.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 16-Sep-2015 10:54:49 Calib Date: 27-Aug-2015 09:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20150827-31172.b\L125037.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK049

First Level Reviewer: bayoumiw

Date: 16-Sep-2015 11:25:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 13 1,4-Dichlorobenzene-d4	152	4.301	4.295	0.006	94	86108	40.0	
\$ 26 Nitrobenzene-d5	82	4.860	4.866	-0.006	85	13875	5.38	
* 36 Naphthalene-d8	136	5.584	5.584	0.000	99	298567	40.0	
37 Naphthalene	128	5.607	5.613	-0.006	98	5653	0.7503	
42 2-Methylnaphthalene	142	6.307	6.307	0.000	87	2082	0.4289	
\$ 50 2-Fluorobiphenyl	172	6.672	6.678	-0.006	98	29404	5.98	
* 63 Acenaphthene-d10	164	7.342	7.348	-0.006	92	147379	40.0	
65 Acenaphthene	154	7.372	7.383	-0.011	95	10676	2.64	
74 Fluorene	166	7.883	7.889	-0.006	95	8386	1.88	
* 85 Phenanthrene-d10	188	8.813	8.813	0.000	98	205540	40.0	
86 Phenanthrene	178	8.836	8.842	-0.006	97	163845	29.3	
87 Anthracene	178	8.883	8.889	-0.006	98	37141	6.64	
90 Fluoranthene	202	10.007	10.013	-0.006	98	165984	33.0	
92 Pyrene	202	10.230	10.236	-0.006	97	128762	16.8	
\$ 94 Terphenyl-d14	244	10.383	10.395	-0.012	99	24736	4.70	
99 Benzo[a]anthracene	228	11.571	11.577	-0.006	99	60833	9.93	
* 100 Chrysene-d12	240	11.583	11.583	0.000	99	221623	40.0	
101 Chrysene	228	11.613	11.624	-0.011	98	59561	10.7	
104 Benzo[b]fluoranthene	252	12.989	13.001	-0.012	98	80013	10.1	
105 Benzo[k]fluoranthene	252	13.024	13.036	-0.012	0	33145	3.96	
106 Benzo[a]pyrene	252	13.436	13.448	-0.012	97	56438	7.42	
* 107 Perylene-d12	264	13.524	13.518	0.006	99	311272	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.977	14.995	-0.018	99	42458	4.59	
109 Dibenz(a,h)anthracene	278	14.995	15.018	-0.023	93	11200	1.43	
110 Benzo[g,h,i]perylene	276	15.330	15.354	-0.024	97	38990	3.97	

Reagents:

SM_ISTD_00092 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20150915-31799.b\\L125783.D

Injection Date: 16-Sep-2015 01:10:30

Instrument ID: CBNAMS12

Operator ID: BNA 12

Lims ID: 460-100972-A-9-B

Lab Sample ID: 460-100972-9

Worklist Smp#: 23

Client ID: WC-9

Injection Vol: 1.0 ul

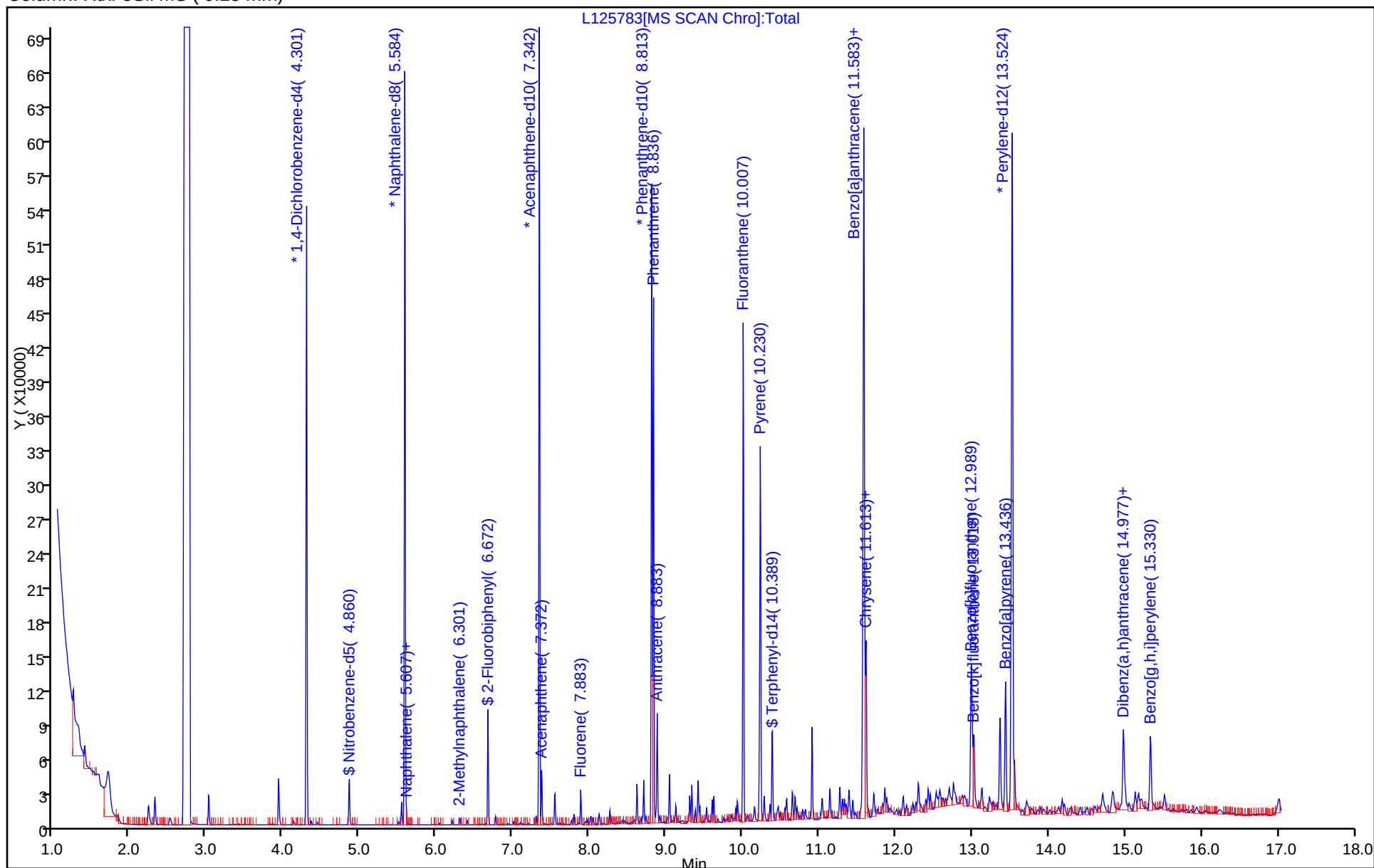
Dil. Factor: 5.0000

ALS Bottle#: 23

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150915-31799.b\L125783.D

Injection Date: 16-Sep-2015 01:10:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-9-B

Lab Sample ID: 460-100972-9

Client ID: WC-9

Operator ID: BNA 12

ALS Bottle#: 23

Worklist Smp#: 23

Injection Vol: 1.0 ul

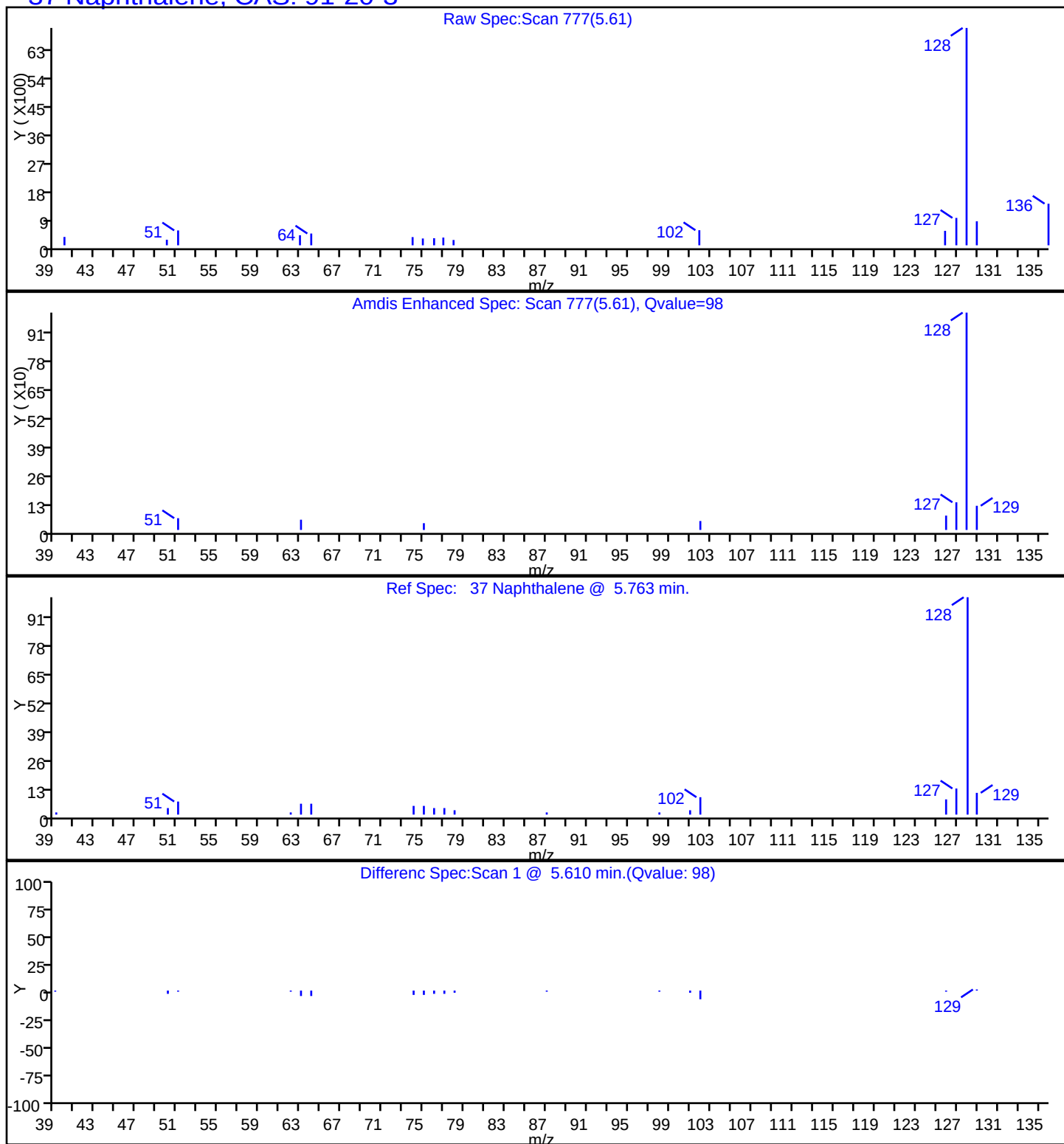
Dil. Factor: 5.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

37 Naphthalene, CAS: 91-20-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150915-31799.b\L125783.D

Injection Date: 16-Sep-2015 01:10:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-9-B

Lab Sample ID: 460-100972-9

Client ID: WC-9

Operator ID: BNA 12

ALS Bottle#: 23

Worklist Smp#: 23

Injection Vol: 1.0 ul

Dil. Factor: 5.0000

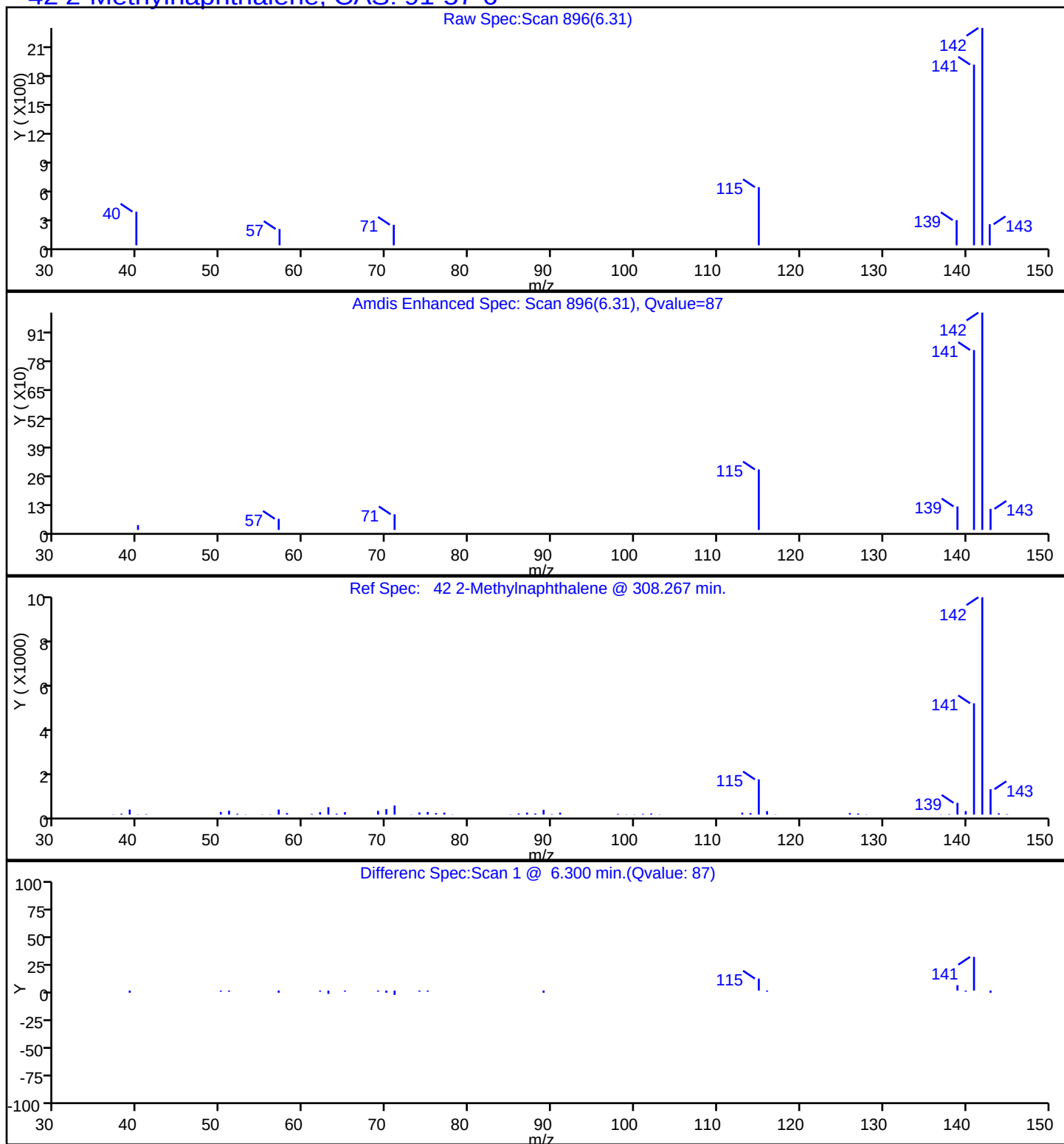
Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

42 2-Methylnaphthalene, CAS: 91-57-6



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150915-31799.b\L125783.D

Injection Date: 16-Sep-2015 01:10:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-9-B

Lab Sample ID: 460-100972-9

Client ID: WC-9

Operator ID: BNA 12

ALS Bottle#: 23

Worklist Smp#: 23

Injection Vol: 1.0 ul

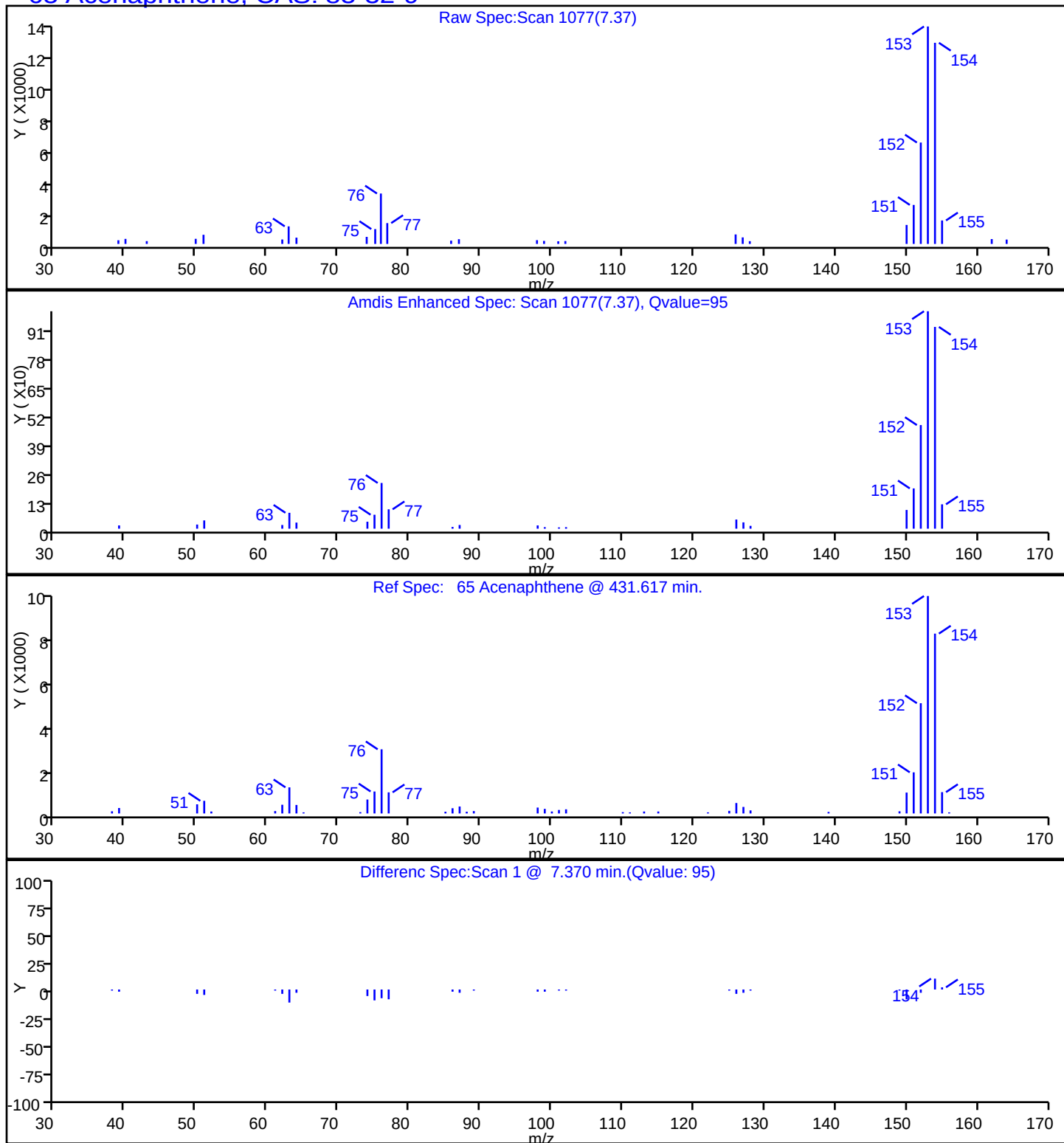
Dil. Factor: 5.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

65 Acenaphthene, CAS: 83-32-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150915-31799.b\L125783.D

Injection Date: 16-Sep-2015 01:10:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-9-B

Lab Sample ID: 460-100972-9

Client ID: WC-9

Operator ID: BNA 12

ALS Bottle#: 23

Worklist Smp#: 23

Injection Vol: 1.0 ul

Dil. Factor: 5.0000

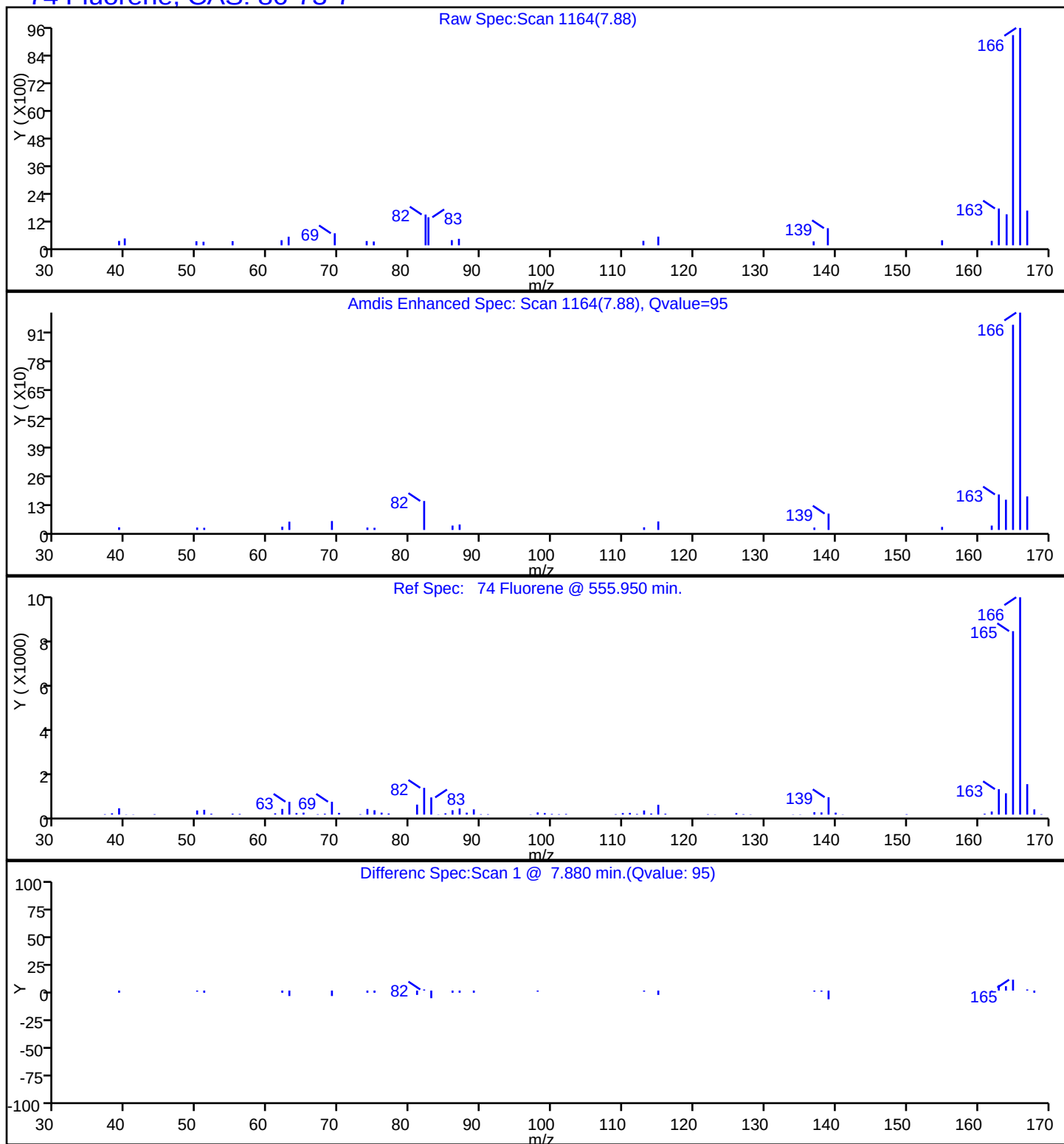
Method: 8270_12R_9

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\\CBNAMS12\\20150915-31799.b\\L125783.D

Injection Date: 16-Sep-2015 01:10:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-9-B

Lab Sample ID: 460-100972-9

Client ID: WC-9

Operator ID: BNA 12

ALS Bottle#: 23

Worklist Smp#: 23

Injection Vol: 1.0 ul

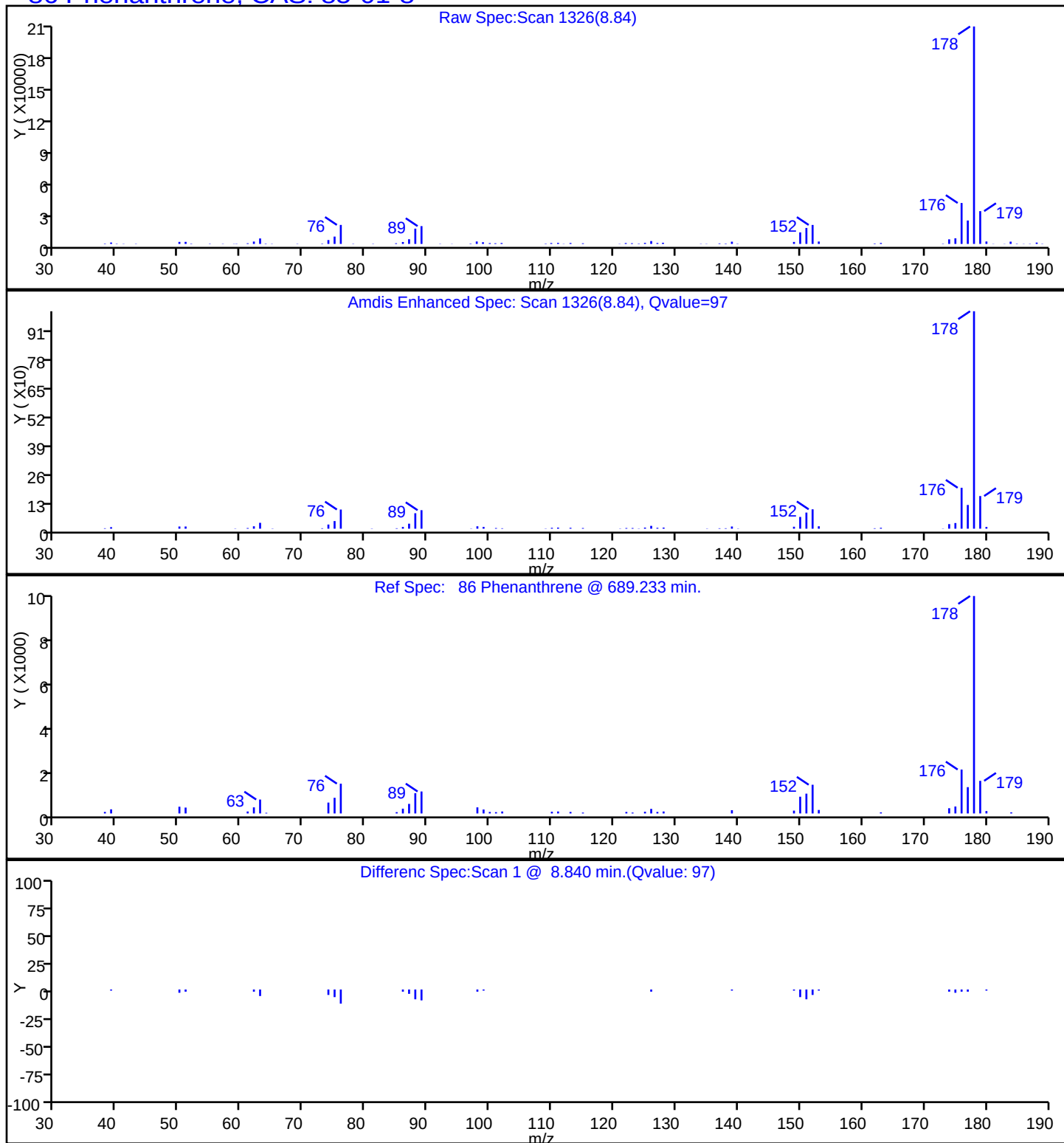
Dil. Factor: 5.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

86 Phenanthrene, CAS: 85-01-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150915-31799.b\L125783.D

Injection Date: 16-Sep-2015 01:10:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-9-B

Lab Sample ID: 460-100972-9

Client ID: WC-9

Operator ID: BNA 12

ALS Bottle#: 23

Worklist Smp#: 23

Injection Vol: 1.0 ul

Dil. Factor: 5.0000

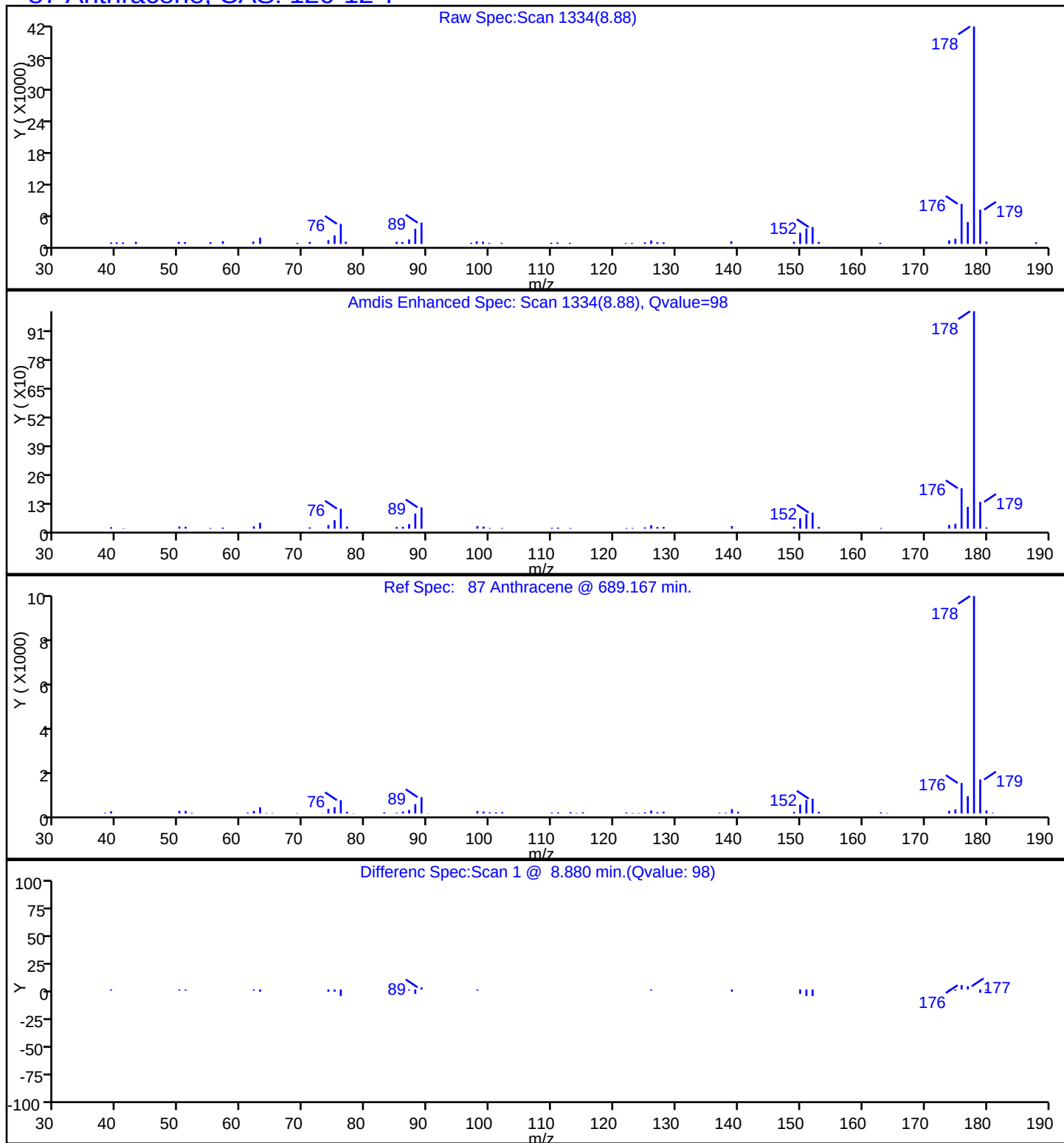
Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

87 Anthracene, CAS: 120-12-7



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20150915-31799.b\\L125783.D

Injection Date: 16-Sep-2015 01:10:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-9-B

Lab Sample ID: 460-100972-9

Client ID: WC-9

Operator ID: BNA 12

ALS Bottle#: 23

Worklist Smp#: 23

Injection Vol: 1.0 ul

Dil. Factor: 5.0000

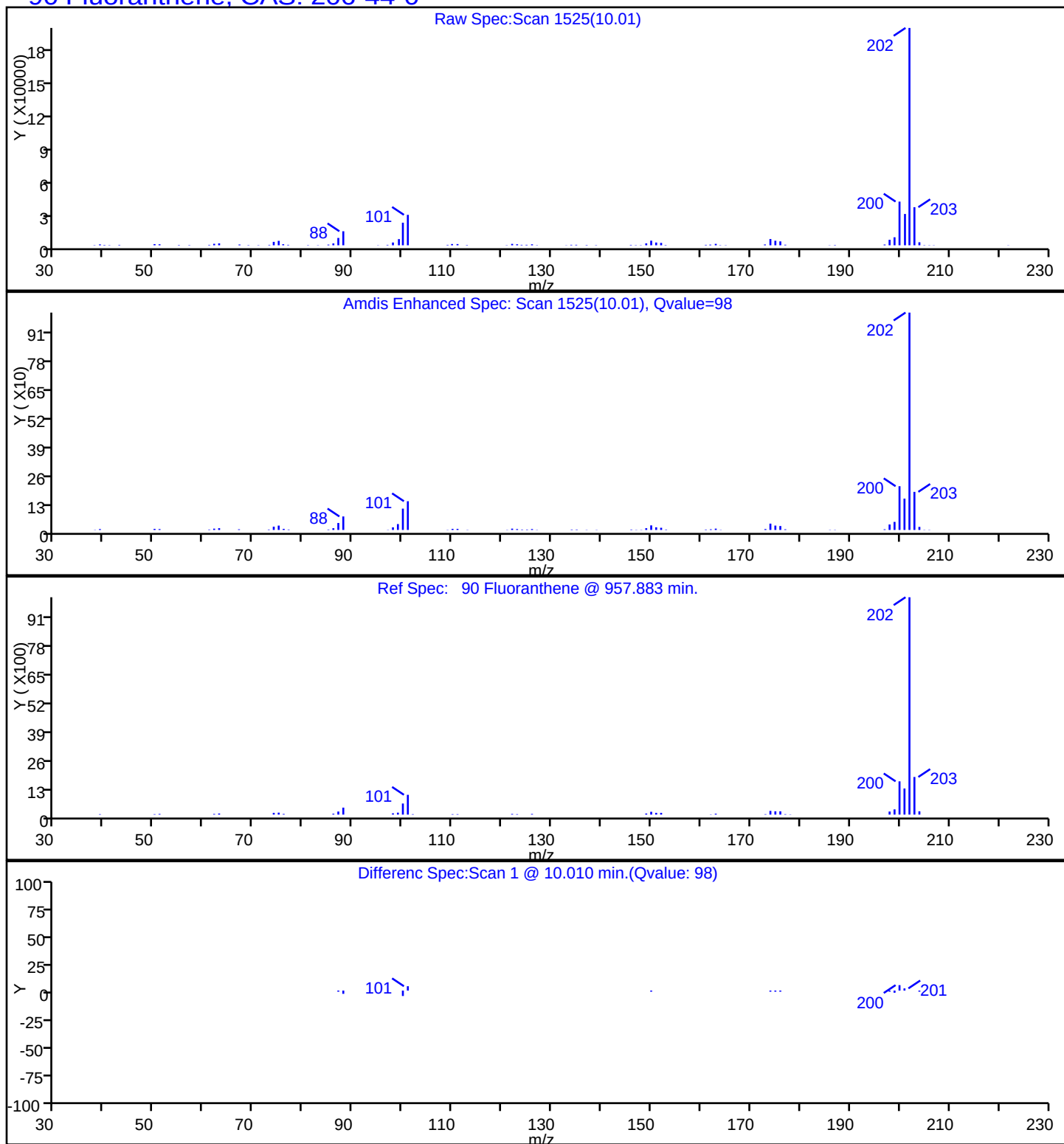
Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

90 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150915-31799.b\L125783.D

Injection Date: 16-Sep-2015 01:10:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-9-B

Lab Sample ID: 460-100972-9

Client ID: WC-9

Operator ID: BNA 12

ALS Bottle#: 23

Worklist Smp#: 23

Injection Vol: 1.0 ul

Dil. Factor: 5.0000

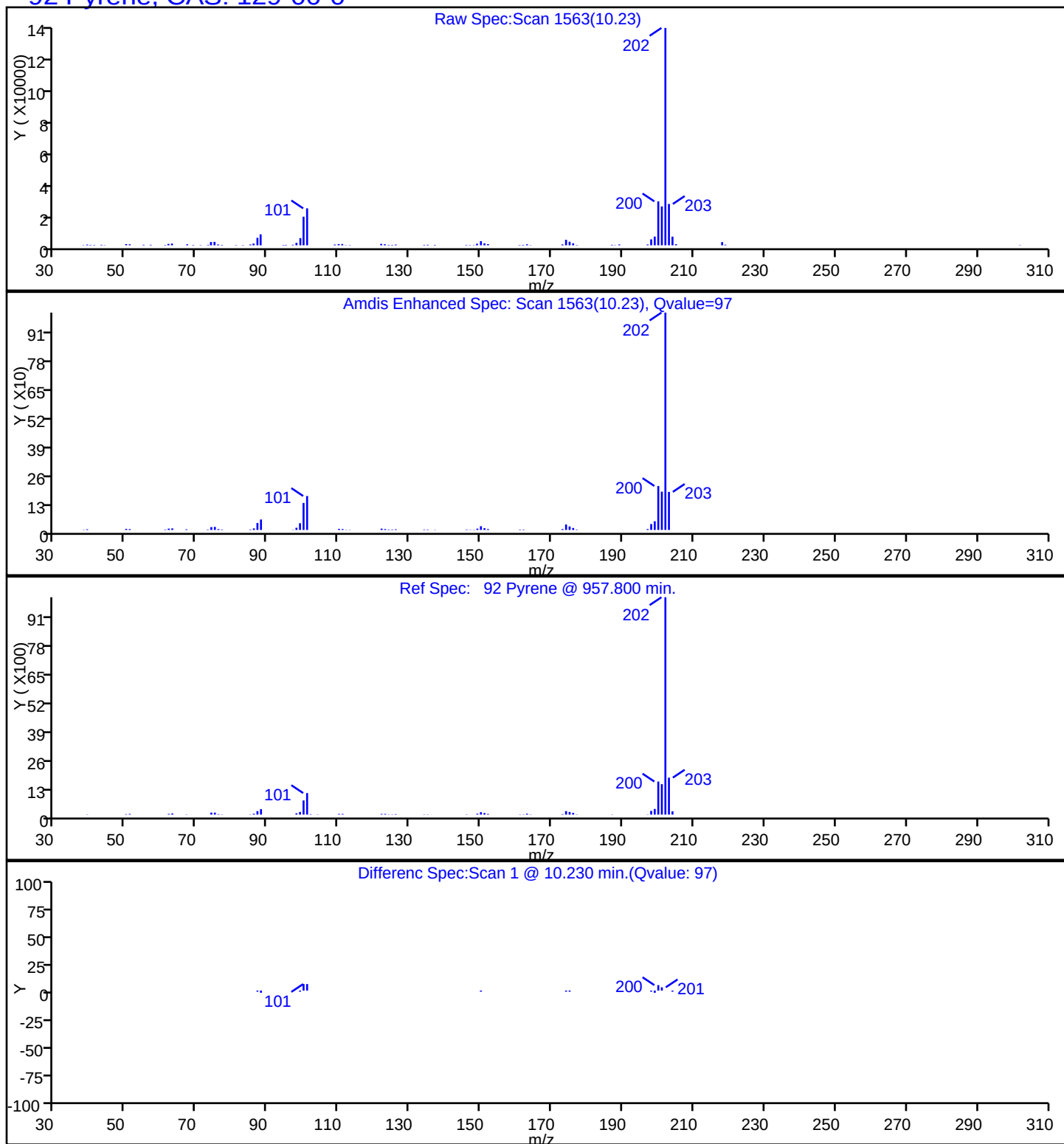
Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

92 Pyrene, CAS: 129-00-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150915-31799.b\L125783.D

Injection Date: 16-Sep-2015 01:10:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-9-B

Lab Sample ID: 460-100972-9

Client ID: WC-9

Operator ID: BNA 12

ALS Bottle#: 23

Worklist Smp#: 23

Injection Vol: 1.0 ul

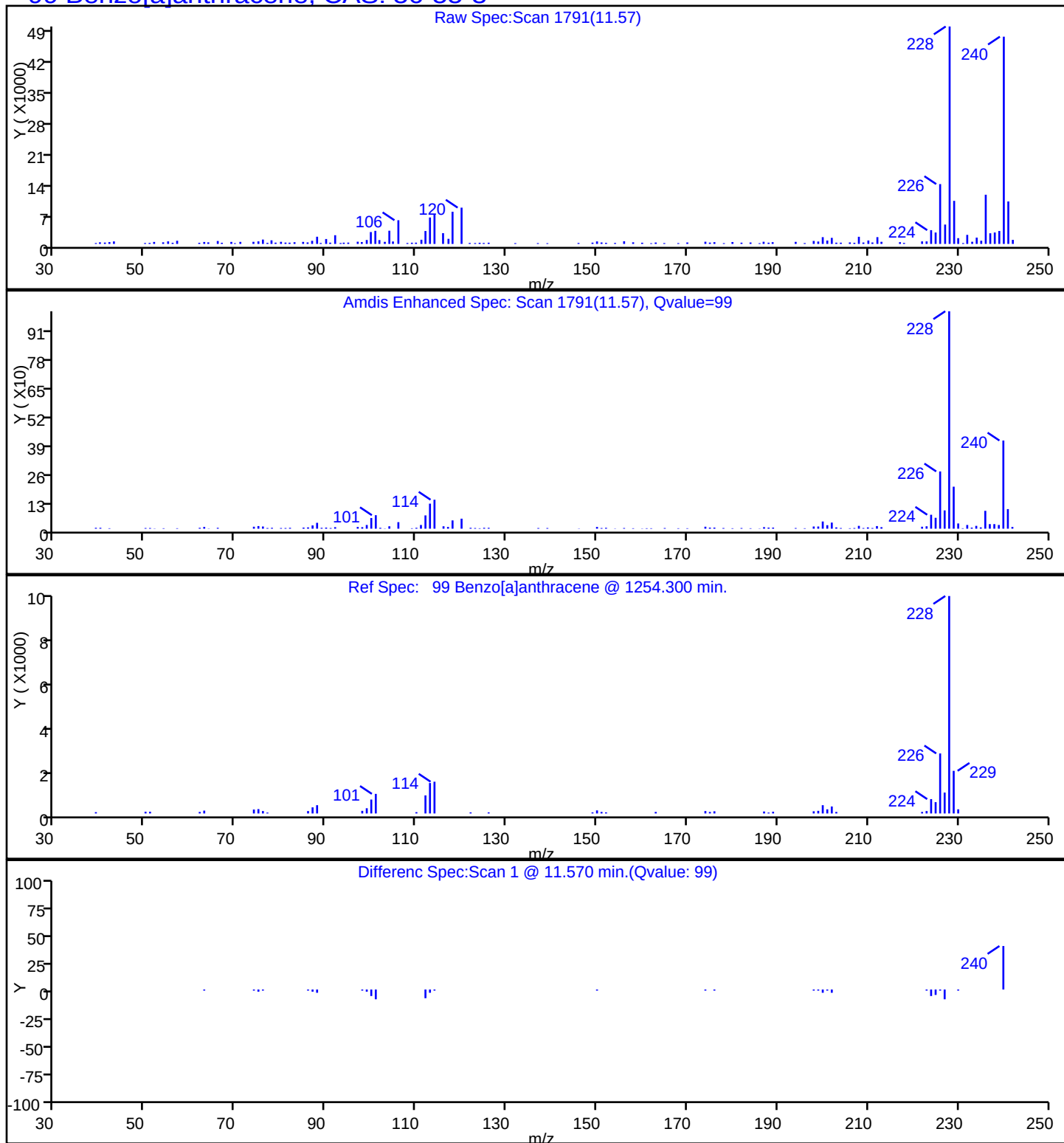
Dil. Factor: 5.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150915-31799.b\L125783.D

Injection Date: 16-Sep-2015 01:10:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-9-B

Lab Sample ID: 460-100972-9

Client ID: WC-9

Operator ID: BNA 12

ALS Bottle#: 23

Worklist Smp#: 23

Injection Vol: 1.0 ul

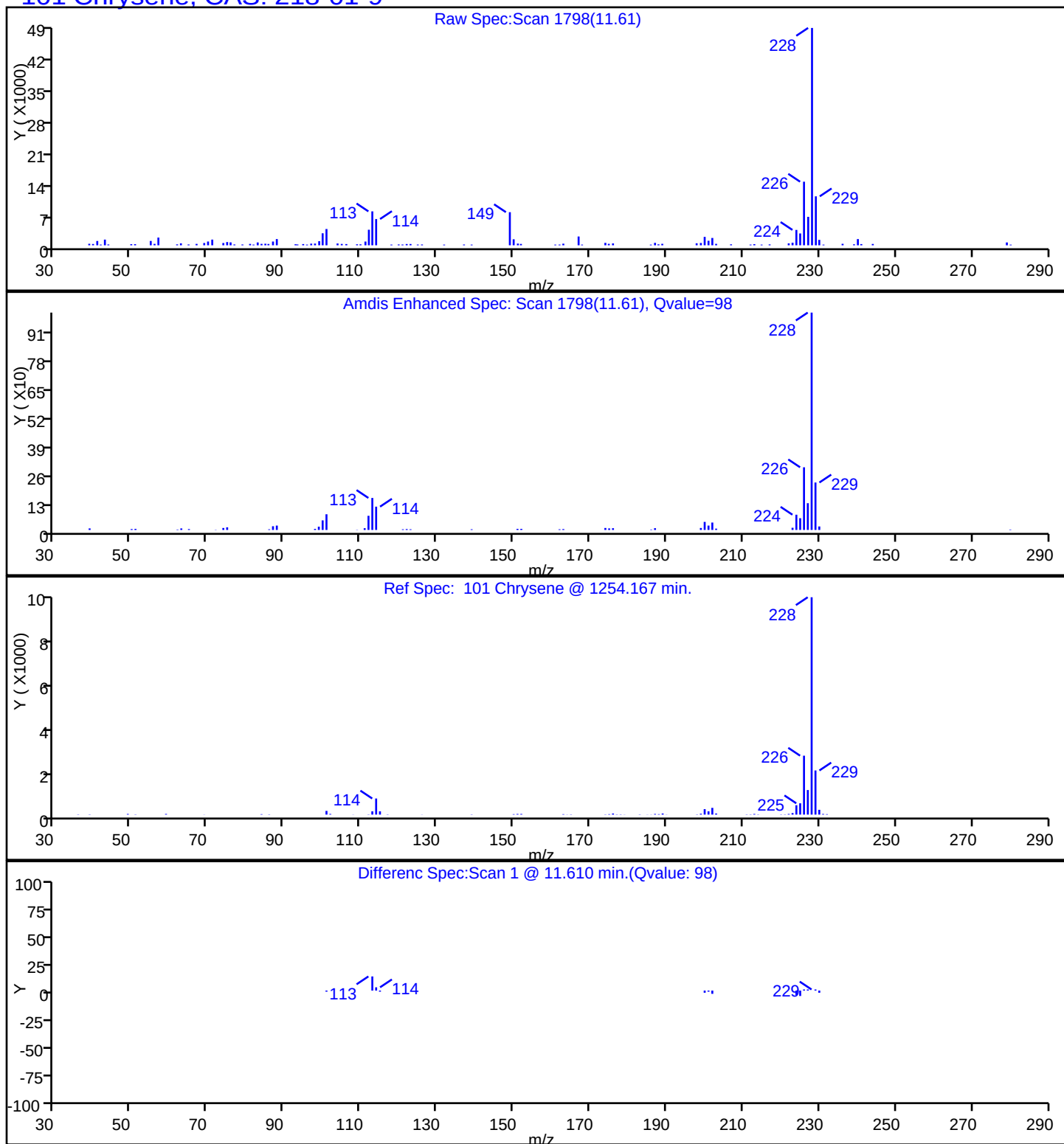
Dil. Factor: 5.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

101 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150915-31799.b\L125783.D

Injection Date: 16-Sep-2015 01:10:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-9-B

Lab Sample ID: 460-100972-9

Client ID: WC-9

Operator ID: BNA 12

ALS Bottle#: 23

Worklist Smp#: 23

Injection Vol: 1.0 ul

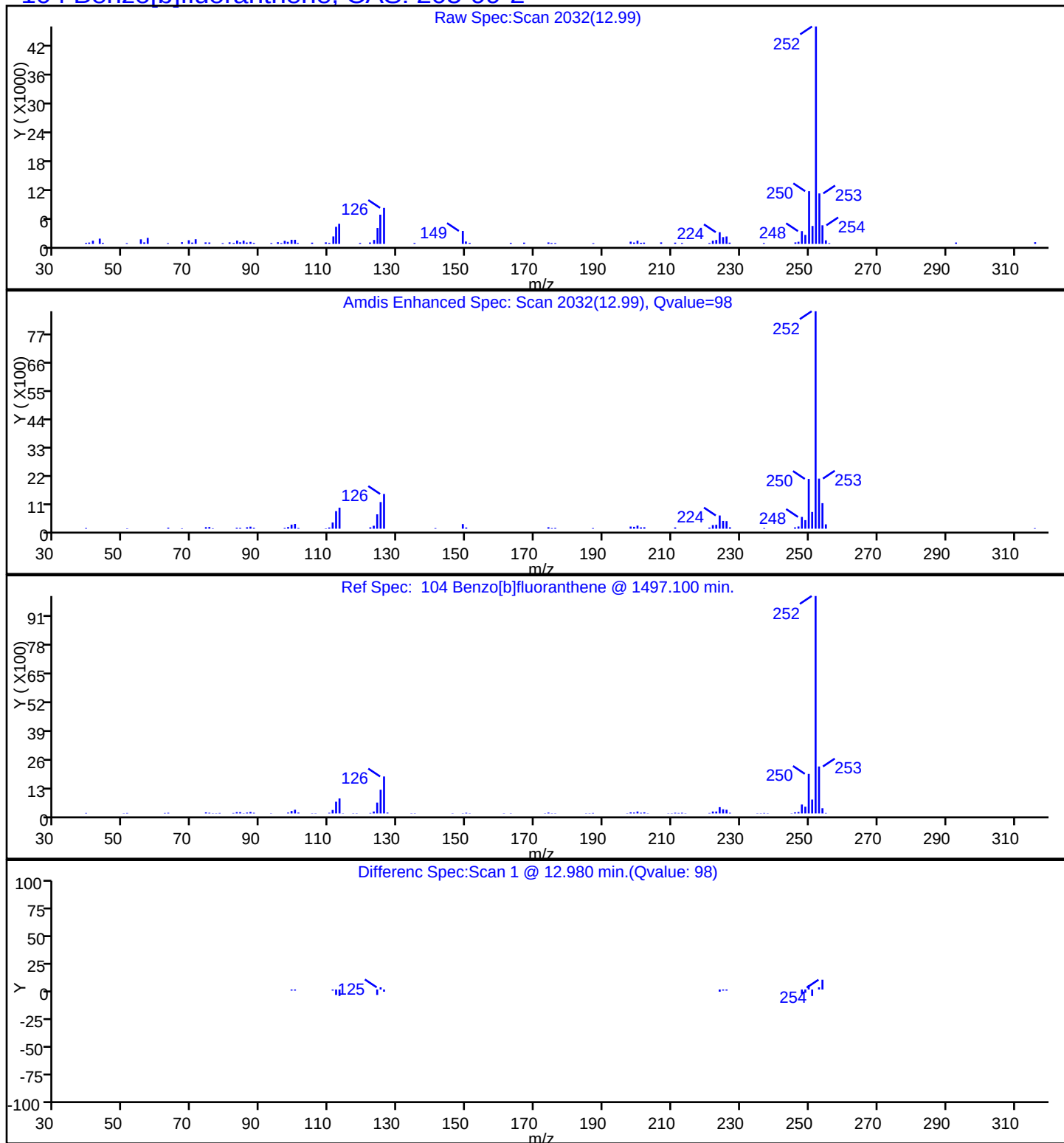
Dil. Factor: 5.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150915-31799.b\L125783.D

Injection Date: 16-Sep-2015 01:10:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-9-B

Lab Sample ID: 460-100972-9

Client ID: WC-9

Operator ID: BNA 12

ALS Bottle#: 23

Worklist Smp#: 23

Injection Vol: 1.0 ul

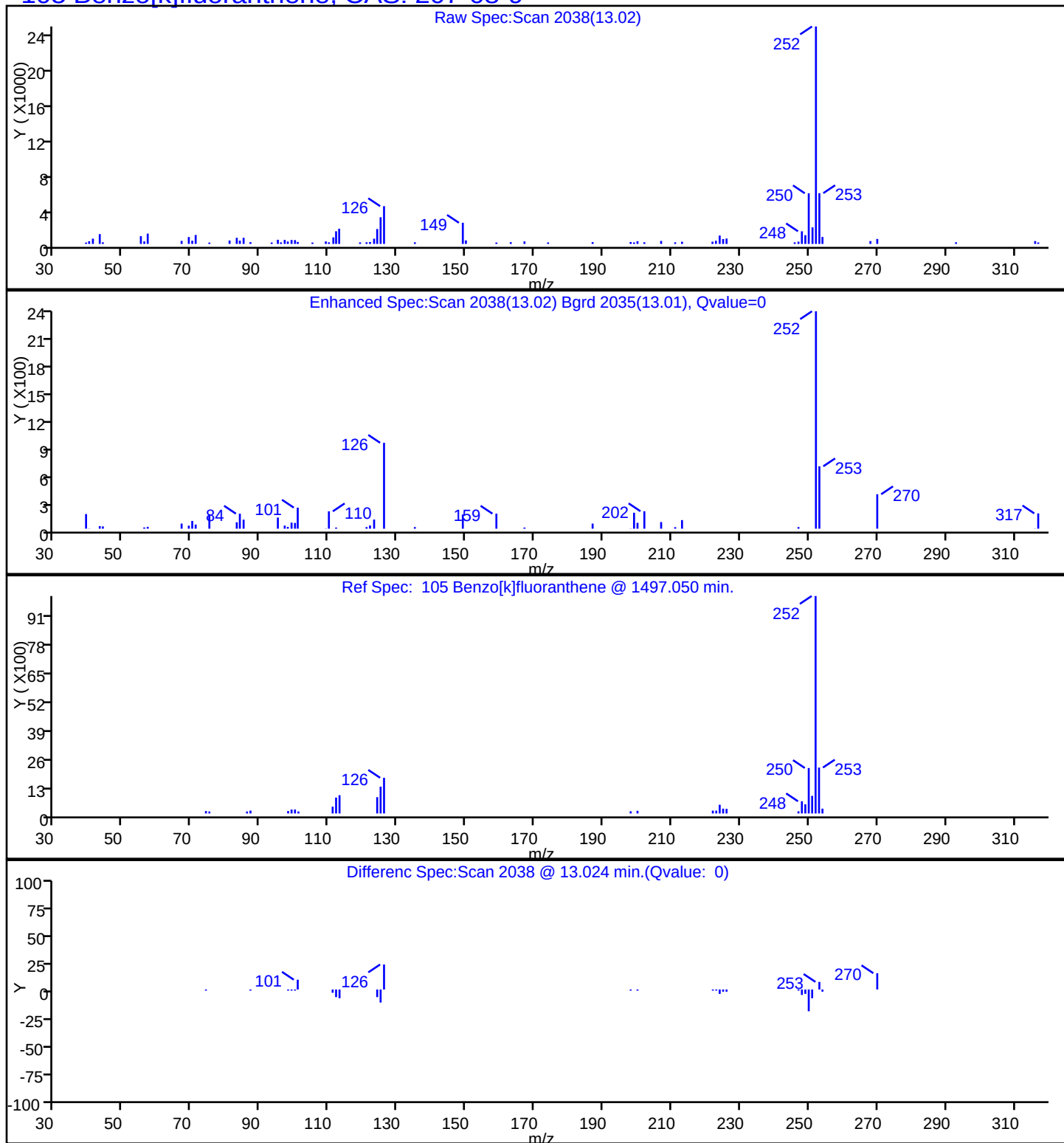
Dil. Factor: 5.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20150915-31799.b\\L125783.D

Injection Date: 16-Sep-2015 01:10:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-9-B

Lab Sample ID: 460-100972-9

Client ID: WC-9

Operator ID: BNA 12

ALS Bottle#: 23

Worklist Smp#: 23

Injection Vol: 1.0 ul

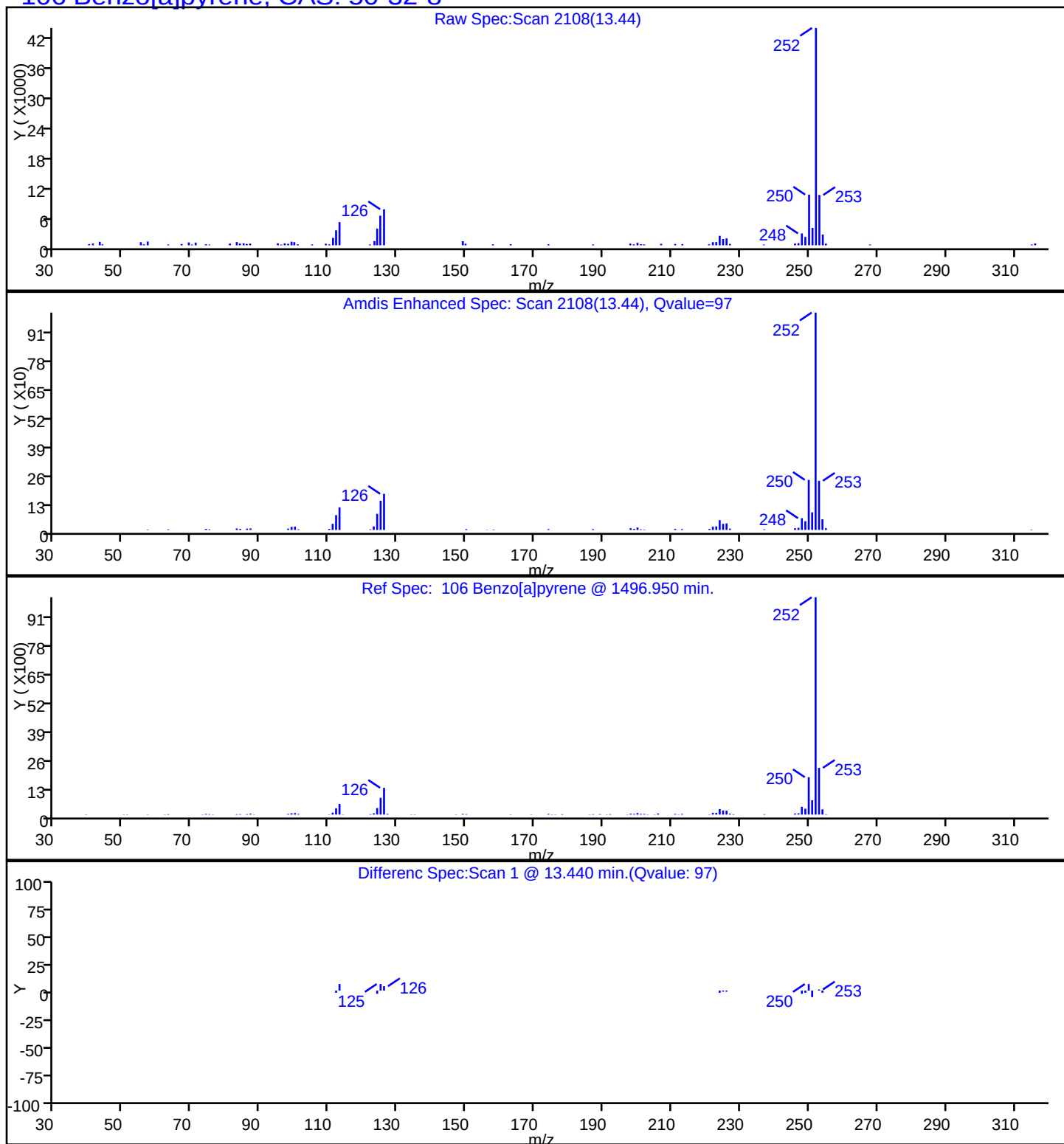
Dil. Factor: 5.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150915-31799.b\L125783.D

Injection Date: 16-Sep-2015 01:10:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-9-B

Lab Sample ID: 460-100972-9

Client ID: WC-9

Operator ID: BNA 12

ALS Bottle#: 23

Worklist Smp#: 23

Injection Vol: 1.0 ul

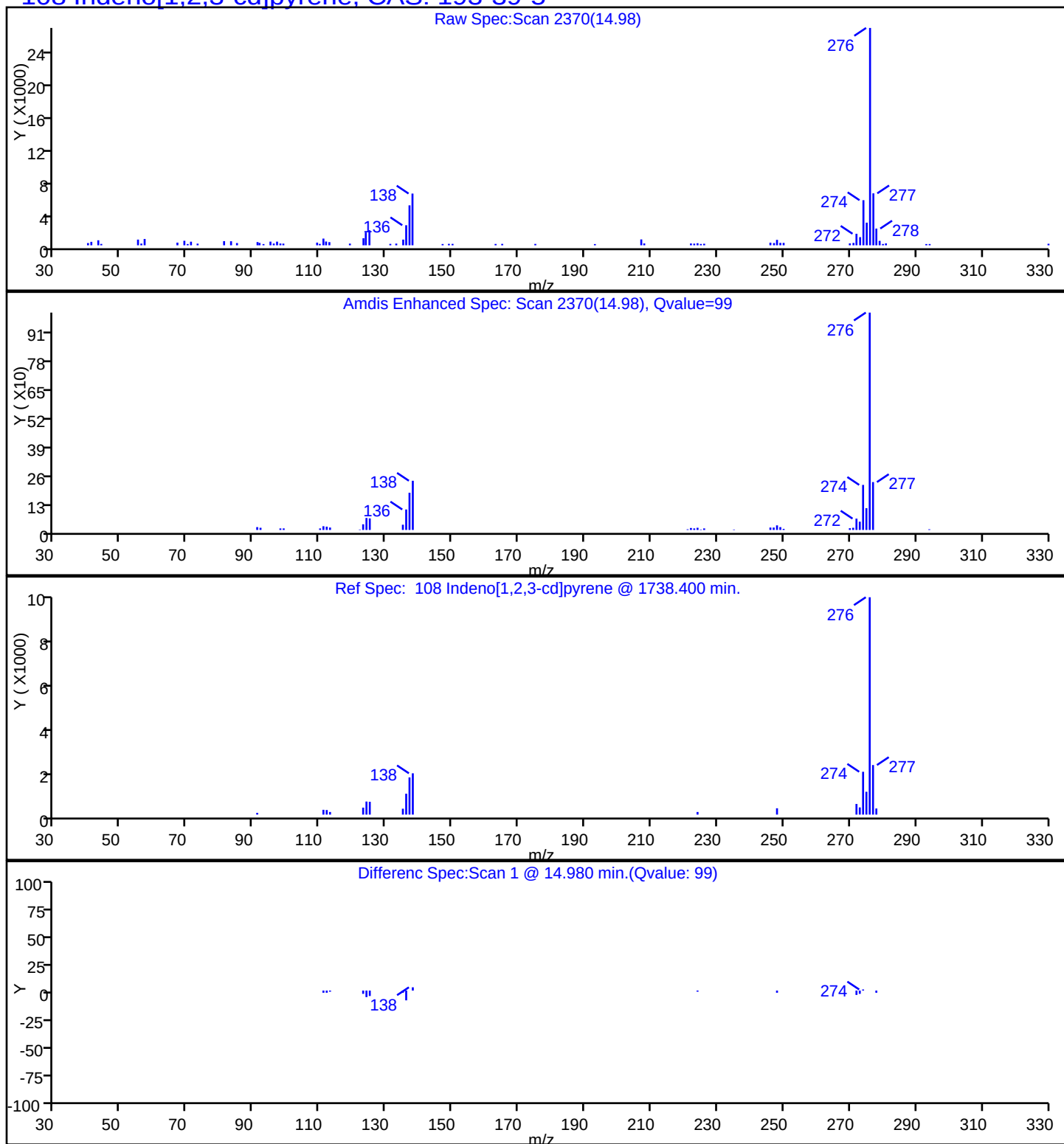
Dil. Factor: 5.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20150915-31799.b\\L125783.D

Injection Date: 16-Sep-2015 01:10:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-9-B

Lab Sample ID: 460-100972-9

Client ID: WC-9

Operator ID: BNA 12

ALS Bottle#: 23

Worklist Smp#: 23

Injection Vol: 1.0 ul

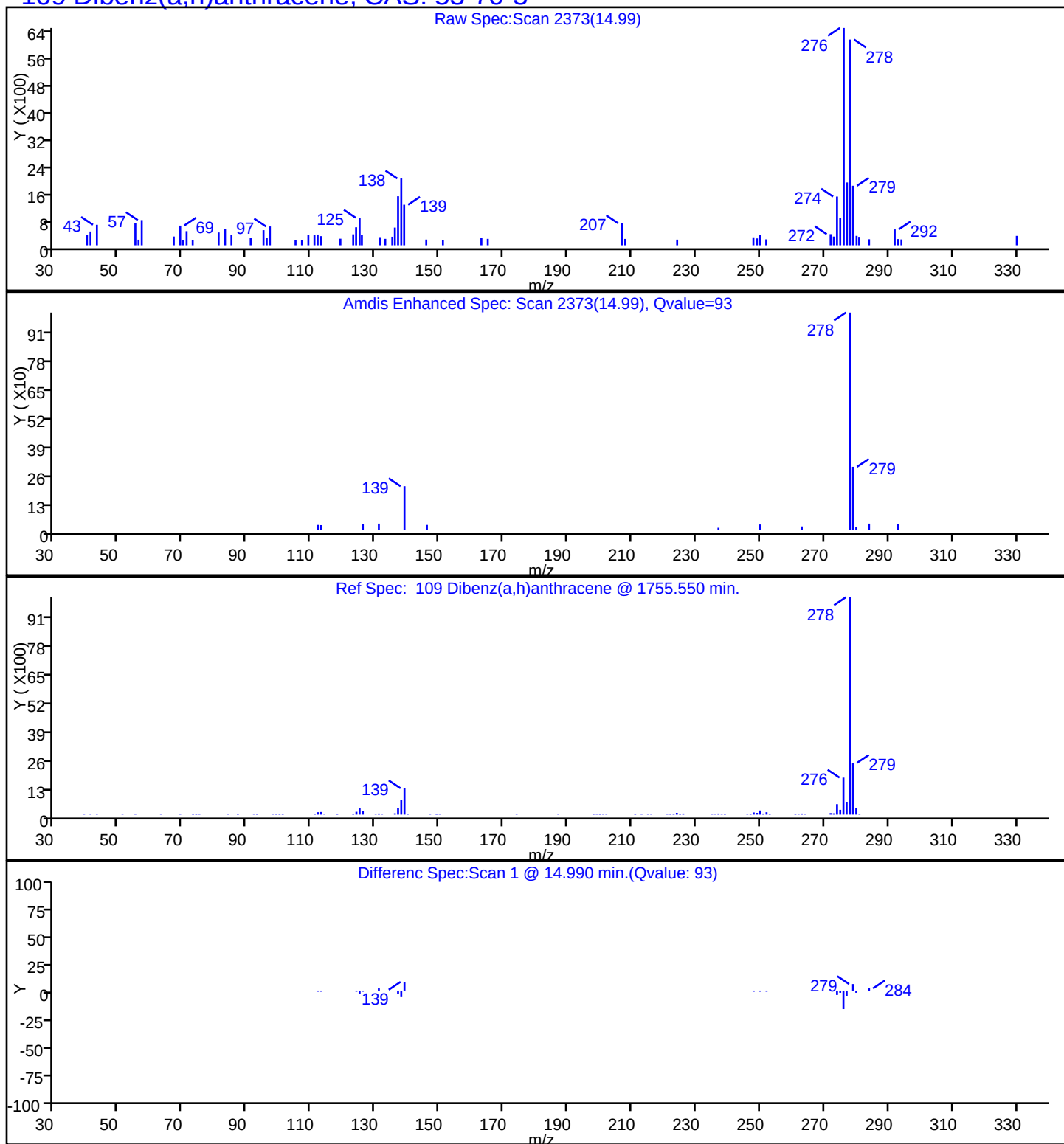
Dil. Factor: 5.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150915-31799.b\L125783.D

Injection Date: 16-Sep-2015 01:10:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-9-B

Lab Sample ID: 460-100972-9

Client ID: WC-9

Operator ID: BNA 12

ALS Bottle#: 23

Worklist Smp#: 23

Injection Vol: 1.0 ul

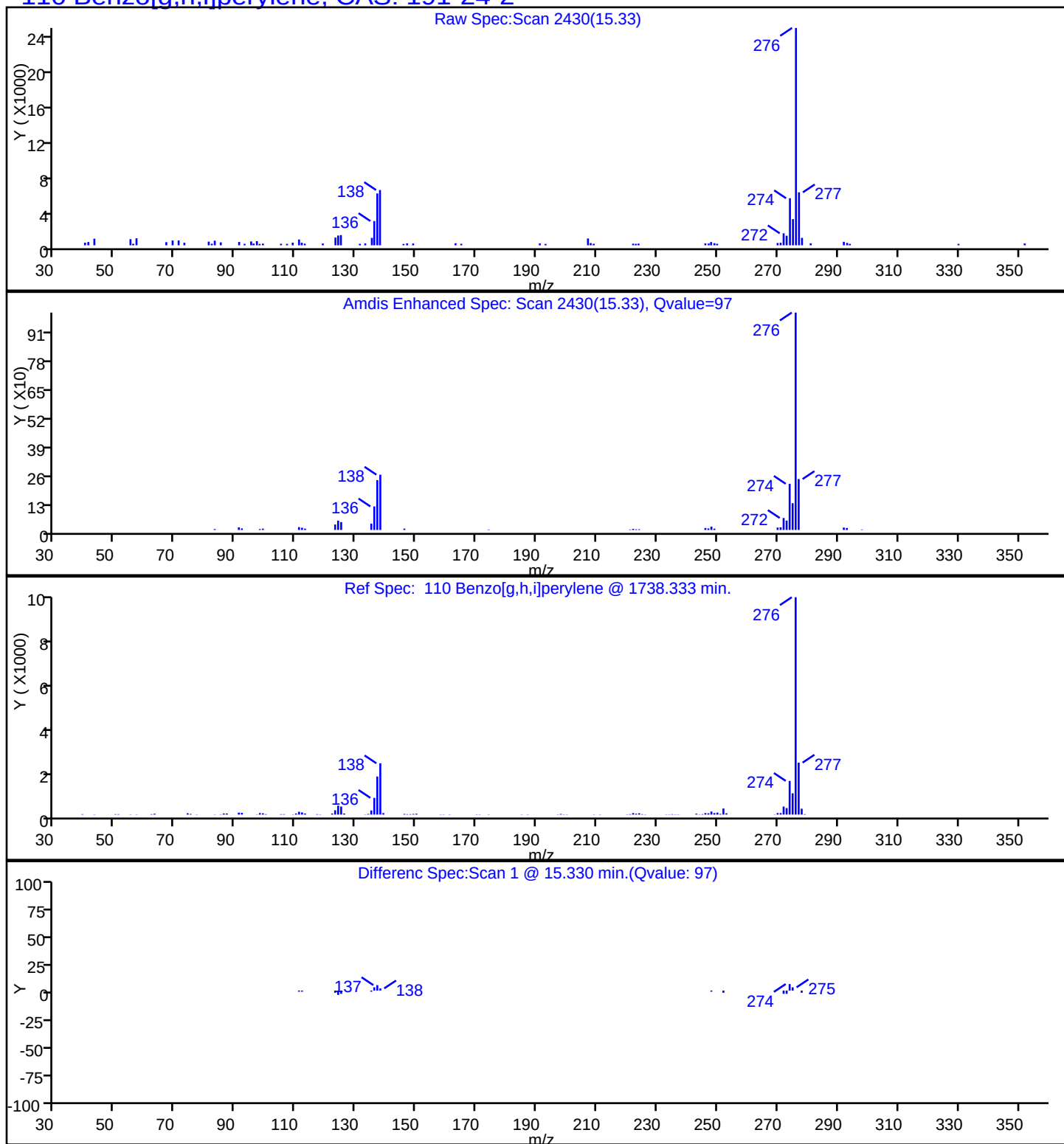
Dil. Factor: 5.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

110 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>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-10</u>	Lab Sample ID: <u>460-100972-10</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z36373.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>09/11/2015 10:01</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>09/14/2015 08:46</u>
Sample wt/vol: <u>15.0342(g)</u>	Date Analyzed: <u>09/16/2015 12:55</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>15.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322656</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.10	J	0.78	0.020
91-57-6	2-Methylnaphthalene	0.032	J	0.78	0.017
208-96-8	Acenaphthylene	0.023	J	0.78	0.020
83-32-9	Acenaphthene	0.27	J	0.78	0.019
86-73-7	Fluorene	0.25	J	0.78	0.017
85-01-8	Phenanthrene	3.2		0.78	0.021
120-12-7	Anthracene	0.84		0.78	0.074
206-44-0	Fluoranthene	5.9		0.78	0.023
129-00-0	Pyrene	4.9		0.78	0.035
56-55-3	Benzo[a]anthracene	2.7		0.078	0.065
218-01-9	Chrysene	3.1		0.78	0.021
205-99-2	Benzo[b]fluoranthene	2.8		0.078	0.030
207-08-9	Benzo[k]fluoranthene	1.1		0.078	0.034
50-32-8	Benzo[a]pyrene	2.2		0.078	0.024
193-39-5	Indeno[1,2,3-cd]pyrene	1.6		0.078	0.052
53-70-3	Dibenz(a,h)anthracene	0.43		0.078	0.040
191-24-2	Benzo[g,h,i]perylene	1.3		0.78	0.045

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	62		30-130
1718-51-0	Terphenyl-d14	68		30-130
321-60-8	2-Fluorobiphenyl	78		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150916-31819.b\z36373.D
 Lims ID: 460-100972-A-10-B Lab Sample ID: 460-100972-10
 Client ID: WC-10
 Sample Type: Client
 Inject. Date: 16-Sep-2015 12:55:30 ALS Bottle#: 17 Worklist Smp#: 17
 Injection Vol: 1.0 ul Dil. Factor: 2.0000
 Sample Info: 460-0031819-017
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150916-31819.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 16-Sep-2015 13:48:39 Calib Date: 10-Sep-2015 07:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150909-31608.b\z36210.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK049

First Level Reviewer: bayoumiw

Date: 16-Sep-2015 13:48:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	4.504	4.498	0.006	97	285803	40.0	
\$ 26 Nitrobenzene-d5	82	5.051	5.063	-0.012	88	157212	15.5	
* 38 Naphthalene-d8	136	5.787	5.786	0.001	99	964361	40.0	
39 Naphthalene	128	5.804	5.810	-0.006	99	16408	0.6425	
44 2-Methylnaphthalene	142	6.498	6.504	-0.006	82	3300	0.2070	
\$ 51 2-Fluorobiphenyl	172	6.869	6.875	-0.006	98	283690	19.6	
63 Acenaphthylene	152	7.404	7.410	-0.006	94	2724	0.1484	
* 65 Acenaphthene-d10	164	7.545	7.545	0.000	92	416716	40.0	
67 Acenaphthene	154	7.575	7.580	-0.005	94	20861	1.71	
74 Fluorene	166	8.086	8.092	-0.006	97	20047	1.62	
* 87 Phenanthrene-d10	188	9.016	9.016	0.000	99	461901	40.0	
88 Phenanthrene	178	9.039	9.045	-0.006	97	273668	20.7	
89 Anthracene	178	9.086	9.092	-0.006	98	69679	5.33	
92 Fluoranthene	202	10.222	10.221	0.001	98	407839	37.5	
94 Pyrene	202	10.451	10.457	-0.006	97	352015	31.2	
\$ 96 Terphenyl-d14	244	10.604	10.610	-0.006	99	129504	17.1	
101 Benzo[a]anthracene	228	11.833	11.833	0.000	99	139790	17.2	
* 102 Chrysene-d12	240	11.845	11.845	0.000	99	279052	40.0	
103 Chrysene	228	11.880	11.886	-0.006	99	140176	19.6	
106 Benzo[b]fluoranthene	252	13.286	13.286	0.000	98	175702	17.8	
107 Benzo[k]fluoranthene	252	13.321	13.321	0.000	12	75715	7.33	
108 Benzo[a]pyrene	252	13.745	13.739	0.006	96	124829	14.0	
* 109 Perylene-d12	264	13.827	13.815	0.012	98	348157	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.439	15.433	0.006	99	76201	10.3	
111 Dibenz(a,h)anthracene	278	15.468	15.468	0.000	33	18933	2.76	
112 Benzo[g,h,i]perylene	276	15.892	15.892	0.000	98	66637	8.01	

Reagents:

SM_ISTD_00092 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150916-31819.b\z36373.D

Injection Date: 16-Sep-2015 12:55:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: 460-100972-A-10-B

Lab Sample ID: 460-100972-10

Worklist Smp#: 17

Client ID: WC-10

Injection Vol: 1.0 ul

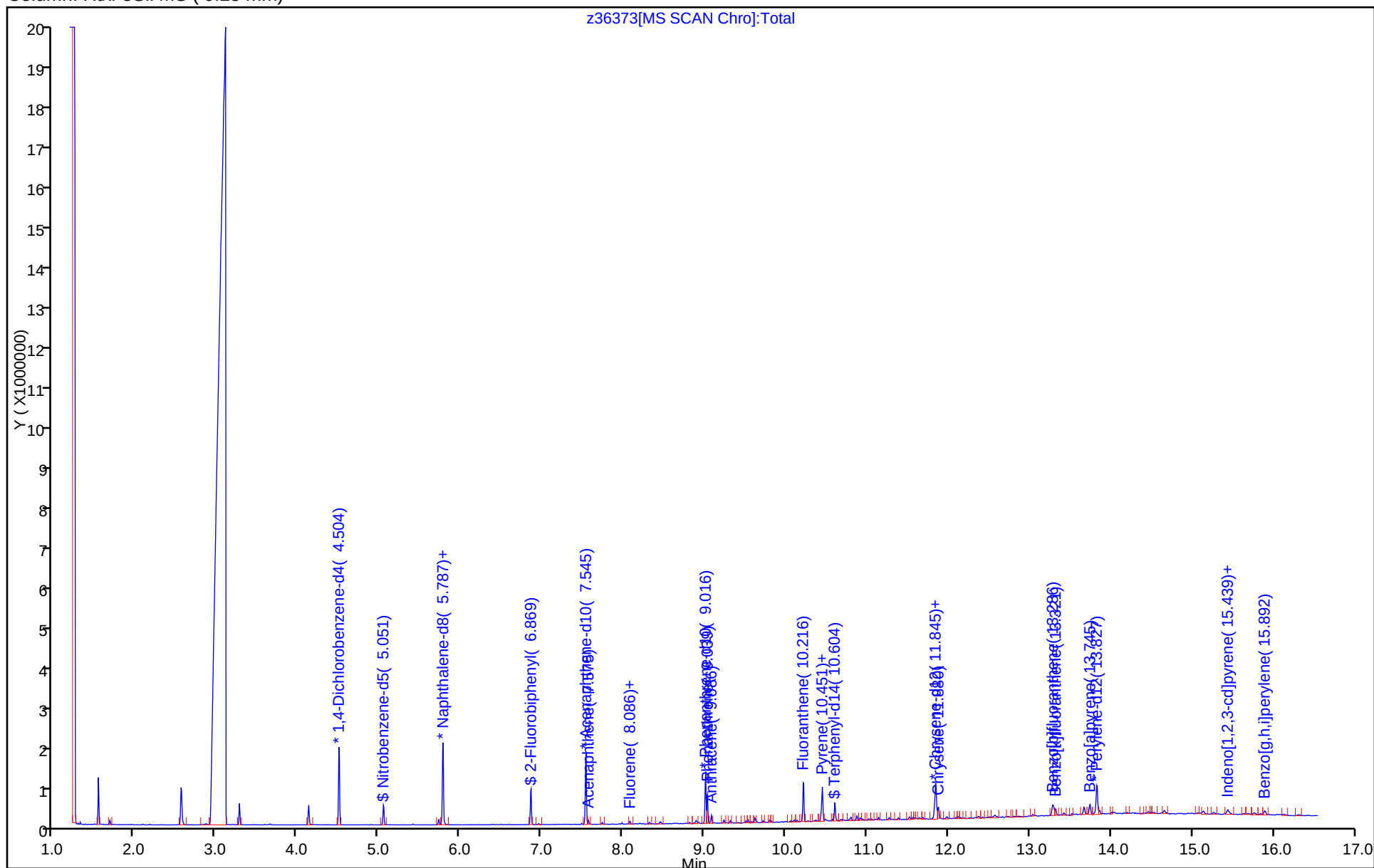
Dil. Factor: 2.0000

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\20150916-31819.b\z36373.D

Injection Date: 16-Sep-2015 12:55:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-10-B

Lab Sample ID: 460-100972-10

Client ID: WC-10

Operator ID:

ALS Bottle#:

Worklist Smp#: 17

Injection Vol: 1.0 ul

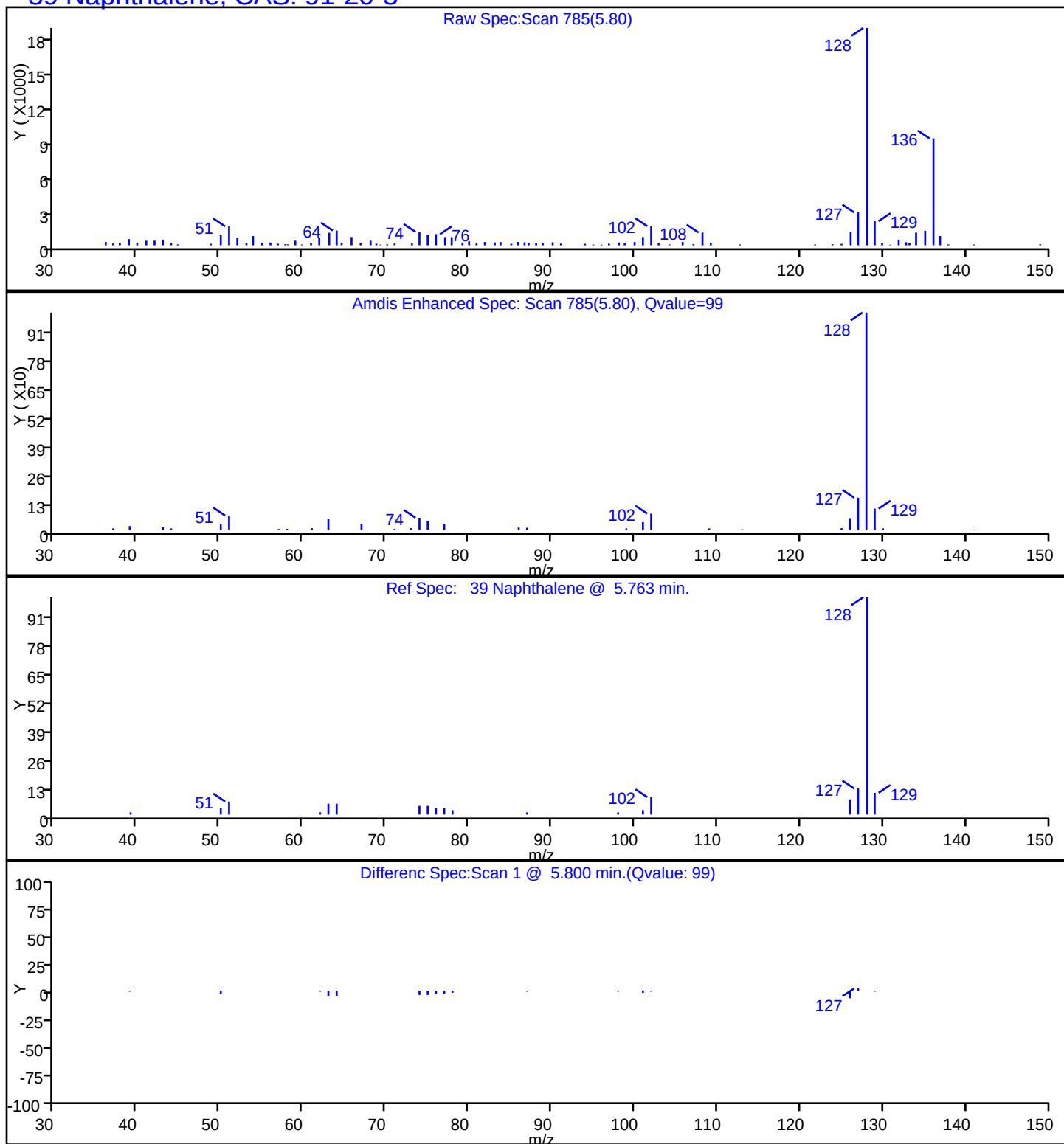
Dil. Factor: 2.0000

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\\20150916-31819.b\\z36373.D

Injection Date: 16-Sep-2015 12:55:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-10-B

Lab Sample ID: 460-100972-10

Client ID: WC-10

Operator ID:

ALS Bottle#: 17

Worklist Smp#: 17

Injection Vol: 1.0 ul

Dil. Factor: 2.0000

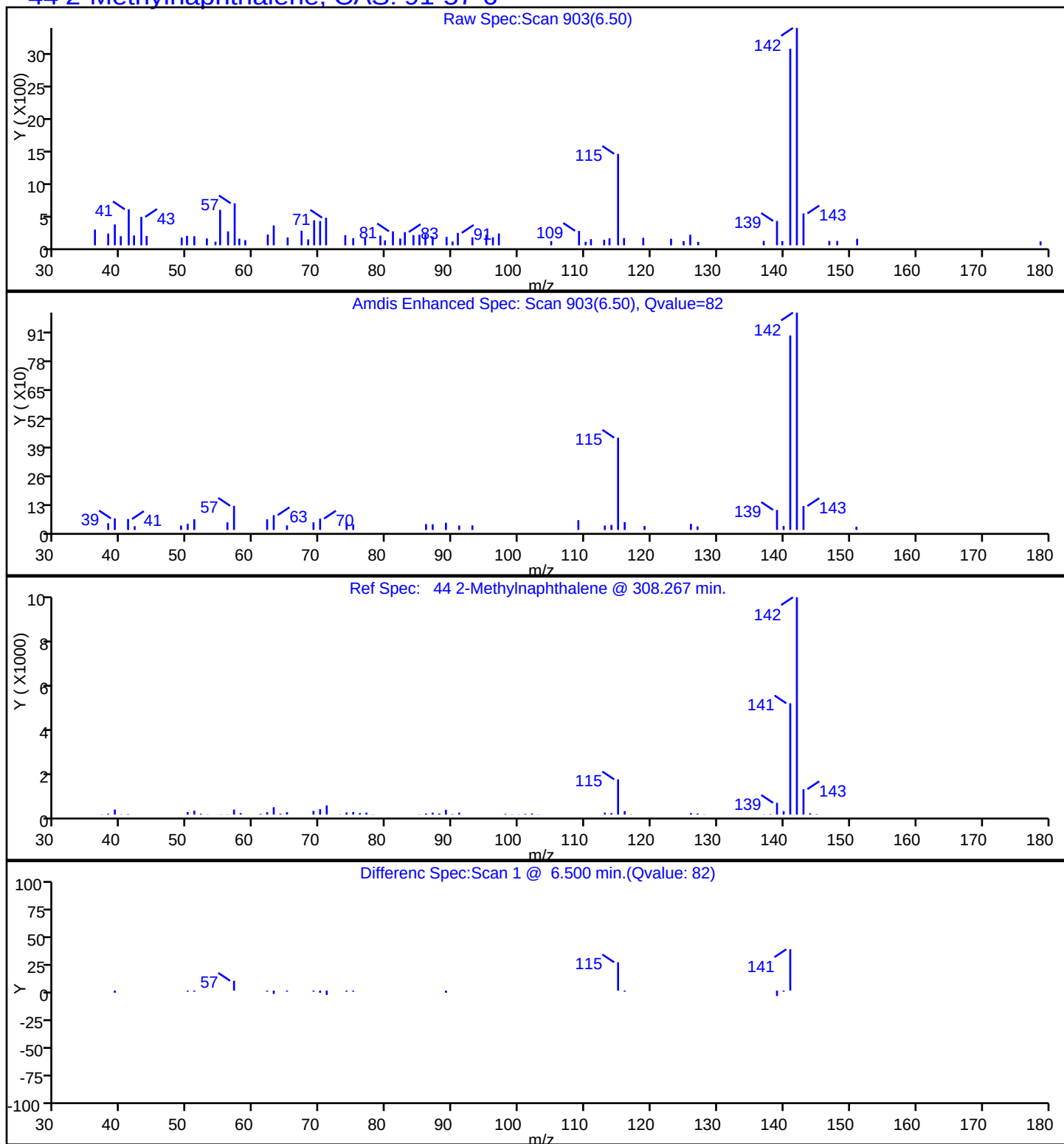
Method: 8270_11R_9

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\\20150916-31819.b\\z36373.D

Injection Date: 16-Sep-2015 12:55:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-10-B

Lab Sample ID: 460-100972-10

Client ID: WC-10

Operator ID:

ALS Bottle#: 17 Worklist Smp#: 17

Injection Vol: 1.0 ul

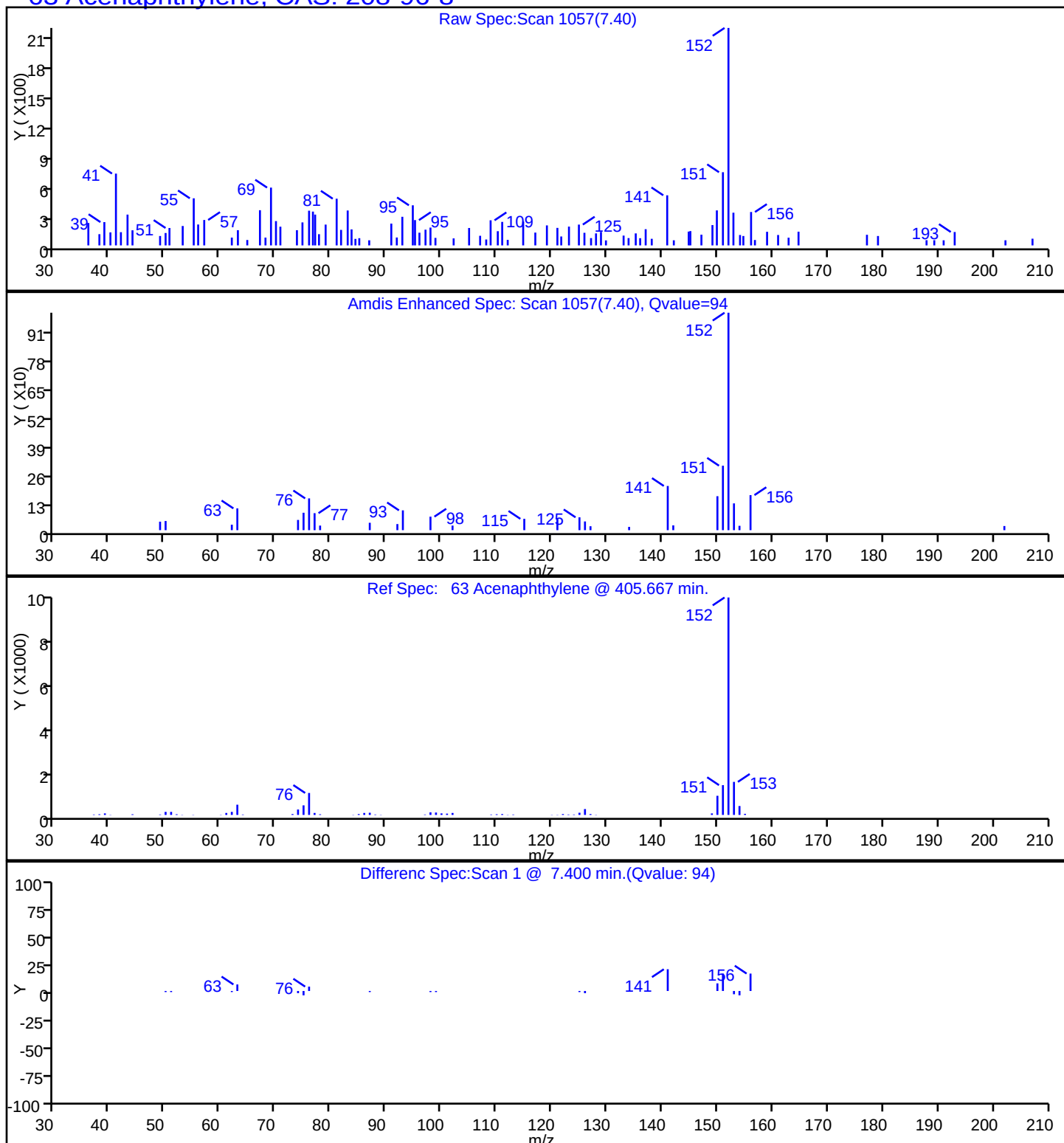
Dil. Factor: 2.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

63 Acenaphthylene, CAS: 208-96-8

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150916-31819.b\\z36373.D

Injection Date: 16-Sep-2015 12:55:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-10-B

Lab Sample ID: 460-100972-10

Client ID: WC-10

Operator ID:

ALS Bottle#: 17

Worklist Smp#: 17

Injection Vol: 1.0 ul

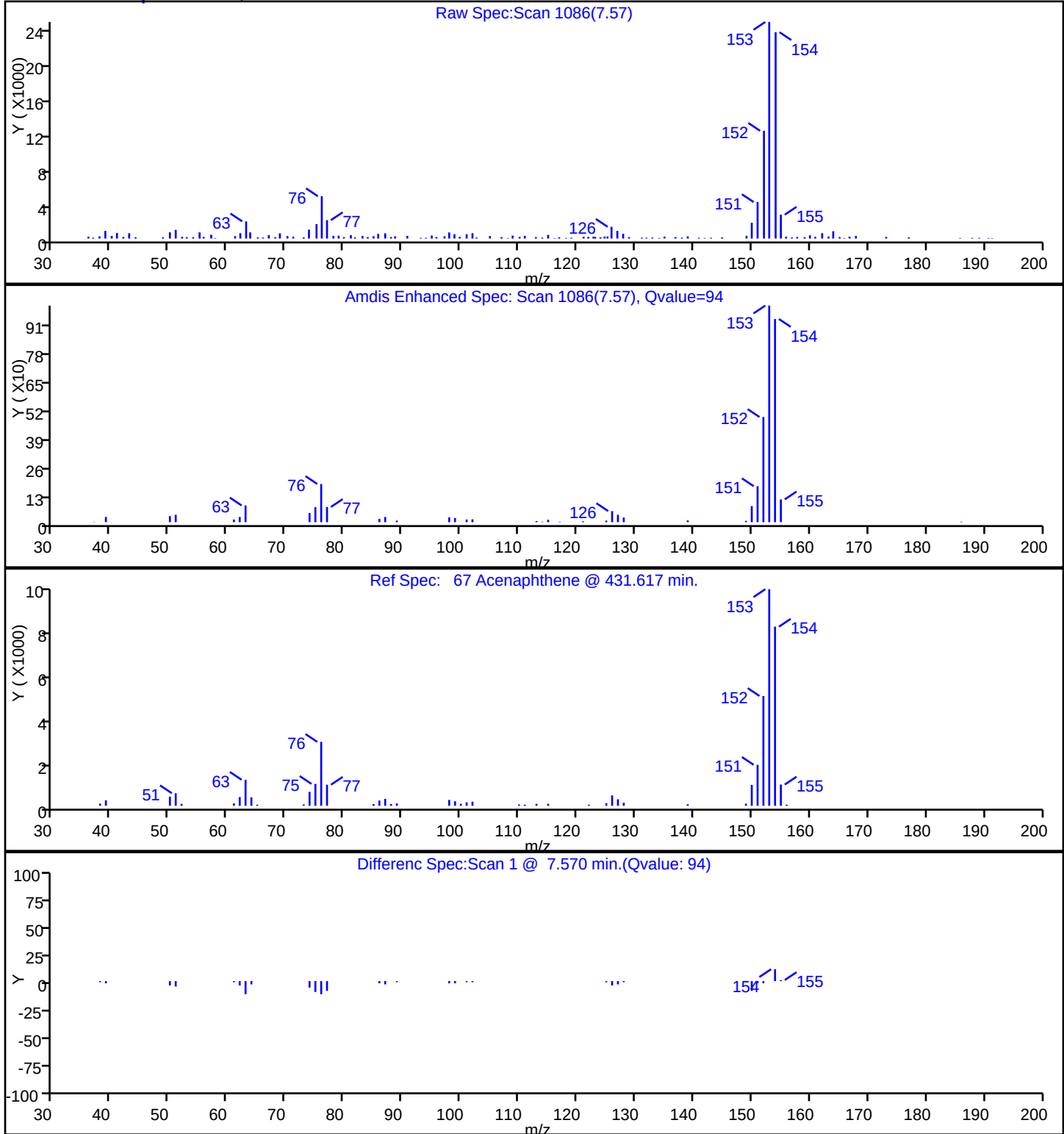
Dil. Factor: 2.0000

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\\20150916-31819.b\\z36373.D

Injection Date: 16-Sep-2015 12:55:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-10-B

Lab Sample ID: 460-100972-10

Client ID: WC-10

Operator ID:

ALS Bottle#: 17 Worklist Smp#: 17

Injection Vol: 1.0 ul

Dil. Factor: 2.0000

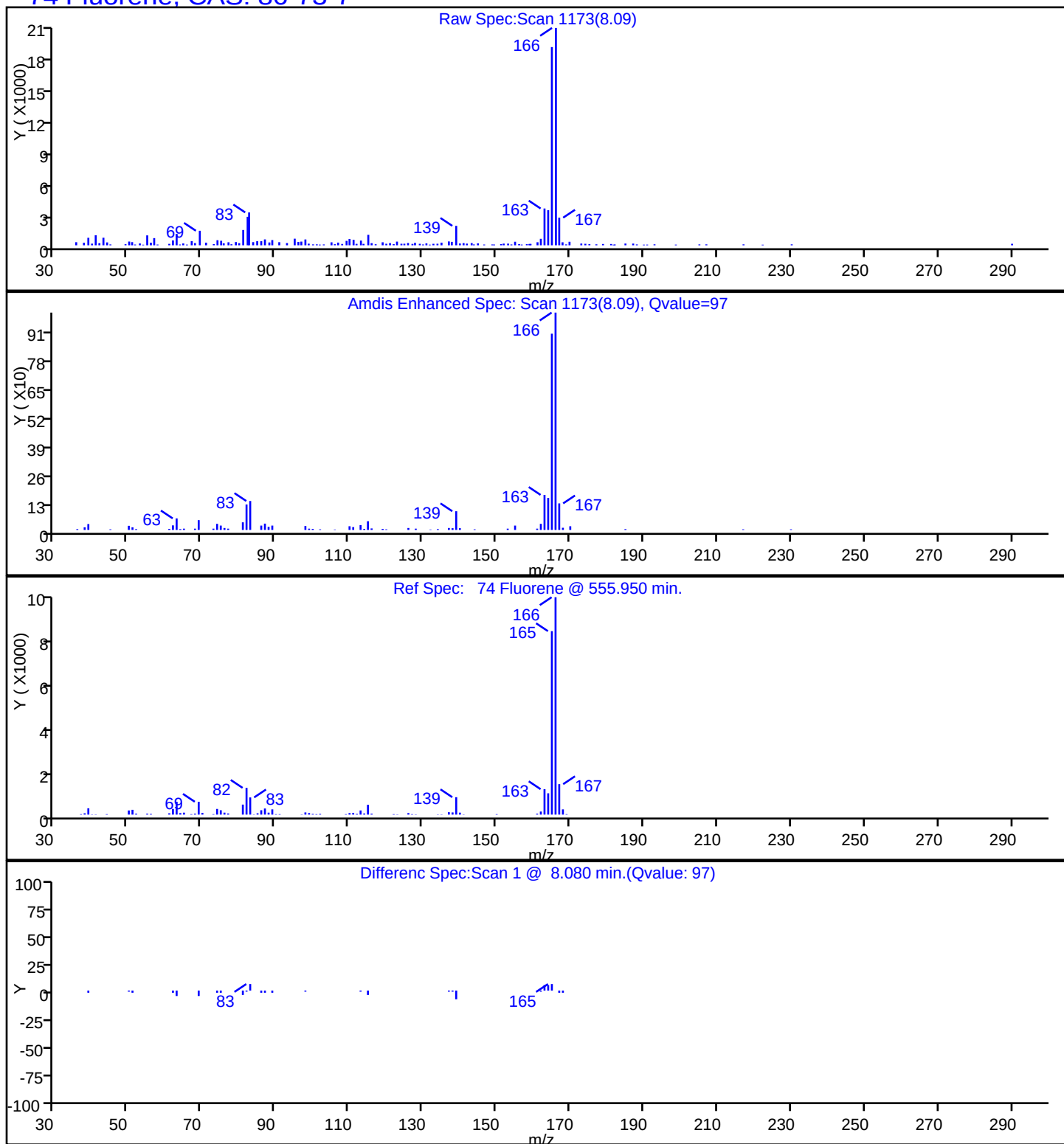
Method: 8270_11R_9

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\20150916-31819.b\z36373.D

Injection Date: 16-Sep-2015 12:55:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-10-B

Lab Sample ID: 460-100972-10

Client ID: WC-10

Operator ID:

ALS Bottle#: 17 Worklist Smp#: 17

Injection Vol: 1.0 ul

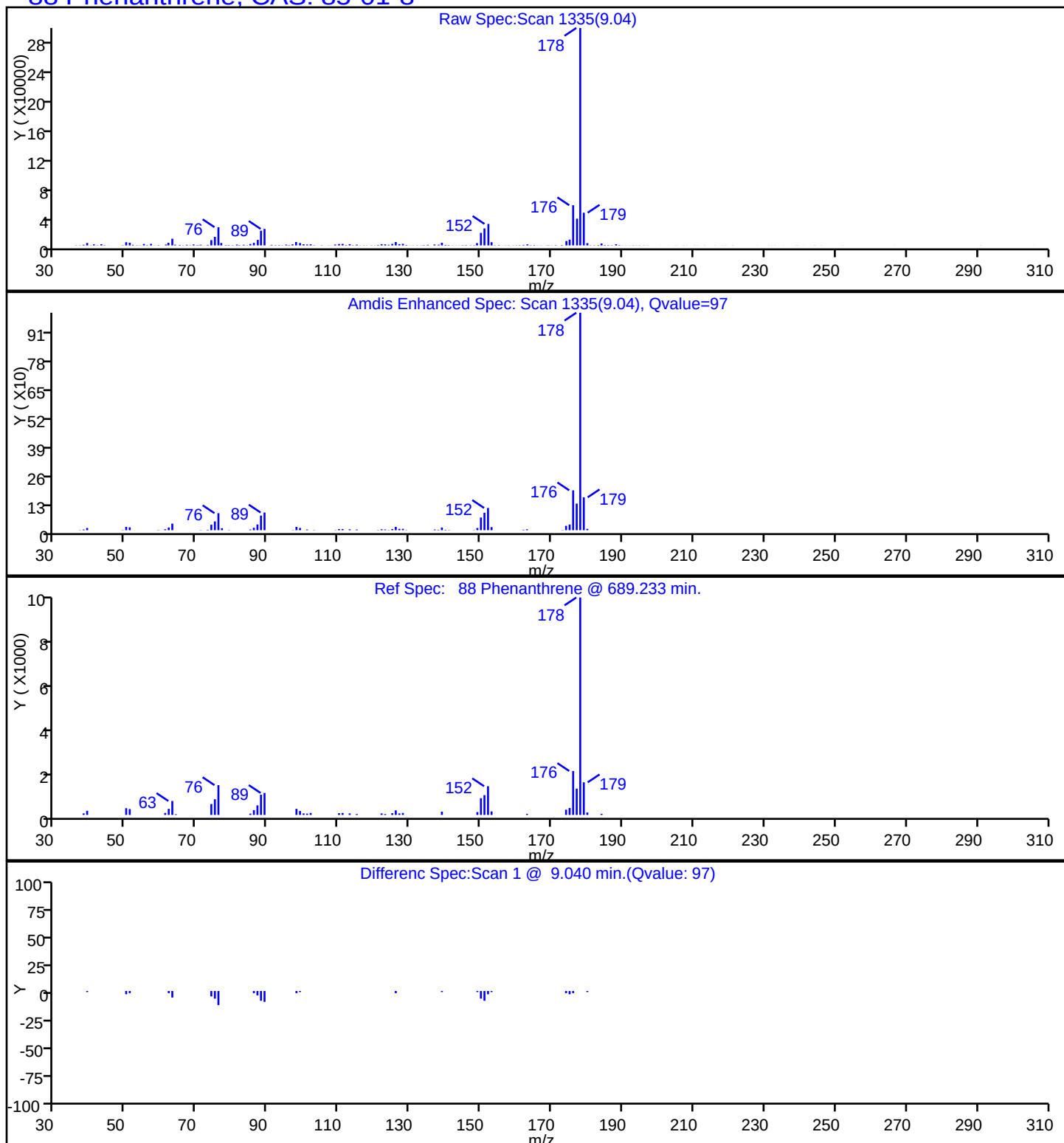
Dil. Factor: 2.0000

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\20150916-31819.b\z36373.D

Injection Date: 16-Sep-2015 12:55:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-10-B

Lab Sample ID: 460-100972-10

Client ID: WC-10

Operator ID:

ALS Bottle#: 17 Worklist Smp#: 17

Injection Vol: 1.0 ul

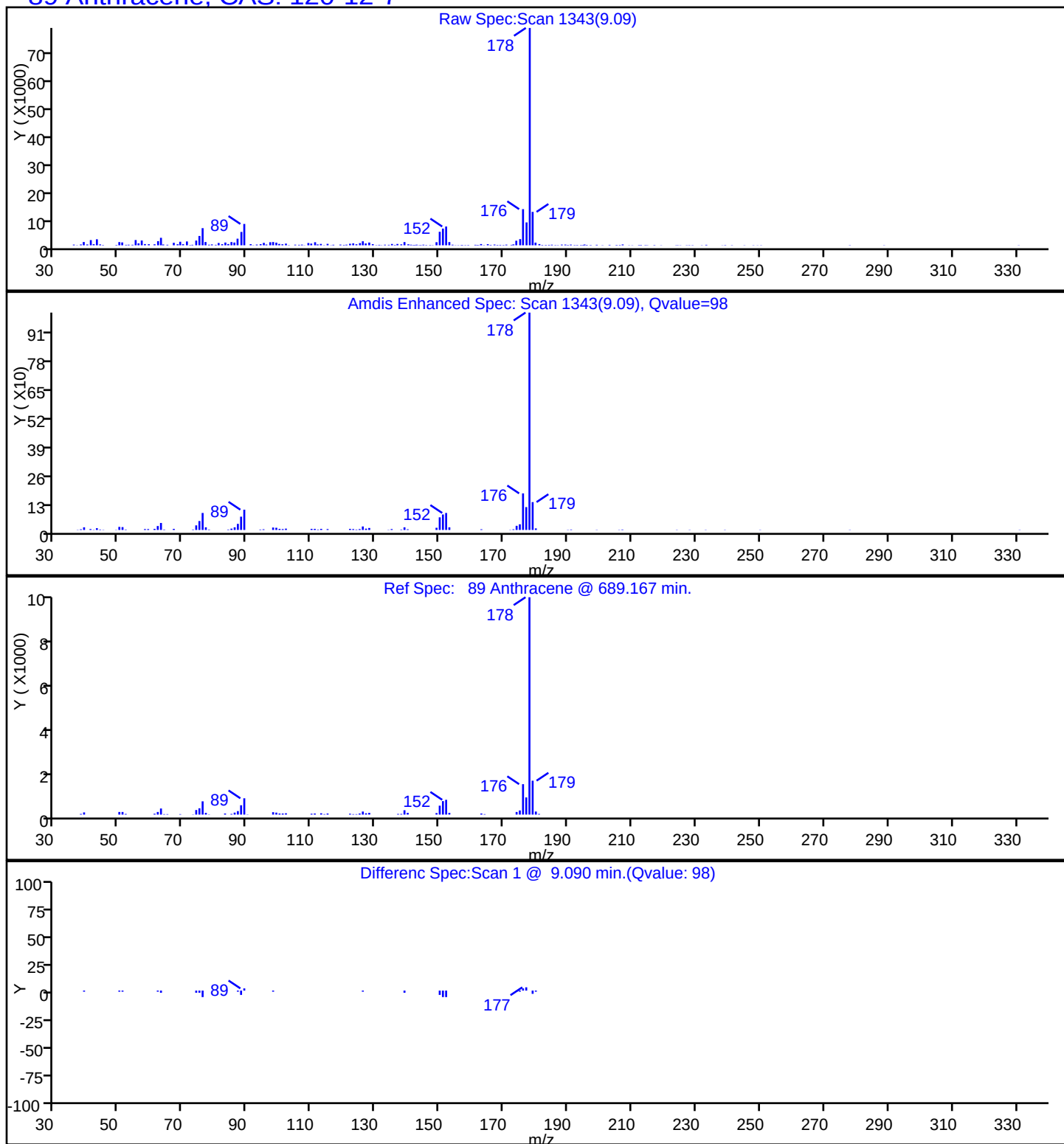
Dil. Factor: 2.0000

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\\20150916-31819.b\\z36373.D

Injection Date: 16-Sep-2015 12:55:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-10-B

Lab Sample ID: 460-100972-10

Client ID: WC-10

Operator ID:

ALS Bottle#: 17 Worklist Smp#: 17

Injection Vol: 1.0 ul

Dil. Factor: 2.0000

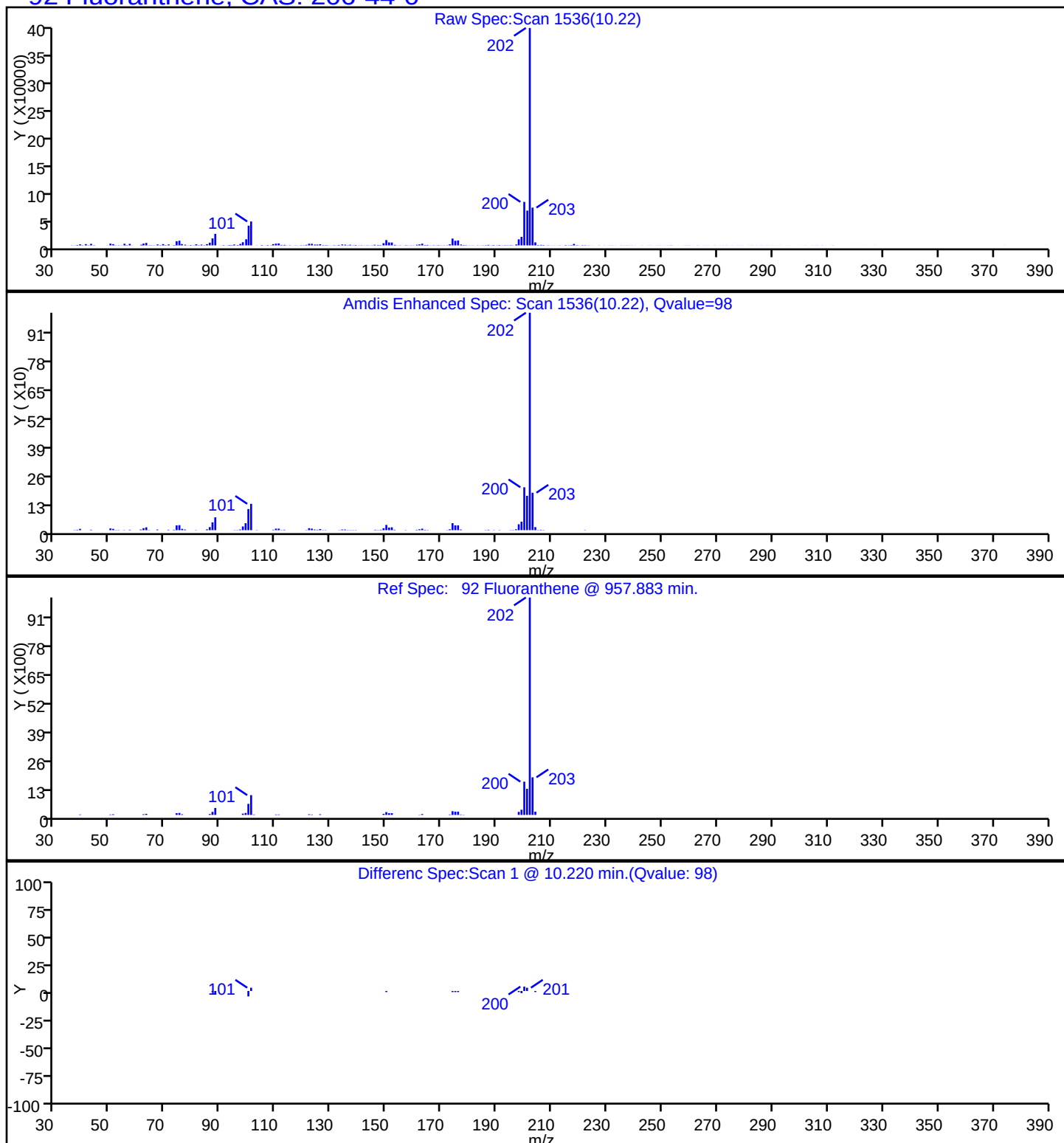
Method: 8270_11R_9

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\\20150916-31819.b\\z36373.D

Injection Date: 16-Sep-2015 12:55:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-10-B

Lab Sample ID: 460-100972-10

Client ID: WC-10

Operator ID:

ALS Bottle#:

Worklist Smp#: 17

Injection Vol: 1.0 ul

Dil. Factor: 2.0000

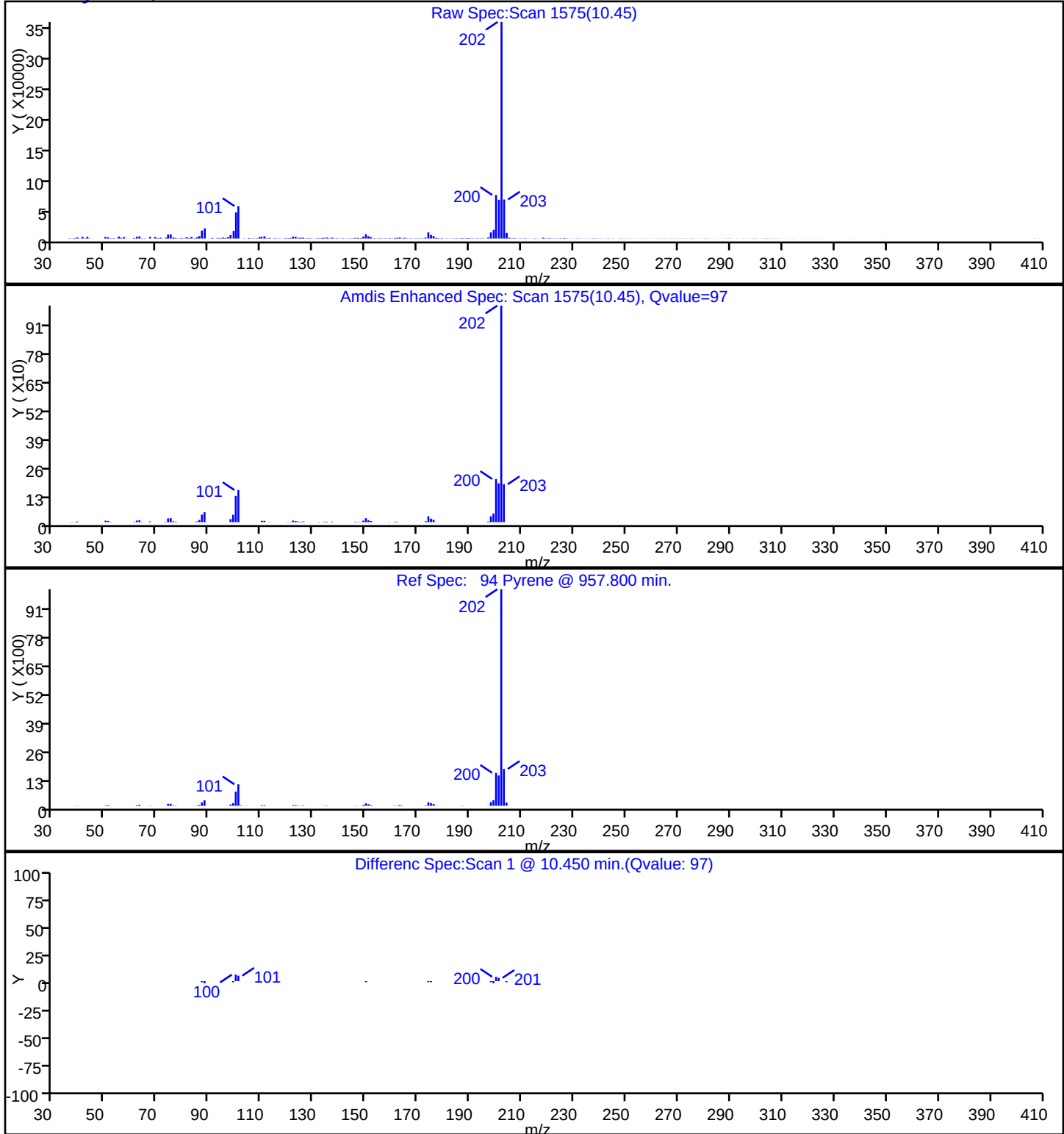
Method: 8270_11R_9

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\20150916-31819.b\z36373.D

Injection Date: 16-Sep-2015 12:55:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-10-B

Lab Sample ID: 460-100972-10

Client ID: WC-10

Operator ID:

ALS Bottle#: 17

Worklist Smp#: 17

Injection Vol: 1.0 ul

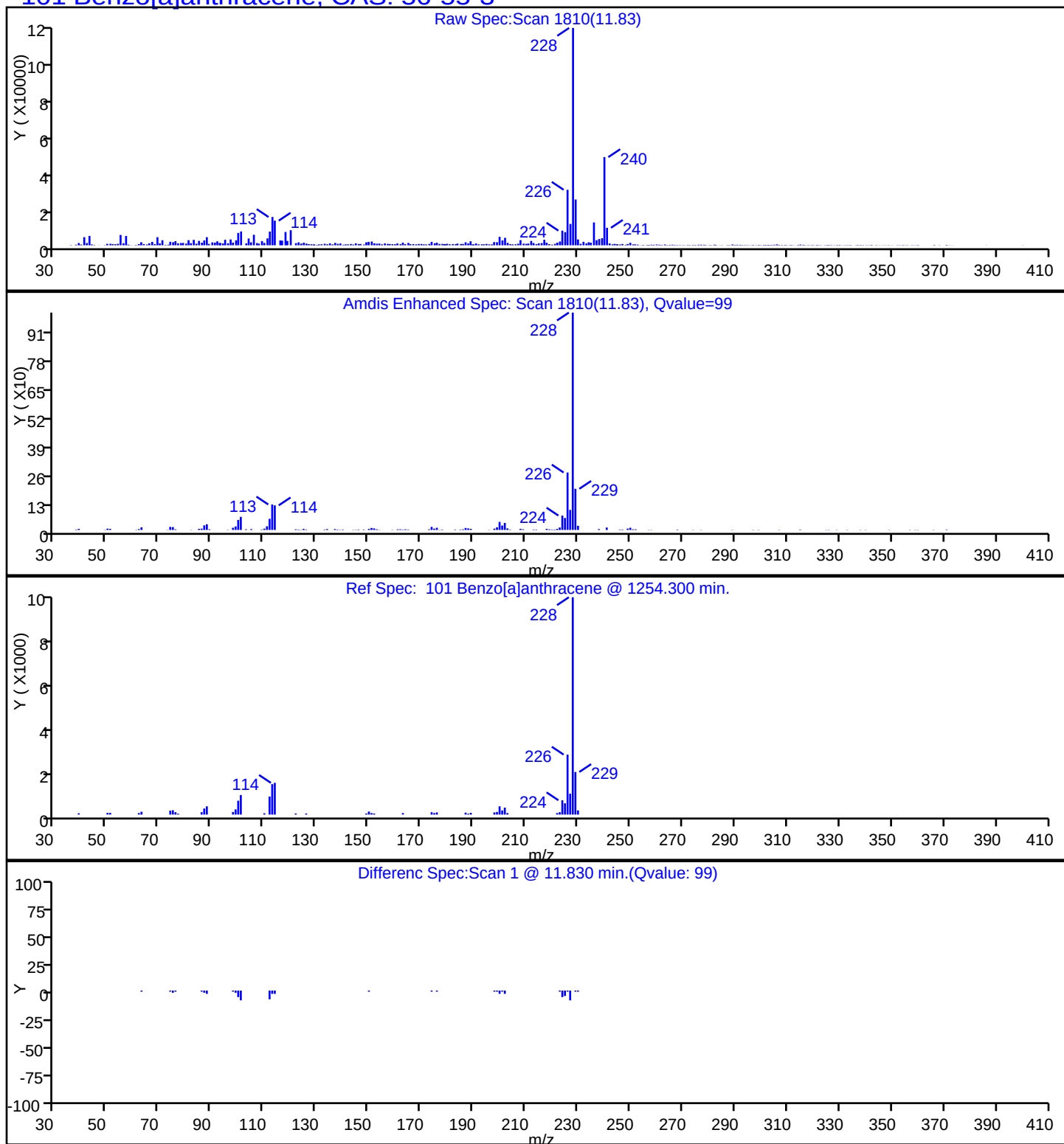
Dil. Factor: 2.0000

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\20150916-31819.b\z36373.D

Injection Date: 16-Sep-2015 12:55:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-10-B

Lab Sample ID: 460-100972-10

Client ID: WC-10

Operator ID:

ALS Bottle#: 17 Worklist Smp#: 17

Injection Vol: 1.0 ul

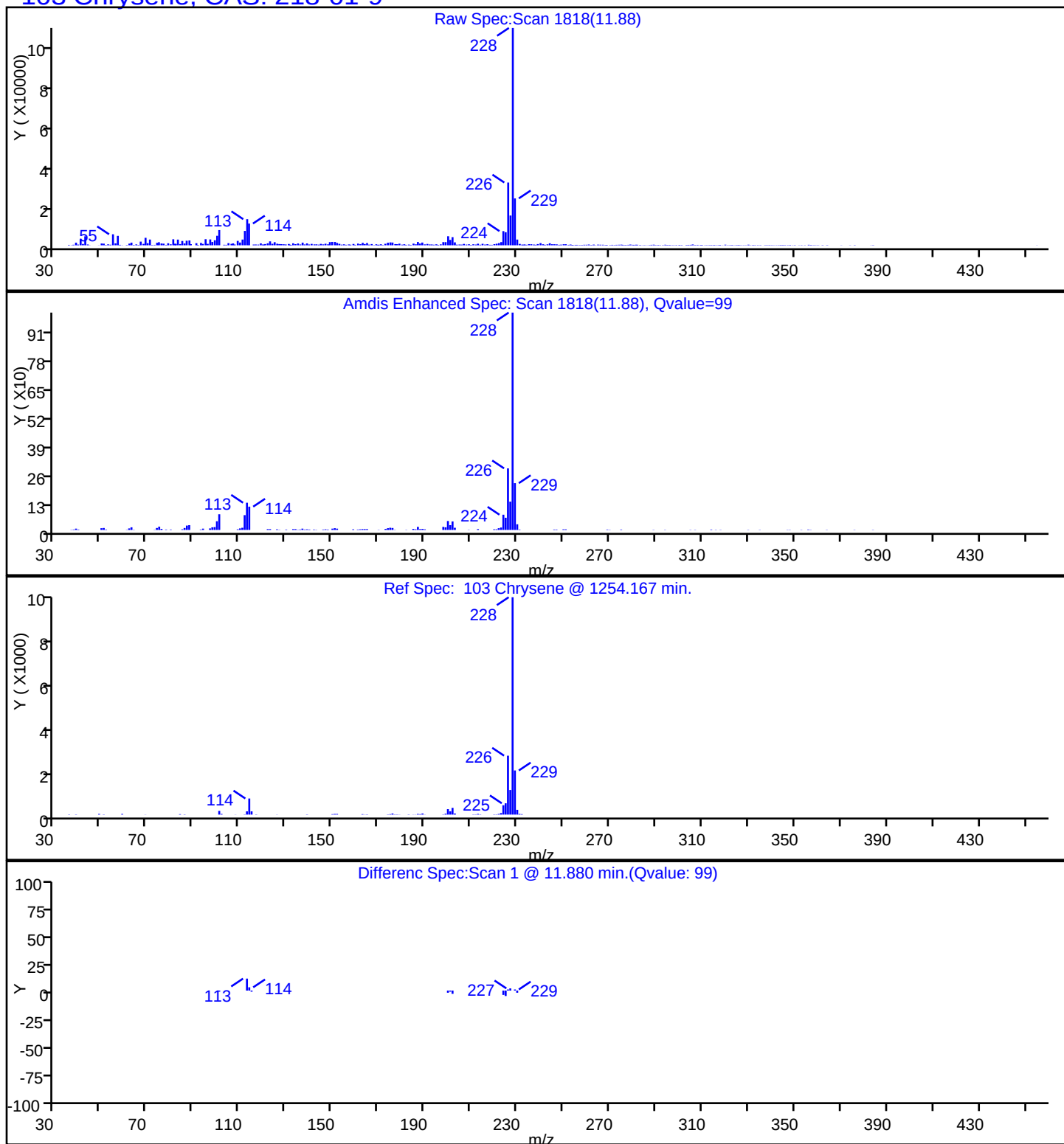
Dil. Factor: 2.0000

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\20150916-31819.b\z36373.D

Injection Date: 16-Sep-2015 12:55:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-10-B

Lab Sample ID: 460-100972-10

Client ID: WC-10

Operator ID:

ALS Bottle#:

Worklist Smp#: 17

Injection Vol: 1.0 ul

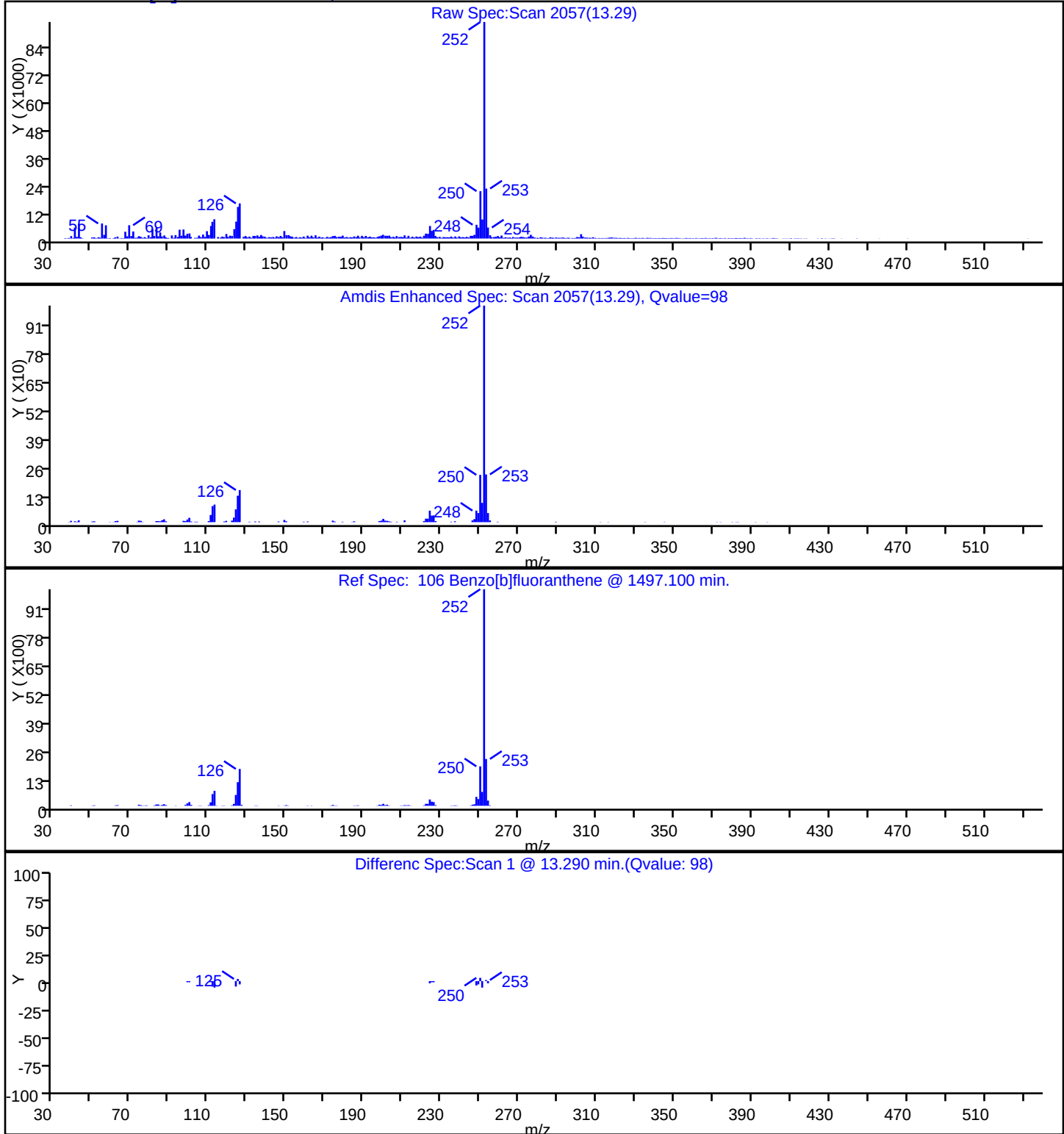
Dil. Factor: 2.0000

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\\20150916-31819.b\\z36373.D

Injection Date: 16-Sep-2015 12:55:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-10-B

Lab Sample ID: 460-100972-10

Client ID: WC-10

Operator ID:

ALS Bottle#:

17

Worklist Smp#:

17

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_11R_9

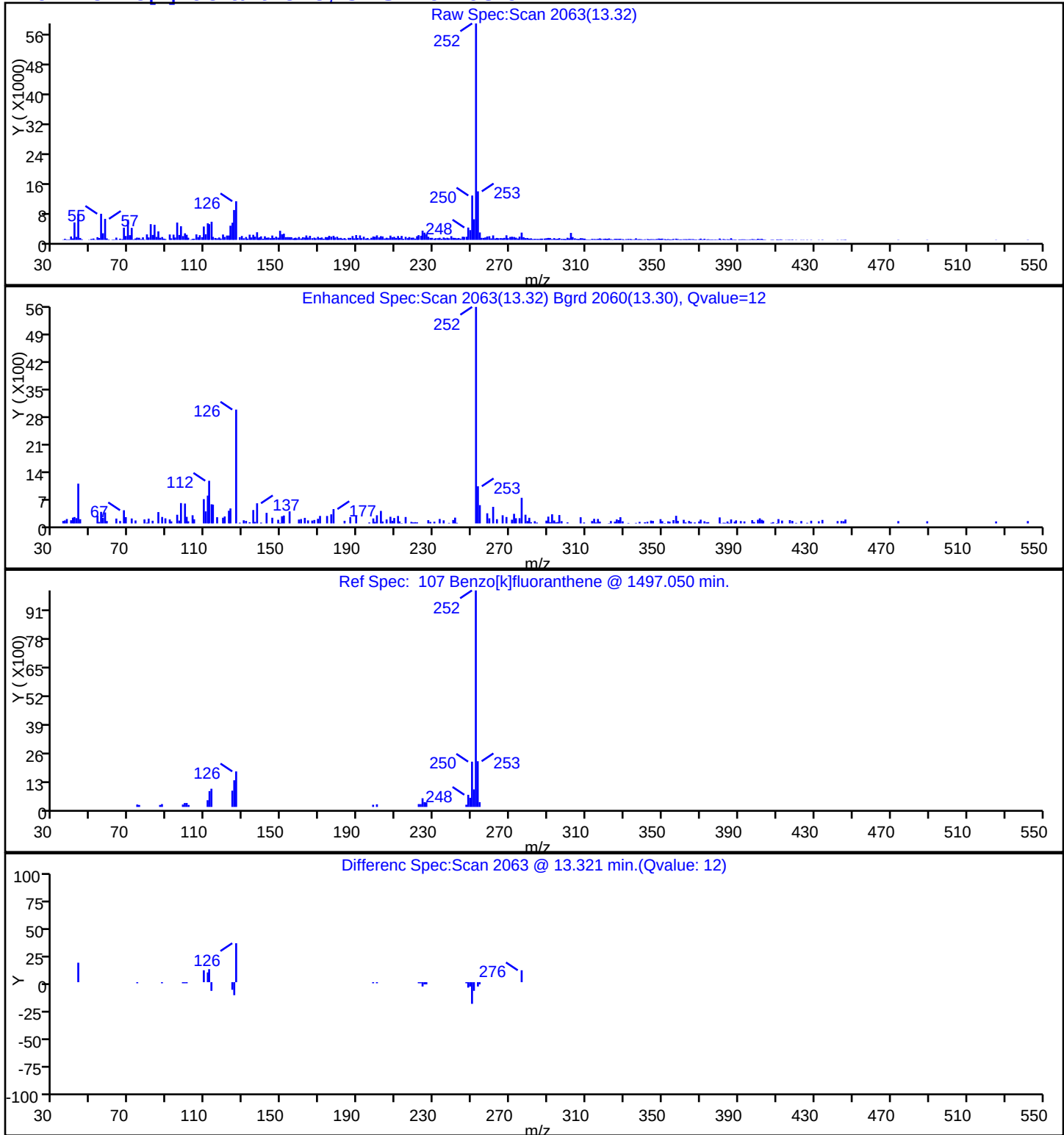
Limit Group:

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\20150916-31819.b\z36373.D

Injection Date: 16-Sep-2015 12:55:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-10-B

Lab Sample ID: 460-100972-10

Client ID: WC-10

Operator ID:

ALS Bottle#: 17 Worklist Smp#: 17

Injection Vol: 1.0 ul

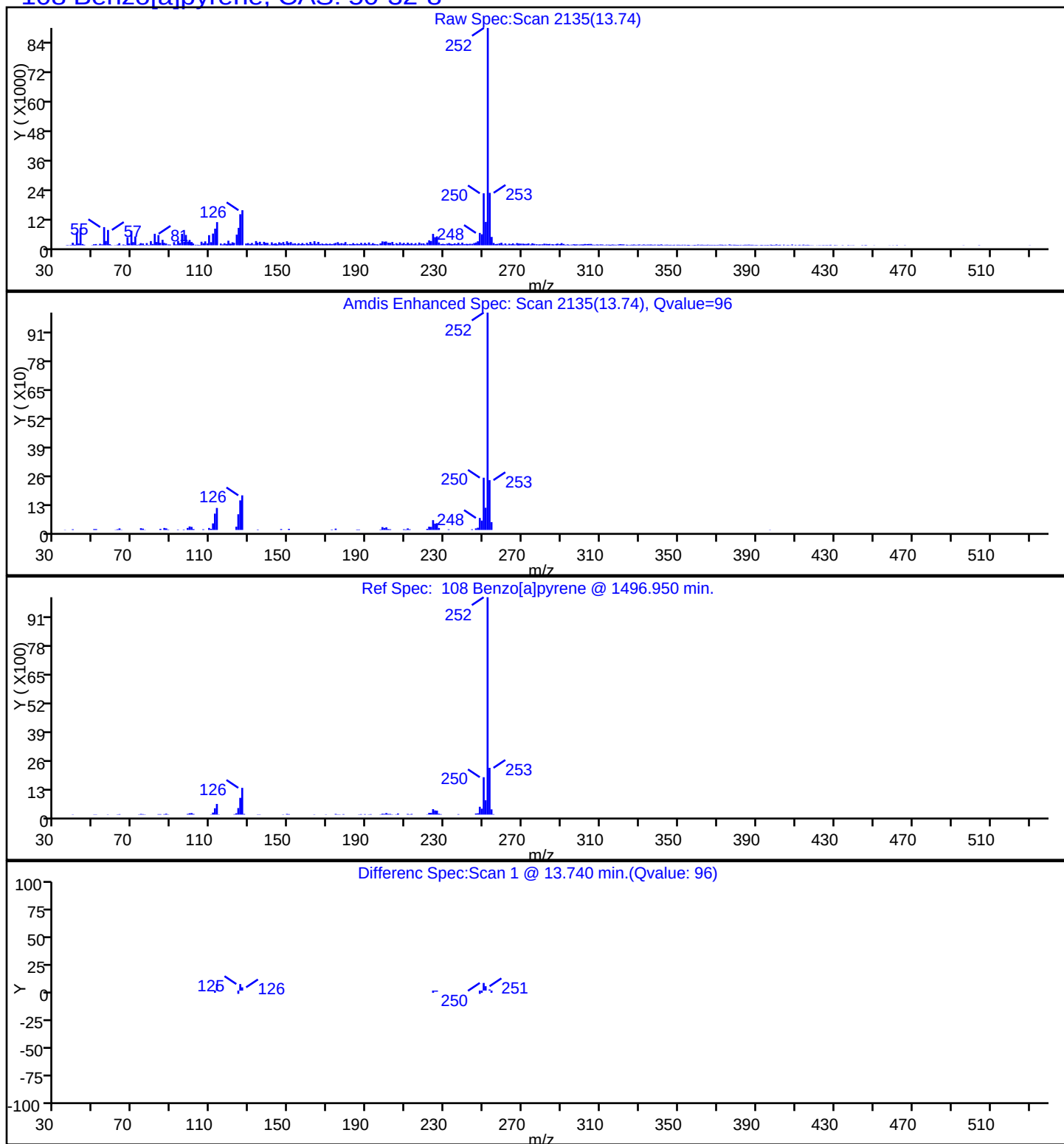
Dil. Factor: 2.0000

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\20150916-31819.b\z36373.D

Injection Date: 16-Sep-2015 12:55:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-10-B

Lab Sample ID: 460-100972-10

Client ID: WC-10

Operator ID:

ALS Bottle#: 17

Worklist Smp#: 17

Injection Vol: 1.0 ul

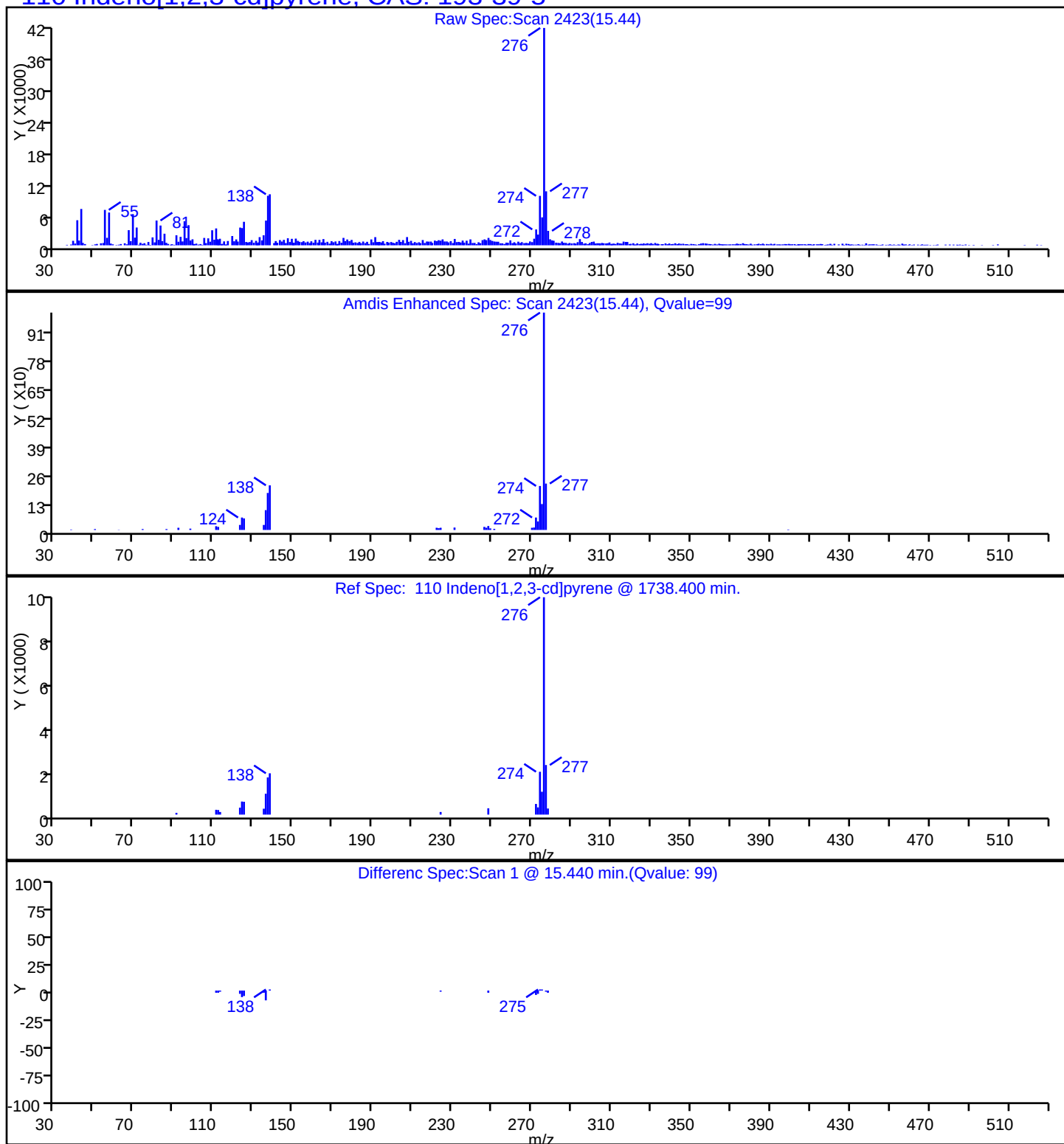
Dil. Factor: 2.0000

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\\20150916-31819.b\\z36373.D

Injection Date: 16-Sep-2015 12:55:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-10-B

Lab Sample ID: 460-100972-10

Client ID: WC-10

Operator ID:

ALS Bottle#:

Worklist Smp#: 17

Injection Vol: 1.0 ul

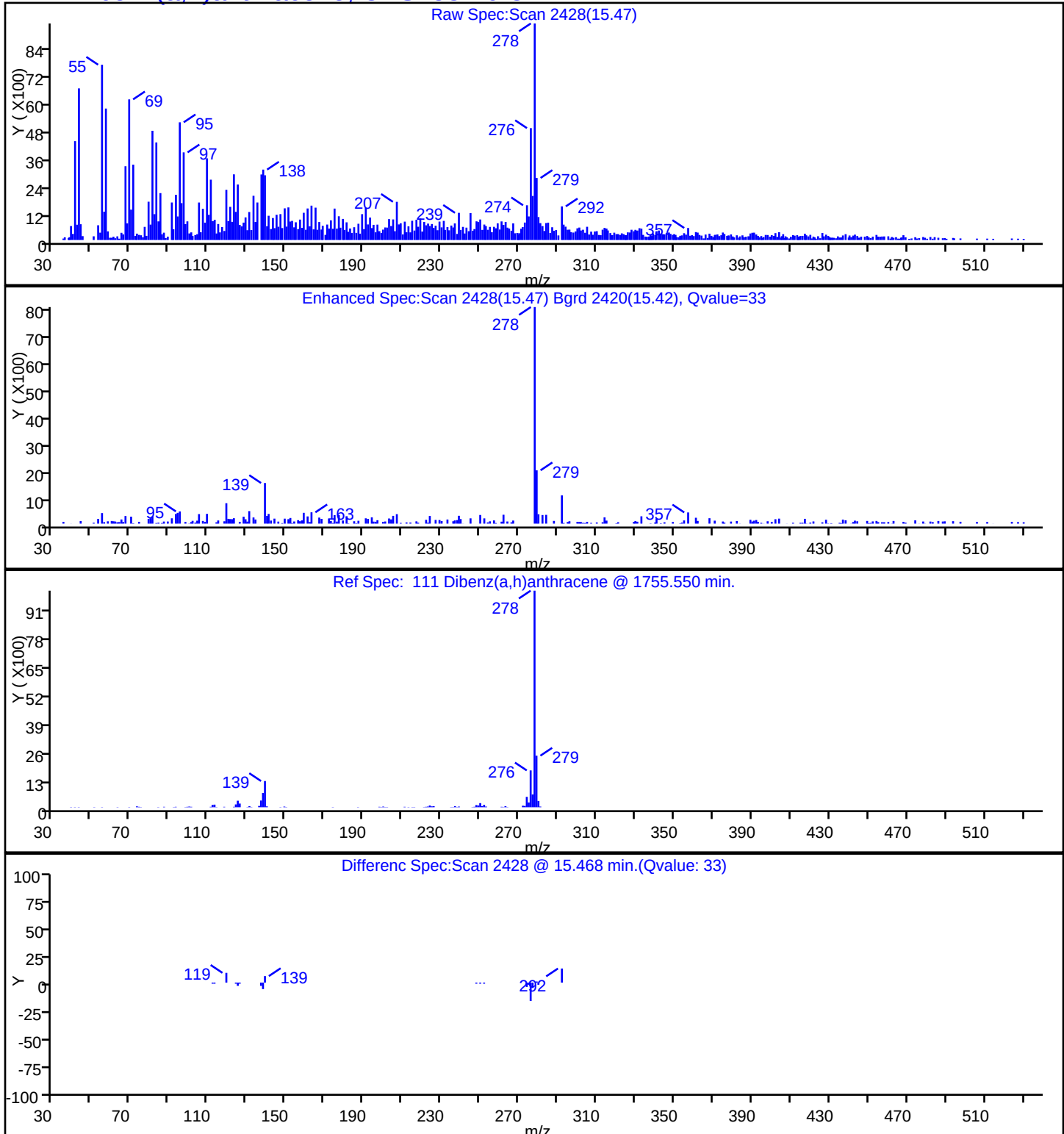
Dil. Factor: 2.0000

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\20150916-31819.b\z36373.D

Injection Date: 16-Sep-2015 12:55:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-10-B

Lab Sample ID: 460-100972-10

Client ID: WC-10

Operator ID:

ALS Bottle#:

17

Worklist Smp#:

17

Injection Vol: 1.0 ul

Dil. Factor:

2.0000

Method: 8270_11R_9

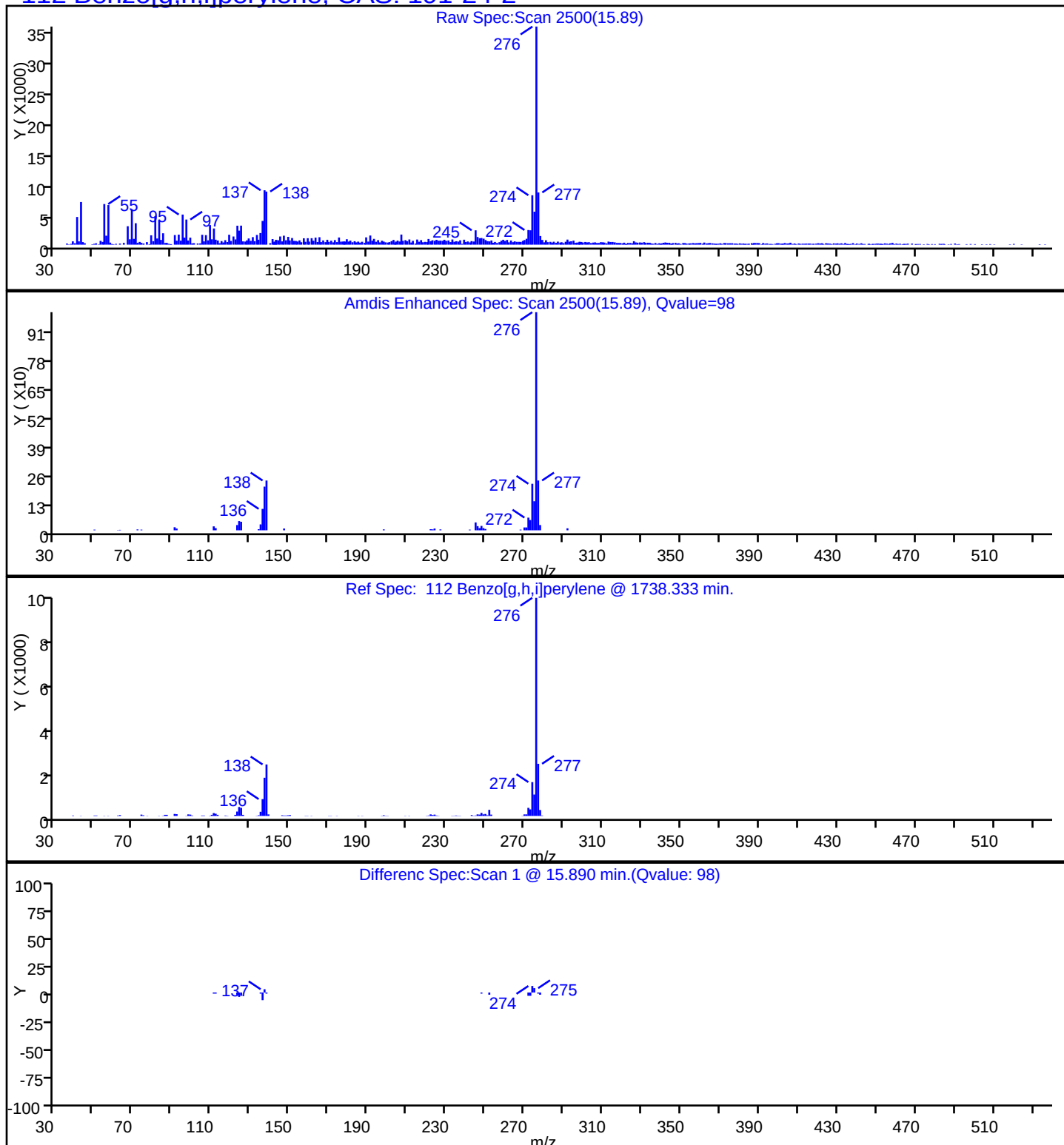
Limit Group:

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>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-11</u>	Lab Sample ID: <u>460-100972-11</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z36350.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>09/11/2015 10:07</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>09/14/2015 08:46</u>
Sample wt/vol: <u>15.0435(g)</u>	Date Analyzed: <u>09/15/2015 13:27</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>16.9</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322389</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.030	J	0.40	0.010
91-57-6	2-Methylnaphthalene	0.016	J	0.40	0.0088
208-96-8	Acenaphthylene	0.022	J	0.40	0.010
83-32-9	Acenaphthene	0.084	J	0.40	0.0096
86-73-7	Fluorene	0.060	J	0.40	0.0086
85-01-8	Phenanthrene	0.97		0.40	0.011
120-12-7	Anthracene	0.26	J	0.40	0.038
206-44-0	Fluoranthene	2.3		0.40	0.012
129-00-0	Pyrene	1.3		0.40	0.018
56-55-3	Benzo[a]anthracene	1.1		0.040	0.033
218-01-9	Chrysene	1.1		0.40	0.011
205-99-2	Benzo[b]fluoranthene	1.4		0.040	0.015
207-08-9	Benzo[k]fluoranthene	0.58		0.040	0.017
50-32-8	Benzo[a]pyrene	0.90		0.040	0.012
193-39-5	Indeno[1,2,3-cd]pyrene	0.45		0.040	0.026
53-70-3	Dibenz(a,h)anthracene	0.15		0.040	0.021
191-24-2	Benzo[g,h,i]perylene	0.32	J	0.40	0.023

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	64		30-130
1718-51-0	Terphenyl-d14	55		30-130
321-60-8	2-Fluorobiphenyl	78		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\z36350.D
 Lims ID: 460-100972-A-11-B Lab Sample ID: 460-100972-11
 Client ID: WC-11
 Sample Type: Client
 Inject. Date: 15-Sep-2015 13:27:30 ALS Bottle#: 28 Worklist Smp#: 28
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031763-028
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 15-Sep-2015 22:53:11 Calib Date: 10-Sep-2015 07:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150909-31608.b\z36210.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK013

First Level Reviewer: bayoumiw

Date: 15-Sep-2015 22:53:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 14 1,4-Dichlorobenzene-d4	152	4.528	4.528	0.000	97	316337	40.0	
\$ 26 Nitrobenzene-d5	82	5.075	5.092	-0.017	88	339654	32.1	
* 38 Naphthalene-d8	136	5.810	5.810	0.000	99	1005963	40.0	
39 Naphthalene	128	5.828	5.839	-0.011	99	10063	0.3777	
44 2-Methylnaphthalene	142	6.528	6.534	-0.006	88	3382	0.2033	
\$ 51 2-Fluorobiphenyl	172	6.892	6.898	-0.006	98	564360	39.1	
63 Acenaphthylene	152	7.428	7.433	-0.005	97	5056	0.2763	
* 65 Acenaphthene-d10	164	7.569	7.569	0.000	92	415519	40.0	
67 Acenaphthene	154	7.604	7.610	-0.006	94	12759	1.05	
74 Fluorene	166	8.110	8.116	-0.006	97	9286	0.7513	
* 87 Phenanthrene-d10	188	9.045	9.039	0.006	99	523256	40.0	
88 Phenanthrene	178	9.069	9.069	0.000	98	181661	12.1	
89 Anthracene	178	9.116	9.116	0.000	98	47644	3.22	
92 Fluoranthene	202	10.251	10.245	0.006	98	359930	29.2	
94 Pyrene	202	10.486	10.480	0.006	97	337045	16.0	
\$ 96 Terphenyl-d14	244	10.639	10.633	0.006	99	387172	27.4	
101 Benzo[a]anthracene	228	11.874	11.863	0.011	99	203375	13.4	
* 102 Chrysene-d12	240	11.892	11.869	0.023	99	519722	40.0	
103 Chrysene	228	11.921	11.910	0.011	99	191337	14.3	
106 Benzo[b]fluoranthene	252	13.333	13.315	0.018	98	174765	17.4	
107 Benzo[k]fluoranthene	252	13.368	13.357	0.011	34	76511	7.26	
108 Benzo[a]pyrene	252	13.792	13.774	0.018	96	102384	11.3	
* 109 Perylene-d12	264	13.874	13.851	0.023	98	354855	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.498	15.474	0.024	98	41091	5.66	
111 Dibenzo(a,h)anthracene	278	15.527	15.509	0.018	94	11826	1.83	
112 Benzo[g,h,i]perylene	276	15.957	15.939	0.018	97	33840	3.99	

Reagents:

SM_ISTD_00092 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150915-31763.b\\z36350.D

Injection Date: 15-Sep-2015 13:27:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: 460-100972-A-11-B

Lab Sample ID: 460-100972-11

Worklist Smp#: 28

Client ID: WC-11

Injection Vol: 1.0 ul

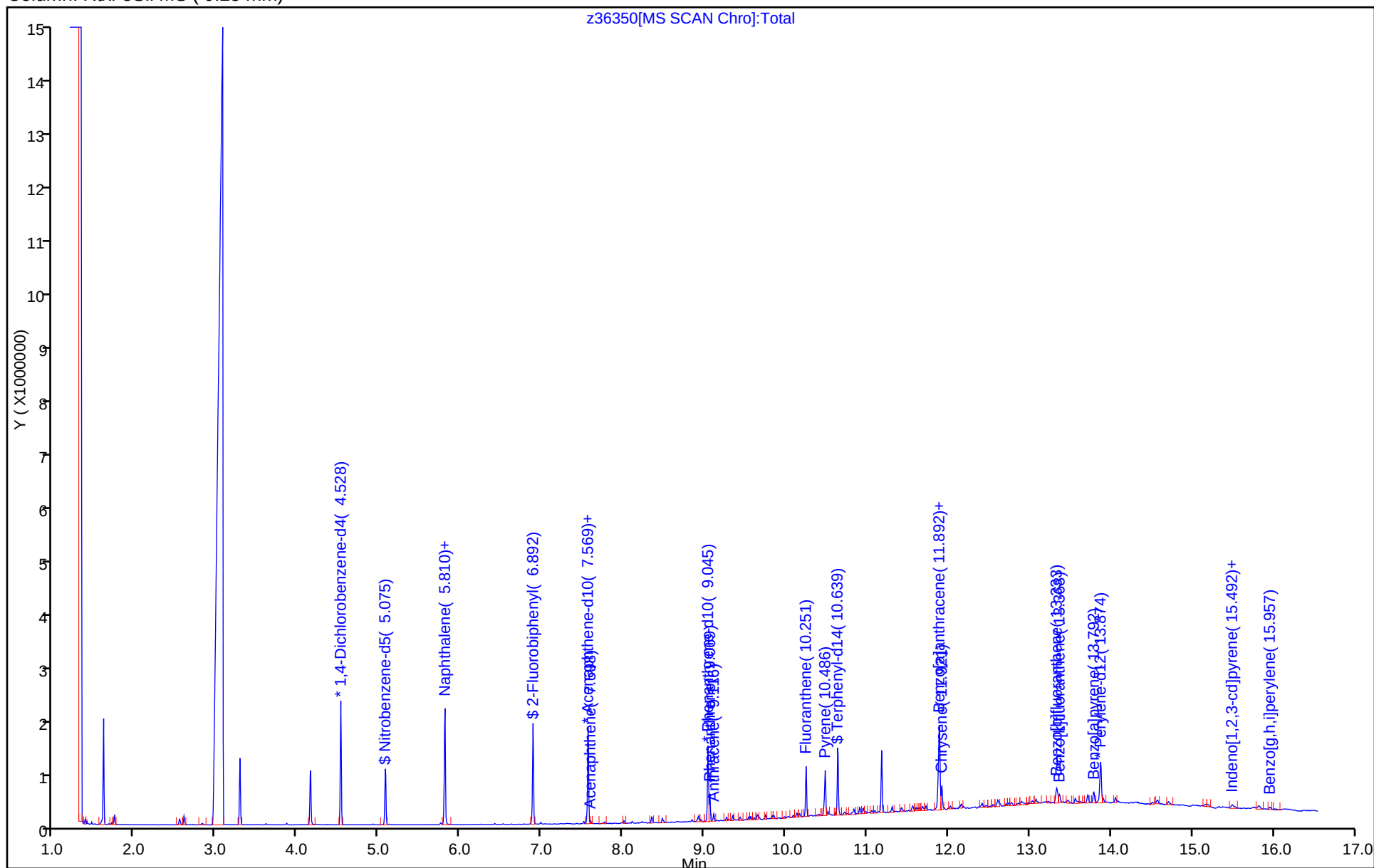
Dil. Factor: 1.0000

ALS Bottle#: 28

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\z36350.D

Injection Date: 15-Sep-2015 13:27:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-11-B

Lab Sample ID: 460-100972-11

Client ID: WC-11

Operator ID:

ALS Bottle#: 28

Worklist Smp#: 28

Injection Vol: 1.0 ul

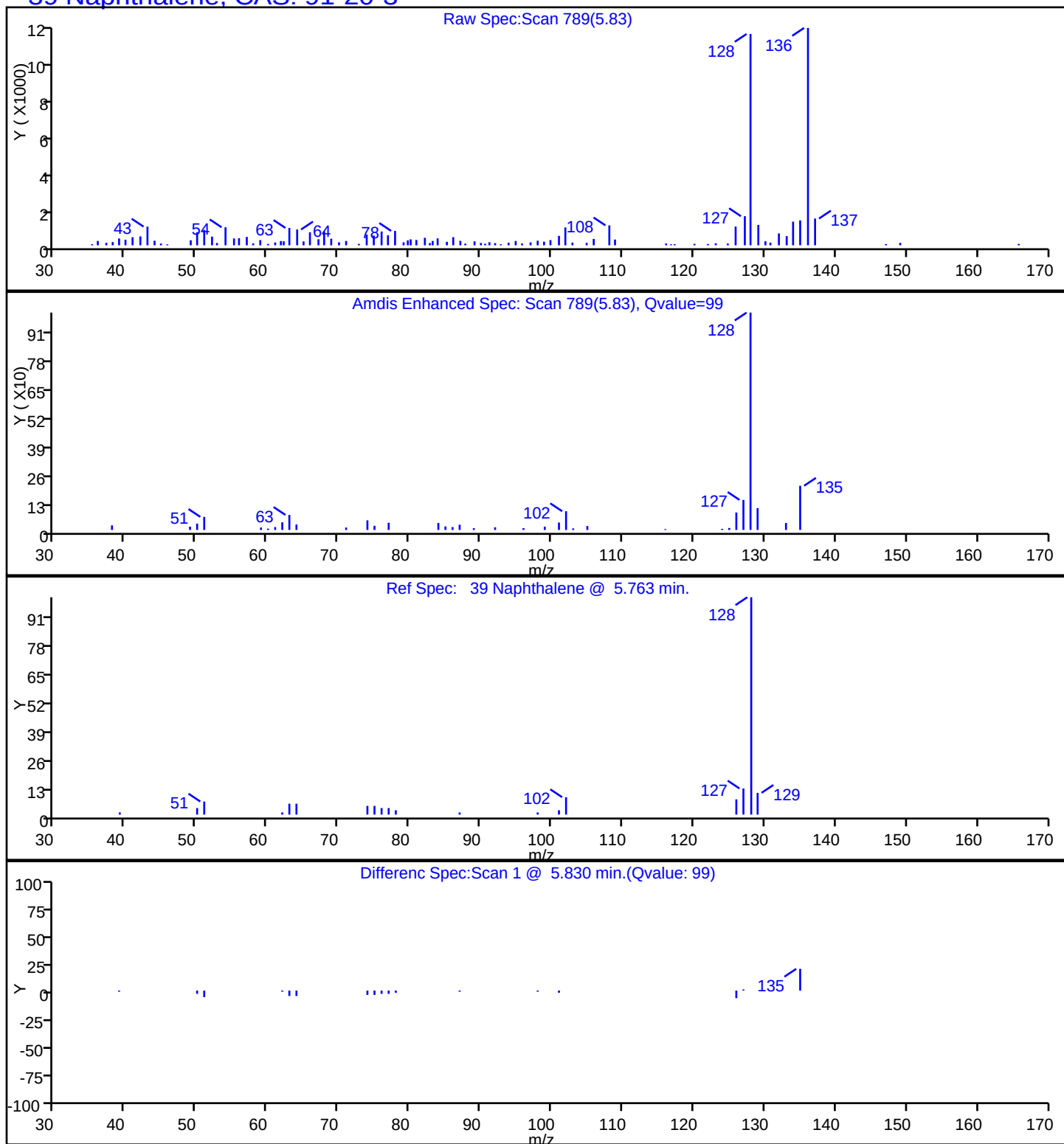
Dil. Factor: 1.0000

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\20150915-31763.b\z36350.D

Injection Date: 15-Sep-2015 13:27:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-11-B

Lab Sample ID: 460-100972-11

Client ID: WC-11

Operator ID:

ALS Bottle#: 28

Worklist Smp#: 28

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

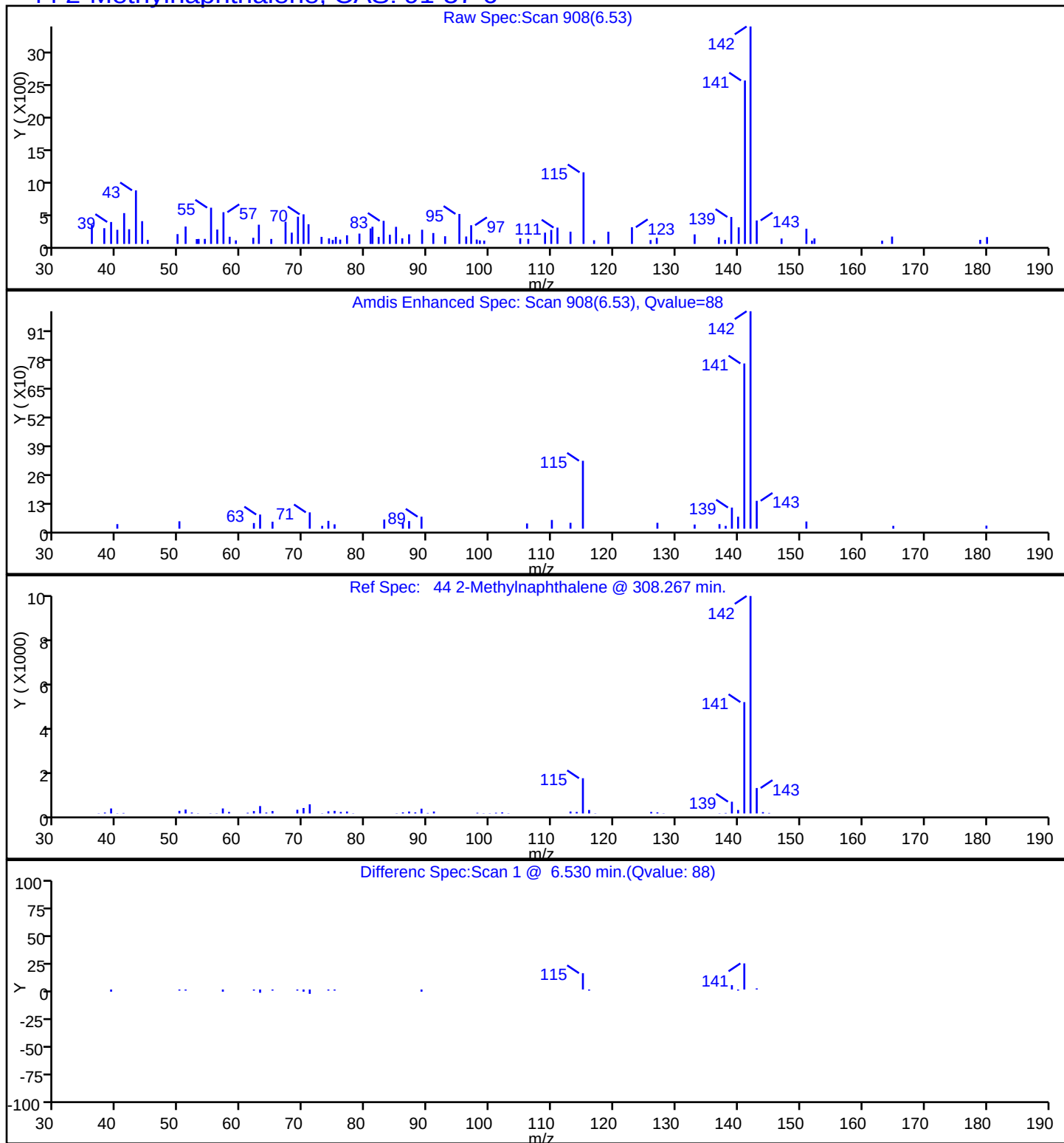
Method: 8270_11R_9

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\\20150915-31763.b\\z36350.D

Injection Date: 15-Sep-2015 13:27:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-11-B

Lab Sample ID: 460-100972-11

Client ID: WC-11

Operator ID:

ALS Bottle#: 28

Worklist Smp#: 28

Injection Vol: 1.0 ul

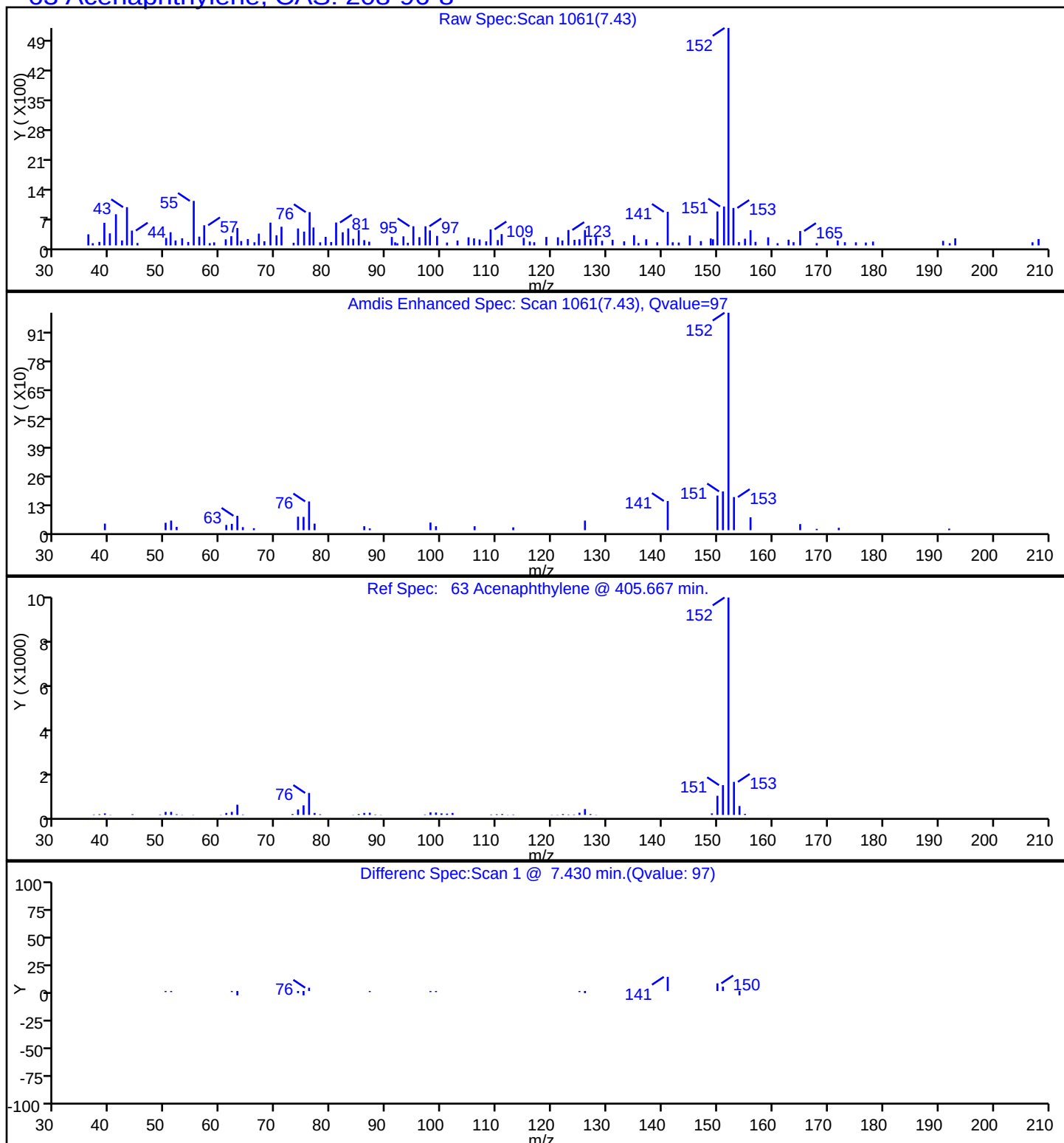
Dil. Factor: 1.0000

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\20150915-31763.b\z36350.D

Injection Date: 15-Sep-2015 13:27:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-11-B

Lab Sample ID: 460-100972-11

Client ID: WC-11

Operator ID:

ALS Bottle#:

28

Worklist Smp#:

28

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

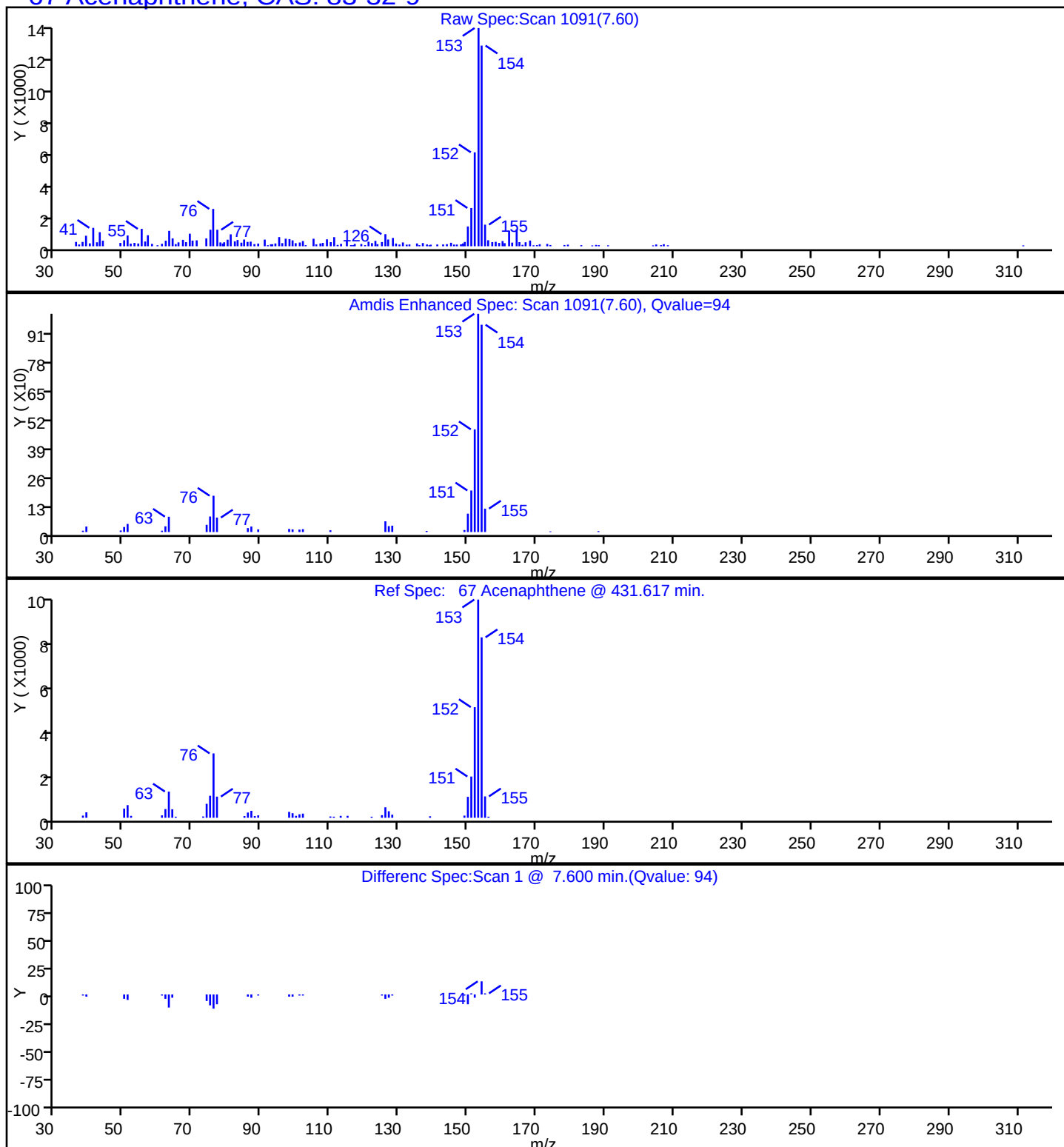
Limit Group:

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\20150915-31763.b\z36350.D

Injection Date: 15-Sep-2015 13:27:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-11-B

Lab Sample ID: 460-100972-11

Client ID: WC-11

Operator ID:

ALS Bottle#: 28 Worklist Smp#: 28

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

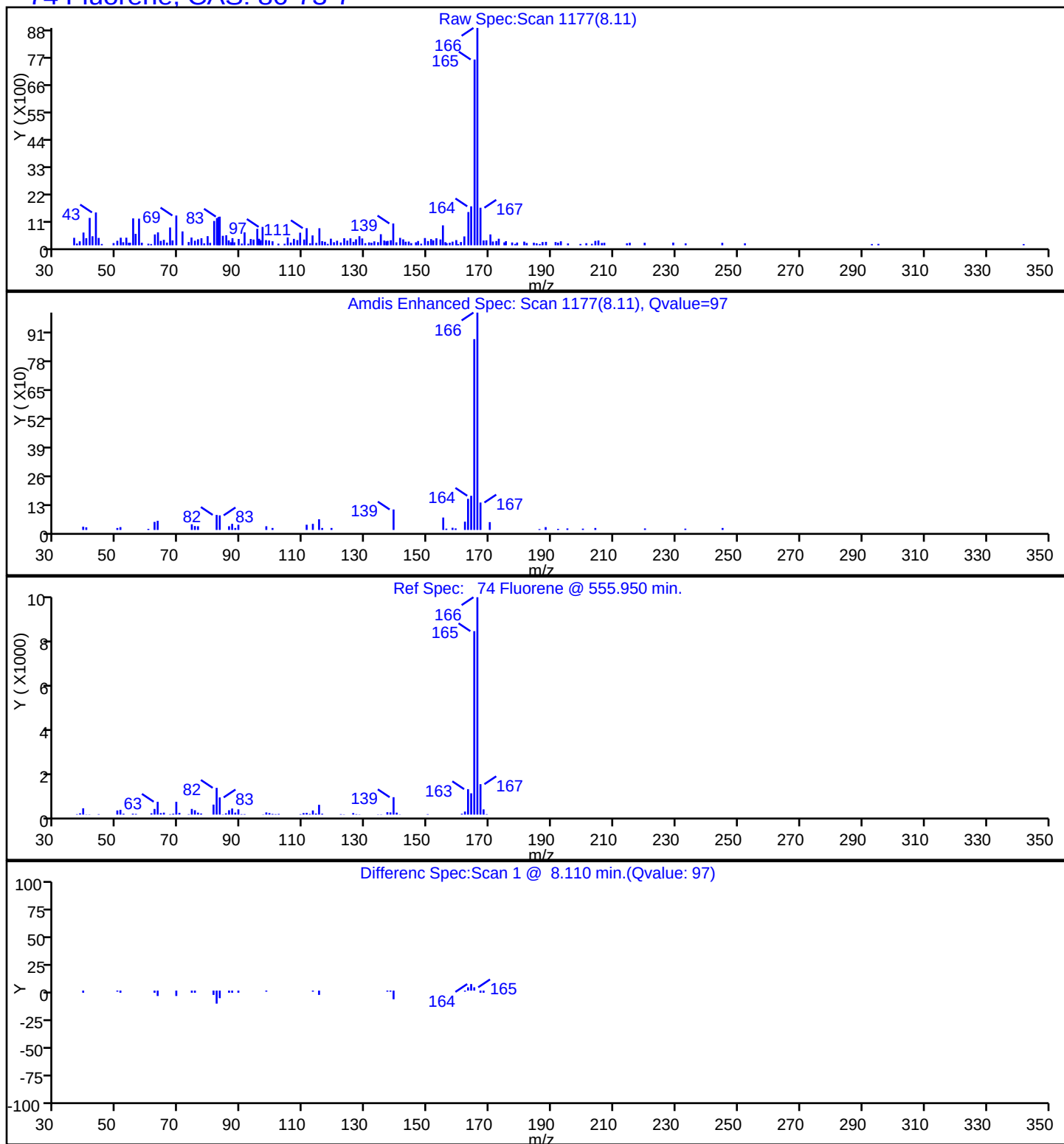
Method: 8270_11R_9

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\\20150915-31763.b\\z36350.D

Injection Date: 15-Sep-2015 13:27:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-11-B

Lab Sample ID: 460-100972-11

Client ID: WC-11

Operator ID:

ALS Bottle#: 28 Worklist Smp#: 28

Injection Vol: 1.0 ul

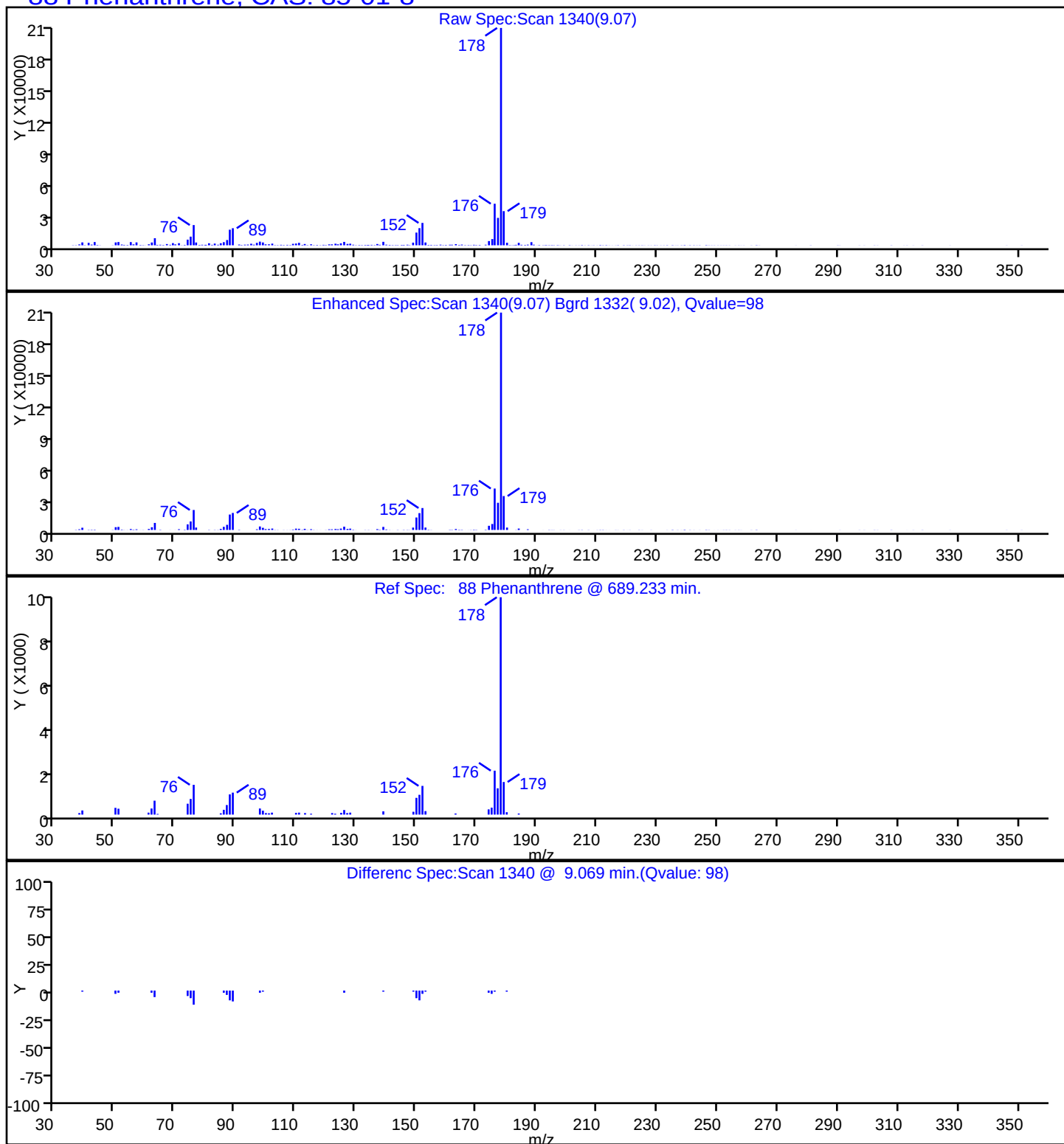
Dil. Factor: 1.0000

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\20150915-31763.b\z36350.D

Injection Date: 15-Sep-2015 13:27:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-11-B

Lab Sample ID: 460-100972-11

Client ID: WC-11

Operator ID:

ALS Bottle#:

28

Worklist Smp#:

28

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

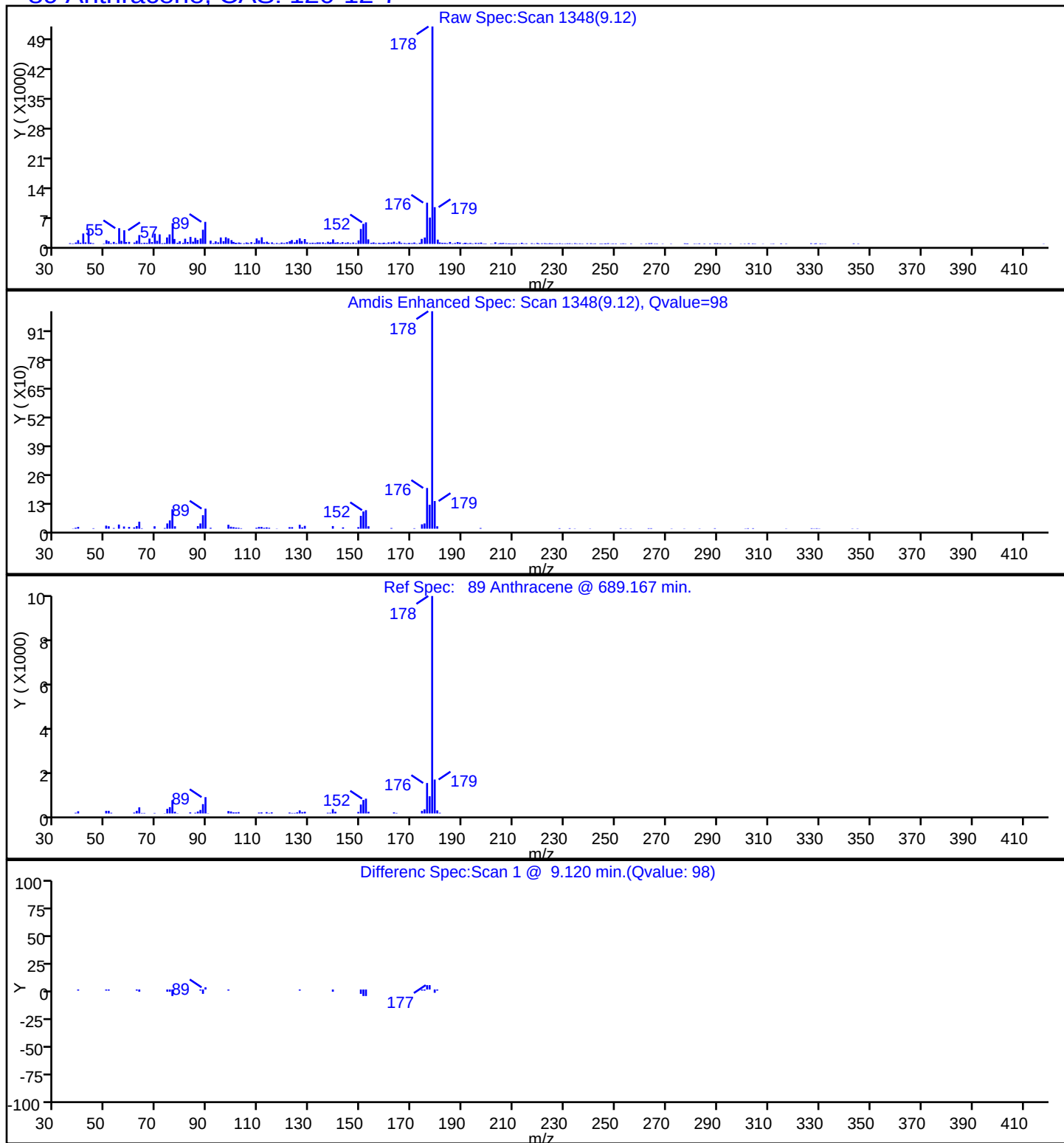
Limit Group:

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\20150915-31763.b\z36350.D

Injection Date: 15-Sep-2015 13:27:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-11-B

Lab Sample ID: 460-100972-11

Client ID: WC-11

Operator ID:

ALS Bottle#: 28

Worklist Smp#: 28

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

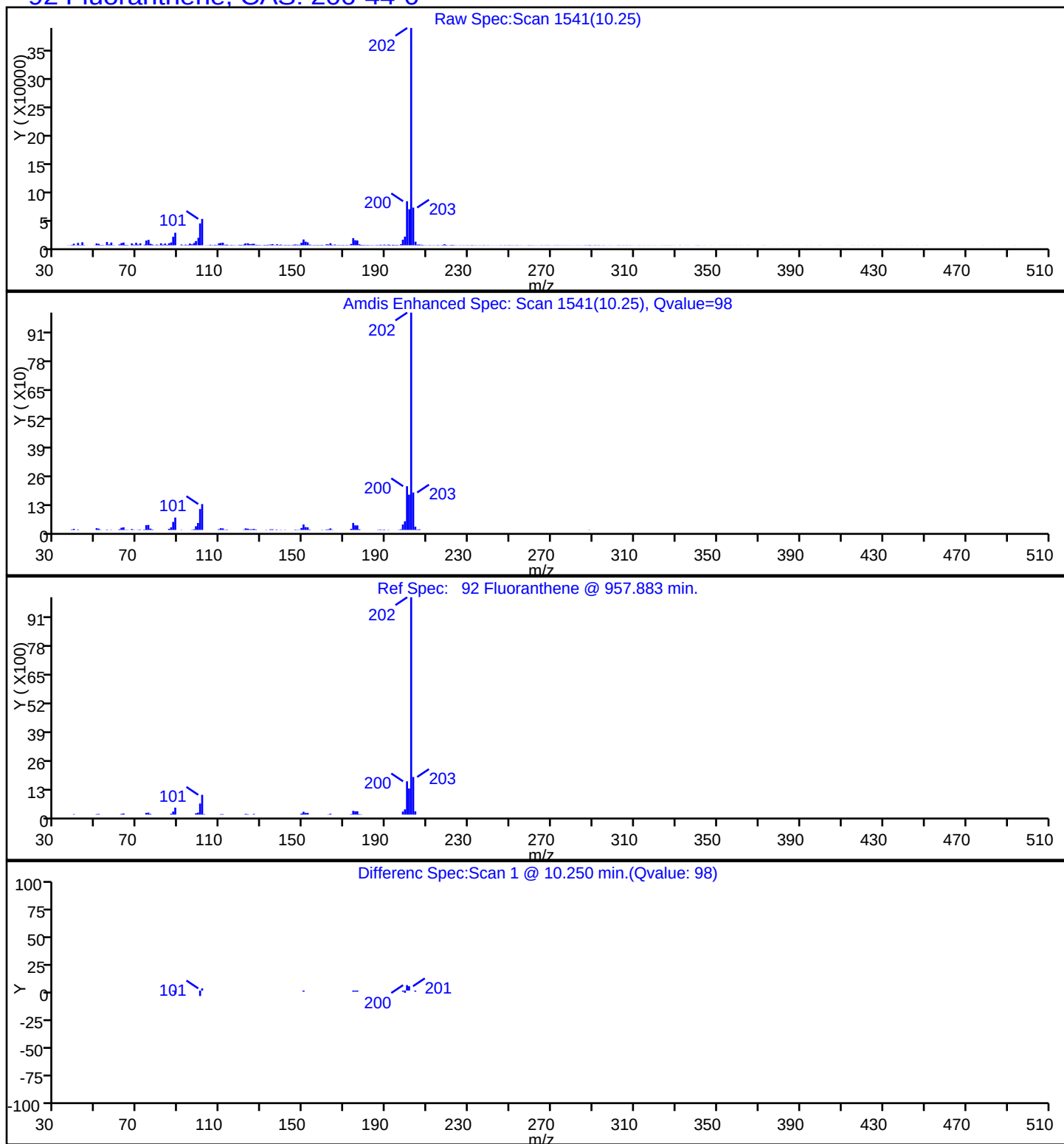
Method: 8270_11R_9

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\\20150915-31763.b\\z36350.D

Injection Date: 15-Sep-2015 13:27:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-11-B

Lab Sample ID: 460-100972-11

Client ID: WC-11

Operator ID:

ALS Bottle#: 28

Worklist Smp#: 28

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

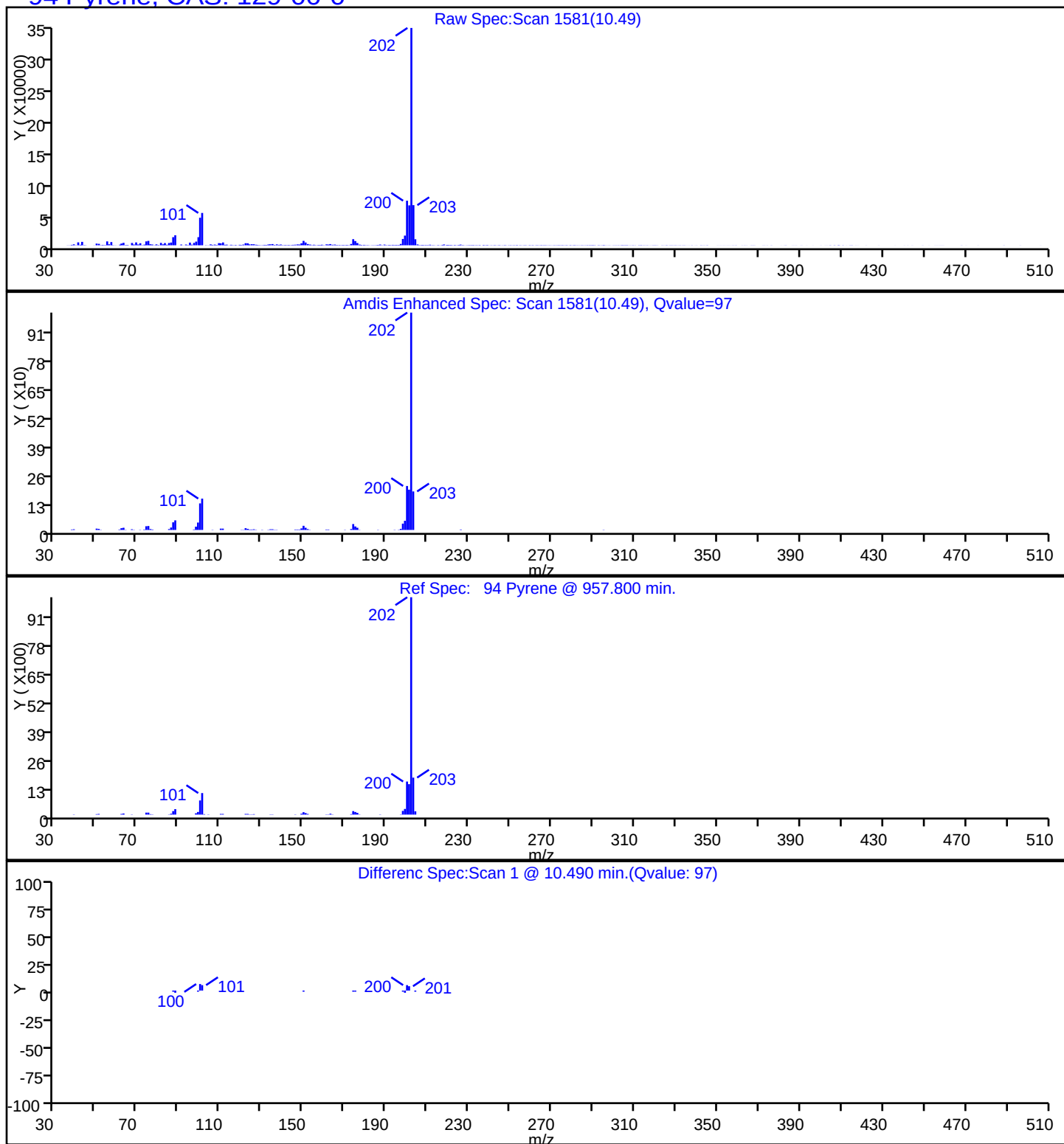
Method: 8270_11R_9

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\20150915-31763.b\z36350.D

Injection Date: 15-Sep-2015 13:27:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-11-B

Lab Sample ID: 460-100972-11

Client ID: WC-11

Operator ID:

ALS Bottle#:

28

Worklist Smp#:

28

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

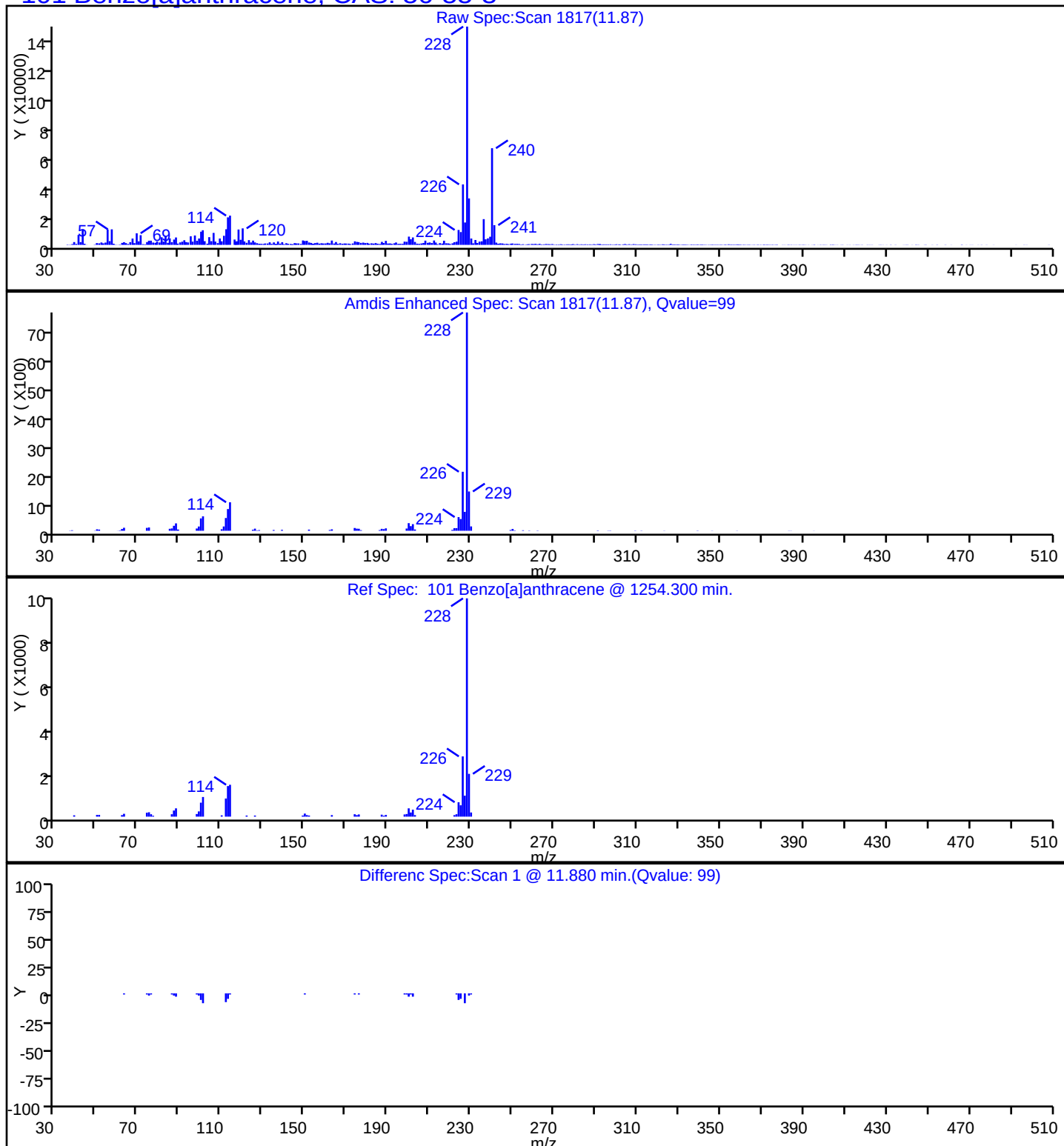
Limit Group:

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\\20150915-31763.b\\z36350.D

Injection Date: 15-Sep-2015 13:27:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-11-B

Lab Sample ID: 460-100972-11

Client ID: WC-11

Operator ID:

ALS Bottle#: 28

Worklist Smp#: 28

Injection Vol: 1.0 ul

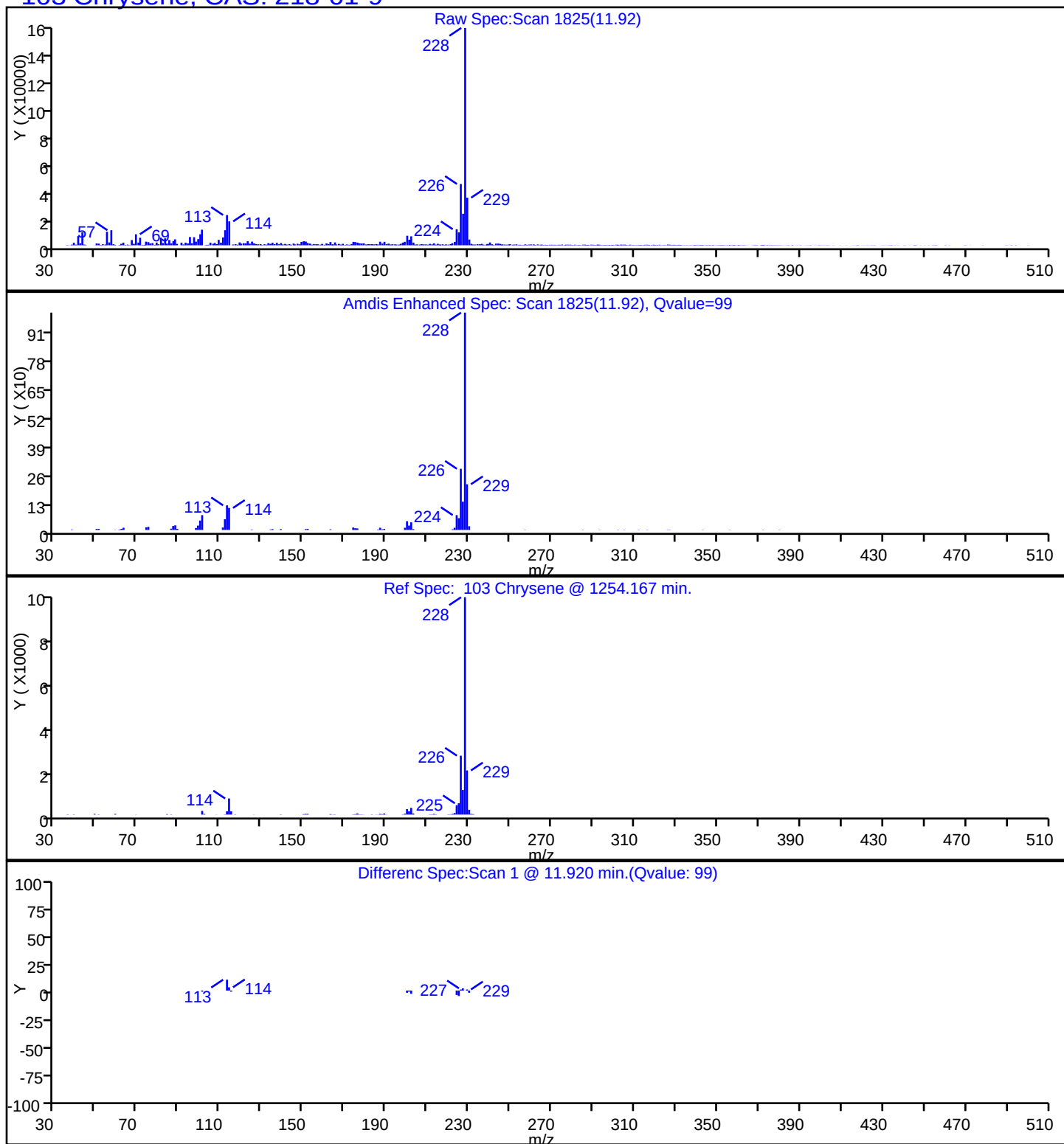
Dil. Factor: 1.0000

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\\20150915-31763.b\\z36350.D

Injection Date: 15-Sep-2015 13:27:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-11-B

Lab Sample ID: 460-100972-11

Client ID: WC-11

Operator ID:

ALS Bottle#:

28

Worklist Smp#:

28

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

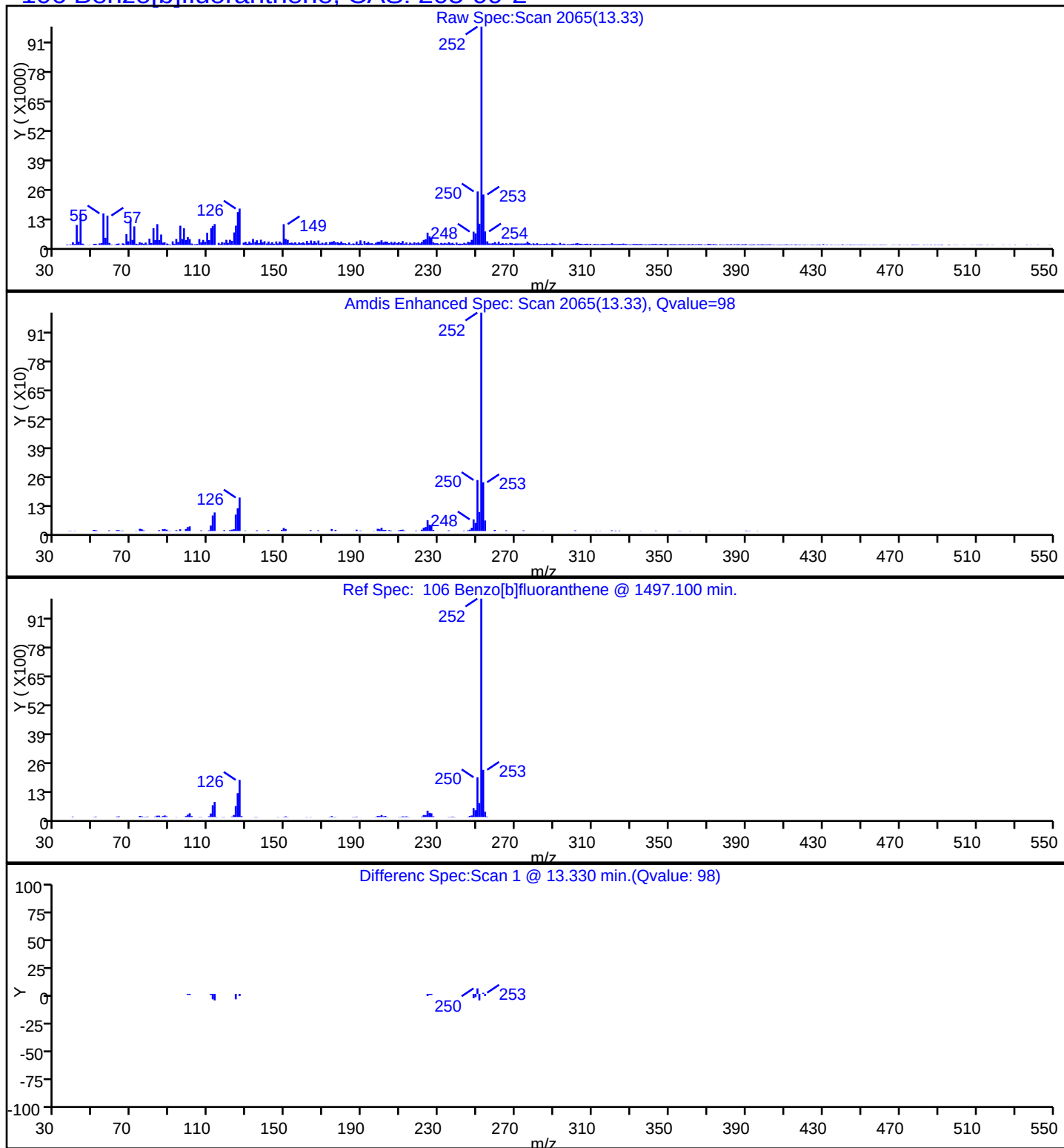
Limit Group:

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\\20150915-31763.b\\z36350.D

Injection Date: 15-Sep-2015 13:27:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-11-B

Lab Sample ID: 460-100972-11

Client ID: WC-11

Operator ID:

ALS Bottle#:

28

Worklist Smp#:

28

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

Limit Group:

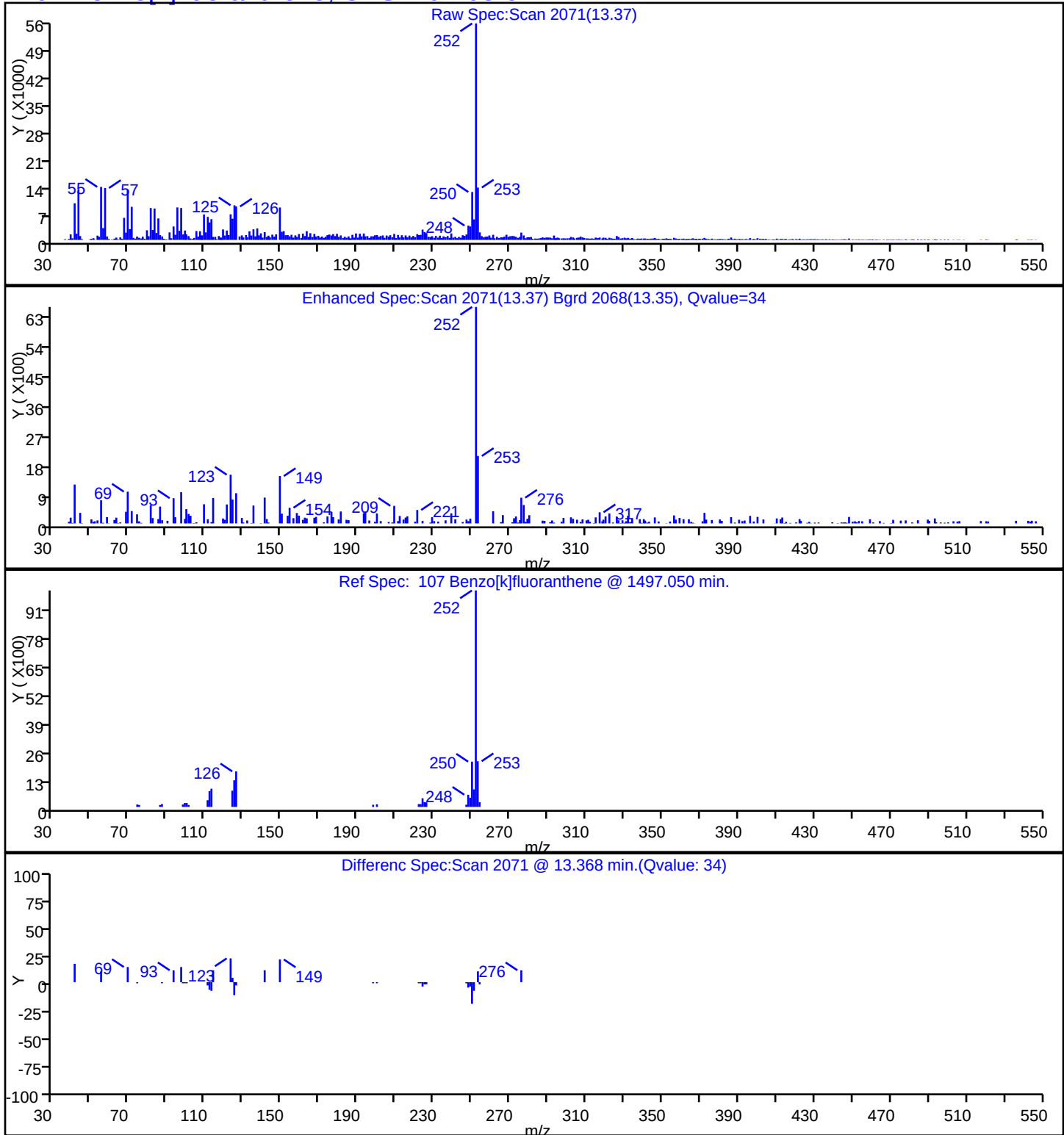
SV 8270D ICAL

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\\20150915-31763.b\\z36350.D

Injection Date: 15-Sep-2015 13:27:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-11-B

Lab Sample ID: 460-100972-11

Client ID: WC-11

Operator ID:

ALS Bottle#: 28 Worklist Smp#: 28

Injection Vol: 1.0 ul

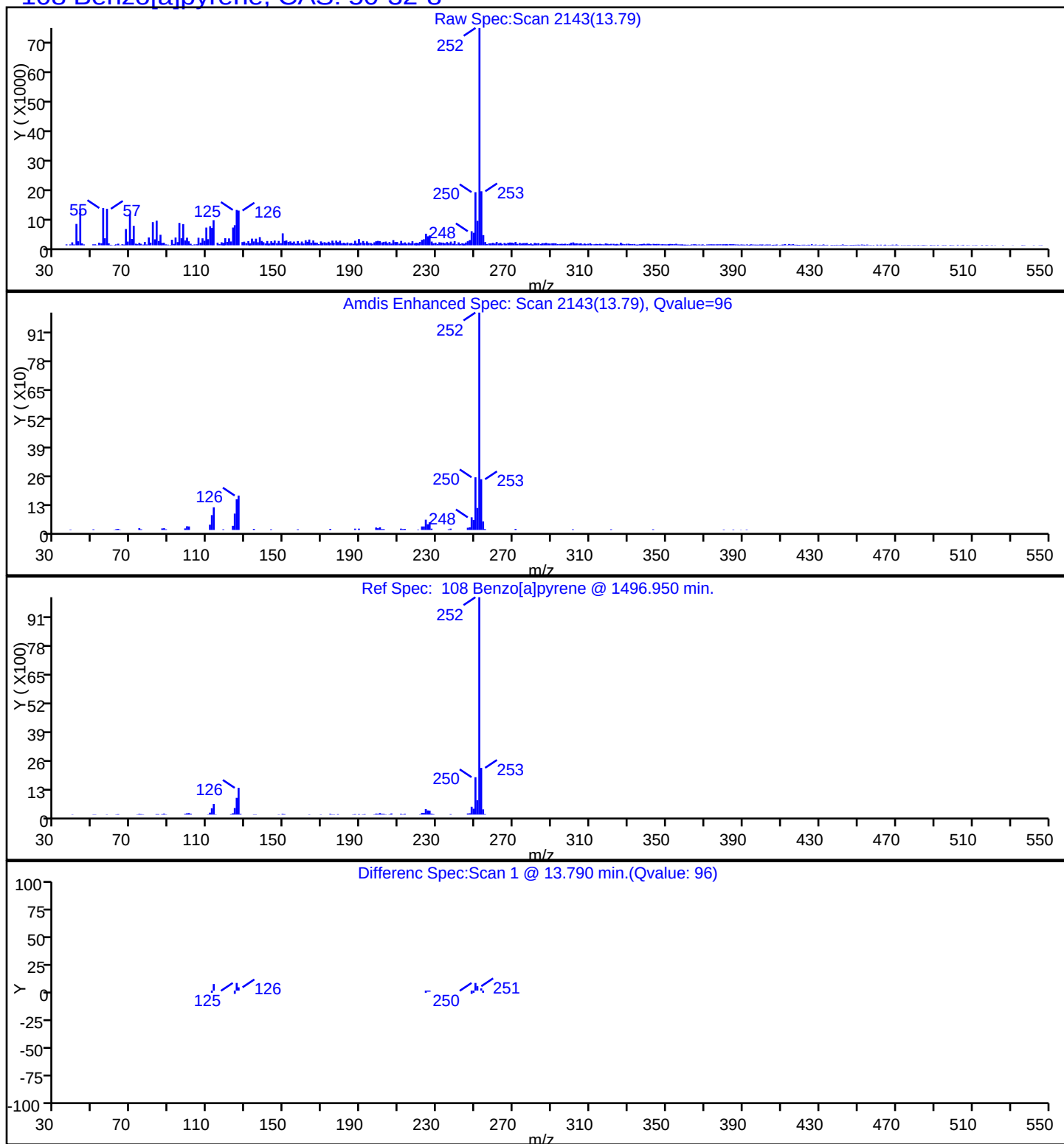
Dil. Factor: 1.0000

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\20150915-31763.b\z36350.D

Injection Date: 15-Sep-2015 13:27:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-11-B

Lab Sample ID: 460-100972-11

Client ID: WC-11

Operator ID:

ALS Bottle#:

28

Worklist Smp#:

28

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

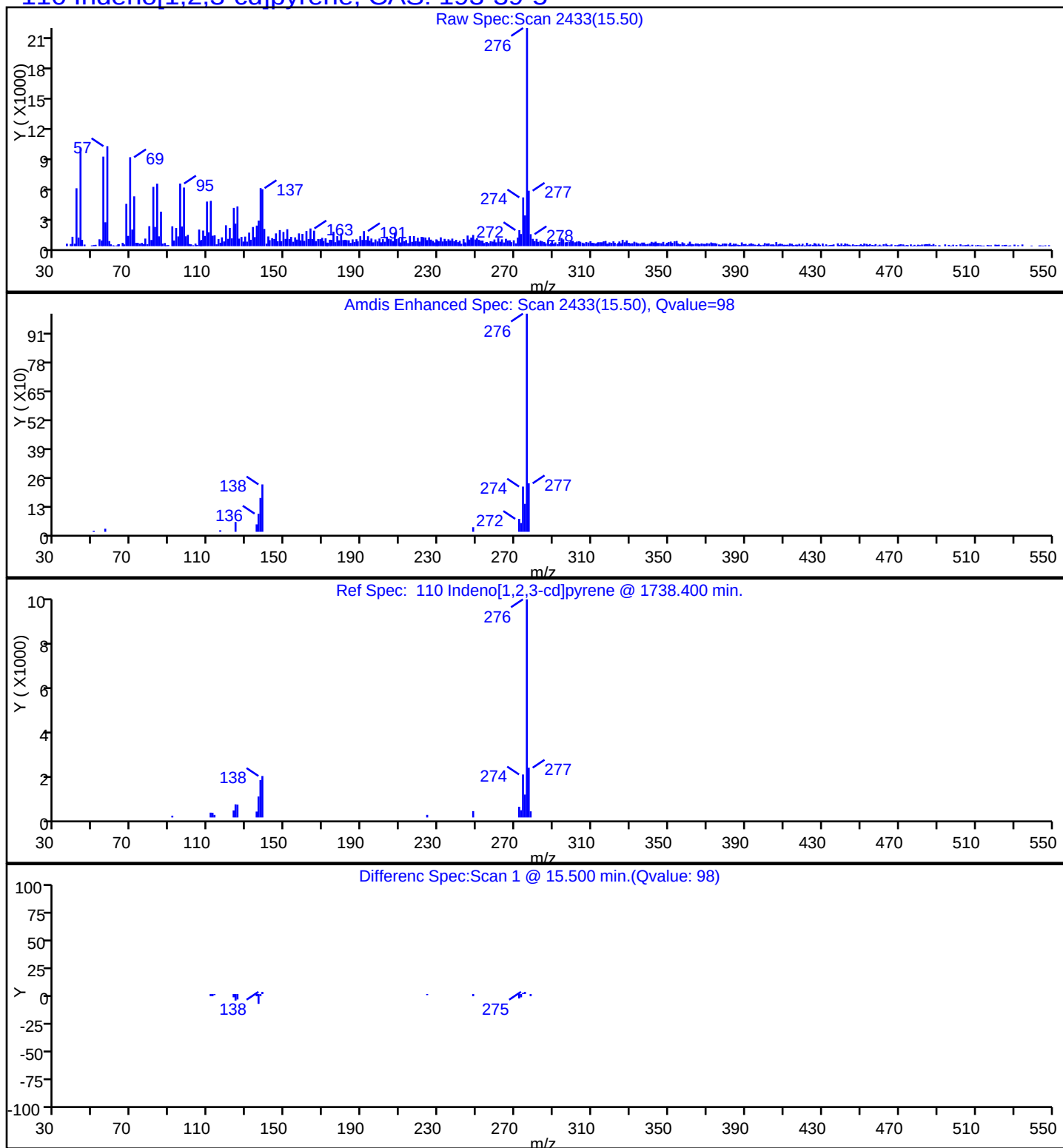
Limit Group:

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\20150915-31763.b\z36350.D

Injection Date: 15-Sep-2015 13:27:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-11-B

Lab Sample ID: 460-100972-11

Client ID: WC-11

Operator ID:

ALS Bottle#:

28

Worklist Smp#:

28

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

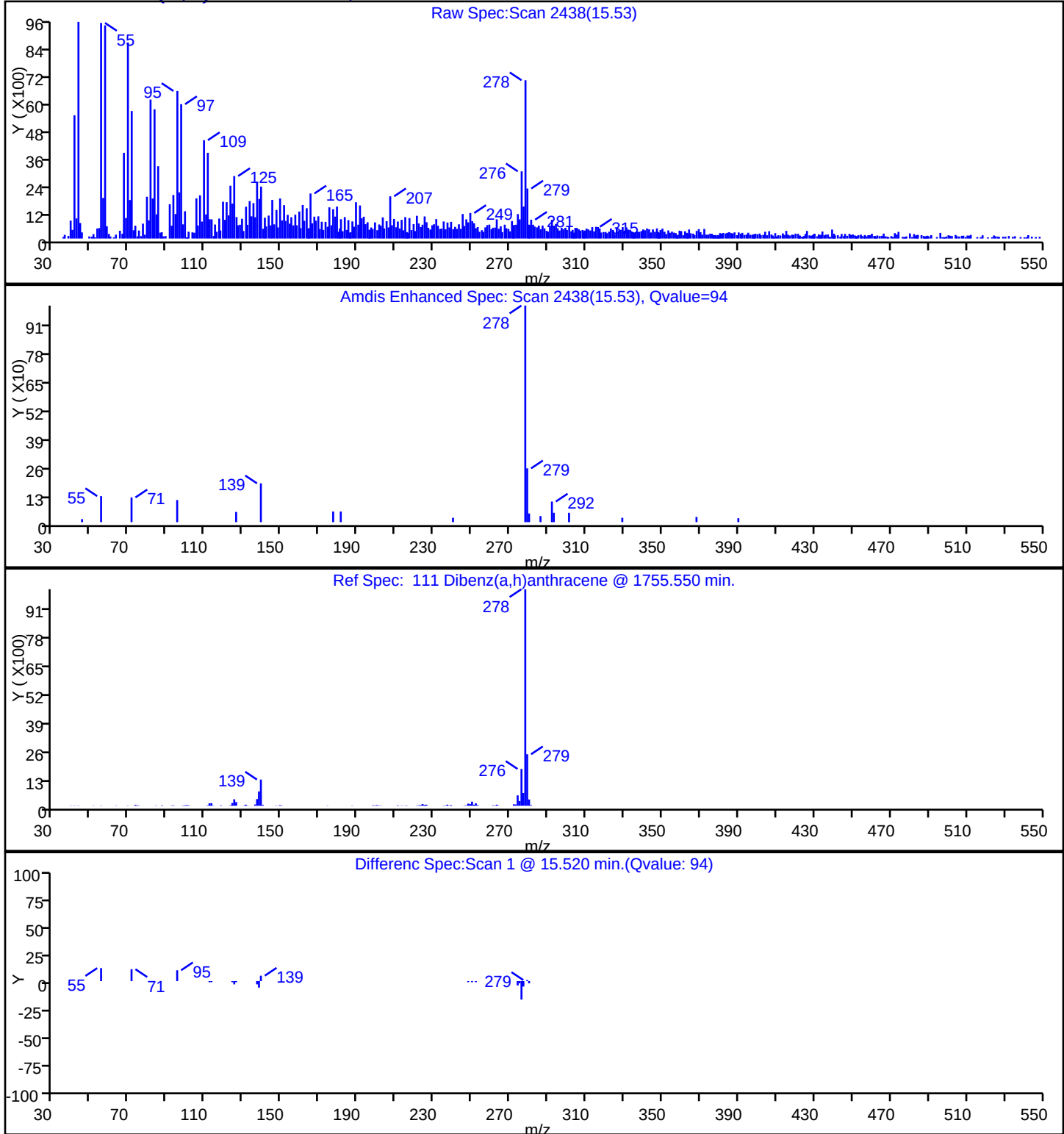
Limit Group:

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\\20150915-31763.b\\z36350.D

Injection Date: 15-Sep-2015 13:27:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-11-B

Lab Sample ID: 460-100972-11

Client ID: WC-11

Operator ID:

ALS Bottle#:

28

Worklist Smp#:

28

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

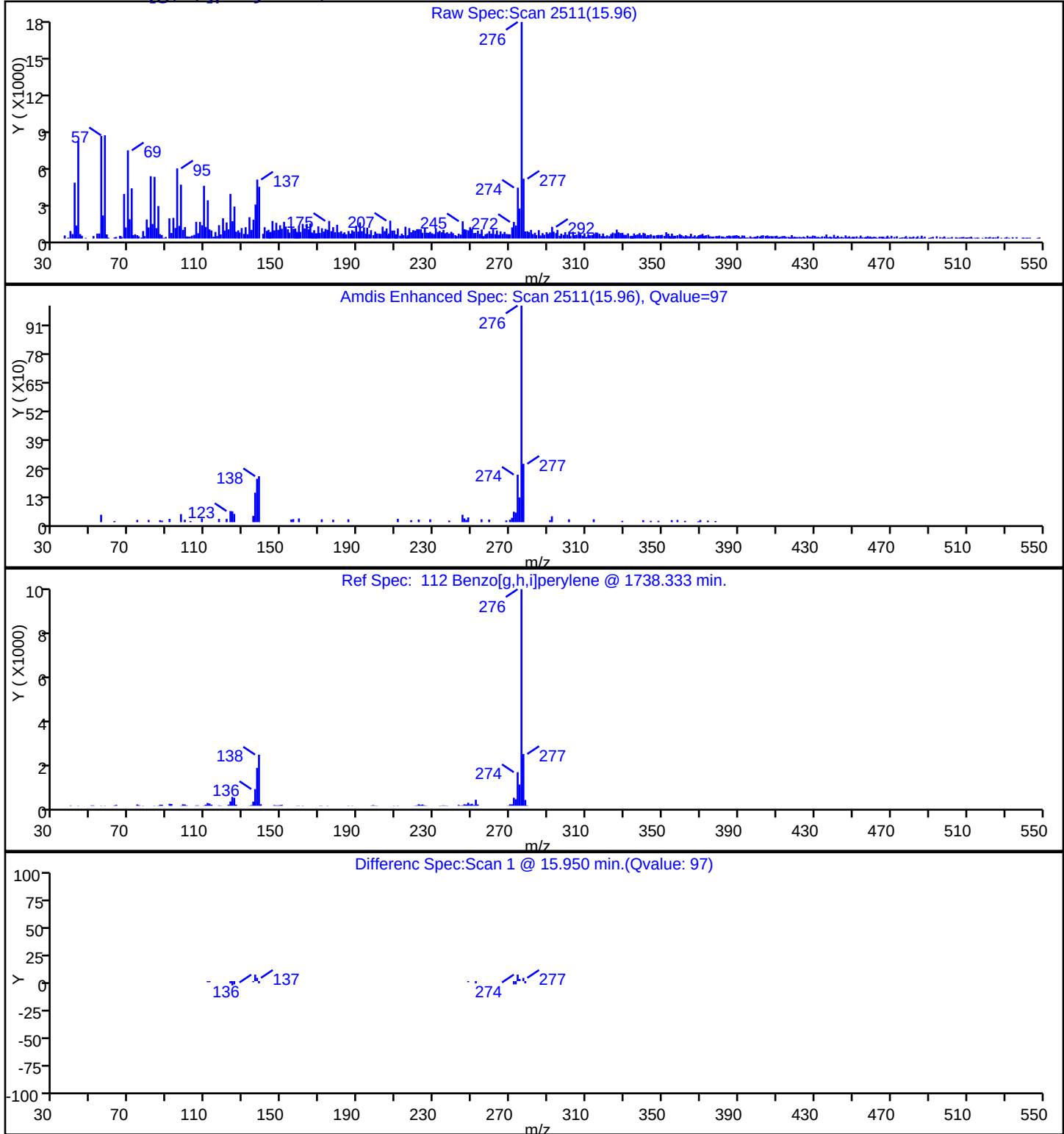
Limit Group:

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>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-12</u>	Lab Sample ID: <u>460-100972-12</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z36332.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>09/11/2015 10:14</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>09/14/2015 08:46</u>
Sample wt/vol: <u>15.0492(g)</u>	Date Analyzed: <u>09/15/2015 06:35</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>15.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322389</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.031	J F1	0.39	0.0099
91-57-6	2-Methylnaphthalene	0.020	J F1	0.39	0.0086
208-96-8	Acenaphthylene	0.010	U F1	0.39	0.010
83-32-9	Acenaphthene	0.16	J F1	0.39	0.0094
86-73-7	Fluorene	0.13	J F1	0.39	0.0085
85-01-8	Phenanthrene	1.7	F1	0.39	0.010
120-12-7	Anthracene	0.53	F1	0.39	0.037
206-44-0	Fluoranthene	3.0	F1	0.39	0.012
129-00-0	Pyrene	2.6	F1	0.39	0.018
56-55-3	Benzo[a]anthracene	1.3	F1	0.039	0.032
218-01-9	Chrysene	1.4	F1	0.39	0.011
205-99-2	Benzo[b]fluoranthene	1.4	F1	0.039	0.015
207-08-9	Benzo[k]fluoranthene	0.52	F1	0.039	0.017
50-32-8	Benzo[a]pyrene	1.0	F1	0.039	0.012
193-39-5	Indeno[1,2,3-cd]pyrene	0.76		0.039	0.026
53-70-3	Dibenz(a,h)anthracene	0.21		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	61		30-130
1718-51-0	Terphenyl-d14	73		30-130
321-60-8	2-Fluorobiphenyl	72		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\z36332.D
 Lims ID: 460-100972-A-12-D Lab Sample ID: 460-100972-12
 Client ID: WC-12
 Sample Type: Client
 Inject. Date: 15-Sep-2015 06:35:30 ALS Bottle#: 10 Worklist Smp#: 10
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031763-010
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 15-Sep-2015 17:12:19 Calib Date: 10-Sep-2015 07:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150909-31608.b\z36210.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK048

First Level Reviewer: manlangitf

Date: 15-Sep-2015 07:23:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
\$ 4 2-Fluorophenol	112	3.316	3.251	0.065	94	416758	27.9	
\$ 6 Phenol-d5	99	4.157	4.169	-0.012	88	498889	28.1	
10 Benzonitrile	103	4.281	4.322	-0.041	0	679	NC	
* 14 1,4-Dichlorobenzene-d4	152	4.528	4.528	0.000	97	469203	40.0	
22 Acetophenone	105	4.916	4.940	-0.024	97	3442	0.1623	
29 2-Toluidine	107	4.910	4.947	-0.037	0	139	NC	
\$ 26 Nitrobenzene-d5	82	5.075	5.092	-0.017	88	536442	30.5	
* 38 Naphthalene-d8	136	5.804	5.810	-0.006	100	1668651	40.0	
39 Naphthalene	128	5.822	5.839	-0.017	98	17610	0.3985	
44 2-Methylnaphthalene	142	6.522	6.534	-0.012	85	7207	0.2612	
45 1-Methylnaphthalene	142	6.622	6.634	-0.012	92	5115	0.2175	
\$ 51 2-Fluorobiphenyl	172	6.886	6.898	-0.012	98	923176	36.1	
* 65 Acenaphthene-d10	164	7.563	7.569	-0.006	92	734488	40.0	
67 Acenaphthene	154	7.592	7.610	-0.018	94	44291	2.06	
71 Dibenzofuran	168	7.763	7.781	-0.017	94	30303	1.12	
74 Fluorene	166	8.104	8.116	-0.012	99	36615	1.68	
\$ 80 2,4,6-Tribromophenol	330	8.351	8.357	-0.006	92	12385	4.57	
86 n-Octadecane	57	8.922	8.927	-0.005	94	19683	1.18	
* 87 Phenanthrene-d10	188	9.039	9.039	0.000	99	876248	40.0	
88 Phenanthrene	178	9.063	9.069	-0.006	97	543895	21.7	
89 Anthracene	178	9.110	9.116	-0.006	98	165857	6.69	
90 Carbazole	167	9.263	9.275	-0.012	97	55523	2.77	
92 Fluoranthene	202	10.245	10.245	0.000	98	783852	38.0	
94 Pyrene	202	10.480	10.480	0.000	97	674176	32.7	
\$ 96 Terphenyl-d14	244	10.633	10.633	0.000	99	505760	36.5	
97 Butyl benzyl phthalate	149	11.168	11.174	-0.006	97	18614	2.24	
101 Benzo[a]anthracene	228	11.862	11.863	-0.001	99	252988	17.0	
* 102 Chrysene-d12	240	11.874	11.869	0.005	99	510441	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.886	11.886	0.000	90	65913	5.78	
103 Chrysene	228	11.904	11.910	-0.006	99	236740	18.1	
105 Di-n-octyl phthalate	149	12.768	12.774	-0.006	42	13365	0.7045	
106 Benzo[b]fluoranthene	252	13.315	13.315	0.000	98	229821	18.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
107 Benzo[k]fluoranthene	252	13.345	13.357	-0.012	99	87774	6.65	
108 Benzo[a]pyrene	252	13.768	13.774	-0.006	97	144532	12.7	
* 109 Perylene-d12	264	13.856	13.851	0.005	98	444608	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.468	15.474	-0.006	99	91297	9.71	
111 Dibenz(a,h)anthracene	278	15.498	15.509	-0.011	37	23906	2.73	
112 Benzo[g,h,i]perylene	276	15.921	15.939	-0.018	97	86627	8.16	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_ISTD_00092

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150915-31763.b\\z36332.D

Injection Date: 15-Sep-2015 06:35:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: 460-100972-A-12-D

Lab Sample ID: 460-100972-12

Worklist Smp#: 10

Client ID: WC-12

Injection Vol: 1.0 ul

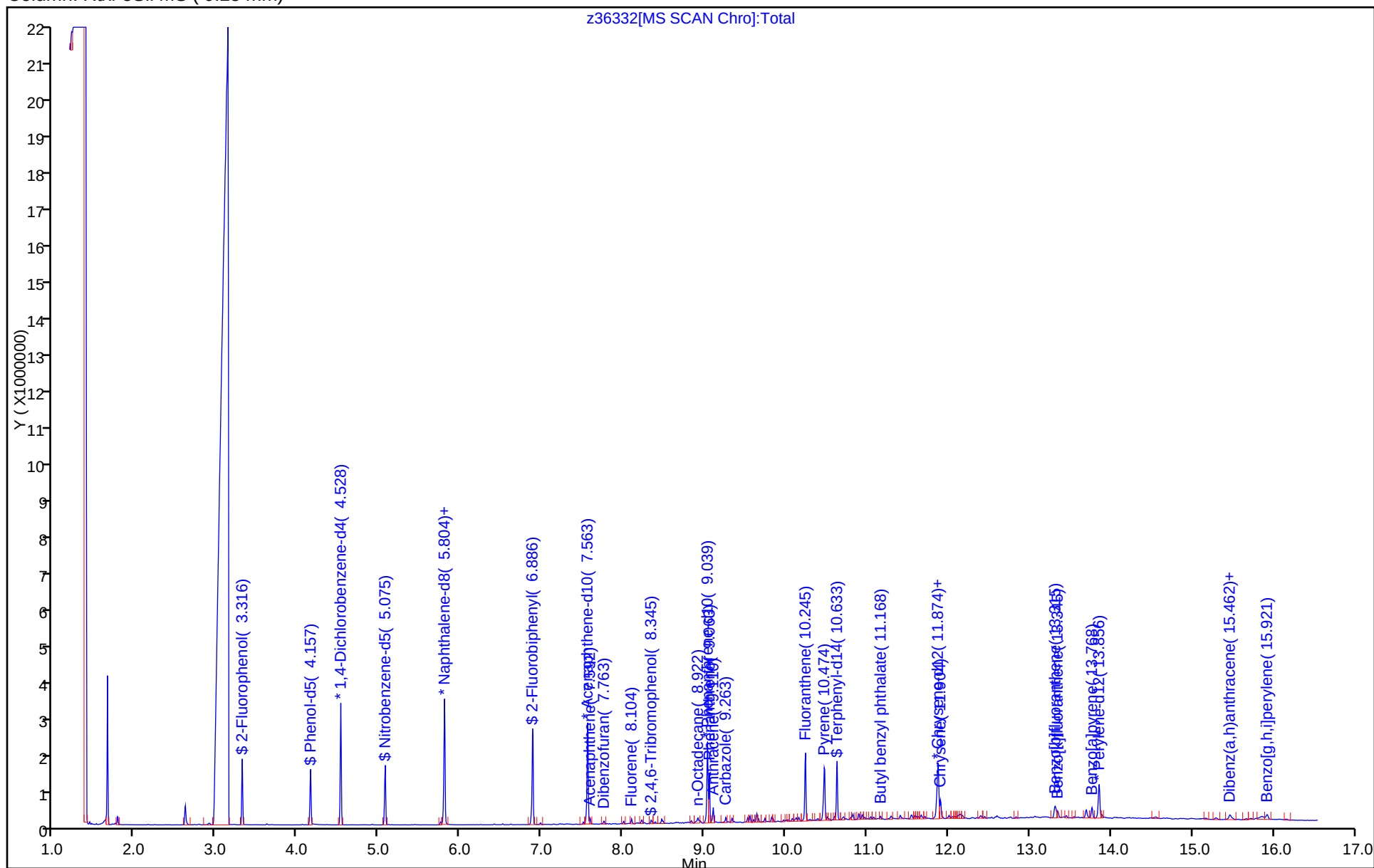
Dil. Factor: 1.0000

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\\20150915-31763.b\\z36332.D

Injection Date: 15-Sep-2015 06:35:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-12-D

Lab Sample ID: 460-100972-12

Client ID: WC-12

Operator ID:

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

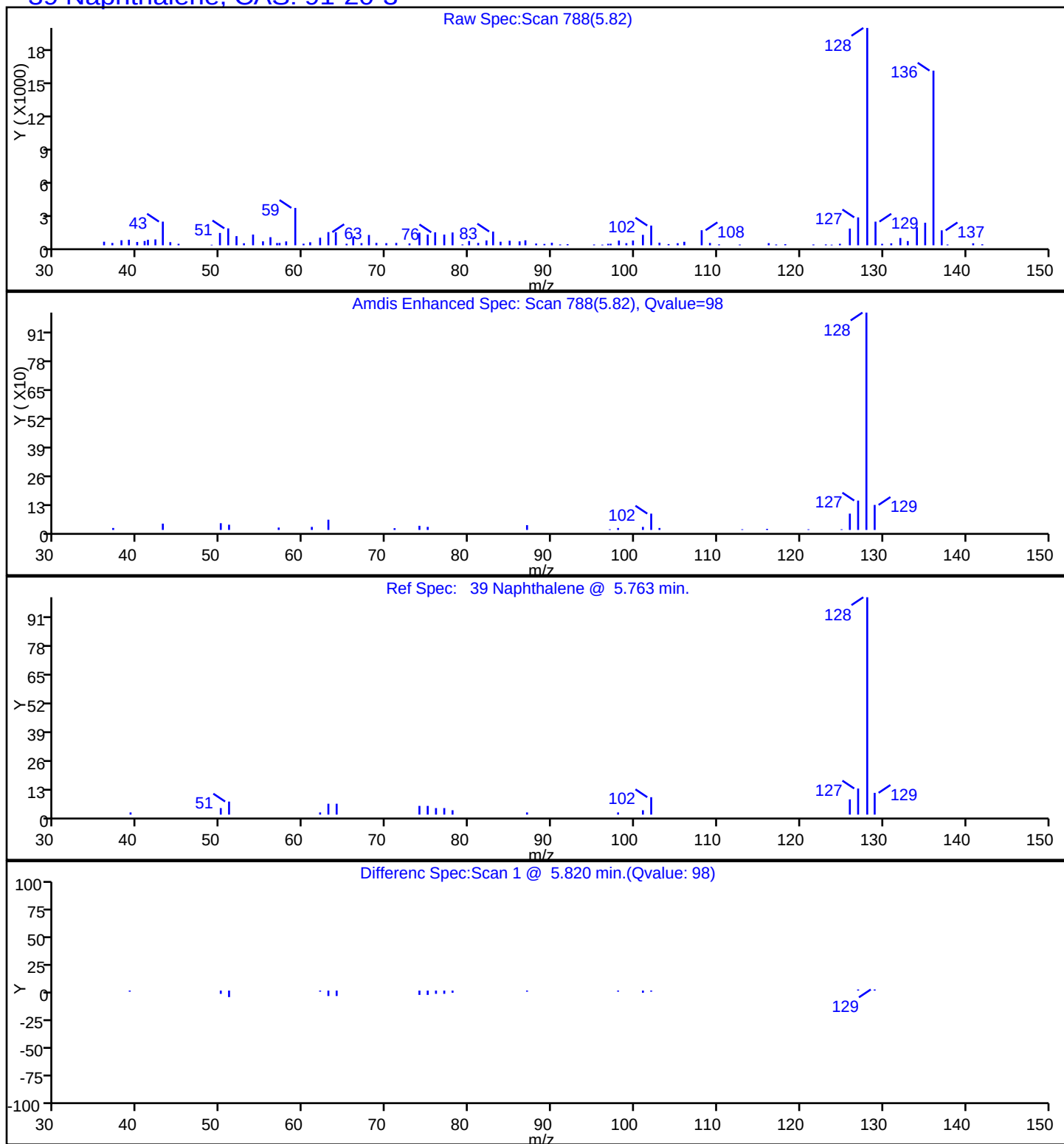
Dil. Factor: 1.0000

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\20150915-31763.b\z36332.D

Injection Date: 15-Sep-2015 06:35:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-12-D

Lab Sample ID: 460-100972-12

Client ID: WC-12

Operator ID:

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

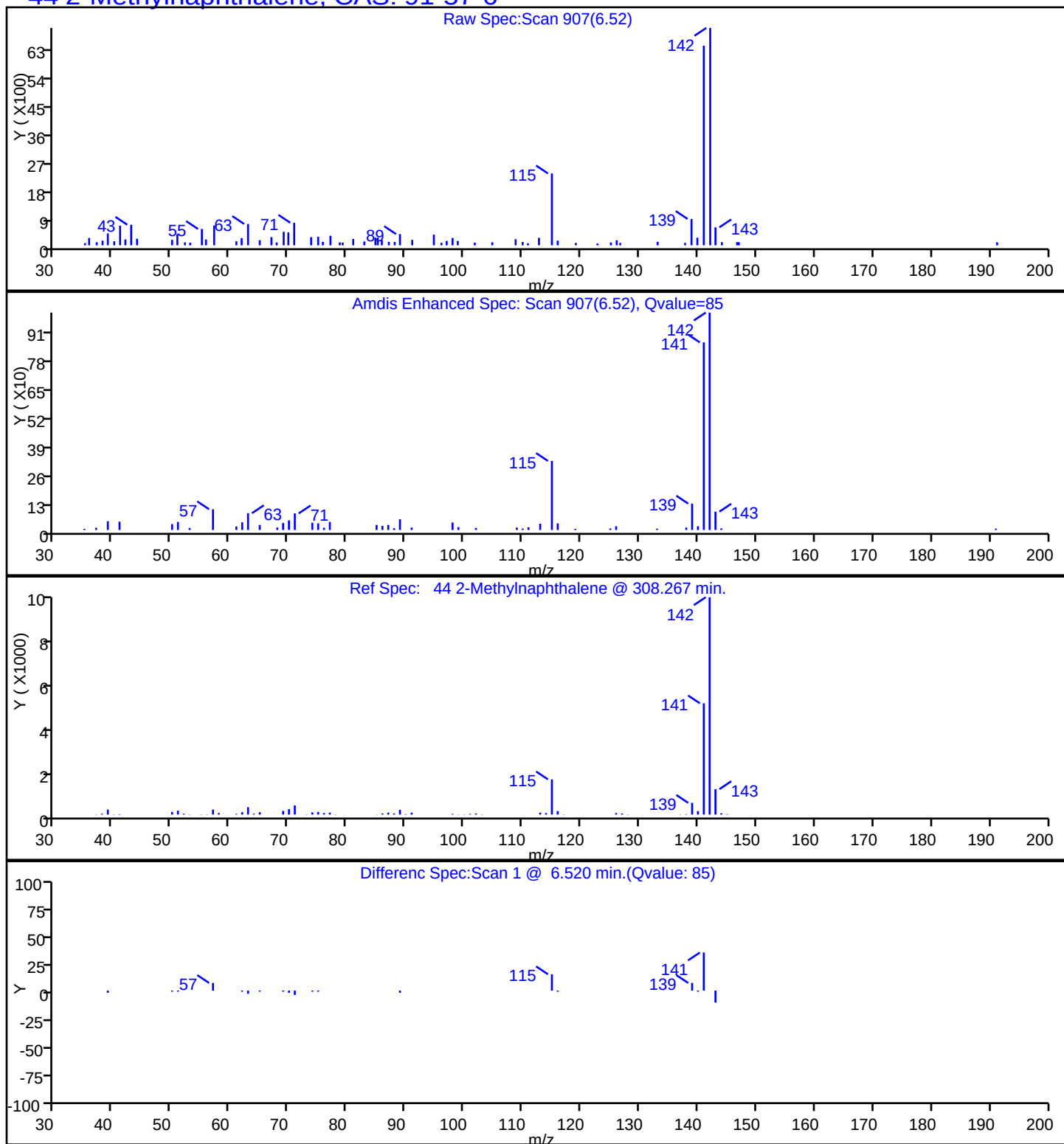
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150915-31763.b\\z36332.D

Injection Date: 15-Sep-2015 06:35:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-12-D

Lab Sample ID: 460-100972-12

Client ID: WC-12

Operator ID:

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

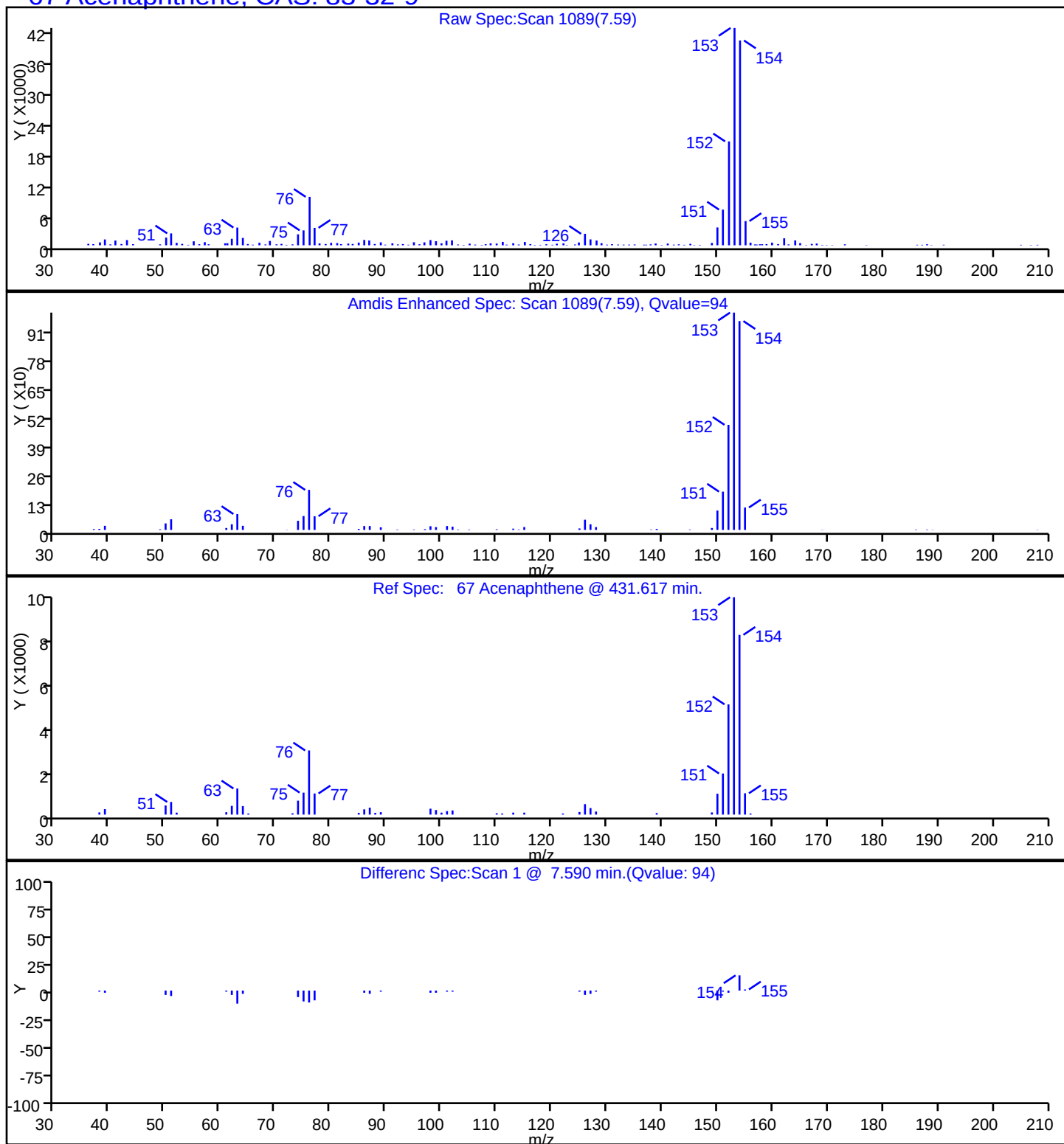
Dil. Factor: 1.0000

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\\20150915-31763.b\\z36332.D

Injection Date: 15-Sep-2015 06:35:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-12-D

Lab Sample ID: 460-100972-12

Client ID: WC-12

Operator ID:

ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

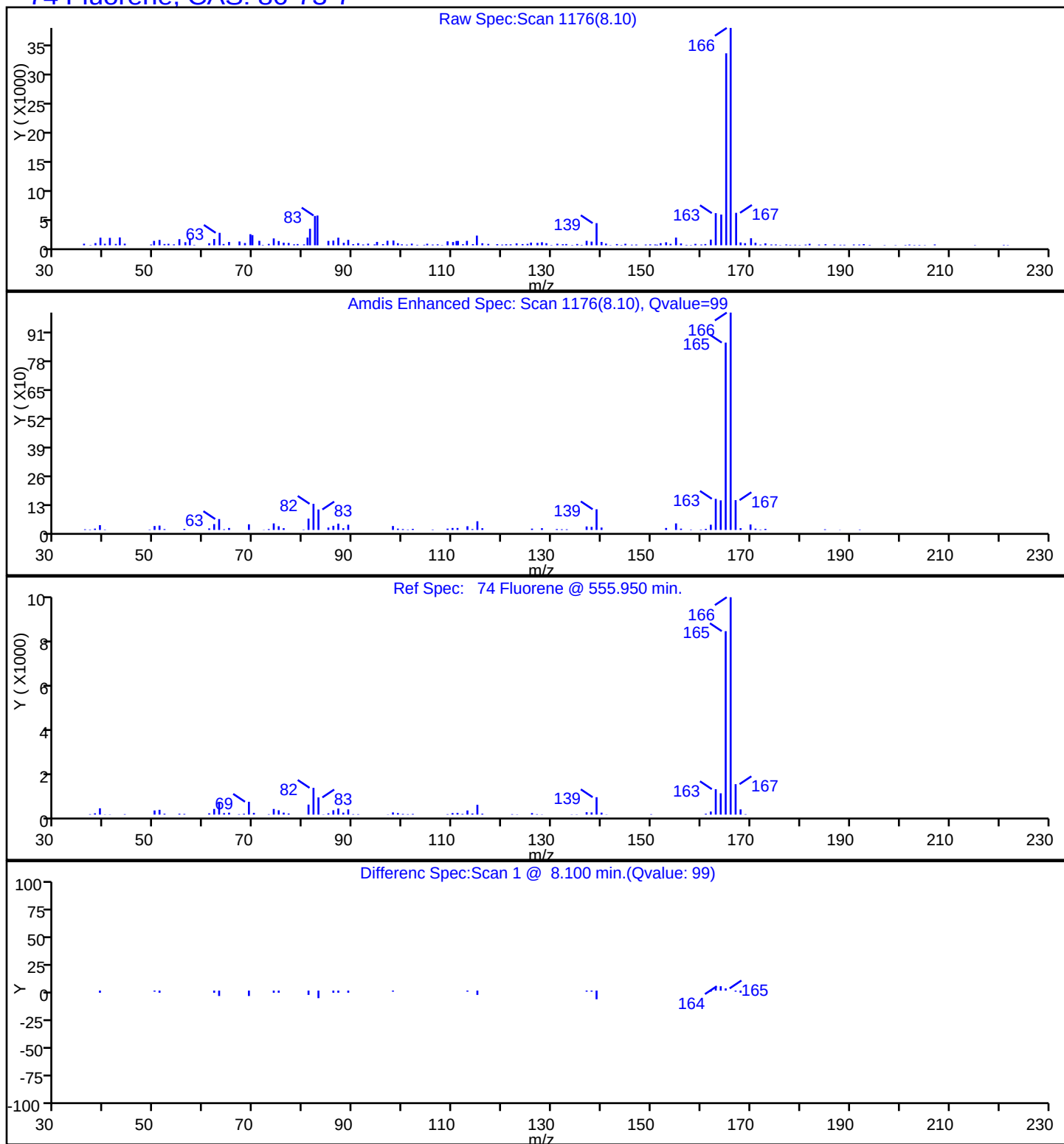
Method: 8270_11R_9

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\\20150915-31763.b\\z36332.D

Injection Date: 15-Sep-2015 06:35:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-12-D

Lab Sample ID: 460-100972-12

Client ID: WC-12

Operator ID:

ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

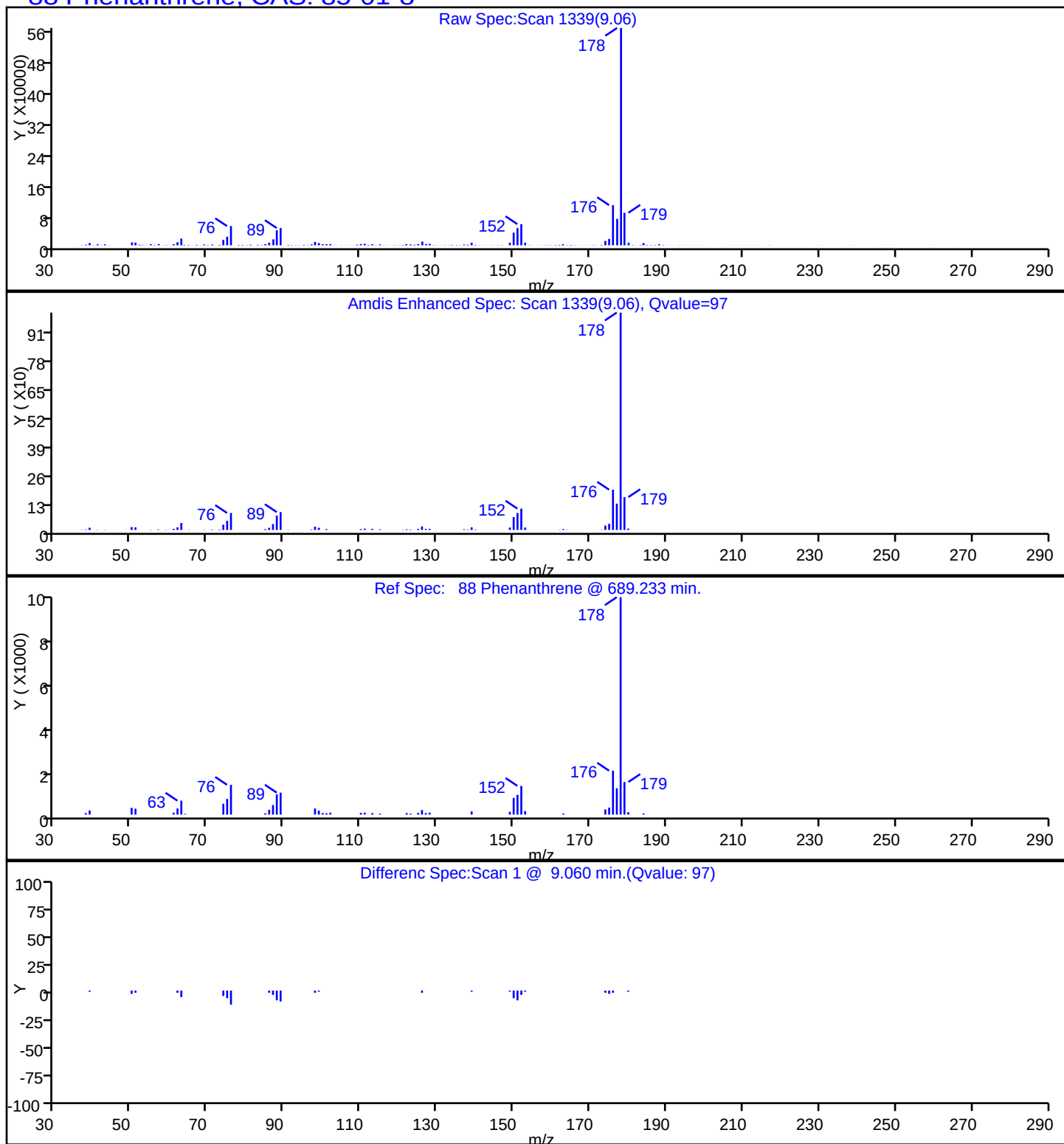
Method: 8270_11R_9

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\20150915-31763.b\z36332.D

Injection Date: 15-Sep-2015 06:35:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-12-D

Lab Sample ID: 460-100972-12

Client ID: WC-12

Operator ID:

ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 1.0 ul

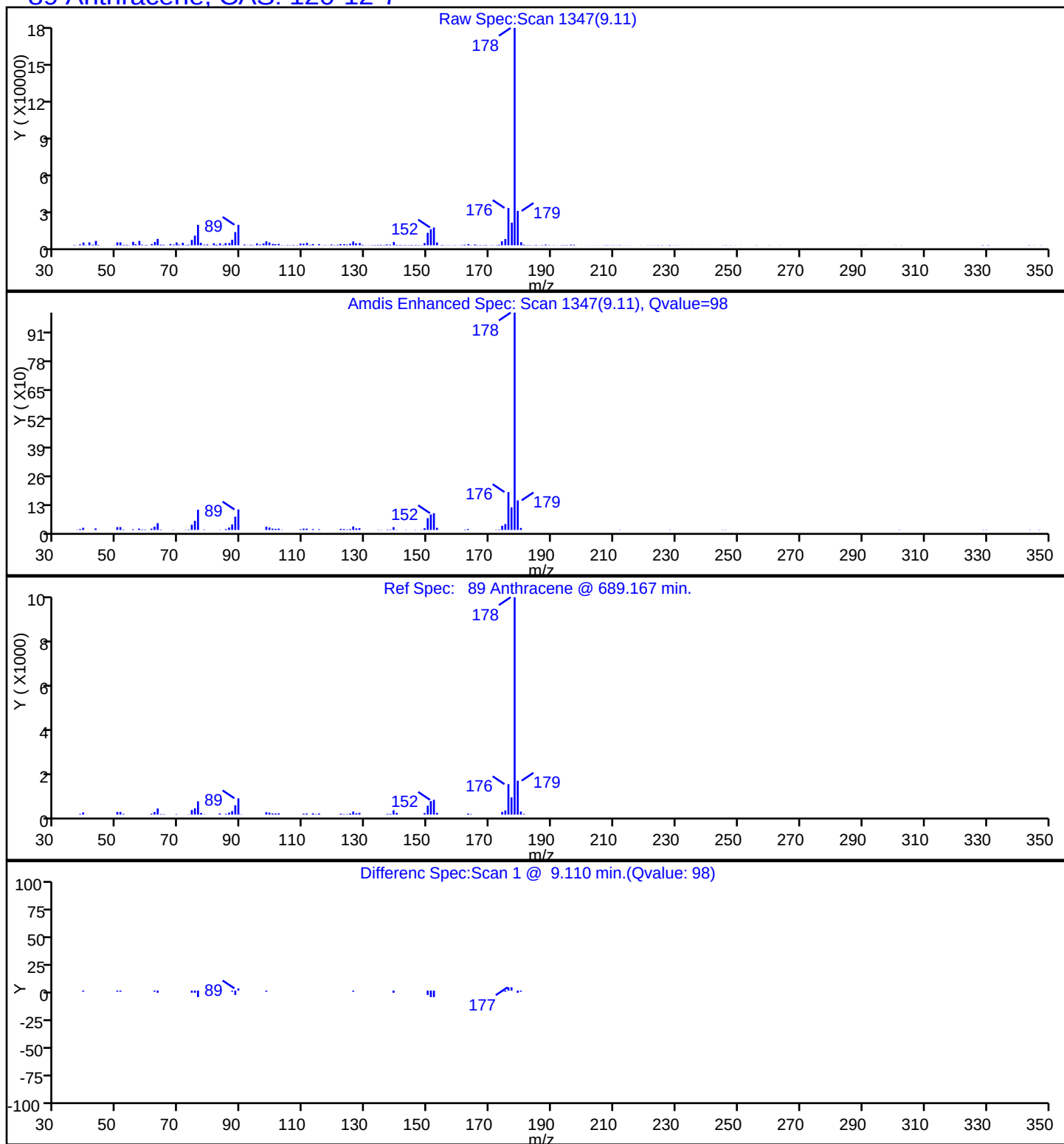
Dil. Factor: 1.0000

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

89 Anthracene, CAS: 120-12-7

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150915-31763.b\\z36332.D

Injection Date: 15-Sep-2015 06:35:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-12-D

Lab Sample ID: 460-100972-12

Client ID: WC-12

Operator ID:

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

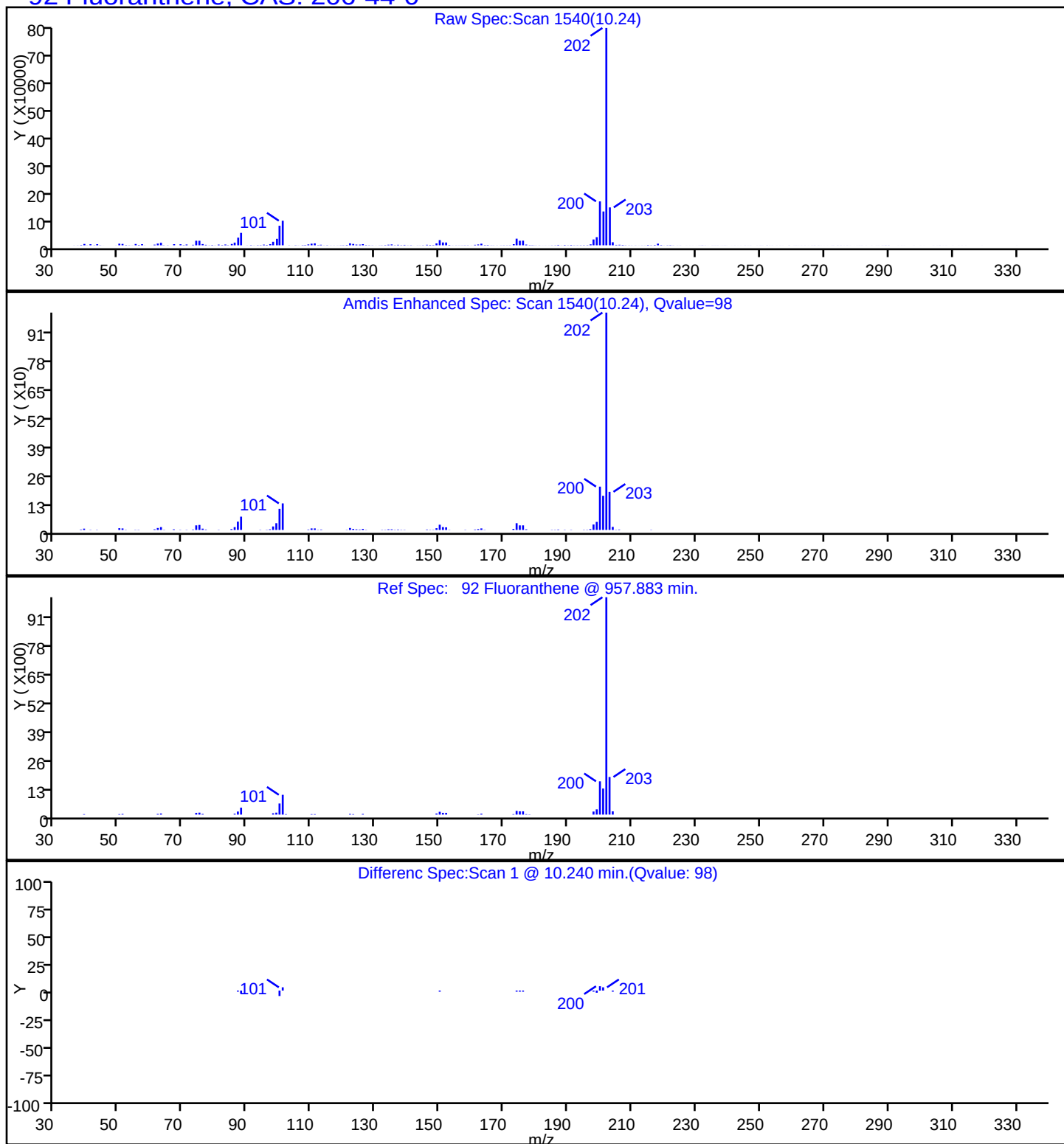
Method: 8270_11R_9

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\20150915-31763.b\z36332.D

Injection Date: 15-Sep-2015 06:35:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-12-D

Lab Sample ID: 460-100972-12

Client ID: WC-12

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

Limit Group:

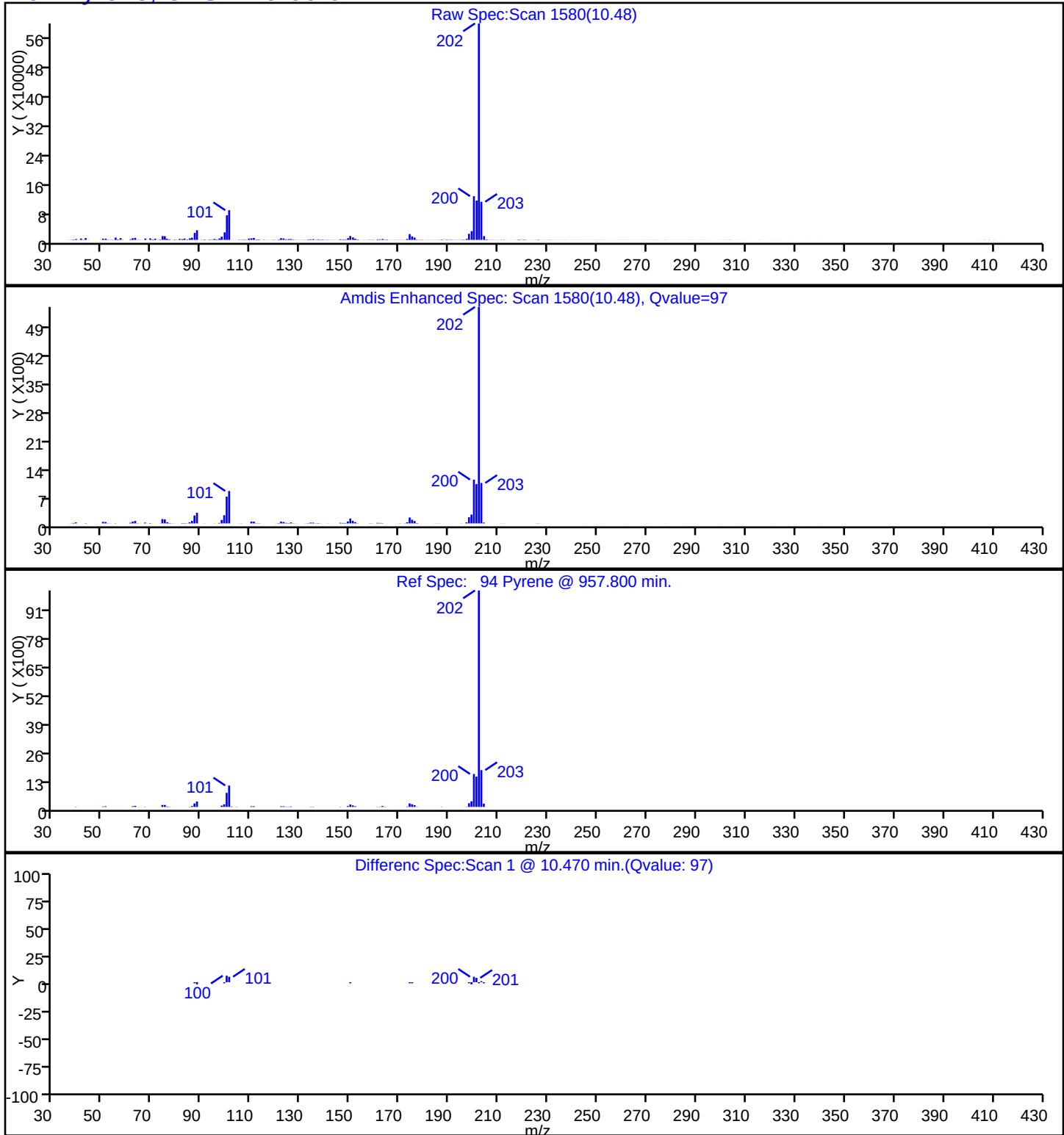
SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

94 Pyrene, CAS: 129-00-0



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150915-31763.b\\z36332.D

Injection Date: 15-Sep-2015 06:35:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-12-D

Lab Sample ID: 460-100972-12

Client ID: WC-12

Operator ID:

ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 1.0 ul

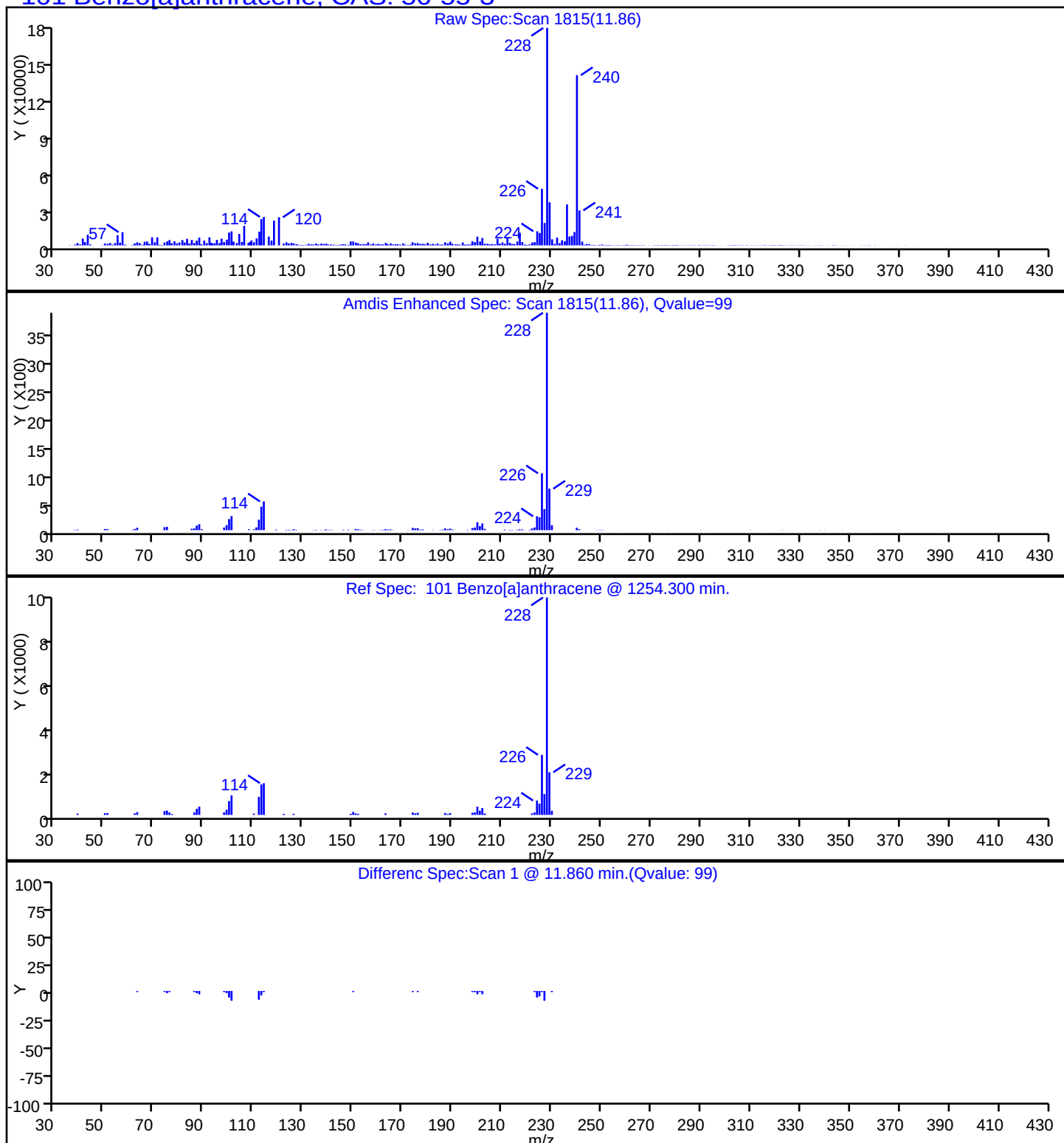
Dil. Factor: 1.0000

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\20150915-31763.b\z36332.D

Injection Date: 15-Sep-2015 06:35:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-12-D

Lab Sample ID: 460-100972-12

Client ID: WC-12

Operator ID:

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

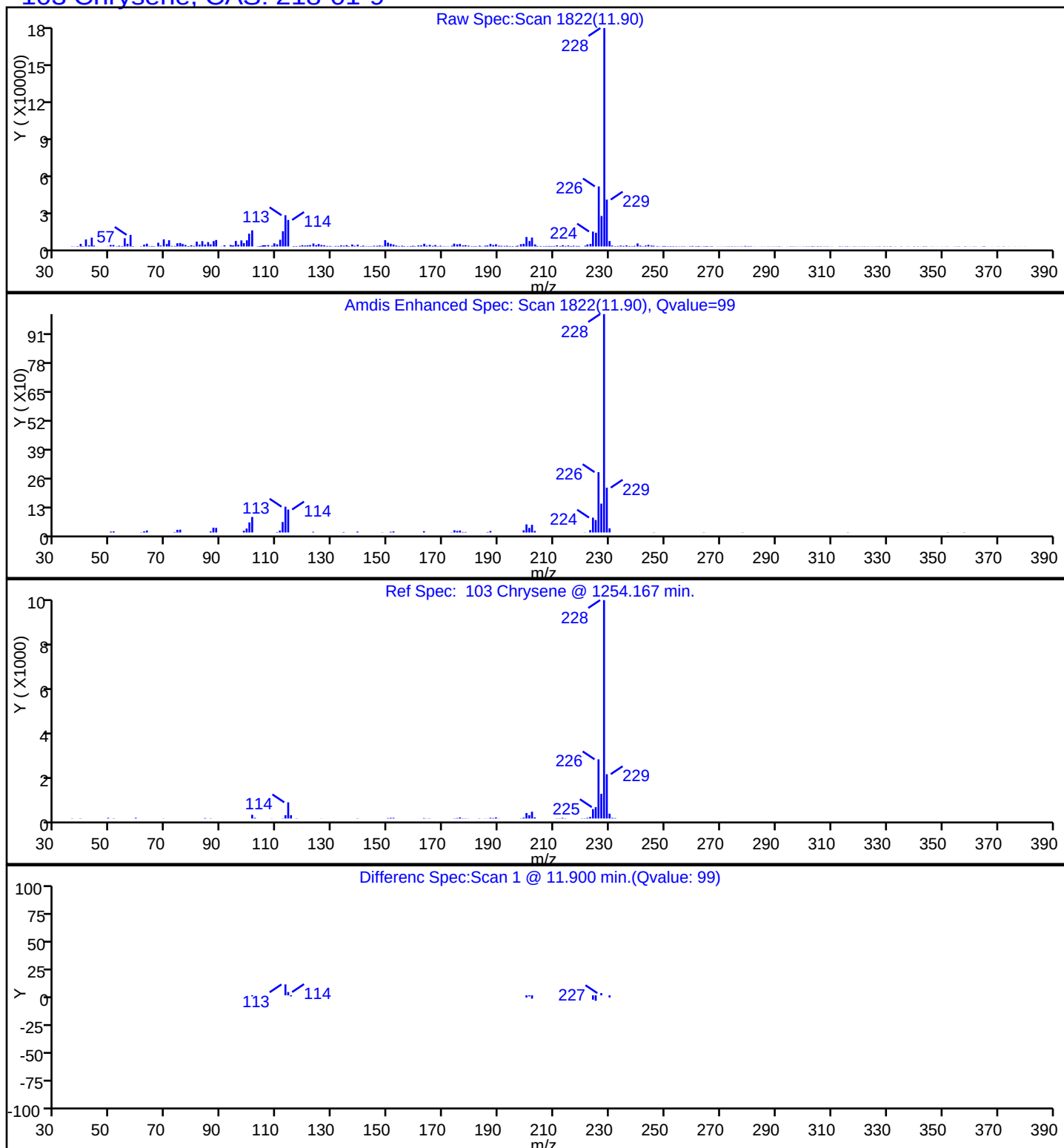
Dil. Factor: 1.0000

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\20150915-31763.b\z36332.D

Injection Date: 15-Sep-2015 06:35:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-12-D

Lab Sample ID: 460-100972-12

Client ID: WC-12

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

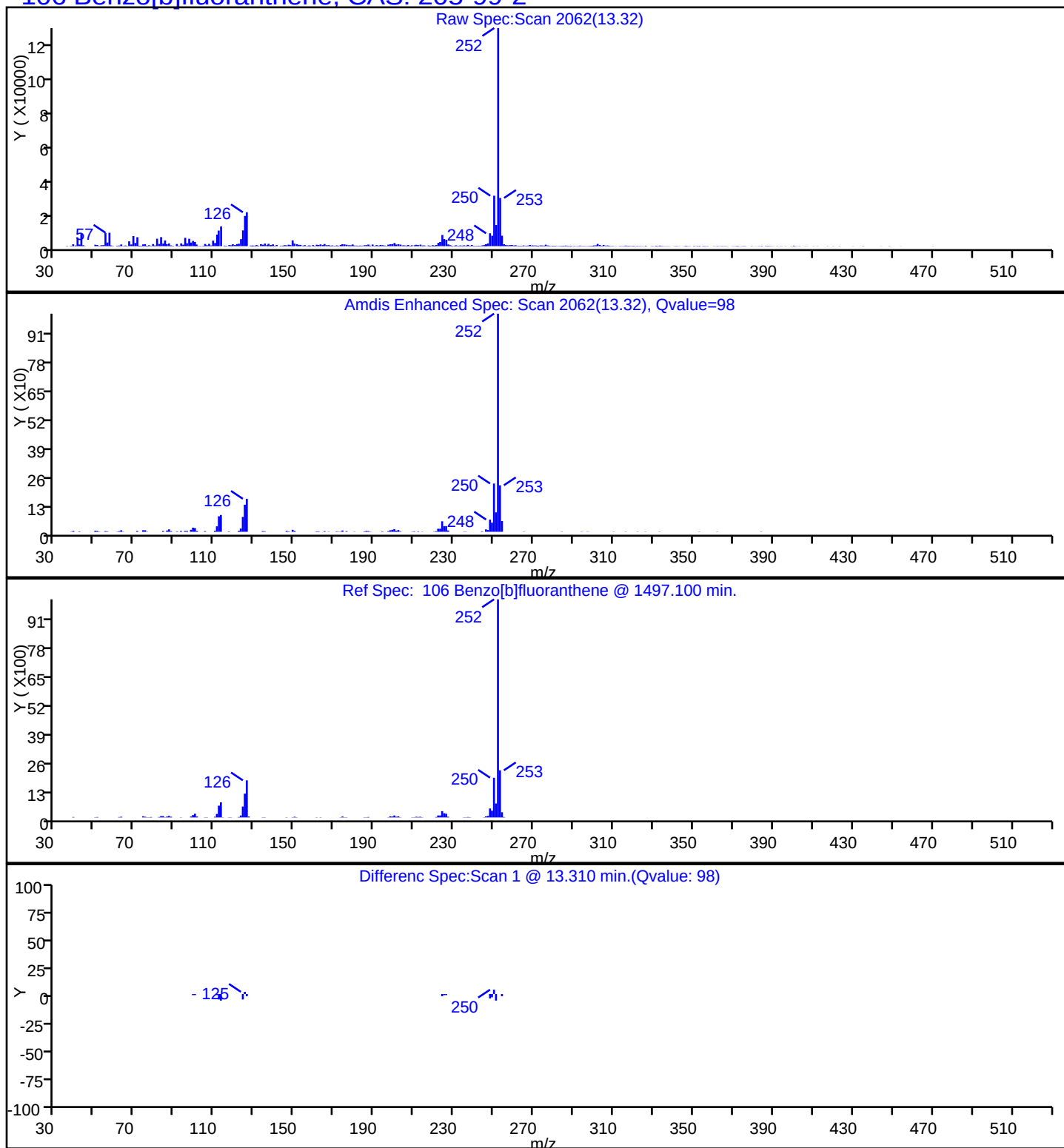
Limit Group:

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\\20150915-31763.b\\z36332.D

Injection Date: 15-Sep-2015 06:35:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-12-D

Lab Sample ID: 460-100972-12

Client ID: WC-12

Operator ID:

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

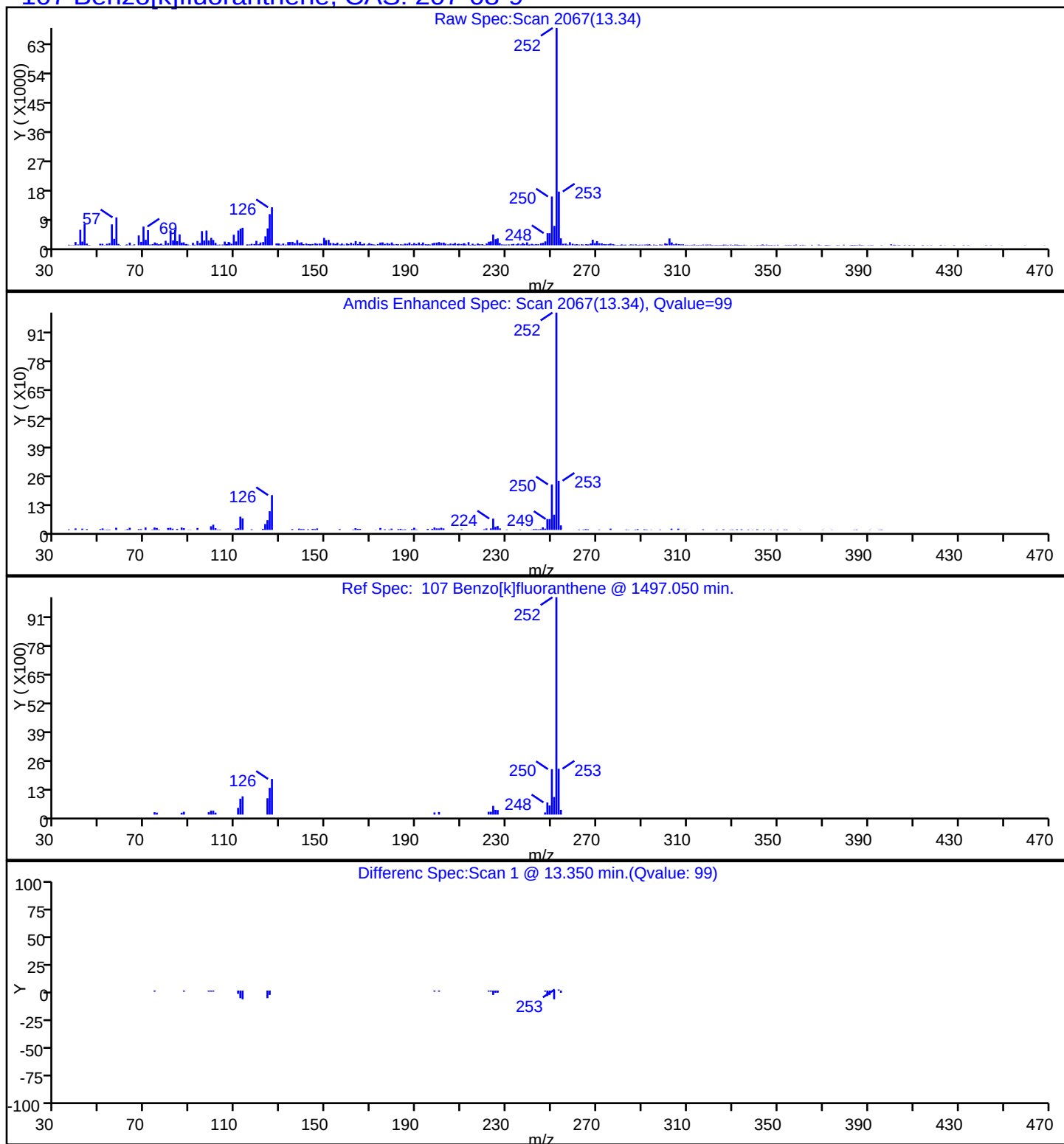
Method: 8270_11R_9

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\\20150915-31763.b\\z36332.D

Injection Date: 15-Sep-2015 06:35:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-12-D

Lab Sample ID: 460-100972-12

Client ID: WC-12

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

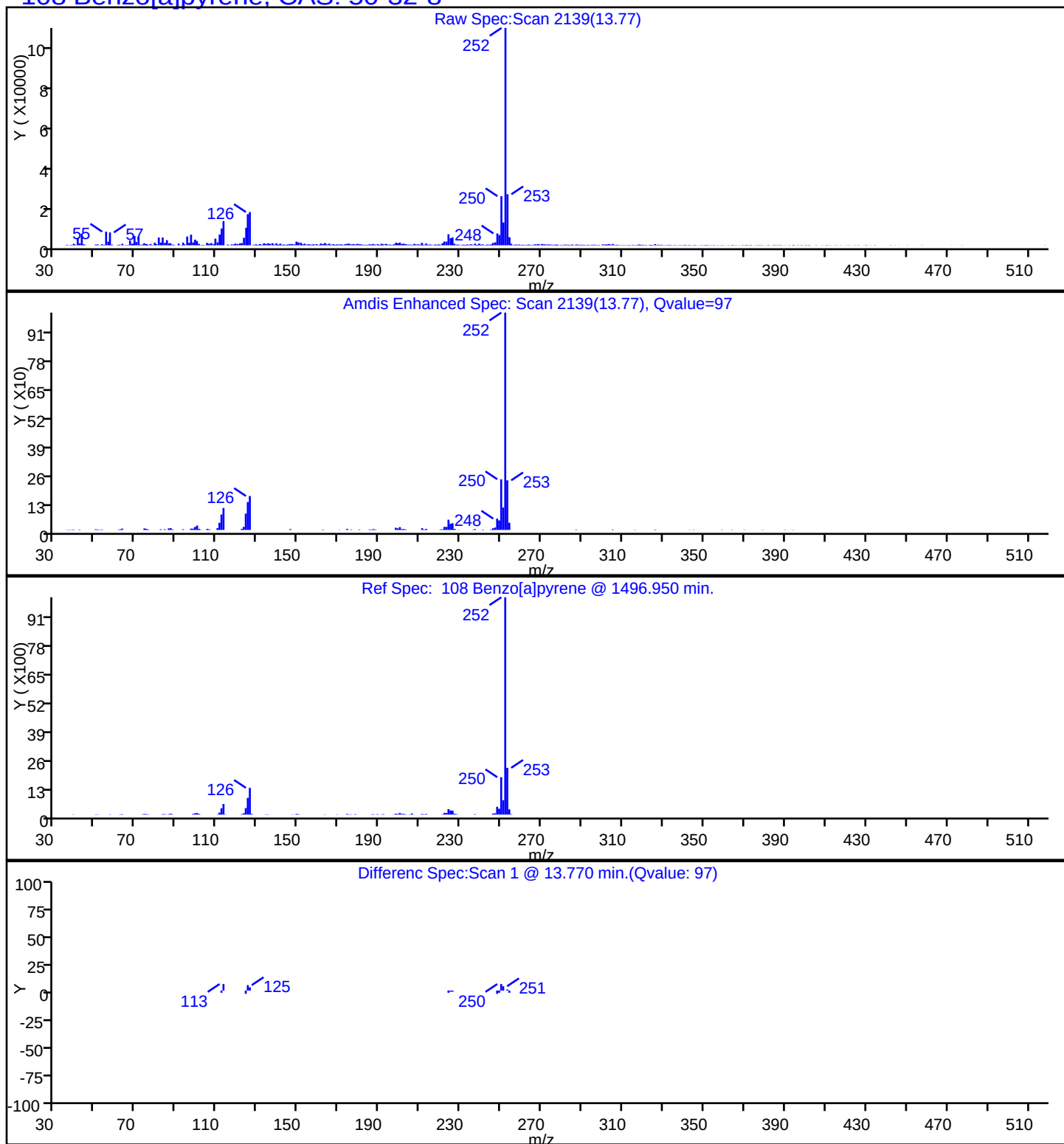
Limit Group:

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\20150915-31763.b\z36332.D

Injection Date: 15-Sep-2015 06:35:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-12-D

Lab Sample ID: 460-100972-12

Client ID: WC-12

Operator ID:

ALS Bottle#: 10

Worklist Smp#: 10

Injection Vol: 1.0 ul

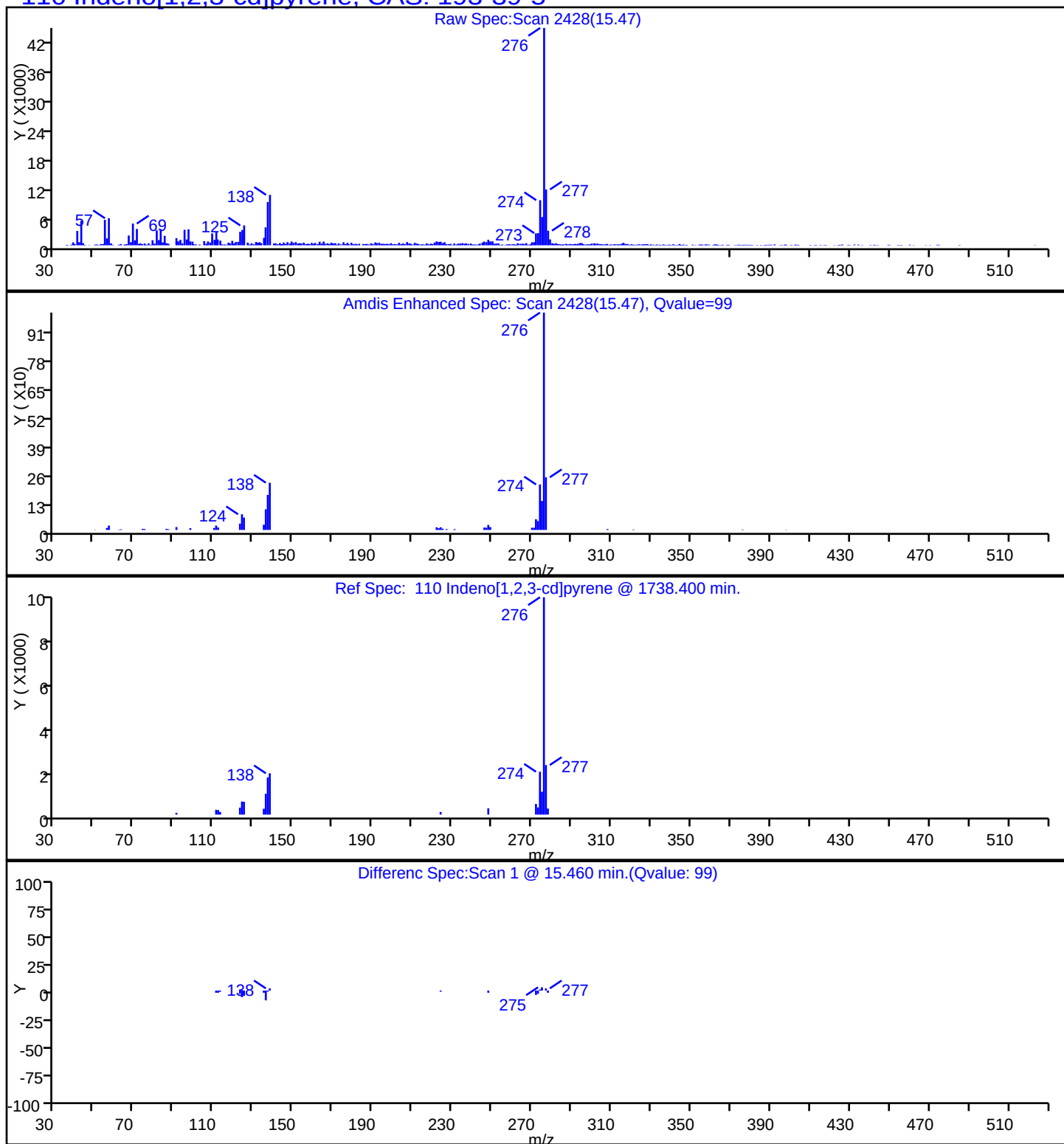
Dil. Factor: 1.0000

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\20150915-31763.b\z36332.D

Injection Date: 15-Sep-2015 06:35:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-12-D

Lab Sample ID: 460-100972-12

Client ID: WC-12

Operator ID:

ALS Bottle#:

10

Worklist Smp#:

10

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8270_11R_9

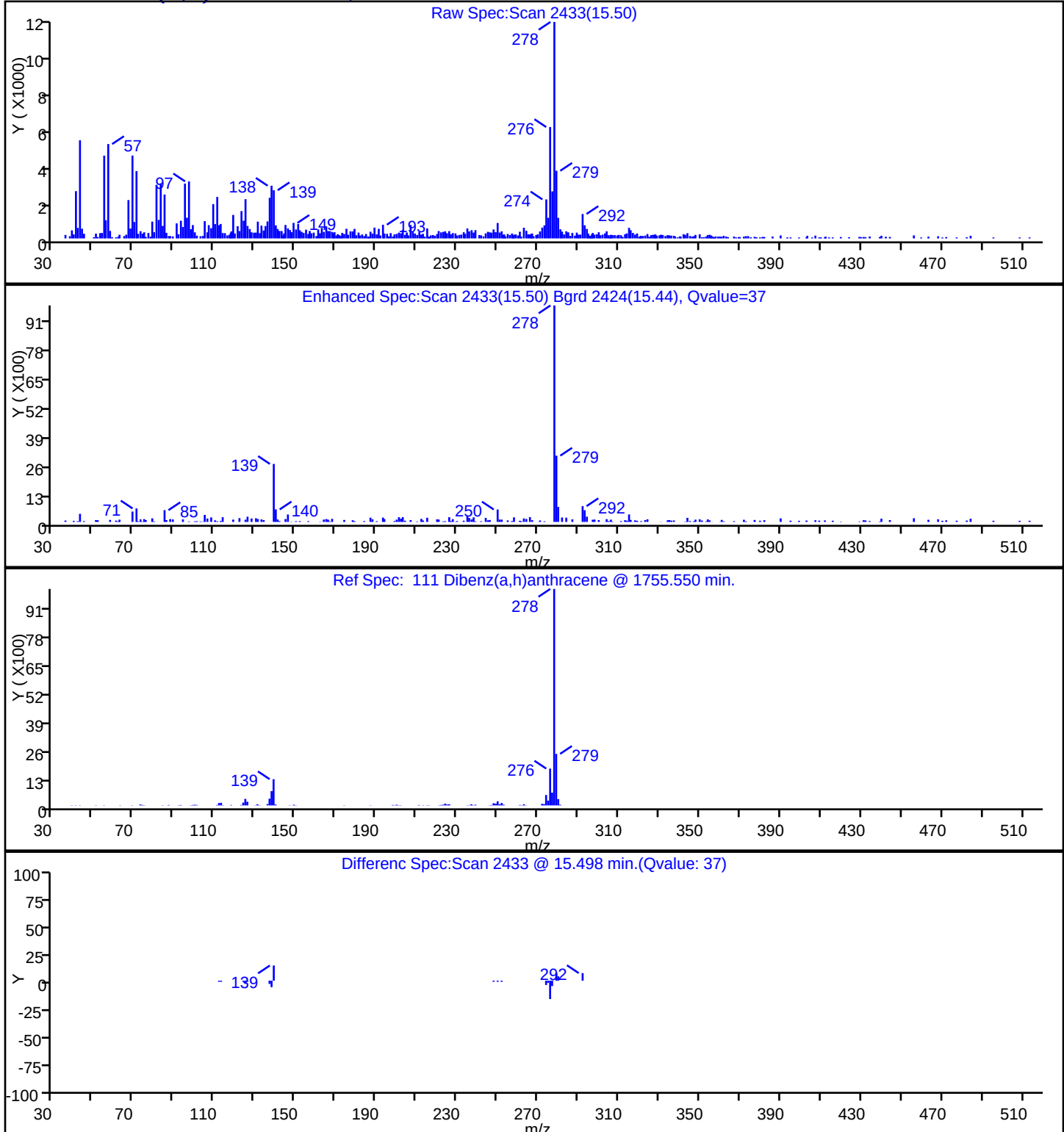
Limit Group:

SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector

MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150915-31763.b\\z36332.D

Injection Date: 15-Sep-2015 06:35:30

Instrument ID: CBNAMS11

Lims ID: 460-100972-A-12-D

Lab Sample ID: 460-100972-12

Client ID: WC-12

Operator ID:

ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 1.0 ul

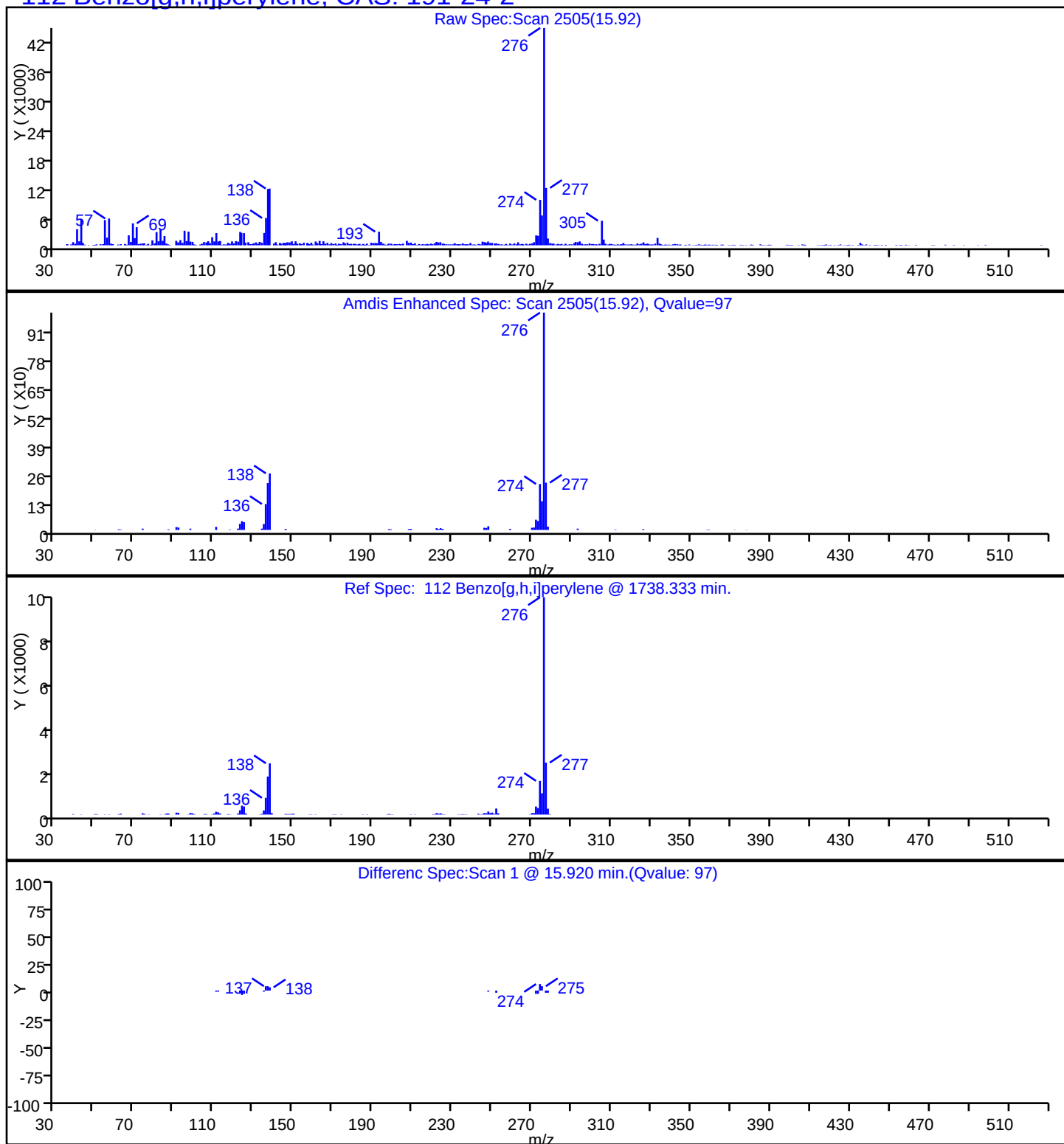
Dil. Factor: 1.0000

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>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-13</u>	Lab Sample ID: <u>460-100972-13</u>
Matrix: <u>Solid</u>	Lab File ID: <u>L125810.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>09/11/2015 10:30</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>09/15/2015 09:39</u>
Sample wt/vol: <u>15.0213(g)</u>	Date Analyzed: <u>09/16/2015 13:13</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>12.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322632</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.0096	U	0.38	0.0096
91-57-6	2-Methylnaphthalene	0.0083	U	0.38	0.0083
208-96-8	Acenaphthylene	0.011	J	0.38	0.0097
83-32-9	Acenaphthene	0.022	J *	0.38	0.0091
86-73-7	Fluorene	0.022	J	0.38	0.0082
85-01-8	Phenanthrene	0.25	J	0.38	0.010
120-12-7	Anthracene	0.055	J	0.38	0.036
206-44-0	Fluoranthene	0.66		0.38	0.011
129-00-0	Pyrene	0.35	J	0.38	0.017
56-55-3	Benzo[a]anthracene	0.27		0.038	0.031
218-01-9	Chrysene	0.34	J	0.38	0.010
205-99-2	Benzo[b]fluoranthene	0.37		0.038	0.015
207-08-9	Benzo[k]fluoranthene	0.15		0.038	0.016
50-32-8	Benzo[a]pyrene	0.25		0.038	0.011
193-39-5	Indeno[1,2,3-cd]pyrene	0.11		0.038	0.025
53-70-3	Dibenz(a,h)anthracene	0.047		0.038	0.020
191-24-2	Benzo[g,h,i]perylene	0.085	J	0.38	0.022

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	53		30-130
1718-51-0	Terphenyl-d14	42		30-130
321-60-8	2-Fluorobiphenyl	58		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125810.D
 Lims ID: 460-100972-A-13-C Lab Sample ID: 460-100972-13
 Client ID: WC-13
 Sample Type: Client
 Inject. Date: 16-Sep-2015 13:13:30 ALS Bottle#: 20 Worklist Smp#: 20
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031812-020
 Operator ID: BNA 12 Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 16-Sep-2015 14:01:13 Calib Date: 27-Aug-2015 09:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20150827-31172.b\L125037.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK025

First Level Reviewer: zhaoc

Date: 16-Sep-2015 14:01:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 13 1,4-Dichlorobenzene-d4	152	4.295	4.296	-0.001	94	107132	40.0	
\$ 26 Nitrobenzene-d5	82	4.854	4.866	-0.012	84	78406	26.3	
* 36 Naphthalene-d8	136	5.584	5.584	0.000	99	345531	40.0	
42 2-Methylnaphthalene	142	6.307	6.307	0.000	17	537	0.0956	7
\$ 50 2-Fluorobiphenyl	172	6.672	6.678	-0.006	98	158304	29.1	
61 Acenaphthylene	152	7.201	7.207	-0.006	32	1013	0.1432	
* 63 Acenaphthene-d10	164	7.342	7.342	0.000	92	163174	40.0	
65 Acenaphthene	154	7.372	7.383	-0.011	92	1297	0.2892	
74 Fluorene	166	7.883	7.889	-0.006	95	1437	0.2908	
* 85 Phenanthrene-d10	188	8.807	8.813	-0.006	98	247576	40.0	
86 Phenanthrene	178	8.830	8.842	-0.012	97	22214	3.29	
87 Anthracene	178	8.883	8.889	-0.006	97	4911	0.7292	
90 Fluoranthene	202	10.007	10.013	-0.006	98	52712	8.70	
92 Pyrene	202	10.230	10.236	-0.006	97	55880	4.63	
\$ 94 Terphenyl-d14	244	10.389	10.389	0.000	99	173035	20.8	
99 Benzo[a]anthracene	228	11.571	11.577	-0.006	99	34997	3.61	
* 100 Chrysene-d12	240	11.583	11.583	0.000	99	350294	40.0	
101 Chrysene	228	11.613	11.624	-0.011	99	39828	4.53	
104 Benzo[b]fluoranthene	252	12.989	13.001	-0.012	98	47085	4.85	
105 Benzo[k]fluoranthene	252	13.024	13.042	-0.018	1	20701	2.02	
106 Benzo[a]pyrene	252	13.436	13.448	-0.012	96	30549	3.28	
* 107 Perylene-d12	264	13.524	13.519	0.005	98	380992	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.983	15.001	-0.018	99	13203	1.40	
109 Dibenz(a,h)anthracene	278	15.006	15.024	-0.018	94	4126	0.6196	
110 Benzo[g,h,i]perylene	276	15.336	15.359	-0.023	98	13502	1.12	

[QC Flag Legend](#)

Processing Flags

7 - Failed Limit of Detection

[Reagents:](#)

SM_ISTD_00092

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20150916-31812.b\\L125810.D

Injection Date: 16-Sep-2015 13:13:30

Instrument ID: CBNAMS12

Operator ID: BNA 12

Lims ID: 460-100972-A-13-C

Lab Sample ID: 460-100972-13

Worklist Smp#: 20

Client ID: WC-13

Injection Vol: 1.0 ul

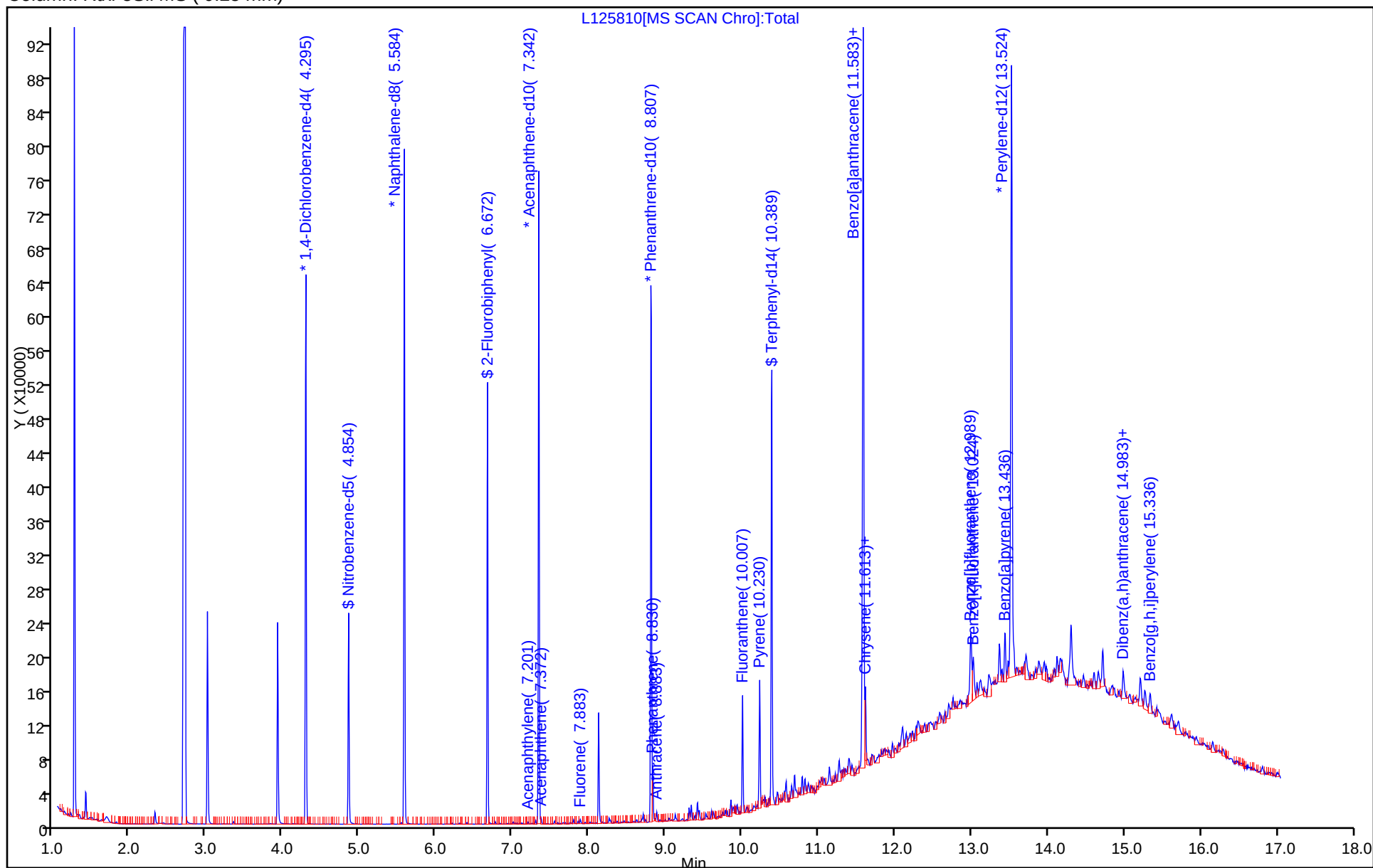
Dil. Factor: 1.0000

ALS Bottle#: 20

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125810.D

Injection Date: 16-Sep-2015 13:13:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-13-C

Lab Sample ID: 460-100972-13

Client ID: WC-13

Operator ID: BNA 12

ALS Bottle#: 20 Worklist Smp#: 20

Injection Vol: 1.0 ul

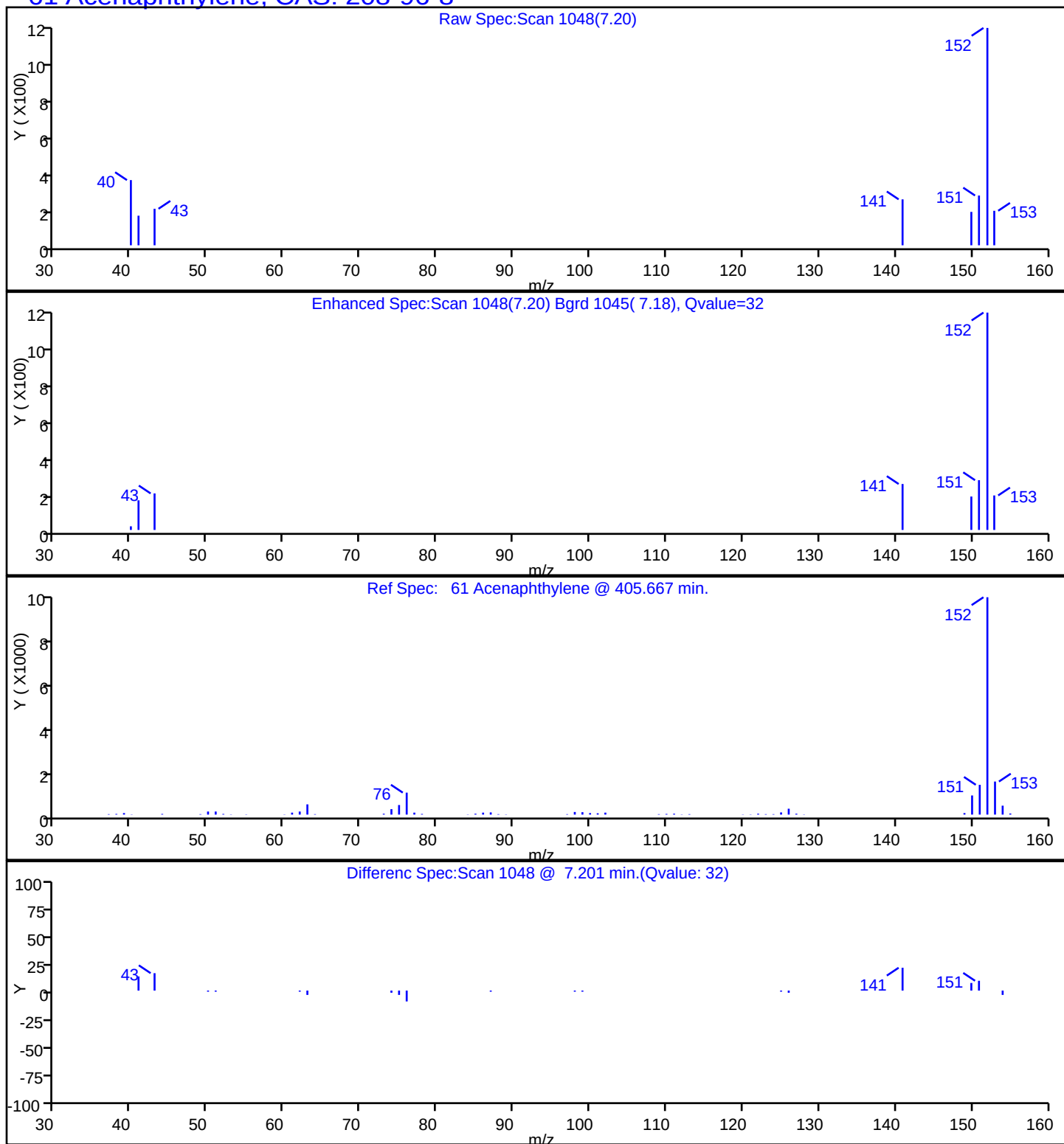
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

61 Acenaphthylene, CAS: 208-96-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125810.D

Injection Date: 16-Sep-2015 13:13:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-13-C

Lab Sample ID: 460-100972-13

Client ID: WC-13

Operator ID: BNA 12

ALS Bottle#: 20

Worklist Smp#: 20

Injection Vol: 1.0 ul

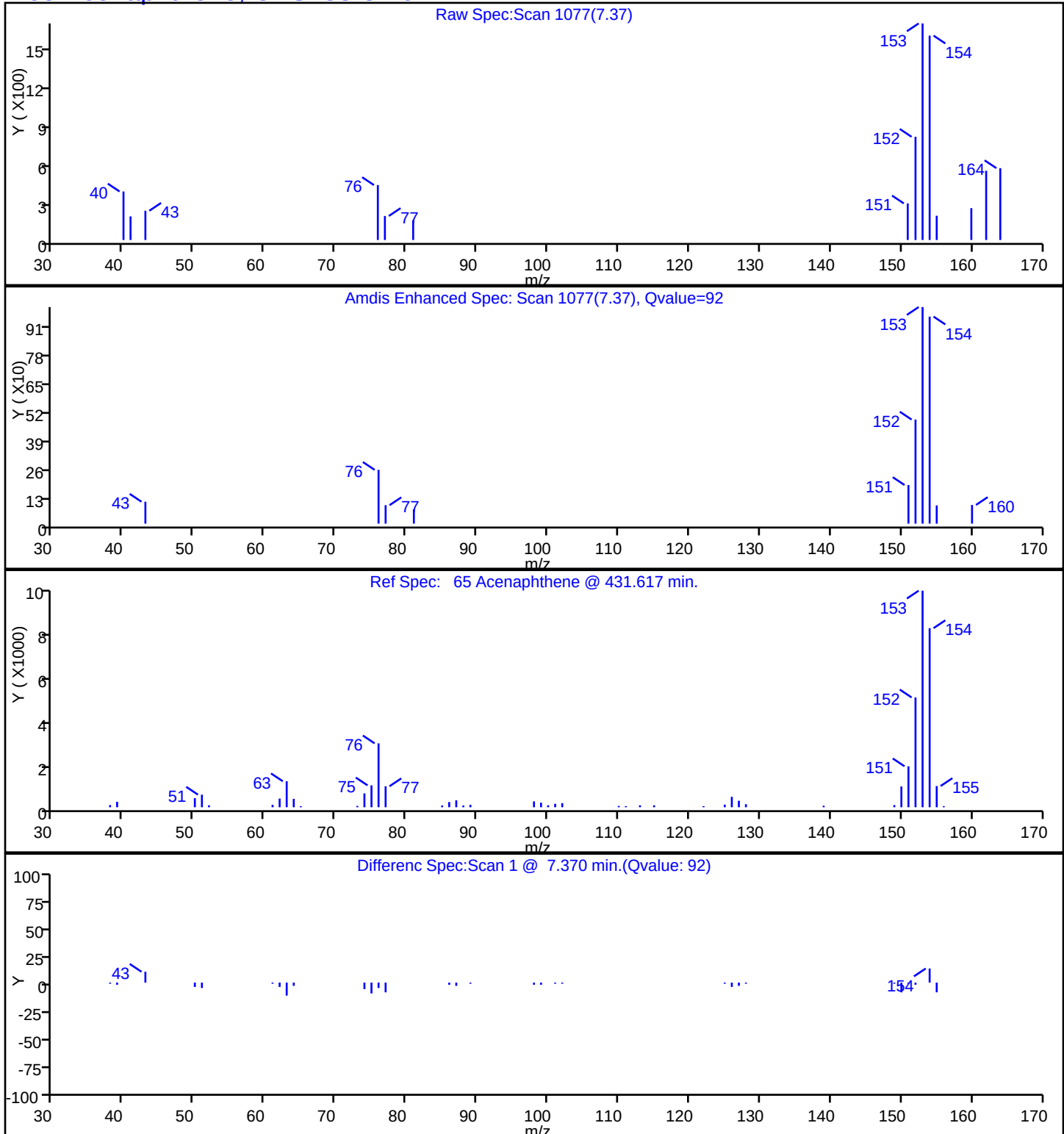
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

65 Acenaphthene, CAS: 83-32-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125810.D

Injection Date: 16-Sep-2015 13:13:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-13-C

Lab Sample ID: 460-100972-13

Client ID: WC-13

Operator ID: BNA 12

ALS Bottle#: 20 Worklist Smp#: 20

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

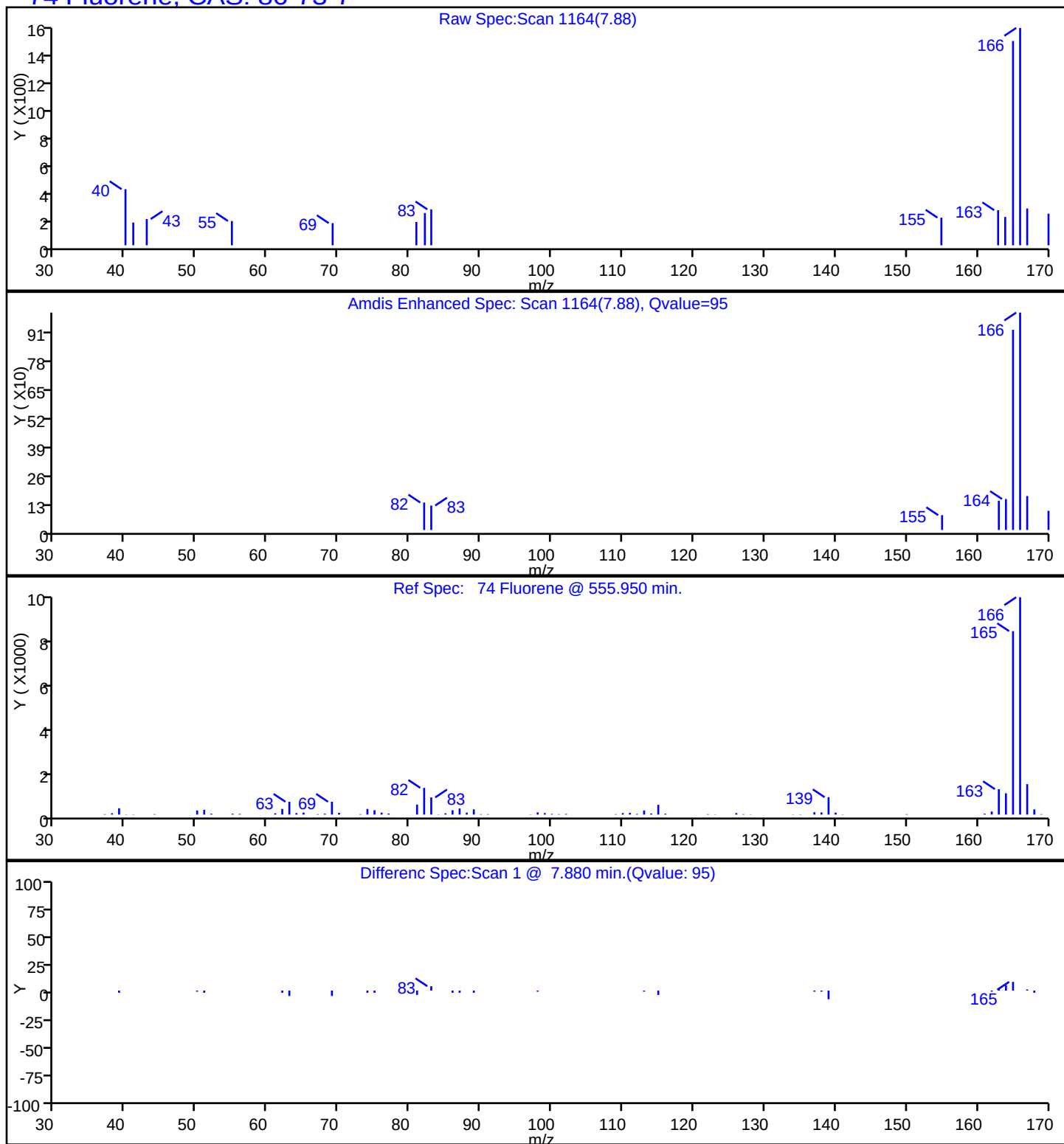
Method: 8270_12R_9

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\CBNAMS12\20150916-31812.b\L125810.D

Injection Date: 16-Sep-2015 13:13:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-13-C

Lab Sample ID: 460-100972-13

Client ID: WC-13

Operator ID: BNA 12

ALS Bottle#: 20

Worklist Smp#: 20

Injection Vol: 1.0 ul

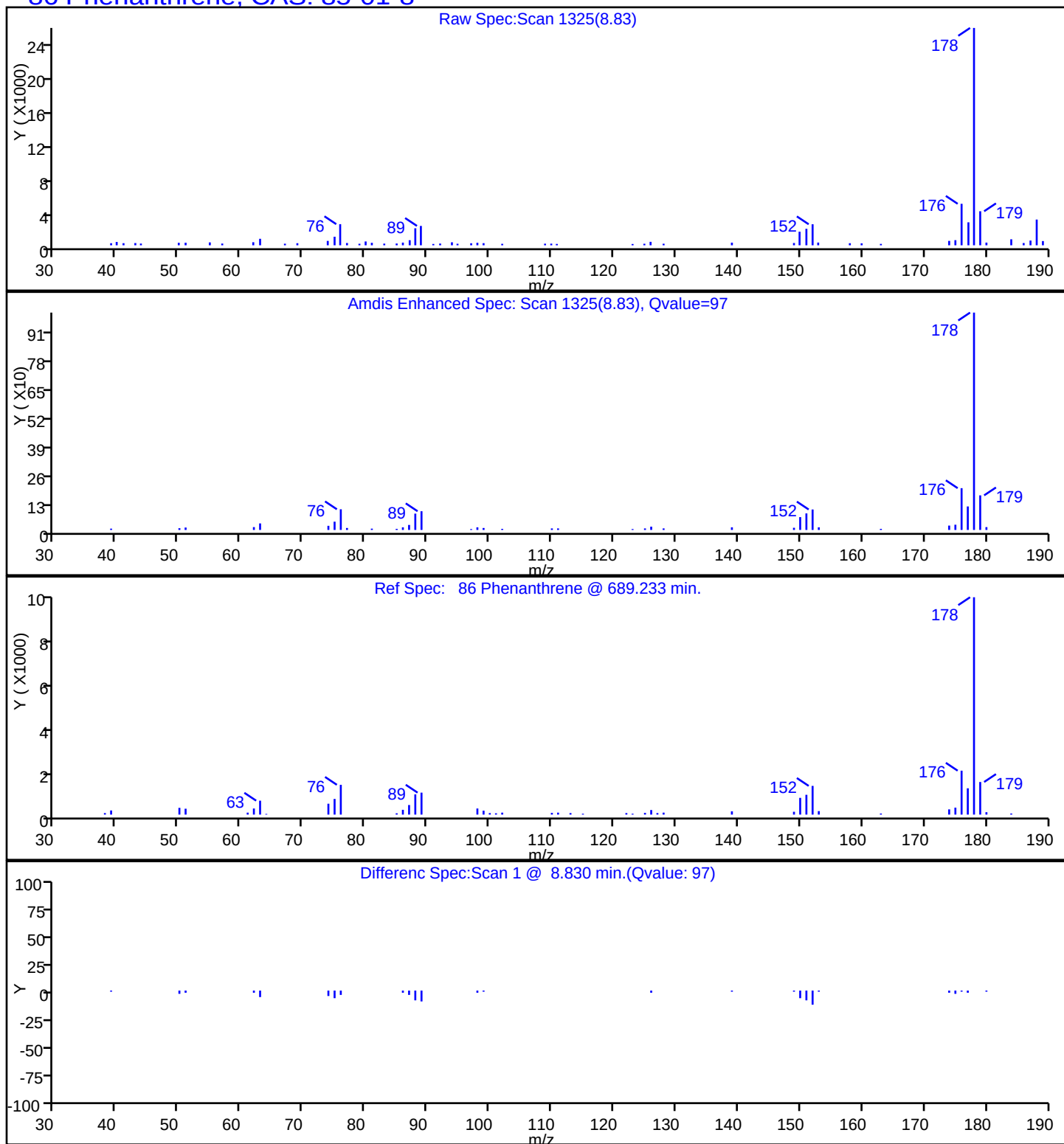
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

86 Phenanthrene, CAS: 85-01-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125810.D

Injection Date: 16-Sep-2015 13:13:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-13-C

Lab Sample ID: 460-100972-13

Client ID: WC-13

Operator ID: BNA 12

ALS Bottle#: 20

Worklist Smp#: 20

Injection Vol: 1.0 ul

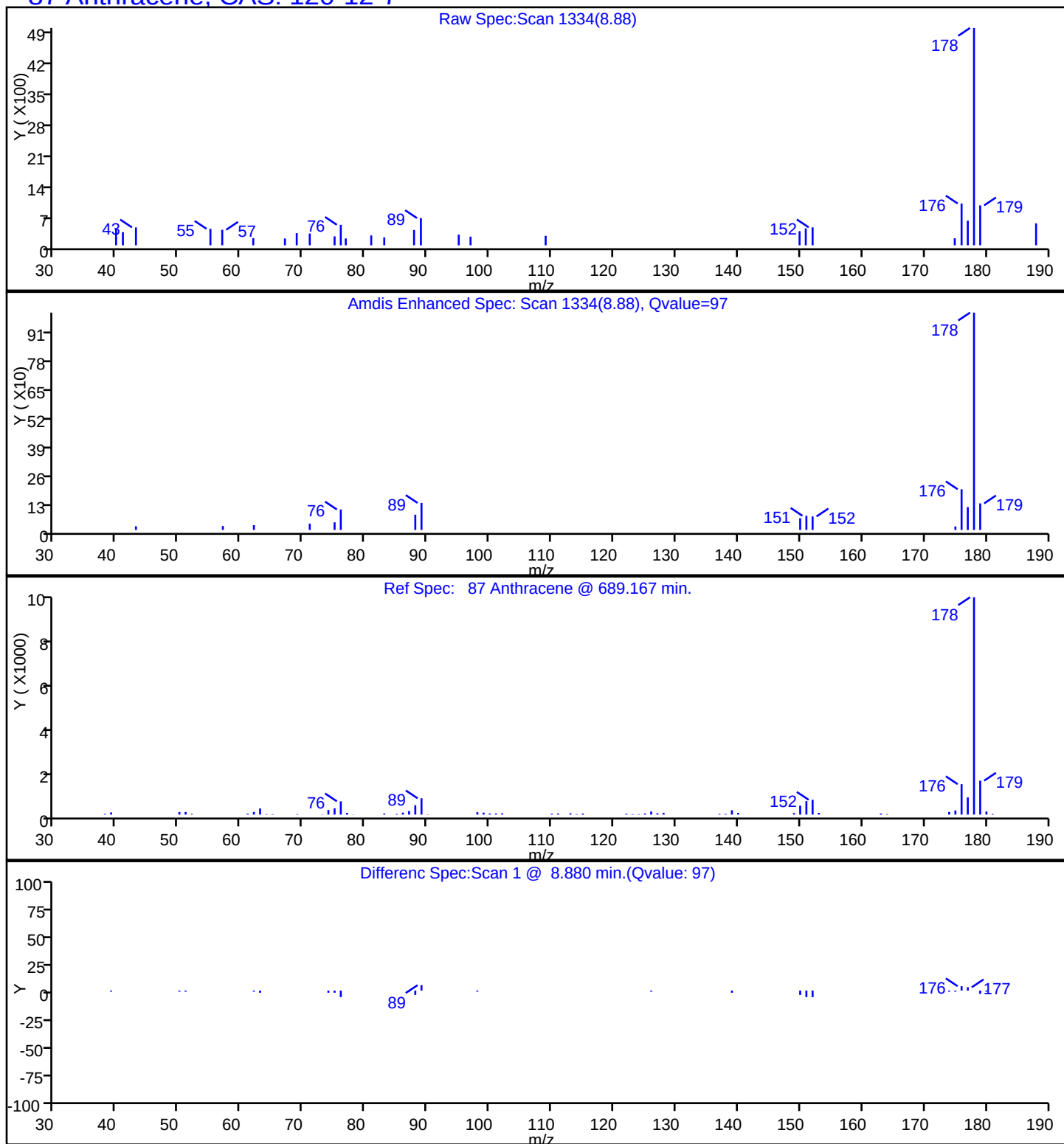
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

87 Anthracene, CAS: 120-12-7

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20150916-31812.b\\L125810.D

Injection Date: 16-Sep-2015 13:13:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-13-C

Lab Sample ID: 460-100972-13

Client ID: WC-13

Operator ID: BNA 12

ALS Bottle#: 20 Worklist Smp#: 20

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

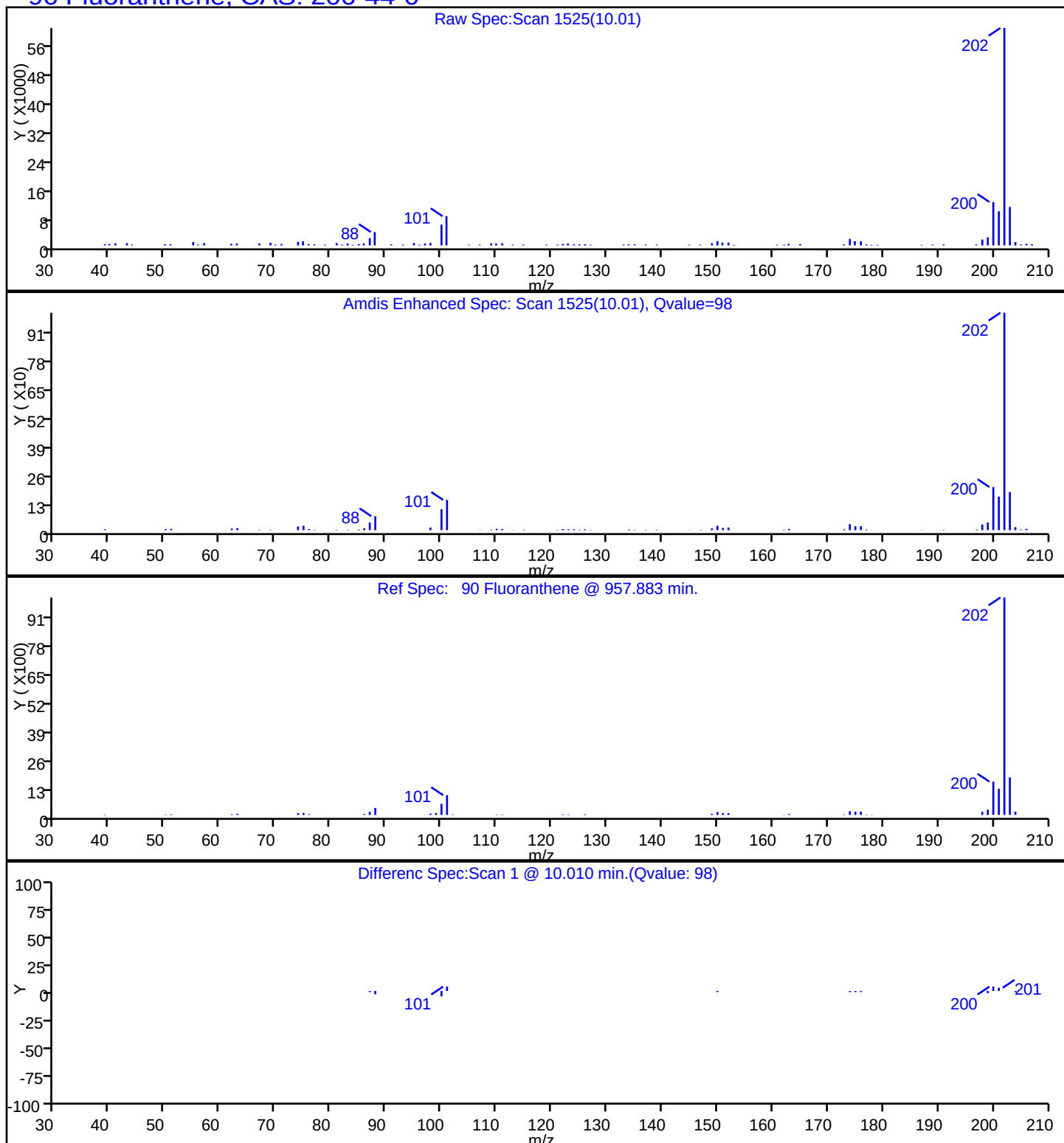
Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

90 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125810.D

Injection Date: 16-Sep-2015 13:13:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-13-C

Lab Sample ID: 460-100972-13

Client ID: WC-13

Operator ID: BNA 12

ALS Bottle#: 20

Worklist Smp#: 20

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

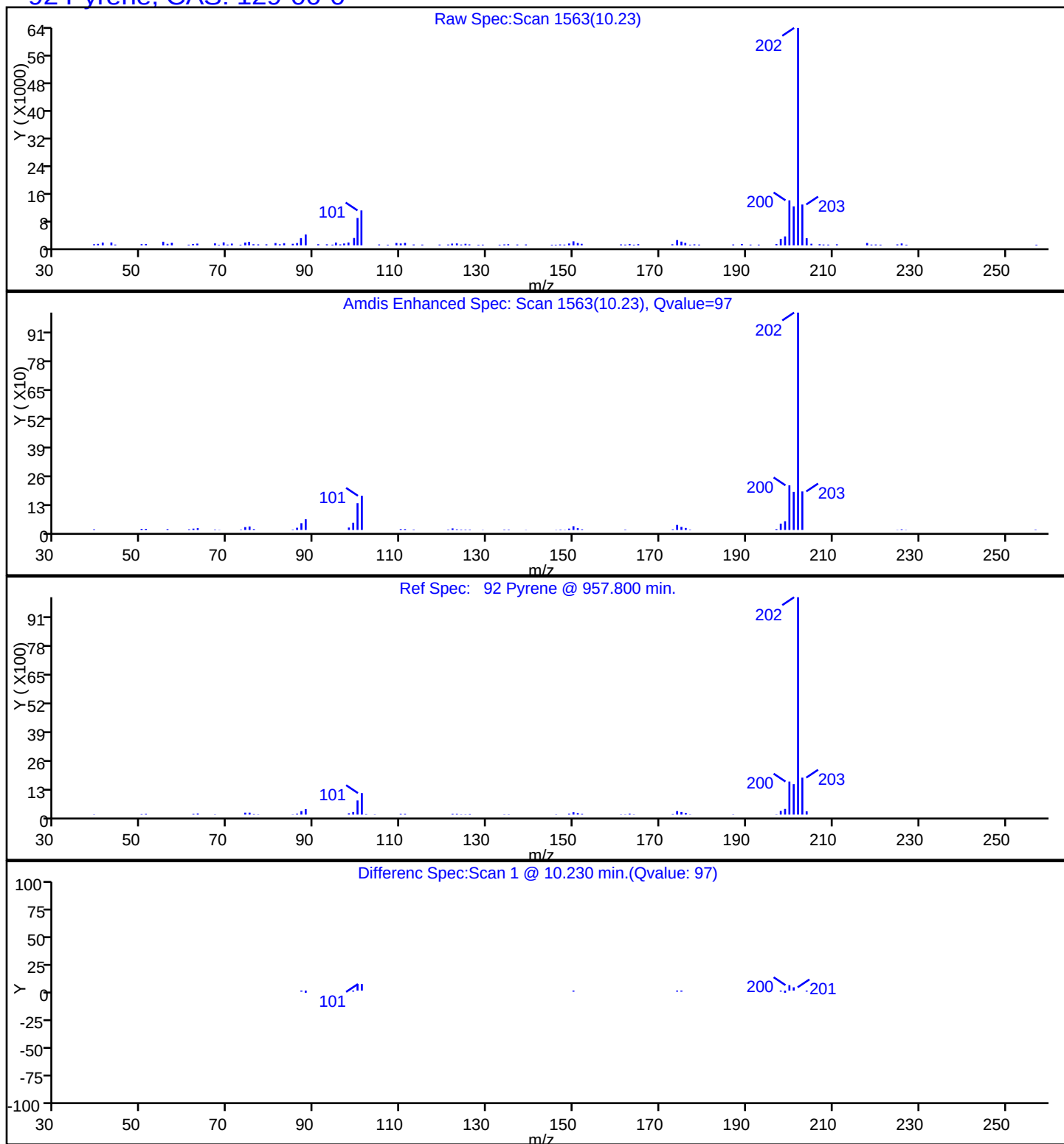
Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

92 Pyrene, CAS: 129-00-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125810.D

Injection Date: 16-Sep-2015 13:13:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-13-C

Lab Sample ID: 460-100972-13

Client ID: WC-13

Operator ID: BNA 12

ALS Bottle#: 20

Worklist Smp#: 20

Injection Vol: 1.0 ul

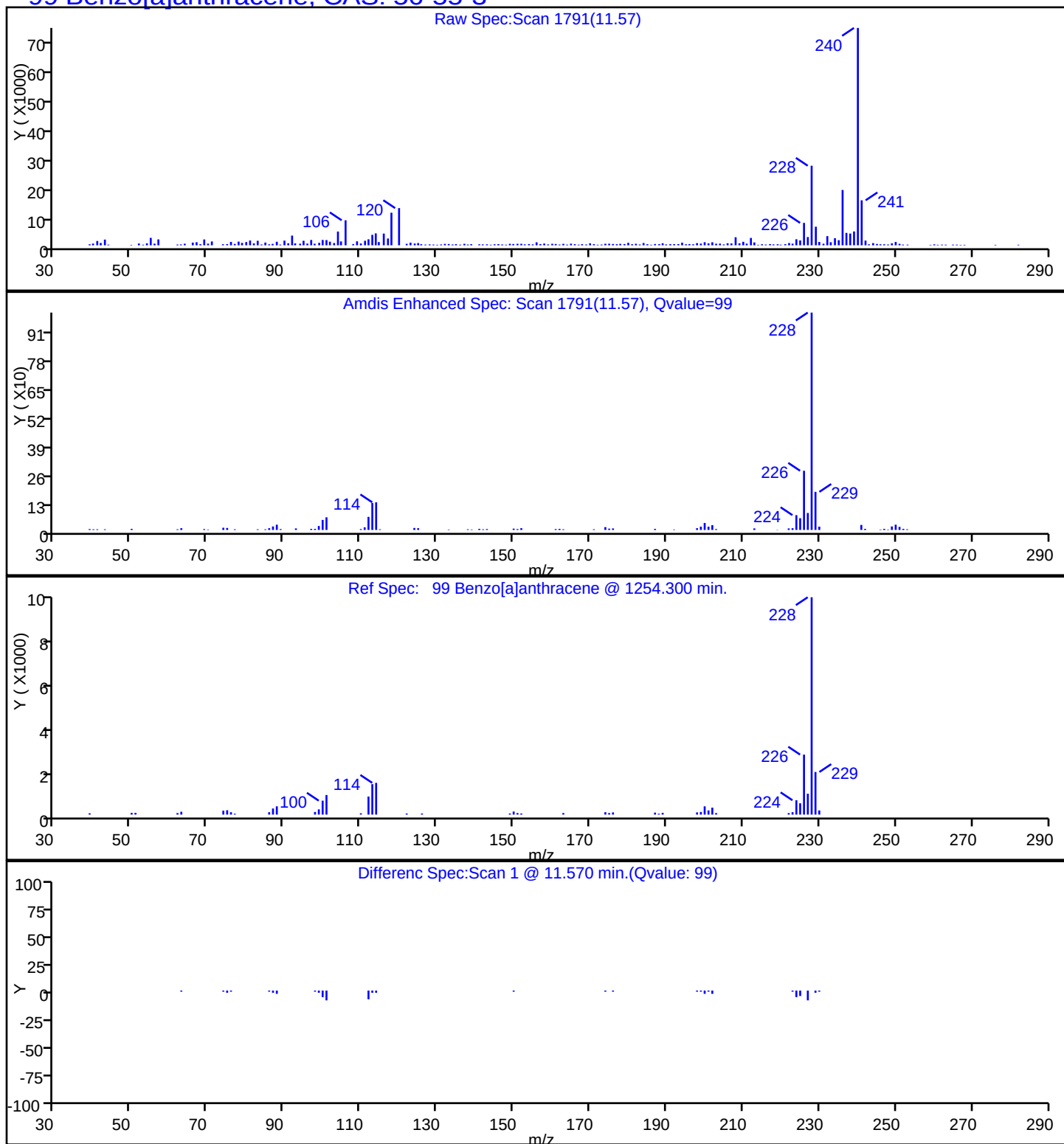
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125810.D

Injection Date: 16-Sep-2015 13:13:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-13-C

Lab Sample ID: 460-100972-13

Client ID: WC-13

Operator ID: BNA 12

ALS Bottle#: 20

Worklist Smp#: 20

Injection Vol: 1.0 ul

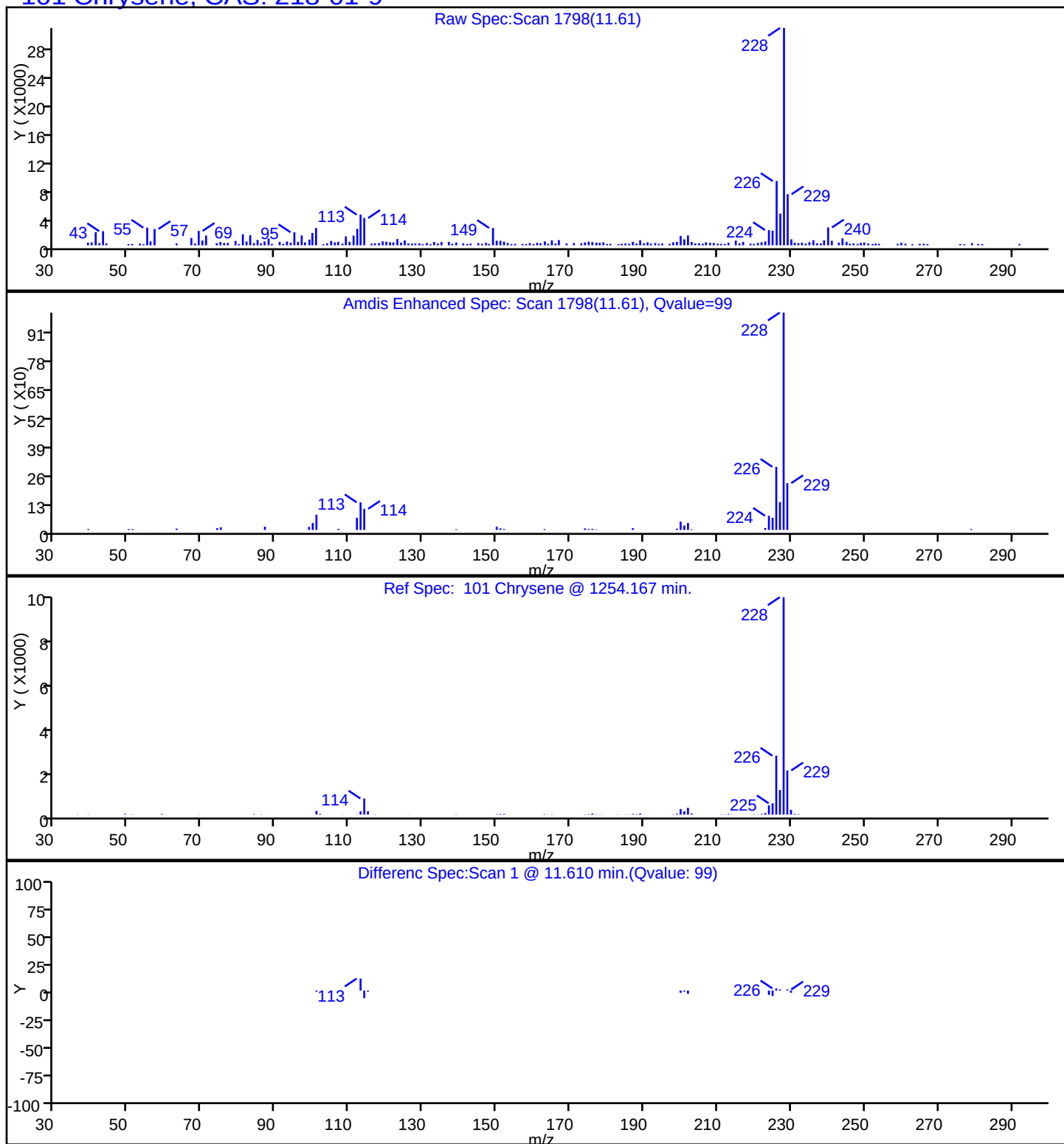
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

101 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125810.D

Injection Date: 16-Sep-2015 13:13:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-13-C

Lab Sample ID: 460-100972-13

Client ID: WC-13

Operator ID: BNA 12

ALS Bottle#: 20

Worklist Smp#: 20

Injection Vol: 1.0 ul

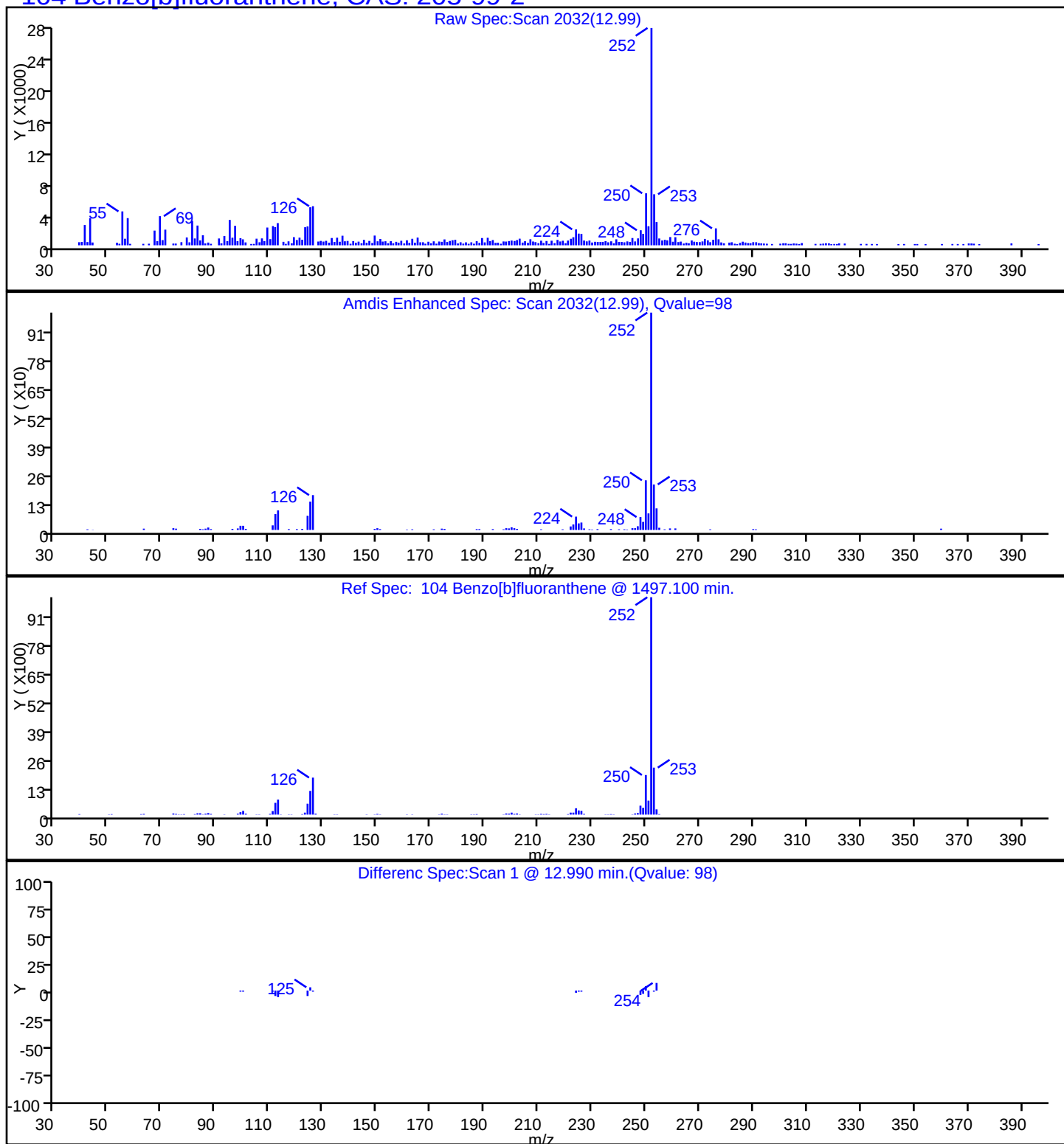
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125810.D

Injection Date: 16-Sep-2015 13:13:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-13-C

Lab Sample ID: 460-100972-13

Client ID: WC-13

Operator ID: BNA 12

ALS Bottle#: 20

Worklist Smp#: 20

Injection Vol: 1.0 ul

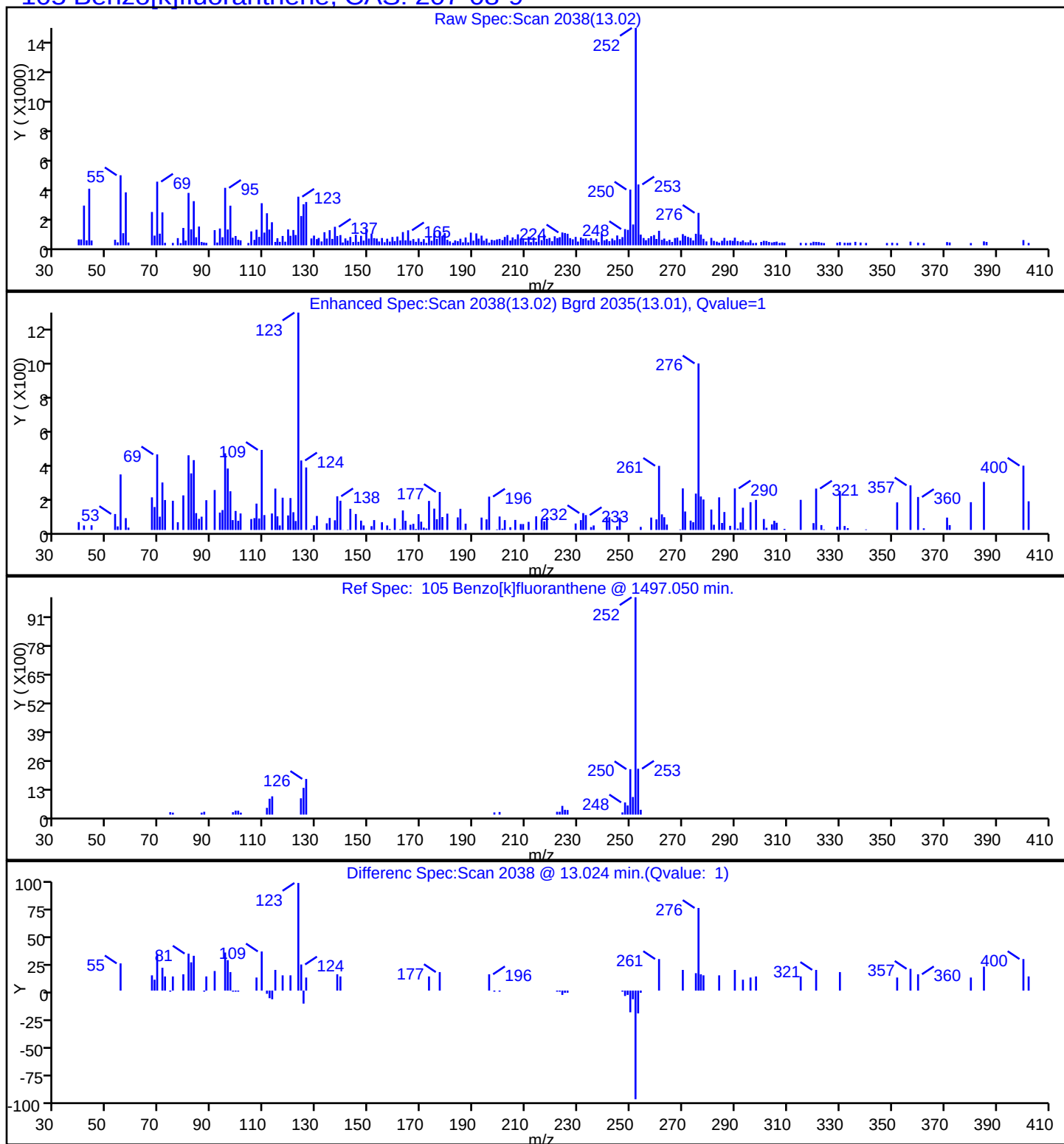
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125810.D

Injection Date: 16-Sep-2015 13:13:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-13-C

Lab Sample ID: 460-100972-13

Client ID: WC-13

Operator ID: BNA 12

ALS Bottle#: 20

Worklist Smp#: 20

Injection Vol: 1.0 ul

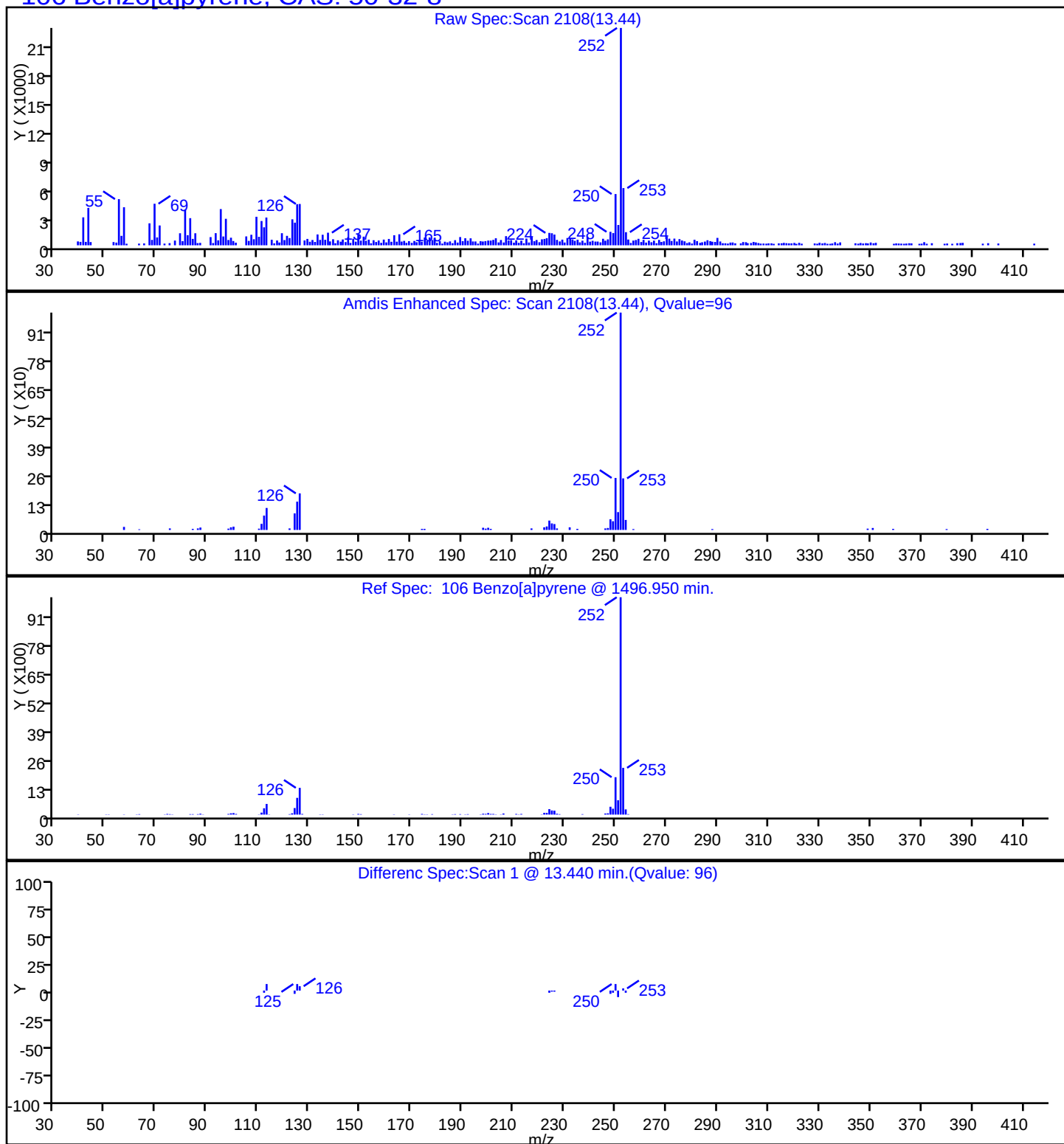
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125810.D

Injection Date: 16-Sep-2015 13:13:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-13-C

Lab Sample ID: 460-100972-13

Client ID: WC-13

Operator ID: BNA 12

ALS Bottle#: 20

Worklist Smp#: 20

Injection Vol: 1.0 ul

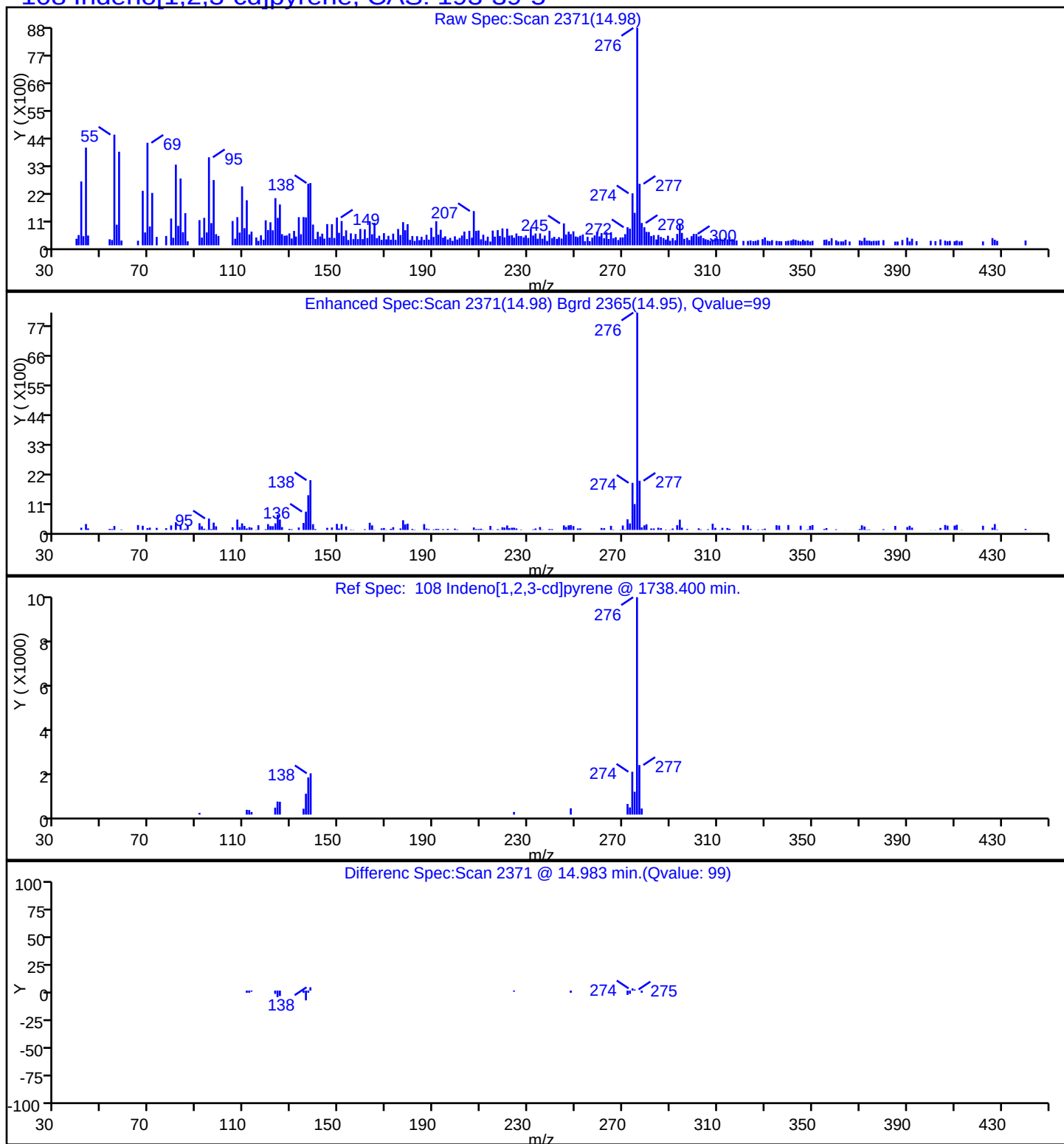
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20150916-31812.b\\L125810.D

Injection Date: 16-Sep-2015 13:13:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-13-C

Lab Sample ID: 460-100972-13

Client ID: WC-13

Operator ID: BNA 12

ALS Bottle#: 20

Worklist Smp#: 20

Injection Vol: 1.0 ul

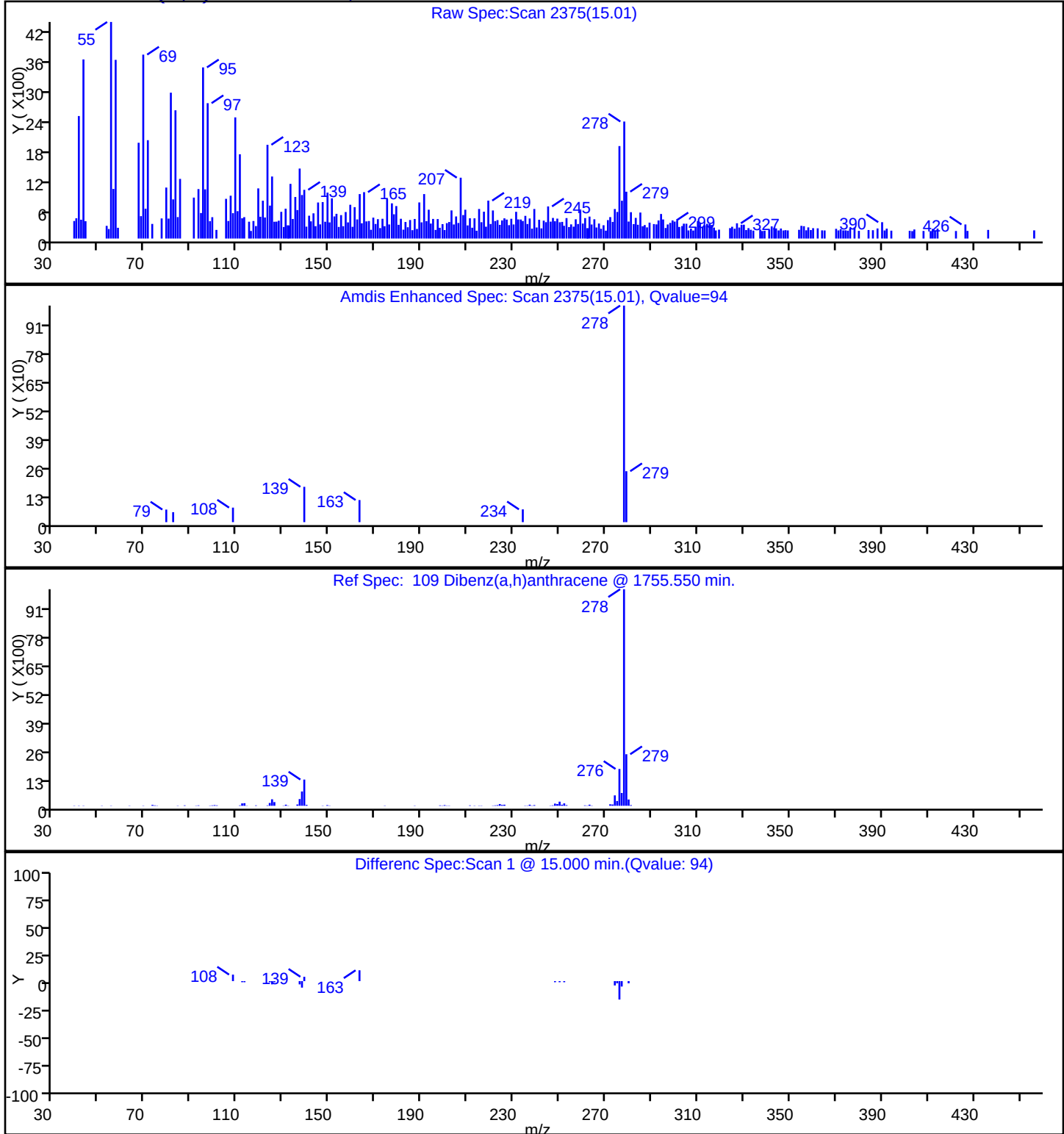
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125810.D

Injection Date: 16-Sep-2015 13:13:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-13-C

Lab Sample ID: 460-100972-13

Client ID: WC-13

Operator ID: BNA 12

ALS Bottle#: 20

Worklist Smp#: 20

Injection Vol: 1.0 ul

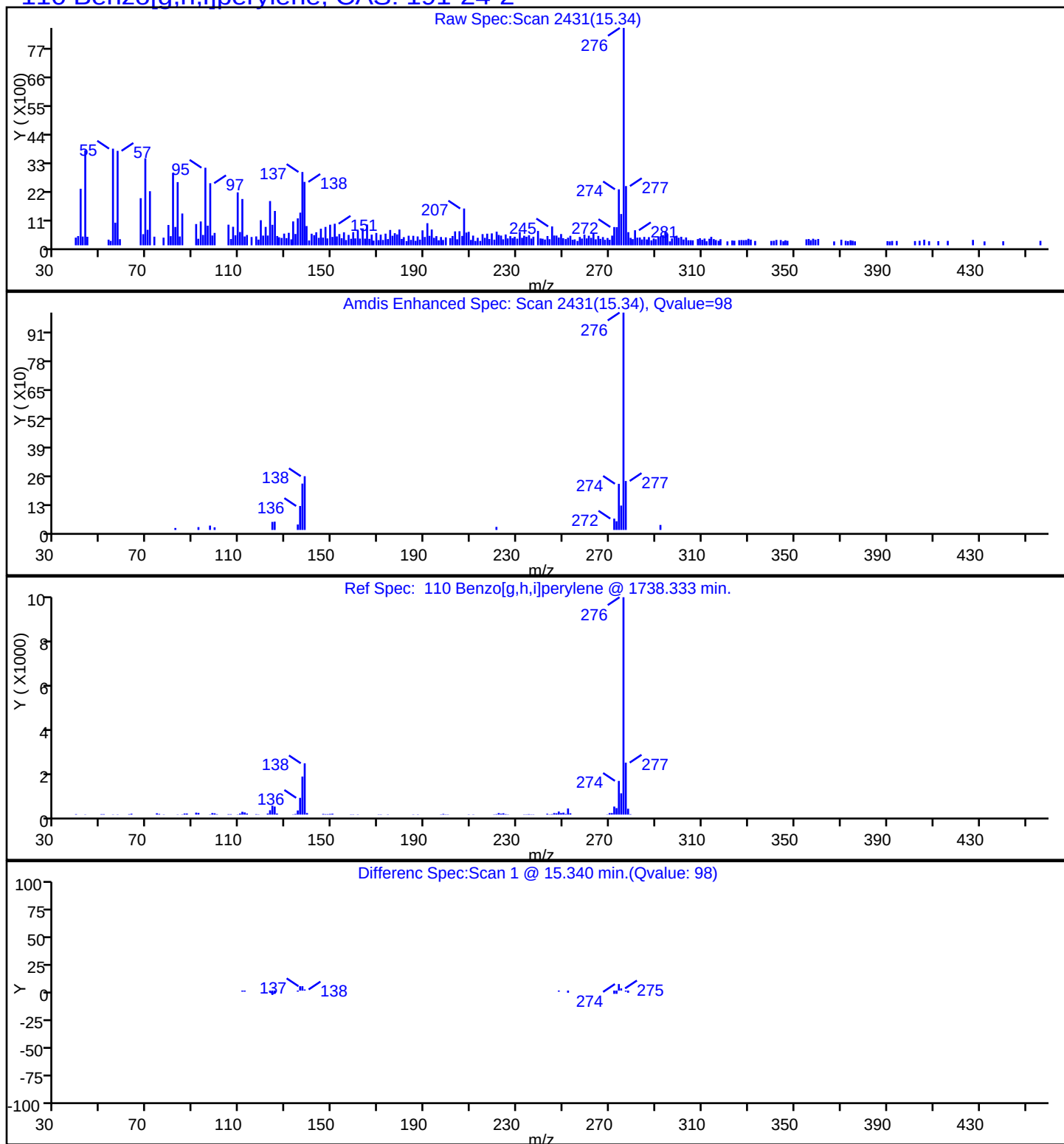
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

110 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>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-14</u>	Lab Sample ID: <u>460-100972-14</u>
Matrix: <u>Solid</u>	Lab File ID: <u>L125811.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>09/11/2015 10:37</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>09/15/2015 09:39</u>
Sample wt/vol: <u>15.0251(g)</u>	Date Analyzed: <u>09/16/2015 13:38</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>16.9</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322632</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	0.017	J	0.40	0.010
91-57-6	2-Methylnaphthalene	0.0093	J	0.40	0.0088
208-96-8	Acenaphthylene	0.014	J	0.40	0.010
83-32-9	Acenaphthene	0.061	J *	0.40	0.0096
86-73-7	Fluorene	0.046	J	0.40	0.0087
85-01-8	Phenanthrene	0.75		0.40	0.011
120-12-7	Anthracene	0.17	J	0.40	0.038
206-44-0	Fluoranthene	1.6		0.40	0.012
129-00-0	Pyrene	1.1		0.40	0.018
56-55-3	Benzo[a]anthracene	0.75		0.040	0.033
218-01-9	Chrysene	0.88		0.40	0.011
205-99-2	Benzo[b]fluoranthene	0.96		0.040	0.016
207-08-9	Benzo[k]fluoranthene	0.33		0.040	0.017
50-32-8	Benzo[a]pyrene	0.66		0.040	0.012
193-39-5	Indeno[1,2,3-cd]pyrene	0.26		0.040	0.026
53-70-3	Dibenz(a,h)anthracene	0.089		0.040	0.021
191-24-2	Benzo[g,h,i]perylene	0.21	J	0.40	0.023

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	57		30-130
1718-51-0	Terphenyl-d14	52		30-130
321-60-8	2-Fluorobiphenyl	63		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125811.D
 Lims ID: 460-100972-A-14-C Lab Sample ID: 460-100972-14
 Client ID: WC-14
 Sample Type: Client
 Inject. Date: 16-Sep-2015 13:38:30 ALS Bottle#: 21 Worklist Smp#: 21
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031812-021
 Operator ID: BNA 12 Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 16-Sep-2015 14:08:30 Calib Date: 27-Aug-2015 09:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20150827-31172.b\L125037.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK049

First Level Reviewer: bayoumiw

Date: 16-Sep-2015 14:08:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
* 13 1,4-Dichlorobenzene-d4	152	4.301	4.296	0.005	94	142818	40.0	
\$ 26 Nitrobenzene-d5	82	4.854	4.866	-0.012	85	117461	28.6	
* 36 Naphthalene-d8	136	5.584	5.584	0.000	99	475312	40.0	
37 Naphthalene	128	5.607	5.613	-0.006	97	2503	0.2087	
42 2-Methylnaphthalene	142	6.301	6.307	-0.006	82	898	0.1162	
\$ 50 2-Fluorobiphenyl	172	6.672	6.678	-0.006	98	244242	31.4	
61 Acenaphthylene	152	7.201	7.207	-0.006	97	1798	0.1779	
* 63 Acenaphthene-d10	164	7.342	7.342	0.000	92	233080	40.0	
65 Acenaphthene	154	7.372	7.383	-0.011	95	4842	0.7558	
74 Fluorene	166	7.884	7.889	-0.005	97	4072	0.5769	
* 85 Phenanthrene-d10	188	8.813	8.813	0.000	98	335457	40.0	
86 Phenanthrene	178	8.836	8.842	-0.006	97	84995	9.30	
87 Anthracene	178	8.884	8.889	-0.005	99	19728	2.16	
90 Fluoranthene	202	10.007	10.013	-0.006	98	161863	19.7	
92 Pyrene	202	10.230	10.236	-0.006	97	164781	13.5	
\$ 94 Terphenyl-d14	244	10.389	10.389	0.000	99	219510	26.1	
99 Benzo[a]anthracene	228	11.572	11.577	-0.005	99	91850	9.37	
* 100 Chrysene-d12	240	11.589	11.583	0.006	99	354514	40.0	
101 Chrysene	228	11.619	11.624	-0.005	99	97677	11.0	
104 Benzo[b]fluoranthene	252	12.995	13.001	-0.006	98	127666	12.0	
105 Benzo[k]fluoranthene	252	13.024	13.042	-0.018	99	46258	4.11	
106 Benzo[a]pyrene	252	13.442	13.448	-0.006	97	84007	8.22	
* 107 Perylene-d12	264	13.524	13.519	0.005	99	418484	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.983	15.001	-0.018	99	38680	3.21	
109 Dibenzo(a,h)anthracene	278	15.001	15.024	-0.023	94	10985	1.12	
110 Benzo[g,h,i]perylene	276	15.336	15.359	-0.023	97	34761	2.63	

Reagents:

SM_ISTD_00092 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20150916-31812.b\\L125811.D

Injection Date: 16-Sep-2015 13:38:30

Instrument ID: CBNAMS12

Operator ID: BNA 12

Lims ID: 460-100972-A-14-C

Lab Sample ID: 460-100972-14

Worklist Smp#: 21

Client ID: WC-14

Injection Vol: 1.0 ul

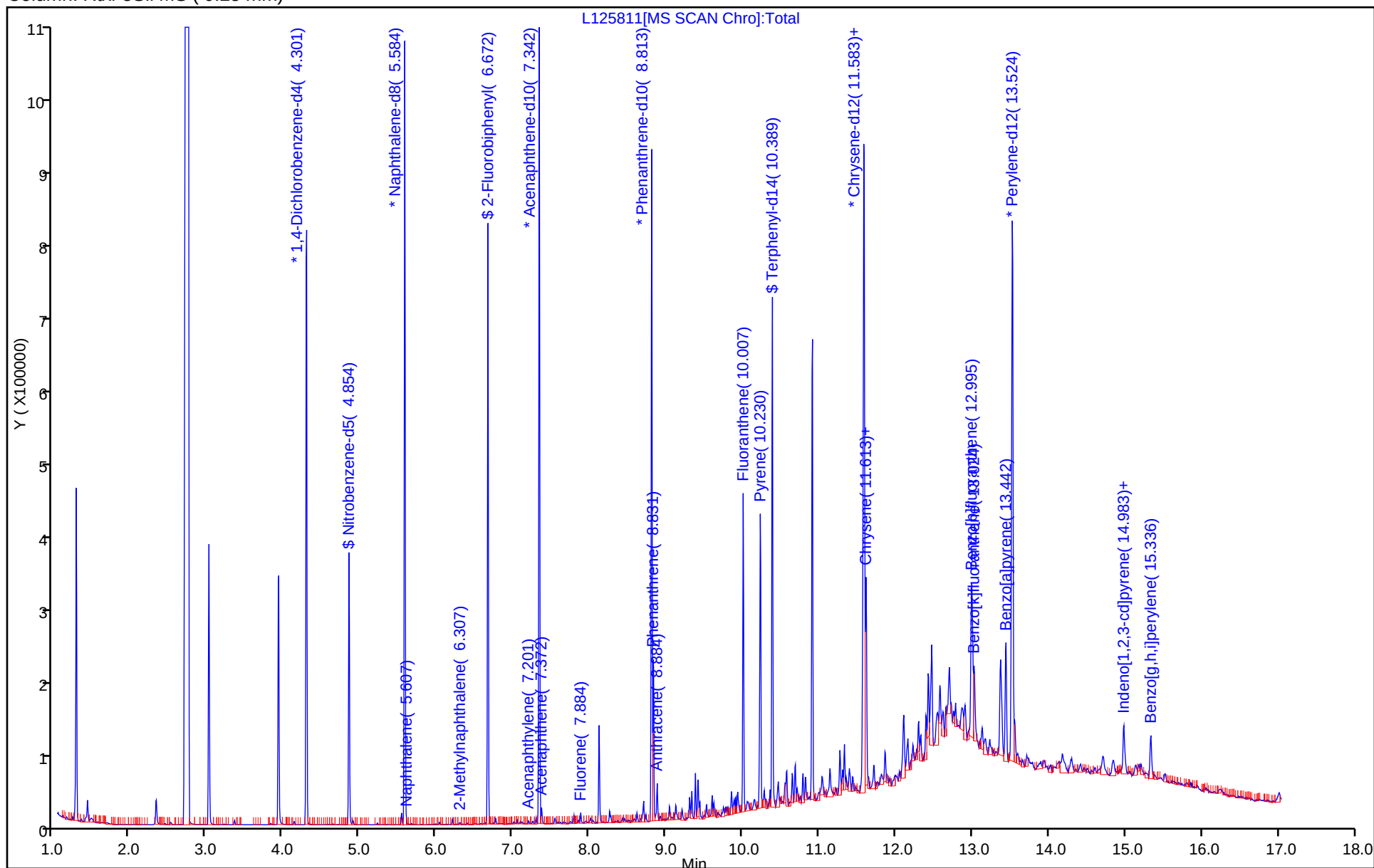
Dil. Factor: 1.0000

ALS Bottle#: 21

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125811.D

Injection Date: 16-Sep-2015 13:38:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-14-C

Lab Sample ID: 460-100972-14

Client ID: WC-14

Operator ID: BNA 12

ALS Bottle#: 21 Worklist Smp#: 21

Injection Vol: 1.0 ul

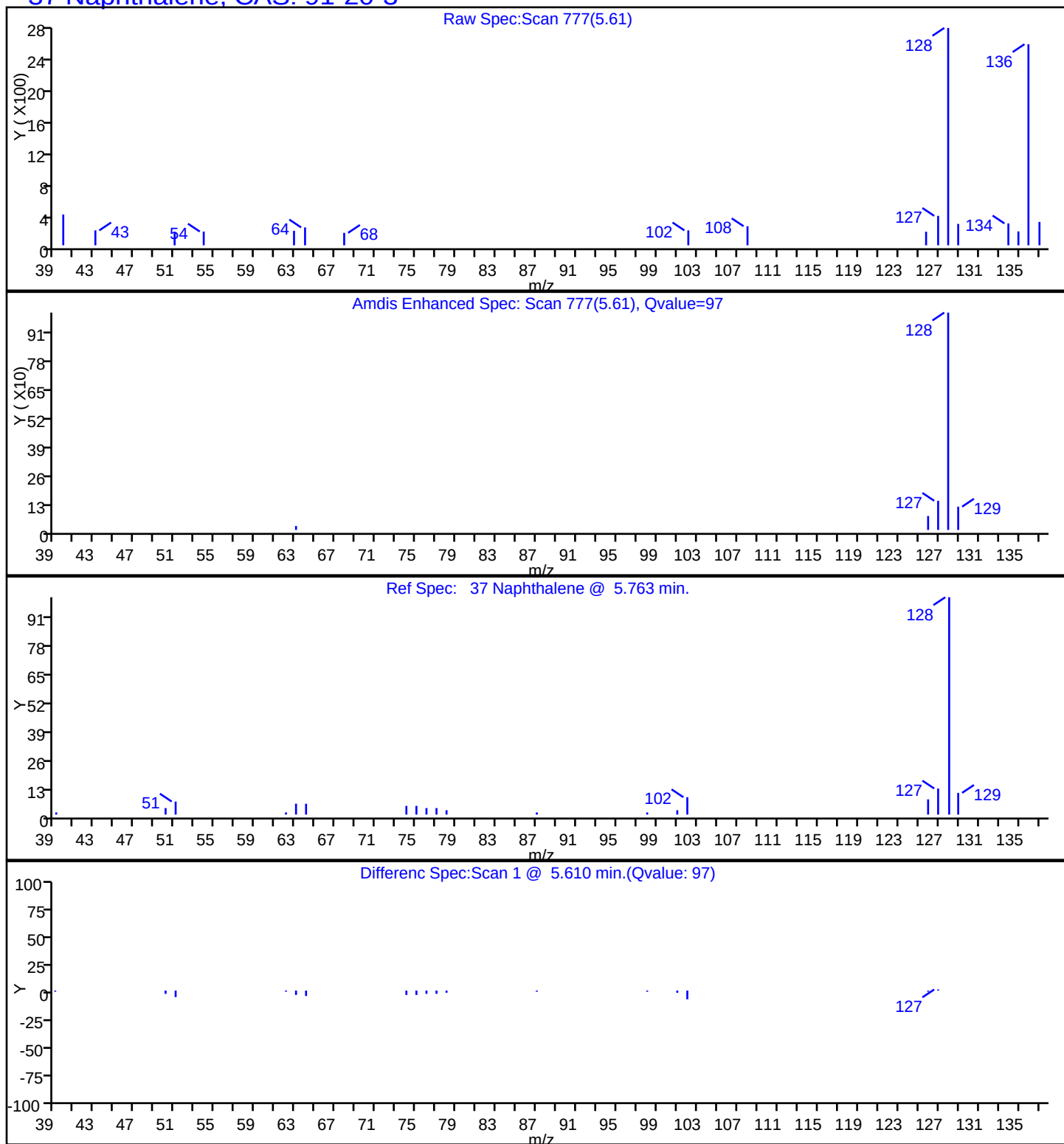
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

37 Naphthalene, CAS: 91-20-3

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125811.D

Injection Date: 16-Sep-2015 13:38:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-14-C

Lab Sample ID: 460-100972-14

Client ID: WC-14

Operator ID: BNA 12

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

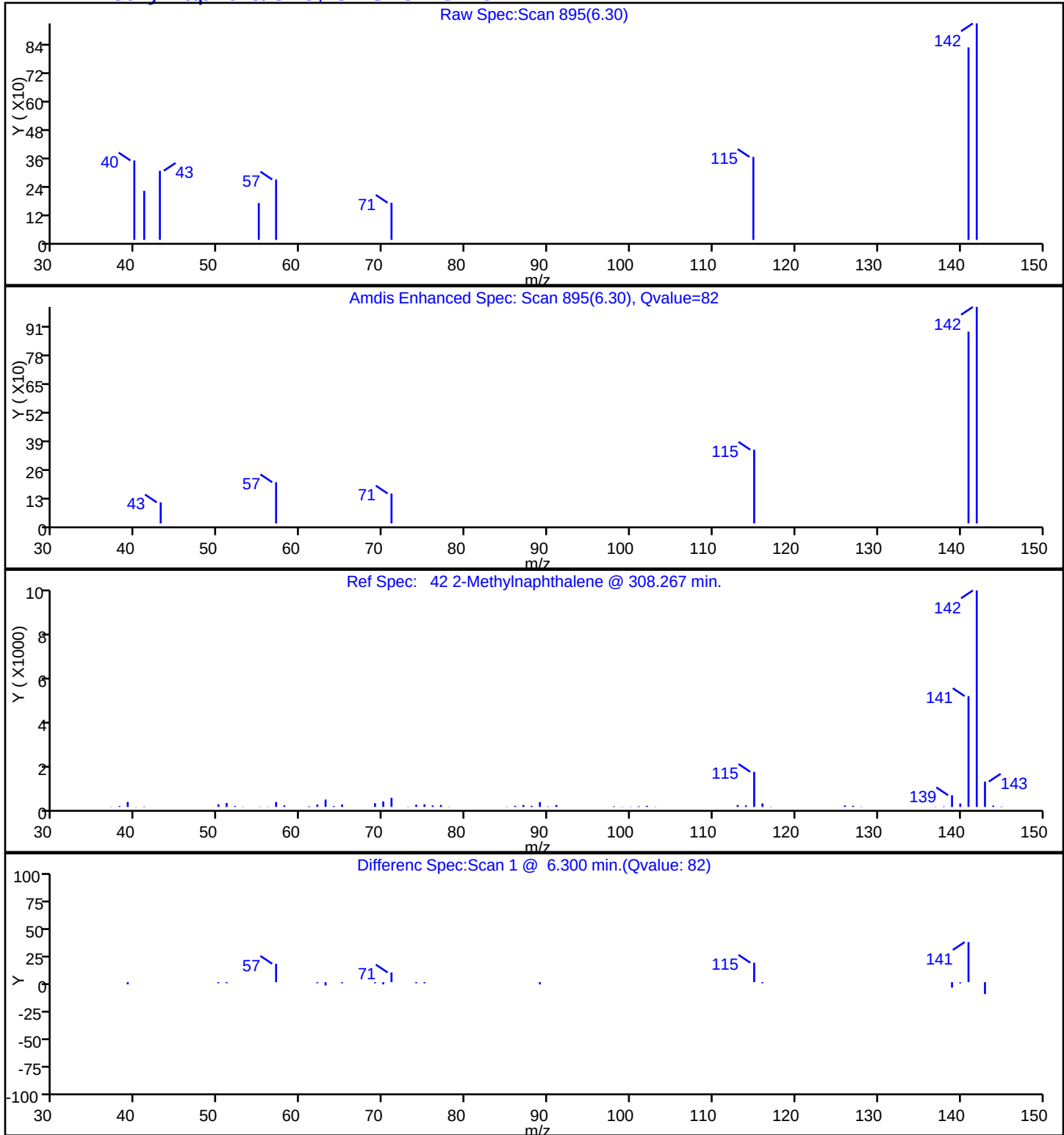
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

42 2-Methylnaphthalene, CAS: 91-57-6

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125811.D

Injection Date: 16-Sep-2015 13:38:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-14-C

Lab Sample ID: 460-100972-14

Client ID: WC-14

Operator ID: BNA 12

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

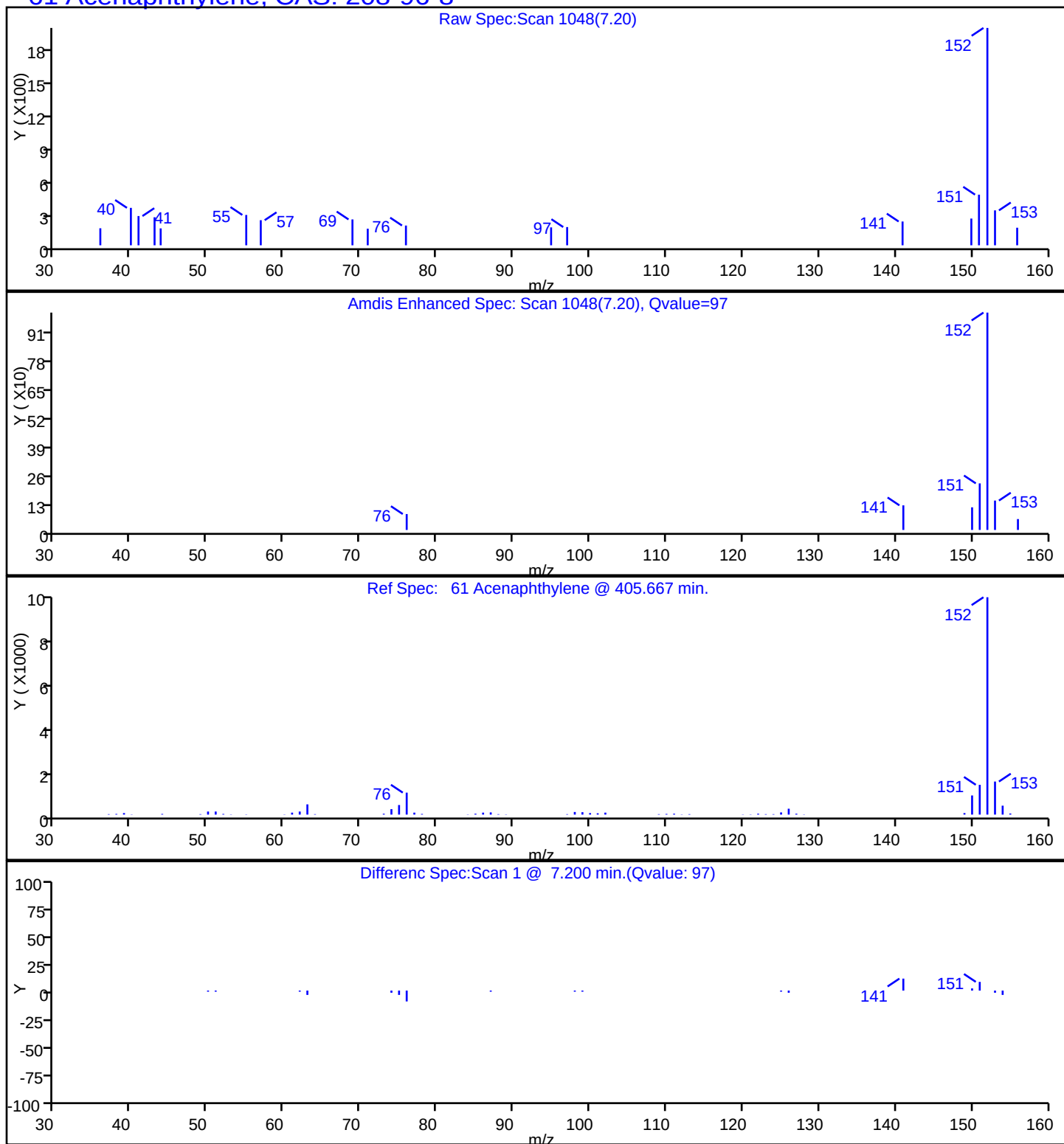
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

61 Acenaphthylene, CAS: 208-96-8

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125811.D

Injection Date: 16-Sep-2015 13:38:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-14-C

Lab Sample ID: 460-100972-14

Client ID: WC-14

Operator ID: BNA 12

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

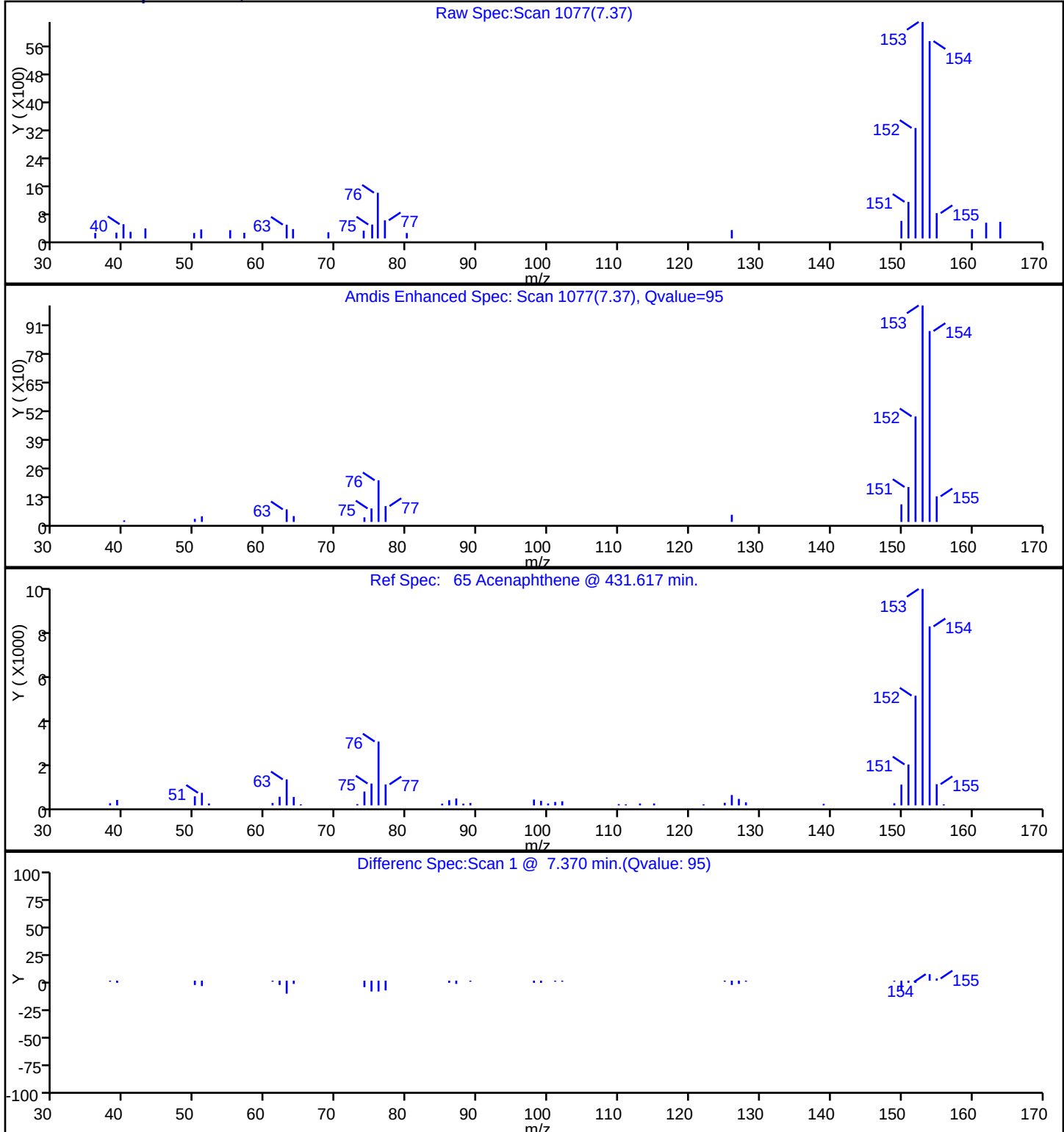
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

65 Acenaphthene, CAS: 83-32-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125811.D

Injection Date: 16-Sep-2015 13:38:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-14-C

Lab Sample ID: 460-100972-14

Client ID: WC-14

Operator ID: BNA 12

ALS Bottle#: 21 Worklist Smp#: 21

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

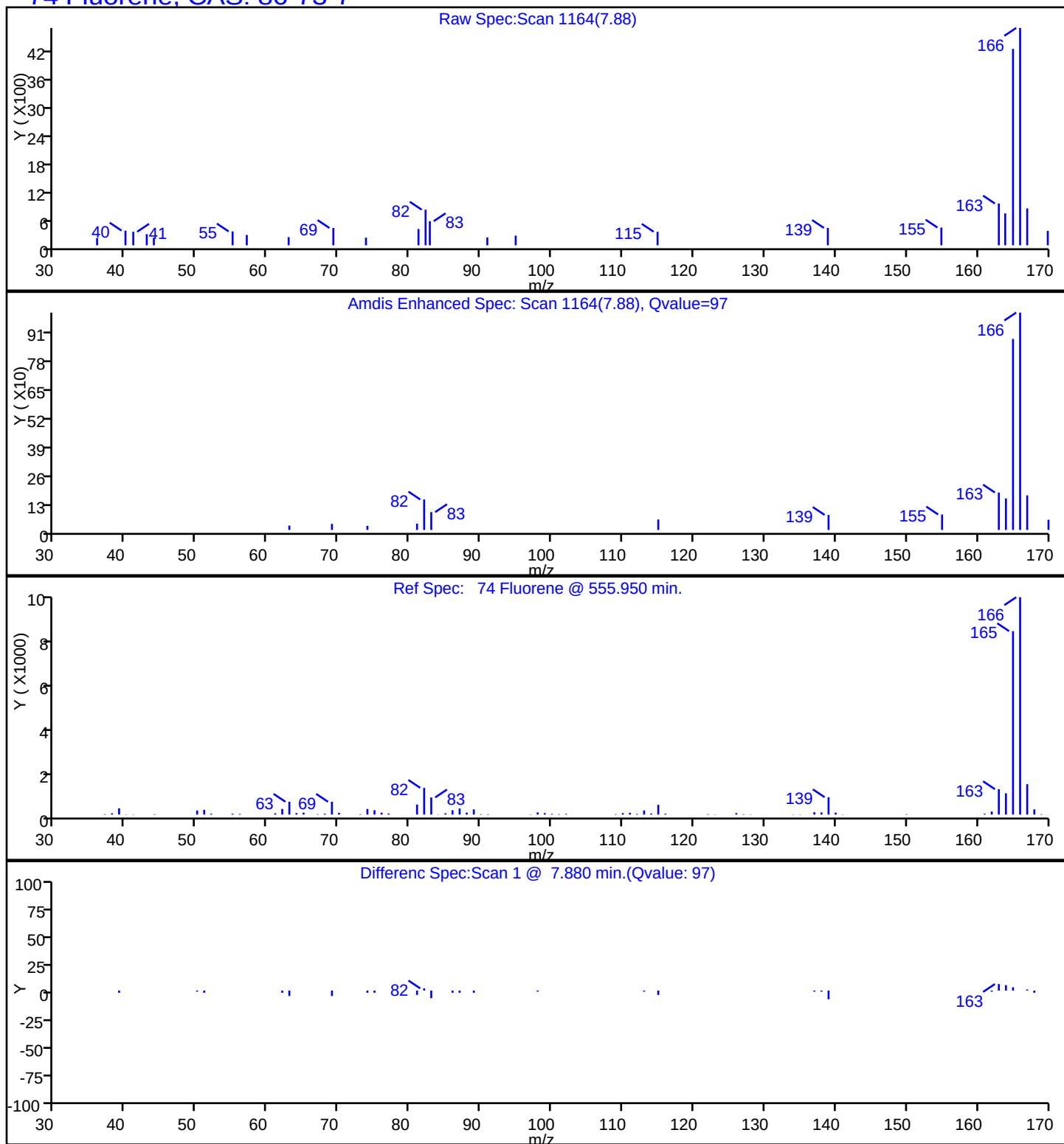
Method: 8270_12R_9

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\CBNAMS12\20150916-31812.b\L125811.D

Injection Date: 16-Sep-2015 13:38:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-14-C

Lab Sample ID: 460-100972-14

Client ID: WC-14

Operator ID: BNA 12

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

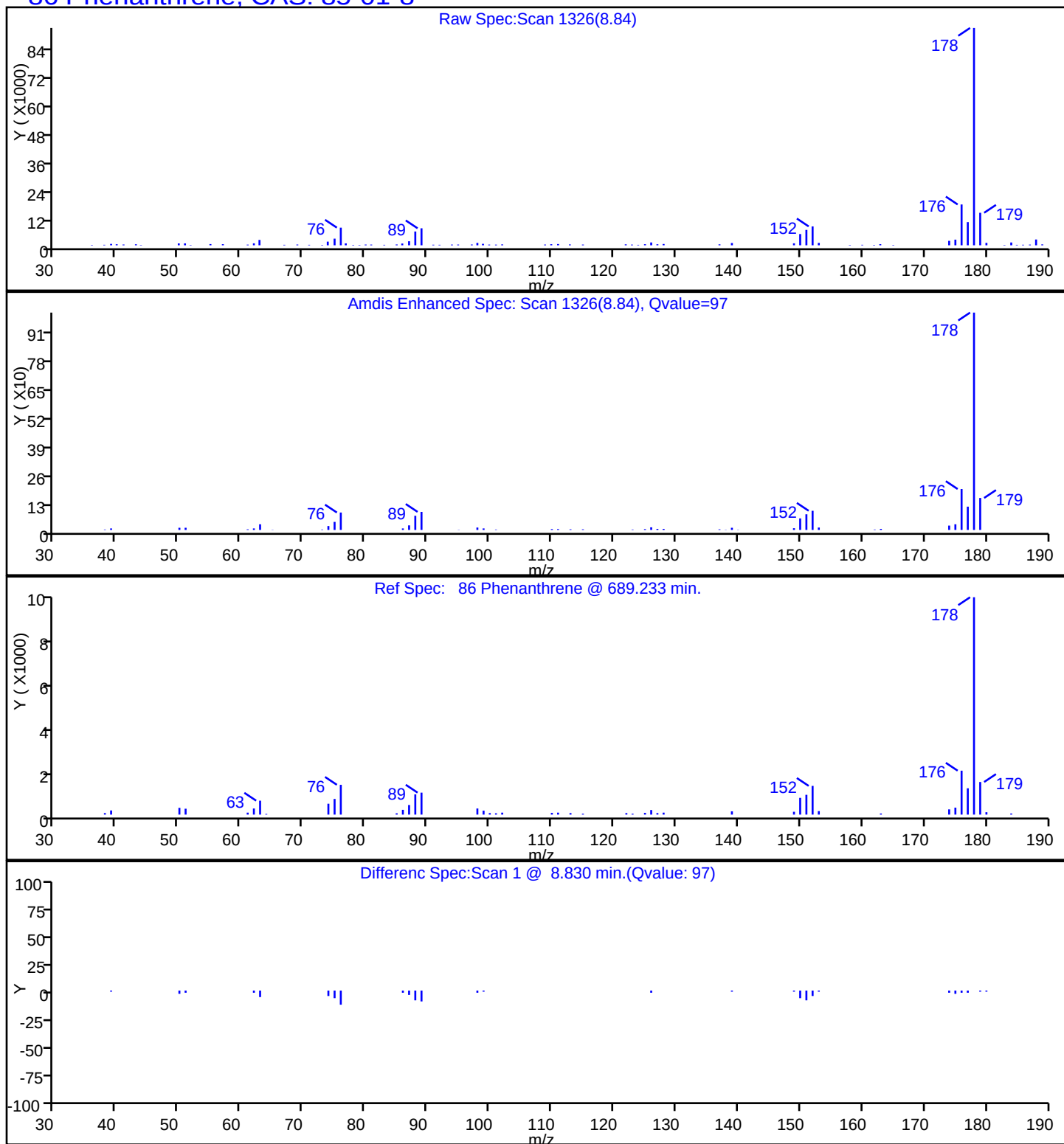
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

86 Phenanthrene, CAS: 85-01-8

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20150916-31812.b\\L125811.D

Injection Date: 16-Sep-2015 13:38:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-14-C

Lab Sample ID: 460-100972-14

Client ID: WC-14

Operator ID: BNA 12

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

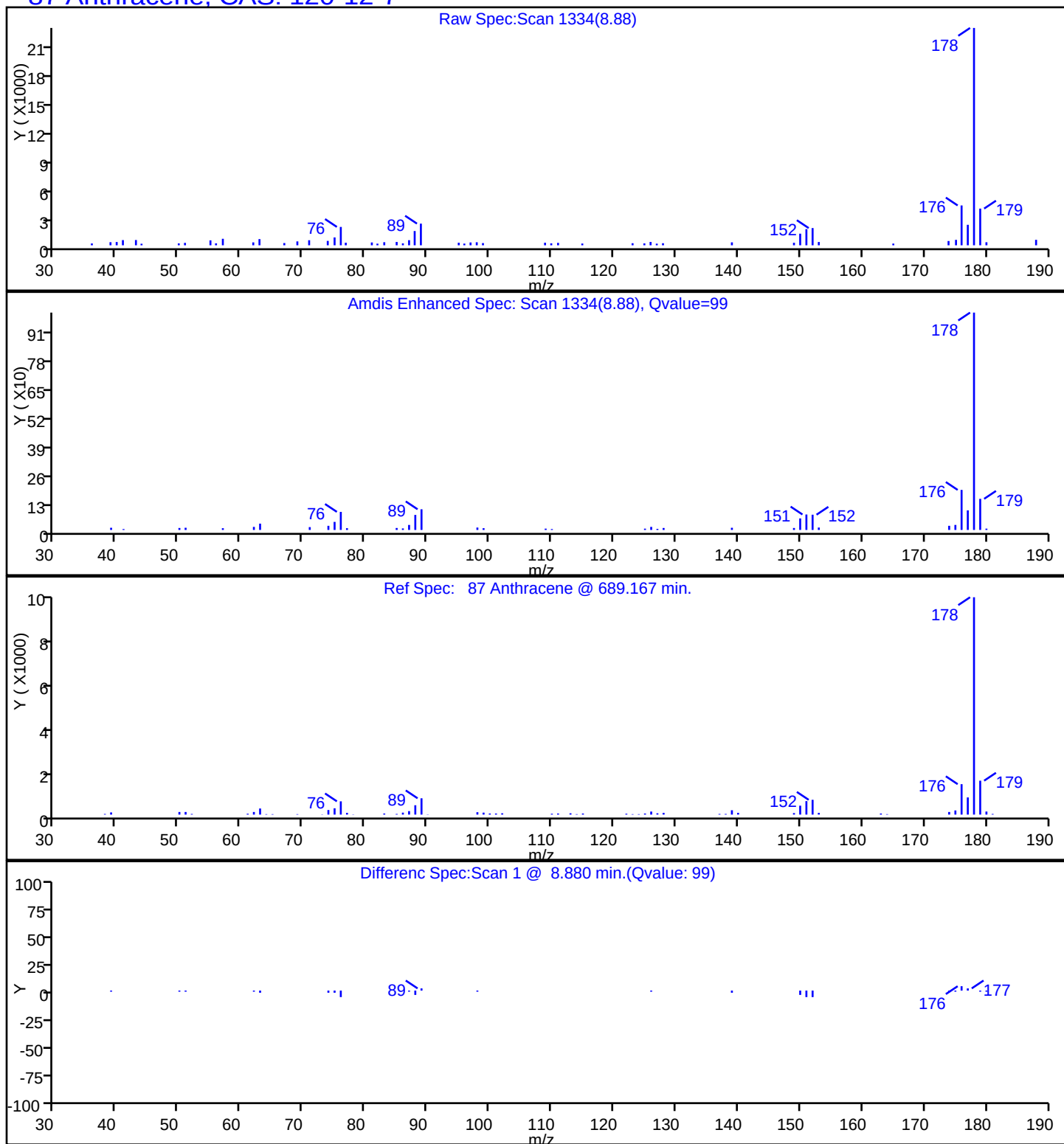
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

87 Anthracene, CAS: 120-12-7

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125811.D

Injection Date: 16-Sep-2015 13:38:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-14-C

Lab Sample ID: 460-100972-14

Client ID: WC-14

Operator ID: BNA 12

ALS Bottle#: 21 Worklist Smp#: 21

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

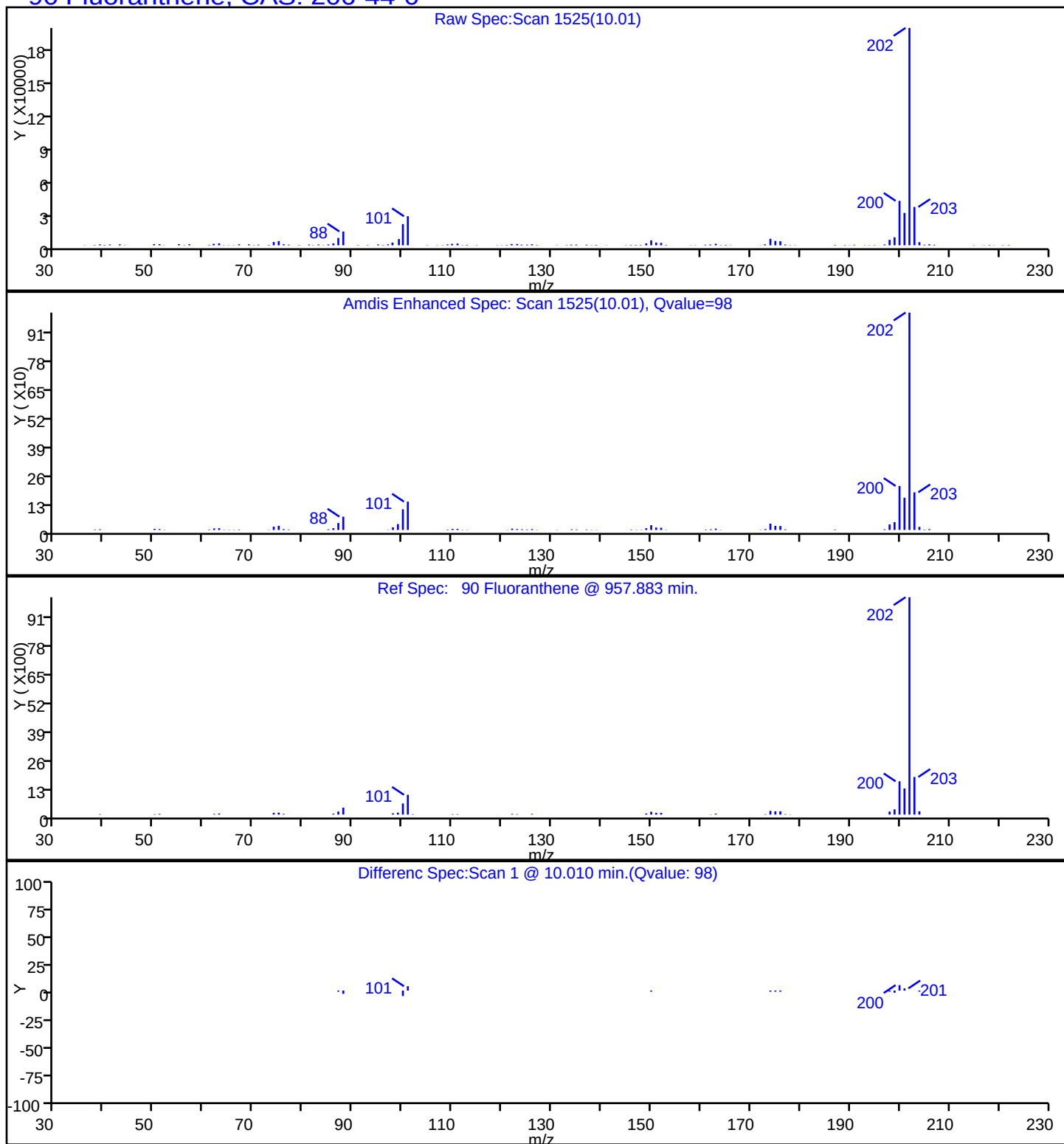
Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

90 Fluoranthene, CAS: 206-44-0



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125811.D

Injection Date: 16-Sep-2015 13:38:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-14-C

Lab Sample ID: 460-100972-14

Client ID: WC-14

Operator ID: BNA 12

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

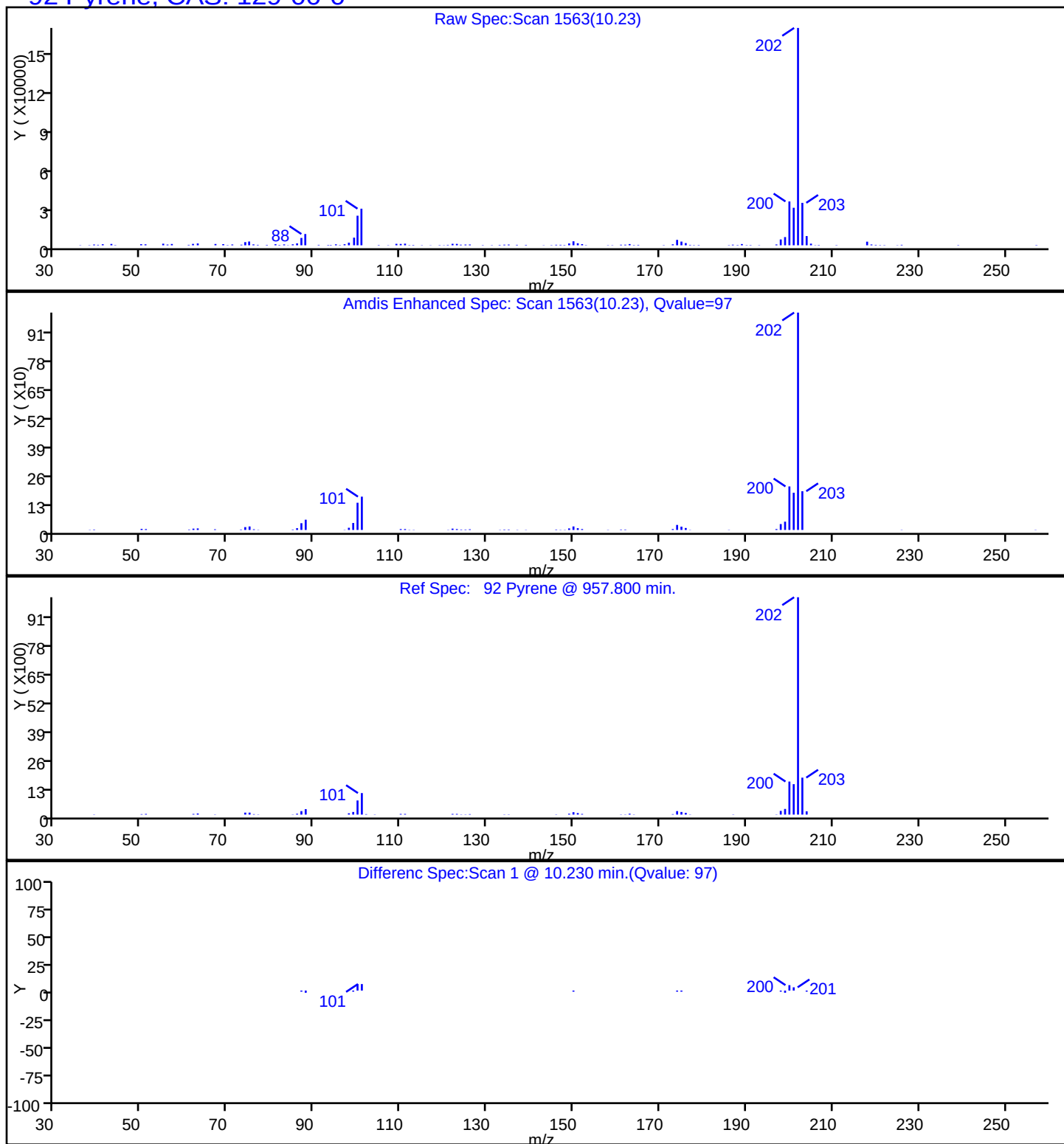
Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

92 Pyrene, CAS: 129-00-0



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20150916-31812.b\\L125811.D

Injection Date: 16-Sep-2015 13:38:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-14-C

Lab Sample ID: 460-100972-14

Client ID: WC-14

Operator ID: BNA 12

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

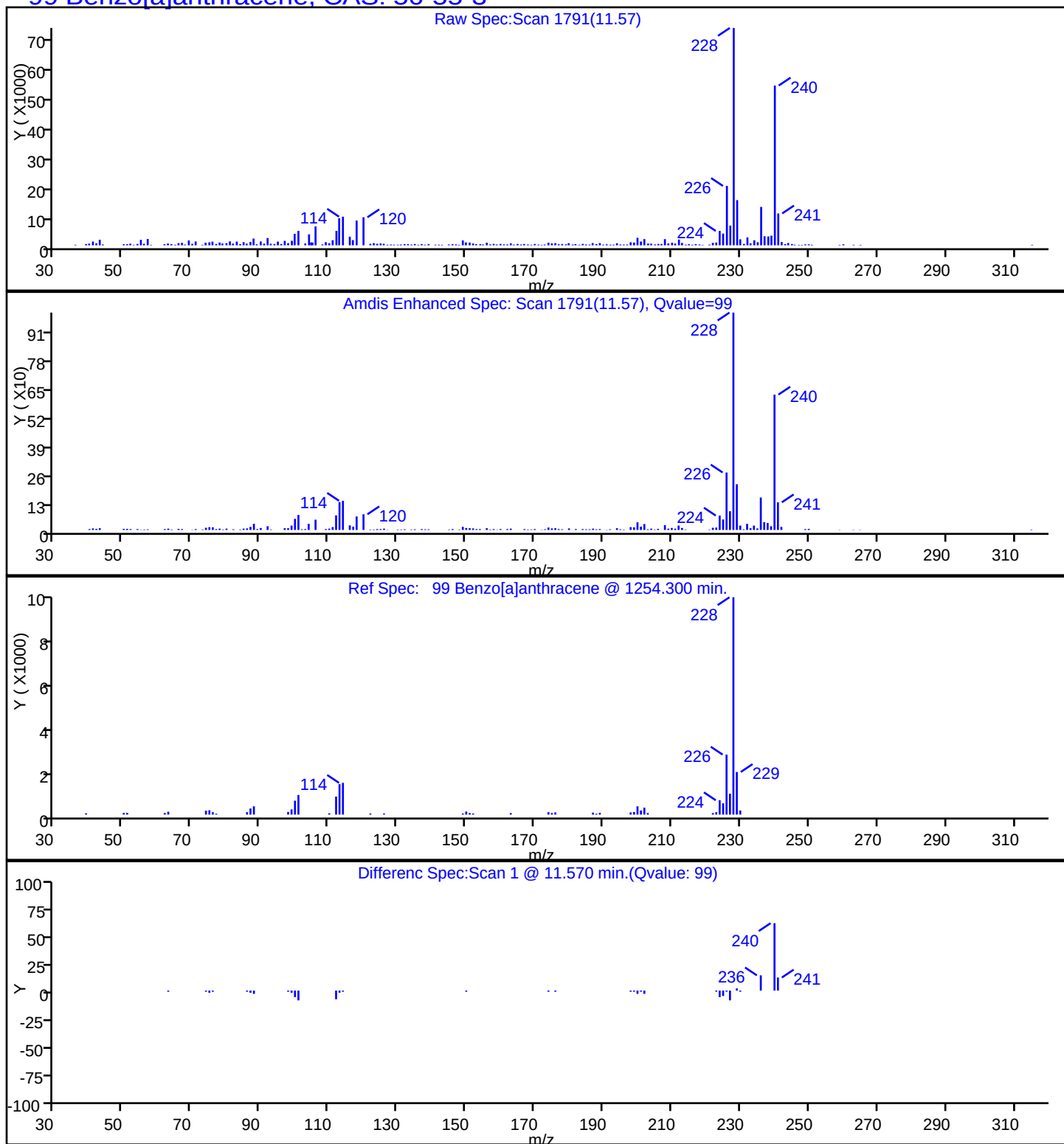
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125811.D

Injection Date: 16-Sep-2015 13:38:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-14-C

Lab Sample ID: 460-100972-14

Client ID: WC-14

Operator ID: BNA 12

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

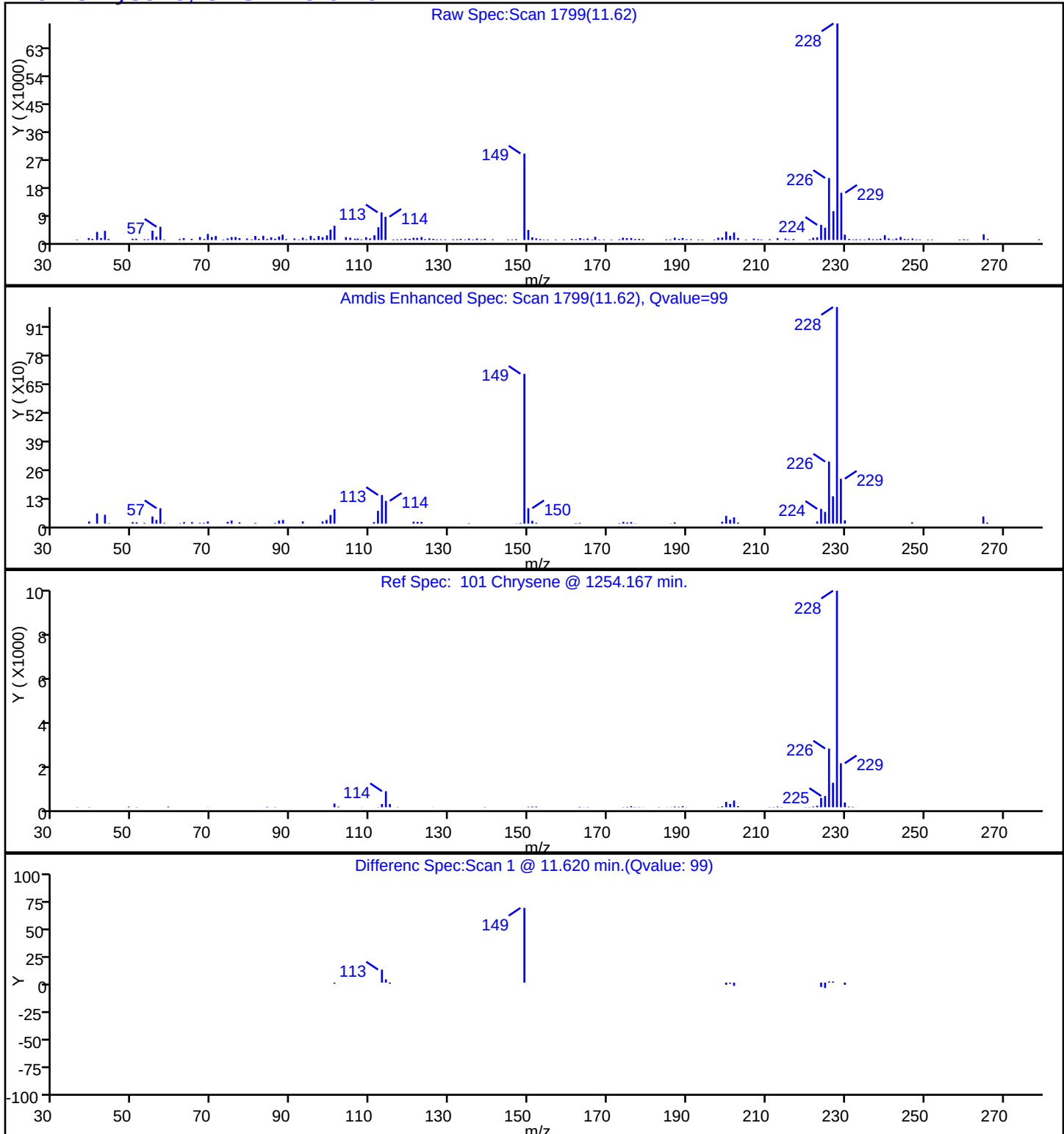
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

101 Chrysene, CAS: 218-01-9

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125811.D

Injection Date: 16-Sep-2015 13:38:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-14-C

Lab Sample ID: 460-100972-14

Client ID: WC-14

Operator ID: BNA 12

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

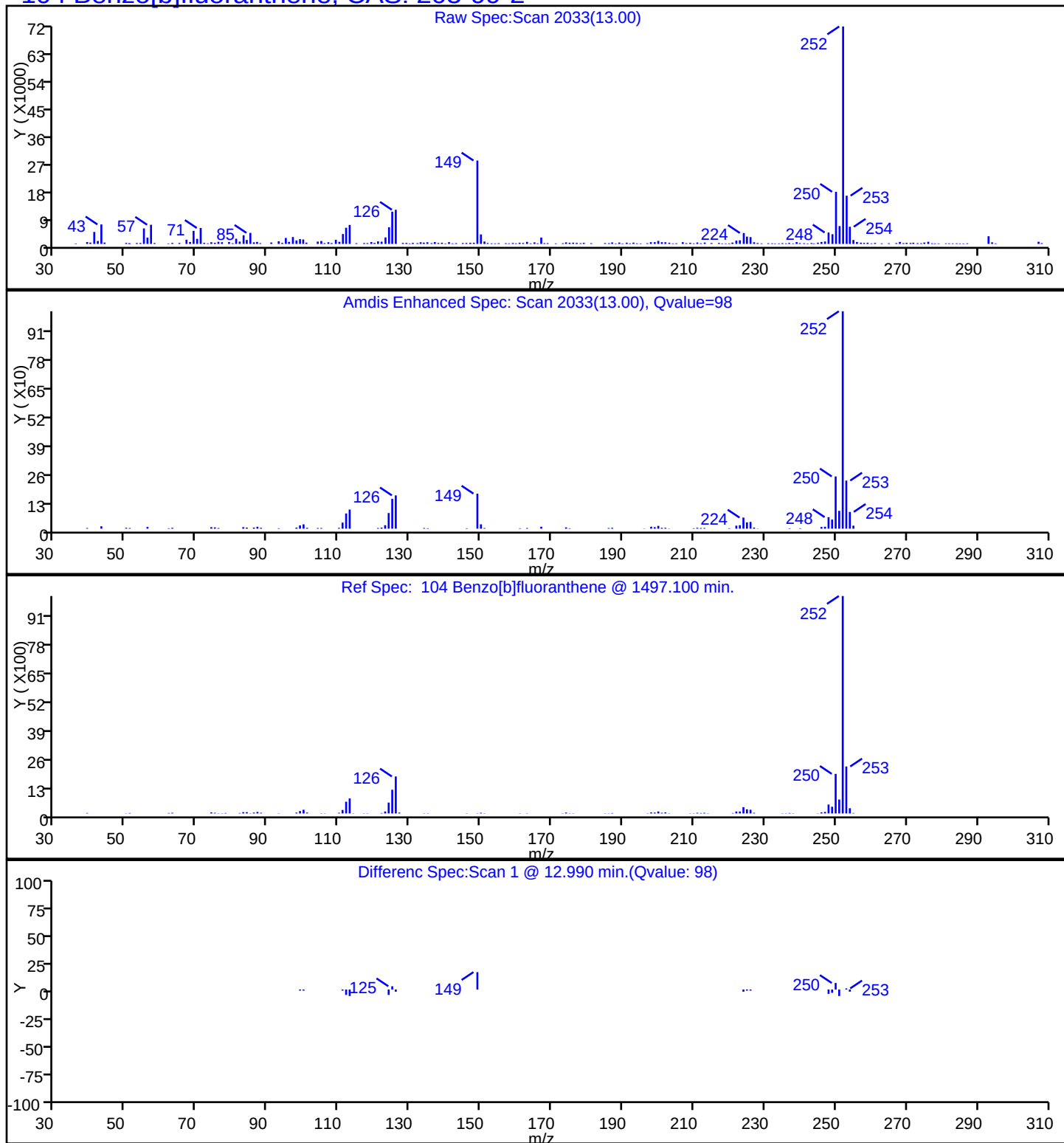
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125811.D

Injection Date: 16-Sep-2015 13:38:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-14-C

Lab Sample ID: 460-100972-14

Client ID: WC-14

Operator ID: BNA 12

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

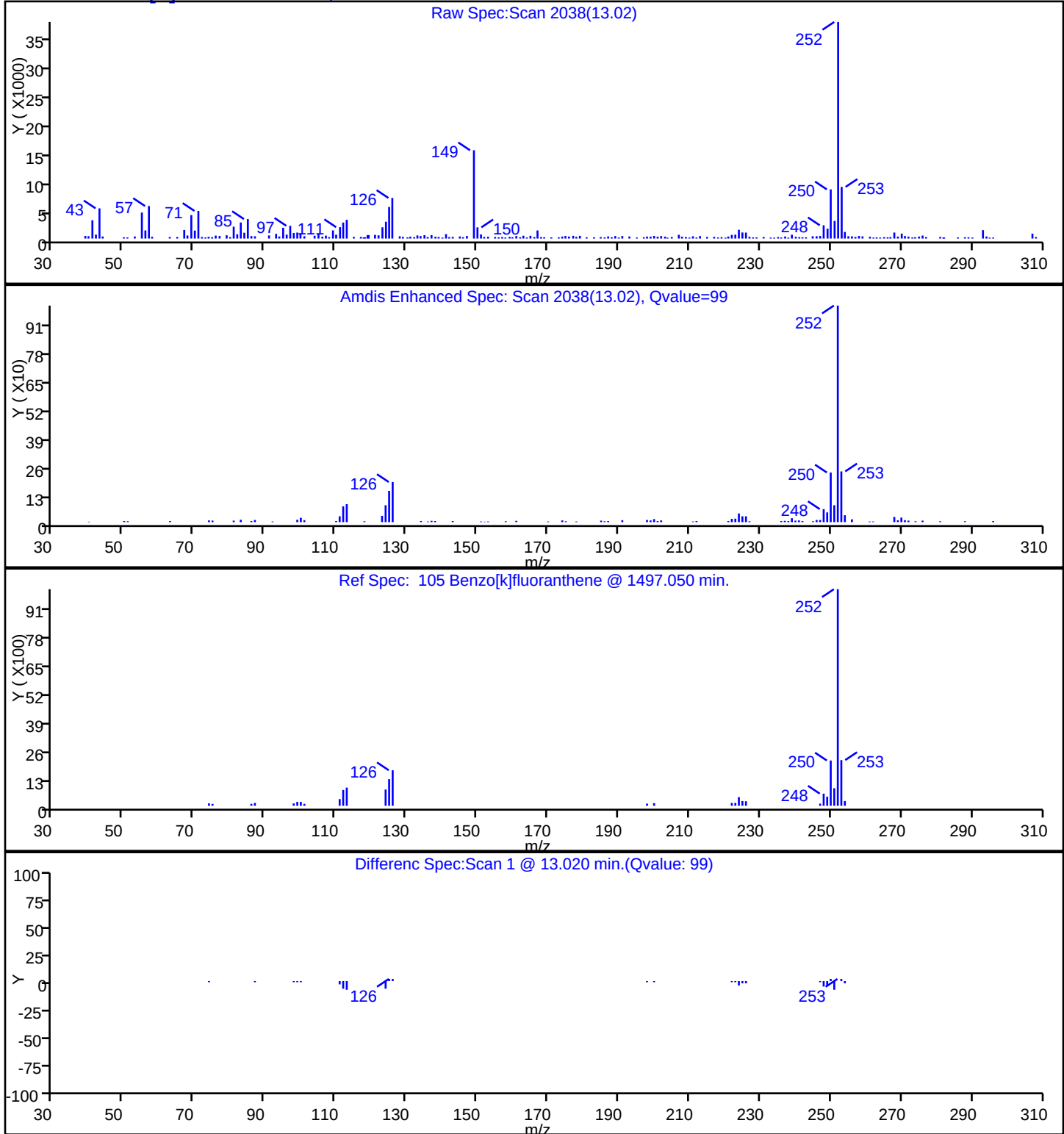
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125811.D

Injection Date: 16-Sep-2015 13:38:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-14-C

Lab Sample ID: 460-100972-14

Client ID: WC-14

Operator ID: BNA 12

ALS Bottle#: 21 Worklist Smp#: 21

Injection Vol: 1.0 ul

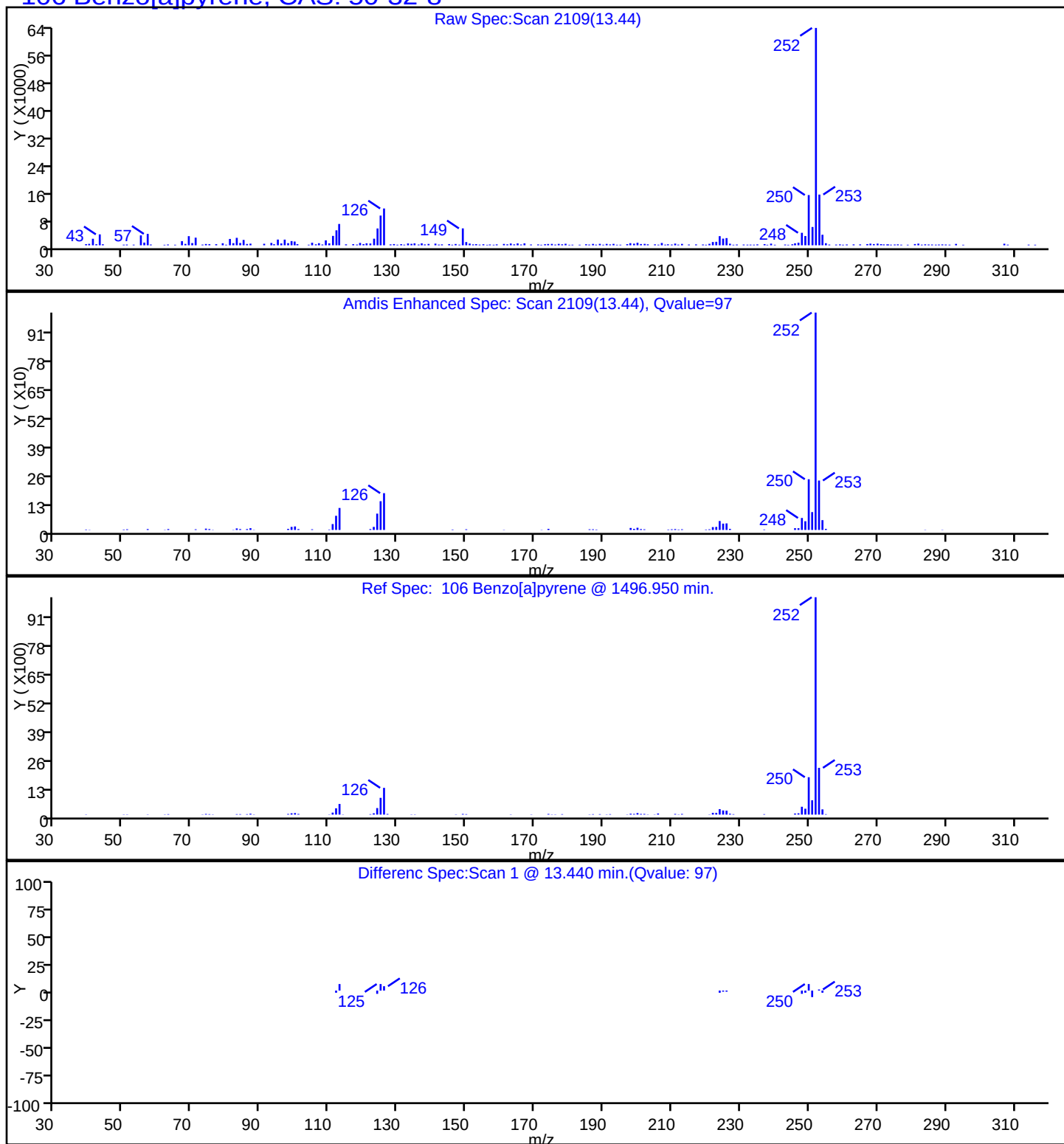
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125811.D

Injection Date: 16-Sep-2015 13:38:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-14-C

Lab Sample ID: 460-100972-14

Client ID: WC-14

Operator ID: BNA 12

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

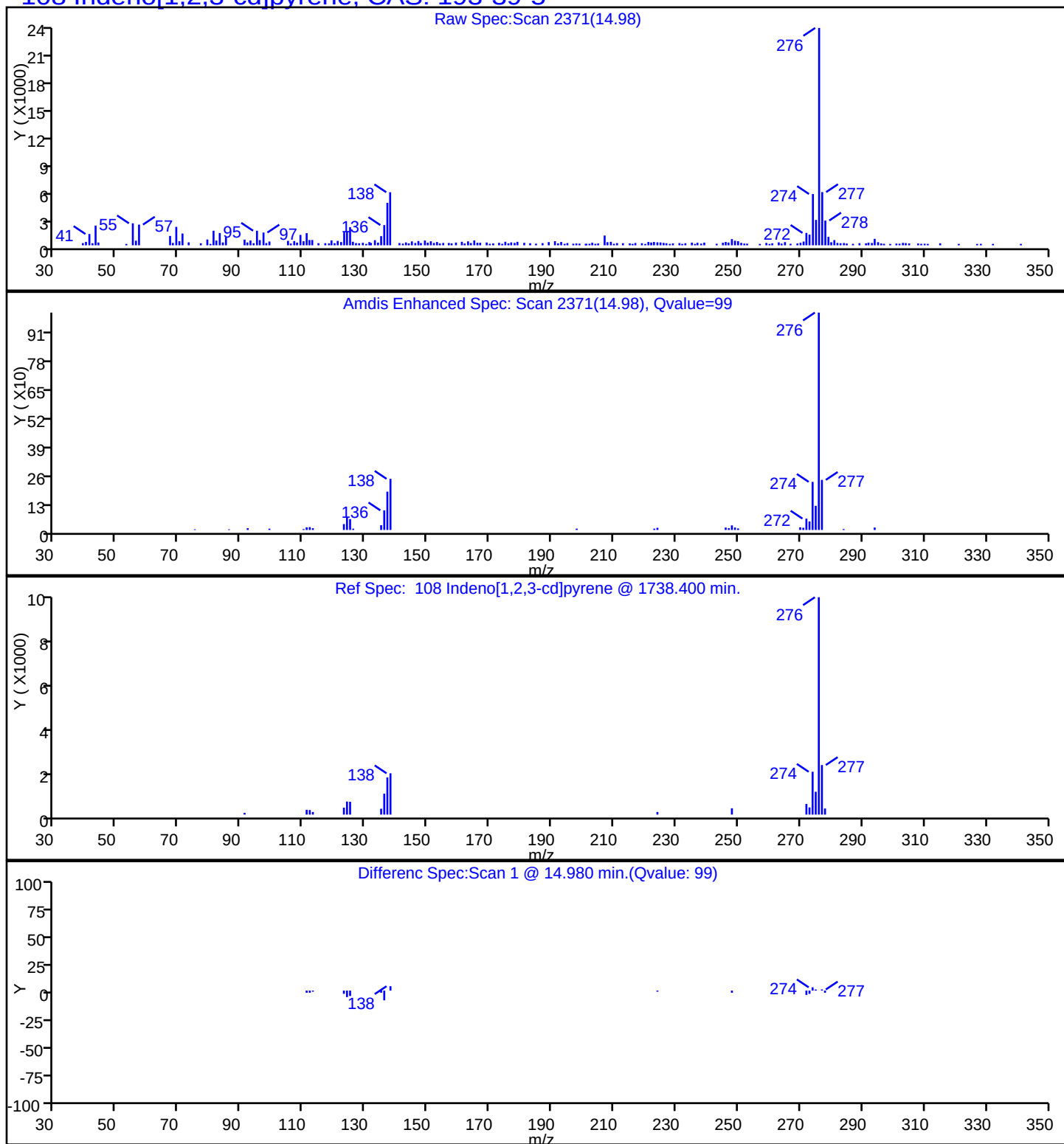
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125811.D

Injection Date: 16-Sep-2015 13:38:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-14-C

Lab Sample ID: 460-100972-14

Client ID: WC-14

Operator ID: BNA 12

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

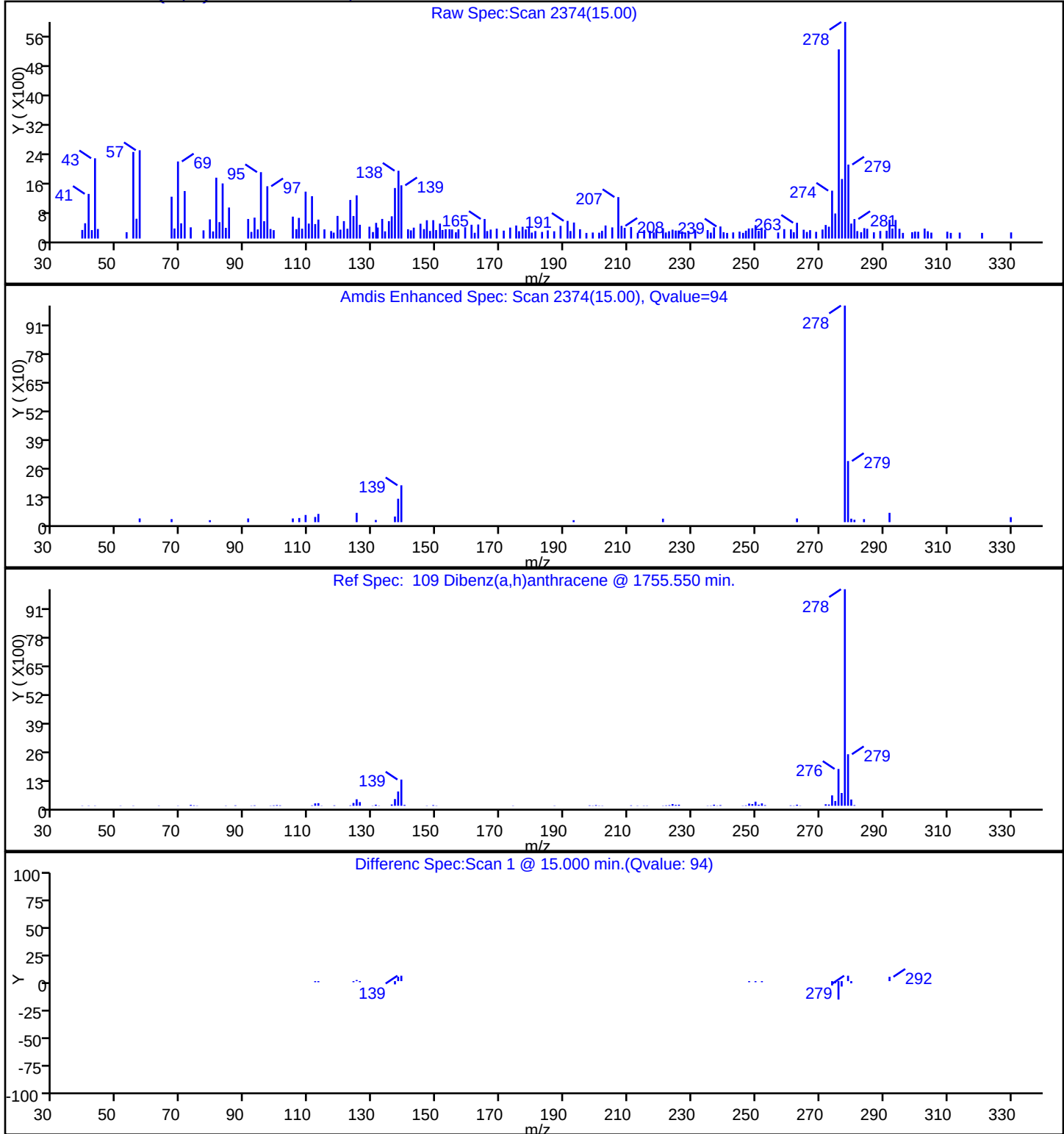
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

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

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125811.D

Injection Date: 16-Sep-2015 13:38:30

Instrument ID: CBNAMS12

Lims ID: 460-100972-A-14-C

Lab Sample ID: 460-100972-14

Client ID: WC-14

Operator ID: BNA 12

ALS Bottle#: 21

Worklist Smp#: 21

Injection Vol: 1.0 ul

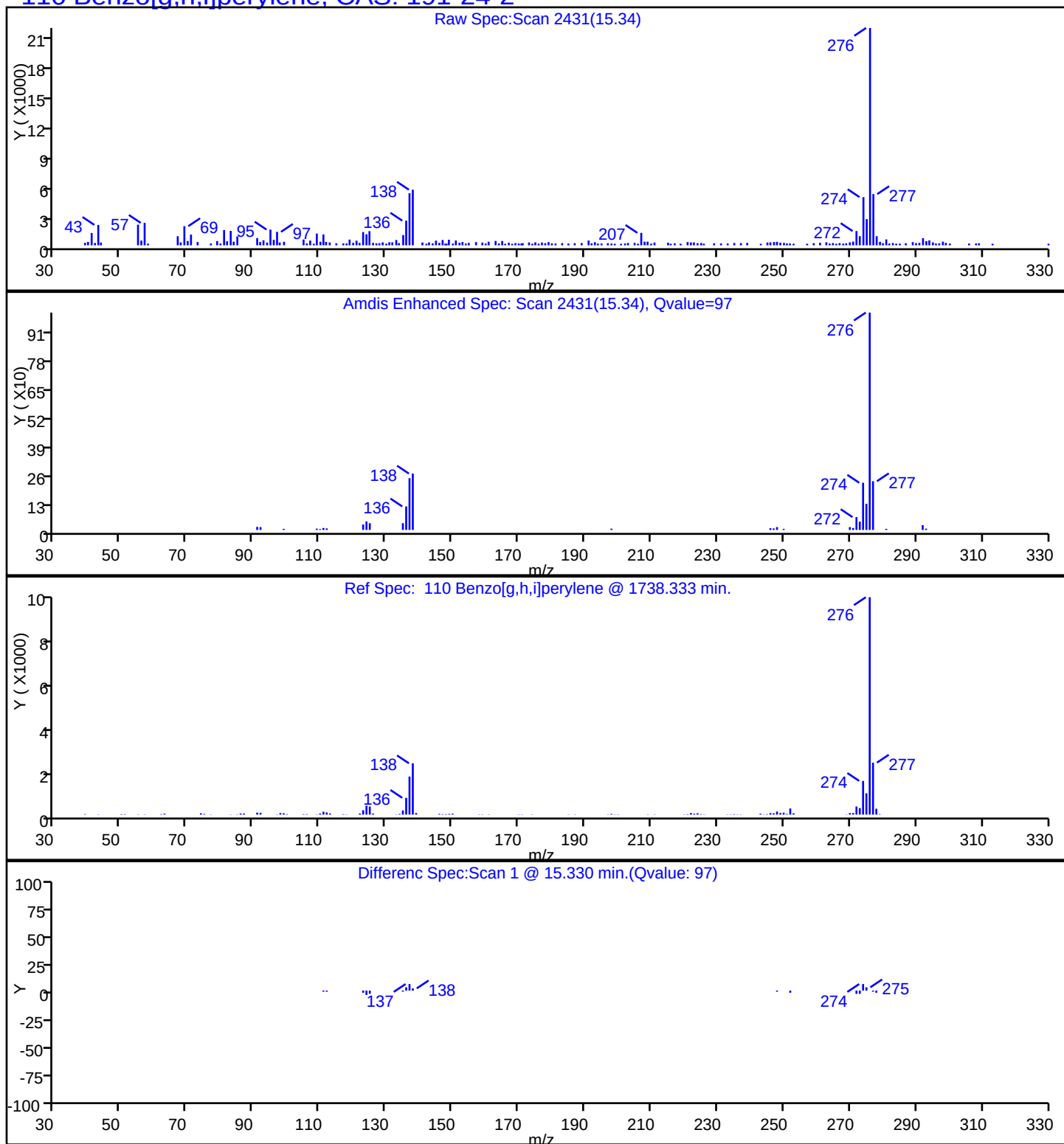
Dil. Factor: 1.0000

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)

Detector: MS SCAN

110 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.: 460-100972-1 Analy Batch No.: 321563

SDG No.: _____

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/10/2015 01:44 Calibration End Date: 09/10/2015 05:11 Calibration ID: 52192

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-321563/10	z36203.D
Level 2	STD1 460-321563/9	z36202.D
Level 3	STD2 460-321563/8	z36201.D
Level 4	STD5 460-321563/7	z36200.D
Level 5	STD10 460-321563/6	z36199.D
Level 6	STD20 460-321563/5	z36198.D
Level 7	ICIS 460-321563/2	z36195.D
Level 8	STD80 460-321563/4	z36197.D
Level 9	STD120 460-321563/3	z36196.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	0.5464	0.5347	0.5564	0.4980 0.5942	0.5542	Ave		0.5473				5.7		20.0			
N-Nitrosodimethylamine	0.8109	0.7850	0.7925	0.7596 0.8553	0.8260	Ave		0.8049				4.2		20.0			
Pyridine	1.3938	1.3473	1.3644	1.2390 1.4456	1.4211	Ave		1.3685				5.3		20.0			
Phenol	1.6281	1.6944	1.6661	1.5105 1.7758	1.7024	Ave		1.6629		0.8000		5.4		20.0			
Aniline	2.0471	2.0377	2.0136	1.9102 2.1481	2.1446	Ave		2.0502				4.3		20.0			
Bis(2-chloroethyl)ether	1.4537 1.3274	1.0878 1.3422	1.2712 1.3512	1.2220 1.4685	1.3799	Ave		1.3227		0.7000		8.9		20.0			
2-Chlorophenol	1.3638	1.3684	1.3183	1.2512 1.3734	1.3926	Ave		1.3446		0.8000		3.9		20.0			
n-Decane	1.8322	1.7676	1.8081	1.6171 1.7933	1.8018	Ave		1.7700				4.4		20.0			
1,3-Dichlorobenzene	1.5217	1.5545	1.5302	1.4505 1.5896	1.5575	Ave		1.5340				3.1		20.0			
1,4-Dichlorobenzene	1.5841	1.5854	1.5669	1.4667 1.6358	1.6056	Ave		1.5741				3.7		20.0			
Benzyl alcohol	0.7457	0.7894	0.7092	0.6432 0.7479	0.7749	Ave		0.7351				7.2		20.0			
1,2-Dichlorobenzene	1.4768	1.4367	1.4292	1.3580 1.4865	1.5067	Ave		1.4490				3.7		20.0			
2-Methylphenol	1.1861	1.1602	1.0934	1.1105 1.1103	1.2217	Ave		1.1470		0.7000		4.4		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.: 460-100972-1 Analy Batch No.: 321563
SDG No.: _____
Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 09/10/2015 01:44 Calibration End Date: 09/10/2015 05:11 Calibration ID: 52192

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]	1.8011	1.7283	1.6747	1.6932 1.6900	1.8780	Ave		1.7442			0.0100	4.6		20.0			
3 & 4 Methylphenol	1.3867	1.3350	1.2561	1.2609 1.2521	1.4343	Ave		1.3208				5.9		20.0			
4-Methylphenol	1.3867	1.3350	1.2561	1.2609 1.2521	1.4343	Ave		1.3208			0.6000	5.9		20.0			
Acetophenone	1.8772	1.8385	1.6943	1.7880 1.6778	1.9697	Ave		1.8076			0.0100	6.2		20.0			
N-Nitrosodi-n-propylamine	1.1183 1.0008	0.8773 0.9686	0.9959 0.8896	1.0010 0.8673	1.0548	Ave		0.9749			0.5000	8.7		20.0			
Hexachloroethane	0.7024 0.6579	0.5617 0.6362	0.6337 0.6336	0.5952 0.6311	0.6704	Ave		0.6358			0.3000	6.4		20.0			
Nitrobenzene	0.5660 0.6035	0.5207 0.6325	0.5483 0.6225	0.5370 0.6595	0.6273	Ave		0.5908			0.2000	8.3		20.0			
n,n'-Dimethylaniline	1.9161 2.0218	1.8651 2.0322	1.8894 1.9483	1.8168 2.0587	2.2751	Ave		1.9804				6.9		20.0			
Isophorone	0.6558	0.6412	0.6291 0.6063	0.6192 0.5929	0.6752	Ave		0.6314			0.4000	4.5		20.0			
2-Nitrophenol	0.1833	0.1876	0.1824	0.1621 0.1951	0.1874	Ave		0.1830			0.1000	6.1		20.0			
2,4-Dimethylphenol	0.2923	0.3006	0.2971	0.2474 0.3055	0.3023	Ave		0.2909			0.2000	7.5		20.0			
Bis(2-chloroethoxy)methane	0.3937	0.4034	0.3914	0.3663 0.4028	0.4139	Ave		0.3953			0.3000	4.1		20.0			
Benzoic acid	0.1900	0.1585	0.1580	0.1386 0.1577	0.1894	Ave		0.1654				12.3		20.0			
2,4-Dichlorophenol	0.2664	0.2739	0.2597	0.2200 0.2750	0.2758	Ave		0.2618			0.2000	8.2		20.0			
1,2,4-Trichlorobenzene	0.3262 0.2977	0.2443 0.3111	0.2777 0.3046	0.2663 0.3208	0.3063	Ave		0.2950				9.1		20.0			
Naphthalene	1.0623	1.0713	1.0466	0.9709 1.1042	1.1007	Ave		1.0593			0.7000	4.6		20.0			
4-Chloroaniline	0.4065	0.4031	0.3853	0.3683 0.4087	0.4266	Ave		0.3998			0.0100	5.1		20.0			
Hexachlorobutadiene	0.1773	0.1485 0.1903	0.1689 0.1891	0.1626 0.1970	0.1837	Ave		0.1772			0.0100	9.2		20.0			
4-Chloro-3-methylphenol	0.2645	0.2640	0.2382	0.2322 0.2495	0.2656	Ave		0.2523			0.2000	5.8		20.0			
2-Methylnaphthalene	0.6669	0.6773	0.6403	0.6108 0.6659	0.7072	Ave		0.6614			0.4000	5.0		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.: 460-100972-1 Analy Batch No.: 321563
SDG No.: _____
Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 09/10/2015 01:44 Calibration End Date: 09/10/2015 05:11 Calibration ID: 52192

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	0.5680	0.5746	0.5440	0.5272 0.5618	0.6065	Ave		0.5637				4.8		20.0			
Hexachlorocyclopentadiene	0.3057	0.3950	0.4565	0.2302 0.4953	0.2928	Qua	-1.085	0.3687	0.0011474		0.0500				0.9990		0.9900
1,2,4,5-Tetrachlorobenzene	0.5748	0.6332	0.6710	0.5157 0.6980	0.5860	Ave		0.6131			0.0100	11.0		20.0			
2-tertbutyl-4-methylphenol	0.4329	0.4542	0.4131	0.3687 0.4444	0.4815	Ave		0.4325				8.9		20.0			
2,4,6-Trichlorophenol	0.3463	0.3695	0.3072 0.3537	0.3242 0.3817	0.3575	Ave		0.3486			0.2000	7.4		20.0			
2,4,5-Trichlorophenol	0.3257	0.3575	0.3578	0.3127 0.3622	0.3309	Ave		0.3411			0.2000	6.1		20.0			
1,1'-Biphenyl	1.5984	1.6593	1.7008	1.4102 1.7746	1.6247	Ave		1.6280			0.0100	7.6		20.0			
2-Chloronaphthalene	1.1665	1.2118	1.2141	1.0833 1.2334	1.2303	Ave		1.1899			0.8000	4.8		20.0			
Phenyl ether	0.8100	0.8467	0.8494	0.7157 0.8896	0.8835	Ave		0.8325				7.7		20.0			
2-Nitroaniline	0.4748	0.4718	0.4642	0.4183 0.3974	0.5035	Ave		0.4550			0.0100	8.7		20.0			
1,3-Dimethylnaphthalene	1.0171	1.0447	1.0176	0.9398 1.0759	1.1598	Ave		1.0425				7.0		20.0			
Dimethyl phthalate	1.0881	1.0965	1.0330	1.0065 1.0837	1.1538	Ave		1.0769			0.0100	4.8		20.0			
Coumarin	0.1580	0.1527	0.1256	0.1389 0.1405	0.1905	Ave		0.1510				14.8		20.0			
2,6-Dinitrotoluene	0.2570	0.1985 0.2487	0.2401 0.2411	0.2276 0.2553	0.2601	Ave		0.2411			0.2000	8.4		20.0			
Acenaphthylene	1.7509	1.7604	1.7633	1.6536 1.7854	1.8572	Ave		1.7618			0.9000	3.7		20.0			
3-Nitroaniline	0.2681	0.2598	0.2472	0.2345 0.2561	0.2818	Ave		0.2579			0.0100	6.4		20.0			
3,5-di-tert-butyl-4-hydroxytol	0.9914	1.1132	1.1316	0.8232 1.1923	1.0985	Ave		1.0584				12.5		20.0			
Acenaphthene	1.2147	1.1663	1.1294	1.0929 1.1526	1.2723	Ave		1.1714			0.9000	5.4		20.0			
2,4-Dinitrophenol	0.1365	0.1305	0.0645 0.1293	0.0910 0.1433	0.1280	Lin2	-0.308	0.1372			0.0100				0.9950		0.9900
4-Nitrophenol	0.2166	0.2084	0.1998	0.1613 0.2148	0.2141	Ave		0.2025			0.0100	10.4		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.: 460-100972-1 Analy Batch No.: 321563

SDG No.: _____

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/10/2015 01:44 Calibration End Date: 09/10/2015 05:11 Calibration ID: 52192

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	0.2995	0.2004 0.2863	0.2536 0.2728	0.2520 0.2880	0.3079	Ave		0.2701			0.2000	12.8		20.0			
Dibenzofuran	1.4839	1.4743	1.4441	1.3744 1.4764	1.5636	Ave		1.4694			0.8000	4.2		20.0			
2,3,4,6-Tetrachlorophenol	0.2518	0.2498	0.2366	0.2098 0.2472	0.2599	Ave		0.2425			0.0100	7.3		20.0			
Diethyl phthalate	1.0672	1.0125	0.9643	0.9457 1.0442	1.1168	Ave		1.0251			0.0100	6.3		20.0			
4-Chlorophenyl phenyl ether	0.5472	0.5607	0.5357	0.4921 0.5683	0.5710	Ave		0.5458			0.4000	5.4		20.0			
Fluorene	1.2014	1.2053	1.1608	1.0709 1.2308	1.2693	Ave		1.1898			0.9000	5.7		20.0			
4-Nitroaniline	0.2510	0.2346	0.2162	0.2050 0.1943	0.2542	Ave		0.2259			0.0100	10.9		20.0			
4,6-Dinitro-2-methylphenol	0.1252	0.1315	0.0849 0.1290	0.0975 0.1425	0.1250	Ave		0.1194			0.0100	17.1		20.0			
N-Nitrosodiphenylamine	0.7686	0.8228	0.7189 0.8162	0.7412 0.8602	0.8086	Ave		0.7909			0.0100	6.3		20.0			
1,2-Diphenylhydrazine	1.0779	1.1314	1.1475	1.0500 1.1828	1.1252	Ave		1.1191				4.3		20.0			
4-Bromophenyl phenyl ether	0.2391	0.2522	0.2470	0.2331 0.2596	0.2452	Ave		0.2460			0.1000	3.8		20.0			
Hexachlorobenzene	0.2525 0.2576	0.2021 0.2743	0.2256 0.2701	0.2443 0.2824	0.2689	Ave		0.2531			0.1000	10.2		20.0			
Pentachlorophenol	0.1378	0.1479	0.1002 0.1457	0.1115 0.1656	0.1339	Ave		0.1347			0.0500	16.6		20.0			
Pentachloronitrobenzene	0.1043	0.1060	0.1005	0.0901 0.1105	0.1175	Ave		0.1048			0.0100	8.9		20.0			
n-Octadecane	0.7047	0.7815	0.8369	0.6474 0.8562	0.7227	Ave		0.7582				10.7		20.0			
Phenanthrene	1.1431	1.1401	1.1247	1.0518 1.2017	1.2035	Ave		1.1441			0.7000	4.9		20.0			
Anthracene	1.1424	1.1399	1.1318	0.9993 1.2041	1.1689	Ave		1.1311			0.7000	6.2		20.0			
Carbazole	0.9398	0.9183	0.8838	0.8383 0.9355	0.9778	Ave		0.9156			0.0100	5.3		20.0			
Di-n-butyl phthalate	1.1962	1.1585	1.1503	1.0342 1.2269	1.2382	Ave		1.1674			0.0100	6.4		20.0			
Fluoranthene	0.9830	0.9481	0.9234	0.8131 0.9716	1.0074	Ave		0.9411			0.6000	7.3		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.: 460-100972-1 Analy Batch No.: 321563
SDG No.: _____
Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 09/10/2015 01:44 Calibration End Date: 09/10/2015 05:11 Calibration ID: 52192

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	0.4196	0.3891	0.4056	0.2895 0.4503	0.3505	Ave		0.3841				14.8		20.0			
Pyrene	1.6494	1.6066	1.5288	1.6468 1.5948	1.6786	Ave		1.6175			0.6000	3.3		20.0			
Bisphenol-A	0.1573	0.3497	0.3582	+++++ 0.4163	0.0203	Qua	-3.684	0.3630	0.0006817						0.9980		0.9900
Butyl benzyl phthalate	0.6716	0.6504	0.6207	0.6330 0.6411	0.6989	Ave		0.6526			0.0100	4.4		20.0			
2,3,7,8-TCDD		0.1916				Ave		0.1916						20.0			
Carbamazepine	0.3921	0.4365	0.4197	0.3180 0.4468	0.4373	Ave		0.4084				11.8		20.0			
3,3'-Dichlorobenzidine	0.3851	0.3900	0.2601 0.3844	0.3272 0.3949	0.3637	Ave		0.3579			0.0100	13.7		20.0			
Benzo[a]anthracene	1.3742 1.1466	1.1074 1.1551	1.1515 1.1139	1.1064 1.1268	1.2196	Ave		1.1668			0.8000	7.3		20.0			
Bis(2-ethylhexyl) phthalate	0.9220	0.8998	0.8776	0.8276 0.8918	0.9456	Ave		0.8941			0.0100	4.5		20.0			
Chrysene	1.0380	1.0512	0.9832	0.9788 1.0104	1.0977	Ave		1.0265			0.7000	4.4		20.0			
Di-n-octyl phthalate	1.8400	1.7786	1.5951	1.4824 1.6795	1.8656	Ave		1.7069			0.0100	8.8		20.0			
Benzo[b]fluoranthene	0.9633 1.2111	0.7851 1.2918	1.0653 1.2217	1.1640 1.2499	1.2383	Ave		1.1323			0.7000	14.6		20.0			
Benzo[k]fluoranthene	1.0770 1.2780	1.0299 1.2462	1.1761 1.1834	1.1302 1.2418	1.3244	Ave		1.1874			0.7000	8.1		20.0			
Benzo[a]pyrene	0.8501 1.1302	0.7409 1.1601	0.9420 1.1090	0.9557 1.1827	1.1464	Ave		1.0241			0.7000	15.4		20.0			
Indeno[1,2,3-cd]pyrene	0.4625 0.8946	0.5424 1.0268	0.6948 1.0491	0.7437 1.2040	0.8388	Qua	-0.210	0.8387	0.0030141		0.5000				1.0000		0.9900
Dibenz(a,h)anthracene	0.5065 0.9186	0.5140 0.9939	0.7732 1.0543	0.8181 1.1399	0.8837	Qua	-0.309	0.8940	0.0020687		0.4000				1.0000		0.9900
Benzo[g,h,i]perylene	0.8896	0.9736	1.0663	0.7996 1.1509	0.8536	Ave		0.9556			0.5000	14.0		20.0			
2-Fluorophenol (Surr)	1.3154 1.3126	1.3154 1.2873	0.9876 1.3232	1.3697 1.3612	1.2411	Ave		1.2748				9.6		20.0			
Phenol-d5 (Surr)	1.5453	1.4878 1.5384	1.1940 1.5313	1.6877 1.5828	1.5350	Ave		1.5128				9.4		20.0			
Nitrobenzene-d5	0.4294 0.4168	0.4371 0.4213	0.3379 0.4374	0.4445 0.4456	0.4221	Ave		0.4213				7.8		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.: 460-100972-1 Analy Batch No.: 321563

SDG No.: _____

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/10/2015 01:44 Calibration End Date: 09/10/2015 05:11 Calibration ID: 52192

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	1.3832 1.3633	1.3771 1.4306	1.0653 1.5450	1.4789 1.5227	1.3528	Ave		1.3910				10.1		20.0			
2,4,6-Tribromophenol (Surr)	0.1521	0.1549 0.1538	0.1153 0.1455	0.1512 0.1521	0.1556	Ave		0.1476				9.1		20.0			
Terphenyl-d14	1.0689 1.1093	1.0557 1.1052	0.8717 1.0690	1.2887 1.1118	1.0982	Ave		1.0865				9.8		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.: 460-100972-1 Analy Batch No.: 321563

SDG No.: _____

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/10/2015 01:44 Calibration End Date: 09/10/2015 05:11 Calibration ID: 52192

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-321563/10	z36203.D
Level 2	STD1 460-321563/9	z36202.D
Level 3	STD2 460-321563/8	z36201.D
Level 4	STD5 460-321563/7	z36200.D
Level 5	STD10 460-321563/6	z36199.D
Level 6	STD20 460-321563/5	z36198.D
Level 7	ICIS 460-321563/2	z36195.D
Level 8	STD80 460-321563/4	z36197.D
Level 9	STD120 460-321563/3	z36196.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	83139	185879	306315	22374 529412	45858	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodimethylamine	DCB	Ave	123390	272875	436314	34131 762075	68350	20.0	50.0	80.0	5.00 120	10.0
Pyridine	DCB	Ave	212078	468333	751223	55671 1288024	117592	20.0	50.0	80.0	5.00 120	10.0
Phenol	DCB	Ave	247728	588996	917331	67869 1582195	140872	20.0	50.0	80.0	5.00 120	10.0
Aniline	DCB	Ave	311493	708326	1108623	85826 1913994	177465	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethyl)ether	DCB	Ave	6172 201980	10189 466546	23489 743954	54905 1308427	114180	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Chlorophenol	DCB	Ave	207513	475678	725800	56218 1223662	115235	20.0	50.0	80.0	5.00 120	10.0
n-Decane	DCB	Ave	278786	614444	995495	72657 1597847	149093	20.0	50.0	80.0	5.00 120	10.0
1,3-Dichlorobenzene	DCB	Ave	231549	540347	842488	65172 1416319	128880	20.0	50.0	80.0	5.00 120	10.0
1,4-Dichlorobenzene	DCB	Ave	241035	551117	862680	65899 1457473	132862	20.0	50.0	80.0	5.00 120	10.0
Benzyl alcohol	DCB	Ave	113471	274410	390454	28900 666380	64121	20.0	50.0	80.0	5.00 120	10.0
1,2-Dichlorobenzene	DCB	Ave	224716	499422	786882	61019 1324495	124677	20.0	50.0	80.0	5.00 120	10.0
2-Methylphenol	DCB	Ave	180477	403287	601974	49896 989242	101095	20.0	50.0	80.0	5.00 120	10.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	274058	600770	922022	76077 1505787	155400	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.: 460-100972-1 Analy Batch No.: 321563

SDG No.: _____

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/10/2015 01:44 Calibration End Date: 09/10/2015 05:11 Calibration ID: 52192

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	211002	464059	691588	56654 1115594	118683	20.0	50.0	80.0	5.00 120	10.0
4-Methylphenol	DCB	Ave	211002	464059	691588	56654 1115594	118683	20.0	50.0	80.0	5.00 120	10.0
Acetophenone	DCB	Ave	285633	639088	932858	80337 1494897	162985	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodi-n-propylamine	DCB	Ave	4748 152282	8217 336710	18402 489766	44976 772801	87285	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Hexachloroethane	DCB	Ave	2982 100103	5261 221158	11709 348867	26744 562318	55472	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene	NPT	Ave	9133 326768	18185 735071	37955 1088856	89711 1766879	187740	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
n,n'-Dimethylaniline	DCB	Ave	8135 307640	17470 706416	34911 1072674	81630 1834294	188257	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Isophorone	NPT	Ave	355065	745130	1060550	43546 1588547	202098	20.0	50.0	2.00 80.0	5.00 120	10.0
2-Nitrophenol	NPT	Ave	99270	218037	319086	27073 522829	56095	20.0	50.0	80.0	5.00 120	10.0
2,4-Dimethylphenol	NPT	Ave	158241	349304	519662	41333 818578	90491	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	213188	468822	684673	61192 1079218	123894	20.0	50.0	80.0	5.00 120	10.0
Benzoic acid	NPT	Ave	102867	184246	276456	23151 422476	56702	20.0	50.0	80.0	5.00 120	10.0
2,4-Dichlorophenol	NPT	Ave	144230	318266	454340	36753 736890	82536	20.0	50.0	80.0	5.00 120	10.0
1,2,4-Trichlorobenzene	NPT	Ave	5263 161212	8531 361565	19223 532774	44487 859423	91681	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Naphthalene	NPT	Ave	575171	1244996	1830687	162185 2958439	329437	20.0	50.0	80.0	5.00 120	10.0
4-Chloroaniline	NPT	Ave	220086	468520	674037	61525 1095078	127676	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobutadiene	NPT	Ave	95984	5187 221161	11690 330844	27158 527852	54989	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
4-Chloro-3-methylphenol	NPT	Ave	143214	306783	416633	38783 668320	79487	20.0	50.0	80.0	5.00 120	10.0
2-Methylnaphthalene	NPT	Ave	361068	787075	1120037	102026 1784097	211655	20.0	50.0	80.0	5.00 120	10.0
1-Methylnaphthalene	NPT	Ave	307552	667822	951591	88063 1505238	181538	20.0	50.0	80.0	5.00 120	10.0
Hexachlorocyclopentadiene	ANT	Qua	75958	201323	317009	17642 536007	41488	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.: 460-100972-1 Analy Batch No.: 321563

SDG No.: _____

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/10/2015 01:44 Calibration End Date: 09/10/2015 05:11 Calibration ID: 52192

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	142794	322736	465962	39514 755389	83018	20.0	50.0	80.0	5.00 120	10.0
2-tertbutyl-4-methylphenol	NPT	Ave	234389	527856	722567	61589 1190619	144122	20.0	50.0	80.0	5.00 120	10.0
2,4,6-Trichlorophenol	ANT	Ave	86044	188334	9957 245611	24843 413091	50649	20.0	50.0	2.00 80.0	5.00 120	10.0
2,4,5-Trichlorophenol	ANT	Ave	80905	182210	23960 248456	391979	46882	20.0	50.0	80.0	5.00 120	10.0
1,1'-Biphenyl	ANT	Ave	397105	845699	1181152	108054 1920553	230181	20.0	50.0	80.0	5.00 120	10.0
2-Chloronaphthalene	ANT	Ave	289809	617592	843186	83008 1334847	174302	20.0	50.0	80.0	5.00 120	10.0
Phenyl ether	ANT	Ave	201235	431541	589866	54841 962728	125174	20.0	50.0	80.0	5.00 120	10.0
2-Nitroaniline	ANT	Ave	117969	240442	322342	32055 430132	71331	20.0	50.0	80.0	5.00 120	10.0
1,3-Dimethylnaphthalene	ANT	Ave	252681	532451	706682	72009 1164416	164315	20.0	50.0	80.0	5.00 120	10.0
Dimethyl phthalate	ANT	Ave	270323	558849	717356	77117 1172811	163472	20.0	50.0	80.0	5.00 120	10.0
Coumarin	NPT	Ave	85526	177487	219734	23207 376405	57005	20.0	50.0	80.0	5.00 120	10.0
2,6-Dinitrotoluene	ANT	Ave	63846	3225 126757	7783 167452	17440 276246	36852	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Acenaphthylene	ANT	Ave	434981	897178	1224534	126706 1932232	263125	20.0	50.0	80.0	5.00 120	10.0
3-Nitroaniline	ANT	Ave	66597	132408	171642	17966 277204	39926	20.0	50.0	80.0	5.00 120	10.0
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	246302	567332	785861	63072 1290334	155638	20.0	50.0	80.0	5.00 120	10.0
Acenaphthene	ANT	Ave	301784	594429	784352	83744 1247356	180260	20.0	50.0	80.0	5.00 120	10.0
2,4-Dinitrophenol	ANT	Lin2	67806	133012	4180 179557	13950 310250	36265	40.0	100	4.00 160	10.0 240	20.0
4-Nitrophenol	ANT	Ave	107620	212452	277520	24720 464875	60663	40.0	100	160	10.0 240	20.0
2,4-Dinitrotoluene	ANT	Ave	74407	3256 145902	8221 189418	19309 311682	43629	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenzofuran	ANT	Ave	368666	751382	1002883	105307 1597778	221524	20.0	50.0	80.0	5.00 120	10.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	62564	127305	164288	16075 267574	36816	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.: 460-100972-1 Analy Batch No.: 321563

SDG No.: _____

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/10/2015 01:44 Calibration End Date: 09/10/2015 05:11 Calibration ID: 52192

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	265134	516038	669679	72461 1130034	158230	20.0	50.0	80.0	5.00 120	10.0
4-Chlorophenyl phenyl ether	ANT	Ave	135954	285758	371997	37709 615018	80903	20.0	50.0	80.0	5.00 120	10.0
Fluorene	ANT	Ave	298476	614294	806163	82056 1332063	179833	20.0	50.0	80.0	5.00 120	10.0
4-Nitroaniline	ANT	Ave	62360	119548	150128	15710 210334	36016	20.0	50.0	80.0	5.00 120	10.0
4,6-Dinitro-2-methylphenol	PHN	Ave	77552	153619	193875	6394 333113	43806	40.0	100	4.00 160	10.0 240	20.0
N-Nitrosodiphenylamine	PHN	Ave	404845	816754	1042943	46009 1708628	240920	34.0	85.0	3.40 136	8.50 204	17.0
1,2-Diphenylhydrazine	PHN	Ave	333951	660620	862584	91365 1381958	197207	20.0	50.0	80.0	5.00 120	10.0
4-Bromophenyl phenyl ether	PHN	Ave	74070	147254	185675	20285 303277	42972	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobenzene	PHN	Ave	2579 79806	4023 160186	8494 203009	21256 329911	47121	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Pentachlorophenol	PHN	Ave	85407	172705	218989	7547 386975	46929	40.0	100	4.00 160	10.0 240	20.0
Pentachloronitrobenzene	PHN	Ave	32317	61871	75512	7836 129085	20594	20.0	50.0	80.0	5.00 120	10.0
n-Octadecane	PHN	Ave	218351	456328	629121	56339 1000356	126658	20.0	50.0	80.0	5.00 120	10.0
Phenanthrene	PHN	Ave	354153	665697	845467	91525 1404024	210933	20.0	50.0	80.0	5.00 120	10.0
Anthracene	PHN	Ave	353957	665596	850764	86959 1406846	204867	20.0	50.0	80.0	5.00 120	10.0
Carbazole	PHN	Ave	291165	536224	664321	72947 1093017	171380	20.0	50.0	80.0	5.00 120	10.0
Di-n-butyl phthalate	PHN	Ave	370615	676422	864677	89990 1433514	217009	20.0	50.0	80.0	5.00 120	10.0
Fluoranthene	PHN	Ave	304574	553617	694114	70757 1135248	176557	20.0	50.0	80.0	5.00 120	10.0
Benzidine	PHN	Ave	129991	227195	304886	25190 526129	61438	20.0	50.0	80.0	5.00 120	10.0
Pyrene	CRY	Ave	306923	556011	698294	69893 1107081	176278	20.0	50.0	80.0	5.00 120	10.0
Bisphenol-A	CRY	Qua	29264	121026	163614	+++++ 288998	2137	20.0	50.0	80.0	+++++ 120	10.0
Butyl benzyl phthalate	CRY	Ave	124971	225104	283525	26865 445071	73395	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.: 460-100972-1 Analy Batch No.: 321563

SDG No.: _____

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/10/2015 01:44 Calibration End Date: 09/10/2015 05:11 Calibration ID: 52192

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		663					0.500			
Carbamazepine	CRY	Ave	72959	151077	191712	310178	45920	20.0	50.0	80.0	5.00 120	10.0
3,3'-Dichlorobenzidine	CRY	Ave	71657	134955	4890 175577	13888 274144	38197	20.0	50.0	2.00 80.0	5.00 120	10.0
Benzo[a]anthracene	CRY	Ave	8000 213366	11743 399746	21648 508796	46957 782181	128080	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	171578	311408	400862	35126 619102	99307	20.0	50.0	80.0	5.00 120	10.0
Chrysene	CRY	Ave	193155	363809	449076	41541 701429	115271	20.0	50.0	80.0	5.00 120	10.0
Di-n-octyl phthalate	PRY	Ave	235646	444854	596757	46313 895356	135597	20.0	50.0	80.0	5.00 120	10.0
Benzo[b]fluoranthene	PRY	Ave	3916 155105	6319 323092	14126 457065	36365 666314	90003	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[k]fluoranthene	PRY	Ave	4378 163666	8289 311677	15594 442759	35309 662012	96258	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[a]pyrene	PRY	Ave	3456 144735	5963 290143	12490 414914	29857 630526	83325	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Indeno[1,2,3-cd]pyrene	PRY	Qua	1880 114564	4366 256812	9213 392506	23234 641849	60965	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenz(a,h)anthracene	PRY	Qua	2059 117640	4137 248584	10252 394437	25558 607699	64229	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[g,h,i]perylene	PRY	Ave	113932	243498	398950	24981 613574	62042	20.0	50.0	80.0	5.00 120	10.0
2-Fluorophenol (Surr)	DCB	Ave	12321 199730	18248 447479	61541 728510	102700 1212786		20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Phenol-d5 (Surr)	DCB	Ave	235133	13936 534780	22063 843121	75829 1410319	127022	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene-d5	NPT	Ave	6928 225658	15268 489562	23389 765004	74259 1193904	126331	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Fluorobiphenyl	ANT	Ave	11053 338689	22374 729141	34531 1072950	113317 1647988	191670	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	2517 37792	3738 78370	11587 101043	22051 164650		20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Terphenyl-d14	CRY	Ave	6223 206421	11195 382502	16388 488262	54695 771789	115328	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.: 460-100972-1 Analy Batch No.: 321563
SDG No.: _____
Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 09/10/2015 01:44 Calibration End Date: 09/10/2015 05:11 Calibration ID: 52192

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua = Quadratic ISTD

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-100972-1 Analy Batch No.: 319112

SDG No.: _____

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/27/2015 02:51 Calibration End Date: 08/27/2015 06:16 Calibration ID: 51981

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-319112/10	L125030.D
Level 2	STD1 460-319112/9	L125029.D
Level 3	STD2 460-319112/8	L125028.D
Level 4	STD5 460-319112/7	L125027.D
Level 5	STD10 460-319112/6	L125026.D
Level 6	STD20 460-319112/5	L125025.D
Level 7	ICIS 460-319112/2	L125022.D
Level 8	STD80 460-319112/4	L125024.D
Level 9	STD120 460-319112/3	L125023.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	0.5102	0.4710	0.4754	0.6170 0.4862	0.5320	Ave		0.5153				10.6		20.0			
N-Nitrosodimethylamine	0.7618	0.7043	0.7279	0.7277 0.7434	0.8081	Ave		0.7455				4.8		20.0			
Pyridine	1.3138	1.2240	1.2577	1.2204 1.2890	1.3811	Ave		1.2810				4.8		20.0			
Phenol	1.6523	1.5804	1.6203	1.5369 1.6617	1.7482	Ave		1.6333			0.8000	4.5		20.0			
Aniline	2.0097	1.9047	1.9810	1.8465 2.0303	2.0991	Ave		1.9786				4.6		20.0			
Bis(2-chloroethyl)ether	1.3618 1.2820	1.0509 1.2575	1.2314 1.2687	1.2209 1.3050	1.3721	Ave		1.2611			0.7000	7.5		20.0			
2-Chlorophenol	1.3362	1.2961	1.3194	1.2527 1.3496	1.3970	Ave		1.3252			0.8000	3.7		20.0			
n-Decane	1.4264	1.3602	1.3173	1.4097 1.3617	1.4908	Ave		1.3943				4.4		20.0			
1,3-Dichlorobenzene	1.5309	1.4897	1.4788	1.4538 1.5344	1.5934	Ave		1.5135				3.3		20.0			
1,4-Dichlorobenzene	1.5535	1.5179	1.5173	1.4686 1.5641	1.6346	Ave		1.5426				3.6		20.0			
Benzyl alcohol	0.8304	0.8000	0.8236	0.7439 0.8421	0.8658	Ave		0.8176				5.1		20.0			
1,2-Dichlorobenzene	1.4549	1.4245	1.4243	1.3817 1.4683	1.5230	Ave		1.4461				3.3		20.0			
2-Methylphenol	1.1720	1.1212	1.1466	1.0896 1.1696	1.2312	Ave		1.1550			0.7000	4.2		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
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-100972-1 Analy Batch No.: 319112
SDG No.: _____
Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 08/27/2015 02:51 Calibration End Date: 08/27/2015 06:16 Calibration ID: 51981

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]	1.7564	1.7024	1.6984	1.6580 1.7305	1.8557	Ave		1.7335			0.0100	3.9		20.0			
N-Nitrosodi-n-propylamine	0.8710 0.8871	0.7296 0.8563	0.8553 0.8684	0.8247 0.8742	0.9383	Ave		0.8561			0.5000	6.6		20.0			
3 & 4 Methylphenol	1.3291	1.2546	1.2830	1.2144 1.2997	1.3947	Ave		1.2959				4.8		20.0			
4-Methylphenol	1.3291	1.2546	1.2830	1.2144 1.2997	1.3947	Ave		1.2959			0.6000	4.8		20.0			
Acetophenone	1.6949	1.6412	1.6562	1.5526 1.6588	1.7863	Ave		1.6650			0.0100	4.6		20.0			
Hexachloroethane	0.5807 0.5794	0.4518 0.5708	0.5513 0.5805	0.5425 0.6054	0.6053	Ave		0.5631			0.3000	8.3		20.0			
Nitrobenzene	0.4752 0.4925	0.4112 0.4654	0.4675 0.4663	0.4596 0.4815	0.5272	Ave		0.4718			0.2000	6.5		20.0			
n,n'-Dimethylaniline	1.7282 1.8977	1.6818 1.8108	1.7225 1.9069	1.6913 2.0066	2.1376	Ave		1.8426				8.5		20.0			
Isophorone	0.6072	0.5792	0.5677 0.5811	0.5659 0.5925	0.6409	Ave		0.5907			0.4000	4.5		20.0			
2-Nitrophenol	0.1724	0.1681	0.1749	0.1448 0.1799	0.1779	Ave		0.1697			0.1000	7.6		20.0			
2,4-Dimethylphenol	0.3015	0.2912	0.2922	0.2782 0.2971	0.3090	Ave		0.2949			0.2000	3.5		20.0			
Bis(2-chloroethoxy)methane	0.3947	0.3790	0.3823	0.3614 0.3893	0.4122	Ave		0.3865			0.3000	4.4		20.0			
Benzoic acid	0.0870	0.1081	0.1295	0.0204 0.1372	0.0723	Lin2	-0.561	0.1290			0.0100				0.9900		0.9900
2,4-Dichlorophenol	0.2748	0.2665	0.2706	0.2547 0.2786	0.2866	Ave		0.2720			0.2000	4.0		20.0			
1,2,4-Trichlorobenzene	0.3105 0.3154	0.2537 0.3125	0.2981 0.3122	0.3010 0.3231	0.3304	Ave		0.3063				7.2		20.0			
Naphthalene	1.0289	0.9916	0.9705	0.9816 0.9936	1.0900	Ave		1.0094			0.7000	4.4		20.0			
4-Chloroaniline	0.4123	0.3947	0.4107	0.3682 0.4163	0.4275	Ave		0.4050			0.0100	5.2		20.0			
Hexachlorobutadiene	0.1788	0.1428 0.1813	0.1716 0.1827	0.1696 0.1910	0.1903	Ave		0.1760			0.0100	8.8		20.0			
4-Chloro-3-methylphenol	0.2506	0.2374	0.2464	0.2198 0.2502	0.2580	Ave		0.2437			0.2000	5.5		20.0			
2-Methylnaphthalene	0.6609	0.6396	0.6425	0.6101 0.6595	0.6891	Ave		0.6503			0.4000	4.1		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.: 460-100972-1 Analy Batch No.: 319112
SDG No.: _____
Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 08/27/2015 02:51 Calibration End Date: 08/27/2015 06:16 Calibration ID: 51981

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	0.5728	0.5494	0.5542	0.5284 0.5661	0.5920	Ave		0.5605				3.9		20.0			
Hexachlorocyclopentadiene	0.3194	0.3171	0.3919	0.2384 0.4306	0.3172	Ave		0.3358			0.0500	20.0		20.0			
1,2,4,5-Tetrachlorobenzene	0.5877	0.6025	0.6120	0.5665 0.6346	0.6243	Ave		0.6046			0.0100	4.1		20.0			
2-tertbutyl-4-methylphenol	0.4061	0.3942	0.4099	0.3556 0.4323	0.4469	Ave		0.4075				7.8		20.0			
2,4,6-Trichlorophenol	0.3542	0.3575	0.2795 0.3619	0.3156 0.3820	0.3664	Ave		0.3453			0.2000	10.2		20.0			
2,4,5-Trichlorophenol	0.3736	0.3676	0.3791	0.3284 0.3887	0.3901	Ave		0.3712			0.2000	6.1		20.0			
1,1'-Biphenyl	1.4962	1.4826	1.4674	1.4458 1.5145	1.5871	Ave		1.4989			0.0100	3.3		20.0			
2-Chloronaphthalene	1.1538	1.1387	1.1352	1.1069 1.1688	1.2171	Ave		1.1534			0.8000	3.2		20.0			
Phenyl ether	0.7603	0.7511	0.7592	0.7230 0.7994	0.8577	Ave		0.7751				6.1		20.0			
2-Nitroaniline	0.3358	0.3196	0.3345	0.2965 0.3457	0.3534	Ave		0.3309			0.0100	6.1		20.0			
1,3-Dimethylnaphthalene	0.9515	0.9075	0.9212	0.9291 0.9762	1.0934	Ave		0.9631				7.1		20.0			
Dimethyl phthalate	1.1112	1.0742	1.0840	1.0376 1.1228	1.1657	Ave		1.0993			0.0100	4.0		20.0			
Coumarin	0.1843	0.1699	0.1828	0.1511 0.1961	0.1950	Ave		0.1798				9.5		20.0			
2,6-Dinitrotoluene	0.2414	0.1690 0.2336	0.1999 0.2469	0.2102 0.2554	0.2531	Ave		0.2262			0.2000	13.5		20.0			
Acenaphthylene	1.7665	1.6995	1.6802	1.6763 1.7191	1.8629	Ave		1.7341			0.9000	4.1		20.0			
3-Nitroaniline	0.2618	0.2426	0.2637	0.2157 0.2724	0.2677	Ave		0.2540			0.0100	8.4		20.0			
3,5-di-tert-butyl-4-hydroxytol	0.9383	0.9111	0.9766	0.8074 1.0519	1.0425	Ave		0.9546				9.5		20.0			
Acenaphthene	1.1230	1.1124	1.0813	1.0188 1.0925	1.1690	Ave		1.0995			0.9000	4.5		20.0			
2,4-Dinitrophenol	0.0868	0.1024	0.0185 0.1230	0.0339 +++++	0.0761	Qua	-0.248	0.0765	0.0002985		0.0100				1.0000		0.9900
4-Nitrophenol	0.1553	0.1481	0.1638	0.1140 0.1708	0.1523	Ave		0.1507			0.0100	13.1		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.: 460-100972-1 Analy Batch No.: 319112
SDG No.: _____
Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 08/27/2015 02:51 Calibration End Date: 08/27/2015 06:16 Calibration ID: 51981

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	0.2845	0.1650 0.2728	0.2216 0.2970	0.2293 0.3065	0.2860	Lin2	-0.130	0.2886			0.2000				0.9960		0.9900
Dibenzofuran	1.5369	1.4830	1.4817	1.4436 1.5082	1.5985	Ave		1.5087			0.8000	3.6		20.0			
2,3,4,6-Tetrachlorophenol	0.2725	0.2712	0.2884	0.2021 0.2988	0.2698	Ave		0.2671			0.0100	12.7		20.0			
Diethyl phthalate	1.0567	1.0159	1.0366	0.9769 1.0834	1.0823	Ave		1.0420			0.0100	4.0		20.0			
4-Chlorophenyl phenyl ether	0.5700	0.5689	0.5777	0.5266 0.5973	0.5889	Ave		0.5716			0.4000	4.3		20.0			
Fluorene	1.2223	1.1951	1.2062	1.1259 1.2441	1.2742	Ave		1.2113			0.9000	4.2		20.0			
4-Nitroaniline	0.2359	0.2216	0.2422	0.1885 0.2560	0.2333	Ave		0.2296			0.0100	10.1		20.0			
4,6-Dinitro-2-methylphenol	0.0943	0.1029	0.0329 0.1153	0.0466 0.1221	0.0882	Qua	-0.380	0.0994	0.0001026		0.0100				1.0000		0.9900
N-Nitrosodiphenylamine	0.6976	0.6922	0.6316 0.6898	0.6504 0.7065	0.7325	Ave		0.6858			0.0100	5.0		20.0			
1,2-Diphenylhydrazine	0.8495	0.8299	0.8029	0.8024 0.8189	0.9023	Ave		0.8343				4.5		20.0			
4-Bromophenyl phenyl ether	0.2390	0.2400	0.2408	0.2235 0.2485	0.2487	Ave		0.2401			0.1000	3.8		20.0			
Hexachlorobenzene	0.2825 0.2830	0.2192 0.2838	0.2466 0.2850	0.2659 0.2971	0.2937	Ave		0.2730			0.1000	9.3		20.0			
Pentachlorophenol	0.1440	0.1517	0.0716 0.1638	0.0973 0.1750	0.1420	Lin2	-0.391	0.1600			0.0500				0.9910		0.9900
Pentachloronitrobenzene	0.0886	0.0831	0.0886	0.0786 0.0981	0.0990	Ave		0.0893			0.0100	9.0		20.0			
n-Octadecane	0.5558	0.5699	0.5435	0.5041 0.5485	0.5647	Ave		0.5478				4.3		20.0			
Phenanthrene	1.1079	1.0698	1.0633	1.0441 1.1080	1.1440	Ave		1.0895			0.7000	3.4		20.0			
Anthracene	1.1082	1.0697	1.0792	1.0039 1.1276	1.1405	Ave		1.0882			0.7000	4.5		20.0			
Carbazole	0.9160	0.8766	0.8901	0.8481 0.9414	0.9550	Ave		0.9045			0.0100	4.5		20.0			
Di-n-butyl phthalate	1.0861	1.0864	1.0876	1.0024 1.1585	1.1141	Ave		1.0892			0.0100	4.7		20.0			
Fluoranthene	0.9622	0.9539	0.9747	0.9240 1.0597	0.9959	Ave		0.9784			0.6000	4.7		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.: 460-100972-1 Analy Batch No.: 319112
SDG No.: _____
Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 08/27/2015 02:51 Calibration End Date: 08/27/2015 06:16 Calibration ID: 51981

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	0.4105	0.4211	0.5063	0.3212 0.6189	0.3447	Qua	0.6067	0.2743	0.0028235						1.0000		0.9900
Pyrene	1.5340	1.2946	1.2737	1.3717 1.1936	1.6105	Ave		1.3797			0.6000	11.7		20.0			
Bisphenol-A	0.3966	0.3918	0.4530	0.3191 0.4568	0.3905	Ave		0.4013				12.6		20.0			
Butyl benzyl phthalate	0.5404	0.5200	0.5124	0.4781 0.5092	0.5460	Ave		0.5177			0.0100	4.7		20.0			
2,3,7,8-TCDD		0.1369				Ave		0.1369						20.0			
Carbamazepine	0.3858	0.4176	0.4519	0.2782 0.4922	0.4012	Lin2	-0.901	0.4632			0.0100				0.9940		0.9900
3,3'-Dichlorobenzidine	0.4099	0.4256	0.2780 0.4335	0.3105 0.4504	0.3671	Ave		0.3821			0.0100	17.3		20.0			
Benzo[a]anthracene	1.2728 1.1279	0.9704 1.0964	1.0683 1.0753	1.0636 1.0960	1.1824	Ave		1.1059			0.8000	7.6		20.0			
Bis(2-ethylhexyl) phthalate	0.7340	0.7515	0.7427	0.6643 0.7447	0.7440	Ave		0.7302			0.0100	4.5		20.0			
Chrysene	1.0277	0.9957	0.9840	0.9812 0.9936	1.0384	Ave		1.0035			0.7000	2.4		20.0			
Di-n-octyl phthalate	1.2352	1.2841	1.2033	1.0658 1.2152	1.2268	Ave		1.2051			0.0100	6.1		20.0			
Benzo[b]fluoranthene	0.8181 1.1046	0.7527 1.1367	0.9760 1.0998	1.0129 1.1324	1.1377	Ave		1.0190			0.7000	14.2		20.0			
Benzo[k]fluoranthene	1.0535 1.1465	0.8536 1.1249	1.0485 1.1269	0.9967 1.1721	1.1482	Ave		1.0745			0.7000	9.4		20.0			
Benzo[a]pyrene	0.7533 1.0711	0.6848 1.0927	0.9062 1.0983	0.9618 1.1261	1.0994	Ave		0.9771			0.7000	16.8		20.0			
Indeno[1,2,3-cd]pyrene	0.5873 1.2867	0.6789 1.2316	1.0315 1.3446	1.0922 1.3976	1.2631	Lin2	-0.402	1.2751			0.5000				0.9910		0.9900
Dibenz(a,h)anthracene	0.6743 1.2506	0.7236 1.2238	1.0271 1.2687	1.0962 1.3078	1.2939	Lin2	-0.336	1.2415			0.4000				0.9930		0.9900
Benzo[g,h,i]perylene	1.2817	1.2295	1.2665	1.1747 1.2849	1.3354	Ave		1.2621			0.5000	4.3		20.0			
2-Fluorophenol (Surr)	1.3033	1.3205 1.2753	1.0476 1.3061	1.4089 1.3068	1.3044	Ave		1.2841				8.0		20.0			
Phenol-d5 (Surr)	1.5370	1.5983 1.4859	1.2489 1.5443	1.6515 1.5226	1.5689	Ave		1.5197				7.9		20.0			
Nitrobenzene-d5	0.3555 0.3467	0.3680 0.3360	0.2859 0.3431	0.3814 0.3419	0.3514	Ave		0.3456				7.6		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.: 460-100972-1 Analy Batch No.: 319112
SDG No.: _____
Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 08/27/2015 02:51 Calibration End Date: 08/27/2015 06:16 Calibration ID: 51981

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	1.3696 1.3205	1.4010 1.3255	1.0995 1.3387	1.4606 1.3405	1.3589	Ave		1.3350				7.4		20.0			
2,4,6-Tribromophenol (Surr)	0.1971	0.1091 0.2008	0.1076 0.2166	0.1790 0.2214	0.1932	Qua	-0.127	0.1985	0.0002048						1.0000		0.9900
Terphenyl-d14	0.8662 1.0445	0.9231 0.9374	0.8374 0.9463	1.0623 0.8762	1.0475	Ave		0.9490				8.9		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
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-100972-1 Analy Batch No.: 319112

SDG No.: _____

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/27/2015 02:51 Calibration End Date: 08/27/2015 06:16 Calibration ID: 51981

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-319112/10	L125030.D
Level 2	STD1 460-319112/9	L125029.D
Level 3	STD2 460-319112/8	L125028.D
Level 4	STD5 460-319112/7	L125027.D
Level 5	STD10 460-319112/6	L125026.D
Level 6	STD20 460-319112/5	L125025.D
Level 7	ICIS 460-319112/2	L125022.D
Level 8	STD80 460-319112/4	L125024.D
Level 9	STD120 460-319112/3	L125023.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	29076	56540	98731	6995 122402	21029	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodimethylamine	DCB	Ave	43411	84542	151158	8250 187146	31942	20.0	50.0	80.0	5.00 120	10.0
Pyridine	DCB	Ave	74869	146928	261177	13836 324490	54590	20.0	50.0	80.0	5.00 120	10.0
Phenol	DCB	Ave	94155	189700	336491	17424 418299	69102	20.0	50.0	80.0	5.00 120	10.0
Aniline	DCB	Ave	114523	228629	411392	20934 511081	82972	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethyl)ether	DCB	Ave	1773 73052	2705 150944	7478 263476	13841 328512	54234	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Chlorophenol	DCB	Ave	76144	155583	274001	14202 339736	55218	20.0	50.0	80.0	5.00 120	10.0
n-Decane	DCB	Ave	81281	163269	273556	15982 342790	58927	20.0	50.0	80.0	5.00 120	10.0
1,3-Dichlorobenzene	DCB	Ave	87236	178821	307098	16481 386266	62982	20.0	50.0	80.0	5.00 120	10.0
1,4-Dichlorobenzene	DCB	Ave	88524	182202	315094	16649 393727	64609	20.0	50.0	80.0	5.00 120	10.0
Benzyl alcohol	DCB	Ave	47320	96029	171031	8434 211976	34223	20.0	50.0	80.0	5.00 120	10.0
1,2-Dichlorobenzene	DCB	Ave	82906	170986	295775	15664 369610	60199	20.0	50.0	80.0	5.00 120	10.0
2-Methylphenol	DCB	Ave	66788	134588	238116	12353 294420	48665	20.0	50.0	80.0	5.00 120	10.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	100086	204345	352698	18796 435622	73351	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.: 460-100972-1 Analy Batch No.: 319112

SDG No.: _____

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/27/2015 02:51 Calibration End Date: 08/27/2015 06:16 Calibration ID: 51981

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 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
N-Nitrosodi-n-propylamine	DCB	Ave	1134 50553	1878 102788	5194 180345	9350 220074	37089	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
3 & 4 Methylphenol	DCB	Ave	75738	150599	266429	13768 327163	55130	20.0	50.0	80.0	5.00 120	10.0
4-Methylphenol	DCB	Ave	75738	150599	266429	13768 327163	55130	20.0	50.0	80.0	5.00 120	10.0
Acetophenone	DCB	Ave	96582	196997	343945	17602 417562	70609	20.0	50.0	80.0	5.00 120	10.0
Hexachloroethane	DCB	Ave	756 33016	1163 68512	3348 120541	6150 152388	23925	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene	NPT	Ave	2219 100972	3726 200989	10018 354902	18296 440784	74569	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
n,n'-Dimethylaniline	DCB	Ave	2250 108143	4329 217360	10460 396008	19174 505114	84494	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Isophorone	NPT	Ave	124467	250172	12166 442270	22529 542414	90648	20.0	50.0	2.00 80.0	5.00 120	10.0
2-Nitrophenol	NPT	Ave	35340	72610	133088	5766 164676	25161	20.0	50.0	80.0	5.00 120	10.0
2,4-Dimethylphenol	NPT	Ave	61801	125754	222399	11075 271965	43700	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	80906	163697	290963	14385 356395	58296	20.0	50.0	80.0	5.00 120	10.0
Benzoic acid	NPT	Lin2	17825	46708	98544	814 125608	10221	20.0	50.0	80.0	5.00 120	10.0
2,4-Dichlorophenol	NPT	Ave	56341	115119	205962	10139 255061	40534	20.0	50.0	80.0	5.00 120	10.0
1,2,4-Trichlorobenzene	NPT	Ave	1450 64663	2299 134981	6388 237639	11984 295785	46722	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Naphthalene	NPT	Ave	210926	428280	738664	39074 909519	154165	20.0	50.0	80.0	5.00 120	10.0
4-Chloroaniline	NPT	Ave	84523	170468	312609	14658 381087	60458	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobutadiene	NPT	Ave	36645	1294 78289	3677 139056	6751 174863	26908	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
4-Chloro-3-methylphenol	NPT	Ave	51383	102537	187522	8750 228999	36482	20.0	50.0	80.0	5.00 120	10.0
2-Methylnaphthalene	NPT	Ave	135491	276230	488984	24285 603726	97464	20.0	50.0	80.0	5.00 120	10.0
1-Methylnaphthalene	NPT	Ave	117417	237298	421821	21035 518241	83720	20.0	50.0	80.0	5.00 120	10.0
Hexachlorocyclopentadiene	ANT	Ave	32917	66887	149576	4505 197257	21964	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.: 460-100972-1 Analy Batch No.: 319112

SDG No.: _____

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/27/2015 02:51 Calibration End Date: 08/27/2015 06:16 Calibration ID: 51981

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	60555	127099	233574	10706 290717	43221	20.0	50.0	80.0	5.00 120	10.0
2-tertbutyl-4-methylphenol	NPT	Ave	83250	170235	312002	14157 395745	63203	20.0	50.0	80.0	5.00 120	10.0
2,4,6-Trichlorophenol	ANT	Ave	36502	75417	2862 138122	5965 175001	25371	20.0	50.0	2.00 80.0	5.00 120	10.0
2,4,5-Trichlorophenol	ANT	Ave	38495	77552	144665	6206 178098	27007	20.0	50.0	80.0	5.00 120	10.0
1,1'-Biphenyl	ANT	Ave	154170	312755	560032	27323 693853	109883	20.0	50.0	80.0	5.00 120	10.0
2-Chloronaphthalene	ANT	Ave	118896	240216	433221	20918 535477	84267	20.0	50.0	80.0	5.00 120	10.0
Phenyl ether	ANT	Ave	78342	158438	289753	13663 366241	59382	20.0	50.0	80.0	5.00 120	10.0
2-Nitroaniline	ANT	Ave	34601	67426	127652	5604 158375	24466	20.0	50.0	80.0	5.00 120	10.0
1,3-Dimethylnaphthalene	ANT	Ave	98043	191450	351562	17558 447238	75702	20.0	50.0	80.0	5.00 120	10.0
Dimethyl phthalate	ANT	Ave	114501	226607	413716	19609 514413	80705	20.0	50.0	80.0	5.00 120	10.0
Coumarin	NPT	Ave	37786	73372	139096	6014 179481	27576	20.0	50.0	80.0	5.00 120	10.0
2,6-Dinitrotoluene	ANT	Ave	24879	708 49287	2047 94227	3973 116997	17521	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Acenaphthylene	ANT	Ave	182029	358512	641245	31679 787605	128980	20.0	50.0	80.0	5.00 120	10.0
3-Nitroaniline	ANT	Ave	26980	51173	100651	4077 124819	18536	20.0	50.0	80.0	5.00 120	10.0
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	96688	192197	372714	15258 481933	72177	20.0	50.0	80.0	5.00 120	10.0
Acenaphthene	ANT	Ave	115722	234667	412680	19253 500503	80938	20.0	50.0	80.0	5.00 120	10.0
2,4-Dinitrophenol	ANT	Qua	17878	43215	378 93917	1281 +++++	10539	40.0	100	4.00 160	10.0 +++++	20.0
4-Nitrophenol	ANT	Ave	32003	62493	125003	4308 156531	21091	40.0	100	160	10.0 240	20.0
2,4-Dinitrotoluene	ANT	Lin2	29318	691 57539	2269 113337	4334 140422	19803	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenzofuran	ANT	Ave	158363	312845	565475	27282 690991	110675	20.0	50.0	80.0	5.00 120	10.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	28080	57218	110061	3820 136887	18680	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.: 460-100972-1 Analy Batch No.: 319112

SDG No.: _____

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/27/2015 02:51 Calibration End Date: 08/27/2015 06:16 Calibration ID: 51981

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	108887	214311	395598	18461 496330	74935	20.0	50.0	80.0	5.00 120	10.0
4-Chlorophenyl phenyl ether	ANT	Ave	58737	120020	220459	9951 273662	40776	20.0	50.0	80.0	5.00 120	10.0
Fluorene	ANT	Ave	125949	252103	460329	21277 569979	88222	20.0	50.0	80.0	5.00 120	10.0
4-Nitroaniline	ANT	Ave	24309	46738	92450	3562 117285	16156	20.0	50.0	80.0	5.00 120	10.0
4,6-Dinitro-2-methylphenol	PHN	Qua	26488	57816	120526	918 2362	16353	40.0	100	4.00 160	10.0 240	20.0
N-Nitrosodiphenylamine	PHN	Ave	166550	330429	14969 612874	28023 756532	115383	34.0	85.0	3.40 136	8.50 204	17.0
1,2-Diphenylhydrazine	PHN	Ave	119297	233033	419656	20337 515868	83605	20.0	50.0	80.0	5.00 120	10.0
4-Bromophenyl phenyl ether	PHN	Ave	33566	67389	125859	5665 156551	23040	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobenzene	PHN	Ave	817 39737	1192 79702	3438 148951	6740 187146	27211	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Pentachlorophenol	PHN	Lin2	40447	85225	1997 171231	4930 220500	26312	40.0	100	4.00 160	10.0 240	20.0
Pentachloronitrobenzene	PHN	Ave	12441	23346	46304	1992 61802	9174	20.0	50.0	80.0	5.00 120	10.0
n-Octadecane	PHN	Ave	78047	160039	284080	12777 345513	52326	20.0	50.0	80.0	5.00 120	10.0
Phenanthrene	PHN	Ave	155575	300400	555760	26461 697921	105999	20.0	50.0	80.0	5.00 120	10.0
Anthracene	PHN	Ave	155622	300368	564028	25442 710300	105668	20.0	50.0	80.0	5.00 120	10.0
Carbazole	PHN	Ave	128629	246163	465221	21494 592989	88482	20.0	50.0	80.0	5.00 120	10.0
Di-n-butyl phthalate	PHN	Ave	152516	305080	568455	25406 729756	103224	20.0	50.0	80.0	5.00 120	10.0
Fluoranthene	PHN	Ave	135126	267851	509403	23419 667505	92272	20.0	50.0	80.0	5.00 120	10.0
Benzidine	PHN	Qua	57653	118262	264629	8141 389866	31940	20.0	50.0	80.0	5.00 120	10.0
Pyrene	CRY	Ave	135890	270521	510416	23644 672295	92325	20.0	50.0	80.0	5.00 120	10.0
Bisphenol-A	CRY	Ave	35133	81879	181529	5500 257280	22386	20.0	50.0	80.0	5.00 120	10.0
Butyl benzyl phthalate	CRY	Ave	47873	108663	205328	8241 286835	31298	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.: 460-100972-1 Analy Batch No.: 319112

SDG No.: _____

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/27/2015 02:51 Calibration End Date: 08/27/2015 06:16 Calibration ID: 51981

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		286					0.500			
Carbamazepine	CRY	Lin2	34177	87259	181109	277237	22997	20.0	50.0	80.0	5.00 120	10.0
3,3'-Dichlorobenzidine	CRY	Ave	36309	88940	2415 173739	5352 253678	21044	20.0	50.0	2.00 80.0	5.00 120	10.0
Benzo[a]anthracene	CRY	Ave	2451 99920	3717 229105	9280 430905	18334 617370	67784	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	65023	157047	297622	11451 419466	42651	20.0	50.0	80.0	5.00 120	10.0
Chrysene	CRY	Ave	91039	208076	394338	16914 559688	59528	20.0	50.0	80.0	5.00 120	10.0
Di-n-octyl phthalate	PRY	Ave	100272	259731	489462	17633 711081	66171	20.0	50.0	80.0	5.00 120	10.0
Benzo[b]fluoranthene	PRY	Ave	1439 89676	2694 229917	7229 447356	16758 662631	61361	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[k]fluoranthene	PRY	Ave	1853 93074	3055 227515	7766 458374	16490 685833	61930	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[a]pyrene	PRY	Ave	1325 86952	2451 221013	6712 446771	15913 658935	59297	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Indeno[1,2,3-cd]pyrene	PRY	Lin2	1033 104458	2430 249104	7640 546953	18069 817826	68129	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenz(a,h)anthracene	PRY	Lin2	1186 101530	2590 247534	7608 516077	18136 765268	69787	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[g,h,i]perylene	PRY	Ave	104050	248681	515189	19435 751843	72029	20.0	50.0	80.0	5.00 120	10.0
2-Fluorophenol (Surr)	DCB	Ave	74270	3399 153084	6362 271237	15973 328953	51558	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Phenol-d5 (Surr)	DCB	Ave	87588	4114 178357	7584 320710	18723 383295	62014	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene-d5	NPT	Ave	1660 71077	3335 145101	6128 261112	15183 312990	49700	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Fluorobiphenyl	ANT	Ave	3050 136064	5868 279620	11258 510918	27603 614158	94085	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2,4,6-Tribromophenol (Surr)	ANT	Qua	457 20312	1102 42365	3383 82659	13378 101445		20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Terphenyl-d14	CRY	Ave	1668 92529	3536 195882	7274 379201	18312 493530	60049	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.: 460-100972-1 Analy Batch No.: 319112
SDG No.: _____
Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 08/27/2015 02:51 Calibration End Date: 08/27/2015 06:16 Calibration ID: 51981

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua = Quadratic ISTD

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-100972-1 Analy Batch No.: 320549

SDG No.: _____

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/03/2015 01:41 Calibration End Date: 09/03/2015 05:11 Calibration ID: 52108

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-320549/10	x6002.D
Level 2	STD1 460-320549/9	x6001.D
Level 3	STD2 460-320549/8	x6000.D
Level 4	STD5 460-320549/7	x5999.D
Level 5	STD10 460-320549/6	x5998.D
Level 6	STD20 460-320549/5	x5997.D
Level 7	ICIS 460-320549/2	x5994.D
Level 8	STD80 460-320549/4	x5996.D
Level 9	STD120 460-320549/3	x5995.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	0.5082	0.4619	0.4775	0.4465 0.5216	0.4722	Ave		0.4813				5.9		20.0			
N-Nitrosodimethylamine	0.7457	0.6628	0.6799	0.6425 0.7181	0.6987	Ave		0.6913				5.4		20.0			
Pyridine	1.3252	1.1716	1.2169	1.1282 1.2852	1.2348	Ave		1.2270				5.9		20.0			
Phenol	1.5411	1.5270	1.5810	1.3537 1.6838	1.5298	Ave		1.5361			0.8000	7.0		20.0			
Aniline	1.8684	1.8170	1.8459	1.6574 1.9629	1.8797	Ave		1.8386				5.5		20.0			
Bis(2-chloroethyl)ether	1.1461 1.1922	0.9998 1.1470	1.1102 1.1785	1.0487 1.2687	1.1828	Ave		1.1415			0.7000	7.0		20.0			
2-Chlorophenol	1.3351	1.2982	1.3015	1.2039 1.3661	1.3524	Ave		1.3095			0.8000	4.5		20.0			
n-Decane	1.3613	1.3870	1.3936	1.2875 1.4175	1.4258	Ave		1.3788				3.6		20.0			
1,3-Dichlorobenzene	1.4865	1.4640	1.4947	1.3858 1.5793	1.5180	Ave		1.4881				4.3		20.0			
1,4-Dichlorobenzene	1.5194	1.5062	1.5393	1.4028 1.6566	1.5810	Ave		1.5342				5.5		20.0			
Benzyl alcohol	0.7495	0.7337	0.7345	0.6839 0.7931	0.7743	Ave		0.7448				5.1		20.0			
1,2-Dichlorobenzene	1.4158	1.3905	1.4145	1.3029 1.5345	1.4526	Ave		1.4185				5.3		20.0			
2-Methylphenol	1.0796	1.0604	1.0460	1.0012 1.1080	1.1176	Ave		1.0688			0.7000	4.0		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.: 460-100972-1 Analy Batch No.: 320549
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 09/03/2015 01:41 Calibration End Date: 09/03/2015 05:11 Calibration ID: 52108

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]	1.4605	1.4372	1.4267	1.3399 1.4721	1.4826	Ave		1.4365			0.0100	3.6		20.0			
Acetophenone	1.6372	1.6036	1.6050	1.4437 1.6992	1.6682	Ave		1.6095			0.0100	5.5		20.0			
N-Nitrosodi-n-propylamine	0.8224 0.8182	0.6474 0.7885	0.7140 0.7838	0.7141 0.8150	0.8324	Ave		0.7707			0.5000	8.3		20.0			
3 & 4 Methylphenol	1.2547	1.2444	1.2293	1.0994 1.2987	1.2874	Ave		1.2356				5.8		20.0			
4-Methylphenol	1.2547	1.2444	1.2293	1.0994 1.2987	1.2874	Ave		1.2356			0.6000	5.8		20.0			
Hexachloroethane	0.5427 0.5515	0.4592 0.5462	0.5227 0.5530	0.5204 0.5752	0.5662	Ave		0.5375			0.3000	6.4		20.0			
Nitrobenzene	0.4668 0.4981	0.4230 0.4964	0.4511 0.5062	0.4574 0.5278	0.5175	Ave		0.4827			0.2000	7.2		20.0			
n,n'-Dimethylaniline	1.8648 1.9249	1.7699 1.9592	1.7710 1.9490	1.6436 2.1520	2.0749	Ave		1.9010				8.3		20.0			
Isophorone	0.5534	0.5381	0.5052 0.5482	0.4981 0.5083	0.5795	Ave		0.5330			0.4000	5.6		20.0			
2-Nitrophenol	0.1907	0.1820	0.1895	0.1636 0.2017	0.1912	Ave		0.1864			0.1000	6.9		20.0			
2,4-Dimethylphenol	0.2944	0.2888	0.2891	0.2755 0.3000	0.3044	Ave		0.2920			0.2000	3.5		20.0			
Bis(2-chloroethoxy)methane	0.3543	0.3489	0.3518	0.3158 0.3671	0.3643	Ave		0.3504			0.3000	5.2		20.0			
Benzoic acid	0.1638	0.1602	0.1714	0.0655 0.1799	0.1523	Lin2	-0.535	0.1837			0.0100				0.9920		0.9900
2,4-Dichlorophenol	0.2711	0.2676	0.2741	0.2443 0.2908	0.2823	Ave		0.2717			0.2000	5.8		20.0			
1,2,4-Trichlorobenzene	0.3434 0.3193	0.2601 0.3098	0.3005 0.3161	0.2936 0.3374	0.3256	Ave		0.3118				8.1		20.0			
Naphthalene	1.0006	1.0039	1.0234	0.9334 1.0954	1.0251	Ave		1.0136			0.7000	5.1		20.0			
4-Chloroaniline	0.4020	0.3969	0.4178	0.3579 0.4414	0.4154	Ave		0.4052			0.0100	6.9		20.0			
Hexachlorobutadiene	0.1801	0.1550 0.1794	0.1848 0.1821	0.1769 0.1985	0.1916	Ave		0.1811			0.0100	7.0		20.0			
4-Chloro-3-methylphenol	0.2435	0.2378	0.2484	0.2155 0.2540	0.2531	Ave		0.2421			0.2000	5.9		20.0			
2-Methylnaphthalene	0.6480	0.6525	0.6734	0.5886 0.7146	0.6739	Ave		0.6585			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.: 460-100972-1 Analy Batch No.: 320549
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 09/03/2015 01:41 Calibration End Date: 09/03/2015 05:11 Calibration ID: 52108

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	0.5532	0.5506	0.5730	0.4957 0.5992	0.5774	Ave		0.5582				6.3		20.0			
Hexachlorocyclopentadiene	0.3973	0.4391	0.4282	0.3332 0.4750	0.3920	Ave		0.4108			0.0500	11.8		20.0			
1,2,4,5-Tetrachlorobenzene	0.6062	0.6048	0.6122	0.5707 0.6576	0.6045	Ave		0.6093			0.0100	4.6		20.0			
2-tertbutyl-4-methylphenol	0.4269	0.4352	0.4417	0.3777 0.4830	0.4843	Ave		0.4415				9.0		20.0			
2,4,6-Trichlorophenol	0.3831	0.3679	0.3108 0.3812	0.3235 0.4113	0.3986	Ave		0.3681			0.2000	10.2		20.0			
2,4,5-Trichlorophenol	0.3784	0.3757	0.3828	0.3461 0.3770	0.3876	Ave		0.3746			0.2000	3.9		20.0			
1,1'-Biphenyl	1.5471	1.5543	1.5845	1.4182 1.6990	1.5714	Ave		1.5624			0.0100	5.7		20.0			
2-Chloronaphthalene	1.1872	1.1712	1.1794	1.0828 1.2392	1.2073	Ave		1.1779			0.8000	4.5		20.0			
Phenyl ether	0.7891	0.8045	0.8014	0.7060 0.8739	0.8523	Ave		0.8045				7.3		20.0			
2-Nitroaniline	0.3773	0.3700	0.3771	0.3335 0.2776	0.3920	Ave		0.3546			0.0100	12.0		20.0			
1,3-Dimethylnaphthalene	1.0035	0.9835	0.9791	0.9034 1.0550	1.1004	Ave		1.0041				6.8		20.0			
Dimethyl phthalate	1.1191	1.1043	1.1284	1.0115 1.1166	1.1966	Ave		1.1127			0.0100	5.3		20.0			
Coumarin	0.1716	0.1705	0.1758	0.1503 0.1735	0.1988	Ave		0.1734				8.9		20.0			
2,6-Dinitrotoluene	0.2692	0.1733 0.2604	0.2252 0.2705	0.2377 0.2662	0.2798	Lin2	-0.097	0.2706			0.2000				0.9980		0.9900
Acenaphthylene	1.7501	1.7326	1.7646	1.5847 1.8204	1.8055	Ave		1.7430			0.9000	4.8		20.0			
3-Nitroaniline	0.2827	0.2716	0.2774	0.2424 0.2633	0.3005	Ave		0.2730			0.0100	7.2		20.0			
3,5-di-tert-butyl-4-hydroxytol	1.1149	1.1711	1.1404	0.9640 1.2749	1.2266	Ave		1.1487				9.4		20.0			
Acenaphthene	1.1817	1.1247	1.1500	1.0456 1.1668	1.2447	Ave		1.1523			0.9000	5.7		20.0			
2,4-Dinitrophenol	0.1426	0.1509	0.0287 0.1716	0.0652 +++++	0.1350	Qua	-0.337	0.1317	0.0002589		0.0100				0.9990		0.9900
4-Nitrophenol	0.1851	0.1776	0.1866	0.1554 0.1668	0.1911	Ave		0.1771			0.0100	7.7		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.: 460-100972-1 Analy Batch No.: 320549
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 09/03/2015 01:41 Calibration End Date: 09/03/2015 05:11 Calibration ID: 52108

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	0.3256	0.1971 0.3151	0.2752 0.3296	0.2910 +++++	0.3426	Lin2	-0.131	0.3318			0.2000				0.9980		0.9900
Dibenzofuran	1.4904	1.5008	1.5304	1.3964 1.5792	1.5722	Ave		1.5116			0.8000	4.4		20.0			
2,3,4,6-Tetrachlorophenol	0.2833	0.2743	0.2872	0.2321 0.2816	0.3045	Ave		0.2772			0.0100	8.7		20.0			
Diethyl phthalate	1.0325	1.0183	1.0481	0.9633 1.0469	1.1228	Ave		1.0386			0.0100	5.0		20.0			
4-Chlorophenyl phenyl ether	0.5770	0.5864	0.6022	0.5285 0.6242	0.6056	Ave		0.5873			0.4000	5.6		20.0			
Fluorene	1.2276	1.2566	1.2791	1.1138 1.3011	1.2911	Ave		1.2449			0.9000	5.6		20.0			
4-Nitroaniline	0.2601	0.2463	0.2096	0.2226 0.1945	0.2797	Ave		0.2355			0.0100	13.7		20.0			
4,6-Dinitro-2-methylphenol	0.1366	0.1380	0.0666 0.1480	0.0890 0.1523	0.1301	Lin2	-0.345	0.1449			0.0100				0.9930		0.9900
N-Nitrosodiphenylamine	0.7272	0.7733	0.6827 0.7748	0.6931 0.8427	0.7438	Ave		0.7482			0.0100	7.3		20.0			
1,2-Diphenylhydrazine	0.7838	0.8130	0.8129	0.7469 0.8442	0.7982	Ave		0.7998				4.1		20.0			
4-Bromophenyl phenyl ether	0.2310	0.2389	0.2480	0.2283 0.2659	0.2400	Ave		0.2420			0.1000	5.6		20.0			
Hexachlorobenzene	0.2895 0.2528	0.2088 0.2611	0.2404 0.2664	0.2381 0.2853	0.2662	Ave		0.2565			0.1000	9.8		20.0			
Pentachlorophenol	0.1507	0.1579	0.1050 0.1651	0.1256 0.1743	0.1548	Ave		0.1476			0.0500	16.3		20.0			
Pentachloronitrobenzene	0.0983	0.0945	0.0956	0.0941 0.1035	0.1156	Ave		0.1003			0.0100	8.3		20.0			
n-Octadecane	0.5128	0.5512	0.5673	0.4628 0.6114	0.5106	Ave		0.5360				9.7		20.0			
Phenanthrene	1.1014	1.1103	1.1514	1.0444 1.1991	1.1347	Ave		1.1236			0.7000	4.6		20.0			
Anthracene	1.1066	1.1198	1.1573	1.0341 1.2100	1.1496	Ave		1.1296			0.7000	5.2		20.0			
Carbazole	0.9329	0.8958	0.9110	0.8753 0.9204	0.9784	Ave		0.9189			0.0100	3.8		20.0			
Di-n-butyl phthalate	1.0936	1.0707	1.1151	1.0108 1.1376	1.1431	Ave		1.0951			0.0100	4.5		20.0			
Fluoranthene	1.0155	0.9448	0.9390	0.8958 0.9779	1.0376	Ave		0.9684			0.6000	5.4		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.: 460-100972-1 Analy Batch No.: 320549
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 09/03/2015 01:41 Calibration End Date: 09/03/2015 05:11 Calibration ID: 52108

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	0.5184	0.4441	0.4573	0.4114 0.4739	0.4273	Ave		0.4554				8.3		20.0			
Pyrene	1.4821	1.6193	1.7268	1.4444 1.7180	1.6676	Ave		1.6097			0.6000	7.5		20.0			
Bisphenol-A	0.5325	0.5307	0.5960	0.5862 0.5912	0.5447	Ave		0.5636				5.5		20.0			
Butyl benzyl phthalate	0.5708	0.5925	0.6134	0.5291 0.6025	0.6155	Ave		0.5873			0.0100	5.6		20.0			
2,3,7,8-TCDD		0.1233				Ave		0.1233						20.0			
Carbamazepine	0.3967	0.3875	0.4056	0.3024 0.4332	0.4091	Ave		0.3891				11.6		20.0			
3,3'-Dichlorobenzidine	0.4072	0.3892	0.3327 0.3974	0.3482 0.4089	0.3565	Ave		0.3772			0.0100	8.2		20.0			
Benzo[a]anthracene	1.3664 1.1589	1.0229 1.1173	1.1097 1.1454	1.0806 1.1545	1.1971	Ave		1.1503			0.8000	8.3		20.0			
Bis(2-ethylhexyl) phthalate	0.8217	0.8146	0.8489	0.7406 0.8411	0.8363	Ave		0.8172			0.0100	4.8		20.0			
Chrysene	1.0525	1.0234	1.0058	0.9915 1.0283	1.0883	Ave		1.0316			0.7000	3.4		20.0			
Di-n-octyl phthalate	1.6756	1.7035	1.7370	1.3822 1.6927	1.7251	Ave		1.6527			0.0100	8.1		20.0			
Benzo[b]fluoranthene	1.2851 1.1830	0.9650 1.1791	1.0812 1.1795	1.0819 1.2052	1.2090	Ave		1.1521			0.7000	8.2		20.0			
Benzo[k]fluoranthene	1.3401 1.3182	1.1240 1.2589	1.2309 1.2581	1.1152 1.2964	1.3636	Ave		1.2562			0.7000	7.0		20.0			
Benzo[a]pyrene	1.0439 1.0805	0.8710 1.0618	0.9649 1.0814	0.9537 1.1146	1.1229	Ave		1.0327			0.7000	8.2		20.0			
Indeno[1,2,3-cd]pyrene	0.5881 0.7398	0.6000 0.8478	0.5447 0.8599	0.6429 0.9380	0.7286	Ave		0.7211			0.5000	19.1		20.0			
Dibenz(a,h)anthracene	0.6882 0.7990	0.5900 0.8505	0.5858 0.9023	0.6502 0.9601	0.7646	Ave		0.7545			0.4000	17.9		20.0			
Benzo[g,h,i]perylene	0.7458	0.8265	0.8760	0.7201 0.9348	0.7427	Ave		0.8076			0.5000	10.6		20.0			
2-Fluorophenol (Surr)	1.2487 1.2287	1.2487 1.2178	0.9904 1.2667	1.3304 1.2936	1.1821	Ave		1.2198				8.5		20.0			
Phenol-d5 (Surr)	1.3994	1.4445 1.3806	1.1119 1.4293	1.5057 1.4605	1.3594	Ave		1.3864				8.7		20.0			
Nitrobenzene-d5	0.3406 0.3481	0.3488 0.3442	0.3488 0.3584	0.2717 0.3612	0.3458	Ave		0.3443				8.6		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.: 460-100972-1 Analy Batch No.: 320549

SDG No.: _____

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/03/2015 01:41 Calibration End Date: 09/03/2015 05:11 Calibration ID: 52108

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	1.3887 1.3696	1.3830 1.3788	1.0790 1.4200	1.5053 1.4640	1.3441	Ave		1.3703				8.8		20.0			
2,4,6-Tribromophenol (Surr)	0.1745	0.1454 0.1688	0.1346 0.1747	0.1859 0.1680	0.1847	Ave		0.1671				10.9		20.0			
Terphenyl-d14	1.1597 1.0320	1.1240 1.1624	0.8511 1.2487	1.1961 1.2211	1.1038	Ave		1.1221				10.7		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.: 460-100972-1 Analy Batch No.: 320549

SDG No.: _____

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/03/2015 01:41 Calibration End Date: 09/03/2015 05:11 Calibration ID: 52108

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-320549/10	x6002.D
Level 2	STD1 460-320549/9	x6001.D
Level 3	STD2 460-320549/8	x6000.D
Level 4	STD5 460-320549/7	x5999.D
Level 5	STD10 460-320549/6	x5998.D
Level 6	STD20 460-320549/5	x5997.D
Level 7	ICIS 460-320549/2	x5994.D
Level 8	STD80 460-320549/4	x5996.D
Level 9	STD120 460-320549/3	x5995.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	87733	243661	358218	19599 613390	54504	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodimethylamine	DCB	Ave	128734	349634	510061	28201 844364	80653	20.0	50.0	80.0	5.00 120	10.0
Pyridine	DCB	Ave	228772	618086	912970	49520 1511217	142533	20.0	50.0	80.0	5.00 120	10.0
Phenol	DCB	Ave	266046	805574	1186087	59417 1979920	176584	20.0	50.0	80.0	5.00 120	10.0
Aniline	DCB	Ave	322560	958567	1384825	72748 2308129	216967	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethyl)ether	DCB	Ave	4986 205816	8912 605074	20833 884129	46031 1491807	136522	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Chlorophenol	DCB	Ave	230485	684839	976413	52843 1606341	156101	20.0	50.0	80.0	5.00 120	10.0
n-Decane	DCB	Ave	235008	731710	1045508	56510 1666782	164572	20.0	50.0	80.0	5.00 120	10.0
1,3-Dichlorobenzene	DCB	Ave	256619	772314	1121356	60824 1857131	175223	20.0	50.0	80.0	5.00 120	10.0
1,4-Dichlorobenzene	DCB	Ave	262298	794577	1154819	61572 1947970	182496	20.0	50.0	80.0	5.00 120	10.0
Benzyl alcohol	DCB	Ave	129393	387086	551011	30017 932599	89377	20.0	50.0	80.0	5.00 120	10.0
1,2-Dichlorobenzene	DCB	Ave	244410	733558	1061195	57186 1804387	167669	20.0	50.0	80.0	5.00 120	10.0
2-Methylphenol	DCB	Ave	186370	559389	784696	43944 1302927	129004	20.0	50.0	80.0	5.00 120	10.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	252135	758181	1070297	58810 1731021	171128	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.: 460-100972-1 Analy Batch No.: 320549

SDG No.: _____

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/03/2015 01:41 Calibration End Date: 09/03/2015 05:11 Calibration ID: 52108

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	282636	845978	1204110	63366 1998112	192559	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodi-n-propylamine	DCB	Ave	3578 141248	5771 415970	13399 588011	31343 958344	96085	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
3 & 4 Methylphenol	DCB	Ave	216598	656503	922234	48254 1527109	148603	20.0	50.0	80.0	5.00 120	10.0
4-Methylphenol	DCB	Ave	216598	656503	922234	48254 1527109	148603	20.0	50.0	80.0	5.00 120	10.0
Hexachloroethane	DCB	Ave	2361 95208	4093 288155	9809 414836	22843 676343	65356	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene	NPT	Ave	6863 296070	13066 896845	29011 1280573	67377 2102488	207142	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
n,n'-Dimethylaniline	DCB	Ave	8113 332312	15776 1033578	33233 1462132	72140 2530578	239498	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Isophorone	NPT	Ave	32489 328947	73379 972121	231925 1386683	2024918	231925	20.0	50.0	80.0	5.00 120	10.0
2-Nitrophenol	NPT	Ave	113356	328791	479322	24095 803326	76539	20.0	50.0	80.0	5.00 120	10.0
2,4-Dimethylphenol	NPT	Ave	175005	521789	731175	40582 1195129	121827	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	210621	630275	889935	46525 1462429	145809	20.0	50.0	80.0	5.00 120	10.0
Benzoic acid	NPT	Lin2	97342	289417	433588	9644 716846	60966	20.0	50.0	80.0	5.00 120	10.0
2,4-Dichlorophenol	NPT	Ave	161138	483417	693465	35984 1158525	112983	20.0	50.0	80.0	5.00 120	10.0
1,2,4-Trichlorobenzene	NPT	Ave	5049 189789	8034 559728	19323 799714	43257 1344051	130310	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Naphthalene	NPT	Ave	594830	1813612	2588862	137502 4363716	410284	20.0	50.0	80.0	5.00 120	10.0
4-Chloroaniline	NPT	Ave	238981	717042	1056823	52716 1758555	166272	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobutadiene	NPT	Ave	107074	4786 324195	11885 460704	26055 790742	76688	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
4-Chloro-3-methylphenol	NPT	Ave	144749	429700	628365	31751 1012042	101295	20.0	50.0	80.0	5.00 120	10.0
2-Methylnaphthalene	NPT	Ave	385204	1178796	1703500	86712 2846643	269708	20.0	50.0	80.0	5.00 120	10.0
1-Methylnaphthalene	NPT	Ave	328848	994790	1449473	73026 2387003	231107	20.0	50.0	80.0	5.00 120	10.0
Hexachlorocyclopentadiene	ANT	Ave	109761	373635	522318	22641 906351	75538	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.: 460-100972-1 Analy Batch No.: 320549

SDG No.: _____

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/03/2015 01:41 Calibration End Date: 09/03/2015 05:11 Calibration ID: 52108

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	167473	514614	746763	38781 1254753	116492	20.0	50.0	80.0	5.00 120	10.0
2-tertbutyl-4-methylphenol	NPT	Ave	253782	786319	1117365	55633 1924166	193821	20.0	50.0	80.0	5.00 120	10.0
2,4,6-Trichlorophenol	ANT	Ave	105851	313019	9224 464987	21982 784910	76804	20.0	50.0	2.00 80.0	5.00 120	10.0
2,4,5-Trichlorophenol	ANT	Ave	104549	319701	23519 466921	74697 719455	74697	20.0	50.0	80.0	5.00 120	10.0
1,1'-Biphenyl	ANT	Ave	427403	1322555	1932689	96379 3242052	302810	20.0	50.0	80.0	5.00 120	10.0
2-Chloronaphthalene	ANT	Ave	327993	996567	1438579	73585 2364553	232655	20.0	50.0	80.0	5.00 120	10.0
Phenyl ether	ANT	Ave	217999	684568	977477	47978 1667554	164248	20.0	50.0	80.0	5.00 120	10.0
2-Nitroaniline	ANT	Ave	104244	314863	459990	22665 529727	75536	20.0	50.0	80.0	5.00 120	10.0
1,3-Dimethylnaphthalene	ANT	Ave	277235	836859	1194239	61394 2013045	212041	20.0	50.0	80.0	5.00 120	10.0
Dimethyl phthalate	ANT	Ave	309159	939629	1376376	68739 2130577	230580	20.0	50.0	80.0	5.00 120	10.0
Coumarin	NPT	Ave	101986	307964	444796	22143 691127	79563	20.0	50.0	80.0	5.00 120	10.0
2,6-Dinitrotoluene	ANT	Lin2	74359	2380 221542	6685 329904	16151 507928	53919	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Acenaphthylene	ANT	Ave	483491	1474226	2152440	107693 3473570	347922	20.0	50.0	80.0	5.00 120	10.0
3-Nitroaniline	ANT	Ave	78112	231065	338374	16470 502365	57903	20.0	50.0	80.0	5.00 120	10.0
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	307997	996490	1391060	65512 2432651	236374	20.0	50.0	80.0	5.00 120	10.0
Acenaphthene	ANT	Ave	326457	957019	1402715	71059 2226471	239863	20.0	50.0	80.0	5.00 120	10.0
2,4-Dinitrophenol	ANT	Qua	78782	256731	1706 418678	8859 +++++	52024	40.0	100	4.00 160	10.0 +++++	20.0
4-Nitrophenol	ANT	Ave	102272	302270	455188	21127 636400	73670	40.0	100	160	10.0 240	20.0
2,4-Dinitrotoluene	ANT	Lin2	89941	2707 268086	8169 402027	19773 +++++	66028	20.0	1.00 50.0	2.00 80.0	5.00 +++++	10.0
Dibenzofuran	ANT	Ave	411752	1277026	1866756	94895 3013399	302975	20.0	50.0	80.0	5.00 120	10.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	78270	233382	350270	15776 537329	58678	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.: 460-100972-1 Analy Batch No.: 320549

SDG No.: _____

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/03/2015 01:41 Calibration End Date: 09/03/2015 05:11 Calibration ID: 52108

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	285255	866459	1278454	65463 1997638	216357	20.0	50.0	80.0	5.00 120	10.0
4-Chlorophenyl phenyl ether	ANT	Ave	159401	498915	734563	35919 1191102	116703	20.0	50.0	80.0	5.00 120	10.0
Fluorene	ANT	Ave	339141	1069252	1560156	75690 2482790	248794	20.0	50.0	80.0	5.00 120	10.0
4-Nitroaniline	ANT	Ave	71860	209607	255720	15125 371219	53901	20.0	50.0	80.0	5.00 120	10.0
4,6-Dinitro-2-methylphenol	PHN	Lin2	101976	302427	466984	5286 695107	70721	40.0	100	4.00 160	10.0 240	20.0
N-Nitrosodiphenylamine	PHN	Ave	461296	1439972	46063 2078380	103822 3269487	343656	34.0	85.0	3.40 136	8.50 204	17.0
1,2-Diphenylhydrazine	PHN	Ave	292477	890582	1282549	65816 1926741	216947	20.0	50.0	80.0	5.00 120	10.0
4-Bromophenyl phenyl ether	PHN	Ave	86192	261743	391280	20118 606851	65227	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobenzene	PHN	Ave	2287 94320	3728 285975	9542 420357	20978 651049	72343	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Pentachlorophenol	PHN	Ave	112444	345848	8336 521155	22143 795451	84123	40.0	100	4.00 160	10.0 240	20.0
Pentachloronitrobenzene	PHN	Ave	36667	103472	150819	8296 236324	31430	20.0	50.0	80.0	5.00 120	10.0
n-Octadecane	PHN	Ave	191348	603830	895087	40778 1395357	138775	20.0	50.0	80.0	5.00 120	10.0
Phenanthrene	PHN	Ave	410960	1216290	1816752	92028 2736701	308401	20.0	50.0	80.0	5.00 120	10.0
Anthracene	PHN	Ave	412915	1226621	1825990	91122 2761467	312468	20.0	50.0	80.0	5.00 120	10.0
Carbazole	PHN	Ave	348076	981250	1437354	77124 2100659	265919	20.0	50.0	80.0	5.00 120	10.0
Di-n-butyl phthalate	PHN	Ave	408066	1172851	1759364	89069 2596280	310685	20.0	50.0	80.0	5.00 120	10.0
Fluoranthene	PHN	Ave	378896	1034986	1481560	78930 2231756	282019	20.0	50.0	80.0	5.00 120	10.0
Benzidine	PHN	Ave	193436	486506	721502	36254 1081450	116130	20.0	50.0	80.0	5.00 120	10.0
Pyrene	CRY	Ave	382043	1017651	1475312	81659 2164361	286213	20.0	50.0	80.0	5.00 120	10.0
Bisphenol-A	CRY	Ave	137260	333541	509211	33143 744822	93486	20.0	50.0	80.0	5.00 120	10.0
Butyl benzyl phthalate	CRY	Ave	147138	372350	524041	29912 758971	105641	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.: 460-100972-1 Analy Batch No.: 320549

SDG No.: _____

Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/03/2015 01:41 Calibration End Date: 09/03/2015 05:11 Calibration ID: 52108

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		775					0.500			
Carbamazepine	CRY	Ave	102253	243508	346517	545711	70217	20.0	50.0	80.0	5.00 120	10.0
3,3'-Dichlorobenzidine	CRY	Ave	104951	244619	8542 339523	19684 515166	61194	20.0	50.0	2.00 80.0	5.00 120	10.0
Benzo[a]anthracene	CRY	Ave	5968 298723	11210 702165	28495 978577	61091 1454468	205470	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	211814	511930	725258	41871 1059596	143536	20.0	50.0	80.0	5.00 120	10.0
Chrysene	CRY	Ave	271309	643153	859358	56053 1295496	186783	20.0	50.0	80.0	5.00 120	10.0
Di-n-octyl phthalate	PRY	Ave	303654	718941	1004539	56459 1482793	191919	20.0	50.0	80.0	5.00 120	10.0
Benzo[b]fluoranthene	PRY	Ave	4071 214373	7814 497638	19462 682142	44192 1055732	134503	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[k]fluoranthene	PRY	Ave	4245 238882	9102 531310	22156 727608	45551 1135648	151694	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[a]pyrene	PRY	Ave	3307 195800	7053 448113	17368 625406	38956 976414	124916	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	1863 134060	4859 357818	9804 497310	26261 821666	81061	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenz(a,h)anthracene	PRY	Ave	2180 144790	4778 358939	10544 521802	26559 841034	85065	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[g,h,i]perylene	PRY	Ave	135158	348808	506600	29414 818862	82620	20.0	50.0	80.0	5.00 120	10.0
2-Fluorophenol (Surr)	DCB	Ave	11130 212121	18584 642459	58394 950258	136448 1521189		20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Phenol-d5 (Surr)	DCB	Ave	12876 241588	20865 728320	66087 1072279	156915 1717428		20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene-d5	NPT	Ave	5008 206954	10773 621858	17471 906506	55992 1439057	138394	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Fluorobiphenyl	ANT	Ave	9046 378367	18991 1173189	32024 1731994	102300 2793549	259019	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	1996 48217	3994 143599	12633 213066	35585 320585		20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Terphenyl-d14	CRY	Ave	5065 266018	12317 730531	21854 1066808	67619 1538368	189449	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.: 460-100972-1 Analy Batch No.: 320549
SDG No.: _____
Instrument ID: CBNAMS5 GC Column: Rtxi-5Sil M ID: 0.25 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 09/03/2015 01:41 Calibration End Date: 09/03/2015 05:11 Calibration ID: 52108

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.: 460-100972-1

SDG No.: _____

Lab Sample ID: CCVIS 460-322389/2 Calibration Date: 09/15/2015 03:23

Instrument ID: CBNAMS11 Calib Start Date: 09/10/2015 01:44

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 09/10/2015 05:11

Lab File ID: z36324.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5473	0.5471	0.0100	50000	50000	-0.0	20.0
N-Nitrosodimethylamine	Ave	0.8049	0.7854		48800	50000	-2.4	20.0
Pyridine	Ave	1.369	1.328		48500	50000	-3.0	20.0
Phenol	Ave	1.663	1.609	0.8000	48400	50000	-3.2	20.0
Aniline	Ave	2.050	1.929		47100	50000	-5.9	20.0
Bis(2-chloroethyl)ether	Ave	1.323	1.264	0.7000	47800	50000	-4.5	20.0
2-Chlorophenol	Ave	1.345	1.303	0.8000	48400	50000	-3.1	20.0
n-Decane	Ave	1.770	1.498	0.0100	42300	50000	-15.4	20.0
1,3-Dichlorobenzene	Ave	1.534	1.478		48200	50000	-3.7	20.0
1,4-Dichlorobenzene	Ave	1.574	1.481		47000	50000	-5.9	20.0
Benzyl alcohol	Ave	0.7351	0.6307	0.0100	42900	50000	-14.2	20.0
1,2-Dichlorobenzene	Ave	1.449	1.375		47500	50000	-5.1	20.0
2-Methylphenol	Ave	1.147	1.096	0.7000	47800	50000	-4.4	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.744	1.521	0.0100	43600	50000	-12.8	20.0
Acetophenone	Ave	1.808	1.555	0.0100	43000	50000	-14.0	20.0
3 & 4 Methylphenol	Ave	1.321	1.162		44000	50000	-12.0	20.0
4-Methylphenol	Ave	1.321	1.162	0.6000	44000	50000	-12.0	20.0
N-Nitrosodi-n-propylamine	Ave	0.9749	0.8043	0.5000	41300	50000	-17.5	20.0
Hexachloroethane	Ave	0.6358	0.5745	0.3000	45200	50000	-9.6	20.0
n,n'-Dimethylaniline	Ave	1.980	1.829	0.0100	46200	50000	-7.6	20.0
Nitrobenzene	Ave	0.5908	0.5281	0.2000	44700	50000	-10.6	20.0
Isophorone	Ave	0.6314	0.5612	0.4000	44400	50000	-11.1	20.0
2-Nitrophenol	Ave	0.1830	0.1857	0.1000	50700	50000	1.5	20.0
2,4-Dimethylphenol	Ave	0.2909	0.2887	0.2000	49600	50000	-0.7	20.0
Bis(2-chloroethoxy)methane	Ave	0.3953	0.3622	0.3000	45800	50000	-8.4	20.0
Benzoic acid	Ave	0.1654	0.1352		40900	50000	-18.2	20.0
2,4-Dichlorophenol	Ave	0.2618	0.2646	0.2000	50500	50000	1.1	20.0
1,2,4-Trichlorobenzene	Ave	0.2950	0.3088		52300	50000	4.7	20.0
Naphthalene	Ave	1.059	0.9927	0.7000	46900	50000	-6.3	20.0
4-Chloroaniline	Ave	0.3998	0.3825	0.0100	47800	50000	-4.3	20.0
Hexachlorobutadiene	Ave	0.1772	0.1809	0.0100	51000	50000	2.1	20.0
4-Chloro-3-methylphenol	Ave	0.2523	0.2359		46800	50000	-6.5	20.0
2-Methylnaphthalene	Ave	0.6614	0.6269	0.4000	47400	50000	-5.2	20.0
1-Methylnaphthalene	Ave	0.5637	0.5392	0.0100	47800	50000	-4.4	20.0
Hexachlorocyclopentadiene	Qua		0.3706	0.0500	46500	50000	-7.0	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6131	0.5949	0.0100	48500	50000	-3.0	20.0
2-tertbutyl-4-methylphenol	Ave	0.4325	0.4026	0.0100	46500	50000	-6.9	20.0
2,4,6-Trichlorophenol	Ave	0.3486	0.3419	0.2000	49000	50000	-1.9	20.0
2,4,5-Trichlorophenol	Ave	0.3411	0.3664	0.2000	53700	50000	7.4	20.0
1,1'-Biphenyl	Ave	1.628	1.554	0.0100	47700	50000	-4.5	20.0
2-Chloronaphthalene	Ave	1.190	1.182	0.8000	49700	50000	-0.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Lab Sample ID: CCVIS 460-322389/2 Calibration Date: 09/15/2015 03:23

Instrument ID: CBNAMS11 Calib Start Date: 09/10/2015 01:44

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 09/10/2015 05:11

Lab File ID: z36324.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.8325	0.8002	0.0100	48100	50000	-3.9	20.0
2-Nitroaniline	Ave	0.4550	0.3857	0.0100	42400	50000	-15.2	20.0
1,3-Dimethylnaphthalene	Ave	1.042	0.9721	0.0100	46600	50000	-6.8	20.0
Dimethyl phthalate	Ave	1.077	1.044	0.0100	48500	50000	-3.1	20.0
Coumarin	Ave	0.1510	0.1422	0.0100	47100	50000	-5.9	20.0
2,6-Dinitrotoluene	Ave	0.2411	0.2474	0.2000	51300	50000	2.6	20.0
Acenaphthylene	Ave	1.762	1.689	0.9000	47900	50000	-4.1	20.0
3-Nitroaniline	Ave	0.2579	0.2497	0.0100	48400	50000	-3.2	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.058	1.040	0.0100	49200	50000	-1.7	20.0
Acenaphthene	Ave	1.171	1.059	0.9000	45200	50000	-9.6	20.0
2,4-Dinitrophenol	Lin2		0.1321	0.0100	98500	100000	-1.5	20.0
4-Nitrophenol	Ave	0.2025	0.1523	0.0100	75200	100000	-24.8*	20.0
2,4-Dinitrotoluene	Ave	0.2701	0.2752	0.2000	50900	50000	1.9	20.0
Dibenzofuran	Ave	1.469	1.437	0.8000	48900	50000	-2.2	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2425	0.2260	0.0100	46600	50000	-6.8	20.0
Diethyl phthalate	Ave	1.025	0.9304	0.0100	45400	50000	-9.2	20.0
4-Chlorophenyl phenyl ether	Ave	0.5458	0.5312	0.4000	48700	50000	-2.7	20.0
Fluorene	Ave	1.190	1.123	0.9000	47200	50000	-5.6	20.0
4-Nitroaniline	Ave	0.2259	0.2107	0.0100	46600	50000	-6.7	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1194	0.1287	0.0100	108000	100000	7.9	20.0
N-Nitrosodiphenylamine	Ave	0.7909	0.7627	0.0100	82000	85000	-3.6	20.0
1,2-Diphenylhydrazine	Ave	1.119	0.9340	0.0100	41700	50000	-16.5	20.0
4-Bromophenyl phenyl ether	Ave	0.2460	0.2404	0.1000	48900	50000	-2.3	20.0
Hexachlorobenzene	Ave	0.2531	0.2536	0.1000	50100	50000	0.2	20.0
Pentachlorophenol	Ave	0.1347	0.1145	0.0500	85000	100000	-15.0	20.0
Pentachloronitrobenzene	Ave	0.1048	0.0908	0.0100	43300	50000	-13.3	20.0
n-Octadecane	Ave	0.7582	0.6523	0.0100	43000	50000	-14.0	20.0
Phenanthrene	Ave	1.144	1.076	0.7000	47000	50000	-6.0	20.0
Anthracene	Ave	1.131	1.076	0.7000	47600	50000	-4.9	20.0
Carbazole	Ave	0.9156	0.8121	0.0100	44400	50000	-11.3	20.0
Di-n-butyl phthalate	Ave	1.167	0.9873	0.0100	42300	50000	-15.4	20.0
Fluoranthene	Ave	0.9411	0.8224	0.6000	43700	50000	-12.6	20.0
Benzidine	Ave	0.3841	0.3512		45700	50000	-8.6	20.0
Pyrene	Ave	1.617	1.576	0.6000	48700	50000	-2.6	20.0
Bisphenol-A	Qua	0.2604	0.1614		30600	50000	-38.8*	20.0
Butyl benzyl phthalate	Ave	0.6526	0.5855	0.0100	44900	50000	-10.3	20.0
2,3,7,8-TCDD	Ave	0.1916	0.1523	0.0100	397	500	-20.5*	20.0
Carbamazepine	Ave	0.4084	0.3917	0.0100	48000	50000	-4.1	20.0
3,3'-Dichlorobenzidine	Ave	0.3579	0.3938	0.0100	55000	50000	10.0	20.0
Benzo[a]anthracene	Ave	1.167	1.105	0.8000	47300	50000	-5.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-100972-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-322389/2 Calibration Date: 09/15/2015 03:23
 Instrument ID: CBNAMS11 Calib Start Date: 09/10/2015 01:44
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 09/10/2015 05:11
 Lab File ID: z36324.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	0.8941	0.8058	0.0100	45100	50000	-9.9	20.0
Chrysene	Ave	1.027	1.006	0.7000	49000	50000	-2.0	20.0
Di-n-octyl phthalate	Ave	1.707	1.530	0.0100	44800	50000	-10.4	20.0
Benzo[b]fluoranthene	Ave	1.132	1.222	0.7000	54000	50000	7.9	20.0
Benzo[k]fluoranthene	Ave	1.187	1.181	0.7000	49700	50000	-0.5	20.0
Benzo[a]pyrene	Ave	1.024	1.083	0.7000	52900	50000	5.7	20.0
Indeno[1,2,3-cd]pyrene	Qua		1.004	0.5000	50800	50000	1.6	20.0
Dibenz(a,h)anthracene	Qua		1.002	0.4000	50500	50000	1.0	20.0
Benzo[g,h,i]perylene	Ave	0.9556	1.008	0.5000	52700	50000	5.5	20.0
2-Fluorophenol (Surr)	Ave	1.275	1.303	0.0100	51100	50000	2.2	20.0
Phenol-d5 (Surr)	Ave	1.513	1.449	0.0100	47900	50000	-4.2	20.0
Nitrobenzene-d5	Ave	0.4213	0.3700	0.0100	43900	50000	-12.2	20.0
2-Fluorobiphenyl	Ave	1.391	1.396	0.0100	50200	50000	0.4	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1476	0.1213	0.0100	41100	50000	-17.8	20.0
Terphenyl-d14	Ave	1.087	1.089	0.0100	50100	50000	0.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Lab Sample ID: CCVIS 460-322656/2 Calibration Date: 09/16/2015 06:43

Instrument ID: CBNAMS11 Calib Start Date: 09/10/2015 01:44

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 09/10/2015 05:11

Lab File ID: z36358.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5473	0.5461	0.0100	49900	50000	-0.2	20.0
N-Nitrosodimethylamine	Ave	0.8049	0.7745		48100	50000	-3.8	20.0
Pyridine	Ave	1.369	1.360		49700	50000	-0.6	20.0
Phenol	Ave	1.663	1.637	0.8000	49200	50000	-1.5	20.0
Aniline	Ave	2.050	1.961		47800	50000	-4.4	20.0
Bis(2-chloroethyl)ether	Ave	1.323	1.218	0.7000	46000	50000	-7.9	20.0
2-Chlorophenol	Ave	1.345	1.323	0.8000	49200	50000	-1.6	20.0
n-Decane	Ave	1.770	1.467	0.0100	41400	50000	-17.1	20.0
1,3-Dichlorobenzene	Ave	1.534	1.492		48600	50000	-2.8	20.0
1,4-Dichlorobenzene	Ave	1.574	1.499		47600	50000	-4.8	20.0
Benzyl alcohol	Ave	0.7351	0.7823	0.0100	53200	50000	6.4	20.0
1,2-Dichlorobenzene	Ave	1.449	1.384		47800	50000	-4.5	20.0
2-Methylphenol	Ave	1.147	1.086	0.7000	47300	50000	-5.3	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.744	1.495	0.0100	42800	50000	-14.3	20.0
3 & 4 Methylphenol	Ave	1.321	1.215		46000	50000	-8.0	20.0
4-Methylphenol	Ave	1.321	1.215	0.6000	46000	50000	-8.0	20.0
Acetophenone	Ave	1.808	1.610	0.0100	44500	50000	-10.9	20.0
N-Nitrosodi-n-propylamine	Ave	0.9749	0.8342	0.5000	42800	50000	-14.4	20.0
Hexachloroethane	Ave	0.6358	0.5705	0.3000	44900	50000	-10.3	20.0
n,n'-Dimethylaniline	Ave	1.980	1.876	0.0100	47400	50000	-5.3	20.0
Nitrobenzene	Ave	0.5908	0.5165	0.2000	43700	50000	-12.6	20.0
Isophorone	Ave	0.6314	0.5808	0.4000	46000	50000	-8.0	20.0
2-Nitrophenol	Ave	0.1830	0.1886	0.1000	51500	50000	3.0	20.0
2,4-Dimethylphenol	Ave	0.2909	0.2900	0.2000	49800	50000	-0.3	20.0
Bis(2-chloroethoxy)methane	Ave	0.3953	0.3634	0.3000	46000	50000	-8.1	20.0
Benzoic acid	Ave	0.1654	0.1711		51700	50000	3.4	20.0
2,4-Dichlorophenol	Ave	0.2618	0.2687	0.2000	51300	50000	2.6	20.0
1,2,4-Trichlorobenzene	Ave	0.2950	0.3135		53100	50000	6.3	20.0
Naphthalene	Ave	1.059	0.9946	0.7000	46900	50000	-6.1	20.0
4-Chloroaniline	Ave	0.3998	0.3986	0.0100	49900	50000	-0.3	20.0
Hexachlorobutadiene	Ave	0.1772	0.1861	0.0100	52500	50000	5.1	20.0
4-Chloro-3-methylphenol	Ave	0.2523	0.2540		50300	50000	0.7	20.0
2-Methylnaphthalene	Ave	0.6614	0.6465	0.4000	48900	50000	-2.3	20.0
1-Methylnaphthalene	Ave	0.5637	0.5542	0.0100	49200	50000	-1.7	20.0
Hexachlorocyclopentadiene	Qua		0.4124	0.0500	50800	50000	1.7	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6131	0.5741	0.0100	46800	50000	-6.4	20.0
2-tertbutyl-4-methylphenol	Ave	0.4325	0.4387	0.0100	50700	50000	1.5	20.0
2,4,6-Trichlorophenol	Ave	0.3486	0.3680	0.2000	52800	50000	5.6	20.0
2,4,5-Trichlorophenol	Ave	0.3411	0.3722	0.2000	54600	50000	9.1	20.0
1,1'-Biphenyl	Ave	1.628	1.487	0.0100	45700	50000	-8.6	20.0
2-Chloronaphthalene	Ave	1.190	1.140	0.8000	47900	50000	-4.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-100972-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-322656/2 Calibration Date: 09/16/2015 06:43
 Instrument ID: CBNAMS11 Calib Start Date: 09/10/2015 01:44
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 09/10/2015 05:11
 Lab File ID: z36358.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.8325	0.7796	0.0100	46800	50000	-6.3	20.0
2-Nitroaniline	Ave	0.4550	0.3900	0.0100	42900	50000	-14.3	20.0
1,3-Dimethylnaphthalene	Ave	1.042	0.9483	0.0100	45500	50000	-9.0	20.0
Dimethyl phthalate	Ave	1.077	1.127	0.0100	52300	50000	4.6	20.0
Coumarin	Ave	0.1510	0.1723	0.0100	57000	50000	14.1	20.0
2,6-Dinitrotoluene	Ave	0.2411	0.2665	0.2000	55300	50000	10.6	20.0
Acenaphthylene	Ave	1.762	1.692	0.9000	48000	50000	-4.0	20.0
3-Nitroaniline	Ave	0.2579	0.2748	0.0100	53300	50000	6.5	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.058	1.122	0.0100	53000	50000	6.1	20.0
Acenaphthene	Ave	1.171	1.054	0.9000	45000	50000	-10.0	20.0
2,4-Dinitrophenol	Lin2		0.1523	0.0100	113000	100000	13.2	20.0
4-Nitrophenol	Ave	0.2025	0.1826	0.0100	90200	100000	-9.8	20.0
2,4-Dinitrotoluene	Ave	0.2701	0.3217	0.2000	59600	50000	19.1	20.0
Dibenzofuran	Ave	1.469	1.495	0.8000	50900	50000	1.8	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2425	0.2649	0.0100	54600	50000	9.2	20.0
Diethyl phthalate	Ave	1.025	1.053	0.0100	51400	50000	2.7	20.0
4-Chlorophenyl phenyl ether	Ave	0.5458	0.5638	0.4000	51600	50000	3.3	20.0
Fluorene	Ave	1.190	1.182	0.9000	49700	50000	-0.6	20.0
4-Nitroaniline	Ave	0.2259	0.2514	0.0100	55600	50000	11.3	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1194	0.1369	0.0100	115000	100000	14.7	20.0
N-Nitrosodiphenylamine	Ave	0.7909	0.7226	0.0100	77700	85000	-8.6	20.0
1,2-Diphenylhydrazine	Ave	1.119	0.8417	0.0100	37600	50000	-24.8*	20.0
4-Bromophenyl phenyl ether	Ave	0.2460	0.2315	0.1000	47000	50000	-5.9	20.0
Hexachlorobenzene	Ave	0.2531	0.2546	0.1000	50300	50000	0.6	20.0
Pentachlorophenol	Ave	0.1347	0.1357	0.0500	101000	100000	0.8	20.0
Pentachloronitrobenzene	Ave	0.1048	0.0957	0.0100	45700	50000	-8.6	20.0
n-Octadecane	Ave	0.7582	0.5701	0.0100	37600	50000	-24.8*	20.0
Phenanthrene	Ave	1.144	1.073	0.7000	46900	50000	-6.2	20.0
Anthracene	Ave	1.131	1.088	0.7000	48100	50000	-3.8	20.0
Carbazole	Ave	0.9156	0.8704	0.0100	47500	50000	-4.9	20.0
Di-n-butyl phthalate	Ave	1.167	1.104	0.0100	47300	50000	-5.4	20.0
Fluoranthene	Ave	0.9411	0.9142	0.6000	48600	50000	-2.9	20.0
Benzidine	Ave	0.3841	0.4637		60400	50000	20.7*	20.0
Pyrene	Ave	1.617	1.646	0.6000	50900	50000	1.8	20.0
Bisphenol-A	Qua	0.2604	0.5344		73600	50000	47.2*	20.0
Butyl benzyl phthalate	Ave	0.6526	0.6323	0.0100	48400	50000	-3.1	20.0
2,3,7,8-TCDD	Ave	0.1916	0.1730	0.0100	451	500	-9.7	20.0
Carbamazepine	Ave	0.4084	0.3648	0.0100	44700	50000	-10.7	20.0
3,3'-Dichlorobenzidine	Ave	0.3579	0.3963	0.0100	55400	50000	10.7	20.0
Benzo[a]anthracene	Ave	1.167	1.116	0.8000	47800	50000	-4.4	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-100972-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-322656/2 Calibration Date: 09/16/2015 06:43
 Instrument ID: CBNAMS11 Calib Start Date: 09/10/2015 01:44
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 09/10/2015 05:11
 Lab File ID: z36358.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	0.8941	0.9063	0.0100	50700	50000	1.4	20.0
Chrysene	Ave	1.027	0.9876	0.7000	48100	50000	-3.8	20.0
Di-n-octyl phthalate	Ave	1.707	1.876	0.0100	55000	50000	9.9	20.0
Benzo[b]fluoranthene	Ave	1.132	1.234	0.7000	54500	50000	9.0	20.0
Benzo[k]fluoranthene	Ave	1.187	1.232	0.7000	51900	50000	3.7	20.0
Benzo[a]pyrene	Ave	1.024	1.095	0.7000	53500	50000	6.9	20.0
Indeno[1,2,3-cd]pyrene	Qua		0.9274	0.5000	47400	50000	-5.1	20.0
Dibenz(a,h)anthracene	Qua		0.8866	0.4000	45200	50000	-9.6	20.0
Benzo[g,h,i]perylene	Ave	0.9556	0.8390	0.5000	43900	50000	-12.2	20.0
2-Fluorophenol (Surr)	Ave	1.275	1.294	0.0100	50800	50000	1.5	20.0
Phenol-d5 (Surr)	Ave	1.513	1.461	0.0100	48300	50000	-3.4	20.0
Nitrobenzene-d5	Ave	0.4213	0.3609	0.0100	42800	50000	-14.3	20.0
2-Fluorobiphenyl	Ave	1.391	1.345	0.0100	48300	50000	-3.3	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1476	0.1642	0.0100	55600	50000	11.3	20.0
Terphenyl-d14	Ave	1.087	1.166	0.0100	53700	50000	7.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Lab Sample ID: CCVIS 460-322563/2 Calibration Date: 09/15/2015 16:14

Instrument ID: CBNAMS12 Calib Start Date: 08/27/2015 02:51

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 08/27/2015 06:16

Lab File ID: L125762.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5153	0.4824	0.0100	46800	50000	-6.4	20.0
N-Nitrosodimethylamine	Ave	0.7455	0.6959		46700	50000	-6.7	20.0
Pyridine	Ave	1.281	1.209		47200	50000	-5.6	20.0
Phenol	Ave	1.633	1.551	0.8000	47500	50000	-5.0	20.0
Aniline	Ave	1.979	1.755		44300	50000	-11.3	20.0
Bis(2-chloroethyl)ether	Ave	1.261	1.110	0.7000	44000	50000	-12.0	20.0
2-Chlorophenol	Ave	1.325	1.254	0.8000	47300	50000	-5.3	20.0
n-Decane	Ave	1.394	1.159	0.0100	41500	50000	-16.9	20.0
1,3-Dichlorobenzene	Ave	1.513	1.488		49100	50000	-1.7	20.0
1,4-Dichlorobenzene	Ave	1.543	1.495		48500	50000	-3.1	20.0
Benzyl alcohol	Ave	0.8176	0.7055	0.0100	43100	50000	-13.7	20.0
1,2-Dichlorobenzene	Ave	1.446	1.408		48700	50000	-2.6	20.0
2-Methylphenol	Ave	1.155	1.024	0.7000	44300	50000	-11.4	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.734	1.345	0.0100	38800	50000	-22.4*	20.0
Acetophenone	Ave	1.665	1.411	0.0100	42400	50000	-15.3	20.0
N-Nitrosodi-n-propylamine	Ave	0.8561	0.6867	0.5000	40100	50000	-19.8	20.0
3 & 4 Methylphenol	Ave	1.296	1.069		41300	50000	-17.5	20.0
4-Methylphenol	Ave	1.296	1.069	0.6000	41300	50000	-17.5	20.0
Hexachloroethane	Ave	0.5631	0.5369	0.3000	47700	50000	-4.6	20.0
Nitrobenzene	Ave	0.4718	0.4322	0.2000	45800	50000	-8.4	20.0
n,n'-Dimethylaniline	Ave	1.843	1.696	0.0100	46000	50000	-8.0	20.0
Isophorone	Ave	0.5907	0.4970	0.4000	42100	50000	-15.9	20.0
2-Nitrophenol	Ave	0.1697	0.1824	0.1000	53800	50000	7.5	20.0
2,4-Dimethylphenol	Ave	0.2949	0.2792	0.2000	47300	50000	-5.3	20.0
Bis(2-chloroethoxy)methane	Ave	0.3865	0.3373	0.3000	43600	50000	-12.7	20.0
Benzoic acid	Lin2		0.1611		66800	50000	33.6*	20.0
2,4-Dichlorophenol	Ave	0.2720	0.2752	0.2000	50600	50000	1.2	20.0
1,2,4-Trichlorobenzene	Ave	0.3063	0.3229		52700	50000	5.4	20.0
Naphthalene	Ave	1.009	0.9669	0.7000	47900	50000	-4.2	20.0
4-Chloroaniline	Ave	0.4050	0.3743	0.0100	46200	50000	-7.6	20.0
Hexachlorobutadiene	Ave	0.1760	0.1904	0.0100	54100	50000	8.2	20.0
4-Chloro-3-methylphenol	Ave	0.2437	0.2242		46000	50000	-8.0	20.0
2-Methylnaphthalene	Ave	0.6503	0.6136	0.4000	47200	50000	-5.6	20.0
1-Methylnaphthalene	Ave	0.5605	0.5322	0.0100	47500	50000	-5.0	20.0
Hexachlorocyclopentadiene	Ave	0.3358	0.3337	0.0500	49700	50000	-0.6	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6046	0.6042	0.0100	50000	50000	-0.0	20.0
2-tertbutyl-4-methylphenol	Ave	0.4075	0.3748	0.0100	46000	50000	-8.0	20.0
2,4,6-Trichlorophenol	Ave	0.3453	0.3682	0.2000	53300	50000	6.6	20.0
2,4,5-Trichlorophenol	Ave	0.3712	0.3845	0.2000	51800	50000	3.6	20.0
1,1'-Biphenyl	Ave	1.499	1.453	0.0100	48500	50000	-3.1	20.0
2-Chloronaphthalene	Ave	1.153	1.144	0.8000	49600	50000	-0.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Lab Sample ID: CCVIS 460-322563/2 Calibration Date: 09/15/2015 16:14

Instrument ID: CBNAMS12 Calib Start Date: 08/27/2015 02:51

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 08/27/2015 06:16

Lab File ID: L125762.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.7751	0.7602	0.0100	49000	50000	-1.9	20.0
2-Nitroaniline	Ave	0.3309	0.2715	0.0100	41000	50000	-18.0	20.0
1,3-Dimethylnaphthalene	Ave	0.9631	0.9060	0.0100	47000	50000	-5.9	20.0
Dimethyl phthalate	Ave	1.099	1.063	0.0100	48300	50000	-3.3	20.0
Coumarin	Ave	0.1798	0.1747	0.0100	48600	50000	-2.8	20.0
2,6-Dinitrotoluene	Ave	0.2262	0.2470	0.2000	54600	50000	9.2	20.0
Acenaphthylene	Ave	1.734	1.685	0.9000	48600	50000	-2.8	20.0
3-Nitroaniline	Ave	0.2540	0.2707	0.0100	53300	50000	6.6	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	0.9546	0.9574	0.0100	50100	50000	0.3	20.0
Acenaphthene	Ave	1.100	1.007	0.9000	45800	50000	-8.4	20.0
2,4-Dinitrophenol	Qua		0.1389	0.0100	124000	100000	24.4*	20.0
4-Nitrophenol	Ave	0.1507	0.1487	0.0100	98700	100000	-1.3	20.0
2,4-Dinitrotoluene	Lin2		0.3174	0.2000	55400	50000	10.9	20.0
Dibenzofuran	Ave	1.509	1.488	0.8000	49300	50000	-1.4	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2671	0.2816	0.0100	52700	50000	5.4	20.0
Diethyl phthalate	Ave	1.042	0.9863	0.0100	47300	50000	-5.3	20.0
4-Chlorophenyl phenyl ether	Ave	0.5716	0.5612	0.4000	49100	50000	-1.8	20.0
Fluorene	Ave	1.211	1.175	0.9000	48500	50000	-3.0	20.0
4-Nitroaniline	Ave	0.2296	0.2537	0.0100	55300	50000	10.5	20.0
4,6-Dinitro-2-methylphenol	Qua		0.1241	0.0100	115000	100000	15.0	20.0
N-Nitrosodiphenylamine	Ave	0.6858	0.6329	0.0100	78400	85000	-7.7	20.0
1,2-Diphenylhydrazine	Ave	0.8343	0.6719	0.0100	40300	50000	-19.5	20.0
4-Bromophenyl phenyl ether	Ave	0.2401	0.2329	0.1000	48500	50000	-3.0	20.0
Hexachlorobenzene	Ave	0.2730	0.2813	0.1000	51500	50000	3.0	20.0
Pentachlorophenol	Lin2		0.1369	0.0500	88000	100000	-12.0	20.0
Pentachloronitrobenzene	Ave	0.0893	0.0881	0.0100	49300	50000	-1.4	20.0
n-Octadecane	Ave	0.5478	0.4206	0.0100	38400	50000	-23.2*	20.0
Phenanthrene	Ave	1.090	1.049	0.7000	48100	50000	-3.8	20.0
Anthracene	Ave	1.088	1.064	0.7000	48900	50000	-2.2	20.0
Carbazole	Ave	0.9045	0.9139	0.0100	50500	50000	1.0	20.0
Di-n-butyl phthalate	Ave	1.089	1.055	0.0100	48500	50000	-3.1	20.0
Fluoranthene	Ave	0.9784	1.053	0.6000	53800	50000	7.6	20.0
Benzidine	Qua		0.5589		61200	50000	22.3*	20.0
Pyrene	Ave	1.380	1.127	0.6000	40800	50000	-18.3	20.0
Bisphenol-A	Ave	0.4013	0.3638		45300	50000	-9.4	20.0
Butyl benzyl phthalate	Ave	0.5177	0.4606	0.0100	44500	50000	-11.0	20.0
2,3,7,8-TCDD	Ave	0.1369	0.1142	0.0100	417	500	-16.6	20.0
Carbamazepine	Lin2		0.4347	0.0100	48900	50000	-2.3	20.0
3,3'-Dichlorobenzidine	Ave	0.3821	0.4559	0.0100	59700	50000	19.3	20.0
Benzo[a]anthracene	Ave	1.106	1.067	0.8000	48200	50000	-3.5	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-100972-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-322563/2 Calibration Date: 09/15/2015 16:14
 Instrument ID: CBNAMS12 Calib Start Date: 08/27/2015 02:51
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 08/27/2015 06:16
 Lab File ID: L125762.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	0.7302	0.6484	0.0100	44400	50000	-11.2	20.0
Chrysene	Ave	1.003	0.9688	0.7000	48300	50000	-3.5	20.0
Di-n-octyl phthalate	Ave	1.205	1.035	0.0100	42900	50000	-14.1	20.0
Benzo[b]fluoranthene	Ave	1.019	1.068	0.7000	52400	50000	4.8	20.0
Benzo[k]fluoranthene	Ave	1.075	1.069	0.7000	49700	50000	-0.5	20.0
Benzo[a]pyrene	Ave	0.9771	1.054	0.7000	54000	50000	7.9	20.0
Indeno[1,2,3-cd]pyrene	Lin2		1.185	0.5000	46800	50000	-6.4	20.0
Dibenz(a,h)anthracene	Lin2		1.176	0.4000	47600	50000	-4.7	20.0
Benzo[g,h,i]perylene	Ave	1.262	1.206	0.5000	47800	50000	-4.5	20.0
2-Fluorophenol (Surr)	Ave	1.284	1.219	0.0100	47500	50000	-5.1	20.0
Phenol-d5 (Surr)	Ave	1.520	1.379	0.0100	45400	50000	-9.2	20.0
Nitrobenzene-d5	Ave	0.3456	0.3217	0.0100	46600	50000	-6.9	20.0
2-Fluorobiphenyl	Ave	1.335	1.330	0.0100	49800	50000	-0.4	20.0
2,4,6-Tribromophenol (Surr)	Qua		0.2241	0.0100	54100	50000	8.1	20.0
Terphenyl-d14	Ave	0.9490	0.8199	0.0100	43200	50000	-13.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Lab Sample ID: CCVIS 460-322632/2 Calibration Date: 09/16/2015 05:01

Instrument ID: CBNAMS12 Calib Start Date: 08/27/2015 02:51

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 08/27/2015 06:16

Lab File ID: L125792.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5153	0.4887	0.0100	47400	50000	-5.2	20.0
N-Nitrosodimethylamine	Ave	0.7455	0.7119		47700	50000	-4.5	20.0
Pyridine	Ave	1.281	1.168		45600	50000	-8.8	20.0
Phenol	Ave	1.633	1.542	0.8000	47200	50000	-5.6	20.0
Aniline	Ave	1.979	1.684		42500	50000	-14.9	20.0
Bis(2-chloroethyl)ether	Ave	1.261	1.100	0.7000	43600	50000	-12.8	20.0
2-Chlorophenol	Ave	1.325	1.260	0.8000	47500	50000	-4.9	20.0
n-Decane	Ave	1.394	1.179	0.0100	42300	50000	-15.5	20.0
1,3-Dichlorobenzene	Ave	1.513	1.466		48400	50000	-3.1	20.0
1,4-Dichlorobenzene	Ave	1.543	1.486		48200	50000	-3.7	20.0
Benzyl alcohol	Ave	0.8176	0.6939	0.0100	42400	50000	-15.1	20.0
1,2-Dichlorobenzene	Ave	1.446	1.392		48100	50000	-3.8	20.0
2-Methylphenol	Ave	1.155	1.022	0.7000	44200	50000	-11.6	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.734	1.343	0.0100	38700	50000	-22.5*	20.0
Acetophenone	Ave	1.665	1.359	0.0100	40800	50000	-18.4	20.0
N-Nitrosodi-n-propylamine	Ave	0.8561	0.6543	0.5000	38200	50000	-23.6*	20.0
3 & 4 Methylphenol	Ave	1.296	1.039		40100	50000	-19.9	20.0
4-Methylphenol	Ave	1.296	1.039	0.6000	40100	50000	-19.9	20.0
Hexachloroethane	Ave	0.5631	0.5434	0.3000	48300	50000	-3.5	20.0
n,n'-Dimethylaniline	Ave	1.843	1.595	0.0100	43300	50000	-13.4	20.0
Nitrobenzene	Ave	0.4718	0.4391	0.2000	46500	50000	-6.9	20.0
Isophorone	Ave	0.5907	0.4960	0.4000	42000	50000	-16.0	20.0
2-Nitrophenol	Ave	0.1697	0.1841	0.1000	54300	50000	8.5	20.0
2,4-Dimethylphenol	Ave	0.2949	0.2815	0.2000	47700	50000	-4.5	20.0
Bis(2-chloroethoxy)methane	Ave	0.3865	0.3406	0.3000	44100	50000	-11.9	20.0
Benzoic acid	Lin2		0.1577		65500	50000	31.0*	20.0
2,4-Dichlorophenol	Ave	0.2720	0.2768	0.2000	50900	50000	1.8	20.0
1,2,4-Trichlorobenzene	Ave	0.3063	0.3285		53600	50000	7.2	20.0
Naphthalene	Ave	1.009	0.9650	0.7000	47800	50000	-4.4	20.0
4-Chloroaniline	Ave	0.4050	0.3635	0.0100	44900	50000	-10.2	20.0
Hexachlorobutadiene	Ave	0.1760	0.1978	0.0100	56200	50000	12.4	20.0
4-Chloro-3-methylphenol	Ave	0.2437	0.2165		44400	50000	-11.2	20.0
2-Methylnaphthalene	Ave	0.6503	0.6079	0.4000	46700	50000	-6.5	20.0
1-Methylnaphthalene	Ave	0.5605	0.5226	0.0100	46600	50000	-6.8	20.0
Hexachlorocyclopentadiene	Ave	0.3358	0.2785	0.0500	41500	50000	-17.1	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6046	0.6401	0.0100	52900	50000	5.9	20.0
2-tertbutyl-4-methylphenol	Ave	0.4075	0.3653	0.0100	44800	50000	-10.4	20.0
2,4,6-Trichlorophenol	Ave	0.3453	0.3794	0.2000	54900	50000	9.9	20.0
2,4,5-Trichlorophenol	Ave	0.3712	0.3890	0.2000	52400	50000	4.8	20.0
1,1'-Biphenyl	Ave	1.499	1.497	0.0100	49900	50000	-0.1	20.0
2-Chloronaphthalene	Ave	1.153	1.177	0.8000	51000	50000	2.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-100972-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-322632/2 Calibration Date: 09/16/2015 05:01
 Instrument ID: CBNAMS12 Calib Start Date: 08/27/2015 02:51
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 08/27/2015 06:16
 Lab File ID: L125792.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.7751	0.7909	0.0100	51000	50000	2.0	20.0
2-Nitroaniline	Ave	0.3309	0.2709	0.0100	40900	50000	-18.1	20.0
1,3-Dimethylnaphthalene	Ave	0.9631	0.9199	0.0100	47800	50000	-4.5	20.0
Dimethyl phthalate	Ave	1.099	1.015	0.0100	46200	50000	-7.7	20.0
Coumarin	Ave	0.1798	0.1528	0.0100	42500	50000	-15.0	20.0
2,6-Dinitrotoluene	Ave	0.2262	0.2406	0.2000	53200	50000	6.3	20.0
Acenaphthylene	Ave	1.734	1.679	0.9000	48400	50000	-3.2	20.0
3-Nitroaniline	Ave	0.2540	0.2451	0.0100	48200	50000	-3.5	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	0.9546	0.9277	0.0100	48600	50000	-2.8	20.0
Acenaphthene	Ave	1.100	1.013	0.9000	46100	50000	-7.9	20.0
2,4-Dinitrophenol	Qua		0.1254	0.0100	115000	100000	15.3	20.0
4-Nitrophenol	Ave	0.1507	0.1395	0.0100	92600	100000	-7.4	20.0
2,4-Dinitrotoluene	Lin2		0.2894	0.2000	50600	50000	1.2	20.0
Dibenzofuran	Ave	1.509	1.452	0.8000	48100	50000	-3.8	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2671	0.2722	0.0100	51000	50000	1.9	20.0
Diethyl phthalate	Ave	1.042	0.9204	0.0100	44200	50000	-11.7	20.0
4-Chlorophenyl phenyl ether	Ave	0.5716	0.5447	0.4000	47600	50000	-4.7	20.0
Fluorene	Ave	1.211	1.124	0.9000	46400	50000	-7.2	20.0
4-Nitroaniline	Ave	0.2296	0.2171	0.0100	47300	50000	-5.5	20.0
4,6-Dinitro-2-methylphenol	Qua		0.1213	0.0100	113000	100000	12.7	20.0
N-Nitrosodiphenylamine	Ave	0.6858	0.6692	0.0100	82900	85000	-2.4	20.0
1,2-Diphenylhydrazine	Ave	0.8343	0.7243	0.0100	43400	50000	-13.2	20.0
4-Bromophenyl phenyl ether	Ave	0.2401	0.2413	0.1000	50300	50000	0.5	20.0
Hexachlorobenzene	Ave	0.2730	0.2895	0.1000	53000	50000	6.0	20.0
Pentachlorophenol	Lin2		0.1371	0.0500	88100	100000	-11.9	20.0
Pentachloronitrobenzene	Ave	0.0893	0.0878	0.0100	49100	50000	-1.7	20.0
n-Octadecane	Ave	0.5478	0.4546	0.0100	41500	50000	-17.0	20.0
Phenanthrene	Ave	1.090	1.045	0.7000	48000	50000	-4.1	20.0
Anthracene	Ave	1.088	1.049	0.7000	48200	50000	-3.6	20.0
Carbazole	Ave	0.9045	0.8952	0.0100	49500	50000	-1.0	20.0
Di-n-butyl phthalate	Ave	1.089	1.015	0.0100	46600	50000	-6.8	20.0
Fluoranthene	Ave	0.9784	1.009	0.6000	51600	50000	3.1	20.0
Benzidine	Qua		0.4472		51700	50000	3.5	20.0
Pyrene	Ave	1.380	1.030	0.6000	37300	50000	-25.3*	20.0
Bisphenol-A	Ave	0.4013	0.4337		54000	50000	8.1	20.0
Butyl benzyl phthalate	Ave	0.5177	0.4474	0.0100	43200	50000	-13.6	20.0
2,3,7,8-TCDD	Ave	0.1369	0.1649	0.0100	602	500	20.5*	20.0
Carbamazepine	Lin2		0.5073	0.0100	56700	50000	13.4	20.0
3,3'-Dichlorobenzidine	Ave	0.3821	0.4613	0.0100	60400	50000	20.7*	20.0
Benzo[a]anthracene	Ave	1.106	1.061	0.8000	48000	50000	-4.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-100972-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-322632/2 Calibration Date: 09/16/2015 05:01
 Instrument ID: CBNAMS12 Calib Start Date: 08/27/2015 02:51
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 08/27/2015 06:16
 Lab File ID: L125792.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	0.7302	0.6453	0.0100	44200	50000	-11.6	20.0
Chrysene	Ave	1.003	0.9861	0.7000	49100	50000	-1.7	20.0
Di-n-octyl phthalate	Ave	1.205	1.051	0.0100	43600	50000	-12.8	20.0
Benzo[b]fluoranthene	Ave	1.019	1.109	0.7000	54400	50000	8.8	20.0
Benzo[k]fluoranthene	Ave	1.075	1.107	0.7000	51500	50000	3.0	20.0
Benzo[a]pyrene	Ave	0.9771	1.089	0.7000	55700	50000	11.4	20.0
Indeno[1,2,3-cd]pyrene	Lin2		1.338	0.5000	52800	50000	5.6	20.0
Dibenz(a,h)anthracene	Lin2		1.268	0.4000	51300	50000	2.7	20.0
Benzo[g,h,i]perylene	Ave	1.262	1.292	0.5000	51200	50000	2.4	20.0
2-Fluorophenol (Surr)	Ave	1.284	1.238	0.0100	48200	50000	-3.6	20.0
Phenol-d5 (Surr)	Ave	1.520	1.370	0.0100	45100	50000	-9.8	20.0
Nitrobenzene-d5	Ave	0.3456	0.3276	0.0100	47400	50000	-5.2	20.0
2-Fluorobiphenyl	Ave	1.335	1.381	0.0100	51700	50000	3.5	20.0
2,4,6-Tribromophenol (Surr)	Qua		0.2073	0.0100	50300	50000	0.5	20.0
Terphenyl-d14	Ave	0.9490	0.7534	0.0100	39700	50000	-20.6*	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-100972-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-322397/2 Calibration Date: 09/15/2015 03:40
 Instrument ID: CBNAMS5 Calib Start Date: 09/03/2015 01:41
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 09/03/2015 05:11
 Lab File ID: x6402.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.4813	0.5329	0.0100	55400	50000	10.7	20.0
N-Nitrosodimethylamine	Ave	0.6913	0.6725		48600	50000	-2.7	20.0
Pyridine	Ave	1.227	1.218		49600	50000	-0.7	20.0
Phenol	Ave	1.536	1.429	0.8000	46500	50000	-7.0	20.0
Aniline	Ave	1.839	1.643		44700	50000	-10.6	20.0
Bis(2-chloroethyl)ether	Ave	1.142	1.043	0.7000	45700	50000	-8.6	20.0
2-Chlorophenol	Ave	1.310	1.230	0.8000	46900	50000	-6.1	20.0
n-Decane	Ave	1.379	1.229	0.0100	44600	50000	-10.9	20.0
1,3-Dichlorobenzene	Ave	1.488	1.477		49600	50000	-0.8	20.0
1,4-Dichlorobenzene	Ave	1.534	1.480		48200	50000	-3.5	20.0
Benzyl alcohol	Ave	0.7448	0.6328	0.0100	42500	50000	-15.0	20.0
1,2-Dichlorobenzene	Ave	1.418	1.359		47900	50000	-4.2	20.0
2-Methylphenol	Ave	1.069	0.9355	0.7000	43800	50000	-12.5	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.436	1.184	0.0100	41200	50000	-17.6	20.0
Acetophenone	Ave	1.609	1.325	0.0100	41200	50000	-17.7	20.0
N-Nitrosodi-n-propylamine	Ave	0.7707	0.6166	0.5000	40000	50000	-20.0	20.0
3 & 4 Methylphenol	Ave	1.236	1.002		40500	50000	-18.9	20.0
4-Methylphenol	Ave	1.236	1.002	0.6000	40500	50000	-18.9	20.0
Hexachloroethane	Ave	0.5375	0.5165	0.3000	48000	50000	-3.9	20.0
n,n'-Dimethylaniline	Ave	1.901	1.731	0.0100	45500	50000	-9.0	20.0
Nitrobenzene	Ave	0.4827	0.4441	0.2000	46000	50000	-8.0	20.0
Isophorone	Ave	0.5330	0.4839	0.4000	45400	50000	-9.2	20.0
2-Nitrophenol	Ave	0.1864	0.1841	0.1000	49400	50000	-1.3	20.0
2,4-Dimethylphenol	Ave	0.2920	0.2799	0.2000	47900	50000	-4.1	20.0
Bis(2-chloroethoxy)methane	Ave	0.3504	0.3223	0.3000	46000	50000	-8.0	20.0
Benzoic acid	Lin2		0.1469		42900	50000	-14.2	20.0
2,4-Dichlorophenol	Ave	0.2717	0.2729	0.2000	50200	50000	0.5	20.0
1,2,4-Trichlorobenzene	Ave	0.3118	0.3266		52400	50000	4.8	20.0
Naphthalene	Ave	1.014	0.9798	0.7000	48300	50000	-3.3	20.0
4-Chloroaniline	Ave	0.4052	0.3723	0.0100	45900	50000	-8.1	20.0
Hexachlorobutadiene	Ave	0.1811	0.1972	0.0100	54500	50000	8.9	20.0
4-Chloro-3-methylphenol	Ave	0.2421	0.2145		44300	50000	-11.4	20.0
2-Methylnaphthalene	Ave	0.6585	0.6304	0.4000	47900	50000	-4.3	20.0
1-Methylnaphthalene	Ave	0.5582	0.5261	0.0100	47100	50000	-5.7	20.0
Hexachlorocyclopentadiene	Ave	0.4108	0.4222	0.0500	51400	50000	2.8	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6093	0.6461	0.0100	53000	50000	6.0	20.0
2-tertbutyl-4-methylphenol	Ave	0.4415	0.4142	0.0100	46900	50000	-6.2	20.0
2,4,6-Trichlorophenol	Ave	0.3681	0.3652	0.2000	49600	50000	-0.8	20.0
2,4,5-Trichlorophenol	Ave	0.3746	0.3831	0.2000	51100	50000	2.3	20.0
1,1'-Biphenyl	Ave	1.562	1.545	0.0100	49400	50000	-1.1	20.0
2-Chloronaphthalene	Ave	1.178	1.155	0.8000	49000	50000	-2.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Lab Sample ID: CCVIS 460-322397/2 Calibration Date: 09/15/2015 03:40

Instrument ID: CBNAMS5 Calib Start Date: 09/03/2015 01:41

GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 09/03/2015 05:11

Lab File ID: x6402.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenyl ether	Ave	0.8045	0.8212	0.0100	51000	50000	2.1	20.0
2-Nitroaniline	Ave	0.3546	0.2934	0.0100	41400	50000	-17.2	20.0
1,3-Dimethylnaphthalene	Ave	1.004	0.9584	0.0100	47700	50000	-4.6	20.0
Dimethyl phthalate	Ave	1.113	1.036	0.0100	46600	50000	-6.9	20.0
Coumarin	Ave	0.1734	0.1453	0.0100	41900	50000	-16.2	20.0
2,6-Dinitrotoluene	Lin2		0.2437	0.2000	45400	50000	-9.2	20.0
Acenaphthylene	Ave	1.743	1.678	0.9000	48100	50000	-3.7	20.0
3-Nitroaniline	Ave	0.2730	0.2400	0.0100	44000	50000	-12.1	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.149	1.216	0.0100	52900	50000	5.9	20.0
Acenaphthene	Ave	1.152	1.045	0.9000	45400	50000	-9.3	20.0
2,4-Dinitrophenol	Qua		0.1359	0.0100	89900	100000	-10.1	20.0
4-Nitrophenol	Ave	0.1771	0.1336	0.0100	75400	100000	-24.6*	20.0
2,4-Dinitrotoluene	Lin2		0.2927	0.2000	44500	50000	-11.0	20.0
Dibenzofuran	Ave	1.512	1.466	0.8000	48500	50000	-3.0	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2772	0.2711	0.0100	48900	50000	-2.2	20.0
Diethyl phthalate	Ave	1.039	0.9146	0.0100	44000	50000	-11.9	20.0
4-Chlorophenyl phenyl ether	Ave	0.5873	0.5775	0.4000	49200	50000	-1.7	20.0
Fluorene	Ave	1.245	1.169	0.9000	46900	50000	-6.1	20.0
4-Nitroaniline	Ave	0.2355	0.2148	0.0100	45600	50000	-8.8	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1333	0.0100	94400	100000	-5.6	20.0
N-Nitrosodiphenylamine	Ave	0.7482	0.7530	0.0100	85500	85000	0.6	20.0
1,2-Diphenylhydrazine	Ave	0.7998	0.7284	0.0100	45500	50000	-8.9	20.0
4-Bromophenyl phenyl ether	Ave	0.2420	0.2574	0.1000	53200	50000	6.4	20.0
Hexachlorobenzene	Ave	0.2565	0.2837	0.1000	55300	50000	10.6	20.0
Pentachlorophenol	Ave	0.1476	0.1376	0.0500	93200	100000	-6.8	20.0
Pentachloronitrobenzene	Ave	0.1003	0.0921	0.0100	45900	50000	-8.2	20.0
n-Octadecane	Ave	0.5360	0.5157	0.0100	48100	50000	-3.8	20.0
Phenanthrene	Ave	1.124	1.100	0.7000	48900	50000	-2.1	20.0
Anthracene	Ave	1.130	1.127	0.7000	49900	50000	-0.2	20.0
Carbazole	Ave	0.9189	0.8758	0.0100	47700	50000	-4.7	20.0
Di-n-butyl phthalate	Ave	1.095	1.036	0.0100	47300	50000	-5.4	20.0
Fluoranthene	Ave	0.9684	0.9575	0.6000	49400	50000	-1.1	20.0
Benzidine	Ave	0.4554	0.4627		50800	50000	1.6	20.0
Pyrene	Ave	1.610	1.438	0.6000	44700	50000	-10.7	20.0
Bisphenol-A	Ave	0.5636	0.5270		46800	50000	-6.5	20.0
Butyl benzyl phthalate	Ave	0.5873	0.5174	0.0100	44100	50000	-11.9	20.0
2,3,7,8-TCDD	Ave	0.1233	0.1722	0.0100	698	500	39.6*	20.0
Carbamazepine	Ave	0.3891	0.4030	0.0100	51800	50000	3.6	20.0
3,3'-Dichlorobenzidine	Ave	0.3772	0.4078	0.0100	54100	50000	8.1	20.0
Benzo[a]anthracene	Ave	1.150	1.096	0.8000	47600	50000	-4.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-100972-1
 SDG No.: _____
 Lab Sample ID: CCVIS 460-322397/2 Calibration Date: 09/15/2015 03:40
 Instrument ID: CBNAMS5 Calib Start Date: 09/03/2015 01:41
 GC Column: Rtxi-5Sil MS ID: 0.25 (mm) Calib End Date: 09/03/2015 05:11
 Lab File ID: x6402.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	0.8172	0.7270	0.0100	44500	50000	-11.0	20.0
Chrysene	Ave	1.032	1.009	0.7000	48900	50000	-2.2	20.0
Di-n-octyl phthalate	Ave	1.653	1.323	0.0100	40000	50000	-20.0	20.0
Benzo[b]fluoranthene	Ave	1.152	1.156	0.7000	50200	50000	0.3	20.0
Benzo[k]fluoranthene	Ave	1.256	1.153	0.7000	45900	50000	-8.2	20.0
Benzo[a]pyrene	Ave	1.033	1.037	0.7000	50200	50000	0.4	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.7211	0.9689	0.5000	67200	50000	34.4*	20.0
Dibenz(a,h)anthracene	Ave	0.7545	0.9565	0.4000	63400	50000	26.8*	20.0
Benzo[g,h,i]perylene	Ave	0.8076	0.9615	0.5000	59500	50000	19.0	20.0
2-Fluorophenol (Surr)	Ave	1.220	1.186	0.0100	48600	50000	-2.8	20.0
Phenol-d5 (Surr)	Ave	1.386	1.247	0.0100	45000	50000	-10.0	20.0
Nitrobenzene-d5	Ave	0.3443	0.3152	0.0100	45800	50000	-8.5	20.0
2-Fluorobiphenyl	Ave	1.370	1.412	0.0100	51500	50000	3.0	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1671	0.1798	0.0100	53800	50000	7.6	20.0
Terphenyl-d14	Ave	1.122	1.068	0.0100	47600	50000	-4.8	20.0

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150909-31608.b\z36194.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 10-Sep-2015 00:53:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031608-001
 Misc. Info.: 25 ppm bna 5244
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150909-31608.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 10-Sep-2015 12:44:55 Calib Date: 10-Sep-2015 07:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150909-31608.b\z36210.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK010

First Level Reviewer: asfawa

Date: 10-Sep-2015 01:23:29

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	5.434	5.434	0.000	93	10999	NC	NC	
56 Benzidine_T	184	7.257	7.257	0.000	99	57321	NC	NC	
124 DFTPP									
126 4,4'-DDD	235	7.939	7.939	0.000	1	300		NR	
127 4,4'-DDT	235	8.251	8.251	0.000	98	26687	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Reagents:

SMDFTP_CH_00011

Amount Added: 1.00

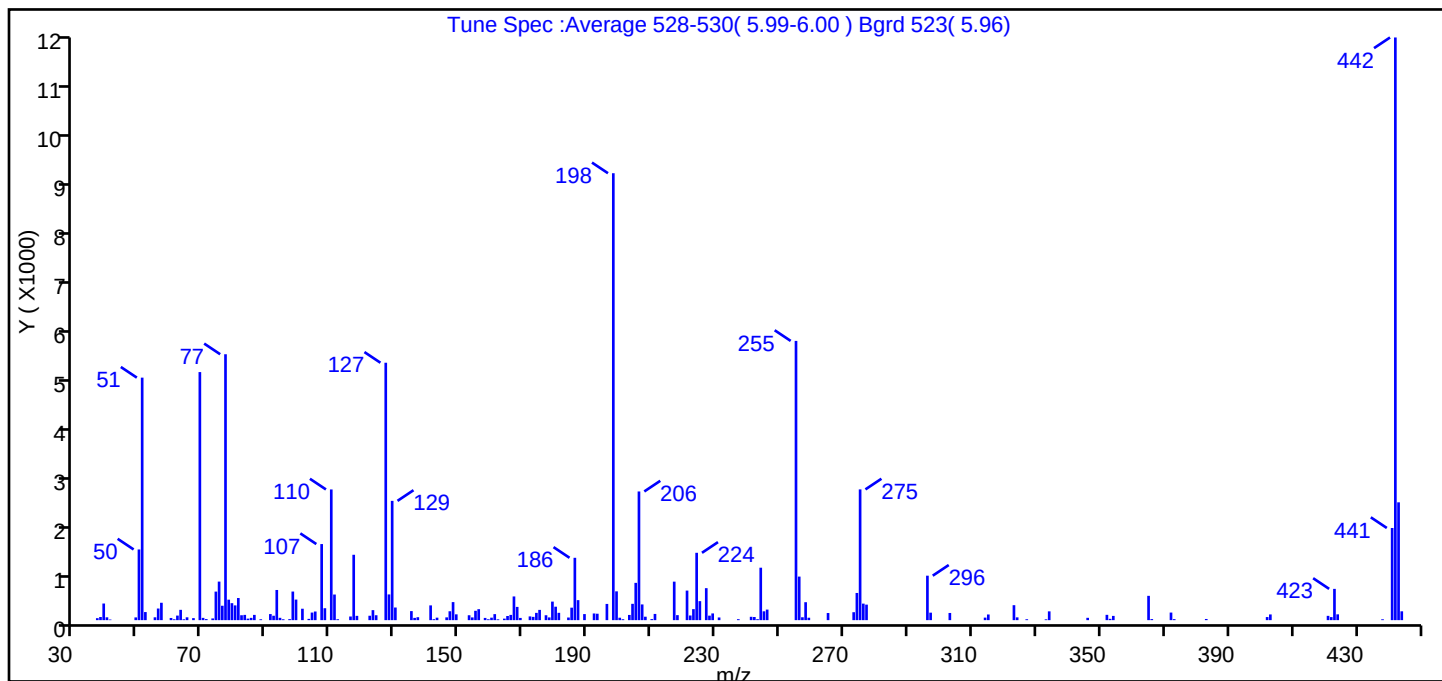
Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150909-31608.b\z36194.D
Injection Date: 10-Sep-2015 00:53:30 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	54.3
68	<2% of mass 69	0.0 (0.0)
69	Present	55.5
70	<2% of mass 69	0.5 (0.9)
127	40-60% of mass 198	57.6
197	<1% of mass 198	0.0
199	5-9% of mass 198	6.4
275	10-30% of mass 198	29.3
365	>1% of mass 198	5.4
441	Present but less than mass 443	20.6 (78.2)
442	>40% of mass 198	130.4
443	17-23% of mass 442	26.4 (20.2)

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150909-31608.b\z36194.D\8270_11R_9.rsl\spectra.d
Injection Date: 10-Sep-2015 00:53:30
Spectrum: Tune Spec :Average 528-530(5.99-6.00) Bgrd 523(5.96)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 177

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	39	101.00	226	173.00	65	246.00	209
38.00	62	103.00	25	174.00	144	255.00	5527
39.00	329	104.00	150	175.00	203	256.00	862
40.00	56	105.00	171	177.00	97	257.00	57
41.00	12	107.00	1506	178.00	54	258.00	355
49.00	54	108.00	236	179.00	367	259.00	48
50.00	1399	110.00	2587	180.00	266	265.00	141
51.00	4800	111.00	507	181.00	145	273.00	157
52.00	160	112.00	18	184.00	52	274.00	538
55.00	56	116.00	72	185.00	247	275.00	2588
56.00	230	117.00	1294	186.00	1234	276.00	327
57.00	344	118.00	85	187.00	396	277.00	307
60.00	43	122.00	87	189.00	120	296.00	880
61.00	17	123.00	198	192.00	132	297.00	148
62.00	90	124.00	97	193.00	127	303.00	142
63.00	204	127.00	5095	196.00	321	314.00	50
64.00	17	128.00	509	198.00	8846	315.00	112
65.00	56	129.00	2361	199.00	570	323.00	296
67.00	40	130.00	250	200.00	48	324.00	55
69.00	4910	135.00	179	201.00	18	327.00	18
70.00	45	136.00	45	203.00	103	333.00	16
71.00	21	137.00	58	204.00	323	334.00	174
73.00	34	141.00	292	205.00	738	346.00	46
74.00	565	142.00	19	206.00	2547	352.00	105
75.00	763	143.00	49	207.00	311	353.00	26
76.00	285	146.00	55	208.00	68	354.00	84
77.00	5263	147.00	176	210.00	21	365.00	481
78.00	405	148.00	357	211.00	123	366.00	21
79.00	336	149.00	115	217.00	762	372.00	150
80.00	292	153.00	97	218.00	99	373.00	20
81.00	438	154.00	54	221.00	585	383.00	23
82.00	97	155.00	185	222.00	92	402.00	61
83.00	104	156.00	217	223.00	218	403.00	113

Report Date: 10-Sep-2015 12:44:56

Chrom Revision: 2.2 23-Jul-2015 08:26:08

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150909-31608.b\z36194.D\8270_11R_9.rsl\spectra.d

Injection Date: 10-Sep-2015 00:53:30

Spectrum: Tune Spec :Average 528-530(5.99-6.00) Bgrd 523(5.96)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 177

m/z	Y	m/z	Y	m/z	Y	m/z	Y
84.00	30	158.00	44	224.00	1333	421.00	85
85.00	45	159.00	17	225.00	376	422.00	60
86.00	104	160.00	49	227.00	633	423.00	619
88.00	17	161.00	119	228.00	89	424.00	115
91.00	120	162.00	16	229.00	133	438.00	17
92.00	87	164.00	30	231.00	53	441.00	1824
93.00	597	165.00	82	237.00	19	442.00	11533
94.00	46	166.00	104	241.00	66	443.00	2332
95.00	17	167.00	469	242.00	62	444.00	175
97.00	20	168.00	262	243.00	19		
98.00	566	169.00	44	244.00	1038		
99.00	407	172.00	74	245.00	175		

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150909-31608.b\z36194.D
Injection Date: 10-Sep-2015 00:53:30 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

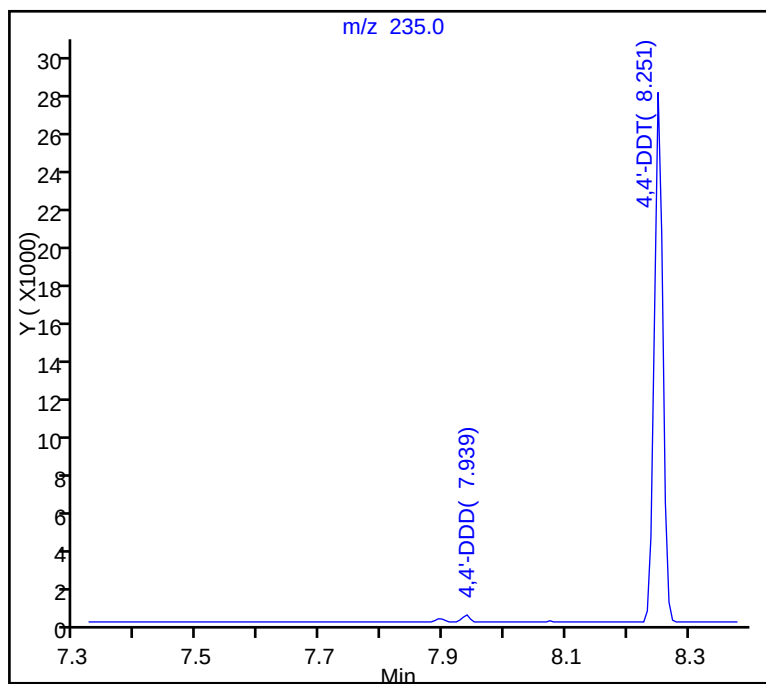
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 26687

126 4,4'-DDD, Area = 300

125 4,4'-DDE, Area = 0

%Breakdown: 1.11%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150909-31608.b\z36194.D
Injection Date: 10-Sep-2015 00:53:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9

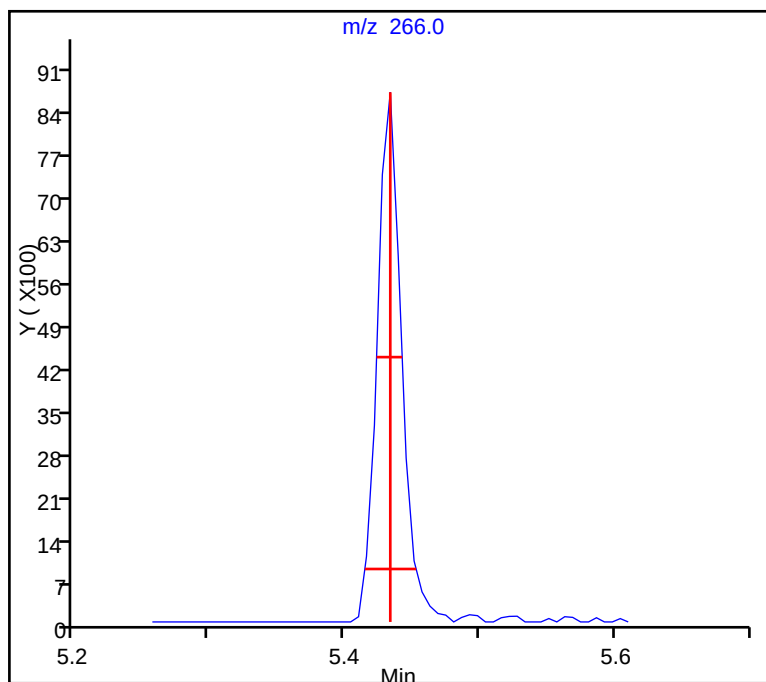
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

30 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.019 (min.)
Front Width = 0.019 (min.)

Tailing Factor = 1.0, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150909-31608.b\z36194.D
Injection Date: 10-Sep-2015 00:53:30 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

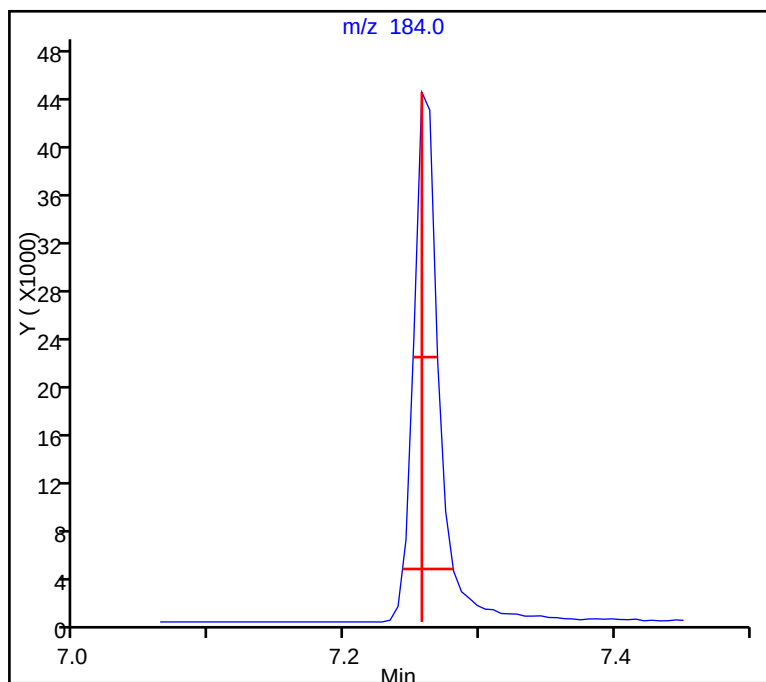
56 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.023 (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\CBNAMS11\20150915-31763.b\z36323.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 15-Sep-2015 02:35:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031763-001
 Misc. Info.: 25 ppm bna 5244
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 15-Sep-2015 17:11:57 Calib Date: 10-Sep-2015 07:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150909-31608.b\z36210.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK048

First Level Reviewer: asfawa

Date: 15-Sep-2015 03:07:46

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	5.346	5.346	0.000	95	4455	NC	NC	
56 Benzidine_T	184	7.169	7.169	0.000	99	147062	NC	NC	
124 DFTPP									
126 4,4'-DDD	235	7.845	7.845	0.000	93	808		NR	
127 4,4'-DDT	235	8.163	8.163	0.000	99	73042	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Reagents:

SMDFTP_CH_00011

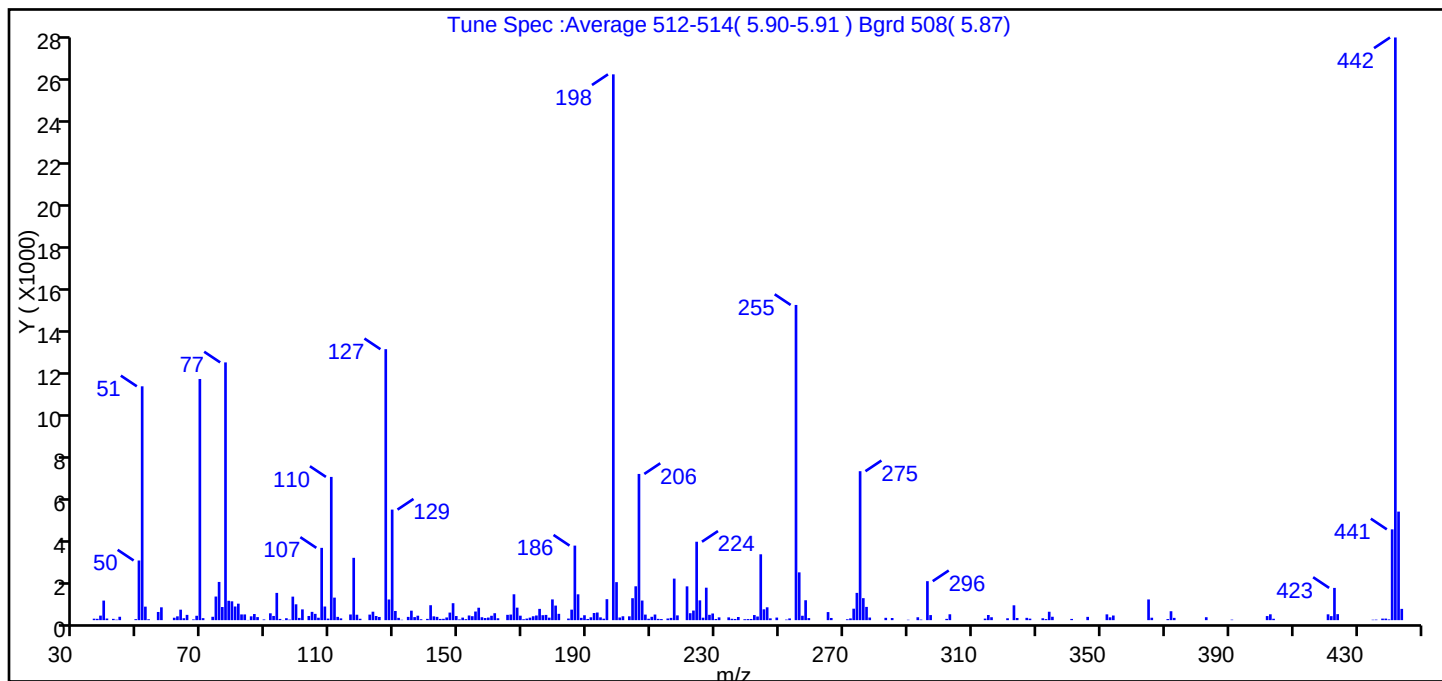
Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\z36323.D
Injection Date: 15-Sep-2015 02:35:30 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	42.8
68	<2% of mass 69	0.8 (1.8)
69	Present	44.2
70	<2% of mass 69	0.4 (0.8)
127	40-60% of mass 198	49.6
197	<1% of mass 198	0.0
199	5-9% of mass 198	7.0
275	10-30% of mass 198	27.3
365	>1% of mass 198	3.8
441	Present but less than mass 443	16.6 (83.7)
442	>40% of mass 198	106.8
443	17-23% of mass 442	19.9 (18.6)

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\z36323.D\8270_11R_9.rsl\spectra.d
Injection Date: 15-Sep-2015 02:35:30
Spectrum: Tune Spec :Average 512-514(5.90-5.91) Bgrd 508(5.87)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 245

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	68	113.00	82	186.00	3461	265.00	375
37.00	62	116.00	263	187.00	1200	266.00	101
38.00	210	117.00	2894	188.00	107	271.00	41
39.00	908	118.00	252	189.00	228	272.00	80
40.00	75	119.00	64	190.00	55	273.00	532
42.00	60	122.00	257	191.00	132	274.00	1266
43.00	22	123.00	392	192.00	332	275.00	6916
44.00	157	124.00	193	193.00	354	276.00	1021
49.00	47	125.00	148	194.00	129	277.00	615
50.00	2770	127.00	12582	195.00	67	278.00	121
51.00	10858	128.00	959	196.00	974	283.00	108
52.00	627	129.00	5133	198.00	25344	285.00	99
53.00	41	130.00	426	199.00	1765	290.00	18
55.00	1	131.00	107	200.00	123	293.00	134
56.00	379	132.00	17	201.00	180	294.00	25
57.00	596	134.00	151	203.00	178	296.00	1810
61.00	112	135.00	440	204.00	1019	297.00	235
62.00	177	136.00	141	205.00	1572	302.00	59
63.00	486	137.00	206	206.00	6789	303.00	273
64.00	89	138.00	42	207.00	910	314.00	71
65.00	245	140.00	59	208.00	258	315.00	239
67.00	35	141.00	693	209.00	65	316.00	135
68.00	203	142.00	177	210.00	155	321.00	87
69.00	11198	143.00	152	211.00	261	323.00	689
70.00	93	144.00	57	212.00	60	324.00	100
73.00	156	145.00	62	213.00	50	327.00	107
74.00	1096	146.00	125	215.00	76	328.00	70
75.00	1774	147.00	351	216.00	105	332.00	87
76.00	609	148.00	787	217.00	1929	333.00	49
77.00	11968	149.00	191	218.00	221	334.00	390
78.00	900	150.00	33	221.00	1569	335.00	157
79.00	874	151.00	118	222.00	322	341.00	57
80.00	634	152.00	46	223.00	445	346.00	152

m/z	Y	m/z	Y	m/z	Y	m/z	Y
81.00	765	153.00	216	224.00	3641	352.00	269
82.00	266	154.00	183	225.00	919	353.00	132
83.00	265	155.00	400	226.00	114	354.00	215
84.00	9	156.00	577	227.00	1507	365.00	961
85.00	177	157.00	135	228.00	247	366.00	113
86.00	284	158.00	98	229.00	309	371.00	51
87.00	141	159.00	120	230.00	54	372.00	414
89.00	33	160.00	203	231.00	129	373.00	105
91.00	318	161.00	322	234.00	129	383.00	136
92.00	194	162.00	87	235.00	63	391.00	23
93.00	1265	165.00	247	236.00	54	402.00	190
94.00	57	166.00	260	237.00	146	403.00	272
95.00	8	167.00	1201	239.00	42	404.00	64
96.00	89	168.00	580	240.00	50	421.00	271
97.00	24	169.00	207	241.00	54	422.00	186
98.00	1092	170.00	42	242.00	237	423.00	1497
99.00	736	171.00	73	243.00	169	424.00	278
100.00	104	172.00	116	244.00	3058	435.00	19
101.00	500	173.00	181	245.00	503	436.00	24
103.00	193	174.00	216	246.00	596	438.00	72
104.00	385	175.00	523	247.00	83	439.00	72
105.00	292	176.00	230	249.00	119	440.00	34
106.00	112	177.00	243	252.00	26	441.00	4216
107.00	3357	178.00	116	253.00	80	442.00	27056
108.00	633	179.00	963	255.00	14636	443.00	5040
109.00	72	180.00	676	256.00	2219	444.00	523
110.00	6651	181.00	293	257.00	204		
111.00	1046	184.00	74	258.00	924		
112.00	152	185.00	488	259.00	95		

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\z36323.D
Injection Date: 15-Sep-2015 02:35:30 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

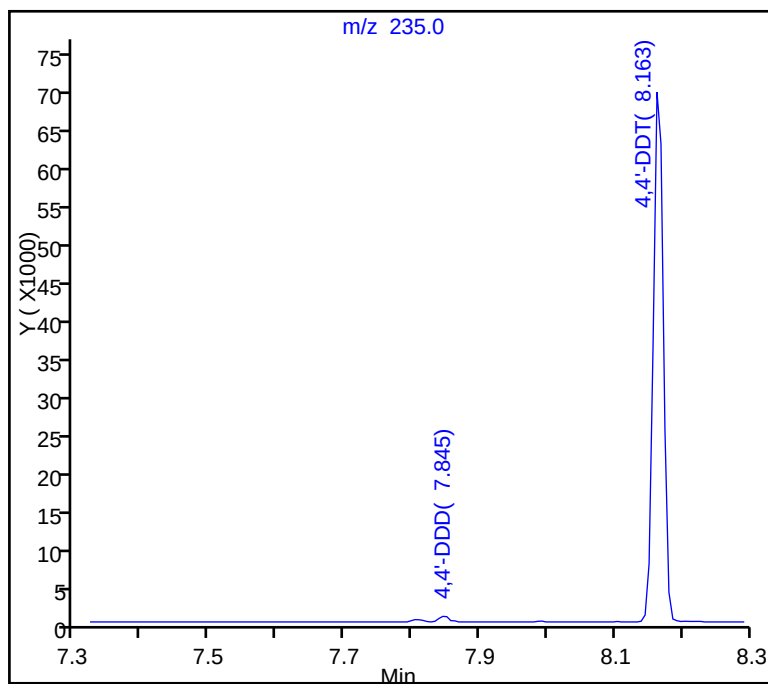
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 73042

126 4,4'-DDD, Area = 808

125 4,4'-DDE, Area = 0

%Breakdown: 1.09%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\z36323.D
Injection Date: 15-Sep-2015 02:35:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9

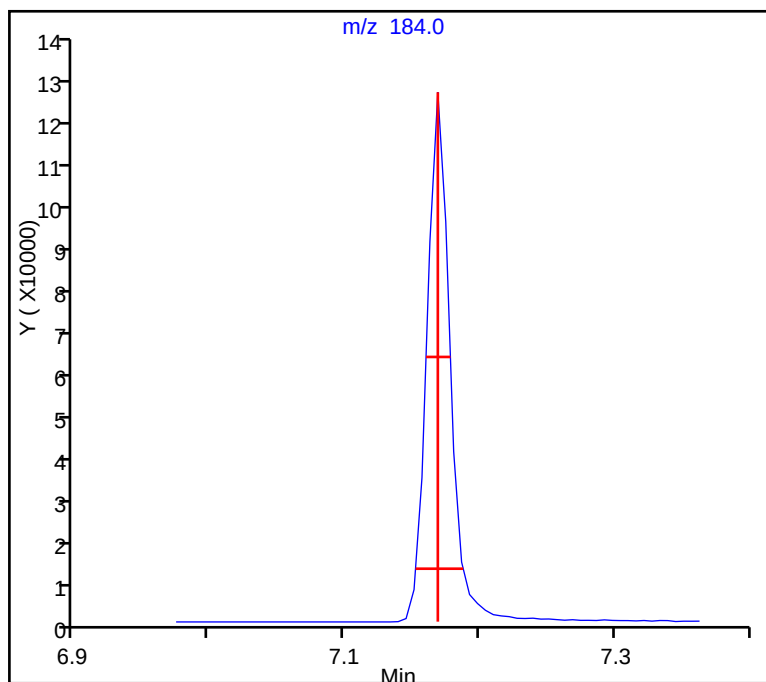
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

56 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.019 (min.)
Front Width = 0.017 (min.)

Tailing Factor = 1.1, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\z36323.D
Injection Date: 15-Sep-2015 02:35:30 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

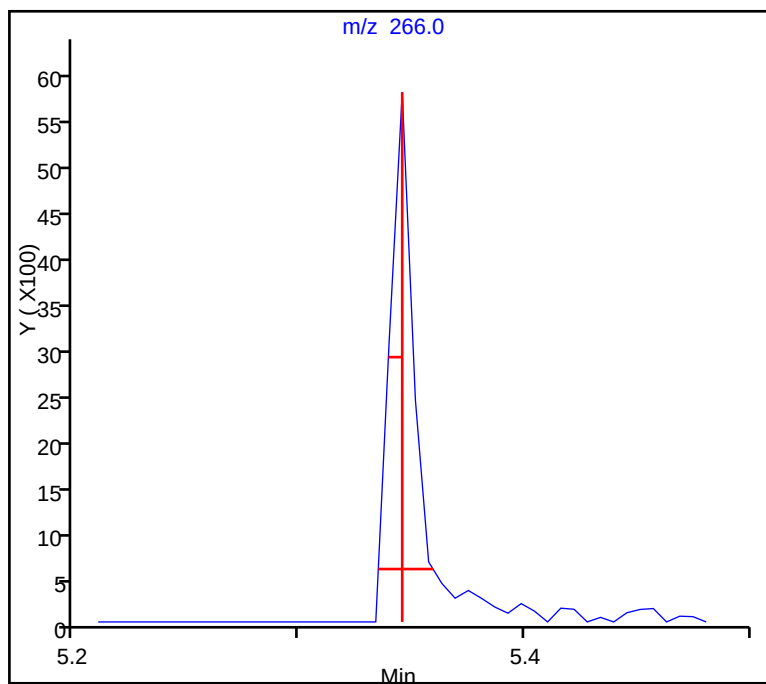
30 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)

Front Width = 0.011 (min.)

Tailing Factor = 1.3, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150916-31819.b\z36357.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 16-Sep-2015 06:25:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031819-001
 Misc. Info.: 25 ppm bna 5244
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150916-31819.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 16-Sep-2015 12:23:51 Calib Date: 10-Sep-2015 07:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150909-31608.b\z36210.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK049

First Level Reviewer: asfawa

Date: 16-Sep-2015 06:55:57

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	5.310	5.310	0.000	94	17643	NC	NC	
56 Benzidine_T	184	7.139	7.139	0.000	99	125708	NC	NC	
124 DFTPP									
126 4,4'-DDD	235	7.822	7.822	0.000	92	849		NR	
127 4,4'-DDT	235	8.139	8.139	0.000	99	59915	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Reagents:

SMDFTP_CH_00011

Amount Added: 1.00

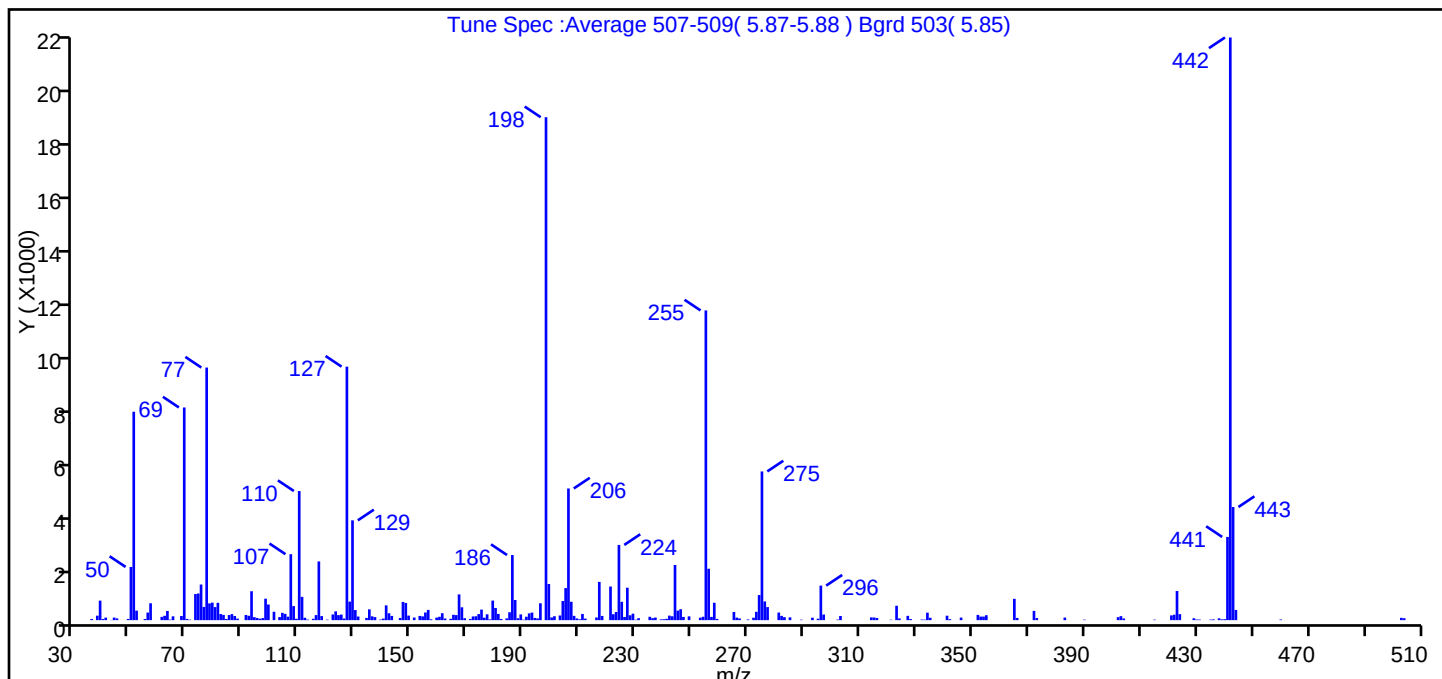
Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150916-31819.b\z36357.D
Injection Date: 16-Sep-2015 06:25:30 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	41.4
68	<2% of mass 69	0.8 (2.0)
69	Present	42.3
70	<2% of mass 69	0.2 (0.6)
127	40-60% of mass 198	50.4
197	<1% of mass 198	0.0
199	5-9% of mass 198	7.2
275	10-30% of mass 198	29.6
365	>1% of mass 198	4.2
441	Present but less than mass 443	16.5 (73.5)
442	>40% of mass 198	115.9
443	17-23% of mass 442	22.5 (19.4)

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150916-31819.b\z36357.D\8270_11R_9.rsl\spectra.d
Injection Date: 16-Sep-2015 06:25:30
Spectrum: Tune Spec :Average 507-509(5.87-5.88) Bgrd 503(5.85)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 247

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	43	116.00	184	191.00	125	276.00	683
38.00	163	117.00	2144	192.00	247	277.00	477
39.00	713	118.00	148	193.00	276	281.00	277
40.00	41	120.00	18	194.00	81	282.00	155
41.00	93	122.00	207	195.00	64	283.00	109
43.00	7	123.00	320	196.00	616	285.00	102
44.00	94	124.00	184	198.00	18368	289.00	17
45.00	64	125.00	204	199.00	1319	293.00	89
49.00	44	126.00	59	200.00	97	295.00	52
50.00	1943	127.00	9258	201.00	143	296.00	1261
51.00	7611	128.00	676	203.00	170	297.00	205
52.00	348	129.00	3645	204.00	698	302.00	20
55.00	42	130.00	368	205.00	1171	303.00	152
56.00	277	131.00	132	206.00	4809	314.00	100
57.00	617	134.00	81	207.00	671	315.00	96
61.00	119	135.00	394	208.00	157	316.00	80
62.00	159	136.00	139	209.00	62	321.00	16
63.00	335	137.00	112	210.00	31	323.00	525
64.00	20	139.00	22	211.00	226	324.00	62
65.00	139	140.00	56	212.00	56	327.00	157
68.00	152	141.00	540	216.00	97	328.00	40
69.00	7767	142.00	252	217.00	1397	332.00	21
70.00	45	143.00	154	218.00	154	333.00	19
71.00	17	146.00	80	221.00	1228	334.00	273
73.00	954	147.00	664	222.00	216	335.00	87
74.00	973	148.00	628	223.00	298	341.00	162
75.00	1301	149.00	166	224.00	2747	342.00	37
76.00	482	151.00	96	225.00	669	346.00	93
77.00	9225	153.00	154	226.00	117	352.00	190
78.00	612	154.00	137	227.00	1185	353.00	130
79.00	639	155.00	279	228.00	178	354.00	130
80.00	476	156.00	373	229.00	236	355.00	180
81.00	633	157.00	31	230.00	16	365.00	779

m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	223	159.00	92	231.00	71	366.00	81
83.00	192	160.00	122	235.00	123	372.00	338
84.00	44	161.00	253	236.00	73	373.00	76
85.00	185	162.00	60	237.00	95	383.00	94
86.00	220	164.00	48	239.00	28	390.00	18
87.00	150	165.00	196	240.00	34	402.00	110
88.00	56	166.00	185	241.00	48	403.00	146
91.00	189	167.00	940	242.00	165	404.00	61
92.00	160	168.00	469	243.00	140	415.00	18
93.00	1056	169.00	70	244.00	2014	421.00	174
94.00	108	171.00	45	245.00	347	422.00	198
95.00	80	172.00	135	246.00	400	423.00	1064
96.00	53	173.00	142	247.00	118	424.00	219
97.00	76	174.00	221	249.00	139	429.00	69
98.00	783	175.00	386	253.00	90	430.00	23
99.00	571	176.00	90	254.00	123	431.00	22
101.00	307	177.00	213	255.00	11311	435.00	20
103.00	112	178.00	30	256.00	1877	436.00	28
104.00	267	179.00	714	257.00	118	438.00	65
105.00	229	180.00	444	258.00	635	439.00	29
106.00	126	181.00	228	259.00	44	440.00	35
107.00	2409	182.00	44	265.00	299	441.00	3039
108.00	513	184.00	64	266.00	93	442.00	21280
109.00	50	185.00	288	267.00	63	443.00	4132
110.00	4715	186.00	2378	270.00	25	444.00	373
111.00	851	187.00	736	272.00	89	460.00	24
112.00	88	188.00	70	273.00	304	503.00	84
113.00	21	189.00	209	274.00	917	504.00	70
115.00	50	190.00	18	275.00	5431		

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150916-31819.b\z36357.D
Injection Date: 16-Sep-2015 06:25:30 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

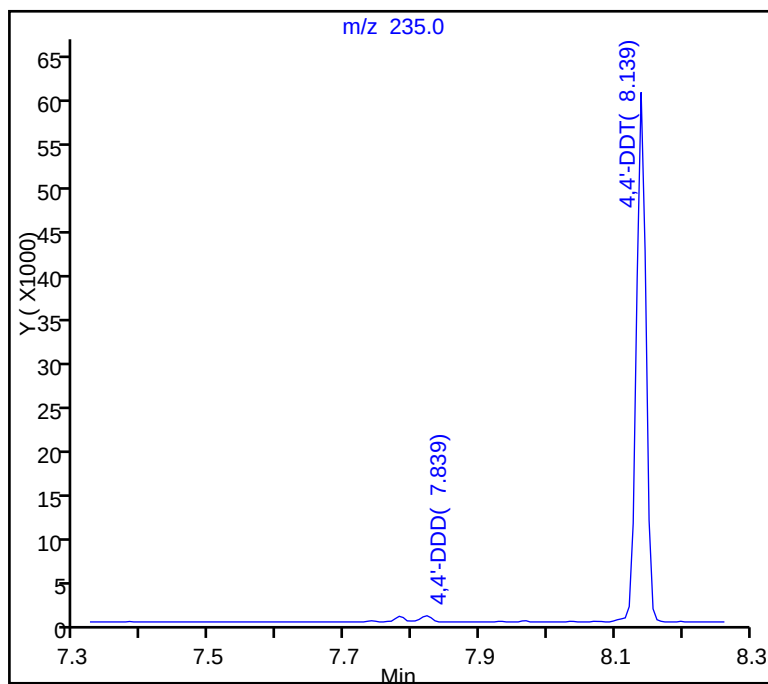
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 59915

126 4,4'-DDD, Area = 849

125 4,4'-DDE, Area = 0

%Breakdown: 1.40%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150916-31819.b\z36357.D
Injection Date: 16-Sep-2015 06:25:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9

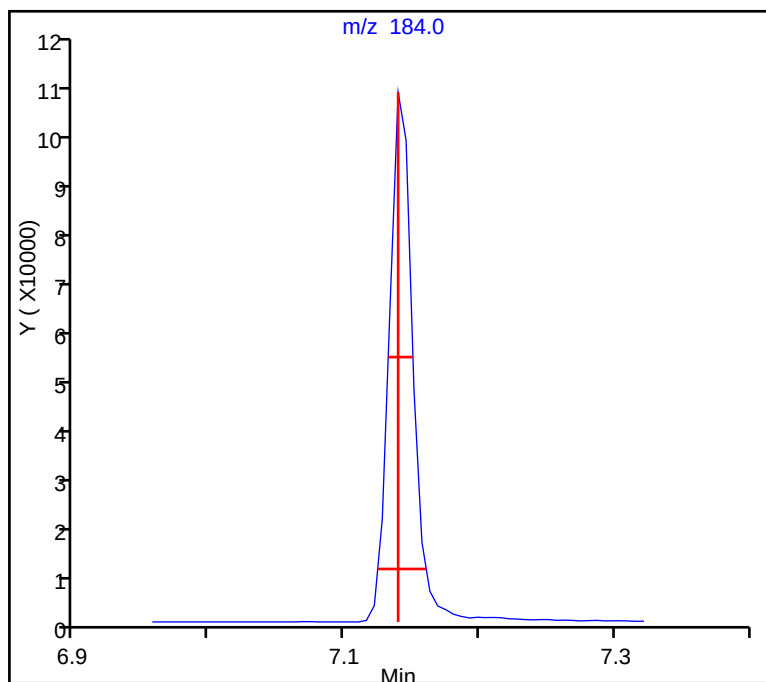
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

56 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.021 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 1.4, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150916-31819.b\z36357.D
Injection Date: 16-Sep-2015 06:25:30 Instrument ID: CBNAMS11
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_11R_9

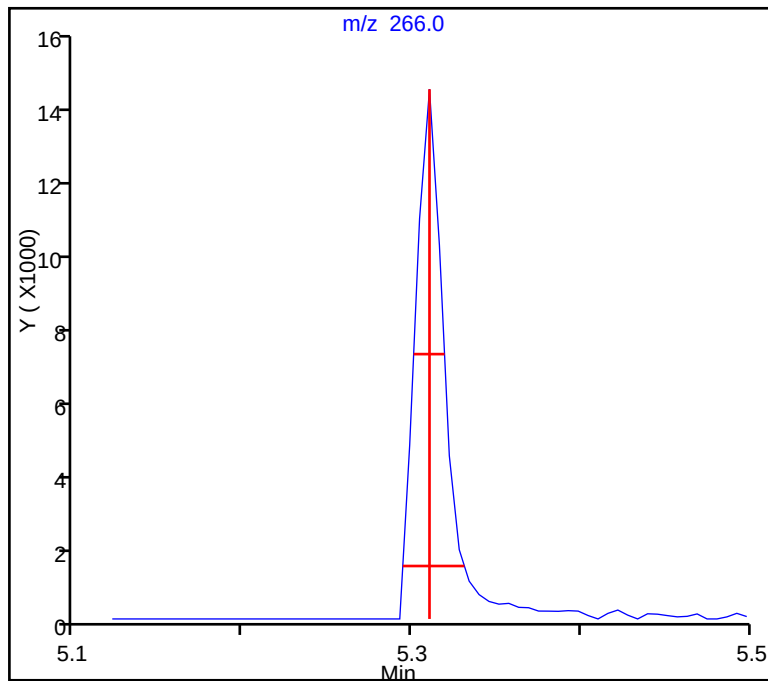
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

30 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.021 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 1.3, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150827-31172.b\L125021.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 27-Aug-2015 02:21:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031172-001
 Misc. Info.: DFTPP
 Operator ID: BNA 12 Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20150827-31172.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 27-Aug-2015 12:15:25 Calib Date: 27-Aug-2015 09:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20150827-31172.b\L125037.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK031

First Level Reviewer: kimh

Date: 27-Aug-2015 02:50:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
23 Pentachlorophenol_T	266	5.075	5.075	0.000	95	50995	NC	NC	
47 Benzidine_T	184	6.863	6.863	0.000	100	194657	NC	NC	
121 DFTPP									
123 4,4'-DDD	235	7.534	7.534	0.000	93	1036		NR	
124 4,4'-DDT	235	7.845	7.845	0.000	99	89387	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Reagents:

SMDFTP_CH_00011

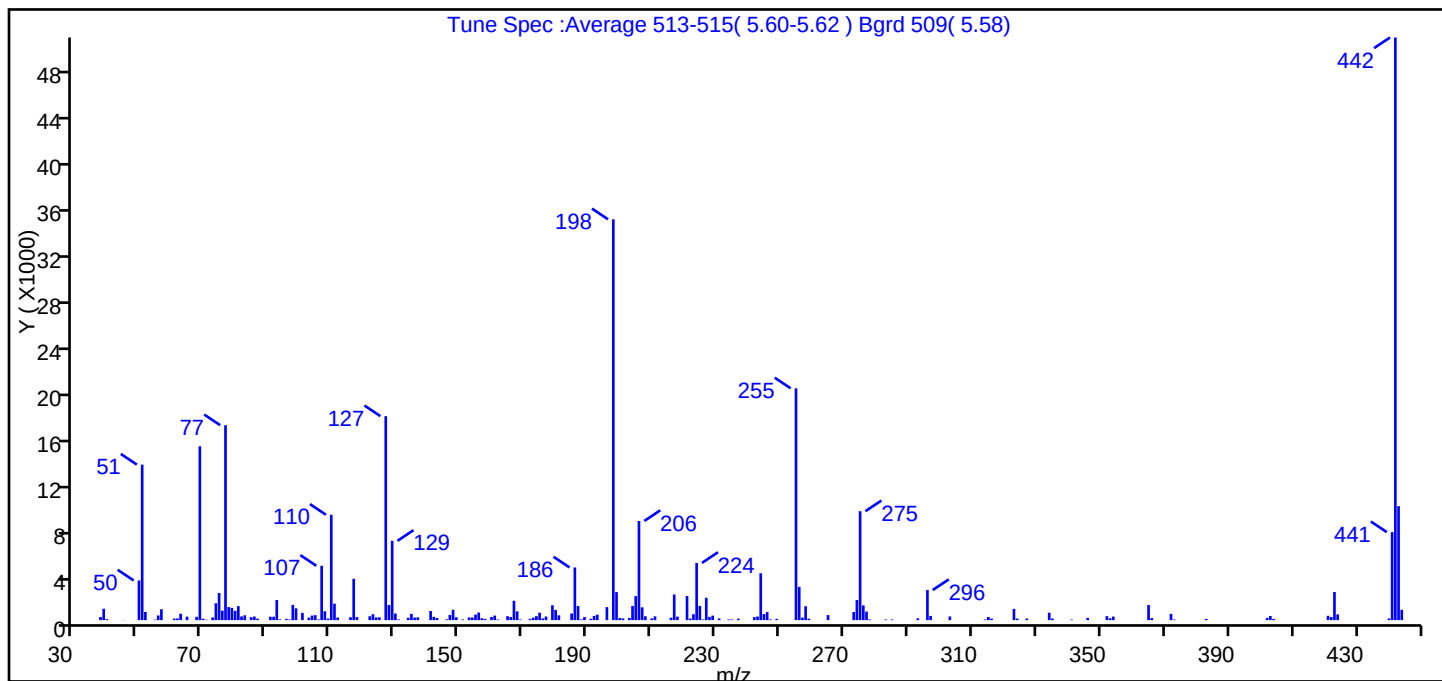
Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150827-31172.b\L125021.D
Injection Date: 27-Aug-2015 02:21:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID: BNA 12 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270D ICAL
Tune Method: DFTPP Method 8270

121 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	38.8
68	<2% of mass 69	0.8 (1.9)
69	Present	43.4
70	<2% of mass 69	0.4 (0.8)
127	40-60% of mass 198	50.9
197	<1% of mass 198	0.0
199	5-9% of mass 198	7.0
275	10-30% of mass 198	27.2
365	>1% of mass 198	3.8
441	Present but less than mass 443	22.0 (77.2)
442	>40% of mass 198	145.3
443	17-23% of mass 442	28.4 (19.6)

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150827-31172.b\L125021.D\8270_12R_9.rsl\spectra.d
Injection Date: 27-Aug-2015 02:21:30
Spectrum: Tune Spec :Average 513-515(5.60-5.62) Bgrd 509(5.58)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 191

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	269	109.00	135	179.00	1294	256.00	2894
39.00	992	110.00	9155	180.00	890	257.00	217
40.00	87	111.00	1433	181.00	422	258.00	1208
41.00	5	112.00	227	185.00	580	259.00	128
45.00	12	116.00	255	186.00	4578	265.00	440
50.00	3449	117.00	3591	187.00	1233	273.00	710
51.00	13511	118.00	268	188.00	62	274.00	1747
52.00	710	122.00	336	189.00	269	275.00	9465
55.00	46	123.00	511	191.00	120	276.00	1283
56.00	406	124.00	239	192.00	369	277.00	744
57.00	945	125.00	246	193.00	469	278.00	63
61.00	135	127.00	17720	196.00	1133	283.00	59
62.00	152	128.00	1315	198.00	34824	285.00	56
63.00	559	129.00	6890	199.00	2436	293.00	160
65.00	304	130.00	575	200.00	187	296.00	2614
68.00	292	131.00	59	201.00	149	297.00	367
69.00	15102	134.00	209	203.00	183	303.00	319
70.00	128	135.00	547	204.00	1238	314.00	57
71.00	39	136.00	225	205.00	2088	315.00	273
73.00	232	137.00	244	206.00	8615	316.00	133
74.00	1470	141.00	789	207.00	1113	323.00	979
75.00	2359	142.00	287	208.00	336	324.00	137
76.00	828	143.00	183	210.00	153	327.00	136
77.00	16936	146.00	67	211.00	327	334.00	646
78.00	1136	147.00	457	216.00	214	335.00	144
79.00	1063	148.00	905	217.00	2229	341.00	53
80.00	806	149.00	249	218.00	304	346.00	196
81.00	1221	151.00	58	221.00	2096	352.00	346
82.00	322	153.00	237	222.00	139	353.00	163
83.00	419	154.00	230	223.00	514	354.00	310
85.00	262	155.00	480	224.00	4972	365.00	1320
86.00	313	156.00	663	225.00	1229	366.00	176
87.00	127	157.00	169	226.00	59	372.00	544

Report Date: 27-Aug-2015 12:15:28

Chrom Revision: 2.2 23-Jul-2015 08:26:08

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150827-31172.b\L125021.D\8270_12R_9.rsl\spectra.d

Injection Date: 27-Aug-2015 02:21:30

Spectrum: Tune Spec :Average 513-515(5.60-5.62) Bgrd 509(5.58)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 191

m/z	Y	m/z	Y	m/z	Y	m/z	Y
91.00	297	158.00	110	227.00	1943	373.00	55
92.00	296	160.00	274	228.00	285	383.00	110
93.00	1746	161.00	394	229.00	393	402.00	196
94.00	62	162.00	53	231.00	144	403.00	359
96.00	116	165.00	344	234.00	59	404.00	108
97.00	54	166.00	271	235.00	54	421.00	377
98.00	1327	167.00	1687	237.00	129	422.00	270
99.00	1029	168.00	765	242.00	265	423.00	2442
101.00	633	169.00	52	243.00	318	424.00	502
103.00	216	172.00	119	244.00	4074	440.00	149
104.00	397	173.00	216	245.00	529	441.00	7645
105.00	433	174.00	348	246.00	702	442.00	50616
106.00	58	175.00	647	247.00	61	443.00	9903
107.00	4722	176.00	150	249.00	112	444.00	898
108.00	770	177.00	316	255.00	20136		

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150827-31172.b\L125021.D
Injection Date: 27-Aug-2015 02:21:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID: BNA 12 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270D ICAL

124 4,4'-DDT, Detector: MS SCAN

SW-846 Method

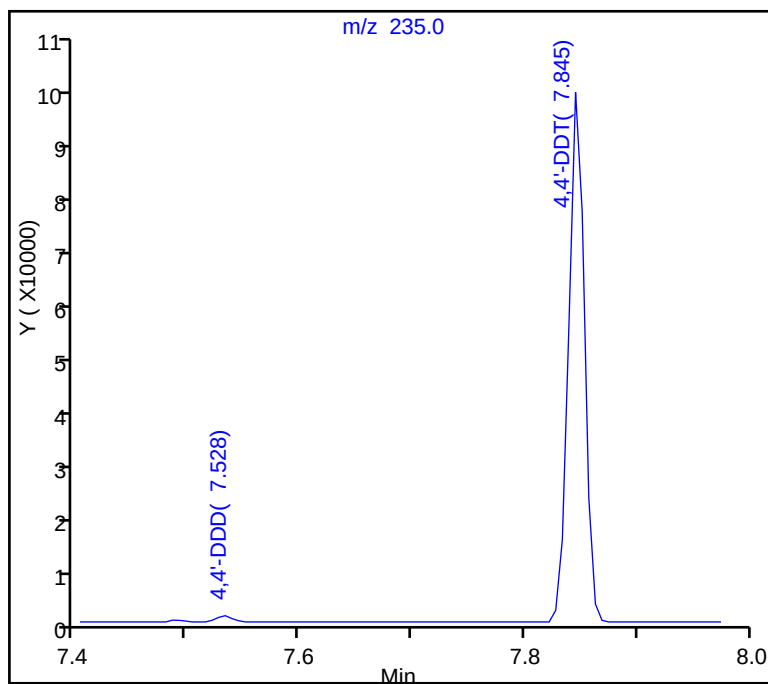
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

124 4,4'-DDT, Area = 89387

123 4,4'-DDD, Area = 1036

122 4,4'-DDE, Area = 0

%Breakdown: 1.15%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150827-31172.b\L125021.D
Injection Date: 27-Aug-2015 02:21:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID: BNA 12 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270D ICAL

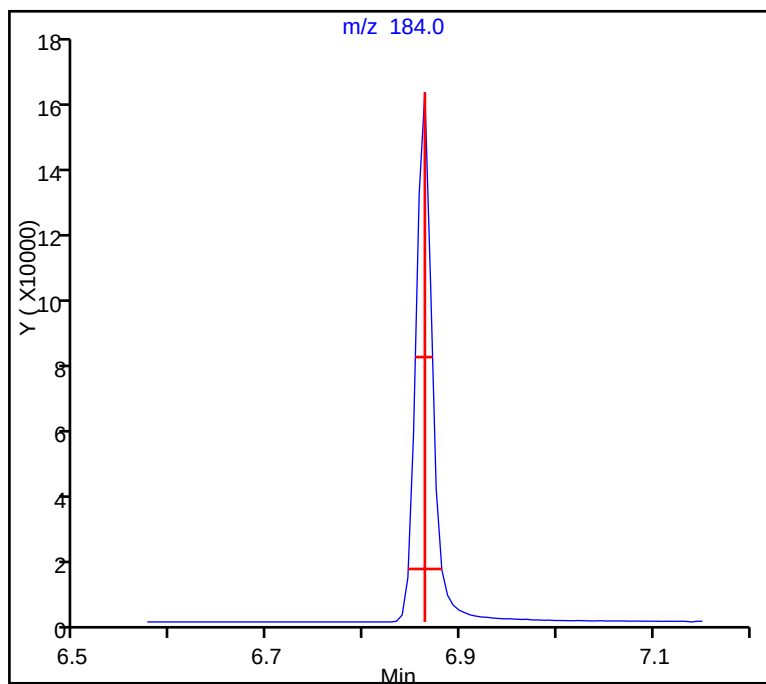
47 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.018 (min.)

Front Width = 0.017 (min.)

Tailing Factor = 1.0, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150827-31172.b\L125021.D
Injection Date: 27-Aug-2015 02:21:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID: BNA 12 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270D ICAL

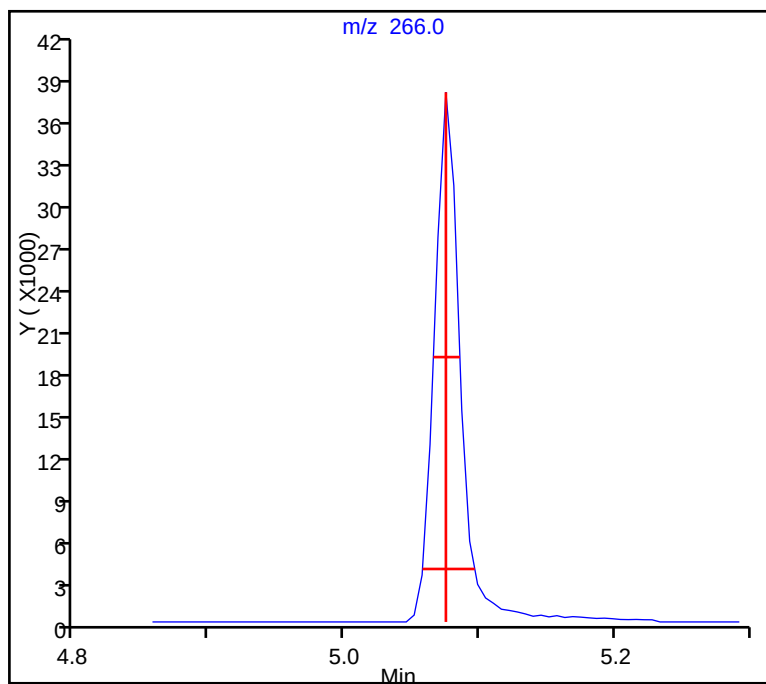
23 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.021 (min.)

Front Width = 0.017 (min.)

Tailing Factor = 1.2, Max. Tailing < 2.00

Passed
-----

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150915-31799.b\L125761.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 15-Sep-2015 15:54:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031798-001
 Misc. Info.: DFTPP
 Operator ID: BNA 12 Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20150915-31799.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 16-Sep-2015 07:08:51 Calib Date: 27-Aug-2015 09:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20150827-31172.b\L125037.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK048

First Level Reviewer: chanchanasophonw

Date: 16-Sep-2015 09:32:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
23 Pentachlorophenol_T	266	4.687	4.687	0.000	96	34944	NC	NC	
47 Benzidine_T	184	6.469	6.469	0.000	100	194249	NC	NC	
121 DFTPP									
123 4,4'-DDD	235	7.133	7.133	0.000	92	1174		NR	
124 4,4'-DDT	235	7.451	7.451	0.000	98	92841	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Reagents:

SMDFTP_CH_00011

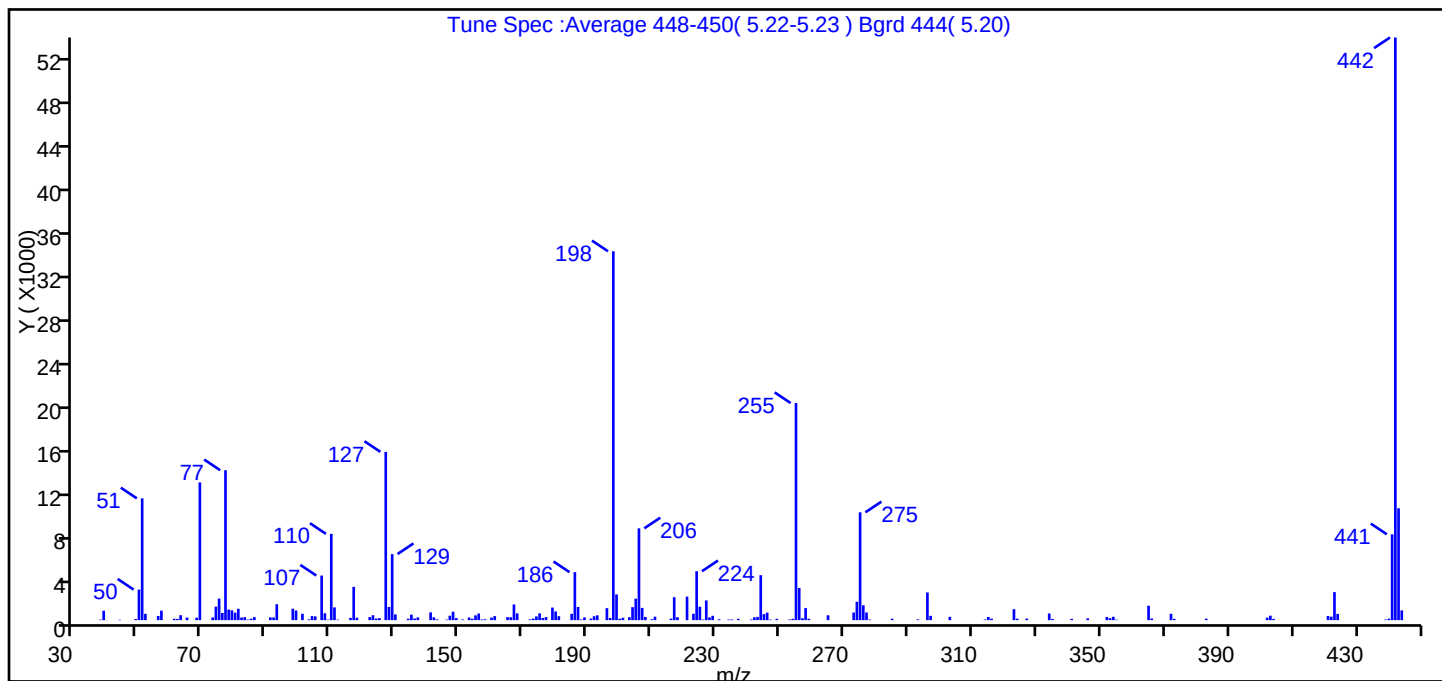
Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150915-31799.b\L125761.D
Injection Date: 15-Sep-2015 15:54:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID: BNA 12 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270D ICAL
Tune Method: DFTPP Method 8270

121 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	33.0
68	<2% of mass 69	0.7 (1.8)
69	Present	37.3
70	<2% of mass 69	0.0 (0.0)
127	40-60% of mass 198	45.6
197	<1% of mass 198	0.6
199	5-9% of mass 198	7.0
275	10-30% of mass 198	29.2
365	>1% of mass 198	3.9
441	Present but less than mass 443	23.3 (76.7)
442	>40% of mass 198	158.0
443	17-23% of mass 442	30.3 (19.2)

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150915-31799.b\L125761.D\8270_12R_9.rsl\spectra.d
Injection Date: 15-Sep-2015 15:54:30
Spectrum: Tune Spec :Average 448-450(5.22-5.23) Bgrd 444(5.20)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 185

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	51	118.00	224	191.00	143	265.00	451
39.00	867	122.00	284	192.00	359	273.00	706
40.00	13	123.00	453	193.00	446	274.00	1705
44.00	42	124.00	148	196.00	1109	275.00	9979
49.00	108	125.00	184	197.00	200	276.00	1373
50.00	2826	127.00	15570	198.00	34136	277.00	710
51.00	11269	128.00	1223	199.00	2383	278.00	56
52.00	583	129.00	6115	200.00	129	285.00	128
56.00	389	130.00	529	201.00	222	293.00	75
57.00	884	134.00	131	203.00	274	296.00	2561
61.00	125	135.00	507	204.00	1202	297.00	399
62.00	120	136.00	156	205.00	1988	303.00	306
63.00	461	137.00	252	206.00	8497	314.00	58
65.00	238	141.00	719	207.00	1134	315.00	291
68.00	229	142.00	261	208.00	298	316.00	143
69.00	12747	143.00	79	210.00	84	323.00	1015
73.00	251	146.00	50	211.00	319	324.00	135
74.00	1248	147.00	410	216.00	139	327.00	144
75.00	1996	148.00	782	217.00	2125	334.00	613
76.00	664	149.00	191	218.00	271	335.00	114
77.00	13876	151.00	63	221.00	2176	341.00	120
78.00	977	153.00	245	223.00	588	346.00	167
79.00	910	154.00	132	224.00	4527	352.00	296
80.00	693	155.00	443	225.00	1240	353.00	182
81.00	1050	156.00	612	226.00	60	354.00	308
82.00	241	157.00	63	227.00	1822	355.00	50
83.00	283	158.00	82	228.00	255	365.00	1333
84.00	53	160.00	237	229.00	403	366.00	152
85.00	135	161.00	373	231.00	79	372.00	587
86.00	283	165.00	283	234.00	55	373.00	119
91.00	259	166.00	268	235.00	66	383.00	133
92.00	248	167.00	1449	237.00	126	402.00	231
93.00	1473	168.00	624	241.00	63	403.00	412

Report Date: 16-Sep-2015 07:08:53

Chrom Revision: 2.2 23-Jul-2015 08:26:08

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150915-31799.b\L125761.D\8270_12R_9.rsl\spectra.d

Injection Date: 15-Sep-2015 15:54:30

Spectrum: Tune Spec :Average 448-450(5.22-5.23) Bgrd 444(5.20)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 185

m/z	Y	m/z	Y	m/z	Y	m/z	Y
98.00	1054	172.00	71	242.00	265	404.00	117
99.00	892	173.00	145	243.00	301	421.00	383
101.00	589	174.00	346	244.00	4162	422.00	318
103.00	75	175.00	631	245.00	557	423.00	2595
104.00	376	176.00	203	246.00	694	424.00	580
105.00	347	177.00	282	247.00	52	439.00	54
107.00	4125	179.00	1163	249.00	123	440.00	136
108.00	636	180.00	806	253.00	59	441.00	7945
109.00	50	181.00	363	254.00	119	442.00	53920
110.00	7985	185.00	586	255.00	20088	443.00	10355
111.00	1181	186.00	4440	256.00	2982	444.00	901
112.00	51	187.00	1219	257.00	176		
116.00	212	188.00	60	258.00	1114		
117.00	3079	189.00	256	259.00	128		

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150915-31799.b\L125761.D
Injection Date: 15-Sep-2015 15:54:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID: BNA 12 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270D ICAL

124 4,4'-DDT, Detector: MS SCAN

SW-846 Method

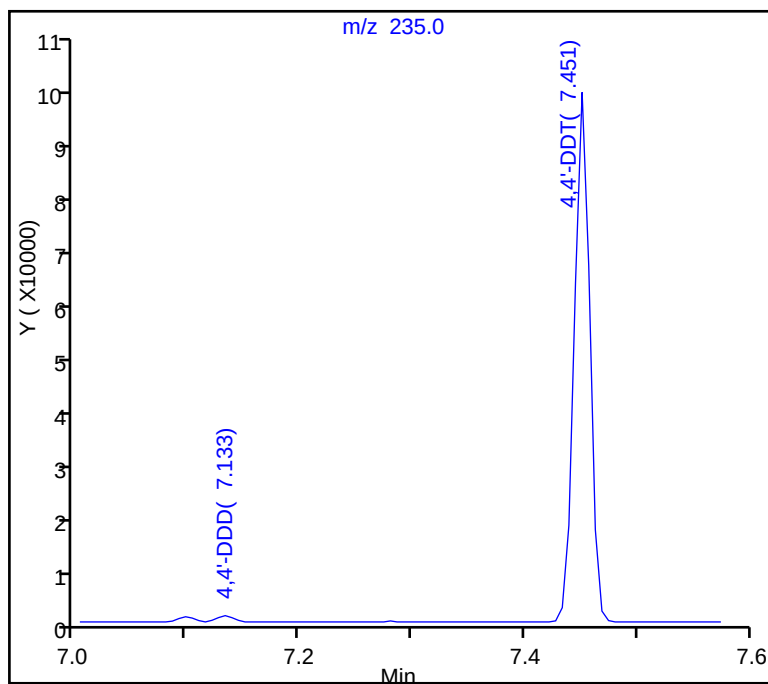
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

124 4,4'-DDT, Area = 92841

123 4,4'-DDD, Area = 1174

122 4,4'-DDE, Area = 0

%Breakdown: 1.25%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150915-31799.b\L125761.D
Injection Date: 15-Sep-2015 15:54:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID: BNA 12 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270D ICAL

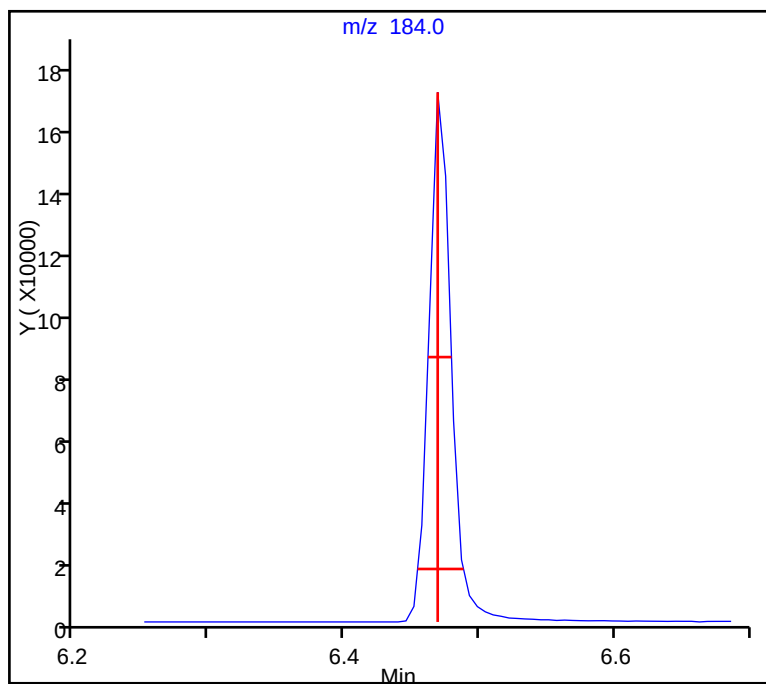
47 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.019 (min.)

Front Width = 0.015 (min.)

Tailing Factor = 1.3, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150915-31799.b\L125761.D
Injection Date: 15-Sep-2015 15:54:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID: BNA 12 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270D ICAL

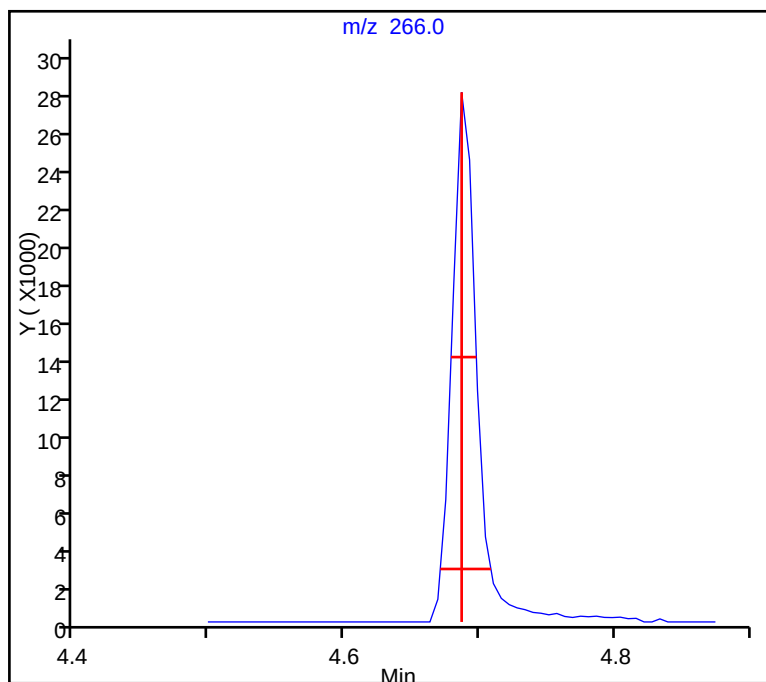
23 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.022 (min.)

Front Width = 0.016 (min.)

Tailing Factor = 1.4, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125791.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 16-Sep-2015 04:41:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031812-001
 Misc. Info.: DFTPP
 Operator ID: BNA 12 Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 16-Sep-2015 13:48:14 Calib Date: 27-Aug-2015 09:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20150827-31172.b\L125037.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK049

First Level Reviewer: asfawa

Date: 16-Sep-2015 05:08:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
23 Pentachlorophenol_T	266	4.687	4.687	0.000	95	24590	NC	NC	
47 Benzidine_T	184	6.469	6.469	0.000	99	192090	NC	NC	
121 DFTPP									
123 4,4'-DDD	235	7.134	7.134	0.000	92	963		NR	
124 4,4'-DDT	235	7.451	7.451	0.000	98	77776	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Reagents:

SMDFTP_CH_00011

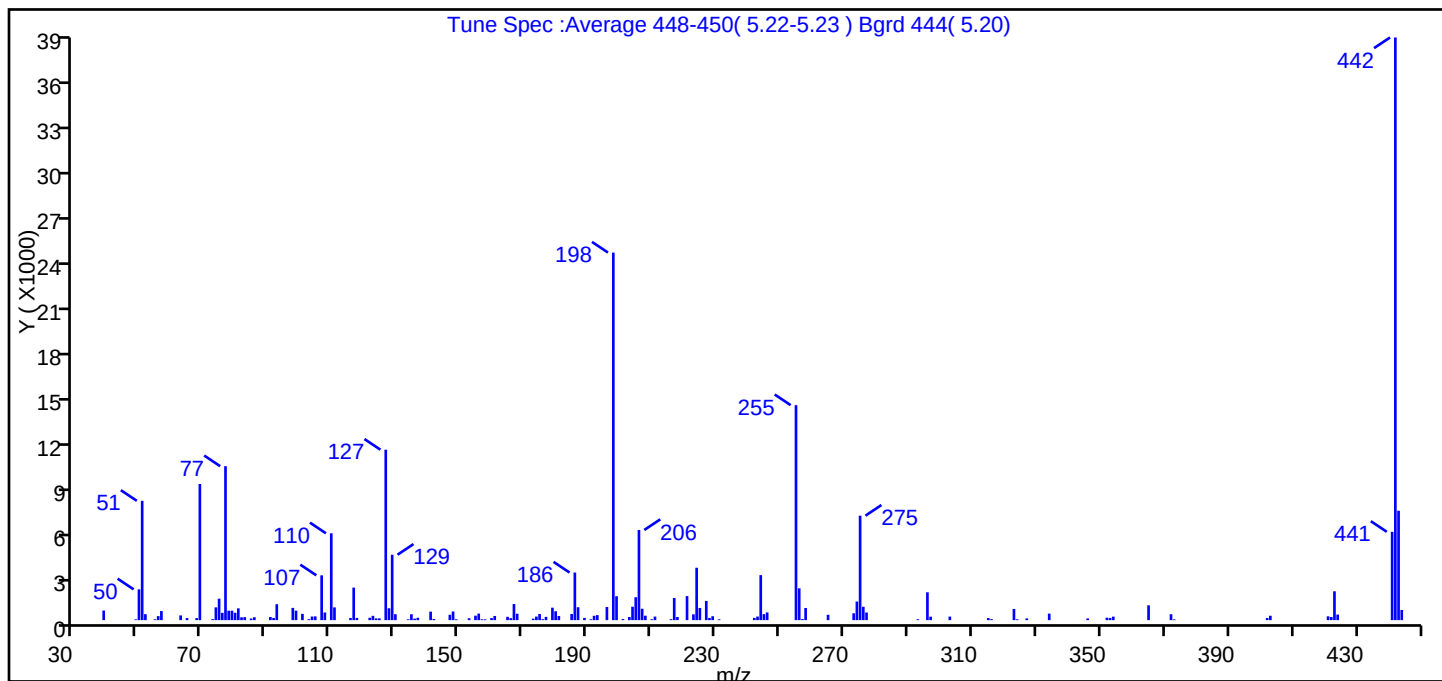
Amount Added: 1.00

Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125791.D
Injection Date: 16-Sep-2015 04:41:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID: BNA 12 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270D ICAL
Tune Method: DFTPP Method 8270

121 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100% relative abundance	100.0
51	30-60% of mass 198	32.5
68	<2% of mass 69	0.6 (1.5)
69	Present	37.0
70	<2% of mass 69	0.0 (0.0)
127	40-60% of mass 198	46.4
197	<1% of mass 198	0.0
199	5-9% of mass 198	6.5
275	10-30% of mass 198	28.4
365	>1% of mass 198	4.0
441	Present but less than mass 443	24.0 (80.7)
442	>40% of mass 198	158.5
443	17-23% of mass 442	29.8 (18.8)

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125791.D\8270_12R_9.rsl\spectra.d
Injection Date: 16-Sep-2015 04:41:30
Spectrum: Tune Spec :Average 448-450(5.22-5.23) Bgrd 444(5.20)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 150

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	636	111.00	844	180.00	589	256.00	2105
44.00	2	116.00	141	181.00	276	257.00	71
49.00	51	117.00	2153	185.00	408	258.00	803
50.00	2038	118.00	146	186.00	3152	265.00	355
51.00	7899	122.00	157	187.00	855	273.00	454
52.00	397	123.00	285	189.00	148	274.00	1232
55.00	56	124.00	116	191.00	54	275.00	6916
56.00	267	125.00	117	192.00	288	276.00	886
57.00	601	127.00	11284	193.00	334	277.00	506
63.00	312	128.00	788	196.00	872	293.00	59
65.00	137	129.00	4330	198.00	24336	296.00	1843
68.00	135	130.00	394	199.00	1583	297.00	229
69.00	9014	134.00	52	201.00	73	303.00	236
73.00	66	135.00	390	203.00	210	315.00	137
74.00	847	136.00	101	204.00	888	316.00	67
75.00	1421	137.00	155	205.00	1517	323.00	740
76.00	483	141.00	563	206.00	5969	324.00	56
77.00	10193	142.00	79	207.00	755	327.00	116
78.00	622	147.00	355	208.00	293	334.00	433
79.00	626	148.00	574	210.00	58	346.00	114
80.00	490	149.00	57	211.00	234	352.00	163
81.00	782	153.00	126	216.00	63	353.00	145
82.00	188	155.00	295	217.00	1464	354.00	233
83.00	198	156.00	433	218.00	206	365.00	982
85.00	108	157.00	55	221.00	1592	372.00	391
86.00	193	158.00	53	223.00	386	373.00	51
91.00	207	160.00	135	224.00	3469	402.00	143
92.00	143	161.00	276	225.00	806	403.00	291
93.00	1055	165.00	221	227.00	1274	421.00	253
98.00	811	166.00	131	228.00	146	422.00	208
99.00	626	167.00	1068	229.00	259	423.00	1910
101.00	414	168.00	425	231.00	54	424.00	370
103.00	63	173.00	102	242.00	149	441.00	5847

Report Date: 16-Sep-2015 13:48:16

Chrom Revision: 2.2 23-Jul-2015 08:26:08

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125791.D\8270_12R_9.rsl\spectra.d

Injection Date: 16-Sep-2015 04:41:30

Spectrum: Tune Spec :Average 448-450(5.22-5.23) Bgrd 444(5.20)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 150

m/z	Y	m/z	Y	m/z	Y	m/z	Y
104.00	238	174.00	236	243.00	238	442.00	38576
105.00	248	175.00	405	244.00	2981	443.00	7244
107.00	2967	176.00	62	245.00	398	444.00	672
108.00	505	177.00	218	246.00	511		
110.00	5750	179.00	826	255.00	14234		

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125791.D
Injection Date: 16-Sep-2015 04:41:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID: BNA 12 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270D ICAL

124 4,4'-DDT, Detector: MS SCAN

SW-846 Method

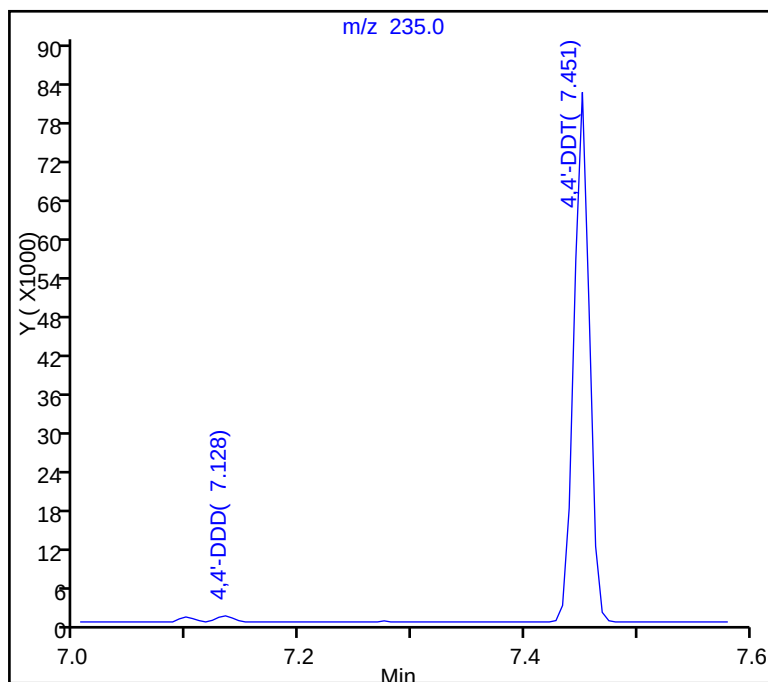
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

124 4,4'-DDT, Area = 77776

123 4,4'-DDD, Area = 963

122 4,4'-DDE, Area = 0

%Breakdown: 1.22%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125791.D
Injection Date: 16-Sep-2015 04:41:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID: BNA 12 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270D ICAL

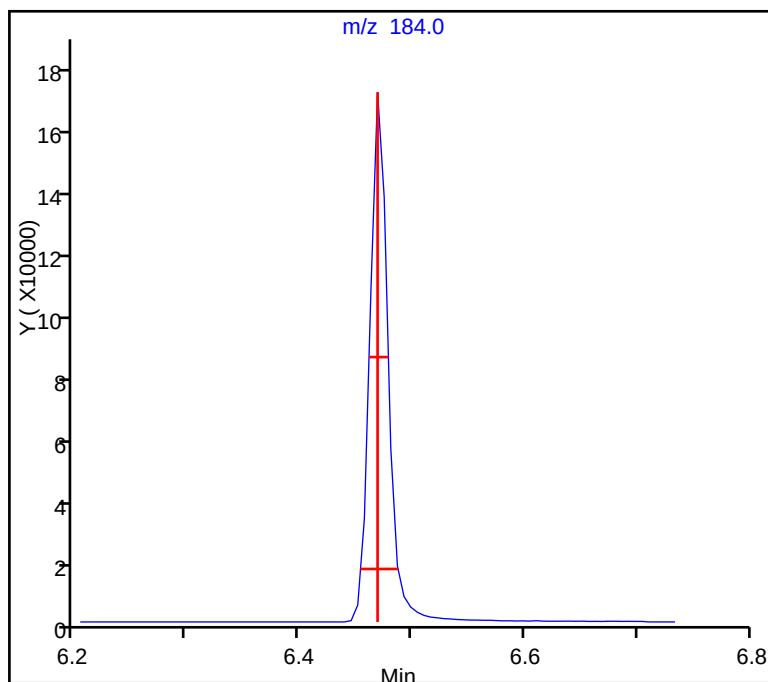
47 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.018 (min.)

Front Width = 0.015 (min.)

Tailing Factor = 1.2, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125791.D
Injection Date: 16-Sep-2015 04:41:30 Instrument ID: CBNAMS12
Lims ID: dftpp
Client ID:
Operator ID: BNA 12 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270D ICAL

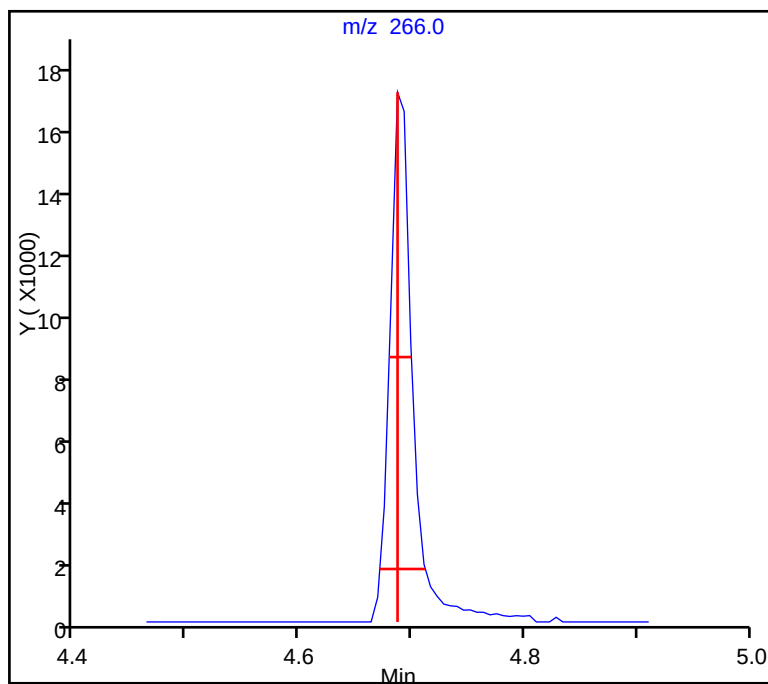
23 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.025 (min.)

Front Width = 0.016 (min.)

Tailing Factor = 1.6, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150903-31423.b\5993.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 03-Sep-2015 01:23:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031423-001
 Misc. Info.: 25 ppm bna 5100
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20150903-31423.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 03-Sep-2015 14:38:18 Calib Date: 03-Sep-2015 07:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20150903-31423.b\6009.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK021

First Level Reviewer: zhaoc

Date: 03-Sep-2015 14:38:17

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	5.310	5.310	0.000	92	108461	NC	NC	
55 Benzidine_T	184	7.140	7.140	0.000	99	574040	NC	NC	
124 DFTPP									
125 4,4'-DDE	246	7.381	7.381	0.000	1	857		NR	
126 4,4'-DDD	235	7.775	7.775	0.000	93	11833		NR	
127 4,4'-DDT	235	8.134	8.134	0.000	98	204453	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Reagents:

SMDFTP_CH_00011

Amount Added: 1.00

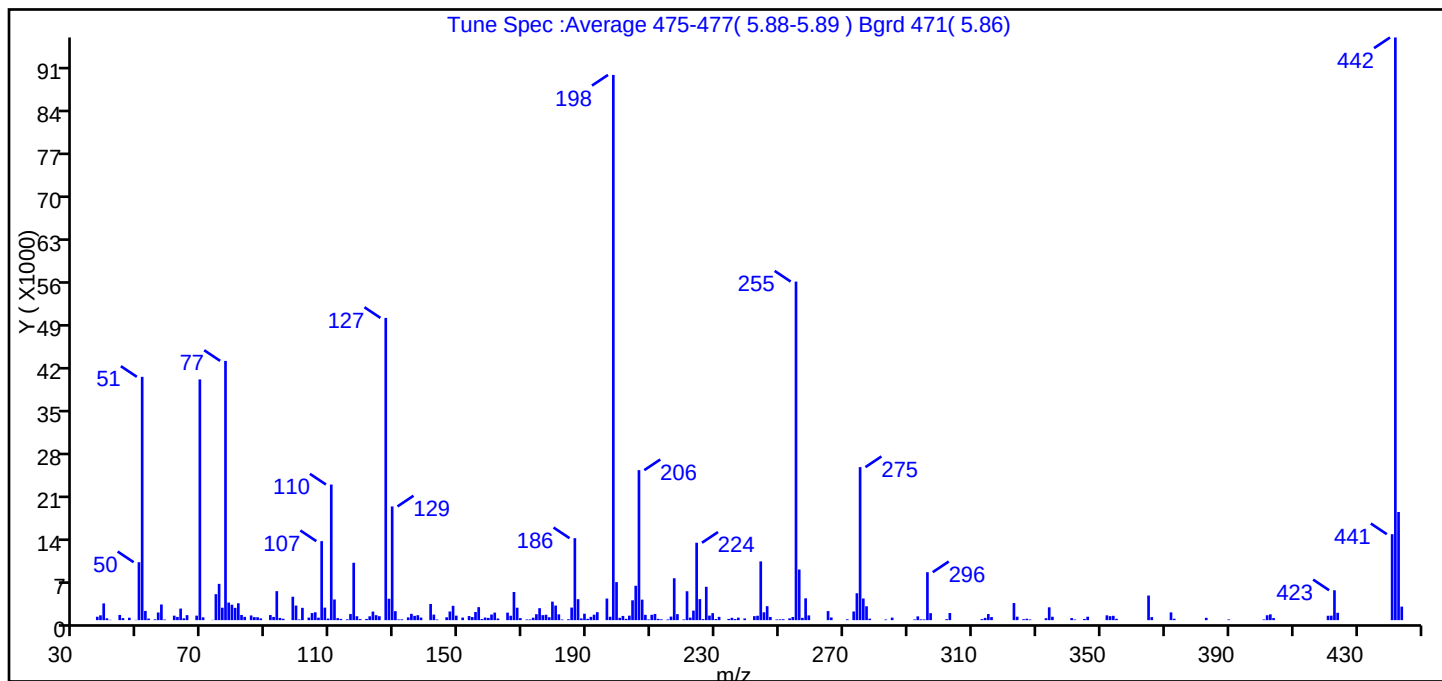
Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150903-31423.b\5993.D
Injection Date: 03-Sep-2015 01:23:30 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	44.6
68	<2% of mass 69	0.8 (1.9)
69	Present	44.2
70	<2% of mass 69	0.5 (1.2)
127	40-60% of mass 198	55.4
197	<1% of mass 198	0.6
199	5-9% of mass 198	7.0
275	10-30% of mass 198	28.1
365	>1% of mass 198	4.5
441	Present but less than mass 443	15.8 (79.5)
442	>40% of mass 198	106.9
443	17-23% of mass 442	19.8 (18.6)

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150903-31423.b\5993.D\8270_5R.rslt\spectra.d
Injection Date: 03-Sep-2015 01:23:30
Spectrum: Tune Spec :Average 475-477(5.88-5.89) Bgrd 471(5.86)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 238

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	555	115.00	135	188.00	278	259.00	778
38.00	789	116.00	997	189.00	1056	265.00	1482
39.00	2737	117.00	9386	190.00	217	266.00	436
40.00	294	118.00	638	191.00	537	271.00	139
41.00	51	119.00	178	192.00	893	273.00	1416
44.00	850	121.00	197	193.00	1302	274.00	4403
45.00	339	122.00	628	196.00	3535	275.00	25040
47.00	394	123.00	1400	197.00	554	276.00	3541
49.00	42	124.00	815	198.00	89216	277.00	2269
50.00	9480	125.00	643	199.00	6226	278.00	243
51.00	39816	127.00	49456	200.00	383	283.00	108
52.00	1509	128.00	3499	201.00	691	285.00	416
53.00	263	129.00	18608	202.00	214	292.00	114
55.00	137	130.00	1471	203.00	735	293.00	620
56.00	1253	131.00	112	204.00	3246	294.00	129
57.00	2559	132.00	136	205.00	5627	295.00	115
58.00	102	134.00	449	206.00	24544	296.00	7847
61.00	732	135.00	1033	207.00	3354	297.00	1142
62.00	531	136.00	704	208.00	868	302.00	155
63.00	1894	137.00	810	209.00	118	303.00	1167
64.00	302	138.00	419	210.00	875	313.00	167
65.00	820	141.00	2649	211.00	1013	314.00	370
68.00	736	142.00	908	212.00	212	315.00	1000
69.00	39392	143.00	107	213.00	128	316.00	506
70.00	467	146.00	470	215.00	116	323.00	2799
73.00	41	147.00	1416	216.00	582	324.00	567
74.00	4253	148.00	2344	217.00	6857	326.00	151
75.00	5935	149.00	738	218.00	985	327.00	227
76.00	2037	151.00	419	220.00	116	328.00	106
77.00	42424	153.00	672	221.00	4731	333.00	320
78.00	2867	154.00	507	222.00	415	334.00	2100
79.00	2524	155.00	1340	223.00	1559	335.00	554
80.00	2014	156.00	2127	224.00	12666	341.00	339

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150903-31423.b\5993.D\8270_5R.rslt\spectra.d

Injection Date: 03-Sep-2015 01:23:30

Spectrum: Tune Spec :Average 475-477(5.88-5.89) Bgrd 471(5.86)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 238

m/z	Y	m/z	Y	m/z	Y	m/z	Y
81.00	2763	157.00	174	225.00	3442	342.00	103
82.00	848	158.00	428	226.00	169	345.00	194
83.00	542	159.00	368	227.00	5456	346.00	561
85.00	765	160.00	920	228.00	742	352.00	790
86.00	497	161.00	1232	229.00	1144	353.00	651
87.00	477	162.00	271	230.00	178	354.00	710
88.00	284	165.00	1232	231.00	539	355.00	220
91.00	832	166.00	718	234.00	202	365.00	4027
92.00	529	167.00	4608	235.00	381	366.00	500
93.00	4744	168.00	2035	236.00	179	372.00	1268
94.00	365	169.00	333	237.00	413	373.00	228
95.00	226	171.00	108	239.00	279	383.00	380
98.00	3833	172.00	118	242.00	654	390.00	114
99.00	2387	173.00	402	243.00	720	401.00	110
100.00	116	174.00	972	244.00	9614	402.00	805
101.00	2015	175.00	1960	245.00	1284	403.00	947
103.00	416	176.00	821	246.00	2285	404.00	338
104.00	1156	177.00	881	247.00	520	421.00	720
105.00	1291	178.00	479	249.00	113	422.00	731
106.00	403	179.00	3030	250.00	125	423.00	4891
107.00	12929	180.00	2385	251.00	151	424.00	1203
108.00	2049	181.00	944	253.00	292	441.00	14067
109.00	258	182.00	106	254.00	519	442.00	95344
110.00	22192	184.00	147	255.00	55400	443.00	17696
111.00	3382	185.00	2057	256.00	8285	444.00	2212
112.00	334	186.00	13411	257.00	376		
113.00	203	187.00	3431	258.00	3575		

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150903-31423.b\5993.D
Injection Date: 03-Sep-2015 01:23:30 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

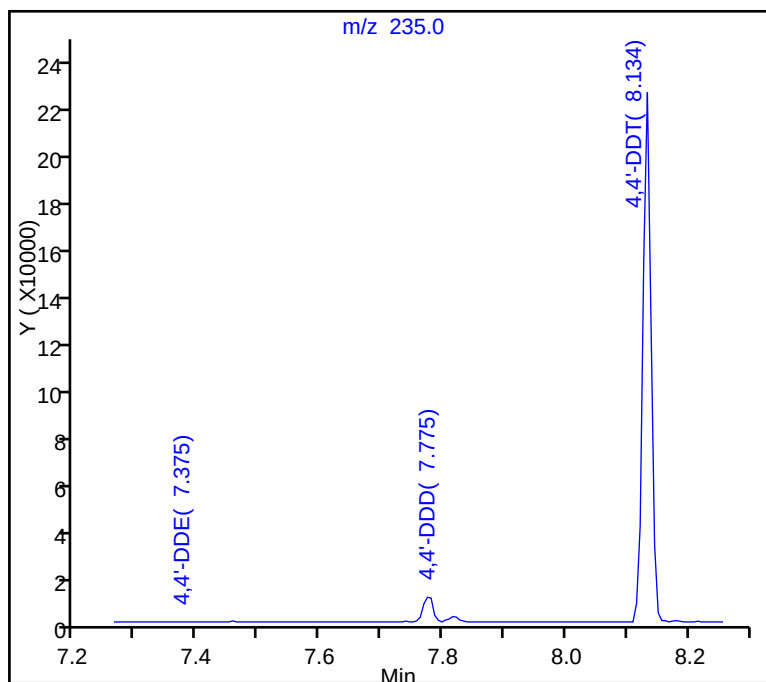
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 204453

126 4,4'-DDD, Area = 11833

125 4,4'-DDE, Area = 857

%Breakdown: 5.84%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150903-31423.b\5993.D
Injection Date: 03-Sep-2015 01:23:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R

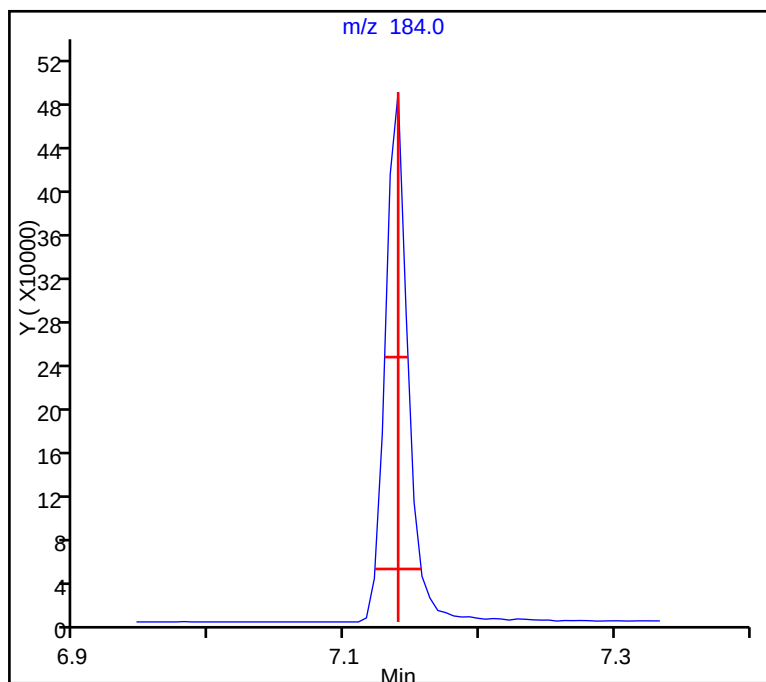
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

55 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.017 (min.)

Tailing Factor = 1.0, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150903-31423.b\5993.D
Injection Date: 03-Sep-2015 01:23:30 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

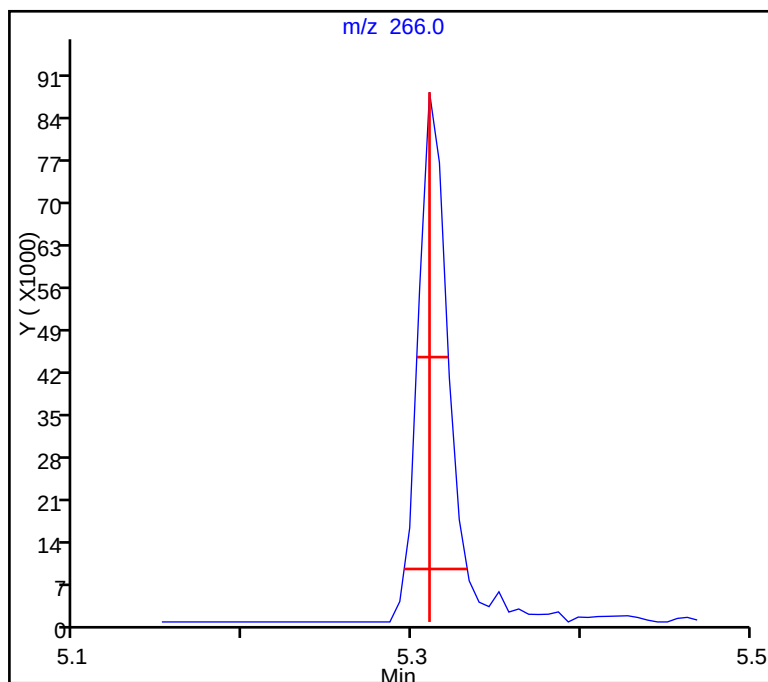
30 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.022 (min.)

Front Width = 0.015 (min.)

Tailing Factor = 1.5, Max. Tailing < 2.00
Passed



TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150915-31765.b\6401.D
 Lims ID: dftpp
 Client ID:
 Sample Type: DFTPP
 Inject. Date: 15-Sep-2015 03:25:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031765-001
 Misc. Info.: 25 ppm bna 5100
 Operator ID: Instrument ID: CBNAMS5
 Method: \\ChromNA\Edison\ChromData\CBNAMS5\20150915-31765.b\8270_5R.m
 Limit Group: SV 8270D ICAL
 Last Update: 15-Sep-2015 13:18:43 Calib Date: 03-Sep-2015 07:59:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS5\20150903-31423.b\6009.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK048

First Level Reviewer: asfawa

Date: 15-Sep-2015 03:34:19

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	4.993	4.993	0.000	94	75735	NC	NC	
55 Benzidine_T	184	6.816	6.816	0.000	99	865052	NC	NC	
124 DFTPP									
126 4,4'-DDD	235	7.451	7.451	0.000	93	6862		NR	
127 4,4'-DDT	235	7.810	7.810	0.000	99	373310	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

Reagents:

SMDFTP_CH_00011

Amount Added: 1.00

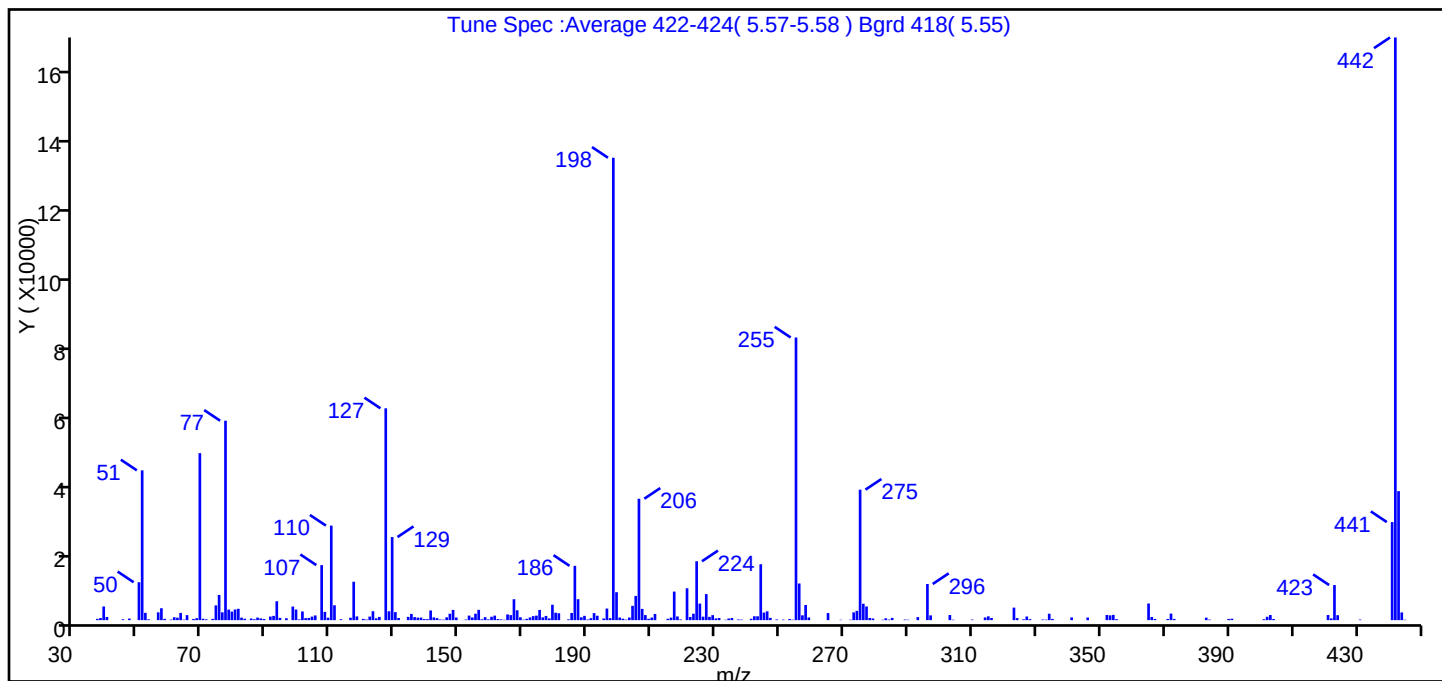
Units: mL

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150915-31765.b\6401.D
Injection Date: 15-Sep-2015 03:25:30 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	32.4
68	<2% of mass 69	0.4 (1.2)
69	Present	36.1
70	<2% of mass 69	0.3 (0.8)
127	40-60% of mass 198	45.8
197	<1% of mass 198	0.4
199	5-9% of mass 198	6.0
275	10-30% of mass 198	28.2
365	>1% of mass 198	3.6
441	Present but less than mass 443	21.2 (76.0)
442	>40% of mass 198	126.0
443	17-23% of mass 442	27.9 (22.1)

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150915-31765.b\6401.D\8270_5R.rslt\spectra.d
Injection Date: 15-Sep-2015 03:25:30
Spectrum: Tune Spec :Average 422-424(5.57-5.58) Bgrd 418(5.55)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 251

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	352	118.00	1034	188.00	786	272.00	122
38.00	586	120.00	350	189.00	1192	273.00	2162
39.00	3782	121.00	173	190.00	175	274.00	2571
40.00	873	122.00	986	191.00	537	275.00	36144
45.00	234	123.00	2470	192.00	1955	276.00	4543
47.00	435	124.00	516	193.00	1218	277.00	3795
50.00	10502	125.00	897	194.00	24	278.00	593
51.00	41496	127.00	58680	195.00	462	279.00	465
52.00	2023	128.00	2461	196.00	3207	282.00	101
53.00	228	129.00	23016	197.00	550	283.00	511
56.00	2157	130.00	2224	198.00	128096	284.00	158
57.00	3298	131.00	602	199.00	7741	285.00	624
58.00	361	134.00	902	200.00	725	289.00	167
60.00	162	135.00	1732	201.00	403	290.00	112
61.00	804	136.00	840	202.00	142	293.00	842
62.00	679	137.00	691	203.00	719	296.00	10017
63.00	2000	138.00	702	204.00	3965	297.00	1321
64.00	143	139.00	295	205.00	6711	303.00	1425
65.00	1391	140.00	281	206.00	33632	304.00	126
67.00	315	141.00	2681	207.00	3122	310.00	151
68.00	547	142.00	764	208.00	1403	314.00	746
69.00	46256	143.00	560	209.00	375	315.00	1054
70.00	384	144.00	173	210.00	719	316.00	594
71.00	222	145.00	130	211.00	1716	323.00	3469
73.00	355	146.00	777	215.00	375	324.00	561
74.00	4081	147.00	1779	216.00	701	326.00	224
75.00	6982	148.00	2842	217.00	7911	327.00	1009
76.00	2164	149.00	728	218.00	1020	328.00	269
77.00	55240	151.00	24	219.00	186	332.00	169
78.00	2921	152.00	171	221.00	8832	333.00	144
79.00	2376	153.00	1262	222.00	862	334.00	1773
80.00	2954	154.00	747	223.00	1774	335.00	341
81.00	3140	155.00	1781	224.00	16312	341.00	754

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150915-31765.b\6401.D\8270_5R.rslt\spectra.d

Injection Date: 15-Sep-2015 03:25:30

Spectrum: Tune Spec :Average 422-424(5.57-5.58) Bgrd 418(5.55)

Base Peak: 442.00

Minimum % Base Peak: 0

Number of Points: 251

m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	692	156.00	2852	225.00	4586	346.00	717
83.00	391	157.00	249	226.00	963	352.00	1431
84.00	21	158.00	827	227.00	7219	353.00	1329
85.00	449	159.00	213	228.00	912	354.00	1446
86.00	247	160.00	937	229.00	1387	355.00	276
87.00	707	161.00	1255	230.00	473	365.00	4610
88.00	478	162.00	315	231.00	598	366.00	883
89.00	316	163.00	200	233.00	106	367.00	328
91.00	991	164.00	106	234.00	450	371.00	336
92.00	1180	165.00	1590	235.00	587	372.00	1821
93.00	5235	166.00	1396	237.00	177	373.00	338
94.00	633	167.00	5793	238.00	147	383.00	695
96.00	530	168.00	2738	241.00	378	384.00	156
97.00	10	169.00	790	242.00	1074	390.00	346
98.00	3761	170.00	126	243.00	1069	391.00	398
99.00	2935	171.00	362	244.00	15483	401.00	257
100.00	192	172.00	738	245.00	2102	402.00	930
101.00	2399	173.00	1116	246.00	2443	403.00	1419
102.00	558	174.00	1252	247.00	629	404.00	315
103.00	613	175.00	2831	249.00	193	421.00	1419
104.00	980	176.00	774	251.00	152	422.00	483
105.00	1306	177.00	1171	253.00	309	423.00	9717
107.00	15248	178.00	494	254.00	125	424.00	1371
108.00	2296	179.00	4262	255.00	78296	431.00	168
109.00	669	180.00	2053	256.00	10155	441.00	27168
110.00	26184	181.00	1910	257.00	1340	442.00	161408
111.00	4117	184.00	227	258.00	4203	443.00	35736
113.00	245	185.00	1984	259.00	744	444.00	2136
116.00	668	186.00	15042	265.00	1960	445.00	116
117.00	10633	187.00	5803	269.00	103		

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150915-31765.b\6401.D
Injection Date: 15-Sep-2015 03:25:30 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

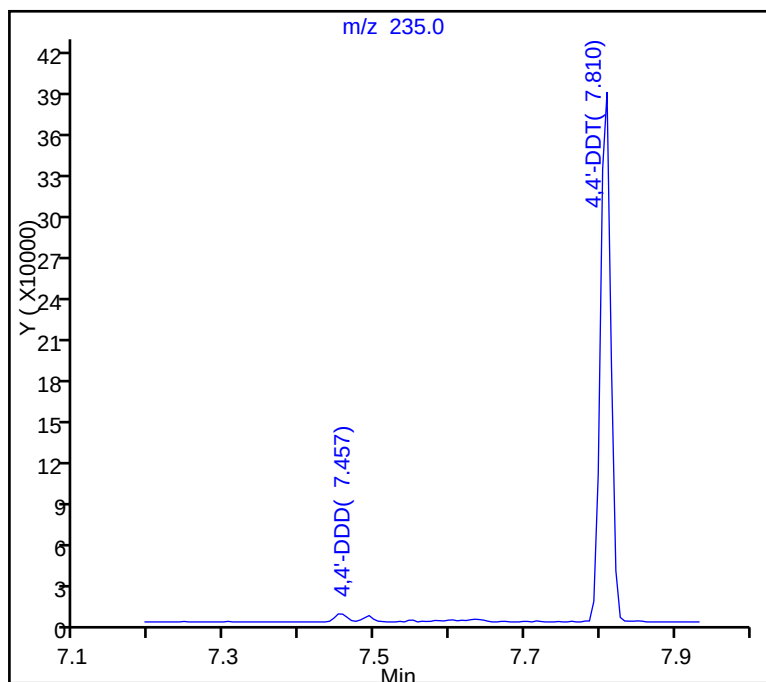
%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 373310

126 4,4'-DDD, Area = 6862

125 4,4'-DDE, Area = 0

%Breakdown: 1.80%, Max Limit: 20.00%
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150915-31765.b\6401.D
Injection Date: 15-Sep-2015 03:25:30 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

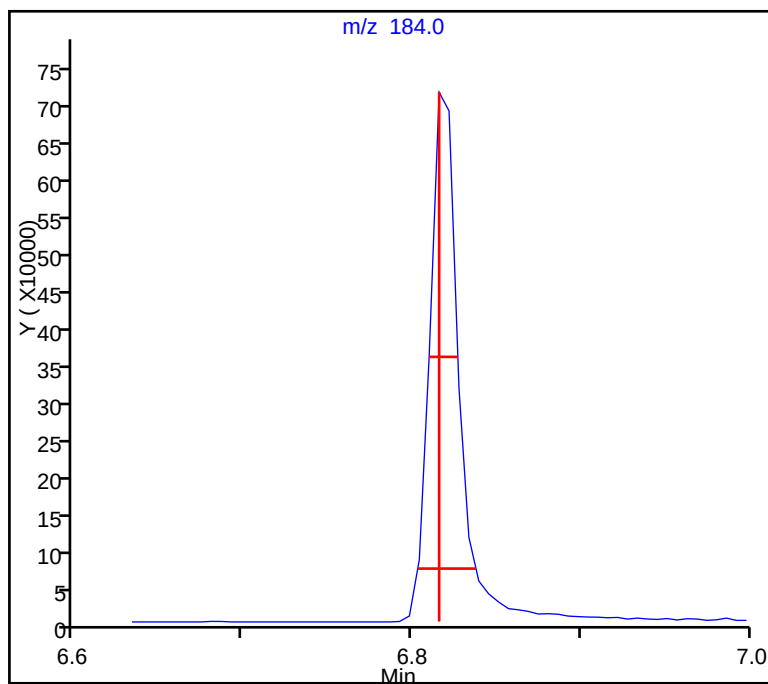
55 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.022 (min.)

Front Width = 0.013 (min.)

Tailing Factor = 1.7, Max. Tailing < 2.00
Passed



TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS5\20150915-31765.b\6401.D
Injection Date: 15-Sep-2015 03:25:30 Instrument ID: CBNAMS5
Lims ID: dftpp
Client ID:
Operator ID:
Injection Vol: 1.0 ul
Method: 8270_5R

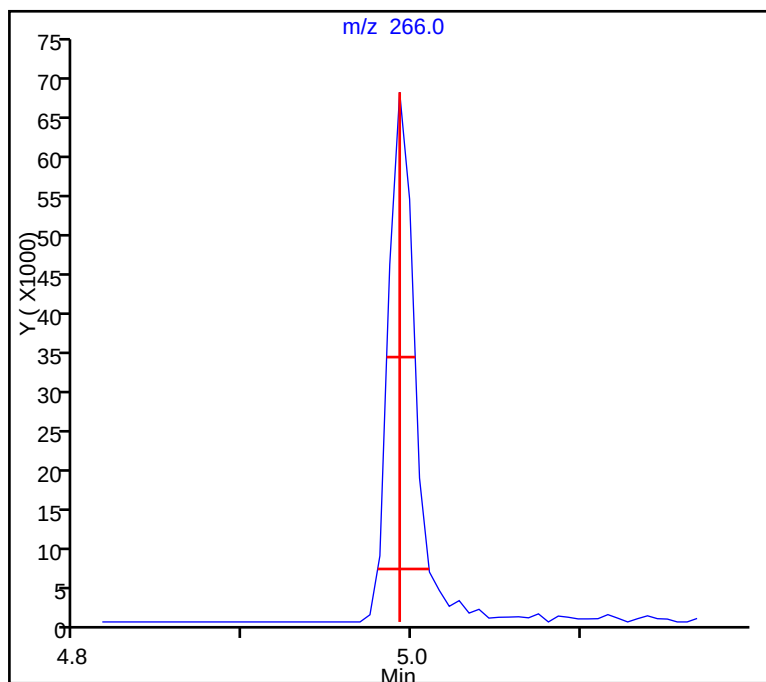
ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: SV 8270D ICAL

30 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 1.3, Max. Tailing < 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-100972-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 460-322274/1-A
 Matrix: Solid Lab File ID: z36327.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3546 Date Extracted: 09/14/2015 08:46
 Sample wt/vol: 15.0000 (g) Date Analyzed: 09/15/2015 04:40
 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.: 322389 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	74		30-130
1718-51-0	Terphenyl-d14	99		30-130
321-60-8	2-Fluorobiphenyl	81		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\z36327.D
 Lims ID: MB 460-322274/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 15-Sep-2015 04:40:30 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031763-005
 Operator ID: Instrument ID: CBNAMS11
 Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\8270_11R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 15-Sep-2015 17:12:19 Calib Date: 10-Sep-2015 07:51:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150909-31608.b\z36210.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK048

First Level Reviewer: asfawa

Date: 15-Sep-2015 05:25:51

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	3.275	3.251	0.024	94	593746	50.0	39.7	
\$ 6 Phenol-d5	99	4.151	4.169	-0.018	88	720546	50.0	40.6	
10 Benzonitrile	103	4.275	4.322	-0.047	0	887		NC	
* 14 1,4-Dichlorobenzene-d4	152	4.522	4.528	-0.006	97	468732	40.0	40.0	
29 2-Toluidine	107	4.922	4.947	-0.025	27	199		NC	
\$ 26 Nitrobenzene-d5	82	5.075	5.092	-0.017	88	719489	50.0	37.1	
* 38 Naphthalene-d8	136	5.804	5.810	-0.006	100	1842932	40.0	40.0	
\$ 51 2-Fluorobiphenyl	172	6.892	6.898	-0.006	98	1357703	50.0	40.5	
* 65 Acenaphthene-d10	164	7.569	7.569	0.000	92	963290	40.0	40.0	
\$ 80 2,4,6-Tribromophenol	330	8.345	8.357	-0.012	95	140614	50.0	39.6	
* 87 Phenanthrene-d10	188	9.039	9.039	0.000	99	1229762	40.0	40.0	
\$ 96 Terphenyl-d14	244	10.628	10.633	-0.005	99	763817	50.0	49.6	
* 102 Chrysene-d12	240	11.869	11.869	0.000	99	566585	40.0	40.0	
* 109 Perylene-d12	264	13.851	13.851	0.000	98	395668	40.0	40.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_ISTD_00092

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150915-31763.b\\z36327.D

Injection Date: 15-Sep-2015 04:40:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: MB 460-322274/1-A

Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 ul

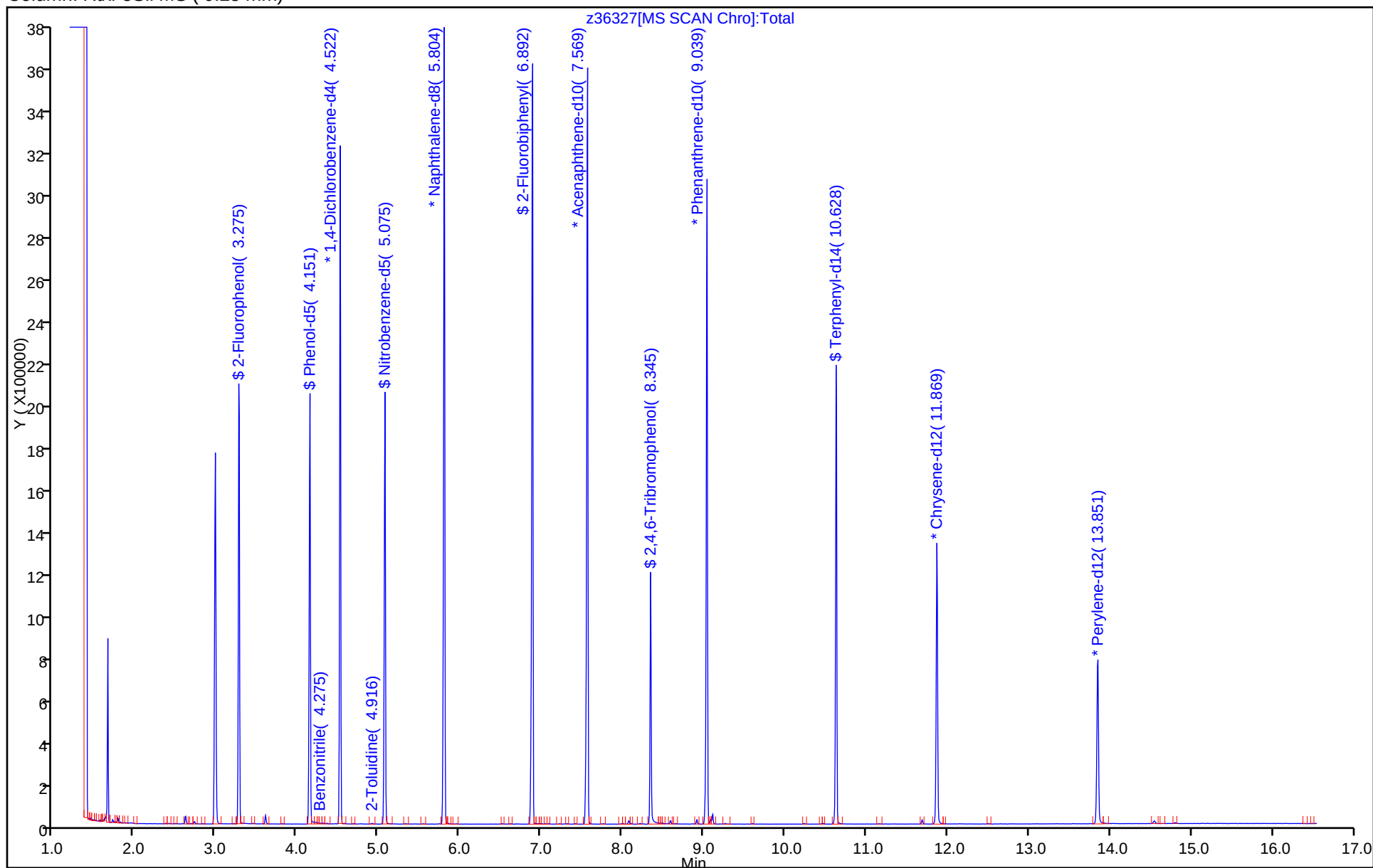
Dil. Factor: 1.0000

ALS Bottle#: 5

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: TestAmerica Edison Job No.: 460-100972-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 460-322460/1-A
 Matrix: Solid Lab File ID: L125765.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3546 Date Extracted: 09/15/2015 09:39
 Sample wt/vol: 15.0000 (g) Date Analyzed: 09/15/2015 17:34
 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.: 322563 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	73		30-130
1718-51-0	Terphenyl-d14	91		30-130
321-60-8	2-Fluorobiphenyl	79		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150915-31799.b\L125765.D
 Lims ID: MB 460-322460/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 15-Sep-2015 17:34:30 ALS Bottle#: 5 Worklist Smp#: 5
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031799-005
 Operator ID: BNA 12 Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20150915-31799.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 16-Sep-2015 10:22:00 Calib Date: 27-Aug-2015 09:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20150827-31172.b\L125037.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK023

First Level Reviewer: szczecha

Date: 16-Sep-2015 10:23:48

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	3.019	3.001	0.018	97	142856	50.0	35.5	
\$ 6 Phenol-d5	99	3.931	3.942	-0.011	85	163818	50.0	34.4	
* 13 1,4-Dichlorobenzene-d4	152	4.295	4.295	0.000	94	125195	40.0	40.0	
\$ 26 Nitrobenzene-d5	82	4.854	4.866	-0.012	85	142344	50.0	36.5	
* 36 Naphthalene-d8	136	5.584	5.584	0.000	99	451460	40.0	40.0	
\$ 50 2-Fluorobiphenyl	172	6.672	6.678	-0.006	98	288618	50.0	39.4	
* 63 Acenaphthene-d10	164	7.348	7.348	0.000	93	219265	40.0	40.0	
\$ 79 2,4,6-Tribromophenol	330	8.125	8.130	-0.005	90	45212	50.0	40.5	
* 85 Phenanthrene-d10	188	8.813	8.813	0.000	98	303299	40.0	40.0	
\$ 94 Terphenyl-d14	244	10.389	10.395	-0.006	99	224468	50.0	45.5	
* 100 Chrysene-d12	240	11.589	11.583	0.006	99	208116	40.0	40.0	
* 107 Perylene-d12	264	13.518	13.518	0.000	98	168264	40.0	40.0	

Reagents:

SM_ISTD_00092

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20150915-31799.b\\L125765.D

Injection Date: 15-Sep-2015 17:34:30

Instrument ID: CBNAMS12

Operator ID: BNA 12

Lims ID: MB 460-322460/1-A

Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 ul

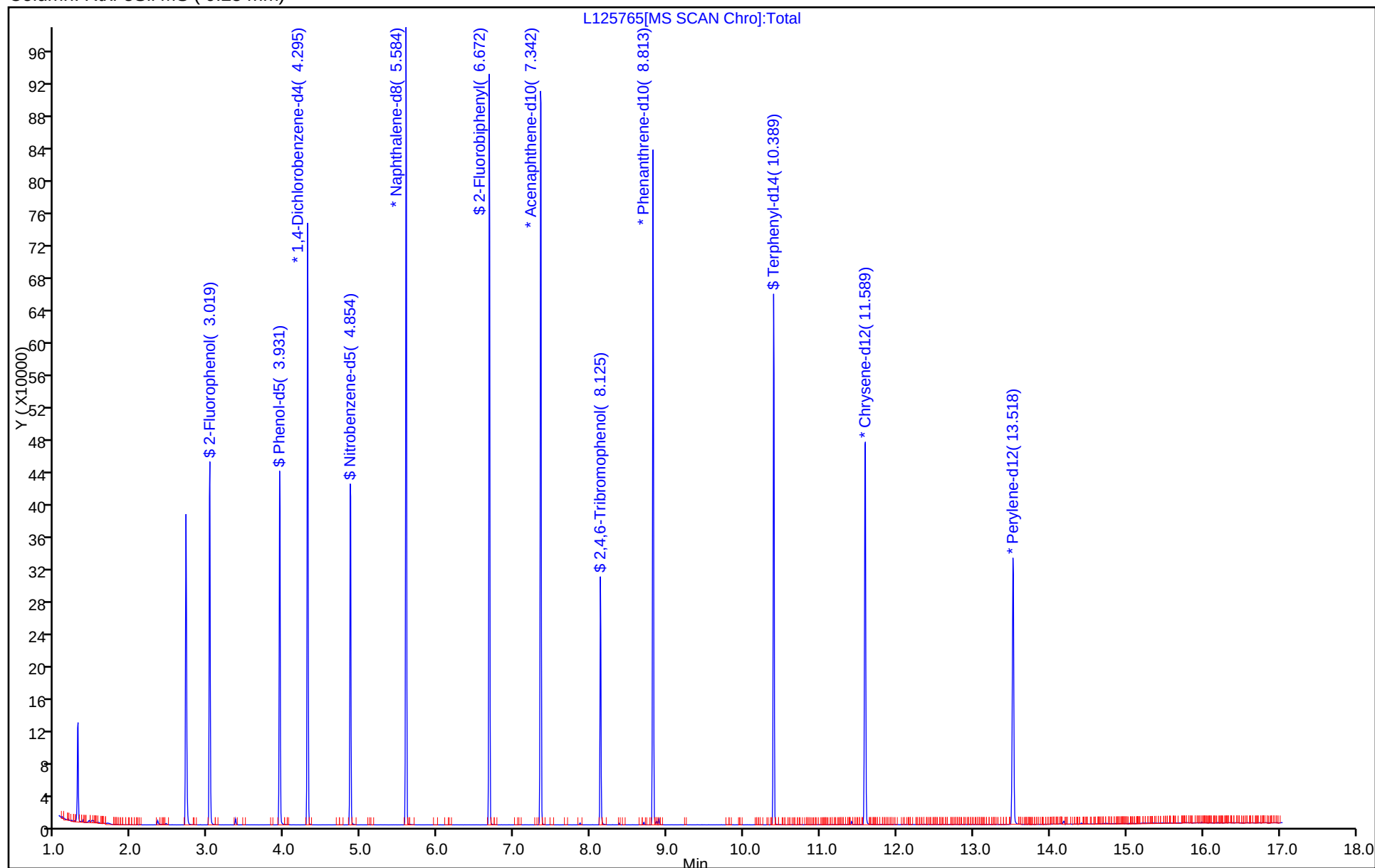
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: 8270_12R_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: TestAmerica Edison Job No.: 460-100972-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-322274/3-A
 Matrix: Solid Lab File ID: z36329.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3546 Date Extracted: 09/14/2015 08:46
 Sample wt/vol: 15.0000 (g) Date Analyzed: 09/15/2015 05:26
 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.: 322389 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	2.64		0.33	0.0084
91-57-6	2-Methylnaphthalene	2.80		0.33	0.0073
208-96-8	Acenaphthylene	2.85		0.33	0.0085
83-32-9	Acenaphthene	2.69		0.33	0.0080
86-73-7	Fluorene	2.82		0.33	0.0072
85-01-8	Phenanthrene	2.86		0.33	0.0088
120-12-7	Anthracene	2.93		0.33	0.031
206-44-0	Fluoranthene	2.73		0.33	0.0098
129-00-0	Pyrene	3.09		0.33	0.015
56-55-3	Benzo[a]anthracene	2.93		0.033	0.028
218-01-9	Chrysene	3.08		0.33	0.0090
205-99-2	Benzo[b]fluoranthene	3.21		0.033	0.013
207-08-9	Benzo[k]fluoranthene	2.98		0.033	0.014
50-32-8	Benzo[a]pyrene	3.19		0.033	0.010
193-39-5	Indeno[1,2,3-cd]pyrene	2.94		0.033	0.022
53-70-3	Dibenz(a,h)anthracene	2.90		0.033	0.017
191-24-2	Benzo[g,h,i]perylene	2.92		0.33	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	74		30-130
1718-51-0	Terphenyl-d14	95		30-130
321-60-8	2-Fluorobiphenyl	85		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\z36329.D

Lims ID: LCS 460-322274/3-A

Client ID:

Sample Type: LCS

Inject. Date: 15-Sep-2015 05:26:30

ALS Bottle#:

7

Worklist Smp#:

7

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Sample Info: 460-0031763-007

Operator ID:

Instrument ID:

CBNAMS11

Method: \\ChromNA\Edison\ChromData\CBNAMS11\20150915-31763.b\8270_11R_9.m

Limit Group: SV 8270D ICAL

Last Update: 15-Sep-2015 17:12:19

Calib Date:

10-Sep-2015 07:51:30

Integrator: RTE

ID Type:

Deconvolution ID

Quant Method: Internal Standard

Quant By:

Initial Calibration

Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS11\20150909-31608.b\z36210.D

Column 1 : Rtxi-5Sil MS (0.25 mm)

Det: MS SCAN

Process Host: XAWRK048

First Level Reviewer: manlangitf

Date:

15-Sep-2015 06:08:20

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	1.957	1.851	0.106	97	138954	50.0	24.0	
2 N-Nitrosodimethylamine	74	2.169	2.087	0.082	83	325563	50.0	38.2	
3 Pyridine	79	2.199	2.116	0.083	90	469097	50.0	32.4	
\$ 4 2-Fluorophenol	112	3.275	3.251	0.024	94	525657	50.0	38.9	
\$ 6 Phenol-d5	99	4.163	4.169	-0.006	90	636677	50.0	39.7	
7 Phenol	94	4.181	4.187	-0.006	99	695298	50.0	39.5	
8 Aniline	93	4.198	4.204	-0.006	99	682637	50.0	31.4	
9 Bis(2-chloroethyl)ether	93	4.263	4.263	0.000	97	579792	50.0	41.4	
10 Benzonitrile	103	4.322	4.322	0.000	0	1540	NC	NC	
11 2-Chlorophenol	128	4.328	4.328	0.000	95	566558	50.0	39.8	
12 n-Decane	43	4.363	4.369	-0.006	92	562684	50.0	30.0	
13 1,3-Dichlorobenzene	146	4.475	4.481	-0.006	94	627375	50.0	38.6	
* 14 1,4-Dichlorobenzene-d4	152	4.528	4.528	0.000	97	423627	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.545	4.551	-0.006	93	637384	50.0	38.2	
16 Benzyl alcohol	108	4.669	4.675	-0.006	92	262121	50.0	33.7	
17 1,2-Dichlorobenzene	146	4.698	4.704	-0.006	95	601396	50.0	39.2	
18 2-Methylphenol	108	4.775	4.787	-0.012	88	498744	50.0	41.1	
19 2,2'-oxybis[1-chloropropan	45	4.793	4.804	-0.012	92	704630	50.0	38.1	
22 Acetophenone	105	4.934	4.940	-0.006	92	742583	50.0	38.8	
21 N-Nitrosodi-n-propylamine	70	4.934	4.945	-0.011	90	423545	50.0	41.0	
24 4-Methylphenol	108	4.934	4.945	-0.011	86	596117	50.0	42.6	
23 3 & 4 Methylphenol	108	4.934	4.945	-0.011	84	596117	50.0	42.6	
25 Hexachloroethane	117	5.034	5.045	-0.011	96	247637	50.0	36.8	
\$ 26 Nitrobenzene-d5	82	5.081	5.092	-0.011	88	599366	50.0	37.1	
20 N-Methylaniline	106	5.104	5.116	-0.012	0	31298	NC	NC	
27 Nitrobenzene	77	5.104	5.116	-0.012	93	848885	50.0	37.5	
28 n,n'-Dimethylaniline	120	5.104	5.116	-0.012	92	937975	50.0	44.7	
31 Isophorone	82	5.345	5.357	-0.012	99	1017136	50.0	42.0	
32 2-Nitrophenol	139	5.422	5.428	-0.006	90	298900	50.0	42.6	
33 2,4-Dimethylphenol	122	5.469	5.475	-0.006	90	456749	50.0	40.9	
34 Bis(2-chloroethoxy)methane	93	5.557	5.563	-0.006	100	604397	50.0	39.9	
35 Benzoic acid	122	5.616	5.622	-0.006	87	229853	50.0	36.2	

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	5.669	5.675	-0.006	95	415918	50.0	41.4	
37 1,2,4-Trichlorobenzene	180	5.751	5.757	-0.006	94	497643	50.0	44.0	
* 38 Naphthalene-d8	136	5.810	5.810	0.000	99	1534224	40.0	40.0	
39 Naphthalene	128	5.834	5.839	-0.005	100	1610763	50.0	39.6	
40 4-Chloroaniline	127	5.881	5.892	-0.011	97	425524	50.0	27.8	
41 Hexachlorobutadiene	225	5.957	5.963	-0.006	95	290269	50.0	42.7	
43 4-Chloro-3-methylphenol	107	6.375	6.375	0.000	97	406186	50.0	42.0	
44 2-Methylnaphthalene	142	6.528	6.534	-0.006	85	1066034	50.0	42.0	
45 1-Methylnaphthalene	142	6.628	6.634	-0.006	93	930194	50.0	43.0	
46 Hexachlorocyclopentadiene	237	6.692	6.698	-0.006	96	339274	50.0	47.1	
47 1,2,4,5-Tetrachlorobenzene	216	6.698	6.704	-0.006	97	448744	50.0	40.6	
48 2-tertbutyl-4-methylphenol	149	6.728	6.728	0.000	92	704985	50.0	42.5	
49 2,4,6-Trichlorophenol	196	6.810	6.816	-0.006	89	247200	50.0	39.3	
50 2,4,5-Trichlorophenol	196	6.851	6.851	0.000	97	276615	50.0	45.0	
\$ 51 2-Fluorobiphenyl	172	6.892	6.898	-0.006	98	1069632	50.0	42.6	
52 1,1'-Biphenyl	154	6.992	6.998	-0.006	96	1174469	50.0	40.0	
53 2-Chloronaphthalene	162	7.016	7.022	-0.006	97	896638	50.0	41.8	
54 Phenyl ether	170	7.098	7.098	0.000	85	640744	50.0	42.7	
55 2-Nitroaniline	65	7.116	7.122	-0.006	98	226056	50.0	27.5	
57 1,3-Dimethylnaphthalene	156	7.234	7.239	-0.005	92	794174	50.0	42.2	
58 Dimethyl phthalate	163	7.298	7.304	-0.006	99	873906	50.0	45.0	
59 Coumarin	146	7.328	7.328	0.000	74	291141	50.0	50.3	
60 2,6-Dinitrotoluene	165	7.357	7.357	0.000	96	202898	50.0	46.7	
63 Acenaphthylene	152	7.428	7.433	-0.005	98	1358223	50.0	42.7	
64 3-Nitroaniline	138	7.522	7.528	-0.006	95	144062	50.0	31.0	
* 65 Acenaphthene-d10	164	7.569	7.569	0.000	93	721379	40.0	40.0	
66 3,5-di-tert-butyl-4-hydrox	205	7.586	7.592	-0.006	97	906106	50.0	47.5	
67 Acenaphthene	154	7.604	7.610	-0.006	95	853320	50.0	40.4	
68 2,4-Dinitrophenol	184	7.634	7.633	0.001	97	212223	100.0	88.0	
69 4-Nitrophenol	65	7.698	7.698	0.000	91	212848	100.0	58.3	
70 2,4-Dinitrotoluene	165	7.757	7.757	0.000	96	239051	50.0	49.1	
71 Dibenzofuran	168	7.775	7.781	-0.005	95	1152016	50.0	43.5	
72 2,3,4,6-Tetrachlorophenol	232	7.898	7.898	0.000	92	174176	50.0	39.8	
73 Diethyl phthalate	149	7.998	7.998	0.000	98	810001	50.0	43.8	
75 4-Chlorophenyl phenyl ethe	204	8.110	8.110	0.000	93	429268	50.0	43.6	
74 Fluorene	166	8.116	8.116	0.000	97	907480	50.0	42.3	
76 4-Nitroaniline	138	8.139	8.139	0.000	89	167143	50.0	41.0	
77 4,6-Dinitro-2-methylphenol	198	8.169	8.169	0.000	86	253303	100.0	99.3	
79 1,2-Diphenylhydrazine	77	8.269	8.269	0.000	97	895554	50.0	37.4	
\$ 80 2,4,6-Tribromophenol	330	8.351	8.357	-0.006	95	94096	50.0	35.4	
81 4-Bromophenyl phenyl ether	248	8.592	8.592	0.000	90	231715	50.0	44.1	
82 Hexachlorobenzene	284	8.669	8.669	0.000	98	245777	50.0	45.4	
84 Pentachlorophenol	266	8.857	8.863	-0.006	93	146014	100.0	50.7	
85 Pentachloronitrobenzene	237	8.875	8.875	0.000	88	92318	50.0	41.2	
86 n-Octadecane	57	8.922	8.927	-0.005	94	599098	50.0	37.0	
* 87 Phenanthrene-d10	188	9.039	9.039	0.000	99	854923	40.0	40.0	
88 Phenanthrene	178	9.063	9.069	-0.006	98	1050799	50.0	43.0	
89 Anthracene	178	9.116	9.116	0.000	98	1061822	50.0	43.9	
90 Carbazole	167	9.269	9.275	-0.006	96	816268	50.0	41.7	
91 Di-n-butyl phthalate	149	9.604	9.604	0.000	100	1023055	50.0	41.0	
92 Fluoranthene	202	10.239	10.245	-0.006	98	825114	50.0	41.0	
93 Benzidine	184	10.369	10.369	0.000	99	198905	50.0	24.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
94 Pyrene	202	10.474	10.480	-0.006	97	815980	50.0	46.3	
\$ 96 Terphenyl-d14	244	10.627	10.633	-0.006	99	563478	50.0	47.6	
97 Butyl benzyl phthalate	149	11.169	11.174	-0.005	98	306005	50.0	43.1	
99 Carbamazepine	193	11.304	11.310	-0.006	92	178483	50.0	40.2	
100 3,3'-Dichlorobenzidine	252	11.821	11.827	-0.006	99	95425	50.0	24.5	
101 Benzo[a]anthracene	228	11.857	11.863	-0.006	99	557805	50.0	43.9	
* 102 Chrysene-d12	240	11.874	11.869	0.005	99	435368	40.0	40.0	
104 Bis(2-ethylhexyl) phthalat	149	11.886	11.886	0.000	89	413424	50.0	42.5	
103 Chrysene	228	11.904	11.910	-0.006	98	516132	50.0	46.2	
105 Di-n-octyl phthalate	149	12.768	12.774	-0.006	97	593753	50.0	42.3	
106 Benzo[b]fluoranthene	252	13.315	13.315	0.000	99	448919	50.0	48.2	
107 Benzo[k]fluoranthene	252	13.351	13.357	-0.006	100	436995	50.0	44.8	
108 Benzo[a]pyrene	252	13.768	13.774	-0.006	97	402585	50.0	47.8	
* 109 Perylene-d12	264	13.851	13.851	0.000	98	328948	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	15.468	15.474	-0.006	99	350156	50.0	44.0	
111 Dibenz(a,h)anthracene	278	15.504	15.509	-0.005	95	350025	50.0	43.6	
112 Benzo[g,h,i]perylene	276	15.933	15.939	-0.006	97	343948	50.0	43.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SM_ISTD_00092

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS11\\20150915-31763.b\\z36329.D

Injection Date: 15-Sep-2015 05:26:30

Instrument ID: CBNAMS11

Operator ID:

Lims ID: LCS 460-322274/3-A

Worklist Smp#: 7

Client ID:

Injection Vol: 1.0 ul

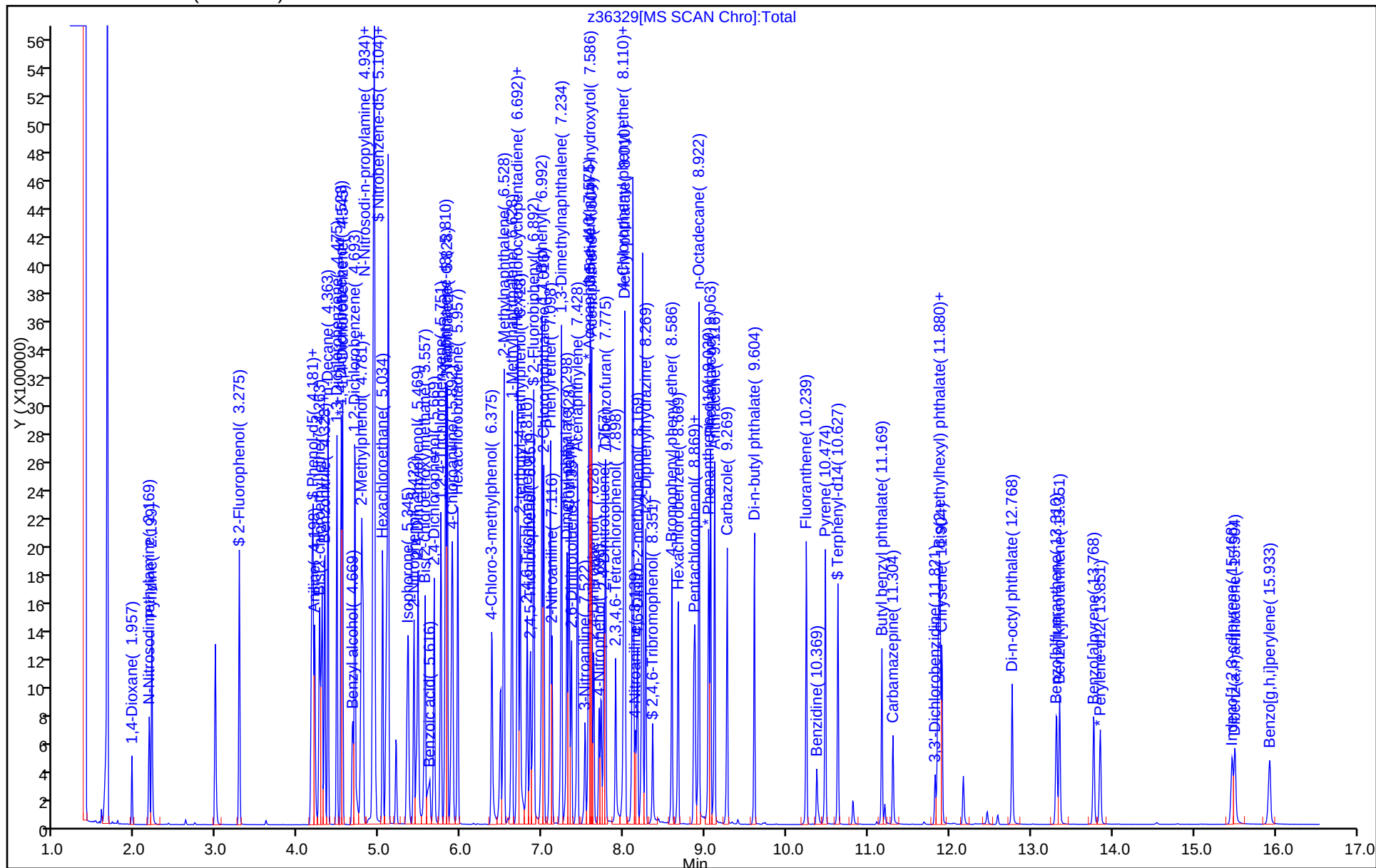
Dil. Factor: 1.0000

ALS Bottle#: 7

Method: 8270_11R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-100972-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-322460/3-A
 Matrix: Solid Lab File ID: L125809.D
 Analysis Method: 8270D Date Collected: _____
 Extract. Method: 3546 Date Extracted: 09/15/2015 09:39
 Sample wt/vol: 15.0000 (g) Date Analyzed: 09/16/2015 12:47
 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.: 322632 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	2.36		0.33	0.0084
91-57-6	2-Methylnaphthalene	2.34		0.33	0.0073
208-96-8	Acenaphthylene	2.50		0.33	0.0085
83-32-9	Acenaphthene	2.28		0.33	0.0080
86-73-7	Fluorene	2.33		0.33	0.0072
85-01-8	Phenanthrene	2.48		0.33	0.0088
120-12-7	Anthracene	2.49		0.33	0.031
206-44-0	Fluoranthene	2.51		0.33	0.0098
129-00-0	Pyrene	2.41		0.33	0.015
56-55-3	Benzo[a]anthracene	2.47		0.033	0.028
218-01-9	Chrysene	2.60		0.33	0.0090
205-99-2	Benzo[b]fluoranthene	2.75		0.033	0.013
207-08-9	Benzo[k]fluoranthene	2.55		0.033	0.014
50-32-8	Benzo[a]pyrene	2.70		0.033	0.010
193-39-5	Indeno[1,2,3-cd]pyrene	2.52		0.033	0.022
53-70-3	Dibenz(a,h)anthracene	2.44		0.033	0.017
191-24-2	Benzo[g,h,i]perylene	2.50		0.33	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	70		30-130
1718-51-0	Terphenyl-d14	80		30-130
321-60-8	2-Fluorobiphenyl	78		30-130

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125809.D
 Lims ID: LCS 460-322460/3-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 16-Sep-2015 12:47:30 ALS Bottle#: 19 Worklist Smp#: 19
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031812-019
 Operator ID: BNA 12 Instrument ID: CBNAMS12
 Method: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\8270_12R_9.m
 Limit Group: SV 8270D ICAL
 Last Update: 16-Sep-2015 13:50:56 Calib Date: 27-Aug-2015 09:14:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Edison\ChromData\CBNAMS12\20150827-31172.b\L125037.D
 Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
 Process Host: XAWRK049

First Level Reviewer: bayoumiw

Date: 16-Sep-2015 13:50:56

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	1.637	1.590	0.047	92	57229	50.0	22.0	
2 N-Nitrosodimethylamine	74	1.866	1.831	0.035	95	130972	50.0	34.8	
3 Pyridine	79	1.896	1.854	0.042	96	188173	50.0	29.1	
\$ 4 2-Fluorophenol	112	3.019	3.007	0.012	97	211154	50.0	32.6	
\$ 6 Phenol-d5	99	3.943	3.948	-0.005	91	244605	50.0	31.9	
7 Phenol	94	3.954	3.960	-0.006	98	260606	50.0	31.6	
8 Aniline	93	3.966	3.972	-0.006	98	276679	50.0	27.7	
9 Bis(2-chloroethyl)ether	93	4.031	4.037	-0.006	98	202167	50.0	31.8	
10 2-Chlorophenol	128	4.090	4.095	-0.005	98	217538	50.0	32.5	
11 n-Decane	43	4.137	4.142	-0.005	90	176378	50.0	25.1	
12 1,3-Dichlorobenzene	146	4.243	4.248	-0.005	97	255681	50.0	33.5	
* 13 1,4-Dichlorobenzene-d4	152	4.295	4.296	-0.001	94	201892	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.313	4.319	-0.006	96	263572	50.0	33.9	
15 Benzyl alcohol	108	4.443	4.448	-0.005	96	134099	50.0	32.5	
16 1,2-Dichlorobenzene	146	4.472	4.472	0.000	98	246428	50.0	33.8	
17 2-Methylphenol	108	4.560	4.566	-0.006	92	178301	50.0	30.6	
18 2,2'-oxybis[1-chloropropan	45	4.578	4.578	0.000	96	235782	50.0	26.9	
22 Acetophenone	105	4.707	4.713	-0.006	96	259222	50.0	30.8	
21 N-Nitrosodi-n-propylamine	70	4.713	4.719	-0.006	81	130567	50.0	30.2	
19 4-Methylphenol	108	4.719	4.725	-0.006	97	198566	50.0	30.4	
20 3 & 4 Methylphenol	108	4.719	4.725	-0.006	97	198566	50.0	30.4	
25 Hexachloroethane	117	4.807	4.813	-0.006	94	93681	50.0	33.0	
\$ 26 Nitrobenzene-d5	82	4.860	4.866	-0.006	85	201325	50.0	35.0	
27 Nitrobenzene	77	4.884	4.889	-0.005	93	267111	50.0	34.1	
28 n,n'-Dimethylaniline	120	4.884	4.889	-0.005	92	338861	50.0	36.4	
29 Isophorone	82	5.125	5.131	-0.006	98	337915	50.0	34.4	
30 2-Nitrophenol	139	5.201	5.207	-0.006	96	113630	50.0	40.3	
31 2,4-Dimethylphenol	122	5.254	5.260	-0.006	94	166838	50.0	34.0	
32 Bis(2-chloroethoxy)methane	93	5.342	5.348	-0.006	98	212189	50.0	33.0	
33 Benzoic acid	122	5.390	5.407	-0.017	86	84601	50.0	43.8	
34 2,4-Dichlorophenol	162	5.454	5.460	-0.006	97	160130	50.0	35.4	
35 1,2,4-Trichlorobenzene	180	5.531	5.537	-0.005	94	201072	50.0	39.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 36 Naphthalene-d8	136	5.590	5.584	0.006	99	664939	40.0	40.0	
37 Naphthalene	128	5.607	5.613	-0.006	100	593329	50.0	35.4	
38 4-Chloroaniline	127	5.666	5.672	-0.006	98	136092	50.0	20.2	
39 Hexachlorobutadiene	225	5.742	5.742	0.000	98	120347	50.0	41.1	
41 4-Chloro-3-methylphenol	107	6.166	6.166	0.000	94	133085	50.0	32.8	
42 2-Methylnaphthalene	142	6.307	6.307	0.000	86	379571	50.0	35.1	
43 1-Methylnaphthalene	142	6.401	6.407	-0.006	93	345514	50.0	37.1	
44 Hexachlorocyclopentadiene	237	6.472	6.472	0.000	98	120202	50.0	45.5	
45 1,2,4,5-Tetrachlorobenzene	216	6.478	6.484	-0.006	99	184648	50.0	38.8	
46 2-tertbutyl-4-methylphenol	149	6.513	6.519	-0.006	93	246020	50.0	36.3	
48 2,4,6-Trichlorophenol	196	6.595	6.595	0.000	94	108541	50.0	40.0	
49 2,4,5-Trichlorophenol	196	6.631	6.636	-0.005	99	109121	50.0	37.4	
\$ 50 2-Fluorobiphenyl	172	6.672	6.678	-0.006	98	411248	50.0	39.2	
51 1,1'-Biphenyl	154	6.772	6.778	-0.006	95	428181	50.0	36.3	
52 2-Chloronaphthalene	162	6.795	6.795	0.000	99	333915	50.0	36.8	
53 Phenyl ether	170	6.878	6.878	0.000	83	243037	50.0	39.9	
54 2-Nitroaniline	65	6.895	6.901	-0.006	91	74168	50.0	28.5	
55 1,3-Dimethylnaphthalene	156	7.013	7.013	0.000	93	290261	50.0	38.3	
58 Dimethyl phthalate	163	7.084	7.089	-0.005	99	321428	50.0	37.2	
59 Coumarin	146	7.101	7.107	-0.006	84	115450	50.0	38.6	
60 2,6-Dinitrotoluene	165	7.142	7.142	0.000	91	73063	50.0	41.1	
61 Acenaphthylene	152	7.207	7.207	0.000	98	511616	50.0	37.5	
62 3-Nitroaniline	138	7.307	7.313	-0.006	96	52585	50.0	26.3	
* 63 Acenaphthene-d10	164	7.348	7.342	0.006	93	314546	40.0	40.0	
64 3,5-di-tert-butyl-4-hydrox	205	7.366	7.372	-0.006	96	314219	50.0	41.9	
65 Acenaphthene	154	7.378	7.383	-0.005	95	296156	50.0	34.3	
66 2,4-Dinitrophenol	184	7.419	7.425	-0.006	92	74120	100.0	92.8	
67 4-Nitrophenol	65	7.489	7.495	-0.006	88	79672	100.0	67.2	
68 2,4-Dinitrotoluene	165	7.542	7.548	-0.006	97	91160	50.0	40.6	
69 Dibenzofuran	168	7.548	7.554	-0.006	97	430519	50.0	36.3	
70 2,3,4,6-Tetrachlorophenol	232	7.678	7.683	-0.005	97	82972	50.0	39.5	
71 Diethyl phthalate	149	7.778	7.783	-0.005	99	296417	50.0	36.2	
73 4-Chlorophenyl phenyl ethe	204	7.883	7.889	-0.006	92	163620	50.0	36.4	
74 Fluorene	166	7.889	7.889	0.000	95	332622	50.0	34.9	
75 4-Nitroaniline	138	7.913	7.919	-0.006	86	60396	50.0	33.5	
76 4,6-Dinitro-2-methylphenol	198	7.954	7.960	-0.006	94	100163	100.0	92.4	
78 1,2-Diphenylhydrazine	77	8.042	8.048	-0.006	95	280057	50.0	32.5	
\$ 79 2,4,6-Tribromophenol	330	8.131	8.130	0.001	90	66821	50.0	41.7	
80 4-Bromophenyl phenyl ether	248	8.366	8.372	-0.006	97	100384	50.0	40.4	
81 Hexachlorobenzene	284	8.442	8.448	-0.006	94	119063	50.0	42.2	
83 Pentachlorophenol	266	8.636	8.642	-0.006	96	101521	100.0	63.8	
84 Pentachloronitrobenzene	237	8.648	8.654	-0.006	92	39493	50.0	42.8	
72 n-Octadecane	57	8.707	8.713	-0.006	90	168091	50.0	29.7	
* 85 Phenanthrene-d10	188	8.813	8.813	0.000	98	413598	40.0	40.0	
86 Phenanthrene	178	8.836	8.842	-0.006	97	418601	50.0	37.2	
87 Anthracene	178	8.889	8.889	0.000	99	420076	50.0	37.3	
88 Carbazole	167	9.048	9.048	0.000	95	351319	50.0	37.6	
89 Di-n-butyl phthalate	149	9.383	9.389	-0.006	99	416104	50.0	36.9	
90 Fluoranthene	202	10.007	10.013	-0.006	98	380490	50.0	37.6	
91 Benzidine	184	10.136	10.136	0.000	100	137910	50.0	34.3	
92 Pyrene	202	10.236	10.236	0.000	97	385852	50.0	36.1	
93 Bisphenol-A	213	10.277	10.283	-0.006	99	68541	25.0	22.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
\$ 94 Terphenyl-d14	244	10.389	10.389	0.000	99	292424	50.0	39.8	
95 Butyl benzyl phthalate	149	10.913	10.913	0.000	95	149352	50.0	37.2	
97 Carbamazepine	193	11.036	11.048	-0.012	92	132850	50.0	39.0	
98 3,3'-Dichlorobenzidine	252	11.542	11.548	-0.006	98	74210	50.0	25.1	
99 Benzo[a]anthracene	228	11.571	11.577	-0.006	98	317151	50.0	37.0	
* 100 Chrysene-d12	240	11.589	11.583	0.006	99	310015	40.0	40.0	
102 Bis(2-ethylhexyl) phthalat	149	11.607	11.607	0.000	85	206368	50.0	36.5	
101 Chrysene	228	11.619	11.624	-0.005	99	303024	50.0	39.0	
103 Di-n-octyl phthalate	149	12.466	12.465	0.001	96	324887	50.0	36.6	
104 Benzo[b]fluoranthene	252	12.995	13.001	-0.006	99	309219	50.0	41.2	
105 Benzo[k]fluoranthene	252	13.030	13.042	-0.012	99	303496	50.0	38.3	
106 Benzo[a]pyrene	252	13.442	13.448	-0.006	97	291593	50.0	40.5	
* 107 Perylene-d12	264	13.518	13.519	-0.001	99	294791	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.983	15.001	-0.018	98	351572	50.0	37.7	M
109 Dibenz(a,h)anthracene	278	15.007	15.024	-0.017	98	332175	50.0	36.6	
110 Benzo[g,h,i]perylene	276	15.342	15.359	-0.017	98	349506	50.0	37.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SM_ISTD_00092

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CBNAMS12\\20150916-31812.b\\L125809.D

Injection Date: 16-Sep-2015 12:47:30

Instrument ID: CBNAMS12

Operator ID: BNA 12

Lims ID: LCS 460-322460/3-A

Worklist Smp#: 19

Client ID:

Injection Vol: 1.0 ul

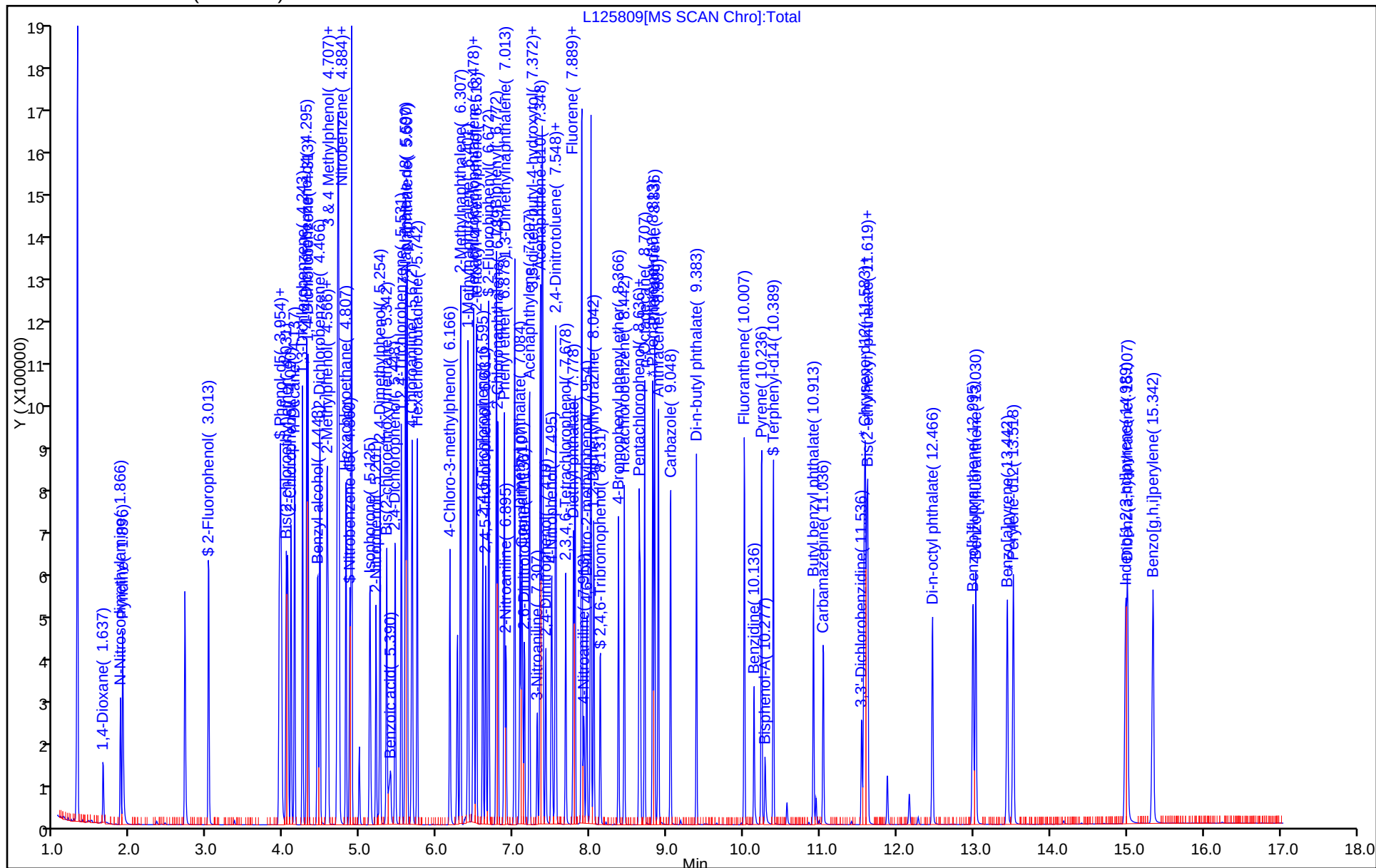
Dil. Factor: 1.0000

ALS Bottle#: 19

Method: 8270_12R_9

Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



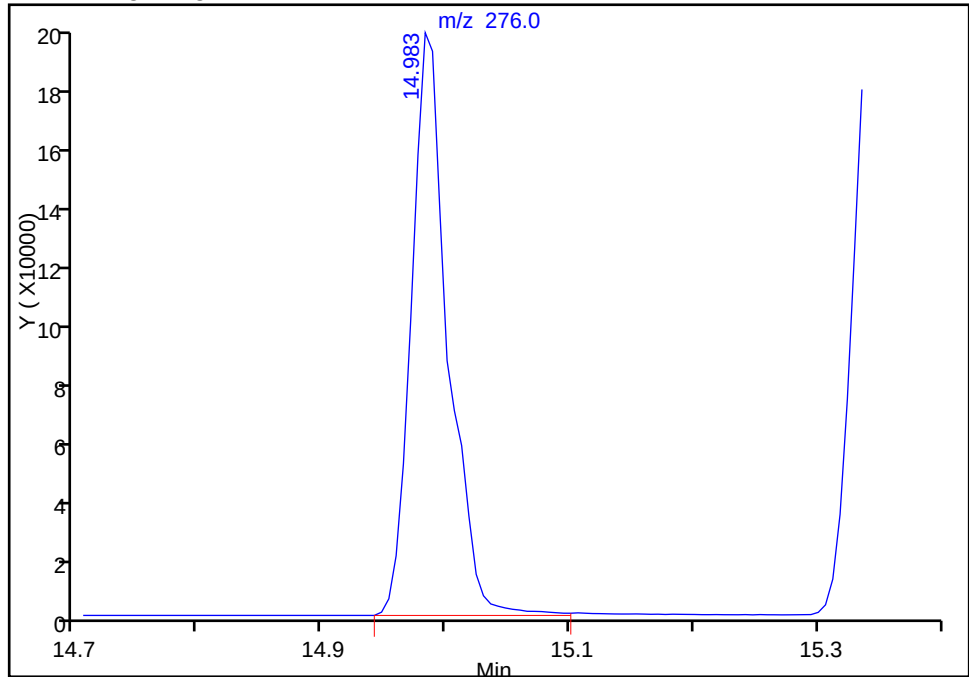
TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CBNAMS12\20150916-31812.b\L125809.D
Injection Date: 16-Sep-2015 12:47:30 Instrument ID: CBNAMS12
Lims ID: LCS 460-322460/3-A
Client ID:
Operator ID: BNA 12 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270D ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector: MS SCAN

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

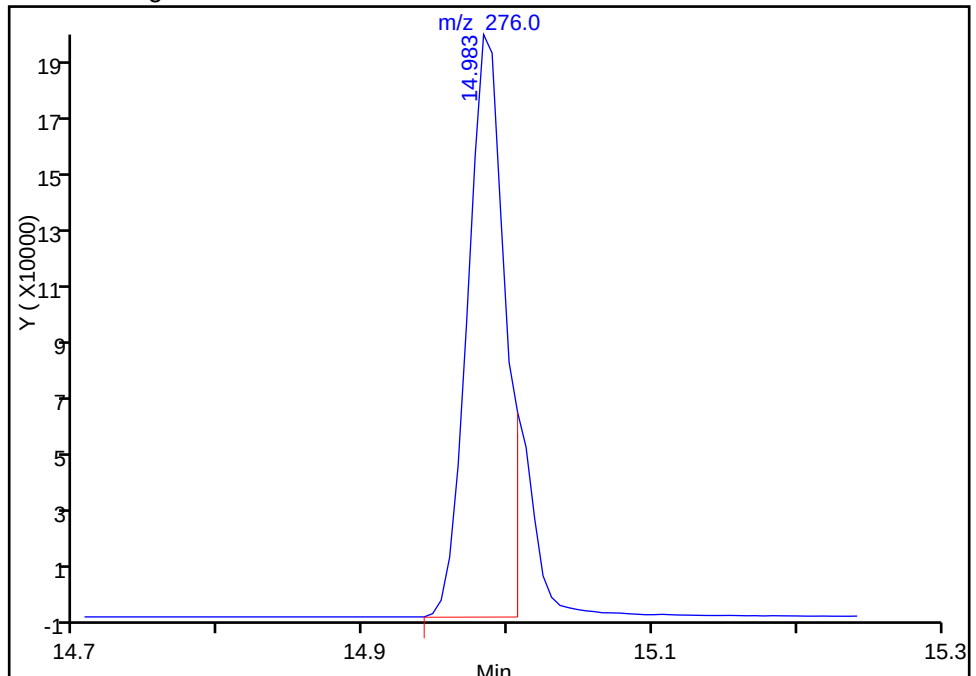
Processing Integration Results

RT: 14.98
Area: 397176
Amount: 42.579127
Amount Units: ug/ml



Manual Integration Results

RT: 14.98
Area: 351572
Amount: 37.726330
Amount Units: ug/ml



Reviewer: bayoumiw, 16-Sep-2015 13:50:56
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-12 MS</u>	Lab Sample ID: <u>460-100972-12 MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z36330.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>09/11/2015 10:14</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>09/14/2015 08:46</u>
Sample wt/vol: <u>15.0126(g)</u>	Date Analyzed: <u>09/15/2015 05:49</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>15.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322389</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	2.51		0.39	0.0099
91-57-6	2-Methylnaphthalene	2.61		0.39	0.0086
208-96-8	Acenaphthylene	2.72		0.39	0.010
83-32-9	Acenaphthene	2.51		0.39	0.0094
86-73-7	Fluorene	2.63		0.39	0.0085
85-01-8	Phenanthrene	3.57		0.39	0.010
120-12-7	Anthracene	2.89		0.39	0.037
206-44-0	Fluoranthene	4.12		0.39	0.012
129-00-0	Pyrene	4.25		0.39	0.018
56-55-3	Benzo[a]anthracene	3.48		0.039	0.033
218-01-9	Chrysene	3.68		0.39	0.011
205-99-2	Benzo[b]fluoranthene	3.52		0.039	0.015
207-08-9	Benzo[k]fluoranthene	3.09		0.039	0.017
50-32-8	Benzo[a]pyrene	3.51		0.039	0.012
193-39-5	Indeno[1,2,3-cd]pyrene	3.61		0.039	0.026
53-70-3	Dibenz(a,h)anthracene	3.18		0.039	0.020
191-24-2	Benzo[g,h,i]perylene	3.67		0.39	0.022

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	60		30-130
1718-51-0	Terphenyl-d14	73		30-130
321-60-8	2-Fluorobiphenyl	73		30-130

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-100972-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>460-100738-F-9-C MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>L125773.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>09/03/2015 13:00</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>09/15/2015 09:39</u>
Sample wt/vol: <u>15.0231(g)</u>	Date Analyzed: <u>09/15/2015 20:57</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>322563</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	1.41		0.33	0.0084
91-57-6	2-Methylnaphthalene	1.41		0.33	0.0073
208-96-8	Acenaphthylene	1.49		0.33	0.0085
83-32-9	Acenaphthene	1.37		0.33	0.0080
86-73-7	Fluorene	1.44		0.33	0.0072
85-01-8	Phenanthrene	1.49		0.33	0.0088
120-12-7	Anthracene	1.49		0.33	0.031
206-44-0	Fluoranthene	1.49		0.33	0.0098
129-00-0	Pyrene	1.55		0.33	0.015
56-55-3	Benzo[a]anthracene	1.49		0.033	0.028
218-01-9	Chrysene	1.59		0.33	0.0090
205-99-2	Benzo[b]fluoranthene	1.62		0.033	0.013
207-08-9	Benzo[k]fluoranthene	1.57		0.033	0.014
50-32-8	Benzo[a]pyrene	1.61		0.033	0.010
193-39-5	Indeno[1,2,3-cd]pyrene	1.35		0.033	0.022
53-70-3	Dibenz(a,h)anthracene	1.44		0.033	0.017
191-24-2	Benzo[g,h,i]perylene	1.45		0.33	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	44		30-130
1718-51-0	Terphenyl-d14	54		30-130
321-60-8	2-Fluorobiphenyl	49		30-130

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-12 MSD</u>	Lab Sample ID: <u>460-100972-12 MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z36331.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>09/11/2015 10:14</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>09/14/2015 08:46</u>
Sample wt/vol: <u>15.0424(g)</u>	Date Analyzed: <u>09/15/2015 06:12</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>15.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322389</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	2.65		0.39	0.0099
91-57-6	2-Methylnaphthalene	2.66		0.39	0.0086
208-96-8	Acenaphthylene	2.84		0.39	0.010
83-32-9	Acenaphthene	2.64		0.39	0.0094
86-73-7	Fluorene	2.72		0.39	0.0085
85-01-8	Phenanthrene	4.23		0.39	0.010
120-12-7	Anthracene	3.16		0.39	0.037
206-44-0	Fluoranthene	5.23		0.39	0.012
129-00-0	Pyrene	4.74		0.39	0.018
56-55-3	Benzo[a]anthracene	3.95		0.039	0.032
218-01-9	Chrysene	4.23		0.39	0.011
205-99-2	Benzo[b]fluoranthene	4.19		0.039	0.015
207-08-9	Benzo[k]fluoranthene	3.04		0.039	0.017
50-32-8	Benzo[a]pyrene	3.93		0.039	0.012
193-39-5	Indeno[1,2,3-cd]pyrene	4.15		0.039	0.026
53-70-3	Dibenz(a,h)anthracene	3.56		0.039	0.020
191-24-2	Benzo[g,h,i]perylene	4.39		0.39	0.022

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	64		30-130
1718-51-0	Terphenyl-d14	71		30-130
321-60-8	2-Fluorobiphenyl	78		30-130

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-100972-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>460-100738-F-9-D MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>L125774.D</u>
Analysis Method: <u>8270D</u>	Date Collected: <u>09/03/2015 13:00</u>
Extract. Method: <u>3546</u>	Date Extracted: <u>09/15/2015 09:39</u>
Sample wt/vol: <u>15.0493(g)</u>	Date Analyzed: <u>09/15/2015 21:22</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>6.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322563</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
91-20-3	Naphthalene	1.73		0.33	0.0084
91-57-6	2-Methylnaphthalene	1.73		0.33	0.0073
208-96-8	Acenaphthylene	1.85		0.33	0.0085
83-32-9	Acenaphthene	1.70		0.33	0.0080
86-73-7	Fluorene	1.78		0.33	0.0072
85-01-8	Phenanthrene	1.82		0.33	0.0088
120-12-7	Anthracene	1.81		0.33	0.031
206-44-0	Fluoranthene	1.89		0.33	0.0098
129-00-0	Pyrene	1.85		0.33	0.015
56-55-3	Benzo[a]anthracene	1.82		0.033	0.028
218-01-9	Chrysene	1.93		0.33	0.0090
205-99-2	Benzo[b]fluoranthene	1.98		0.033	0.013
207-08-9	Benzo[k]fluoranthene	1.98		0.033	0.014
50-32-8	Benzo[a]pyrene	1.98		0.033	0.010
193-39-5	Indeno[1,2,3-cd]pyrene	1.55		0.033	0.022
53-70-3	Dibenz(a,h)anthracene	1.70		0.033	0.017
191-24-2	Benzo[g,h,i]perylene	1.68		0.33	0.019

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	56		30-130
1718-51-0	Terphenyl-d14	67		30-130
321-60-8	2-Fluorobiphenyl	61		30-130

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-100972-1

SDG No.: _____

Instrument ID: CBNAMS11Start Date: 09/10/2015 00:53Analysis Batch Number: 321563End Date: 09/10/2015 08:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-321563/1		09/10/2015 00:53	1	z36194.D	Rtxi-5Sil MS 0.25 (mm)
ICIS 460-321563/2		09/10/2015 01:44	1	z36195.D	Rtxi-5Sil MS 0.25 (mm)
STD120 460-321563/3 IC		09/10/2015 02:30	1	z36196.D	Rtxi-5Sil MS 0.25 (mm)
STD80 460-321563/4 IC		09/10/2015 02:53	1	z36197.D	Rtxi-5Sil MS 0.25 (mm)
STD20 460-321563/5 IC		09/10/2015 03:16	1	z36198.D	Rtxi-5Sil MS 0.25 (mm)
STD10 460-321563/6 IC		09/10/2015 03:39	1	z36199.D	Rtxi-5Sil MS 0.25 (mm)
STD5 460-321563/7 IC		09/10/2015 04:02	1	z36200.D	Rtxi-5Sil MS 0.25 (mm)
STD2 460-321563/8 IC		09/10/2015 04:25	1	z36201.D	Rtxi-5Sil MS 0.25 (mm)
STD1 460-321563/9 IC		09/10/2015 04:48	1	z36202.D	Rtxi-5Sil MS 0.25 (mm)
STD05 460-321563/10 IC		09/10/2015 05:11	1	z36203.D	Rtxi-5Sil MS 0.25 (mm)
STD50 460-321563/11 IC		09/10/2015 05:34	1		Rtxi-5Sil MS 0.25 (mm)
STD120 460-321563/12 IC		09/10/2015 05:57	1		Rtxi-5Sil MS 0.25 (mm)
STD080 460-321563/13 IC		09/10/2015 06:20	1		Rtxi-5Sil MS 0.25 (mm)
STD020 460-321563/14 IC		09/10/2015 06:43	1		Rtxi-5Sil MS 0.25 (mm)
STD010 460-321563/15 IC		09/10/2015 07:05	1		Rtxi-5Sil MS 0.25 (mm)
STD5 460-321563/16 IC		09/10/2015 07:28	1		Rtxi-5Sil MS 0.25 (mm)
STD2 460-321563/17 IC		09/10/2015 07:51	1		Rtxi-5Sil MS 0.25 (mm)
ICV 460-321563/18		09/10/2015 08:14	1		Rtxi-5Sil MS 0.25 (mm)
ICV 460-321563/19		09/10/2015 08:37	1		Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-100972-1

SDG No.: _____

Instrument ID: CBNAMS11Start Date: 09/15/2015 02:35Analysis Batch Number: 322389End Date: 09/15/2015 13:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-322389/1		09/15/2015 02:35	1	z36323.D	Rtxi-5Sil MS 0.25 (mm)
CCVIS 460-322389/2		09/15/2015 03:23	1	z36324.D	Rtxi-5Sil MS 0.25 (mm)
CCV 460-322389/3		09/15/2015 03:50	1		Rtxi-5Sil MS 0.25 (mm)
MB 460-322274/1-A		09/15/2015 04:40	1	z36327.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 05:04	1		Rtxi-5Sil MS 0.25 (mm)
LCS 460-322274/3-A		09/15/2015 05:26	1	z36329.D	Rtxi-5Sil MS 0.25 (mm)
460-100972-12 MS	WC-12 MS	09/15/2015 05:49	1	z36330.D	Rtxi-5Sil MS 0.25 (mm)
460-100972-12 MSD	WC-12 MSD	09/15/2015 06:12	1	z36331.D	Rtxi-5Sil MS 0.25 (mm)
460-100972-12	WC-12	09/15/2015 06:35	1	z36332.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 06:58	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 07:21	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 07:44	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 08:07	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 08:53	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 09:15	1		Rtxi-5Sil MS 0.25 (mm)
460-100972-1	WC-1	09/15/2015 09:38	1	z36340.D	Rtxi-5Sil MS 0.25 (mm)
460-100972-2	WC-2	09/15/2015 10:01	1	z36341.D	Rtxi-5Sil MS 0.25 (mm)
460-100972-4	WC-4	09/15/2015 10:47	1	z36343.D	Rtxi-5Sil MS 0.25 (mm)
460-100972-5	WC-5	09/15/2015 11:10	1	z36344.D	Rtxi-5Sil MS 0.25 (mm)
460-100972-6	WC-6	09/15/2015 11:33	1	z36345.D	Rtxi-5Sil MS 0.25 (mm)
460-100972-8	WC-8	09/15/2015 12:19	1	z36347.D	Rtxi-5Sil MS 0.25 (mm)
460-100972-11	WC-11	09/15/2015 13:27	1	z36350.D	Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-100972-1

SDG No.: _____

Instrument ID: CBNAMS11Start Date: 09/16/2015 06:25Analysis Batch Number: 322656End Date: 09/16/2015 14:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-322656/1		09/16/2015 06:25	1	z36357.D	Rtxi-5Sil MS 0.25 (mm)
CCVIS 460-322656/2		09/16/2015 06:43	1	z36358.D	Rtxi-5Sil MS 0.25 (mm)
CCV 460-322656/3		09/16/2015 07:35	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 08:21	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 08:44	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 09:06	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 09:29	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 09:52	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 10:15	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 10:38	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 11:01	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 11:24	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 11:46	5		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 12:09	2		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 12:32	2		Rtxi-5Sil MS 0.25 (mm)
460-100972-10	WC-10	09/16/2015 12:55	2	z36373.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 13:18	2		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 13:41	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 14:04	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 14:27	1		Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-100972-1

SDG No.: _____

Instrument ID: CBNAMS12Start Date: 08/27/2015 02:21Analysis Batch Number: 319112End Date: 08/27/2015 14:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-319112/1		08/27/2015 02:21	1	L125021.D	Rtxi-5Sil MS 0.25 (mm)
ICIS 460-319112/2		08/27/2015 02:51	1	L125022.D	Rtxi-5Sil MS 0.25 (mm)
STD120 460-319112/3 IC		08/27/2015 03:16	1	L125023.D	Rtxi-5Sil MS 0.25 (mm)
STD80 460-319112/4 IC		08/27/2015 03:42	1	L125024.D	Rtxi-5Sil MS 0.25 (mm)
STD20 460-319112/5 IC		08/27/2015 04:08	1	L125025.D	Rtxi-5Sil MS 0.25 (mm)
STD10 460-319112/6 IC		08/27/2015 04:33	1	L125026.D	Rtxi-5Sil MS 0.25 (mm)
STD5 460-319112/7 IC		08/27/2015 04:59	1	L125027.D	Rtxi-5Sil MS 0.25 (mm)
STD2 460-319112/8 IC		08/27/2015 05:25	1	L125028.D	Rtxi-5Sil MS 0.25 (mm)
STD1 460-319112/9 IC		08/27/2015 05:50	1	L125029.D	Rtxi-5Sil MS 0.25 (mm)
STD05 460-319112/10 IC		08/27/2015 06:16	1	L125030.D	Rtxi-5Sil MS 0.25 (mm)
STD50 460-319112/11 IC		08/27/2015 06:42	1		Rtxi-5Sil MS 0.25 (mm)
STD120 460-319112/12 IC		08/27/2015 07:07	1		Rtxi-5Sil MS 0.25 (mm)
STD080 460-319112/13 IC		08/27/2015 07:32	1		Rtxi-5Sil MS 0.25 (mm)
STD020 460-319112/14 IC		08/27/2015 07:57	1		Rtxi-5Sil MS 0.25 (mm)
STD010 460-319112/15 IC		08/27/2015 08:23	1		Rtxi-5Sil MS 0.25 (mm)
STD5 460-319112/16 IC		08/27/2015 08:48	1		Rtxi-5Sil MS 0.25 (mm)
STD2 460-319112/17 IC		08/27/2015 09:14	1		Rtxi-5Sil MS 0.25 (mm)
ICV 460-319112/18		08/27/2015 09:40	1		Rtxi-5Sil MS 0.25 (mm)
ICV 460-319112/19		08/27/2015 10:47	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/27/2015 11:15	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/27/2015 11:41	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/27/2015 12:06	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/27/2015 12:32	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/27/2015 12:57	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/27/2015 13:23	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/27/2015 13:49	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		08/27/2015 14:14	1		Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-100972-1

SDG No.: _____

Instrument ID: CBNAMS12Start Date: 09/15/2015 15:54Analysis Batch Number: 322563End Date: 09/16/2015 02:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-322563/1		09/15/2015 15:54	1	L125761.D	Rtxi-5Sil MS 0.25 (mm)
CCVIS 460-322563/2		09/15/2015 16:14	1	L125762.D	Rtxi-5Sil MS 0.25 (mm)
CCV 460-322563/3		09/15/2015 16:43	1		Rtxi-5Sil MS 0.25 (mm)
MB 460-322460/1-A		09/15/2015 17:34	1	L125765.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 17:59	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 18:25	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 18:50	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 19:15	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 19:41	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 20:06	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 20:32	1		Rtxi-5Sil MS 0.25 (mm)
460-100738-F-9-C MS		09/15/2015 20:57	1	L125773.D	Rtxi-5Sil MS 0.25 (mm)
460-100738-F-9-D MSD		09/15/2015 21:22	1	L125774.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 21:47	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 22:13	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 22:38	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 23:04	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 23:29	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 23:54	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 00:19	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 00:45	1		Rtxi-5Sil MS 0.25 (mm)
460-100972-9	WC-9	09/16/2015 01:10	5	L125783.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 01:35	5		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 02:01	25		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 02:52	5		Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-100972-1

SDG No.: _____

Instrument ID: CBNAMS12Start Date: 09/16/2015 04:41Analysis Batch Number: 322632End Date: 09/16/2015 16:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-322632/1		09/16/2015 04:41	1	L125791.D	Rtxi-5Sil MS 0.25 (mm)
CCVIS 460-322632/2		09/16/2015 05:01	1	L125792.D	Rtxi-5Sil MS 0.25 (mm)
CCV 460-322632/3		09/16/2015 05:27	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 07:43	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 08:08	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 08:33	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 08:59	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 09:24	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 09:49	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 10:15	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 10:40	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 11:06	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 11:31	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 11:56	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 12:22	1		Rtxi-5Sil MS 0.25 (mm)
LCS 460-322460/3-A		09/16/2015 12:47	1	L125809.D	Rtxi-5Sil MS 0.25 (mm)
460-100972-13	WC-13	09/16/2015 13:13	1	L125810.D	Rtxi-5Sil MS 0.25 (mm)
460-100972-14	WC-14	09/16/2015 13:38	1	L125811.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 14:03	2		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 14:29	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 14:54	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 15:20	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 15:45	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 16:10	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/16/2015 16:35	5		Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-100972-1

SDG No.: _____

Instrument ID: CBNAMS5Start Date: 09/03/2015 01:23Analysis Batch Number: 320549End Date: 09/03/2015 09:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-320549/1		09/03/2015 01:23	1	x5993.D	Rtxi-5Sil MS 0.25 (mm)
ICIS 460-320549/2		09/03/2015 01:41	1	x5994.D	Rtxi-5Sil MS 0.25 (mm)
STD120 460-320549/3 IC		09/03/2015 02:23	1	x5995.D	Rtxi-5Sil MS 0.25 (mm)
STD80 460-320549/4 IC		09/03/2015 02:47	1	x5996.D	Rtxi-5Sil MS 0.25 (mm)
STD20 460-320549/5 IC		09/03/2015 03:11	1	x5997.D	Rtxi-5Sil MS 0.25 (mm)
STD10 460-320549/6 IC		09/03/2015 03:35	1	x5998.D	Rtxi-5Sil MS 0.25 (mm)
STD5 460-320549/7 IC		09/03/2015 03:59	1	x5999.D	Rtxi-5Sil MS 0.25 (mm)
STD2 460-320549/8 IC		09/03/2015 04:23	1	x6000.D	Rtxi-5Sil MS 0.25 (mm)
STD1 460-320549/9 IC		09/03/2015 04:47	1	x6001.D	Rtxi-5Sil MS 0.25 (mm)
STD05 460-320549/10 IC		09/03/2015 05:11	1	x6002.D	Rtxi-5Sil MS 0.25 (mm)
STD50 460-320549/11 IC		09/03/2015 05:35	1		Rtxi-5Sil MS 0.25 (mm)
STD120 460-320549/12 IC		09/03/2015 05:59	1		Rtxi-5Sil MS 0.25 (mm)
STD080 460-320549/13 IC		09/03/2015 06:23	1		Rtxi-5Sil MS 0.25 (mm)
STD020 460-320549/14 IC		09/03/2015 06:47	1		Rtxi-5Sil MS 0.25 (mm)
STD010 460-320549/15 IC		09/03/2015 07:11	1		Rtxi-5Sil MS 0.25 (mm)
STD5 460-320549/16 IC		09/03/2015 07:35	1		Rtxi-5Sil MS 0.25 (mm)
STD2 460-320549/17 IC		09/03/2015 07:59	1		Rtxi-5Sil MS 0.25 (mm)
ICV 460-320549/19		09/03/2015 08:47	1		Rtxi-5Sil MS 0.25 (mm)
ICV 460-320549/20		09/03/2015 09:11	1		Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Instrument ID: CBNAMS5 Start Date: 09/15/2015 03:25Analysis Batch Number: 322397 End Date: 09/15/2015 15:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-322397/1		09/15/2015 03:25	1	x6401.D	Rtxi-5Sil MS 0.25 (mm)
CCVIS 460-322397/2		09/15/2015 03:40	1	x6402.D	Rtxi-5Sil MS 0.25 (mm)
CCV 460-322397/3		09/15/2015 04:15	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 06:40	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 07:28	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 09:04	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 09:28	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 09:52	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 10:16	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 10:40	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 11:04	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 11:52	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 12:15	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 12:39	2		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 13:03	1		Rtxi-5Sil MS 0.25 (mm)
460-100972-3	WC-3	09/15/2015 13:51	5	x6427.D	Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 14:15	1		Rtxi-5Sil MS 0.25 (mm)
ZZZZZ		09/15/2015 14:39	10		Rtxi-5Sil MS 0.25 (mm)
460-100972-7	WC-7	09/15/2015 15:03	5	x6430.D	Rtxi-5Sil MS 0.25 (mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica EdisonJob No.: 460-100972-1

SDG No.: _____

Batch Number: 322274Batch Start Date: 09/14/15 08:46Batch Analyst: Patel, HarshBatch Method: 3546Batch End Date: 09/14/15 17:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	OP_Benzald_sp 00002	OP_BNA SPIK 00017	OP_BNASurroga 00008	
MB 460-322274/1		3546, 8270D		15.0000 g	1 mL			500 uL	
LCS 460-322274/3		3546, 8270D		15.0000 g	1 mL		500 uL	500 uL	
460-100972-A-12 MS	WC-12	3546, 8270D	T	15.0126 g	1 mL	50 uL	500 uL	500 uL	
460-100972-A-12 MSD	WC-12	3546, 8270D	T	15.0424 g	1 mL	50 uL	500 uL	500 uL	
460-100972-A-12	WC-12	3546, 8270D	T	15.0492 g	1 mL			500 uL	
460-100972-A-1	WC-1	3546, 8270D	T	15.0395 g	1 mL			500 uL	
460-100972-A-2	WC-2	3546, 8270D	T	15.0372 g	1 mL			500 uL	
460-100972-A-3	WC-3	3546, 8270D	T	15.0247 g	1 mL			500 uL	
460-100972-A-4	WC-4	3546, 8270D	T	15.0384 g	1 mL			500 uL	
460-100972-A-5	WC-5	3546, 8270D	T	15.0324 g	1 mL			500 uL	
460-100972-A-6	WC-6	3546, 8270D	T	15.0231 g	1 mL			500 uL	
460-100972-A-7	WC-7	3546, 8270D	T	15.0372 g	1 mL			500 uL	
460-100972-A-8	WC-8	3546, 8270D	T	15.0244 g	1 mL			500 uL	
460-100972-A-9	WC-9	3546, 8270D	T	15.0321 g	1 mL			500 uL	
460-100972-A-10	WC-10	3546, 8270D	T	15.0342 g	1 mL			500 uL	
460-100972-A-11	WC-11	3546, 8270D	T	15.0435 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.

8270D

Page 1 of 2

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Batch Number: 322274 Batch Start Date: 09/14/15 08:46 Batch Analyst: Patel, HarshBatch Method: 3546 Batch End Date: 09/14/15 17:30

Batch Notes	
Balance ID	28
Batch Comment	BNA SOIL 8270D
Person's name who did the concentration	hp
Final Concentrator Volume	1 mL
MeCl2/Acetone Lot #	98847
Microwave Start Time	11.30am
Microwave Stop Time	12.00am
Na2SO4 Lot Number	433101
Person's name who did the prep	hp
Person who performed Spike	hp
Water Bath ID	222299
Water Bath Temperature	38C (38C UNCORRECTED)

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

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Batch Number: 322460 Batch Start Date: 09/15/15 09:38 Batch Analyst: Patel, HarshBatch 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 460-322460/1		3546, 8270D		15.0000 g	1 mL			500 uL	
LCS 460-322460/3		3546, 8270D		15.0000 g	1 mL		500 uL	500 uL	
460-100738-F-9 MS		3546, 8270D	T	15.0231 g	1 mL	50 uL	500 uL	500 uL	
460-100738-F-9 MSD		3546, 8270D	T	15.0493 g	1 mL	50 uL	500 uL	500 uL	
460-100972-A-13	WC-13	3546, 8270D	T	15.0213 g	1 mL			500 uL	
460-100972-A-14	WC-14	3546, 8270D	T	15.0251 g	1 mL			500 uL	

Batch Notes	
Balance ID	28
Batch Comment	BNA SOIL 8270D
Person's name who did the concentration	hp
Final Concentrator Volume	1 mL
MeCl2/Acetone Lot #	98847
Microwave Start Time	11.30am
Microwave Stop Time	12.00am
Na2SO4 Lot Number	433101
Person's name who did the prep	hp
Person who performed Spike	hp
Water Bath ID	222299
Water Bath Temperature	38C (38C UNCORRECTED)

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.

8082A_DKQP

Polychlorinated Biphenyls (PCBs) by
Gas Chromatography

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-100972-1

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 #
WC-1	460-100972-1	111	111	115	111
WC-2	460-100972-2	106	104	114	105
WC-3	460-100972-3	108	106	116	108
WC-4	460-100972-4	100	98	104	99
WC-5	460-100972-5	96	95	106	96
WC-6	460-100972-6	108	106	115	108
WC-7	460-100972-7	102	100	107	101
WC-8	460-100972-8	102	101	108	101
WC-9	460-100972-9	104	102	114	107
WC-10	460-100972-10	97	96	102	97
WC-11	460-100972-11	106	107	108	103
WC-12	460-100972-12	104	103	111	101
WC-13	460-100972-13	106	105	113	107
WC-14	460-100972-14	102	99	106	100
	MB 460-322399/1-A	107	105	118	110
	LCS 460-322399/2-A	111	108	116	107
WC-1 MS	460-100972-1 MS	96	96	100	95
WC-1 MSD	460-100972-1 MSD	119	117	124	117

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

QC LIMITS
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.: 460-100972-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: T1309379.D
Lab ID: LCS 460-322399/2-A Client ID: _____

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Aroclor 1016	0.333	0.372	112	40-140	
Aroclor 1016	0.333	0.378	113	40-140	
Aroclor 1260	0.333	0.413	124	40-140	
Aroclor 1260	0.333	0.425	127	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.: 460-100972-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: T1309380.D
Lab ID: 460-100972-1 MS Client ID: WC-1 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Aroclor 1016	0.400	0.011 U	0.398	99	40-140	
Aroclor 1016	0.400	0.011 U	0.392	98	40-140	
Aroclor 1260	0.400	0.011 U	0.447	112	40-140	
Aroclor 1260	0.400	0.011 U	0.446	111	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.: 460-100972-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: T1309381.D
 Lab ID: 460-100972-1 MSD Client ID: WC-1 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Aroclor 1016	0.400	0.474	119	18	30	40-140	
Aroclor 1016	0.400	0.467	117	18	30	40-140	
Aroclor 1260	0.400	0.529	132	17	30	40-140	
Aroclor 1260	0.400	0.533	133	17	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.: 460-100972-1
 SDG No.: _____
 Lab Sample ID: MB 460-322399/1-A
 Matrix: Solid Date Extracted: 09/15/2015 02:35
 Lab File ID: (1) T1309378.D Lab File ID: (2) T1309378.D
 Date Analyzed: (1) 09/15/2015 16:33 Date Analyzed: (2) 09/15/2015 16:33
 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 460-322399/2-A	09/15/2015 16:48	09/15/2015 16:48
WC-1 MS	460-100972-1 MS	09/15/2015 17:02	09/15/2015 17:02
WC-1 MSD	460-100972-1 MSD	09/15/2015 17:17	09/15/2015 17:17
WC-1	460-100972-1	09/15/2015 17:31	09/15/2015 17:31
WC-2	460-100972-2	09/15/2015 17:46	09/15/2015 17:46
WC-3	460-100972-3	09/15/2015 18:00	09/15/2015 18:00
WC-4	460-100972-4	09/15/2015 18:15	09/15/2015 18:15
WC-5	460-100972-5	09/15/2015 18:30	09/15/2015 18:30
WC-6	460-100972-6	09/15/2015 18:44	09/15/2015 18:44
WC-7	460-100972-7	09/15/2015 18:59	09/15/2015 18:59
WC-8	460-100972-8	09/15/2015 19:13	09/15/2015 19:13
WC-9	460-100972-9	09/15/2015 19:28	09/15/2015 19:28
WC-10	460-100972-10	09/15/2015 19:42	09/15/2015 19:42
WC-11	460-100972-11	09/15/2015 19:57	09/15/2015 19:57
WC-12	460-100972-12	09/15/2015 20:11	09/15/2015 20:11
WC-13	460-100972-13	09/15/2015 21:53	09/15/2015 21:53
WC-14	460-100972-14	09/15/2015 22:07	09/15/2015 22:07

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-100972-1
SDG No.: _____
Client Sample ID: WC-1 Lab Sample ID: 460-100972-1
Matrix: Solid Lab File ID: T1309382.D
Analysis Method: 8082A Date Collected: 09/11/2015 08:31
Extraction Method: 3546 Date Extracted: 09/15/2015 02:35
Sample wt/vol: 15.0046(g) Date Analyzed: 09/15/2015 17:31
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: 16.8 GPC Cleanup: (Y/N) N
Analysis Batch No.: 322579 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	111		30-150
877-09-8	Tetrachloro-m-xylene	111		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309382.D
 Lims ID: 460-100972-A-1-E Lab Sample ID: 460-100972-1
 Client ID: WC-1
 Sample Type: Client
 Inject. Date: 15-Sep-2015 17:31:54 ALS Bottle#: 29 Worklist Smp#: 29
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031789-029
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 15-Sep-2015 22:18:37 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: XAWRK047

First Level Reviewer: boykinc

Date: 15-Sep-2015 22:13:45

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.543	1.542	0.001	28702186	20.0
2	1.363	1.361	0.002	36947987	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.432	2.431	0.001	70908849	55.7
2	1.993	1.991	0.002	96169041	55.7

RPD = 0.09

\$ 11 DCB Decachlorobiphenyl

1	10.528	10.530	-0.002	52898806	55.7
2	9.030	9.028	0.002	99828716	57.6

RPD = 3.39

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309382.D

Injection Date: 15-Sep-2015 17:31:54

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-100972-A-1-E

Lab Sample ID: 460-100972-1

Worklist Smp#: 29

Client ID: WC-1

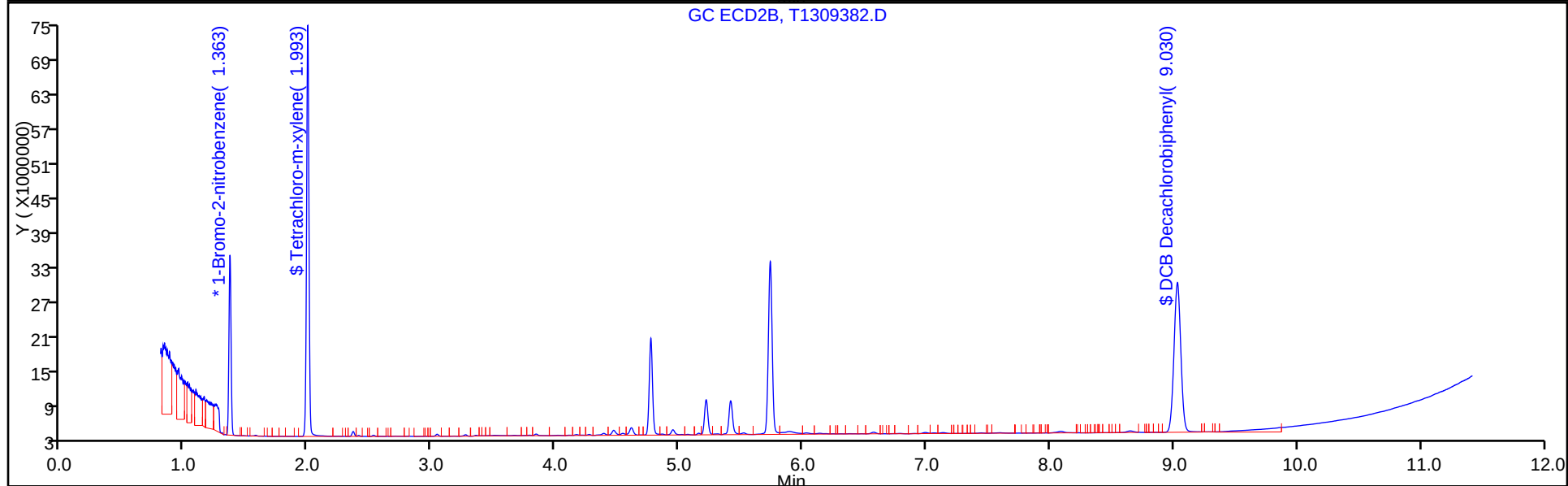
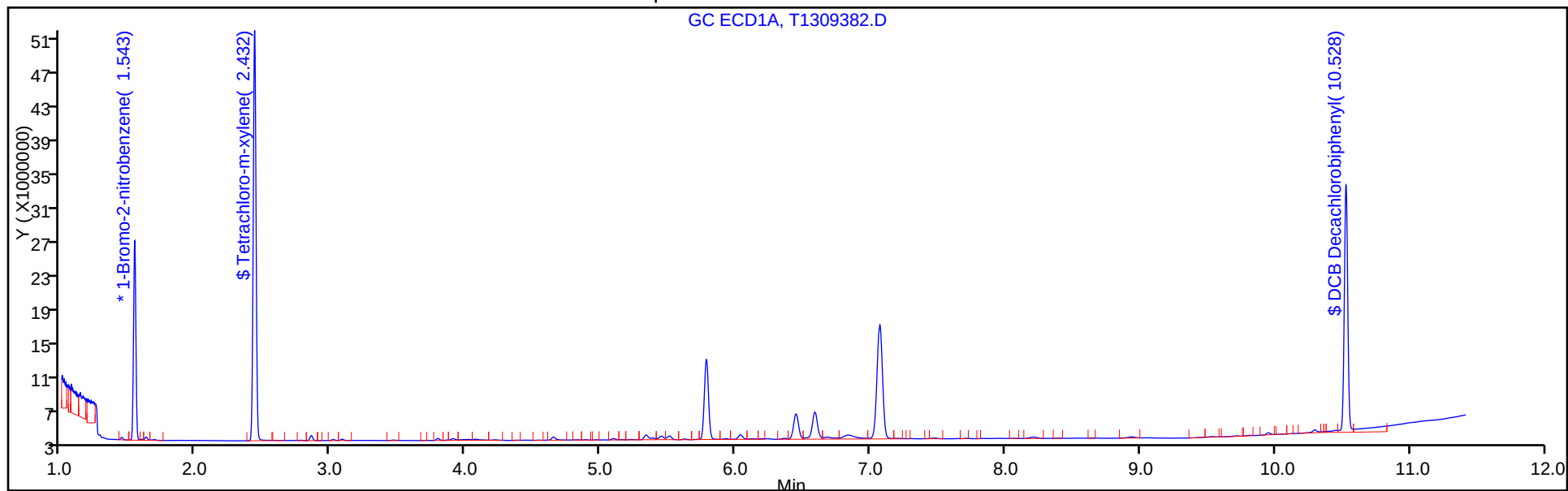
Injection Vol: 1.0 ul

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>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-1</u>	Lab Sample ID: <u>460-100972-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1309382.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>09/11/2015 08:31</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>09/15/2015 02:35</u>
Sample wt/vol: <u>15.0046(g)</u>	Date Analyzed: <u>09/15/2015 17:31</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>16.8</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322579</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	115		30-150
877-09-8	Tetrachloro-m-xylene	111		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309382.D
 Lims ID: 460-100972-A-1-E Lab Sample ID: 460-100972-1
 Client ID: WC-1
 Sample Type: Client
 Inject. Date: 15-Sep-2015 17:31:54 ALS Bottle#: 29 Worklist Smp#: 29
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031789-029
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 15-Sep-2015 22:18:37 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: XAWRK047

First Level Reviewer: boykinc

Date: 15-Sep-2015 22:13:45

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.543	1.542	0.001	28702186	20.0
2	1.363	1.361	0.002	36947987	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.432	2.431	0.001	70908849	55.7
2	1.993	1.991	0.002	96169041	55.7

RPD = 0.09

\$ 11 DCB Decachlorobiphenyl

1	10.528	10.530	-0.002	52898806	55.7
2	9.030	9.028	0.002	99828716	57.6

RPD = 3.39

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150915-31789.b\\T1309382.D

Injection Date: 15-Sep-2015 17:31:54

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-100972-A-1-E

Lab Sample ID: 460-100972-1

Worklist Smp#: 29

Client ID: WC-1

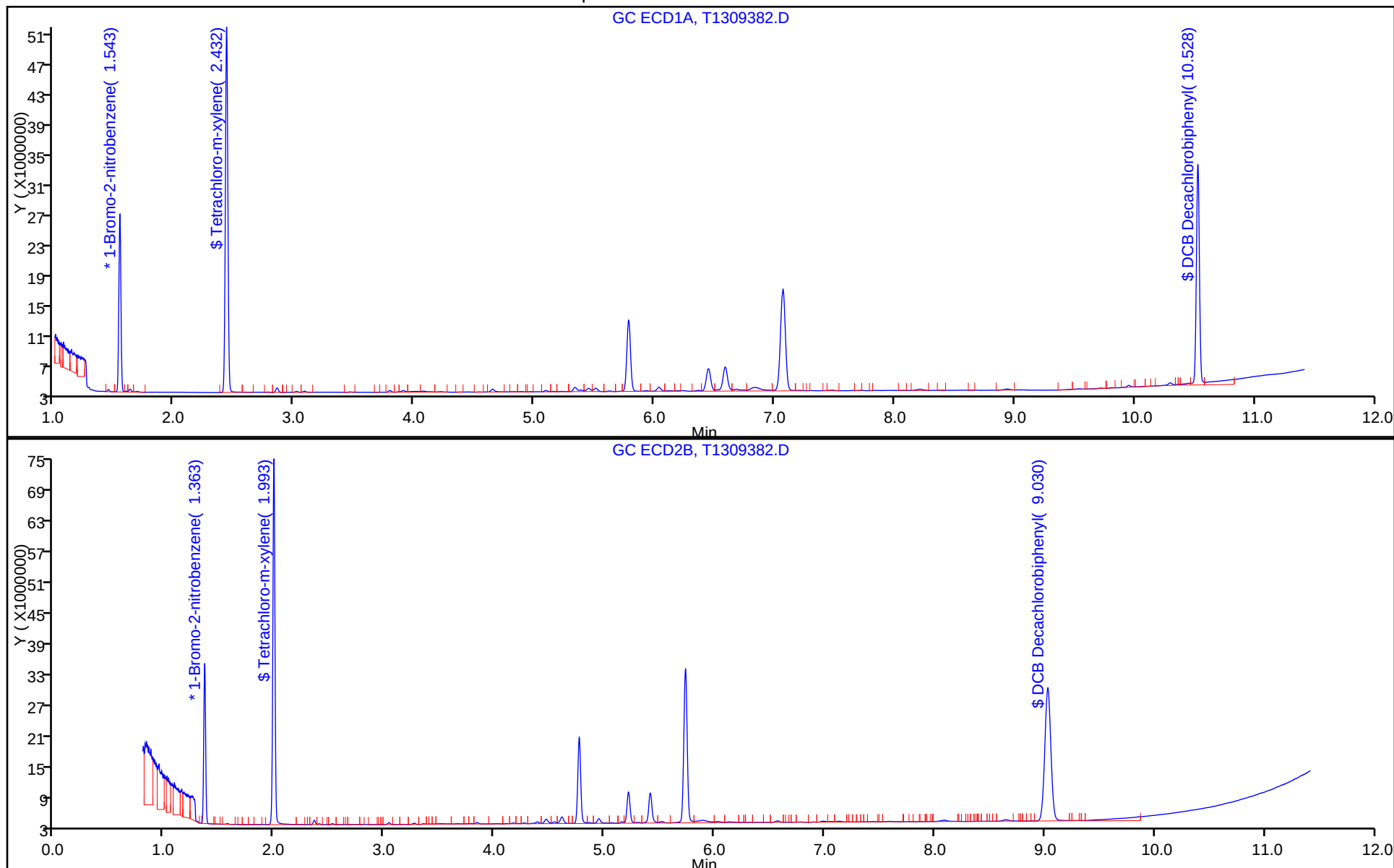
Injection Vol: 1.0 ul

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.: 460-100972-1
SDG No.: _____
Client Sample ID: WC-2 Lab Sample ID: 460-100972-2
Matrix: Solid Lab File ID: T1309383.D
Analysis Method: 8082A Date Collected: 09/11/2015 08:39
Extraction Method: 3546 Date Extracted: 09/15/2015 02:35
Sample wt/vol: 15.0060(g) Date Analyzed: 09/15/2015 17:46
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.: 322579 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\20150915-31789.b\T1309383.D
 Lims ID: 460-100972-A-2-C Lab Sample ID: 460-100972-2
 Client ID: WC-2
 Sample Type: Client
 Inject. Date: 15-Sep-2015 17:46:26 ALS Bottle#: 30 Worklist Smp#: 30
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031789-030
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 15-Sep-2015 22:18:37 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: XAWRK047

First Level Reviewer: boykinc

Date: 15-Sep-2015 22:13:57

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.543	1.542	0.001	29901412	20.0
2	1.363	1.361	0.002	37855988	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.433	2.431	0.002	68921392	51.9
2	1.993	1.991	0.002	93761814	53.0

RPD = 2.06

\$ 11 DCB Decachlorobiphenyl

1	10.516	10.530	-0.014	52068871	52.6
2	9.028	9.028	0.000	101323626	57.1

RPD = 8.12

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150915-31789.b\\T1309383.D

Injection Date: 15-Sep-2015 17:46:26

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-100972-A-2-C

Lab Sample ID: 460-100972-2

Worklist Smp#: 30

Client ID: WC-2

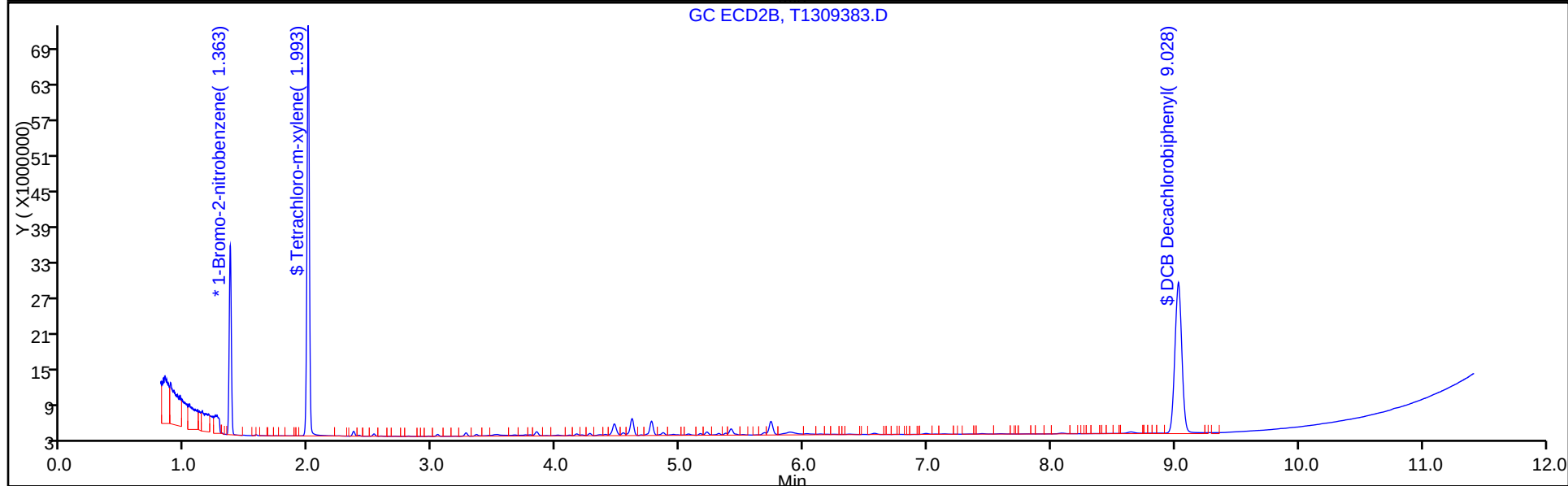
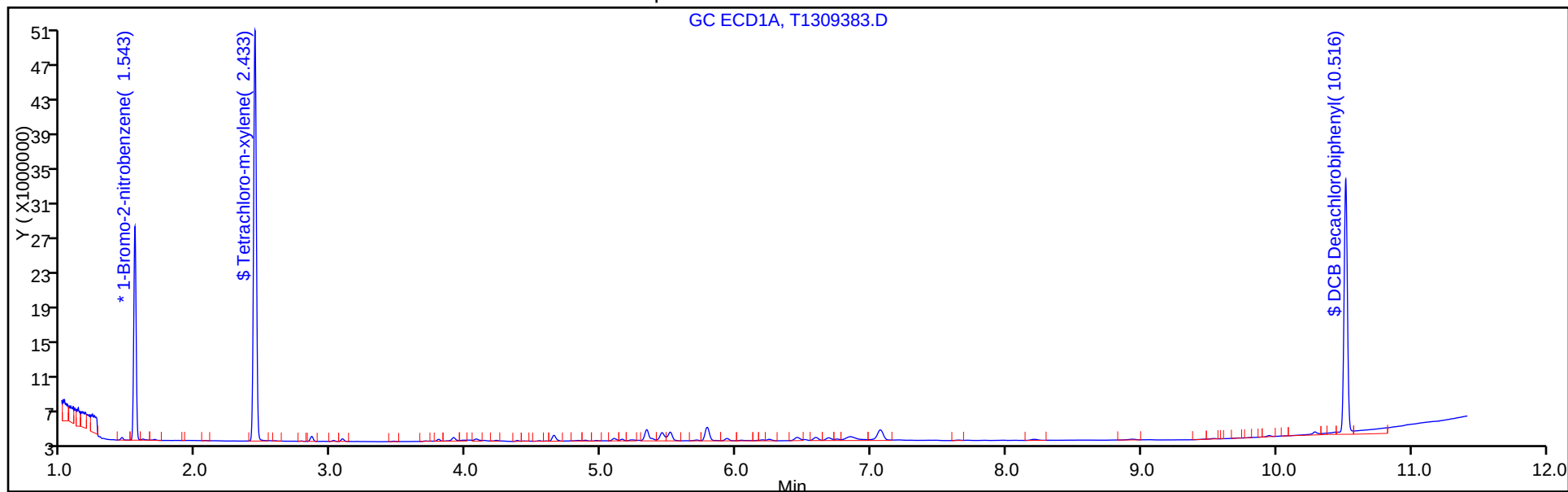
Injection Vol: 1.0 ul

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>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-2</u>	Lab Sample ID: <u>460-100972-2</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1309383.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>09/11/2015 08:39</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>09/15/2015 02:35</u>
Sample wt/vol: <u>15.0060(g)</u>	Date Analyzed: <u>09/15/2015 17:46</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>322579</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	114		30-150
877-09-8	Tetrachloro-m-xylene	106		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309383.D
 Lims ID: 460-100972-A-2-C Lab Sample ID: 460-100972-2
 Client ID: WC-2
 Sample Type: Client
 Inject. Date: 15-Sep-2015 17:46:26 ALS Bottle#: 30 Worklist Smp#: 30
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031789-030
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 15-Sep-2015 22:18:37 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: XAWRK047

First Level Reviewer: boykinc

Date: 15-Sep-2015 22:13:57

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.543	1.542	0.001	29901412	20.0
2	1.363	1.361	0.002	37855988	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.433	2.431	0.002	68921392	51.9
2	1.993	1.991	0.002	93761814	53.0

RPD = 2.06

\$ 11 DCB Decachlorobiphenyl

1	10.516	10.530	-0.014	52068871	52.6
2	9.028	9.028	0.000	101323626	57.1

RPD = 8.12

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150915-31789.b\\T1309383.D

Injection Date: 15-Sep-2015 17:46:26

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-100972-A-2-C

Lab Sample ID: 460-100972-2

Worklist Smp#: 30

Client ID: WC-2

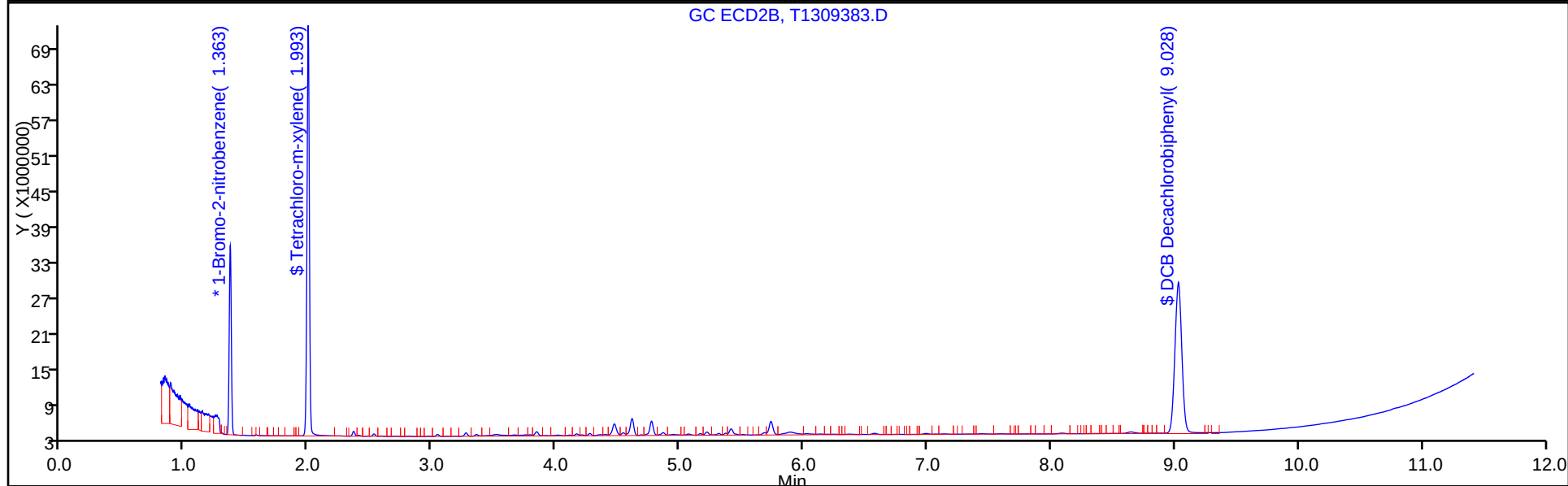
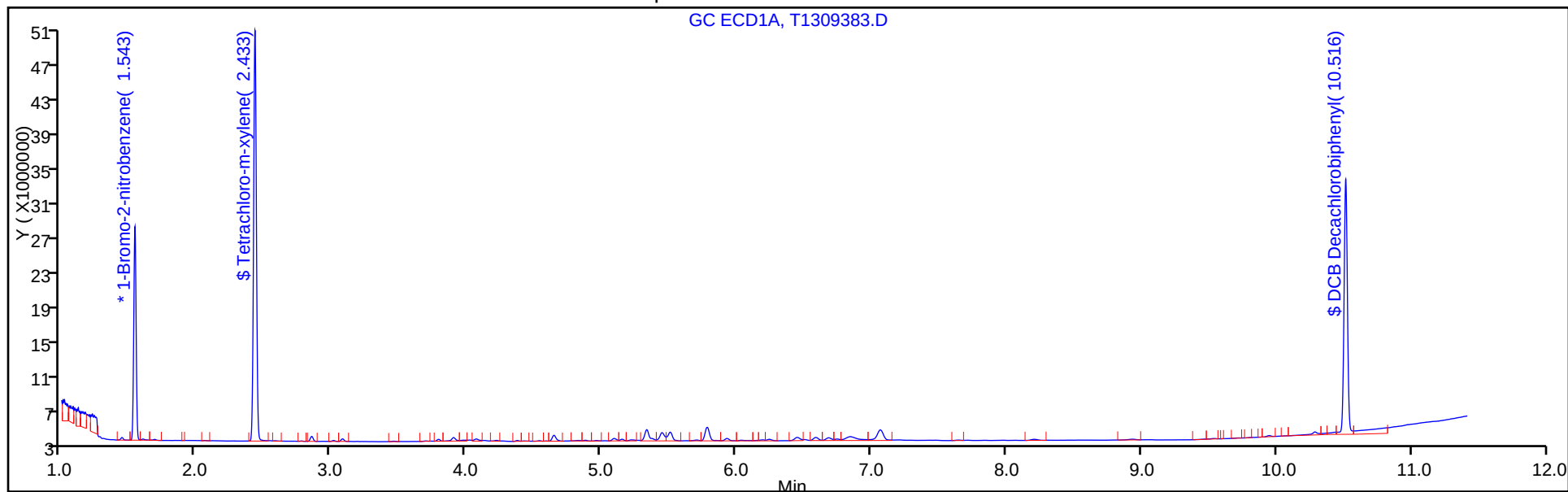
Injection Vol: 1.0 ul

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.: 460-100972-1
SDG No.: _____
Client Sample ID: WC-3 Lab Sample ID: 460-100972-3
Matrix: Solid Lab File ID: T1309384.D
Analysis Method: 8082A Date Collected: 09/11/2015 08:42
Extraction Method: 3546 Date Extracted: 09/15/2015 02:35
Sample wt/vol: 15.0099(g) Date Analyzed: 09/15/2015 18:00
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.: 322579 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	108		30-150
877-09-8	Tetrachloro-m-xylene	106		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309384.D
 Lims ID: 460-100972-A-3-E Lab Sample ID: 460-100972-3
 Client ID: WC-3
 Sample Type: Client
 Inject. Date: 15-Sep-2015 18:00:57 ALS Bottle#: 31 Worklist Smp#: 31
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031789-031
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 15-Sep-2015 22:18:37 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: XAWRK047

First Level Reviewer: boykinc Date: 15-Sep-2015 22:14:07

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.543	1.542	0.001	28303818	20.0
2	1.363	1.361	0.002	35228855	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.433	2.431	0.002	66324830	52.8
2	1.993	1.991	0.002	88994804	54.1

RPD = 2.38

\$ 11 DCB Decachlorobiphenyl

1	10.523	10.530	-0.007	50436387	53.9
2	9.029	9.028	0.001	95585353	57.9

RPD = 7.17

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150915-31789.b\\T1309384.D

Injection Date: 15-Sep-2015 18:00:57

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-100972-A-3-E

Lab Sample ID: 460-100972-3

Worklist Smp#: 31

Client ID: WC-3

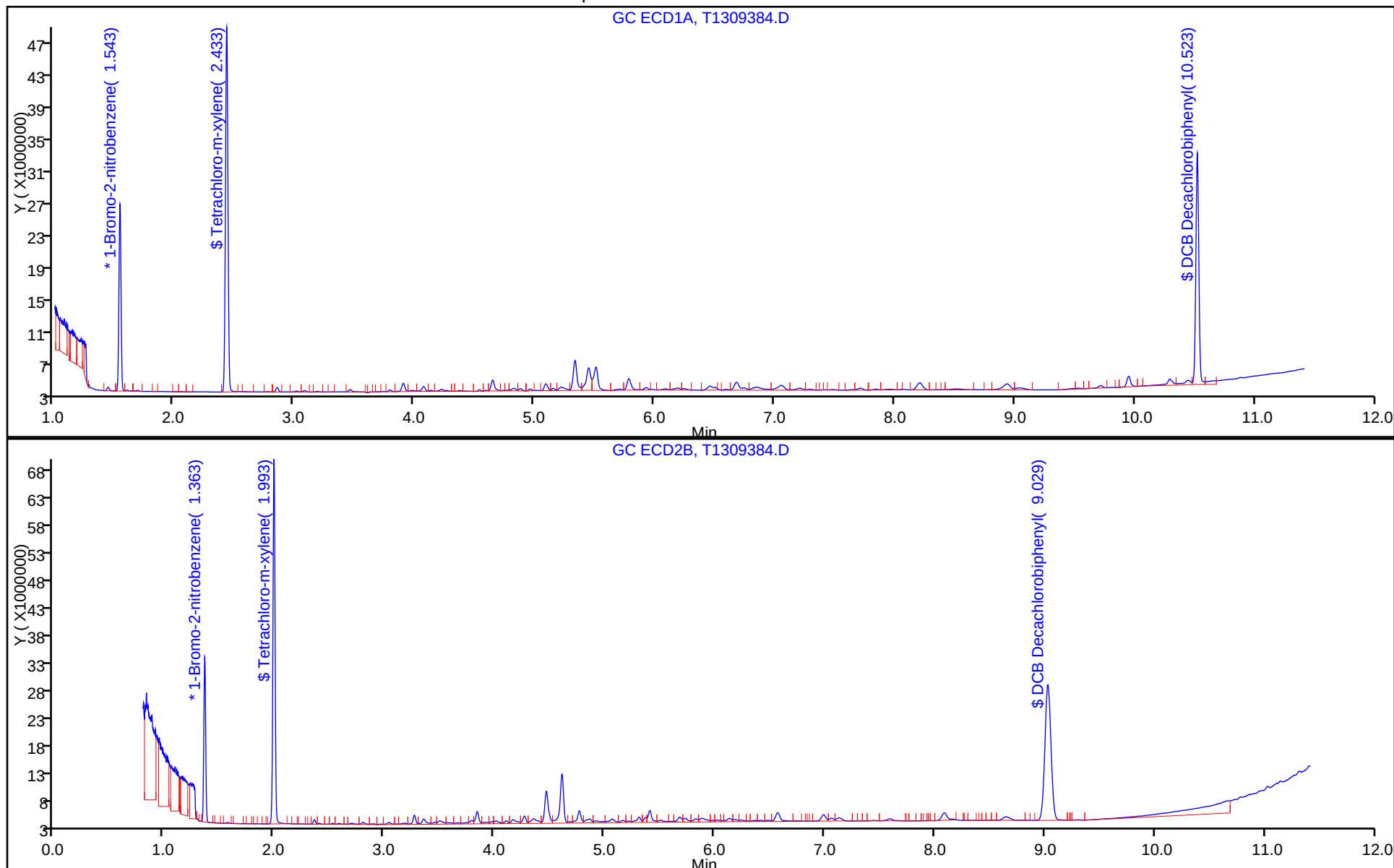
Injection Vol: 1.0 ul

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>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-3</u>	Lab Sample ID: <u>460-100972-3</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1309384.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>09/11/2015 08:42</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>09/15/2015 02:35</u>
Sample wt/vol: <u>15.0099(g)</u>	Date Analyzed: <u>09/15/2015 18:00</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>322579</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	116		30-150
877-09-8	Tetrachloro-m-xylene	108		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309384.D
 Lims ID: 460-100972-A-3-E Lab Sample ID: 460-100972-3
 Client ID: WC-3
 Sample Type: Client
 Inject. Date: 15-Sep-2015 18:00:57 ALS Bottle#: 31 Worklist Smp#: 31
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031789-031
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 15-Sep-2015 22:18:37 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: XAWRK047

First Level Reviewer: boykinc

Date: 15-Sep-2015 22:14:07

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.543	1.542	0.001	28303818	20.0
2	1.363	1.361	0.002	35228855	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.433	2.431	0.002	66324830	52.8
2	1.993	1.991	0.002	88994804	54.1

RPD = 2.38

\$ 11 DCB Decachlorobiphenyl

1	10.523	10.530	-0.007	50436387	53.9
2	9.029	9.028	0.001	95585353	57.9

RPD = 7.17

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150915-31789.b\\T1309384.D

Injection Date: 15-Sep-2015 18:00:57

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-100972-A-3-E

Lab Sample ID: 460-100972-3

Worklist Smp#: 31

Client ID: WC-3

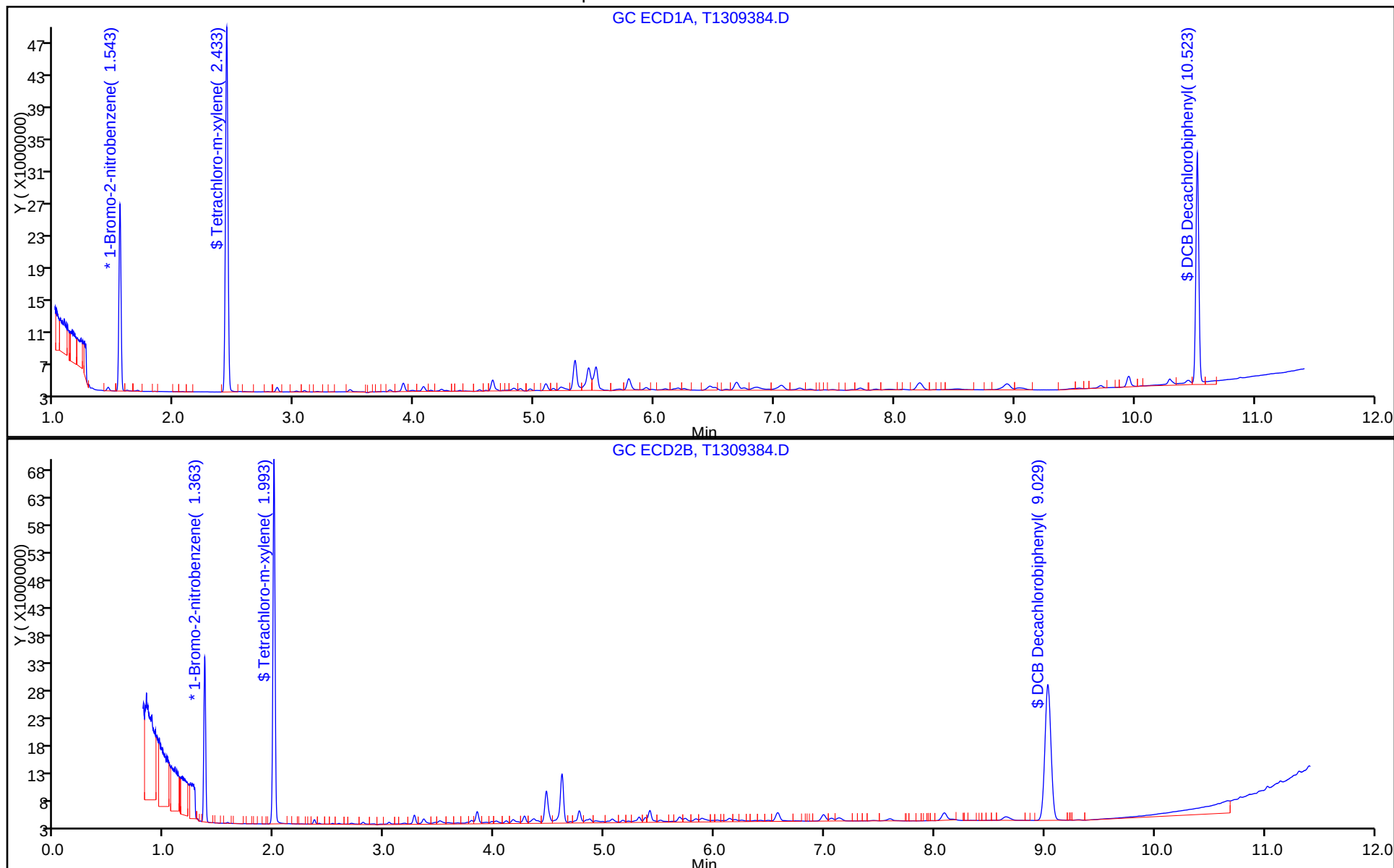
Injection Vol: 1.0 ul

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.: 460-100972-1
SDG No.: _____
Client Sample ID: WC-4 Lab Sample ID: 460-100972-4
Matrix: Solid Lab File ID: T1309385.D
Analysis Method: 8082A Date Collected: 09/11/2015 09:01
Extraction Method: 3546 Date Extracted: 09/15/2015 02:35
Sample wt/vol: 15.0017(g) Date Analyzed: 09/15/2015 18:15
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: 16.8 GPC Cleanup: (Y/N) N
Analysis Batch No.: 322579 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	99		30-150
877-09-8	Tetrachloro-m-xylene	98		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309385.D
 Lims ID: 460-100972-A-4-C Lab Sample ID: 460-100972-4
 Client ID: WC-4
 Sample Type: Client
 Inject. Date: 15-Sep-2015 18:15:30 ALS Bottle#: 32 Worklist Smp#: 32
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031789-032
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 15-Sep-2015 22:18:37 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: XAWRK047

First Level Reviewer: boykinc

Date: 15-Sep-2015 22:14:16

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.542	1.542	0.000	31449271	20.0
2	1.362	1.361	0.001	39791536	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.432	2.431	0.001	68487754	49.1
2	1.992	1.991	0.001	92606024	49.8

RPD = 1.51

\$ 11 DCB Decachlorobiphenyl

1	10.511	10.530	-0.019	51565766	49.6
2	9.029	9.028	0.001	96703984	51.8

RPD = 4.48

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150915-31789.b\\T1309385.D

Injection Date: 15-Sep-2015 18:15:30

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-100972-A-4-C

Lab Sample ID: 460-100972-4

Worklist Smp#: 32

Client ID: WC-4

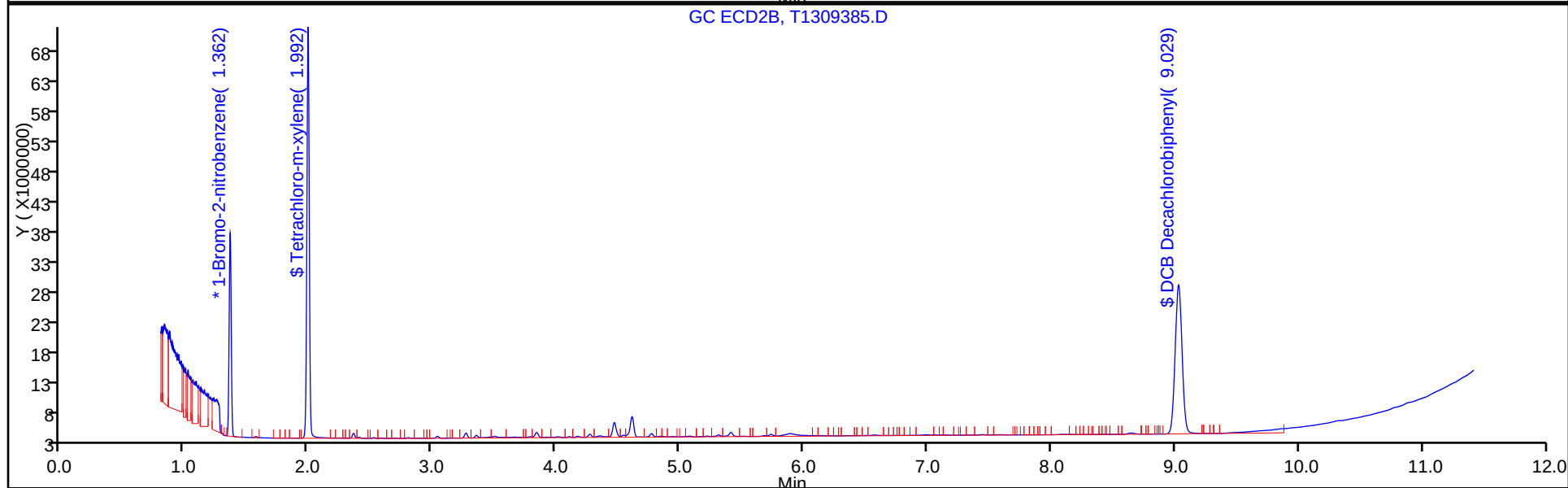
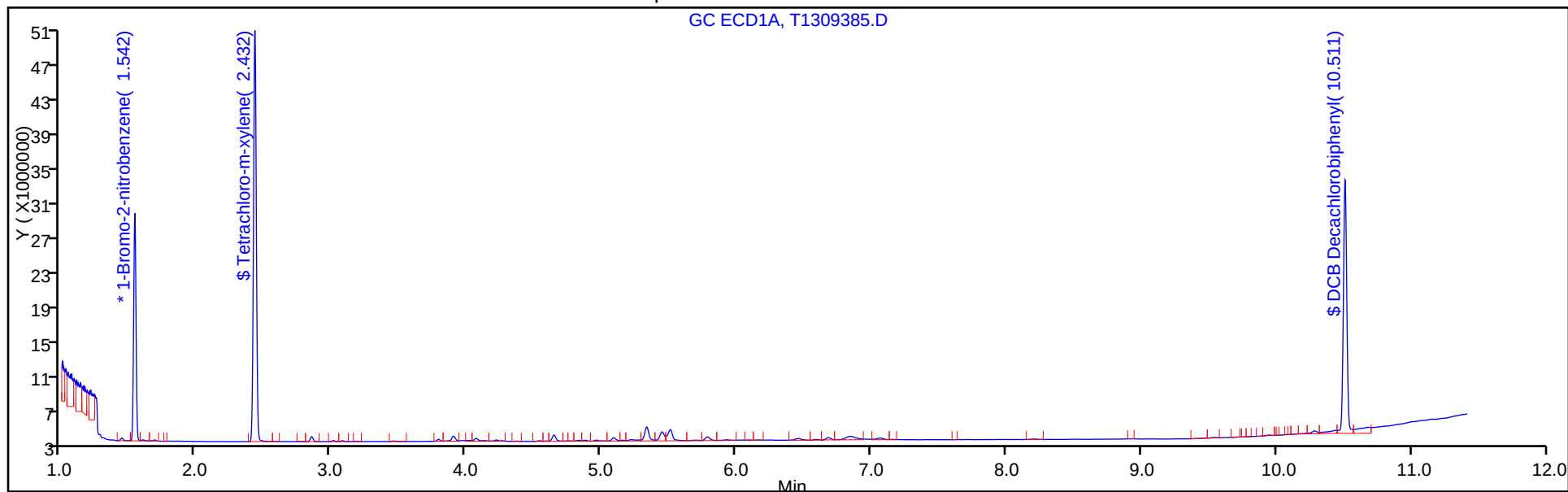
Injection Vol: 1.0 ul

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>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-4</u>	Lab Sample ID: <u>460-100972-4</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1309385.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>09/11/2015 09:01</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>09/15/2015 02:35</u>
Sample wt/vol: <u>15.0017(g)</u>	Date Analyzed: <u>09/15/2015 18:15</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>16.8</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322579</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	104		30-150
877-09-8	Tetrachloro-m-xylene	100		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309385.D
 Lims ID: 460-100972-A-4-C Lab Sample ID: 460-100972-4
 Client ID: WC-4
 Sample Type: Client
 Inject. Date: 15-Sep-2015 18:15:30 ALS Bottle#: 32 Worklist Smp#: 32
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031789-032
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 15-Sep-2015 22:18:37 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: XAWRK047

First Level Reviewer: boykinc Date: 15-Sep-2015 22:14:16

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.542	1.542	0.000	31449271	20.0
2	1.362	1.361	0.001	39791536	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.432	2.431	0.001	68487754	49.1
2	1.992	1.991	0.001	92606024	49.8

RPD = 1.51

\$ 11 DCB Decachlorobiphenyl

1	10.511	10.530	-0.019	51565766	49.6
2	9.029	9.028	0.001	96703984	51.8

RPD = 4.48

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309385.D

Injection Date: 15-Sep-2015 18:15:30

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-100972-A-4-C

Lab Sample ID: 460-100972-4

Worklist Smp#: 32

Client ID: WC-4

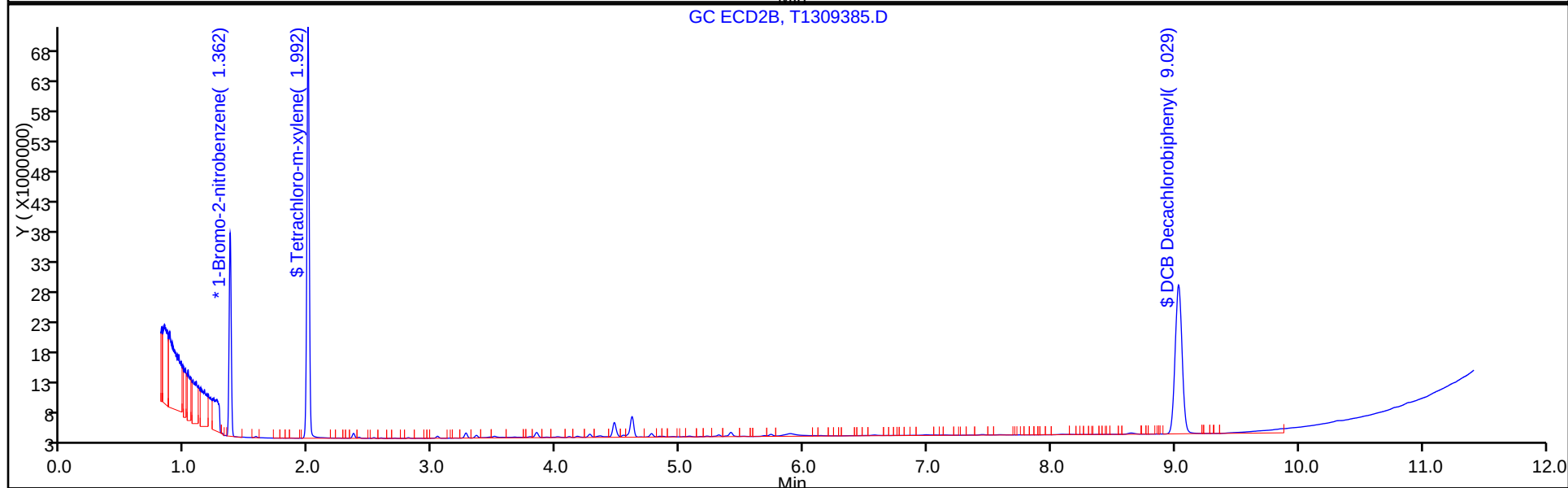
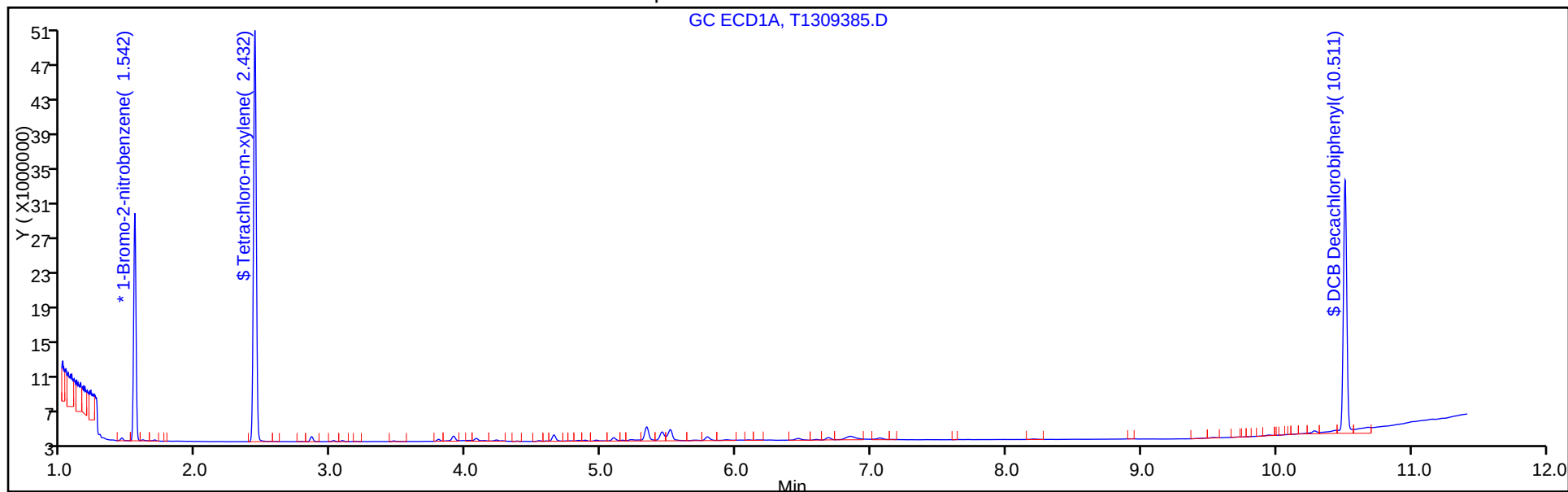
Injection Vol: 1.0 ul

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>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-5</u>	Lab Sample ID: <u>460-100972-5</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1309386.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>09/11/2015 09:07</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>09/15/2015 02:35</u>
Sample wt/vol: <u>15.0300(g)</u>	Date Analyzed: <u>09/15/2015 18:30</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>15.9</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322579</u>	Units: <u>mg/Kg</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	96		30-150
877-09-8	Tetrachloro-m-xylene	95		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309386.D
 Lims ID: 460-100972-A-5-C Lab Sample ID: 460-100972-5
 Client ID: WC-5
 Sample Type: Client
 Inject. Date: 15-Sep-2015 18:30:02 ALS Bottle#: 33 Worklist Smp#: 33
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031789-033
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 15-Sep-2015 22:18:37 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: XAWRK047

First Level Reviewer: boykinc

Date: 15-Sep-2015 22:14:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.543	1.542	0.001	29842869	20.0
2	1.363	1.361	0.002	37859549	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.433	2.431	0.002	62746037	47.4
2	1.993	1.991	0.002	85071513	48.1

RPD = 1.51

\$ 11 DCB Decachlorobiphenyl

1	10.514	10.530	-0.016	47358338	48.0
2	9.030	9.028	0.002	94170806	53.0

RPD = 10.07

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150915-31789.b\\T1309386.D

Injection Date: 15-Sep-2015 18:30:02

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-100972-A-5-C

Lab Sample ID: 460-100972-5

Worklist Smp#: 33

Client ID: WC-5

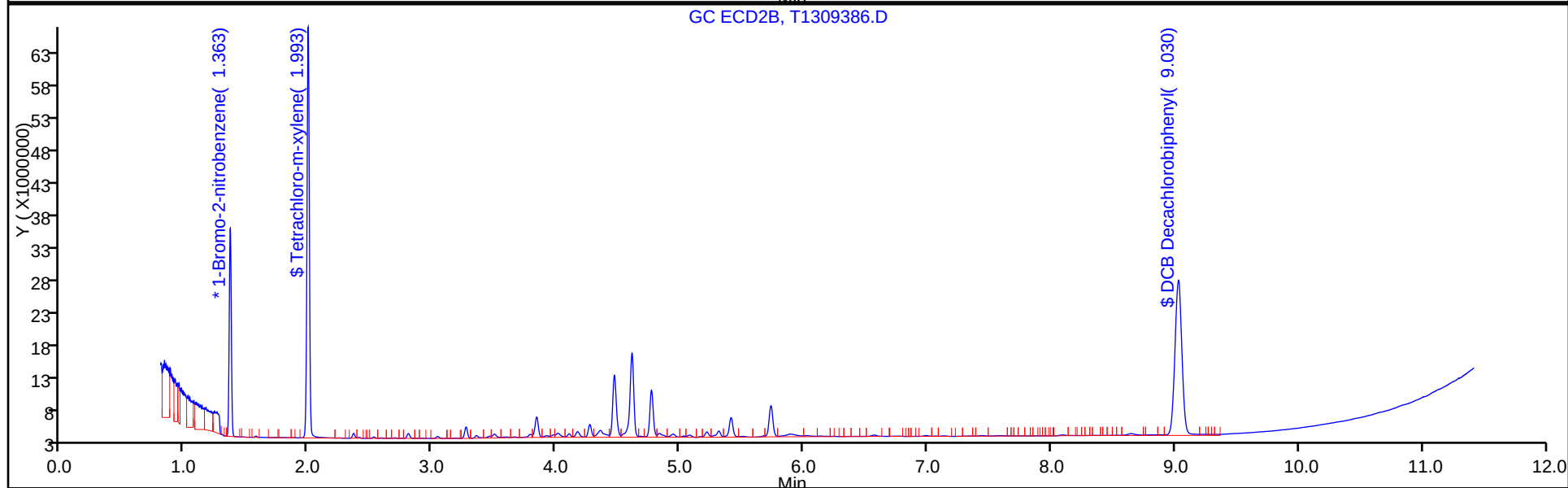
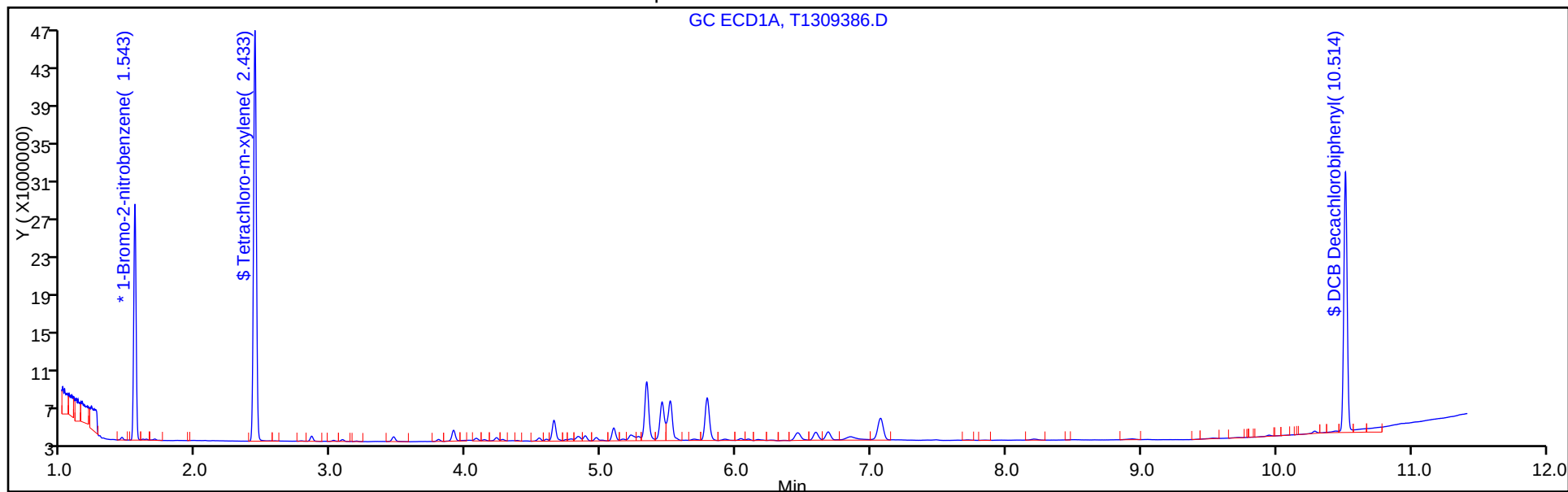
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 33

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>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-5</u>	Lab Sample ID: <u>460-100972-5</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1309386.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>09/11/2015 09:07</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>09/15/2015 02:35</u>
Sample wt/vol: <u>15.0300(g)</u>	Date Analyzed: <u>09/15/2015 18:30</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>15.9</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322579</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	96		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309386.D
Lims ID: 460-100972-A-5-C Lab Sample ID: 460-100972-5
Client ID: WC-5
Sample Type: Client
Inject. Date: 15-Sep-2015 18:30:02 ALS Bottle#: 33 Worklist Smp#: 33
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0031789-033
Operator ID: Instrument ID: CPESTGC11
Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 15-Sep-2015 22:18:37 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: XAWRK047

First Level Reviewer: boykinc

Date: 15-Sep-2015 22:14:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.543	1.542	0.001	29842869	20.0
2	1.363	1.361	0.002	37859549	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.433	2.431	0.002	62746037	47.4
2	1.993	1.991	0.002	85071513	48.1

RPD = 1.51

\$ 11 DCB Decachlorobiphenyl

1	10.514	10.530	-0.016	47358338	48.0
2	9.030	9.028	0.002	94170806	53.0

RPD = 10.07

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150915-31789.b\\T1309386.D

Injection Date: 15-Sep-2015 18:30:02

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-100972-A-5-C

Lab Sample ID: 460-100972-5

Worklist Smp#: 33

Client ID: WC-5

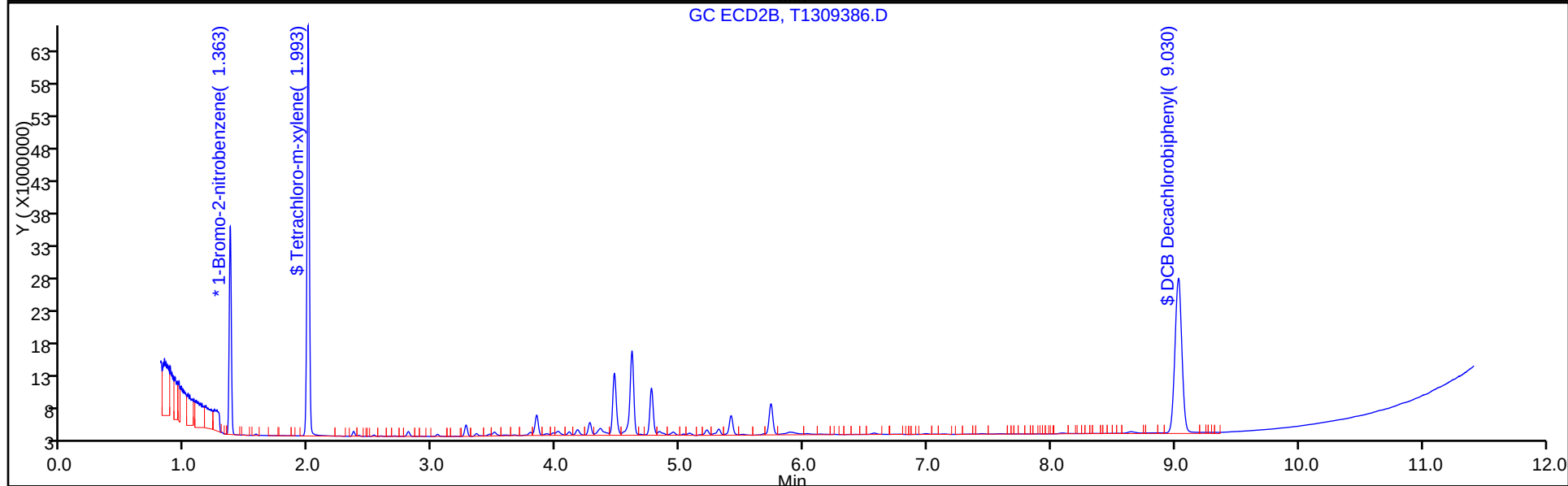
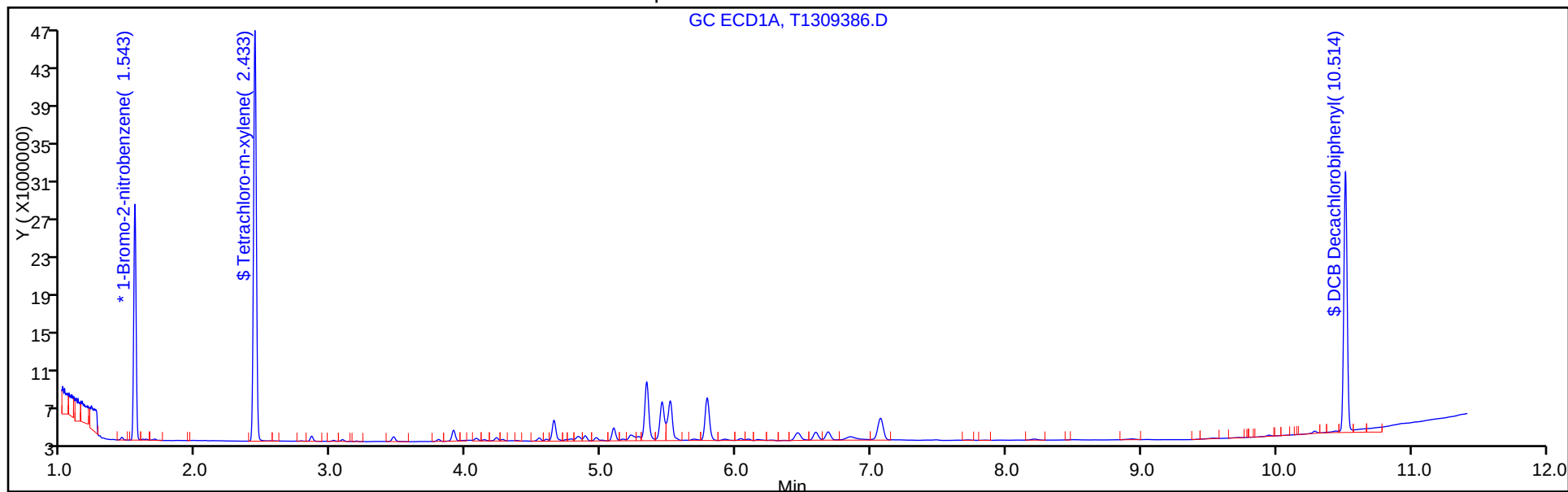
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 33

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>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-6</u>	Lab Sample ID: <u>460-100972-6</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1309387.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>09/11/2015 09:15</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>09/15/2015 02:35</u>
Sample wt/vol: <u>15.0225(g)</u>	Date Analyzed: <u>09/15/2015 18:44</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>19.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322579</u>	Units: <u>mg/Kg</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	108		30-150
877-09-8	Tetrachloro-m-xylene	106		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309387.D
 Lims ID: 460-100972-A-6-C Lab Sample ID: 460-100972-6
 Client ID: WC-6
 Sample Type: Client
 Inject. Date: 15-Sep-2015 18:44:34 ALS Bottle#: 34 Worklist Smp#: 34
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031789-034
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 15-Sep-2015 22:18:37 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: XAWRK047

First Level Reviewer: boykinc

Date: 15-Sep-2015 22:14:37

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.543	1.542	0.001	30323568	20.0
2	1.364	1.361	0.003	38101583	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.433	2.431	0.002	71134610	52.8
2	1.993	1.991	0.002	96004281	53.9

RPD = 2.02

\$ 11 DCB Decachlorobiphenyl

1	10.511	10.530	-0.019	54136367	54.0
2	9.028	9.028	0.000	102990824	57.6

RPD = 6.61

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150915-31789.b\\T1309387.D

Injection Date: 15-Sep-2015 18:44:34

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-100972-A-6-C

Lab Sample ID: 460-100972-6

Worklist Smp#: 34

Client ID: WC-6

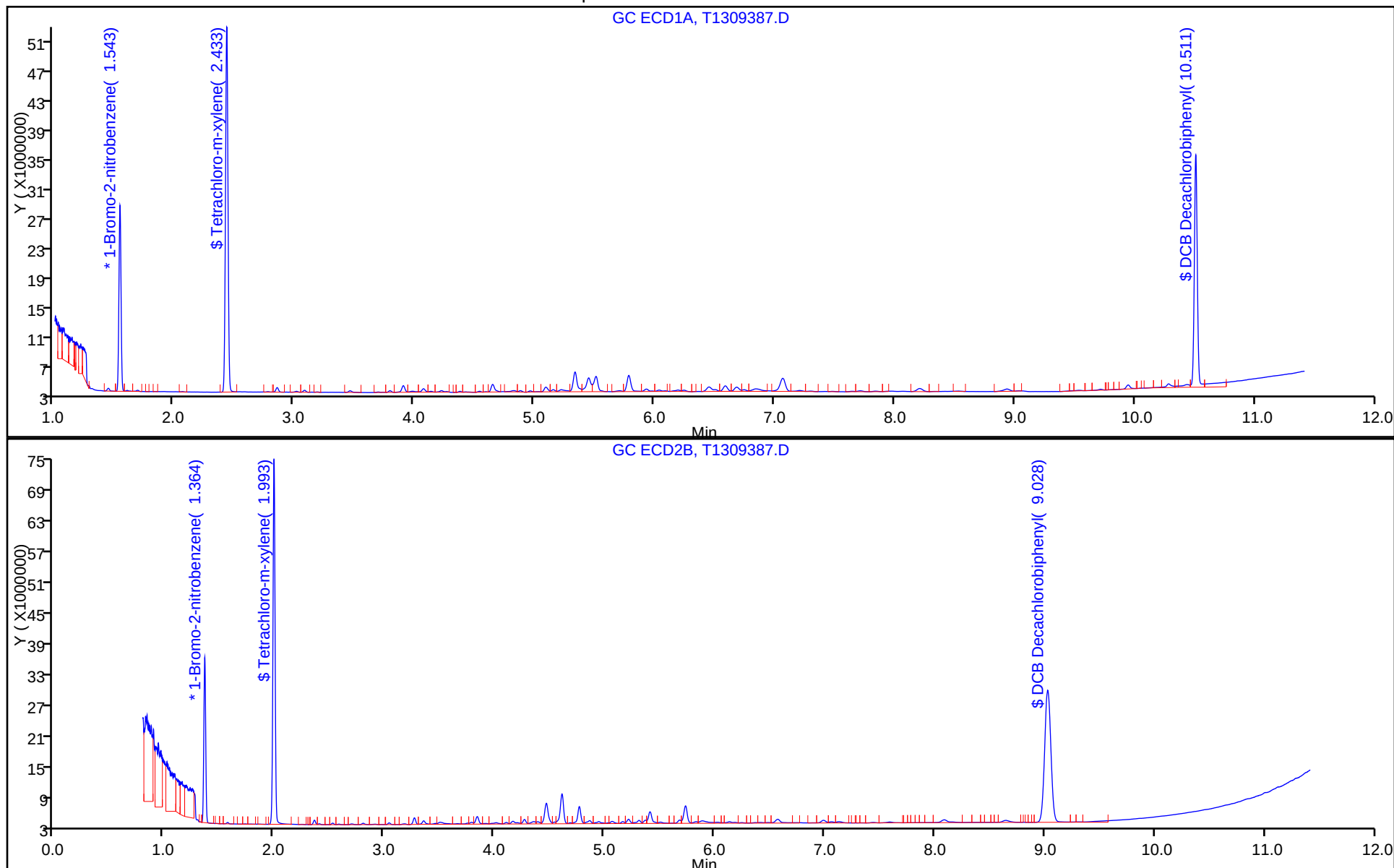
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 34

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>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-6</u>	Lab Sample ID: <u>460-100972-6</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1309387.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>09/11/2015 09:15</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>09/15/2015 02:35</u>
Sample wt/vol: <u>15.0225(g)</u>	Date Analyzed: <u>09/15/2015 18:44</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>322579</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	108		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309387.D
 Lims ID: 460-100972-A-6-C Lab Sample ID: 460-100972-6
 Client ID: WC-6
 Sample Type: Client
 Inject. Date: 15-Sep-2015 18:44:34 ALS Bottle#: 34 Worklist Smp#: 34
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031789-034
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 15-Sep-2015 22:18:37 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: XAWRK047

First Level Reviewer: boykinc

Date: 15-Sep-2015 22:14:37

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.543	1.542	0.001	30323568	20.0
2	1.364	1.361	0.003	38101583	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.433	2.431	0.002	71134610	52.8
2	1.993	1.991	0.002	96004281	53.9

RPD = 2.02

\$ 11 DCB Decachlorobiphenyl

1	10.511	10.530	-0.019	54136367	54.0
2	9.028	9.028	0.000	102990824	57.6

RPD = 6.61

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150915-31789.b\\T1309387.D

Injection Date: 15-Sep-2015 18:44:34

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-100972-A-6-C

Lab Sample ID: 460-100972-6

Worklist Smp#: 34

Client ID: WC-6

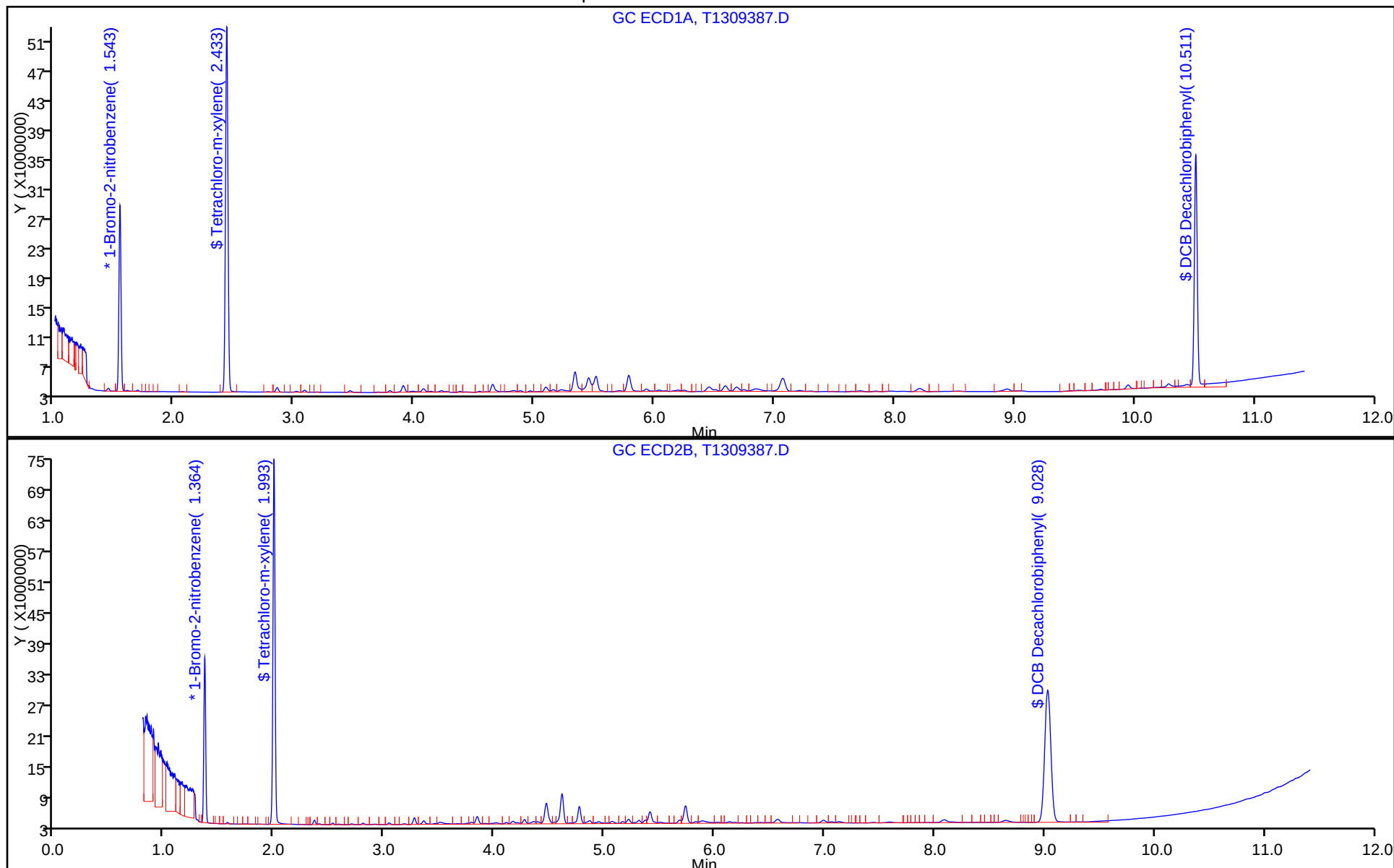
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 34

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-100972-1
SDG No.: _____
Client Sample ID: WC-7 Lab Sample ID: 460-100972-7
Matrix: Solid Lab File ID: T1309388.D
Analysis Method: 8082A Date Collected: 09/11/2015 09:21
Extraction Method: 3546 Date Extracted: 09/15/2015 02:35
Sample wt/vol: 15.0087(g) Date Analyzed: 09/15/2015 18:59
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: 18.3 GPC Cleanup: (Y/N) N
Analysis Batch No.: 322579 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	101		30-150
877-09-8	Tetrachloro-m-xylene	100		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309388.D
 Lims ID: 460-100972-A-7-C Lab Sample ID: 460-100972-7
 Client ID: WC-7
 Sample Type: Client
 Inject. Date: 15-Sep-2015 18:59:03 ALS Bottle#: 35 Worklist Smp#: 35
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031789-035
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 15-Sep-2015 22:18:37 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: XAWRK047

First Level Reviewer: boykinc

Date: 15-Sep-2015 22:14:49

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.543	1.542	0.001	29398302	20.0
2	1.363	1.361	0.002	37178664	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.432	2.431	0.001	65521059	50.2
2	1.993	1.991	0.002	88330756	50.8

RPD = 1.26

\$ 11 DCB Decachlorobiphenyl

1	10.517	10.530	-0.013	49218994	50.6
2	9.029	9.028	0.001	93405777	53.6

RPD = 5.72

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150915-31789.b\\T1309388.D

Injection Date: 15-Sep-2015 18:59:03

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-100972-A-7-C

Lab Sample ID: 460-100972-7

Worklist Smp#: 35

Client ID: WC-7

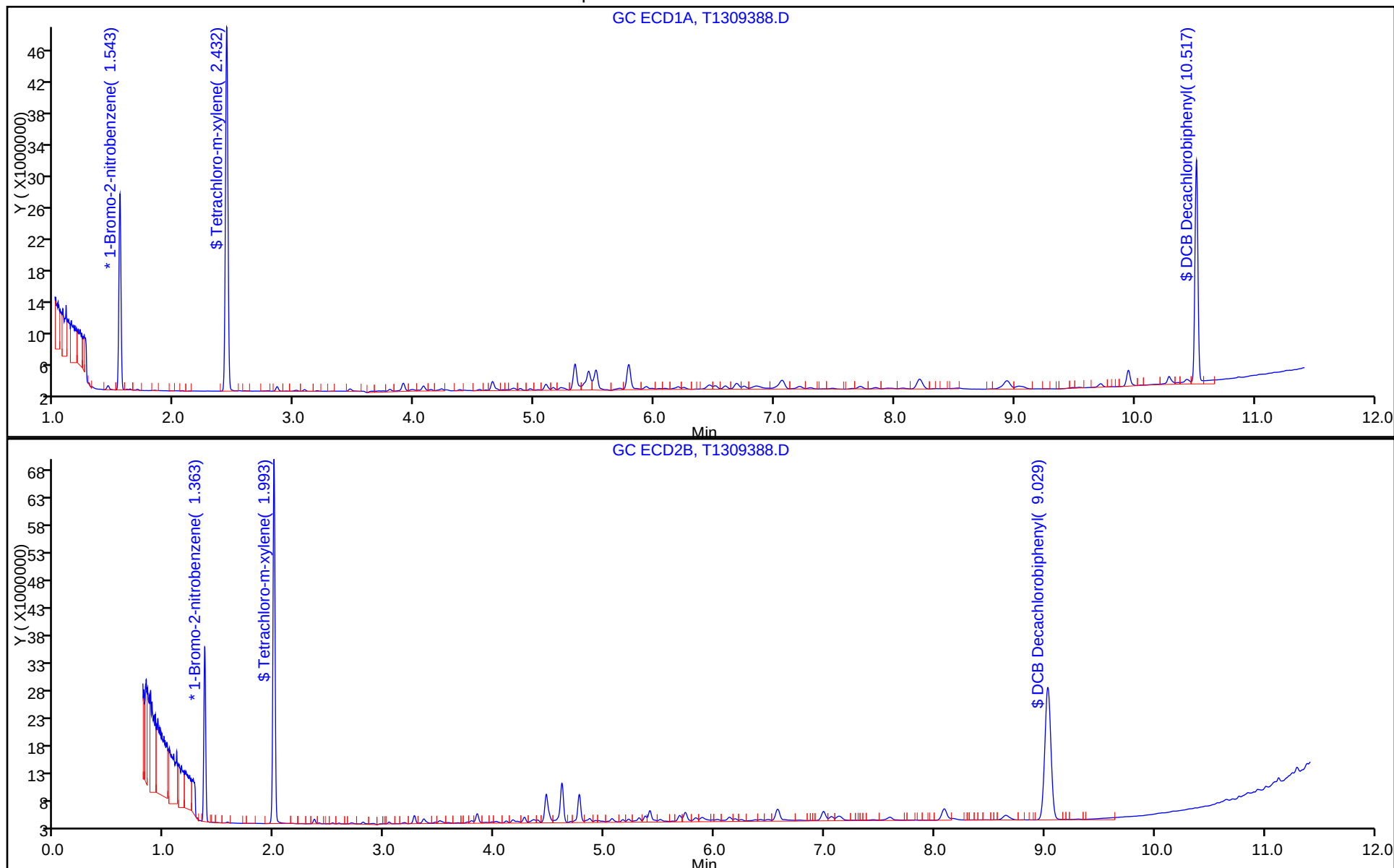
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 35

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>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-7</u>	Lab Sample ID: <u>460-100972-7</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1309388.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>09/11/2015 09:21</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>09/15/2015 02:35</u>
Sample wt/vol: <u>15.0087(g)</u>	Date Analyzed: <u>09/15/2015 18:59</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>18.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322579</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	107		30-150
877-09-8	Tetrachloro-m-xylene	102		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309388.D
 Lims ID: 460-100972-A-7-C Lab Sample ID: 460-100972-7
 Client ID: WC-7
 Sample Type: Client
 Inject. Date: 15-Sep-2015 18:59:03 ALS Bottle#: 35 Worklist Smp#: 35
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031789-035
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 15-Sep-2015 22:18:37 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: XAWRK047

First Level Reviewer: boykinc

Date: 15-Sep-2015 22:14:49

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.543	1.542	0.001	29398302	20.0
2	1.363	1.361	0.002	37178664	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.432	2.431	0.001	65521059	50.2
2	1.993	1.991	0.002	88330756	50.8

RPD = 1.26

\$ 11 DCB Decachlorobiphenyl

1	10.517	10.530	-0.013	49218994	50.6
2	9.029	9.028	0.001	93405777	53.6

RPD = 5.72

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150915-31789.b\\T1309388.D

Injection Date: 15-Sep-2015 18:59:03

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-100972-A-7-C

Lab Sample ID: 460-100972-7

Worklist Smp#: 35

Client ID: WC-7

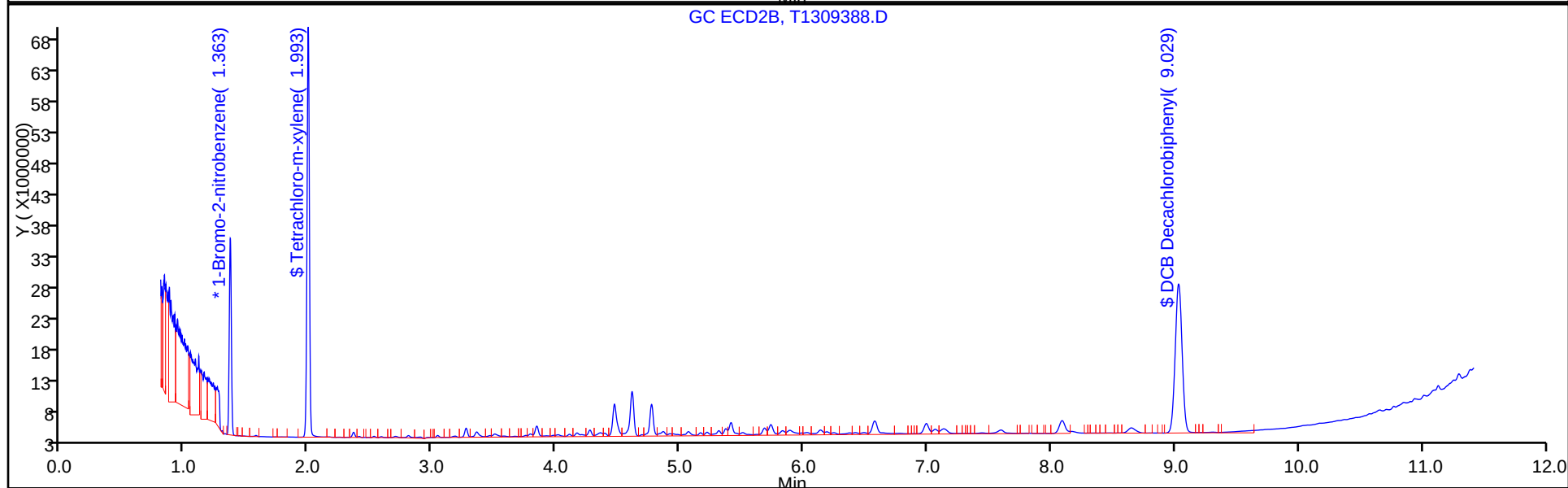
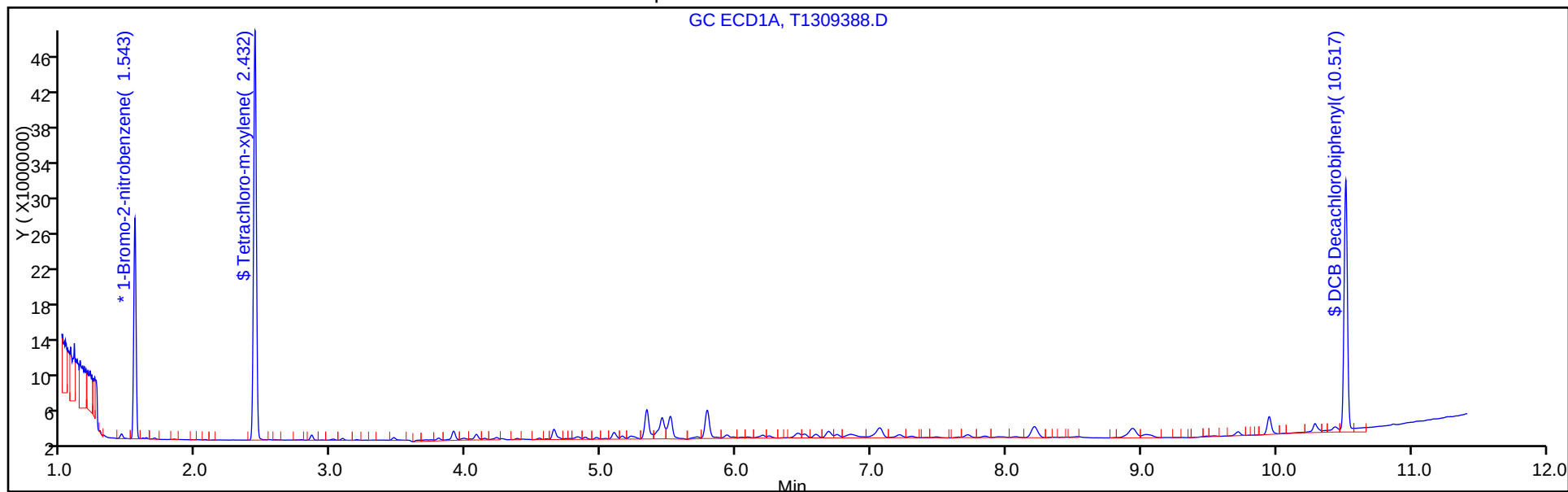
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 35

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-100972-1
SDG No.: _____
Client Sample ID: WC-8 Lab Sample ID: 460-100972-8
Matrix: Solid Lab File ID: T1309389.D
Analysis Method: 8082A Date Collected: 09/11/2015 09:38
Extraction Method: 3546 Date Extracted: 09/15/2015 02:35
Sample wt/vol: 15.0066(g) Date Analyzed: 09/15/2015 19:13
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: 18.4 GPC Cleanup: (Y/N) N
Analysis Batch No.: 322579 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	101		30-150
877-09-8	Tetrachloro-m-xylene	101		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309389.D
 Lims ID: 460-100972-A-8-C Lab Sample ID: 460-100972-8
 Client ID: WC-8
 Sample Type: Client
 Inject. Date: 15-Sep-2015 19:13:36 ALS Bottle#: 36 Worklist Smp#: 36
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031789-036
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 15-Sep-2015 22:18:37 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: XAWRK047

First Level Reviewer: boykinc Date: 15-Sep-2015 22:15:01

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.543	1.542	0.001	29841398	20.0
2	1.363	1.361	0.002	37780840	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.433	2.431	0.002	66622369	50.3
2	1.993	1.991	0.002	90195794	51.1

RPD = 1.57

\$ 11 DCB Decachlorobiphenyl

1	10.515	10.530	-0.015	49732212	50.4
2	9.031	9.028	0.003	96103735	54.2

RPD = 7.42

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150915-31789.b\\T1309389.D

Injection Date: 15-Sep-2015 19:13:36

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-100972-A-8-C

Lab Sample ID: 460-100972-8

Worklist Smp#: 36

Client ID: WC-8

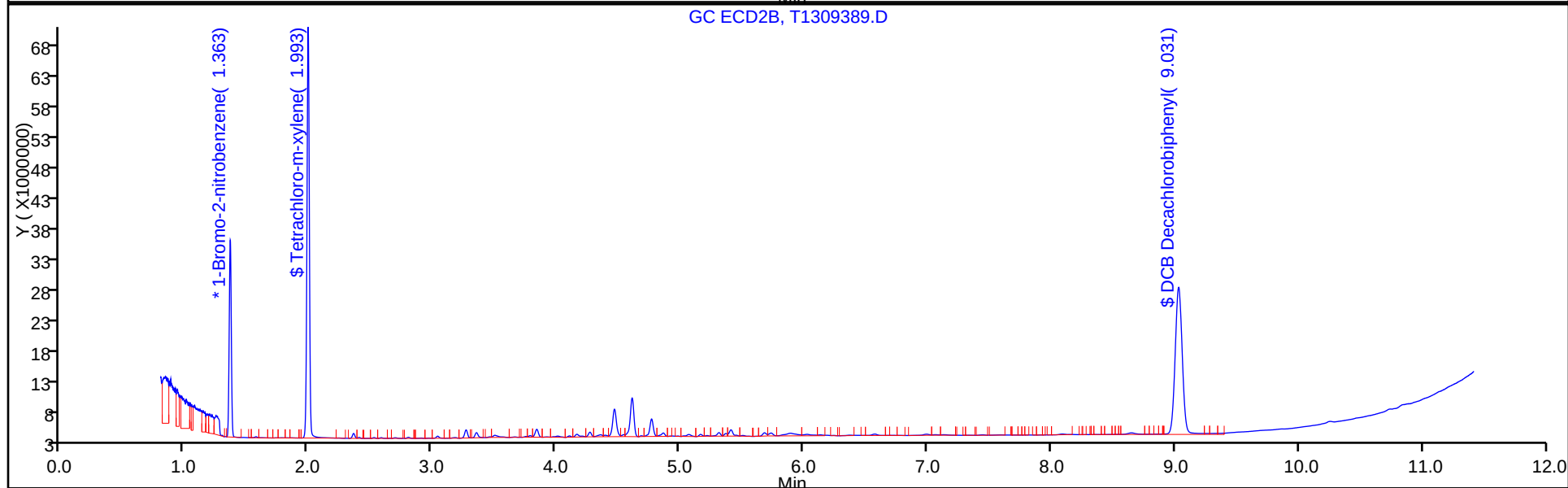
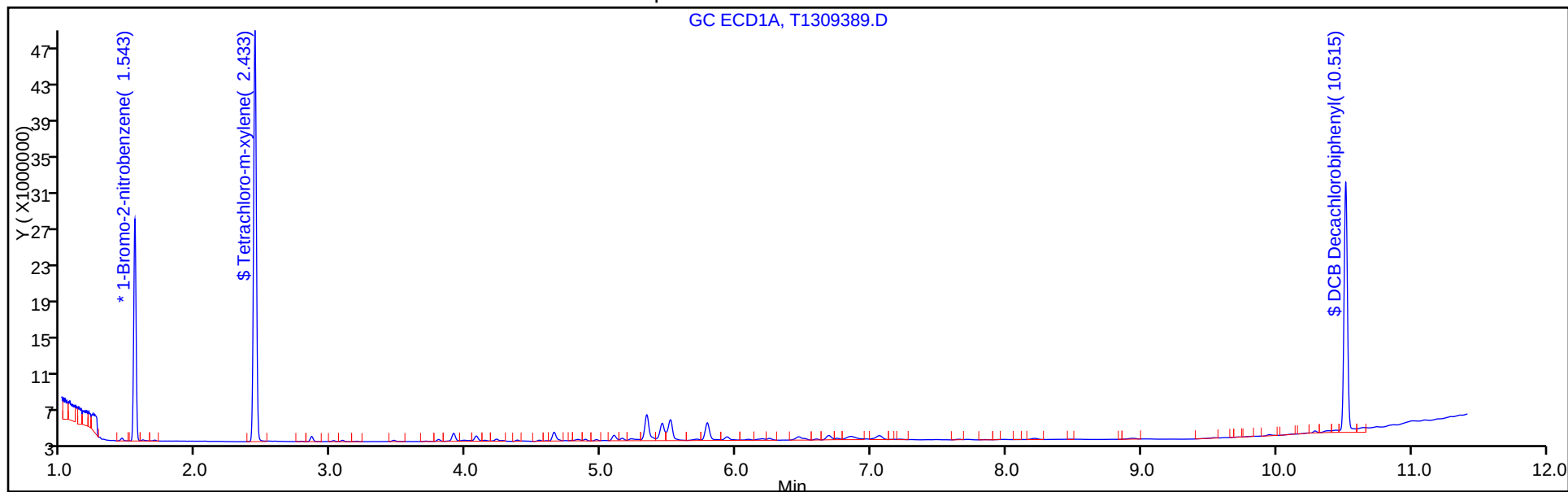
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 36

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>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-8</u>	Lab Sample ID: <u>460-100972-8</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1309389.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>09/11/2015 09:38</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>09/15/2015 02:35</u>
Sample wt/vol: <u>15.0066(g)</u>	Date Analyzed: <u>09/15/2015 19:13</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>18.4</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322579</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	108		30-150
877-09-8	Tetrachloro-m-xylene	102		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309389.D
 Lims ID: 460-100972-A-8-C Lab Sample ID: 460-100972-8
 Client ID: WC-8
 Sample Type: Client
 Inject. Date: 15-Sep-2015 19:13:36 ALS Bottle#: 36 Worklist Smp#: 36
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031789-036
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 15-Sep-2015 22:18:37 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: XAWRK047

First Level Reviewer: boykinc

Date: 15-Sep-2015 22:15:01

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.543	1.542	0.001	29841398	20.0
2	1.363	1.361	0.002	37780840	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.433	2.431	0.002	66622369	50.3
2	1.993	1.991	0.002	90195794	51.1

RPD = 1.57

\$ 11 DCB Decachlorobiphenyl

1	10.515	10.530	-0.015	49732212	50.4
2	9.031	9.028	0.003	96103735	54.2

RPD = 7.42

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150915-31789.b\\T1309389.D

Injection Date: 15-Sep-2015 19:13:36

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-100972-A-8-C

Lab Sample ID: 460-100972-8

Worklist Smp#: 36

Client ID: WC-8

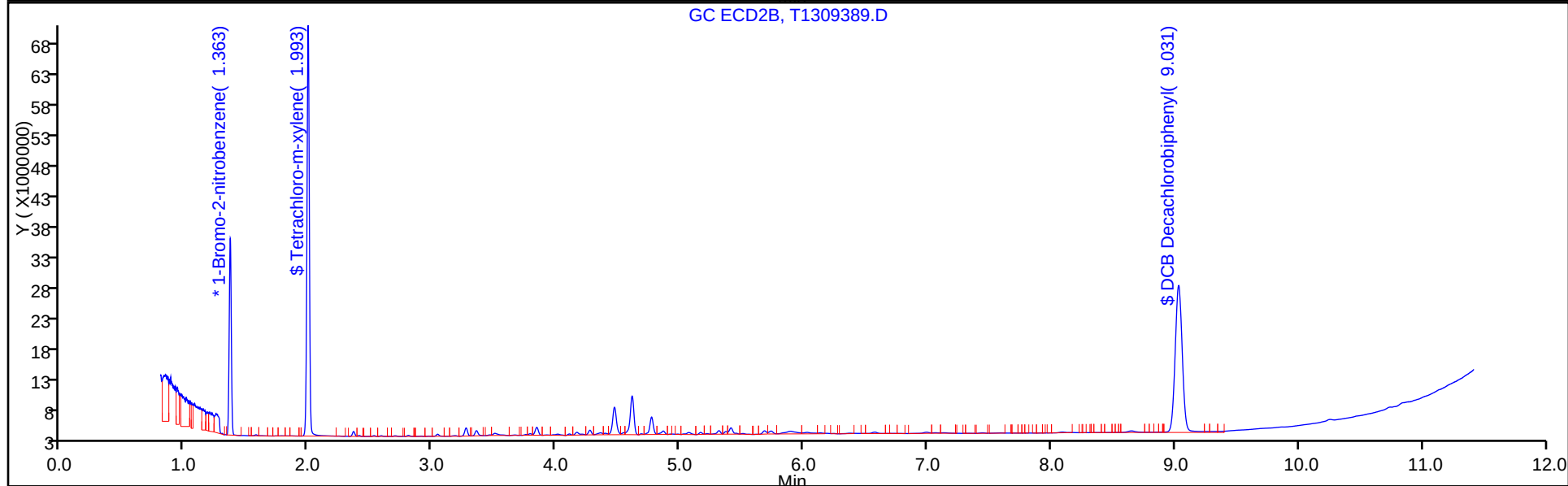
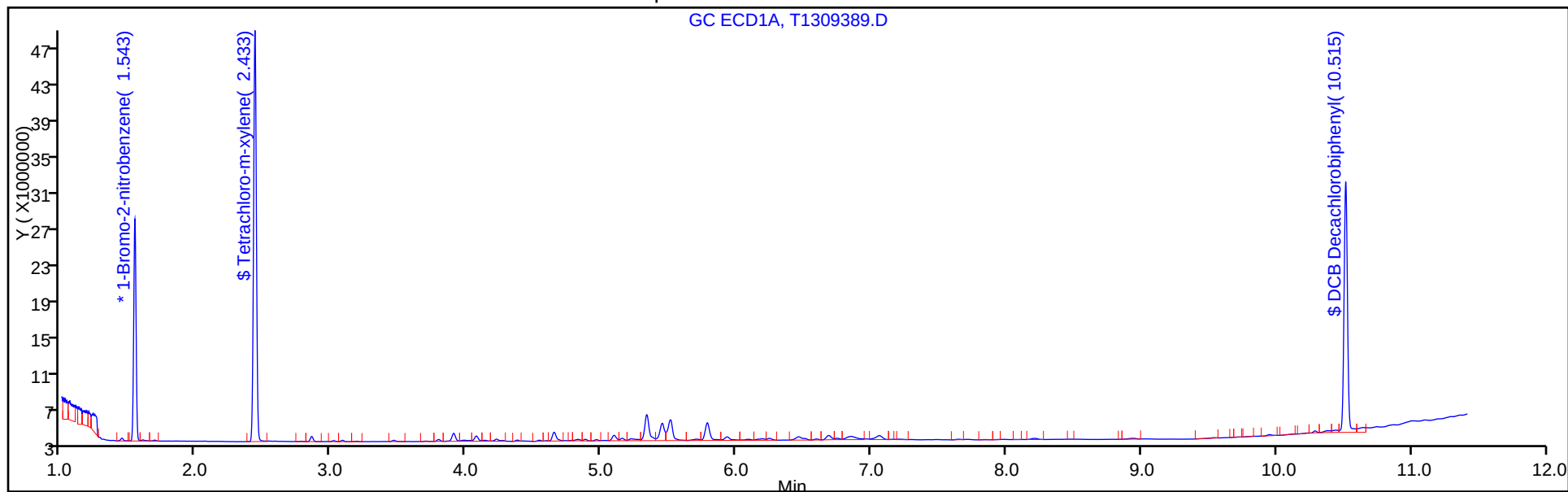
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 36

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-100972-1
SDG No.: _____
Client Sample ID: WC-9 Lab Sample ID: 460-100972-9
Matrix: Solid Lab File ID: T1309390.D
Analysis Method: 8082A Date Collected: 09/11/2015 09:42
Extraction Method: 3546 Date Extracted: 09/15/2015 02:35
Sample wt/vol: 15.0090 (g) Date Analyzed: 09/15/2015 19:28
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: 18.5 GPC Cleanup: (Y/N) N
Analysis Batch No.: 322579 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	107		30-150
877-09-8	Tetrachloro-m-xylene	102		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309390.D
 Lims ID: 460-100972-A-9-C Lab Sample ID: 460-100972-9
 Client ID: WC-9
 Sample Type: Client
 Inject. Date: 15-Sep-2015 19:28:09 ALS Bottle#: 37 Worklist Smp#: 37
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031789-037
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 15-Sep-2015 22:18:37 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: XAWRK047

First Level Reviewer: boykinc

Date: 15-Sep-2015 22:15:14

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.544	1.542	0.002	28715851	20.0
2	1.364	1.361	0.003	36412946	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.434	2.431	0.003	65098983	51.1
2	1.994	1.991	0.003	88877667	52.2

RPD = 2.26

\$ 11 DCB Decachlorobiphenyl

1	10.515	10.530	-0.015	50868300	53.5
2	9.029	9.028	0.001	97026082	56.8

RPD = 5.96

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150915-31789.b\\T1309390.D

Injection Date: 15-Sep-2015 19:28:09

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-100972-A-9-C

Lab Sample ID: 460-100972-9

Worklist Smp#: 37

Client ID: WC-9

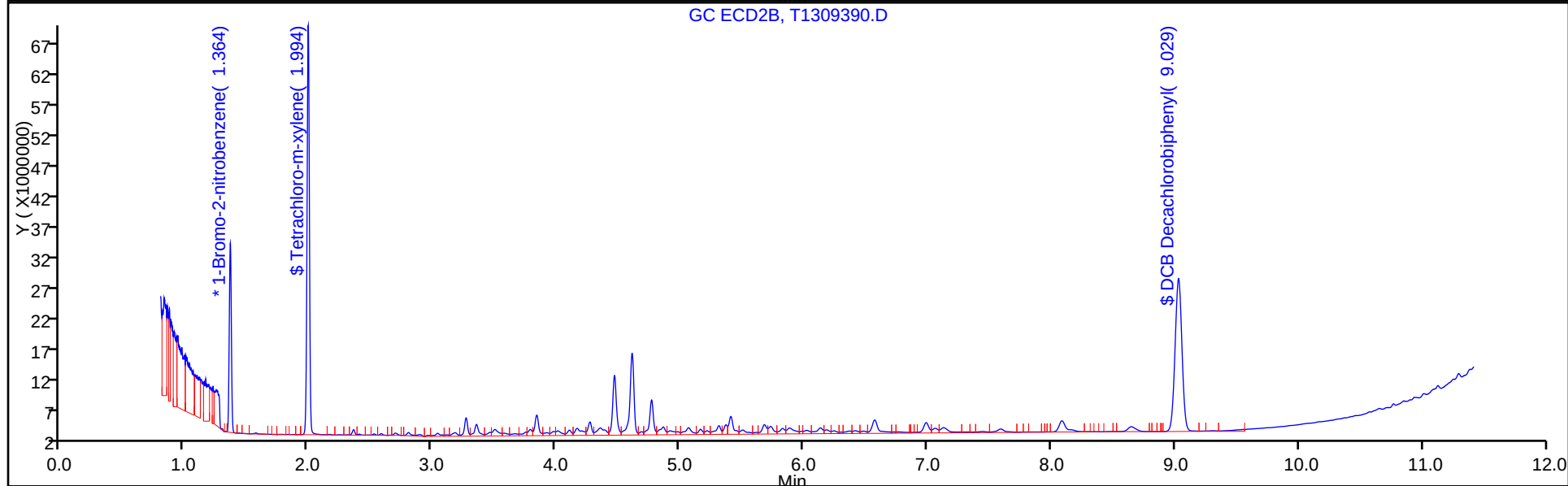
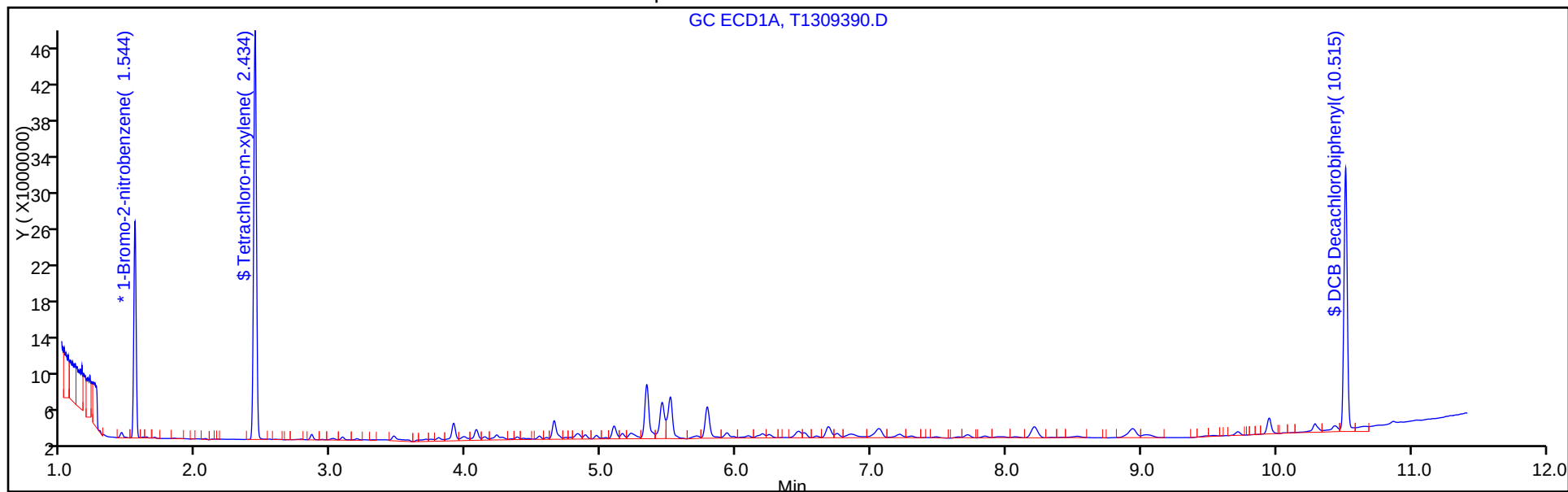
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 37

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>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-9</u>	Lab Sample ID: <u>460-100972-9</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1309390.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>09/11/2015 09:42</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>09/15/2015 02:35</u>
Sample wt/vol: <u>15.0090(g)</u>	Date Analyzed: <u>09/15/2015 19:28</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: <u>18.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322579</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	114		30-150
877-09-8	Tetrachloro-m-xylene	104		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309390.D
 Lims ID: 460-100972-A-9-C Lab Sample ID: 460-100972-9
 Client ID: WC-9
 Sample Type: Client
 Inject. Date: 15-Sep-2015 19:28:09 ALS Bottle#: 37 Worklist Smp#: 37
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031789-037
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 15-Sep-2015 22:18:37 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: XAWRK047

First Level Reviewer: boykinc

Date: 15-Sep-2015 22:15:14

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.544	1.542	0.002	28715851	20.0
2	1.364	1.361	0.003	36412946	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.434	2.431	0.003	65098983	51.1
2	1.994	1.991	0.003	88877667	52.2

RPD = 2.26

\$ 11 DCB Decachlorobiphenyl

1	10.515	10.530	-0.015	50868300	53.5
2	9.029	9.028	0.001	97026082	56.8

RPD = 5.96

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150915-31789.b\\T1309390.D

Injection Date: 15-Sep-2015 19:28:09

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-100972-A-9-C

Lab Sample ID: 460-100972-9

Worklist Smp#: 37

Client ID: WC-9

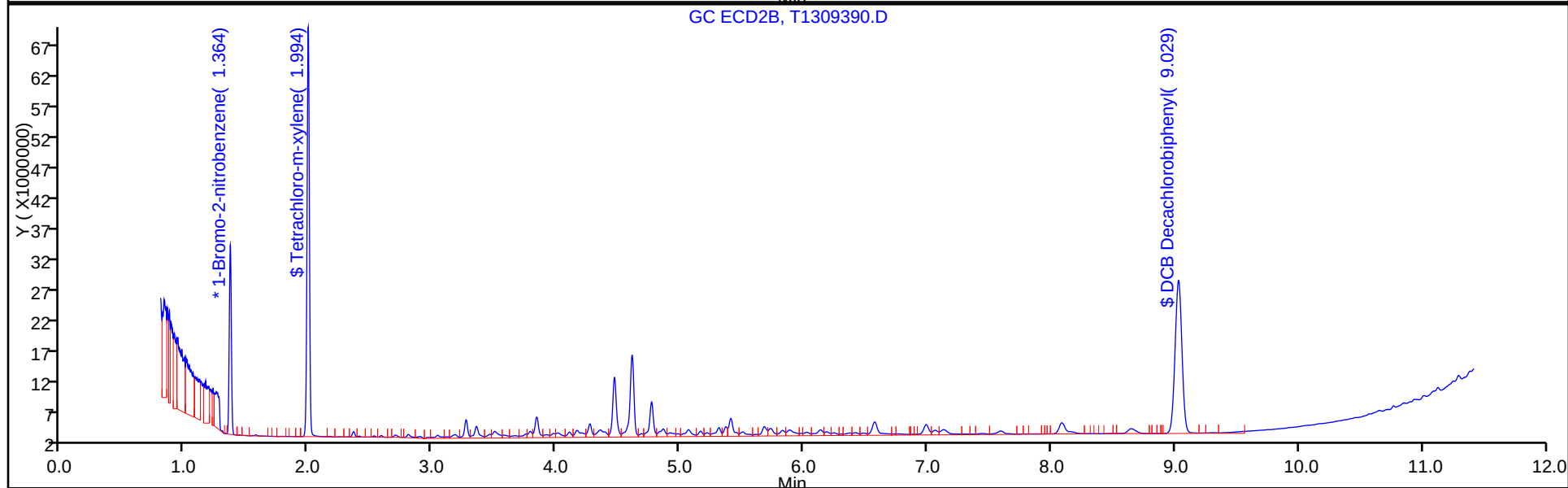
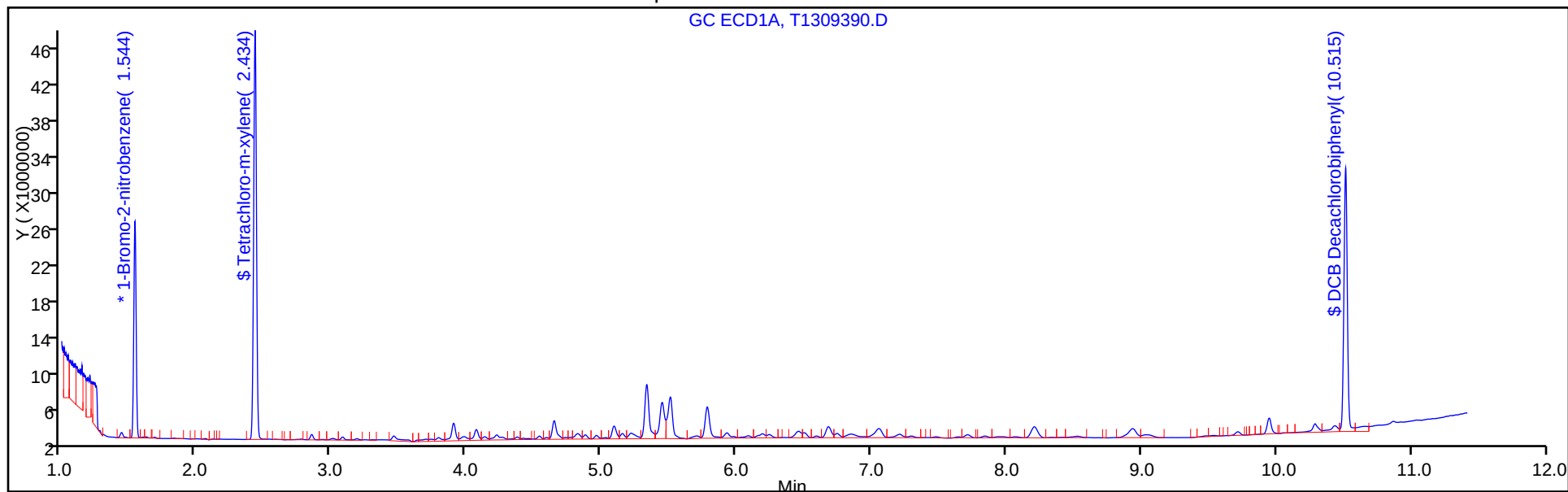
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 37

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-100972-1
SDG No.: _____
Client Sample ID: WC-10 Lab Sample ID: 460-100972-10
Matrix: Solid Lab File ID: T1309391.D
Analysis Method: 8082A Date Collected: 09/11/2015 10:01
Extraction Method: 3546 Date Extracted: 09/15/2015 02:35
Sample wt/vol: 15.0225(g) Date Analyzed: 09/15/2015 19:42
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)
% Moisture: 15.2 GPC Cleanup: (Y/N) N
Analysis Batch No.: 322579 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	97		30-150
877-09-8	Tetrachloro-m-xylene	96		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309391.D
Lims ID: 460-100972-A-10-C Lab Sample ID: 460-100972-10
Client ID: WC-10
Sample Type: Client
Inject. Date: 15-Sep-2015 19:42:40 ALS Bottle#: 38 Worklist Smp#: 38
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0031789-038
Operator ID: Instrument ID: CPESTGC11
Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 15-Sep-2015 22:18:37 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: XAWRK047

First Level Reviewer: boykinc

Date: 15-Sep-2015 22:15:27

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.543	1.542	0.001	29764352	20.0
2	1.363	1.361	0.002	37586759	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.433	2.431	0.002	63660333	48.2
2	1.993	1.991	0.002	85520442	48.7

RPD = 1.05

\$ 11 DCB Decachlorobiphenyl

1	10.514	10.530	-0.016	47525161	48.3
2	9.029	9.028	0.001	89973146	51.0

RPD = 5.62

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150915-31789.b\\T1309391.D

Injection Date: 15-Sep-2015 19:42:40

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-100972-A-10-C

Lab Sample ID: 460-100972-10

Worklist Smp#: 38

Client ID: WC-10

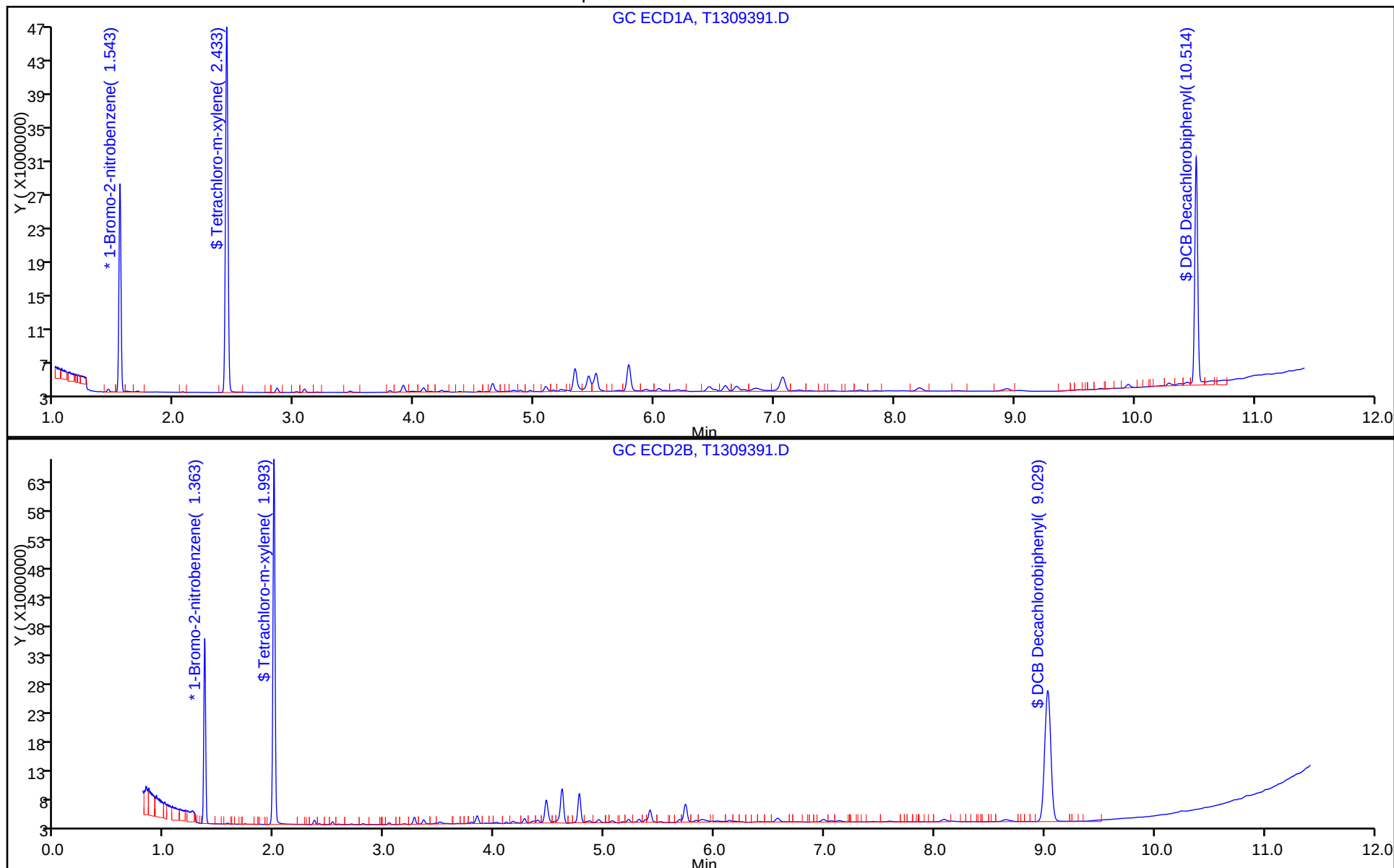
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 38

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>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-10</u>	Lab Sample ID: <u>460-100972-10</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1309391.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>09/11/2015 10:01</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>09/15/2015 02:35</u>
Sample wt/vol: <u>15.0225(g)</u>	Date Analyzed: <u>09/15/2015 19:42</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>15.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322579</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	102		30-150
877-09-8	Tetrachloro-m-xylene	97		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309391.D
Lims ID: 460-100972-A-10-C Lab Sample ID: 460-100972-10
Client ID: WC-10
Sample Type: Client
Inject. Date: 15-Sep-2015 19:42:40 ALS Bottle#: 38 Worklist Smp#: 38
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0031789-038
Operator ID: Instrument ID: CPESTGC11
Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 15-Sep-2015 22:18:37 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: XAWRK047

First Level Reviewer: boykinc

Date: 15-Sep-2015 22:15:27

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.543	1.542	0.001	29764352	20.0
2	1.363	1.361	0.002	37586759	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.433	2.431	0.002	63660333	48.2
2	1.993	1.991	0.002	85520442	48.7

RPD = 1.05

\$ 11 DCB Decachlorobiphenyl

1	10.514	10.530	-0.016	47525161	48.3
2	9.029	9.028	0.001	89973146	51.0

RPD = 5.62

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150915-31789.b\\T1309391.D

Injection Date: 15-Sep-2015 19:42:40

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-100972-A-10-C

Lab Sample ID: 460-100972-10

Worklist Smp#: 38

Client ID: WC-10

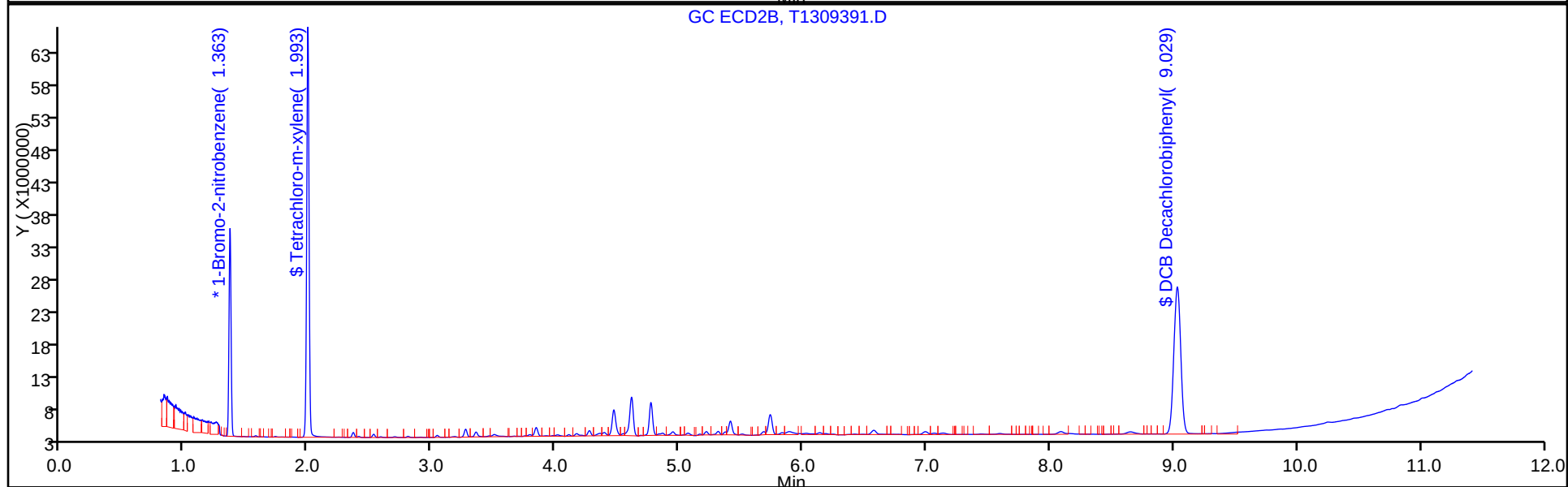
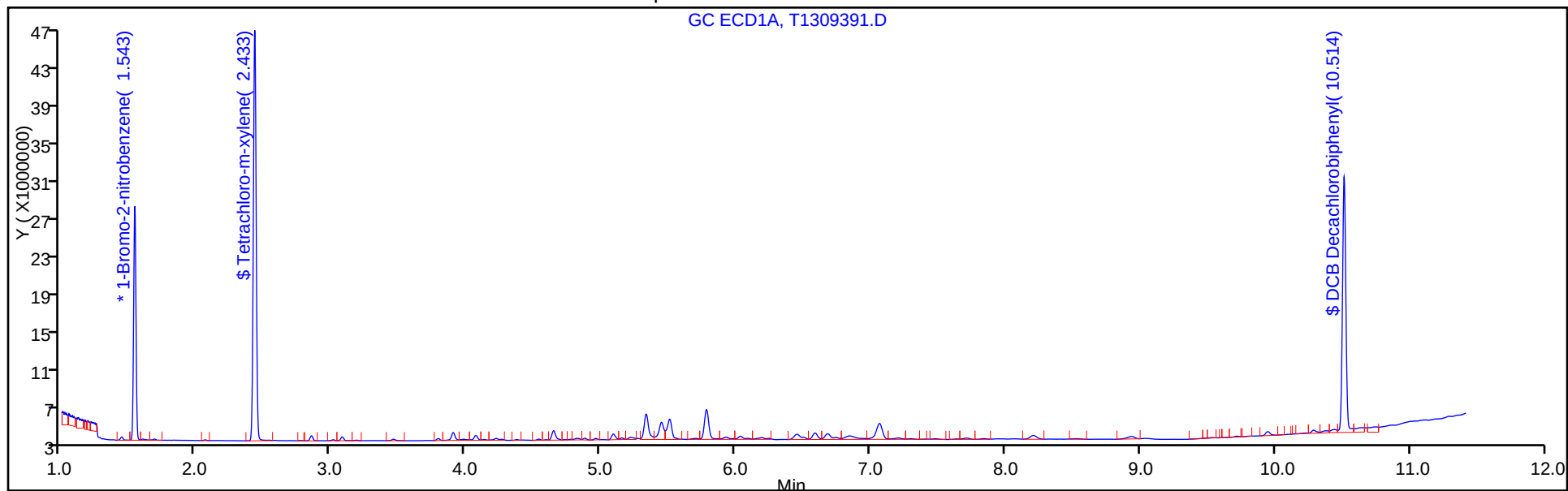
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 38

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-100972-1
SDG No.: _____
Client Sample ID: WC-11 Lab Sample ID: 460-100972-11
Matrix: Solid Lab File ID: T1309392.D
Analysis Method: 8082A Date Collected: 09/11/2015 10:07
Extraction Method: 3546 Date Extracted: 09/15/2015 02:35
Sample wt/vol: 15.0182(g) Date Analyzed: 09/15/2015 19:57
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)
% Moisture: 16.9 GPC Cleanup: (Y/N) N
Analysis Batch No.: 322579 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	103		30-150
877-09-8	Tetrachloro-m-xylene	107		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309392.D
Lims ID: 460-100972-A-11-C Lab Sample ID: 460-100972-11
Client ID: WC-11
Sample Type: Client
Inject. Date: 15-Sep-2015 19:57:11 ALS Bottle#: 39 Worklist Smp#: 39
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0031789-039
Operator ID: Instrument ID: CPESTGC11
Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 15-Sep-2015 22:18:37 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: XAWRK047

First Level Reviewer: boykinc

Date: 15-Sep-2015 22:15:40

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.543	1.542	0.001	30201616	20.0
2	1.363	1.361	0.002	38837637	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.432	2.431	0.001	71498314	53.3
2	1.993	1.991	0.002	96401067	53.1

RPD = 0.40

\$ 11 DCB Decachlorobiphenyl

1	10.511	10.530	-0.019	51364628	51.4
2	9.028	9.028	0.000	98530745	54.1

RPD = 5.12

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150915-31789.b\\T1309392.D

Injection Date: 15-Sep-2015 19:57:11

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-100972-A-11-C

Lab Sample ID: 460-100972-11

Worklist Smp#: 39

Client ID: WC-11

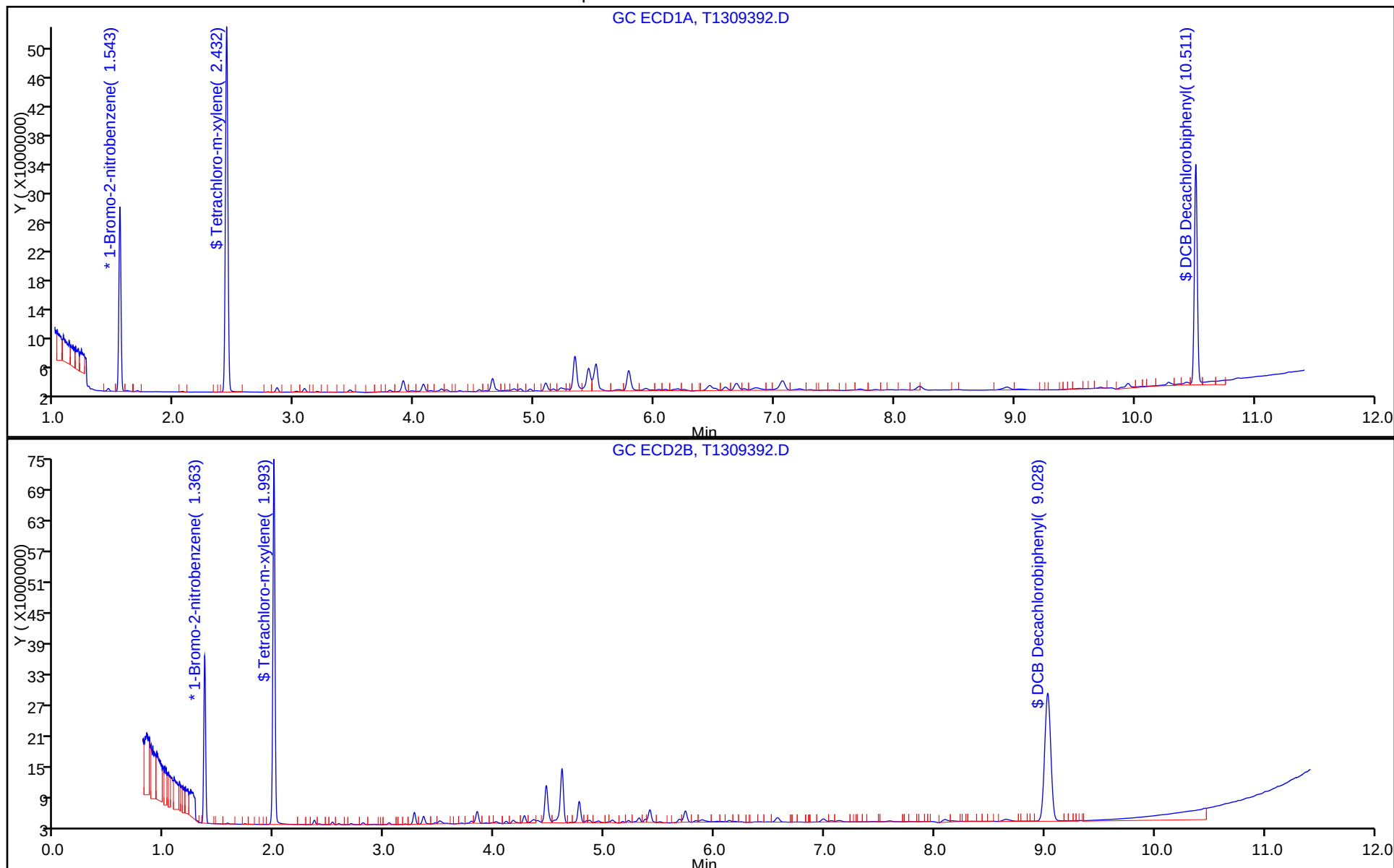
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 39

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>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-11</u>	Lab Sample ID: <u>460-100972-11</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1309392.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>09/11/2015 10:07</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>09/15/2015 02:35</u>
Sample wt/vol: <u>15.0182(g)</u>	Date Analyzed: <u>09/15/2015 19:57</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>16.9</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322579</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	106		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309392.D
 Lims ID: 460-100972-A-11-C Lab Sample ID: 460-100972-11
 Client ID: WC-11
 Sample Type: Client
 Inject. Date: 15-Sep-2015 19:57:11 ALS Bottle#: 39 Worklist Smp#: 39
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031789-039
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 15-Sep-2015 22:18:37 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: XAWRK047

First Level Reviewer: boykinc

Date: 15-Sep-2015 22:15:40

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.543	1.542	0.001	30201616	20.0
2	1.363	1.361	0.002	38837637	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.432	2.431	0.001	71498314	53.3
2	1.993	1.991	0.002	96401067	53.1

RPD = 0.40

\$ 11 DCB Decachlorobiphenyl

1	10.511	10.530	-0.019	51364628	51.4
2	9.028	9.028	0.000	98530745	54.1

RPD = 5.12

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150915-31789.b\\T1309392.D

Injection Date: 15-Sep-2015 19:57:11

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-100972-A-11-C

Lab Sample ID: 460-100972-11

Worklist Smp#: 39

Client ID: WC-11

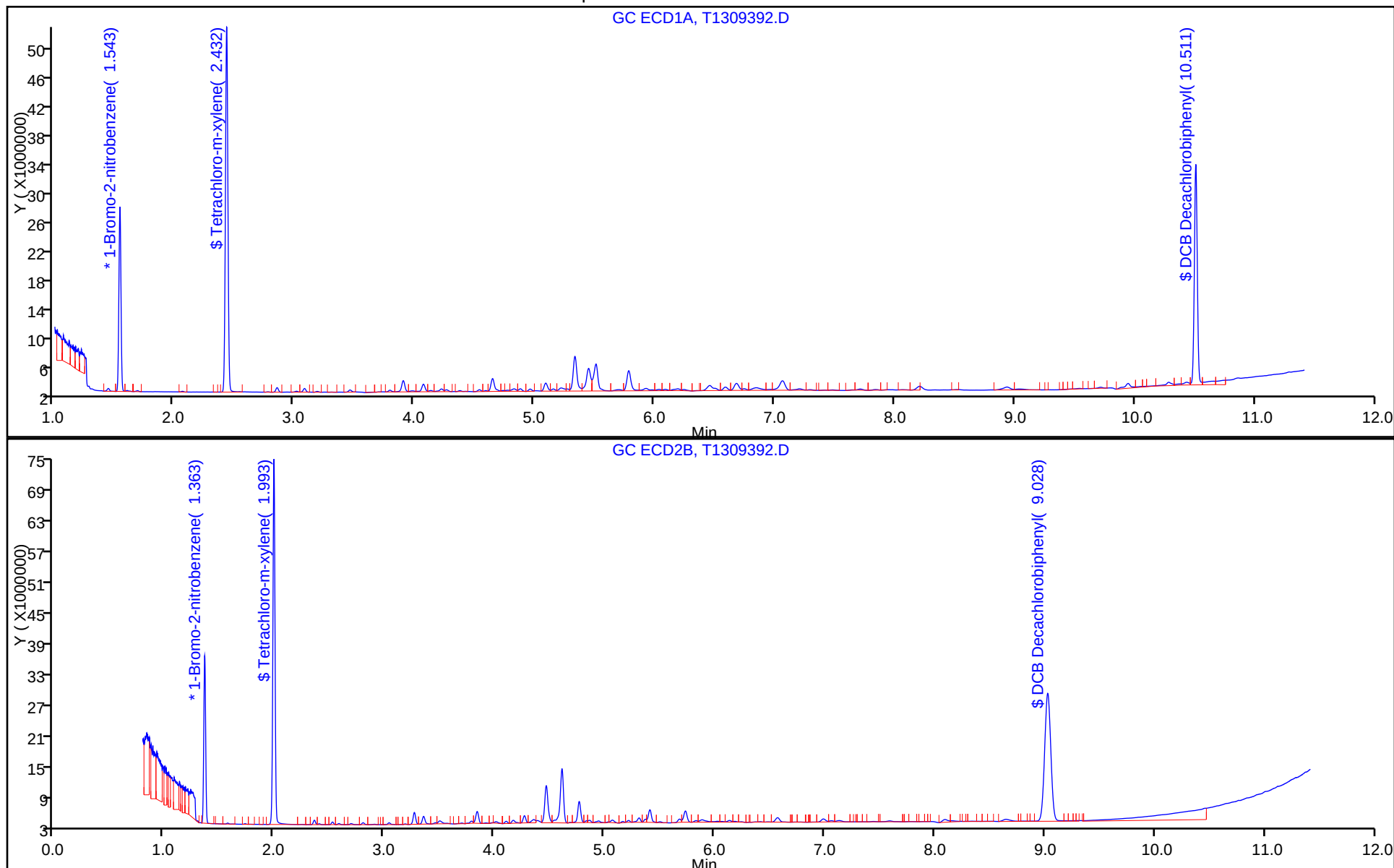
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 39

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-100972-1
SDG No.: _____
Client Sample ID: WC-12 Lab Sample ID: 460-100972-12
Matrix: Solid Lab File ID: T1309393.D
Analysis Method: 8082A Date Collected: 09/11/2015 10:14
Extraction Method: 3546 Date Extracted: 09/15/2015 02:35
Sample wt/vol: 15.0088(g) Date Analyzed: 09/15/2015 20:11
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)
% Moisture: 15.3 GPC Cleanup: (Y/N) N
Analysis Batch No.: 322579 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	101		30-150
877-09-8	Tetrachloro-m-xylene	103		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309393.D
 Lims ID: 460-100972-A-12-E Lab Sample ID: 460-100972-12
 Client ID: WC-12
 Sample Type: Client
 Inject. Date: 15-Sep-2015 20:11:45 ALS Bottle#: 40 Worklist Smp#: 40
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031789-040
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 15-Sep-2015 22:18:37 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: XAWRK047

First Level Reviewer: boykinc

Date: 15-Sep-2015 22:15:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.543	1.542	0.001	29369139	20.0	
2	1.363	1.361	0.002	37234998	20.0	
RPD = 0.00						

\$ 2 Tetrachloro-m-xylene

1	2.432	2.431	0.001	67292105	51.6	M
2	1.993	1.991	0.002	90430990	52.0	M
RPD = 0.69						

\$ 11 DCB Decachlorobiphenyl

1	10.514	10.530	-0.016	48867708	50.3	
2	9.030	9.028	0.002	96584301	55.3	
RPD = 9.53						

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\\20150915-31789.b\\T1309393.D

Injection Date: 15-Sep-2015 20:11:45

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-100972-A-12-E

Lab Sample ID: 460-100972-12

Worklist Smp#: 40

Client ID: WC-12

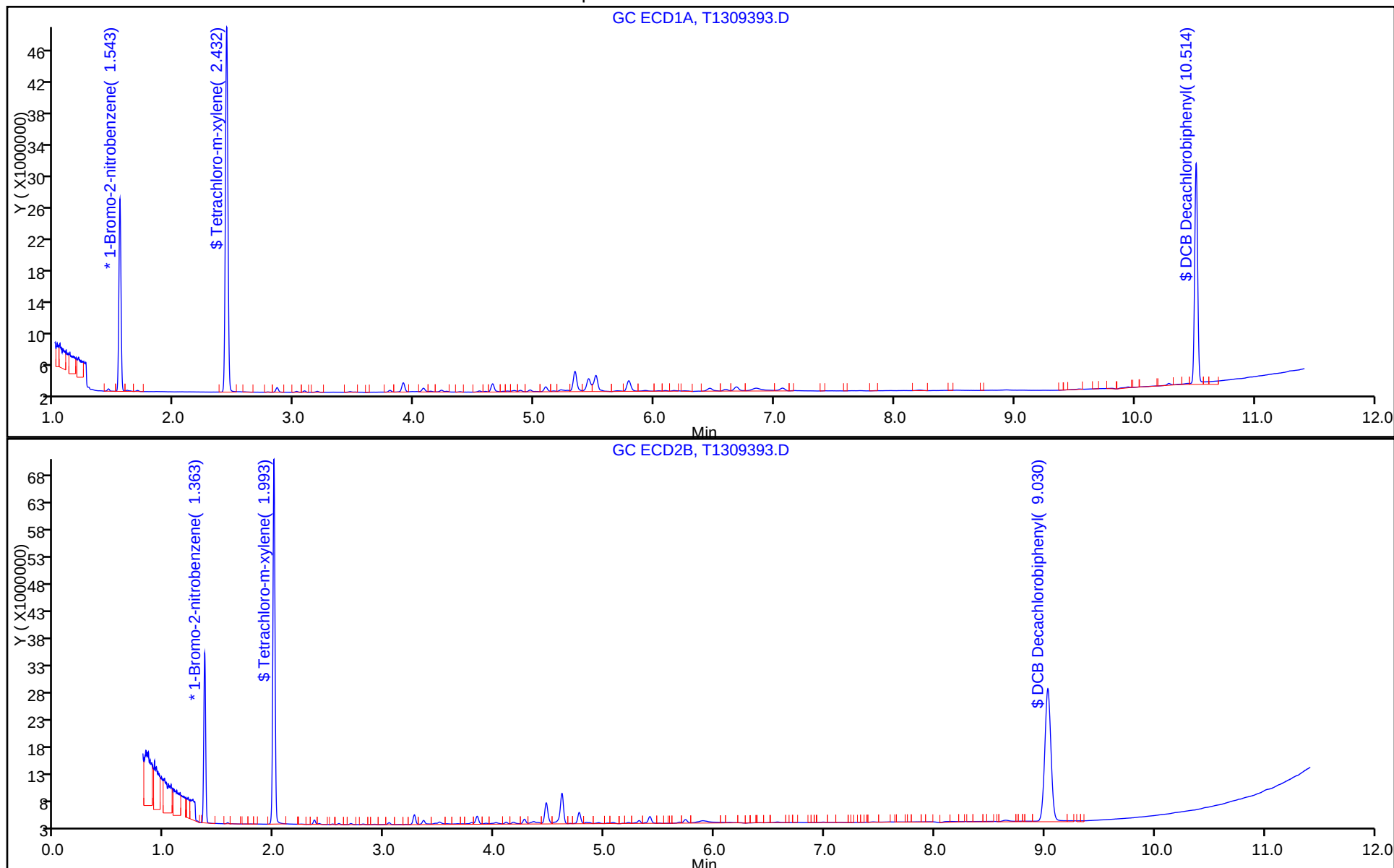
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 40

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>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-12</u>	Lab Sample ID: <u>460-100972-12</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1309393.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>09/11/2015 10:14</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>09/15/2015 02:35</u>
Sample wt/vol: <u>15.0088(g)</u>	Date Analyzed: <u>09/15/2015 20:11</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>15.3</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322579</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	104		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309393.D
 Lims ID: 460-100972-A-12-E Lab Sample ID: 460-100972-12
 Client ID: WC-12
 Sample Type: Client
 Inject. Date: 15-Sep-2015 20:11:45 ALS Bottle#: 40 Worklist Smp#: 40
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031789-040
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 15-Sep-2015 22:18:37 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: XAWRK047

First Level Reviewer: boykinc

Date: 15-Sep-2015 22:15:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.543	1.542	0.001	29369139	20.0
2	1.363	1.361	0.002	37234998	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

M

1	2.432	2.431	0.001	67292105	51.6
2	1.993	1.991	0.002	90430990	52.0

M

RPD = 0.69

\$ 11 DCB Decachlorobiphenyl

1	10.514	10.530	-0.016	48867708	50.3
2	9.030	9.028	0.002	96584301	55.3

RPD = 9.53

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\\20150915-31789.b\\T1309393.D

Injection Date: 15-Sep-2015 20:11:45

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-100972-A-12-E

Lab Sample ID: 460-100972-12

Worklist Smp#: 40

Client ID: WC-12

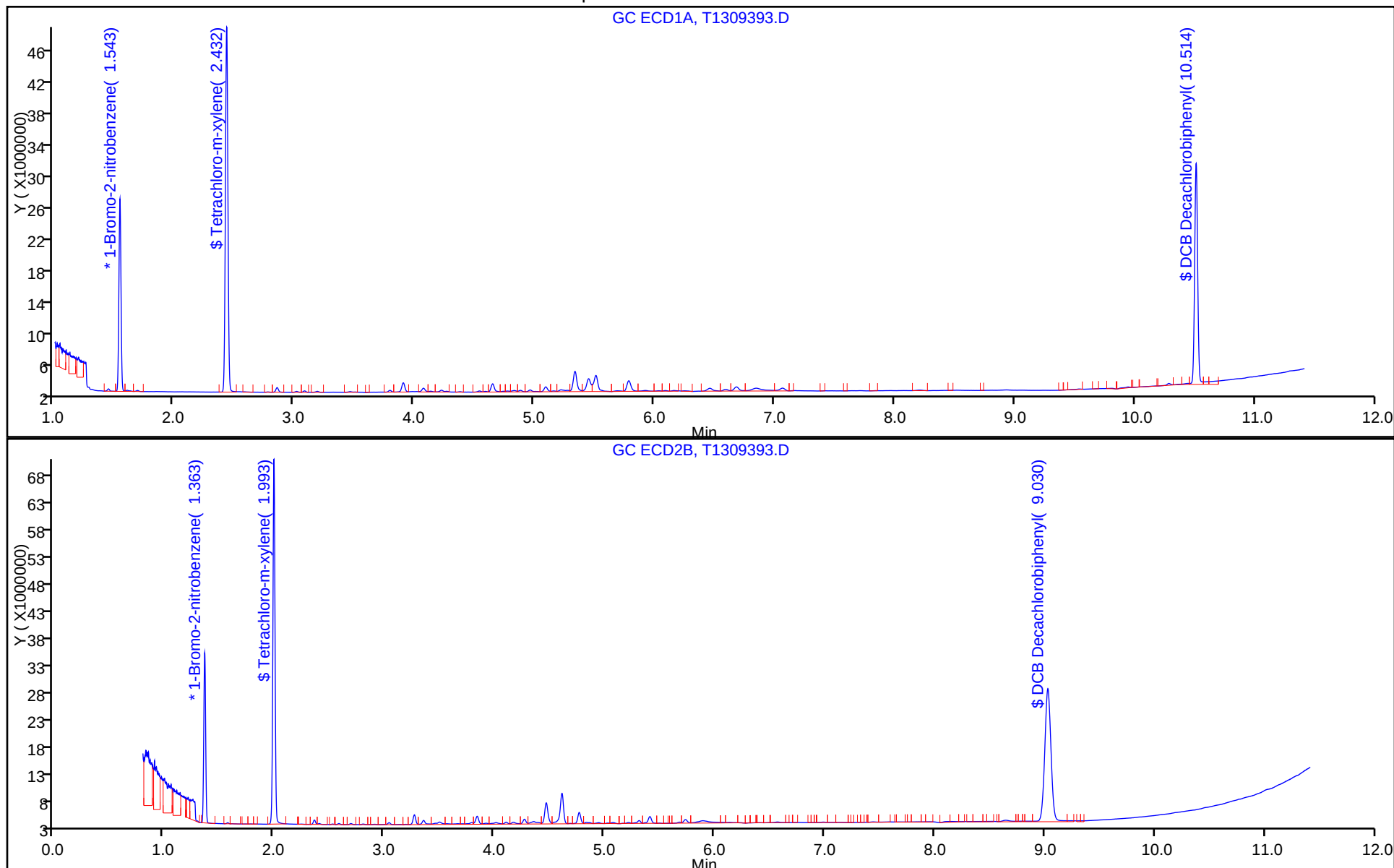
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 40

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



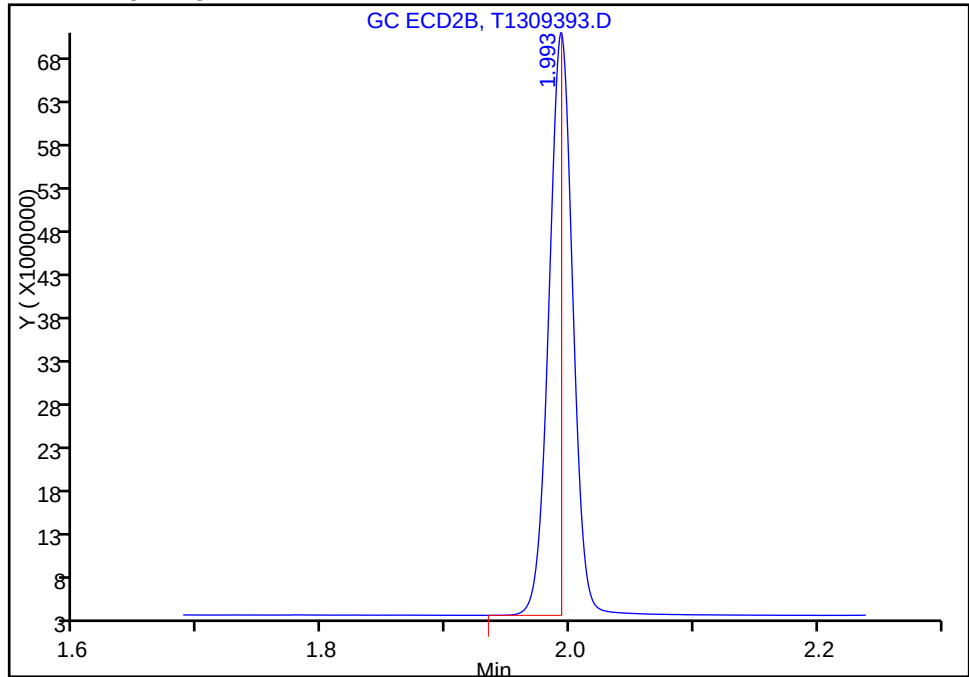
TestAmerica Edison

Data File:	\\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309393.D		
Injection Date:	15-Sep-2015 20:11:45	Instrument ID:	CPESTGC11
Lims ID:	460-100972-A-12-E	Lab Sample ID:	460-100972-12
Client ID:	WC-12		
Operator ID:		ALS Bottle#:	40
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD
Column:		Detector:	GC ECD2B
		Worklist Smp#:	40

\$ 2 Tetrachloro-m-xylene, CAS: 877-09-8

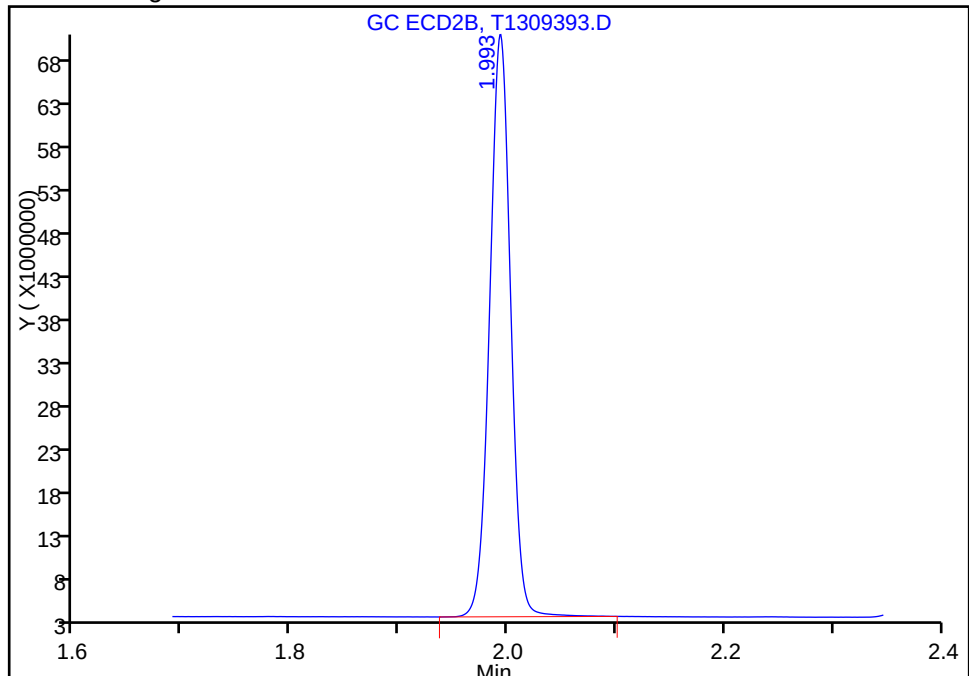
RT: 1.99
Area: 46835995
Amount: 26.919424
Amount Units: ug/l

Processing Integration Results



RT: 1.99
Area: 90430990
Amount: 51.976053
Amount Units: ug/l

Manual Integration Results



Reviewer: boykinc, 15-Sep-2015 22:16:17
Audit Action: Manually Integrated
Audit Reason: Baseline Smoothing

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-100972-1
SDG No.: _____
Client Sample ID: WC-13 Lab Sample ID: 460-100972-13
Matrix: Solid Lab File ID: T1309400.D
Analysis Method: 8082A Date Collected: 09/11/2015 10:30
Extraction Method: 3546 Date Extracted: 09/15/2015 08:56
Sample wt/vol: 15.0019(g) Date Analyzed: 09/15/2015 21:53
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: 12.5 GPC Cleanup: (Y/N) N
Analysis Batch No.: 322579 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	107		30-150
877-09-8	Tetrachloro-m-xylene	105		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309400.D
 Lims ID: 460-100972-A-13-B Lab Sample ID: 460-100972-13
 Client ID: WC-13
 Sample Type: Client
 Inject. Date: 15-Sep-2015 21:53:23 ALS Bottle#: 47 Worklist Smp#: 47
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031789-047
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 15-Sep-2015 22:30:59 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: XAWRK047

First Level Reviewer: boykinc

Date: 15-Sep-2015 22:31:07

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.543	1.542	0.001	29276958	20.0	
2	1.363	1.361	0.002	37475895	20.0	
RPD = 0.00						

\$ 2 Tetrachloro-m-xylene

1	2.432	2.431	0.001	68071159	52.4	
2	1.993	1.991	0.002	92771727	53.0	
RPD = 1.14						

\$ 11 DCB Decachlorobiphenyl

1	10.499	10.530	-0.031	51831553	53.5	
2	9.031	9.028	0.003	99345276	56.5	
RPD = 5.50						

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150915-31789.b\\T1309400.D

Injection Date: 15-Sep-2015 21:53:23

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-100972-A-13-B

Lab Sample ID: 460-100972-13

Worklist Smp#: 47

Client ID: WC-13

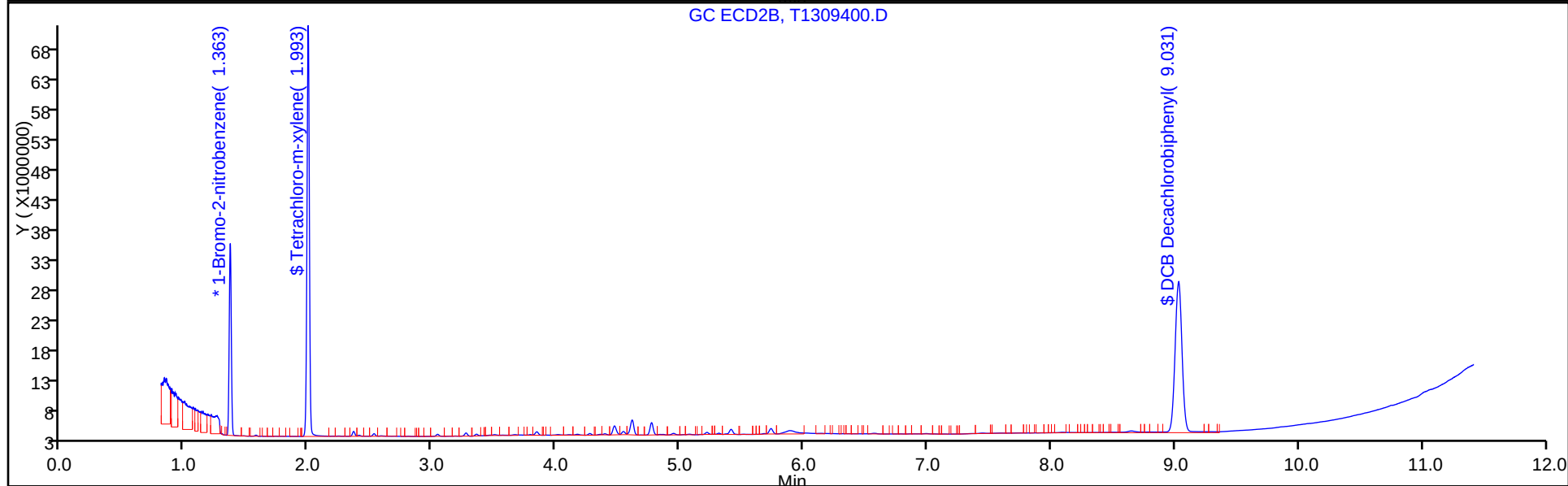
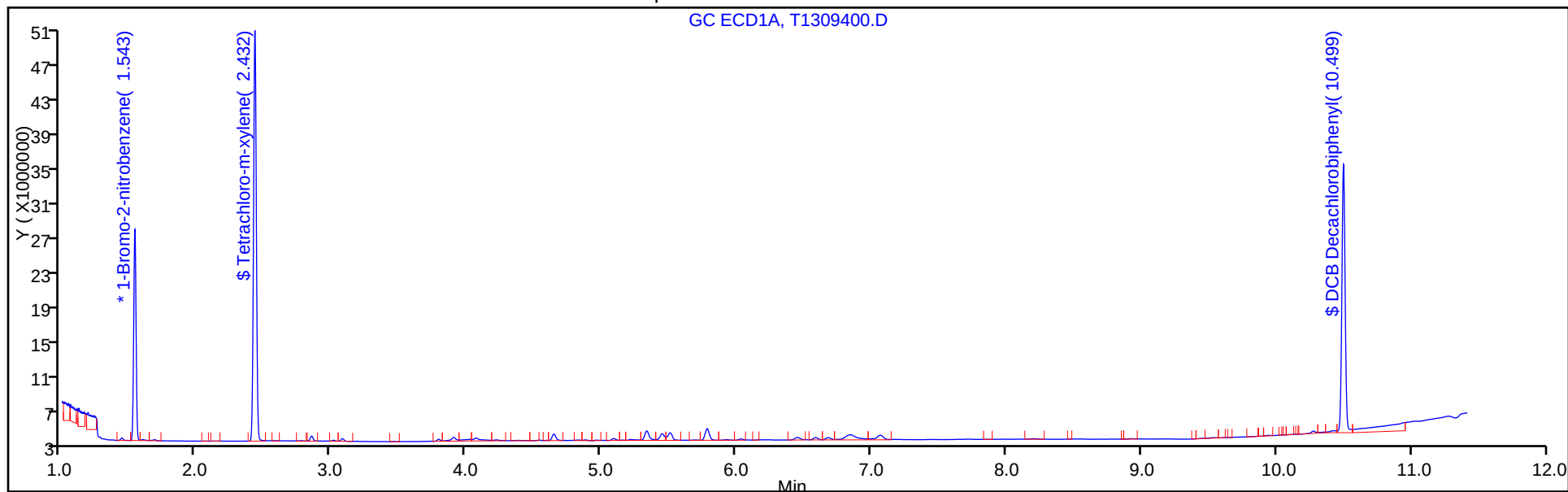
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 47

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>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-13</u>	Lab Sample ID: <u>460-100972-13</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1309400.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>09/11/2015 10:30</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>09/15/2015 08:56</u>
Sample wt/vol: <u>15.0019(g)</u>	Date Analyzed: <u>09/15/2015 21:53</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>12.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322579</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	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	113		30-150
877-09-8	Tetrachloro-m-xylene	106		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309400.D
 Lims ID: 460-100972-A-13-B Lab Sample ID: 460-100972-13
 Client ID: WC-13
 Sample Type: Client
 Inject. Date: 15-Sep-2015 21:53:23 ALS Bottle#: 47 Worklist Smp#: 47
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031789-047
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 15-Sep-2015 22:30:59 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: XAWRK047

First Level Reviewer: boykinc

Date: 15-Sep-2015 22:31:07

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.543	1.542	0.001	29276958	20.0
2	1.363	1.361	0.002	37475895	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.432	2.431	0.001	68071159	52.4
2	1.993	1.991	0.002	92771727	53.0

RPD = 1.14

\$ 11 DCB Decachlorobiphenyl

1	10.499	10.530	-0.031	51831553	53.5
2	9.031	9.028	0.003	99345276	56.5

RPD = 5.50

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309400.D

Injection Date: 15-Sep-2015 21:53:23

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-100972-A-13-B

Lab Sample ID: 460-100972-13

Worklist Smp#: 47

Client ID: WC-13

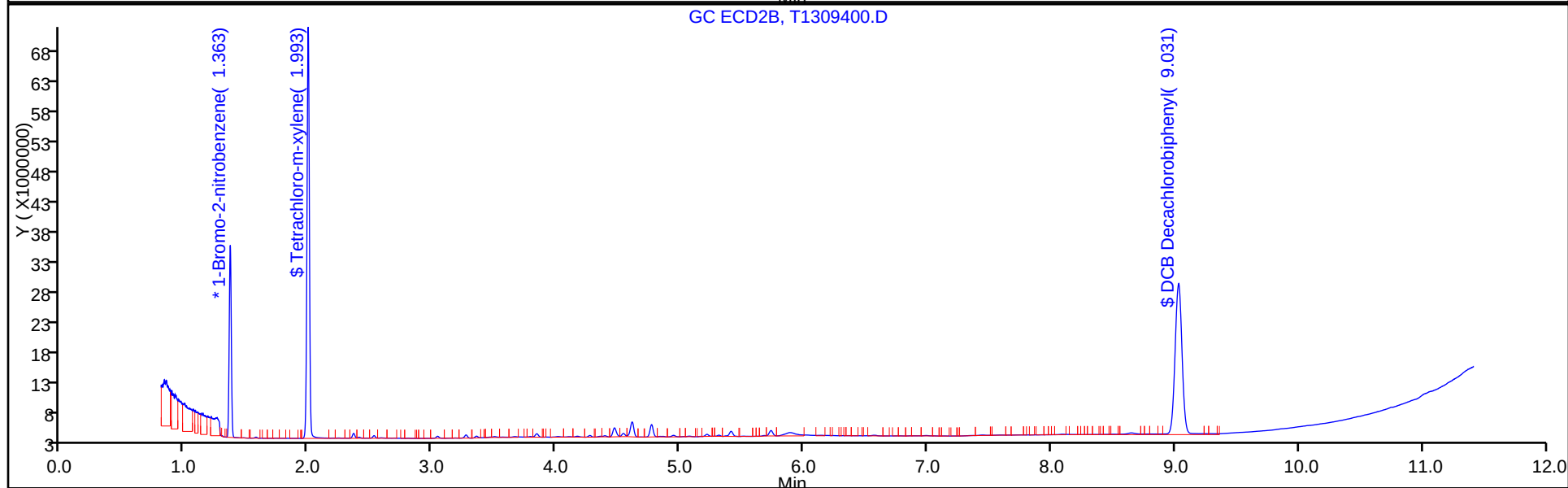
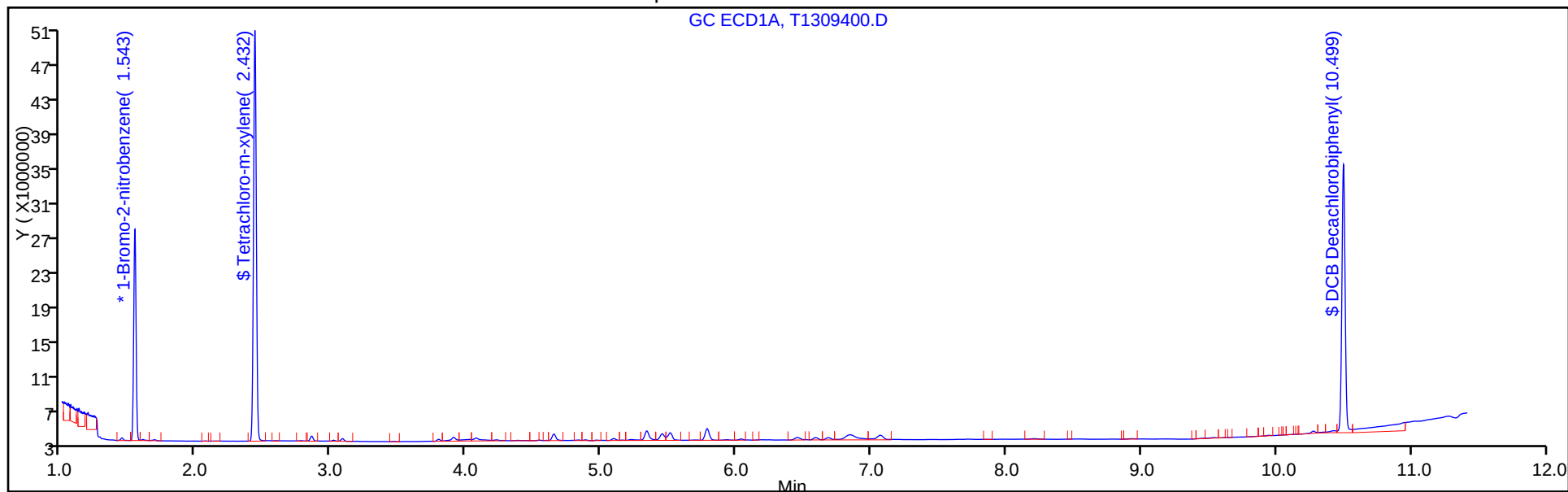
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 47

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-100972-1
SDG No.: _____
Client Sample ID: WC-14 Lab Sample ID: 460-100972-14
Matrix: Solid Lab File ID: T1309401.D
Analysis Method: 8082A Date Collected: 09/11/2015 10:37
Extraction Method: 3546 Date Extracted: 09/15/2015 08:56
Sample wt/vol: 15.0331(g) Date Analyzed: 09/15/2015 22:07
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 1 (uL) GC Column: CLP-2 ID: 0.53 (mm)
% Moisture: 16.9 GPC Cleanup: (Y/N) N
Analysis Batch No.: 322579 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	100		30-150
877-09-8	Tetrachloro-m-xylene	99		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309401.D
 Lims ID: 460-100972-A-14-B Lab Sample ID: 460-100972-14
 Client ID: WC-14
 Sample Type: Client
 Inject. Date: 15-Sep-2015 22:07:54 ALS Bottle#: 48 Worklist Smp#: 48
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031789-048
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 15-Sep-2015 22:30:59 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: XAWRK047

First Level Reviewer: boykinc

Date: 15-Sep-2015 22:30:59

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.543	1.542	0.001	28588631	20.0
2	1.364	1.361	0.003	36150405	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.433	2.431	0.002	62981662	49.6
2	1.994	1.991	0.003	86548438	51.2

RPD = 3.19

\$ 11 DCB Decachlorobiphenyl

1	10.498	10.530	-0.032	47151131	49.8
2	9.029	9.028	0.001	89910731	53.0

RPD = 6.21

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150915-31789.b\\T1309401.D

Injection Date: 15-Sep-2015 22:07:54

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-100972-A-14-B

Lab Sample ID: 460-100972-14

Worklist Smp#: 48

Client ID: WC-14

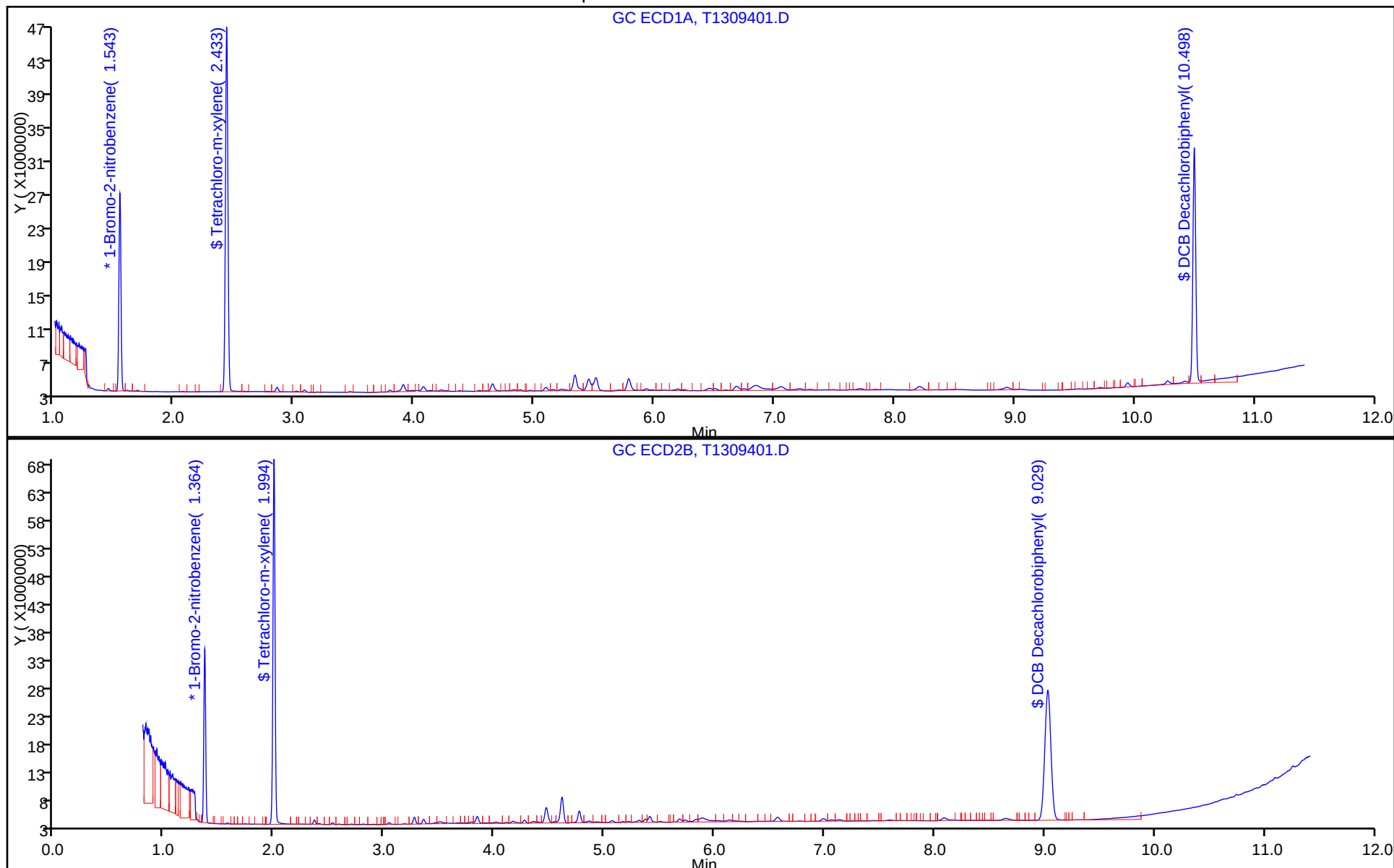
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 48

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>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-14</u>	Lab Sample ID: <u>460-100972-14</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1309401.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>09/11/2015 10:37</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>09/15/2015 08:56</u>
Sample wt/vol: <u>15.0331(g)</u>	Date Analyzed: <u>09/15/2015 22:07</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>16.9</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322579</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	102		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309401.D
 Lims ID: 460-100972-A-14-B Lab Sample ID: 460-100972-14
 Client ID: WC-14
 Sample Type: Client
 Inject. Date: 15-Sep-2015 22:07:54 ALS Bottle#: 48 Worklist Smp#: 48
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031789-048
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 15-Sep-2015 22:30:59 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: XAWRK047

First Level Reviewer: boykinc

Date: 15-Sep-2015 22:30:59

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

* 13 1-Bromo-2-nitrobenzene

1	1.543	1.542	0.001	28588631	20.0
2	1.364	1.361	0.003	36150405	20.0

RPD = 0.00

\$ 2 Tetrachloro-m-xylene

1	2.433	2.431	0.002	62981662	49.6
2	1.994	1.991	0.003	86548438	51.2

RPD = 3.19

\$ 11 DCB Decachlorobiphenyl

1	10.498	10.530	-0.032	47151131	49.8
2	9.029	9.028	0.001	89910731	53.0

RPD = 6.21

Reagents:

SGPCBISTD_00003

Amount Added: 20.00

Units: uL

Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150915-31789.b\\T1309401.D

Injection Date: 15-Sep-2015 22:07:54

Instrument ID: CPESTGC11

Operator ID:

Lims ID: 460-100972-A-14-B

Lab Sample ID: 460-100972-14

Worklist Smp#: 48

Client ID: WC-14

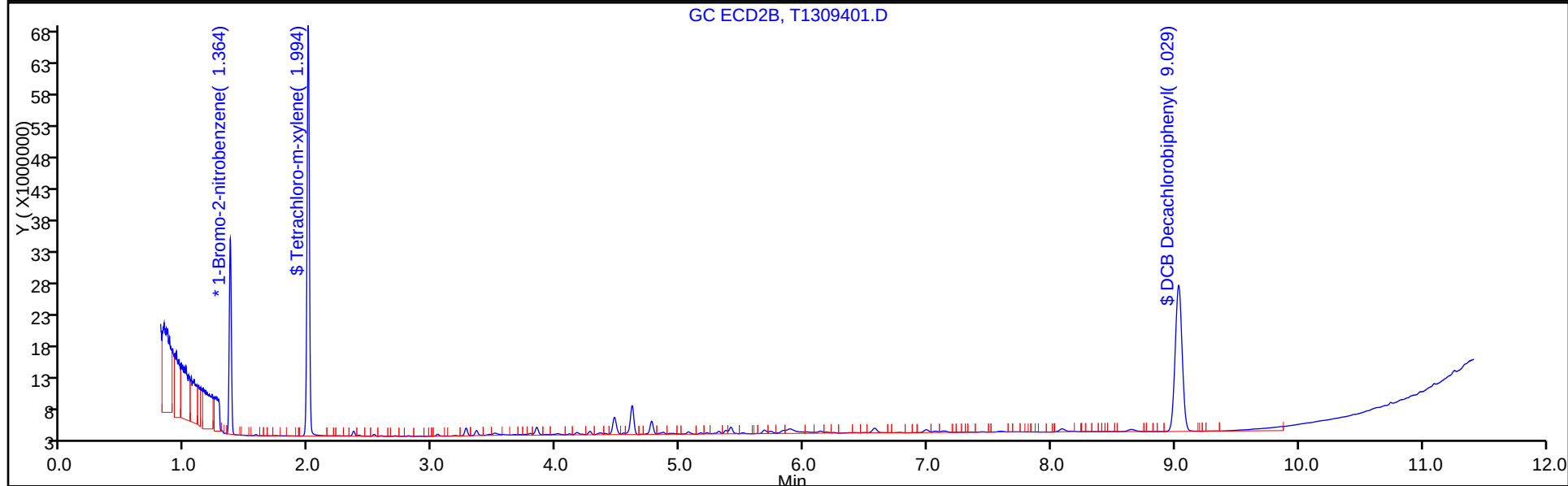
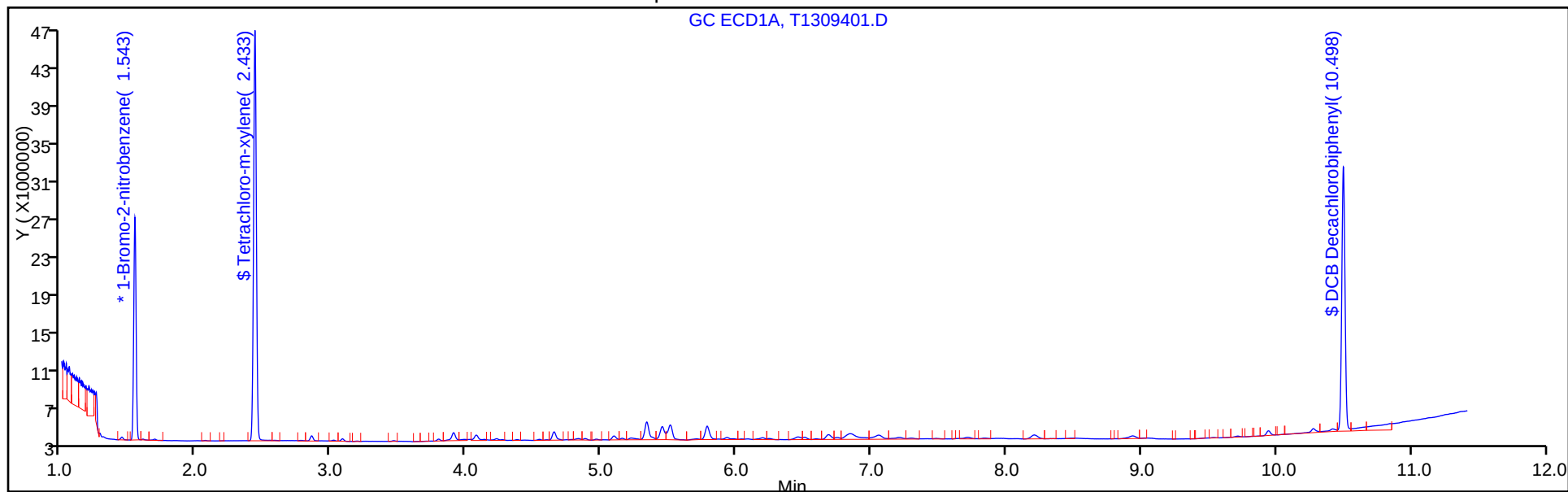
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 48

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.: 460-100972-1 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.: 460-100972-1 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.: 460-100972-1 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.: 460-100972-1 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.: 460-100972-1 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.: 460-100972-1 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.: 460-100972-1 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.: 460-100972-1 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.: 460-100972-1 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.: 460-100972-1 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.: 460-100972-1 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.: 460-100972-1 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.: 460-100972-1 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.: 460-100972-1 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.: 460-100972-1 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.: 460-100972-1 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.: 460-100972-1 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.: 460-100972-1 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.: 460-100972-1 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.: 460-100972-1 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.: 460-100972-1 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.: 460-100972-1 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.: 460-100972-1 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.: 460-100972-1 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.: 460-100972-1 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.: 460-100972-1 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.: 460-100972-1 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.: 460-100972-1 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.: 460-100972-1 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.: 460-100972-1 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.: 460-100972-1 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.: 460-100972-1 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.: 460-100972-1
 SDG No.: _____
 Lab Sample ID: CCV 460-322579/24 Calibration Date: 09/15/2015 16:19
 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: T1309377.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	0.0173		978	1000	-2.2	20.0
PCB-1016 Peak 2	Ave	0.0337	0.0342		1010	1000	1.3	20.0
PCB-1016 Peak 3	Ave	0.0695	0.0696		1000	1000	0.2	20.0
PCB-1016 Peak 4	Ave	0.0234	0.0234		1000	1000	0.0	20.0
PCB-1016 Peak 5	Ave	0.0259	0.0265		1020	1000	2.4	20.0
PCB-1260 Peak 1	Ave	0.0476	0.0475		998	1000	-0.2	20.0
PCB-1260 Peak 2	Ave	0.0523	0.0508		971	1000	-2.9	20.0
PCB-1260 Peak 3	Ave	0.0384	0.0395		1030	1000	2.8	20.0
PCB-1260 Peak 4	Ave	0.0855	0.0873		1020	1000	2.1	20.0
PCB-1260 Peak 5	Ave	0.0214	0.0217		1010	1000	1.3	20.0
Tetrachloro-m-xylene	Ave	0.8878	0.9312		105	100	4.9	20.0
DCB Decachlorobiphenyl	Ave	0.6618	0.6574		99.3	100	-0.7	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-100972-1
SDG No.: _____
Lab Sample ID: CCV 460-322579/24 Calibration Date: 09/15/2015 16:19
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: T1309377.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	3.00	2.93	3.07
PCB-1016 Peak 2	3.46	3.39	3.53
PCB-1016 Peak 3	3.98	3.91	4.05
PCB-1016 Peak 4	4.67	4.60	4.74
PCB-1016 Peak 5	4.81	4.74	4.88
PCB-1260 Peak 1	6.20	6.13	6.27
PCB-1260 Peak 2	6.51	6.44	6.58
PCB-1260 Peak 3	7.71	7.64	7.78
PCB-1260 Peak 4	8.21	8.14	8.28
PCB-1260 Peak 5	9.95	9.88	10.02
Tetrachloro-m-xylene	2.43	2.38	2.48
DCB Decachlorobiphenyl	10.53	10.43	10.63

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-100972-1
 SDG No.: _____
 Lab Sample ID: CCV 460-322579/24 Calibration Date: 09/15/2015 16:19
 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: T1309377.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	0.0192		1020	1000	1.8	20.0
PCB-1016 Peak 2	Ave	0.0362	0.0372		1030	1000	2.9	20.0
PCB-1016 Peak 3	Ave	0.0767	0.0820		1070	1000	6.9	20.0
PCB-1016 Peak 4	Ave	0.0335	0.0341		1020	1000	1.7	20.0
PCB-1016 Peak 5	Ave	0.0339	0.0347		1020	1000	2.3	20.0
PCB-1260 Peak 1	Ave	0.0476	0.0501		1050	1000	5.2	20.0
PCB-1260 Peak 2	Ave	0.0458	0.0477		1040	1000	4.2	20.0
PCB-1260 Peak 3	Ave	0.0984	0.1035		1050	1000	5.1	20.0
PCB-1260 Peak 4	Ave	0.0557	0.0585		1050	1000	5.0	20.0
PCB-1260 Peak 5	Ave	0.0263	0.0277		1050	1000	5.5	20.0
Tetrachloro-m-xylene	Ave	0.9345	1.016		109	100	8.7	20.0
DCB Decachlorobiphenyl	Ave	0.9379	1.043		111	100	11.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-100972-1
SDG No.: _____
Lab Sample ID: CCV 460-322579/24 Calibration Date: 09/15/2015 16:19
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: T1309377.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.35	2.28	2.42
PCB-1016 Peak 2	2.71	2.64	2.78
PCB-1016 Peak 3	3.18	3.11	3.25
PCB-1016 Peak 4	3.32	3.25	3.39
PCB-1016 Peak 5	3.75	3.68	3.82
PCB-1260 Peak 1	5.06	4.99	5.13
PCB-1260 Peak 2	6.13	6.06	6.20
PCB-1260 Peak 3	6.57	6.50	6.64
PCB-1260 Peak 4	6.99	6.92	7.06
PCB-1260 Peak 5	8.09	8.02	8.16
Tetrachloro-m-xylene	1.99	1.94	2.04
DCB Decachlorobiphenyl	9.03	8.93	9.13

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-100972-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 460-322399/1-A
Matrix: Solid Lab File ID: T1309378.D
Analysis Method: 8082A Date Collected: _____
Extraction Method: 3546 Date Extracted: 09/15/2015 02:35
Sample wt/vol: 15.0000 (g) Date Analyzed: 09/15/2015 16:33
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.: 322579 Units: mg/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	110		30-150
877-09-8	Tetrachloro-m-xylene	105		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309378.D
 Lims ID: MB 460-322399/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 15-Sep-2015 16:33:49 ALS Bottle#: 25 Worklist Smp#: 25
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031789-025
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 15-Sep-2015 22:18:37 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: XAWRK047

First Level Reviewer: boykinc Date: 15-Sep-2015 22:12:01

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	1.543	1.542	0.001	28471075	20.0	20.0	
2	1.363	1.361	0.002	35504032	20.0	20.0	
RPD = 0.00							

\$ 2 Tetrachloro-m-xylene

1	2.433	2.431	0.002	66207334	50.0	52.4	
2	1.993	1.991	0.002	88526522	50.0	53.4	
RPD = 1.84							

\$ 11 DCB Decachlorobiphenyl

1	10.528	10.530	-0.002	51725805	50.0	54.9	
2	9.029	9.028	0.001	97828018	50.0	58.8	
RPD = 6.78							

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150915-31789.b\\T1309378.D

Injection Date: 15-Sep-2015 16:33:49

Instrument ID: CPESTGC11

Operator ID:

Lims ID: MB 460-322399/1-A

Worklist Smp#: 25

Client ID:

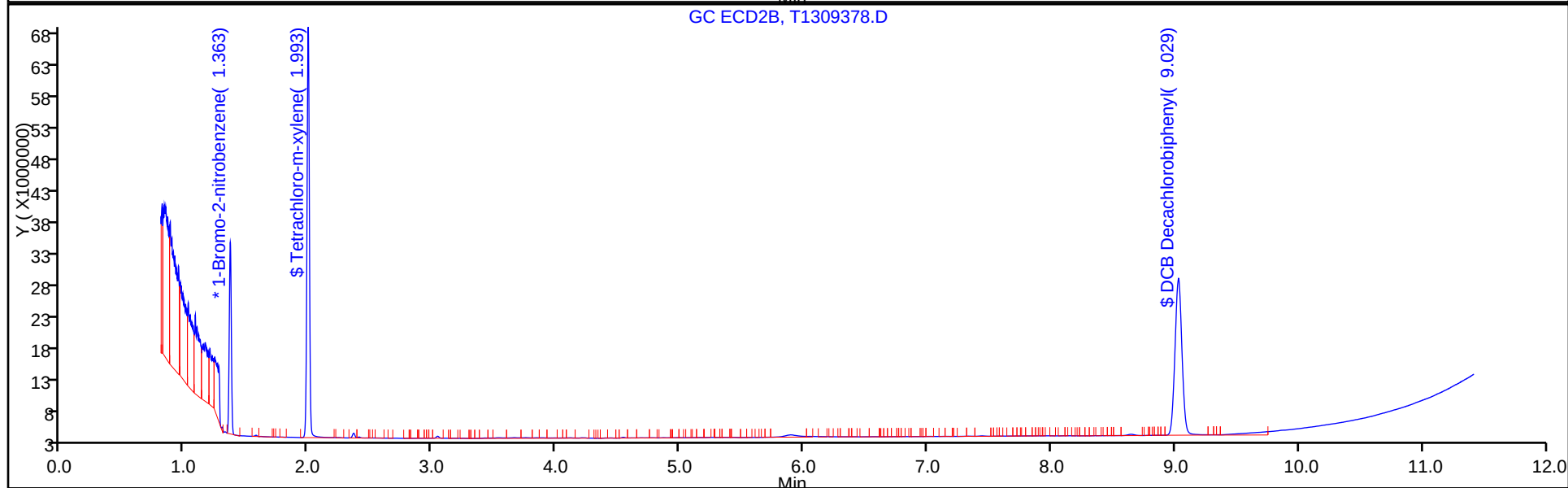
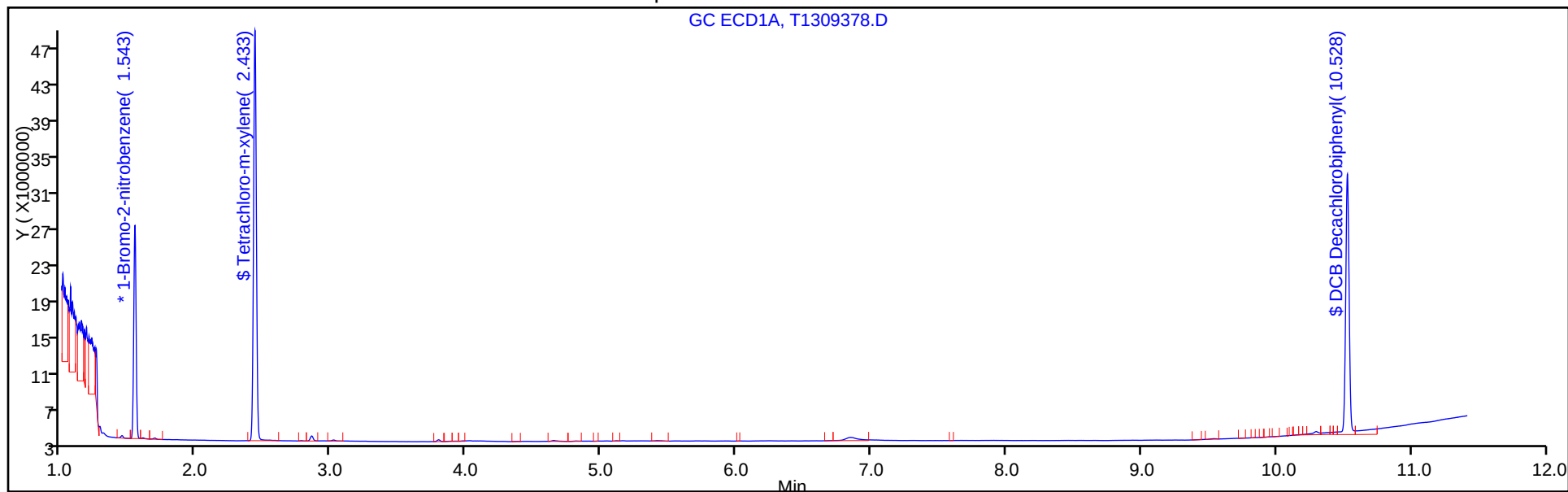
Injection Vol: 1.0 ul

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.: 460-100972-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 460-322399/1-A
 Matrix: Solid Lab File ID: T1309378.D
 Analysis Method: 8082A Date Collected: _____
 Extraction Method: 3546 Date Extracted: 09/15/2015 02:35
 Sample wt/vol: 15.0000(g) Date Analyzed: 09/15/2015 16:33
 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.: 322579 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	118		30-150
877-09-8	Tetrachloro-m-xylene	107		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309378.D
 Lims ID: MB 460-322399/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 15-Sep-2015 16:33:49 ALS Bottle#: 25 Worklist Smp#: 25
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031789-025
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 15-Sep-2015 22:18:37 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: XAWRK047

First Level Reviewer: boykinc

Date: 15-Sep-2015 22:12:01

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	1.543	1.542	0.001	28471075	20.0	20.0	
2	1.363	1.361	0.002	35504032	20.0	20.0	
RPD = 0.00							

\$ 2 Tetrachloro-m-xylene

1	2.433	2.431	0.002	66207334	50.0	52.4	
2	1.993	1.991	0.002	88526522	50.0	53.4	
RPD = 1.84							

\$ 11 DCB Decachlorobiphenyl

1	10.528	10.530	-0.002	51725805	50.0	54.9	
2	9.029	9.028	0.001	97828018	50.0	58.8	
RPD = 6.78							

Reagents:

SGPCBISTD_00003 Amount Added: 20.00 Units: uL Run Reagent

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150915-31789.b\\T1309378.D

Injection Date: 15-Sep-2015 16:33:49

Instrument ID: CPESTGC11

Operator ID:

Lims ID: MB 460-322399/1-A

Worklist Smp#: 25

Client ID:

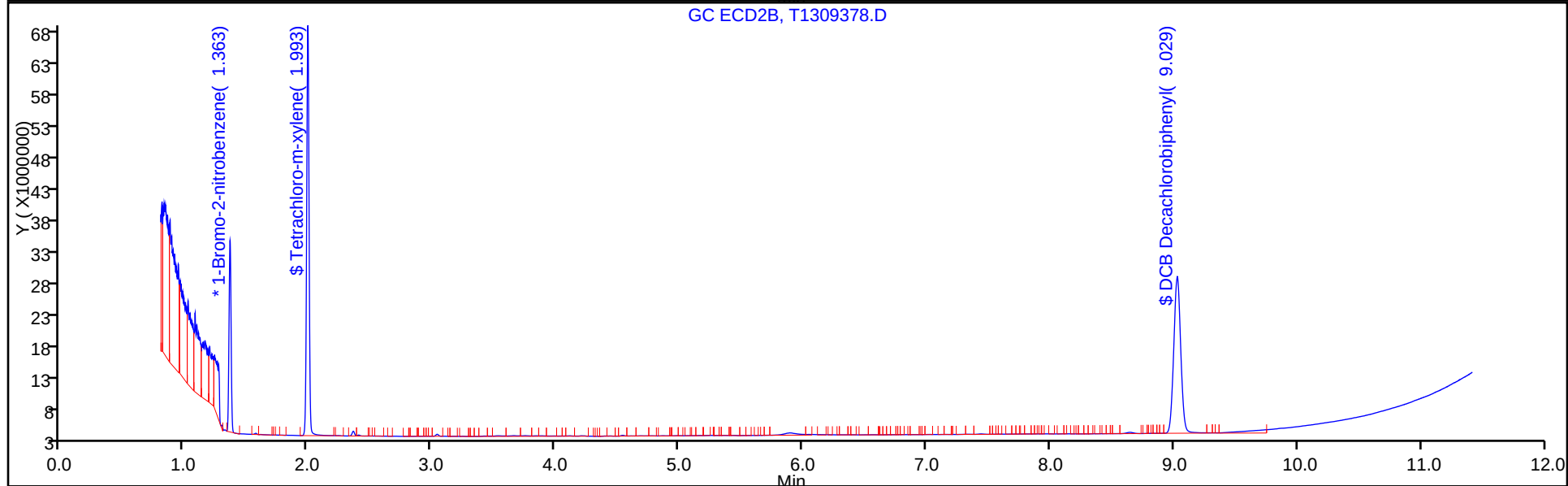
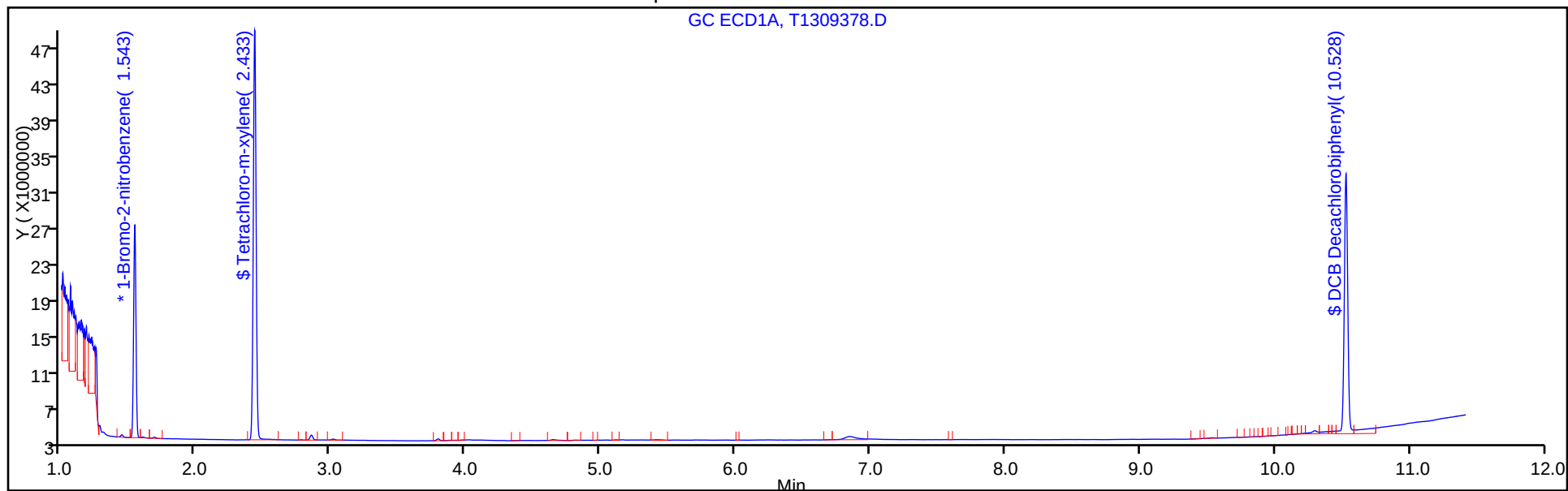
Injection Vol: 1.0 ul

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.: 460-100972-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-322399/2-A
 Matrix: Solid Lab File ID: T1309379.D
 Analysis Method: 8082A Date Collected: _____
 Extraction Method: 3546 Date Extracted: 09/15/2015 02:35
 Sample wt/vol: 15.0000 (g) Date Analyzed: 09/15/2015 16:48
 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.: 322579 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.372		0.067	0.0089
11096-82-5	Aroclor 1260	0.413		0.067	0.0092
1336-36-3	Polychlorinated biphenyls, Total	0.785		0.067	0.0092

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	107		30-150
877-09-8	Tetrachloro-m-xylene	108		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309379.D
 Lims ID: LCS 460-322399/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 15-Sep-2015 16:48:20 ALS Bottle#: 26 Worklist Smp#: 26
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031789-026
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 15-Sep-2015 22:18:37 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: XAWRK047

First Level Reviewer: boykinc Date: 15-Sep-2015 22:12:26

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	1.543	1.542	0.001	29015577	20.0	20.0	
2	1.363	1.361	0.002	36581388	20.0	20.0	
RPD = 0.00							

\$ 2 Tetrachloro-m-xylene

1	2.433	2.431	0.002	69865408	50.0	54.2	
2	1.993	1.991	0.002	94964419	50.0	55.6	
RPD = 2.39							

5 PCB-1016

1	2.998	2.997	0.001	14025675	500.0	546.5	
1	3.464	3.463	0.001	27886904	500.0	569.6	
1	3.981	3.980	0.001	55919503	500.0	554.8	
1	4.674	4.673	0.001	18803933	500.0	554.5	
1	4.811	4.810	0.001	21205197	500.0	565.2	
Average of Peak Amounts =						558.1	
2	2.350	2.350	0.000	19106355	500.0	554.1	
2	2.705	2.705	0.000	37576577	500.0	567.7	M
2	3.180	3.179	0.001	80778275	500.0	575.6	M
2	3.319	3.318	0.001	35097501	500.0	572.2	M
2	3.753	3.751	0.002	34923822	500.0	562.6	M
Average of Peak Amounts =						566.5	
RPD = 1.48							

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309379.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	6.195	6.195	0.000	37199514	500.0	538.4	
1	6.506	6.506	0.000	42808813	500.0	564.1	
1	7.714	7.714	0.000	37794319	500.0	678.1	
1	8.208	8.206	0.002	77423596	500.0	624.5	
1	9.953	9.953	0.000	21567795	500.0	694.2	

Average of Peak Amounts =

619.9

2	5.064	5.063	0.001	50410182	500.0	578.9	M
2	6.134	6.133	0.001	52720490	500.0	629.9	M
2	6.573	6.571	0.002	125529758	500.0	697.4	M
2	6.991	6.987	0.004	58513065	500.0	573.9	M
2	8.087	8.085	0.002	33947883	500.0	705.4	

Average of Peak Amounts =

637.1

RPD = 2.74

\$ 11 DCB Decachlorobiphenyl

M

1	10.530	10.530	0.000	51602861	50.0	53.7	
2	9.029	9.028	0.001	99193759	50.0	57.8	M

RPD = 7.31

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\\20150915-31789.b\\T1309379.D

Injection Date: 15-Sep-2015 16:48:20

Instrument ID: CPESTGC11

Operator ID:

Lims ID: LCS 460-322399/2-A

Worklist Smp#: 26

Client ID:

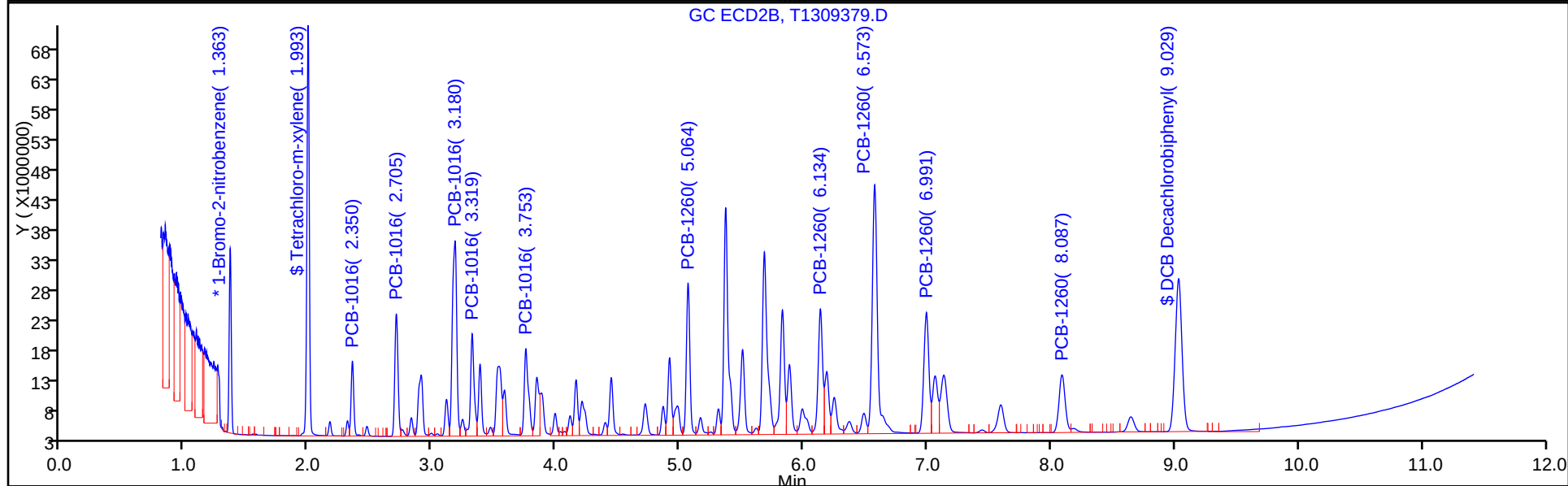
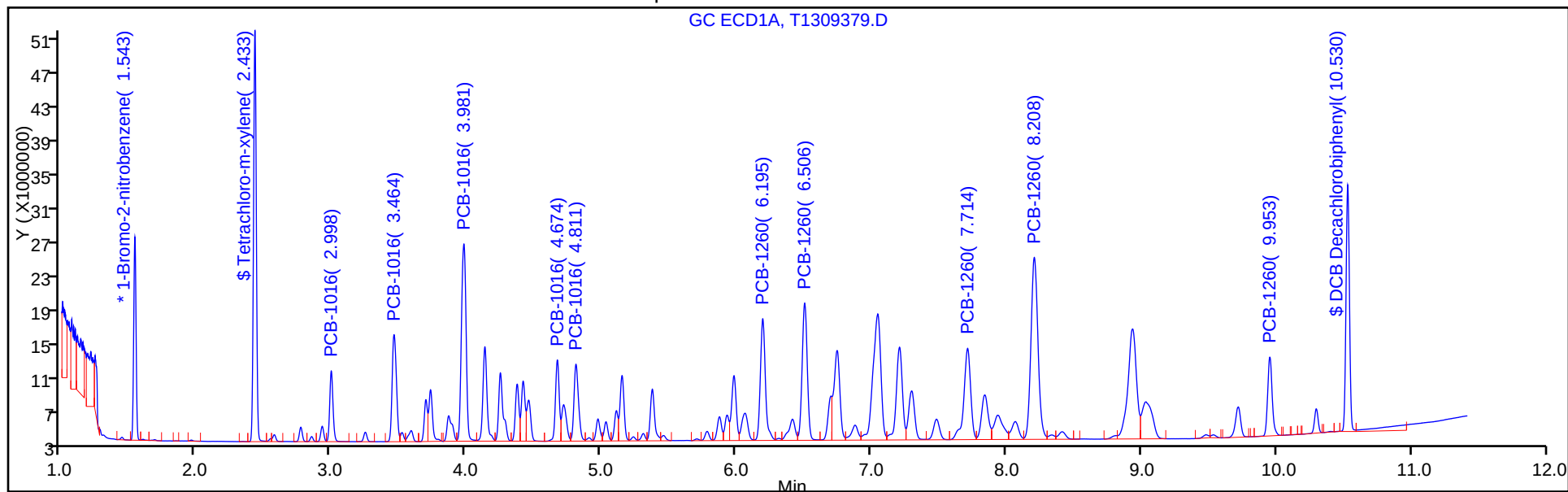
Injection Vol: 1.0 ul

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.: 460-100972-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 460-322399/2-A
 Matrix: Solid Lab File ID: T1309379.D
 Analysis Method: 8082A Date Collected: _____
 Extraction Method: 3546 Date Extracted: 09/15/2015 02:35
 Sample wt/vol: 15.0000 (g) Date Analyzed: 09/15/2015 16:48
 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.: 322579 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.378		0.067	0.0089
11096-82-5	Aroclor 1260	0.425		0.067	0.0092
1336-36-3	Polychlorinated biphenyls, Total	0.803		0.067	0.0092

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	116		30-150
877-09-8	Tetrachloro-m-xylene	111		30-150

TestAmerica Edison
Target Compound Quantitation Report

Data File: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\T1309379.D
 Lims ID: LCS 460-322399/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 15-Sep-2015 16:48:20 ALS Bottle#: 26 Worklist Smp#: 26
 Injection Vol: 1.0 ul Dil. Factor: 1.0000
 Sample Info: 460-0031789-026
 Operator ID: Instrument ID: CPESTGC11
 Method: \\ChromNA\Edison\ChromData\CPESTGC11\20150915-31789.b\8082 ISTD.m
 Limit Group: GC 8082A PCB ISTD
 Last Update: 15-Sep-2015 22:18:37 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: XAWRK047

First Level Reviewer: boykinc

Date: 15-Sep-2015 22:12:26

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	1.543	1.542	0.001	29015577	20.0	20.0	
2	1.363	1.361	0.002	36581388	20.0	20.0	
RPD = 0.00							

\$ 2 Tetrachloro-m-xylene

1	2.433	2.431	0.002	69865408	50.0	54.2	
2	1.993	1.991	0.002	94964419	50.0	55.6	
RPD = 2.39							

5 PCB-1016

M

1	2.998	2.997	0.001	14025675	500.0	546.5	
1	3.464	3.463	0.001	27886904	500.0	569.6	
1	3.981	3.980	0.001	55919503	500.0	554.8	
1	4.674	4.673	0.001	18803933	500.0	554.5	
1	4.811	4.810	0.001	21205197	500.0	565.2	
Average of Peak Amounts =						558.1	
2	2.350	2.350	0.000	19106355	500.0	554.1	
2	2.705	2.705	0.000	37576577	500.0	567.7	M
2	3.180	3.179	0.001	80778275	500.0	575.6	M
2	3.319	3.318	0.001	35097501	500.0	572.2	M
2	3.753	3.751	0.002	34923822	500.0	562.6	M
Average of Peak Amounts =						566.5	
RPD = 1.48							

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150915-31789.b\\T1309379.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	6.195	6.195	0.000	37199514	500.0	538.4	
1	6.506	6.506	0.000	42808813	500.0	564.1	
1	7.714	7.714	0.000	37794319	500.0	678.1	
1	8.208	8.206	0.002	77423596	500.0	624.5	
1	9.953	9.953	0.000	21567795	500.0	694.2	

Average of Peak Amounts =

619.9

2	5.064	5.063	0.001	50410182	500.0	578.9	M
2	6.134	6.133	0.001	52720490	500.0	629.9	M
2	6.573	6.571	0.002	125529758	500.0	697.4	M
2	6.991	6.987	0.004	58513065	500.0	573.9	M
2	8.087	8.085	0.002	33947883	500.0	705.4	

Average of Peak Amounts =

637.1

RPD = 2.74

\$ 11 DCB Decachlorobiphenyl

M

1	10.530	10.530	0.000	51602861	50.0	53.7	
2	9.029	9.028	0.001	99193759	50.0	57.8	M

RPD = 7.31

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\\20150915-31789.b\\T1309379.D

Injection Date: 15-Sep-2015 16:48:20

Instrument ID: CPESTGC11

Operator ID:

Lims ID: LCS 460-322399/2-A

Worklist Smp#: 26

Client ID:

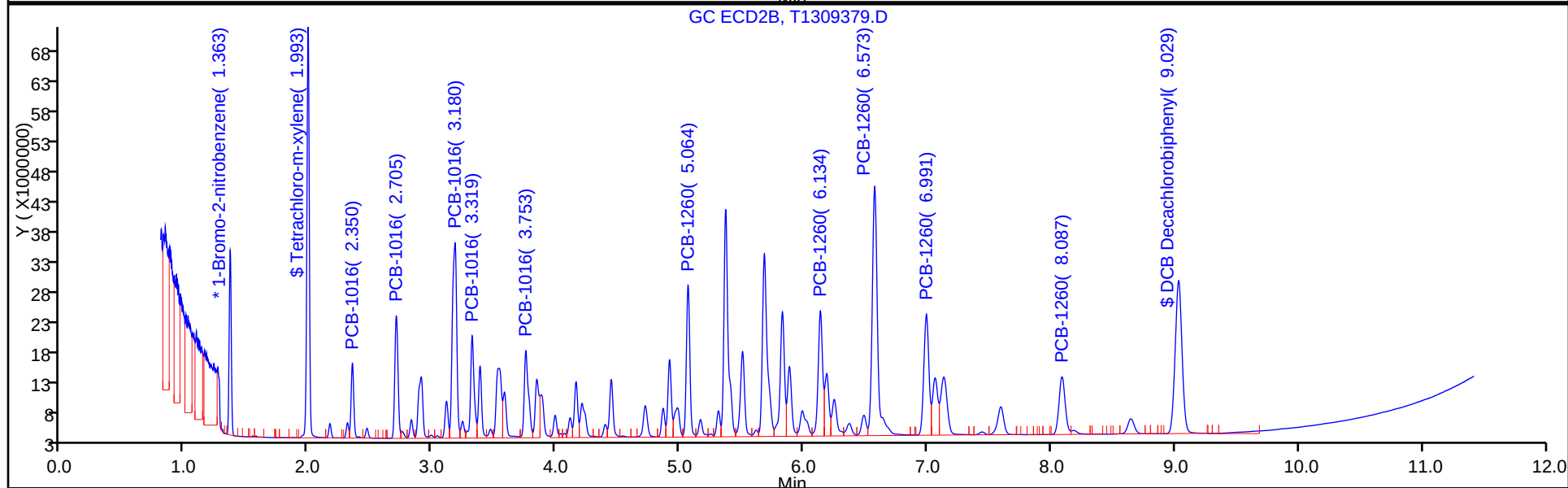
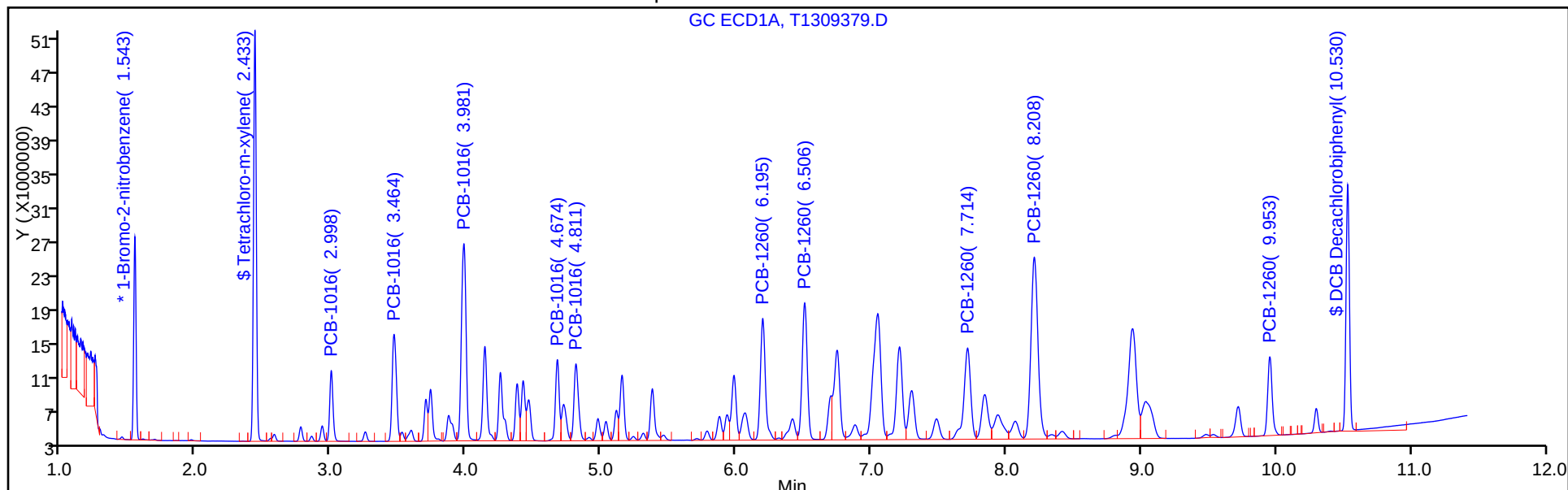
Injection Vol: 1.0 ul

Dil. Factor: 1.0000

ALS Bottle#: 26

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD



TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150915-31789.b\\T1309379.D

Injection Date: 15-Sep-2015 16:48:20

Instrument ID: CPESTGC11

Lims ID: LCS 460-322399/2-A

Client ID:

Operator ID:

ALS Bottle#:

26

Worklist Smp#:

26

Injection Vol: 1.0 ul

Dil. Factor: 1.0000

Method: 8082 ISTD

Limit Group: GC 8082A PCB ISTD

Column:

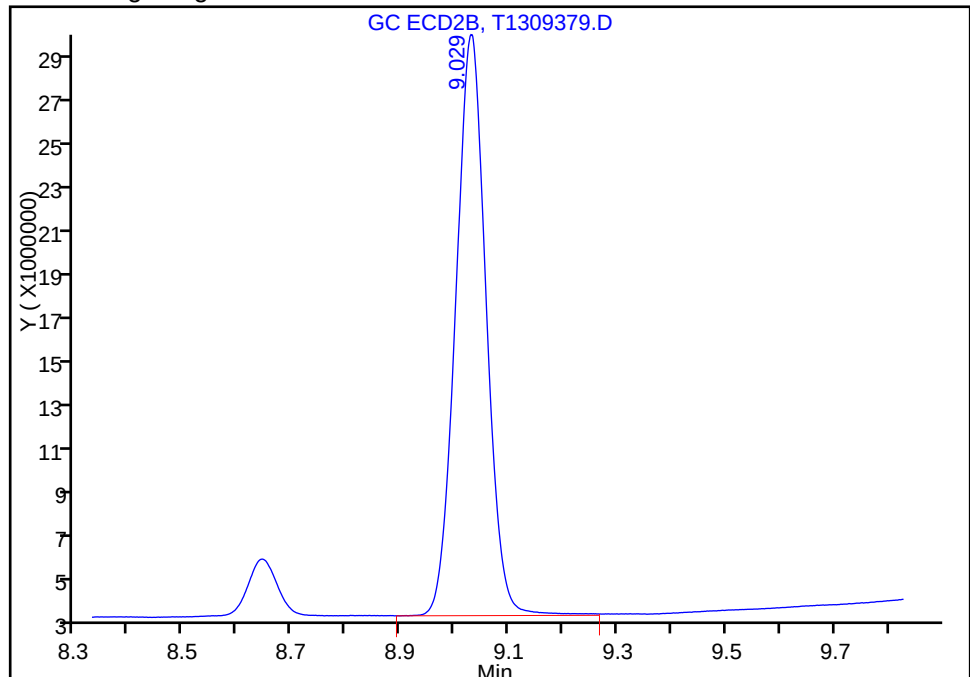
Detector

GC ECD2B

\$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

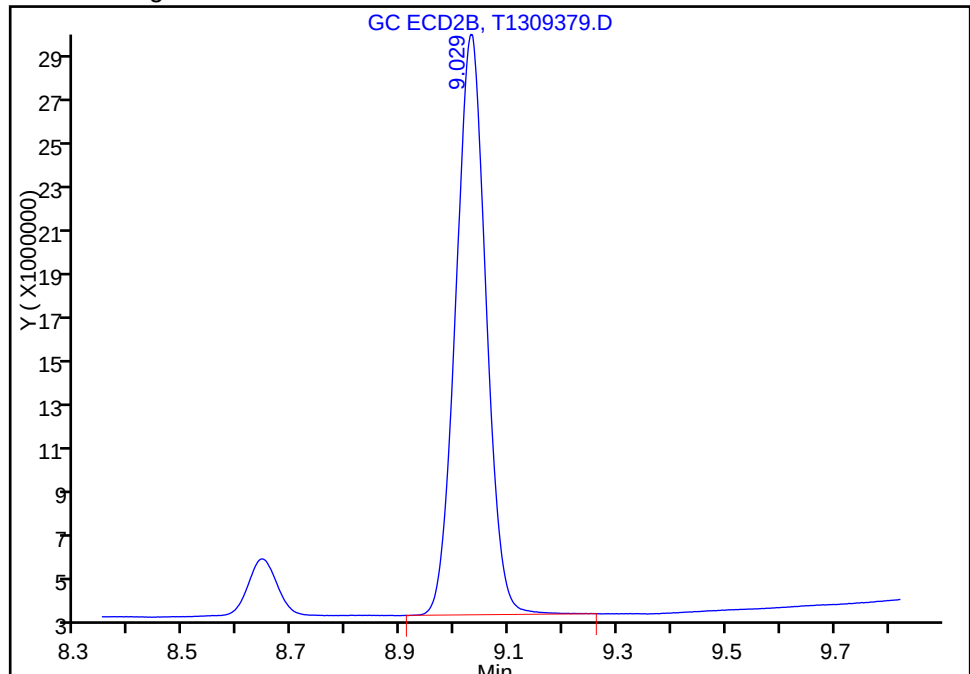
RT: 9.03
Area: 100002483
Amount: 58.296889
Amount Units: ug/l

Processing Integration Results



RT: 9.03
Area: 99193759
Amount: 57.825440
Amount Units: ug/l

Manual Integration Results



Reviewer: boykinc, 15-Sep-2015 22:12:26

Audit Action: Manually Integrated

Audit Reason: Baseline Smoothing

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150915-31789.b\\T1309379.D

Injection Date: 15-Sep-2015 16:48:20

Instrument ID: CPESTGC11

Lims ID: LCS 460-322399/2-A

Client ID:

Operator ID:

ALS Bottle#:

26

Worklist Smp#:

26

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8082 ISTD

Limit Group:

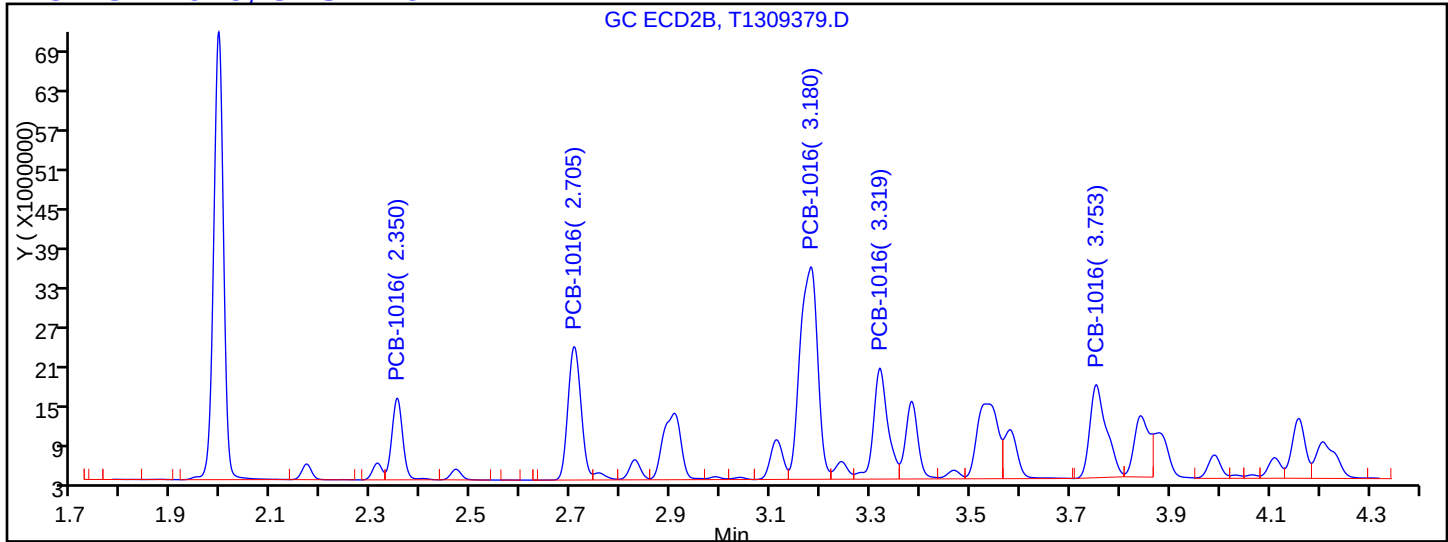
GC 8082A PCB ISTD

Column:

Detector

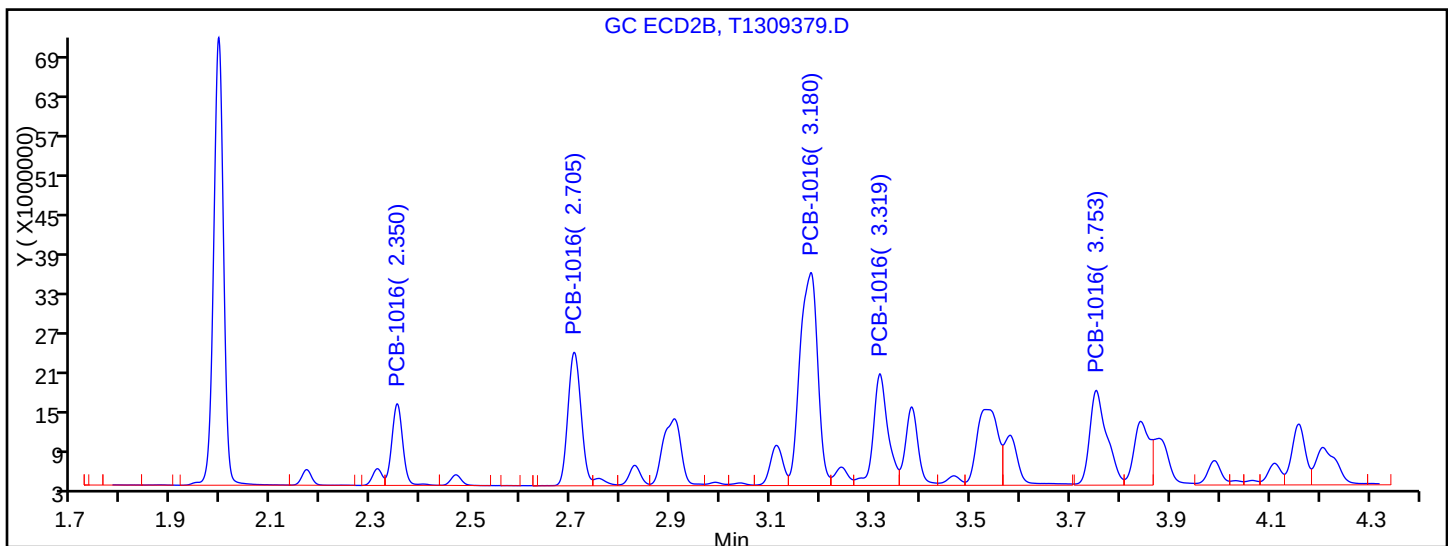
GC ECD2B

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

RT = 2.350	Response = 19106355	
RT = 2.705	Response = 37356891	M
RT = 3.180	Response = 80268240	M
RT = 3.319	Response = 34443864	M
RT = 3.753	Response = 33115455	M



Manual Integration Results

RT = 2.350	Response = 19106355	
RT = 2.705	Response = 37576577	M
RT = 3.180	Response = 80778275	M
RT = 3.319	Response = 35097501	M
RT = 3.753	Response = 34923822	M

Reviewer: boykinc, 15-Sep-2015 22:12:26

Audit Action: Assigned New Baseline

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09/18/2015

Audit Reason: Baseline Smoothing

TestAmerica Edison

Data File: \\ChromNA\\Edison\\ChromData\\CPESTGC11\\20150915-31789.b\\T1309379.D

Injection Date: 15-Sep-2015 16:48:20

Instrument ID: CPESTGC11

Lims ID: LCS 460-322399/2-A

Client ID:

Operator ID:

ALS Bottle#:

26

Worklist Smp#:

26

Injection Vol: 1.0 ul

Dil. Factor:

1.0000

Method: 8082 ISTD

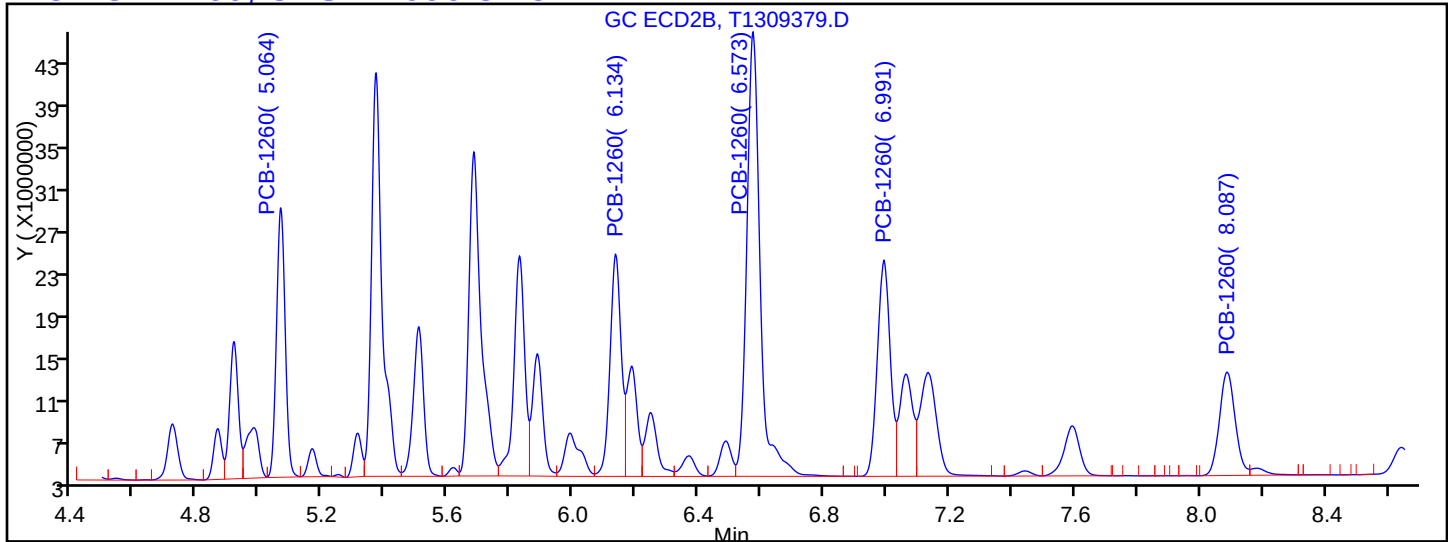
Limit Group:

GC 8082A PCB ISTD

Column:

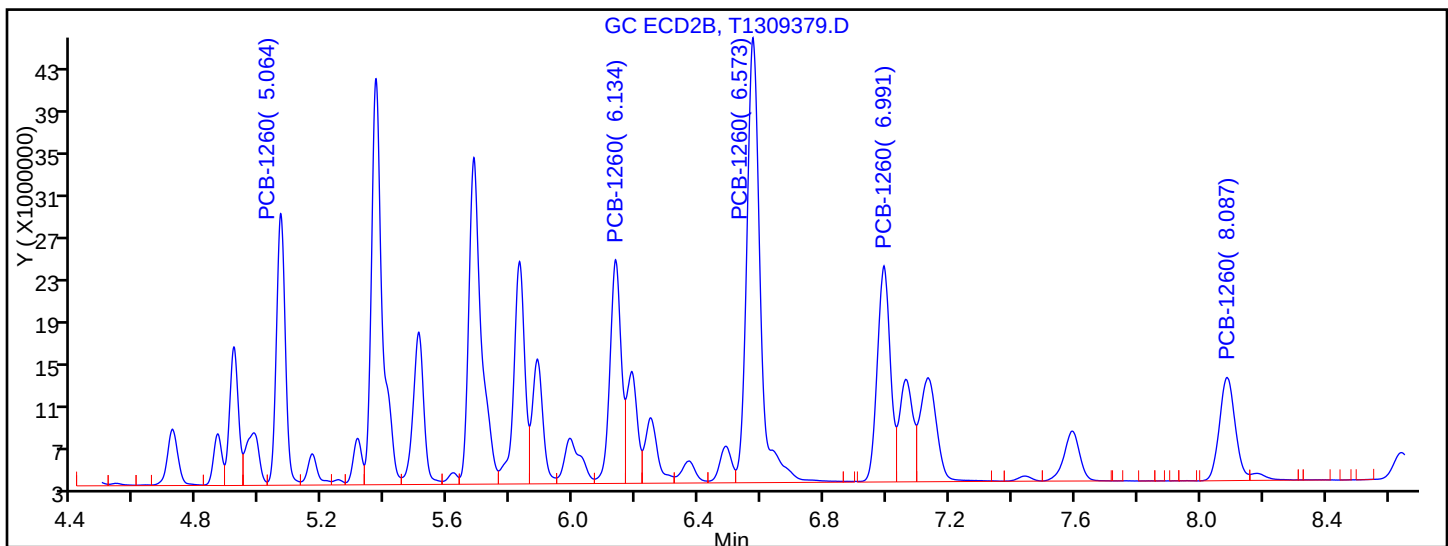
Detector

GC ECD2B

8 PCB-1260, CAS: 11096-82-5

Processing Integration Results

RT = 5.064	Response = 48693768	M
RT = 6.134	Response = 51638090	M
RT = 6.573	Response = 123583537	M
RT = 6.991	Response = 58140521	M
RT = 8.087	Response = 33947883	



Manual Integration Results

RT = 5.064	Response = 50410182	M
RT = 6.134	Response = 52720490	M
RT = 6.573	Response = 125529758	M
RT = 6.991	Response = 58513065	M
RT = 8.087	Response = 33947883	

Reviewer: boykinc, 15-Sep-2015 22:12:26

Audit Action: Assigned New Baseline

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09/18/2015

Audit Reason: Baseline Smoothing

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-1 MS</u>	Lab Sample ID: <u>460-100972-1 MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1309380.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>09/11/2015 08:31</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>09/15/2015 02:35</u>
Sample wt/vol: <u>15.0020(g)</u>	Date Analyzed: <u>09/15/2015 17:02</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>16.8</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322579</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.398		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	0.447		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	0.845		0.080	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	95		30-150
877-09-8	Tetrachloro-m-xylene	96		30-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-1 MS</u>	Lab Sample ID: <u>460-100972-1 MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1309380.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>09/11/2015 08:31</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>09/15/2015 02:35</u>
Sample wt/vol: <u>15.0020(g)</u>	Date Analyzed: <u>09/15/2015 17:02</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>16.8</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322579</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.392		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	0.446		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	0.838		0.080	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	100		30-150
877-09-8	Tetrachloro-m-xylene	96		30-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-1 MSD</u>	Lab Sample ID: <u>460-100972-1 MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1309381.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>09/11/2015 08:31</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>09/15/2015 02:35</u>
Sample wt/vol: <u>15.0059(g)</u>	Date Analyzed: <u>09/15/2015 17:17</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>16.8</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322579</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.474		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	0.529		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	1.00		0.080	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	117		30-150
877-09-8	Tetrachloro-m-xylene	117		30-150

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-100972-1</u>
SDG No.: _____	
Client Sample ID: <u>WC-1 MSD</u>	Lab Sample ID: <u>460-100972-1 MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>T1309381.D</u>
Analysis Method: <u>8082A</u>	Date Collected: <u>09/11/2015 08:31</u>
Extraction Method: <u>3546</u>	Date Extracted: <u>09/15/2015 02:35</u>
Sample wt/vol: <u>15.0059(g)</u>	Date Analyzed: <u>09/15/2015 17:17</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>16.8</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>322579</u>	Units: <u>mg/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.467		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	0.533		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	1.00		0.080	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	124		30-150
877-09-8	Tetrachloro-m-xylene	119		30-150

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-100972-1

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 EdisonJob No.: 460-100972-1

SDG No.: _____

Instrument ID: CPESTGC11Start Date: 09/15/2015 16:19Analysis Batch Number: 322579End Date: 09/16/2015 05:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 460-322579/24		09/15/2015 16:19	1	T1309377.D	CLP-2 0.53 (mm)
CCV 460-322579/24		09/15/2015 16:19	1	T1309377.D	CLP-1 0.53 (mm)
MB 460-322399/1-A		09/15/2015 16:33	1	T1309378.D	CLP-2 0.53 (mm)
MB 460-322399/1-A		09/15/2015 16:33	1	T1309378.D	CLP-1 0.53 (mm)
LCS 460-322399/2-A		09/15/2015 16:48	1	T1309379.D	CLP-2 0.53 (mm)
LCS 460-322399/2-A		09/15/2015 16:48	1	T1309379.D	CLP-1 0.53 (mm)
460-100972-1 MS	WC-1 MS	09/15/2015 17:02	1	T1309380.D	CLP-2 0.53 (mm)
460-100972-1 MS	WC-1 MS	09/15/2015 17:02	1	T1309380.D	CLP-1 0.53 (mm)
460-100972-1 MSD	WC-1 MSD	09/15/2015 17:17	1	T1309381.D	CLP-2 0.53 (mm)
460-100972-1 MSD	WC-1 MSD	09/15/2015 17:17	1	T1309381.D	CLP-1 0.53 (mm)
460-100972-1	WC-1	09/15/2015 17:31	1	T1309382.D	CLP-2 0.53 (mm)
460-100972-1	WC-1	09/15/2015 17:31	1	T1309382.D	CLP-1 0.53 (mm)
460-100972-2	WC-2	09/15/2015 17:46	1	T1309383.D	CLP-2 0.53 (mm)
460-100972-2	WC-2	09/15/2015 17:46	1	T1309383.D	CLP-1 0.53 (mm)
460-100972-3	WC-3	09/15/2015 18:00	1	T1309384.D	CLP-2 0.53 (mm)
460-100972-3	WC-3	09/15/2015 18:00	1	T1309384.D	CLP-1 0.53 (mm)
460-100972-4	WC-4	09/15/2015 18:15	1	T1309385.D	CLP-2 0.53 (mm)
460-100972-4	WC-4	09/15/2015 18:15	1	T1309385.D	CLP-1 0.53 (mm)
460-100972-5	WC-5	09/15/2015 18:30	1	T1309386.D	CLP-2 0.53 (mm)
460-100972-5	WC-5	09/15/2015 18:30	1	T1309386.D	CLP-1 0.53 (mm)
460-100972-6	WC-6	09/15/2015 18:44	1	T1309387.D	CLP-2 0.53 (mm)
460-100972-6	WC-6	09/15/2015 18:44	1	T1309387.D	CLP-1 0.53 (mm)
460-100972-7	WC-7	09/15/2015 18:59	1	T1309388.D	CLP-2 0.53 (mm)
460-100972-7	WC-7	09/15/2015 18:59	1	T1309388.D	CLP-1 0.53 (mm)
460-100972-8	WC-8	09/15/2015 19:13	1	T1309389.D	CLP-2 0.53 (mm)
460-100972-8	WC-8	09/15/2015 19:13	1	T1309389.D	CLP-1 0.53 (mm)
460-100972-9	WC-9	09/15/2015 19:28	1	T1309390.D	CLP-2 0.53 (mm)
460-100972-9	WC-9	09/15/2015 19:28	1	T1309390.D	CLP-1 0.53 (mm)
460-100972-10	WC-10	09/15/2015 19:42	1	T1309391.D	CLP-2 0.53 (mm)
460-100972-10	WC-10	09/15/2015 19:42	1	T1309391.D	CLP-1 0.53 (mm)
460-100972-11	WC-11	09/15/2015 19:57	1	T1309392.D	CLP-2 0.53 (mm)
460-100972-11	WC-11	09/15/2015 19:57	1	T1309392.D	CLP-1 0.53 (mm)
460-100972-12	WC-12	09/15/2015 20:11	1	T1309393.D	CLP-2 0.53 (mm)
460-100972-12	WC-12	09/15/2015 20:11	1	T1309393.D	CLP-1 0.53 (mm)
ZZZZZ		09/15/2015 20:26	1		CLP-2 0.53 (mm)
ZZZZZ		09/15/2015 20:26	1		CLP-1 0.53 (mm)
ZZZZZ		09/15/2015 20:40	1		CLP-2 0.53 (mm)
ZZZZZ		09/15/2015 20:40	1		CLP-1 0.53 (mm)
ZZZZZ		09/15/2015 20:55	1		CLP-2 0.53 (mm)
ZZZZZ		09/15/2015 20:55	1		CLP-1 0.53 (mm)
ZZZZZ		09/15/2015 21:09	1		CLP-2 0.53 (mm)
ZZZZZ		09/15/2015 21:09	1		CLP-1 0.53 (mm)
ZZZZZ		09/15/2015 21:24	1		CLP-2 0.53 (mm)
ZZZZZ		09/15/2015 21:24	1		CLP-1 0.53 (mm)
ZZZZZ		09/15/2015 21:38	1		CLP-2 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-100972-1

SDG No.: _____

Instrument ID: CPESTGC11Start Date: 09/15/2015 16:19Analysis Batch Number: 322579End Date: 09/16/2015 05:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		09/15/2015 21:38	1		CLP-1 0.53 (mm)
460-100972-13	WC-13	09/15/2015 21:53	1	T1309400.D	CLP-2 0.53 (mm)
460-100972-13	WC-13	09/15/2015 21:53	1	T1309400.D	CLP-1 0.53 (mm)
460-100972-14	WC-14	09/15/2015 22:07	1	T1309401.D	CLP-2 0.53 (mm)
460-100972-14	WC-14	09/15/2015 22:07	1	T1309401.D	CLP-1 0.53 (mm)
ZZZZZ		09/15/2015 22:22	1		CLP-2 0.53 (mm)
ZZZZZ		09/15/2015 22:22	1		CLP-1 0.53 (mm)
ZZZZZ		09/15/2015 22:36	1		CLP-2 0.53 (mm)
ZZZZZ		09/15/2015 22:36	1		CLP-1 0.53 (mm)
ZZZZZ		09/15/2015 22:51	1		CLP-2 0.53 (mm)
ZZZZZ		09/15/2015 22:51	1		CLP-1 0.53 (mm)
ZZZZZ		09/15/2015 23:05	1		CLP-2 0.53 (mm)
ZZZZZ		09/15/2015 23:05	1		CLP-1 0.53 (mm)
ZZZZZ		09/15/2015 23:20	1		CLP-2 0.53 (mm)
ZZZZZ		09/15/2015 23:20	1		CLP-1 0.53 (mm)
ZZZZZ		09/15/2015 23:35	1		CLP-2 0.53 (mm)
ZZZZZ		09/15/2015 23:35	1		CLP-1 0.53 (mm)
ZZZZZ		09/15/2015 23:49	1		CLP-2 0.53 (mm)
ZZZZZ		09/15/2015 23:49	1		CLP-1 0.53 (mm)
CCV 460-322579/56		09/16/2015 00:04	1		CLP-2 0.53 (mm)
CCV 460-322579/56		09/16/2015 00:04	1		CLP-1 0.53 (mm)
ZZZZZ		09/16/2015 00:18	1		CLP-2 0.53 (mm)
ZZZZZ		09/16/2015 00:18	1		CLP-1 0.53 (mm)
ZZZZZ		09/16/2015 00:33	1		CLP-2 0.53 (mm)
ZZZZZ		09/16/2015 00:33	1		CLP-1 0.53 (mm)
ZZZZZ		09/16/2015 00:47	1		CLP-2 0.53 (mm)
ZZZZZ		09/16/2015 00:47	1		CLP-1 0.53 (mm)
ZZZZZ		09/16/2015 01:02	1		CLP-2 0.53 (mm)
ZZZZZ		09/16/2015 01:02	1		CLP-1 0.53 (mm)
ZZZZZ		09/16/2015 01:16	1		CLP-2 0.53 (mm)
ZZZZZ		09/16/2015 01:16	1		CLP-1 0.53 (mm)
ZZZZZ		09/16/2015 01:31	1		CLP-2 0.53 (mm)
ZZZZZ		09/16/2015 01:31	1		CLP-1 0.53 (mm)
ZZZZZ		09/16/2015 01:45	1		CLP-2 0.53 (mm)
ZZZZZ		09/16/2015 01:45	1		CLP-1 0.53 (mm)
ZZZZZ		09/16/2015 02:00	1		CLP-2 0.53 (mm)
ZZZZZ		09/16/2015 02:00	1		CLP-1 0.53 (mm)
ZZZZZ		09/16/2015 02:14	1		CLP-2 0.53 (mm)
ZZZZZ		09/16/2015 02:14	1		CLP-1 0.53 (mm)
ZZZZZ		09/16/2015 02:29	1		CLP-2 0.53 (mm)
ZZZZZ		09/16/2015 02:29	1		CLP-1 0.53 (mm)
ZZZZZ		09/16/2015 02:43	1		CLP-2 0.53 (mm)
ZZZZZ		09/16/2015 02:43	1		CLP-1 0.53 (mm)
ZZZZZ		09/16/2015 02:58	1		CLP-2 0.53 (mm)
ZZZZZ		09/16/2015 02:58	1		CLP-1 0.53 (mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Instrument ID: CPESTGC11 Start Date: 09/15/2015 16:19Analysis Batch Number: 322579 End Date: 09/16/2015 05:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		09/16/2015 03:12	1		CLP-2 0.53 (mm)
ZZZZZ		09/16/2015 03:12	1		CLP-1 0.53 (mm)
ZZZZZ		09/16/2015 03:27	1		CLP-2 0.53 (mm)
ZZZZZ		09/16/2015 03:27	1		CLP-1 0.53 (mm)
ZZZZZ		09/16/2015 03:42	1		CLP-2 0.53 (mm)
ZZZZZ		09/16/2015 03:42	1		CLP-1 0.53 (mm)
ZZZZZ		09/16/2015 03:56	1		CLP-2 0.53 (mm)
ZZZZZ		09/16/2015 03:56	1		CLP-1 0.53 (mm)
ZZZZZ		09/16/2015 04:11	1		CLP-2 0.53 (mm)
ZZZZZ		09/16/2015 04:11	1		CLP-1 0.53 (mm)
ZZZZZ		09/16/2015 04:25	1		CLP-2 0.53 (mm)
ZZZZZ		09/16/2015 04:25	1		CLP-1 0.53 (mm)
ZZZZZ		09/16/2015 04:40	1		CLP-2 0.53 (mm)
ZZZZZ		09/16/2015 04:40	1		CLP-1 0.53 (mm)
ZZZZZ		09/16/2015 04:54	1		CLP-2 0.53 (mm)
ZZZZZ		09/16/2015 04:54	1		CLP-1 0.53 (mm)
ZZZZZ		09/16/2015 05:09	1		CLP-2 0.53 (mm)
ZZZZZ		09/16/2015 05:09	1		CLP-1 0.53 (mm)
ZZZZZ		09/16/2015 05:23	1		CLP-2 0.53 (mm)
ZZZZZ		09/16/2015 05:23	1		CLP-1 0.53 (mm)
ZZZZZ		09/16/2015 05:38	1		CLP-2 0.53 (mm)
ZZZZZ		09/16/2015 05:38	1		CLP-1 0.53 (mm)
ZZZZZ		09/16/2015 05:52	1		CLP-2 0.53 (mm)
ZZZZZ		09/16/2015 05:52	1		CLP-1 0.53 (mm)

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Batch Number: 322399 Batch Start Date: 09/15/15 02:35 Batch Analyst: Alinea, Archilles RBatch Method: 3546 Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	OP_PCBSP 00030	OPPSTPCBSURR 00006		
MB 460-322399/1		3546, 8082A		15.0000 g	10 mL		50 uL		
LCS 460-322399/2		3546, 8082A		15.0000 g	10 mL	50 uL	50 uL		
460-100972-A-1 MS	WC-1	3546, 8082A	T	15.0020 g	10 mL	50 uL	50 uL		
460-100972-A-1 MSD	WC-1	3546, 8082A	T	15.0059 g	10 mL	50 uL	50 uL		
460-100972-A-1	WC-1	3546, 8082A	T	15.0046 g	10 mL		50 uL		
460-100972-A-2	WC-2	3546, 8082A	T	15.0060 g	10 mL		50 uL		
460-100972-A-3	WC-3	3546, 8082A	T	15.0099 g	10 mL		50 uL		
460-100972-A-4	WC-4	3546, 8082A	T	15.0017 g	10 mL		50 uL		
460-100972-A-5	WC-5	3546, 8082A	T	15.0300 g	10 mL		50 uL		
460-100972-A-6	WC-6	3546, 8082A	T	15.0225 g	10 mL		50 uL		
460-100972-A-7	WC-7	3546, 8082A	T	15.0087 g	10 mL		50 uL		
460-100972-A-8	WC-8	3546, 8082A	T	15.0066 g	10 mL		50 uL		
460-100972-A-9	WC-9	3546, 8082A	T	15.0090 g	10 mL		50 uL		
460-100972-A-10	WC-10	3546, 8082A	T	15.0225 g	10 mL		50 uL		
460-100972-A-11	WC-11	3546, 8082A	T	15.0182 g	10 mL		50 uL		
460-100972-A-12	WC-12	3546, 8082A	T	15.0088 g	10 mL		50 uL		
460-100972-A-13	WC-13	3546, 8082A	T	15.0019 g	10 mL		50 uL		
460-100972-A-14	WC-14	3546, 8082A	T	15.0331 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.: 460-100972-1

SDG No.: _____

Batch Number: 322399 Batch Start Date: 09/15/15 02:35 Batch Analyst: Alinea, Archilles RBatch Method: 3546 Batch End Date: _____

Batch Notes	
Balance ID	30
Batch Comment	PCB-SOIL
Person's name who did the concentration	archie
Final Concentrator Volume	10 mL
Sulfuric Acid Lot Number	91540 (sw36654) 151225
Hexane Lot#	110187
MeCl2/Acetone Lot #	98847
Microwave Start Time	4am
Microwave Stop Time	4:30am
Na2SO4 Lot Number	433101 (silica sandlot#112456)
Person's name who did the prep	archie
Person who performed Spike	archie
TBA Lot #	op1491
Water Bath Temperature	n-evaptemp.uncorrected 37c

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: 460-100972-1

SDG No.: _____

Project: HW11-191/Princeton

Client Sample ID	Lab Sample ID
WC-1	460-100972-1
WC-2	460-100972-2
WC-3	460-100972-3
WC-4	460-100972-4
WC-5	460-100972-5
WC-6	460-100972-6
WC-7	460-100972-7
WC-8	460-100972-8
WC-9	460-100972-9
WC-10	460-100972-10
WC-11	460-100972-11
WC-12	460-100972-12
WC-13	460-100972-13
WC-14	460-100972-14

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: WC-1

Lab Sample ID: 460-100972-1

Lab Name: TestAmerica Edison

Job No.: 460-100972-1

SDG ID.:

Matrix: Solid

Date Sampled: 09/11/2015 08:31

Reporting Basis: DRY

Date Received: 09/11/2015 11:30

% Solids: 83.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	0.42	2.4	0.42	mg/Kg	U		4	6010C
7440-38-2	Arsenic	9.9	3.6	1.2	mg/Kg			4	6010C
7440-39-3	Barium	265	47.6	1.7	mg/Kg			4	6010C
7440-41-7	Beryllium	1.5	0.48	0.40	mg/Kg			4	6010C
7440-43-9	Cadmium	0.50	0.95	0.50	mg/Kg	U		4	6010C
7440-48-4	Cobalt	14.8	11.9	1.4	mg/Kg			4	6010C
7440-47-3	Chromium	38.8	2.4	1.2	mg/Kg			4	6010C
7440-50-8	Copper	32.8	5.9	1.5	mg/Kg			4	6010C
7439-96-5	Manganese	850	3.6	1.2	mg/Kg			4	6010C
7440-02-0	Nickel	30.5	9.5	1.7	mg/Kg			4	6010C
7439-92-1	Lead	49.7	2.4	0.93	mg/Kg			4	6010C
7440-36-0	Antimony	2.2	4.8	1.9	mg/Kg	J		4	6010C
7782-49-2	Selenium	1.6	4.8	1.6	mg/Kg	U		4	6010C
7440-62-2	Vanadium	47.4	11.9	1.2	mg/Kg			4	6010C
7440-66-6	Zinc	109	7.1	1.7	mg/Kg			4	6010C
7429-90-5	Aluminum	26500	47.6	24.5	mg/Kg			4	6010C
7440-23-5	Sodium	817	1190	80.5	mg/Kg	J		4	6010C
7439-95-4	Magnesium	7460	1190	59.4	mg/Kg			4	6010C
7440-09-7	Potassium	4490	1190	36.0	mg/Kg			4	6010C
7440-70-2	Calcium	11200	1190	70.4	mg/Kg			4	6010C
7439-89-6	Iron	34000	35.7	26.9	mg/Kg			4	6010C
7440-28-0	Thallium	2.1	4.8	2.1	mg/Kg	U		4	6010C
7439-97-6	Mercury	0.086	0.019	0.014	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: WC-2	Lab Sample ID: 460-100972-2
Lab Name: TestAmerica Edison	Job No.: 460-100972-1
SDG ID.:	
Matrix: Solid	Date Sampled: 09/11/2015 08:39
Reporting Basis: DRY	Date Received: 09/11/2015 11:30
% Solids: 83.4	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	0.41	2.3	0.41	mg/Kg	U		4	6010C
7440-38-2	Arsenic	10.2	3.5	1.1	mg/Kg			4	6010C
7440-39-3	Barium	208	46.6	1.7	mg/Kg			4	6010C
7440-41-7	Beryllium	1.2	0.47	0.39	mg/Kg			4	6010C
7440-43-9	Cadmium	0.49	0.93	0.49	mg/Kg	U		4	6010C
7440-48-4	Cobalt	16.6	11.6	1.3	mg/Kg			4	6010C
7440-47-3	Chromium	41.2	2.3	1.1	mg/Kg			4	6010C
7440-50-8	Copper	46.8	5.8	1.5	mg/Kg			4	6010C
7439-96-5	Manganese	831	3.5	1.2	mg/Kg			4	6010C
7440-02-0	Nickel	30.4	9.3	1.7	mg/Kg			4	6010C
7439-92-1	Lead	27.5	2.3	0.91	mg/Kg			4	6010C
7440-36-0	Antimony	1.8	4.7	1.8	mg/Kg	U		4	6010C
7782-49-2	Selenium	1.6	4.7	1.6	mg/Kg	U		4	6010C
7440-62-2	Vanadium	58.7	11.6	1.2	mg/Kg			4	6010C
7440-66-6	Zinc	99.1	7.0	1.7	mg/Kg			4	6010C
7429-90-5	Aluminum	23100	46.6	24.0	mg/Kg			4	6010C
7440-23-5	Sodium	802	1160	78.8	mg/Kg	J		4	6010C
7439-95-4	Magnesium	9210	1160	58.1	mg/Kg			4	6010C
7440-09-7	Potassium	4110	1160	35.3	mg/Kg			4	6010C
7440-70-2	Calcium	20100	1160	68.9	mg/Kg			4	6010C
7439-89-6	Iron	34300	34.9	26.3	mg/Kg			4	6010C
7440-28-0	Thallium	2.1	4.7	2.1	mg/Kg	U		4	6010C
7439-97-6	Mercury	0.076	0.018	0.013	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: WC-3

Lab Sample ID: 460-100972-3

Lab Name: TestAmerica Edison

Job No.: 460-100972-1

SDG ID.:

Matrix: Solid

Date Sampled: 09/11/2015 08:42

Reporting Basis: DRY

Date Received: 09/11/2015 11:30

% Solids: 84.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	0.37	2.1	0.37	mg/Kg	U		4	6010C
7440-38-2	Arsenic	18.8	3.2	1.0	mg/Kg			4	6010C
7440-39-3	Barium	166	42.5	1.5	mg/Kg			4	6010C
7440-41-7	Beryllium	0.49	0.42	0.36	mg/Kg			4	6010C
7440-43-9	Cadmium	0.44	0.85	0.44	mg/Kg	U		4	6010C
7440-48-4	Cobalt	8.6	10.6	1.2	mg/Kg	J		4	6010C
7440-47-3	Chromium	56.6	2.1	1.0	mg/Kg		F1	4	6010C
7440-50-8	Copper	34.8	5.9	1.5	mg/Kg			4	6010C
7439-96-5	Manganese	587	3.2	1.1	mg/Kg			4	6010C
7440-02-0	Nickel	24.8	8.5	1.5	mg/Kg			4	6010C
7439-92-1	Lead	34.5	2.1	0.83	mg/Kg			4	6010C
7440-36-0	Antimony	1.7	4.2	1.7	mg/Kg	U	F1	4	6010C
7782-49-2	Selenium	1.5	4.2	1.5	mg/Kg	U		4	6010C
7440-62-2	Vanadium	35.3	10.6	1.1	mg/Kg			4	6010C
7440-66-6	Zinc	173	6.4	1.5	mg/Kg		F1	4	6010C
7429-90-5	Aluminum	18800	42.5	21.9	mg/Kg			4	6010C
7440-23-5	Sodium	3570	1060	71.9	mg/Kg		F1	4	6010C
7439-95-4	Magnesium	11000	1060	53.0	mg/Kg			4	6010C
7440-09-7	Potassium	4100	1060	32.2	mg/Kg		F1	4	6010C
7440-70-2	Calcium	78300	2650	157	mg/Kg			10	6010C
7439-89-6	Iron	19400	31.8	24.0	mg/Kg			4	6010C
7440-28-0	Thallium	1.9	4.2	1.9	mg/Kg	U		4	6010C
7439-97-6	Mercury	0.18	0.020	0.014	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: WC-4	Lab Sample ID: 460-100972-4
Lab Name: TestAmerica Edison	Job No.: 460-100972-1
SDG ID.:	
Matrix: Solid	Date Sampled: 09/11/2015 09:01
Reporting Basis: DRY	Date Received: 09/11/2015 11:30
% Solids: 83.2	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	0.42	2.4	0.42	mg/Kg	U		4	6010C
7440-38-2	Arsenic	9.9	3.6	1.2	mg/Kg			4	6010C
7440-39-3	Barium	139	48.1	1.7	mg/Kg			4	6010C
7440-41-7	Beryllium	1.0	0.48	0.41	mg/Kg			4	6010C
7440-43-9	Cadmium	0.50	0.96	0.50	mg/Kg	U		4	6010C
7440-48-4	Cobalt	12.5	12.0	1.4	mg/Kg			4	6010C
7440-47-3	Chromium	40.7	2.4	1.2	mg/Kg			4	6010C
7440-50-8	Copper	37.1	6.0	1.6	mg/Kg			4	6010C
7439-96-5	Manganese	438	3.6	1.3	mg/Kg			4	6010C
7440-02-0	Nickel	22.3	9.6	1.8	mg/Kg			4	6010C
7439-92-1	Lead	29.3	2.4	0.94	mg/Kg			4	6010C
7440-36-0	Antimony	1.9	4.8	1.9	mg/Kg	U		4	6010C
7782-49-2	Selenium	1.7	4.8	1.7	mg/Kg	U		4	6010C
7440-62-2	Vanadium	52.8	12.0	1.2	mg/Kg			4	6010C
7440-66-6	Zinc	87.1	7.2	1.8	mg/Kg			4	6010C
7429-90-5	Aluminum	17200	48.1	24.8	mg/Kg			4	6010C
7440-23-5	Sodium	557	1200	81.4	mg/Kg	J		4	6010C
7439-95-4	Magnesium	6200	1200	60.0	mg/Kg			4	6010C
7440-09-7	Potassium	3220	1200	36.4	mg/Kg			4	6010C
7440-70-2	Calcium	21200	1200	71.2	mg/Kg			4	6010C
7439-89-6	Iron	30800	36.1	27.2	mg/Kg			4	6010C
7440-28-0	Thallium	2.1	4.8	2.1	mg/Kg	U		4	6010C
7439-97-6	Mercury	0.15	0.018	0.013	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: WC-5

Lab Sample ID: 460-100972-5

Lab Name: TestAmerica Edison

Job No.: 460-100972-1

SDG ID.:

Matrix: Solid

Date Sampled: 09/11/2015 09:07

Reporting Basis: DRY

Date Received: 09/11/2015 11:30

% Solids: 84.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	0.42	2.4	0.42	mg/Kg	U		4	6010C
7440-38-2	Arsenic	10.1	3.5	1.2	mg/Kg			4	6010C
7440-39-3	Barium	107	47.1	1.7	mg/Kg			4	6010C
7440-41-7	Beryllium	1.1	0.47	0.40	mg/Kg			4	6010C
7440-43-9	Cadmium	0.49	0.94	0.49	mg/Kg	U		4	6010C
7440-48-4	Cobalt	12.4	11.8	1.4	mg/Kg			4	6010C
7440-47-3	Chromium	34.6	2.4	1.1	mg/Kg			4	6010C
7440-50-8	Copper	45.5	5.9	1.5	mg/Kg			4	6010C
7439-96-5	Manganese	519	3.5	1.2	mg/Kg			4	6010C
7440-02-0	Nickel	22.9	9.4	1.7	mg/Kg			4	6010C
7439-92-1	Lead	28.7	2.4	0.92	mg/Kg			4	6010C
7440-36-0	Antimony	1.9	4.7	1.9	mg/Kg	U		4	6010C
7782-49-2	Selenium	1.6	4.7	1.6	mg/Kg	U		4	6010C
7440-62-2	Vanadium	51.7	11.8	1.2	mg/Kg			4	6010C
7440-66-6	Zinc	87.9	7.1	1.7	mg/Kg			4	6010C
7429-90-5	Aluminum	16400	47.1	24.3	mg/Kg			4	6010C
7440-23-5	Sodium	644	1180	79.7	mg/Kg	J		4	6010C
7439-95-4	Magnesium	7290	1180	58.8	mg/Kg			4	6010C
7440-09-7	Potassium	3570	1180	35.7	mg/Kg			4	6010C
7440-70-2	Calcium	18300	1180	69.7	mg/Kg			4	6010C
7439-89-6	Iron	27900	35.3	26.6	mg/Kg			4	6010C
7440-28-0	Thallium	2.1	4.7	2.1	mg/Kg	U		4	6010C
7439-97-6	Mercury	0.15	0.018	0.013	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: WC-6	Lab Sample ID: 460-100972-6
Lab Name: TestAmerica Edison	Job No.: 460-100972-1
SDG ID.:	
Matrix: Solid	Date Sampled: 09/11/2015 09:15
Reporting Basis: DRY	Date Received: 09/11/2015 11:30
% Solids: 80.4	

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	0.43	2.4	0.43	mg/Kg	U		4	6010C
7440-38-2	Arsenic	10.9	3.7	1.2	mg/Kg			4	6010C
7440-39-3	Barium	159	48.8	1.7	mg/Kg			4	6010C
7440-41-7	Beryllium	1.2	0.49	0.41	mg/Kg			4	6010C
7440-43-9	Cadmium	0.51	0.98	0.51	mg/Kg	U		4	6010C
7440-48-4	Cobalt	12.0	12.2	1.4	mg/Kg	J		4	6010C
7440-47-3	Chromium	43.7	2.4	1.2	mg/Kg			4	6010C
7440-50-8	Copper	667	6.1	1.6	mg/Kg			4	6010C
7439-96-5	Manganese	533	3.7	1.3	mg/Kg			4	6010C
7440-02-0	Nickel	27.5	9.8	1.8	mg/Kg			4	6010C
7439-92-1	Lead	33.4	2.4	0.96	mg/Kg			4	6010C
7440-36-0	Antimony	1.9	4.9	1.9	mg/Kg	U		4	6010C
7782-49-2	Selenium	1.7	4.9	1.7	mg/Kg	U		4	6010C
7440-62-2	Vanadium	50.3	12.2	1.2	mg/Kg			4	6010C
7440-66-6	Zinc	155	7.3	1.8	mg/Kg			4	6010C
7429-90-5	Aluminum	19200	48.8	25.1	mg/Kg			4	6010C
7440-23-5	Sodium	1660	1220	82.5	mg/Kg			4	6010C
7439-95-4	Magnesium	9410	1220	60.8	mg/Kg			4	6010C
7440-09-7	Potassium	4310	1220	36.9	mg/Kg			4	6010C
7440-70-2	Calcium	45300	1220	72.2	mg/Kg			4	6010C
7439-89-6	Iron	28900	36.6	27.5	mg/Kg			4	6010C
7440-28-0	Thallium	2.2	4.9	2.2	mg/Kg	U		4	6010C
7439-97-6	Mercury	0.14	0.021	0.015	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: WC-7

Lab Sample ID: 460-100972-7

Lab Name: TestAmerica Edison

Job No.: 460-100972-1

SDG ID.:

Matrix: Solid

Date Sampled: 09/11/2015 09:21

Reporting Basis: DRY

Date Received: 09/11/2015 11:30

% Solids: 81.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	0.42	2.4	0.42	mg/Kg	U		4	6010C
7440-38-2	Arsenic	7.9	3.6	1.2	mg/Kg			4	6010C
7440-39-3	Barium	125	48.0	1.7	mg/Kg			4	6010C
7440-41-7	Beryllium	1.0	0.48	0.41	mg/Kg			4	6010C
7440-43-9	Cadmium	0.50	0.96	0.50	mg/Kg	U		4	6010C
7440-48-4	Cobalt	7.7	12.0	1.4	mg/Kg	J		4	6010C
7440-47-3	Chromium	33.4	2.4	1.2	mg/Kg			4	6010C
7440-50-8	Copper	55.9	6.0	1.6	mg/Kg			4	6010C
7439-96-5	Manganese	406	3.6	1.3	mg/Kg			4	6010C
7440-02-0	Nickel	23.2	9.6	1.8	mg/Kg			4	6010C
7439-92-1	Lead	60.2	2.4	0.94	mg/Kg			4	6010C
7440-36-0	Antimony	1.9	4.8	1.9	mg/Kg	J		4	6010C
7782-49-2	Selenium	1.7	4.8	1.7	mg/Kg	U		4	6010C
7440-62-2	Vanadium	30.4	12.0	1.2	mg/Kg			4	6010C
7440-66-6	Zinc	428	7.2	1.8	mg/Kg			4	6010C
7429-90-5	Aluminum	12100	48.0	24.7	mg/Kg			4	6010C
7440-23-5	Sodium	874	1200	81.3	mg/Kg	J		4	6010C
7439-95-4	Magnesium	11100	1200	59.9	mg/Kg			4	6010C
7440-09-7	Potassium	2150	1200	36.4	mg/Kg			4	6010C
7440-70-2	Calcium	111000	3000	178	mg/Kg			10	6010C
7439-89-6	Iron	14600	36.0	27.1	mg/Kg			4	6010C
7440-28-0	Thallium	2.1	4.8	2.1	mg/Kg	U		4	6010C
7439-97-6	Mercury	0.21	0.019	0.013	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: WC-8

Lab Sample ID: 460-100972-8

Lab Name: TestAmerica Edison

Job No.: 460-100972-1

SDG ID.:

Matrix: Solid

Date Sampled: 09/11/2015 09:38

Reporting Basis: DRY

Date Received: 09/11/2015 11:30

% Solids: 81.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	0.42	2.4	0.42	mg/Kg	U		4	6010C
7440-38-2	Arsenic	7.4	3.6	1.2	mg/Kg			4	6010C
7440-39-3	Barium	125	48.0	1.7	mg/Kg			4	6010C
7440-41-7	Beryllium	0.79	0.48	0.41	mg/Kg			4	6010C
7440-43-9	Cadmium	0.50	0.96	0.50	mg/Kg	U		4	6010C
7440-48-4	Cobalt	14.8	12.0	1.4	mg/Kg			4	6010C
7440-47-3	Chromium	61.2	2.4	1.2	mg/Kg			4	6010C
7440-50-8	Copper	55.4	6.0	1.6	mg/Kg			4	6010C
7439-96-5	Manganese	466	3.6	1.3	mg/Kg			4	6010C
7440-02-0	Nickel	53.0	9.6	1.8	mg/Kg			4	6010C
7439-92-1	Lead	45.6	2.4	0.94	mg/Kg			4	6010C
7440-36-0	Antimony	1.9	4.8	1.9	mg/Kg	U		4	6010C
7782-49-2	Selenium	1.7	4.8	1.7	mg/Kg	U		4	6010C
7440-62-2	Vanadium	46.2	12.0	1.2	mg/Kg			4	6010C
7440-66-6	Zinc	163	7.2	1.8	mg/Kg			4	6010C
7429-90-5	Aluminum	17800	48.0	24.7	mg/Kg			4	6010C
7440-23-5	Sodium	1270	1200	81.3	mg/Kg			4	6010C
7439-95-4	Magnesium	9520	1200	59.9	mg/Kg			4	6010C
7440-09-7	Potassium	2700	1200	36.4	mg/Kg			4	6010C
7440-70-2	Calcium	41200	1200	71.1	mg/Kg			4	6010C
7439-89-6	Iron	29000	36.0	27.1	mg/Kg			4	6010C
7440-28-0	Thallium	2.1	4.8	2.1	mg/Kg	U		4	6010C
7439-97-6	Mercury	0.11	0.020	0.014	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: WC-9

Lab Sample ID: 460-100972-9

Lab Name: TestAmerica Edison

Job No.: 460-100972-1

SDG ID.:

Matrix: Solid

Date Sampled: 09/11/2015 09:42

Reporting Basis: DRY

Date Received: 09/11/2015 11:30

% Solids: 81.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	0.43	2.5	0.43	mg/Kg	U	F1	4	6010C
7440-38-2	Arsenic	10.1	3.7	1.2	mg/Kg			4	6010C
7440-39-3	Barium	116	49.1	1.8	mg/Kg			4	6010C
7440-41-7	Beryllium	0.64	0.49	0.42	mg/Kg			4	6010C
7440-43-9	Cadmium	0.51	0.98	0.51	mg/Kg	U		4	6010C
7440-48-4	Cobalt	6.5	12.3	1.4	mg/Kg	J		4	6010C
7440-47-3	Chromium	43.0	2.5	1.2	mg/Kg			4	6010C
7440-50-8	Copper	37.3	6.1	1.6	mg/Kg			4	6010C
7439-96-5	Manganese	344	3.7	1.3	mg/Kg			4	6010C
7440-02-0	Nickel	20.8	9.8	1.8	mg/Kg			4	6010C
7439-92-1	Lead	42.4	2.5	0.96	mg/Kg			4	6010C
7440-36-0	Antimony	7.7	4.9	1.9	mg/Kg		F1	4	6010C
7782-49-2	Selenium	1.7	4.9	1.7	mg/Kg	U		4	6010C
7440-62-2	Vanadium	35.1	12.3	1.2	mg/Kg		F1	4	6010C
7440-66-6	Zinc	198	7.4	1.8	mg/Kg		F1	4	6010C
7429-90-5	Aluminum	12800	49.1	25.3	mg/Kg			4	6010C
7440-23-5	Sodium	1200	1230	83.0	mg/Kg	J		4	6010C
7439-95-4	Magnesium	7650	1230	61.2	mg/Kg			4	6010C
7440-09-7	Potassium	2120	1230	37.2	mg/Kg			4	6010C
7440-70-2	Calcium	89000	6130	363	mg/Kg			20	6010C
7439-89-6	Iron	16400	36.8	27.7	mg/Kg			4	6010C
7440-28-0	Thallium	2.2	4.9	2.2	mg/Kg	U		4	6010C
7439-97-6	Mercury	0.24	0.019	0.013	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: WC-10

Lab Sample ID: 460-100972-10

Lab Name: TestAmerica Edison

Job No.: 460-100972-1

SDG ID.:

Matrix: Solid

Date Sampled: 09/11/2015 10:01

Reporting Basis: DRY

Date Received: 09/11/2015 11:30

% Solids: 84.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	0.40	2.3	0.40	mg/Kg	U		4	6010C
7440-38-2	Arsenic	12.4	3.4	1.1	mg/Kg			4	6010C
7440-39-3	Barium	147	45.8	1.6	mg/Kg			4	6010C
7440-41-7	Beryllium	1.3	0.46	0.39	mg/Kg			4	6010C
7440-43-9	Cadmium	0.70	0.92	0.48	mg/Kg	J		4	6010C
7440-48-4	Cobalt	12.7	11.4	1.3	mg/Kg			4	6010C
7440-47-3	Chromium	38.4	2.3	1.1	mg/Kg			4	6010C
7440-50-8	Copper	43.1	5.7	1.5	mg/Kg			4	6010C
7439-96-5	Manganese	663	3.4	1.2	mg/Kg			4	6010C
7440-02-0	Nickel	24.6	9.2	1.7	mg/Kg			4	6010C
7439-92-1	Lead	37.0	2.3	0.90	mg/Kg			4	6010C
7440-36-0	Antimony	1.8	4.6	1.8	mg/Kg	U		4	6010C
7782-49-2	Selenium	1.6	4.6	1.6	mg/Kg	U		4	6010C
7440-62-2	Vanadium	61.2	11.4	1.1	mg/Kg			4	6010C
7440-66-6	Zinc	114	6.9	1.7	mg/Kg			4	6010C
7429-90-5	Aluminum	19500	45.8	23.6	mg/Kg			4	6010C
7440-23-5	Sodium	924	1140	77.5	mg/Kg	J		4	6010C
7439-95-4	Magnesium	9360	1140	57.1	mg/Kg			4	6010C
7440-09-7	Potassium	3530	1140	34.7	mg/Kg			4	6010C
7440-70-2	Calcium	36000	1140	67.7	mg/Kg			4	6010C
7439-89-6	Iron	30000	34.3	25.9	mg/Kg			4	6010C
7440-28-0	Thallium	2.0	4.6	2.0	mg/Kg	U		4	6010C
7439-97-6	Mercury	0.27	0.020	0.014	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: WC-11

Lab Sample ID: 460-100972-11

Lab Name: TestAmerica Edison

Job No.: 460-100972-1

SDG ID.:

Matrix: Solid

Date Sampled: 09/11/2015 10:07

Reporting Basis: DRY

Date Received: 09/11/2015 11:30

% Solids: 83.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	0.41	2.3	0.41	mg/Kg	U		4	6010C
7440-38-2	Arsenic	11.5	3.5	1.1	mg/Kg			4	6010C
7440-39-3	Barium	148	46.7	1.7	mg/Kg			4	6010C
7440-41-7	Beryllium	1.1	0.47	0.40	mg/Kg			4	6010C
7440-43-9	Cadmium	0.49	0.93	0.49	mg/Kg	U		4	6010C
7440-48-4	Cobalt	12.5	11.7	1.3	mg/Kg			4	6010C
7440-47-3	Chromium	34.3	2.3	1.1	mg/Kg			4	6010C
7440-50-8	Copper	37.9	5.8	1.5	mg/Kg			4	6010C
7439-96-5	Manganese	693	3.5	1.2	mg/Kg			4	6010C
7440-02-0	Nickel	23.1	9.3	1.7	mg/Kg			4	6010C
7439-92-1	Lead	33.9	2.3	0.92	mg/Kg			4	6010C
7440-36-0	Antimony	1.8	4.7	1.8	mg/Kg	U		4	6010C
7782-49-2	Selenium	1.6	4.7	1.6	mg/Kg	U		4	6010C
7440-62-2	Vanadium	59.0	11.7	1.2	mg/Kg			4	6010C
7440-66-6	Zinc	115	7.0	1.7	mg/Kg			4	6010C
7429-90-5	Aluminum	18200	46.7	24.1	mg/Kg			4	6010C
7440-23-5	Sodium	667	1170	79.1	mg/Kg	J		4	6010C
7439-95-4	Magnesium	7630	1170	58.3	mg/Kg			4	6010C
7440-09-7	Potassium	3290	1170	35.4	mg/Kg			4	6010C
7440-70-2	Calcium	28700	1170	69.2	mg/Kg			4	6010C
7439-89-6	Iron	27700	35.1	26.4	mg/Kg			4	6010C
7440-28-0	Thallium	2.1	4.7	2.1	mg/Kg	U		4	6010C
7439-97-6	Mercury	0.096	0.019	0.014	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: WC-12

Lab Sample ID: 460-100972-12

Lab Name: TestAmerica Edison

Job No.: 460-100972-1

SDG ID.:

Matrix: Solid

Date Sampled: 09/11/2015 10:14

Reporting Basis: DRY

Date Received: 09/11/2015 11:30

% Solids: 84.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	0.40	2.3	0.40	mg/Kg	U		4	6010C
7440-38-2	Arsenic	18.6	3.4	1.1	mg/Kg			4	6010C
7440-39-3	Barium	124	45.4	1.6	mg/Kg			4	6010C
7440-41-7	Beryllium	1.5	0.45	0.38	mg/Kg			4	6010C
7440-43-9	Cadmium	0.47	0.91	0.47	mg/Kg	U		4	6010C
7440-48-4	Cobalt	12.9	11.3	1.3	mg/Kg			4	6010C
7440-47-3	Chromium	56.0	2.3	1.1	mg/Kg			4	6010C
7440-50-8	Copper	38.2	5.7	1.5	mg/Kg			4	6010C
7439-96-5	Manganese	402	3.4	1.2	mg/Kg			4	6010C
7440-02-0	Nickel	27.6	9.1	1.7	mg/Kg			4	6010C
7439-92-1	Lead	29.1	2.3	0.89	mg/Kg			4	6010C
7440-36-0	Antimony	1.8	4.5	1.8	mg/Kg	U		4	6010C
7782-49-2	Selenium	1.6	4.5	1.6	mg/Kg	U		4	6010C
7440-62-2	Vanadium	74.4	11.3	1.1	mg/Kg			4	6010C
7440-66-6	Zinc	101	6.8	1.7	mg/Kg			4	6010C
7429-90-5	Aluminum	19400	45.4	23.4	mg/Kg			4	6010C
7440-23-5	Sodium	476	1130	76.8	mg/Kg	J		4	6010C
7439-95-4	Magnesium	7420	1130	56.6	mg/Kg			4	6010C
7440-09-7	Potassium	4040	1130	34.4	mg/Kg			4	6010C
7440-70-2	Calcium	17400	1130	67.2	mg/Kg			4	6010C
7439-89-6	Iron	39400	34.0	25.6	mg/Kg			4	6010C
7440-28-0	Thallium	2.0	4.5	2.0	mg/Kg	U		4	6010C
7439-97-6	Mercury	0.14	0.019	0.013	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: WC-13

Lab Sample ID: 460-100972-13

Lab Name: TestAmerica Edison

Job No.: 460-100972-1

SDG ID.:

Matrix: Solid

Date Sampled: 09/11/2015 10:30

Reporting Basis: DRY

Date Received: 09/11/2015 11:30

% Solids: 87.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	0.39	2.2	0.39	mg/Kg	U		4	6010C
7440-38-2	Arsenic	14.0	3.3	1.1	mg/Kg			4	6010C
7440-39-3	Barium	77.4	44.4	1.6	mg/Kg			4	6010C
7440-41-7	Beryllium	1.1	0.44	0.38	mg/Kg			4	6010C
7440-43-9	Cadmium	0.46	0.89	0.46	mg/Kg	U		4	6010C
7440-48-4	Cobalt	16.2	11.1	1.3	mg/Kg			4	6010C
7440-47-3	Chromium	38.9	2.2	1.1	mg/Kg			4	6010C
7440-50-8	Copper	56.2	5.5	1.4	mg/Kg			4	6010C
7439-96-5	Manganese	503	3.3	1.2	mg/Kg			4	6010C
7440-02-0	Nickel	27.0	8.9	1.6	mg/Kg			4	6010C
7439-92-1	Lead	21.3	2.2	0.87	mg/Kg			4	6010C
7440-36-0	Antimony	1.8	4.4	1.8	mg/Kg	U		4	6010C
7782-49-2	Selenium	1.5	4.4	1.5	mg/Kg	U		4	6010C
7440-62-2	Vanadium	67.9	11.1	1.1	mg/Kg			4	6010C
7440-66-6	Zinc	80.0	6.7	1.6	mg/Kg			4	6010C
7429-90-5	Aluminum	16100	44.4	22.9	mg/Kg			4	6010C
7440-23-5	Sodium	916	1110	75.1	mg/Kg	J		4	6010C
7439-95-4	Magnesium	9490	1110	55.4	mg/Kg			4	6010C
7440-09-7	Potassium	3370	1110	33.6	mg/Kg			4	6010C
7440-70-2	Calcium	14400	1110	65.7	mg/Kg			4	6010C
7439-89-6	Iron	33400	33.3	25.1	mg/Kg			4	6010C
7440-28-0	Thallium	2.0	4.4	2.0	mg/Kg	U		4	6010C
7439-97-6	Mercury	0.061	0.017	0.012	mg/Kg			1	7471B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: WC-14

Lab Sample ID: 460-100972-14

Lab Name: TestAmerica Edison

Job No.: 460-100972-1

SDG ID.:

Matrix: Solid

Date Sampled: 09/11/2015 10:37

Reporting Basis: DRY

Date Received: 09/11/2015 11:30

% Solids: 83.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-22-4	Silver	0.41	2.3	0.41	mg/Kg	U		4	6010C
7440-38-2	Arsenic	11.5	3.5	1.1	mg/Kg			4	6010C
7440-39-3	Barium	124	46.8	1.7	mg/Kg			4	6010C
7440-41-7	Beryllium	1.1	0.47	0.40	mg/Kg			4	6010C
7440-43-9	Cadmium	0.49	0.94	0.49	mg/Kg	U		4	6010C
7440-48-4	Cobalt	12.5	11.7	1.3	mg/Kg			4	6010C
7440-47-3	Chromium	36.8	2.3	1.1	mg/Kg			4	6010C
7440-50-8	Copper	52.6	5.8	1.5	mg/Kg			4	6010C
7439-96-5	Manganese	561	3.5	1.2	mg/Kg			4	6010C
7440-02-0	Nickel	23.5	9.4	1.7	mg/Kg			4	6010C
7439-92-1	Lead	30.8	2.3	0.92	mg/Kg			4	6010C
7440-36-0	Antimony	1.8	4.7	1.8	mg/Kg	U		4	6010C
7782-49-2	Selenium	1.6	4.7	1.6	mg/Kg	U		4	6010C
7440-62-2	Vanadium	55.0	11.7	1.2	mg/Kg			4	6010C
7440-66-6	Zinc	128	7.0	1.7	mg/Kg			4	6010C
7429-90-5	Aluminum	17200	46.8	24.1	mg/Kg			4	6010C
7440-23-5	Sodium	786	1170	79.1	mg/Kg	J		4	6010C
7439-95-4	Magnesium	8450	1170	58.3	mg/Kg			4	6010C
7440-09-7	Potassium	3460	1170	35.4	mg/Kg			4	6010C
7440-70-2	Calcium	26000	1170	69.2	mg/Kg			4	6010C
7439-89-6	Iron	29200	35.1	26.4	mg/Kg			4	6010C
7440-28-0	Thallium	2.1	4.7	2.1	mg/Kg	U		4	6010C
7439-97-6	Mercury	0.14	0.019	0.014	mg/Kg			1	7471B

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Edison

Job No.: 460-100972-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00143

Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00143

Analyte	ICV 460-322199/7 09/13/2015 10:27				CCV 460-322199/98 09/13/2015 16:14				CCV 460-322199/111 09/13/2015 17:02			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	123900		125000	99	123400		125000	99	124500		125000	100
Antimony	996.0		1000	100	985.0		1000	99	988.4		1000	99
Arsenic	2495		2500	100	2481		2500	99	2470		2500	99
Barium	10180		10000	102	10180		10000	102	10260		10000	103
Beryllium	1019		1000	102	1011		1000	101	1016		1000	102
Cadmium	1262		1250	101	1255		1250	100	1260		1250	101
Calcium	125100		125000	100	123200		125000	99	124400		125000	100
Chromium	5042		5000	101	4959		5000	99	4998		5000	100
Cobalt	2528		2500	101	2536		2500	101	2552		2500	102
Iron	101000		100000	101	99700		100000	100	100300		100000	100
Lead	7589		7500	101	7610		7500	101	7638		7500	102
Magnesium	124900		125000	100	124100		125000	99	124900		125000	100
Manganese	5098		5000	102	5087		5000	102	5114		5000	102
Nickel	2541		2500	102	2552		2500	102	2566		2500	103
Potassium	49550		50000	99	50060		50000	100	50400		50000	101
Selenium	2487		2500	99	2480		2500	99	2477		2500	99
Silver	1236		1250	99	1216		1250	97	1226		1250	98
Sodium	124600		125000	100	126200		125000	101	127200		125000	102
Thallium	2562		2500	102	2544		2500	102	2569		2500	103
Vanadium	2521		2500	101	2520		2500	101	2535		2500	101
Zinc	2540		2500	102	2526		2500	101	2544		2500	102
<i>Cu</i>	12420		12500	99	12250		12500	98	12320		12500	99

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.: 460-100972-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00143 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00143

Analyte	CCV 460-322199/124 09/13/2015 17:51				CCV 460-322199/137 09/13/2015 18:39				CCV 460-322199/163 09/13/2015 20:20			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	124700		125000	100	124500		125000	100	124400		125000	100
Antimony	992.2		1000	99	988.3		1000	99	987.9		1000	99
Arsenic	2476		2500	99	2471		2500	99	2474		2500	99
Barium	10280		10000	103	10270		10000	103	10240		10000	102
Beryllium	1019		1000	102	1015		1000	102	1007		1000	101
Cadmium	1264		1250	101	1261		1250	101	1256		1250	100
Calcium	124300		125000	99	123800		125000	99	123200		125000	99
Chromium	5004		5000	100	4980		5000	100	4951		5000	99
Cobalt	2561		2500	102	2559		2500	102	2552		2500	102
Iron	100300		100000	100	100100		100000	100	99590		100000	100
Lead	7653		7500	102	7664		7500	102	7657		7500	102
Magnesium	125600		125000	100	125300		125000	100	124300		125000	99
Manganese	5131		5000	103	5124		5000	102	5099		5000	102
Nickel	2574		2500	103	2572		2500	103	2566		2500	103
Potassium	50570		50000	101	50520		50000	101	50560		50000	101
Selenium	2500		2500	100	2500		2500	100	2522		2500	101
Silver	1223		1250	98	1219		1250	98	1216		1250	97
Sodium	127600		125000	102	127300		125000	102	127400		125000	102
Thallium	2573		2500	103	2567		2500	103	2558		2500	102
Vanadium	2532		2500	101	2532		2500	101	2533		2500	101
Zinc	2537		2500	101	2521		2500	101	2510		2500	100
<i>Cu</i>	12340		12500	99	12300		12500	98	12250		12500	98

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.: 460-100972-1

SDG No.: _____

ICV Source: ME_CCv_DUO_00143

Concentration Units: ug/L

CCV Source: ME_CCv_DUO_00143

Analyte	CCV 460-322199/176 09/13/2015 21:08				CCV 460-322199/189 09/13/2015 21:56				CCV 460-322199/215 09/13/2015 23:34			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	124800		125000	100	124600		125000	100	124900		125000	100
Antimony	979.5		1000	98	987.7		1000	99	968.5		1000	97
Arsenic	2469		2500	99	2492		2500	100	2464		2500	99
Barium	10250		10000	103	10250		10000	103	10220		10000	102
Beryllium	1009		1000	101	1009		1000	101	1007		1000	101
Cadmium	1259		1250	101	1259		1250	101	1256		1250	100
Calcium	124200		125000	99	122200		125000	98	122500		125000	98
Chromium	4977		5000	100	4920		5000	98	4906		5000	98
Cobalt	2553		2500	102	2556		2500	102	2551		2500	102
Iron	100200		100000	100	99060		100000	99	99070		100000	99
Lead	7689		7500	103	7676		7500	102	7705		7500	103
Magnesium	125000		125000	100	123800		125000	99	124500		125000	100
Manganese	5124		5000	102	5089		5000	102	5107		5000	102
Nickel	2572		2500	103	2573		2500	103	2571		2500	103
Potassium	50610		50000	101	50750		50000	102	51010		50000	102
Selenium	2488		2500	100	2534		2500	101	2509		2500	100
Silver	1222		1250	98	1216		1250	97	1205		1250	96
Sodium	127900		125000	102	128000		125000	102	129000		125000	103
Thallium	2561		2500	102	2549		2500	102	2549		2500	102
Vanadium	2542		2500	102	2532		2500	101	2531		2500	101
Zinc	2540		2500	102	2499		2500	100	2498		2500	100
<i>Cu</i>	12260		12500	98	12300		12500	98	12140		12500	97

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.: 460-100972-1

SDG No.: _____

ICV Source: ME_CCv_DUO_00143 Concentration Units: ug/L

CCV Source: ME_CCv_DUO_00143

Analyte	CCV 460-322199/228 09/14/2015 00:22											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	125400		125000	100								
Antimony	981.6		1000	98								
Arsenic	2474		2500	99								
Barium	10310		10000	103								
Beryllium	1009		1000	101								
Cadmium	1269		1250	102								
Calcium	123200		125000	99								
Chromium	4930		5000	99								
Cobalt	2580		2500	103								
Iron	99270		100000	99								
Lead	7800		7500	104								
Magnesium	125800		125000	101								
Manganese	5132		5000	103								
Nickel	2602		2500	104								
Potassium	51380		50000	103								
Selenium	2539		2500	102								
Silver	1213		1250	97								
Sodium	129400		125000	104								
Thallium	2567		2500	103								
Vanadium	2542		2500	102								
Zinc	2506		2500	100								
<i>Cu</i>	12260		12500	98								

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.: 460-100972-1

SDG No.: _____

ICV Source: ME_Call_6010C_00042

Concentration Units: ug/L

CCV Source: ME_Call_6010C_00042

Analyte	ICVL 460-322199/9 09/13/2015 10:35				CCVL 460-322199/100 09/13/2015 16:21				CCVL 460-322199/113 09/13/2015 17:10			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	190.1	J	200	95	190.3	J	200	95	184.1	J	200	92
Antimony	17.16	J	20.0	86	15.69	J	20.0	78	17.66	J	20.0	88
Arsenic	15.76		15.0	105	13.81	J	15.0	92	14.78	J	15.0	99
Barium	200.1		200	100	198.8	J	200	99	202.8		200	101
Beryllium	1.92	J	2.00	96	1.99	J	2.00	99	1.91	J	2.00	96
Cadmium	3.90	J	4.00	98	3.99	J	4.00	100	3.84	J	4.00	96
Calcium	4721	J	5000	94	4689	J	5000	94	4791	J	5000	96
Chromium	9.46	J	10.0	95	9.58	J	10.0	96	9.67	J	10.0	97
Cobalt	50.25		50.0	101	50.14		50.0	100	51.41		50.0	103
Iron	150.2		150	100	149.8	J	150	100	152.5		150	102
Lead	11.13		10.0	111	11.46		10.0	115	11.41		10.0	114
Magnesium	4782	J	5000	96	4780	J	5000	96	4893	J	5000	98
Manganese	15.15		15.0	101	15.10		15.0	101	15.34		15.0	102
Nickel	40.47		40.0	101	40.84		40.0	102	41.20		40.0	103
Potassium	4661	J	5000	93	4717	J	5000	94	4816	J	5000	96
Selenium	19.57	J	20.0	98	21.04		20.0	105	22.39		20.0	112
Silver	9.28	J	10.0	93	9.13	J	10.0	91	9.43	J	10.0	94
Sodium	4767	J	5000	95	4799	J	5000	96	4892	J	5000	98
Thallium	23.70		20.0	119	22.49		20.0	112	23.12		20.0	116
Vanadium	48.28	J	50.0	97	47.29	J	50.0	95	48.77	J	50.0	98
Zinc	29.42	J	30.0	98	29.20	J	30.0	97	29.89	J	30.0	100
<i>Cu</i>	23.33	J	25.0	93	23.55	J	25.0	94	24.11	J	25.0	96

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.: 460-100972-1

SDG No.: _____

ICV Source: ME_Call_6010C_00042

Concentration Units: ug/L

CCV Source: ME_Call_6010C_00042

Analyte	CCVL 460-322199/126 09/13/2015 17:58				CCVL 460-322199/139 09/13/2015 18:47				CCVL 460-322199/165 09/13/2015 20:28			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	195.6	J	200	98	247.9		200	124	184.4	J	200	92
Antimony	17.04	J	20.0	85	17.03	J	20.0	85	17.98	J	20.0	90
Arsenic	14.29	J	15.0	95	13.96	J	15.0	93	14.11	J	15.0	94
Barium	202.9		200	101	203.3		200	102	197.8	J	200	99
Beryllium	2.05		2.00	103					1.99	J	2.00	100
Cadmium	3.98	J	4.00	100	4.02		4.00	101	3.85	J	4.00	96
Calcium	4757	J	5000	95	4703	J	5000	94	4656	J	5000	93
Chromium	9.43	J	10.0	94	9.62	J	10.0	96	9.37	J	10.0	94
Cobalt	51.37		50.0	103	51.31		50.0	103	50.17		50.0	100
Iron	150.6		150	100	151.6		150	101	161.2		150	107
Lead	11.61		10.0	116	10.31		10.0	103	11.93		10.0	119
Magnesium	4894	J	5000	98	4853	J	5000	97	4780	J	5000	96
Manganese	15.36		15.0	102	15.36		15.0	102	15.15		15.0	101
Nickel	42.62		40.0	107	42.01		40.0	105	41.31		40.0	103
Potassium	4835	J	5000	97	4834	J	5000	97	4756	J	5000	95
Selenium	20.01		20.0	100	22.17		20.0	111	18.21	J	20.0	91
Silver	9.10	J	10.0	91	9.77	J	10.0	98	8.60	J	10.0	86
Sodium	4895	J	5000	98	5038		5000	101	4810	J	5000	96
Thallium	22.22		20.0	111	21.42		20.0	107	21.78		20.0	109
Vanadium	48.29	J	50.0	97	48.32	J	50.0	97	47.43	J	50.0	95
Zinc	29.68	J	30.0	99	29.48	J	30.0	98	29.15	J	30.0	97
<i>Cu</i>	23.95	J	25.0	96	24.48	J	25.0	98	24.17	J	25.0	97

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.: 460-100972-1

SDG No.: _____

ICV Source: ME_Call_6010C_00042

Concentration Units: ug/L

CCV Source: ME_Call_6010C_00042

Analyte	CCVL 460-322199/178 09/13/2015 21:16				CCVL 460-322199/191 09/13/2015 22:04				CCVL 460-322199/217 09/13/2015 23:41			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	181.9	J	200	91	175.3	J	200	88	226.5		200	113
Antimony	16.29	J	20.0	81	18.47	J	20.0	92	16.67	J	20.0	83
Arsenic	14.22	J	15.0	95	13.45	J	15.0	90	12.93	J	15.0	86
Barium	199.5	J	200	100	197.6	J	200	99	203.2		200	102
Beryllium	1.88	J	2.00	94	1.93	J	2.00	97	2.25		2.00	112
Cadmium	3.79	J	4.00	95	3.90	J	4.00	98	4.53		4.00	113
Calcium	4646	J	5000	93	4652	J	5000	93	4669	J	5000	93
Chromium	9.19	J	10.0	92	9.14	J	10.0	91	9.83	J	10.0	98
Cobalt	50.51		50.0	101	50.39		50.0	101	51.84		50.0	104
Iron	160.2		150	107	153.3		150	102				
Lead	10.95		10.0	110	9.70	J	10.0	97				
Magnesium	4768	J	5000	95	4764	J	5000	95	4843	J	5000	97
Manganese	15.17		15.0	101	15.02		15.0	100	16.58		15.0	111
Nickel	41.22		40.0	103	40.56		40.0	101	41.97		40.0	105
Potassium	4783	J	5000	96	4771	J	5000	95	4818	J	5000	96
Selenium	24.17		20.0	121	18.81	J	20.0	94	19.77	J	20.0	99
Silver	9.30	J	10.0	93	9.15	J	10.0	91	8.84	J	10.0	88
Sodium	4837	J	5000	97	4799	J	5000	96	4909	J	5000	98
Thallium	21.44		20.0	107	21.66		20.0	108	23.51		20.0	118
Vanadium	47.88	J	50.0	96	48.06	J	50.0	96	48.42	J	50.0	97
Zinc	29.47	J	30.0	98	29.14	J	30.0	97	30.02		30.0	100
<i>Cu</i>	23.78	J	25.0	95	24.07	J	25.0	96	26.72		25.0	107

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.: 460-100972-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00142

Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00142

Analyte	ICV 460-322700/7 09/15/2015 16:09				CCV 460-322700/20 09/15/2015 16:59				CCV 460-322700/33 09/15/2015 17:47			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	127400		125000	102	124500		125000	100	124900		125000	100
Antimony	1013		1000	101	982.3		1000	98	992.7		1000	99
Arsenic	2540		2500	102	2478		2500	99	2485		2500	99
Barium	10340		10000	103	10090		10000	101	10110		10000	101
Beryllium	1031		1000	103	1008		1000	101	1012		1000	101
Cadmium	1291		1250	103	1265		1250	101	1264		1250	101
Calcium	127500		125000	102	124600		125000	100	124800		125000	100
Chromium	5125		5000	103	4995		5000	100	5009		5000	100
Cobalt	2579		2500	103	2519		2500	101	2524		2500	101
Copper	12690		12500	102	12340		12500	99	12380		12500	99
Iron	102900		100000	103	100600		100000	101	100800		100000	101
Lead	7675		7500	102	7530		7500	100	7503		7500	100
Magnesium	127100		125000	102	124300		125000	99	124600		125000	100
Manganese	5175		5000	104	5071		5000	101	5080		5000	102
Nickel	2585		2500	103	2527		2500	101	2529		2500	101
Potassium	50680		50000	101	49560		50000	99	49770		50000	100
Selenium	2574		2500	103	2505		2500	100	2510		2500	100
Silver	1263		1250	101	1230		1250	98	1232		1250	99
Sodium	128200		125000	103	125700		125000	101	125700		125000	101
Thallium	2628		2500	105	2561		2500	102	2552		2500	102
Vanadium	2555		2500	102	2495		2500	100	2501		2500	100
Zinc	2576		2500	103	2534		2500	101	2518		2500	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.: 460-100972-1

SDG No.: _____

ICV Source: ME_CCv_DUO_00142 Concentration Units: ug/L

CCV Source: ME_CCv_DUO_00142

Analyte	CCV 460-322700/46 09/15/2015 18:35				CCV 460-322700/59 09/15/2015 19:23				CCV 460-322700/85 09/15/2015 21:02			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	125600		125000	100	125900		125000	101	125500		125000	100
Antimony	998.6		1000	100	994.4		1000	99	1003		1000	100
Arsenic	2520		2500	101	2512		2500	100	2523		2500	101
Barium	10200		10000	102	10220		10000	102	10200		10000	102
Beryllium	1018		1000	102	1022		1000	102	1022		1000	102
Cadmium	1276		1250	102	1280		1250	102	1270		1250	102
Calcium	125600		125000	100	127000		125000	102	124800		125000	100
Chromium	5039		5000	101	5087		5000	102	5041		5000	101
Cobalt	2543		2500	102	2544		2500	102	2535		2500	101
Copper	12440		12500	100	12440		12500	100	12520		12500	100
Iron	101500		100000	102	102100		100000	102	101100		100000	101
Lead	7588		7500	101	7602		7500	101	7545		7500	101
Magnesium	125200		125000	100	127000		125000	102	125000		125000	100
Manganese	5130		5000	103	5148		5000	103	5079		5000	102
Nickel	2552		2500	102	2559		2500	102	2547		2500	102
Potassium	50050		50000	100	50310		50000	101	50380		50000	101
Selenium	2544		2500	102	2517		2500	101	2537		2500	101
Silver	1240		1250	99	1241		1250	99	1241		1250	99
Sodium	126400		125000	101	126400		125000	101	127700		125000	102
Thallium	2586		2500	103	2594		2500	104	2576		2500	103
Vanadium	2518		2500	101	2527		2500	101	2520		2500	101
Zinc	2546		2500	102	2570		2500	103	2544		2500	102

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.: 460-100972-1

SDG No.: _____

ICV Source: ME_CCV_DUO_00142 Concentration Units: ug/L

CCV Source: ME_CCV_DUO_00142

Analyte	CCV 460-322700/98 09/15/2015 21:50											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	125000		125000	100								
Antimony	995.4		1000	100								
Arsenic	2504		2500	100								
Barium	10200		10000	102								
Beryllium	1018		1000	102								
Cadmium	1270		1250	102								
Calcium	125300		125000	100								
Chromium	5057		5000	101								
Cobalt	2531		2500	101								
Copper	12480		12500	100								
Iron	101200		100000	101								
Lead	7539		7500	101								
Magnesium	125700		125000	101								
Manganese	5062		5000	101								
Nickel	2547		2500	102								
Potassium	50300		50000	101								
Selenium	2498		2500	100								
Silver	1230		1250	98								
Sodium	128000		125000	102								
Thallium	2573		2500	103								
Vanadium	2518		2500	101								
Zinc	2569		2500	103								

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.: 460-100972-1

SDG No.: _____

ICV Source: ME_Cal2_BC_00007

Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00007

Analyte	ICVL 460-322700/9 09/15/2015 16:17				CCVL 460-322700/22 09/15/2015 17:06				CCVL 460-322700/35 09/15/2015 17:54			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	239.1		200	120	231.0		200	116	234.1		200	117
Antimony	18.84	J	20.0	94	20.05		20.0	100	19.22	J	20.0	96
Arsenic	18.18		15.0	121	17.41		15.0	116	18.20		15.0	121
Barium	215.2		200	108	216.9		200	108	216.8		200	108
Beryllium	2.11		2.00	106	2.20		2.00	110	2.06		2.00	103
Cadmium	4.50		4.00	113	4.50		4.00	113	4.34		4.00	108
Calcium	5110		5000	102	5142		5000	103	5089		5000	102
Chromium	12.23		10.0	122	11.20		10.0	112	11.11		10.0	111
Cobalt	54.26		50.0	109	54.68		50.0	109	54.68		50.0	109
Copper	29.40		25.0	118	26.45		25.0	106	25.97		25.0	104
Iron	177.6		150	118	171.9		150	115	164.5		150	110
Lead	11.09		10.0	111	9.02	J	10.0	90	10.02		10.0	100
Magnesium	5162		5000	103	5191		5000	104	5174		5000	103
Manganese	18.46		15.0	123	17.51		15.0	117	17.17		15.0	114
Nickel	44.08		40.0	110	44.28		40.0	111	43.61		40.0	109
Potassium	5121		5000	102	5137		5000	103	5147		5000	103
Selenium	25.08		20.0	125	22.31		20.0	112	20.04		20.0	100
Silver	10.27		10.0	103	10.11		10.0	101	10.29		10.0	103
Sodium	5163		5000	103	5181		5000	104	5159		5000	103
Thallium	18.47	J	20.0	92	21.32		20.0	107	21.41		20.0	107
Vanadium	52.37		50.0	105	52.28		50.0	105	51.70		50.0	103
Zinc	32.42		30.0	108	32.51		30.0	108	32.71		30.0	109

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.: 460-100972-1

SDG No.: _____

ICV Source: ME_Cal2_BC_00007

Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00007

Analyte	CCVL 460-322700/48 09/15/2015 18:42				CCVL 460-322700/61 09/15/2015 19:30				CCVL 460-322700/87 09/15/2015 21:09			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	229.6		200	115	206.2		200	103	220.0		200	110
Antimony	20.43		20.0	102	20.16		20.0	101	18.95	J	20.0	95
Arsenic	17.86		15.0	119	16.17		15.0	108	15.99		15.0	107
Barium	214.4		200	107	214.1		200	107	214.8		200	107
Beryllium	2.13		2.00	107	1.97	J	2.00	99	2.13		2.00	106
Cadmium	4.42		4.00	110	4.24		4.00	106	4.23		4.00	106
Calcium	5142		5000	103	5114		5000	102	5077		5000	102
Chromium	11.54		10.0	115	11.44		10.0	114	10.83		10.0	108
Cobalt	54.09		50.0	108	54.37		50.0	109	53.81		50.0	108
Copper	26.04		25.0	104	25.91		25.0	104	25.82		25.0	103
Iron	175.0		150	117	158.8		150	106	154.8		150	103
Lead	9.69	J	10.0	97	9.76	J	10.0	98	9.47	J	10.0	95
Magnesium	5223		5000	104	5247		5000	105	5172		5000	103
Manganese	17.57		15.0	117	16.97		15.0	113	16.94		15.0	113
Nickel	43.58		40.0	109	43.34		40.0	108	43.61		40.0	109
Potassium	5121		5000	102	5103		5000	102	5107		5000	102
Selenium	19.35	J	20.0	97	23.97		20.0	120	21.53		20.0	108
Silver	10.30		10.0	103	10.03		10.0	100	10.10		10.0	101
Sodium	5116		5000	102	5146		5000	103	5148		5000	103
Thallium	20.73		20.0	104	21.92		20.0	110	21.97		20.0	110
Vanadium	52.08		50.0	104	52.14		50.0	104	52.21		50.0	104
Zinc	32.54		30.0	108	32.75		30.0	109	32.90		30.0	110

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.: 460-100972-1

SDG No.: _____

ICV Source: ME_Cal2_BC_00007 Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00007

Analyte	CCVL 460-322700/100 09/15/2015 21:57											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	219.9		200	110								
Antimony	21.31		20.0	107								
Arsenic	17.65		15.0	118								
Barium	214.1		200	107								
Beryllium	2.14		2.00	107								
Cadmium	4.31		4.00	108								
Calcium	5050		5000	101								
Chromium	11.22		10.0	112								
Cobalt	53.85		50.0	108								
Copper	26.08		25.0	104								
Iron	156.4		150	104								
Lead	9.04	J	10.0	90								
Magnesium	5157		5000	103								
Manganese	16.88		15.0	113								
Nickel	43.51		40.0	109								
Potassium	5113		5000	102								
Selenium	21.97		20.0	110								
Silver	10.11		10.0	101								
Sodium	5152		5000	103								
Thallium	23.05		20.0	115								
Vanadium	52.04		50.0	104								
Zinc	32.65		30.0	109								

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.: 460-100972-1

SDG No.: _____

ICV Source: ME_CCv_DUO_00142

Concentration Units: ug/L

CCV Source: ME_CCv_DUO_00142

Analyte	ICV 460-322801/7 09/16/2015 10:48				CCV 460-322801/59 09/16/2015 14:09				CCV 460-322801/72 09/16/2015 15:22			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Calcium	125400		125000	100	127500		125000	102	128500		125000	103
<i>Ag</i>	1228		1250	98	1250		1250	100	1265		1250	101
<i>Al</i>	124000		125000	99	126400		125000	101	126800		125000	101
<i>As</i>	2467		2500	99	2456		2500	98	2463		2500	99
<i>Ba</i>	10100		10000	101	10100		10000	101	10080		10000	101
<i>Be</i>	1002		1000	100	1005		1000	101	1002		1000	100
<i>Cd</i>	1260		1250	101	1264		1250	101	1266		1250	101
<i>Co</i>	2514		2500	101	2525		2500	101	2528		2500	101
<i>Cr</i>	5049		5000	101	4998		5000	100	5007		5000	100
<i>Cu</i>	12400		12500	99	12160		12500	97	12130		12500	97
<i>Fe</i>	101000		100000	101	103000		100000	103	103800		100000	104
<i>K</i>	49470		50000	99	49580		50000	99	49260		50000	99
<i>Mg</i>	124700		125000	100	123800		125000	99	123000		125000	98
<i>Mn</i>	5098		5000	102	4810		5000	96	4724		5000	94
<i>Na</i>	124500		125000	100	124300		125000	99	123600		125000	99
<i>Ni</i>	2527		2500	101	2538		2500	102	2546		2500	102
<i>Pb</i>	7493		7500	100	7643		7500	102	7739		7500	103
<i>Sb</i>	989.4		1000	99	983.9		1000	98	988.0		1000	99
<i>Se</i>	2490		2500	100	2336		2500	93	2299		2500	92
<i>Tl</i>	2549		2500	102	2582		2500	103	2577		2500	103
<i>V</i>	2507		2500	100	2529		2500	101	2545		2500	102
<i>Zn</i>	2529		2500	101	2543		2500	102	2545		2500	102

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.: 460-100972-1

SDG No.: _____

ICV Source: ME_Cal2_BC_00007 Concentration Units: ug/L

CCV Source: ME_Cal2_BC_00007

Analyte	ICVL 460-322801/9 09/16/2015 10:56				CCVL 460-322801/61 09/16/2015 14:16				CCVL 460-322801/74 09/16/2015 15:30			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Calcium	5206		5000	104	5218		5000	104	5201		5000	104
<i>Ag</i>	9.79	J	10.0	98	10.38		10.0	104	10.15		10.0	102
<i>Al</i>	196.6	J	200	98	213.4		200	107	219.2		200	110
<i>As</i>	14.97	J	15.0	100	13.46	J	15.0	90	14.21	J	15.0	95
<i>Ba</i>	214.7		200	107	212.5		200	106	214.3		200	107
<i>Be</i>	2.03		2.00	102	1.80	J	2.00	90	2.08		2.00	104
<i>Cd</i>	4.52		4.00	113	4.43		4.00	111	4.41		4.00	110
<i>Co</i>	54.78		50.0	110	54.41		50.0	109	54.70		50.0	109
<i>Cr</i>	9.96	J	10.0	100	9.94	J	10.0	99	10.32		10.0	103
<i>Cu</i>	26.10		25.0	104	24.91	J	25.0	100	25.09		25.0	100
<i>Fe</i>	137.1	J	150	91	159.9		150	107	166.0		150	111
<i>K</i>	5090		5000	102	5050		5000	101	5063		5000	101
<i>Mg</i>	5321		5000	106	5237		5000	105	5148		5000	103
<i>Mn</i>	16.73		15.0	112	15.71		15.0	105	15.41		15.0	103
<i>Na</i>	5120		5000	102	5047		5000	101	5037		5000	101
<i>Ni</i>	44.00		40.0	110	43.02		40.0	108	42.88		40.0	107
<i>Pb</i>	11.11		10.0	111	10.54		10.0	105				
<i>Sb</i>	19.18	J	20.0	96	19.14	J	20.0	96	20.34		20.0	102
<i>Se</i>	20.93		20.0	105	16.23	J	20.0	81	18.53	J	20.0	93
<i>Tl</i>	24.82		20.0	124	23.31		20.0	117	24.77		20.0	124
<i>V</i>	51.44		50.0	103	53.03		50.0	106	52.46		50.0	105
<i>Zn</i>	30.66		30.0	102	30.76		30.0	103	30.78		30.0	103

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.: 460-100972-1

SDG No.: _____

ICV Source: ME_DQCS-INT_01999 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_01999

Analyte	ICV 460-322506/7 09/15/2015 08:35				CCV 460-322506/19 09/15/2015 08:59				CCV 460-322506/31 09/15/2015 09:24			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.12		5.00	102	5.14		5.00	103	5.03		5.00	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.: 460-100972-1

SDG No.: _____

ICV Source: ME_DQCS-INT_01999 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_01999

Analyte	CCV 460-322506/39 09/15/2015 09:40				CCV 460-322506/51 09/15/2015 10:05				CCV 460-322506/63 09/15/2015 10:32			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.14		5.00	103	5.05		5.00	101	5.09		5.00	102

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.: 460-100972-1

SDG No.: _____

ICV Source: ME_DQCS-INT_01999 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_01999

Analyte	CCV 460-322506/72 09/15/2015 10:50											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.97		5.00	99								

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.: 460-100972-1

SDG No.: _____

ICV Source: ME_DQCS-INT_02000 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_02000

Analyte	ICV 460-322753/11 09/16/2015 08:26				CCV 460-322753/23 09/16/2015 08:50				CCV 460-322753/35 09/16/2015 09:20			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.89		5.00	98	4.89		5.00	98	5.00		5.00	100

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.: 460-100972-1

SDG No.: _____

ICV Source: ME_DQCS-INT_02000 Concentration Units: ug/L

CCV Source: ME_DQCS-INT_02000

Analyte	CCV 460-322753/43 09/16/2015 09:37											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.93		5.00	99								

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.: 460-100972-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-322199/8 09/13/2015 10:31		CCB 460-322199/99 09/13/2015 16:17		CCB 460-322199/112 09/13/2015 17:06		CCB 460-322199/125 09/13/2015 17:54	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	69.5	U	69.5	U	69.5	U	195.7	J
Antimony	20.0	4.7	U	4.7	U	4.7	U	4.7	U
Arsenic	15.0	4.4	U	4.4	U	4.4	U	4.4	U
Barium	200	5.5	U	5.5	U	5.5	U	5.5	U
Beryllium	2.0	1.8	U	1.8	U	1.8	U	1.8	U
Cadmium	4.0	2.3	U	2.3	U	2.3	U	2.3	U
Calcium	5000	317	U	317	U	317	U	317	U
Chromium	10.0	4.5	U	4.5	U	4.5	U	4.5	U
Cobalt	50.0	5.1	U	5.1	U	5.1	U	5.1	U
Iron	150	65.4	U	65.4	U	65.4	U	65.4	U
Lead	10.0	4.2	U	4.2	U	4.2	U	4.2	U
Magnesium	5000	260	U	260	U	260	U	260	U
Manganese	15.0	4.9	U	4.9	U	4.9	U	4.9	U
Nickel	40.0	5.4	U	5.4	U	5.4	U	5.4	U
Potassium	5000	122	U	122	U	122	U	153.9	J
Selenium	20.0	6.8	U	6.8	U	6.8	U	6.8	U
Silver	10.0	1.9	U	1.9	U	1.9	U	1.9	U
Sodium	5000	315	U	315	U	315	U	315	U
Thallium	20.0	4.5	U	4.5	U	4.5	U	4.5	U
Vanadium	50.0	4.4	U	4.4	U	4.4	U	4.4	U
Zinc	30.0	5.9	U	5.9	U	5.9	U	5.9	U
<i>Cu</i>	25.0	5.0	U	5.0	U	5.0	U	5.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 460-322199/138 09/13/2015 18:43		CCB 460-322199/164 09/13/2015 20:24		CCB 460-322199/177 09/13/2015 21:12		CCB 460-322199/190 09/13/2015 22:00	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	69.5	U	69.5	U	69.5	U	69.5	U
Antimony	20.0	4.7	U	4.7	U	4.7	U	4.7	U
Arsenic	15.0	4.4	U	4.4	U	4.4	U	4.4	U
Barium	200	5.5	U	5.5	U	5.5	U	5.5	U
Beryllium	2.0	1.8	U	1.8	U	1.8	U	1.8	U
Cadmium	4.0	2.3	U	2.3	U	2.3	U	2.3	U
Calcium	5000	317	U	317	U	317	U	317	U
Chromium	10.0	4.5	U	4.5	U	4.5	U	4.5	U
Cobalt	50.0	5.1	U	5.1	U	5.1	U	5.1	U
Iron	150	65.4	U	65.4	U	65.4	U	65.4	U
Lead	10.0	4.2	U	4.2	U	4.2	U	4.2	U
Magnesium	5000	260	U	260	U	260	U	260	U
Manganese	15.0	4.9	U	4.9	U	4.9	U	4.9	U
Nickel	40.0	5.4	U	5.4	U	5.4	U	5.4	U
Potassium	5000	122	U	122	U	122	U	122	U
Selenium	20.0	6.8	U	6.8	U	6.8	U	6.8	U
Silver	10.0	1.9	U	1.9	U	1.9	U	1.9	U
Sodium	5000	315	U	315	U	315	U	315	U
Thallium	20.0	4.5	U	4.5	U	4.5	U	4.5	U
Vanadium	50.0	4.4	U	4.4	U	4.4	U	4.4	U
Zinc	30.0	5.9	U	5.9	U	5.9	U	5.9	U
<i>Cu</i>	25.0	5.0	U	5.0	U	5.0	U	5.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 460-322199/216 09/13/2015 23:38		CCB 460-322199/229 09/14/2015 00:26					
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	69.5	U	69.5	U				
Antimony	20.0	4.7	U	4.7	U				
Arsenic	15.0	4.4	U	4.4	U				
Barium	200	5.5	U	5.5	U				
Beryllium	2.0	1.8	U	1.8	U				
Cadmium	4.0	2.3	U	2.3	U				
Calcium	5000	317	U	317	U				
Chromium	10.0	4.5	U	4.5	U				
Cobalt	50.0	5.1	U	5.1	U				
Iron	150	65.4	U	65.4	U				
Lead	10.0	4.2	U	4.2	U				
Magnesium	5000	260	U	260	U				
Manganese	15.0	4.9	U	4.9	U				
Nickel	40.0	5.4	U	5.4	U				
Potassium	5000	122	U	122	U				
Selenium	20.0	6.8	U	6.8	U				
Silver	10.0	1.9	U	1.9	U				
Sodium	5000	315	U	315	U				
Thallium	20.0	4.5	U	4.5	U				
Vanadium	50.0	4.4	U	4.4	U				
Zinc	30.0	5.9	U	5.9	U				
<i>Cu</i>	25.0	5.0	U	5.0	U				

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison

Job No.: 460-100972-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-322700/8 09/15/2015 16:13		CCB 460-322700/21 09/15/2015 17:02		CCB 460-322700/34 09/15/2015 17:50		CCB 460-322700/47 09/15/2015 18:38	
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	75.32	J	69.5	U	69.5	U	69.5	U
Antimony	20.0	4.7	U	4.7	U	4.7	U	4.7	U
Arsenic	15.0	4.4	U	4.4	U	4.4	U	4.4	U
Barium	200	5.5	U	5.5	U	5.5	U	5.5	U
Beryllium	2.0	1.8	U	1.8	U	1.8	U	1.8	U
Cadmium	4.0	2.3	U	2.3	U	2.3	U	2.3	U
Calcium	5000	317	U	317	U	317	U	317	U
Chromium	10.0	4.5	U	4.5	U	4.5	U	4.5	U
Cobalt	50.0	5.1	U	5.1	U	5.1	U	5.1	U
Copper	25.0	6.87	J	5.0	U	5.0	U	5.0	U
Iron	150	65.4	U	65.4	U	65.4	U	65.4	U
Lead	10.0	4.2	U	4.2	U	4.2	U	4.2	U
Magnesium	5000	260	U	260	U	260	U	260	U
Manganese	15.0	4.9	U	4.9	U	4.9	U	4.9	U
Nickel	40.0	5.4	U	5.4	U	5.4	U	5.4	U
Potassium	5000	122	U	122	U	122	U	122	U
Selenium	20.0	6.8	U	6.8	U	6.8	U	6.8	U
Silver	10.0	1.9	U	1.9	U	1.9	U	1.9	U
Sodium	5000	315	U	315	U	315	U	315	U
Thallium	20.0	4.5	U	4.5	U	4.5	U	4.5	U
Vanadium	50.0	4.4	U	4.4	U	4.4	U	4.4	U
Zinc	30.0	5.9	U	5.9	U	5.9	U	5.9	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison

Job No.: 460-100972-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 460-322700/60 09/15/2015 19:26		CCB 460-322700/86 09/15/2015 21:05		CCB 460-322700/99 09/15/2015 21:53			
		Found	C	Found	C	Found	C	Found	C
Aluminum	200	69.5	U	69.5	U	69.5	U		
Antimony	20.0	4.7	U	4.7	U	4.7	U		
Arsenic	15.0	4.4	U	4.4	U	4.4	U		
Barium	200	5.5	U	5.5	U	5.5	U		
Beryllium	2.0	1.8	U	1.8	U	1.8	U		
Cadmium	4.0	2.3	U	2.3	U	2.3	U		
Calcium	5000	317	U	317	U	317	U		
Chromium	10.0	4.5	U	4.5	U	4.5	U		
Cobalt	50.0	5.1	U	5.1	U	5.1	U		
Copper	25.0	5.0	U	5.0	U	5.0	U		
Iron	150	65.4	U	65.4	U	65.4	U		
Lead	10.0	4.2	U	4.2	U	4.2	U		
Magnesium	5000	260	U	260	U	260	U		
Manganese	15.0	4.9	U	4.9	U	4.9	U		
Nickel	40.0	5.4	U	5.4	U	5.4	U		
Potassium	5000	122	U	122	U	122	U		
Selenium	20.0	6.8	U	6.8	U	6.8	U		
Silver	10.0	1.9	U	1.9	U	1.9	U		
Sodium	5000	315	U	315	U	315	U		
Thallium	20.0	4.5	U	4.5	U	4.5	U		
Vanadium	50.0	4.4	U	4.4	U	4.4	U		
Zinc	30.0	5.9	U	5.9	U	5.9	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-322801/8 09/16/2015 10:52		CCB 460-322801/60 09/16/2015 14:12		CCB 460-322801/73 09/16/2015 15:26			
		Found	C	Found	C	Found	C	Found	C
Calcium	5000	317	U	317	U	317	U		
<i>Ag</i>	10.0	1.9	U	1.9	U	1.9	U		
<i>Al</i>	200	69.5	U	69.5	U	69.5	U		
<i>As</i>	15.0	4.4	U	4.4	U	4.4	U		
<i>Ba</i>	200	5.5	U	5.5	U	5.5	U		
<i>Be</i>	2.0	1.8	U	1.8	U	1.8	U		
<i>Cd</i>	4.0	2.3	U	2.3	U	2.3	U		
<i>Co</i>	50.0	5.1	U	5.1	U	5.1	U		
<i>Cr</i>	10.0	4.5	U	4.5	U	4.5	U		
<i>Cu</i>	25.0	5.0	U	5.0	U	5.0	U		
<i>Fe</i>	150	65.4	U	65.4	U	65.4	U		
<i>K</i>	5000	122	U	122	U	122	U		
<i>Mg</i>	5000	260	U	260	U	260	U		
<i>Mn</i>	15.0	4.9	U	4.9	U	4.9	U		
<i>Na</i>	5000	315	U	315	U	315	U		
<i>Ni</i>	40.0	5.4	U	5.4	U	5.4	U		
<i>Pb</i>	10.0	4.2	U	4.2	U	4.2	U		
<i>Sb</i>	20.0	4.7	U	4.7	U	4.7	U		
<i>Se</i>	20.0	6.8	U	6.8	U	6.8	U		
<i>Tl</i>	20.0	4.5	U	4.5	U	4.5	U		
<i>V</i>	50.0	4.4	U	4.4	U	4.4	U		
<i>Zn</i>	30.0	5.9	U	5.9	U	5.9	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-322506/8 09/15/2015 08:37		CCB 460-322506/20 09/15/2015 09:02		CCB 460-322506/32 09/15/2015 09:26		CCB 460-322506/40 09/15/2015 09:43	
		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.: 460-100972-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	CCB 460-322506/52 09/15/2015 10:07		CCB 460-322506/64 09/15/2015 10:34		CCB 460-322506/73 09/15/2015 10:52			
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	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.: 460-100972-1

SDG No.: _____

Concentration Units: ug/L

Analyte	RL	ICB 460-322753/12 09/16/2015 08:28		CCB 460-322753/24 09/16/2015 08:52		CCB 460-322753/36 09/16/2015 09:22		CCB 460-322753/44 09/16/2015 09:39	
		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
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1
 SDG No.: _____
 Concentration Units: mg/Kg Lab Sample ID: MB 460-322001/1-A ^2
 Instrument Code: ICP5 Batch No.: 322199

CAS No.	Analyte	Concentration	C	Q	Method
7440-22-4	Silver	0.18	U		6010C_DKQP
7440-38-2	Arsenic	0.49	U		6010C_DKQP
7440-39-3	Barium	0.72	U		6010C_DKQP
7440-41-7	Beryllium	0.17	U		6010C_DKQP
7440-43-9	Cadmium	0.21	U		6010C_DKQP
7440-48-4	Cobalt	0.58	U		6010C_DKQP
7440-47-3	Chromium	0.48	U		6010C_DKQP
7439-96-5	Manganese	0.53	U		6010C_DKQP
7440-02-0	Nickel	0.73	U		6010C_DKQP
7439-92-1	Lead	0.39	U		6010C_DKQP
7440-36-0	Antimony	0.79	U		6010C_DKQP
7782-49-2	Selenium	0.69	U		6010C_DKQP
7440-62-2	Vanadium	0.50	U		6010C_DKQP
7440-66-6	Zinc	0.73	U		6010C_DKQP
7429-90-5	Aluminum	10.3	U		6010C_DKQP
7440-23-5	Sodium	33.9	U		6010C_DKQP
7439-95-4	Magnesium	25.0	U		6010C_DKQP
7440-09-7	Potassium	15.2	U		6010C_DKQP
7440-70-2	Calcium	29.6	U		6010C_DKQP
7439-89-6	Iron	11.3	U		6010C_DKQP
7440-28-0	Thallium	0.89	U		6010C_DKQP

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1
 SDG No.: _____
 Concentration Units: mg/Kg Lab Sample ID: MB 460-322469/1-A ^2
 Instrument Code: ICP5 Batch No.: 322700

CAS No.	Analyte	Concentration	C	Q	Method
7440-22-4	Silver	0.18	U		6010C_DKQP
7440-38-2	Arsenic	0.49	U		6010C_DKQP
7440-39-3	Barium	0.72	U		6010C_DKQP
7440-41-7	Beryllium	0.17	U		6010C_DKQP
7440-43-9	Cadmium	0.21	U		6010C_DKQP
7440-48-4	Cobalt	0.58	U		6010C_DKQP
7440-47-3	Chromium	0.48	U		6010C_DKQP
7440-50-8	Copper	0.65	U		6010C_DKQP
7439-96-5	Manganese	0.53	U		6010C_DKQP
7440-02-0	Nickel	0.73	U		6010C_DKQP
7439-92-1	Lead	0.39	U		6010C_DKQP
7440-36-0	Antimony	0.79	U		6010C_DKQP
7782-49-2	Selenium	0.69	U		6010C_DKQP
7440-62-2	Vanadium	0.50	U		6010C_DKQP
7440-66-6	Zinc	0.73	U		6010C_DKQP
7429-90-5	Aluminum	10.3	U		6010C_DKQP
7440-23-5	Sodium	33.9	U		6010C_DKQP
7439-95-4	Magnesium	25.0	U		6010C_DKQP
7440-09-7	Potassium	15.2	U		6010C_DKQP
7440-70-2	Calcium	29.6	U		6010C_DKQP
7439-89-6	Iron	11.3	U		6010C_DKQP
7440-28-0	Thallium	0.89	U		6010C_DKQP

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1
SDG No.: _____
Concentration Units: mg/Kg Lab Sample ID: MB 460-322411/10-A
Instrument Code: LEEMAN5 Batch No.: 322506

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.: 460-100972-1

SDG No.: _____

Concentration Units: mg/Kg Lab Sample ID: MB 460-322412/10-A

Instrument Code: LEEMAN5 Batch No.: 322506

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.: 460-100972-1

SDG No.: _____

Concentration Units: mg/Kg Lab Sample ID: MB 460-322635/10-A

Instrument Code: LEEMAN5 Batch No.: 322753

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.: 460-100972-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-322199/10 Instrument ID: ICP5
 Lab File ID: 09132015.asc ICS Source: ME_ICSA_Duo_00064
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	500000	497700	100
Antimony		-3.76	
Arsenic		-2.37	
Barium		-0.515	
Beryllium		-0.0466	
Cadmium		0.693	
Calcium	500000	492600	99
Chromium		-3.02	
Cobalt		-2.08	
Iron	200000	193100	97
Lead		-5.16	
Magnesium	500000	505800	101
Manganese		-0.653	
Nickel		-0.759	
Potassium		31.0	
Selenium		-4.06	
Silver		-0.126	
Sodium		43.7	
Thallium		0.204	
Vanadium		-2.90	
Zinc		-5.12	
<i>B</i>		<i>0.221</i>	
<i>Cu</i>		<i>-1.28</i>	
<i>Mo</i>		<i>1.18</i>	
<i>Sn</i>		<i>0.151</i>	
<i>Sr</i>		<i>1.01</i>	
<i>Ti</i>		<i>-1.47</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.: 460-100972-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-322199/11 Instrument ID: ICP5
 Lab File ID: 09132015.asc ICS Source: ME_ICSAB_DUO_00078
 Concentration Units: ug/L

Analyte	True	Found	
	Solution AB	Solution AB	Percent Recovery
Aluminum	500000	503800	101
Antimony	100	96.8	97
Arsenic	100	98.8	99
Barium	100	103	103
Beryllium	100	102	102
Cadmium	100	100	100
Calcium	500000	496600	99
Chromium	100	98.6	99
Cobalt	100	97.9	98
Iron	200000	195600	98
Lead	100	93.2	93
Magnesium	500000	511700	102
Manganese	100	104	104
Nickel	100	97.1	97
Potassium	10000	10560	106
Selenium	100	99.1	99
Silver	100	106	106
Sodium	10000	10660	107
Thallium	100	96.8	97
Vanadium	100	101	101
Zinc	100	95.4	95
<i>B</i>	<i>100</i>	<i>98.8</i>	<i>99</i>
<i>Cu</i>	<i>100</i>	<i>107</i>	<i>107</i>
<i>Mo</i>	<i>100</i>	<i>97.7</i>	<i>98</i>
<i>Sn</i>	<i>100</i>	<i>107</i>	<i>107</i>
<i>Sr</i>	<i>100</i>	<i>104</i>	<i>104</i>
<i>Ti</i>	<i>100</i>	<i>104</i>	<i>104</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.: 460-100972-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-322700/10 Instrument ID: ICP5
 Lab File ID: 322345.asc ICS Source: ME_ICSA_Duo_00064
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	500000	519300	104
Antimony		-3.22	
Arsenic		-1.42	
Barium		-0.607	
Beryllium		-0.121	
Cadmium		0.272	
Calcium	500000	510500	102
Chromium		-0.0373	
Cobalt		-2.72	
Copper		3.58	
Iron	200000	204100	102
Lead		5.35	
Magnesium	500000	525400	105
Manganese		0.0096	
Nickel		-1.48	
Potassium		-18.4	
Selenium		-9.78	
Silver		-0.582	
Sodium		45.5	
Thallium		-5.30	
Vanadium		-3.09	
Zinc		-2.72	
<i>B</i>		<i>0.523</i>	
<i>Mo</i>		<i>1.31</i>	
<i>Sn</i>		<i>-4.89</i>	
<i>Sr</i>		<i>-5.58</i>	
<i>Ti</i>		<i>-0.0128</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.: 460-100972-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-322700/11 Instrument ID: ICP5
 Lab File ID: 322345.asc ICS Source: ME_ICSAB_DUO_00078
 Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Aluminum	500000	497900	100
Antimony	100	97.7	98
Arsenic	100	105	105
Barium	100	103	103
Beryllium	100	99.6	100
Cadmium	100	98.4	98
Calcium	500000	493700	99
Chromium	100	99.9	100
Cobalt	100	95.7	96
Copper	100	108	108
Iron	200000	198100	99
Lead	100	90.6	91
Magnesium	500000	504500	101
Manganese	100	104	104
Nickel	100	97.5	98
Potassium	10000	10420	104
Selenium	100	113	113
Silver	100	106	106
Sodium	10000	10440	104
Thallium	100	92.0	92
Vanadium	100	98.9	99
Zinc	100	94.8	95
<i>B</i>	<i>100</i>	<i>102</i>	<i>102</i>
<i>Mo</i>	<i>100</i>	<i>97.2</i>	<i>97</i>
<i>Sn</i>	<i>100</i>	<i>92.5</i>	<i>92</i>
<i>Sr</i>	<i>100</i>	<i>95.6</i>	<i>96</i>
<i>Ti</i>	<i>100</i>	<i>103</i>	<i>103</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.: 460-100972-1
 SDG No.: _____
 Lab Sample ID: ICSA 460-322801/10 Instrument ID: ICP5
 Lab File ID: 322002.asc ICS Source: ME_ICSA_Duo_00064
 Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Calcium	500000	506600	101
<i>Ag</i>		0.790	
<i>Al</i>	500000	515800	103
<i>As</i>		-0.675	
<i>B</i>		0.550	
<i>Ba</i>		-0.673	
<i>Be</i>		-0.174	
<i>Cd</i>		0.0771	
<i>Co</i>		-2.59	
<i>Cr</i>		-0.889	
<i>Cu</i>		2.53	
<i>Fe</i>	200000	203500	102
<i>K</i>		-19.0	
<i>Mg</i>	500000	525800	105
<i>Mn</i>		-0.825	
<i>Mo</i>		1.75	
<i>Na</i>		3.45	
<i>Ni</i>		-2.17	
<i>Pb</i>		4.35	
<i>Sb</i>		-2.02	
<i>Se</i>		-2.58	
<i>Sn</i>		-4.69	
<i>Sr</i>		-6.01	
<i>Ti</i>		-1.22	
<i>Tl</i>		-6.53	
<i>V</i>		-3.93	
<i>Zn</i>		-5.36	

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.: 460-100972-1
 SDG No.: _____
 Lab Sample ID: ICSAB 460-322801/11 Instrument ID: ICP5
 Lab File ID: 322002.asc ICS Source: ME_ICSAB_DUO_00078
 Concentration Units: ug/L

Analyte	True	Found	
	Solution AB	Solution AB	Percent Recovery
Calcium	500000	496800	99
<i>Ag</i>	100	107	107
<i>Al</i>	500000	499900	100
<i>As</i>	100	99.0	99
<i>B</i>	100	102	102
<i>Ba</i>	100	104	104
<i>Be</i>	100	100	100
<i>Cd</i>	100	97.9	98
<i>Co</i>	100	94.9	95
<i>Cr</i>	100	100	100
<i>Cu</i>	100	107	107
<i>Fe</i>	200000	199400	100
<i>K</i>	10000	10480	105
<i>Mg</i>	500000	507500	101
<i>Mn</i>	100	103	103
<i>Mo</i>	100	97.0	97
<i>Na</i>	10000	10440	104
<i>Ni</i>	100	95.1	95
<i>Pb</i>	100	87.7	88
<i>Sb</i>	100	95.8	96
<i>Se</i>	100	92.7	93
<i>Sn</i>	100	92.8	93
<i>Sr</i>	100	94.6	95
<i>Ti</i>	100	103	103
<i>Tl</i>	100	94.6	95
<i>V</i>	100	98.7	99
<i>Zn</i>	100	92.9	93

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

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: WC-3 MS

Lab ID: 460-100972-3 MS

Lab Name: TestAmerica Edison

Job No.: 460-100972-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 84.1

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Silver	5.30	0.37 U	4.87	109	75-125		6010C
Arsenic	194.4	18.8	195	90	75-125		6010C
Barium	343.2	166	195	91	75-125		6010C
Beryllium	5.50	0.49	4.87	103	75-125		6010C
Cadmium	4.83	0.44 U	4.87	99	75-125		6010C
Cobalt	56.22	8.6 J	48.7	98	75-125		6010C
Chromium	57.68	56.6	19.5	5	75-125	F1	6010C
Manganese	614.6	587	48.7	57	75-125	4	6010C
Nickel	71.44	24.8	48.7	96	75-125		6010C
Lead	85.84	34.5	48.7	105	75-125		6010C
Antimony	18.80	1.7 U	48.7	39	75-125	F1	6010C
Selenium	185.9	1.5 U	195	95	75-125		6010C
Vanadium	82.22	35.3	48.7	96	75-125		6010C
Zinc	208.7	173	48.7	74	75-125	F1	6010C
Aluminum	17510	18800	195	-650	75-125	4	6010C
Sodium	3375	3570	1950	-10	75-125	F1	6010C
Magnesium	11840	11000	1950	44	75-125	4	6010C
Potassium	5002	4100	1950	46	75-125	F1	6010C
Calcium	75660	78300	1950	-134	75-125	4	6010C
Iron	18210	19400	97.4	-1242	75-125	4	6010C
Thallium	191.6	1.9 U	195	98	75-125		6010C

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: WC-9 MS

Lab ID: 460-100972-9 MS

Lab Name: TestAmerica Edison

Job No.: 460-100972-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 81.5

Analyte	SSR C	Sample Result (SR) C		Spike Added (SA)	%R	Control Limit %R	Q	Method
Silver	8.08	0.43	U	6.13	132	75-125	F1	6010C
Arsenic	248.0	10.1		245	97	75-125		6010C
Barium	344.9	116		245	93	75-125		6010C
Beryllium	6.75	0.64		6.13	100	75-125		6010C
Cadmium	6.09	0.51	U	6.13	99	75-125		6010C
Cobalt	65.34	6.5	J	61.3	96	75-125		6010C
Chromium	66.76	43.0		24.5	97	75-125		6010C
Copper	62.08	37.3		30.7	81	75-125		6010C
Manganese	384.3	344		61.3	66	75-125	4	6010C
Nickel	81.04	20.8		61.3	98	75-125		6010C
Lead	102.2	42.4		61.3	98	75-125		6010C
Antimony	43.19	7.7		61.3	58	75-125	F1	6010C
Selenium	243.9	1.7	U	245	99	75-125		6010C
Vanadium	115.7	35.1		61.3	131	75-125	F1	6010C
Zinc	239.2	198		61.3	67	75-125	F1	6010C
Aluminum	13280	12800		245	180	75-125	4	6010C
Sodium	3240	1200	J	2450	83	75-125		6010C
Magnesium	9929	7650		2450	93	75-125		6010C
Potassium	4469	2120		2450	96	75-125		6010C
Calcium	91720	89000		2450	113	75-125	4	6010C
Iron	16350	16400		123	0	75-125	4	6010C
Thallium	245.3	2.2	U	245	100	75-125		6010C

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: WC-14 MS Lab ID: 460-100972-14 MS
Lab Name: TestAmerica Edison Job No.: 460-100972-1
SDG No.: _____
Matrix: Solid Concentration Units: mg/Kg
% Solids: 83.1

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.252	0.14	0.0941	115	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: _____ Lab ID: 460-100954-E-14-C MS
Lab Name: TestAmerica Edison Job No.: 460-100972-1
SDG No.: _____
Matrix: Solid Concentration Units: mg/Kg
% Solids: 87.2

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.117	0.031	0.0896	96	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: _____ Lab ID: 460-101015-A-9-E MS
Lab Name: TestAmerica Edison Job No.: 460-100972-1
SDG No.: _____
Matrix: Solid Concentration Units: mg/Kg
% Solids: 89.7

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.109	0.013 J	0.0884	123	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: WC-3 PDS

Lab ID: 460-100972-3 PDS

Lab Name: TestAmerica Edison

Job No.: 460-100972-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Silver	10.99	0.37	U	10.6	104	80-120	6010C
Arsenic	430.1	18.8		425	97	80-120	6010C
Barium	579.5	166		425	97	80-120	6010C
Beryllium	11.18	0.49		10.6	101	80-120	6010C
Cadmium	10.24	0.44	U	10.6	96	80-120	6010C
Cobalt	111.4	8.6	J	106	97	80-120	6010C
Chromium	97.88	56.6		42.5	97	80-120	6010C
Manganese	683.9	587		106	91	80-120	6010C
Nickel	128.1	24.8		106	97	80-120	6010C
Lead	136.9	34.5		106	96	80-120	6010C
Antimony	99.85	1.7	U	106	94	80-120	6010C
Selenium	409.3	1.5	U	425	96	80-120	6010C
Vanadium	140.9	35.3		106	99	80-120	6010C
Zinc	271.9	173		106	94	80-120	6010C
Aluminum	19120	18800		425	NC	80-120	6010C
Sodium	7854	3570		4250	101	80-120	6010C
Magnesium	14860	11000		4250	92	80-120	6010C
Potassium	8039	4100		4250	93	80-120	6010C
Calcium	89260	78300		10600	104	80-120	6010C
Iron	19420	19400		212	NC	80-120	6010C
Thallium	413.1	1.9	U	425	97	80-120	6010C

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: WC-9 PDS

Lab ID: 460-100972-9 PDS

Lab Name: TestAmerica Edison

Job No.: 460-100972-1

SDG No.: _____

Matrix: Solid

Concentration Units: mg/Kg

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Silver	11.33	0.43	U 12.3	92	80-120		6010C
Arsenic	477.1	10.1	491	95	80-120		6010C
Barium	577.9	116	491	94	80-120		6010C
Beryllium	12.46	0.64	12.3	96	80-120		6010C
Cadmium	11.58	0.51	U 12.3	94	80-120		6010C
Cobalt	121.1	6.5	J 123	93	80-120		6010C
Chromium	89.11	43.0	49.1	94	80-120		6010C
Copper	94.40	37.3	61.3	93	80-120		6010C
Manganese	455.5	344	123	91	80-120		6010C
Nickel	136.1	20.8	123	94	80-120		6010C
Lead	148.8	42.4	123	87	80-120		6010C
Antimony	120.2	7.7	123	92	80-120		6010C
Selenium	468.5	1.7	U 491	96	80-120		6010C
Vanadium	150.7	35.1	123	94	80-120		6010C
Zinc	307.3	198	123	89	80-120		6010C
Aluminum	13170	12800	491	NC	80-120		6010C
Sodium	5862	1200	J 4910	95	80-120		6010C
Magnesium	11960	7650	4910	88	80-120		6010C
Potassium	6402	2120	4910	87	80-120		6010C
Calcium	112800	89000	24500	97	80-120		6010C
Iron	16400	16400	245	NC	80-120		6010C
Thallium	470.7	2.2	U 491	96	80-120		6010C

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: WC-3 DU

Lab ID: 460-100972-3 DU

Lab Name: TestAmerica Edison

Job No.: 460-100972-1

SDG No.:

% Solids for Sample: 84.1

% Solids for Duplicate: 84.1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Silver	2.1	0.37 U	0.37 U	NC		6010C
Arsenic	3.2	18.8	6.53	97	F3	6010C
Barium	42.1	166	168.8	2		6010C
Beryllium	0.42	0.49	0.489	0.3		6010C
Cadmium	0.84	0.44 U	0.44 U	NC		6010C
Cobalt	10.5	8.6 J	9.87 J	14		6010C
Chromium	2.1	56.6	40.84	32		6010C
Manganese	3.2	587	585.1	0.3		6010C
Nickel	8.4	24.8	25.08	1		6010C
Lead	2.1	34.5	39.36	13		6010C
Antimony	4.2	1.7 U	1.7 U	NC		6010C
Selenium	4.2	1.5 U	1.5 U	NC		6010C
Vanadium	10.5	35.3	34.21	3		6010C
Zinc	6.3	173	208.9	19		6010C
Aluminum	42.1	18800	18550	1		6010C
Sodium	1050	3570	1587	77	F3	6010C
Magnesium	1050	11000	11090	1		6010C
Potassium	1050	4100	3562	14		6010C
Calcium	2630	78300	80690	3		6010C
Iron	31.6	19400	22340	14		6010C
Thallium	4.2	1.9 U	1.9 U	NC		6010C

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

6-IN
DUPLICATES
METALS

Client ID: WC-9 DU

Lab ID: 460-100972-9 DU

Lab Name: TestAmerica Edison

Job No.: 460-100972-1

SDG No.:

% Solids for Sample: 81.5

% Solids for Duplicate: 81.5

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Silver	2.5	0.43 U	0.43 U	NC		6010C
Arsenic	3.7	10.1	9.86	2		6010C
Barium	49.1	116	115.7	0.6		6010C
Beryllium	0.49	0.64	0.676	5		6010C
Cadmium	0.98	0.51 U	0.51 U	NC		6010C
Cobalt	12.3	6.5 J	6.51 J	0		6010C
Chromium	2.5	43.0	43.12	0.2		6010C
Copper	6.1	37.3	36.96	0.9		6010C
Manganese	3.7	344	344.6	0.1		6010C
Nickel	9.8	20.8	20.56	1		6010C
Lead	2.5	42.4	42.60	0.4		6010C
Antimony	4.9	7.7	7.34	5		6010C
Selenium	4.9	1.7 U	1.7 U	NC		6010C
Vanadium	12.3	35.1	35.27	0.5		6010C
Zinc	7.4	198	199.1	0.6		6010C
Aluminum	49.1	12800	12830	0.08		6010C
Sodium	1230	1200 J	1194 J	0.3		6010C
Magnesium	1230	7650	7738	1		6010C
Potassium	1230	2120	2124	0.1		6010C
Calcium	6130	89000	88000	1		6010C
Iron	36.8	16400	16460	0.6		6010C
Thallium	4.9	2.2 U	2.2 U	NC		6010C

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

FORM VI-IN

6-IN
DUPLICATES
METALS

Client ID: WC-14 DU Lab ID: 460-100972-14 DU
Lab Name: TestAmerica Edison Job No.: 460-100972-1
SDG No.: _____
% Solids for Sample: 83.1 % Solids for Duplicate: 83.1
Matrix: Solid Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Mercury	0.019	0.14	0.135	6		7471B

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

6-IN
DUPLICATES
METALS

Client ID: _____ Lab ID: 460-100954-E-14-B DU
Lab Name: TestAmerica Edison Job No.: 460-100972-1
SDG No.: _____
% Solids for Sample: 87.2 % Solids for Duplicate: 87.2
Matrix: Solid Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Mercury	0.018	0.031	0.0220	34		7471B

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

6-IN
DUPLICATES
METALS

Client ID: _____ Lab ID: 460-101015-A-9-D DU
Lab Name: TestAmerica Edison Job No.: 460-100972-1
SDG No.: _____
% Solids for Sample: 89.7 % Solids for Duplicate: 89.7
Matrix: Solid Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Mercury	0.018	0.013 J	0.0144 J	10		7471B

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

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-322001/2-A ^4

Lab Name: TestAmerica Edison

Job No.: 460-100972-1

Sample Matrix: Solid

LCS Source: ME_LCSS_87_00003

Analyte	Solid (mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Silver	40.9	38.20		93.4	75.1	124.7		6010C
Arsenic	98.5	97.29		98.8	77.8	122.8		6010C
Barium	308	323.9		105.2	82.5	117.5		6010C
Beryllium	66.0	67.69		102.6	83.0	116.8		6010C
Cadmium	146	147.5		101.0	82.9	117.8		6010C
Cobalt	162	171.7		106.0	83.3	116.0		6010C
Chromium	182	185.7		102.1	79.7	120.3		6010C
Manganese	410	425.5		103.8	81.2	119.0		6010C
Nickel	149	161.4		108.3	82.6	117.4		6010C
Lead	130	136.7		105.1	82.3	117.7		6010C
Antimony	105	51.00		48.6	0.1	201.0		6010C
Selenium	154	149.5		97.1	77.9	122.1		6010C
Vanadium	96.7	96.31		99.6	77.2	123.1		6010C
Zinc	191	206.9		108.3	83.2	116.8		6010C
Aluminum	7930	7202		90.8	50.2	150.1		6010C
Sodium	2480	2527		101.9	70.6	129.0		6010C
Magnesium	2640	2502		94.8	75.8	124.6		6010C
Potassium	2550	2412		94.6	69.0	130.6		6010C
Calcium	6610	6490		98.2	83.7	116.2		6010C
Iron	14400	14050		97.6	44.1	155.6		6010C
Thallium	175	191.5		109.4	78.3	121.1		6010C

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 460-322469/2-A

Lab Name: TestAmerica Edison

Job No.: 460-100972-1

Sample Matrix: Solid

LCS Source: ME_LCSS_87_00003

Analyte	Solid (mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Silver	40.9	39.90		97.6	75.1	124.7		6010C
Arsenic	98.5	100.8		102.3	77.8	122.8		6010C
Barium	308	318.0		103.2	82.5	117.5		6010C
Beryllium	66.0	68.46		103.7	83.0	116.8		6010C
Cadmium	146	154.7		105.9	82.9	117.8		6010C
Cobalt	162	172.7		106.6	83.3	116.0		6010C
Chromium	182	189.6		104.2	79.7	120.3		6010C
Copper	106	109.4		103.2	81.5	118.9		6010C
Manganese	410	413.6		100.9	81.2	119.0		6010C
Nickel	149	162.3		108.9	82.6	117.4		6010C
Lead	130	125.6		96.6	82.3	117.7		6010C
Antimony	105	183.1		174.4	0.1	201.0		6010C
Selenium	154	160.6		104.3	77.9	122.1		6010C
Vanadium	96.7	96.08		99.4	77.2	123.1		6010C
Zinc	191	194.5		101.8	83.2	116.8		6010C
Aluminum	7930	5426		68.4	50.2	150.1		6010C
Sodium	2480	2546		102.7	70.6	129.0		6010C
Magnesium	2640	2258		85.5	75.8	124.6		6010C
Potassium	2550	2190		85.9	69.0	130.6		6010C
Calcium	6610	6400		96.8	83.7	116.2		6010C
Iron	14400	13770		95.6	44.1	155.6		6010C
Thallium	175	202.2		115.5	78.3	121.1		6010C

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 460-322411/11-A ^20

Lab Name: TestAmerica Edison

Job No.: 460-100972-1

Sample Matrix: Solid

LCS Source: ME_LCSS_87_00003

Analyte	Solid (mg/Kg)						
	True	Found	C	%R	Limits	Q	Method
Mercury	7.10	6.65		93.7	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 460-322412/11-A ^20

Lab Name: TestAmerica Edison

Job No.: 460-100972-1

Sample Matrix: Solid

LCS Source: ME_LCSS_87_00003

Analyte	Solid (mg/Kg)						
	True	Found	C	%R	Limits	Q	Method
Mercury	7.10	6.65		93.7	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 460-322635/11-A ^20

Lab Name: TestAmerica Edison

Job No.: 460-100972-1

Sample Matrix: Solid

LCS Source: ME_LCSS_87_00003

Analyte	Solid (mg/Kg)						
	True	Found	C	%R	Limits	Q	Method
Mercury	7.10	6.80		95.8	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: 460-100972-3

SDG No: _____

Lab Name: TestAmerica Edison

Job No: 460-100972-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Silver	0.37	U	1.9	U	NC		6010C
Arsenic	18.8		19.23		NC		6010C
Barium	166		166.6	J	NC		6010C
Beryllium	0.49		1.8	U	NC		6010C
Cadmium	0.44	U	2.2	U	NC		6010C
Cobalt	8.6	J	8.76	J	NC		6010C
Chromium	56.6		56.76		NC		6010C
Manganese	587		595.1		1.4		6010C
Nickel	24.8		25.91	J	NC		6010C
Lead	34.5		33.18		NC		6010C
Antimony	1.7	U	8.4	U	NC		6010C
Selenium	1.5	U	7.3	U	NC		6010C
Vanadium	35.3		34.89	J	NC		6010C
Zinc	173		178.5		NC		6010C
Aluminum	18800		18610		0.88		6010C
Sodium	3570		3598	J	NC		6010C
Magnesium	11000		11300		NC		6010C
Potassium	4100		4073	J	NC		6010C
Calcium	78300		76870		NC		6010C
Iron	19400		20200		4.0		6010C
Thallium	1.9	U	9.4	U	NC		6010C

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: 460-100972-9

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-100972-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Silver	2.2	U	2.2	U	NC		6010C
Arsenic	11.5	J	13.98	J	NC		6010C
Barium	125	J	116.8	J	NC		6010C
Beryllium	2.1	U	2.1	U	NC		6010C
Cadmium	2.6	U	2.6	U	NC		6010C
Cobalt	7.1	U	7.1	U	NC		6010C
Chromium	47.0		43.95		NC		6010C
Copper	39.5		36.28		NC		6010C
Manganese	369		351.2		4.9		6010C
Nickel	21.7	J	21.26	J	NC		6010C
Lead	44.6		42.14		NC		6010C
Antimony	9.7	U	9.7	U	NC		6010C
Selenium	8.5	U	8.5	U	NC		6010C
Vanadium	37.4	J	35.21	J	NC		6010C
Zinc	223		217.7		NC		6010C
Aluminum	13700		12720		7.0		6010C
Sodium	1290	J	1191	J	NC		6010C
Magnesium	8640		8012		NC		6010C
Potassium	2250	J	2124	J	NC		6010C
Calcium	89000		88170		NC		6010C
Iron	17600		16340		7.2		6010C
Thallium	10.9	U	10.9	U	NC		6010C

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: 460-100972-14

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-100972-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Mercury	0.14		0.166		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: 460-100954-E-14-A SD

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-100972-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C		Serial Dilution Result (S) C		% Difference	Q	Method
Mercury	0.031		0.065	U	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: 460-101015-A-9-C SD

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-100972-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample		Serial		% Difference	Q	Method
	Result (I)	C	Dilution	Result (S)			
Mercury	0.013	J		0.064	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: 460-100972-1
 SDG Number: _____
 Matrix: Solid Instrument ID: ICP5
 Method: 6010C MDL Date: 05/05/2015 13:04
 Prep Method: 3050B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Aluminum		40	20.6
Antimony		4	1.58
Arsenic		3	0.983
Barium		40	1.43
Beryllium		0.4	0.339
Cadmium		0.8	0.417
Calcium		1000	59.2
Chromium		2	0.967
Cobalt		10	1.15
Copper		5	1.3
Iron		30	22.6
Lead		2	0.785
Magnesium		1000	49.9
Manganese		3	1.05
Nickel		8	1.46
Potassium		1000	30.3
Selenium		4	1.38
Silver		2	0.353
Sodium		1000	67.7
Thallium		4	1.77
Vanadium		10	1
Zinc		6	1.46

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-100972-1
SDG Number: _____
Matrix: Solid Instrument ID: ICP5
Method: 6010C XMDL Date: 05/05/2015 12:53

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		200	69.5
Antimony		20	4.7
Arsenic		15	4.41
Barium		200	5.49
Beryllium		2	1.8
Cadmium		4	2.32
Calcium		5000	317
Chromium		10	4.5
Cobalt		50	5.08
Copper		25	5.02
Iron		150	65.4
Lead		10	4.16
Magnesium		5000	260
Manganese		15	4.88
Nickel		40	5.39
Potassium		5000	122
Selenium		20	6.76
Silver		10	1.86
Sodium		5000	315
Thallium		20	4.52
Vanadium		50	4.37
Zinc		30	5.9

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Edison Job Number: 460-100972-1
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: 460-100972-1
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

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-322001/1-A ^2	09/11/2015 17:07	322001	1.00		50
LCSSRM 460-322001/2-A ^4	09/11/2015 17:07	322001	1.02		50
460-100972-3	09/11/2015 17:07	322001	1.12		50
460-100972-3 DU	09/11/2015 17:07	322001	1.13		50
460-100972-3 MS	09/11/2015 17:07	322001	1.22		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-322469/1-A ^2	09/15/2015 09:54	322469	1.00		50
LCSSRM 460-322469/2-A	09/15/2015 09:54	322469	1.00		50
460-100972-9	09/15/2015 09:54	322469	1.00		50
460-100972-9 DU	09/15/2015 09:54	322469	1.00		50
460-100972-9 MS	09/15/2015 09:54	322469	1.00		50
460-100972-1	09/15/2015 09:54	322469	1.01		50
460-100972-2	09/15/2015 09:54	322469	1.03		50
460-100972-3	09/15/2015 09:54	322469	1.01		50
460-100972-4	09/15/2015 09:54	322469	1.00		50
460-100972-5	09/15/2015 09:54	322469	1.01		50
460-100972-6	09/15/2015 09:54	322469	1.02		50
460-100972-7	09/15/2015 09:54	322469	1.02		50
460-100972-8	09/15/2015 09:54	322469	1.02		50
460-100972-10	09/15/2015 09:54	322469	1.03		50
460-100972-11	09/15/2015 09:54	322469	1.03		50
460-100972-12	09/15/2015 09:54	322469	1.04		50
460-100972-13	09/15/2015 09:54	322469	1.03		50
460-100972-14	09/15/2015 09:54	322469	1.03		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Prep Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-322411/10-A	09/15/2015 04:17	322411	0.60		50
LCSSRM 460-322411/11-A ^20	09/15/2015 04:17	322411	0.60		50
460-100954-E-14-B DU	09/15/2015 04:17	322411	0.64		50
460-100954-E-14-C MS	09/15/2015 04:17	322411	0.64		50
460-100972-1	09/15/2015 04:17	322411	0.64		50
460-100972-2	09/15/2015 04:17	322411	0.67		50
460-100972-3	09/15/2015 04:17	322411	0.61		50
460-100972-4	09/15/2015 04:17	322411	0.67		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Prep Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-322412/10-A	09/15/2015 04:47	322412	0.60		50
LCSSRM 460-322412/11-A ^20	09/15/2015 04:47	322412	0.60		50
460-101015-A-9-D DU	09/15/2015 04:47	322412	0.63		50
460-101015-A-9-E MS	09/15/2015 04:47	322412	0.63		50
460-100972-5	09/15/2015 04:47	322412	0.66		50
460-100972-6	09/15/2015 04:47	322412	0.61		50
460-100972-7	09/15/2015 04:47	322412	0.66		50
460-100972-8	09/15/2015 04:47	322412	0.62		50
460-100972-9	09/15/2015 04:47	322412	0.66		50
460-100972-10	09/15/2015 04:47	322412	0.60		50
460-100972-11	09/15/2015 04:47	322412	0.64		50
460-100972-12	09/15/2015 04:47	322412	0.63		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Prep Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-322635/10-A	09/16/2015 04:20	322635	0.60		50
LCSSRM 460-322635/11-A ^20	09/16/2015 04:20	322635	0.60		50
460-100972-14	09/16/2015 04:20	322635	0.64		50
460-100972-14 DU	09/16/2015 04:20	322635	0.64		50
460-100972-14 MS	09/16/2015 04:20	322635	0.64		50
460-100972-13	09/16/2015 04:20	322635	0.67		50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 09/13/2015 10:05 End Date: 09/14/2015 00:41

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	F e	K	M g	M n	N a	N i	P b	S b	S e	T l	V
ICIS 460-322199/1	1		10:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			10:09																				
ZZZZZZ			10:13																				
ZZZZZZ			10:16																				
ZZZZZZ			10:20																				
ZZZZZZ			10:24																				
ICV 460-322199/7	1		10:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 460-322199/8	1		10:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICVL 460-322199/9	1		10:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 460-322199/10	1		10:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 460-322199/11	1		10:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			10:46																				
ZZZZZZ			10:50																				
ZZZZZZ			10:54																				
ZZZZZZ			10:58																				
ZZZZZZ			11:01																				
ZZZZZZ			11:05																				
ZZZZZZ			11:09																				
ZZZZZZ			11:13																				
CCV 460-322199/20			11:17																				
CCB 460-322199/21			11:20																				
CCVL 460-322199/22			11:24																				
ZZZZZZ			11:28																				
ZZZZZZ			11:32																				
ZZZZZZ			11:36																				
ZZZZZZ			11:39																				
ZZZZZZ			11:43																				
ZZZZZZ			11:47																				
ZZZZZZ			11:51																				
ZZZZZZ			11:54																				
ZZZZZZ			11:58																				
ZZZZZZ			12:02																				
CCV 460-322199/33			12:05																				
CCB 460-322199/34			12:09																				
CCVL 460-322199/35			12:13																				
ZZZZZZ			12:17																				
ZZZZZZ			12:20																				
ZZZZZZ			12:24																				
ZZZZZZ			12:28																				
ZZZZZZ			12:32																				
ZZZZZZ			12:35																				
ZZZZZZ			12:39																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 09/13/2015 10:05 End Date: 09/14/2015 00:41

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	F e	K	M g	M n	N a	N i	P b	S b	S e	T l	V
ZZZZZZ			12:43																				
ZZZZZZ			12:47																				
ZZZZZZ			12:50																				
CCV 460-322199/46			12:54																				
CCB 460-322199/47			12:58																				
CCVL 460-322199/48			13:02																				
ZZZZZZ			13:05																				
ZZZZZZ			13:09																				
ZZZZZZ			13:13																				
ZZZZZZ			13:17																				
ZZZZZZ			13:20																				
ZZZZZZ			13:24																				
ZZZZZZ			13:28																				
ZZZZZZ			13:32																				
ZZZZZZ			13:36																				
ZZZZZZ			13:40																				
CCV 460-322199/59			13:44																				
CCB 460-322199/60			13:47																				
CCVL 460-322199/61			13:51																				
ZZZZZZ			13:55																				
ZZZZZZ			13:59																				
ZZZZZZ			14:03																				
ZZZZZZ			14:07																				
ZZZZZZ			14:11																				
ZZZZZZ			14:15																				
ZZZZZZ			14:19																				
ZZZZZZ			14:23																				
ZZZZZZ			14:27																				
ZZZZZZ			14:31																				
CCV 460-322199/72			14:35																				
CCB 460-322199/73			14:39																				
CCVL 460-322199/74			14:43																				
ZZZZZZ			14:46																				
ZZZZZZ			14:50																				
ZZZZZZ			14:54																				
ZZZZZZ			14:58																				
ZZZZZZ			15:02																				
ZZZZZZ			15:06																				
ZZZZZZ			15:10																				
ZZZZZZ			15:14																				
ZZZZZZ			15:18																				
ZZZZZZ			15:21																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 09/13/2015 10:05 End Date: 09/14/2015 00:41

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	F e	K	M g	M n	N a	N i	P b	S b	S e	T l	V
CCV 460-322199/85			15:25																				
CCB 460-322199/86			15:29																				
CCVL 460-322199/87			15:33																				
ZZZZZZ			15:36																				
ZZZZZZ			15:40																				
ZZZZZZ			15:44																				
ZZZZZZ			15:48																				
ZZZZZZ			15:51																				
ZZZZZZ			15:55																				
ZZZZZZ			15:59																				
ZZZZZZ			16:03																				
ZZZZZZ			16:06																				
ZZZZZZ			16:10																				
CCV 460-322199/98	1		16:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-322199/99	1		16:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCVL 460-322199/100	1		16:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			16:25																				
ZZZZZZ			16:29																				
460-100972-3 PDS	4	T	16:33	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	
460-100972-3 MS	4	T	16:36	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	
460-100972-3 DU	4	T	16:40	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	
460-100972-3	4	T	16:44	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	
460-100972-3 SD	20	T	16:47	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			16:51																				
ZZZZZZ			16:55																				
LCSSRM 460-322001/2-A ^4	4	T	16:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCV 460-322199/111	1		17:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-322199/112	1		17:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCVL 460-322199/113	1		17:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MB 460-322001/1-A ^2	2	T	17:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			17:17																				
ZZZZZZ			17:21																				
ZZZZZZ			17:25																				
ZZZZZZ			17:29																				
ZZZZZZ			17:32																				
ZZZZZZ			17:36																				
ZZZZZZ			17:40																				
ZZZZZZ			17:43																				
ZZZZZZ			17:47																				
CCV 460-322199/124	1		17:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-322199/125	1		17:54	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.: 460-100972-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 09/13/2015 10:05 End Date: 09/14/2015 00:41

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	F e	K	M g	M n	N a	N i	P b	S b	S e	T l	V
CCVL 460-322199/126	1		17:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			18:02																				
ZZZZZZ			18:06																				
ZZZZZZ			18:10																				
ZZZZZZ			18:13																				
ZZZZZZ			18:17																				
ZZZZZZ			18:21																				
ZZZZZZ			18:24																				
ZZZZZZ			18:28																				
ZZZZZZ			18:32																				
ZZZZZZ			18:36																				
CCV 460-322199/137	1		18:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-322199/138	1		18:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-322199/139	1		18:47	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			18:51																				
ZZZZZZ			18:55																				
ZZZZZZ			18:58																				
ZZZZZZ			19:02																				
ZZZZZZ			19:06																				
ZZZZZZ			19:10																				
ZZZZZZ			19:14																				
ZZZZZZ			19:18																				
ZZZZZZ			19:22																				
ZZZZZZ			19:26																				
CCV 460-322199/150			19:30																				
CCB 460-322199/151			19:33																				
CCVL 460-322199/152			19:37																				
ZZZZZZ			19:42																				
ZZZZZZ			19:46																				
ZZZZZZ			19:50																				
ZZZZZZ			19:54																				
ZZZZZZ			19:58																				
ZZZZZZ			20:02																				
ZZZZZZ			20:05																				
ZZZZZZ			20:09																				
ZZZZZZ			20:13																				
ZZZZZZ			20:16																				
CCV 460-322199/163	1		20:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-322199/164	1		20:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-322199/165	1		20:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			20:31																				
ZZZZZZ			20:35																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 09/13/2015 10:05 End Date: 09/14/2015 00:41

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	F e	K	M g	M n	N a	N i	P b	S b	S e	T l	V
ZZZZZZZ			20:39																				
ZZZZZZZ			20:42																				
ZZZZZZZ			20:46																				
ZZZZZZZ			20:50																				
ZZZZZZZ			20:54																				
460-100972-3 PDS	10	T	20:57						X														
460-100972-3 MS	10	T	21:01						X														
460-100972-3 DU	10	T	21:05						X														
CCV 460-322199/176	1		21:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-322199/177	1		21:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-322199/178	1		21:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-100972-3	10	T	21:20						X														
460-100972-3 SD	50	T	21:23						X														
ZZZZZZZ			21:27																				
ZZZZZZZ			21:31																				
ZZZZZZZ			21:35																				
ZZZZZZZ			21:38																				
ZZZZZZZ			21:42																				
ZZZZZZZ			21:46																				
ZZZZZZZ			21:49																				
ZZZZZZZ			21:53																				
CCV 460-322199/189	1		21:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-322199/190	1		22:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-322199/191	1		22:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZZ			22:08																				
ZZZZZZZ			22:12																				
ZZZZZZZ			22:15																				
ZZZZZZZ			22:19																				
ZZZZZZZ			22:23																				
ZZZZZZZ			22:27																				
ZZZZZZZ			22:30																				
ZZZZZZZ			22:34																				
ZZZZZZZ			22:38																				
ZZZZZZZ			22:42																				
CCV 460-322199/202			22:45																				
CCB 460-322199/203			22:49																				
CCVL 460-322199/204			22:53																				
ZZZZZZZ			22:57																				
ZZZZZZZ			23:00																				
ZZZZZZZ			23:04																				
ZZZZZZZ			23:08																				
ZZZZZZZ			23:12																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 09/13/2015 10:05 End Date: 09/14/2015 00:41

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	F e	K	M g	M n	N a	N i	P b	S b	S e	T l	V
ZZZZZZ			23:15																				
ZZZZZZ			23:19																				
ZZZZZZ			23:23																				
ZZZZZZ			23:26																				
ZZZZZZ			23:30																				
CCV 460-322199/215	1		23:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-322199/216	1		23:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCVL 460-322199/217	1		23:41	X	X	X	X	X	X	X	X	X		X	X	X	X	X		X	X	X	
ZZZZZZ			23:45																				
ZZZZZZ			23:49																				
ZZZZZZ			23:53																				
ZZZZZZ			23:56																				
ZZZZZZ			00:00																				
ZZZZZZ			00:04																				
ZZZZZZ			00:07																				
ZZZZZZ			00:11																				
ZZZZZZ			00:15																				
ZZZZZZ			00:19																				
CCV 460-322199/228	1		00:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-322199/229	1		00:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCVL 460-322199/230	1		00:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCV 460-322199/231			00:34																				
CCB 460-322199/232			00:37																				
CCVL 460-322199/233			00:41																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 09/13/2015 10:05 End Date: 09/14/2015 00:41

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				Z n																	
ICIS 460-322199/1	1		10:05	X																	
ZZZZZZ			10:09																		
ZZZZZZ			10:13																		
ZZZZZZ			10:16																		
ZZZZZZ			10:20																		
ZZZZZZ			10:24																		
ICV 460-322199/7	1		10:27	X																	
ICB 460-322199/8	1		10:31	X																	
ICVL 460-322199/9	1		10:35	X																	
ICSA 460-322199/10	1		10:39	X																	
ICSAB 460-322199/11	1		10:43	X																	
ZZZZZZ			10:46																		
ZZZZZZ			10:50																		
ZZZZZZ			10:54																		
ZZZZZZ			10:58																		
ZZZZZZ			11:01																		
ZZZZZZ			11:05																		
ZZZZZZ			11:09																		
ZZZZZZ			11:13																		
CCV 460-322199/20			11:17																		
CCB 460-322199/21			11:20																		
CCVL 460-322199/22			11:24																		
ZZZZZZ			11:28																		
ZZZZZZ			11:32																		
ZZZZZZ			11:36																		
ZZZZZZ			11:39																		
ZZZZZZ			11:43																		
ZZZZZZ			11:47																		
ZZZZZZ			11:51																		
ZZZZZZ			11:54																		
ZZZZZZ			11:58																		
ZZZZZZ			12:02																		
CCV 460-322199/33			12:05																		
CCB 460-322199/34			12:09																		
CCVL 460-322199/35			12:13																		
ZZZZZZ			12:17																		
ZZZZZZ			12:20																		
ZZZZZZ			12:24																		
ZZZZZZ			12:28																		
ZZZZZZ			12:32																		
ZZZZZZ			12:35																		
ZZZZZZ			12:39																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 09/13/2015 10:05 End Date: 09/14/2015 00:41

Lab Sample ID	D / F	T y p e	Time	Analytes															
				Z n															
ZZZZZZ			12:43																
ZZZZZZ			12:47																
ZZZZZZ			12:50																
CCV 460-322199/46			12:54																
CCB 460-322199/47			12:58																
CCVL 460-322199/48			13:02																
ZZZZZZ			13:05																
ZZZZZZ			13:09																
ZZZZZZ			13:13																
ZZZZZZ			13:17																
ZZZZZZ			13:20																
ZZZZZZ			13:24																
ZZZZZZ			13:28																
ZZZZZZ			13:32																
ZZZZZZ			13:36																
ZZZZZZ			13:40																
CCV 460-322199/59			13:44																
CCB 460-322199/60			13:47																
CCVL 460-322199/61			13:51																
ZZZZZZ			13:55																
ZZZZZZ			13:59																
ZZZZZZ			14:03																
ZZZZZZ			14:07																
ZZZZZZ			14:11																
ZZZZZZ			14:15																
ZZZZZZ			14:19																
ZZZZZZ			14:23																
ZZZZZZ			14:27																
ZZZZZZ			14:31																
CCV 460-322199/72			14:35																
CCB 460-322199/73			14:39																
CCVL 460-322199/74			14:43																
ZZZZZZ			14:46																
ZZZZZZ			14:50																
ZZZZZZ			14:54																
ZZZZZZ			14:58																
ZZZZZZ			15:02																
ZZZZZZ			15:06																
ZZZZZZ			15:10																
ZZZZZZ			15:14																
ZZZZZZ			15:18																
ZZZZZZ			15:21																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 09/13/2015 10:05 End Date: 09/14/2015 00:41

Lab Sample ID	D / F	T y p e	Time	Analytes															
				Z n															
CCV 460-322199/85			15:25																
CCB 460-322199/86			15:29																
CCVL 460-322199/87			15:33																
ZZZZZZ			15:36																
ZZZZZZ			15:40																
ZZZZZZ			15:44																
ZZZZZZ			15:48																
ZZZZZZ			15:51																
ZZZZZZ			15:55																
ZZZZZZ			15:59																
ZZZZZZ			16:03																
ZZZZZZ			16:06																
ZZZZZZ			16:10																
CCV 460-322199/98	1		16:14	X															
CCB 460-322199/99	1		16:17	X															
CCVL 460-322199/100	1		16:21	X															
ZZZZZZ			16:25																
ZZZZZZ			16:29																
460-100972-3 PDS	4	T	16:33	X															
460-100972-3 MS	4	T	16:36	X															
460-100972-3 DU	4	T	16:40	X															
460-100972-3	4	T	16:44	X															
460-100972-3 SD	20	T	16:47	X															
ZZZZZZ			16:51																
ZZZZZZ			16:55																
LCSSRM 460-322001/2-A ^4	4	T	16:59	X															
CCV 460-322199/111	1		17:02	X															
CCB 460-322199/112	1		17:06	X															
CCVL 460-322199/113	1		17:10	X															
MB 460-322001/1-A ^2	2	T	17:14	X															
ZZZZZZ			17:17																
ZZZZZZ			17:21																
ZZZZZZ			17:25																
ZZZZZZ			17:29																
ZZZZZZ			17:32																
ZZZZZZ			17:36																
ZZZZZZ			17:40																
ZZZZZZ			17:43																
ZZZZZZ			17:47																
CCV 460-322199/124	1		17:51	X															
CCB 460-322199/125	1		17:54	X															

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 09/13/2015 10:05 End Date: 09/14/2015 00:41

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				Z n																	
CCVL 460-322199/126	1		17:58	X																	
ZZZZZZ			18:02																		
ZZZZZZ			18:06																		
ZZZZZZ			18:10																		
ZZZZZZ			18:13																		
ZZZZZZ			18:17																		
ZZZZZZ			18:21																		
ZZZZZZ			18:24																		
ZZZZZZ			18:28																		
ZZZZZZ			18:32																		
ZZZZZZ			18:36																		
CCV 460-322199/137	1		18:39	X																	
CCB 460-322199/138	1		18:43	X																	
CCVL 460-322199/139	1		18:47	X																	
ZZZZZZ			18:51																		
ZZZZZZ			18:55																		
ZZZZZZ			18:58																		
ZZZZZZ			19:02																		
ZZZZZZ			19:06																		
ZZZZZZ			19:10																		
ZZZZZZ			19:14																		
ZZZZZZ			19:18																		
ZZZZZZ			19:22																		
ZZZZZZ			19:26																		
CCV 460-322199/150			19:30																		
CCB 460-322199/151			19:33																		
CCVL 460-322199/152			19:37																		
ZZZZZZ			19:42																		
ZZZZZZ			19:46																		
ZZZZZZ			19:50																		
ZZZZZZ			19:54																		
ZZZZZZ			19:58																		
ZZZZZZ			20:02																		
ZZZZZZ			20:05																		
ZZZZZZ			20:09																		
ZZZZZZ			20:13																		
ZZZZZZ			20:16																		
CCV 460-322199/163	1		20:20	X																	
CCB 460-322199/164	1		20:24	X																	
CCVL 460-322199/165	1		20:28	X																	
ZZZZZZ			20:31																		
ZZZZZZ			20:35																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 09/13/2015 10:05 End Date: 09/14/2015 00:41

Lab Sample ID	D / F	T y p e	Time	Analytes															
				Z n															
ZZZZZZ			20:39																
ZZZZZZ			20:42																
ZZZZZZ			20:46																
ZZZZZZ			20:50																
ZZZZZZ			20:54																
460-100972-3 PDS	10	T	20:57																
460-100972-3 MS	10	T	21:01																
460-100972-3 DU	10	T	21:05																
CCV 460-322199/176	1		21:08	X															
CCB 460-322199/177	1		21:12	X															
CCVL 460-322199/178	1		21:16	X															
460-100972-3	10	T	21:20																
460-100972-3 SD	50	T	21:23																
ZZZZZZ			21:27																
ZZZZZZ			21:31																
ZZZZZZ			21:35																
ZZZZZZ			21:38																
ZZZZZZ			21:42																
ZZZZZZ			21:46																
ZZZZZZ			21:49																
ZZZZZZ			21:53																
CCV 460-322199/189	1		21:56	X															
CCB 460-322199/190	1		22:00	X															
CCVL 460-322199/191	1		22:04	X															
ZZZZZZ			22:08																
ZZZZZZ			22:12																
ZZZZZZ			22:15																
ZZZZZZ			22:19																
ZZZZZZ			22:23																
ZZZZZZ			22:27																
ZZZZZZ			22:30																
ZZZZZZ			22:34																
ZZZZZZ			22:38																
ZZZZZZ			22:42																
CCV 460-322199/202			22:45																
CCB 460-322199/203			22:49																
CCVL 460-322199/204			22:53																
ZZZZZZ			22:57																
ZZZZZZ			23:00																
ZZZZZZ			23:04																
ZZZZZZ			23:08																
ZZZZZZ			23:12																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 09/13/2015 10:05 End Date: 09/14/2015 00:41

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				Z n																	
ZZZZZZ			23:15																		
ZZZZZZ			23:19																		
ZZZZZZ			23:23																		
ZZZZZZ			23:26																		
ZZZZZZ			23:30																		
CCV 460-322199/215	1		23:34	X																	
CCB 460-322199/216	1		23:38	X																	
CCVL 460-322199/217	1		23:41	X																	
ZZZZZZ			23:45																		
ZZZZZZ			23:49																		
ZZZZZZ			23:53																		
ZZZZZZ			23:56																		
ZZZZZZ			00:00																		
ZZZZZZ			00:04																		
ZZZZZZ			00:07																		
ZZZZZZ			00:11																		
ZZZZZZ			00:15																		
ZZZZZZ			00:19																		
CCV 460-322199/228	1		00:22	X																	
CCB 460-322199/229	1		00:26	X																	
CCVL 460-322199/230	1		00:30	X																	
CCV 460-322199/231			00:34																		
CCB 460-322199/232			00:37																		
CCVL 460-322199/233			00:41																		

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 09/15/2015 15:47 End Date: 09/16/2015 04:28

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
ICIS 460-322700/1	1		15:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			15:51																				
ZZZZZZ			15:55																				
ZZZZZZ			15:58																				
ZZZZZZ			16:02																				
ZZZZZZ			16:05																				
ICV 460-322700/7	1		16:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICB 460-322700/8	1		16:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICVL 460-322700/9	1		16:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSA 460-322700/10	1		16:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSAB 460-322700/11	1		16:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			16:28																				
ZZZZZZ			16:32																				
ZZZZZZ			16:36																				
ZZZZZZ			16:40																				
ZZZZZZ			16:43																				
ZZZZZZ			16:47																				
ZZZZZZ			16:51																				
ZZZZZZ			16:55																				
CCV 460-322700/20	1		16:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-322700/21	1		17:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCVL 460-322700/22	1		17:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			17:10																				
MB 460-322469/1-A ^2	2	T	17:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
LCSSRM 460-322469/2-A	4	T	17:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-100972-9 DU	4	T	17:21	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	
460-100972-9	4	T	17:24	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	
460-100972-9 SD	20	T	17:28	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	
460-100972-9 MS	4	T	17:32	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	
460-100972-9 PDS	4	T	17:36	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	
460-100972-1	4	T	17:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-100972-2	4	T	17:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCV 460-322700/33	1		17:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-322700/34	1		17:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCVL 460-322700/35	1		17:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-100972-3	4	T	17:58										X										
460-100972-4	4	T	18:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-100972-5	4	T	18:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-100972-6	4	T	18:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-100972-7	4	T	18:12	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	
460-100972-8	4	T	18:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-100972-10	4	T	18:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 09/15/2015 15:47 End Date: 09/16/2015 04:28

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
460-100972-11	4	T	18:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-100972-12	4	T	18:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-100972-13	4	T	18:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 460-322700/46	1		18:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-322700/47	1		18:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-322700/48	1		18:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-100972-14	4	T	18:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			18:49																				
ZZZZZZ			18:53																				
ZZZZZZ			18:57																				
ZZZZZZ			19:00																				
ZZZZZZ			19:04																				
ZZZZZZ			19:08																				
ZZZZZZ			19:12																				
ZZZZZZ			19:15																				
ZZZZZZ			19:19																				
CCV 460-322700/59	1		19:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-322700/60	1		19:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-322700/61	1		19:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			19:34																				
ZZZZZZ			19:38																				
ZZZZZZ			19:42																				
ZZZZZZ			19:46																				
ZZZZZZ			19:49																				
ZZZZZZ			19:53																				
ZZZZZZ			19:57																				
ZZZZZZ			20:01																				
ZZZZZZ			20:05																				
ZZZZZZ			20:09																				
CCV 460-322700/72			20:13																				
CCB 460-322700/73			20:16																				
CCVL 460-322700/74			20:20																				
ZZZZZZ			20:24																				
ZZZZZZ			20:28																				
ZZZZZZ			20:32																				
ZZZZZZ			20:36																				
ZZZZZZ			20:39																				
ZZZZZZ			20:43																				
ZZZZZZ			20:47																				
ZZZZZZ			20:50																				
ZZZZZZ			20:54																				
ZZZZZZ			20:58																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 09/15/2015 15:47 End Date: 09/16/2015 04:28

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
CCV 460-322700/85	1		21:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-322700/86	1		21:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-322700/87	1		21:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			21:13																				
ZZZZZZ			21:16																				
ZZZZZZ			21:20																				
460-100972-9 PDS	20	T	21:24						X														
460-100972-9 MS	20	T	21:27						X														
460-100972-9 DU	20	T	21:31						X														
460-100972-9	20	T	21:35						X														
460-100972-9 SD	100	T	21:39						X														
ZZZZZZ			21:42																				
ZZZZZZ			21:46																				
CCV 460-322700/98	1		21:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-322700/99	1		21:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 460-322700/100	1		21:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			22:01																				
ZZZZZZ			22:05																				
ZZZZZZ			22:08																				
ZZZZZZ			22:12																				
ZZZZZZ			22:15																				
ZZZZZZ			22:19																				
ZZZZZZ			22:23																				
ZZZZZZ			22:27																				
ZZZZZZ			22:30																				
ZZZZZZ			22:34																				
CCV 460-322700/111			22:38																				
CCB 460-322700/112			22:42																				
CCVL 460-322700/113			22:45																				
ZZZZZZ			22:49																				
ZZZZZZ			22:53																				
ZZZZZZ			22:57																				
ZZZZZZ			23:00																				
ZZZZZZ			23:04																				
ZZZZZZ			23:08																				
ZZZZZZ			23:12																				
ZZZZZZ			23:15																				
ZZZZZZ			23:19																				
ZZZZZZ			23:23																				
CCV 460-322700/124			23:26																				
CCB 460-322700/125			23:30																				
CCVL 460-322700/126			23:34																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 09/15/2015 15:47 End Date: 09/16/2015 04:28

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
ZZZZZZ			23:38																			
ZZZZZZ			23:41																			
ZZZZZZ			23:45																			
ZZZZZZ			23:49																			
ZZZZZZ			23:52																			
ZZZZZZ			23:56																			
ZZZZZZ			00:00																			
ZZZZZZ			00:04																			
ZZZZZZ			00:08																			
ZZZZZZ			00:11																			
CCV 460-322700/137			00:15																			
CCB 460-322700/138			00:18																			
CCVL 460-322700/139			00:22																			
ZZZZZZ			00:26																			
ZZZZZZ			00:30																			
ZZZZZZ			00:34																			
ZZZZZZ			00:38																			
ZZZZZZ			00:42																			
ZZZZZZ			00:46																			
ZZZZZZ			00:50																			
ZZZZZZ			00:54																			
ZZZZZZ			00:58																			
ZZZZZZ			01:02																			
CCV 460-322700/150			01:06																			
CCB 460-322700/151			01:09																			
CCVL 460-322700/152			01:13																			
ZZZZZZ			01:17																			
ZZZZZZ			01:21																			
ZZZZZZ			01:25																			
ZZZZZZ			01:29																			
ZZZZZZ			01:33																			
ZZZZZZ			01:36																			
ZZZZZZ			01:40																			
ZZZZZZ			01:44																			
ZZZZZZ			01:48																			
ZZZZZZ			01:52																			
CCV 460-322700/163			01:56																			
CCB 460-322700/164			02:00																			
CCVL 460-322700/165			02:04																			
ZZZZZZ			02:08																			
ZZZZZZ			02:11																			
ZZZZZZ			02:15																			

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 09/15/2015 15:47 End Date: 09/16/2015 04:28

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
ZZZZZZZ			02:19																				
ZZZZZZZ			02:23																				
ZZZZZZZ			02:26																				
ZZZZZZZ			02:30																				
ZZZZZZZ			02:34																				
ZZZZZZZ			02:38																				
ZZZZZZZ			02:41																				
CCV 460-322700/176			02:45																				
CCB 460-322700/177			02:49																				
CCVL 460-322700/178			02:53																				
ZZZZZZZ			02:57																				
ZZZZZZZ			03:00																				
ZZZZZZZ			03:04																				
ZZZZZZZ			03:08																				
ZZZZZZZ			03:12																				
ZZZZZZZ			03:16																				
ZZZZZZZ			03:20																				
ZZZZZZZ			03:23																				
ZZZZZZZ			03:27																				
ZZZZZZZ			03:31																				
CCV 460-322700/189			03:35																				
CCB 460-322700/190			03:39																				
CCVL 460-322700/191			03:42																				
ZZZZZZZ			03:46																				
ZZZZZZZ			03:50																				
ZZZZZZZ			03:54																				
ZZZZZZZ			03:58																				
ZZZZZZZ			04:02																				
ZZZZZZZ			04:05																				
ZZZZZZZ			04:09																				
ZZZZZZZ			04:13																				
ZZZZZZZ			04:17																				
CCV 460-322700/201			04:20																				
CCB 460-322700/202			04:24																				
CCVL 460-322700/203			04:28																				

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ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 09/15/2015 15:47 End Date: 09/16/2015 04:28

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ICIS 460-322700/1	1		15:47	X	X																
ZZZZZZ			15:51																		
ZZZZZZ			15:55																		
ZZZZZZ			15:58																		
ZZZZZZ			16:02																		
ZZZZZZ			16:05																		
ICV 460-322700/7	1		16:09	X	X																
ICB 460-322700/8	1		16:13	X	X																
ICVL 460-322700/9	1		16:17	X	X																
ICSA 460-322700/10	1		16:20	X	X																
ICSAB 460-322700/11	1		16:25	X	X																
ZZZZZZ			16:28																		
ZZZZZZ			16:32																		
ZZZZZZ			16:36																		
ZZZZZZ			16:40																		
ZZZZZZ			16:43																		
ZZZZZZ			16:47																		
ZZZZZZ			16:51																		
ZZZZZZ			16:55																		
CCV 460-322700/20	1		16:59	X	X																
CCB 460-322700/21	1		17:02	X	X																
CCVL 460-322700/22	1		17:06	X	X																
ZZZZZZ			17:10																		
MB 460-322469/1-A ^2	2	T	17:13	X	X																
LCSSRM 460-322469/2-A	4	T	17:17	X	X																
460-100972-9 DU	4	T	17:21	X	X																
460-100972-9	4	T	17:24	X	X																
460-100972-9 SD	20	T	17:28	X	X																
460-100972-9 MS	4	T	17:32	X	X																
460-100972-9 PDS	4	T	17:36	X	X																
460-100972-1	4	T	17:39	X	X																
460-100972-2	4	T	17:43	X	X																
CCV 460-322700/33	1		17:47	X	X																
CCB 460-322700/34	1		17:50	X	X																
CCVL 460-322700/35	1		17:54	X	X																
460-100972-3	4	T	17:58																		
460-100972-4	4	T	18:01	X	X																
460-100972-5	4	T	18:05	X	X																
460-100972-6	4	T	18:09	X	X																
460-100972-7	4	T	18:12	X	X																
460-100972-8	4	T	18:16	X	X																
460-100972-10	4	T	18:20	X	X																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 09/15/2015 15:47 End Date: 09/16/2015 04:28

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
460-100972-11	4	T	18:23	X	X																
460-100972-12	4	T	18:27	X	X																
460-100972-13	4	T	18:31	X	X																
CCV 460-322700/46	1		18:35	X	X																
CCB 460-322700/47	1		18:38	X	X																
CCVL 460-322700/48	1		18:42	X	X																
460-100972-14	4	T	18:46	X	X																
ZZZZZZ			18:49																		
ZZZZZZ			18:53																		
ZZZZZZ			18:57																		
ZZZZZZ			19:00																		
ZZZZZZ			19:04																		
ZZZZZZ			19:08																		
ZZZZZZ			19:12																		
ZZZZZZ			19:15																		
ZZZZZZ			19:19																		
CCV 460-322700/59	1		19:23	X	X																
CCB 460-322700/60	1		19:26	X	X																
CCVL 460-322700/61	1		19:30	X	X																
ZZZZZZ			19:34																		
ZZZZZZ			19:38																		
ZZZZZZ			19:42																		
ZZZZZZ			19:46																		
ZZZZZZ			19:49																		
ZZZZZZ			19:53																		
ZZZZZZ			19:57																		
ZZZZZZ			20:01																		
ZZZZZZ			20:05																		
ZZZZZZ			20:09																		
CCV 460-322700/72			20:13																		
CCB 460-322700/73			20:16																		
CCVL 460-322700/74			20:20																		
ZZZZZZ			20:24																		
ZZZZZZ			20:28																		
ZZZZZZ			20:32																		
ZZZZZZ			20:36																		
ZZZZZZ			20:39																		
ZZZZZZ			20:43																		
ZZZZZZ			20:47																		
ZZZZZZ			20:50																		
ZZZZZZ			20:54																		
ZZZZZZ			20:58																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 09/15/2015 15:47 End Date: 09/16/2015 04:28

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
CCV 460-322700/85	1		21:02	X	X																
CCB 460-322700/86	1		21:05	X	X																
CCVL 460-322700/87	1		21:09	X	X																
ZZZZZZ			21:13																		
ZZZZZZ			21:16																		
ZZZZZZ			21:20																		
460-100972-9 PDS	20	T	21:24																		
460-100972-9 MS	20	T	21:27																		
460-100972-9 DU	20	T	21:31																		
460-100972-9	20	T	21:35																		
460-100972-9 SD	100	T	21:39																		
ZZZZZZ			21:42																		
ZZZZZZ			21:46																		
CCV 460-322700/98	1		21:50	X	X																
CCB 460-322700/99	1		21:53	X	X																
CCVL 460-322700/100	1		21:57	X	X																
ZZZZZZ			22:01																		
ZZZZZZ			22:05																		
ZZZZZZ			22:08																		
ZZZZZZ			22:12																		
ZZZZZZ			22:15																		
ZZZZZZ			22:19																		
ZZZZZZ			22:23																		
ZZZZZZ			22:27																		
ZZZZZZ			22:30																		
ZZZZZZ			22:34																		
CCV 460-322700/111			22:38																		
CCB 460-322700/112			22:42																		
CCVL 460-322700/113			22:45																		
ZZZZZZ			22:49																		
ZZZZZZ			22:53																		
ZZZZZZ			22:57																		
ZZZZZZ			23:00																		
ZZZZZZ			23:04																		
ZZZZZZ			23:08																		
ZZZZZZ			23:12																		
ZZZZZZ			23:15																		
ZZZZZZ			23:19																		
ZZZZZZ			23:23																		
CCV 460-322700/124			23:26																		
CCB 460-322700/125			23:30																		
CCVL 460-322700/126			23:34																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 09/15/2015 15:47 End Date: 09/16/2015 04:28

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			23:38																		
ZZZZZZ			23:41																		
ZZZZZZ			23:45																		
ZZZZZZ			23:49																		
ZZZZZZ			23:52																		
ZZZZZZ			23:56																		
ZZZZZZ			00:00																		
ZZZZZZ			00:04																		
ZZZZZZ			00:08																		
ZZZZZZ			00:11																		
CCV 460-322700/137			00:15																		
CCB 460-322700/138			00:18																		
CCVL 460-322700/139			00:22																		
ZZZZZZ			00:26																		
ZZZZZZ			00:30																		
ZZZZZZ			00:34																		
ZZZZZZ			00:38																		
ZZZZZZ			00:42																		
ZZZZZZ			00:46																		
ZZZZZZ			00:50																		
ZZZZZZ			00:54																		
ZZZZZZ			00:58																		
ZZZZZZ			01:02																		
CCV 460-322700/150			01:06																		
CCB 460-322700/151			01:09																		
CCVL 460-322700/152			01:13																		
ZZZZZZ			01:17																		
ZZZZZZ			01:21																		
ZZZZZZ			01:25																		
ZZZZZZ			01:29																		
ZZZZZZ			01:33																		
ZZZZZZ			01:36																		
ZZZZZZ			01:40																		
ZZZZZZ			01:44																		
ZZZZZZ			01:48																		
ZZZZZZ			01:52																		
CCV 460-322700/163			01:56																		
CCB 460-322700/164			02:00																		
CCVL 460-322700/165			02:04																		
ZZZZZZ			02:08																		
ZZZZZZ			02:11																		
ZZZZZZ			02:15																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 09/15/2015 15:47 End Date: 09/16/2015 04:28

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				V	Z n																
ZZZZZZ			02:19																		
ZZZZZZ			02:23																		
ZZZZZZ			02:26																		
ZZZZZZ			02:30																		
ZZZZZZ			02:34																		
ZZZZZZ			02:38																		
ZZZZZZ			02:41																		
CCV 460-322700/176			02:45																		
CCB 460-322700/177			02:49																		
CCVL 460-322700/178			02:53																		
ZZZZZZ			02:57																		
ZZZZZZ			03:00																		
ZZZZZZ			03:04																		
ZZZZZZ			03:08																		
ZZZZZZ			03:12																		
ZZZZZZ			03:16																		
ZZZZZZ			03:20																		
ZZZZZZ			03:23																		
ZZZZZZ			03:27																		
ZZZZZZ			03:31																		
CCV 460-322700/189			03:35																		
CCB 460-322700/190			03:39																		
CCVL 460-322700/191			03:42																		
ZZZZZZ			03:46																		
ZZZZZZ			03:50																		
ZZZZZZ			03:54																		
ZZZZZZ			03:58																		
ZZZZZZ			04:02																		
ZZZZZZ			04:05																		
ZZZZZZ			04:09																		
ZZZZZZ			04:13																		
ZZZZZZ			04:17																		
CCV 460-322700/201			04:20																		
CCB 460-322700/202			04:24																		
CCVL 460-322700/203			04:28																		

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 09/16/2015 10:21 End Date: 09/17/2015 02:51

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				C a																	
ICIS 460-322801/1	1		10:21	X																	
ZZZZZZ			10:25																		
ZZZZZZ			10:29																		
ZZZZZZ			10:33																		
ZZZZZZ			10:36																		
ZZZZZZ			10:40																		
ICV 460-322801/7	1		10:48	X																	
ICB 460-322801/8	1		10:52	X																	
ICVL 460-322801/9	1		10:56	X																	
ICSA 460-322801/10	1		10:59	X																	
ICSAB 460-322801/11	1		11:04	X																	
ZZZZZZ			11:07																		
ZZZZZZ			11:11																		
ZZZZZZ			11:15																		
ZZZZZZ			11:19																		
ZZZZZZ			11:23																		
ZZZZZZ			11:27																		
ZZZZZZ			11:31																		
ZZZZZZ			11:35																		
CCV 460-322801/20			11:39																		
CCB 460-322801/21			11:42																		
CCVL 460-322801/22			11:46																		
ZZZZZZ			11:49																		
ZZZZZZ			11:53																		
ZZZZZZ			11:57																		
ZZZZZZ			12:01																		
ZZZZZZ			12:05																		
ZZZZZZ			12:09																		
ZZZZZZ			12:13																		
ZZZZZZ			12:17																		
ZZZZZZ			12:20																		
ZZZZZZ			12:24																		
CCV 460-322801/33			12:27																		
CCB 460-322801/34			12:31																		
CCVL 460-322801/35			12:35																		
ZZZZZZ			12:46																		
ZZZZZZ			12:49																		
ZZZZZZ			12:53																		
ZZZZZZ			12:57																		
ZZZZZZ			13:00																		
ZZZZZZ			13:04																		
ZZZZZZ			13:07																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 09/16/2015 10:21 End Date: 09/17/2015 02:51

Lab Sample ID	D / F	T y p e	Time	Analytes															
				C a															
ZZZZZZ			13:11																
ZZZZZZ			13:15																
ZZZZZZ			13:18																
CCV 460-322801/46			13:22																
CCB 460-322801/47			13:25																
CCVL 460-322801/48			13:29																
ZZZZZZ			13:33																
ZZZZZZ			13:36																
ZZZZZZ			13:40																
ZZZZZZ			13:44																
ZZZZZZ			13:47																
ZZZZZZ			13:51																
ZZZZZZ			13:54																
ZZZZZZ			13:58																
ZZZZZZ			14:02																
ZZZZZZ			14:05																
CCV 460-322801/59	1		14:09	X															
CCB 460-322801/60	1		14:12	X															
CCVL 460-322801/61	1		14:16	X															
ZZZZZZ			14:45																
460-100972-7	10	T	14:49	X															
ZZZZZZ			14:53																
ZZZZZZ			14:56																
ZZZZZZ			15:00																
ZZZZZZ			15:04																
ZZZZZZ			15:07																
ZZZZZZ			15:11																
ZZZZZZ			15:15																
ZZZZZZ			15:18																
CCV 460-322801/72	1		15:22	X															
CCB 460-322801/73	1		15:26	X															
CCVL 460-322801/74	1		15:30	X															
ZZZZZZ			15:33																
ZZZZZZ			15:37																
ZZZZZZ			15:41																
ZZZZZZ			15:45																
ZZZZZZ			15:48																
ZZZZZZ			15:52																
ZZZZZZ			15:56																
ZZZZZZ			15:59																
ZZZZZZ			16:03																
ZZZZZZ			16:07																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 09/16/2015 10:21 End Date: 09/17/2015 02:51

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				C	a																
CCV 460-322801/85			16:11																		
CCB 460-322801/86			16:14																		
CCVL 460-322801/87			16:18																		
ZZZZZZ			16:27																		
ZZZZZZ			16:31																		
ZZZZZZ			16:35																		
ZZZZZZ			16:38																		
ZZZZZZ			16:42																		
ZZZZZZ			16:46																		
ZZZZZZ			16:49																		
ZZZZZZ			16:53																		
ZZZZZZ			16:57																		
ZZZZZZ			17:01																		
CCV 460-322801/98			17:04																		
CCB 460-322801/99			17:08																		
CCVL 460-322801/100			17:12																		
ZZZZZZ			17:15																		
ZZZZZZ			17:19																		
ZZZZZZ			17:23																		
ZZZZZZ			17:27																		
ZZZZZZ			17:30																		
ZZZZZZ			17:34																		
ZZZZZZ			17:38																		
ZZZZZZ			17:42																		
ZZZZZZ			17:45																		
ZZZZZZ			17:49																		
CCV 460-322801/111			17:53																		
CCB 460-322801/112			17:56																		
CCVL 460-322801/113			18:00																		
ZZZZZZ			18:04																		
ZZZZZZ			18:08																		
ZZZZZZ			18:12																		
ZZZZZZ			18:15																		
ZZZZZZ			18:19																		
ZZZZZZ			18:23																		
ZZZZZZ			18:27																		
ZZZZZZ			18:30																		
ZZZZZZ			18:34																		
ZZZZZZ			18:38																		
CCV 460-322801/124			18:42																		
CCB 460-322801/125			18:45																		
CCVL 460-322801/126			18:49																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 09/16/2015 10:21 End Date: 09/17/2015 02:51

Lab Sample ID	D / F	T y p e	Time	Analytes															
				C	a														
ZZZZZZ			19:01																
ZZZZZZ			19:04																
ZZZZZZ			19:08																
ZZZZZZ			19:12																
ZZZZZZ			19:15																
ZZZZZZ			19:19																
ZZZZZZ			19:23																
ZZZZZZ			19:27																
ZZZZZZ			19:30																
ZZZZZZ			19:34																
CCV 460-322801/137			19:38																
CCB 460-322801/138			19:41																
CCVL 460-322801/139			19:45																
ZZZZZZ			19:49																
ZZZZZZ			19:53																
ZZZZZZ			19:57																
ZZZZZZ			20:00																
ZZZZZZ			20:04																
ZZZZZZ			20:08																
ZZZZZZ			20:11																
ZZZZZZ			20:15																
ZZZZZZ			20:19																
ZZZZZZ			20:23																
CCV 460-322801/150			20:26																
CCB 460-322801/151			20:30																
CCVL 460-322801/152			20:34																
ZZZZZZ			20:37																
ZZZZZZ			20:41																
ZZZZZZ			20:45																
ZZZZZZ			20:49																
ZZZZZZ			20:52																
ZZZZZZ			20:56																
ZZZZZZ			21:00																
ZZZZZZ			21:04																
ZZZZZZ			21:08																
ZZZZZZ			21:11																
CCV 460-322801/163			21:15																
CCB 460-322801/164			21:18																
CCVL 460-322801/165			21:22																
ZZZZZZ			21:44																
ZZZZZZ			21:48																
ZZZZZZ			21:52																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 09/16/2015 10:21 End Date: 09/17/2015 02:51

Lab Sample ID	D / F	T y p e	Time	Analytes															
				C a															
ZZZZZZ			21:55																
ZZZZZZ			21:59																
ZZZZZZ			22:03																
ZZZZZZ			22:06																
ZZZZZZ			22:10																
ZZZZZZ			22:14																
ZZZZZZ			22:18																
CCV 460-322801/176			22:21																
CCB 460-322801/177			22:25																
CCVL 460-322801/178			22:29																
ZZZZZZ			22:32																
ZZZZZZ			22:36																
ZZZZZZ			22:40																
ZZZZZZ			22:43																
ZZZZZZ			22:47																
ZZZZZZ			22:51																
ZZZZZZ			22:55																
ZZZZZZ			22:59																
ZZZZZZ			23:03																
ZZZZZZ			23:06																
CCV 460-322801/189			23:10																
CCB 460-322801/190			23:14																
CCVL 460-322801/191			23:17																
ZZZZZZ			23:21																
ZZZZZZ			23:25																
ZZZZZZ			23:29																
ZZZZZZ			23:33																
ZZZZZZ			23:36																
ZZZZZZ			23:40																
ZZZZZZ			23:44																
ZZZZZZ			23:48																
ZZZZZZ			23:51																
ZZZZZZ			23:55																
CCV 460-322801/202			23:59																
CCB 460-322801/203			00:02																
CCVL 460-322801/204			00:06																
ZZZZZZ			00:10																
ZZZZZZ			00:14																
ZZZZZZ			00:18																
ZZZZZZ			00:21																
ZZZZZZ			00:25																
ZZZZZZ			00:29																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Instrument ID: ICP5 Method: 6010C

Start Date: 09/16/2015 10:21 End Date: 09/17/2015 02:51

Lab Sample ID	D / F	T y p e	Time	Analytes															
				C	a														
ZZZZZZ			00:33																
ZZZZZZ			00:37																
ZZZZZZ			00:40																
ZZZZZZ			00:44																
CCV 460-322801/215			00:48																
CCB 460-322801/216			00:52																
CCVL 460-322801/217			00:55																
ZZZZZZ			00:59																
ZZZZZZ			01:03																
ZZZZZZ			01:07																
ZZZZZZ			01:11																
ZZZZZZ			01:14																
ZZZZZZ			01:18																
ZZZZZZ			01:22																
ZZZZZZ			01:26																
ZZZZZZ			01:30																
ZZZZZZ			01:34																
CCV 460-322801/228			01:38																
CCB 460-322801/229			01:41																
CCVL 460-322801/230			01:45																
ZZZZZZ			01:49																
ZZZZZZ			01:53																
ZZZZZZ			01:57																
ZZZZZZ			02:01																
ZZZZZZ			02:05																
ZZZZZZ			02:09																
ZZZZZZ			02:13																
ZZZZZZ			02:17																
ZZZZZZ			02:21																
ZZZZZZ			02:25																
CCV 460-322801/241			02:29																
CCB 460-322801/242			02:32																
CCVL 460-322801/243			02:36																
ZZZZZZ			02:40																
CCV 460-322801/245			02:44																
CCB 460-322801/246			02:47																
CCVL 460-322801/247			02:51																

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Instrument ID: LEEMAN5 Method: 7471B

Start Date: 09/15/2015 08:21 End Date: 09/15/2015 11:58

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
ICV 460-322506/7	1		08:35	X															
ICB 460-322506/8	1		08:37	X															
MB 460-322411/10-A	1	T	08:39	X															
LCSSRM 460-322411/11-A ^20	20	T	08:41	X															
460-100954-E-14-B DU	1	T	08:46	X															
460-100954-E-14-C MS	1	T	08:48	X															
CCV 460-322506/19	1		08:59	X															
CCB 460-322506/20	1		09:02	X															
CCV 460-322506/31	1		09:24	X															
CCB 460-322506/32	1		09:26	X															
460-100972-1	1	T	09:30	X															
460-100972-2	1	T	09:33	X															
460-100972-3	1	T	09:35	X															
460-100972-4	1	T	09:37	X															
460-100954-E-14-A SD	5	T	09:39	X															
CCV 460-322506/39	1		09:40	X															
CCB 460-322506/40	1		09:43	X															
MB 460-322412/10-A	1	T	09:45	X															
LCSSRM 460-322412/11-A ^20	20	T	09:47	X															
460-101015-A-9-D DU	1	T	09:51	X															
460-101015-A-9-E MS	1	T	09:53	X															
460-100972-5	1	T	09:55	X															
460-100972-6	1	T	09:57	X															
460-100972-7	1	T	09:59	X															
460-100972-8	1	T	10:01	X															
460-100972-9	1	T	10:03	X															
CCV 460-322506/51	1		10:05	X															
CCB 460-322506/52	1		10:07	X															
460-100972-10	1	T	10:09	X															
460-100972-11	1	T	10:11	X															
460-100972-12	1	T	10:13	X															
CCV 460-322506/63	1		10:32	X															
CCB 460-322506/64	1		10:34	X															
460-101015-A-9-C SD	5	T	10:49	X															
CCV 460-322506/72	1		10:50	X															
CCB 460-322506/73	1		10:52	X															

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Instrument ID: LEEMAN5 Method: 7471B

Start Date: 09/16/2015 08:02 End Date: 09/16/2015 11:55

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				H g																	
ICV 460-322753/11	1		08:26	X																	
ICB 460-322753/12	1		08:28	X																	
MB 460-322635/10-A	1	T	08:30	X																	
LCSSRM 460-322635/11-A ^20	20	T	08:33	X																	
460-100972-14	1	T	08:34	X																	
460-100972-14 DU	1	T	08:36	X																	
460-100972-14 MS	1	T	08:39	X																	
460-100972-13	1	T	08:41	X																	
CCV 460-322753/23	1		08:50	X																	
CCB 460-322753/24	1		08:52	X																	
CCV 460-322753/35	1		09:20	X																	
CCB 460-322753/36	1		09:22	X																	
460-100972-14 SD	5	T	09:36	X																	
CCV 460-322753/43	1		09:37	X																	
CCB 460-322753/44	1		09:39	X																	

Prep Types

T = Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Batch Number: 322001 Batch Start Date: 09/11/15 17:07 Batch Analyst: Esteban, Edgardo ABatch Method: 3050B Batch End Date: 09/11/15 22:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	ME_LCS-int 00055	ME_LCSS_87 00003	
MB 460-322001/1		3050B, 6010C		CALC NOT SET TO RUN	1.00 g	50 mL			
LCSSRM 460-322001/2		3050B, 6010C		CALC NOT SET TO RUN	1.02 g	50 mL		1.02 g	
460-100972-A-3	WC-3	3050B, 6010C	T	CALC NOT SET TO RUN	1.12 g	50 mL			
460-100972-A-3 DU	WC-3	3050B, 6010C	T	CALC NOT SET TO RUN	1.13 g	50 mL			
460-100972-A-3 MS	WC-3	3050B, 6010C	T	CALC NOT SET TO RUN	1.22 g	50 mL	2 mL		
460-100972-A-1	WC-1	3050B, 6010C	T	CALC NOT SET TO RUN	1.38 g	50 mL			
460-100972-A-2	WC-2	3050B, 6010C	T	CALC NOT SET TO RUN	1.33 g	50 mL			
460-100972-A-4	WC-4	3050B, 6010C	T	CALC NOT SET TO RUN	1.25 g	50 mL			
460-100972-A-5	WC-5	3050B, 6010C	T	CALC NOT SET TO RUN	1.27 g	50 mL			
460-100972-A-6	WC-6	3050B, 6010C	T	CALC NOT SET TO RUN	1.24 g	50 mL			
460-100972-A-7	WC-7	3050B, 6010C	T	CALC NOT SET TO RUN	1.31 g	50 mL			
460-100972-A-8	WC-8	3050B, 6010C	T	CALC NOT SET TO RUN	1.26 g	50 mL			
460-100972-A-9	WC-9	3050B, 6010C	T	CALC NOT SET TO RUN	1.23 g	50 mL			
460-100972-A-10	WC-10	3050B, 6010C	T	CALC NOT SET TO RUN	1.20 g	50 mL			
460-100972-A-11	WC-11	3050B, 6010C	T	CALC NOT SET TO RUN	1.30 g	50 mL			
460-100972-A-12	WC-12	3050B, 6010C	T	CALC NOT SET TO RUN	1.28 g	50 mL			
460-100972-A-13	WC-13	3050B, 6010C	T	CALC NOT SET TO RUN	1.29 g	50 mL			
460-100972-A-14	WC-14	3050B, 6010C	T	CALC NOT SET TO RUN	1.34 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.: 460-100972-1

SDG No.: _____

Batch Number: 322001 Batch Start Date: 09/11/15 17:07 Batch Analyst: Esteban, Edgardo ABatch Method: 3050B Batch End Date: 09/11/15 22:00

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	#1
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 #	J223484-1123 (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 EdisonJob No.: 460-100972-1

SDG No.: _____

Batch Number: 322469Batch Start Date: 09/15/15 08:00Batch Analyst: Yang, QinBatch Method: 3050BBatch End Date: 09/15/15 13:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	ME_LCS-int 00055	ME_LCSS_87 00003	
MB 460-322469/1		3050B, 6010C		CALC NOT SET TO RUN	1.00 g	50 mL			
LCSSRM 460-322469/2		3050B, 6010C		CALC NOT SET TO RUN	1.00 g	50 mL		1 g	
460-100972-A-9	WC-9	3050B, 6010C	T	CALC NOT SET TO RUN	1.00 g	50 mL			
460-100972-A-9 DU	WC-9	3050B, 6010C	T	CALC NOT SET TO RUN	1.00 g	50 mL			
460-100972-A-9 MS	WC-9	3050B, 6010C	T	CALC NOT SET TO RUN	1.00 g	50 mL	2 mL		
460-100972-A-1	WC-1	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	50 mL			
460-100972-A-2	WC-2	3050B, 6010C	T	CALC NOT SET TO RUN	1.03 g	50 mL			
460-100972-A-3	WC-3	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	50 mL			
460-100972-A-4	WC-4	3050B, 6010C	T	CALC NOT SET TO RUN	1.00 g	50 mL			
460-100972-A-5	WC-5	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	50 mL			
460-100972-A-6	WC-6	3050B, 6010C	T	CALC NOT SET TO RUN	1.02 g	50 mL			
460-100972-A-7	WC-7	3050B, 6010C	T	CALC NOT SET TO RUN	1.02 g	50 mL			
460-100972-A-8	WC-8	3050B, 6010C	T	CALC NOT SET TO RUN	1.02 g	50 mL			
460-100972-A-10	WC-10	3050B, 6010C	T	CALC NOT SET TO RUN	1.03 g	50 mL			
460-100972-A-11	WC-11	3050B, 6010C	T	CALC NOT SET TO RUN	1.03 g	50 mL			
460-100972-A-12	WC-12	3050B, 6010C	T	CALC NOT SET TO RUN	1.04 g	50 mL			
460-100972-A-13	WC-13	3050B, 6010C	T	CALC NOT SET TO RUN	1.03 g	50 mL			
460-100972-A-14	WC-14	3050B, 6010C	T	CALC NOT SET TO RUN	1.03 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.

6010C

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Batch Number: 322469 Batch Start Date: 09/15/15 08:00 Batch Analyst: Yang, QinBatch Method: 3050B Batch End Date: 09/15/15 13:00

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	#1
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 #	J213240-264 (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.: 460-100972-1

SDG No.: _____

Batch Number: 322411 Batch Start Date: 09/15/15 04:17 Batch Analyst: Staib, ThomasBatch Method: 7471B Batch End Date: 09/15/15 06:57

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 02273	ME_LCSS_87 00003		
MB 460-322411/10		7471B, 7471B		0.60 g	50 mL				
LCSSRM 460-322411/11		7471B, 7471B		0.60 g	50 mL		0.6 g		
460-100954-E-14 DU		7471B, 7471B	T	0.64 g	50 mL				
460-100954-E-14 MS		7471B, 7471B	T	0.64 g	50 mL	0.5 mL			
460-100972-A-1	WC-1	7471B, 7471B	T	0.64 g	50 mL				
460-100972-A-2	WC-2	7471B, 7471B	T	0.67 g	50 mL				
460-100972-A-3	WC-3	7471B, 7471B	T	0.61 g	50 mL				
460-100972-A-4	WC-4	7471B, 7471B	T	0.67 g	50 mL				

Batch Notes	
Hydroxylamine Hydrochloride Lot	HgR02399
Balance ID	#35
Batch Comment	10% HCL - HgR02400
Lot # of hydrochloric acid	0000086340
Lot # of Nitric Acid	0000111528
Hot Block ID number	#3
Potassium Permanganate Lot Number	HgR02398
NaCl Lot #	HgR02399
Oven, Bath or Block Temperature 1	98 uncorr 95 corr Celsius
Pipette ID	#42
Stannous Chloride Lot Number	HgR02401
ID number of the thermometer	Prep-2 (CF -3)
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

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Batch Number: 322412 Batch Start Date: 09/15/15 04:47 Batch Analyst: Staib, ThomasBatch Method: 7471B Batch End Date: 09/15/15 07:27

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 02273	ME_LCSS_87 00003		
MB 460-322412/10		7471B, 7471B		0.60 g	50 mL				
LCSSRM 460-322412/11		7471B, 7471B		0.60 g	50 mL		0.6 g		
460-101015-A-9 DU		7471B, 7471B	T	0.63 g	50 mL				
460-101015-A-9 MS		7471B, 7471B	T	0.63 g	50 mL	0.5 mL			
460-100972-A-5	WC-5	7471B, 7471B	T	0.66 g	50 mL				
460-100972-A-6	WC-6	7471B, 7471B	T	0.61 g	50 mL				
460-100972-A-7	WC-7	7471B, 7471B	T	0.66 g	50 mL				
460-100972-A-8	WC-8	7471B, 7471B	T	0.62 g	50 mL				
460-100972-A-9	WC-9	7471B, 7471B	T	0.66 g	50 mL				
460-100972-A-10	WC-10	7471B, 7471B	T	0.60 g	50 mL				
460-100972-A-11	WC-11	7471B, 7471B	T	0.64 g	50 mL				
460-100972-A-12	WC-12	7471B, 7471B	T	0.63 g	50 mL				

Batch Notes	
Hydroxylamine Hydrochloride Lot	HgR02399
Balance ID	#35
Batch Comment	10% HCL - HgR02400
Lot # of hydrochloric acid	0000086340
Lot # of Nitric Acid	0000111528
Hot Block ID number	#3
Potassium Permanganate Lot Number	HgR02398
NaCl Lot #	HgR02399
Oven, Bath or Block Temperature 1	98 uncorr 95 corr Celsius
Pipette ID	#42
Stannous Chloride Lot Number	HgR02401
ID number of the thermometer	Prep-2 (CF-3)
Digestion Tube/Cup Lot #	1501179-7A-5166-MB

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.: 460-100972-1

SDG No.: _____

Batch Number: 322412 Batch Start Date: 09/15/15 04:47 Batch Analyst: Staib, ThomasBatch Method: 7471B Batch End Date: 09/15/15 07:27

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

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Batch Number: 322635 Batch Start Date: 09/16/15 04:20 Batch Analyst: Staib, ThomasBatch Method: 7471B Batch End Date: 09/16/15 07:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 02274	ME_LCSS_87 00003		
MB 460-322635/10		7471B, 7471B		0.60 g	50 mL				
LCSSRM 460-322635/11		7471B, 7471B		0.60 g	50 mL		0.6 g		
460-100972-A-14	WC-14	7471B, 7471B	T	0.64 g	50 mL				
460-100972-A-14 DU	WC-14	7471B, 7471B	T	0.64 g	50 mL				
460-100972-A-14 MS	WC-14	7471B, 7471B	T	0.64 g	50 mL	0.5 mL			
460-100972-A-13	WC-13	7471B, 7471B	T	0.67 g	50 mL				

Batch Notes	
Hydroxylamine Hydrochloride Lot	HgR02399
Balance ID	#35
Batch Comment	10% HCL - HgR02400
Lot # of hydrochloric acid	0000086340
Lot # of Nitric Acid	0000111528
Hot Block ID number	#3
Potassium Permanganate Lot Number	HgR02398
NaCl Lot #	HgR02399
Oven, Bath or Block Temperature 1	98 uncorr 95 corr Celsius
Pipette ID	#42
Stannous Chloride Lot Number	HgR02401
ID number of the thermometer	Prep-2 (CF -3)
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.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-100972-1
SDG No.: _____
Project: HW11-191/Princeton

Client Sample ID	Lab Sample ID
WC-1	460-100972-1
WC-2	460-100972-2
WC-3	460-100972-3
WC-4	460-100972-4
WC-5	460-100972-5
WC-6	460-100972-6
WC-7	460-100972-7
WC-8	460-100972-8
WC-9	460-100972-9
WC-10	460-100972-10
WC-11	460-100972-11
WC-12	460-100972-12
WC-13	460-100972-13
WC-14	460-100972-14

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job Number: 460-100972-1
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: 460-100972-1
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.: 460-100972-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 09/12/2015 10:04 End Date: 09/12/2015 10:04

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				% S o l	M o i s t																
ZZZZZZ			10:04																		
ZZZZZZ			10:04																		
ZZZZZZ			10:04																		
ZZZZZZ			10:04																		
ZZZZZZ			10:04																		
ZZZZZZ			10:04																		
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ZZZZZZ			10:04																		
ZZZZZZ			10:04																		
ZZZZZZ			10:04																		
460-100972-1	1	T	10:04	X	X																
460-100972-2	1	T	10:04	X	X																
460-100972-3	1	T	10:04	X	X																
460-100972-4	1	T	10:04	X	X																
460-100972-5	1	T	10:04	X	X																
460-100972-5 DU	1	T	10:04	X	X																

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 09/12/2015 11:08 End Date: 09/12/2015 11:08

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				% S o l	M o i s t																
ZZZZZZ			11:08																		
ZZZZZZ			11:08																		
ZZZZZZ			11:08																		
ZZZZZZ			11:08																		
460-100972-6	1	T	11:08	X	X																
460-100972-7	1	T	11:08	X	X																
460-100972-8	1	T	11:08	X	X																
460-100972-9	1	T	11:08	X	X																
460-100972-10	1	T	11:08	X	X																
460-100972-11	1	T	11:08	X	X																
460-100972-12	1	T	11:08	X	X																
ZZZZZZ			11:08																		
ZZZZZZ			11:08																		
ZZZZZZ			11:08																		
ZZZZZZ			11:08																		
ZZZZZZ			11:08																		
ZZZZZZ			11:08																		
ZZZZZZ			11:08																		
ZZZZZZ			11:08																		
460-101026-A-9 DU	1	T	11:08	X	X																

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 09/12/2015 12:45 End Date: 09/12/2015 12:45

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				% S o l	M o i s t																
ZZZZZZ			12:45																		
ZZZZZZ			12:45																		
ZZZZZZ			12:45																		
ZZZZZZ			12:45																		
ZZZZZZ			12:45																		
ZZZZZZ			12:45																		
ZZZZZZ			12:45																		
ZZZZZZ			12:45																		
460-100972-14	1	T	12:45	X	X																
460-100972-13	1	T	12:45	X	X																
460-100972-13 DU	1	T	12:45	X	X																
ZZZZZZ			12:45																		
ZZZZZZ			12:45																		
ZZZZZZ			12:45																		
ZZZZZZ			12:45																		
ZZZZZZ			12:45																		
ZZZZZZ			12:45																		
ZZZZZZ			12:45																		
ZZZZZZ			12:45																		
ZZZZZZ			12:45																		

Prep Types
T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 460-100972-1

SDG No.: _____

Batch Number: 322080 Batch Start Date: 09/12/15 10:04 Batch Analyst: Martinez, VictorBatch Method: Moisture Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
460-100972-A-1	WC-1	Moisture	T	37	1.00 g	8.28 g	7.06 g		
460-100972-A-2	WC-2	Moisture	T	38	1.01 g	8.59 g	7.33 g		
460-100972-A-3	WC-3	Moisture	T	39	1.01 g	7.12 g	6.15 g		
460-100972-A-4	WC-4	Moisture	T	40	1.00 g	7.25 g	6.20 g		
460-100972-A-5	WC-5	Moisture	T	41	1.01 g	7.48 g	6.45 g		
460-100972-A-5 DU	WC-5	Moisture	T	42	1.01 g	7.04 g	6.04 g		

Batch Notes	
Balance ID	104 No Unit
Date samples were placed in the oven	9/12/15
Oven Temp when samples are put in oven	105 Degrees C
Time samples were place in the oven	10:23
Date samples were removed from oven	9/14/15
Oven Temp when samples removed from oven	105 Degrees C
Time Samples were removed from oven	08:08
Oven ID	3
ID number of the thermometer	92010
Uncorrected In Temperature	105 Celsius
Uncorrected Out Temperature	105 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.: 460-100972-1

SDG No.: _____

Batch Number: 322094 Batch Start Date: 09/12/15 11:08 Batch Analyst: Martinez, VictorBatch Method: Moisture Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
460-100972-A-6	WC-6	Moisture	T	47	1.00 g	7.34 g	6.10 g		
460-100972-A-7	WC-7	Moisture	T	48	1.01 g	8.00 g	6.72 g		
460-100972-A-8	WC-8	Moisture	T	49	1.00 g	7.80 g	6.55 g		
460-100972-A-9	WC-9	Moisture	T	50	1.00 g	8.26 g	6.92 g		
460-100972-A-10	WC-10	Moisture	T	51	0.99 g	8.58 g	7.43 g		
460-100972-A-11	WC-11	Moisture	T	52	0.97 g	8.66 g	7.36 g		
460-100972-A-12	WC-12	Moisture	T	53	1.03 g	8.23 g	7.13 g		
460-101026-A-9 DU		Moisture	T	63	1.03 g	7.84 g	6.58 g		

Batch Notes	
Balance ID	104 No Unit
Date samples were placed in the oven	9/12/15
Oven Temp when samples are put in oven	105 Degrees C
Time samples were place in the oven	11:33
Date samples were removed from oven	9/14/15
Oven Temp when samples removed from oven	105 Degrees C
Time Samples were removed from oven	08:08
Oven ID	3
ID number of the thermometer	92010
Uncorrected In Temperature	105 Celsius
Uncorrected Out Temperature	105 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.: 460-100972-1

SDG No.: _____

Batch Number: 322101 Batch Start Date: 09/12/15 12:45 Batch Analyst: Martinez, VictorBatch Method: Moisture Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
460-100972-A-14	WC-14	Moisture	T	93	0.99 g	7.25 g	6.19 g		
460-100972-A-13	WC-13	Moisture	T	94	0.99 g	7.31 g	6.52 g		
460-100972-A-13 DU	WC-13	Moisture	T	95	1.00 g	7.40 g	6.71 g		

Batch Notes	
Balance ID	104 No Unit
Date samples were placed in the oven	9/12/15
Oven Temp when samples are put in oven	105 Degrees C
Time samples were place in the oven	12:56
Date samples were removed from oven	9/14/15
Oven Temp when samples removed from oven	105 Degrees C
Time Samples were removed from oven	08:28
Oven ID	3
ID number of the thermometer	92010
Uncorrected In Temperature	105 Celsius
Uncorrected Out Temperature	105 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

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 2

Name (for report and invoice) <i>Andrew I. Rite</i>		Sampler's Name (Printed) <i>Andrew</i>		Site/Project Identification <i>Princeton NJ 11-191</i>	
Company <i>Teal Services, Inc</i>		P.O. # <i>11011-191</i>		State (Location of site): NJ: ☒ NY: ☐ Other: ☐	
Address <i>777 Teal Road Dr.</i>		Analysis Turnaround Time Standard ☐ Rush Charges Authorized For: 1 Week ☐ 2 Week ☐ Other: ☒ 3 days		Regulatory Program:	
City <i>Rockaway</i>	State <i>NJ</i>	Mo. of.		LAB USE ONLY Job No: <i>100972</i> Project No:	
Phone <i>973-366-9100</i>	Fax	Mo. of.		Sample Numbers	
Sample Identification	Date	Time	Matrix	Cont.	
WC-1	9/11/15	8:35	Soil	1	PAH
WC-2		8:35			PCBS
WC-3		8:42			TAL-Metals
WC-4		9:01			
WC-5		9:07			
WC-6		9:15			
WC-7		9:21			
WC-8		9:30			
WC-9		9:42			
WC-10		10:01			

Preservation Used: 1 = ICE, 2 = HCl, 3 = H₂SO₄, 4 = HNO₃, 5 = NaOH
6 = Other _____, 7 = Other _____

Soil: ☐ Water: ☐

Special Instructions

Water Metals Filtered (Yes/No)?

Relinquished by <i>Andrew I. Rite</i>	Company <i>Teal Services, Inc</i>	Date / Time <i>9/11/15 11:30</i>	Received by <i>Edison</i>	Company <i>Edison</i>
Relinquished by	Company	Date / Time	Received by	Company
Relinquished by	Company	Date / Time	Received by	Company
Relinquished by	Company	Date / Time	Received by	Company

3-DAY RUSH

460-100972 Chain of Custody

Barcode:

Laboratory Certifications: New Jc. 48, New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).
Massachusetts (M-NJ312), North Carolina (No. 578)

0.4 (2.40C) IATTS
100 CS

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 2

Name (for report and invoice)		Samples Name (Printed)		Site/Project Identification	
Company		P.O. #		State (Location of site): NJ: ☒ NY: ☐ Other:	
Address		Analysis Turnaround Time Standard ☐ Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other: ☒ 2 days		Regulatory Program:	
City	State	ANALYSIS REQUESTED (ENTER % BELOW TO INDICATE REQUEST)		LAB USE ONLY	
Phone	Fax			Job No: 160972	
Sample Identification		Date	Time	Matrix	No. of Cont.
WC-11	9/11/15	10:07	Soil	1	PAH
WC-12	10/14	10:30	Soil	1	PCBS
WC-13	10/30	10:30	Soil	1	TAL Metals
WC-14	10/30	10:30	Soil	1	
Preservation Used: 1 = ICE, 2 = HCl, 3 = H ₂ SO ₄ , 4 = HNO ₃ , 5 = NaOH 6 = Other _____, 7 = Other _____					
Soil: _____ Water: _____					

Special Instructions

Water Metals Filtered (Yes/No)?

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 (68-622), Connecticut (PH-0200), Rhode Island (132).

Massachusetts (M-NU312), North Carolina (No. 578)

TAL-0016 (0814)

0.4/2.40c ITHS 100cs

100972

IRGUN

[illegible]

Cooler #3: 0°C 0°C

Cooler #9

°C

°C

[illegible][illegible]

Preservative Name/Conc.

Lot # of Preservative(s)

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

EDS-M-038, Rev 4, 06/09/2014

Date _____

09/18/2015

Login Sample Receipt Checklist

Client: EcoSciences, Inc.

Job Number: 460-100972-1

Login Number: 100972

List Source: TestAmerica Edison

List Number: 1

Creator: Meyers, Gary

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	2.4 ° 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.