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Cover Page

Order ID : P4852

Project ID : Webster School

Client : Kleinfelder

Lab Sample Number	Client Sample Number
P4852-01	COMP-1
P4852-02	COMP-2
P4852-03	COMP-3

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 11/26/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P4852**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: **SOHIL JODHANI** **Date:** **11/26/2024**

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LAB CHRONICLE

OrderID:	P4852	**OrderDate:**	11/14/2024 11:23:00 AM
Client:	Kleinfelder	**Project:**	Webster School
Contact:	Mark Warchol	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4852-01	**COMP-1**	**SOIL**			**11/13/24**			**11/14/24**
			SVOCMS Group1	8270E		11/15/24	11/19/24	
P4852-02	**COMP-2**	**SOIL**			**11/13/24**			**11/14/24**
			SVOCMS Group1	8270E		11/15/24	11/19/24	
P4852-03	**COMP-3**	**SOIL**			**11/13/24**			**11/14/24**
			SVOCMS Group1	8270E		11/15/24	11/19/24	

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Hit Summary Sheet
SW-846

SDG No.: P4852

Client: Kleinfelder

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : COMP-1								
P4852-01	COMP-1	SOIL	Phenanthrene	130.000	J	100	200	ug/Kg
P4852-01	COMP-1	SOIL	Pyrene	170.000	J	99.6	200	ug/Kg
			Total Svoc :	**300.00**				
			Total Concentration:	**300.00**				
Client ID : COMP-2								
P4852-02	COMP-2	SOIL	Phenanthrene	550.000		100	210	ug/Kg
P4852-02	COMP-2	SOIL	Anthracene	130.000	J	100	210	ug/Kg
P4852-02	COMP-2	SOIL	Pyrene	640.000		100	210	ug/Kg
P4852-02	COMP-2	SOIL	Benzo(a)anthracene	360.000		99	210	ug/Kg
P4852-02	COMP-2	SOIL	Chrysene	330.000		97.5	210	ug/Kg
P4852-02	COMP-2	SOIL	Benzo(b)fluoranthene	340.000		99.5	210	ug/Kg
P4852-02	COMP-2	SOIL	Benzo(a)pyrene	320.000		110	210	ug/Kg
P4852-02	COMP-2	SOIL	Benzo(g,h,i)perylene	150.000	J	98.2	210	ug/Kg
			Total Svoc :	**2,820.00**				
			Total Concentration:	**2,820.00**				
Client ID : COMP-3								
P4852-03	COMP-3	SOIL	Phenanthrene	150.000	J	94.9	190	ug/Kg
P4852-03	COMP-3	SOIL	Pyrene	240.000		93.8	190	ug/Kg
P4852-03	COMP-3	SOIL	Benzo(a)anthracene	140.000	J	91.2	190	ug/Kg
P4852-03	COMP-3	SOIL	Chrysene	140.000	J	89.8	190	ug/Kg
P4852-03	COMP-3	SOIL	Benzo(b)fluoranthene	150.000	J	91.7	190	ug/Kg
P4852-03	COMP-3	SOIL	Benzo(a)pyrene	130.000	J	110	190	ug/Kg
			Total Svoc :	**950.00**				
			Total Concentration:	**950.00**				

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: P4852

Client: Kleinfelder

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4852-01	COMP-1	Nitrobenzene-d5	100	54.8	55		18	107
		2-Fluorobiphenyl	100	56.2	56		20	109
		Terphenyl-d14	100	56.9	57		10	105
P4852-02	COMP-2	Nitrobenzene-d5	100	69.0	69		18	107
		2-Fluorobiphenyl	100	68.5	68		20	109
		Terphenyl-d14	100	70.8	71		10	105
P4852-03	COMP-3	Nitrobenzene-d5	100	83.1	83		18	107
		2-Fluorobiphenyl	100	82.4	82		20	109
		Terphenyl-d14	100	89.5	90		10	105
P4852-03MS	COMP-3MS	Nitrobenzene-d5	100	79.2	79		18	107
		2-Fluorobiphenyl	100	78.1	78		20	109
		Terphenyl-d14	100	84.8	85		10	105
P4852-03MSD	COMP-3MSD	Nitrobenzene-d5	100	76.6	77		18	107
		2-Fluorobiphenyl	100	74.1	74		20	109
		Terphenyl-d14	100	80.4	80		10	105
PB164993BL	PB164993BL	Nitrobenzene-d5	100	82.1	82		18	107
		2-Fluorobiphenyl	100	82.1	82		20	109
		Terphenyl-d14	100	82.8	83		10	105
PB164993BS	PB164993BS	Nitrobenzene-d5	100	83.2	83		18	107
		2-Fluorobiphenyl	100	83.1	83		20	109
		Terphenyl-d14	100	99.7	100		10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4852

Client: Kleinfelder

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4852-03MS		**Client Sample ID: COMP-3MS**						**DataFile: BF140471.D**			
Isophorone	1900	0	1900	ug/Kg	100				76	122	
Naphthalene	1900	0	1800	ug/Kg	95				72	110	
Fluorene	1900	0	1800	ug/Kg	95				68	116	
Phenanthrene	1900	150	2000	ug/Kg	97				52	128	
Anthracene	1900	0	2000	ug/Kg	105				62	124	
Pyrene	1900	240	2200	ug/Kg	103				26	142	
Benzo(a)anthracene	1900	140	2100	ug/Kg	103				71	114	
Chrysene	1900	140	2100	ug/Kg	103				57	121	
Benzo(b)fluoranthene	1900	150	1800	ug/Kg	87				67	121	
Benzo(a)pyrene	1900	130	2100	ug/Kg	104				70	142	
Benzo(g,h,i)perylene	1900	0	1700	ug/Kg	89				24	125	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4852

Client: Kleinfelder

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4852-03MSD		**Client Sample ID: COMP-3MSD**						**DataFile: BF140472.D**			
Isophorone	1900	0	1800	ug/Kg	95		5		76	122	20
Naphthalene	1900	0	1800	ug/Kg	95		0		72	110	20
Fluorene	1900	0	1700	ug/Kg	89		7		68	116	20
Phenanthrene	1900	150	1900	ug/Kg	92		5		52	128	20
Anthracene	1900	0	1900	ug/Kg	100		5		62	124	20
Pyrene	1900	240	2100	ug/Kg	98		5		26	142	20
Benzo(a)anthracene	1900	140	2100	ug/Kg	103		0		71	114	20
Chrysene	1900	140	1900	ug/Kg	93		10		57	121	20
Benzo(b)fluoranthene	1900	150	1800	ug/Kg	87		0		67	121	20
Benzo(a)pyrene	1900	130	2100	ug/Kg	104		0		70	142	20
Benzo(g,h,i)perylene	1900	0	1600	ug/Kg	84		6		24	125	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4852

Client: Kleinfelder

Analytical Method: 8270E **DataFile:** BF140419.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164993BS	Isophorone	1700	1400	ug/Kg	82				59	99	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	Phenanthrene	1700	1400	ug/Kg	82				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	Benzo(b)fluoranthene	1700	1300	ug/Kg	76				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Benzo(g,h,i)perylene	1700	1400	ug/Kg	82				70	108	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164993BL

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

Lab File ID: BF140418.D Lab Sample ID: PB164993BL

Instrument ID: BNA_F Date Extracted: 11/15/2024

Matrix: (soil/water) SOIL Date Analyzed: 11/16/2024

Level: (low/med) LOW Time Analyzed: 10:02

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB164993BS	PB164993BS	BF140419.D	11/16/2024
COMP-1	P4852-01	BF140468.D	11/19/2024
COMP-2	P4852-02	BF140469.D	11/19/2024
COMP-3	P4852-03	BF140470.D	11/19/2024
COMP-3MS	P4852-03MS	BF140471.D	11/19/2024
COMP-3MSD	P4852-03MSD	BF140472.D	11/19/2024

COMMENTS:

Raw Data: **BF140331.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM SAS No.: P4852 SDG NO.: P4852

Lab File ID: BF140331.D DFTPP Injection Date: 11/13/2024

Instrument ID: BNA_F DFTPP Injection Time: 08:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.9
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	38
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	28.3
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	14
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.7 (18.8) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF140332.D	11/13/2024	09:01
SSTDICC005	SSTDICC005	BF140333.D	11/13/2024	09:27
SSTDICC010	SSTDICC010	BF140334.D	11/13/2024	09:53
SSTDICC020	SSTDICC020	BF140335.D	11/13/2024	10:29
SSTDICC050	SSTDICC050	BF140337.D	11/13/2024	11:21
SSTDICC060	SSTDICC060	BF140338.D	11/13/2024	11:47
SSTDICC080	SSTDICC080	BF140339.D	11/13/2024	12:13
SSTDICCC040	SSTDICCC040	BF140340.D	11/13/2024	12:48

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM SAS No.: P4852 SDG NO.: P4852

Lab File ID: BF140416.D DFTPP Injection Date: 11/16/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:08

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.4
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	37.8
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	49
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	28.4
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	14.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.5 (18.7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF140417.D	11/16/2024	09:34
PB164993BL	PB164993BL	BF140418.D	11/16/2024	10:02
PB164993BS	PB164993BS	BF140419.D	11/16/2024	10:28

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM SAS No.: P4852 SDG NO.: P4852

Lab File ID: BF140462.D DFTPP Injection Date: 11/19/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.8
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	38.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	49.9
197	Less than 2.0% of mass 198	0.8
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	27.6
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	14.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17 (18.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF140463.D	11/19/2024	10:34
COMP-1	P4852-01	BF140468.D	11/19/2024	12:54
COMP-2	P4852-02	BF140469.D	11/19/2024	13:21
COMP-3	P4852-03	BF140470.D	11/19/2024	13:47
COMP-3MS	P4852-03MS	BF140471.D	11/19/2024	14:13
COMP-3MSD	P4852-03MSD	BF140472.D	11/19/2024	14:39

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/16/2024

Lab File ID: BF140417.D Time Analyzed: 09:34

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	171491	6.875	639592	8.16	364979	9.92
	UPPER LIMIT	342982	7.375	1279180	8.657	729958	10.416
	LOWER LIMIT	85745.5	6.375	319796	7.657	182490	9.416
	EPA SAMPLE NO.						
01	PB164993BL	168054	6.88	642488	8.15	365710	9.91
02	PB164993BS	169538	6.88	648089	8.16	365262	9.92

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/16/2024

Lab File ID: BF140417.D Time Analyzed: 09:34

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	687284	11.404	387415	14.051	336604	15.545
	UPPER LIMIT	1374570	11.904	774830	14.551	673208	16.045
	LOWER LIMIT	343642	10.904	193708	13.551	168302	15.045
	EPA SAMPLE NO.						
01	PB164993BL	717042	11.40	477442	14.05	394046	15.55
02	PB164993BS	688745	11.40	378177	14.06	337908	15.55

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/19/2024

Lab File ID: BF140463.D Time Analyzed: 10:34

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	137275	6.875	502770	8.16	278131	9.91
	UPPER LIMIT	274550	7.375	1005540	8.657	556262	10.41
	LOWER LIMIT	68637.5	6.375	251385	7.657	139066	9.41
	EPA SAMPLE NO.						
01	COMP-1	154847	6.87	579716	8.15	318630	9.90
02	COMP-2	149238	6.87	570099	8.15	314788	9.90
03	COMP-3	152696	6.87	579902	8.15	312197	9.90
04	COMP-3MS	159273	6.88	604441	8.16	329881	9.91
05	COMP-3MSD	160639	6.88	617685	8.15	339230	9.91

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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Fax : 908 789 8922

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/19/2024

Lab File ID: BF140463.D Time Analyzed: 10:34

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	524892	11.398	344697	14.069	292973	15.592
	UPPER LIMIT	1049780	11.898	689394	14.569	585946	16.092
	LOWER LIMIT	262446	10.898	172349	13.569	146487	15.092
	EPA SAMPLE NO.						
01	COMP-1	582083	11.39	316058	14.05	288064	15.57
02	COMP-2	554705	11.40	289074	14.05	280792	15.56
03	COMP-3	553548	11.40	281611	14.05	283940	15.55
04	COMP-3MS	587430	11.40	297623	14.06	301999	15.56
05	COMP-3MSD	599763	11.40	308205	14.05	312291	15.53

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

SAMPLE DATA

Raw Data: **BF140468.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder			Date Collected:	11/13/24
Project:	Webster School			Date Received:	11/14/24
Client Sample ID:	COMP-1			SDG No.:	P4852
Lab Sample ID:	P4852-01			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	83.2
Sample Wt/Vol:	30.04	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140468.D	1	11/15/24 09:30	11/19/24 12:54	PB164993

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
78-59-1	Isophorone	100	U	100	200	ug/Kg
91-20-3	Naphthalene	99.1	U	99.1	200	ug/Kg
86-73-7	Fluorene	100	U	100	200	ug/Kg
85-01-8	Phenanthrene	130	J	100	200	ug/Kg
120-12-7	Anthracene	100	U	100	200	ug/Kg
129-00-0	Pyrene	170	J	99.6	200	ug/Kg
56-55-3	Benzo(a)anthracene	96.9	U	96.9	200	ug/Kg
218-01-9	Chrysene	95.4	U	95.4	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	97.3	U	97.3	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	96.1	U	96.1	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	54.8		18 - 107	55%	SPK: 100
321-60-8	2-Fluorobiphenyl	56.2		20 - 109	56%	SPK: 100
1718-51-0	Terphenyl-d14	56.9		10 - 105	57%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	155000	6.869			
1146-65-2	Naphthalene-d8	580000	8.151			
15067-26-2	Acenaphthene-d10	319000	9.904			
1517-22-2	Phenanthrene-d10	582000	11.392			
1719-03-5	Chrysene-d12	316000	14.051			
1520-96-3	Perylene-d12	288000	15.568			

Raw Data: **BF140468.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder			Date Collected:	11/13/24
Project:	Webster School			Date Received:	11/14/24
Client Sample ID:	COMP-1			SDG No.:	P4852
Lab Sample ID:	P4852-01			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	83.2
Sample Wt/Vol:	30.04	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140468.D	1	11/15/24 09:30	11/19/24 12:54	PB164993

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **BF140468.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140468.D
Acq On : 19 Nov 2024 12:54
Operator : RC/JU
Sample : P4852-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-1

Quant Time: Nov 19 13:18:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

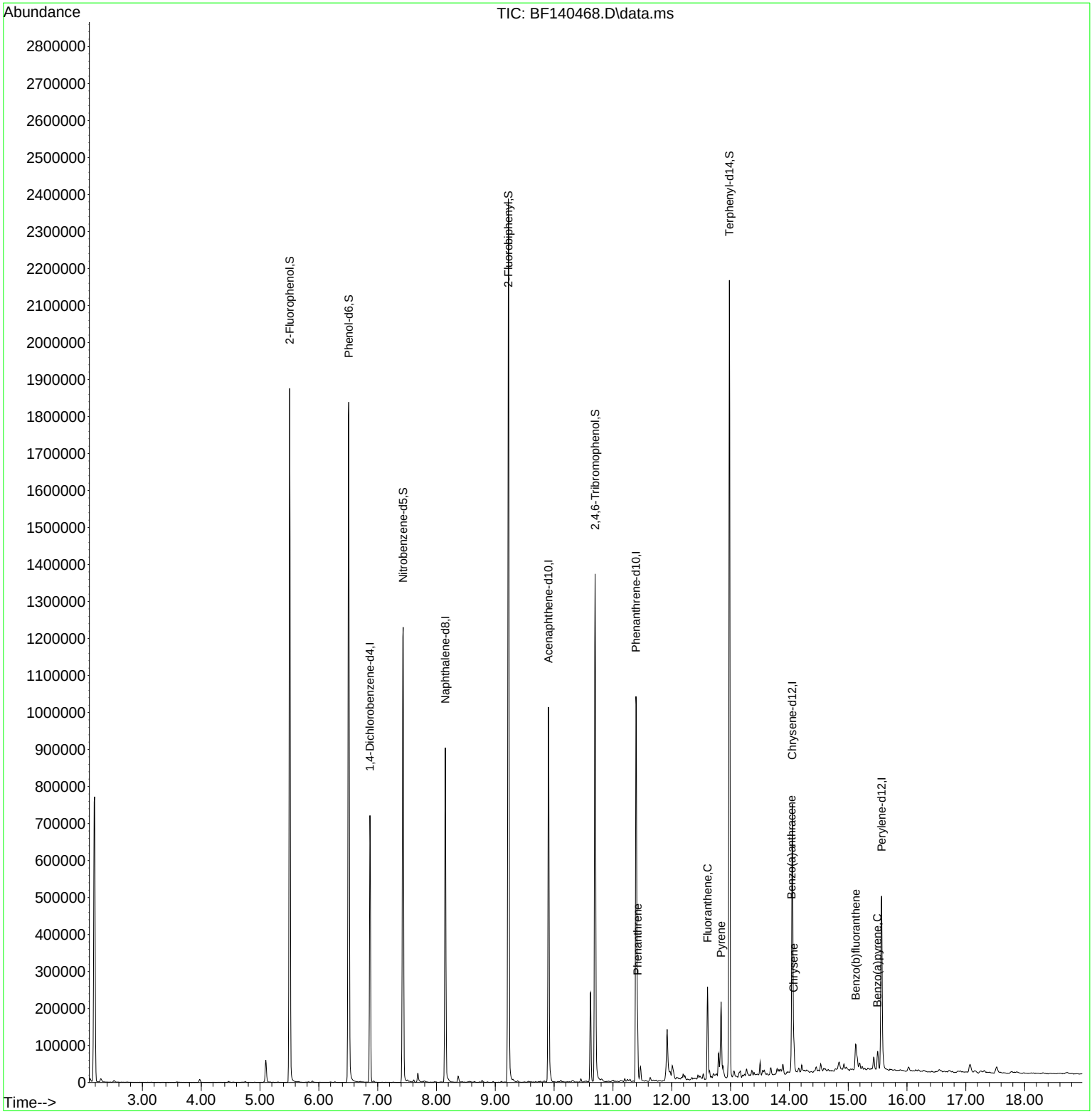
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	154847	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	579716	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	318630	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	582083	20.000	ng	-0.01
76) Chrysene-d12	14.051	240	316058	20.000	ng	0.00
86) Perylene-d12	15.568	264	288064	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	698864	77.059	ng	0.01
7) Phenol-d6	6.510	99	926760	75.424	ng	0.00
23) Nitrobenzene-d5	7.434	82	609652	54.793	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	242538	76.546	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	1113906	56.199	ng	-0.01
79) Terphenyl-d14	12.980	244	1035213	56.854	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	87171	3.188	ng	98
75) Fluoranthene	12.610	202	142825	4.656	ng	99
78) Pyrene	12.839	202	117198	4.335	ng	98
81) Benzo(a)anthracene	14.039	228	47602	2.292	ng	98
83) Chrysene	14.074	228	40634	2.144	ng	97
88) Benzo(b)fluoranthene	15.127	252	44000m	2.335	ng	
90) Benzo(a)pyrene	15.498	252	31910	2.181	ng	98

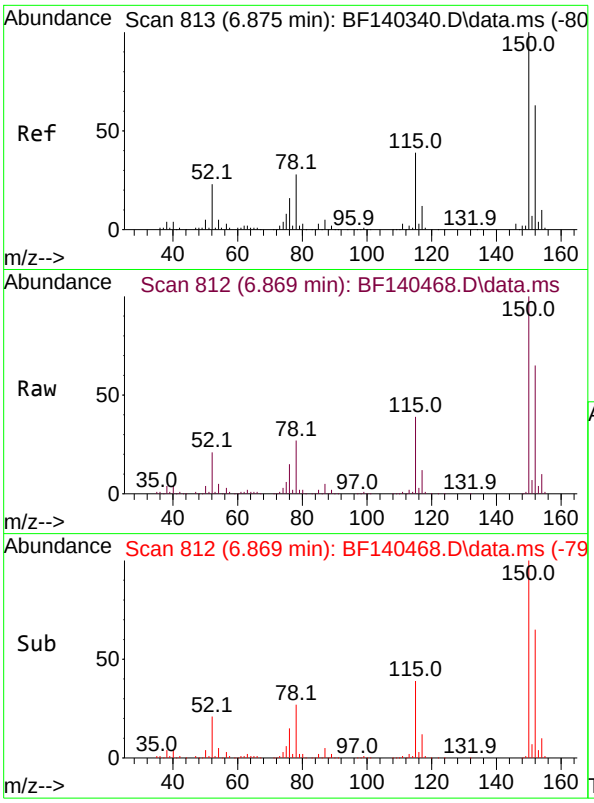
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140468.D
Acq On : 19 Nov 2024 12:54
Operator : RC/JU
Sample : P4852-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-1

Quant Time: Nov 19 13:18:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration



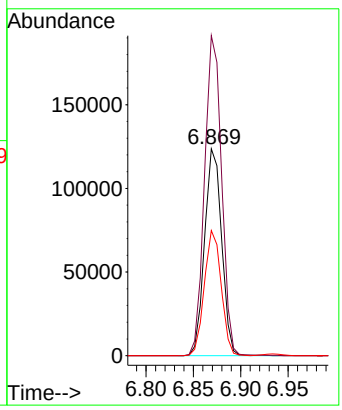


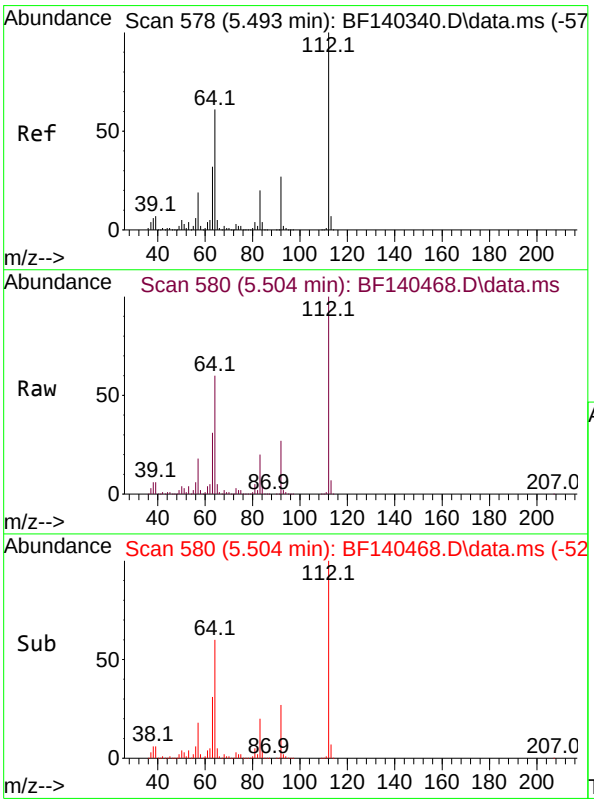
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF140468.D
Acq: 19 Nov 2024 12:54

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion:152 Resp: 154847

Ion	Ratio	Lower	Upper
152	100		
150	154.7	127.4	191.0
115	60.5	47.4	71.2

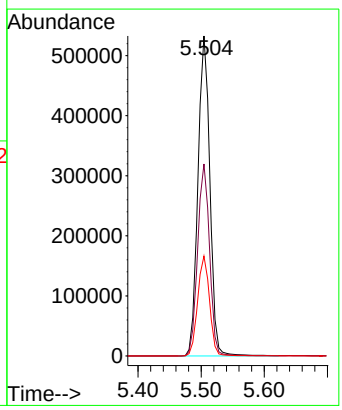


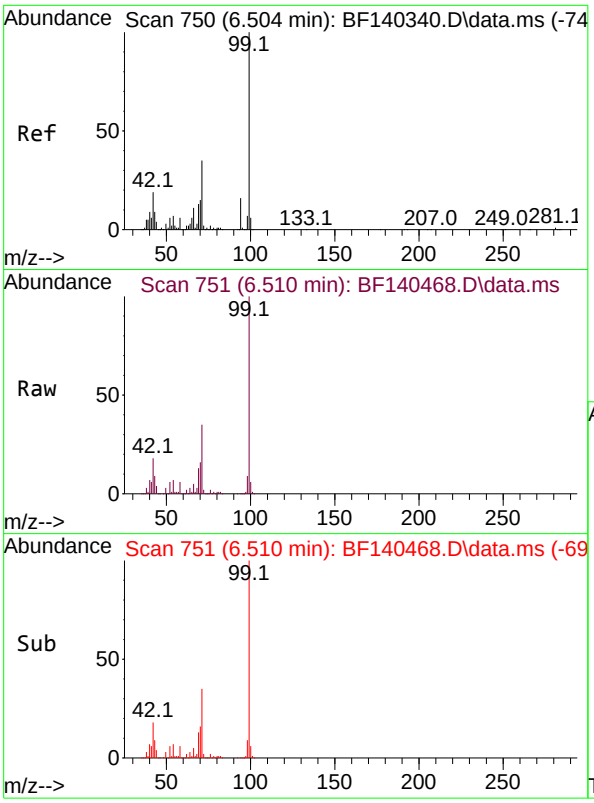


#5
2-Fluorophenol
Concen: 77.059 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140468.D
Acq: 19 Nov 2024 12:54

Tgt Ion:112 Resp: 698864

Ion	Ratio	Lower	Upper
112	100		
64	60.0	49.2	73.8
63	31.2	25.6	38.4



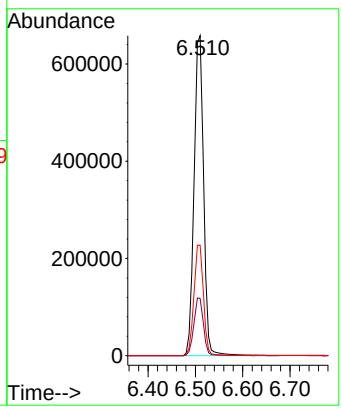


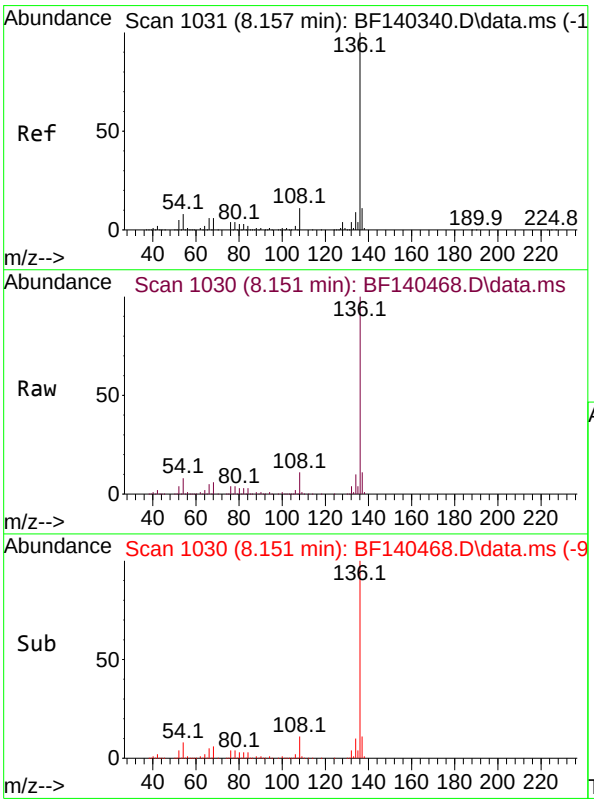
#7
Phenol-d6
Concen: 75.424 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140468.D
Acq: 19 Nov 2024 12:54

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion: 99 Resp: 926760

Ion	Ratio	Lower	Upper
99	100		
42	17.9	15.1	22.7
71	34.5	27.9	41.9

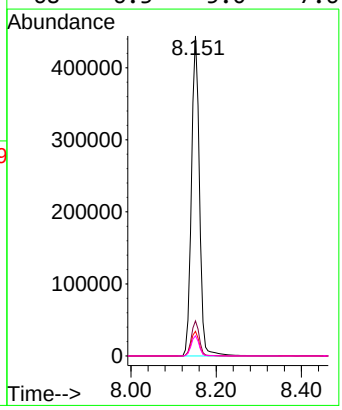


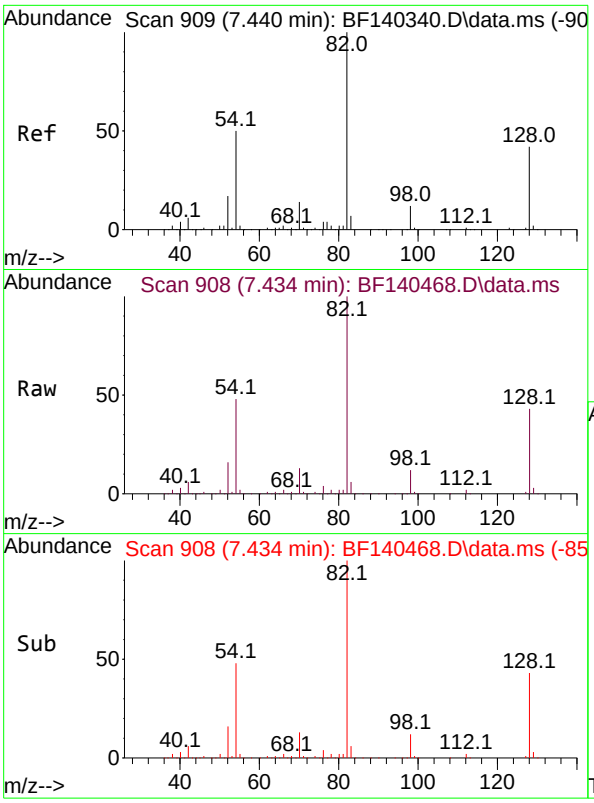


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140468.D
Acq: 19 Nov 2024 12:54

Tgt Ion:136 Resp: 579716

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	7.7	6.5	9.7
68	6.3	5.0	7.6



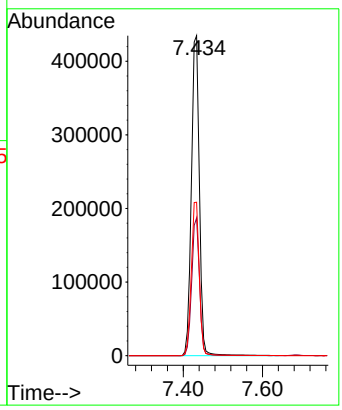


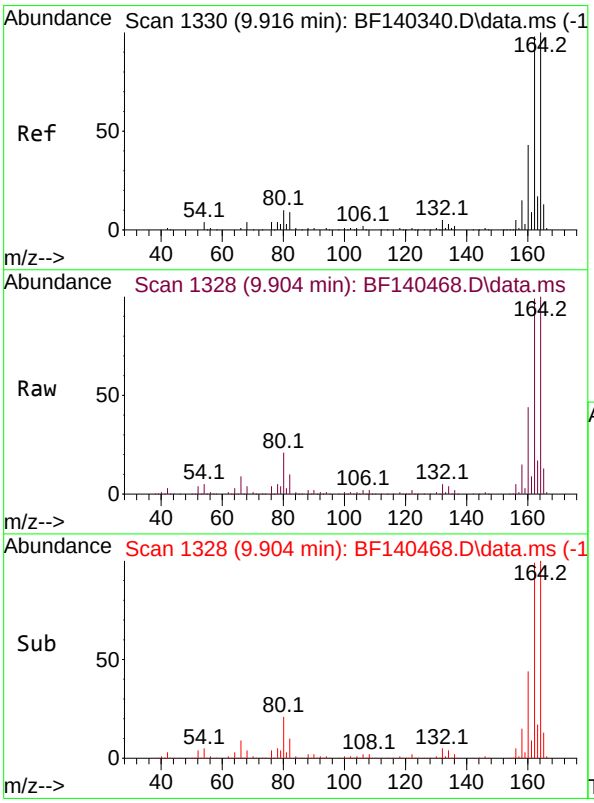
#23
Nitrobenzene-d5
Concen: 54.793 ng
RT: 7.434 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140468.D
Acq: 19 Nov 2024 12:54

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion: 82 Resp: 609652

Ion	Ratio	Lower	Upper
82	100		
128	43.0	33.3	49.9
54	47.9	39.8	59.8

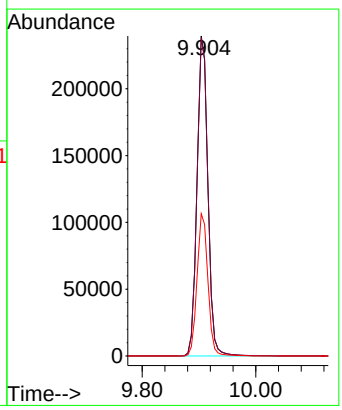


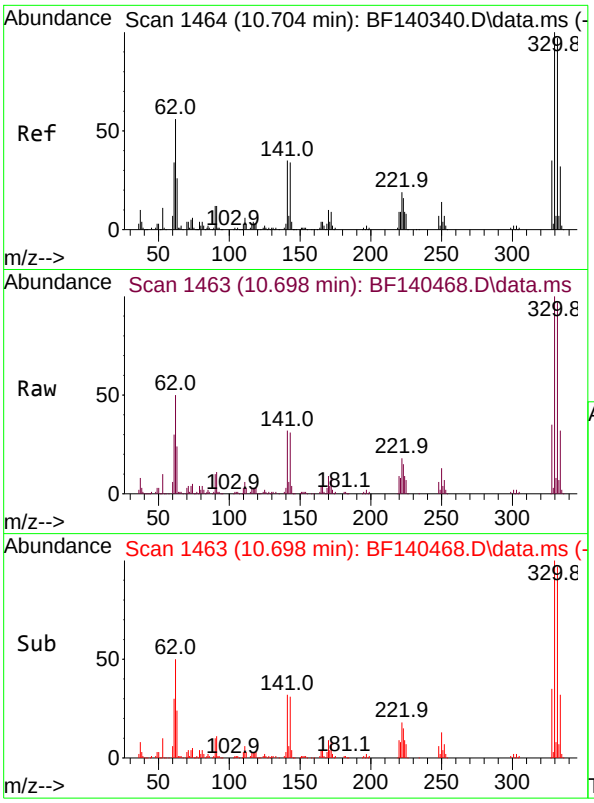


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140468.D
Acq: 19 Nov 2024 12:54

Tgt Ion:164 Resp: 318630

Ion	Ratio	Lower	Upper
164	100		
162	99.4	79.8	119.8
160	44.4	35.4	53.0



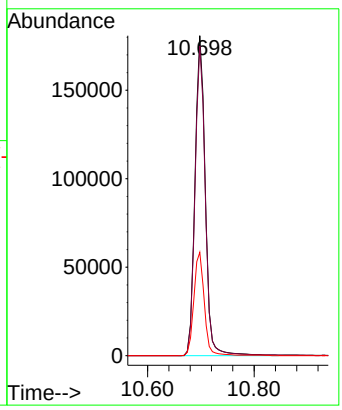


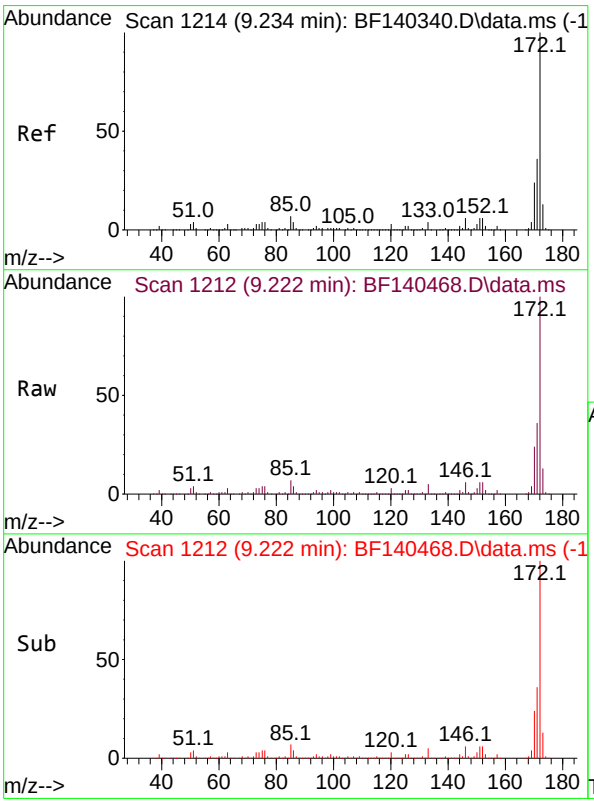
#42
2,4,6-Tribromophenol
Concen: 76.546 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140468.D
Acq: 19 Nov 2024 12:54

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion:330 Resp: 242538

Ion	Ratio	Lower	Upper
330	100		
332	96.8	75.9	113.9
141	32.7	26.9	40.3

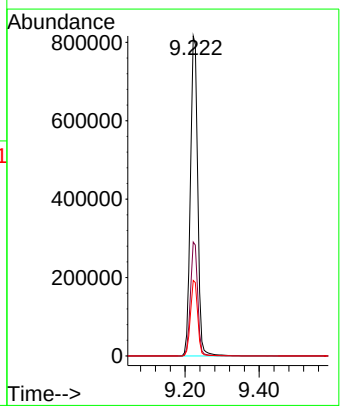


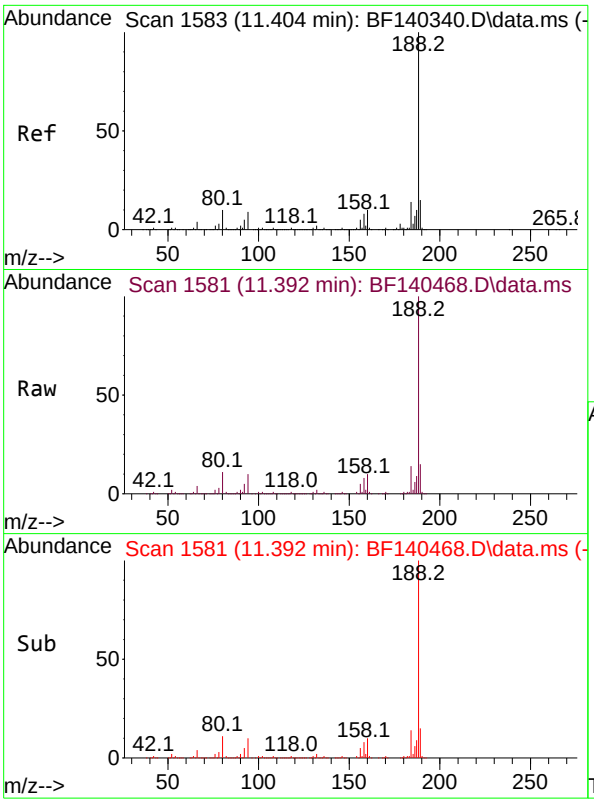


#45
2-Fluorobiphenyl
Concen: 56.199 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140468.D
Acq: 19 Nov 2024 12:54

Tgt Ion:172 Resp: 1113906

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.5	42.7
170	23.6	19.1	28.7



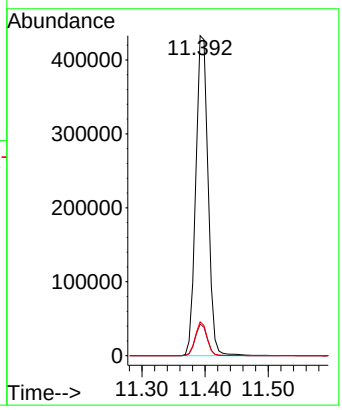


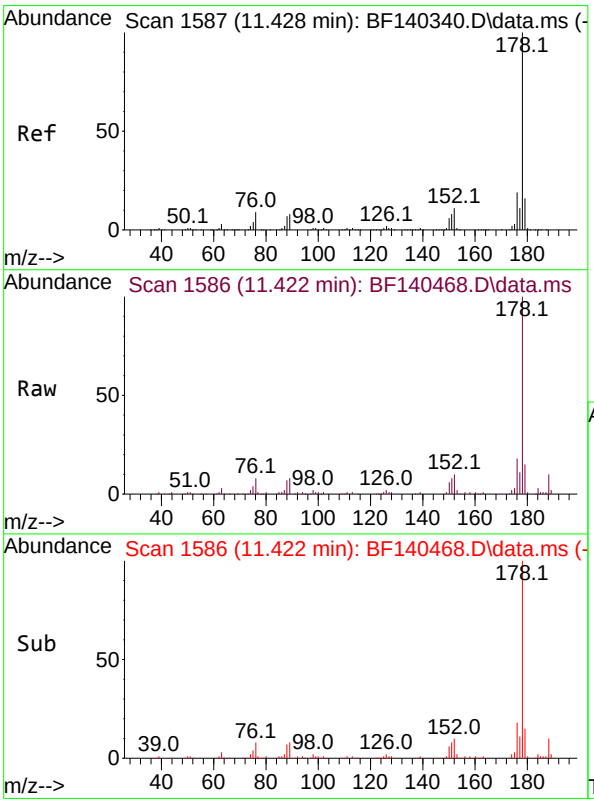
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140468.D
Acq: 19 Nov 2024 12:54

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion:188 Resp: 582083

Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.6	11.4
80	10.6	8.0	12.0

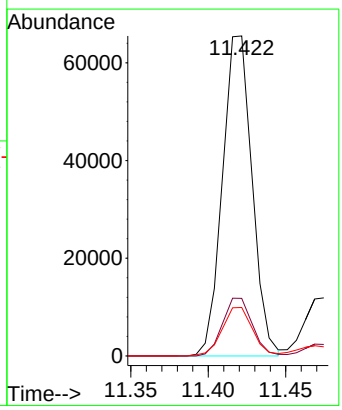


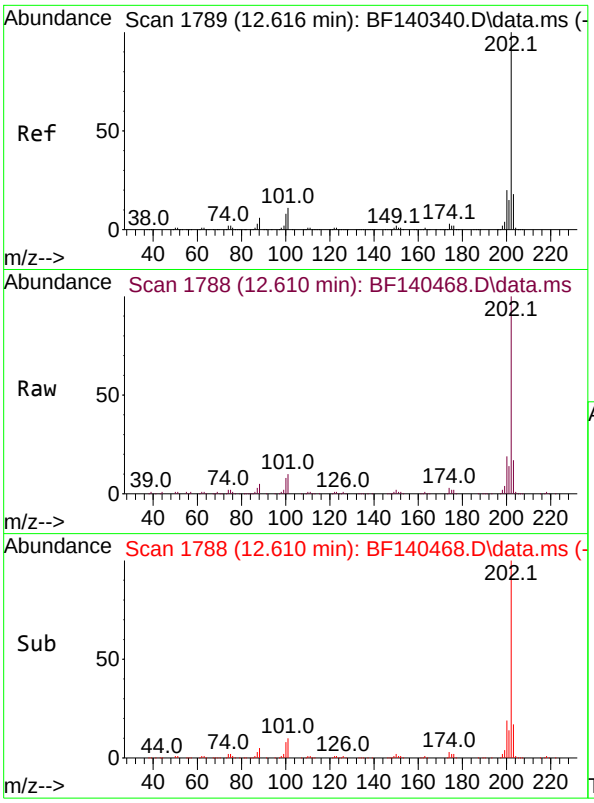


#71
Phenanthrene
Concen: 3.188 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140468.D
Acq: 19 Nov 2024 12:54

Tgt Ion:178 Resp: 87171

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.5	23.3
179	15.2	12.4	18.6



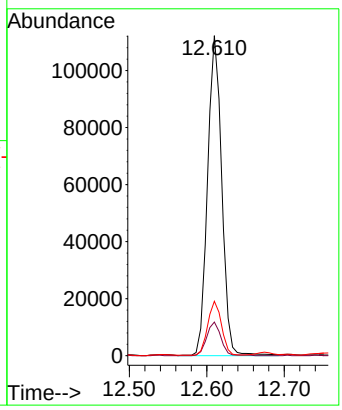


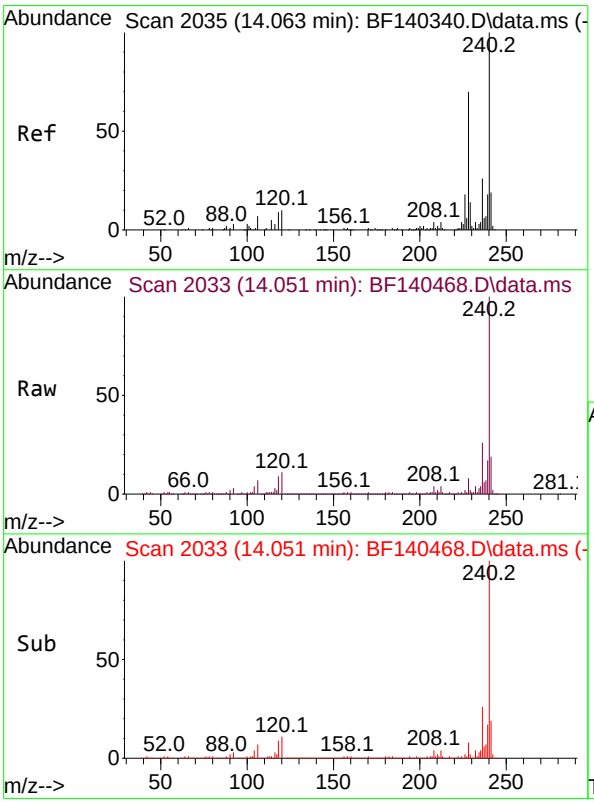
#75
Fluoranthene
Concen: 4.656 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140468.D
Acq: 19 Nov 2024 12:54

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion:202 Resp: 142825

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	30.7
203	17.0	0.0	37.7

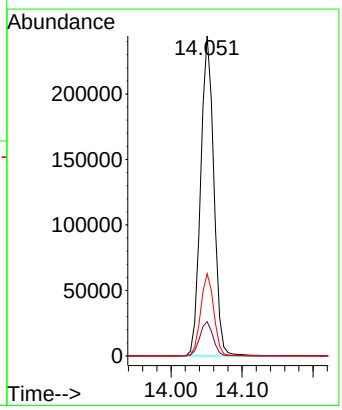


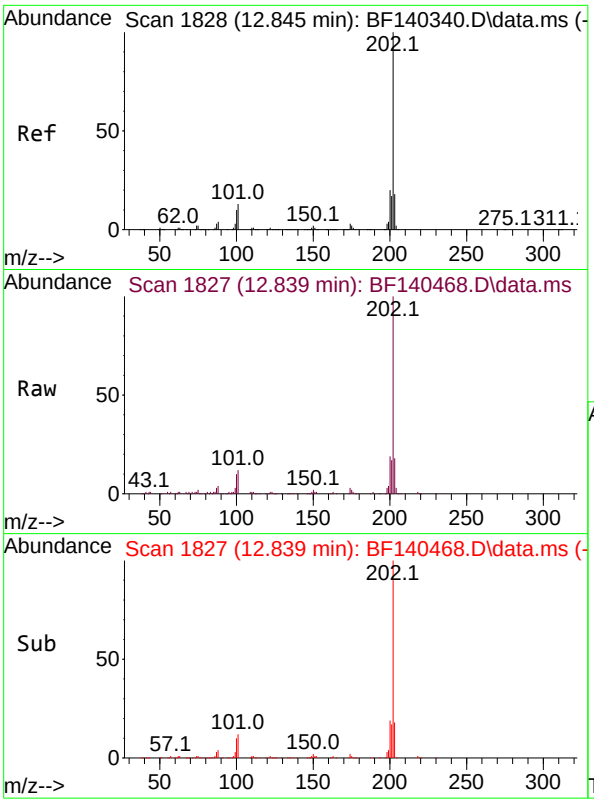


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF140468.D
Acq: 19 Nov 2024 12:54

Tgt Ion:240 Resp: 316058

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.8	13.2
236	25.7	20.9	31.3



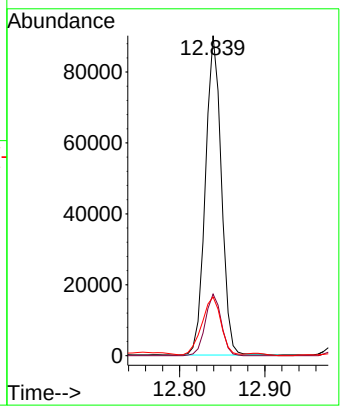


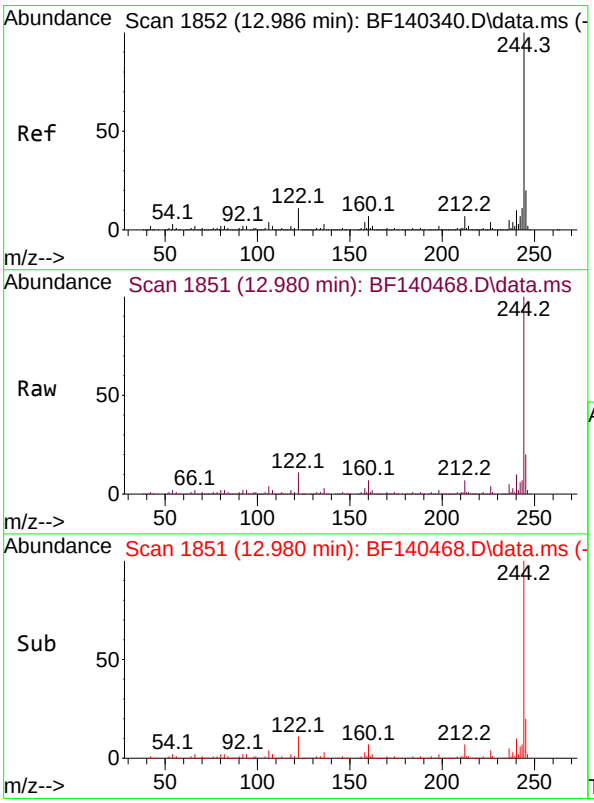
#78
Pyrene
Concen: 4.335 ng
RT: 12.839 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140468.D
Acq: 19 Nov 2024 12:54

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion:202 Resp: 117198

Ion	Ratio	Lower	Upper
202	100		
200	19.2	16.2	24.2
203	18.4	14.2	21.4

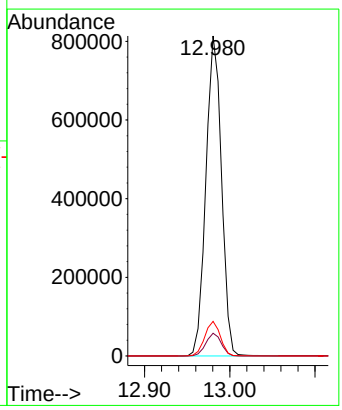


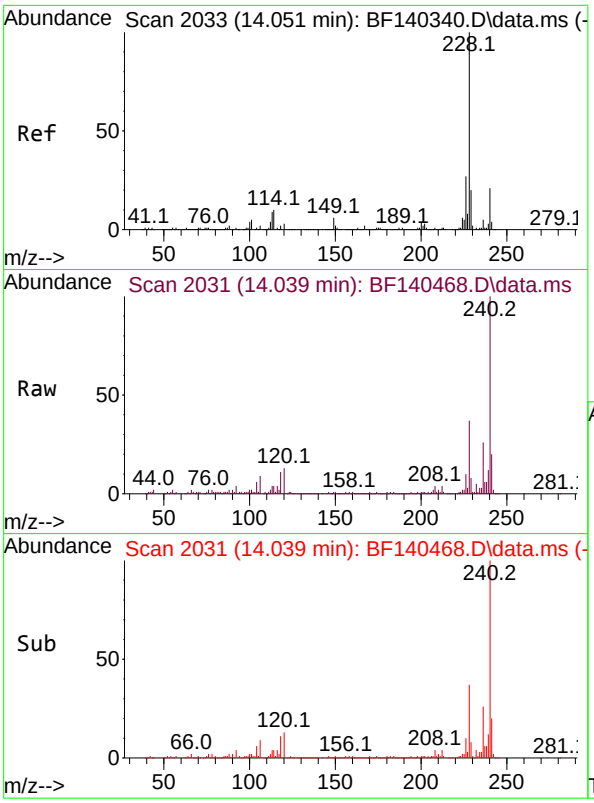


#79
Terphenyl-d14
Concen: 56.854 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF140468.D
Acq: 19 Nov 2024 12:54

Tgt Ion:244 Resp: 1035213

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	10.8	8.8	13.2



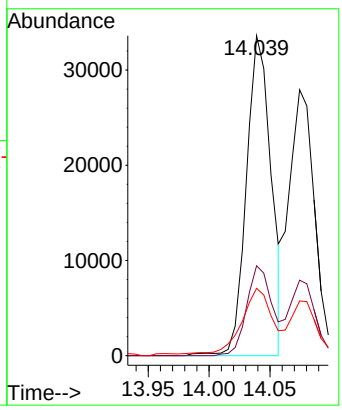


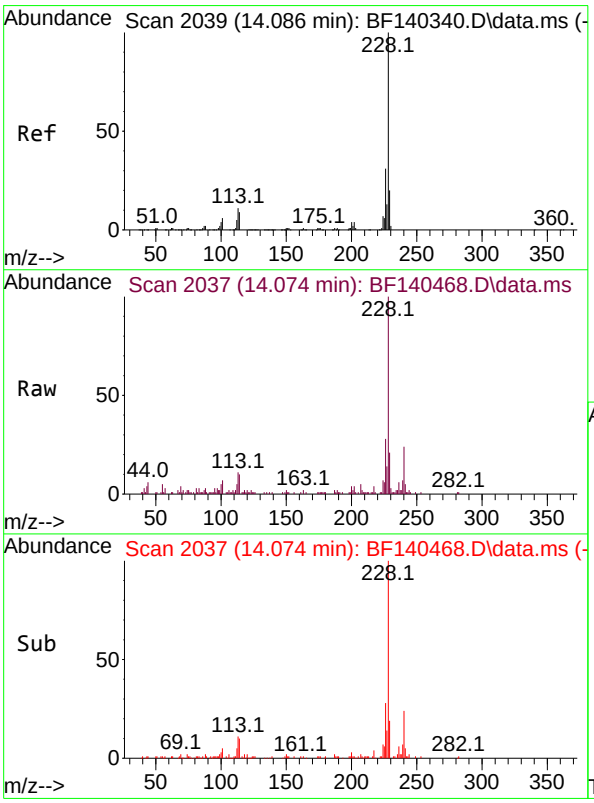
#81
Benzo(a)anthracene
Concen: 2.292 ng
RT: 14.039 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140468.D
Acq: 19 Nov 2024 12:54

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion:228 Resp: 47602

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.2	33.4
229	21.0	15.8	23.6

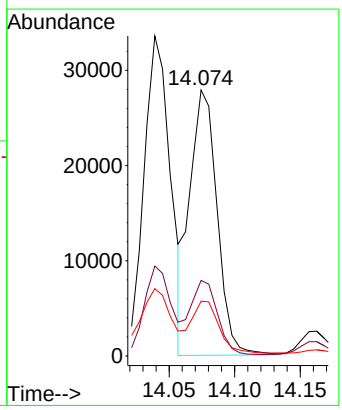


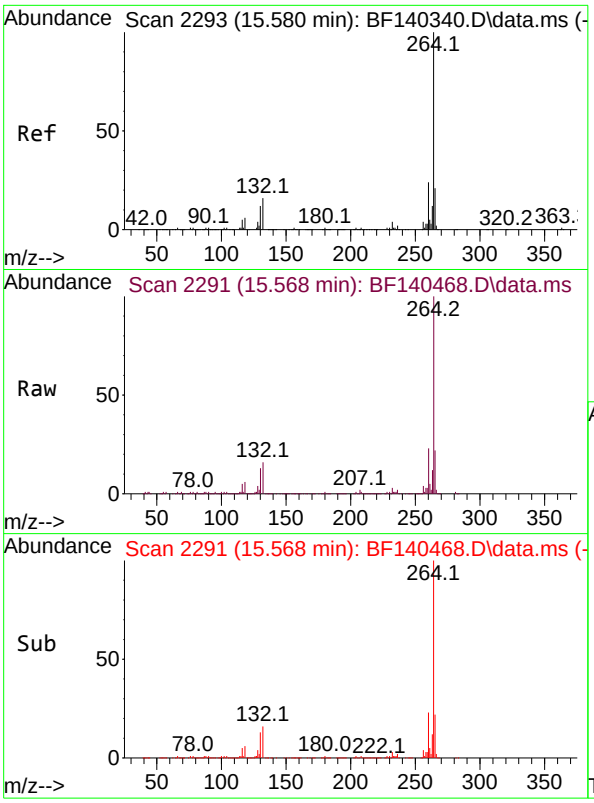


#83
Chrysene
Concen: 2.144 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF140468.D
Acq: 19 Nov 2024 12:54

Tgt Ion:228 Resp: 40634

Ion	Ratio	Lower	Upper
228	100		
226	28.4	24.5	36.7
229	20.6	16.0	24.0



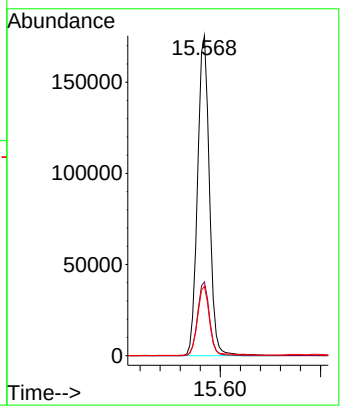


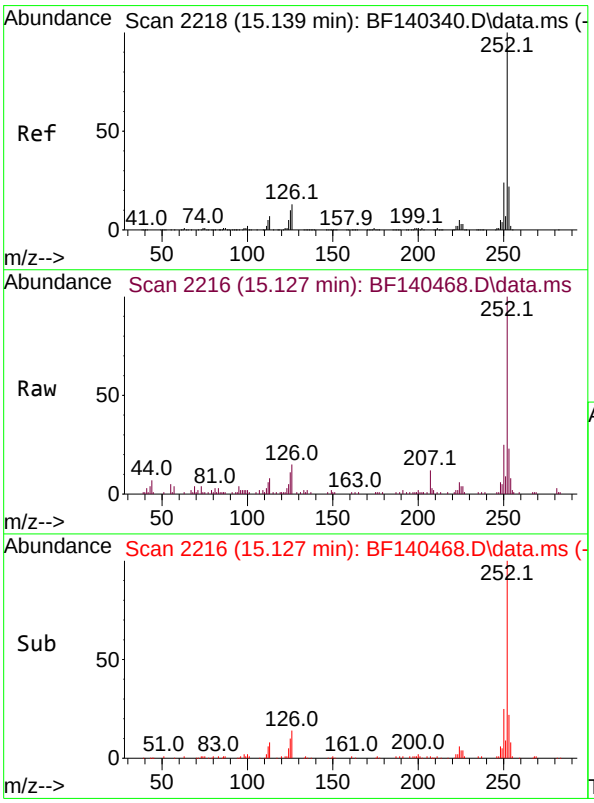
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF140468.D
Acq: 19 Nov 2024 12:54

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion:264 Resp: 288064

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.7	17.1	25.7

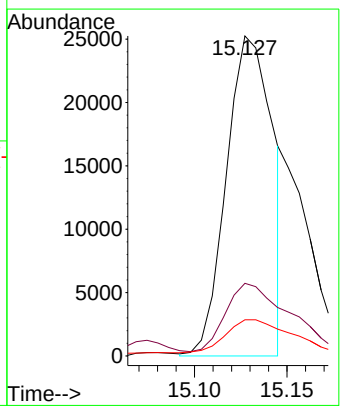


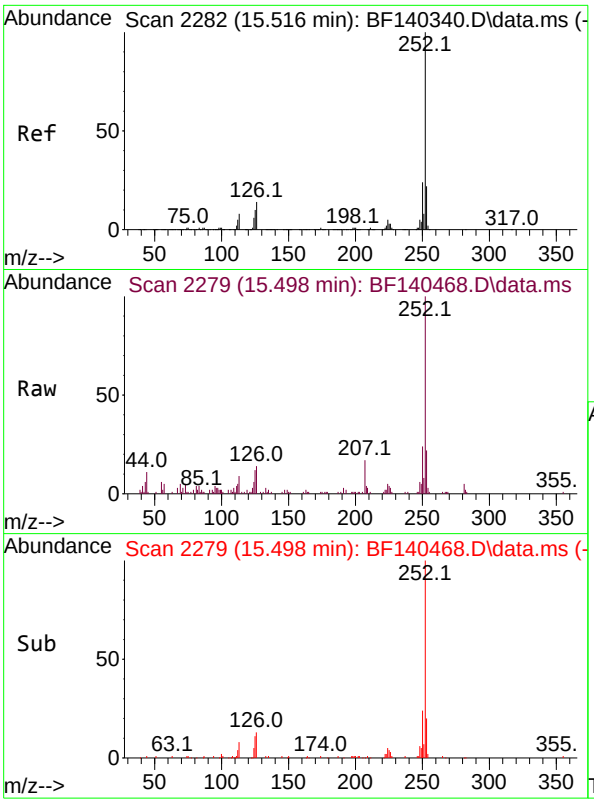


#88
Benzo(b)fluoranthene
Concen: 2.335 ng m
RT: 15.127 min Scan# 2216
Delta R.T. 0.012 min
Lab File: BF140468.D
Acq: 19 Nov 2024 12:54

Tgt Ion:252 Resp: 44000

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	11.3	8.0	12.0



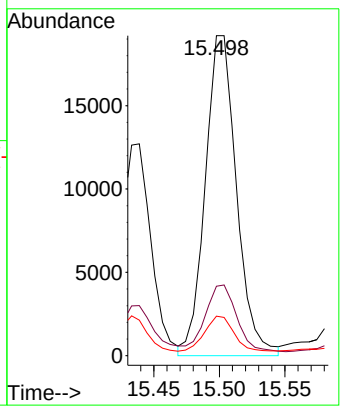


#90
Benzo(a)pyrene
Concen: 2.181 ng
RT: 15.498 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140468.D
Acq: 19 Nov 2024 12:54

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion:252 Resp: 31910

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.6
125	12.3	8.4	12.6



Raw Data: **BF140469.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder			Date Collected:	11/13/24
Project:	Webster School			Date Received:	11/14/24
Client Sample ID:	COMP-2			SDG No.:	P4852
Lab Sample ID:	P4852-02			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	81.4
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140469.D	1	11/15/24 09:30	11/19/24 13:21	PB164993

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
78-59-1	Isophorone	100	U	100	210	ug/Kg
91-20-3	Naphthalene	100	U	100	210	ug/Kg
86-73-7	Fluorene	100	U	100	210	ug/Kg
85-01-8	Phenanthrene	550		100	210	ug/Kg
120-12-7	Anthracene	130	J	100	210	ug/Kg
129-00-0	Pyrene	640		100	210	ug/Kg
56-55-3	Benzo(a)anthracene	360		99.0	210	ug/Kg
218-01-9	Chrysene	330		97.5	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	340		99.5	210	ug/Kg
50-32-8	Benzo(a)pyrene	320		110	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	J	98.2	210	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	69.0		18 - 107	69%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.5		20 - 109	68%	SPK: 100
1718-51-0	Terphenyl-d14	70.8		10 - 105	71%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	149000	6.869			
1146-65-2	Naphthalene-d8	570000	8.151			
15067-26-2	Acenaphthene-d10	315000	9.904			
1517-22-2	Phenanthrene-d10	555000	11.398			
1719-03-5	Chrysene-d12	289000	14.051			
1520-96-3	Perylene-d12	281000	15.562			

Raw Data: **BF140469.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder			Date Collected:	11/13/24
Project:	Webster School			Date Received:	11/14/24
Client Sample ID:	COMP-2			SDG No.:	P4852
Lab Sample ID:	P4852-02			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	81.4
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140469.D	1	11/15/24 09:30	11/19/24 13:21	PB164993

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140469.D
Acq On : 19 Nov 2024 13:21
Operator : RC/JU
Sample : P4852-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-2

Quant Time: Nov 19 13:47:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

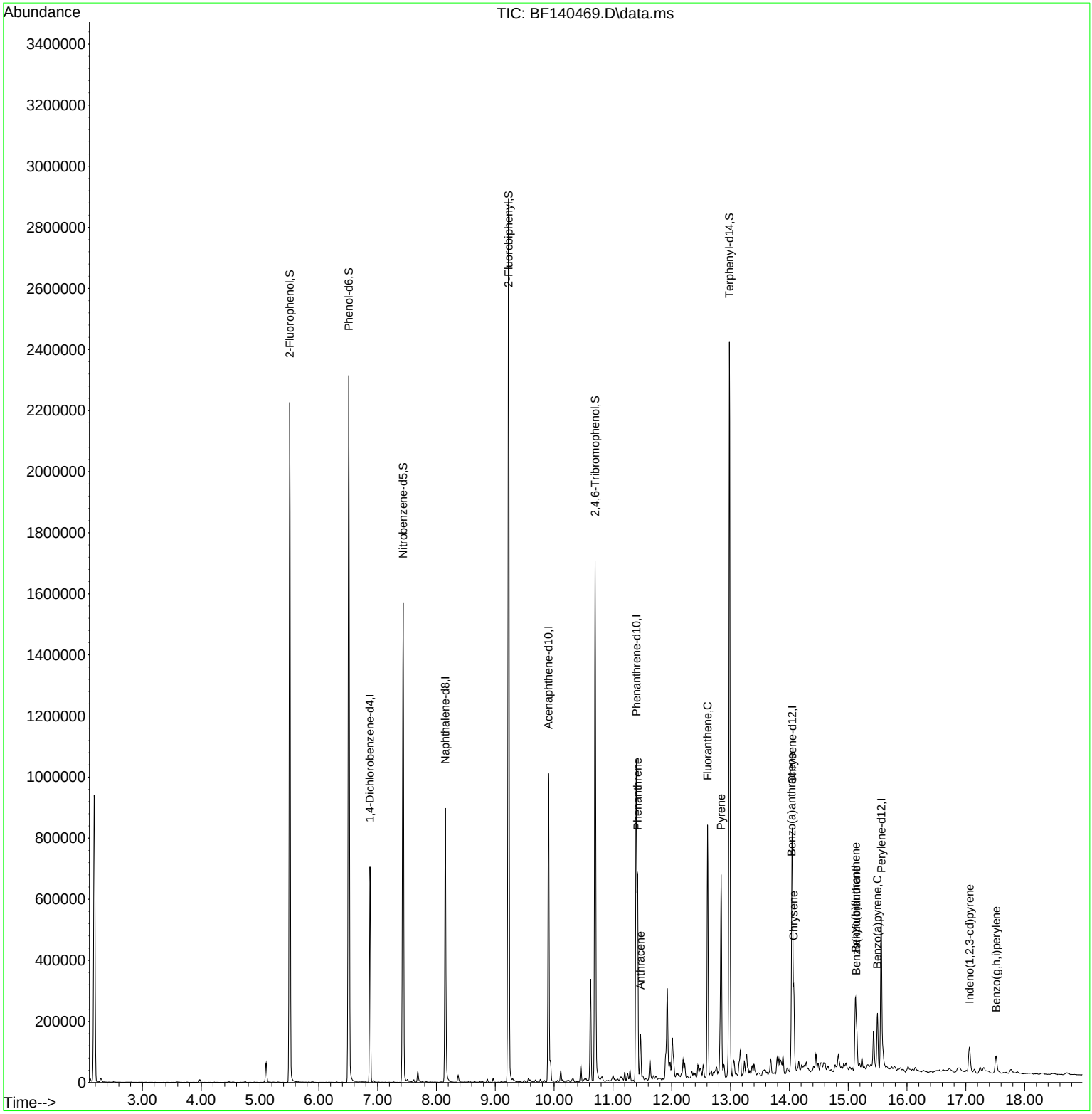
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	149238	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	570099	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	314788	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	554705	20.000	ng	0.00
76) Chrysene-d12	14.051	240	289074	20.000	ng	0.00
86) Perylene-d12	15.562	264	280792	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	832515	95.245	ng	0.01
7) Phenol-d6	6.510	99	1154409	97.482	ng	0.00
23) Nitrobenzene-d5	7.433	82	755189	69.019	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	298718	95.427	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1340573	68.460	ng	0.00
79) Terphenyl-d14	12.980	244	1179664	70.835	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.421	178	353401	13.562	ng	99
72) Anthracene	11.469	178	81481	3.191	ng	97
75) Fluoranthene	12.610	202	464619	15.893	ng	100
78) Pyrene	12.839	202	387652	15.678	ng	98
81) Benzo(a)anthracene	14.039	228	169106	8.901	ng	98
83) Chrysene	14.074	228	141161	8.143	ng	98
87) Indeno(1,2,3-cd)pyrene	17.062	276	62021	3.576	ng	95
88) Benzo(b)fluoranthene	15.127	252	152994m	8.329	ng	
89) Benzo(k)fluoranthene	15.139	252	61054m	4.069	ng	
90) Benzo(a)pyrene	15.498	252	111656	7.828	ng	99
92) Benzo(g,h,i)perylene	17.515	276	55554	3.790	ng	99

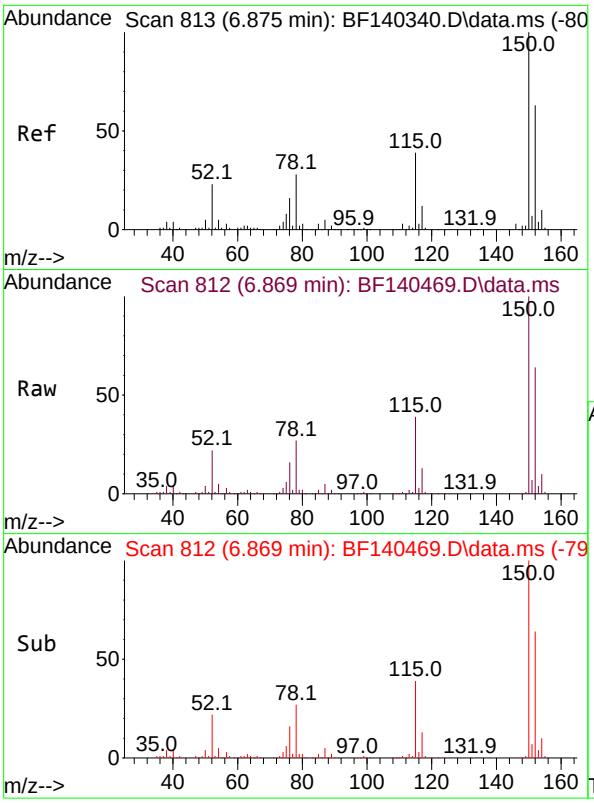
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140469.D
Acq On : 19 Nov 2024 13:21
Operator : RC/JU
Sample : P4852-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-2

Quant Time: Nov 19 13:47:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration



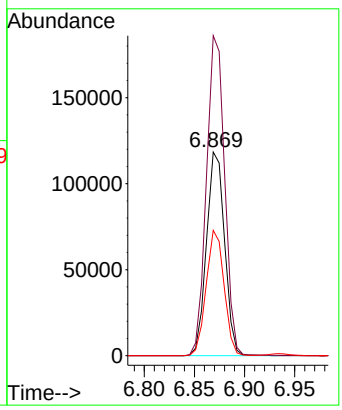


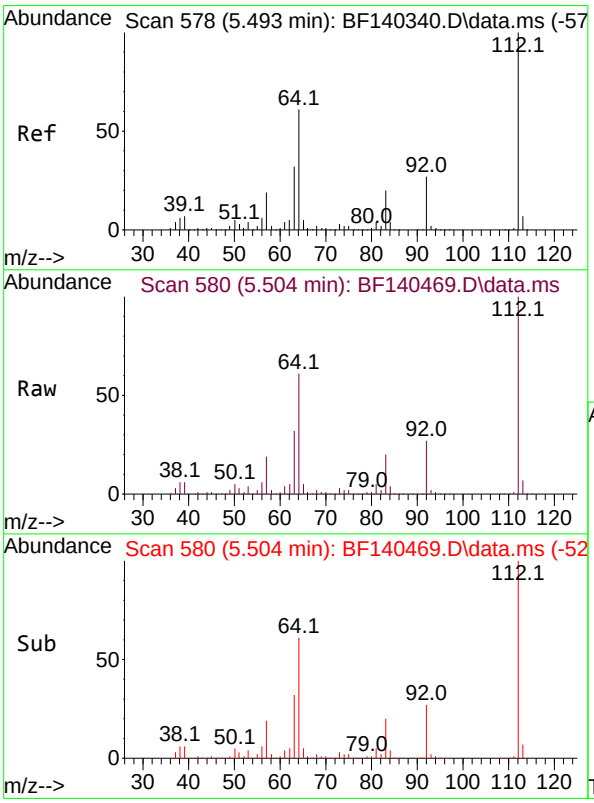
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF140469.D
Acq: 19 Nov 2024 13:21

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion:152 Resp: 149238

Ion	Ratio	Lower	Upper
152	100		
150	157.1	127.4	191.0
115	61.5	47.4	71.2

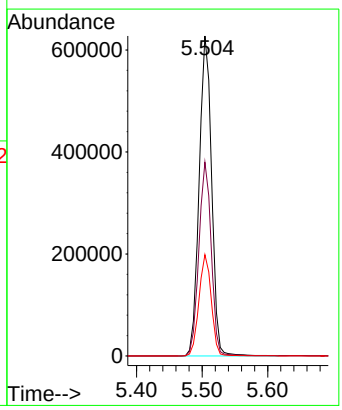


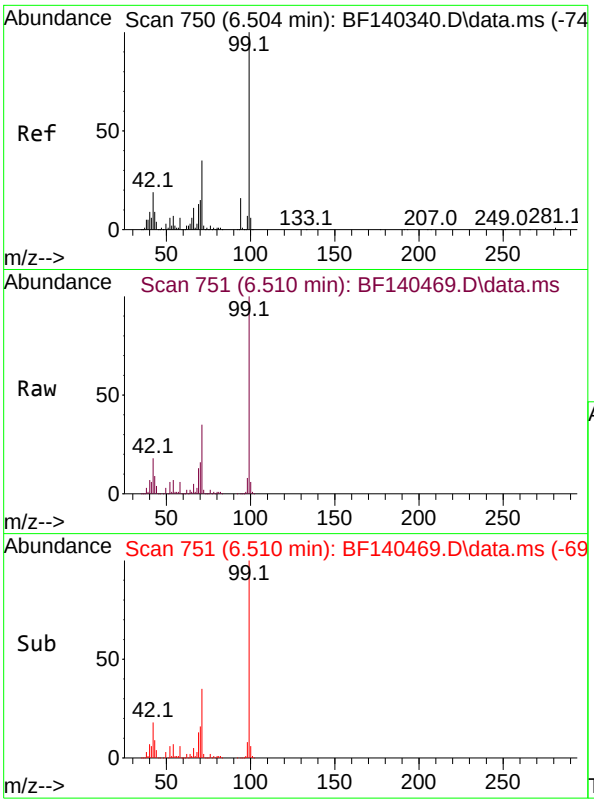


#5
2-Fluorophenol
Concen: 95.245 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140469.D
Acq: 19 Nov 2024 13:21

Tgt Ion:112 Resp: 832515

Ion	Ratio	Lower	Upper
112	100		
64	60.5	49.2	73.8
63	31.6	25.6	38.4



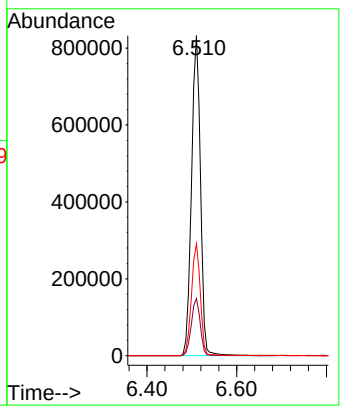


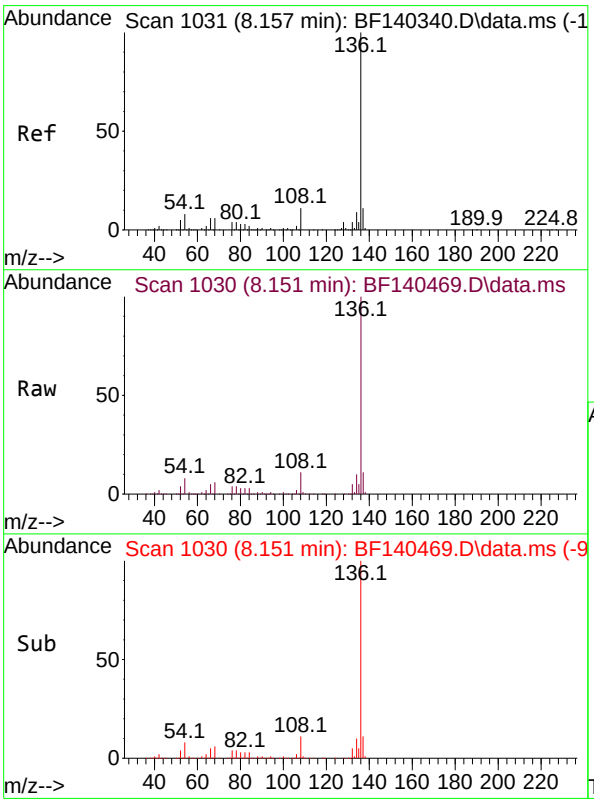
#7
Phenol-d6
Concen: 97.482 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140469.D
Acq: 19 Nov 2024 13:21

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion: 99 Resp: 1154409

Ion	Ratio	Lower	Upper
99	100		
42	17.8	15.1	22.7
71	34.9	27.9	41.9

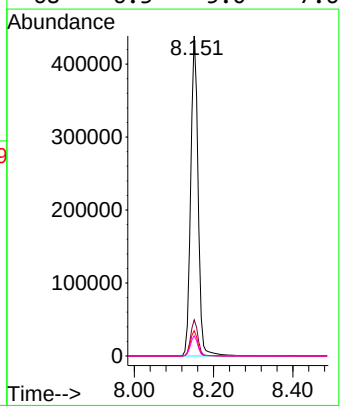


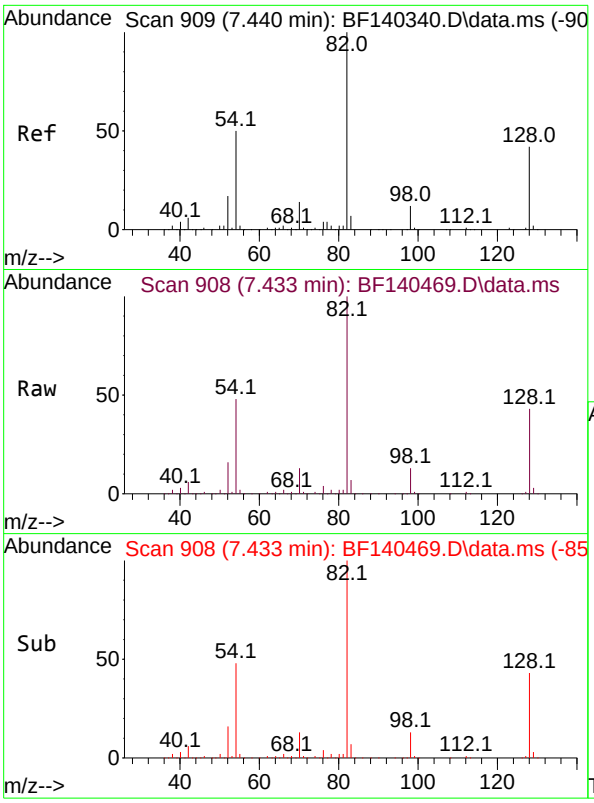


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140469.D
Acq: 19 Nov 2024 13:21

Tgt Ion:136 Resp: 570099

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	7.9	6.5	9.7
68	6.3	5.0	7.6



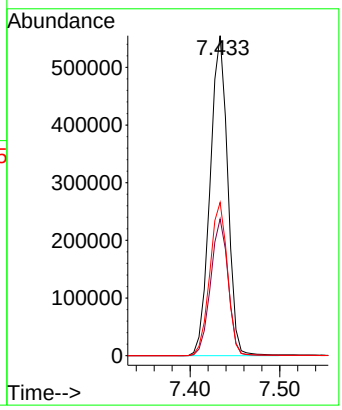


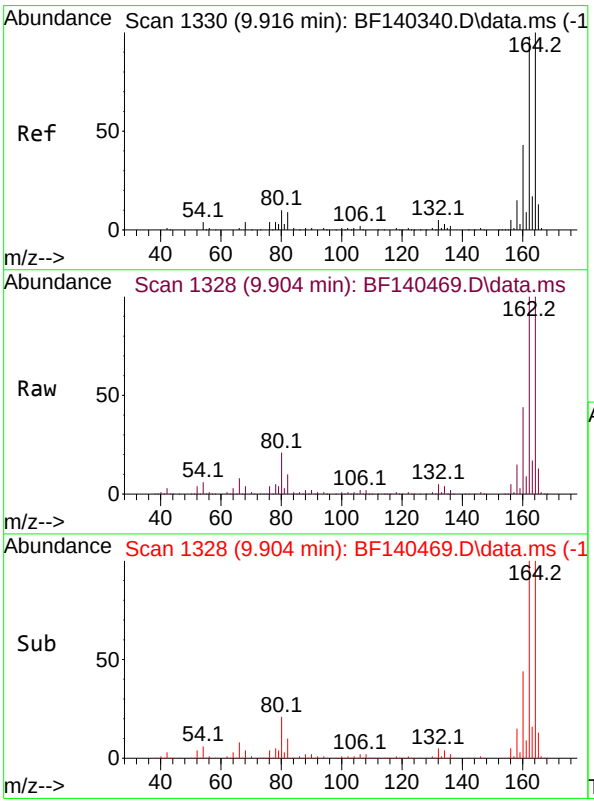
#23
Nitrobenzene-d5
Concen: 69.019 ng
RT: 7.433 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140469.D
Acq: 19 Nov 2024 13:21

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion: 82 Resp: 755189

Ion	Ratio	Lower	Upper
82	100		
128	42.7	33.3	49.9
54	47.9	39.8	59.8

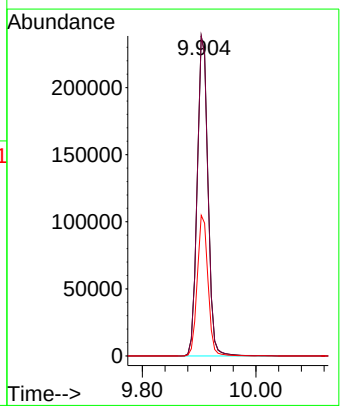


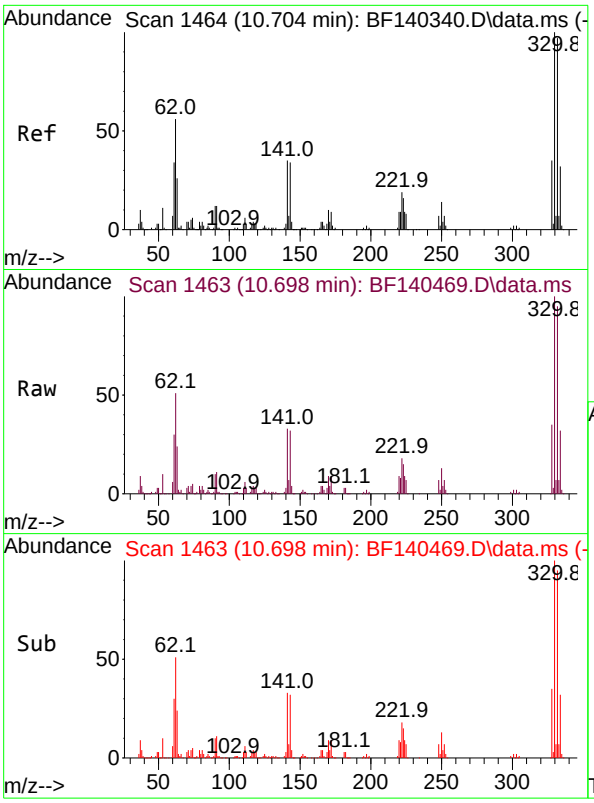


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140469.D
Acq: 19 Nov 2024 13:21

Tgt Ion:164 Resp: 314788

Ion	Ratio	Lower	Upper
164	100		
162	100.0	79.8	119.8
160	44.0	35.4	53.0



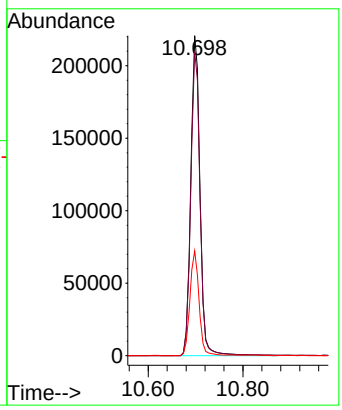


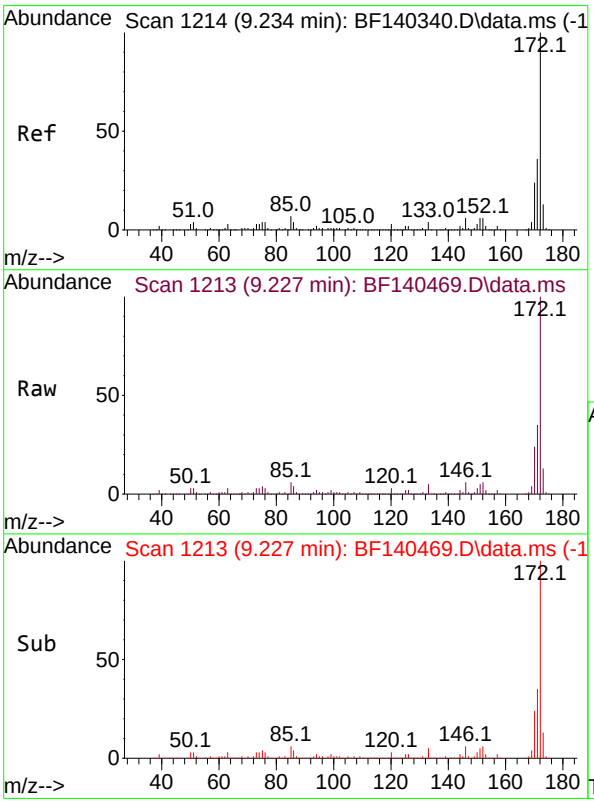
#42
2,4,6-Tribromophenol
Concen: 95.427 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140469.D
Acq: 19 Nov 2024 13:21

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion:330 Resp: 298718

Ion	Ratio	Lower	Upper
330	100		
332	95.9	75.9	113.9
141	32.6	26.9	40.3

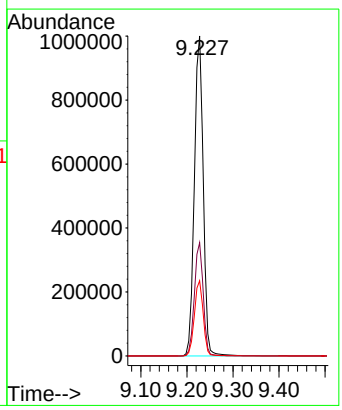


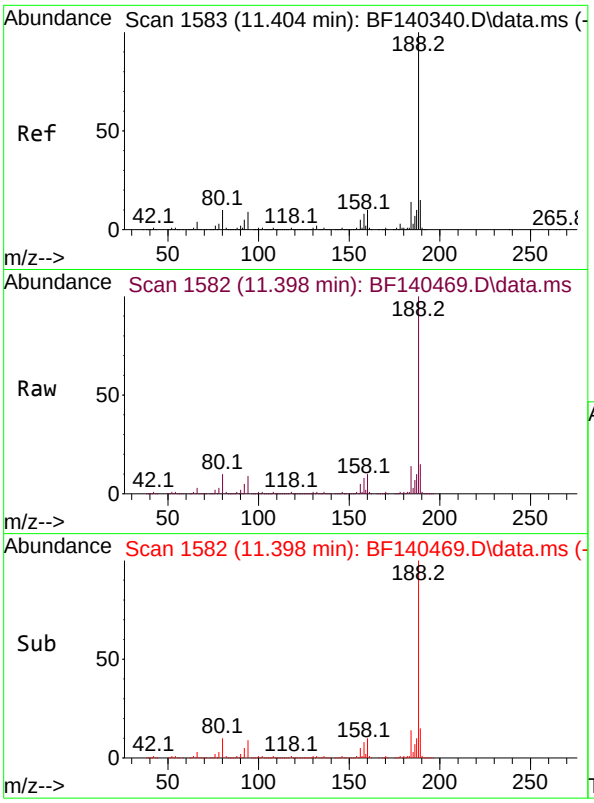


#45
2-Fluorobiphenyl
Concen: 68.460 ng
RT: 9.227 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140469.D
Acq: 19 Nov 2024 13:21

Tgt Ion:172 Resp: 1340573

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.5	42.7
170	23.5	19.1	28.7



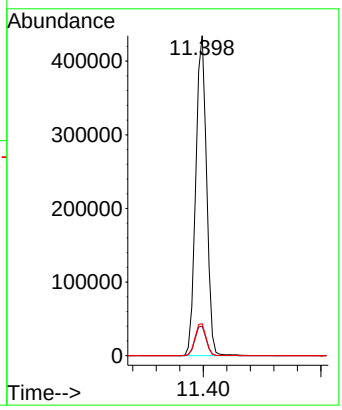


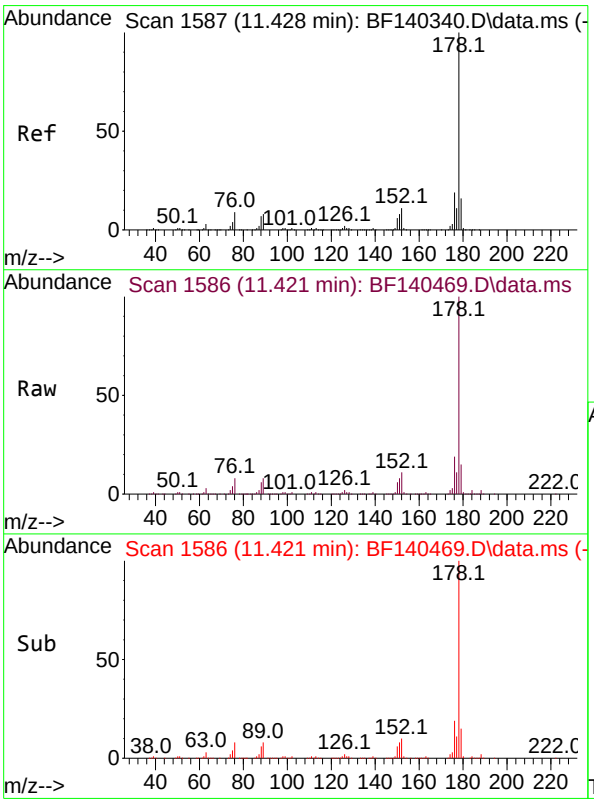
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140469.D
Acq: 19 Nov 2024 13:21

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion:188 Resp: 554705

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.6	11.4
80	10.0	8.0	12.0

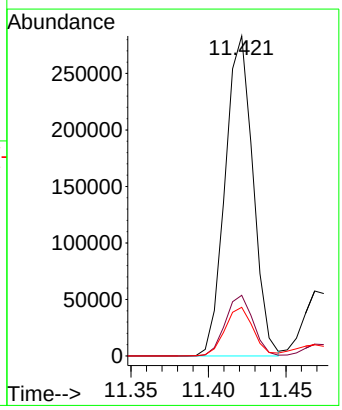


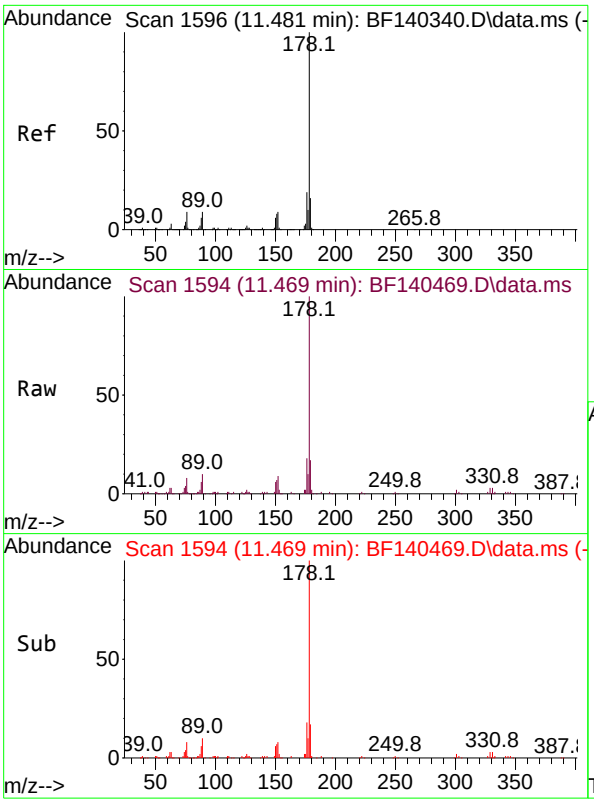


#71
Phenanthrene
Concen: 13.562 ng
RT: 11.421 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140469.D
Acq: 19 Nov 2024 13:21

Tgt Ion:178 Resp: 353401

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.2	12.4	18.6



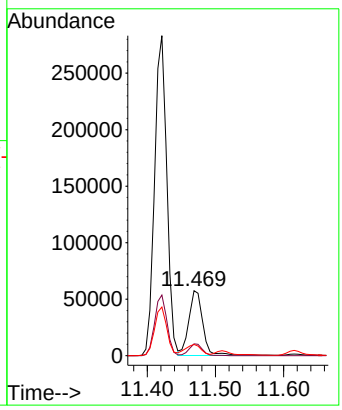


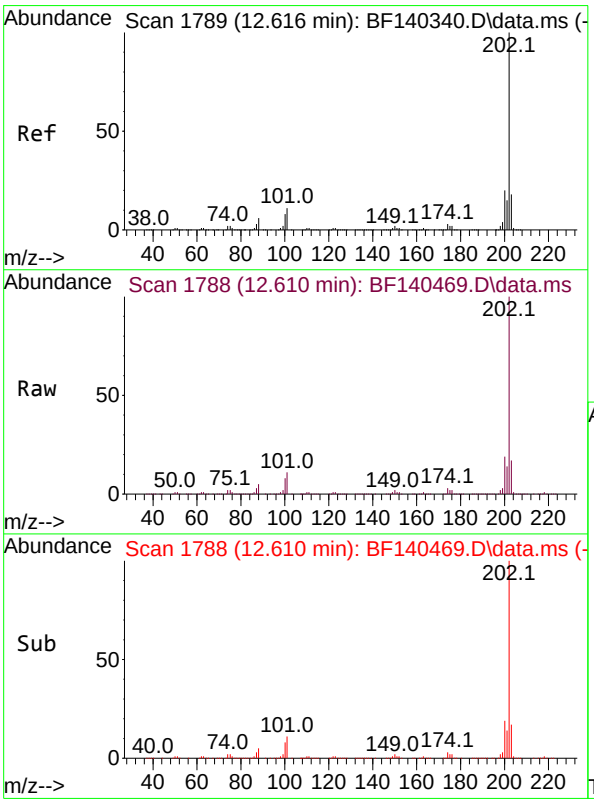
#72
Anthracene
Concen: 3.191 ng
RT: 11.469 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140469.D
Acq: 19 Nov 2024 13:21

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion:178 Resp: 81481

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.0
179	17.3	12.6	18.8

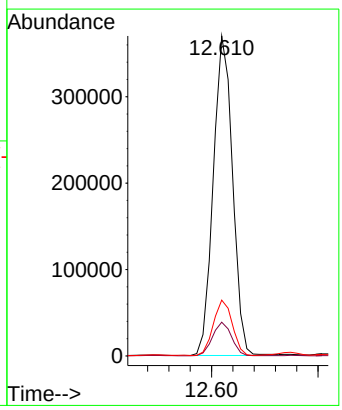


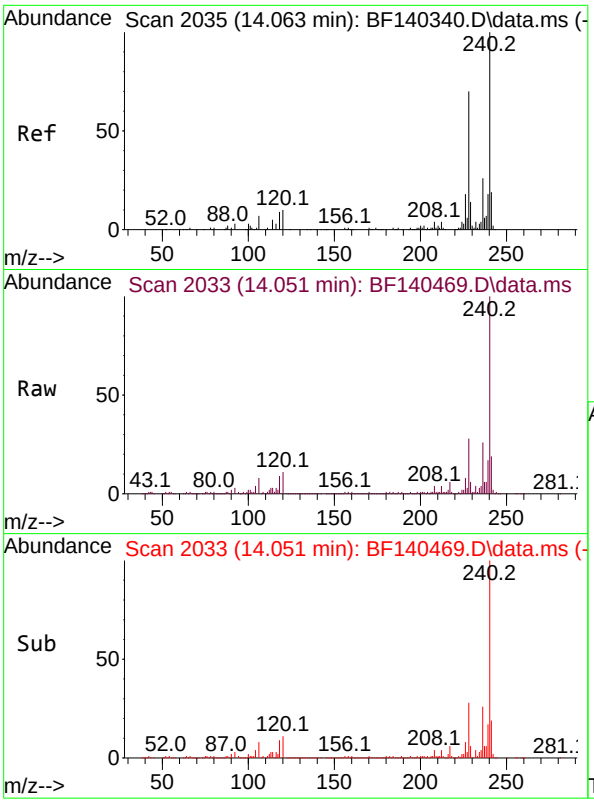


#75
Fluoranthene
Concen: 15.893 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF140469.D
Acq: 19 Nov 2024 13:21

Tgt Ion:202 Resp: 464619

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	30.7
203	17.5	0.0	37.7



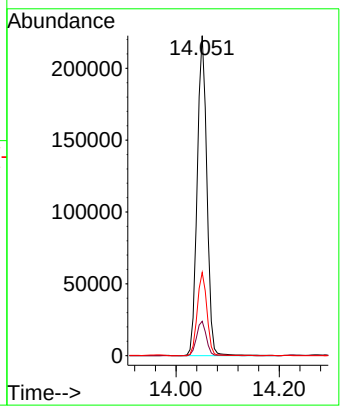


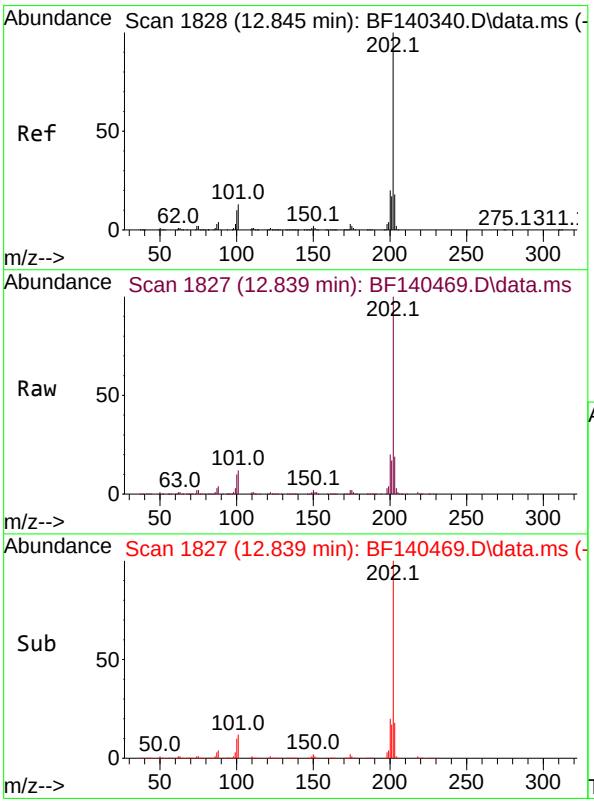
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140469.D
Acq: 19 Nov 2024 13:21

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion:240 Resp: 289074

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.8	13.2
236	26.0	20.9	31.3

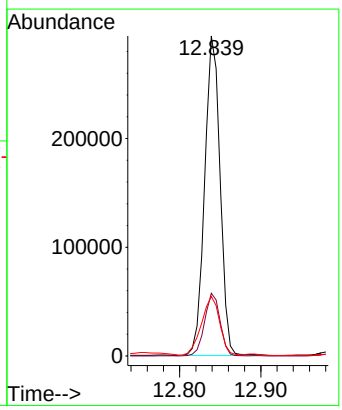


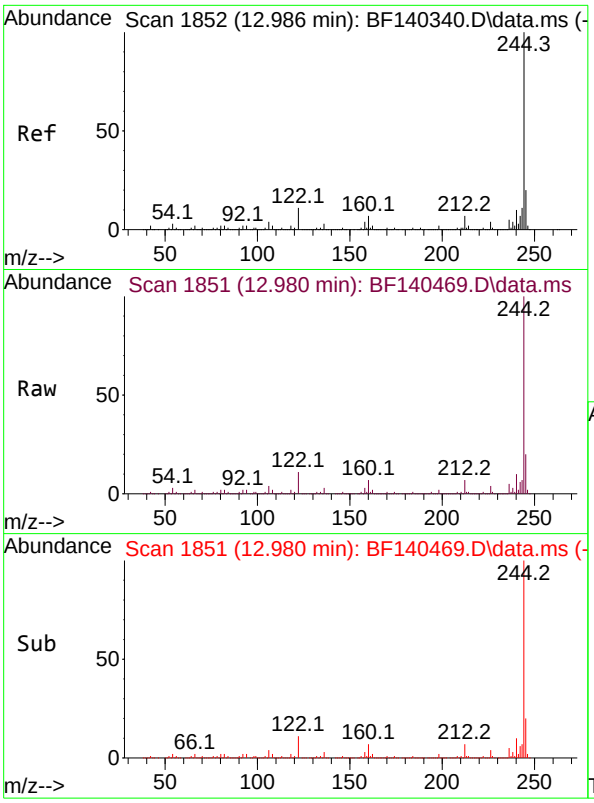


#78
Pyrene
Concen: 15.678 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF140469.D
Acq: 19 Nov 2024 13:21

Tgt Ion:202 Resp: 387652

Ion	Ratio	Lower	Upper
202	100		
200	19.6	16.2	24.2
203	18.6	14.2	21.4



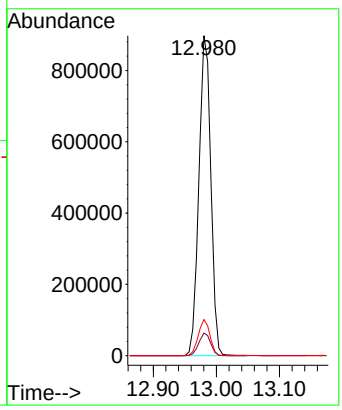


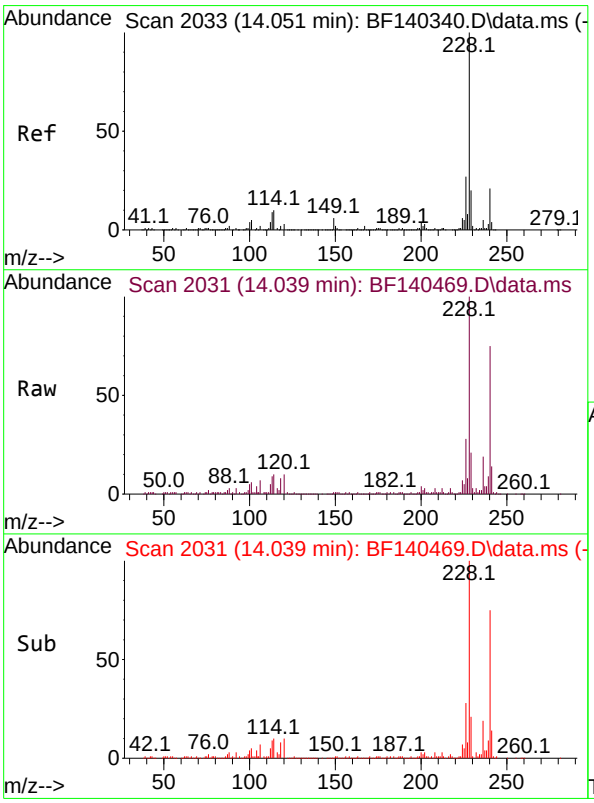
#79
Terphenyl-d14
Concen: 70.835 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140469.D
Acq: 19 Nov 2024 13:21

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion:244 Resp: 1179664

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	11.3	8.8	13.2

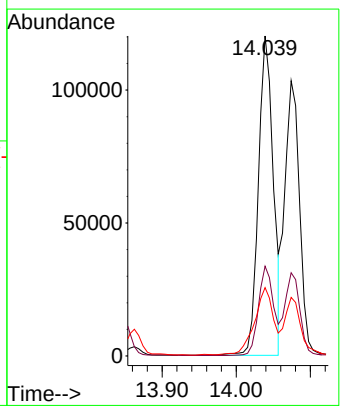


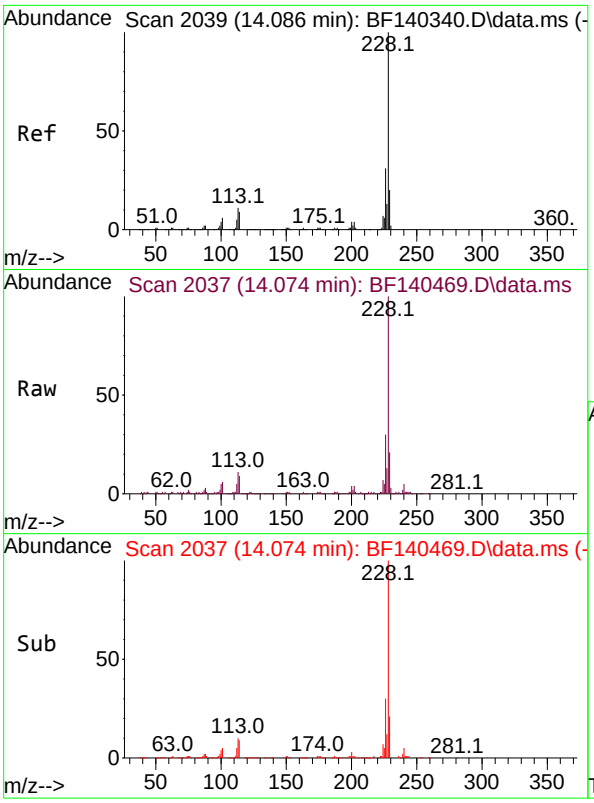


#81
Benzo(a)anthracene
Concen: 8.901 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF140469.D
Acq: 19 Nov 2024 13:21

Tgt Ion:228 Resp: 169106

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.2	33.4
229	21.3	15.8	23.6



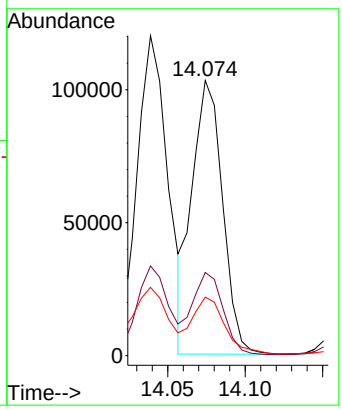


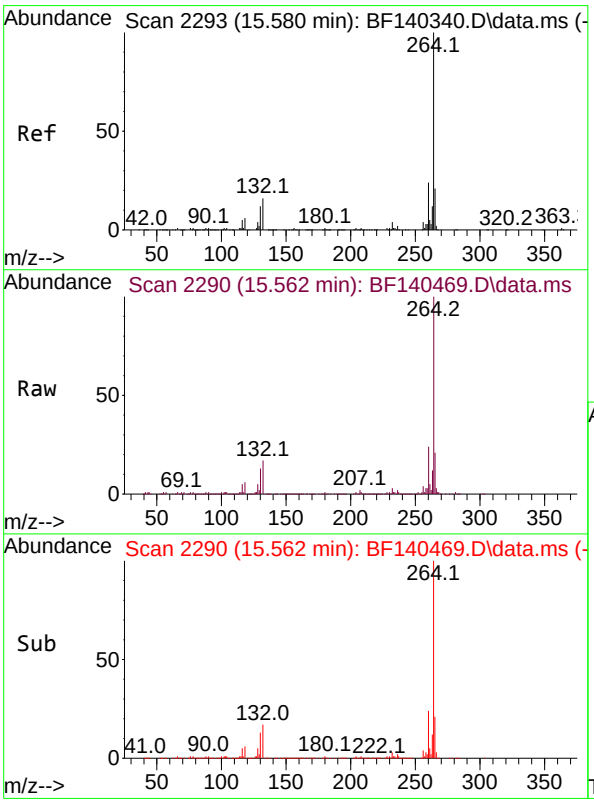
#83
Chrysene
Concen: 8.143 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140469.D
Acq: 19 Nov 2024 13:21

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion:228 Resp: 141161

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.5	36.7
229	21.3	16.0	24.0

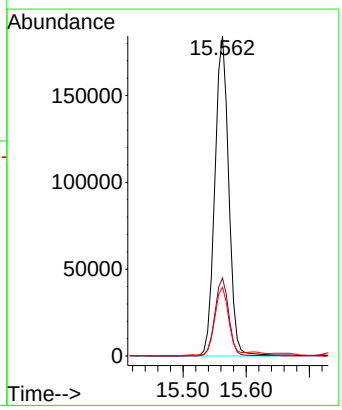


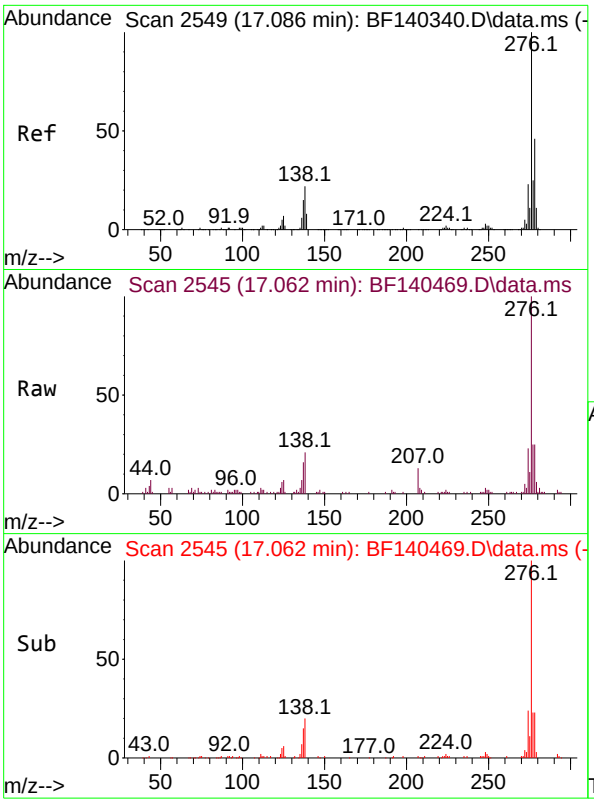


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2290
Delta R.T. 0.006 min
Lab File: BF140469.D
Acq: 19 Nov 2024 13:21

Tgt Ion:264 Resp: 280792

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.5	17.1	25.7



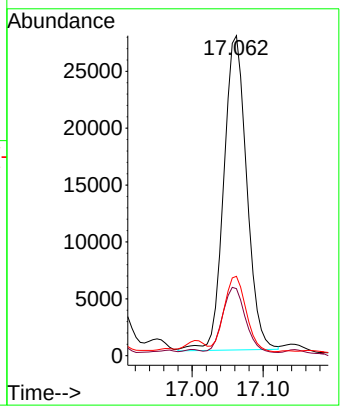


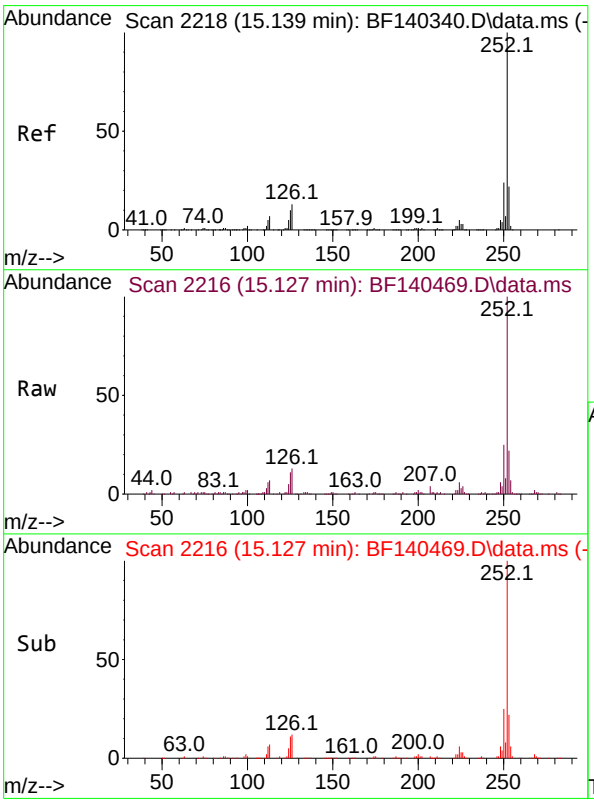
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.576 ng
RT: 17.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140469.D
Acq: 19 Nov 2024 13:21

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion:276 Resp: 62021

Ion	Ratio	Lower	Upper
276	100		
138	20.5	18.8	28.2
277	23.3	20.2	30.2

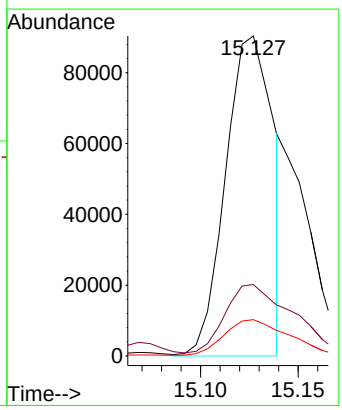


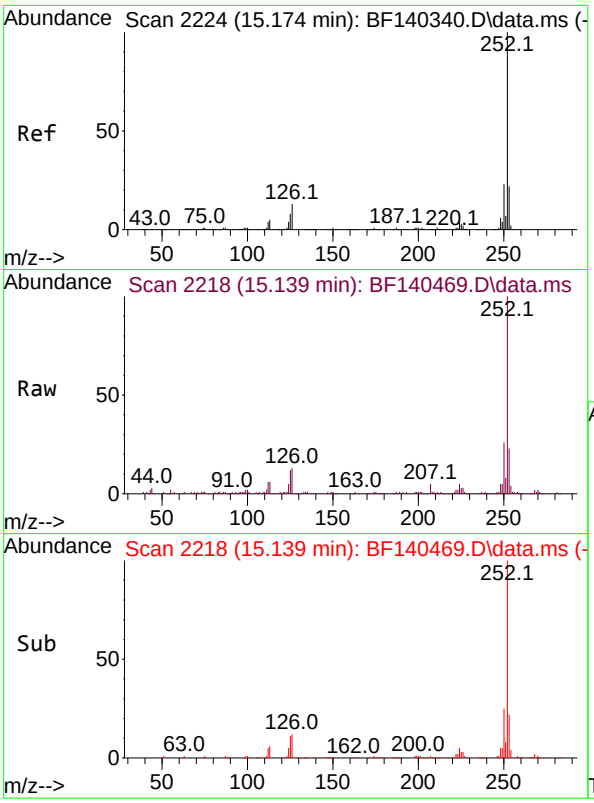


#88
Benzo(b)fluoranthene
Concen: 8.329 ng m
RT: 15.127 min Scan# 2216
Delta R.T. 0.012 min
Lab File: BF140469.D
Acq: 19 Nov 2024 13:21

Tgt Ion:252 Resp: 152994

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	11.3	8.0	12.0



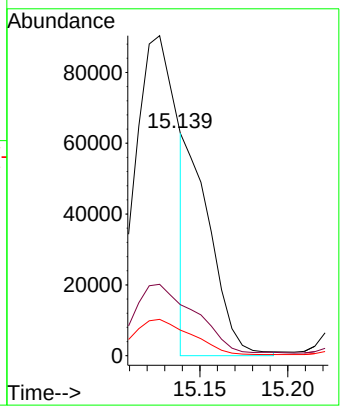


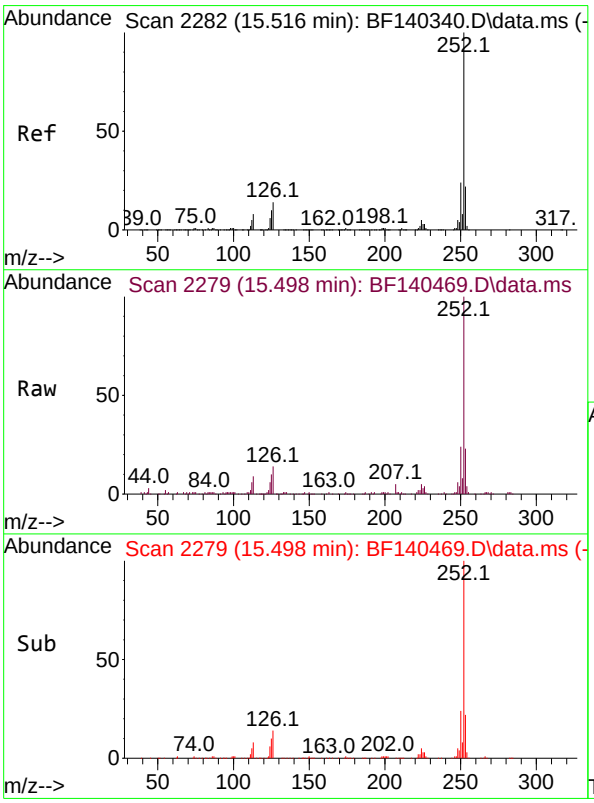
#89
Benzo(k)fluoranthene
Concen: 4.069 ng m
RT: 15.139 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF140469.D
Acq: 19 Nov 2024 13:21

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion:252 Resp: 61054

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.3	25.9
125	11.5	7.4	11.2#

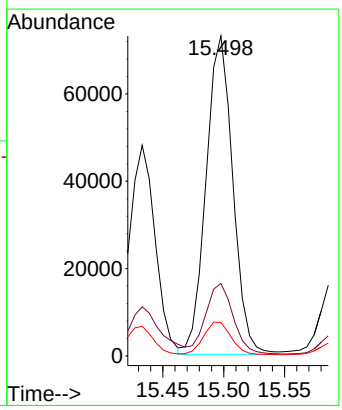


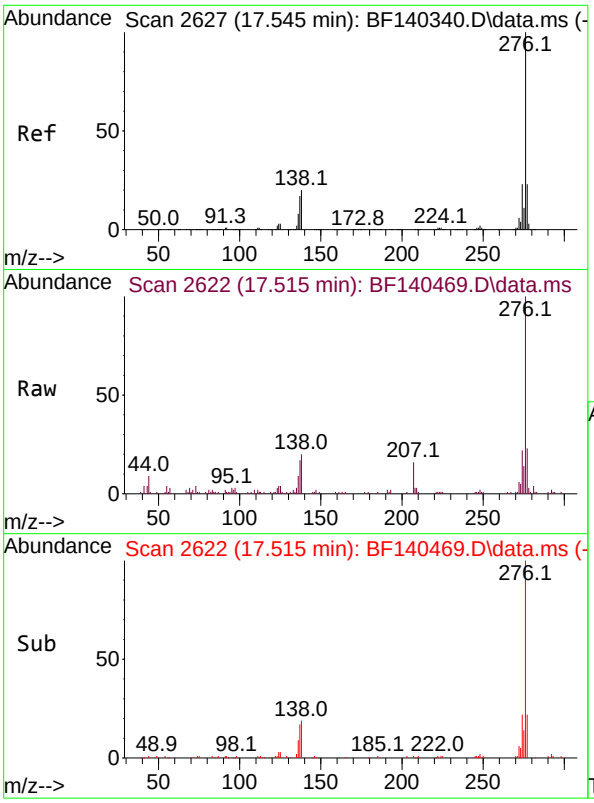


#90
Benzo(a)pyrene
Concen: 7.828 ng
RT: 15.498 min Scan# 2279
Delta R.T. 0.006 min
Lab File: BF140469.D
Acq: 19 Nov 2024 13:21

Tgt Ion:252 Resp: 111656

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	10.4	8.4	12.6



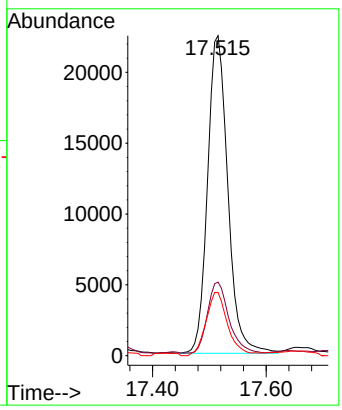


#92
Benzo(g,h,i)perylene
Concen: 3.790 ng
RT: 17.515 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140469.D
Acq: 19 Nov 2024 13:21

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion:276 Resp: 55554

Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.6	28.0
138	19.7	16.0	24.0



Raw Data: **BF140470.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder			Date Collected:	11/13/24
Project:	Webster School			Date Received:	11/14/24
Client Sample ID:	COMP-3			SDG No.:	P4852
Lab Sample ID:	P4852-03			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	88.4
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140470.D	1	11/15/24 09:30	11/19/24 13:47	PB164993

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
78-59-1	Isophorone	95.6	U	95.6	190	ug/Kg
91-20-3	Naphthalene	93.3	U	93.3	190	ug/Kg
86-73-7	Fluorene	96.6	U	96.6	190	ug/Kg
85-01-8	Phenanthrene	150	J	94.9	190	ug/Kg
120-12-7	Anthracene	95.4	U	95.4	190	ug/Kg
129-00-0	Pyrene	240		93.8	190	ug/Kg
56-55-3	Benzo(a)anthracene	140	J	91.2	190	ug/Kg
218-01-9	Chrysene	140	J	89.8	190	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	J	91.7	190	ug/Kg
50-32-8	Benzo(a)pyrene	130	J	110	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	90.5	U	90.5	190	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	83.1		18 - 107	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.4		20 - 109	82%	SPK: 100
1718-51-0	Terphenyl-d14	89.5		10 - 105	90%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	153000	6.869			
1146-65-2	Naphthalene-d8	580000	8.151			
15067-26-2	Acenaphthene-d10	312000	9.904			
1517-22-2	Phenanthrene-d10	554000	11.398			
1719-03-5	Chrysene-d12	282000	14.045			
1520-96-3	Perylene-d12	284000	15.545			

Raw Data: **BF140470.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder			Date Collected:	11/13/24
Project:	Webster School			Date Received:	11/14/24
Client Sample ID:	COMP-3			SDG No.:	P4852
Lab Sample ID:	P4852-03			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	88.4
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140470.D	1	11/15/24 09:30	11/19/24 13:47	PB164993

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140470.D
Acq On : 19 Nov 2024 13:47
Operator : RC/JU
Sample : P4852-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-3

Quant Time: Nov 19 14:16:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

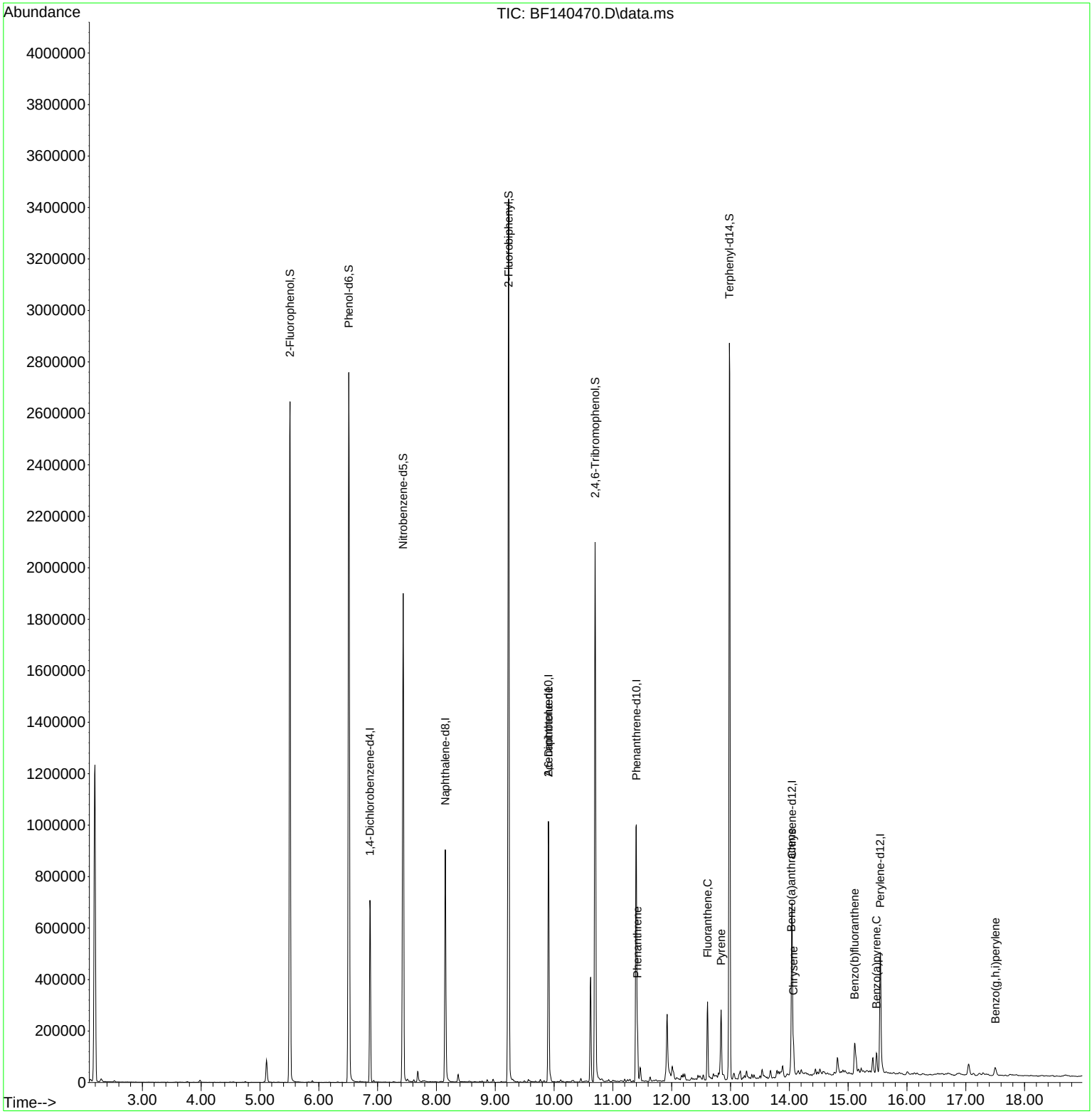
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	152696	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	579902	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	312197	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	553548	20.000	ng	0.00
76) Chrysene-d12	14.045	240	281611	20.000	ng	0.00
86) Perylene-d12	15.545	264	283940	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1036533	115.901	ng	0.02
7) Phenol-d6	6.510	99	1421601	117.326	ng	0.00
23) Nitrobenzene-d5	7.434	82	925139	83.121	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	368077	118.560	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1599580	82.365	ng	0.00
79) Terphenyl-d14	12.980	244	1452282	89.516	ng	0.00
Target Compounds						Qvalue
51) 2,6-Dinitrotoluene	9.904	165	39134	8.436	ng	# 22
71) Phenanthrene	11.416	178	101947	3.921	ng	100
75) Fluoranthene	12.610	202	170859	5.857	ng	99
78) Pyrene	12.839	202	153718	6.381	ng	99
81) Benzo(a)anthracene	14.033	228	67149	3.628	ng	98
83) Chrysene	14.069	228	64654	3.829	ng	97
88) Benzo(b)fluoranthene	15.110	252	76007m	4.092	ng	
90) Benzo(a)pyrene	15.480	252	48296	3.348	ng	97
92) Benzo(g,h,i)perylene	17.504	276	30408	2.052	ng	96

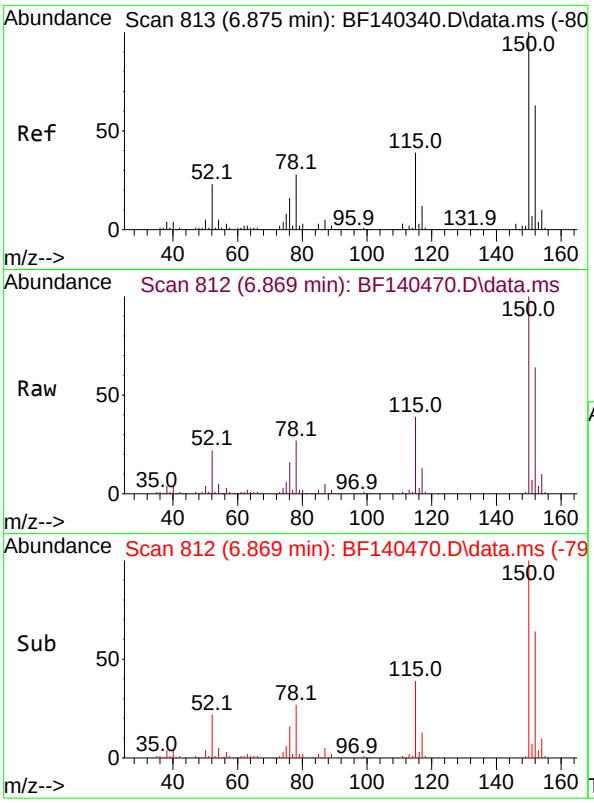
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140470.D
Acq On : 19 Nov 2024 13:47
Operator : RC/JU
Sample : P4852-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-3

Quant Time: Nov 19 14:16:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration



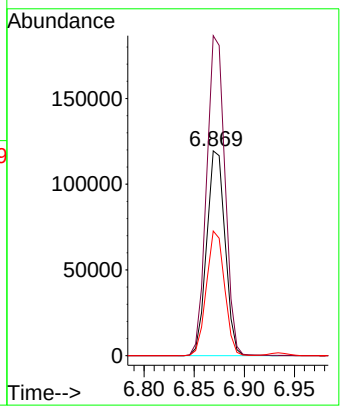


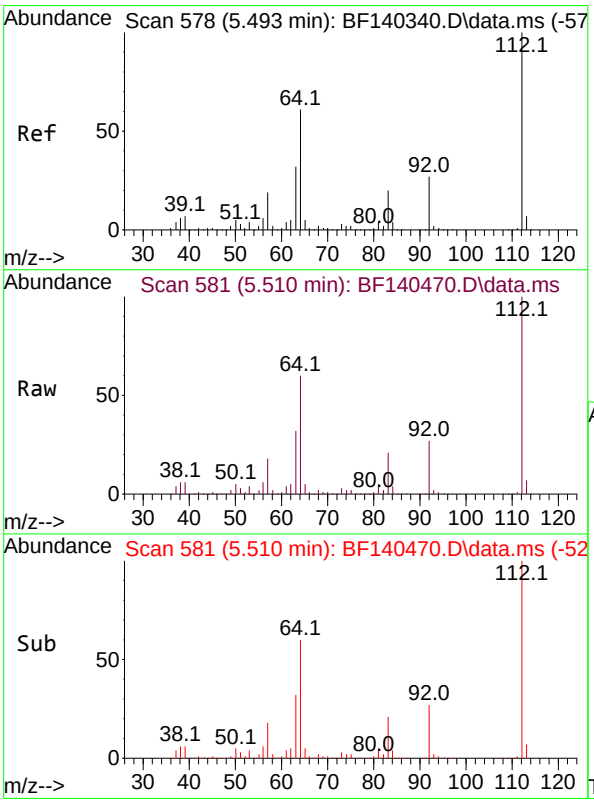
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

Instrument :
BNA_F
ClientSampleId :
COMP-3

Tgt Ion:152 Resp: 152696

Ion	Ratio	Lower	Upper
152	100		
150	156.2	127.4	191.0
115	60.9	47.4	71.2

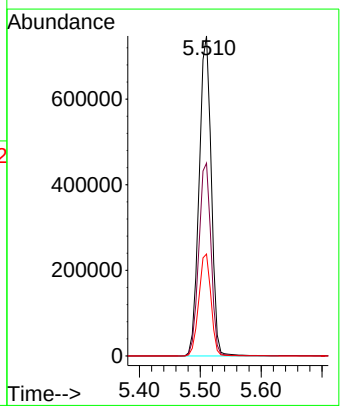


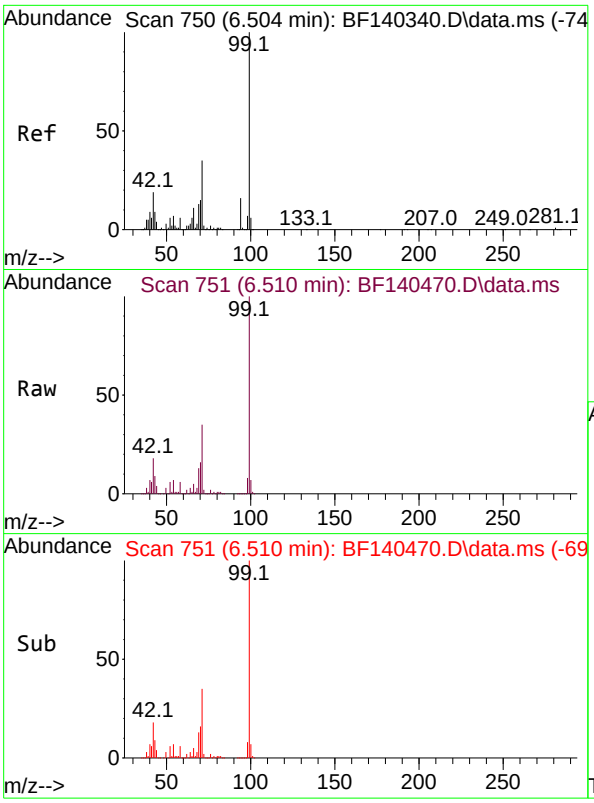


#5
2-Fluorophenol
Concen: 115.901 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.018 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

Tgt Ion:112 Resp: 1036533

Ion	Ratio	Lower	Upper
112	100		
64	60.3	49.2	73.8
63	31.8	25.6	38.4



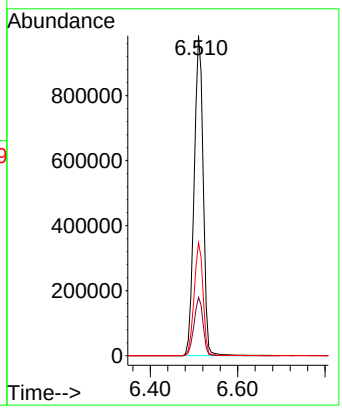


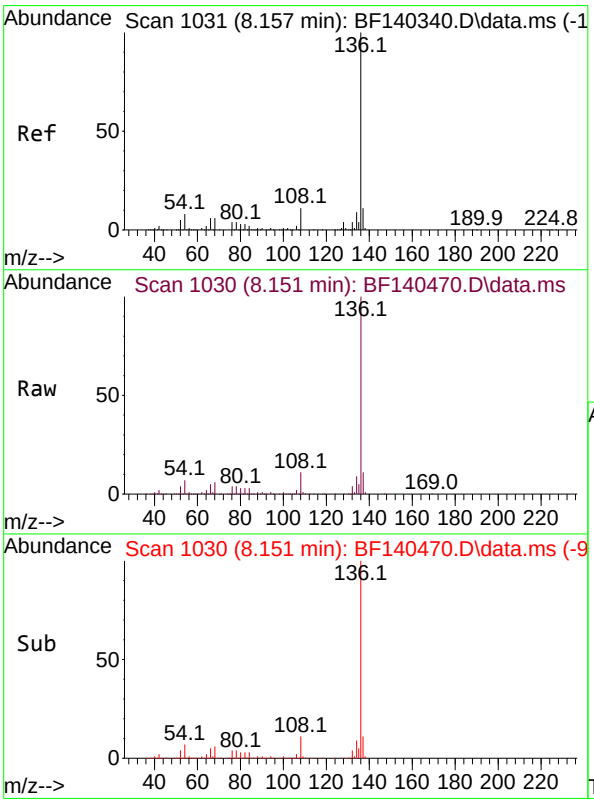
#7
Phenol-d6
Concen: 117.326 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

Instrument :
BNA_F
ClientSampleId :
COMP-3

Tgt Ion: 99 Resp: 1421601

Ion	Ratio	Lower	Upper
99	100		
42	18.3	15.1	22.7
71	35.3	27.9	41.9

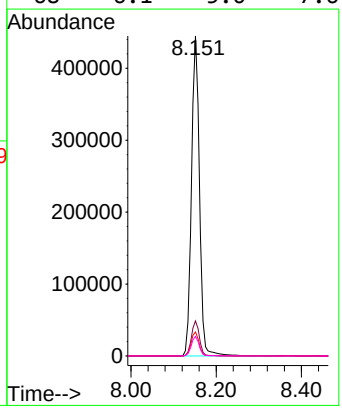


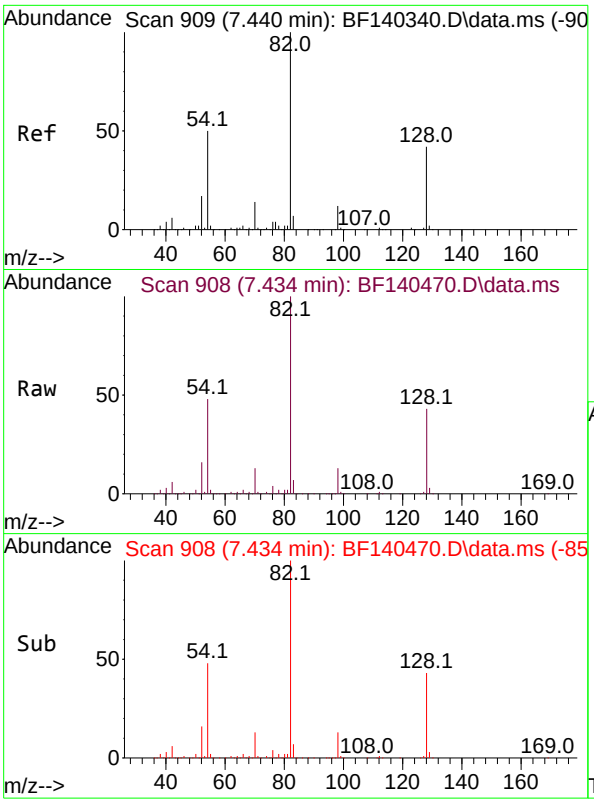


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

Tgt Ion:136 Resp: 579902

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	7.5	6.5	9.7
68	6.1	5.0	7.6



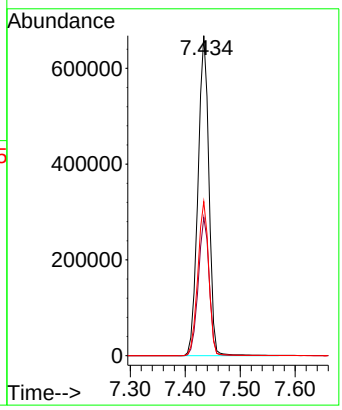


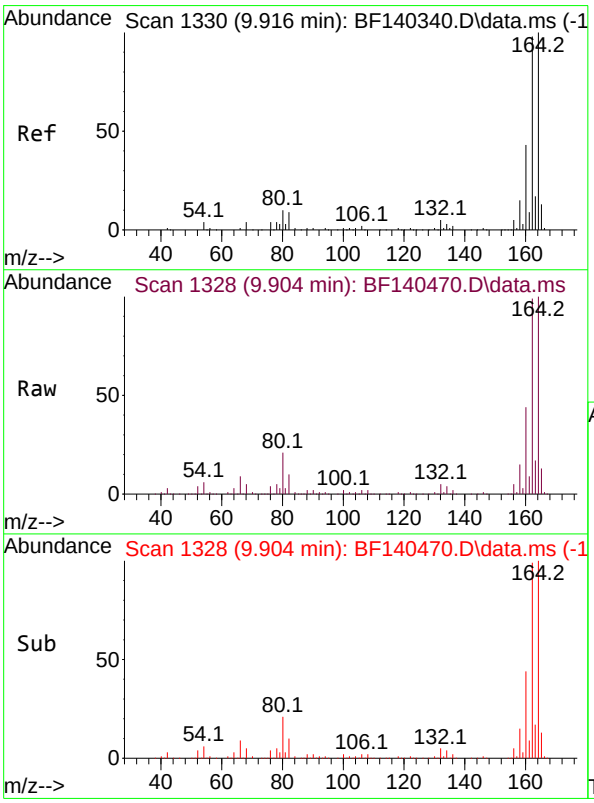
#23
Nitrobenzene-d5
Concen: 83.121 ng
RT: 7.434 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

Instrument :
BNA_F
ClientSampleId :
COMP-3

Tgt Ion: 82 Resp: 925139

Ion	Ratio	Lower	Upper
82	100		
128	43.2	33.3	49.9
54	48.1	39.8	59.8

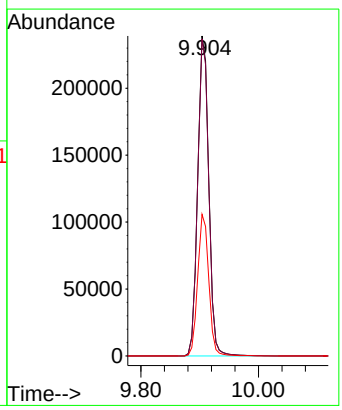


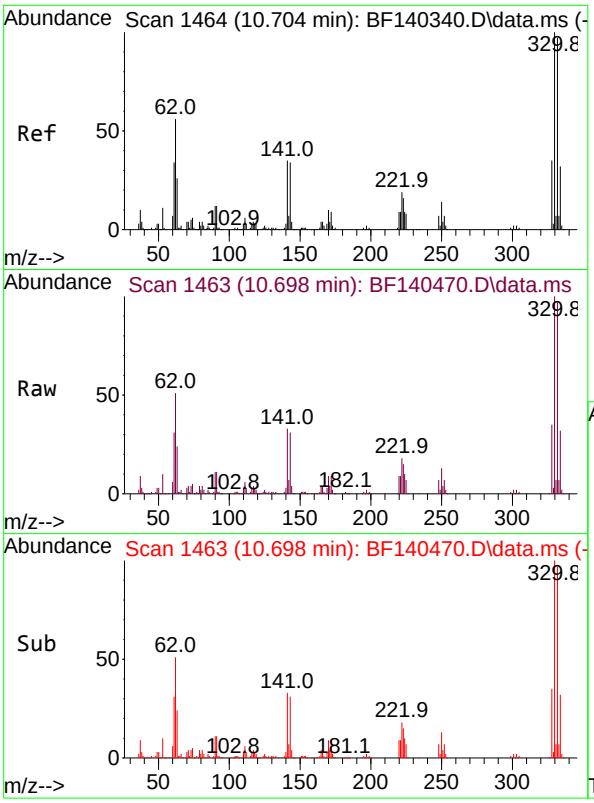


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

Tgt Ion:164 Resp: 312197

Ion	Ratio	Lower	Upper
164	100		
162	99.1	79.8	119.8
160	44.3	35.4	53.0



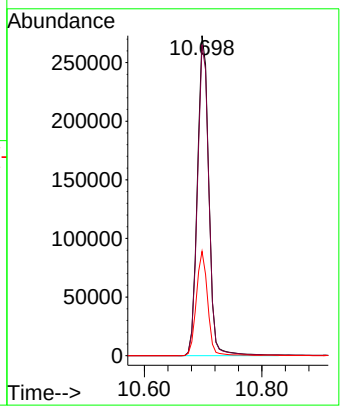


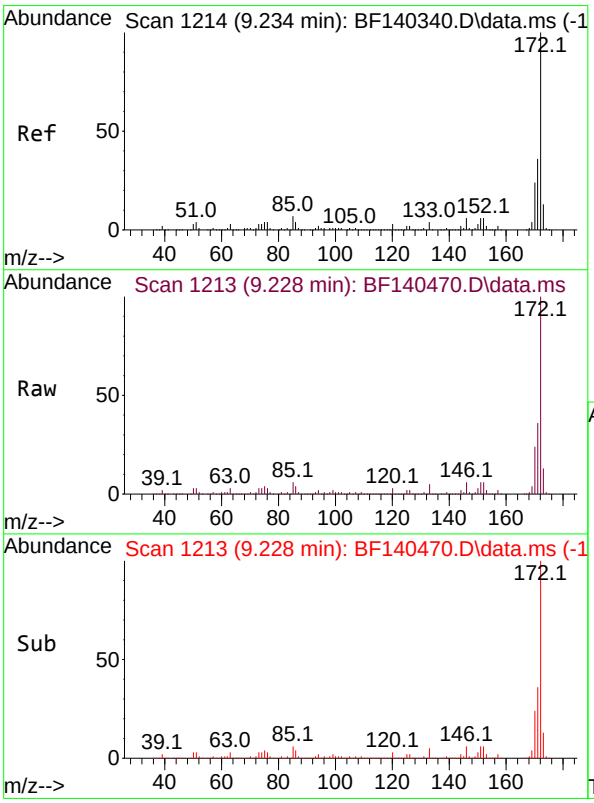
#42
2,4,6-Tribromophenol
Concen: 118.560 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

Instrument :
BNA_F
ClientSampleId :
COMP-3

Tgt Ion:330 Resp: 368077

Ion	Ratio	Lower	Upper
330	100		
332	97.6	75.9	113.9
141	32.3	26.9	40.3

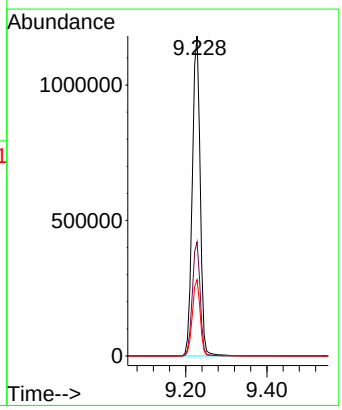


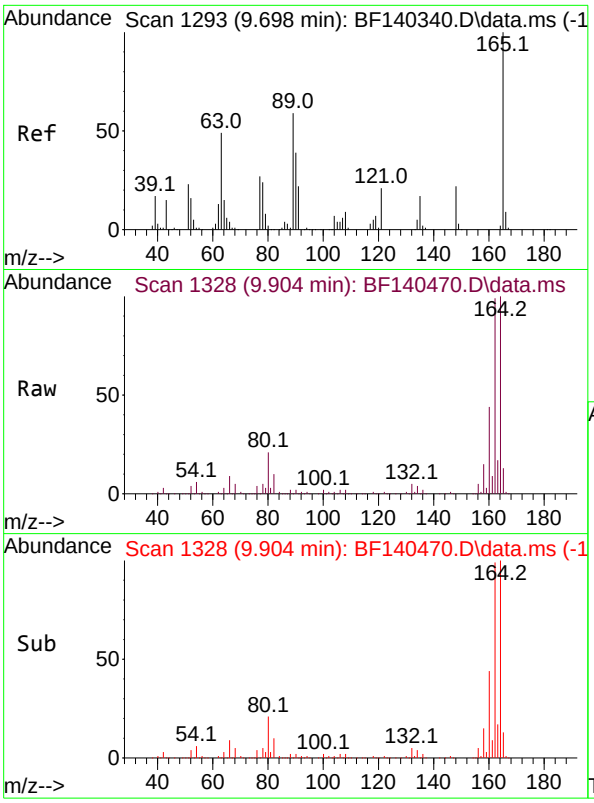


#45
2-Fluorobiphenyl
Concen: 82.365 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

Tgt Ion:172 Resp: 1599580

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.5	42.7
170	23.8	19.1	28.7



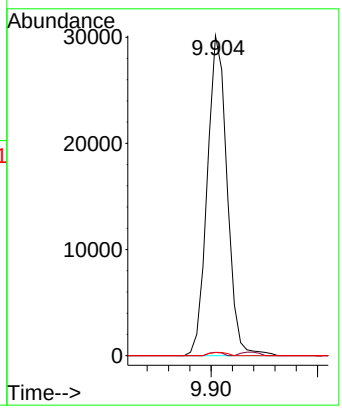


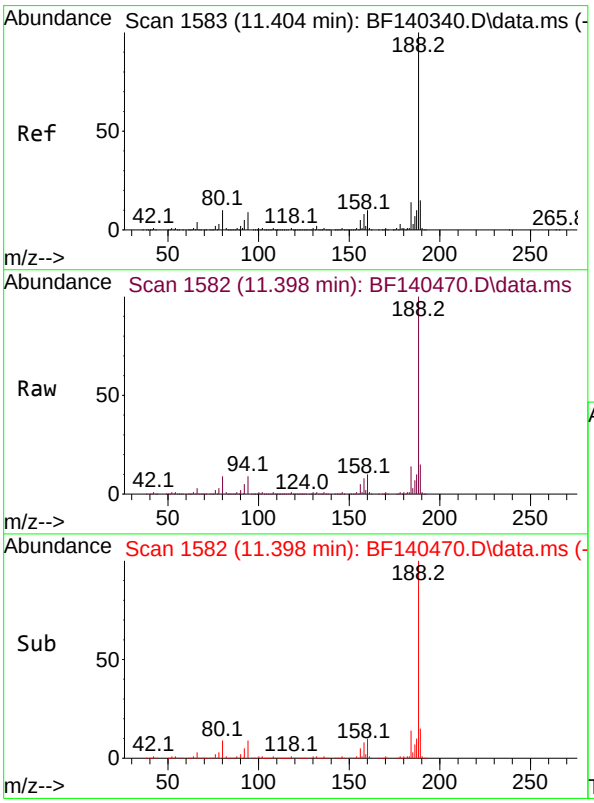
#51
2,6-Dinitrotoluene
Concen: 8.436 ng
RT: 9.904 min Scan# 1
Delta R.T. 0.206 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

Instrument :
BNA_F
ClientSampleId :
COMP-3

Tgt Ion:165 Resp: 39134

Ion	Ratio	Lower	Upper
165	100		
63	1.0	47.6	71.4#
89	1.1	48.1	72.1#

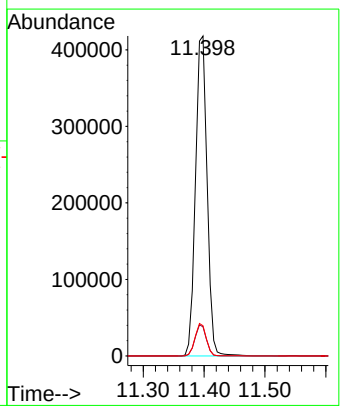


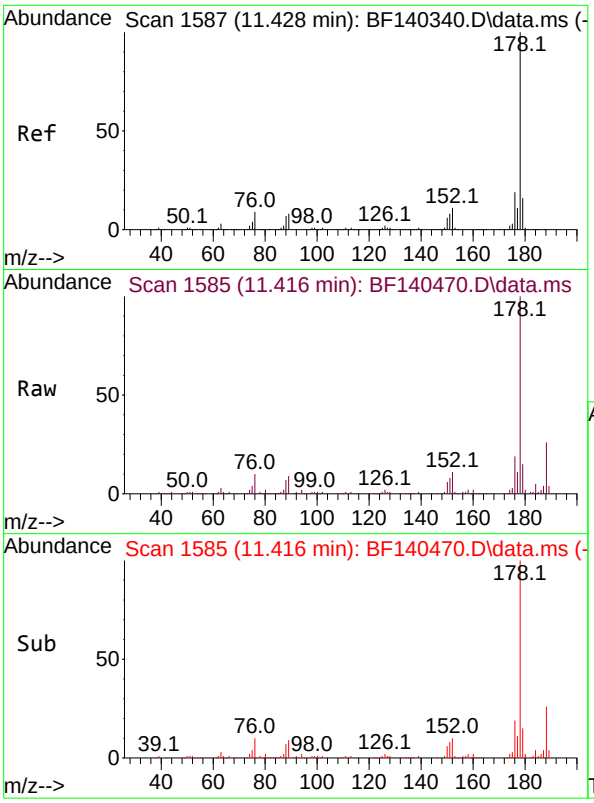


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

Tgt Ion:188 Resp: 553548

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.6	11.4
80	9.4	8.0	12.0



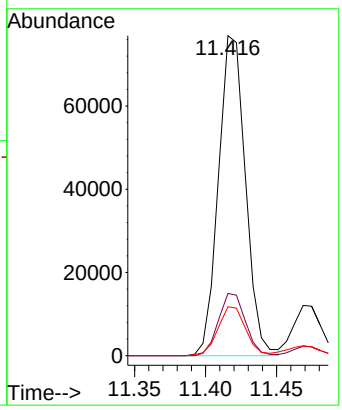


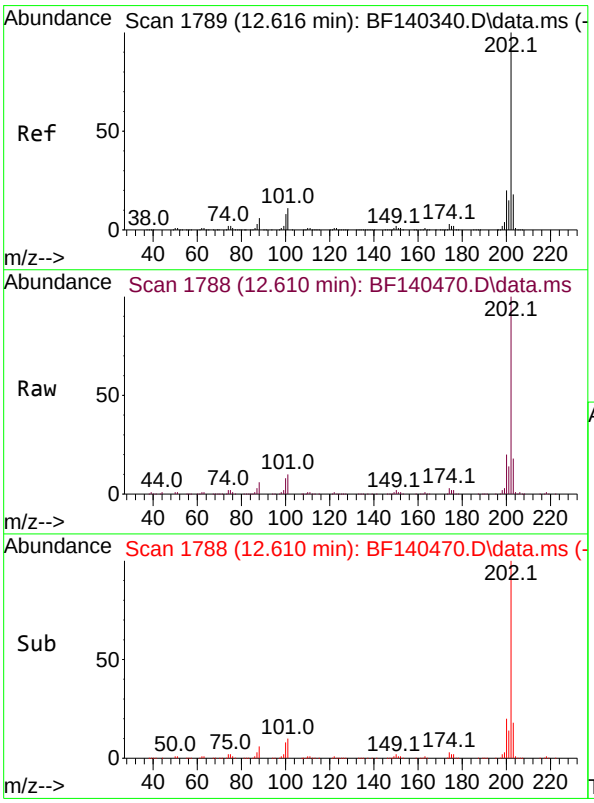
#71
Phenanthrene
Concen: 3.921 ng
RT: 11.416 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

Instrument :
BNA_F
ClientSampleId :
COMP-3

Tgt Ion:178 Resp: 101947

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	15.3	12.4	18.6

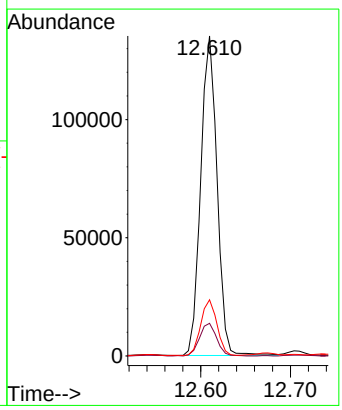


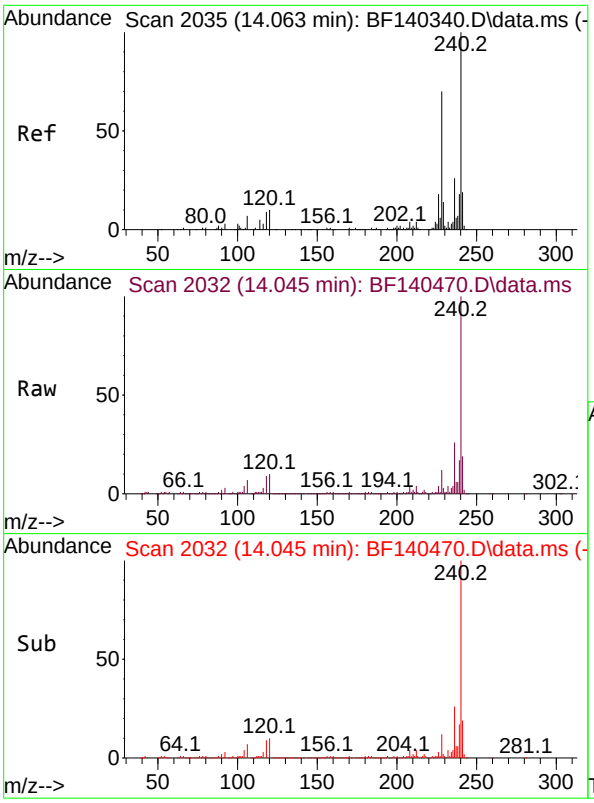


#75
Fluoranthene
Concen: 5.857 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

Tgt Ion:202 Resp: 170859

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	30.7
203	17.6	0.0	37.7



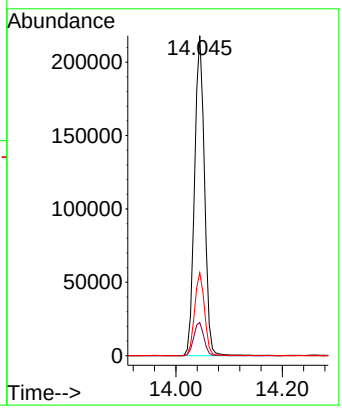


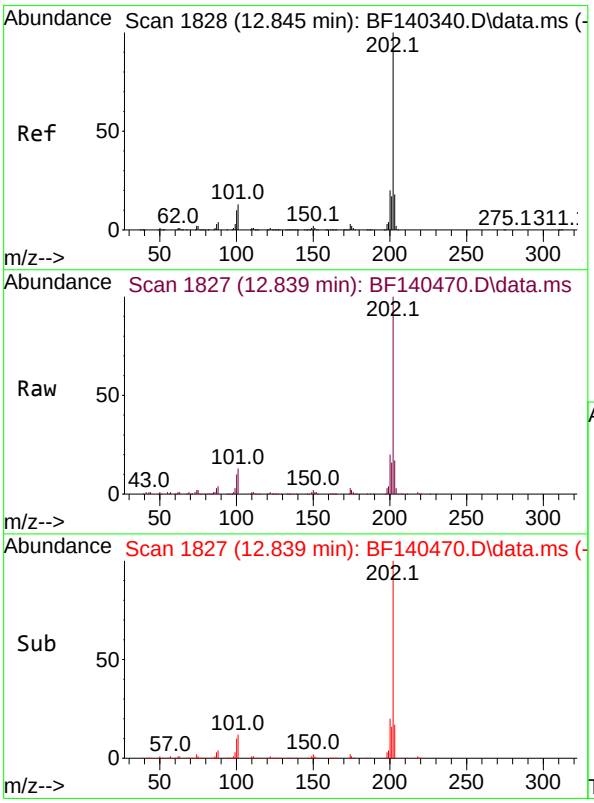
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

Instrument :
BNA_F
ClientSampleId :
COMP-3

Tgt Ion:240 Resp: 281611

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.8	13.2
236	25.9	20.9	31.3

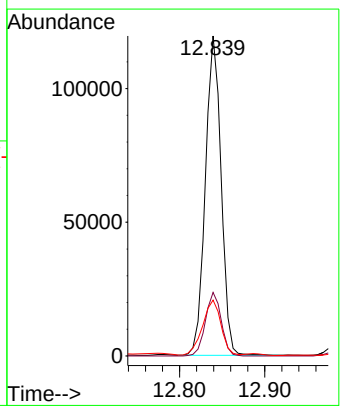


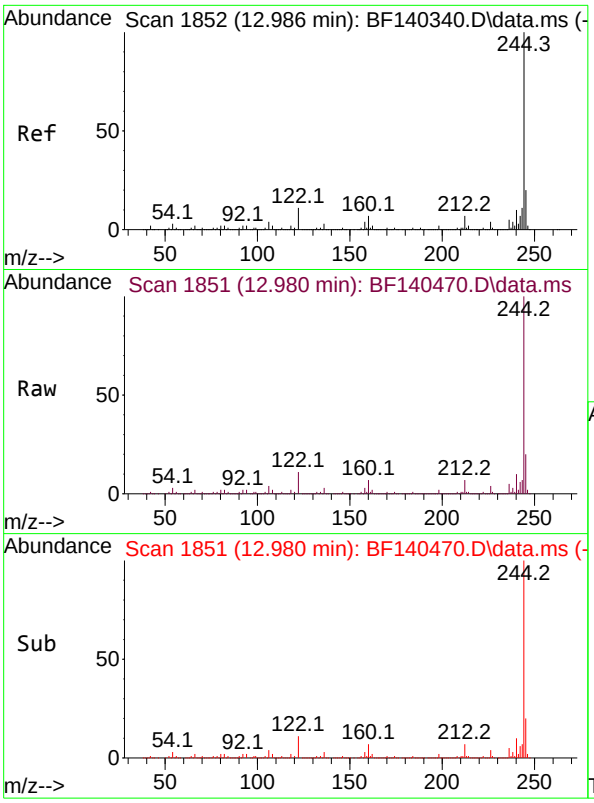


#78
Pyrene
Concen: 6.381 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

Tgt Ion:202 Resp: 153718

Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.2	24.2
203	17.4	14.2	21.4



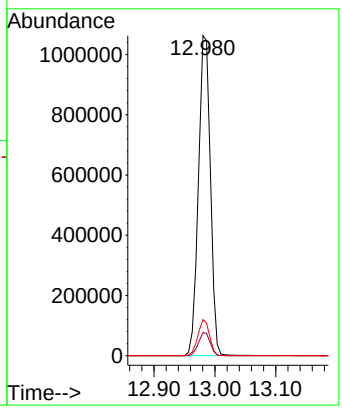


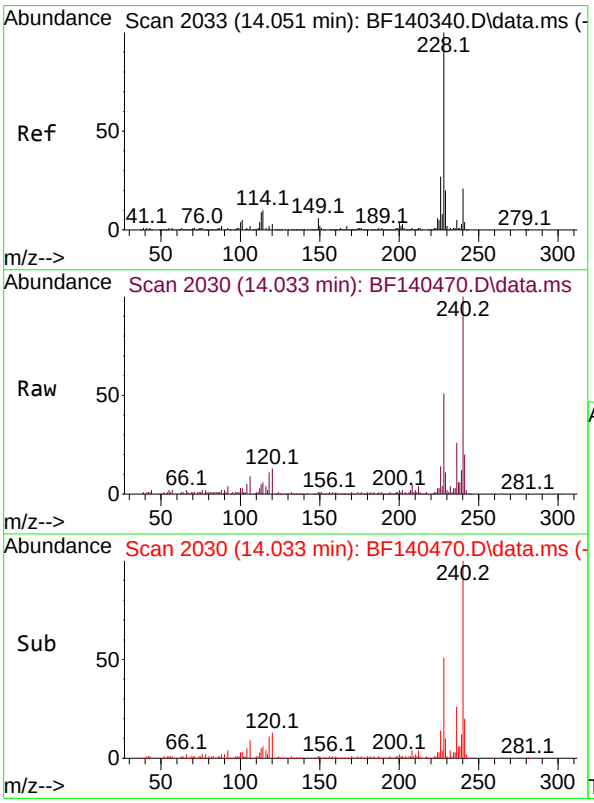
#79
Terphenyl-d14
Concen: 89.516 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

Instrument :
BNA_F
ClientSampleId :
COMP-3

Tgt Ion:244 Resp: 1452282

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	11.3	8.8	13.2

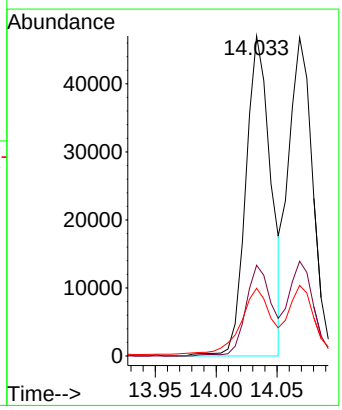


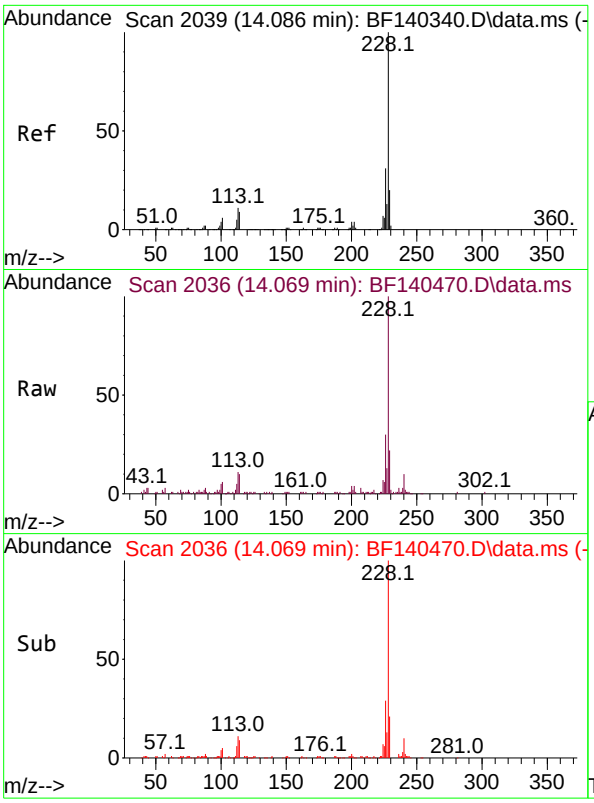


#81
Benzo(a)anthracene
Concen: 3.628 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

Tgt Ion:228 Resp: 67149

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.2	33.4
229	21.1	15.8	23.6



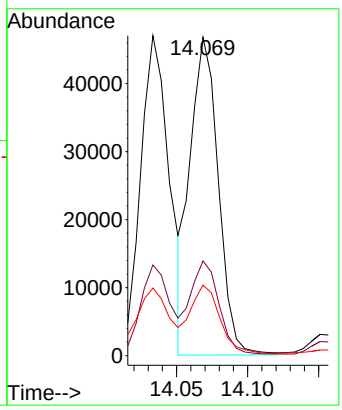


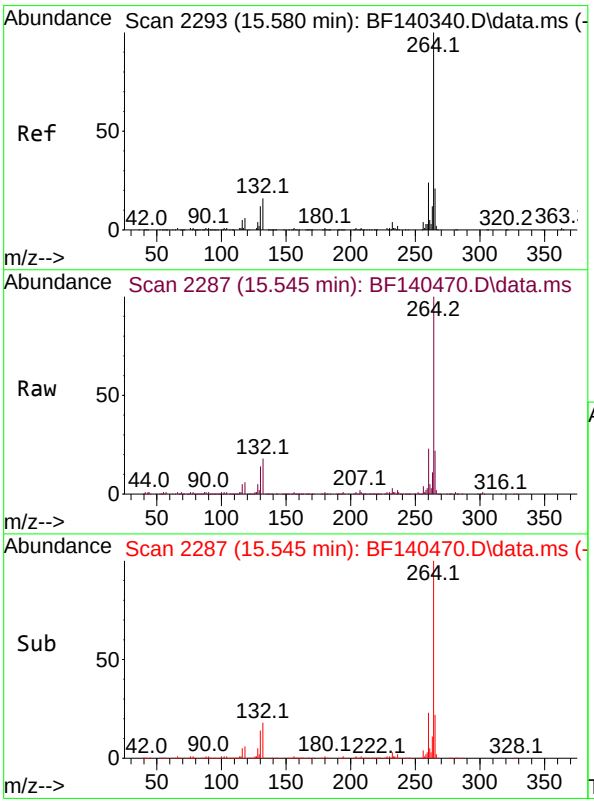
#83
Chrysene
Concen: 3.829 ng
RT: 14.069 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

Instrument :
BNA_F
ClientSampleId :
COMP-3

Tgt Ion:228 Resp: 64654

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.5	36.7
229	22.2	16.0	24.0

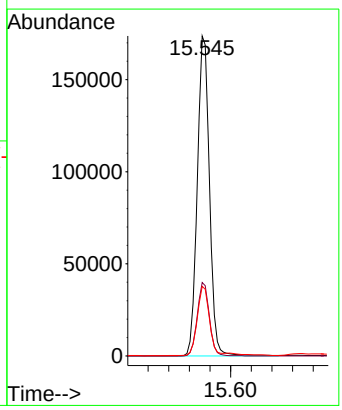


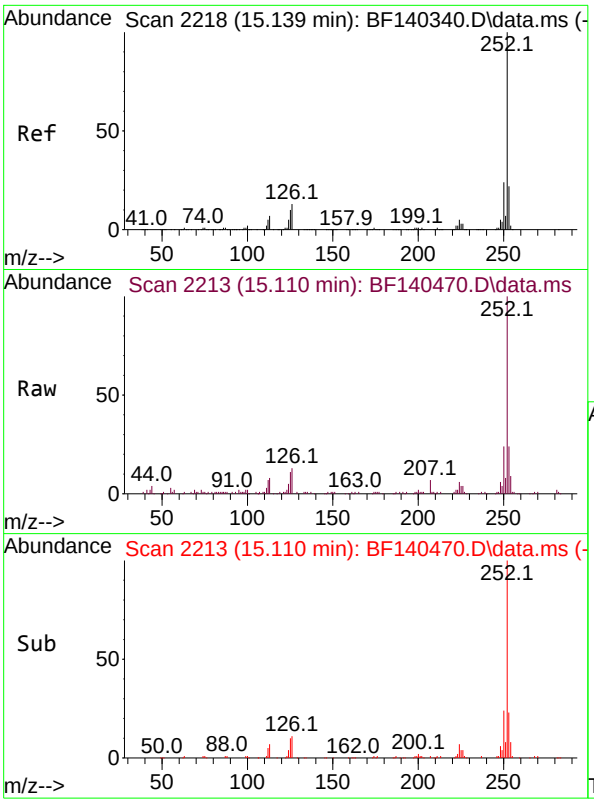


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2287
Delta R.T. -0.012 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

Tgt Ion:264 Resp: 283940

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.7	17.1	25.7



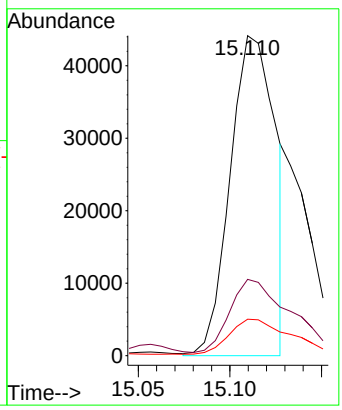


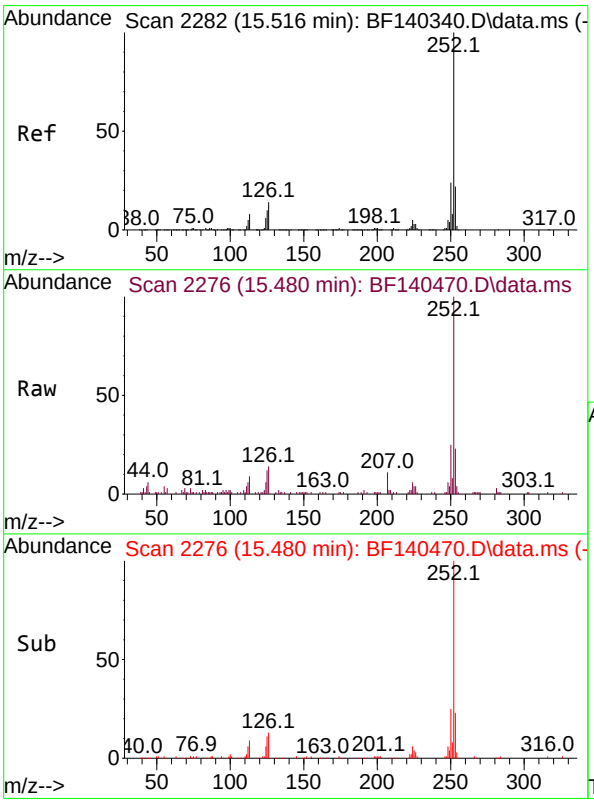
#88
Benzo(b)fluoranthene
Concen: 4.092 ng m
RT: 15.110 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

Instrument :
BNA_F
ClientSampleId :
COMP-3

Tgt Ion:252 Resp: 76007

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	11.4	8.0	12.0

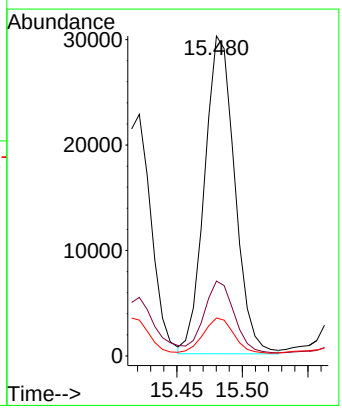


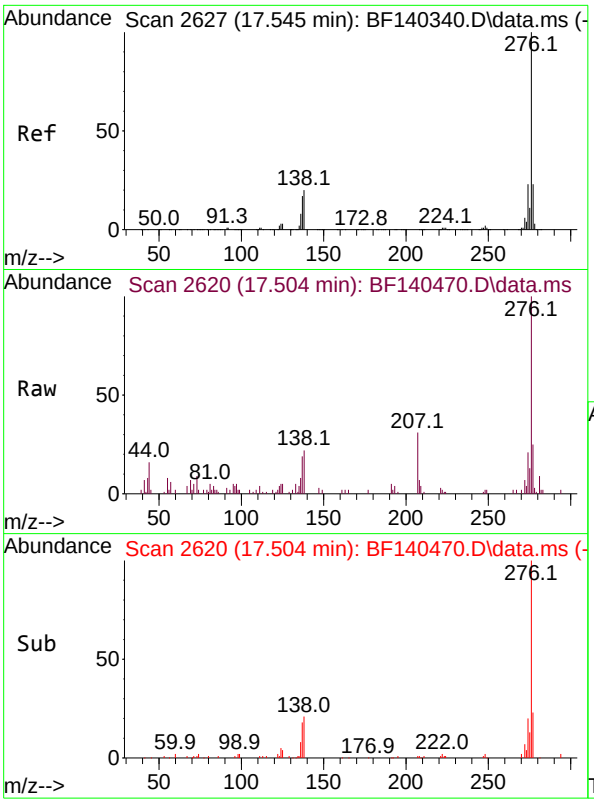


#90
Benzo(a)pyrene
Concen: 3.348 ng
RT: 15.480 min Scan# 2276
Delta R.T. -0.012 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

Tgt Ion:252 Resp: 48296

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	11.9	8.4	12.6



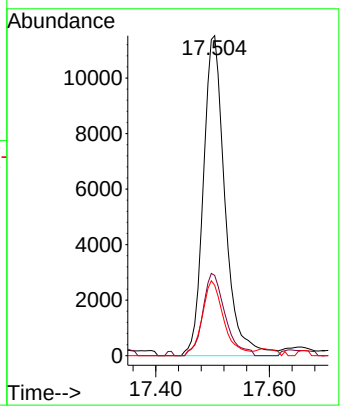


#92
Benzo(g,h,i)perylene
Concen: 2.052 ng
RT: 17.504 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF140470.D
Acq: 19 Nov 2024 13:47

Instrument :
BNA_F
ClientSampleId :
COMP-3

Tgt Ion:276 Resp: 30408

Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.6	28.0
138	22.0	16.0	24.0



CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG No.: P4852

Instrument ID: BNA_F Calibration Date(s): 11/13/2024 11/13/2024

Calibration Time(s): 09:01 12:48

LAB FILE ID: RRF2.5 = BF140332.D RRF005 = BF140333.D RRF010 = BF140334.D
RRF020 = BF140335.D RRF050 = BF140337.D RRF060 = BF140338.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF050	RRF060	RRF	% RSD
2-Fluorophenol		1.329	1.257	1.223	1.090	1.118	1.171	8.8
Phenol-d6		1.773	1.691	1.643	1.483	1.507	1.587	8.1
Nitrobenzene-d5		0.411	0.401	0.399	0.368	0.379	0.384	5.3
Isophorone		0.736	0.702	0.692	0.654	0.671	0.680	4.9
Naphthalene		1.160	1.105	1.064	0.950	0.955	1.015	9.6
2-Fluorobiphenyl		1.524	1.396	1.351	1.125	1.110	1.244	14.5
Fluorene		1.525	1.403	1.365	1.168	1.137	1.267	13.1
2,4,6-Tribromophenol		0.220	0.211	0.207	0.191	0.189	0.199	6.9
Phenanthrene		1.096	1.053	0.986	0.868	0.851	0.940	11.3
Anthracene		1.071	1.018	0.966	0.860	0.839	0.921	10.8
Pyrene		1.748	1.706	1.643	1.728	1.800	1.711	3.1
Terphenyl-d14		1.226	1.185	1.108	1.139	1.190	1.152	4.3
Benzo(a)anthracene		1.451	1.418	1.351	1.229	1.294	1.314	7.3
Chrysene		1.394	1.241	1.235	1.137	1.123	1.199	8.4
Benzo(b)fluoranthene		1.405	1.352	1.471	1.235	1.233	1.308	7.8
Benzo(a)pyrene		1.100	1.053	1.054	0.970	0.980	1.016	5.4
Benzo(g,h,i)perylene		0.941	0.963	0.954	1.122	1.146	1.044	8.5

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF111324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 13 14:40:06 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF140332.D 5 =BF140333.D 10 =BF140334.D 20 =BF140335.D 40 =BF140340.D 50 =BF140337.D 60 =BF140338.D 80 =BF1403
39.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.582	0.546	0.530	0.515	0.495	0.506	0.480	0.522	6.53
3)		Pyridine		1.430	1.343	1.323	1.316	1.189	1.237	1.147	1.283	7.61
4)		n-Nitrosodimet...		0.658	0.632	0.651	0.659	0.644	0.671	0.627	0.649	2.39
5)	S	2-Fluorophenol		1.329	1.257	1.223	1.150	1.090	1.118	1.032	1.171	8.84
6)		Aniline		1.587	1.527	1.495	1.451	1.267	1.270	1.066	1.381	13.42
7)	S	Phenol-d6		1.773	1.691	1.643	1.605	1.483	1.507	1.407	1.587	8.09
8)		2-Chlorophenol		1.397	1.349	1.332	1.263	1.176	1.184	1.106	1.258	8.49
9)		Benzaldehyde		1.101	1.087	1.017	0.891	0.828	0.783		0.951	14.32
10)	C	Phenol		1.799	1.793	1.743	1.724	1.582	1.597	1.478	1.674	7.31
11)		bis(2-Chloroet...		1.359	1.294	1.306	1.263	1.227	1.249	1.179	1.268	4.60
12)		1,3-Dichlorobe...		1.585	1.475	1.454	1.374	1.291	1.317	1.221	1.388	8.98
13)	C	1,4-Dichlorobe...		1.590	1.534	1.486	1.391	1.306	1.326	1.221	1.408	9.49
14)		1,2-Dichlorobe...		1.494	1.429	1.398	1.294	1.212	1.214	1.108	1.307	10.63
15)		Benzyl Alcohol		1.172	1.193	1.199	1.211	1.100	1.108	1.020	1.143	6.10
16)		2,2'-oxybis(1-...		1.906	1.826	1.815	1.816	1.666	1.684	1.549	1.752	7.01
17)		2-Methylphenol		1.092	1.062	1.072	1.064	0.998	1.016	0.942	1.035	5.07
18)		Hexachloroethane		0.562	0.543	0.550	0.514	0.500	0.506	0.468	0.520	6.30
19)	P	n-Nitroso-di-n...	1.032	1.029	1.003	0.986	0.982	0.883	0.905	0.848	0.959	7.30
20)		3+4-Methylphenols		1.436	1.427	1.359	1.351	1.200	1.198	1.091	1.294	10.21
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.532	0.508	0.481	0.450	0.434	0.441	0.411	0.465	9.35
23)	S	Nitrobenzene-d5		0.411	0.401	0.399	0.375	0.368	0.379	0.354	0.384	5.28
24)		Nitrobenzene		0.423	0.421	0.406	0.393	0.390	0.394	0.371	0.400	4.61
25)		Isophorone		0.736	0.702	0.692	0.674	0.654	0.671	0.634	0.680	4.87
26)	C	2-Nitrophenol		0.175	0.179	0.181	0.179	0.175	0.181	0.171	0.177	1.99
27)		2,4-Dimethylph...		0.238	0.236	0.232	0.223	0.221	0.227	0.214	0.227	3.86
28)		bis(2-Chloroet...		0.461	0.442	0.430	0.407	0.398	0.404	0.379	0.417	6.80
29)	C	2,4-Dichloroph...		0.307	0.296	0.287	0.275	0.272	0.272	0.255	0.281	6.20
30)		1,2,4-Trichlor...		0.346	0.331	0.325	0.302	0.298	0.301	0.283	0.312	7.15
31)		Naphthalene		1.160	1.105	1.064	0.982	0.950	0.955	0.886	1.015	9.60
32)		Benzoic acid		0.162	0.178	0.180	0.212	0.215	0.226	0.226	0.200	13.01
33)		4-Chloroaniline		0.390	0.386	0.370	0.340	0.333	0.340	0.311	0.353	8.36
34)	C	Hexachlorobuta...		0.220	0.214	0.210	0.193	0.188	0.190	0.178	0.199	7.73
35)		Caprolactam		0.098	0.093	0.094	0.092	0.091	0.095	0.089	0.093	3.27
36)	C	4-Chloro-3-met...		0.331	0.327	0.320	0.309	0.299	0.304	0.287	0.311	5.14
37)		2-Methylnaphth...		0.751	0.706	0.683	0.632	0.610	0.607	0.565	0.651	10.01
38)		1-Methylnaphth...		0.734	0.696	0.673	0.625	0.589	0.592	0.550	0.637	10.39

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF111324.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.646	0.585	0.583	0.531	0.524	0.517	0.485	0.553	9.85
41)	P	Hexachlorocycl...		0.111	0.143	0.139	0.156	0.159	0.145	0.142	12.04
42)	S	2,4,6-Tribromo...	0.220	0.211	0.207	0.193	0.191	0.189	0.182	0.199	6.88
43)	C	2,4,6-Trichlor...	0.380	0.374	0.374	0.360	0.360	0.352	0.341	0.363	3.87
44)		2,4,5-Trichlor...	0.421	0.417	0.412	0.389	0.387	0.390	0.361	0.397	5.41
45)	S	2-Fluorobiphenyl	1.524	1.396	1.351	1.172	1.125	1.110	1.031	1.244	14.50
46)		1,1'-Biphenyl	1.690	1.571	1.565	1.404	1.368	1.343	1.244	1.455	10.80
47)		2-Chloronaphth...	1.279	1.182	1.149	1.065	1.064	1.049	0.971	1.108	9.20
48)		2-Nitroaniline	0.378	0.365	0.384	0.364	0.365	0.366	0.351	0.368	2.91
49)		Acenaphthylene	1.940	1.802	1.786	1.636	1.582	1.552	1.441	1.677	10.29
50)		Dimethylphthalate	1.464	1.358	1.371	1.261	1.246	1.244	1.181	1.304	7.47
51)		2,6-Dinitrotol...	0.317	0.303	0.313	0.297	0.291	0.289	0.268	0.297	5.57
52)	C	Acenaphthene	1.259	1.204	1.192	1.096	1.091	1.079	1.006	1.133	7.78
53)		3-Nitroaniline	0.333	0.327	0.335	0.310	0.307	0.298	0.275	0.312	6.92
54)	P	2,4-Dinitrophenol		0.109	0.148	0.147	0.178	0.170	0.168	0.153	16.27
55)		Dibenzofuran	1.904	1.736	1.715	1.558	1.502	1.466	1.344	1.603	11.92
56)	P	4-Nitrophenol	0.199	0.217	0.239	0.236	0.240	0.237	0.225	0.228	6.67
57)		2,4-Dinitrotol...	0.414	0.400	0.417	0.387	0.387	0.382	0.351	0.391	5.77
58)		Fluorene	1.525	1.403	1.365	1.202	1.168	1.137	1.066	1.267	13.14
59)		2,3,4,6-Tetrac...	0.322	0.328	0.326	0.318	0.308	0.302	0.288	0.313	4.61
60)		Diethylphthalate	1.525	1.417	1.398	1.287	1.272	1.246	1.185	1.333	8.85
61)		4-Chlorophenyl...	0.739	0.688	0.669	0.604	0.583	0.567	0.528	0.625	12.01
62)		4-Nitroaniline	0.335	0.325	0.328	0.319	0.316	0.313	0.297	0.319	3.86
63)		Azobenzene	1.498	1.391	1.380	1.293	1.251	1.244	1.163	1.317	8.55
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.080	0.098	0.113	0.109	0.117	0.120	0.116	0.108	13.00
66)	c	n-Nitrosodiphe...	0.651	0.630	0.600	0.559	0.541	0.541	0.522	0.578	8.57
67)		4-Bromophenyl-...	0.227	0.210	0.209	0.194	0.191	0.188	0.180	0.200	8.14
68)		Hexachlorobenzene	0.251	0.242	0.232	0.218	0.209	0.215	0.208	0.225	7.54
69)		Atrazine	0.191	0.183	0.135	0.145	0.155	0.205	0.209	0.175	17.03
70)	C	Pentachlorophenol	0.097	0.108	0.124	0.127	0.131	0.130	0.130	0.121	10.87
71)		Phenanthrene	1.096	1.053	0.986	0.903	0.868	0.851	0.820	0.940	11.33
72)		Anthracene	1.071	1.018	0.966	0.889	0.860	0.839	0.803	0.921	10.81
73)		Carbazole	1.053	1.009	0.963	0.876	0.846	0.834	0.783	0.909	11.02
74)		Di-n-butylphth...	1.214	1.177	1.150	1.074	1.036	1.023	0.964	1.091	8.37
75)	C	Fluoranthene	1.256	1.201	1.141	1.018	0.962	0.933	0.867	1.054	13.92
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.634	0.684	0.653	0.742	0.953	0.939	0.768	18.64
78)		Pyrene	1.748	1.706	1.643	1.679	1.728	1.800	1.672	1.711	3.08
79)	S	Terphenyl-d14	1.226	1.185	1.108	1.123	1.139	1.190	1.093	1.152	4.26
80)		Butylbenzylpht...	0.640	0.638	0.654	0.690	0.670	0.681	0.628	0.657	3.56
81)		Benzo(a)anthra...	1.451	1.418	1.351	1.263	1.229	1.294	1.195	1.314	7.31
82)		3,3'-Dichlorob...	0.438	0.431	0.433	0.402	0.406	0.416	0.399	0.418	3.79
83)		Chrysene	1.394	1.241	1.235	1.168	1.137	1.123	1.099	1.199	8.44
84)		Bis(2-ethylhex...	0.886	0.890	0.897	0.927	0.858	0.869	0.813	0.877	4.07
85)	c	Di-n-octyl pht...	1.231	1.217	1.270	1.290	1.187	1.241	1.212	1.235	2.86

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF111324.M

86)	I	Perylene-d12	----------ISTD----------								
87)		Indeno(1,2,3-c...	1.116	1.150	1.138	1.258	1.316	1.354	1.317	1.235	8.02
88)		Benzo(b)fluora...	1.405	1.352	1.471	1.263	1.235	1.233	1.199	1.308	7.82
89)		Benzo(k)fluora...	1.286	1.241	1.120	1.060	0.952	0.935	0.888	1.069	14.47
90)	C	Benzo(a)pyrene	1.100	1.053	1.054	1.005	0.970	0.980	0.948	1.016	5.40
91)		Dibenzo(a,h)an...	0.941	0.952	0.944	1.039	1.074	1.121	1.077	1.021	7.30
92)		Benzo(g,h,i)pe...	0.941	0.963	0.954	1.063	1.122	1.146	1.120	1.044	8.55

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140332.D
Acq On : 13 Nov 2024 09:01
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 13 14:21:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	147206	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	569357	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	324094	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	631650	20.000	ng	0.00
76) Chrysene-d12	14.057	240	473843	20.000	ng	0.00
86) Perylene-d12	15.574	264	387360	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.275	70	18995	2.692	ng	97

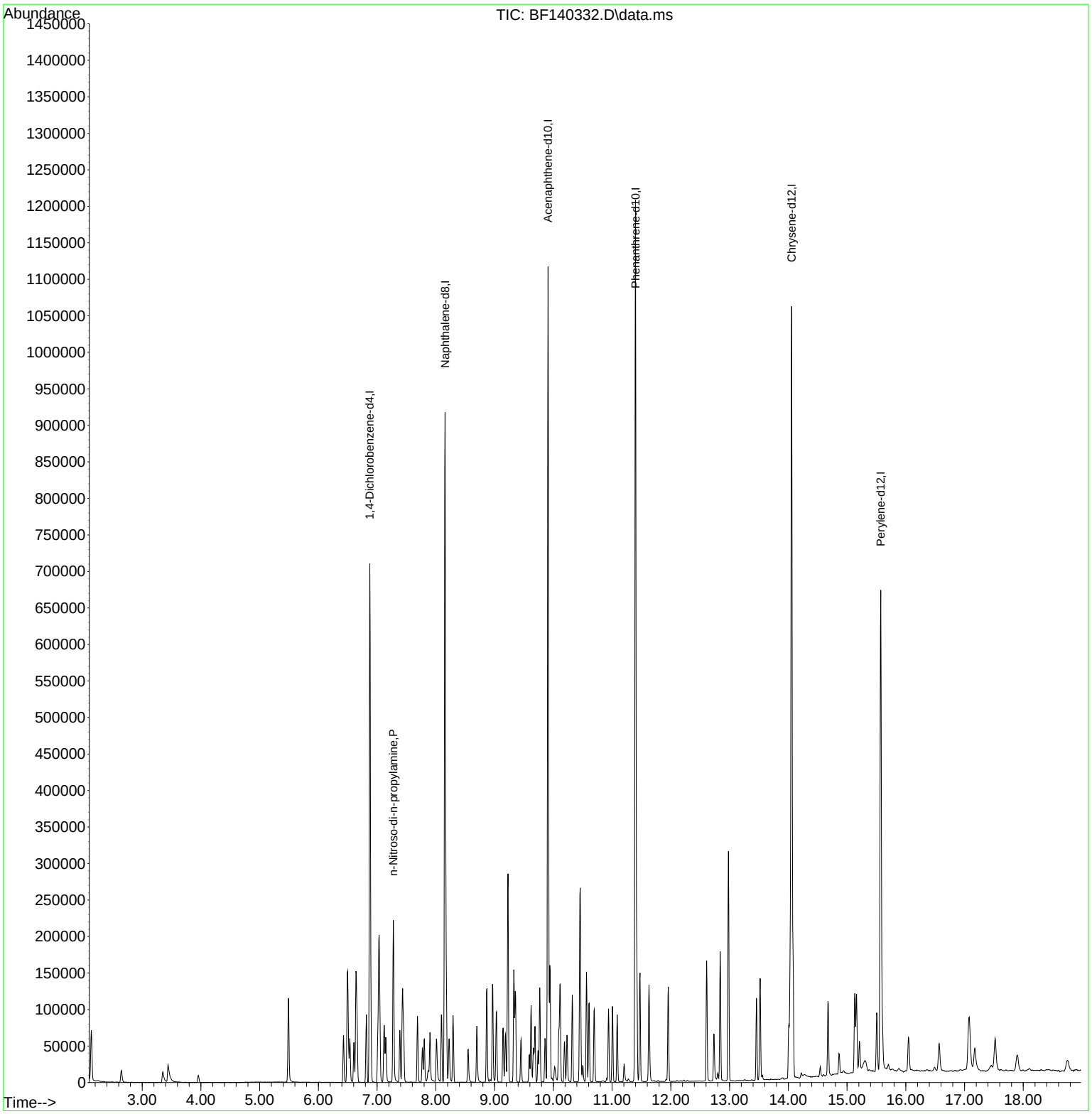
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140332.D
Acq On : 13 Nov 2024 09:01
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 13 14:21:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140333.D
Acq On : 13 Nov 2024 09:27
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 13 14:22:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Yogesh Patel
11/14/2024
Supervised By :mohammad ahmed
11/14/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	147440	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	561082	20.000	ng		0.00
39) Acenaphthene-d10	9.910	164	317345	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	615904	20.000	ng		0.00
76) Chrysene-d12	14.051	240	462864	20.000	ng		0.00
86) Perylene-d12	15.563	264	372118	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	98004	11.349	ng		0.00
7) Phenol-d6	6.493	99	130723	11.173	ng		-0.01
23) Nitrobenzene-d5	7.434	82	115292	10.706	ng		0.00
42) 2,4,6-Tribromophenol	10.698	330	34890	11.056	ng		0.00
45) 2-Fluorobiphenyl	9.228	172	241751	12.246	ng		0.00
79) Terphenyl-d14	12.980	244	283824	10.644	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.640	88	21442	5.571	ng		95
3) Pyridine	3.422	79	52697	5.569	ng		98
4) n-Nitrosodimethylamine	3.346	42	24263	5.074	ng	#	97
6) Aniline	6.534	93	58498	5.748	ng		98
8) 2-Chlorophenol	6.657	128	51502	5.552	ng		99
9) Benzaldehyde	6.428	77	40600	5.790	ng		100
10) Phenol	6.504	94	66303	5.374	ng		99
11) bis(2-Chloroethyl)ether	6.604	93	50099	5.359	ng		97
12) 1,3-Dichlorobenzene	6.816	146	58435	5.709	ng		99
13) 1,4-Dichlorobenzene	6.893	146	58594	5.646	ng		99
14) 1,2-Dichlorobenzene	7.046	146	55054	5.714	ng		100
15) Benzyl Alcohol	7.010	79	43212	5.126	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.146	45	70257	5.441	ng		100
17) 2-Methylphenol	7.116	107	40243	5.274	ng		97
18) Hexachloroethane	7.387	117	20701	5.396	ng		97
19) n-Nitroso-di-n-propyla...	7.275	70	37919	5.366	ng		97
20) 3+4-Methylphenols	7.275	107	52942	5.548	ng	#	82
22) Acetophenone	7.281	105	74642	5.720	ng		95
24) Nitrobenzene	7.451	77	59394	5.297	ng		99
25) Isophorone	7.687	82	103224	5.409	ng		99
26) 2-Nitrophenol	7.769	139	24576	4.939	ng		99
27) 2,4-Dimethylphenol	7.804	122	33358	5.237	ng		97
28) bis(2-Chloroethoxy)met...	7.898	93	64672	5.526	ng		100
29) 2,4-Dichlorophenol	8.010	162	43077	5.472	ng		98
30) 1,2,4-Trichlorobenzene	8.098	180	48599	5.545	ng		99
31) Naphthalene	8.175	128	162710	5.717	ng		99
32) Benzoic acid	7.869	122	22671m	4.051	ng		
33) 4-Chloroaniline	8.222	127	54728	5.529	ng		99
34) Hexachlorobutadiene	8.293	225	30821	5.519	ng		99
35) Caprolactam	8.551	113	13807	5.217	ng		98
36) 4-Chloro-3-methylphenol	8.698	107	46450	5.324	ng		97
37) 2-Methylnaphthalene	8.869	142	105353	5.773	ng		97
38) 1-Methylnaphthalene	8.963	142	102975	5.762	ng		100
40) 1,2,4,5-Tetrachloroben...	9.034	216	51260	5.841	ng		98
43) 2,4,6-Trichlorophenol	9.145	196	30173	5.239	ng		98
44) 2,4,5-Trichlorophenol	9.181	196	33434	5.310	ng		96

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140333.D
Acq On : 13 Nov 2024 09:27
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Yogesh Patel
11/14/2024
Supervised By :mohammad ahmed
11/14/2024

Quant Time: Nov 13 14:22:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.328	154	134098	5.808	ng	98
47) 2-Chloronaphthalene	9.351	162	101447	5.768	ng	100
48) 2-Nitroaniline	9.451	65	29995	5.143	ng	100
49) Acenaphthylene	9.769	152	153886	5.783	ng	99
50) Dimethylphthalate	9.622	163	116132	5.614	ng	99
51) 2,6-Dinitrotoluene	9.687	165	25188	5.341	ng	98
52) Acenaphthene	9.939	154	99899	5.559	ng	98
53) 3-Nitroaniline	9.857	138	26407	5.332	ng	94
55) Dibenzofuran	10.116	168	151058	5.937	ng	97
56) 4-Nitrophenol	10.016	139	15801	4.374	ng	98
57) 2,4-Dinitrotoluene	10.092	165	32877	5.297	ng	98
58) Fluorene	10.457	166	121014	6.021	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.234	232	25576	5.149	ng	99
60) Diethylphthalate	10.322	149	120988	5.720	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	58593	5.905	ng	97
62) 4-Nitroaniline	10.463	138	26578	5.249	ng	96
63) Azobenzene	10.610	77	118816	5.685	ng	99
65) 4,6-Dinitro-2-methylph...	10.504	198	12385	3.738	ng	96
66) n-Nitrosodiphenylamine	10.563	169	100287	5.636	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	34999	5.685	ng	96
68) Hexachlorobenzene	11.004	284	38627	5.576	ng	98
69) Atrazine	11.086	200	29460	5.472	ng	97
70) Pentachlorophenol	11.204	266	14987	4.016	ng	97
71) Phenanthrene	11.422	178	168742	5.832	ng	99
72) Anthracene	11.475	178	164923	5.816	ng	98
73) Carbazole	11.628	167	162080	5.789	ng	99
74) Di-n-butylphthalate	11.957	149	186931	5.563	ng	100
75) Fluoranthene	12.610	202	193346	5.956	ng	99
78) Pyrene	12.839	202	202260	5.109	ng	99
80) Butylbenzylphthalate	13.457	149	74075	4.870	ng	96
81) Benzo(a)anthracene	14.039	228	167855	5.518	ng	98
82) 3,3'-Dichlorobenzidine	14.004	252	50636	5.237	ng	98
83) Chrysene	14.074	228	161255	5.810	ng	98
84) Bis(2-ethylhexyl)phtha...	14.027	149	102534	5.051	ng	99
85) Di-n-octyl phthalate	14.663	149	142493	4.984	ng	100
87) Indeno(1,2,3-cd)pyrene	17.057	276	103830	4.517	ng	98
88) Benzo(b)fluoranthene	15.121	252	130731	5.371	ng	99
89) Benzo(k)fluoranthene	15.145	252	119602	6.014	ng	99
90) Benzo(a)pyrene	15.492	252	102364	5.415	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	87528	4.607	ng	99
92) Benzo(g,h,i)perylene	17.504	276	87547	4.507	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140333.D
Acq On : 13 Nov 2024 09:27
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

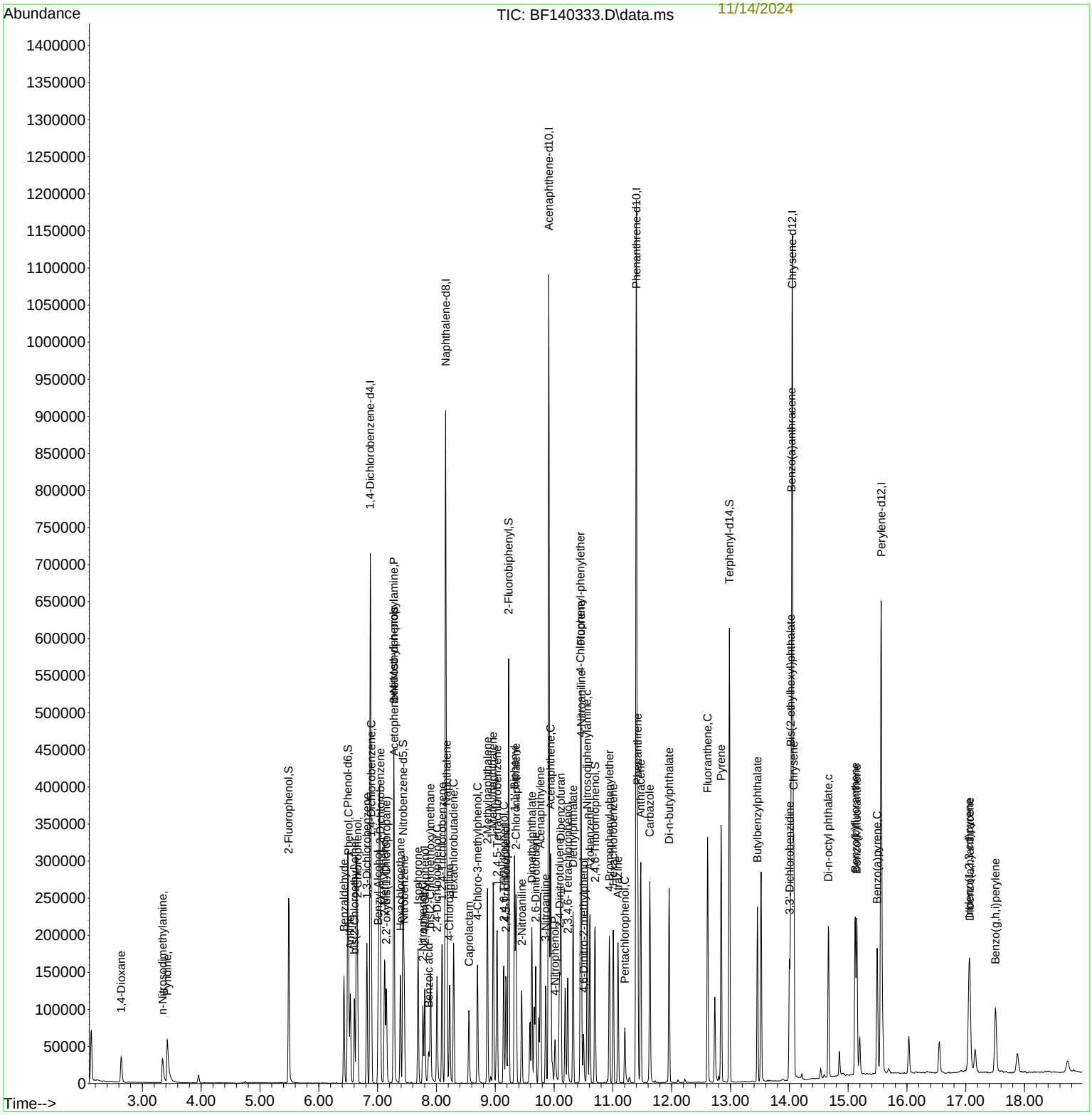
Quant Time: Nov 13 14:22:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel
11/14/2024

Supervised By :mohammad ahmed
11/14/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140334.D
Acq On : 13 Nov 2024 09:53
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 13 14:23:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	151757	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	576727	20.000	ng		0.00
39) Acenaphthene-d10	9.910	164	332343	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	625922	20.000	ng		0.00
76) Chrysene-d12	14.051	240	456049	20.000	ng		0.00
86) Perylene-d12	15.562	264	358045	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	190834	21.470	ng		0.00
7) Phenol-d6	6.492	99	256677	21.315	ng		-0.01
23) Nitrobenzene-d5	7.434	82	231031	20.872	ng		0.00
42) 2,4,6-Tribromophenol	10.698	330	70040	21.193	ng		0.00
45) 2-Fluorobiphenyl	9.228	172	463950	22.441	ng		0.00
79) Terphenyl-d14	12.980	244	540367	20.567	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.640	88	41430	10.458	ng		98
3) Pyridine	3.416	79	101886	10.462	ng		100
4) n-Nitrosodimethylamine	3.346	42	47921	9.736	ng		96
6) Aniline	6.534	93	115851	11.059	ng		99
8) 2-Chlorophenol	6.657	128	102376	10.723	ng		100
9) Benzaldehyde	6.428	77	82498	11.431	ng		99
10) Phenol	6.510	94	136055	10.713	ng		96
11) bis(2-Chloroethyl)ether	6.604	93	98194	10.205	ng		97
12) 1,3-Dichlorobenzene	6.816	146	111939	10.626	ng		99
13) 1,4-Dichlorobenzene	6.892	146	116395	10.897	ng		99
14) 1,2-Dichlorobenzene	7.045	146	108453	10.937	ng		98
15) Benzyl Alcohol	7.010	79	90500	10.431	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	138565	10.425	ng		99
17) 2-Methylphenol	7.122	107	80567	10.258	ng		99
18) Hexachloroethane	7.387	117	41189	10.431	ng		97
19) n-Nitroso-di-n-propyla...	7.275	70	76077	10.460	ng		96
20) 3+4-Methylphenols	7.275	107	108265	11.022	ng	#	89
22) Acetophenone	7.281	105	146536	10.925	ng		97
24) Nitrobenzene	7.451	77	121397	10.534	ng		99
25) Isophorone	7.686	82	202309	10.313	ng		98
26) 2-Nitrophenol	7.769	139	51547	10.079	ng		97
27) 2,4-Dimethylphenol	7.804	122	68066	10.396	ng		100
28) bis(2-Chloroethoxy)met...	7.898	93	127440	10.594	ng		99
29) 2,4-Dichlorophenol	8.010	162	85290	10.540	ng		98
30) 1,2,4-Trichlorobenzene	8.098	180	95485	10.599	ng		99
31) Naphthalene	8.181	128	318527	10.887	ng		99
32) Benzoic acid	7.875	122	51387m	8.934	ng		
33) 4-Chloroaniline	8.222	127	111264	10.936	ng		99
34) Hexachlorobutadiene	8.292	225	61596	10.731	ng		99
35) Caprolactam	8.563	113	26940	9.902	ng		97
36) 4-Chloro-3-methylphenol	8.698	107	94282	10.514	ng		99
37) 2-Methylnaphthalene	8.869	142	203533	10.850	ng		99
38) 1-Methylnaphthalene	8.969	142	200722	10.926	ng		99
40) 1,2,4,5-Tetrachloroben...	9.033	216	97174	10.573	ng		98
41) Hexachlorocyclopentadiene	9.022	237	18405	7.800	ng		98
43) 2,4,6-Trichlorophenol	9.145	196	62134	10.302	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140334.D
Acq On : 13 Nov 2024 09:53
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

Quant Time: Nov 13 14:23:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	69370	10.520	ng	98
46) 1,1'-Biphenyl	9.328	154	261030	10.796	ng	99
47) 2-Chloronaphthalene	9.357	162	196370	10.662	ng	99
48) 2-Nitroaniline	9.451	65	60634	9.927	ng	99
49) Acenaphthylene	9.769	152	299521	10.749	ng	100
50) Dimethylphthalate	9.628	163	225705	10.419	ng	99
51) 2,6-Dinitrotoluene	9.692	165	50400	10.206	ng	97
52) Acenaphthene	9.945	154	200055	10.629	ng	99
53) 3-Nitroaniline	9.857	138	54319	10.473	ng	99
54) 2,4-Dinitrophenol	9.969	184	18126	7.117	ng	98
55) Dibenzofuran	10.116	168	288411	10.825	ng	98
56) 4-Nitrophenol	10.016	139	36056	9.531	ng	98
57) 2,4-Dinitrotoluene	10.092	165	66496	10.231	ng	98
58) Fluorene	10.457	166	233209	11.080	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	54566m	10.489	ng	
60) Diethylphthalate	10.328	149	235508	10.632	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	114328	11.002	ng	98
62) 4-Nitroaniline	10.469	138	54026	10.188	ng	98
63) Azobenzene	10.610	77	231165	10.562	ng	99
65) 4,6-Dinitro-2-methylph...	10.504	198	30629	9.095	ng	97
66) n-Nitrosodiphenylamine	10.563	169	197047	10.896	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	65844	10.524	ng	98
68) Hexachlorobenzene	11.010	284	75713	10.755	ng	95
69) Atrazine	11.092	200	57244	10.462	ng	99
70) Pentachlorophenol	11.204	266	33884	8.935	ng	98
71) Phenanthrene	11.422	178	329580	11.209	ng	99
72) Anthracene	11.475	178	318560	11.055	ng	98
73) Carbazole	11.627	167	315859	11.101	ng	99
74) Di-n-butylphthalate	11.957	149	368412	10.788	ng	99
75) Fluoranthene	12.610	202	375846	11.394	ng	99
77) Benzidine	12.733	184	144597	8.261	ng	99
78) Pyrene	12.839	202	388982	9.972	ng	98
80) Butylbenzylphthalate	13.457	149	145394	9.702	ng	98
81) Benzo(a)anthracene	14.039	228	323440	10.791	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	98211	10.309	ng	99
83) Chrysene	14.080	228	282868	10.343	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	202970	10.147	ng	99
85) Di-n-octyl phthalate	14.668	149	277399	9.847	ng	100
87) Indeno(1,2,3-cd)pyrene	17.062	276	205803	9.305	ng	99
88) Benzo(b)fluoranthene	15.127	252	241957	10.331	ng	99
89) Benzo(k)fluoranthene	15.151	252	222087	11.607	ng	99
90) Benzo(a)pyrene	15.498	252	188533	10.366	ng	98
91) Dibenzo(a,h)anthracene	17.080	278	170496	9.326	ng	100
92) Benzo(g,h,i)perylene	17.515	276	172345	9.221	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

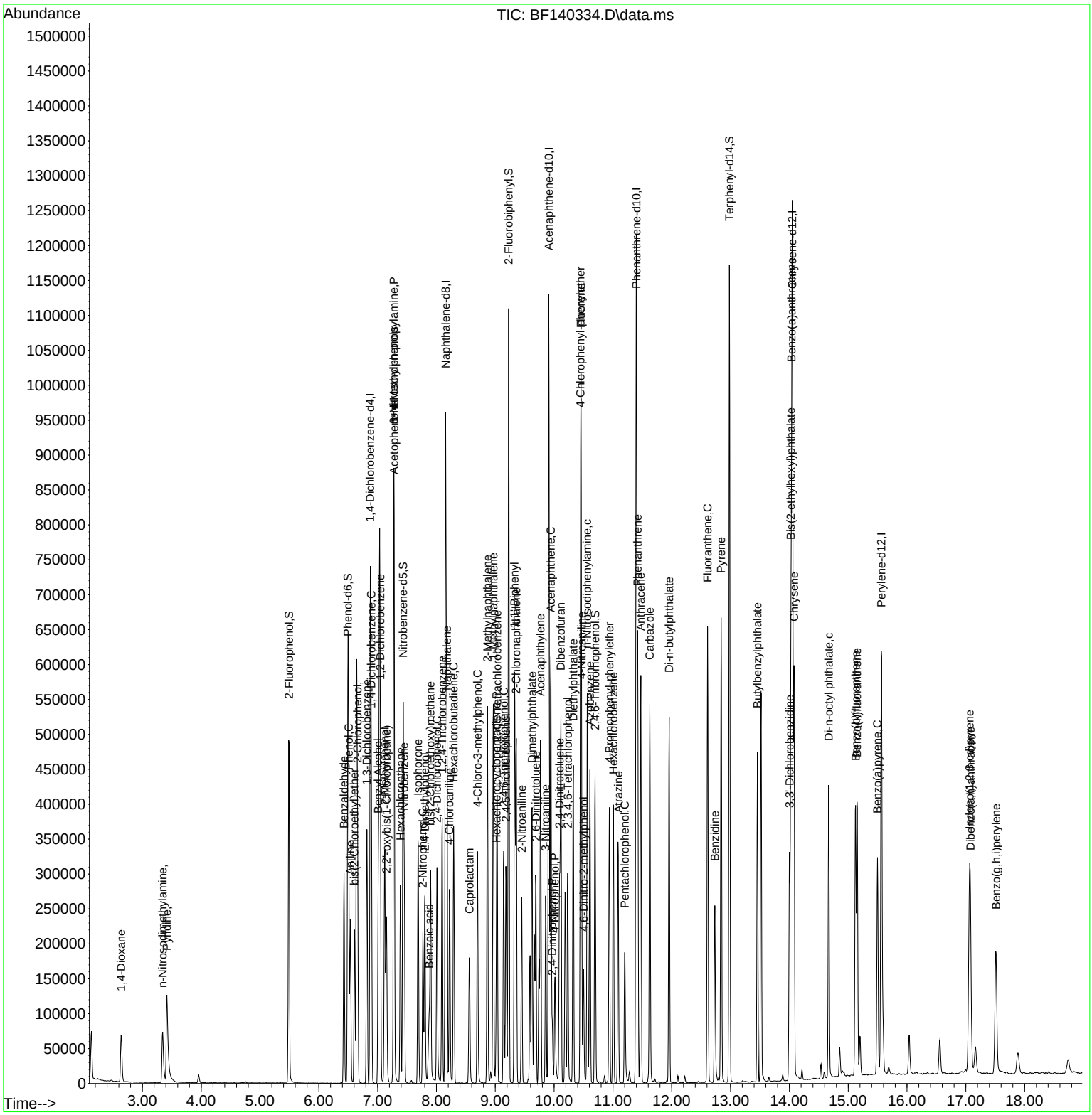
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140334.D
Acq On : 13 Nov 2024 09:53
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 13 14:23:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140335.D
Acq On : 13 Nov 2024 10:29
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Nov 13 14:24:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	149945	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	574759	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	321015	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	615627	20.000	ng	0.00
76) Chrysene-d12	14.068	240	437725	20.000	ng	0.02
86) Perylene-d12	15.592	264	335998	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	366621	41.746	ng	0.00
7) Phenol-d6	6.498	99	492662	41.406	ng	0.00
23) Nitrobenzene-d5	7.434	82	458389	41.554	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	132693	41.567	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	867449	43.439	ng	0.00
79) Terphenyl-d14	12.986	244	969963	38.464	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.634	88	79493	20.309	ng	99
3) Pyridine	3.399	79	198352	20.613	ng	98
4) n-Nitrosodimethylamine	3.340	42	97556	20.059	ng	100
6) Aniline	6.540	93	224200	21.661	ng	96
8) 2-Chlorophenol	6.657	128	199701	21.169	ng	100
9) Benzaldehyde	6.428	77	152483	21.383	ng	99
10) Phenol	6.510	94	261330	20.827	ng	98
11) bis(2-Chloroethyl)ether	6.610	93	195860	20.601	ng	100
12) 1,3-Dichlorobenzene	6.816	146	218012	20.945	ng	99
13) 1,4-Dichlorobenzene	6.892	146	222816	21.112	ng	100
14) 1,2-Dichlorobenzene	7.045	146	209619	21.394	ng	99
15) Benzyl Alcohol	7.010	79	179832	20.978	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	272081	20.718	ng	99
17) 2-Methylphenol	7.122	107	160794	20.720	ng	99
18) Hexachloroethane	7.387	117	82445	21.130	ng	97
19) n-Nitroso-di-n-propyla...	7.281	70	147880	20.578	ng	99
20) 3+4-Methylphenols	7.275	107	203732	20.992	ng	97
22) Acetophenone	7.281	105	276331	20.672	ng	98
24) Nitrobenzene	7.457	77	233182	20.302	ng	99
25) Isophorone	7.692	82	397520	20.333	ng	100
26) 2-Nitrophenol	7.769	139	104117	20.428	ng	97
27) 2,4-Dimethylphenol	7.804	122	133218	20.416	ng	99
28) bis(2-Chloroethoxy)met...	7.904	93	246864	20.593	ng	100
29) 2,4-Dichlorophenol	8.010	162	165159	20.480	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	187022	20.831	ng	98
31) Naphthalene	8.181	128	611395	20.969	ng	100
32) Benzoic acid	7.898	122	103495	18.055	ng	98
33) 4-Chloroaniline	8.222	127	212489	20.956	ng	99
34) Hexachlorobutadiene	8.292	225	120624	21.087	ng	100
35) Caprolactam	8.575	113	54033	19.929	ng	100
36) 4-Chloro-3-methylphenol	8.698	107	183923	20.581	ng	99
37) 2-Methylnaphthalene	8.869	142	392634	21.001	ng	100
38) 1-Methylnaphthalene	8.969	142	386754	21.125	ng	98
40) 1,2,4,5-Tetrachloroben...	9.034	216	187279	21.097	ng	99
41) Hexachlorocyclopentadiene	9.022	237	45811	20.099	ng	98
43) 2,4,6-Trichlorophenol	9.145	196	120063	20.609	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140335.D
Acq On : 13 Nov 2024 10:29
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Nov 13 14:24:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	132413	20.789	ng	98
46) 1,1'-Biphenyl	9.333	154	502252	21.506	ng	99
47) 2-Chloronaphthalene	9.357	162	368985	20.741	ng	99
48) 2-Nitroaniline	9.451	65	123220	20.885	ng	98
49) Acenaphthylene	9.775	152	573335	21.301	ng	99
50) Dimethylphthalate	9.628	163	440050	21.031	ng	100
51) 2,6-Dinitrotoluene	9.692	165	100599	21.089	ng	99
52) Acenaphthene	9.945	154	382783	21.056	ng	100
53) 3-Nitroaniline	9.863	138	107540	21.467	ng	99
54) 2,4-Dinitrophenol	9.969	184	47413	19.274	ng	96
55) Dibenzofuran	10.116	168	550502	21.391	ng	99
56) 4-Nitrophenol	10.016	139	76711	20.993	ng	99
57) 2,4-Dinitrotoluene	10.098	165	133852	21.321	ng	96
58) Fluorene	10.463	166	438095	21.548	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.233	232	104638	20.824	ng	98
60) Diethylphthalate	10.328	149	448855	20.979	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	214868	21.407	ng	100
62) 4-Nitroaniline	10.475	138	105392	20.576	ng	99
63) Azobenzene	10.610	77	443044	20.957	ng	99
65) 4,6-Dinitro-2-methylph...	10.504	198	69851	21.089	ng	99
66) n-Nitrosodiphenylamine	10.569	169	369633	20.780	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	128501	20.881	ng	97
68) Hexachlorobenzene	11.010	284	143099	20.667	ng	98
69) Atrazine	11.092	200	83124	15.446	ng	98
70) Pentachlorophenol	11.204	266	76218	20.435	ng	99
71) Phenanthrene	11.422	178	606738	20.980	ng	100
72) Anthracene	11.475	178	594950	20.991	ng	99
73) Carbazole	11.627	167	592904	21.186	ng	100
74) Di-n-butylphthalate	11.957	149	707973	21.077	ng	100
75) Fluoranthene	12.616	202	702671	21.657	ng	99
77) Benzidine	12.733	184	299422	17.823	ng	100
78) Pyrene	12.845	202	719319	19.212	ng	99
80) Butylbenzylphthalate	13.463	149	286162	19.895	ng	98
81) Benzo(a)anthracene	14.051	228	591480	20.560	ng	99
82) 3,3'-Dichlorobenzidine	14.016	252	189466	20.720	ng	99
83) Chrysene	14.092	228	540430	20.589	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	392830	20.462	ng	99
85) Di-n-octyl phthalate	14.692	149	556097	20.567	ng	99
87) Indeno(1,2,3-cd)pyrene	17.092	276	382218	18.415	ng	99
88) Benzo(b)fluoranthene	15.151	252	494335	22.491	ng	99
89) Benzo(k)fluoranthene	15.180	252	376428	20.964	ng	99
90) Benzo(a)pyrene	15.527	252	354286	20.757	ng	99
91) Dibenzo(a,h)anthracene	17.109	278	317133	18.485	ng	99
92) Benzo(g,h,i)perylene	17.545	276	320648	18.281	ng	99

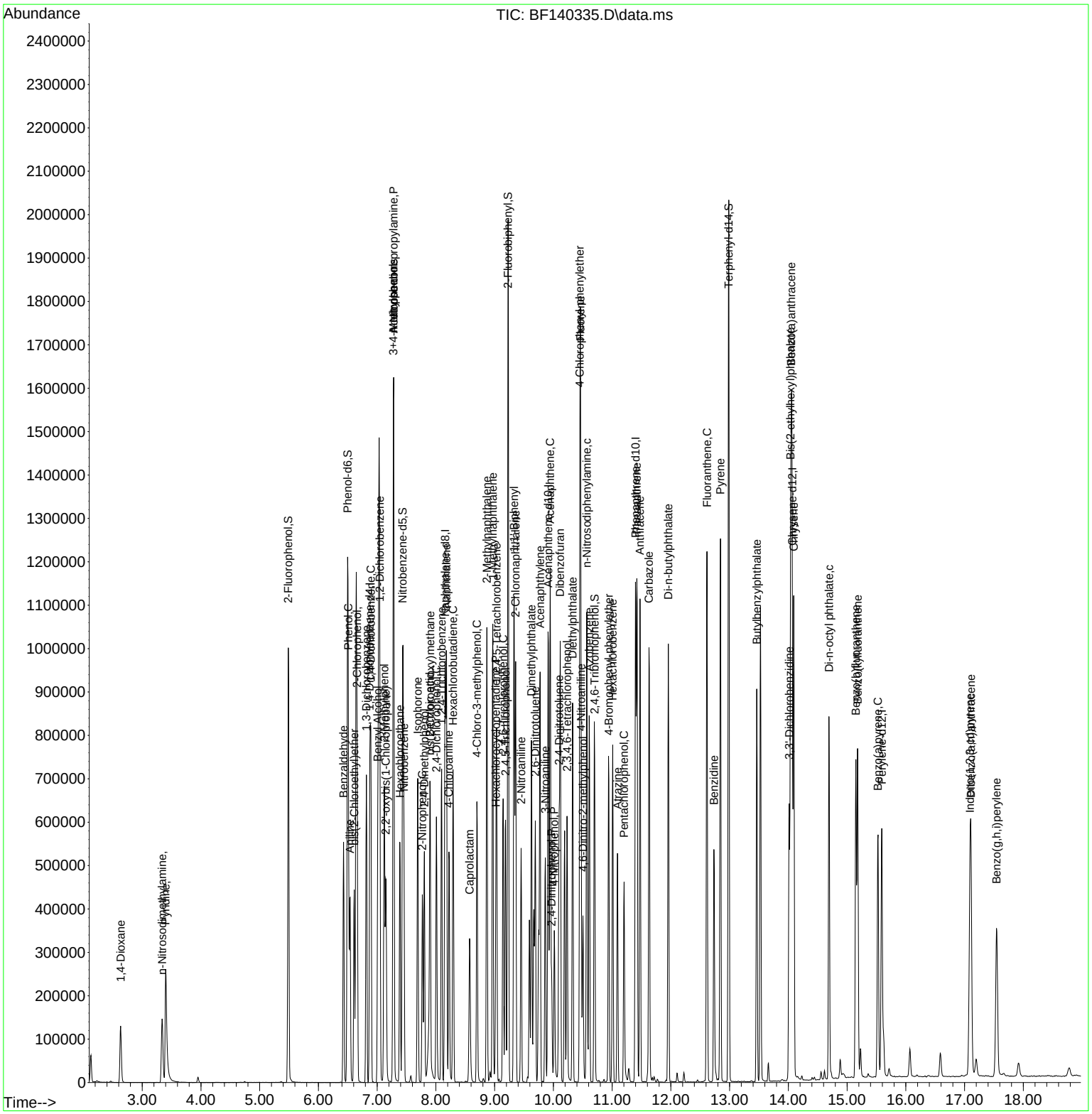
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140335.D
Acq On : 13 Nov 2024 10:29
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Nov 13 14:24:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140337.D
Acq On : 13 Nov 2024 11:21
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Nov 13 14:26:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	173750	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	645813	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	355715	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	673585	20.000	ng	0.00
76) Chrysene-d12	14.057	240	373903	20.000	ng	0.00
86) Perylene-d12	15.563	264	343764	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	946604	93.020	ng	0.00
7) Phenol-d6	6.510	99	1288691	93.469	ng	0.00
23) Nitrobenzene-d5	7.445	82	1188653	95.898	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	339834	96.071	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	2000974	90.428	ng	0.00
79) Terphenyl-d14	12.992	244	2129859	98.876	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.646	88	215224	47.452	ng	99
3) Pyridine	3.410	79	516550	46.326	ng	99
4) n-Nitrosodimethylamine	3.375	42	279565	49.608	ng	97
6) Aniline	6.545	93	550294	45.882	ng	99
8) 2-Chlorophenol	6.669	128	510922	46.739	ng	98
9) Benzaldehyde	6.434	77	359475	43.503	ng	99
10) Phenol	6.528	94	687077	47.255	ng	95
11) bis(2-Chloroethyl)ether	6.616	93	533018	48.382	ng	98
12) 1,3-Dichlorobenzene	6.822	146	560974	46.511	ng	98
13) 1,4-Dichlorobenzene	6.898	146	567404	46.396	ng	99
14) 1,2-Dichlorobenzene	7.051	146	526417	46.367	ng	99
15) Benzyl Alcohol	7.022	79	477924	48.113	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	723520	47.546	ng	98
17) 2-Methylphenol	7.128	107	433403	48.196	ng	99
18) Hexachloroethane	7.392	117	217240	48.050	ng	99
19) n-Nitroso-di-n-propyla...	7.298	70	383726	46.082	ng	99
20) 3+4-Methylphenols	7.287	107	521407	46.364	ng	92
22) Acetophenone	7.292	105	700174	46.615	ng	98
24) Nitrobenzene	7.463	77	629010	48.740	ng	99
25) Isophorone	7.698	82	1056536	48.095	ng	100
26) 2-Nitrophenol	7.775	139	282885	49.397	ng	96
27) 2,4-Dimethylphenol	7.810	122	356541	48.629	ng	98
28) bis(2-Chloroethoxy)met...	7.910	93	642458	47.695	ng	100
29) 2,4-Dichlorophenol	8.016	162	439530	48.507	ng	98
30) 1,2,4-Trichlorobenzene	8.098	180	481552	47.735	ng	99
31) Naphthalene	8.181	128	1534595	46.842	ng	99
32) Benzoic acid	7.945	122	347409	53.939	ng	98
33) 4-Chloroaniline	8.234	127	538110	47.230	ng	99
34) Hexachlorobutadiene	8.298	225	304280	47.340	ng	98
35) Caprolactam	8.610	113	147323	48.359	ng	99
36) 4-Chloro-3-methylphenol	8.710	107	482944	48.095	ng	99
37) 2-Methylnaphthalene	8.869	142	985640	46.920	ng	100
38) 1-Methylnaphthalene	8.969	142	951332	46.247	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	466149	47.389	ng	99
41) Hexachlorocyclopentadiene	9.022	237	138691	54.914	ng	100
43) 2,4,6-Trichlorophenol	9.145	196	320277	49.613	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140337.D
Acq On : 13 Nov 2024 11:21
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Nov 13 14:26:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	344237	48.773	ng	98
46) 1,1'-Biphenyl	9.334	154	1216913	47.025	ng	99
47) 2-Chloronaphthalene	9.363	162	945855	47.981	ng	99
48) 2-Nitroaniline	9.457	65	324847	49.689	ng	98
49) Acenaphthylene	9.781	152	1406468	47.156	ng	100
50) Dimethylphthalate	9.639	163	1108191	47.796	ng	100
51) 2,6-Dinitrotoluene	9.704	165	258909	48.982	ng	99
52) Acenaphthene	9.951	154	970618	48.182	ng	99
53) 3-Nitroaniline	9.869	138	272892	49.160	ng	98
54) 2,4-Dinitrophenol	9.975	184	158026	57.974	ng	97
55) Dibenzofuran	10.122	168	1335552	46.833	ng	100
56) 4-Nitrophenol	10.028	139	213518	52.733	ng	99
57) 2,4-Dinitrotoluene	10.104	165	343847	49.427	ng	97
58) Fluorene	10.463	166	1038836	46.112	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	274144	49.236	ng	99
60) Diethylphthalate	10.333	149	1130922	47.701	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	518480	46.617	ng	98
62) 4-Nitroaniline	10.486	138	280913	49.492	ng	99
63) Azobenzene	10.616	77	1112412	47.487	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	197492	54.495	ng	99
66) n-Nitrosodiphenylamine	10.575	169	910897	46.803	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	321760	47.787	ng	99
68) Hexachlorobenzene	11.016	284	351412	46.386	ng	98
69) Atrazine	11.098	200	261515	44.413	ng	99
70) Pentachlorophenol	11.204	266	220904	54.132	ng	99
71) Phenanthrene	11.428	178	1461484	46.188	ng	100
72) Anthracene	11.480	178	1447653	46.682	ng	100
73) Carbazole	11.633	167	1425182	46.543	ng	100
74) Di-n-butylphthalate	11.963	149	1745220	47.487	ng	100
75) Fluoranthene	12.616	202	1620115	45.637	ng	99
77) Benzidine	12.739	184	693785	48.345	ng	99
78) Pyrene	12.851	202	1615345	50.507	ng	99
80) Butylbenzylphthalate	13.463	149	626234	50.971	ng	97
81) Benzo(a)anthracene	14.045	228	1148657	46.743	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	379732	48.617	ng	99
83) Chrysene	14.086	228	1062734	47.398	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	801820	48.894	ng	100
85) Di-n-octyl phthalate	14.668	149	1109314	48.030	ng	99
87) Indeno(1,2,3-cd)pyrene	17.074	276	1130711	53.247	ng	100
88) Benzo(b)fluoranthene	15.127	252	1061367	47.198	ng	100
89) Benzo(k)fluoranthene	15.157	252	818554	44.558	ng	99
90) Benzo(a)pyrene	15.504	252	833765	47.745	ng	99
91) Dibenzo(a,h)anthracene	17.092	278	923159	52.593	ng	99
92) Benzo(g,h,i)perylene	17.533	276	963891	53.714	ng	99

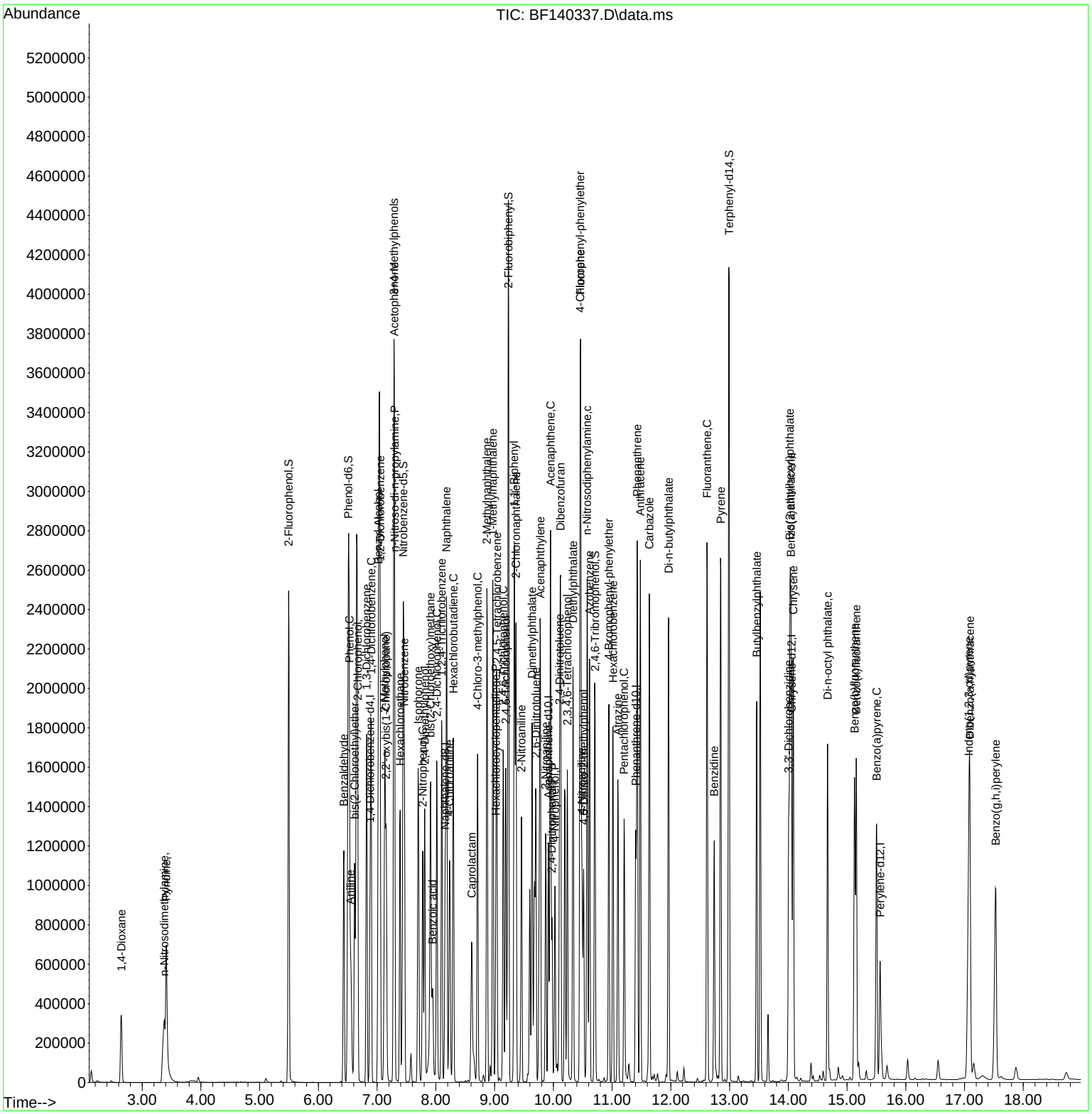
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140337.D
Acq On : 13 Nov 2024 11:21
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Nov 13 14:26:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140338.D
Acq On : 13 Nov 2024 11:47
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Nov 13 14:26:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	169226	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	626974	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	349852	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	653888	20.000	ng		0.00
76) Chrysene-d12	14.057	240	336717	20.000	ng		0.00
86) Perylene-d12	15.568	264	334279	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	1135551	114.570	ng		0.00
7) Phenol-d6	6.516	99	1529819	113.924	ng		0.01
23) Nitrobenzene-d5	7.445	82	1426102	118.512	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	397743	114.327	ng		0.00
45) 2-Fluorobiphenyl	9.233	172	2330064	107.065	ng		0.00
79) Terphenyl-d14	12.992	244	2404917	123.975	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.646	88	257092	58.199	ng		99
3) Pyridine	3.416	79	627905	57.818	ng		100
4) n-Nitrosodimethylamine	3.387	42	340452	62.027	ng		97
6) Aniline	6.545	93	644899	55.207	ng	#	84
8) 2-Chlorophenol	6.669	128	601333	56.481	ng		99
9) Benzaldehyde	6.434	77	397310	49.367	ng		99
10) Phenol	6.528	94	810917	57.263	ng		94
11) bis(2-Chloroethyl)ether	6.622	93	633964	59.083	ng		98
12) 1,3-Dichlorobenzene	6.822	146	668862	56.939	ng		99
13) 1,4-Dichlorobenzene	6.898	146	673261	56.523	ng		99
14) 1,2-Dichlorobenzene	7.051	146	616097	55.716	ng		98
15) Benzyl Alcohol	7.022	79	562583	58.150	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	855004	57.688	ng		93
17) 2-Methylphenol	7.134	107	515819	58.895	ng		98
18) Hexachloroethane	7.392	117	256957	58.354	ng		98
19) n-Nitroso-di-n-propyla...	7.298	70	459430	56.648	ng		99
20) 3+4-Methylphenols	7.286	107	608092	55.518	ng		99
22) Acetophenone	7.292	105	829586	56.891	ng	#	98
24) Nitrobenzene	7.469	77	740612	59.113	ng		99
25) Isophorone	7.704	82	1261423	59.147	ng		100
26) 2-Nitrophenol	7.781	139	339960	61.146	ng		99
27) 2,4-Dimethylphenol	7.810	122	426510	59.920	ng		98
28) bis(2-Chloroethoxy)met...	7.910	93	760029	58.119	ng		99
29) 2,4-Dichlorophenol	8.022	162	511715	58.170	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	566322	57.824	ng		100
31) Naphthalene	8.186	128	1796725	56.491	ng		99
32) Benzoic acid	7.957	122	425502	68.049	ng		97
33) 4-Chloroaniline	8.239	127	639243	57.793	ng		100
34) Hexachlorobutadiene	8.298	225	358172	57.398	ng		100
35) Caprolactam	8.622	113	178777	60.447	ng		95
36) 4-Chloro-3-methylphenol	8.716	107	571401	58.614	ng		100
37) 2-Methylnaphthalene	8.875	142	1141963	55.995	ng		100
38) 1-Methylnaphthalene	8.975	142	1113216	55.742	ng		100
40) 1,2,4,5-Tetrachloroben...	9.039	216	542595	56.085	ng		100
41) Hexachlorocyclopentadiene	9.022	237	166455	67.012	ng		99
43) 2,4,6-Trichlorophenol	9.151	196	369027	58.123	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140338.D
Acq On : 13 Nov 2024 11:47
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Nov 13 14:26:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	408838	58.897	ng	99
46) 1,1'-Biphenyl	9.339	154	1409617	55.384	ng	100
47) 2-Chloronaphthalene	9.363	162	1100798	56.777	ng	99
48) 2-Nitroaniline	9.457	65	384307	59.769	ng	96
49) Acenaphthylene	9.780	152	1628948	55.531	ng	99
50) Dimethylphthalate	9.639	163	1305952	57.269	ng	100
51) 2,6-Dinitrotoluene	9.704	165	303778	58.434	ng	99
52) Acenaphthene	9.951	154	1132725	57.171	ng	100
53) 3-Nitroaniline	9.875	138	313217	57.370	ng	100
54) 2,4-Dinitrophenol	9.980	184	178562	66.606	ng	99
55) Dibenzofuran	10.122	168	1538256	54.845	ng	99
56) 4-Nitrophenol	10.033	139	249200	62.577	ng	99
57) 2,4-Dinitrotoluene	10.110	165	401261	58.647	ng	96
58) Fluorene	10.469	166	1193733	53.876	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	317173	57.919	ng	99
60) Diethylphthalate	10.339	149	1308229	56.104	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	594806	54.376	ng	99
62) 4-Nitroaniline	10.492	138	328847	58.909	ng	100
63) Azobenzene	10.616	77	1305799	56.677	ng	98
65) 4,6-Dinitro-2-methylph...	10.522	198	234662	66.702	ng	97
66) n-Nitrosodiphenylamine	10.580	169	1061092	56.163	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	369051	56.461	ng	97
68) Hexachlorobenzene	11.016	284	422038	57.387	ng	98
69) Atrazine	11.104	200	402831	70.474	ng	99
70) Pentachlorophenol	11.210	266	255229	64.427	ng	99
71) Phenanthrene	11.427	178	1669857	54.363	ng	99
72) Anthracene	11.480	178	1644863	54.639	ng	99
73) Carbazole	11.633	167	1635888	55.034	ng	99
74) Di-n-butylphthalate	11.963	149	2005925	56.225	ng	100
75) Fluoranthene	12.621	202	1830547	53.118	ng	99
77) Benzidine	12.739	184	963069	74.521	ng	99
78) Pyrene	12.851	202	1817826	63.115	ng	99
80) Butylbenzylphthalate	13.463	149	687900	62.173	ng	98
81) Benzo(a)anthracene	14.045	228	1306865	59.054	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	419937	59.701	ng	100
83) Chrysene	14.086	228	1134734	56.198	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	877334	59.407	ng	99
85) Di-n-octyl phthalate	14.674	149	1253939	60.287	ng	99
87) Indeno(1,2,3-cd)pyrene	17.080	276	1357877	65.759	ng	100
88) Benzo(b)fluoranthene	15.133	252	1236880	56.564	ng	100
89) Benzo(k)fluoranthene	15.162	252	937366	52.473	ng	98
90) Benzo(a)pyrene	15.509	252	982982	57.887	ng	100
91) Dibenzo(a,h)anthracene	17.098	278	1124071	65.856	ng	99
92) Benzo(g,h,i)perylene	17.539	276	1149411	65.870	ng	98

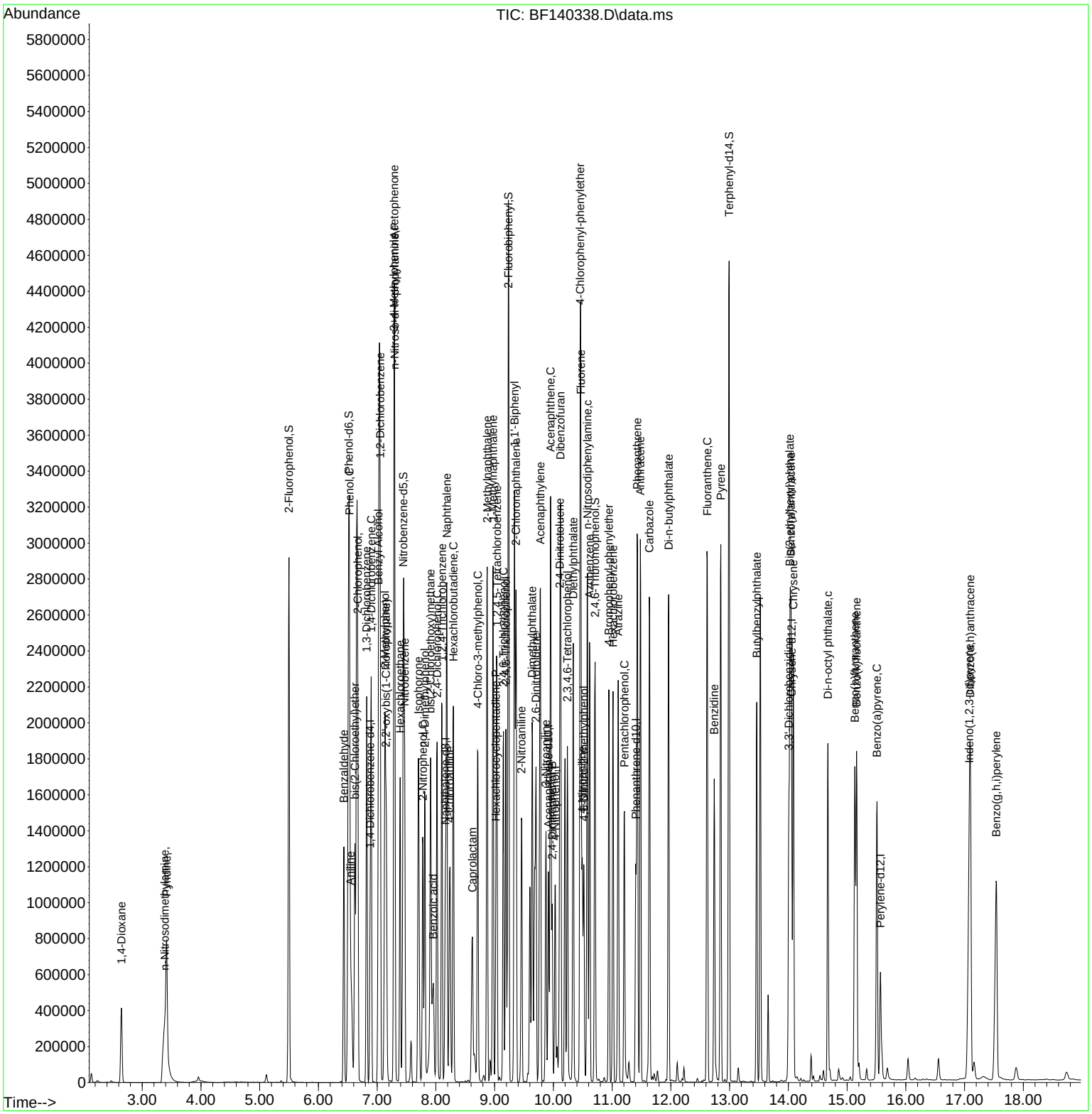
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140338.D
Acq On : 13 Nov 2024 11:47
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Nov 13 14:26:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140339.D
Acq On : 13 Nov 2024 12:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

Quant Time: Nov 13 14:36:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	160348	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	586224	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	324351	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	591968	20.000	ng		0.00
76) Chrysene-d12	14.057	240	305715	20.000	ng		0.00
86) Perylene-d12	15.562	264	310894	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	1324090	140.989	ng		0.00
7) Phenol-d6	6.522	99	1804257	141.801	ng		0.02
23) Nitrobenzene-d5	7.451	82	1661144	147.640	ng		0.01
42) 2,4,6-Tribromophenol	10.710	330	471699	146.244	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	2675376	132.597	ng		0.00
79) Terphenyl-d14	12.992	244	2674139	151.833	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.651	88	307882	73.555	ng		100
3) Pyridine	3.422	79	735683	71.493	ng		99
4) n-Nitrosodimethylamine	3.398	42	402441	77.381	ng		99
6) Aniline	6.551	93	684015	61.797	ng	#	84
8) 2-Chlorophenol	6.675	128	709152	70.295	ng		99
10) Phenol	6.534	94	947993	70.649	ng		92
11) bis(2-Chloroethyl)ether	6.622	93	756191	74.376	ng		99
12) 1,3-Dichlorobenzene	6.822	146	783204	70.364	ng		98
13) 1,4-Dichlorobenzene	6.898	146	783319	69.404	ng		99
14) 1,2-Dichlorobenzene	7.057	146	710399	67.802	ng		99
15) Benzyl Alcohol	7.028	79	654439	71.389	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	993408	70.738	ng		96
17) 2-Methylphenol	7.133	107	604396	72.829	ng		98
18) Hexachloroethane	7.392	117	300328	71.979	ng		98
19) n-Nitroso-di-n-propyla...	7.304	70	543998	70.790	ng		100
20) 3+4-Methylphenols	7.292	107	699451	67.394	ng		96
22) Acetophenone	7.298	105	963095	70.637	ng		99
24) Nitrobenzene	7.469	77	870976	74.350	ng		99
25) Isophorone	7.704	82	1487295	74.586	ng		100
26) 2-Nitrophenol	7.781	139	401982	77.328	ng		99
27) 2,4-Dimethylphenol	7.816	122	500708	75.234	ng		99
28) bis(2-Chloroethoxy)met...	7.910	93	887655	72.597	ng		100
29) 2,4-Dichlorophenol	8.022	162	597530	72.647	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	663478	72.454	ng		99
31) Naphthalene	8.186	128	2076967	69.842	ng		99
32) Benzoic acid	7.969	122	529009	90.483	ng		96
33) 4-Chloroaniline	8.245	127	729859	70.572	ng		99
34) Hexachlorobutadiene	8.298	225	417242	71.513	ng		100
35) Caprolactam	8.627	113	208353m	75.344	ng		
36) 4-Chloro-3-methylphenol	8.716	107	672162	73.742	ng		100
37) 2-Methylnaphthalene	8.875	142	1323889	69.428	ng		100
38) 1-Methylnaphthalene	8.975	142	1289276	69.046	ng		99
40) 1,2,4,5-Tetrachloroben...	9.039	216	629856	70.223	ng		100
41) Hexachlorocyclopentadiene	9.022	237	187869	81.579	ng		99
43) 2,4,6-Trichlorophenol	9.151	196	442116	75.110	ng		99
44) 2,4,5-Trichlorophenol	9.198	196	468390	72.781	ng		98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140339.D
Acq On : 13 Nov 2024 12:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Nov 13 14:36:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.339	154	1613420	68.375	ng	99
47) 2-Chloronaphthalene	9.363	162	1259442	70.067	ng	98
48) 2-Nitroaniline	9.463	65	454975	76.323	ng	98
49) Acenaphthylene	9.780	152	1869941	68.758	ng	99
50) Dimethylphthalate	9.645	163	1532197	72.473	ng	100
51) 2,6-Dinitrotoluene	9.704	165	348019	72.207	ng	93
52) Acenaphthene	9.951	154	1305360	71.065	ng	99
53) 3-Nitroaniline	9.874	138	356185	70.369	ng	98
54) 2,4-Dinitrophenol	9.980	184	217511	87.514	ng	98
55) Dibenzofuran	10.127	168	1743431	67.047	ng	100
56) 4-Nitrophenol	10.033	139	291787	79.032	ng	96
57) 2,4-Dinitrotoluene	10.110	165	454770	71.693	ng	94
58) Fluorene	10.469	166	1382804	67.316	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	374293	73.723	ng	100
60) Diethylphthalate	10.339	149	1537607	71.126	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	685111	67.555	ng	99
62) 4-Nitroaniline	10.498	138	385246	74.437	ng	100
63) Azobenzene	10.621	77	1508804	70.637	ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	274337	86.136	ng	99
66) n-Nitrosodiphenylamine	10.580	169	1237130	72.330	ng	100
67) 4-Bromophenyl-phenylether	10.951	248	426112	72.010	ng	99
68) Hexachlorobenzene	11.016	284	491825	73.871	ng	99
69) Atrazine	11.110	200	495230	95.702	ng	99
70) Pentachlorophenol	11.210	266	308099	85.908	ng	99
71) Phenanthrene	11.433	178	1941678	69.825	ng	99
72) Anthracene	11.486	178	1901483	69.770	ng	100
73) Carbazole	11.639	167	1853513	68.878	ng	99
74) Di-n-butylphthalate	11.963	149	2283744	70.708	ng	100
75) Fluoranthene	12.621	202	2053832	65.832	ng	99
77) Benzidine	12.739	184	1147944	97.835	ng	99
78) Pyrene	12.851	202	2044224	78.173	ng	99
80) Butylbenzylphthalate	13.462	149	768354	76.487	ng	98
81) Benzo(a)anthracene	14.045	228	1461193	72.724	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	488462	76.486	ng	99
83) Chrysene	14.086	228	1343316	73.275	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	994724	74.186	ng	99
85) Di-n-octyl phthalate	14.668	149	1481946	78.474	ng	99
87) Indeno(1,2,3-cd)pyrene	17.074	276	1638318	85.308	ng	99
88) Benzo(b)fluoranthene	15.127	252	1490709	73.300	ng	100
89) Benzo(k)fluoranthene	15.156	252	1103915	66.445	ng	98
90) Benzo(a)pyrene	15.504	252	1179142	74.662	ng	99
91) Dibenzo(a,h)anthracene	17.098	278	1339293	84.367	ng	99
92) Benzo(g,h,i)perylene	17.539	276	1392525	85.805	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

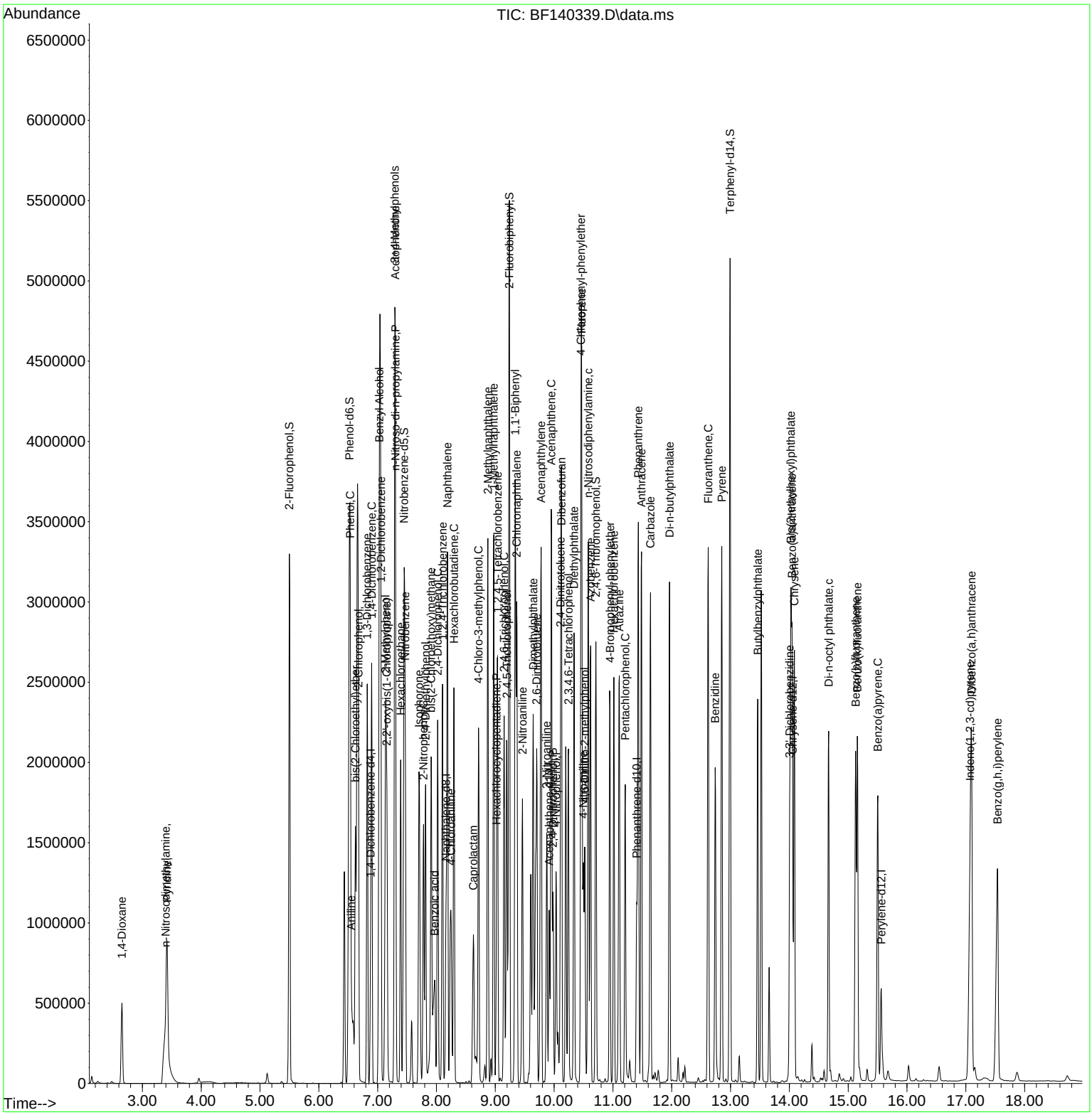
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140339.D
Acq On : 13 Nov 2024 12:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 13 14:36:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140340.D
Acq On : 13 Nov 2024 12:48
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Nov 13 14:28:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	147186	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	589077	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	334544	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	628587	20.000	ng	0.00
76) Chrysene-d12	14.063	240	385940	20.000	ng	0.01
86) Perylene-d12	15.580	264	322417	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	677089	78.544	ng	0.00
7) Phenol-d6	6.504	99	945074	80.918	ng	0.00
23) Nitrobenzene-d5	7.440	82	884247	78.210	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	257655	77.449	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	1568502	75.369	ng	0.00
79) Terphenyl-d14	12.986	244	1733989	77.987	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.634	88	151541	39.442	ng	99
3) Pyridine	3.399	79	387454	41.019	ng	99
4) n-Nitrosodimethylamine	3.352	42	193917	40.620	ng	97
6) Aniline	6.540	93	427252	42.052	ng	100
8) 2-Chlorophenol	6.663	128	371904	40.162	ng	100
9) Benzaldehyde	6.428	77	262348	37.479	ng	99
10) Phenol	6.516	94	507443	41.199	ng	99
11) bis(2-Chloroethyl)ether	6.616	93	371673	39.825	ng	99
12) 1,3-Dichlorobenzene	6.816	146	404387	39.579	ng	99
13) 1,4-Dichlorobenzene	6.893	146	409423	39.520	ng	99
14) 1,2-Dichlorobenzene	7.051	146	380948	39.610	ng	100
15) Benzyl Alcohol	7.016	79	356418	42.357	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	534596	41.471	ng	99
17) 2-Methylphenol	7.128	107	313127	41.105	ng	99
18) Hexachloroethane	7.387	117	151355	39.519	ng	98
19) n-Nitroso-di-n-propyla...	7.287	70	288974	40.966	ng	98
20) 3+4-Methylphenols	7.281	107	397692	41.745	ng	96
22) Acetophenone	7.287	105	529699	38.662	ng	98
24) Nitrobenzene	7.457	77	462701	39.307	ng	99
25) Isophorone	7.698	82	793806	39.616	ng	99
26) 2-Nitrophenol	7.775	139	210859	40.366	ng	99
27) 2,4-Dimethylphenol	7.804	122	262308	39.222	ng	97
28) bis(2-Chloroethoxy)met...	7.904	93	479505	39.027	ng	100
29) 2,4-Dichlorophenol	8.016	162	323936	39.193	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	355366	38.619	ng	100
31) Naphthalene	8.181	128	1157149	38.723	ng	100
32) Benzoic acid	7.928	122	249383	42.449	ng	96
33) 4-Chloroaniline	8.228	127	400271	38.516	ng	100
34) Hexachlorobutadiene	8.292	225	227805	38.855	ng	99
35) Caprolactam	8.598	113	108216	38.943	ng	96
36) 4-Chloro-3-methylphenol	8.704	107	364230	39.766	ng	99
37) 2-Methylnaphthalene	8.869	142	744201	38.839	ng	99
38) 1-Methylnaphthalene	8.969	142	736798	39.267	ng	99
40) 1,2,4,5-Tetrachloroben...	9.034	216	354978	38.371	ng	99
41) Hexachlorocyclopentadiene	9.022	237	93127	39.207	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	240824	39.666	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140340.D
Acq On : 13 Nov 2024 12:48
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Nov 13 14:28:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	2,4,5-Trichlorophenol	9.187	196	260135	39.190	ng	99
46)	1,1'-Biphenyl	9.334	154	939571	38.605	ng	99
47)	2-Chloronaphthalene	9.357	162	712904	38.453	ng	99
48)	2-Nitroaniline	9.457	65	243614	39.621	ng	99
49)	Acenaphthylene	9.775	152	1094318	39.012	ng	100
50)	Dimethylphthalate	9.634	163	843750	38.694	ng	100
51)	2,6-Dinitrotoluene	9.698	165	198967	40.024	ng	99
52)	Acenaphthene	9.951	154	733408	38.711	ng	100
53)	3-Nitroaniline	9.869	138	207550	39.755	ng	100
54)	2,4-Dinitrophenol	9.975	184	98545	38.441	ng	98
55)	Dibenzofuran	10.122	168	1042453	38.868	ng	100
56)	4-Nitrophenol	10.022	139	157938	41.475	ng	98
57)	2,4-Dinitrotoluene	10.104	165	258886	39.569	ng	98
58)	Fluorene	10.463	166	804084	37.951	ng	99
59)	2,3,4,6-Tetrachlorophenol	10.239	232	212533	40.586	ng	99
60)	Diethylphthalate	10.334	149	861287	38.627	ng	99
61)	4-Chlorophenyl-phenyle...	10.451	204	403914	38.614	ng	99
62)	4-Nitroaniline	10.481	138	213640	40.022	ng	100
63)	Azobenzene	10.616	77	865008	39.263	ng	99
65)	4,6-Dinitro-2-methylph...	10.510	198	136662	40.409	ng	98
66)	n-Nitrosodiphenylamine	10.575	169	703286	38.723	ng	100
67)	4-Bromophenyl-phenylether	10.945	248	243728	38.789	ng	100
68)	Hexachlorobenzene	11.010	284	273839	38.734	ng	98
69)	Atrazine	11.098	200	181993	33.121	ng	99
70)	Pentachlorophenol	11.204	266	160120	42.046	ng	98
71)	Phenanthrene	11.428	178	1135052	38.440	ng	100
72)	Anthracene	11.481	178	1117453	38.613	ng	100
73)	Carbazole	11.633	167	1101588	38.551	ng	100
74)	Di-n-butylphthalate	11.957	149	1350065	39.365	ng	100
75)	Fluoranthene	12.616	202	1279456	38.621	ng	100
77)	Benzidine	12.739	184	504166	34.036	ng	99
78)	Pyrene	12.845	202	1295809	39.252	ng	100
80)	Butylbenzylphthalate	13.463	149	532219	41.968	ng	97
81)	Benzo(a)anthracene	14.051	228	975194	38.447	ng	99
82)	3,3'-Dichlorobenzidine	14.010	252	310326	38.491	ng	99
83)	Chrysene	14.086	228	901424	38.950	ng	100
84)	Bis(2-ethylhexyl)phtha...	14.033	149	715490	42.269	ng	100
85)	Di-n-octyl phthalate	14.680	149	995484	41.757	ng	100
87)	Indeno(1,2,3-cd)pyrene	17.086	276	811059	40.723	ng	100
88)	Benzo(b)fluoranthene	15.139	252	814405	38.614	ng	100
89)	Benzo(k)fluoranthene	15.174	252	683609	39.676	ng	99
90)	Benzo(a)pyrene	15.516	252	648346	39.585	ng	99
91)	Dibenzo(a,h)anthracene	17.104	278	670243	40.712	ng	99
92)	Benzo(g,h,i)perylene	17.545	276	685184	40.711	ng	100

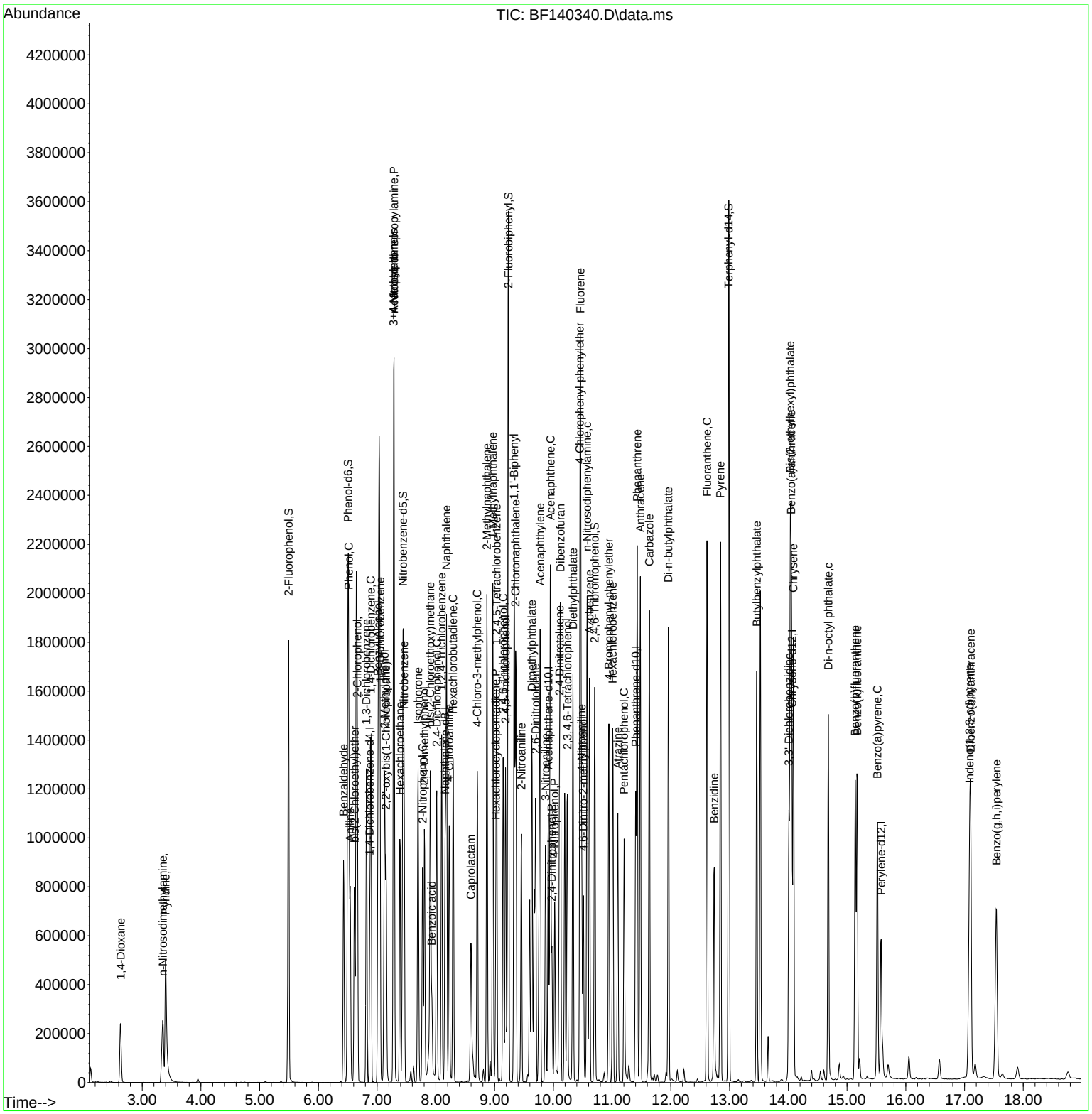
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140340.D
Acq On : 13 Nov 2024 12:48
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Nov 13 14:28:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140341.D
Acq On : 13 Nov 2024 13:19
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF111324

Quant Time: Nov 13 14:41:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	149980	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	587913	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	333123	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	631059	20.000	ng	0.00
76) Chrysene-d12	14.063	240	366437	20.000	ng	0.01
86) Perylene-d12	15.574	264	319261	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	684092	77.878	ng	0.00
7) Phenol-d6	6.504	99	943149	79.248	ng	0.00
23) Nitrobenzene-d5	7.440	82	885901	78.511	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	260432	78.617	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	1568824	75.707	ng	0.00
79) Terphenyl-d14	12.986	244	1705668	80.797	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.634	88	155026	39.597	ng	99
3) Pyridine	3.405	79	391304	40.655	ng	99
4) n-Nitrosodimethylamine	3.357	42	194133	39.908	ng	98
6) Aniline	6.540	93	429973	41.531	ng	99
8) 2-Chlorophenol	6.663	128	373546	39.588	ng	100
9) Benzaldehyde	6.428	77	266318	37.337	ng	99
10) Phenol	6.516	94	505284	40.259	ng	99
11) bis(2-Chloroethyl)ether	6.616	93	374368	39.367	ng	99
12) 1,3-Dichlorobenzene	6.816	146	407569	39.148	ng	99
13) 1,4-Dichlorobenzene	6.898	146	410968	38.930	ng	100
14) 1,2-Dichlorobenzene	7.051	146	381749	38.953	ng	100
15) Benzyl Alcohol	7.016	79	356665	41.596	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	529417	40.304	ng	100
17) 2-Methylphenol	7.128	107	312261	40.228	ng	99
18) Hexachloroethane	7.387	117	152783	39.149	ng	98
19) n-Nitroso-di-n-propyla...	7.292	70	288082	40.079	ng	99
20) 3+4-Methylphenols	7.281	107	398279	41.028	ng	99
22) Acetophenone	7.287	105	530294	38.782	ng	99
24) Nitrobenzene	7.463	77	461518	39.284	ng	99
25) Isophorone	7.698	82	791096	39.558	ng	100
26) 2-Nitrophenol	7.775	139	212967	40.850	ng	100
27) 2,4-Dimethylphenol	7.804	122	270554	40.536	ng	100
28) bis(2-Chloroethoxy)met...	7.904	93	481393	39.258	ng	99
29) 2,4-Dichlorophenol	8.016	162	326198	39.545	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	356725	38.843	ng	99
31) Naphthalene	8.181	128	1159811	38.889	ng	100
32) Benzoic acid	7.928	122	250402	42.635	ng	97
33) 4-Chloroaniline	8.228	127	404464	38.996	ng	99
34) Hexachlorobutadiene	8.298	225	227054	38.804	ng	99
35) Caprolactam	8.598	113	110611	40.345	ng	99
36) 4-Chloro-3-methylphenol	8.704	107	368906	40.356	ng	100
37) 2-Methylnaphthalene	8.869	142	747189	39.072	ng	100
38) 1-Methylnaphthalene	8.969	142	729079	38.933	ng	100
40) 1,2,4,5-Tetrachloroben...	9.034	216	356102	38.657	ng	100
41) Hexachlorocyclopentadiene	9.022	237	90509	38.267	ng	98
43) 2,4,6-Trichlorophenol	9.145	196	240423	39.769	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140341.D
Acq On : 13 Nov 2024 13:19
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF111324

Quant Time: Nov 13 14:41:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	254749	38.542	ng	100
46) 1,1'-Biphenyl	9.334	154	946801	39.068	ng	99
47) 2-Chloronaphthalene	9.363	162	711544	38.543	ng	100
48) 2-Nitroaniline	9.457	65	243803	39.821	ng	99
49) Acenaphthylene	9.775	152	1088251	38.962	ng	100
50) Dimethylphthalate	9.634	163	845361	38.933	ng	99
51) 2,6-Dinitrotoluene	9.698	165	197768	39.952	ng	100
52) Acenaphthene	9.951	154	738443	39.143	ng	100
53) 3-Nitroaniline	9.869	138	206946	39.809	ng	99
54) 2,4-Dinitrophenol	9.975	184	102497	40.153	ng	99
55) Dibenzofuran	10.122	168	1049030	39.280	ng	99
56) 4-Nitrophenol	10.022	139	158431	41.782	ng	99
57) 2,4-Dinitrotoluene	10.104	165	262271	40.258	ng	100
58) Fluorene	10.463	166	811348	38.457	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	206672	39.601	ng	99
60) Diethylphthalate	10.333	149	864678	38.945	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	400645	38.465	ng	99
62) 4-Nitroaniline	10.481	138	210281	39.561	ng	99
63) Azobenzene	10.616	77	869821	39.649	ng	99
65) 4,6-Dinitro-2-methylph...	10.510	198	139694	41.144	ng	100
66) n-Nitrosodiphenylamine	10.575	169	709758	38.926	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	246390	39.059	ng	99
68) Hexachlorobenzene	11.010	284	277113	39.043	ng	99
69) Atrazine	11.098	200	180055	32.640	ng	98
70) Pentachlorophenol	11.204	266	159402	41.693	ng	99
71) Phenanthrene	11.428	178	1127194	38.024	ng	99
72) Anthracene	11.480	178	1114551	38.362	ng	100
73) Carbazole	11.633	167	1109519	38.676	ng	100
74) Di-n-butylphthalate	11.957	149	1356287	39.391	ng	100
75) Fluoranthene	12.616	202	1270353	38.196	ng	99
77) Benzidine	12.739	184	546613	38.866	ng	99
78) Pyrene	12.845	202	1274659	40.667	ng	100
80) Butylbenzylphthalate	13.463	149	512452	42.560	ng	98
81) Benzo(a)anthracene	14.051	228	947117	39.327	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	304604	39.793	ng	99
83) Chrysene	14.086	228	869491	39.569	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	678437	42.213	ng	100
85) Di-n-octyl phthalate	14.680	149	915547	40.448	ng	99
87) Indeno(1,2,3-cd)pyrene	17.080	276	815903	41.371	ng	100
88) Benzo(b)fluoranthene	15.139	252	775920	37.153	ng	99
89) Benzo(k)fluoranthene	15.168	252	693105	40.625	ng	99
90) Benzo(a)pyrene	15.510	252	637970	39.337	ng	100
91) Dibenzo(a,h)anthracene	17.098	278	682579	41.871	ng	100
92) Benzo(g,h,i)perylene	17.539	276	677222	40.635	ng	99

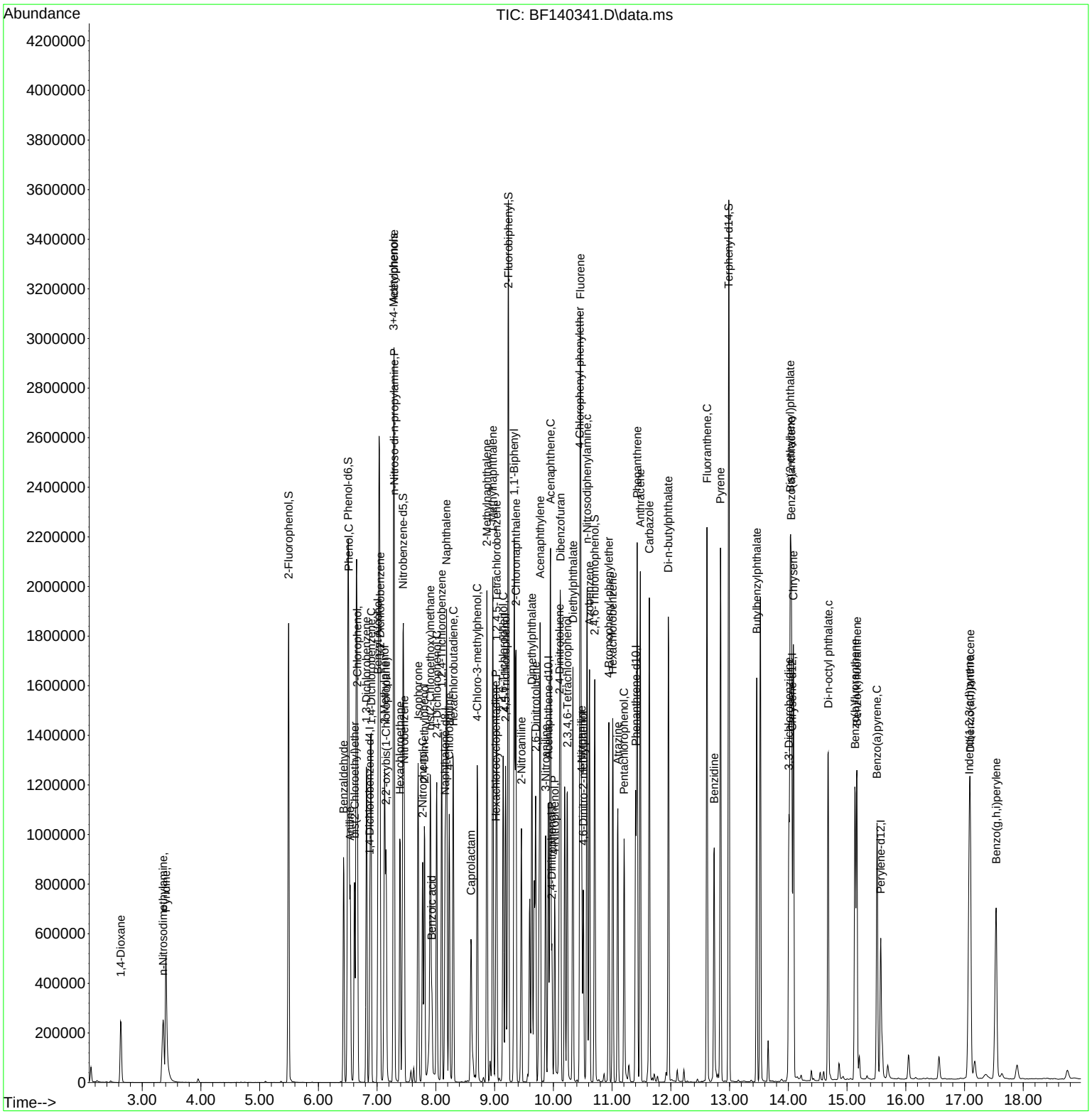
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140341.D
Acq On : 13 Nov 2024 13:19
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF111324

Quant Time: Nov 13 14:41:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140341.D
Acq On : 13 Nov 2024 13:19
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF111324

Quant Time: Nov 13 14:41:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
2		1,4-Dioxane	0.522	0.517	1.0	102	0.00
3		Pyridine	1.283	1.305	-1.7	101	0.00
4		n-Nitrosodimethylamine	0.649	0.647	0.3	100	0.00
5	S	2-Fluorophenol	1.171	1.140	2.6	101	0.00
6		Aniline	1.381	1.433	-3.8	101	0.00
7	S	Phenol-d6	1.587	1.572	0.9	100	0.00
8		2-Chlorophenol	1.258	1.245	1.0	100	0.00
9		Benzaldehyde	0.951	0.888	6.6	102	0.00
10	C	Phenol	1.674	1.685	-0.7	100	0.00
11		bis(2-Chloroethyl)ether	1.268	1.248	1.6	101	0.00
12		1,3-Dichlorobenzene	1.388	1.359	2.1	101	0.00
13	C	1,4-Dichlorobenzene	1.408	1.370	2.7	100	0.00
14		1,2-Dichlorobenzene	1.307	1.273	2.6	100	0.00
15		Benzyl Alcohol	1.143	1.189	-4.0	100	0.00
16		2,2'-oxybis(1-Chloropropane	1.752	1.765	-0.7	99	0.00
17		2-Methylphenol	1.035	1.041	-0.6	100	0.00
18		Hexachloroethane	0.520	0.509	2.1	101	0.00
19	P	n-Nitroso-di-n-propylamine	0.959	0.960	-0.1	100	0.00
20		3+4-Methylphenols	1.294	1.328	-2.6	100	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	100	0.00
22		Acetophenone	0.465	0.451	3.0	100	0.00
23	S	Nitrobenzene-d5	0.384	0.377	1.8	100	0.00
24		Nitrobenzene	0.400	0.393	1.8	100	0.00
25		Isophorone	0.680	0.673	1.0	100	0.00
26	C	2-Nitrophenol	0.177	0.181	-2.3	101	0.00
27		2,4-Dimethylphenol	0.227	0.230	-1.3	103	0.00
28		bis(2-Chloroethoxy)methane	0.417	0.409	1.9	100	0.00
29	C	2,4-Dichlorophenol	0.281	0.277	1.4	101	0.00
30		1,2,4-Trichlorobenzene	0.312	0.303	2.9	100	0.00
31		Naphthalene	1.015	0.986	2.9	100	0.00
32		Benzoic acid	0.200	0.213	-6.5	100	0.00
33		4-Chloroaniline	0.353	0.344	2.5	101	0.00
34	C	Hexachlorobutadiene	0.199	0.193	3.0	100	0.00
35		Caprolactam	0.093	0.094	-1.1	102	0.00
36	C	4-Chloro-3-methylphenol	0.311	0.314	-1.0	101	0.00
37		2-Methylnaphthalene	0.651	0.635	2.5	100	0.00
38		1-Methylnaphthalene	0.637	0.620	2.7	99	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.00
40		1,2,4,5-Tetrachlorobenzene	0.553	0.534	3.4	100	0.00
41	P	Hexachlorocyclopentadiene	0.142	0.136	4.2	97	0.00
42	S	2,4,6-Tribromophenol	0.199	0.195	2.0	101	0.00
43	C	2,4,6-Trichlorophenol	0.363	0.361	0.6	100	0.00
44		2,4,5-Trichlorophenol	0.397	0.382	3.8	98	0.00
45	S	2-Fluorobiphenyl	1.244	1.177	5.4	100	0.00
46		1,1'-Biphenyl	1.455	1.421	2.3	101	0.00
47		2-Chloronaphthalene	1.108	1.068	3.6	100	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140341.D
Acq On : 13 Nov 2024 13:19
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF111324

Quant Time: Nov 13 14:41:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.368	0.366	0.5	100	0.00
49		Acenaphthylene	1.677	1.633	2.6	99	0.00
50		Dimethylphthalate	1.304	1.269	2.7	100	0.00
51		2,6-Dinitrotoluene	0.297	0.297	0.0	99	0.00
52	C	Acenaphthene	1.133	1.108	2.2	101	0.00
53		3-Nitroaniline	0.312	0.311	0.3	100	0.00
54	P	2,4-Dinitrophenol	0.153	0.154	-0.7	104	0.00
55		Dibenzofuran	1.603	1.575	1.7	101	0.00
56	P	4-Nitrophenol	0.228	0.238	-4.4	100	0.00
57		2,4-Dinitrotoluene	0.391	0.394	-0.8	101	0.00
58		Fluorene	1.267	1.218	3.9	101	0.00
59		2,3,4,6-Tetrachlorophenol	0.313	0.310	1.0	97	0.00
60		Diethylphthalate	1.333	1.298	2.6	100	0.00
61		4-Chlorophenyl-phenylether	0.625	0.601	3.8	99	0.00
62		4-Nitroaniline	0.319	0.316	0.9	98	0.00
63		Azobenzene	1.317	1.306	0.8	101	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
65		4,6-Dinitro-2-methylphenol	0.108	0.111	-2.8	102	0.00
66	c	n-Nitrosodiphenylamine	0.578	0.562	2.8	101	0.00
67		4-Bromophenyl-phenylether	0.200	0.195	2.5	101	0.00
68		Hexachlorobenzene	0.225	0.220	2.2	101	0.00
69		Atrazine	0.175	0.143	18.3	99	0.00
70	C	Pentachlorophenol	0.121	0.126	-4.1	100	0.00
71		Phenanthrene	0.940	0.893	5.0	99	0.00
72		Anthracene	0.921	0.883	4.1	100	0.00
73		Carbazole	0.909	0.879	3.3	101	0.00
74		Di-n-butylphthalate	1.091	1.075	1.5	100	0.00
75	C	Fluoranthene	1.054	1.007	4.5	99	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	95	0.01
77		Benzidine	0.768	0.746	2.9	108	0.00
78		Pyrene	1.711	1.739	-1.6	98	0.00
79	S	Terphenyl-d14	1.152	1.164	-1.0	98	0.00
80		Butylbenzylphthalate	0.657	0.699	-6.4	96	0.00
81		Benzo(a)anthracene	1.314	1.292	1.7	97	0.01
82		3,3'-Dichlorobenzidine	0.418	0.416	0.5	98	0.01
83		Chrysene	1.199	1.186	1.1	96	0.00
84		Bis(2-ethylhexyl)phthalate	0.877	0.926	-5.6	95	0.01
85	c	Di-n-octyl phthalate	1.235	1.249	-1.1	92	0.02
86	I	Perylene-d12	1.000	1.000	0.0	99	0.02
87		Indeno(1,2,3-cd)pyrene	1.235	1.278	-3.5	101	0.02
88		Benzo(b)fluoranthene	1.308	1.215	7.1	95	0.02
89		Benzo(k)fluoranthene	1.069	1.085	-1.5	101	0.02
90	C	Benzo(a)pyrene	1.016	0.999	1.7	98	0.02
91		Dibenzo(a,h)anthracene	1.021	1.069	-4.7	102	0.02
92		Benzo(g,h,i)perylene	1.044	1.061	-1.6	99	0.02

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140341.D
Acq On : 13 Nov 2024 13:19
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF111324

Quant Time: Nov 13 14:41:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140341.D
Acq On : 13 Nov 2024 13:19
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF111324

Quant Time: Nov 13 14:41:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	102	0.00
2		1,4-Dioxane	40.000	39.597	1.0	102	0.00
3		Pyridine	40.000	40.655	-1.6	101	0.00
4		n-Nitrosodimethylamine	40.000	39.908	0.2	100	0.00
5	S	2-Fluorophenol	80.000	77.878	2.7	101	0.00
6		Aniline	40.000	41.531	-3.8	101	0.00
7	S	Phenol-d6	80.000	79.248	0.9	100	0.00
8		2-Chlorophenol	40.000	39.588	1.0	100	0.00
9		Benzaldehyde	40.000	37.337	6.7	102	0.00
10	C	Phenol	40.000	40.259	-0.6	100	0.00
11		bis(2-Chloroethyl)ether	40.000	39.367	1.6	101	0.00
12		1,3-Dichlorobenzene	40.000	39.148	2.1	101	0.00
13	C	1,4-Dichlorobenzene	40.000	38.930	2.7	100	0.00
14		1,2-Dichlorobenzene	40.000	38.953	2.6	100	0.00
15		Benzyl Alcohol	40.000	41.596	-4.0	100	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.304	-0.8	99	0.00
17		2-Methylphenol	40.000	40.228	-0.6	100	0.00
18		Hexachloroethane	40.000	39.149	2.1	101	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.079	-0.2	100	0.00
20		3+4-Methylphenols	40.000	41.028	-2.6	100	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	100	0.00
22		Acetophenone	40.000	38.782	3.0	100	0.00
23	S	Nitrobenzene-d5	80.000	78.511	1.9	100	0.00
24		Nitrobenzene	40.000	39.284	1.8	100	0.00
25		Isophorone	40.000	39.558	1.1	100	0.00
26	C	2-Nitrophenol	40.000	40.850	-2.1	101	0.00
27		2,4-Dimethylphenol	40.000	40.536	-1.3	103	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.258	1.9	100	0.00
29	C	2,4-Dichlorophenol	40.000	39.545	1.1	101	0.00
30		1,2,4-Trichlorobenzene	40.000	38.843	2.9	100	0.00
31		Naphthalene	40.000	38.889	2.8	100	0.00
32		Benzoic acid	40.000	42.635	-6.6	100	0.00
33		4-Chloroaniline	40.000	38.996	2.5	101	0.00
34	C	Hexachlorobutadiene	40.000	38.804	3.0	100	0.00
35		Caprolactam	40.000	40.345	-0.9	102	0.00
36	C	4-Chloro-3-methylphenol	40.000	40.356	-0.9	101	0.00
37		2-Methylnaphthalene	40.000	39.072	2.3	100	0.00
38		1-Methylnaphthalene	40.000	38.933	2.7	99	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	100	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.657	3.4	100	0.00
41	P	Hexachlorocyclopentadiene	40.000	38.267	4.3	97	0.00
42	S	2,4,6-Tribromophenol	80.000	78.617	1.7	101	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.769	0.6	100	0.00
44		2,4,5-Trichlorophenol	40.000	38.542	3.6	98	0.00
45	S	2-Fluorobiphenyl	80.000	75.707	5.4	100	0.00
46		1,1'-Biphenyl	40.000	39.068	2.3	101	0.00
47		2-Chloronaphthalene	40.000	38.543	3.6	100	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140341.D
Acq On : 13 Nov 2024 13:19
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF111324

Quant Time: Nov 13 14:41:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	39.821	0.4	100	0.00
49		Acenaphthylene	40.000	38.962	2.6	99	0.00
50		Dimethylphthalate	40.000	38.933	2.7	100	0.00
51		2,6-Dinitrotoluene	40.000	39.952	0.1	99	0.00
52	C	Acenaphthene	40.000	39.143	2.1	101	0.00
53		3-Nitroaniline	40.000	39.809	0.5	100	0.00
54	P	2,4-Dinitrophenol	40.000	40.153	-0.4	104	0.00
55		Dibenzofuran	40.000	39.280	1.8	101	0.00
56	P	4-Nitrophenol	40.000	41.782	-4.5	100	0.00
57		2,4-Dinitrotoluene	40.000	40.258	-0.6	101	0.00
58		Fluorene	40.000	38.457	3.9	101	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.601	1.0	97	0.00
60		Diethylphthalate	40.000	38.945	2.6	100	0.00
61		4-Chlorophenyl-phenylether	40.000	38.465	3.8	99	0.00
62		4-Nitroaniline	40.000	39.561	1.1	98	0.00
63		Azobenzene	40.000	39.649	0.9	101	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	100	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.144	-2.9	102	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.926	2.7	101	0.00
67		4-Bromophenyl-phenylether	40.000	39.059	2.4	101	0.00
68		Hexachlorobenzene	40.000	39.043	2.4	101	0.00
69		Atrazine	40.000	32.640	18.4	99	0.00
70	C	Pentachlorophenol	40.000	41.693	-4.2	100	0.00
71		Phenanthrene	40.000	38.024	4.9	99	0.00
72		Anthracene	40.000	38.362	4.1	100	0.00
73		Carbazole	40.000	38.676	3.3	101	0.00
74		Di-n-butylphthalate	40.000	39.391	1.5	100	0.00
75	C	Fluoranthene	40.000	38.196	4.5	99	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	95	0.01
77		Benzidine	40.000	38.866	2.8	108	0.00
78		Pyrene	40.000	40.667	-1.7	98	0.00
79	S	Terphenyl-d14	80.000	80.797	-1.0	98	0.00
80		Butylbenzylphthalate	40.000	42.560	-6.4	96	0.00
81		Benzo(a)anthracene	40.000	39.327	1.7	97	0.01
82		3,3'-Dichlorobenzidine	40.000	39.793	0.5	98	0.01
83		Chrysene	40.000	39.569	1.1	96	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	42.213	-5.5	95	0.01
85	c	Di-n-octyl phthalate	40.000	40.448	-1.1	92	0.02
86	I	Perylene-d12	20.000	20.000	0.0	99	0.02
87		Indeno(1,2,3-cd)pyrene	40.000	41.371	-3.4	101	0.02
88		Benzo(b)fluoranthene	40.000	37.153	7.1	95	0.02
89		Benzo(k)fluoranthene	40.000	40.625	-1.6	101	0.02
90	C	Benzo(a)pyrene	40.000	39.337	1.7	98	0.02
91		Dibenzo(a,h)anthracene	40.000	41.871	-4.7	102	0.02
92		Benzo(g,h,i)perylene	40.000	40.635	-1.6	99	0.02

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140341.D
Acq On : 13 Nov 2024 13:19
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF111324

Quant Time: Nov 13 14:41:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG No.: P4852

Instrument ID: BNA_F Calibration Date/Time: 11/16/2024 09:34

Lab File ID: BF140417.D Init. Calib. Date(s): 11/13/2024 11/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 12:48

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.171	1.149		-1.9	
Phenol-d6	1.587	1.530		-3.6	
Nitrobenzene-d5	0.384	0.376		-2.1	
Isophorone	0.680	0.662		-2.6	
Naphthalene	1.015	1.001		-1.4	
2-Fluorobiphenyl	1.244	1.185		-4.7	
Fluorene	1.267	1.222		-3.6	
2,4,6-Tribromophenol	0.199	0.198		-0.5	
Phenanthrene	0.940	0.898		-4.5	
Anthracene	0.921	0.890		-3.4	
Pyrene	1.711	1.804		5.4	
Terphenyl-d14	1.152	1.194		3.6	
Benzo(a)anthracene	1.314	1.329		1.1	
Chrysene	1.199	1.120		-6.6	
Benzo(b)fluoranthene	1.308	1.209		-7.6	
Benzo(a)pyrene	1.016	0.999		-1.7	20.0
Benzo(g,h,i)perylene	1.044	1.054		1.0	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140417.D
Acq On : 16 Nov 2024 09:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 18 00:04:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	171491	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	639592	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	364979	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	687284	20.000	ng		0.00
76) Chrysene-d12	14.051	240	387415	20.000	ng		0.00
86) Perylene-d12	15.545	264	336604	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	787994	78.454	ng		0.01
7) Phenol-d6	6.522	99	1049788	77.144	ng		0.02
23) Nitrobenzene-d5	7.445	82	962351	78.395	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	289499	79.764	ng		0.00
45) 2-Fluorobiphenyl	9.234	172	1729565	76.179	ng		0.00
79) Terphenyl-d14	12.992	244	1850283	82.901	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.646	88	172832	38.608	ng		99
3) Pyridine	3.416	79	428144	38.903	ng		99
4) n-Nitrosodimethylamine	3.375	42	215142	38.679	ng		100
6) Aniline	6.545	93	404530	34.173	ng	#	59
8) 2-Chlorophenol	6.669	128	426051	39.489	ng		98
9) Benzaldehyde	6.428	77	275132	33.734	ng		99
10) Phenol	6.534	94	541819	37.755	ng		80
11) bis(2-Chloroethyl)ether	6.616	93	424589	39.048	ng		99
12) 1,3-Dichlorobenzene	6.816	146	477931	40.148	ng		99
13) 1,4-Dichlorobenzene	6.898	146	471860	39.091	ng		99
14) 1,2-Dichlorobenzene	7.051	146	443164	39.548	ng		100
15) Benzyl Alcohol	7.022	79	386829	39.455	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.151	45	552688	36.798	ng		71
17) 2-Methylphenol	7.140	107	342515	38.591	ng	#	93
18) Hexachloroethane	7.387	117	174720	39.154	ng		98
19) n-Nitroso-di-n-propyla...	7.292	70	307154	37.372	ng		99
20) 3+4-Methylphenols	7.292	107	421150	37.942	ng		99
22) Acetophenone	7.287	105	580166	39.001	ng		99
24) Nitrobenzene	7.463	77	499492	39.081	ng		99
25) Isophorone	7.698	82	846924	38.928	ng		99
26) 2-Nitrophenol	7.775	139	233325	41.139	ng		99
27) 2,4-Dimethylphenol	7.816	122	291470m	40.141	ng		
28) bis(2-Chloroethoxy)met...	7.904	93	526391	39.459	ng		99
29) 2,4-Dichlorophenol	8.022	162	354095	39.458	ng		100
30) 1,2,4-Trichlorobenzene	8.098	180	397157	39.752	ng		99
31) Naphthalene	8.181	128	1280078	39.453	ng		100
32) Benzoic acid	7.945	122	289465	45.304	ng		96
33) 4-Chloroaniline	8.234	127	393461	34.870	ng		100
34) Hexachlorobutadiene	8.292	225	252633	39.687	ng		99
35) Caprolactam	8.604	113	122313	41.008	ng		95
36) 4-Chloro-3-methylphenol	8.716	107	397602	39.981	ng		100
37) 2-Methylnaphthalene	8.869	142	817627	39.301	ng		100
38) 1-Methylnaphthalene	8.969	142	800228	39.279	ng		99
40) 1,2,4,5-Tetrachloroben...	9.039	216	397151	39.350	ng		99
41) Hexachlorocyclopentadiene	9.022	237	95452	36.835	ng		99
43) 2,4,6-Trichlorophenol	9.151	196	259845	39.230	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140417.D
Acq On : 16 Nov 2024 09:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 18 00:04:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	287468	39.696	ng	98
46) 1,1'-Biphenyl	9.334	154	1020486	38.433	ng	100
47) 2-Chloronaphthalene	9.363	162	779794	38.553	ng	99
48) 2-Nitroaniline	9.457	65	263815	39.329	ng	97
49) Acenaphthylene	9.781	152	1182571	38.643	ng	100
50) Dimethylphthalate	9.633	163	927828	39.001	ng	100
51) 2,6-Dinitrotoluene	9.704	165	214746	39.596	ng	97
52) Acenaphthene	9.951	154	800838	38.745	ng	99
53) 3-Nitroaniline	9.875	138	216865	38.075	ng	100
54) 2,4-Dinitrophenol	9.981	184	118699	42.441	ng	98
55) Dibenzofuran	10.122	168	1128530	38.569	ng	100
56) 4-Nitrophenol	10.045	139	161221	38.806	ng	97
57) 2,4-Dinitrotoluene	10.104	165	285597	40.012	ng	99
58) Fluorene	10.463	166	891798	38.581	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	231741	40.529	ng	98
60) Diethylphthalate	10.333	149	957261	39.351	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	443760	38.886	ng	98
62) 4-Nitroaniline	10.486	138	233091	40.025	ng	98
63) Azobenzene	10.616	77	913925	38.024	ng	100
65) 4,6-Dinitro-2-methylph...	10.516	198	162374	43.912	ng	99
66) n-Nitrosodiphenylamine	10.575	169	770535	38.802	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	272428	39.654	ng	99
68) Hexachlorobenzene	11.016	284	307743	39.812	ng	97
69) Atrazine	11.104	200	210416	35.023	ng	99
70) Pentachlorophenol	11.210	266	167682	40.271	ng	99
71) Phenanthrene	11.433	178	1234090	38.224	ng	100
72) Anthracene	11.480	178	1223863	38.679	ng	100
73) Carbazole	11.639	167	1206562	38.618	ng	100
74) Di-n-butylphthalate	11.963	149	1497471	39.934	ng	100
75) Fluoranthene	12.622	202	1392952	38.456	ng	99
77) Benzidine	12.739	184	403532	27.139	ng	99
78) Pyrene	12.851	202	1398048	42.188	ng	100
80) Butylbenzylphthalate	13.463	149	562104	44.155	ng	97
81) Benzo(a)anthracene	14.039	228	1030059	40.455	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	306565	37.880	ng	99
83) Chrysene	14.080	228	867443	37.339	ng	99
84) Bis(2-ethylhexyl)phtha...	14.021	149	742638	43.706	ng	99
85) Di-n-octyl phthalate	14.645	149	987420	41.261	ng	100
87) Indeno(1,2,3-cd)pyrene	17.057	276	851380	40.946	ng	100
88) Benzo(b)fluoranthene	15.110	252	814060	36.971	ng	99
89) Benzo(k)fluoranthene	15.139	252	715432	39.773	ng	99
90) Benzo(a)pyrene	15.480	252	672678	39.340	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	707111	41.141	ng	99
92) Benzo(g,h,i)perylene	17.509	276	709860	40.399	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

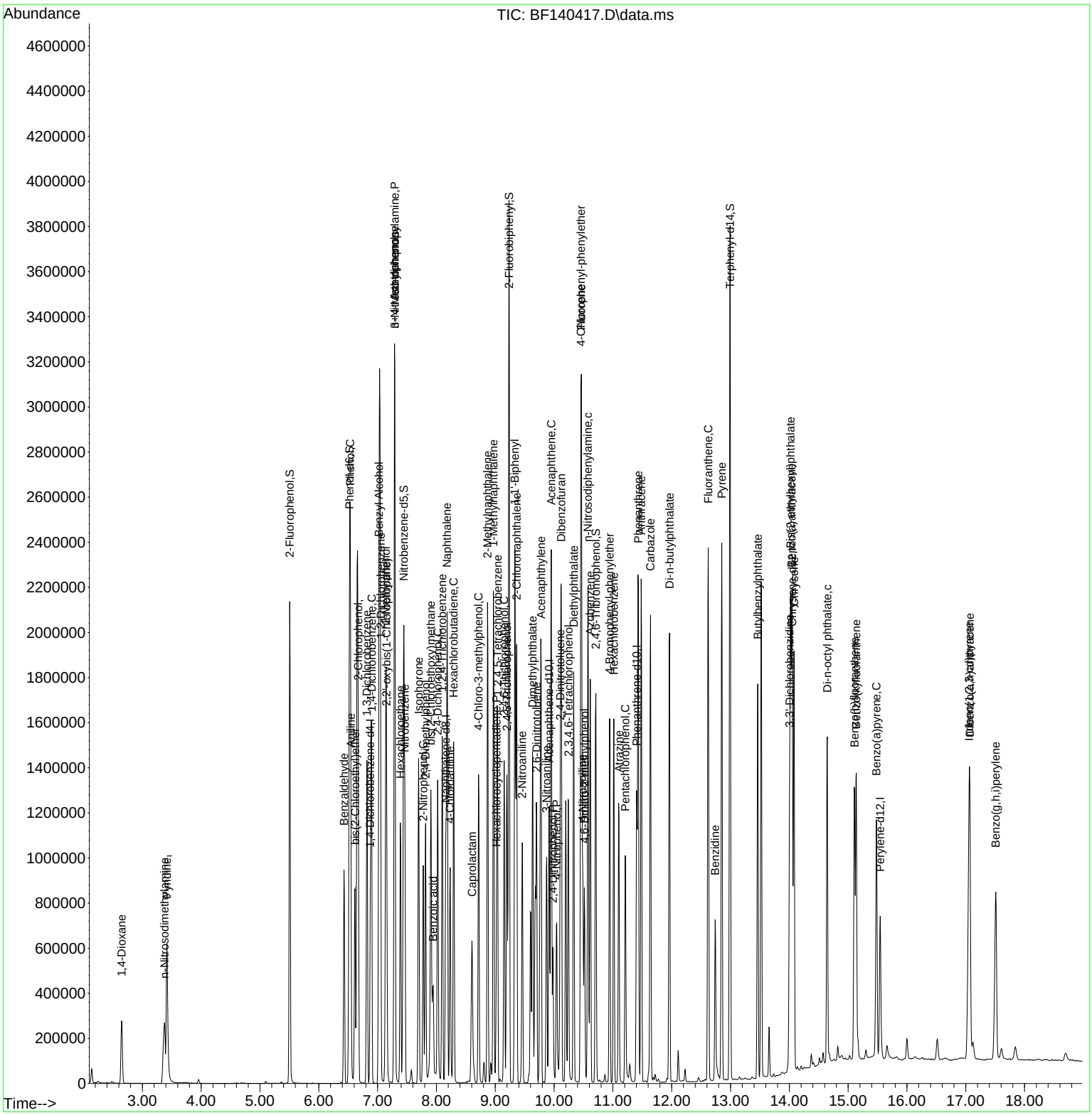
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140417.D
Acq On : 16 Nov 2024 09:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 18 00:04:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



Sample Results: **BF140417.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140417.D
Acq On : 16 Nov 2024 09:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 18 00:04:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	117	0.00
2		1,4-Dioxane	0.522	0.504	3.4	114	0.01
3		Pyridine	1.283	1.248	2.7	111	0.01
4		n-Nitrosodimethylamine	0.649	0.627	3.4	111	0.02
5	S	2-Fluorophenol	1.171	1.149	1.9	116	0.01
6		Aniline	1.381	1.179	14.6	95	0.00
7	S	Phenol-d6	1.587	1.530	3.6	111	0.02
8		2-Chlorophenol	1.258	1.242	1.3	115	0.00
9		Benzaldehyde	0.951	0.802	15.7	105	0.00
10	C	Phenol	1.674	1.580	5.6	107	0.01
11		bis(2-Chloroethyl)ether	1.268	1.238	2.4	114	0.00
12		1,3-Dichlorobenzene	1.388	1.393	-0.4	118	0.00
13	C	1,4-Dichlorobenzene	1.408	1.376	2.3	115	0.00
14		1,2-Dichlorobenzene	1.307	1.292	1.1	116	0.00
15		Benzyl Alcohol	1.143	1.128	1.3	109	0.00
16		2,2'-oxybis(1-Chloropropane	1.752	1.611	8.0	103	0.00
17		2-Methylphenol	1.035	0.999	3.5	109	0.01
18		Hexachloroethane	0.520	0.509	2.1	115	0.00
19	P	n-Nitroso-di-n-propylamine	0.959	0.896	6.6	106	0.00
20		3+4-Methylphenols	1.294	1.228	5.1	106	0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	109	0.00
22		Acetophenone	0.465	0.454	2.4	110	0.00
23	S	Nitrobenzene-d5	0.384	0.376	2.1	109	0.00
24		Nitrobenzene	0.400	0.390	2.5	108	0.00
25		Isophorone	0.680	0.662	2.6	107	0.00
26	C	2-Nitrophenol	0.177	0.182	-2.8	111	0.00
27		2,4-Dimethylphenol	0.227	0.228	-0.4	111	0.00
28		bis(2-Chloroethoxy)methane	0.417	0.412	1.2	110	0.00
29	C	2,4-Dichlorophenol	0.281	0.277	1.4	109	0.00
30		1,2,4-Trichlorobenzene	0.312	0.310	0.6	112	0.00
31		Naphthalene	1.015	1.001	1.4	111	0.00
32		Benzoic acid	0.200	0.226	-13.0	116	0.02
33		4-Chloroaniline	0.353	0.308	12.7	98	0.00
34	C	Hexachlorobutadiene	0.199	0.197	1.0	111	0.00
35		Caprolactam	0.093	0.096	-3.2	113	0.00
36	C	4-Chloro-3-methylphenol	0.311	0.311	0.0	109	0.01
37		2-Methylnaphthalene	0.651	0.639	1.8	110	0.00
38		1-Methylnaphthalene	0.637	0.626	1.7	109	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	109	0.00
40		1,2,4,5-Tetrachlorobenzene	0.553	0.544	1.6	112	0.00
41	P	Hexachlorocyclopentadiene	0.142	0.131	7.7	102	0.00
42	S	2,4,6-Tribromophenol	0.199	0.198	0.5	112	0.00
43	C	2,4,6-Trichlorophenol	0.363	0.356	1.9	108	0.00
44		2,4,5-Trichlorophenol	0.397	0.394	0.8	111	0.01
45	S	2-Fluorobiphenyl	1.244	1.185	4.7	110	0.00
46		1,1'-Biphenyl	1.455	1.398	3.9	109	0.00
47		2-Chloronaphthalene	1.108	1.068	3.6	109	0.00

Sample Results: **BF140417.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140417.D
Acq On : 16 Nov 2024 09:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 18 00:04:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.368	0.361	1.9	108	0.00
49		Acenaphthylene	1.677	1.620	3.4	108	0.00
50		Dimethylphthalate	1.304	1.271	2.5	110	0.00
51		2,6-Dinitrotoluene	0.297	0.294	1.0	108	0.00
52	C	Acenaphthene	1.133	1.097	3.2	109	0.00
53		3-Nitroaniline	0.312	0.297	4.8	104	0.00
54	P	2,4-Dinitrophenol	0.153	0.163	-6.5	120	0.00
55		Dibenzofuran	1.603	1.546	3.6	108	0.00
56	P	4-Nitrophenol	0.228	0.221	3.1	102	0.02
57		2,4-Dinitrotoluene	0.391	0.391	0.0	110	0.00
58		Fluorene	1.267	1.222	3.6	111	0.00
59		2,3,4,6-Tetrachlorophenol	0.313	0.317	-1.3	109	0.00
60		Diethylphthalate	1.333	1.311	1.7	111	0.00
61		4-Chlorophenyl-phenylether	0.625	0.608	2.7	110	0.00
62		4-Nitroaniline	0.319	0.319	0.0	109	0.00
63		Azobenzene	1.317	1.252	4.9	106	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	109	0.00
65		4,6-Dinitro-2-methylphenol	0.108	0.118	-9.3	119	0.00
66	c	n-Nitrosodiphenylamine	0.578	0.561	2.9	110	0.00
67		4-Bromophenyl-phenylether	0.200	0.198	1.0	112	0.00
68		Hexachlorobenzene	0.225	0.224	0.4	112	0.00
69		Atrazine	0.175	0.153	12.6	116	0.00
70	C	Pentachlorophenol	0.121	0.122	-0.8	105	0.00
71		Phenanthrene	0.940	0.898	4.5	109	0.00
72		Anthracene	0.921	0.890	3.4	110	0.00
73		Carbazole	0.909	0.878	3.4	110	0.00
74		Di-n-butylphthalate	1.091	1.089	0.2	111	0.00
75	C	Fluoranthene	1.054	1.013	3.9	109	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	100	0.00
77		Benzidine	0.768	0.521	32.2#	80	0.00
78		Pyrene	1.711	1.804	-5.4	108	0.00
79	S	Terphenyl-d14	1.152	1.194	-3.6	107	0.00
80		Butylbenzylphthalate	0.657	0.725	-10.4	106	0.00
81		Benzo(a)anthracene	1.314	1.329	-1.1	106	0.00
82		3,3'-Dichlorobenzidine	0.418	0.396	5.3	99	0.00
83		Chrysene	1.199	1.120	6.6	96	0.00
84		Bis(2-ethylhexyl)phthalate	0.877	0.958	-9.2	104	0.00
85	c	Di-n-octyl phthalate	1.235	1.274	-3.2	99	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	104	-0.01
87		Indeno(1,2,3-cd)pyrene	1.235	1.265	-2.4	105	0.00
88		Benzo(b)fluoranthene	1.308	1.209	7.6	100	0.00
89		Benzo(k)fluoranthene	1.069	1.063	0.6	105	-0.01
90	C	Benzo(a)pyrene	1.016	0.999	1.7	104	-0.01
91		Dibenzo(a,h)anthracene	1.021	1.050	-2.8	106	0.00
92		Benzo(g,h,i)perylene	1.044	1.054	-1.0	104	0.00

Sample Results: **BF140417.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140417.D
Acq On : 16 Nov 2024 09:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 18 00:04:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BF140417.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140417.D
Acq On : 16 Nov 2024 09:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 18 00:04:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	117	0.00
2		1,4-Dioxane	40.000	38.608	3.5	114	0.01
3		Pyridine	40.000	38.903	2.7	111	0.01
4		n-Nitrosodimethylamine	40.000	38.679	3.3	111	0.02
5	S	2-Fluorophenol	80.000	78.454	1.9	116	0.01
6		Aniline	40.000	34.173	14.6	95	0.00
7	S	Phenol-d6	80.000	77.144	3.6	111	0.02
8		2-Chlorophenol	40.000	39.489	1.3	115	0.00
9		Benzaldehyde	40.000	33.734	15.7	105	0.00
10	C	Phenol	40.000	37.755	5.6	107	0.01
11		bis(2-Chloroethyl)ether	40.000	39.048	2.4	114	0.00
12		1,3-Dichlorobenzene	40.000	40.148	-0.4	118	0.00
13	C	1,4-Dichlorobenzene	40.000	39.091	2.3	115	0.00
14		1,2-Dichlorobenzene	40.000	39.548	1.1	116	0.00
15		Benzyl Alcohol	40.000	39.455	1.4	109	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	36.798	8.0	103	0.00
17		2-Methylphenol	40.000	38.591	3.5	109	0.01
18		Hexachloroethane	40.000	39.154	2.1	115	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	37.372	6.6	106	0.00
20		3+4-Methylphenols	40.000	37.942	5.1	106	0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	109	0.00
22		Acetophenone	40.000	39.001	2.5	110	0.00
23	S	Nitrobenzene-d5	80.000	78.395	2.0	109	0.00
24		Nitrobenzene	40.000	39.081	2.3	108	0.00
25		Isophorone	40.000	38.928	2.7	107	0.00
26	C	2-Nitrophenol	40.000	41.139	-2.8	111	0.00
27		2,4-Dimethylphenol	40.000	40.141	-0.4	111	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.459	1.4	110	0.00
29	C	2,4-Dichlorophenol	40.000	39.458	1.4	109	0.00
30		1,2,4-Trichlorobenzene	40.000	39.752	0.6	112	0.00
31		Naphthalene	40.000	39.453	1.4	111	0.00
32		Benzoic acid	40.000	45.304	-13.3	116	0.02
33		4-Chloroaniline	40.000	34.870	12.8	98	0.00
34	C	Hexachlorobutadiene	40.000	39.687	0.8	111	0.00
35		Caprolactam	40.000	41.008	-2.5	113	0.00
36	C	4-Chloro-3-methylphenol	40.000	39.981	0.0	109	0.01
37		2-Methylnaphthalene	40.000	39.301	1.7	110	0.00
38		1-Methylnaphthalene	40.000	39.279	1.8	109	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	109	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.350	1.6	112	0.00
41	P	Hexachlorocyclopentadiene	40.000	36.835	7.9	102	0.00
42	S	2,4,6-Tribromophenol	80.000	79.764	0.3	112	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.230	1.9	108	0.00
44		2,4,5-Trichlorophenol	40.000	39.696	0.8	111	0.01
45	S	2-Fluorobiphenyl	80.000	76.179	4.8	110	0.00
46		1,1'-Biphenyl	40.000	38.433	3.9	109	0.00
47		2-Chloronaphthalene	40.000	38.553	3.6	109	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140417.D
Acq On : 16 Nov 2024 09:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 18 00:04:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	39.329	1.7	108	0.00
49		Acenaphthylene	40.000	38.643	3.4	108	0.00
50		Dimethylphthalate	40.000	39.001	2.5	110	0.00
51		2,6-Dinitrotoluene	40.000	39.596	1.0	108	0.00
52	C	Acenaphthene	40.000	38.745	3.1	109	0.00
53		3-Nitroaniline	40.000	38.075	4.8	104	0.00
54	P	2,4-Dinitrophenol	40.000	42.441	-6.1	120	0.00
55		Dibenzofuran	40.000	38.569	3.6	108	0.00
56	P	4-Nitrophenol	40.000	38.806	3.0	102	0.02
57		2,4-Dinitrotoluene	40.000	40.012	-0.0	110	0.00
58		Fluorene	40.000	38.581	3.5	111	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.529	-1.3	109	0.00
60		Diethylphthalate	40.000	39.351	1.6	111	0.00
61		4-Chlorophenyl-phenylether	40.000	38.886	2.8	110	0.00
62		4-Nitroaniline	40.000	40.025	-0.1	109	0.00
63		Azobenzene	40.000	38.024	4.9	106	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	109	0.00
65		4,6-Dinitro-2-methylphenol	40.000	43.912	-9.8	119	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.802	3.0	110	0.00
67		4-Bromophenyl-phenylether	40.000	39.654	0.9	112	0.00
68		Hexachlorobenzene	40.000	39.812	0.5	112	0.00
69		Atrazine	40.000	35.023	12.4	116	0.00
70	C	Pentachlorophenol	40.000	40.271	-0.7	105	0.00
71		Phenanthrene	40.000	38.224	4.4	109	0.00
72		Anthracene	40.000	38.679	3.3	110	0.00
73		Carbazole	40.000	38.618	3.5	110	0.00
74		Di-n-butylphthalate	40.000	39.934	0.2	111	0.00
75	C	Fluoranthene	40.000	38.456	3.9	109	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	100	0.00
77		Benzidine	40.000	27.139	32.2#	80	0.00
78		Pyrene	40.000	42.188	-5.5	108	0.00
79	S	Terphenyl-d14	80.000	82.901	-3.6	107	0.00
80		Butylbenzylphthalate	40.000	44.155	-10.4	106	0.00
81		Benzo(a)anthracene	40.000	40.455	-1.1	106	0.00
82		3,3'-Dichlorobenzidine	40.000	37.880	5.3	99	0.00
83		Chrysene	40.000	37.339	6.7	96	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	43.706	-9.3	104	0.00
85	c	Di-n-octyl phthalate	40.000	41.261	-3.2	99	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	104	-0.01
87		Indeno(1,2,3-cd)pyrene	40.000	40.946	-2.4	105	0.00
88		Benzo(b)fluoranthene	40.000	36.971	7.6	100	0.00
89		Benzo(k)fluoranthene	40.000	39.773	0.6	105	-0.01
90	C	Benzo(a)pyrene	40.000	39.340	1.6	104	-0.01
91		Dibenzo(a,h)anthracene	40.000	41.141	-2.9	106	0.00
92		Benzo(g,h,i)perylene	40.000	40.399	-1.0	104	0.00

Sample Results: **BF140417.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140417.D
Acq On : 16 Nov 2024 09:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 18 00:04:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG No.: P4852

Instrument ID: BNA_F Calibration Date/Time: 11/19/2024 10:34

Lab File ID: BF140463.D Init. Calib. Date(s): 11/13/2024 11/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 12:48

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.171	1.209		3.2	
Phenol-d6	1.587	1.607		1.3	
Nitrobenzene-d5	0.384	0.393		2.3	
Isophorone	0.680	0.671		-1.3	
Naphthalene	1.015	1.055		3.9	
2-Fluorobiphenyl	1.244	1.257		1.0	
Fluorene	1.267	1.293		2.1	
2,4,6-Tribromophenol	0.199	0.209		5.0	
Phenanthrene	0.940	0.946		0.6	
Anthracene	0.921	0.941		2.2	
Pyrene	1.711	1.689		-1.3	
Terphenyl-d14	1.152	1.112		-3.5	
Benzo(a)anthracene	1.314	1.336		1.7	
Chrysene	1.199	1.224		2.1	
Benzo(b)fluoranthene	1.308	1.249		-4.5	
Benzo(a)pyrene	1.016	1.051		3.4	20.0
Benzo(g,h,i)perylene	1.044	1.009		-3.4	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140463.D
Acq On : 19 Nov 2024 10:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Nov 19 11:22:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	137275	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	502770	20.000	ng		0.00
39) Acenaphthene-d10	9.910	164	278131	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	524892	20.000	ng		0.00
76) Chrysene-d12	14.069	240	344697	20.000	ng		0.02
86) Perylene-d12	15.592	264	292973	20.000	ng		0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.499	112	663687	82.547	ng		0.00
7) Phenol-d6	6.516	99	882242	80.992	ng		0.01
23) Nitrobenzene-d5	7.440	82	789635	81.831	ng		0.00
42) 2,4,6-Tribromophenol	10.704	330	232026	83.891	ng		0.00
45) 2-Fluorobiphenyl	9.228	172	1398671	80.841	ng		0.00
79) Terphenyl-d14	12.986	244	1533801	77.238	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.628	88	152430	42.537	ng		98
3) Pyridine	3.399	79	359179	40.771	ng		99
4) n-Nitrosodimethylamine	3.352	42	178202	40.024	ng		99
6) Aniline	6.540	93	306329	32.327	ng	#	71
8) 2-Chlorophenol	6.663	128	355312	41.140	ng		99
9) Benzaldehyde	6.428	77	379695	58.159	ng		98
10) Phenol	6.528	94	456762	39.761	ng		92
11) bis(2-Chloroethyl)ether	6.610	93	360291	41.393	ng		99
12) 1,3-Dichlorobenzene	6.816	146	390276	40.956	ng		99
13) 1,4-Dichlorobenzene	6.893	146	394580	40.837	ng		99
14) 1,2-Dichlorobenzene	7.045	146	367478	40.968	ng		99
15) Benzyl Alcohol	7.016	79	304617	38.814	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	446921	37.173	ng		74
17) 2-Methylphenol	7.134	107	291201	40.987	ng		95
18) Hexachloroethane	7.381	117	143667	40.220	ng		97
19) n-Nitroso-di-n-propyla...	7.287	70	248549	37.779	ng		98
20) 3+4-Methylphenols	7.287	107	353697	39.808	ng		98
22) Acetophenone	7.281	105	481461	41.174	ng		98
24) Nitrobenzene	7.457	77	414561	41.263	ng		99
25) Isophorone	7.693	82	674821	39.459	ng		99
26) 2-Nitrophenol	7.769	139	189812	42.574	ng		99
27) 2,4-Dimethylphenol	7.810	122	238623m	41.806	ng		
28) bis(2-Chloroethoxy)met...	7.898	93	424967	40.525	ng		99
29) 2,4-Dichlorophenol	8.016	162	296033	41.966	ng		99
30) 1,2,4-Trichlorobenzene	8.092	180	324154	41.274	ng		99
31) Naphthalene	8.175	128	1061104	41.604	ng		100
32) Benzoic acid	7.928	122	207129	41.240	ng		97
33) 4-Chloroaniline	8.228	127	318018	35.854	ng		99
34) Hexachlorobutadiene	8.292	225	203622	40.692	ng		99
35) Caprolactam	8.592	113	97929	41.768	ng		95
36) 4-Chloro-3-methylphenol	8.710	107	322814	41.294	ng		99
37) 2-Methylnaphthalene	8.863	142	668387	40.870	ng		99
38) 1-Methylnaphthalene	8.963	142	651311	40.670	ng		99
40) 1,2,4,5-Tetrachloroben...	9.034	216	316136	41.103	ng		100
41) Hexachlorocyclopentadiene	9.016	237	70522	35.712	ng		99
43) 2,4,6-Trichlorophenol	9.145	196	209058	41.418	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140463.D
Acq On : 19 Nov 2024 10:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Nov 19 11:22:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

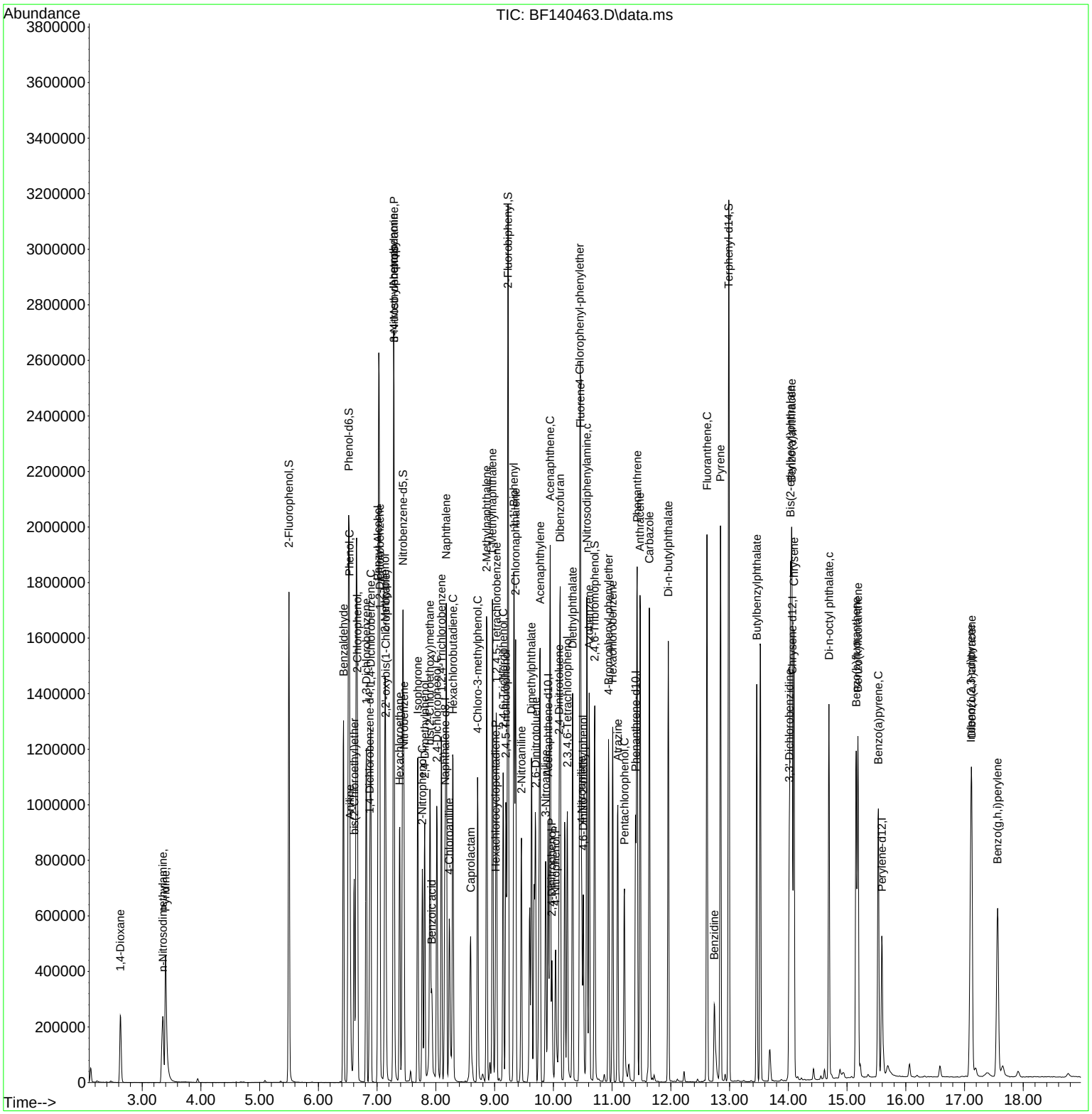
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	233420	42.298	ng	98
46) 1,1'-Biphenyl	9.328	154	828742	40.958	ng	100
47) 2-Chloronaphthalene	9.357	162	628499	40.776	ng	99
48) 2-Nitroaniline	9.457	65	211034	41.284	ng	99
49) Acenaphthylene	9.775	152	976764	41.884	ng	99
50) Dimethylphthalate	9.628	163	728603	40.190	ng	100
51) 2,6-Dinitrotoluene	9.698	165	173335	41.940	ng	96
52) Acenaphthene	9.945	154	653976	41.519	ng	99
53) 3-Nitroaniline	9.869	138	179320	41.315	ng	100
54) 2,4-Dinitrophenol	9.975	184	87533	41.071	ng	99
55) Dibenzofuran	10.116	168	923161	41.402	ng	99
56) 4-Nitrophenol	10.039	139	127604	40.306	ng	96
57) 2,4-Dinitrotoluene	10.098	165	229473	42.188	ng	99
58) Fluorene	10.463	166	719198	40.829	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	185022	42.462	ng	97
60) Diethylphthalate	10.328	149	731254	39.447	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	348055	40.023	ng	98
62) 4-Nitroaniline	10.481	138	181282	40.848	ng	98
63) Azobenzene	10.610	77	725554	39.612	ng	99
65) 4,6-Dinitro-2-methylph...	10.510	198	122672	43.438	ng	99
66) n-Nitrosodiphenylamine	10.569	169	617738	40.732	ng	100
67) 4-Bromophenyl-phenylether	10.939	248	213790	40.746	ng	100
68) Hexachlorobenzene	11.010	284	242463	41.071	ng	98
69) Atrazine	11.098	200	172031	37.493	ng	98
70) Pentachlorophenol	11.210	266	130516	41.043	ng	99
71) Phenanthrene	11.428	178	993168	40.279	ng	100
72) Anthracene	11.475	178	987613	40.869	ng	99
73) Carbazole	11.633	167	986550	41.346	ng	100
74) Di-n-butylphthalate	11.957	149	1126435	39.333	ng	100
75) Fluoranthene	12.616	202	1134677	41.018	ng	100
77) Benzidine	12.739	184	245364	18.546	ng	99
78) Pyrene	12.845	202	1164175	39.484	ng	100
80) Butylbenzylphthalate	13.463	149	461408	40.737	ng	97
81) Benzo(a)anthracene	14.057	228	921068	40.657	ng	100
82) 3,3'-Dichlorobenzidine	14.016	252	269822	37.472	ng	99
83) Chrysene	14.098	228	844108	40.837	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	618382	40.903	ng	99
85) Di-n-octyl phthalate	14.692	149	917056	43.070	ng	99
87) Indeno(1,2,3-cd)pyrene	17.110	276	708078	39.125	ng	99
88) Benzo(b)fluoranthene	15.157	252	731617	38.175	ng	99
89) Benzo(k)fluoranthene	15.186	252	699688	44.690	ng	99
90) Benzo(a)pyrene	15.533	252	615860	41.381	ng	99
91) Dibenzo(a,h)anthracene	17.121	278	586294	39.192	ng	99
92) Benzo(g,h,i)perylene	17.562	276	591110	38.651	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140463.D
Acq On : 19 Nov 2024 10:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Nov 19 11:22:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration



Sample Results: **BF140463.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140463.D
Acq On : 19 Nov 2024 10:34
Operator : RC/JU
Sample : SSTDCCC040
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ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 19 11:22:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
2		1,4-Dioxane	0.522	0.555	-6.3	101	0.00
3		Pyridine	1.283	1.308	-1.9	93	0.00
4		n-Nitrosodimethylamine	0.649	0.649	0.0	92	0.00
5	S	2-Fluorophenol	1.171	1.209	-3.2	98	0.00
6		Aniline	1.381	1.116	19.2	72	0.00
7	S	Phenol-d6	1.587	1.607	-1.3	93	0.01
8		2-Chlorophenol	1.258	1.294	-2.9	96	0.00
9		Benzaldehyde	0.951	1.383	-45.4#	145	0.00
10	C	Phenol	1.674	1.664	0.6	90	0.00
11		bis(2-Chloroethyl)ether	1.268	1.312	-3.5	97	0.00
12		1,3-Dichlorobenzene	1.388	1.422	-2.4	97	0.00
13	C	1,4-Dichlorobenzene	1.408	1.437	-2.1	96	0.00
14		1,2-Dichlorobenzene	1.307	1.338	-2.4	96	0.00
15		Benzyl Alcohol	1.143	1.110	2.9	85	0.00
16		2,2'-oxybis(1-Chloropropane	1.752	1.628	7.1	84	0.00
17		2-Methylphenol	1.035	1.061	-2.5	93	0.00
18		Hexachloroethane	0.520	0.523	-0.6	95	-0.01
19	P	n-Nitroso-di-n-propylamine	0.959	0.905	5.6	86	0.00
20		3+4-Methylphenols	1.294	1.288	0.5	89	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	85	0.00
22		Acetophenone	0.465	0.479	-3.0	91	0.00
23	S	Nitrobenzene-d5	0.384	0.393	-2.3	89	0.00
24		Nitrobenzene	0.400	0.412	-3.0	90	0.00
25		Isophorone	0.680	0.671	1.3	85	0.00
26	C	2-Nitrophenol	0.177	0.189	-6.8	90	0.00
27		2,4-Dimethylphenol	0.227	0.237	-4.4	91	0.00
28		bis(2-Chloroethoxy)methane	0.417	0.423	-1.4	89	0.00
29	C	2,4-Dichlorophenol	0.281	0.294	-4.6	91	0.00
30		1,2,4-Trichlorobenzene	0.312	0.322	-3.2	91	0.00
31		Naphthalene	1.015	1.055	-3.9	92	0.00
32		Benzoic acid	0.200	0.206	-3.0	83	0.00
33		4-Chloroaniline	0.353	0.316	10.5	79	0.00
34	C	Hexachlorobutadiene	0.199	0.203	-2.0	89	0.00
35		Caprolactam	0.093	0.097	-4.3	90	0.00
36	C	4-Chloro-3-methylphenol	0.311	0.321	-3.2	89	0.00
37		2-Methylnaphthalene	0.651	0.665	-2.2	90	0.00
38		1-Methylnaphthalene	0.637	0.648	-1.7	88	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	83	0.00
40		1,2,4,5-Tetrachlorobenzene	0.553	0.568	-2.7	89	0.00
41	P	Hexachlorocyclopentadiene	0.142	0.127	10.6	76	0.00
42	S	2,4,6-Tribromophenol	0.199	0.209	-5.0	90	0.00
43	C	2,4,6-Trichlorophenol	0.363	0.376	-3.6	87	0.00
44		2,4,5-Trichlorophenol	0.397	0.420	-5.8	90	0.00
45	S	2-Fluorobiphenyl	1.244	1.257	-1.0	89	0.00
46		1,1'-Biphenyl	1.455	1.490	-2.4	88	0.00
47		2-Chloronaphthalene	1.108	1.130	-2.0	88	0.00

Sample Results: **BF140463.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140463.D
Acq On : 19 Nov 2024 10:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 19 11:22:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.368	0.379	-3.0	87	0.00
49		Acenaphthylene	1.677	1.756	-4.7	89	0.00
50		Dimethylphthalate	1.304	1.310	-0.5	86	0.00
51		2,6-Dinitrotoluene	0.297	0.312	-5.1	87	0.00
52	C	Acenaphthene	1.133	1.176	-3.8	89	0.00
53		3-Nitroaniline	0.312	0.322	-3.2	86	0.00
54	P	2,4-Dinitrophenol	0.153	0.157	-2.6	89	0.00
55		Dibenzofuran	1.603	1.660	-3.6	89	0.00
56	P	4-Nitrophenol	0.228	0.229	-0.4	81	0.02
57		2,4-Dinitrotoluene	0.391	0.413	-5.6	89	0.00
58		Fluorene	1.267	1.293	-2.1	89	0.00
59		2,3,4,6-Tetrachlorophenol	0.313	0.333	-6.4	87	0.00
60		Diethylphthalate	1.333	1.315	1.4	85	0.00
61		4-Chlorophenyl-phenylether	0.625	0.626	-0.2	86	0.00
62		4-Nitroaniline	0.319	0.326	-2.2	85	0.00
63		Azobenzene	1.317	1.304	1.0	84	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	84	0.00
65		4,6-Dinitro-2-methylphenol	0.108	0.117	-8.3	90	0.00
66	c	n-Nitrosodiphenylamine	0.578	0.588	-1.7	88	0.00
67		4-Bromophenyl-phenylether	0.200	0.204	-2.0	88	0.00
68		Hexachlorobenzene	0.225	0.231	-2.7	89	0.00
69		Atrazine	0.175	0.164	6.3	95	0.00
70	C	Pentachlorophenol	0.121	0.124	-2.5	82	0.00
71		Phenanthrene	0.940	0.946	-0.6	87	0.00
72		Anthracene	0.921	0.941	-2.2	88	0.00
73		Carbazole	0.909	0.940	-3.4	90	0.00
74		Di-n-butylphthalate	1.091	1.073	1.6	83	0.00
75	C	Fluoranthene	1.054	1.081	-2.6	89	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	89	0.02
77		Benzidine	0.768	0.356	53.6#	49#	0.00
78		Pyrene	1.711	1.689	1.3	90	0.00
79	S	Terphenyl-d14	1.152	1.112	3.5	88	0.00
80		Butylbenzylphthalate	0.657	0.669	-1.8	87	0.00
81		Benzo(a)anthracene	1.314	1.336	-1.7	94	0.02
82		3,3'-Dichlorobenzidine	0.418	0.391	6.5	87	0.02
83		Chrysene	1.199	1.224	-2.1	94	0.02
84		Bis(2-ethylhexyl)phthalate	0.877	0.897	-2.3	86	0.02
85	c	Di-n-octyl phthalate	1.235	1.330	-7.7	92	0.03
86	I	Perylene-d12	1.000	1.000	0.0	91	0.04
87		Indeno(1,2,3-cd)pyrene	1.235	1.208	2.2	87	0.05
88		Benzo(b)fluoranthene	1.308	1.249	4.5	90	0.04
89		Benzo(k)fluoranthene	1.069	1.194	-11.7	102	0.04
90	C	Benzo(a)pyrene	1.016	1.051	-3.4	95	0.04
91		Dibenzo(a,h)anthracene	1.021	1.001	2.0	87	0.05
92		Benzo(g,h,i)perylene	1.044	1.009	3.4	86	0.05

Sample Results: **BF140463.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140463.D
Acq On : 19 Nov 2024 10:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 19 11:22:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BF140463.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140463.D
Acq On : 19 Nov 2024 10:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 19 11:22:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	93	0.00
2		1,4-Dioxane	40.000	42.537	-6.3	101	0.00
3		Pyridine	40.000	40.771	-1.9	93	0.00
4		n-Nitrosodimethylamine	40.000	40.024	-0.1	92	0.00
5	S	2-Fluorophenol	80.000	82.547	-3.2	98	0.00
6		Aniline	40.000	32.327	19.2	72	0.00
7	S	Phenol-d6	80.000	80.992	-1.2	93	0.01
8		2-Chlorophenol	40.000	41.140	-2.9	96	0.00
9		Benzaldehyde	40.000	58.159	-45.4#	145	0.00
10	C	Phenol	40.000	39.761	0.6	90	0.00
11		bis(2-Chloroethyl)ether	40.000	41.393	-3.5	97	0.00
12		1,3-Dichlorobenzene	40.000	40.956	-2.4	97	0.00
13	C	1,4-Dichlorobenzene	40.000	40.837	-2.1	96	0.00
14		1,2-Dichlorobenzene	40.000	40.968	-2.4	96	0.00
15		Benzyl Alcohol	40.000	38.814	3.0	85	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.173	7.1	84	0.00
17		2-Methylphenol	40.000	40.987	-2.5	93	0.00
18		Hexachloroethane	40.000	40.220	-0.5	95	-0.01
19	P	n-Nitroso-di-n-propylamine	40.000	37.779	5.6	86	0.00
20		3+4-Methylphenols	40.000	39.808	0.5	89	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	85	0.00
22		Acetophenone	40.000	41.174	-2.9	91	0.00
23	S	Nitrobenzene-d5	80.000	81.831	-2.3	89	0.00
24		Nitrobenzene	40.000	41.263	-3.2	90	0.00
25		Isophorone	40.000	39.459	1.4	85	0.00
26	C	2-Nitrophenol	40.000	42.574	-6.4	90	0.00
27		2,4-Dimethylphenol	40.000	41.806	-4.5	91	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.525	-1.3	89	0.00
29	C	2,4-Dichlorophenol	40.000	41.966	-4.9	91	0.00
30		1,2,4-Trichlorobenzene	40.000	41.274	-3.2	91	0.00
31		Naphthalene	40.000	41.604	-4.0	92	0.00
32		Benzoic acid	40.000	41.240	-3.1	83	0.00
33		4-Chloroaniline	40.000	35.854	10.4	79	0.00
34	C	Hexachlorobutadiene	40.000	40.692	-1.7	89	0.00
35		Caprolactam	40.000	41.768	-4.4	90	0.00
36	C	4-Chloro-3-methylphenol	40.000	41.294	-3.2	89	0.00
37		2-Methylnaphthalene	40.000	40.870	-2.2	90	0.00
38		1-Methylnaphthalene	40.000	40.670	-1.7	88	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	83	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	41.103	-2.8	89	0.00
41	P	Hexachlorocyclopentadiene	40.000	35.712	10.7	76	0.00
42	S	2,4,6-Tribromophenol	80.000	83.891	-4.9	90	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.418	-3.5	87	0.00
44		2,4,5-Trichlorophenol	40.000	42.298	-5.7	90	0.00
45	S	2-Fluorobiphenyl	80.000	80.841	-1.1	89	0.00
46		1,1'-Biphenyl	40.000	40.958	-2.4	88	0.00
47		2-Chloronaphthalene	40.000	40.776	-1.9	88	0.00

Sample Results: **BF140463.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140463.D
Acq On : 19 Nov 2024 10:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 19 11:22:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	41.284	-3.2	87	0.00
49		Acenaphthylene	40.000	41.884	-4.7	89	0.00
50		Dimethylphthalate	40.000	40.190	-0.5	86	0.00
51		2,6-Dinitrotoluene	40.000	41.940	-4.8	87	0.00
52	C	Acenaphthene	40.000	41.519	-3.8	89	0.00
53		3-Nitroaniline	40.000	41.315	-3.3	86	0.00
54	P	2,4-Dinitrophenol	40.000	41.071	-2.7	89	0.00
55		Dibenzofuran	40.000	41.402	-3.5	89	0.00
56	P	4-Nitrophenol	40.000	40.306	-0.8	81	0.02
57		2,4-Dinitrotoluene	40.000	42.188	-5.5	89	0.00
58		Fluorene	40.000	40.829	-2.1	89	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.462	-6.2	87	0.00
60		Diethylphthalate	40.000	39.447	1.4	85	0.00
61		4-Chlorophenyl-phenylether	40.000	40.023	-0.1	86	0.00
62		4-Nitroaniline	40.000	40.848	-2.1	85	0.00
63		Azobenzene	40.000	39.612	1.0	84	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	84	0.00
65		4,6-Dinitro-2-methylphenol	40.000	43.438	-8.6	90	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.732	-1.8	88	0.00
67		4-Bromophenyl-phenylether	40.000	40.746	-1.9	88	0.00
68		Hexachlorobenzene	40.000	41.071	-2.7	89	0.00
69		Atrazine	40.000	37.493	6.3	95	0.00
70	C	Pentachlorophenol	40.000	41.043	-2.6	82	0.00
71		Phenanthrene	40.000	40.279	-0.7	87	0.00
72		Anthracene	40.000	40.869	-2.2	88	0.00
73		Carbazole	40.000	41.346	-3.4	90	0.00
74		Di-n-butylphthalate	40.000	39.333	1.7	83	0.00
75	C	Fluoranthene	40.000	41.018	-2.5	89	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	89	0.02
77		Benzidine	40.000	18.546	53.6#	49	0.00
78		Pyrene	40.000	39.484	1.3	90	0.00
79	S	Terphenyl-d14	80.000	77.238	3.5	88	0.00
80		Butylbenzylphthalate	40.000	40.737	-1.8	87	0.00
81		Benzo(a)anthracene	40.000	40.657	-1.6	94	0.02
82		3,3'-Dichlorobenzidine	40.000	37.472	6.3	87	0.02
83		Chrysene	40.000	40.837	-2.1	94	0.02
84		Bis(2-ethylhexyl)phthalate	40.000	40.903	-2.3	86	0.02
85	c	Di-n-octyl phthalate	40.000	43.070	-7.7	92	0.03
86	I	Perylene-d12	20.000	20.000	0.0	91	0.04
87		Indeno(1,2,3-cd)pyrene	40.000	39.125	2.2	87	0.05
88		Benzo(b)fluoranthene	40.000	38.175	4.6	90	0.04
89		Benzo(k)fluoranthene	40.000	44.690	-11.7	102	0.04
90	C	Benzo(a)pyrene	40.000	41.381	-3.5	95	0.04
91		Dibenzo(a,h)anthracene	40.000	39.192	2.0	87	0.05
92		Benzo(g,h,i)perylene	40.000	38.651	3.4	86	0.05

Sample Results: **BF140463.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140463.D
Acq On : 19 Nov 2024 10:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 19 11:22:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

QC SAMPLE DATA

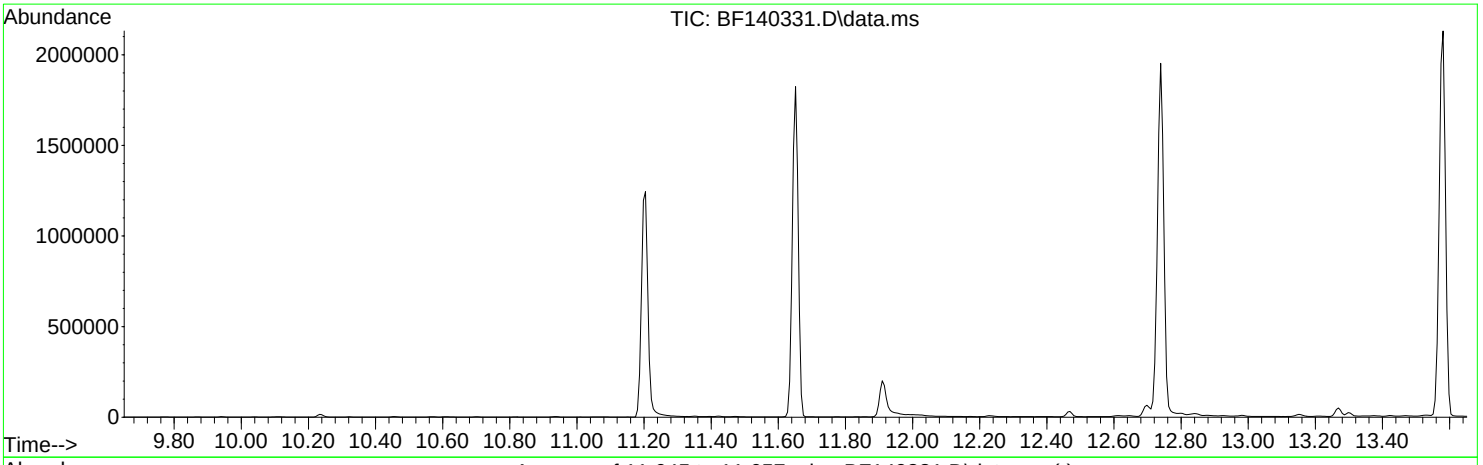
Sample Results: **BF140331.D**

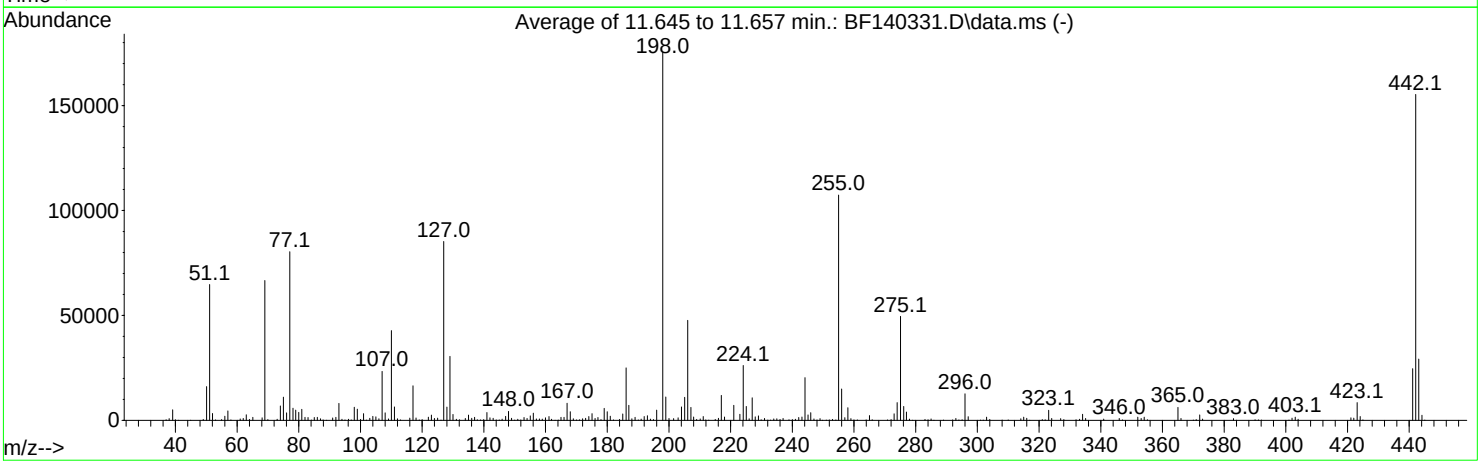
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140331.D
Acq On : 13 Nov 2024 08:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 13 14:40:06 2024





AutoFind: Scans 1624, 1625, 1626; Background Corrected with Scan 1617

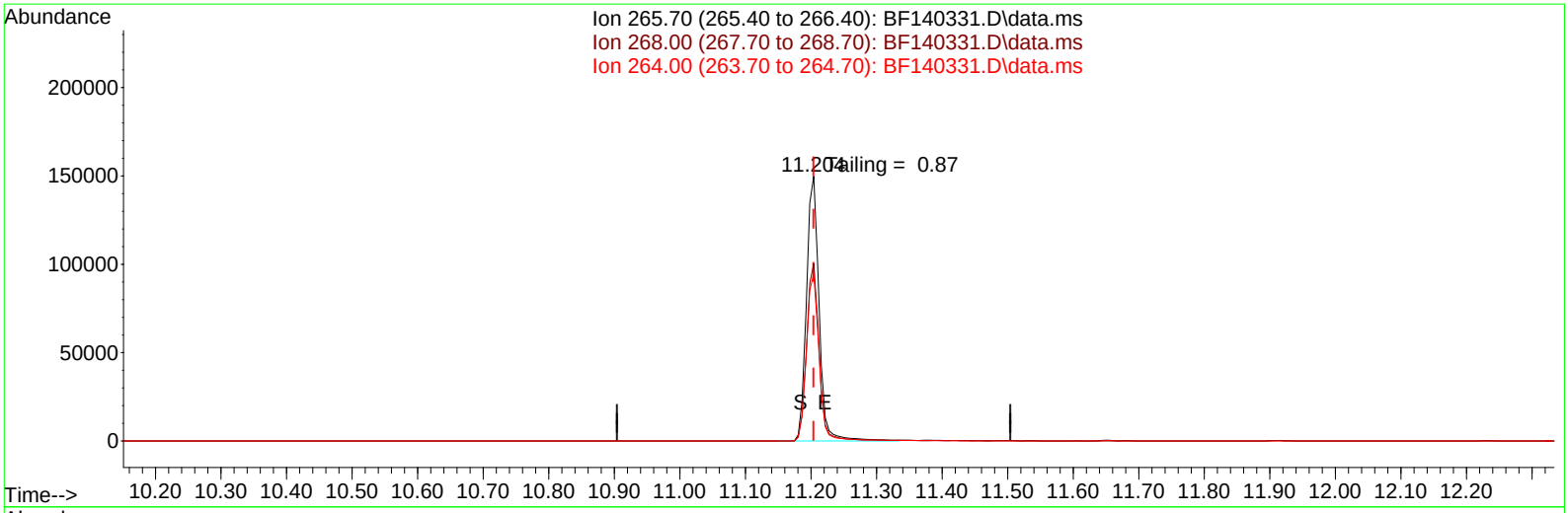
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	36.9	64757	PASS
68	69	0.00	2	1.8	1226	PASS
69	198	0.00	100	38.0	66677	PASS
70	69	0.00	2	0.6	372	PASS
127	198	10	80	48.6	85245	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	175296	PASS
199	198	5	9	6.4	11148	PASS
275	198	10	60	28.3	49536	PASS
365	198	1	100	3.5	6203	PASS
441	198	0.01	100	14.0	24595	PASS
442	442	50	100	100.0	155288	PASS
443	442	15	24	18.8	29203	PASS

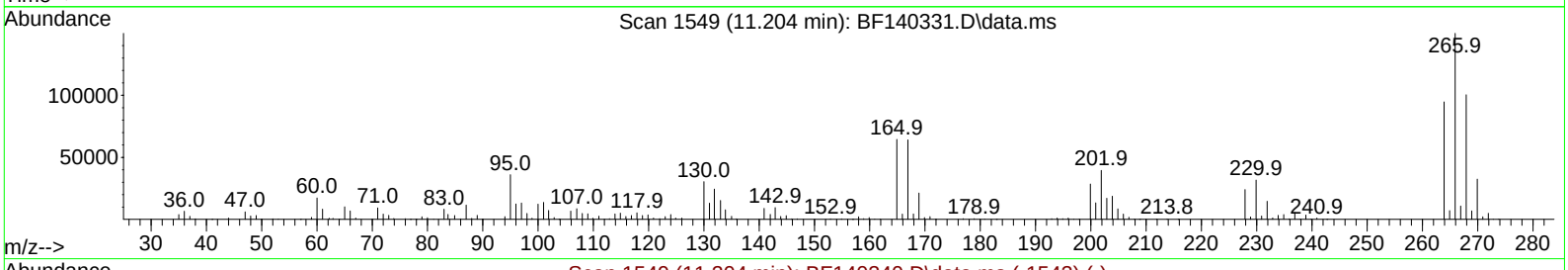
Sample Results: **BF140331.D**

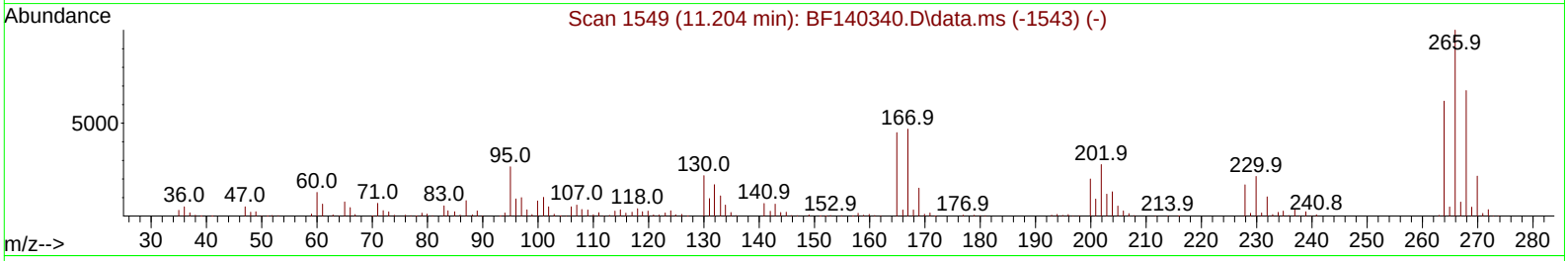
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140331.D
Acq On : 13 Nov 2024 08:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 13 14:44:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration







TIC: BF140331.D\data.ms

(70) Pentachlorophenol (C)

11.204min (0.000) 23118.21 ng

response 201406

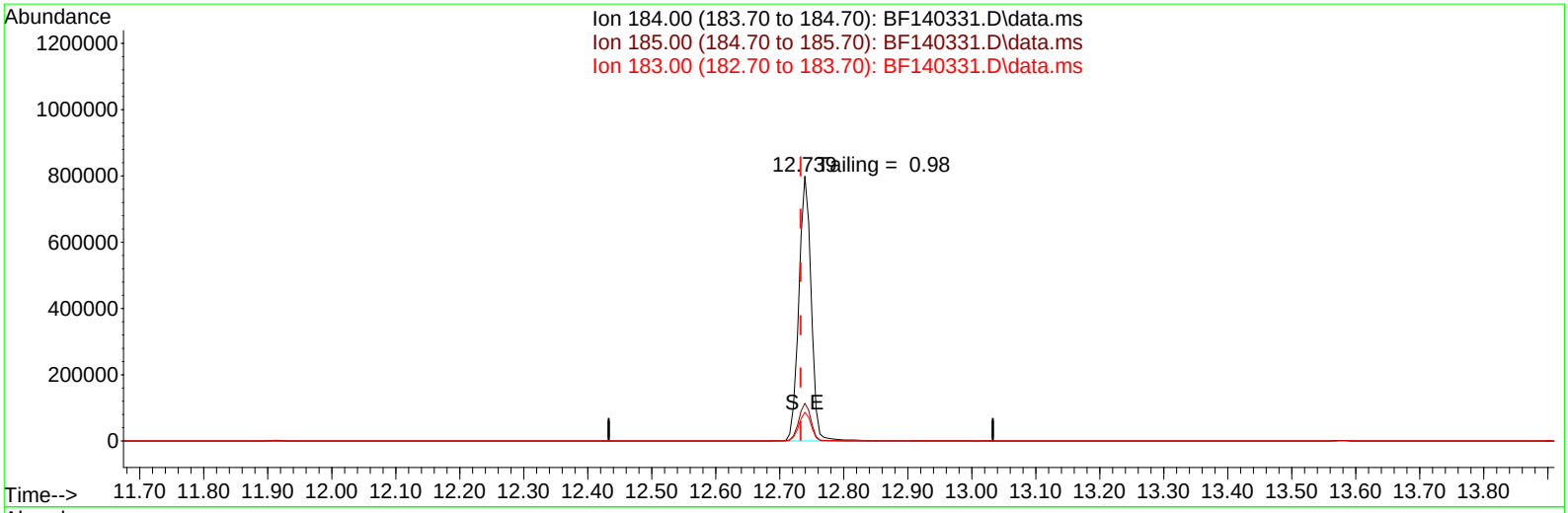
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	66.10	67.05
264.00	62.90	63.20
0.00	0.00	0.00

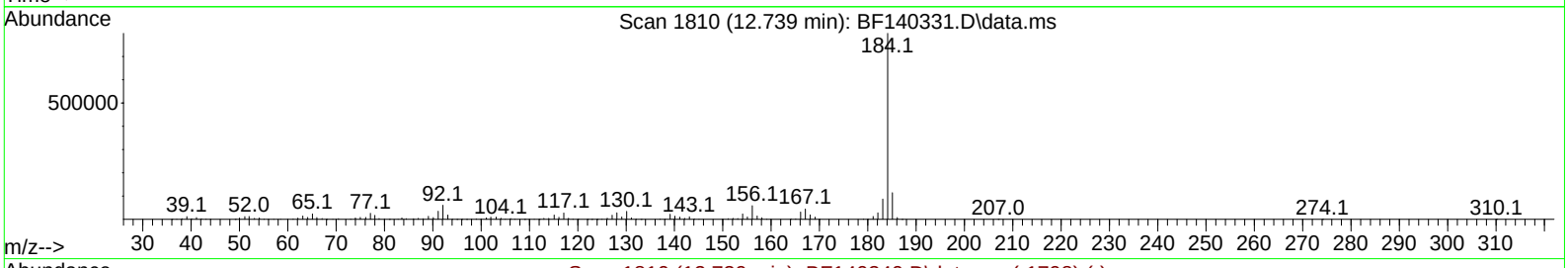
Sample Results: **BF140331.D**

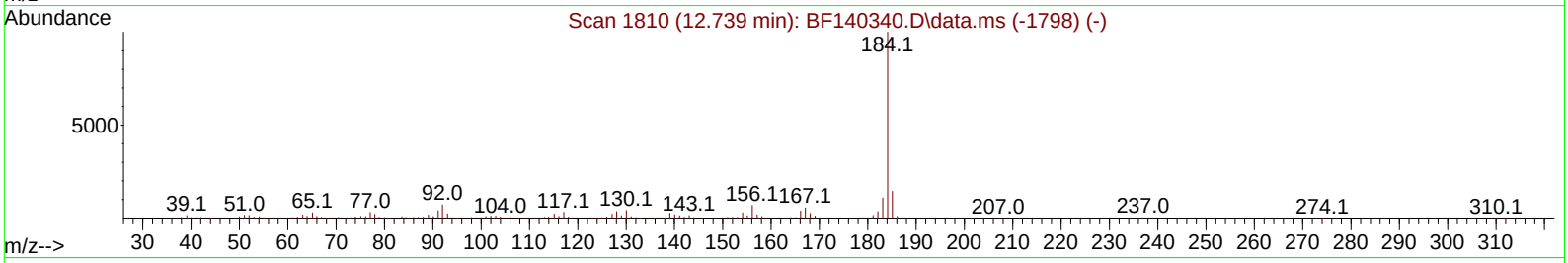
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140331.D
Acq On : 13 Nov 2024 08:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 13 14:44:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration







TIC: BF140331.D\data.ms

(77) Benzidine

12.739min (+ 0.006) 47514.94 ng

response 1075955

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.29
183.00	10.80	10.88
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/13/2024	BNA_F	BF140331.D
Compound Name	**Response**	**Retention Time**
DDT	544964	13.58
DDD	17817	13.269
DDE	776	12.927
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
18593	563557	3.30

Instrument :
BNA_F
ClientSampleId :
DFTPP

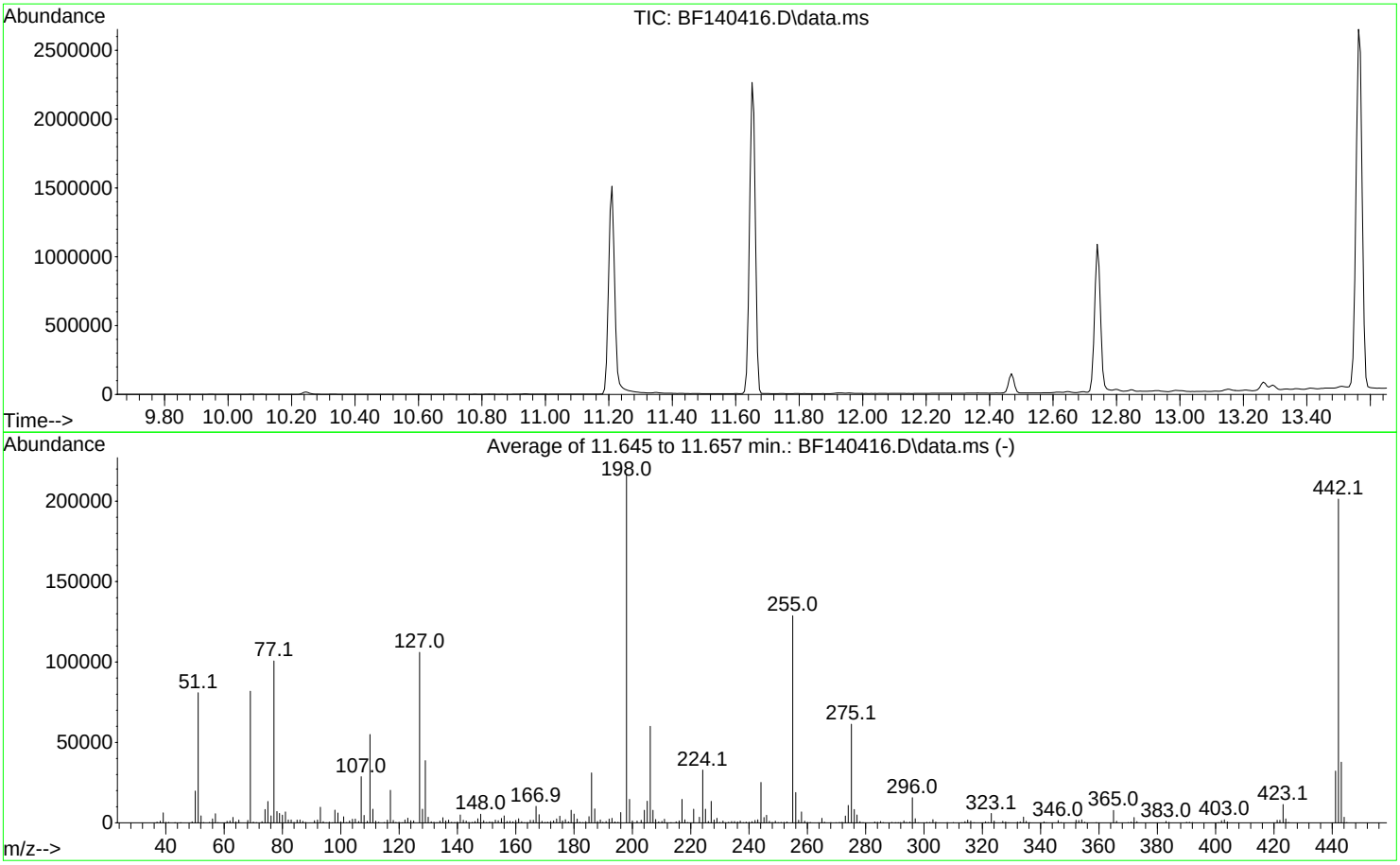
Sample Results: **BF140416.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140416.D
Acq On : 16 Nov 2024 09:08
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 13 14:40:06 2024



AutoFind: Scans 1624, 1625, 1626; Background Corrected with Scan 1618

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	37.4	80915	PASS
68	69	0.00	2	1.8	1489	PASS
69	198	0.00	100	37.8	81809	PASS
70	69	0.00	2	0.6	505	PASS
127	198	10	80	49.0	106000	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	216277	PASS
199	198	5	9	6.8	14609	PASS
275	198	10	60	28.4	61384	PASS
365	198	1	100	3.6	7757	PASS
441	198	0.01	100	14.9	32184	PASS
442	442	50	100	100.0	201331	PASS
443	442	15	24	18.7	37749	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/16/2024	BNA_F	BF140416.D
Compound Name	**Response**	**Retention Time**
DDT	686763	13.563
DDD	22519	13.263
DDE	2035	12.927
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
24554	711317	3.45

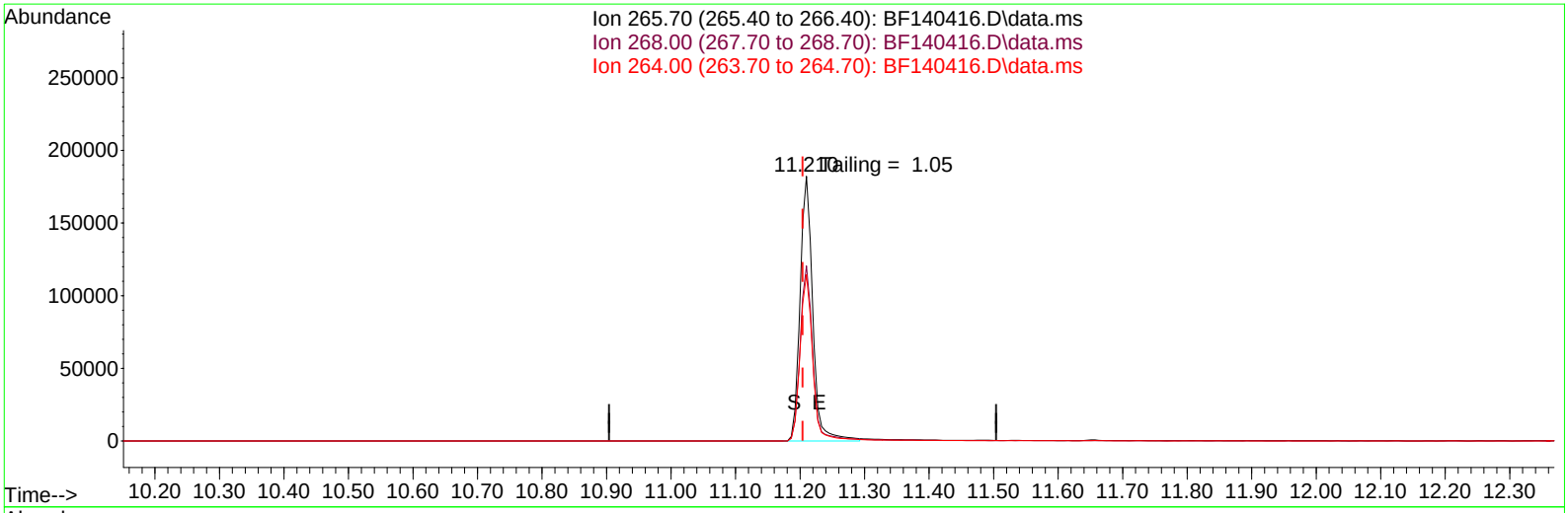
Instrument :
BNA_F
ClientSampleId :
DFTPP

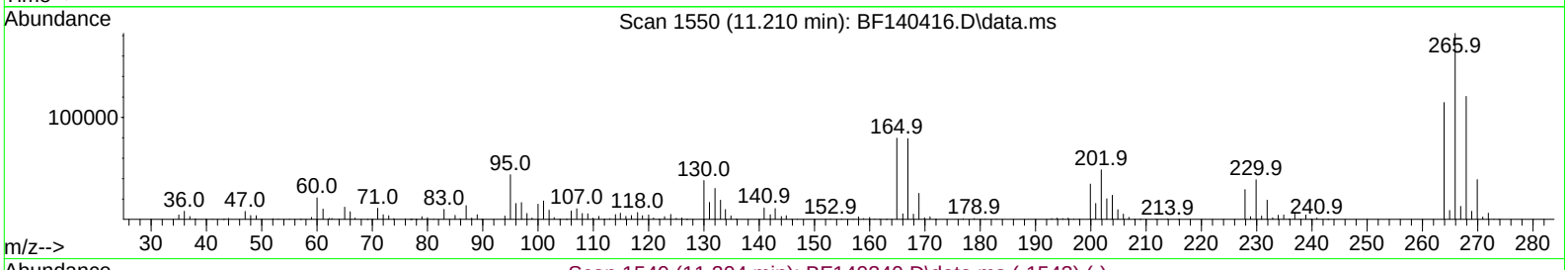
Sample Results: **BF140416.D**

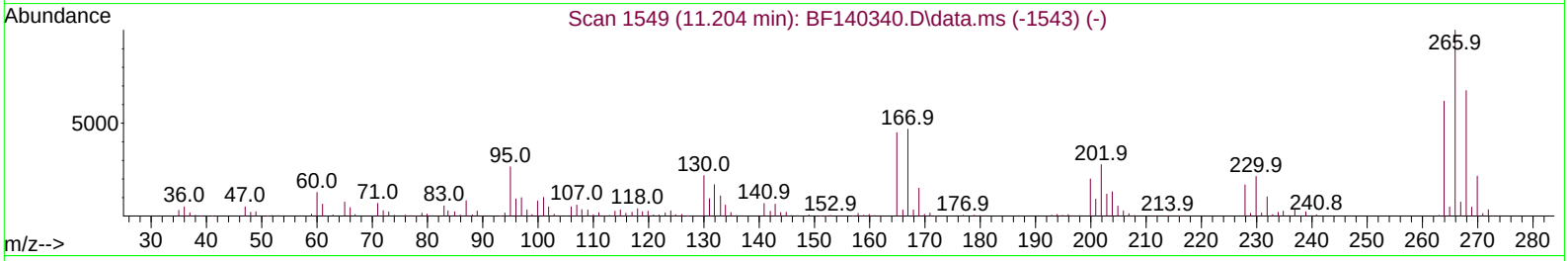
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140416.D
Acq On : 16 Nov 2024 09:08
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 18 00:20:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration







TIC: BF140416.D\data.ms

(70) Pentachlorophenol (C)

11.210min (+ 0.006) 65679.46 ng

response 253869

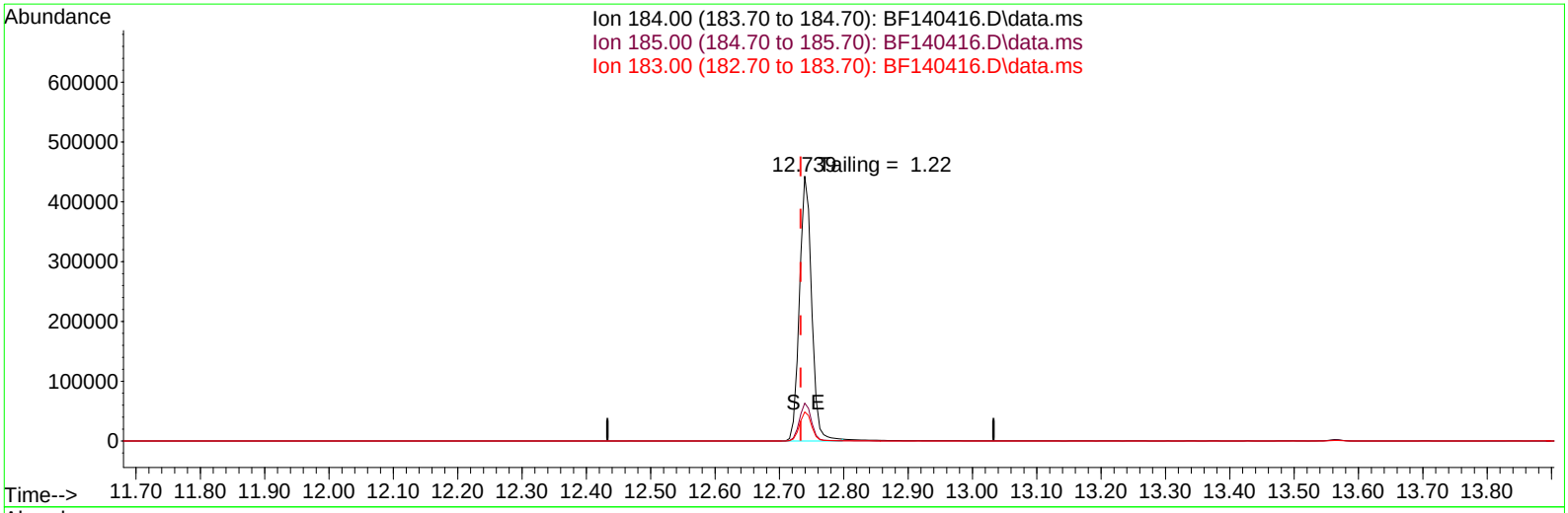
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	66.10	66.15
264.00	62.90	62.81
0.00	0.00	0.00

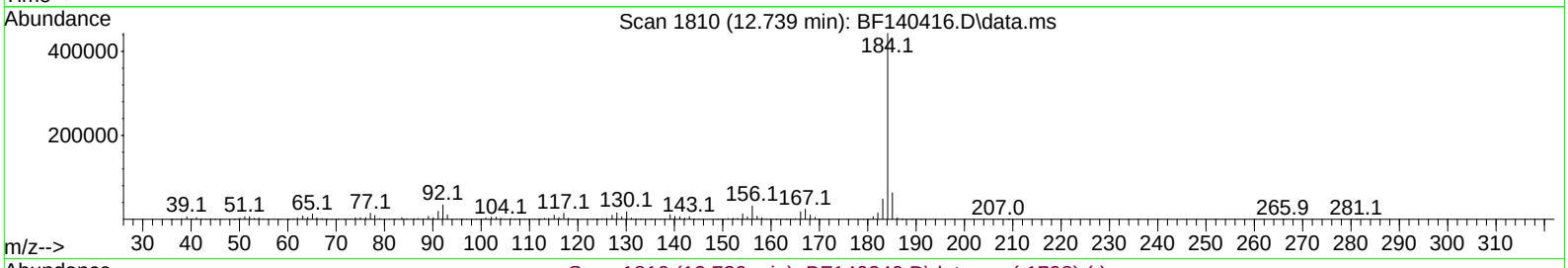
Sample Results: **BF140416.D**

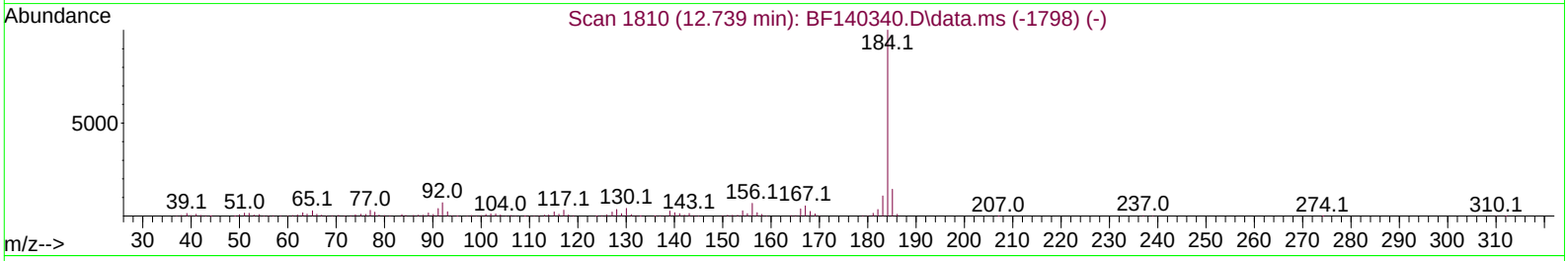
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140416.D
Acq On : 16 Nov 2024 09:08
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 18 00:20:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration







TIC: BF140416.D\data.ms

(77) Benzidine

12.739min (+ 0.006) 10148.88 ng

response 590902

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.33
183.00	10.80	11.00
0.00	0.00	0.00

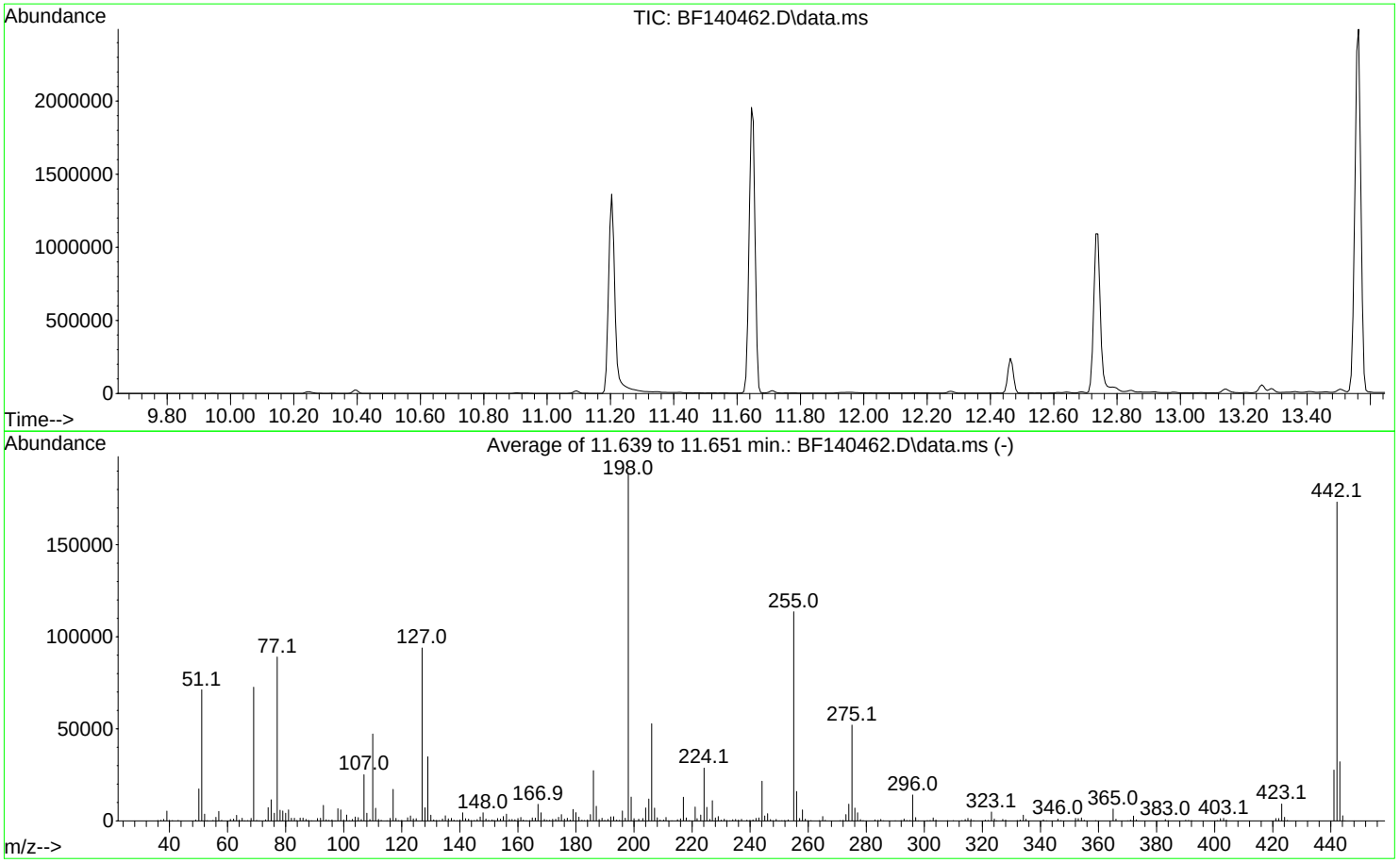
Sample Results: **BF140462.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140462.D
Acq On : 19 Nov 2024 09:32
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 13 14:40:06 2024



AutoFind: Scans 1623, 1624, 1625; Background Corrected with Scan 1617

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	37.8	71237	PASS
68	69	0.00	2	1.9	1395	PASS
69	198	0.00	100	38.6	72669	PASS
70	69	0.00	2	0.5	372	PASS
127	198	10	80	49.9	93997	PASS
197	198	0.00	2	0.8	1518	PASS
198	198	100	100	100.0	188480	PASS
199	198	5	9	6.9	12968	PASS
275	198	10	60	27.6	52024	PASS
365	198	1	100	3.4	6457	PASS
441	198	0.01	100	14.7	27643	PASS
442	442	50	100	100.0	173237	PASS
443	442	15	24	18.5	32109	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/19/2024	BNA_F	BF140462.D
Compound Name	**Response**	**Retention Time**
DDT	652325	13.563
DDD	19967	13.257
DDE	1626	12.921
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
21593	673918	3.20

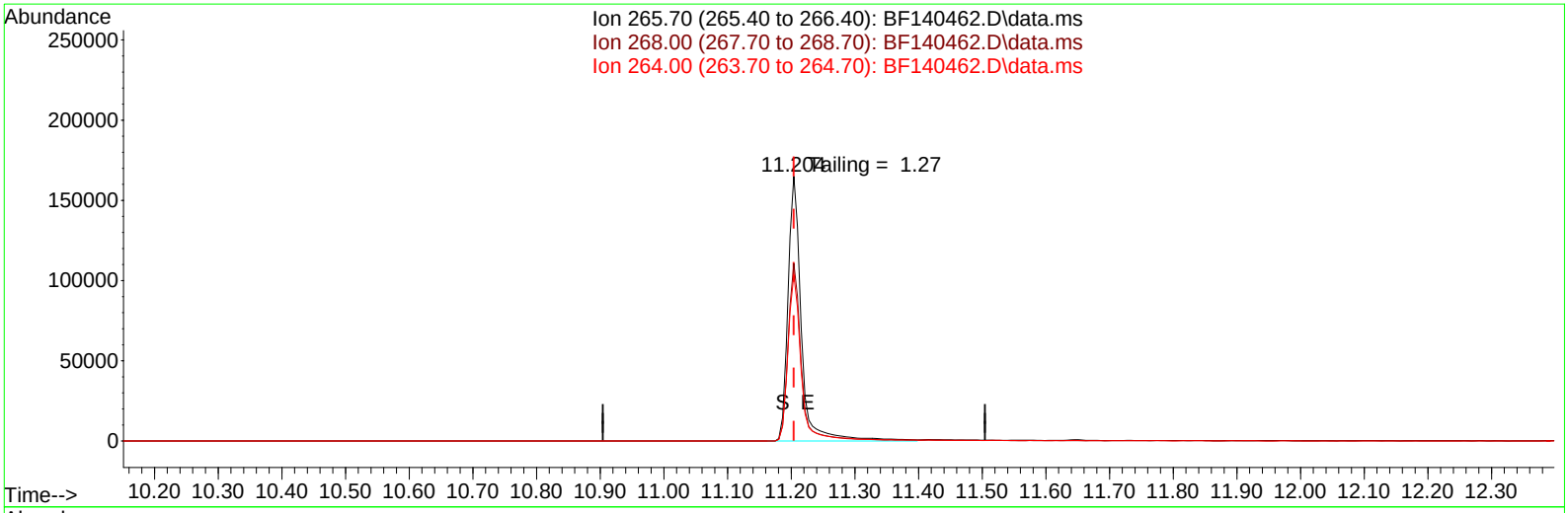
Instrument :
BNA_F
ClientSampleId :
DFTPP

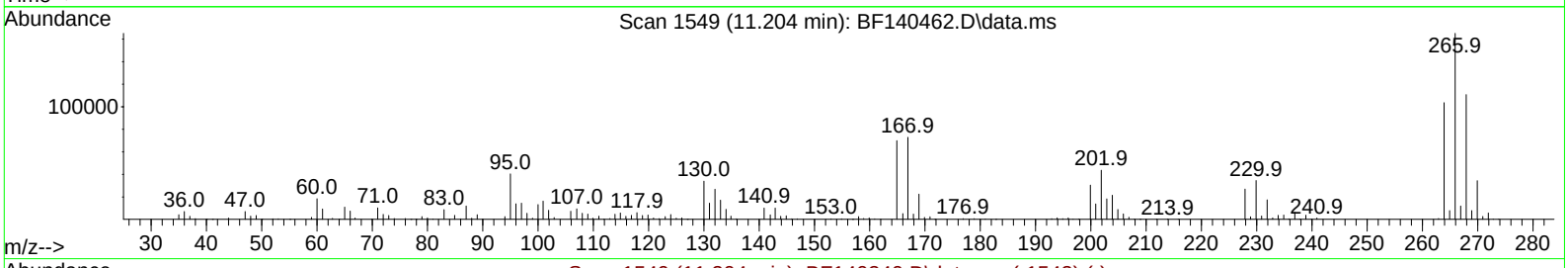
Sample Results: **BF140462.D**

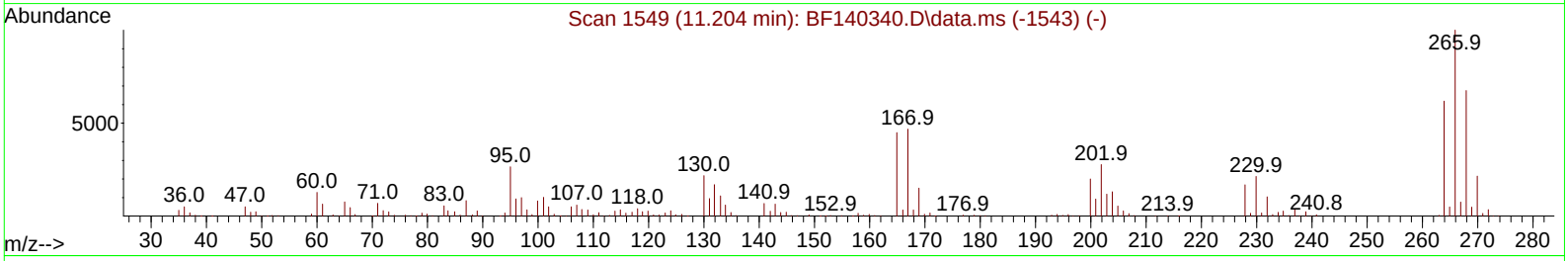
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140462.D
Acq On : 19 Nov 2024 09:32
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 19 11:21:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration







TIC: BF140462.D\data.ms

(70) Pentachlorophenol (C)

11.204min (-0.000) 47510.91 ng

response 242650

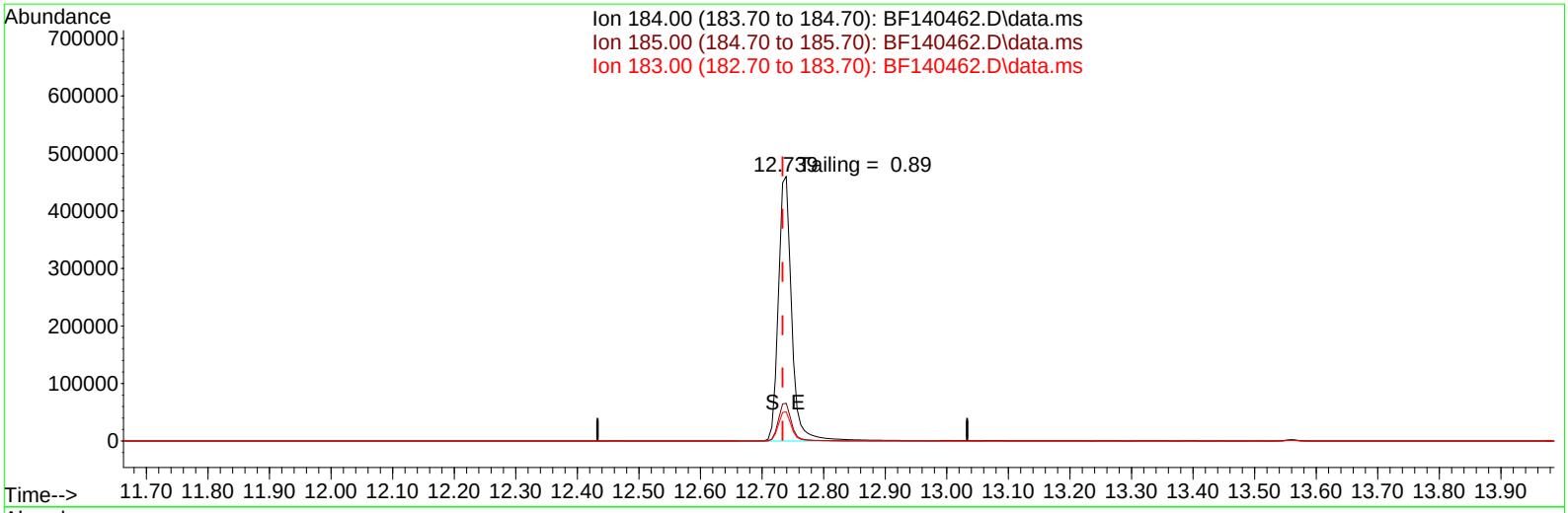
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	66.10	67.06
264.00	62.90	62.78
0.00	0.00	0.00

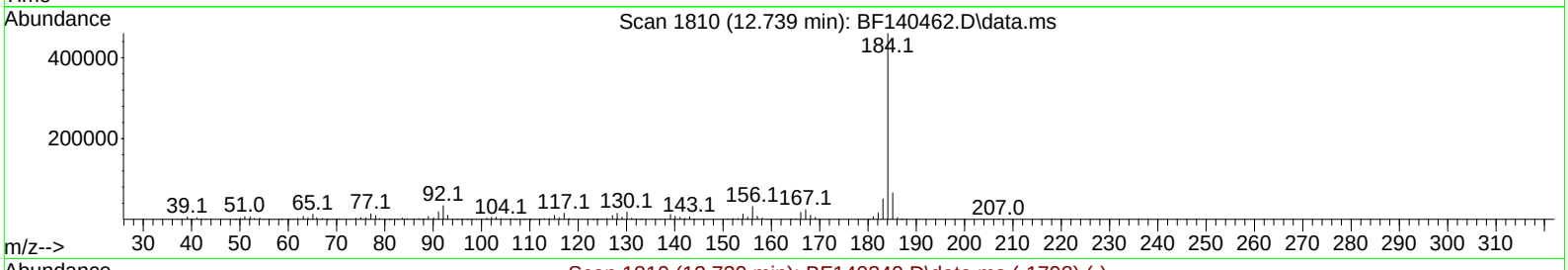
Sample Results: **BF140462.D**

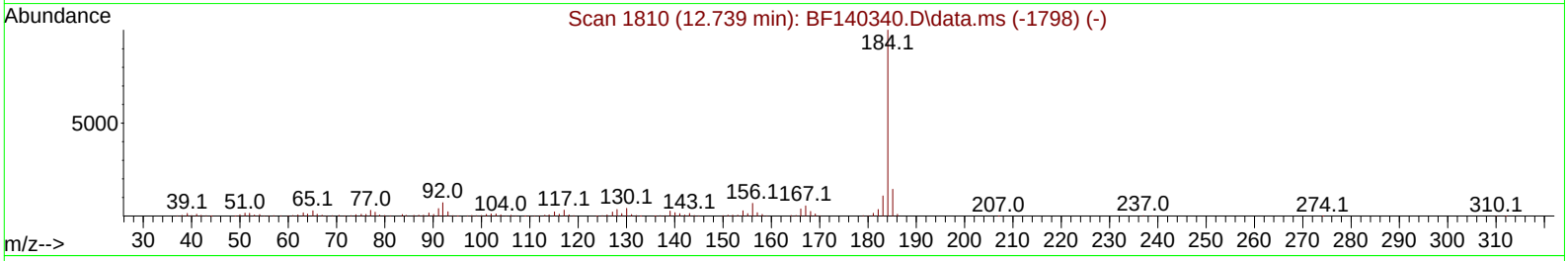
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140462.D
Acq On : 19 Nov 2024 09:32
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 19 11:21:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration







TIC: BF140462.D\data.ms

(77) Benzidine

12.739min (+ 0.006) 17553.50 ng

response 697294

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.26
183.00	10.80	11.01
0.00	0.00	0.00

Raw Data: **BF140418.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder			Date Collected:	
Project:	Webster School			Date Received:	
Client Sample ID:	PB164993BL			SDG No.:	P4852
Lab Sample ID:	PB164993BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140418.D	1	11/15/24 09:30	11/16/24 10:02	PB164993

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
78-59-1	Isophorone	84.6	U	84.6	170	ug/Kg
91-20-3	Naphthalene	82.6	U	82.6	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	170	ug/Kg
85-01-8	Phenanthrene	84.0	U	84.0	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	170	ug/Kg
129-00-0	Pyrene	83.0	U	83.0	170	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	170	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	170	ug/Kg
50-32-8	Benzo(a)pyrene	93.0	U	93.0	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	170	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	82.1		18 - 107	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.1		20 - 109	82%	SPK: 100
1718-51-0	Terphenyl-d14	82.8		10 - 105	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	168000	6.875			
1146-65-2	Naphthalene-d8	642000	8.151			
15067-26-2	Acenaphthene-d10	366000	9.91			
1517-22-2	Phenanthrene-d10	717000	11.404			
1719-03-5	Chrysene-d12	477000	14.051			
1520-96-3	Perylene-d12	394000	15.551			

Raw Data: **BF140418.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder			Date Collected:			
Project:	Webster School			Date Received:			
Client Sample ID:	PB164993BL			SDG No.:	P4852		
Lab Sample ID:	PB164993BL			Matrix:	SOIL		
Analytical Method:	SW8270			% Solid:	100		
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000		uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1		
Extraction Type :			Decanted : N	Level :	LOW		
Injection Volume :			GPC Factor : 1.0	GPC Cleanup :	N	PH :	
Prep Method :	SW3541						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140418.D	1	11/15/24 09:30	11/16/24 10:02	PB164993

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140418.D
Acq On : 16 Nov 2024 10:02
Operator : RC/JU
Sample : PB164993BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164993BL

Quant Time: Nov 18 00:04:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

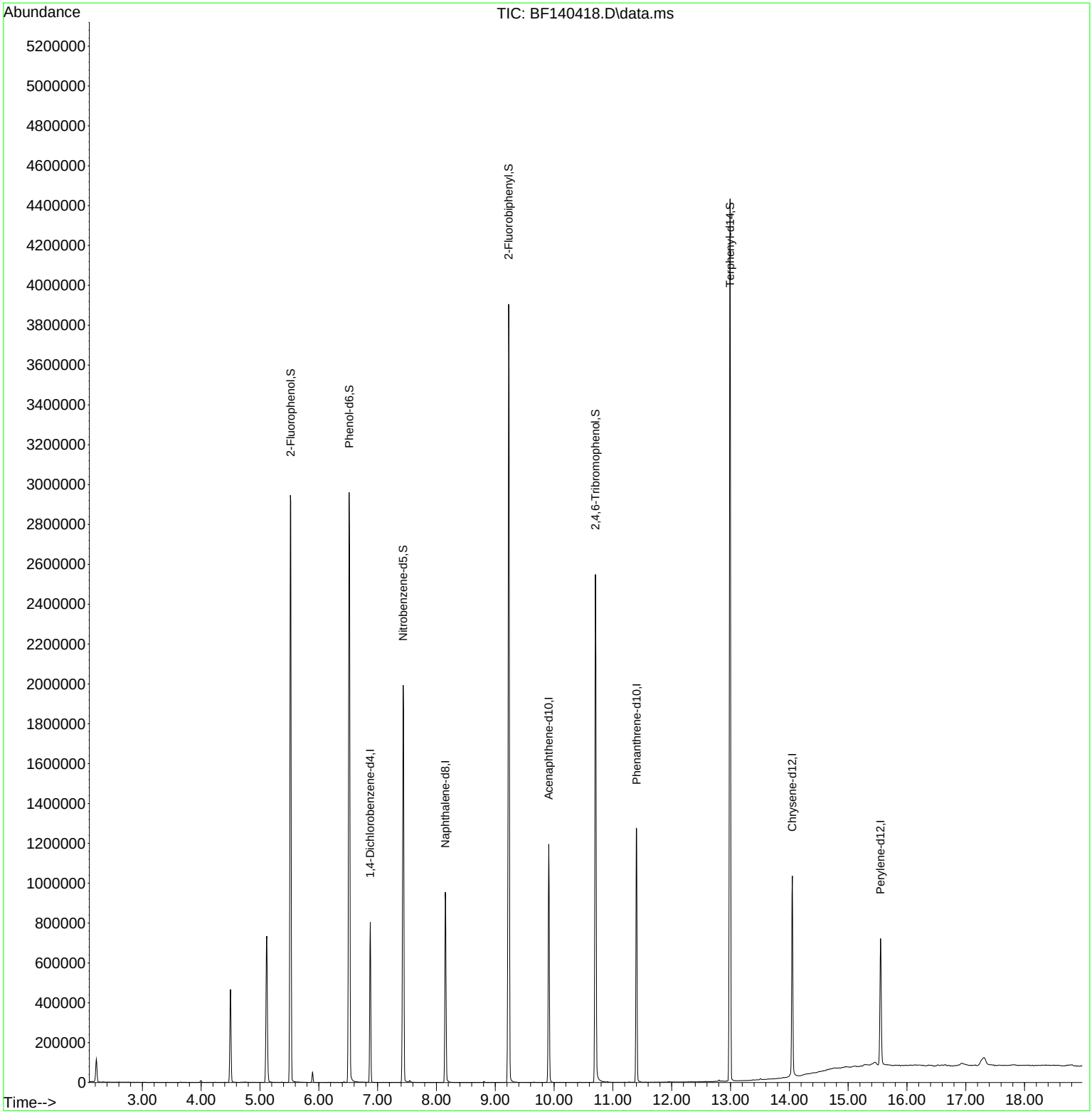
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	168054	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	642488	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	365710	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	717042	20.000	ng	0.00
76) Chrysene-d12	14.051	240	477442	20.000	ng	0.00
86) Perylene-d12	15.551	264	394046	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1170263	118.896	ng	0.03
7) Phenol-d6	6.516	99	1523103	114.215	ng	0.01
23) Nitrobenzene-d5	7.434	82	1012557	82.114	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	458929	126.194	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1866939	82.065	ng	0.00
79) Terphenyl-d14	12.992	244	2276360	82.760	ng	0.00
Target Compounds						Qvalue

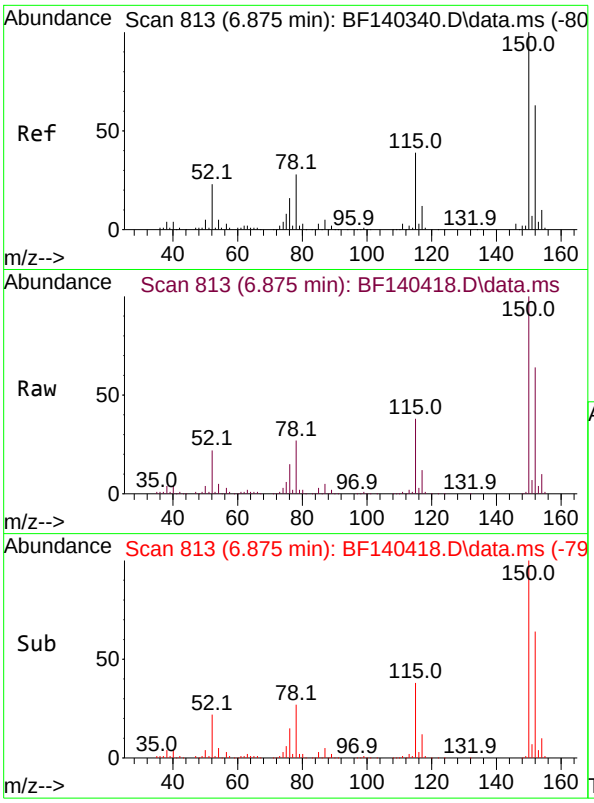
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140418.D
Acq On : 16 Nov 2024 10:02
Operator : RC/JU
Sample : PB164993BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164993BL

Quant Time: Nov 18 00:04:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration



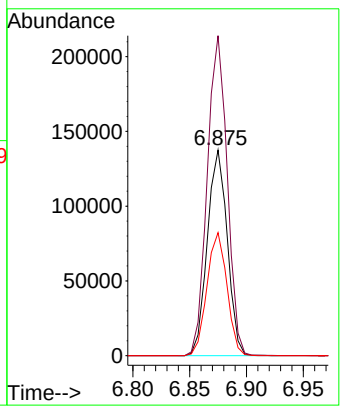


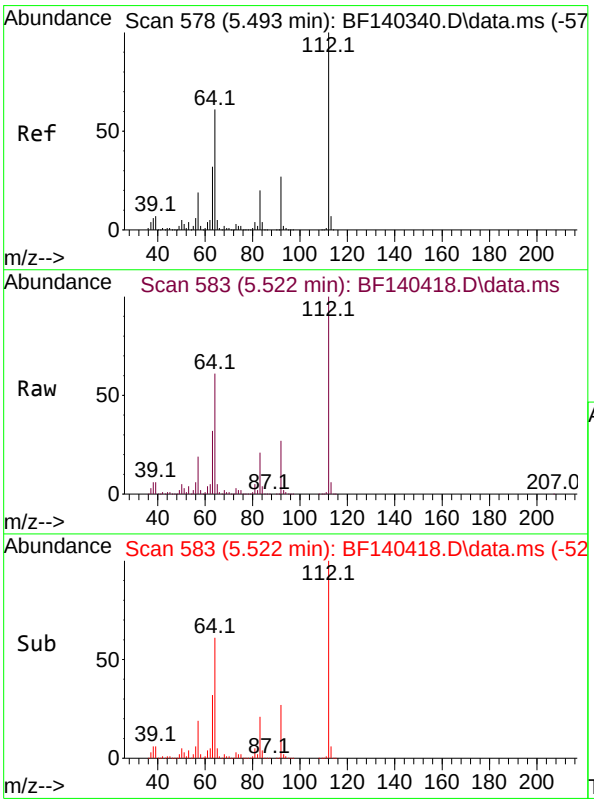
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140418.D
Acq: 16 Nov 2024 10:02

Instrument :
BNA_F
ClientSampleId :
PB164993BL

Tgt Ion:152 Resp: 168054

Ion	Ratio	Lower	Upper
152	100		
150	155.6	127.4	191.0
115	59.8	47.4	71.2

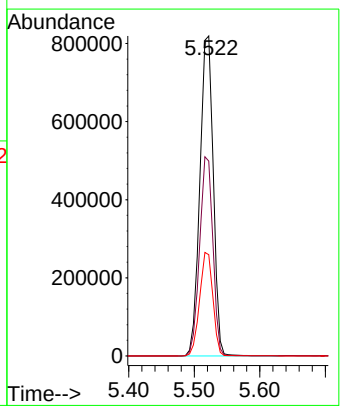


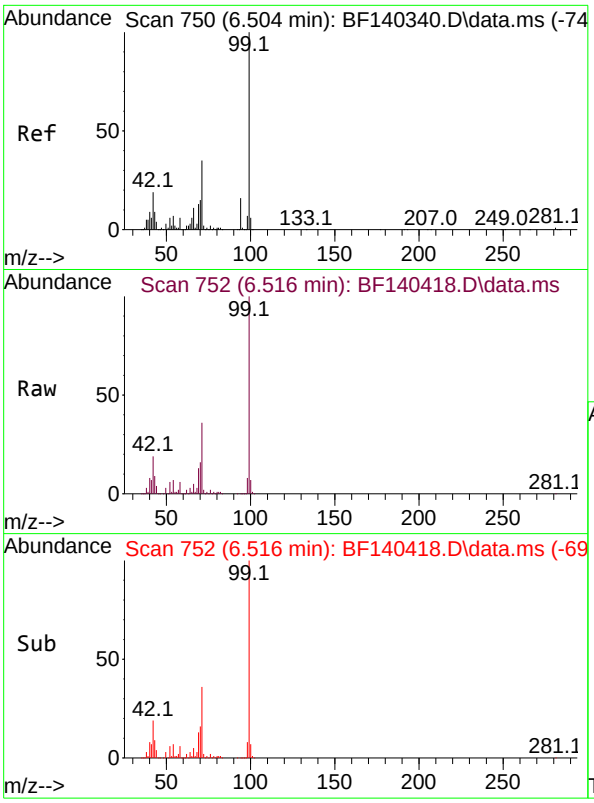


#5
2-Fluorophenol
Concen: 118.896 ng
RT: 5.522 min Scan# 583
Delta R.T. 0.029 min
Lab File: BF140418.D
Acq: 16 Nov 2024 10:02

Tgt Ion:112 Resp: 1170263

Ion	Ratio	Lower	Upper
112	100		
64	60.9	49.2	73.8
63	31.7	25.6	38.4



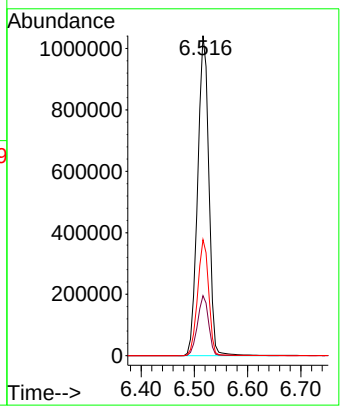


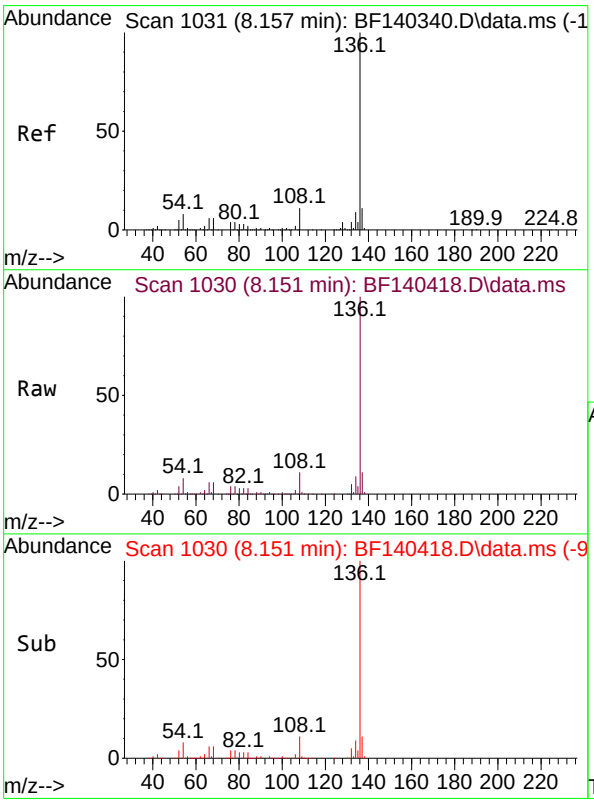
#7
Phenol-d6
Concen: 114.215 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF140418.D
Acq: 16 Nov 2024 10:02

Instrument :
BNA_F
ClientSampleId :
PB164993BL

Tgt Ion: 99 Resp: 1523103

Ion	Ratio	Lower	Upper
99	100		
42	18.8	15.1	22.7
71	36.3	27.9	41.9

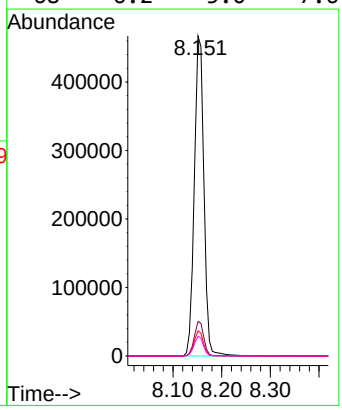


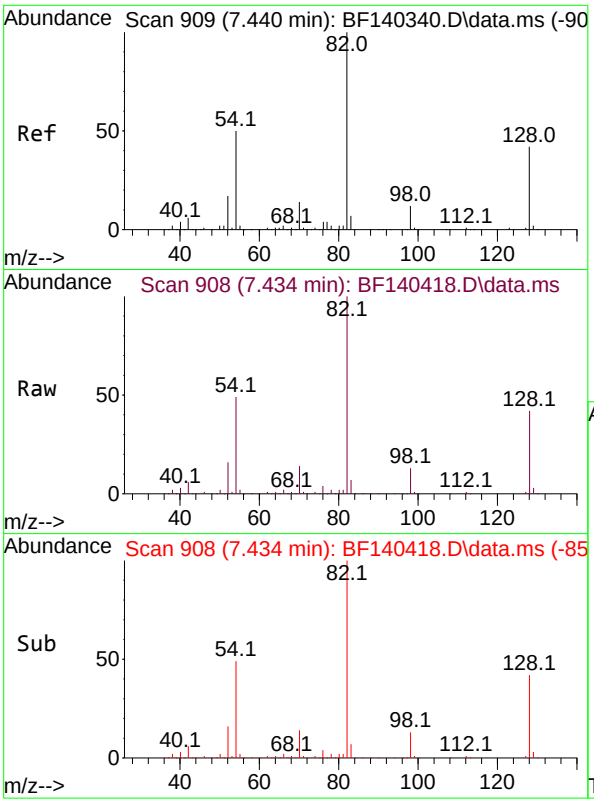


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140418.D
Acq: 16 Nov 2024 10:02

Tgt Ion:136 Resp: 642488

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	7.8	6.5	9.7
68	6.2	5.0	7.6



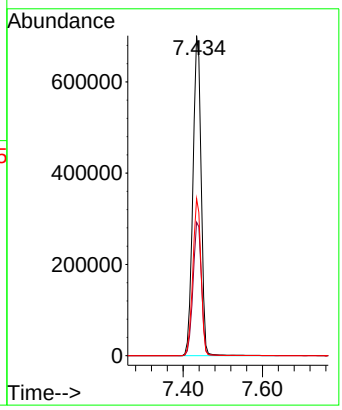


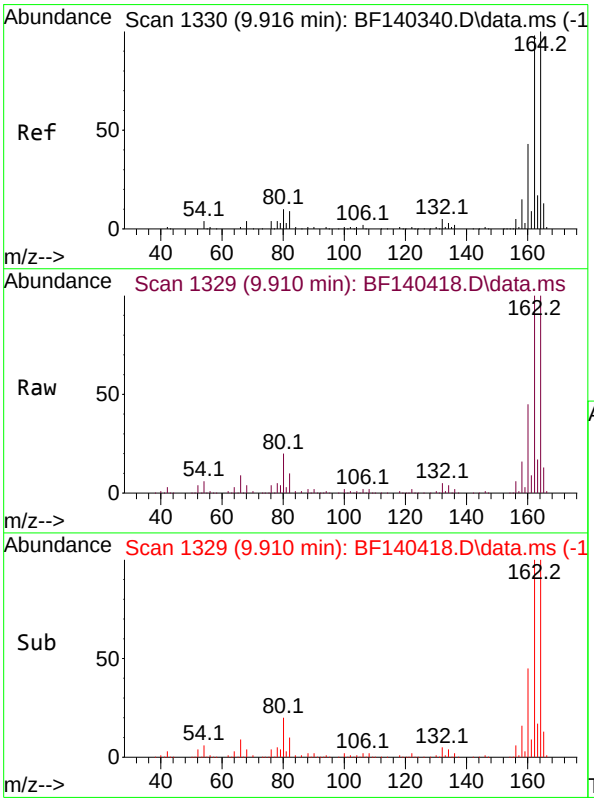
#23
Nitrobenzene-d5
Concen: 82.114 ng
RT: 7.434 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140418.D
Acq: 16 Nov 2024 10:02

Instrument :
BNA_F
ClientSampleId :
PB164993BL

Tgt Ion: 82 Resp: 1012557

Ion	Ratio	Lower	Upper
82	100		
128	41.7	33.3	49.9
54	49.1	39.8	59.8

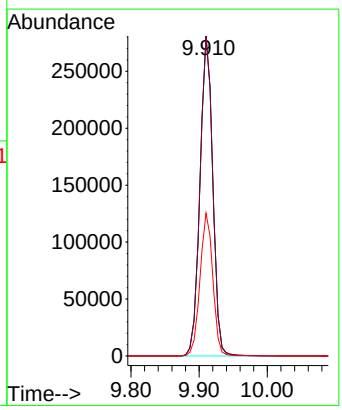


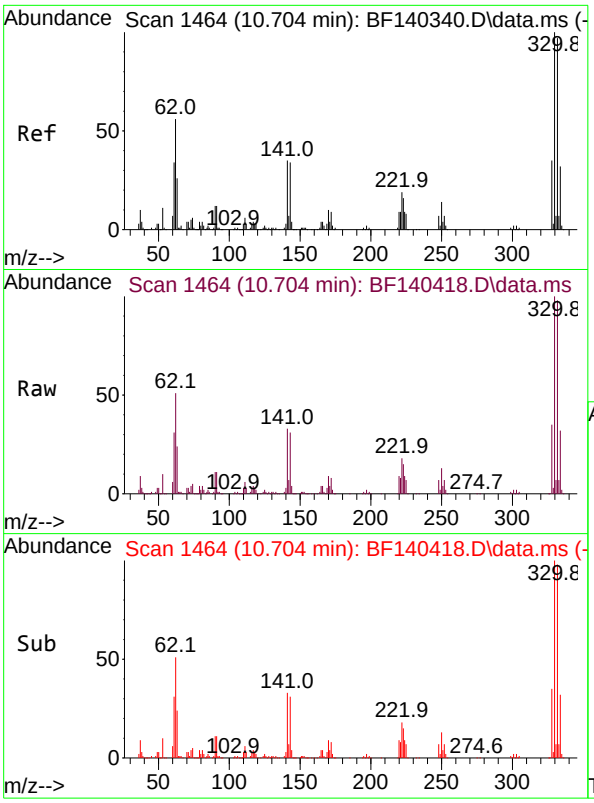


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140418.D
Acq: 16 Nov 2024 10:02

Tgt Ion:164 Resp: 365710

Ion	Ratio	Lower	Upper
164	100		
162	100.0	79.8	119.8
160	44.6	35.4	53.0



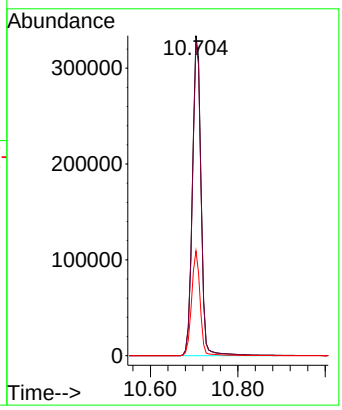


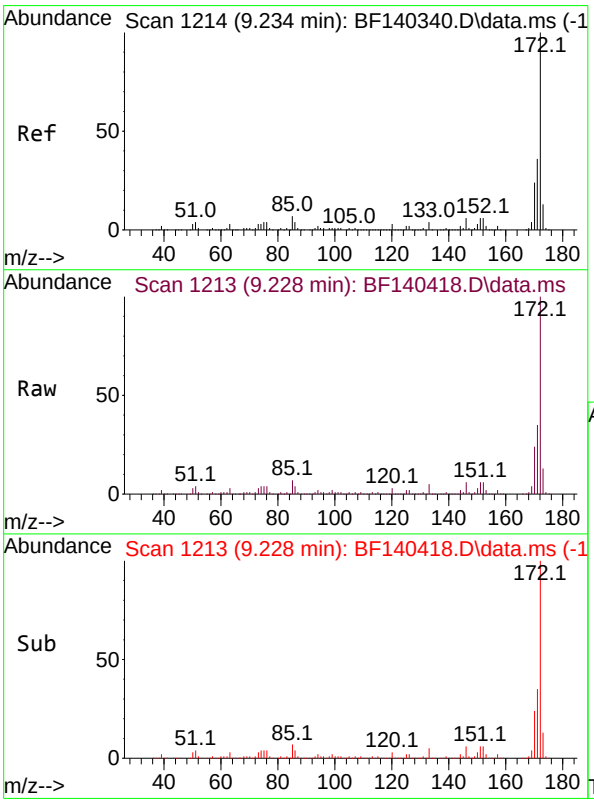
#42
2,4,6-Tribromophenol
Concen: 126.194 ng
RT: 10.704 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140418.D
Acq: 16 Nov 2024 10:02

Instrument :
BNA_F
ClientSampleId :
PB164993BL

Tgt Ion:330 Resp: 458929

Ion	Ratio	Lower	Upper
330	100		
332	97.3	75.9	113.9
141	32.3	26.9	40.3

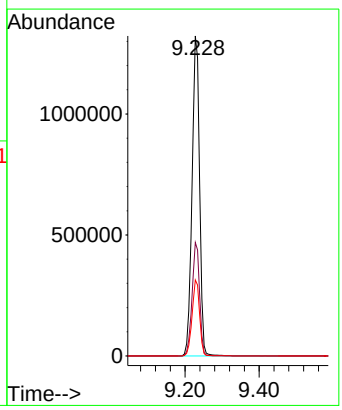


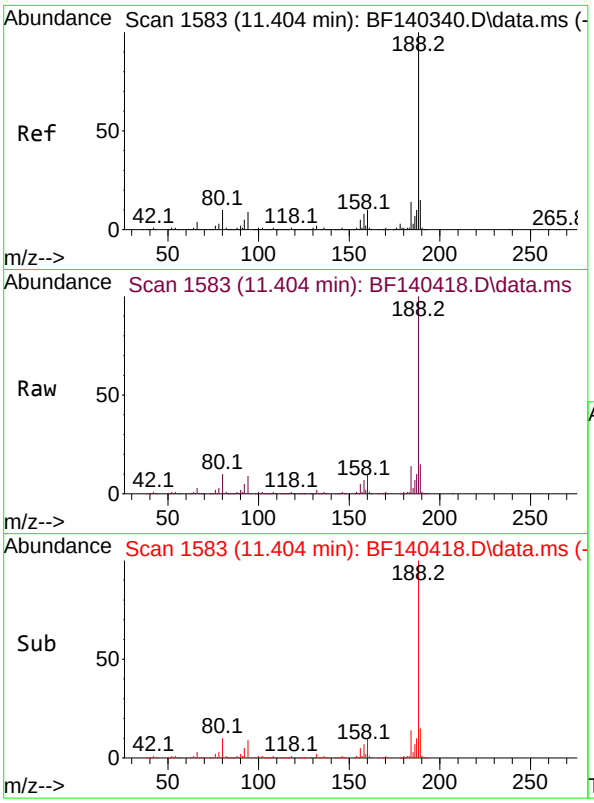


#45
2-Fluorobiphenyl
Concen: 82.065 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140418.D
Acq: 16 Nov 2024 10:02

Tgt Ion:172 Resp: 1866939

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.5	42.7
170	23.8	19.1	28.7



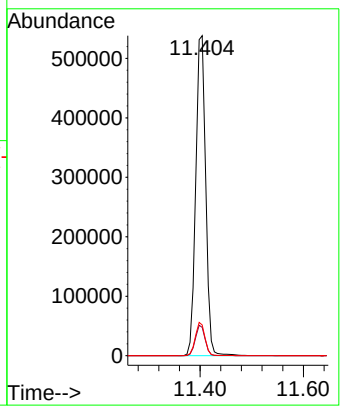


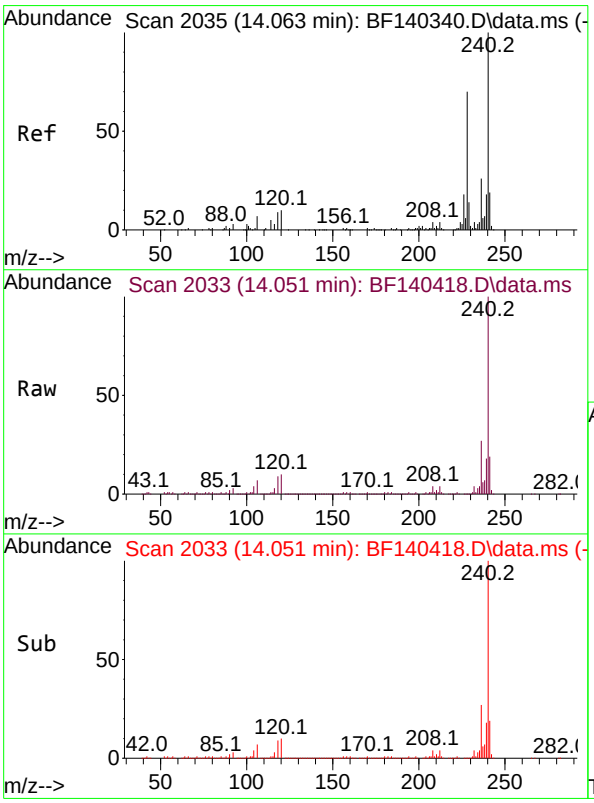
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140418.D
Acq: 16 Nov 2024 10:02

Instrument :
BNA_F
ClientSampleId :
PB164993BL

Tgt Ion:188 Resp: 717042

Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.6	11.4
80	9.6	8.0	12.0

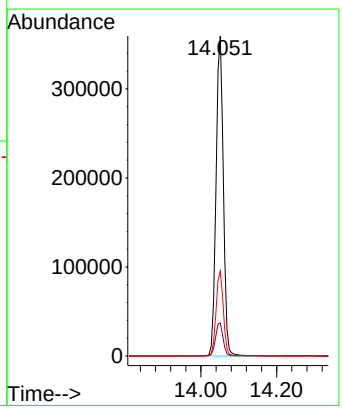


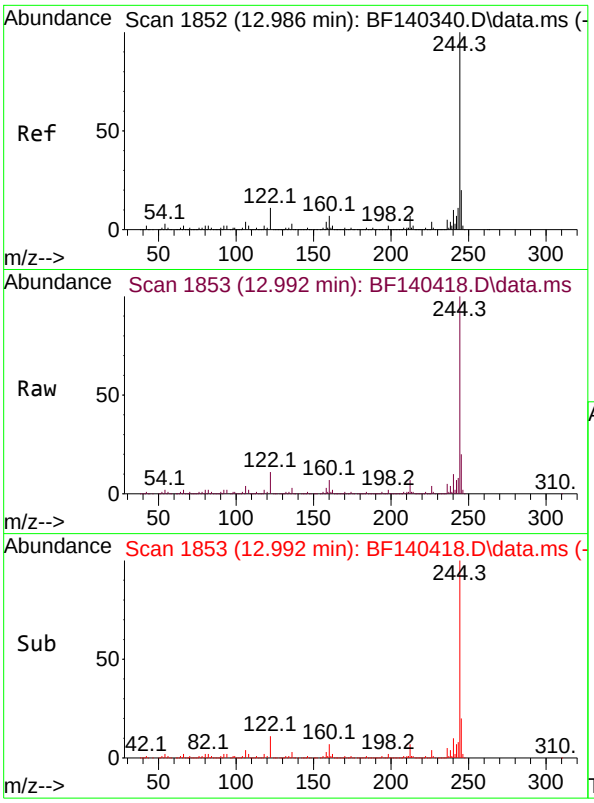


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF140418.D
Acq: 16 Nov 2024 10:02

Tgt Ion:240 Resp: 477442

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.8	13.2
236	26.6	20.9	31.3



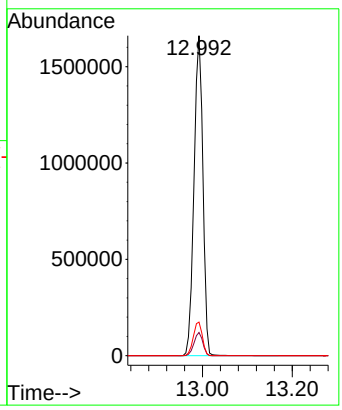


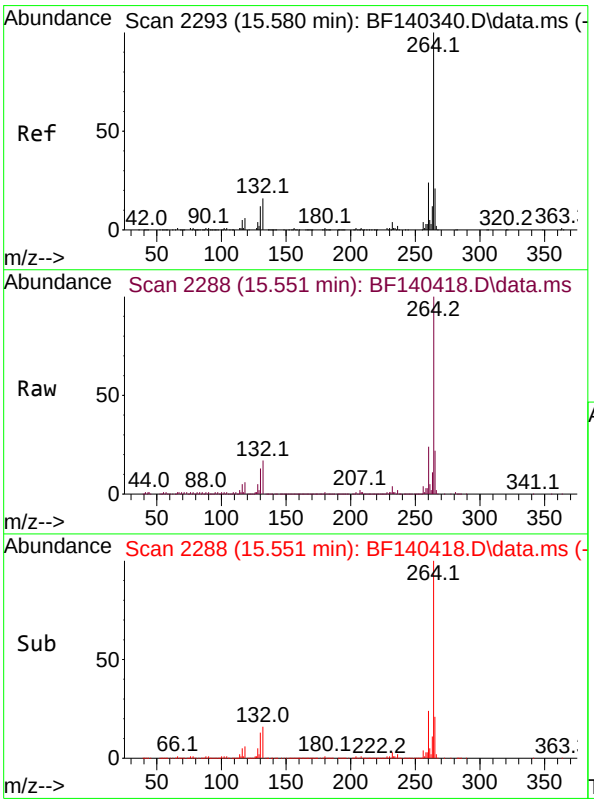
#79
Terphenyl-d14
Concen: 82.760 ng
RT: 12.992 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140418.D
Acq: 16 Nov 2024 10:02

Instrument :
BNA_F
ClientSampleId :
PB164993BL

Tgt Ion:244 Resp: 2276360

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	10.5	8.8	13.2

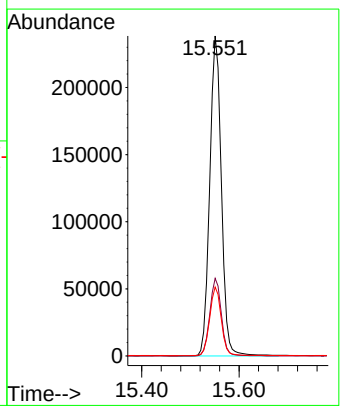




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2288
Delta R.T. -0.006 min
Lab File: BF140418.D
Acq: 16 Nov 2024 10:02

Tgt Ion:264 Resp: 394046

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.6	17.1	25.7



Raw Data: **BF140419.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder			Date Collected:	
Project:	Webster School			Date Received:	
Client Sample ID:	PB164993BS			SDG No.:	P4852
Lab Sample ID:	PB164993BS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140419.D	1	11/15/24 09:30	11/16/24 10:28	PB164993

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
78-59-1	Isophorone	1400		84.5	170	ug/Kg
91-20-3	Naphthalene	1400		82.5	170	ug/Kg
86-73-7	Fluorene	1400		85.4	170	ug/Kg
85-01-8	Phenanthrene	1400		83.9	170	ug/Kg
120-12-7	Anthracene	1500		84.3	170	ug/Kg
129-00-0	Pyrene	1600		82.9	170	ug/Kg
56-55-3	Benzo(a)anthracene	1500		80.6	170	ug/Kg
218-01-9	Chrysene	1500		79.4	170	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300		81.0	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		92.9	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		80.0	170	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	83.2		18 - 107	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.1		20 - 109	83%	SPK: 100
1718-51-0	Terphenyl-d14	99.7		10 - 105	100%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	170000	6.875			
1146-65-2	Naphthalene-d8	648000	8.157			
15067-26-2	Acenaphthene-d10	365000	9.916			
1517-22-2	Phenanthrene-d10	689000	11.404			
1719-03-5	Chrysene-d12	378000	14.057			
1520-96-3	Perylene-d12	338000	15.545			

Raw Data: **BF140419.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder			Date Collected:			
Project:	Webster School			Date Received:			
Client Sample ID:	PB164993BS			SDG No.:	P4852		
Lab Sample ID:	PB164993BS			Matrix:	SOIL		
Analytical Method:	SW8270			% Solid:	100		
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000		uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1		
Extraction Type :			Decanted : N	Level :	LOW		
Injection Volume :			GPC Factor : 1.0	GPC Cleanup :	N	PH :	
Prep Method :	SW3541						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140419.D	1	11/15/24 09:30	11/16/24 10:28	PB164993

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140419.D
Acq On : 16 Nov 2024 10:28
Operator : RC/JU
Sample : PB164993BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 18 00:04:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB164993BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	169538	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	648089	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	365262	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	688745	20.000	ng		0.00
76) Chrysene-d12	14.057	240	378177	20.000	ng		0.00
86) Perylene-d12	15.545	264	337908	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.522	112	1198388	120.687	ng		0.03
7) Phenol-d6	6.522	99	1554660	115.561	ng		0.02
23) Nitrobenzene-d5	7.439	82	1035098	83.216	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	474213	130.556	ng		0.00
45) 2-Fluorobiphenyl	9.233	172	1888003	83.093	ng		0.00
79) Terphenyl-d14	12.992	244	2171957	99.691	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.728	88	144696	32.695	ng		99
3) Pyridine	3.487	79	377804	34.725	ng		99
4) n-Nitrosodimethylamine	3.446	42	223584	40.660	ng		99
6) Aniline	6.539	93	466474	39.859	ng	#	21
8) 2-Chlorophenol	6.669	128	472492	44.297	ng		98
9) Benzaldehyde	6.428	77	44647	5.537	ng		97
10) Phenol	6.539	94	575667	40.576	ng	#	68
11) bis(2-Chloroethyl)ether	6.610	93	459310	42.727	ng		99
12) 1,3-Dichlorobenzene	6.816	146	480465	40.826	ng		99
13) 1,4-Dichlorobenzene	6.892	146	486839	40.797	ng		99
14) 1,2-Dichlorobenzene	7.045	146	464191	41.902	ng		99
15) Benzyl Alcohol	7.022	79	429500	44.312	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	611352	41.173	ng	#	45
17) 2-Methylphenol	7.139	107	376425	42.900	ng	#	91
18) Hexachloroethane	7.386	117	182767	41.429	ng		98
19) n-Nitroso-di-n-propyla...	7.292	70	332312	40.899	ng		99
20) 3+4-Methylphenols	7.292	107	460641	41.978	ng		98
22) Acetophenone	7.287	105	621959	41.263	ng		99
24) Nitrobenzene	7.463	77	515024	39.768	ng		98
25) Isophorone	7.698	82	936484	42.480	ng		100
26) 2-Nitrophenol	7.775	139	253075	44.036	ng		100
27) 2,4-Dimethylphenol	7.816	122	385255m	52.361	ng		
28) bis(2-Chloroethoxy)met...	7.904	93	561498	41.539	ng		99
29) 2,4-Dichlorophenol	8.022	162	397282	43.691	ng		99
30) 1,2,4-Trichlorobenzene	8.098	180	406910	40.194	ng		100
31) Naphthalene	8.181	128	1362481	41.443	ng		100
32) Benzoic acid	7.945	122	292235	45.138	ng		97
33) 4-Chloroaniline	8.228	127	380340	33.266	ng		100
34) Hexachlorobutadiene	8.292	225	261677	40.569	ng		99
35) Caprolactam	8.598	113	134251m	44.421	ng		
36) 4-Chloro-3-methylphenol	8.722	107	436311	43.298	ng		99
37) 2-Methylnaphthalene	8.869	142	888597	42.152	ng		99
38) 1-Methylnaphthalene	8.969	142	828388	40.129	ng		100
40) 1,2,4,5-Tetrachloroben...	9.039	216	416489	41.234	ng		99
41) Hexachlorocyclopentadiene	9.022	237	423884	163.448	ng		100
43) 2,4,6-Trichlorophenol	9.151	196	289300	43.643	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140419.D
Acq On : 16 Nov 2024 10:28
Operator : RC/JU
Sample : PB164993BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 18 00:04:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB164993BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	306431	42.282	ng	96
46) 1,1'-Biphenyl	9.333	154	1111114	41.814	ng	100
47) 2-Chloronaphthalene	9.363	162	822289	40.623	ng	99
48) 2-Nitroaniline	9.463	65	290570	43.284	ng	100
49) Acenaphthylene	9.780	152	1370350	44.744	ng	100
50) Dimethylphthalate	9.639	163	1034918	43.469	ng	100
51) 2,6-Dinitrotoluene	9.704	165	225750	41.592	ng	96
52) Acenaphthene	9.951	154	995287m	48.115	ng	
53) 3-Nitroaniline	9.875	138	201102	35.281	ng	98
54) 2,4-Dinitrophenol	9.986	184	266092	95.069	ng	97
55) Dibenzofuran	10.122	168	1241132	42.384	ng	99
56) 4-Nitrophenol	10.051	139	345985	83.215	ng	98
57) 2,4-Dinitrotoluene	10.110	165	308663	43.210	ng	98
58) Fluorene	10.469	166	972880	42.056	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	267275	46.707	ng	99
60) Diethylphthalate	10.339	149	1058472	43.478	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	482542	42.252	ng	98
62) 4-Nitroaniline	10.492	138	243628	41.801	ng	99
63) Azobenzene	10.616	77	1029776	42.810	ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	184898	49.897	ng	94
66) n-Nitrosodiphenylamine	10.575	169	875629	44.001	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	293010	42.559	ng	98
68) Hexachlorobenzene	11.016	284	331678	42.817	ng	98
69) Atrazine	11.104	200	197606	32.821	ng	99
70) Pentachlorophenol	11.216	266	353643	84.751	ng	99
71) Phenanthrene	11.433	178	1382599	42.733	ng	99
72) Anthracene	11.480	178	1428714	45.057	ng	100
73) Carbazole	11.639	167	1318987	42.127	ng	100
74) Di-n-butylphthalate	11.963	149	1662288	44.235	ng	100
75) Fluoranthene	12.621	202	1529420	42.134	ng	100
77) Benzidine	12.739	184	160792	11.078	ng	98
78) Pyrene	12.851	202	1550782	47.940	ng	100
80) Butylbenzylphthalate	13.463	149	645531	51.948	ng	97
81) Benzo(a)anthracene	14.039	228	1149970	46.268	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	306540	38.802	ng	100
83) Chrysene	14.080	228	996044	43.921	ng	100
84) Bis(2-ethylhexyl)phtha...	14.021	149	848424	51.151	ng	99
85) Di-n-octyl phthalate	14.645	149	1135241	48.597	ng	99
87) Indeno(1,2,3-cd)pyrene	17.056	276	998007	47.812	ng	99
88) Benzo(b)fluoranthene	15.110	252	854955	38.678	ng	100
89) Benzo(k)fluoranthene	15.139	252	860355	47.645	ng	99
90) Benzo(a)pyrene	15.486	252	808559	47.104	ng	100
91) Dibenzo(a,h)anthracene	17.074	278	811962	47.060	ng	99
92) Benzo(g,h,i)perylene	17.515	276	745674	42.274	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

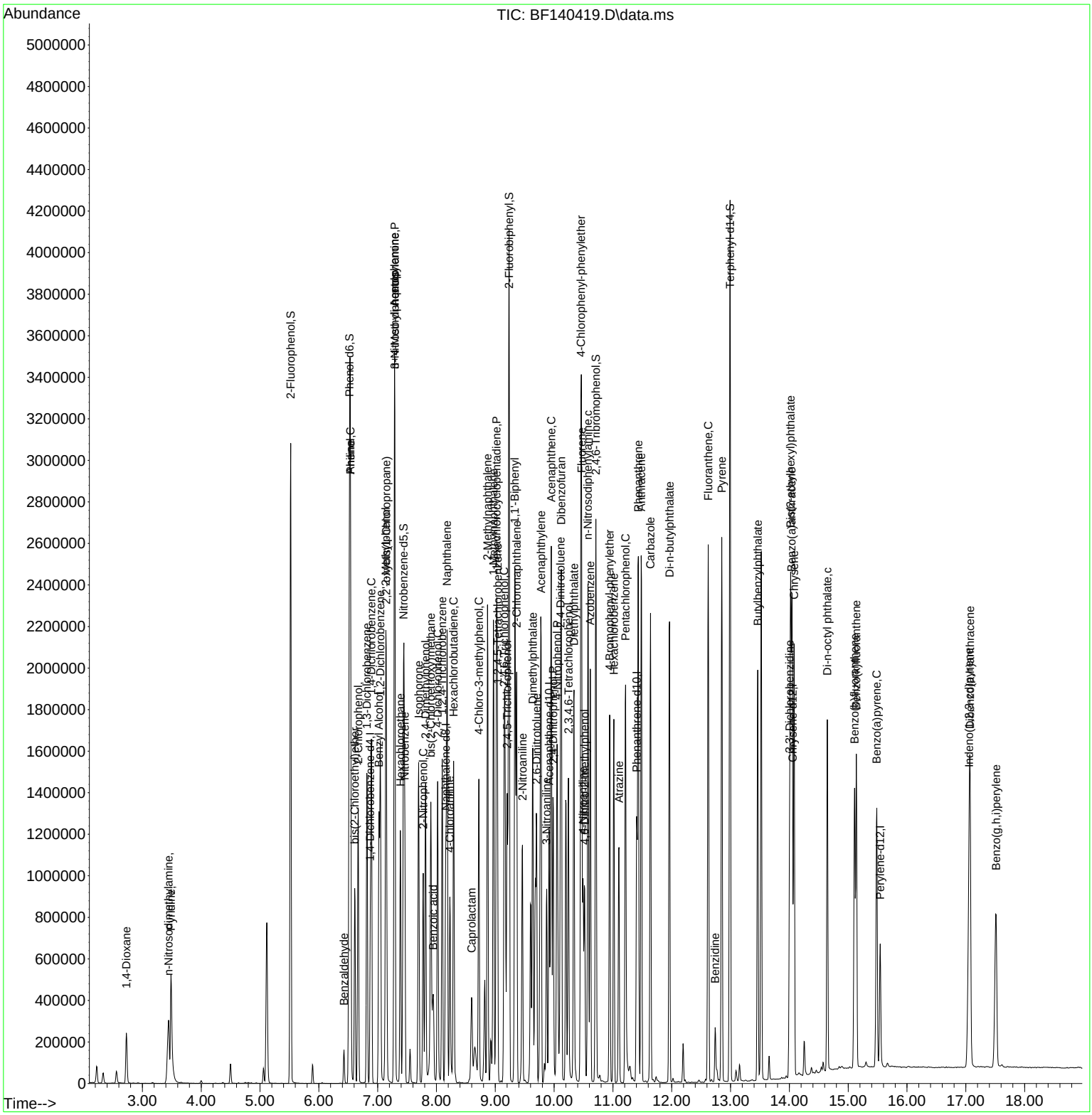
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140419.D
Acq On : 16 Nov 2024 10:28
Operator : RC/JU
Sample : PB164993BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 18 00:04:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB164993BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



Raw Data: **BF140471.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder			Date Collected:	11/13/24
Project:	Webster School			Date Received:	11/14/24
Client Sample ID:	COMP-3MS			SDG No.:	P4852
Lab Sample ID:	P4852-03MS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	88.4
Sample Wt/Vol:	30.08	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140471.D	1	11/15/24 09:30	11/19/24 14:13	PB164993

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
78-59-1	Isophorone	1900		95.4	190	ug/Kg
91-20-3	Naphthalene	1800		93.2	190	ug/Kg
86-73-7	Fluorene	1800		96.5	190	ug/Kg
85-01-8	Phenanthrene	2000		94.8	190	ug/Kg
120-12-7	Anthracene	2000		95.2	190	ug/Kg
129-00-0	Pyrene	2200		93.6	190	ug/Kg
56-55-3	Benzo(a)anthracene	2100		91.0	190	ug/Kg
218-01-9	Chrysene	2100		89.7	190	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		91.5	190	ug/Kg
50-32-8	Benzo(a)pyrene	2100		100	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		90.4	190	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	79.2		18 - 107	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.1		20 - 109	78%	SPK: 100
1718-51-0	Terphenyl-d14	84.8		10 - 105	85%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	159000	6.875			
1146-65-2	Naphthalene-d8	604000	8.157			
15067-26-2	Acenaphthene-d10	330000	9.91			
1517-22-2	Phenanthrene-d10	587000	11.398			
1719-03-5	Chrysene-d12	298000	14.057			
1520-96-3	Perylene-d12	302000	15.563			

Raw Data: **BF140471.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder			Date Collected:	11/13/24
Project:	Webster School			Date Received:	11/14/24
Client Sample ID:	COMP-3MS			SDG No.:	P4852
Lab Sample ID:	P4852-03MS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	88.4
Sample Wt/Vol:	30.08	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140471.D	1	11/15/24 09:30	11/19/24 14:13	PB164993

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140471.D
Acq On : 19 Nov 2024 14:13
Operator : RC/JU
Sample : P4852-03MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-3MS

Quant Time: Nov 19 14:35:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	159273	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	604441	20.000	ng		0.00
39) Acenaphthene-d10	9.910	164	329881	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	587430	20.000	ng		0.00
76) Chrysene-d12	14.057	240	297623	20.000	ng		0.00
86) Perylene-d12	15.563	264	301999	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	1052326	112.808	ng		0.02
7) Phenol-d6	6.516	99	1437610	113.748	ng		0.01
23) Nitrobenzene-d5	7.440	82	918669	79.189	ng		0.00
42) 2,4,6-Tribromophenol	10.704	330	385531	117.525	ng		0.00
45) 2-Fluorobiphenyl	9.228	172	1601811	78.058	ng		0.00
79) Terphenyl-d14	12.986	244	1454456	84.827	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.758	88	196922	47.364	ng		98
3) Pyridine	3.510	79	464891	45.483	ng		99
4) n-Nitrosodimethylamine	3.469	42	256805	49.711	ng		99
6) Aniline	6.540	93	259944	23.643	ng	#	1
8) 2-Chlorophenol	6.663	128	529721	52.863	ng		98
9) Benzaldehyde	6.422	77	47919	6.326	ng		100
10) Phenol	6.534	94	650710	48.821	ng		91
11) bis(2-Chloroethyl)ether	6.610	93	521888	51.678	ng		100
12) 1,3-Dichlorobenzene	6.816	146	537566	48.621	ng		100
13) 1,4-Dichlorobenzene	6.893	146	539616	48.134	ng		99
14) 1,2-Dichlorobenzene	7.045	146	518588	49.829	ng		100
15) Benzyl Alcohol	7.016	79	460140	50.533	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.146	45	664700	47.651	ng		61
17) 2-Methylphenol	7.134	107	408212	49.521	ng	#	92
18) Hexachloroethane	7.381	117	203600	49.126	ng		96
19) n-Nitroso-di-n-propyla...	7.287	70	367542	48.150	ng		99
20) 3+4-Methylphenols	7.287	107	509217	49.396	ng		91
22) Acetophenone	7.281	105	694011	49.367	ng	#	97
24) Nitrobenzene	7.457	77	580511	48.061	ng		99
25) Isophorone	7.693	82	1019500	49.586	ng		100
26) 2-Nitrophenol	7.769	139	283478	52.888	ng		98
27) 2,4-Dimethylphenol	7.810	122	403102	58.743	ng		99
28) bis(2-Chloroethoxy)met...	7.898	93	631335	50.078	ng		100
29) 2,4-Dichlorophenol	8.016	162	432953	51.052	ng		99
30) 1,2,4-Trichlorobenzene	8.092	180	452658	47.942	ng		99
31) Naphthalene	8.175	128	1487350	48.508	ng		99
32) Benzoic acid	7.945	122	298719	49.472	ng		97
33) 4-Chloroaniline	8.240	127	73996	6.939	ng		97
34) Hexachlorobutadiene	8.287	225	289092	48.055	ng		99
35) Caprolactam	8.604	113	141424m	50.173	ng		
36) 4-Chloro-3-methylphenol	8.722	107	474777	50.518	ng		99
37) 2-Methylnaphthalene	8.869	142	970612	49.367	ng		99
38) 1-Methylnaphthalene	8.969	142	910890	47.311	ng		100
40) 1,2,4,5-Tetrachloroben...	9.034	216	455114	49.890	ng		99
41) Hexachlorocyclopentadiene	9.016	237	392593	167.619	ng		99
43) 2,4,6-Trichlorophenol	9.151	196	304343	50.837	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140471.D
Acq On : 19 Nov 2024 14:13
Operator : RC/JU
Sample : P4852-03MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-3MS

Quant Time: Nov 19 14:35:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

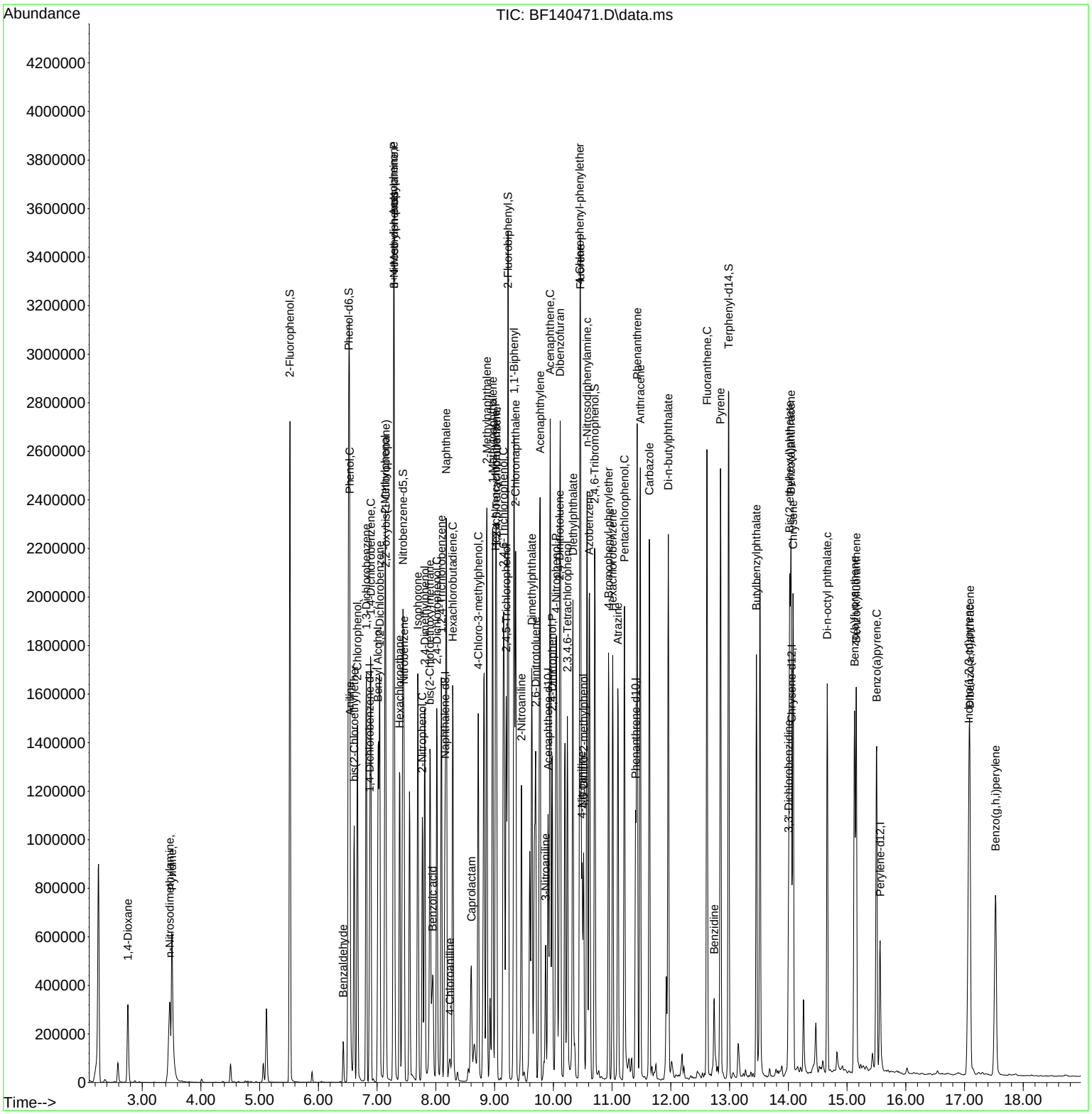
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	321133	49.063	ng	97
46) 1,1'-Biphenyl	9.334	154	1190763	49.618	ng	100
47) 2-Chloronaphthalene	9.357	162	896328	49.030	ng	99
48) 2-Nitroaniline	9.457	65	298711	49.269	ng	99
49) Acenaphthylene	9.775	152	1445166	52.248	ng	100
50) Dimethylphthalate	9.634	163	1102017	51.252	ng	100
51) 2,6-Dinitrotoluene	9.698	165	236680	48.283	ng	99
52) Acenaphthene	9.945	154	1037837m	55.553	ng	
53) 3-Nitroaniline	9.869	138	125600	24.398	ng	99
54) 2,4-Dinitrophenol	9.981	184	265386	104.986	ng	98
55) Dibenzofuran	10.116	168	1308667	49.484	ng	99
56) 4-Nitrophenol	10.045	139	352328	93.830	ng	99
57) 2,4-Dinitrotoluene	10.104	165	320430	49.668	ng	98
58) Fluorene	10.463	166	1010321	48.359	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	277506	53.696	ng	97
60) Diethylphthalate	10.334	149	1075092	48.897	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	499623	48.439	ng	98
62) 4-Nitroaniline	10.486	138	232546	44.179	ng	99
63) Azobenzene	10.610	77	1170866	53.897	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	181689	57.487	ng	96
66) n-Nitrosodiphenylamine	10.575	169	890665	52.476	ng	100
67) 4-Bromophenyl-phenylether	10.939	248	306660	52.224	ng	98
68) Hexachlorobenzene	11.010	284	337885	51.142	ng	98
69) Atrazine	11.098	200	285602	55.618	ng	98
70) Pentachlorophenol	11.210	266	337988	94.970	ng	99
71) Phenanthrene	11.428	178	1455837	52.758	ng	100
72) Anthracene	11.481	178	1407194	52.032	ng	100
73) Carbazole	11.633	167	1294193	48.464	ng	100
74) Di-n-butylphthalate	11.957	149	1576494	49.188	ng	100
75) Fluoranthene	12.616	202	1510430	48.788	ng	100
77) Benzidine	12.739	184	197074	17.252	ng	99
78) Pyrene	12.845	202	1501419	58.977	ng	100
80) Butylbenzylphthalate	13.457	149	554722	56.722	ng	98
81) Benzo(a)anthracene	14.045	228	1080364	55.232	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	194781	31.329	ng	99
83) Chrysene	14.080	228	988449	55.384	ng	100
84) Bis(2-ethylhexyl)phtha...	14.022	149	728758	55.828	ng	99
85) Di-n-octyl phthalate	14.663	149	1087473	59.151	ng	99
87) Indeno(1,2,3-cd)pyrene	17.074	276	968011	51.889	ng	100
88) Benzo(b)fluoranthene	15.127	252	933030	47.229	ng	99
89) Benzo(k)fluoranthene	15.157	252	901704m	55.872	ng	
90) Benzo(a)pyrene	15.504	252	874147	56.980	ng	99
91) Dibenzo(a,h)anthracene	17.092	278	774961	50.256	ng	99
92) Benzo(g,h,i)perylene	17.527	276	725727	46.035	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140471.D
Acq On : 19 Nov 2024 14:13
Operator : RC/JU
Sample : P4852-03MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-3MS

Quant Time: Nov 19 14:35:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration



Raw Data: **BF140472.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/13/24
Project:	Webster School	Date Received:	11/14/24
Client Sample ID:	COMP-3MSD	SDG No.:	P4852
Lab Sample ID:	P4852-03MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.4
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140472.D	1	11/15/24 09:30	11/19/24 14:39	PB164993

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
78-59-1	Isophorone	1800		95.5	190	ug/Kg
91-20-3	Naphthalene	1800		93.3	190	ug/Kg
86-73-7	Fluorene	1700		96.5	190	ug/Kg
85-01-8	Phenanthrene	1900		94.8	190	ug/Kg
120-12-7	Anthracene	1900		95.3	190	ug/Kg
129-00-0	Pyrene	2100		93.7	190	ug/Kg
56-55-3	Benzo(a)anthracene	2100		91.1	190	ug/Kg
218-01-9	Chrysene	1900		89.8	190	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		91.6	190	ug/Kg
50-32-8	Benzo(a)pyrene	2100		100	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		90.4	190	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	76.6		18 - 107	77%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.1		20 - 109	74%	SPK: 100
1718-51-0	Terphenyl-d14	80.4		10 - 105	80%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	161000	6.875			
1146-65-2	Naphthalene-d8	618000	8.151			
15067-26-2	Acenaphthene-d10	339000	9.91			
1517-22-2	Phenanthrene-d10	600000	11.398			
1719-03-5	Chrysene-d12	308000	14.045			
1520-96-3	Perylene-d12	312000	15.527			

Raw Data: **BF140472.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder			Date Collected:	11/13/24
Project:	Webster School			Date Received:	11/14/24
Client Sample ID:	COMP-3MSD			SDG No.:	P4852
Lab Sample ID:	P4852-03MSD			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	88.4
Sample Wt/Vol:	30.06	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140472.D	1	11/15/24 09:30	11/19/24 14:39	PB164993

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140472.D
Acq On : 19 Nov 2024 14:39
Operator : RC/JU
Sample : P4852-03MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-3MSD

Quant Time: Nov 19 15:28:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	160639	20.000	ng		0.00
21) Naphthalene-d8	8.151	136	617685	20.000	ng		0.00
39) Acenaphthene-d10	9.910	164	339230	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	599763	20.000	ng		0.00
76) Chrysene-d12	14.045	240	308205	20.000	ng		0.00
86) Perylene-d12	15.527	264	312291	20.000	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	1033315	109.828	ng		0.02
7) Phenol-d6	6.516	99	1411308	110.717	ng		0.01
23) Nitrobenzene-d5	7.440	82	908125	76.602	ng		0.00
42) 2,4,6-Tribromophenol	10.704	330	379851	112.603	ng		0.00
45) 2-Fluorobiphenyl	9.228	172	1564446	74.136	ng		0.00
79) Terphenyl-d14	12.986	244	1427020	80.369	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.752	88	193532	46.152	ng		98
3) Pyridine	3.505	79	469179	45.512	ng		100
4) n-Nitrosodimethylamine	3.469	42	252595	48.481	ng		98
6) Aniline	6.540	93	270030	24.352	ng	#	1
8) 2-Chlorophenol	6.663	128	517734	51.228	ng		97
9) Benzaldehyde	6.422	77	47030	6.156	ng		99
10) Phenol	6.534	94	639912	47.603	ng		91
11) bis(2-Chloroethyl)ether	6.610	93	513101	50.375	ng		99
12) 1,3-Dichlorobenzene	6.816	146	526437	47.210	ng		99
13) 1,4-Dichlorobenzene	6.893	146	527264	46.632	ng		99
14) 1,2-Dichlorobenzene	7.040	146	507993	48.396	ng		99
15) Benzyl Alcohol	7.016	79	457879	49.857	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.146	45	656682	46.676	ng		65
17) 2-Methylphenol	7.134	107	406135	48.850	ng	#	92
18) Hexachloroethane	7.381	117	200393	47.941	ng		96
19) n-Nitroso-di-n-propyla...	7.287	70	364215	47.309	ng		99
20) 3+4-Methylphenols	7.287	107	504536	48.525	ng		92
22) Acetophenone	7.281	105	678302	47.215	ng	#	98
24) Nitrobenzene	7.457	77	569997	46.179	ng		99
25) Isophorone	7.693	82	1000361	47.612	ng		100
26) 2-Nitrophenol	7.769	139	278180	50.787	ng		98
27) 2,4-Dimethylphenol	7.810	122	390943m	55.750	ng		
28) bis(2-Chloroethoxy)met...	7.898	93	615923	47.808	ng		99
29) 2,4-Dichlorophenol	8.016	162	428689	49.465	ng		98
30) 1,2,4-Trichlorobenzene	8.092	180	440378	45.641	ng		100
31) Naphthalene	8.175	128	1473550	47.027	ng		99
32) Benzoic acid	7.951	122	297798	48.262	ng		96
33) 4-Chloroaniline	8.234	127	76913	7.058	ng		99
34) Hexachlorobutadiene	8.287	225	284420	46.265	ng		99
35) Caprolactam	8.604	113	139576m	48.456	ng		
36) 4-Chloro-3-methylphenol	8.722	107	463653	48.276	ng		98
37) 2-Methylnaphthalene	8.869	142	958627	47.712	ng		100
38) 1-Methylnaphthalene	8.963	142	891975	45.336	ng		99
40) 1,2,4,5-Tetrachloroben...	9.034	216	443589	47.287	ng		99
41) Hexachlorocyclopentadiene	9.016	237	373760	155.180	ng		100
43) 2,4,6-Trichlorophenol	9.151	196	298427	48.475	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140472.D
Acq On : 19 Nov 2024 14:39
Operator : RC/JU
Sample : P4852-03MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-3MSD

Quant Time: Nov 19 15:28:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

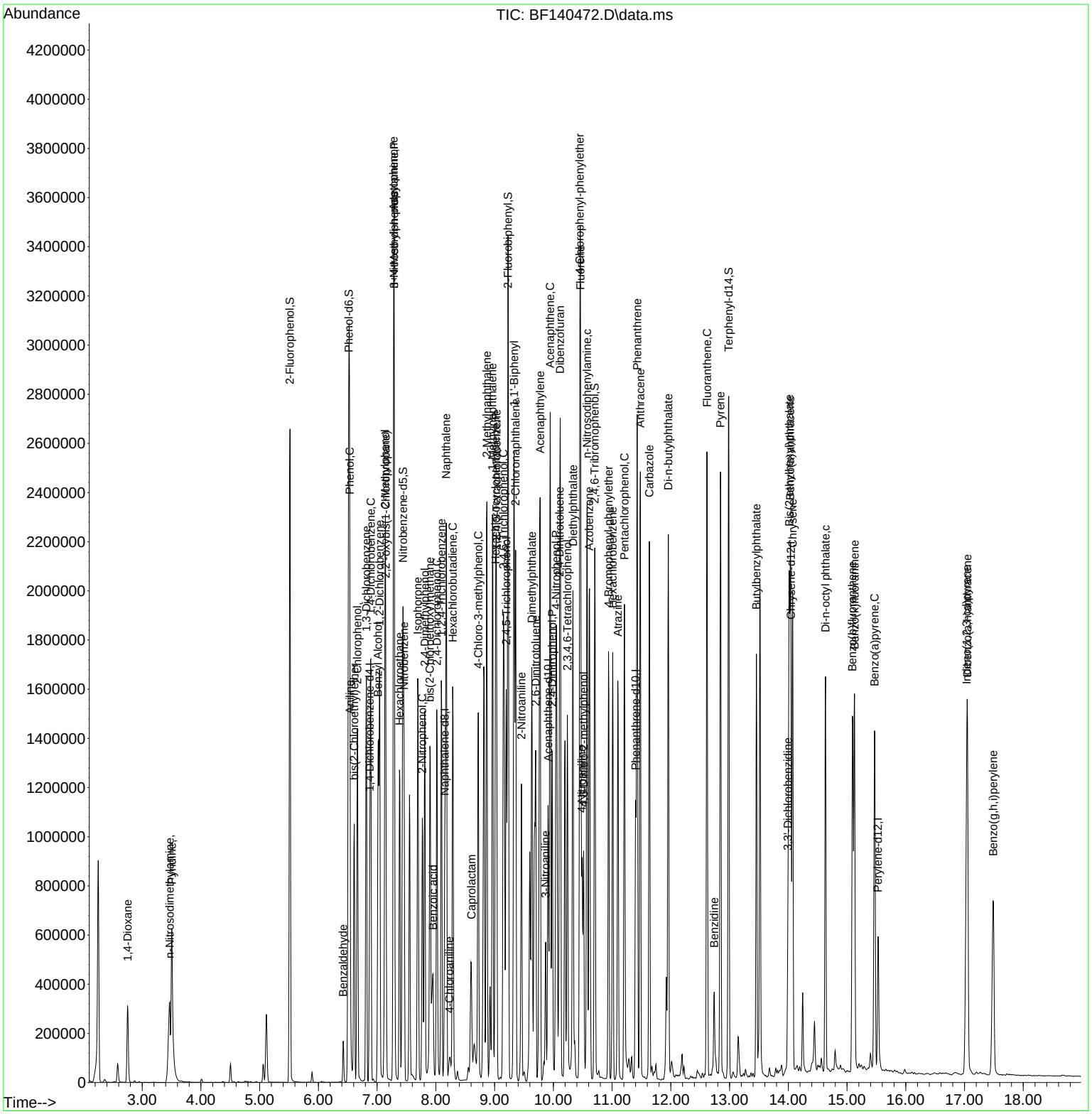
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	316498	47.022	ng	98
46) 1,1'-Biphenyl	9.334	154	1178581	47.757	ng	100
47) 2-Chloronaphthalene	9.357	162	885179	47.085	ng	99
48) 2-Nitroaniline	9.457	65	296890	47.619	ng	98
49) Acenaphthylene	9.775	152	1436576	50.506	ng	100
50) Dimethylphthalate	9.634	163	1097767	49.647	ng	100
51) 2,6-Dinitrotoluene	9.698	165	239999	47.611	ng	97
52) Acenaphthene	9.945	154	1028856m	53.555	ng	
53) 3-Nitroaniline	9.869	138	122530	23.146	ng	99
54) 2,4-Dinitrophenol	9.981	184	260960	100.390	ng	99
55) Dibenzofuran	10.116	168	1290185	47.440	ng	99
56) 4-Nitrophenol	10.045	139	350311	90.721	ng	98
57) 2,4-Dinitrotoluene	10.104	165	316708	47.738	ng	98
58) Fluorene	10.463	166	992376	46.191	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	271606	51.106	ng	98
60) Diethylphthalate	10.334	149	1074251	47.513	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	492946	46.475	ng	99
62) 4-Nitroaniline	10.486	138	228544	42.223	ng	99
63) Azobenzene	10.610	77	1159482	51.902	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	179703	55.690	ng	96
66) n-Nitrosodiphenylamine	10.575	169	886182	51.138	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	300044	50.047	ng	98
68) Hexachlorobenzene	11.010	284	327029	48.481	ng	99
69) Atrazine	11.098	200	282583	53.898	ng	98
70) Pentachlorophenol	11.210	266	330332	90.910	ng	99
71) Phenanthrene	11.428	178	1445174	51.294	ng	99
72) Anthracene	11.481	178	1381103	50.017	ng	100
73) Carbazole	11.633	167	1273018	46.691	ng	100
74) Di-n-butylphthalate	11.957	149	1582422	48.357	ng	100
75) Fluoranthene	12.616	202	1481639	46.874	ng	100
77) Benzidine	12.739	184	206811	17.483	ng	99
78) Pyrene	12.845	202	1463566	55.516	ng	100
80) Butylbenzylphthalate	13.457	149	551340	54.441	ng	98
81) Benzo(a)anthracene	14.033	228	1114758	55.034	ng	100
82) 3,3'-Dichlorobenzidine	13.992	252	197920	30.741	ng	99
83) Chrysene	14.074	228	931656	50.409	ng	100
84) Bis(2-ethylhexyl)phtha...	14.016	149	722368	53.439	ng	99
85) Di-n-octyl phthalate	14.633	149	1096091	57.573	ng	99
87) Indeno(1,2,3-cd)pyrene	17.039	276	948309	49.158	ng	100
88) Benzo(b)fluoranthene	15.092	252	991589	48.539	ng	100
89) Benzo(k)fluoranthene	15.127	252	854678	51.213	ng	99
90) Benzo(a)pyrene	15.468	252	872789	55.017	ng	99
91) Dibenzo(a,h)anthracene	17.051	278	762289	47.805	ng	99
92) Benzo(g,h,i)perylene	17.486	276	694135	42.580	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140472.D
Acq On : 19 Nov 2024 14:39
Operator : RC/JU
Sample : P4852-03MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-3MSD

Quant Time: Nov 19 15:28:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	BF111324	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF140333.D	Benzoic acid	yogesh	11/14/2024 3:08:33 AM	mohammad	11/15/2024 5:49:17 AM	Peak Integrated by Software
SSTDICC010	BF140334.D	2,3,4,6-Tetrachlorophenol	yogesh	11/14/2024 3:08:38 AM	mohammad	11/15/2024 5:49:17 AM	Peak Integrated by Software
SSTDICC010	BF140334.D	Benzoic acid	yogesh	11/14/2024 3:08:38 AM	mohammad	11/15/2024 5:49:17 AM	Peak Integrated by Software
SSTDICC080	BF140339.D	Caprolactam	yogesh	11/14/2024 3:08:41 AM	mohammad	11/15/2024 5:49:17 AM	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	BF111624	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140417.D	2,4-Dimethylphenol	yogesh	11/19/2024 3:19:07 AM	mohammad	11/19/2024 3:30:32 AM	Peak Integrated by Software
PB164993BS	BF140419.D	2,4-Dimethylphenol	yogesh	11/19/2024 3:19:09 AM	mohammad	11/19/2024 3:30:32 AM	Peak Integrated by Software
PB164993BS	BF140419.D	Acenaphthene	yogesh	11/19/2024 3:19:09 AM	mohammad	11/19/2024 3:30:32 AM	Peak Integrated by Software
PB164993BS	BF140419.D	Caprolactam	yogesh	11/19/2024 3:19:09 AM	mohammad	11/19/2024 3:30:32 AM	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	bf111924	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140463.D	2,4-Dimethylphenol	yogesh	11/20/2024 7:04:10 AM	mohammad	11/20/2024 7:31:21 AM	Peak Integrated by Software
P4852-01	BF140468.D	Benzo(b)fluoranthene	yogesh	11/20/2024 7:04:15 AM	mohammad	11/20/2024 7:31:21 AM	Peak Integrated by Software
P4852-02	BF140469.D	Benzo(b)fluoranthene	yogesh	11/20/2024 7:04:16 AM	mohammad	11/20/2024 7:31:21 AM	Peak Integrated by Software
P4852-02	BF140469.D	Benzo(k)fluoranthene	yogesh	11/20/2024 7:04:16 AM	mohammad	11/20/2024 7:31:21 AM	Peak Integrated by Software
P4852-03	BF140470.D	Benzo(b)fluoranthene	yogesh	11/20/2024 7:04:18 AM	mohammad	11/20/2024 7:31:21 AM	Peak Integrated by Software
P4852-03MS	BF140471.D	Acenaphthene	yogesh	11/20/2024 7:04:19 AM	mohammad	11/20/2024 7:31:21 AM	Peak Integrated by Software
P4852-03MS	BF140471.D	Benzo(k)fluoranthene	yogesh	11/20/2024 7:04:19 AM	mohammad	11/20/2024 7:31:21 AM	Peak Integrated by Software
P4852-03MS	BF140471.D	Caprolactam	yogesh	11/20/2024 7:04:19 AM	mohammad	11/20/2024 7:31:21 AM	Peak Integrated by Software
P4852-03MSD	BF140472.D	2,4-Dimethylphenol	yogesh	11/20/2024 7:04:21 AM	mohammad	11/20/2024 7:31:21 AM	Peak Integrated by Software
P4852-03MSD	BF140472.D	Acenaphthene	yogesh	11/20/2024 7:04:21 AM	mohammad	11/20/2024 7:31:21 AM	Peak Integrated by Software
P4852-03MSD	BF140472.D	Caprolactam	yogesh	11/20/2024 7:04:21 AM	mohammad	11/20/2024 7:31:21 AM	Peak Integrated by Software

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111324

Review By	yogesh	Review On	11/14/2024 3:08:53 AM				
Supervise By	mohammad	Supervise On	11/15/2024 5:49:17 AM				
SubDirectory	BF111324	HP Acquire Method	BNA_F		HP Processing Method	Bf111324	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140331.D	13 Nov 2024 08:35	RC/JU	Ok
2	SSTDICC2.5	BF140332.D	13 Nov 2024 09:01	RC/JU	Ok
3	SSTDICC005	BF140333.D	13 Nov 2024 09:27	RC/JU	Ok,M
4	SSTDICC010	BF140334.D	13 Nov 2024 09:53	RC/JU	Ok,M
5	SSTDICC020	BF140335.D	13 Nov 2024 10:29	RC/JU	Ok
6	SSTDICCC040	BF140336.D	13 Nov 2024 10:55	RC/JU	Not Ok
7	SSTDICC050	BF140337.D	13 Nov 2024 11:21	RC/JU	Ok
8	SSTDICC060	BF140338.D	13 Nov 2024 11:47	RC/JU	Ok
9	SSTDICC080	BF140339.D	13 Nov 2024 12:13	RC/JU	Ok,M
10	SSTDICCC040	BF140340.D	13 Nov 2024 12:48	RC/JU	Ok
11	SSTDICV040	BF140341.D	13 Nov 2024 13:19	RC/JU	Ok
12	PB164401BL	BF140342.D	13 Nov 2024 13:45	RC/JU	Ok
13	P4495-11	BF140343.D	13 Nov 2024 15:25	RC/JU	Dilution
14	P4495-11DL	BF140344.D	13 Nov 2024 16:02	RC/JU	Ok
15	P3845-03	BF140345.D	13 Nov 2024 16:40	RC/JU	Dilution
16	P3845-03DL	BF140346.D	13 Nov 2024 17:06	RC/JU	Ok
17	P3845-06	BF140347.D	13 Nov 2024 17:32	RC/JU	Dilution
18	P3845-06DL	BF140348.D	13 Nov 2024 17:58	RC/JU	Not Ok
19	SP6681	BF140349.D	13 Nov 2024 18:39	RC/JU	Ok,NR

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111624

Review By	yogesh	Review On	11/19/2024 3:19:51 AM				
Supervise By	mohammad	Supervise On	11/19/2024 3:30:32 AM				
SubDirectory	BF111624	HP Acquire Method	BNA_F		HP Processing Method	Bf111324	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140416.D	16 Nov 2024 09:08	RC/JU	Ok
2	SSTDCCC040	BF140417.D	16 Nov 2024 09:34	RC/JU	Ok,M
3	PB164993BL	BF140418.D	16 Nov 2024 10:02	RC/JU	Ok
4	PB164993BS	BF140419.D	16 Nov 2024 10:28	RC/JU	Ok,M
5	P4821-04	BF140420.D	16 Nov 2024 11:01	RC/JU	ReRun
6	P4821-08	BF140421.D	16 Nov 2024 11:27	RC/JU	Ok
7	P4823-04	BF140422.D	16 Nov 2024 11:53	RC/JU	Ok
8	P4833-04	BF140423.D	16 Nov 2024 12:19	RC/JU	Ok
9	P4833-08	BF140424.D	16 Nov 2024 12:46	RC/JU	Ok
10	P4824-01	BF140425.D	16 Nov 2024 13:12	RC/JU	Ok
11	P4821-05	BF140426.D	16 Nov 2024 13:38	RC/JU	Ok
12	P4833-01	BF140427.D	16 Nov 2024 14:04	RC/JU	Ok
13	P4833-01MS	BF140428.D	16 Nov 2024 14:31	RC/JU	Ok,M
14	P4833-01MSD	BF140429.D	16 Nov 2024 14:57	RC/JU	Ok,M
15	P4848-01	BF140430.D	16 Nov 2024 15:23	RC/JU	Ok,M
16	P4821-01	BF140431.D	16 Nov 2024 15:49	RC/JU	Ok
17	P4821-01MS	BF140432.D	16 Nov 2024 16:16	RC/JU	Ok,M
18	P4821-01MSD	BF140433.D	16 Nov 2024 16:42	RC/JU	Ok,M
19	P4823-01	BF140434.D	16 Nov 2024 17:08	RC/JU	Ok,M
20	P4768-02	BF140435.D	16 Nov 2024 17:34	RC/JU	Ok,M
21	P4833-05	BF140436.D	16 Nov 2024 18:00	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111624

Review By	yogesh	Review On	11/19/2024 3:19:51 AM				
Supervise By	mohammad	Supervise On	11/19/2024 3:30:32 AM				
SubDirectory	BF111624	HP Acquire Method	BNA_F		HP Processing Method	Bf111324	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4849-01	BF140437.D	16 Nov 2024 18:27	RC/JU	ReRun
23	P4768-04	BF140438.D	16 Nov 2024 18:53	RC/JU	Ok
24	P4768-03	BF140439.D	16 Nov 2024 19:19	RC/JU	ReRun
25	P4859-01	BF140440.D	16 Nov 2024 19:45	RC/JU	ReRun
26	P4857-01	BF140441.D	16 Nov 2024 20:11	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111924

Review By	yogesh	Review On	11/20/2024 7:05:01 AM				
Supervise By	mohammad	Supervise On	11/20/2024 7:31:21 AM				
SubDirectory	BF111924	HP Acquire Method	BNA_F		HP Processing Method	Bf111324	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140462.D	19 Nov 2024 09:32	RC/JU	Ok
2	SSTDCCC040	BF140463.D	19 Nov 2024 10:34	RC/JU	Ok,M
3	PB165019TB	BF140464.D	19 Nov 2024 11:00	RC/JU	Ok
4	P4848-02MS	BF140465.D	19 Nov 2024 11:36	RC/JU	Ok,M
5	P4848-02MSD	BF140466.D	19 Nov 2024 12:02	RC/JU	Ok,M
6	P4870-04	BF140467.D	19 Nov 2024 12:28	RC/JU	Ok
7	P4852-01	BF140468.D	19 Nov 2024 12:54	RC/JU	Ok,M
8	P4852-02	BF140469.D	19 Nov 2024 13:21	RC/JU	Ok,M
9	P4852-03	BF140470.D	19 Nov 2024 13:47	RC/JU	Ok,M
10	P4852-03MS	BF140471.D	19 Nov 2024 14:13	RC/JU	Ok,M
11	P4852-03MSD	BF140472.D	19 Nov 2024 14:39	RC/JU	Ok,M
12	P4771-05	BF140473.D	19 Nov 2024 15:06	RC/JU	Ok,M
13	P4771-07	BF140474.D	19 Nov 2024 15:32	RC/JU	Ok,M
14	P4889-03	BF140475.D	19 Nov 2024 15:58	RC/JU	Ok,M
15	P4869-01	BF140476.D	19 Nov 2024 16:24	RC/JU	Ok
16	P4870-01	BF140477.D	19 Nov 2024 16:51	RC/JU	Ok
17	P4857-03	BF140478.D	19 Nov 2024 17:17	RC/JU	Ok,M
18	P4889-05	BF140479.D	19 Nov 2024 17:43	RC/JU	Dilution
19	P4889-01	BF140480.D	19 Nov 2024 18:10	RC/JU	Ok,M
20	P4849-01	BF140481.D	19 Nov 2024 18:36	RC/JU	Ok,M
21	P4768-03	BF140482.D	19 Nov 2024 19:02	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111924

Review By	yogesh	Review On	11/20/2024 7:05:01 AM				
Supervise By	mohammad	Supervise On	11/20/2024 7:31:21 AM				
SubDirectory	BF111924	HP Acquire Method	BNA_F		HP Processing Method	Bf111324	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4859-01RE	BF140483.D	19 Nov 2024 19:28	RC/JU	Confirms
23	P4908-01	BF140484.D	19 Nov 2024 19:54	RC/JU	Ok
24	P4908-03	BF140485.D	19 Nov 2024 20:20	RC/JU	Ok,M
25	P4768-07	BF140486.D	19 Nov 2024 20:47	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111324

Review By	yogesh	Review On	11/14/2024 3:08:53 AM		
Supervise By	mohammad	Supervise On	11/15/2024 5:49:17 AM		
SubDirectory	BF111324	HP Acquire Method	BNA_F	HP Processing Method	Bf111324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140331.D	13 Nov 2024 08:35		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF140332.D	13 Nov 2024 09:01		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF140333.D	13 Nov 2024 09:27	Compound#41,54,77 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF140334.D	13 Nov 2024 09:53		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF140335.D	13 Nov 2024 10:29		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF140336.D	13 Nov 2024 10:55	Injection Error	RC/JU	Not Ok
7	SSTDICC050	SSTDICC050	BF140337.D	13 Nov 2024 11:21		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF140338.D	13 Nov 2024 11:47		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF140339.D	13 Nov 2024 12:13	Compound#09 removed from 80 ppm	RC/JU	Ok,M
10	SSTDICCC040	SSTDICCC040	BF140340.D	13 Nov 2024 12:48		RC/JU	Ok
11	SSTDICV040	ICVBF111324	BF140341.D	13 Nov 2024 13:19		RC/JU	Ok
12	PB164401BL	PB164401BL	BF140342.D	13 Nov 2024 13:45		RC/JU	Ok
13	P4495-11	PT-BNA-SOIL	BF140343.D	13 Nov 2024 15:25	PT Sample, Need 5X Dilution	RC/JU	Dilution
14	P4495-11DL	PT-BNA-SOILDL	BF140344.D	13 Nov 2024 16:02		RC/JU	Ok
15	P3845-03	PT-BN-WP	BF140345.D	13 Nov 2024 16:40	PT Sample Analyzed for confirmation - Need 5X Dilution.	RC/JU	Dilution
16	P3845-03DL	PT-BN-WPDL	BF140346.D	13 Nov 2024 17:06		RC/JU	Ok
17	P3845-06	PT-ACIDS-WP	BF140347.D	13 Nov 2024 17:32	PT Sample Analyzed for confirmation - Need 5X Dilution.	RC/JU	Dilution

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111324

Review By	yogesh	Review On	11/14/2024 3:08:53 AM		
Supervise By	mohammad	Supervise On	11/15/2024 5:49:17 AM		
SubDirectory	BF111324	HP Acquire Method	BNA_F	HP Processing Method	Bf111324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P3845-06DL	PT-ACIDS-WPDL	BF140348.D	13 Nov 2024 17:58	Dilution not matching (Low results)	RC/JU	Not Ok
19	SP6681	SP6681	BF140349.D	13 Nov 2024 18:39	8270-625.1 SPIKE SOLUTION	RC/JU	Ok,NR

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111624

Review By	yogesh	Review On	11/19/2024 3:19:51 AM		
Supervise By	mohammad	Supervise On	11/19/2024 3:30:32 AM		
SubDirectory	BF111624	HP Acquire Method	BNA_F	HP Processing Method	Bf111324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140416.D	16 Nov 2024 09:08		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140417.D	16 Nov 2024 09:34		RC/JU	Ok,M
3	PB164993BL	PB164993BL	BF140418.D	16 Nov 2024 10:02		RC/JU	Ok
4	PB164993BS	PB164993BS	BF140419.D	16 Nov 2024 10:28		RC/JU	Ok,M
5	P4821-04	BP-F-24	BF140420.D	16 Nov 2024 11:01	Internal Standard and Surrogate Fail	RC/JU	ReRun
6	P4821-08	BP-F-2	BF140421.D	16 Nov 2024 11:27		RC/JU	Ok
7	P4823-04	MH-4	BF140422.D	16 Nov 2024 11:53		RC/JU	Ok
8	P4833-04	MH-731	BF140423.D	16 Nov 2024 12:19		RC/JU	Ok
9	P4833-08	TP-2	BF140424.D	16 Nov 2024 12:46		RC/JU	Ok
10	P4824-01	T-20	BF140425.D	16 Nov 2024 13:12	Internal standard fail - hydrocarbons	RC/JU	Ok
11	P4821-05	BP-F-2	BF140426.D	16 Nov 2024 13:38		RC/JU	Ok
12	P4833-01	MH-731	BF140427.D	16 Nov 2024 14:04		RC/JU	Ok
13	P4833-01MS	MH-731MS	BF140428.D	16 Nov 2024 14:31		RC/JU	Ok,M
14	P4833-01MSD	MH-731MSD	BF140429.D	16 Nov 2024 14:57		RC/JU	Ok,M
15	P4848-01	TP-1	BF140430.D	16 Nov 2024 15:23		RC/JU	Ok,M
16	P4821-01	BP-F-24	BF140431.D	16 Nov 2024 15:49		RC/JU	Ok
17	P4821-01MS	BP-F-24MS	BF140432.D	16 Nov 2024 16:16		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111624

Review By	yogesh	Review On	11/19/2024 3:19:51 AM		
Supervise By	mohammad	Supervise On	11/19/2024 3:30:32 AM		
SubDirectory	BF111624	HP Acquire Method	BNA_F	HP Processing Method	Bf111324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P4821-01MSD	BP-F-24MSD	BF140433.D	16 Nov 2024 16:42		RC/JU	Ok,M
19	P4823-01	MH-4	BF140434.D	16 Nov 2024 17:08		RC/JU	Ok,M
20	P4768-02	B-3-2	BF140435.D	16 Nov 2024 17:34		RC/JU	Ok,M
21	P4833-05	TP-2	BF140436.D	16 Nov 2024 18:00		RC/JU	Ok
22	P4849-01	RR-1	BF140437.D	16 Nov 2024 18:27	Internal Standard Fail	RC/JU	ReRun
23	P4768-04	B-4	BF140438.D	16 Nov 2024 18:53		RC/JU	Ok
24	P4768-03	B-3-3	BF140439.D	16 Nov 2024 19:19	Internal Standard Fail	RC/JU	ReRun
25	P4859-01	NB-08-111424	BF140440.D	16 Nov 2024 19:45	Internal Standard Fail	RC/JU	ReRun
26	P4857-01	ETGI-328	BF140441.D	16 Nov 2024 20:11	Internal standard fail - hydrocarbons and oily matrix	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111924

Review By	yogesh	Review On	11/20/2024 7:05:01 AM		
Supervise By	mohammad	Supervise On	11/20/2024 7:31:21 AM		
SubDirectory	BF111924	HP Acquire Method	BNA_F	HP Processing Method	Bf111324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140462.D	19 Nov 2024 09:32		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140463.D	19 Nov 2024 10:34		RC/JU	Ok,M
3	PB165019TB	PB165019TB	BF140464.D	19 Nov 2024 11:00		RC/JU	Ok
4	P4848-02MS	TP-1MS	BF140465.D	19 Nov 2024 11:36		RC/JU	Ok,M
5	P4848-02MSD	TP-1MSD	BF140466.D	19 Nov 2024 12:02		RC/JU	Ok,M
6	P4870-04	MH-735	BF140467.D	19 Nov 2024 12:28		RC/JU	Ok
7	P4852-01	COMP-1	BF140468.D	19 Nov 2024 12:54		RC/JU	Ok,M
8	P4852-02	COMP-2	BF140469.D	19 Nov 2024 13:21		RC/JU	Ok,M
9	P4852-03	COMP-3	BF140470.D	19 Nov 2024 13:47		RC/JU	Ok,M
10	P4852-03MS	COMP-3MS	BF140471.D	19 Nov 2024 14:13		RC/JU	Ok,M
11	P4852-03MSD	COMP-3MSD	BF140472.D	19 Nov 2024 14:39		RC/JU	Ok,M
12	P4771-05	P-1	BF140473.D	19 Nov 2024 15:06		RC/JU	Ok,M
13	P4771-07	P-2	BF140474.D	19 Nov 2024 15:32		RC/JU	Ok,M
14	P4889-03	#72-11978	BF140475.D	19 Nov 2024 15:58		RC/JU	Ok,M
15	P4869-01	EO-02-11152024	BF140476.D	19 Nov 2024 16:24		RC/JU	Ok
16	P4870-01	TP-1	BF140477.D	19 Nov 2024 16:51		RC/JU	Ok
17	P4857-03	VNJ-226	BF140478.D	19 Nov 2024 17:17		RC/JU	Ok,M
18	P4889-05	#72-11930	BF140479.D	19 Nov 2024 17:43	Need 5X Dilution	RC/JU	Dilution

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111924

Review By	yogesh	Review On	11/20/2024 7:05:01 AM		
Supervise By	mohammad	Supervise On	11/20/2024 7:31:21 AM		
SubDirectory	BF111924	HP Acquire Method	BNA_F	HP Processing Method	Bf111324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4889-01	VNJ-228	BF140480.D	19 Nov 2024 18:10		RC/JU	Ok,M
20	P4849-01	RR-1	BF140481.D	19 Nov 2024 18:36		RC/JU	Ok,M
21	P4768-03	B-3-3	BF140482.D	19 Nov 2024 19:02		RC/JU	Ok
22	P4859-01RE	NB-08-111424RE	BF140483.D	19 Nov 2024 19:28	Fax is already given	RC/JU	Confirms
23	P4908-01	SP-1	BF140484.D	19 Nov 2024 19:54		RC/JU	Ok
24	P4908-03	SP-2	BF140485.D	19 Nov 2024 20:20		RC/JU	Ok,M
25	P4768-07	B-6-3	BF140486.D	19 Nov 2024 20:47		RC/JU	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/15/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 16:50
In Date: 11/14/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:14
Out Date: 11/15/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133451

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P4839-01	EX-9-TPH-9	1	1.14	8.58	9.72	8.44	85.1	
P4839-02	EX-9-TPH-10	2	1.15	8.54	9.69	8.61	87.4	
P4839-03	EX-9-TPH-11	3	1.18	8.53	9.71	8.55	86.4	
P4839-04	EX-9-TPH-12	4	1.15	8.82	9.97	8.85	87.3	
P4839-05	EX-9-TPH-13	5	1.12	8.70	9.82	8.64	86.4	
P4839-06	EX-9-TPH-14	6	1.15	8.82	9.97	8.9	87.9	
P4839-07	EX-9-TPH-15	7	1.15	8.40	9.55	8.1	82.7	
P4839-08	EX-9-TPH-16	8	1.15	8.83	9.98	8.54	83.7	
P4839-09	EX-9-TPH-17	9	1.15	8.82	9.97	9.06	89.7	
P4839-10	EX-9-TPH-18	10	1.12	8.87	9.99	8.13	79.0	
P4839-11	EX-9-TPH-19	11	1.16	8.73	9.89	8.43	83.3	
P4839-12	EX-9-TPH-20	12	1.14	8.80	9.94	8.11	79.2	
P4839-13	EX-9-TPH-21	13	1.16	8.47	9.63	7.99	80.6	
P4839-14	EX-10-TPH-1	14	1.14	8.56	9.7	8.41	84.9	
P4839-15	EX-10-TPH-2	15	1.18	8.80	9.98	8.57	84.0	
P4839-16	EX-10-TPH-3	16	1.17	8.60	9.77	7.84	77.6	
P4839-17	EX-4-TPH-1	17	1.13	8.80	9.93	8.51	83.9	
P4839-18	EX-4-TPH-2	18	1.13	8.81	9.94	8.69	85.8	
P4839-19	EX-4-TPH-3	19	1.15	8.82	9.97	8.58	84.2	
P4839-20	EX-4-TPH-4	20	1.17	8.40	9.57	8.22	83.9	
P4839-21	EX-4-TPH-5	21	1.18	8.81	9.99	8.65	84.8	
P4839-22	EX-4-TPH-6	22	1.15	8.82	9.97	9.04	89.5	
P4848-01	TP-1	26	1.17	8.58	9.75	8.49	85.3	
P4849-01	RR-1	27	1.18	8.64	9.82	8.88	89.1	
P4850-01	OR-03-11142024	28	1.15	8.53	9.68	9.11	93.3	
P4850-02	OR-03-11142024-E2	29	1.18	8.60	9.78	8.81	88.7	
P4852-01	COMP-1	23	1.16	8.45	9.61	8.19	83.2	
P4852-02	COMP-2	24	1.17	8.60	9.77	8.17	81.4	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/15/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 16:50
In Date: 11/14/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:14
Out Date: 11/15/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133451

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P4852-03	COMP-3	25	1.15	8.81	9.96	8.94	88.4	
P4857-01	ETGI-328	30	1.16	8.50	9.66	8.75	89.3	
P4857-02	ETGI-328-E2	31	1.00	1.00	2.00	2.00	100.0	debris
P4857-03	VNJ-226	32	1.18	8.72	9.9	9.37	93.9	
P4857-04	VNJ-226-E2	33	1.15	8.76	9.91	9.38	93.9	
P4858-01	BC258780-1-1	34	1.00	1.00	2.00	2.00	100.0	pilc
P4858-02	BC258780-1-2	35	1.00	1.00	2.00	2.00	100.0	pilc
P4858-03	BC258780-2-1	36	1.00	1.00	2.00	2.00	100.0	pilc
P4858-04	BC258780-2-2	37	1.00	1.00	2.00	2.00	100.0	pilc
P4858-05	HIH269B-1-1	38	1.00	1.00	2.00	2.00	100.0	pilc
P4858-06	HIH269B-1-2	39	1.00	1.00	2.00	2.00	100.0	pilc
P4858-07	BC225734-1-1	40	1.00	1.00	2.00	2.00	100.0	pilc
P4858-08	BC225734-1-2	41	1.00	1.00	2.00	2.00	100.0	pilc
P4858-09	BC225734-2-1	42	1.00	1.00	2.00	2.00	100.0	pilc
P4858-10	BC225734-2-2	43	1.00	1.00	2.00	2.00	100.0	pilc
P4858-11	BC248150-1-1	44	1.00	1.00	2.00	2.00	100.0	pilc
P4858-12	BC248150-1-2	45	1.00	1.00	2.00	2.00	100.0	pilc
P4858-13	Y2309-0044-1-1	46	1.00	1.00	2.00	2.00	100.0	pilc
P4858-14	Y2309-0044-1-2	47	1.00	1.00	2.00	2.00	100.0	pilc
P4858-15	BC274768-1-1	48	1.00	1.00	2.00	2.00	100.0	pilc
P4858-16	BC274768-1-2	49	1.00	1.00	2.00	2.00	100.0	pilc
P4858-17	BC274601-1-1	50	1.00	1.00	2.00	2.00	100.0	pilc
P4858-18	BC274601-1-2	51	1.00	1.00	2.00	2.00	100.0	pilc
P4859-01	NB-08-111424	52	1.18	8.54	9.72	9.03	91.9	
P4859-02	NB-08-111424-E2	53	1.19	8.52	9.71	9.04	92.1	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 133451

WorkList Name : %1-111424 **WorkList ID :** 185415 **Department :** Wet-Chemistry **Date :** 11-14-2024 07:57:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4839-01	EX-9-TPH-9	Solid	Percent Solids	Cool 4 deg C	ENTA05	L31	11/13/2024	Chemtech -SO
P4839-02	EX-9-TPH-10	Solid	Percent Solids	Cool 4 deg C	ENTA05	L31	11/13/2024	Chemtech -SO
P4839-03	EX-9-TPH-11	Solid	Percent Solids	Cool 4 deg C	ENTA05	L31	11/13/2024	Chemtech -SO
P4839-04	EX-9-TPH-12	Solid	Percent Solids	Cool 4 deg C	ENTA05	L31	11/13/2024	Chemtech -SO
P4839-05	EX-9-TPH-13	Solid	Percent Solids	Cool 4 deg C	ENTA05	L31	11/13/2024	Chemtech -SO
P4839-06	EX-9-TPH-14	Solid	Percent Solids	Cool 4 deg C	ENTA05	L31	11/13/2024	Chemtech -SO
P4839-07	EX-9-TPH-15	Solid	Percent Solids	Cool 4 deg C	ENTA05	L31	11/13/2024	Chemtech -SO
P4839-08	EX-9-TPH-16	Solid	Percent Solids	Cool 4 deg C	ENTA05	L31	11/13/2024	Chemtech -SO
P4839-09	EX-9-TPH-17	Solid	Percent Solids	Cool 4 deg C	ENTA05	L31	11/13/2024	Chemtech -SO
P4839-10	EX-9-TPH-18	Solid	Percent Solids	Cool 4 deg C	ENTA05	L31	11/13/2024	Chemtech -SO
P4839-11	EX-9-TPH-19	Solid	Percent Solids	Cool 4 deg C	ENTA05	L31	11/13/2024	Chemtech -SO
P4839-12	EX-9-TPH-20	Solid	Percent Solids	Cool 4 deg C	ENTA05	L31	11/13/2024	Chemtech -SO
P4839-13	EX-9-TPH-21	Solid	Percent Solids	Cool 4 deg C	ENTA05	L31	11/13/2024	Chemtech -SO
P4839-14	EX-10-TPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	L31	11/13/2024	Chemtech -SO
P4839-15	EX-10-TPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	L31	11/13/2024	Chemtech -SO
P4839-16	EX-10-TPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	L31	11/13/2024	Chemtech -SO
P4839-17	EX-4-TPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	L31	11/13/2024	Chemtech -SO
P4839-18	EX-4-TPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	L31	11/13/2024	Chemtech -SO
P4839-19	EX-4-TPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	L31	11/13/2024	Chemtech -SO
P4839-20	EX-4-TPH-4	Solid	Percent Solids	Cool 4 deg C	ENTA05	L31	11/13/2024	Chemtech -SO
P4839-21	EX-4-TPH-5	Solid	Percent Solids	Cool 4 deg C	ENTA05	L31	11/13/2024	Chemtech -SO

Date/Time 11-14-24 16:10

Raw Sample Received by: JD (WC)

Raw Sample Relinquished by: RS (Ext-Lab)

Date/Time 11-14-24 17:10

Raw Sample Received by: RS (Ext-Lab)

Raw Sample Relinquished by: JD (WC)

WORKLIST(Hardcopy Internal Chain)

VB 133451

WorkList Name : %1-111424 **WorkList ID :** 185415 **Department :** Wet-Chemistry **Date :** 11-14-2024 07:57:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4839-22	EX-4-TPH-6	Solid	Percent Solids	Cool 4 deg C	ENTA05	L31	11/13/2024	Chemtech -SO
P4848-01	TP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	11/14/2024	Chemtech -SO
P4849-01	RR-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	11/14/2024	Chemtech -SO
P4850-01	OR-03-11142024	Solid	Percent Solids	Cool 4 deg C	PSEG05	L11	11/14/2024	Chemtech -SO
P4850-02	OR-03-11142024-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L11	11/14/2024	Chemtech -SO
P4852-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	POWE02	L41	11/13/2024	Chemtech -SO
P4852-02	COMP-2	Solid	Percent Solids	Cool 4 deg C	POWE02	L41	11/13/2024	Chemtech -SO
P4852-03	COMP-3	Solid	Percent Solids	Cool 4 deg C	POWE02	L41	11/13/2024	Chemtech -SO
P4857-01	ETGI-328	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	11/14/2024	Chemtech -SO
P4857-02	ETGI-328-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	11/14/2024	Chemtech -SO
P4857-03	VNJ-226	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	11/14/2024	Chemtech -SO
P4857-04	VNJ-226-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	11/14/2024	Chemtech -SO
P4858-01	BC258780-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/14/2024	Chemtech -SO
P4858-02	BC258780-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/14/2024	Chemtech -SO
P4858-03	BC258780-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/14/2024	Chemtech -SO
P4858-04	BC258780-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/14/2024	Chemtech -SO
P4858-05	HIH269B-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/14/2024	Chemtech -SO
P4858-06	HIH269B-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/14/2024	Chemtech -SO
P4858-07	BC225734-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/14/2024	Chemtech -SO
P4858-08	BC225734-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/14/2024	Chemtech -SO
P4858-09	BC225734-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/14/2024	Chemtech -SO

Date/Time 11-14-24 16:10

Raw Sample Received by: [signature]

Raw Sample Relinquished by: RS (ESC Lab)

Date/Time 11-24-24 17:10

Raw Sample Received by: RS (ESC Lab)

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

JB 133451

WorkList Name : %1-111424 **WorkList ID :** 185415 **Department :** Wet-Chemistry **Date :** 11-14-2024 07:57:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4858-10	BC225734-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/14/2024	Chemtech -SO
P4858-11	BC248150-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/14/2024	Chemtech -SO
P4858-12	BC248150-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/14/2024	Chemtech -SO
P4858-13	Y2309-0044-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/14/2024	Chemtech -SO
P4858-14	Y2309-0044-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/14/2024	Chemtech -SO
P4858-15	BC274768-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/14/2024	Chemtech -SO
P4858-16	BC274768-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/14/2024	Chemtech -SO
P4858-17	BC274601-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/14/2024	Chemtech -SO
P4858-18	BC274601-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/14/2024	Chemtech -SO
P4859-01	NB-08-111424	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	11/14/2024	Chemtech -SO
P4859-02	NB-08-111424-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L41	11/14/2024	Chemtech -SO

Date/Time 11-14-24 1610

Raw Sample Received by: [signature]

Raw Sample Relinquished by: RS (Ext-Lab)

Date/Time 11-14-24 1710

Raw Sample Received by: RS (Ext-Lab)

Raw Sample Relinquished by: [signature]

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB164993

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 11/15/2024

Extraction Start Time : 09:30

Extraction End Date : 11/15/2024

Extraction End Time : 13:10

Concentration By: EH

Supervisor By : rajesh

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6630
Surrogate	1.0ML	100/150 PPM	SP6638
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2560
Baked Na2SO4	N/A	EP2562
Sand	N/A	E2865
Methylene Chloride	N/A	E3828
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673. P 4857-03 Limited volume used as sample is Oily debries.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/15/24	RP (Ext-206)	RC/SVOC
13:15	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB164993

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 11/15/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164993BL	SBLK993	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U5-1
PB164993BS	SLCS993	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			2
P4848-01	TP-1	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	E		3
P4849-01	RR-1	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	E		4
P4850-01	OR-03-11142024	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	E		5
P4851-01	OK-02-11142024	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		6
P4852-01	COMP-1	SVOCMS Group1	30.04	N/A	ritesh	Evelyn	1	E		U6-1
P4852-02	COMP-2	SVOCMS Group1	30.05	N/A	ritesh	Evelyn	1	E		2
P4852-03	COMP-3	SVOCMS Group1	30.03	N/A	ritesh	Evelyn	1	E		3
P4852-03MS	COMP-3MS	SVOCMS Group1	30.08	N/A	ritesh	Evelyn	1	E		4
P4852-03MSD	COMP-3MSD	SVOCMS Group1	30.06	N/A	ritesh	Evelyn	1	E		5
P4857-01	ETGI-328	SVOC-TCL BNA -20	5.07	N/A	ritesh	Evelyn	1	E	Oily Debris+Small Particles	6
P4857-03	VNJ-226	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	E		U1-1
P4859-01	NB-08-111424	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	E		2
P4870-01	TP-1	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	B		3
P4870-04	MH-735	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	B		4
P4870-07	MH-736	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	B		5
P4870-10	TP-15	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	B		6

* **Extracts relinquished on the same date as received.**

11/15/24

16493
BN

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4851S **WorkList ID :** 185482 **Department :** Extraction **Date :** 11-15-2024 10:00:37

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4851-01	OK-02-11142024	Solid	EPH_NF	Cool 4 deg C	PSEG05	L41	11/14/2024	NJEPH
P4851-01	OK-02-11142024	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	L41	11/14/2024	8270E
P4851-02	OK-02-11142024-E2	Solid	EPH_NF	Cool 4 deg C	PSEG05	L41	11/14/2024	NJEPH
P4870-01	TP-1	Solid	EPH_NF	Cool 4 deg C	PSEG03		11/14/2024	NJEPH
P4870-02	TP-1-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	M11	11/14/2024	NJEPH
P4870-04	MH-735	Solid	EPH_NF	Cool 4 deg C	PSEG03		11/14/2024	NJEPH
P4870-04	MH-735	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03		11/14/2024	8270E
P4870-05	MH-735-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	M11	11/14/2024	NJEPH
P4870-07	MH-736	Solid	EPH_NF	Cool 4 deg C	PSEG03		11/14/2024	NJEPH
P4870-07	MH-736	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03		11/14/2024	8270E
P4870-08	MH-736-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	M11	11/14/2024	NJEPH
P4870-10	TP-15	Solid	EPH_NF	Cool 4 deg C	PSEG03		11/14/2024	NJEPH
P4870-10	TP-15	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03		11/14/2024	8270E
P4870-11	TP-15-EPH	Solid	EPH_NF	Cool 4 deg C	PSEG03	M11	11/14/2024	NJEPH

Date/Time 11/15/24 10:00
Raw Sample Received by: RJ (See Lab)
Raw Sample Relinquished by:

Date/Time 11/15/24 10:15
Raw Sample Received by:
Raw Sample Relinquished by: RJ (See Lab)

106993
9:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4857 **WorkList ID :** 185454 **Department :** Extraction **Date :** 11-15-2024 08:06:02

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4848-01	TP-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	11/14/2024	8270E
P4849-01	RR-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L51	11/14/2024	8270E
P4850-01	OR-03-11142024	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	L11	11/14/2024	8270E
P4852-01	COMP-1	Solid	SVOCMS Group1	Cool 4 deg C	POWE02	L41	11/13/2024	8270E
P4852-02	COMP-2	Solid	SVOCMS Group1	Cool 4 deg C	POWE02	L41	11/13/2024	8270E
P4852-03	COMP-3	Solid	SVOCMS Group1	Cool 4 deg C	POWE02	L41	11/13/2024	8270E
P4857-01	ETGI-328	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	11/14/2024	8270E
P4857-03	VNJ-226	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	11/14/2024	8270E
P4859-01	NB-08-111424	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	L41	11/14/2024	8270E

Date/Time 11/15/24 9:25
Raw Sample Received by: RJ (Bell Labs)
Raw Sample Relinquished by:

Date/Time 11/15/24 9:55
Raw Sample Received by:
Raw Sample Relinquished by: RJ (Bell Labs)

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. QUOTE NO. P4852
COC Number 2042294

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Kleinfelder
ADDRESS: 2 S Gold Drive
CITY Hamilton STATE: NJ ZIP: 08691
ATTENTION: Mark Warchol
PHONE: 609-584-5271 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Webster School
PROJECT NO.: 25001986.001A LOCATION: Philadelphia, PA
PROJECT MANAGER: Mark Warchol
e-mail: mwarchol@kleinfelder.com
PHONE: 484-883-3892 FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS: Same
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) 5 DAYS*
HARDCOPY (DATA PACKAGE): 5 DAYS*
EDD: 5 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☑ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ EDD FORMAT
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other

ANALYSIS

PA TPC Clean Parameters Hold

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	COMP-1	Soil	✓		11/13/24	9:40	3	✓									
2.	COMP-2	↓	↓		↓	10:20	↓	↓									
3.	COMP-3	↓	↓		↓	10:50	↓	↓									
4.	~~SB-1~~ JC	↓		✓	↓		1		✓								
5.	SB-2	↓		↓	↓	9:25	↓		↓								
6.	SB-3	↓		↓	↓	9:30	↓		↓								
7.	SB-4	↓		↓	↓	9:35	↓		↓								
8.	SB-5	↓		↓	↓	9:45	↓		↓								
9.	SB-6	↓		↓	↓	9:50	↓		↓								
10.	SB-7	↓		↓	↓	9:55	↓		↓								

PRESERVATIVES: 1 = E, 2 = E

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

	RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.		11/13/24 15:15	
2.		11-14-24 1049	
3.			

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 5.3 °C
Comments: Place all grab samples on hold, no analysis until further notice
TR Cont #1

Page 1 of 2

CLIENT: ☐ Hand Delivered ✓ Other FedEx
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. P4852
QUOTE NO.
COC Number 2042293

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Kleinfelder
ADDRESS: 2 S Gold Drive
CITY Hamilton STATE: NJ ZIP: 08691
ATTENTION: Mark Warchol
PHONE: 609-584-5271 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Webster School
PROJECT NO.: 20001986.001A LOCATION: Philadelphia, PA
PROJECT MANAGER: Mark Warchol
e-mail: mwarchol@kleinfelder.com
PHONE: 484-883-3892 FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS: Same
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) 5 DAYS*
HARDCOPY (DATA PACKAGE): 5 DAYS*
EDD: 5 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 4 (QC + Full Raw Data)
- ☑ Level 2 (Results + QC)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT

ANALYSIS

PRESERVATIVES: E

1	2	3	4	5	6	7	8	9
Hold								

COMMENTS: ← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
1.	SB-8	Soil		✓	11/13/24	10:15	1	✓									
2.	SB-9	↓		↓	↓	10:25	↓	↓									
3.	SB-10					10:30											
4.	SB-11					10:40											
5.	SB-12			↓	↓	10:45	↓	↓									
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	11/13/24 15:15	1.
2.	11-14-24 1049	2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 5.3-C °C
Comments: Place all grab samples on hold, no analysis until further notice

Page 2 of 2

CLIENT: ☐ Hand Delivered ☑ Other Fed Ex
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4852 POWE02
Client Name : Kleinfelder
Client Contact : Mark Warchol
Invoice Name : Kleinfelder
Invoice Contact : Mark Warchol

Order Date : 11/14/2024 11:23:00 AM
Project Name : Webster School
Receive DateTime : 11/14/2024 10:49:00 AM
Purchase Order :

Project Mgr :
Report Type : Results+QC
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4852-01	COMP-1	Solid	11/13/2024	09:40					
					VOCMS Group1		8260D		5 Bus. Days
P4852-02	COMP-2	Solid	11/13/2024	10:20					
					VOCMS Group1		8260D		5 Bus. Days
P4852-03	COMP-3	Solid	11/13/2024	10:50					
					VOCMS Group1		8260D		5 Bus. Days

Relinguished By : _____
Date / Time : 11-14-24 1233

Received By : _____
Date / Time : 11-14-24 12:33

Storage Area : VOA Refridgerator Room