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

Hit Summary Sheet
SW-846

SDG No.: P4397

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								
				0.000				
			Total Svoc :			**0.00**		
			Total Concentration:			**0.00**		

SAMPLE DATA

Raw Data: **BF139967.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/10/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/11/24
Client Sample ID:	WB-301-BOT	SDG No.:	P4397
Lab Sample ID:	P4397-06	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF139967.D	1	10/22/24 10:30	10/23/24 16:32	PB164315

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	134		15 (10) - 110 (139)	89%	SPK: 150
13127-88-3	Phenol-d6	127		15 (10) - 110 (134)	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	98.6		30 (49) - 130 (133)	99%	SPK: 100
321-60-8	2-Fluorobiphenyl	91.9		30 (52) - 130 (132)	92%	SPK: 100
118-79-6	2,4,6-Tribromophenol	158		15 (44) - 110 (137)	105%	SPK: 150
1718-51-0	Terphenyl-d14	91.2		30 (48) - 130 (125)	91%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	156000	6.892			
1146-65-2	Naphthalene-d8	613000	8.169			
15067-26-2	Acenaphthene-d10	338000	9.927			
1517-22-2	Phenanthrene-d10	580000	11.41			
1719-03-5	Chrysene-d12	346000	14.051			
1520-96-3	Perylene-d12	384000	15.527			

Raw Data: **BF139967.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	10/10/24
Project:	Amtrak Sawtooth Bridges 2024			Date Received:	10/11/24
Client Sample ID:	WB-301-BOT			SDG No.:	P4397
Lab Sample ID:	P4397-06			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
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
BF139967.D	1	10/22/24 10:30	10/23/24 16:32	PB164315

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

Raw Data: **BF139995.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/22/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/22/24
Client Sample ID:	PB164301TB	SDG No.:	P4397
Lab Sample ID:	PB164301TB	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BF139995.D	1	10/22/24 10:30	10/24/24 12:17	PB164315

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	134		15 (10) - 110 (139)	90%	SPK: 150
13127-88-3	Phenol-d6	129		15 (10) - 110 (134)	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	98.4		30 (49) - 130 (133)	98%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.8		30 (52) - 130 (132)	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	161		15 (44) - 110 (137)	108%	SPK: 150
1718-51-0	Terphenyl-d14	93.5		30 (48) - 130 (125)	93%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	151000	6.886			
1146-65-2	Naphthalene-d8	595000	8.169			
15067-26-2	Acenaphthene-d10	334000	9.927			
1517-22-2	Phenanthrene-d10	606000	11.41			
1719-03-5	Chrysene-d12	377000	14.051			
1520-96-3	Perylene-d12	307000	15.527			

Raw Data: **BF139995.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	10/22/24
Project:	Amtrak Sawtooth Bridges 2024			Date Received:	10/22/24
Client Sample ID:	PB164301TB			SDG No.:	P4397
Lab Sample ID:	PB164301TB			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
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
BF139995.D	1	10/22/24 10:30	10/24/24 12:17	PB164315

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

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SW-846

SDG No.: P4397

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4397-06	WB-301-BOT	2-Fluorophenol	150	134	89		15 (10)	110 (139)
		Phenol-d6	150	127	85		15 (10)	110 (134)
		Nitrobenzene-d5	100	98.6	99		30 (49)	130 (133)
		2-Fluorobiphenyl	100	91.9	92		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	158	105		15 (44)	110 (137)
		Terphenyl-d14	100	91.2	91		30 (48)	130 (125)
P4397-06MS	WB-301-BOTMS	2-Fluorophenol	150	127	85		15 (10)	110 (139)
		Phenol-d6	150	118	79		15 (10)	110 (134)
		Nitrobenzene-d5	100	99.6	100		30 (49)	130 (133)
		2-Fluorobiphenyl	100	102	102		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	140	94		15 (44)	110 (137)
		Terphenyl-d14	100	79.0	79		30 (48)	130 (125)
P4397-06MSD	WB-301-BOTMSD	2-Fluorophenol	150	140	93		15 (10)	110 (139)
		Phenol-d6	150	130	87		15 (10)	110 (134)
		Nitrobenzene-d5	100	111	111		30 (49)	130 (133)
		2-Fluorobiphenyl	100	112	112		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	154	103		15 (44)	110 (137)
		Terphenyl-d14	100	84.9	85		30 (48)	130 (125)
PB164261TB	PB164261TB	2-Fluorophenol	150	133	88		15 (10)	110 (139)
		Phenol-d6	150	128	85		15 (10)	110 (134)
		Nitrobenzene-d5	100	98.2	98		30 (49)	130 (133)
		2-Fluorobiphenyl	100	95.6	96		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	157	105		15 (44)	110 (137)
		Terphenyl-d14	100	101	101		30 (48)	130 (125)
PB164315BL	PB164315BL	2-Fluorophenol	150	134	90		15 (10)	110 (139)
		Phenol-d6	150	130	86		15 (10)	110 (134)
		Nitrobenzene-d5	100	99.7	100		30 (49)	130 (133)
		2-Fluorobiphenyl	100	94.9	95		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	161	108		15 (44)	110 (137)
		Terphenyl-d14	100	95.3	95		30 (48)	130 (125)
PB164315BS	PB164315BS	2-Fluorophenol	150	126	84		15 (10)	110 (139)
		Phenol-d6	150	123	82		15 (10)	110 (134)
		Nitrobenzene-d5	100	93.4	93		30 (49)	130 (133)
		2-Fluorobiphenyl	100	93.4	93		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	158	105		15 (44)	110 (137)
		Terphenyl-d14	100	107	107		30 (48)	130 (125)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4397

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4397-06MS		**Client Sample ID: WB-301-BOTMS**						**DataFile: BF139970.D**			
Pyridine	500	0	260	ug/L	52				20 (10)	160 (109)	
1,4-Dichlorobenzene	500	0	410	ug/L	82				70 (55)	130 (125)	
2-Methylphenol	500	0	450	ug/L	90				70 (37)	130 (126)	
3+4-Methylphenols	500	0	430	ug/L	86				20 (31)	160 (127)	
Hexachloroethane	500	0	400	ug/L	80				20 (49)	160 (110)	
Nitrobenzene	500	0	430	ug/L	86				70 (62)	130 (112)	
Hexachlorobutadiene	500	0	440	ug/L	88				70 (52)	130 (125)	
2,4,6-Trichlorophenol	500	0	520	ug/L	104				70 (78)	130 (112)	
2,4,5-Trichlorophenol	500	0	490	ug/L	98				70 (71)	130 (111)	
2,4-Dinitrotoluene	500	0	520	ug/L	104				70 (50)	130 (142)	
Hexachlorobenzene	500	0	490	ug/L	98				70 (72)	130 (115)	
Pentachlorophenol	1000	0	1000	ug/L	100				20 (25)	160 (139)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4397

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4397-06MSD		**Client Sample ID: WB-301-BOTMSD**						**DataFile: BF139971.D**			
Pyridine	500	0	310	ug/L	62		18		20 (10)	160 (109)	20 (20)
1,4-Dichlorobenzene	500	0	450	ug/L	90		9		70 (55)	130 (125)	20 (20)
2-Methylphenol	500	0	490	ug/L	98		9		70 (37)	130 (126)	20 (20)
3+4-Methylphenols	500	0	470	ug/L	94		9		20 (31)	160 (127)	20 (20)
Hexachloroethane	500	0	440	ug/L	88		10		20 (49)	160 (110)	20 (20)
Nitrobenzene	500	0	490	ug/L	98		13		70 (62)	130 (112)	20 (20)
Hexachlorobutadiene	500	0	490	ug/L	98		11		70 (52)	130 (125)	20 (20)
2,4,6-Trichlorophenol	500	0	570	ug/L	114		9		70 (78)	130 (112)	20 (20)
2,4,5-Trichlorophenol	500	0	540	ug/L	108		10		70 (71)	130 (111)	20 (20)
2,4-Dinitrotoluene	500	0	570	ug/L	114		9		70 (50)	130 (142)	20 (20)
Hexachlorobenzene	500	0	550	ug/L	110		12		70 (72)	130 (115)	20 (20)
Pentachlorophenol	1000	0	1100	ug/L	110		10		20 (25)	160 (139)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4397

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF139994.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB164315BS	Pyridine	50	38.8	ug/L	78				20 (29)	160 (97)	
	1,4-Dichlorobenzene	50	45.3	ug/L	91				70 (76)	130 (103)	
	2-Methylphenol	50	46.6	ug/L	93				70 (69)	130 (109)	
	3+4-Methylphenols	50	44.2	ug/L	88				20 (67)	160 (106)	
	Hexachloroethane	50	45.5	ug/L	91				20 (76)	160 (118)	
	Nitrobenzene	50	43.6	ug/L	87				70 (58)	130 (106)	
	Hexachlorobutadiene	50	45.3	ug/L	91				70 (69)	130 (101)	
	2,4,6-Trichlorophenol	50	50.9	ug/L	102				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	49.7	ug/L	99				70 (70)	130 (106)	
	2,4-Dinitrotoluene	50	54.7	ug/L	109				70 (60)	130 (115)	
	Hexachlorobenzene	50	49.6	ug/L	99				70 (73)	130 (106)	
	Pentachlorophenol	100	99.2	ug/L	99				20 (47)	160 (114)	

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164315BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

Lab File ID: BF139993.D Lab Sample ID: PB164315BL

Instrument ID: BNA_F Date Extracted: 10/22/2024

Matrix: (soil/water) water Date Analyzed: 10/24/2024

Level: (low/med) LOW Time Analyzed: 11:20

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB164315BS	PB164315BS	BF139994.D	10/24/2024
PB164261TB	PB164261TB	BF140002.D	10/24/2024
WB-301-BOT	P4397-06	BF139967.D	10/23/2024
WB-301-BOTMS	P4397-06MS	BF139970.D	10/23/2024
WB-301-BOTMSD	P4397-06MSD	BF139971.D	10/23/2024

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P4397 SDG NO.: P4397

Lab File ID: BF139843.D DFTPP Injection Date: 10/18/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:22

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.8
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	37.8
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	46.9
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	6.7
275	10.0 - 60.0% of mass 198	26.9
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	14
442	Greater than 50% of mass 198	93.1
443	15.0 - 24.0% of mass 442	17.9 (19.2) 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	BF139844.D	10/18/2024	10:27
SSTDICC005	SSTDICC005	BF139845.D	10/18/2024	10:55
SSTDICC010	SSTDICC010	BF139846.D	10/18/2024	11:23
SSTDICC020	SSTDICC020	BF139847.D	10/18/2024	11:52
SSTDICCC040	SSTDICCC040	BF139848.D	10/18/2024	12:20
SSTDICC050	SSTDICC050	BF139849.D	10/18/2024	12:49
SSTDICC060	SSTDICC060	BF139850.D	10/18/2024	13:17
SSTDICC080	SSTDICC080	BF139851.D	10/18/2024	13:46

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P4397 SDG NO.: P4397

Lab File ID: BF139964.D DFTPP Injection Date: 10/23/2024

Instrument ID: BNA_F DFTPP Injection Time: 15:01

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.1
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	30.6
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	39
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	6.1
275	10.0 - 60.0% of mass 198	25.4
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 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	BF139965.D	10/23/2024	15:30
WB-301-BOT	P4397-06	BF139967.D	10/23/2024	16:32
WB-301-BOTMS	P4397-06MS	BF139970.D	10/23/2024	17:59
WB-301-BOTMSD	P4397-06MSD	BF139971.D	10/23/2024	18:28

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P4397 SDG NO.: P4397

Lab File ID: BF139989.D DFTPP Injection Date: 10/24/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.5
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	29.8
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	37.5
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.6
275	10.0 - 60.0% of mass 198	24.9
365	Greater than 1% of mass 198	3.2
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	19.1 (19.1) 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	BF139990.D	10/24/2024	09:55
PB164315BL	PB164315BL	BF139993.D	10/24/2024	11:20
PB164315BS	PB164315BS	BF139994.D	10/24/2024	11:49

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P4397 SDG NO.: P4397

Lab File ID: BF140000.D DFTPP Injection Date: 10/24/2024

Instrument ID: BNA_F DFTPP Injection Time: 14:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	40
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	35.2
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	44.2
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	6.7
275	10.0 - 60.0% of mass 198	26.7
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 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	BF140001.D	10/24/2024	15:16
PB164261TB	PB164261TB	BF140002.D	10/24/2024	15:44

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/23/2024

Lab File ID: BF139965.D Time Analyzed: 15:30

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	159858	6.892	611382	8.18	340124	9.93
	UPPER LIMIT	319716	7.392	1222760	8.675	680248	10.428
	LOWER LIMIT	79929	6.392	305691	7.675	170062	9.428
	EPA SAMPLE NO.						
01	WB-301-BOT	156242	6.89	612656	8.17	337691	9.93
02	WB-301-BOTMS	145719	6.89	539980	8.18	259652	9.93
03	WB-301-BOTMSD	137496	6.89	502859	8.18	242617	9.93

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.: P4397 SAS No.: P4397 SDG NO.: P4397

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/23/2024

Lab File ID: BF139965.D Time Analyzed: 15:30

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	597021	11.416	306092	14.057	358871	15.533
	UPPER LIMIT	1194040	11.916	612184	14.557	717742	16.033
	LOWER LIMIT	298511	10.916	153046	13.557	179436	15.033
	EPA SAMPLE NO.						
01	WB-301-BOT	580027	11.41	346002	14.05	384483	15.53
02	WB-301-BOTMS	394534	11.42	319585	14.06	328571	15.53
03	WB-301-BOTMSD	363131	11.42	305569	14.06	311545	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.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/24/2024

Lab File ID: BF139990.D Time Analyzed: 09:55

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	160242	6.892	587754	8.18	322730	9.93
	UPPER LIMIT	320484	7.392	1175510	8.675	645460	10.428
	LOWER LIMIT	80121	6.392	293877	7.675	161365	9.428
	EPA SAMPLE NO.						
01	PB164315BL	148560	6.89	574491	8.17	327603	9.93
02	PB164315BS	143702	6.89	566601	8.18	302186	9.93

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.: P4397 SAS No.: P4397 SDG NO.: P4397

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/24/2024

Lab File ID: BF139990.D Time Analyzed: 09:55

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	552693	11.416	268892	14.057	303963	15.533
	UPPER LIMIT	1105390	11.916	537784	14.557	607926	16.033
	LOWER LIMIT	276347	10.916	134446	13.557	151982	15.033
	EPA SAMPLE NO.						
01	PB164315BL	592376	11.41	363554	14.05	290384	15.53
02	PB164315BS	535948	11.42	260625	14.05	282742	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.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG NO.: P4397

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/24/2024

Lab File ID: BF140001.D Time Analyzed: 15:16

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	162461	6.892	593909	8.18	325446	9.93
	UPPER LIMIT	324922	7.392	1187820	8.675	650892	10.428
	LOWER LIMIT	81230.5	6.392	296955	7.675	162723	9.428
	EPA SAMPLE NO.						
01	PB164261TB	152409	6.89	588451	8.17	328828	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.: P4397 SAS No.: P4397 SDG NO.: P4397

EPA Sample No.: SSTDCCC040 Date Analyzed: 10/24/2024

Lab File ID: BF140001.D Time Analyzed: 15:16

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	551060	11.416	264546	14.051	308388	15.533
	UPPER LIMIT	1102120	11.916	529092	14.551	616776	16.033
	LOWER LIMIT	275530	10.916	132273	13.551	154194	15.033
	EPA SAMPLE NO.						
01	PB164261TB	603559	11.41	330965	14.05	294008	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

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* Values outside of QC limits.

QC SAMPLE DATA

Raw Data: **BF139993.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164315BL	SDG No.:	P4397
Lab Sample ID:	PB164315BL	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139993.D	1	10/22/24 10:30	10/24/24 11:20	PB164315

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.60	U	1.60	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	134		15 (10) - 110 (139)	90%	SPK: 150
13127-88-3	Phenol-d6	130		15 (10) - 110 (134)	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	99.7		30 (49) - 130 (133)	100%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.9		30 (52) - 130 (132)	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	161		15 (44) - 110 (137)	108%	SPK: 150
1718-51-0	Terphenyl-d14	95.3		30 (48) - 130 (125)	95%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	149000	6.886			
1146-65-2	Naphthalene-d8	574000	8.169			
15067-26-2	Acenaphthene-d10	328000	9.927			
1517-22-2	Phenanthrene-d10	592000	11.41			
1719-03-5	Chrysene-d12	364000	14.051			
1520-96-3	Perylene-d12	290000	15.527			

Raw Data: **BF139993.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024			Date Received:	
Client Sample ID:	PB164315BL			SDG No.:	P4397
Lab Sample ID:	PB164315BL			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139993.D	1	10/22/24 10:30	10/24/24 11:20	PB164315

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

Raw Data: **BF139994.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164315BS	SDG No.:	P4397
Lab Sample ID:	PB164315BS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139994.D	1	10/22/24 10:30	10/24/24 11:49	PB164315

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	38.8		1.60	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	45.3		0.84	5.00	ug/L
95-48-7	2-Methylphenol	46.6		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	44.2		1.20	10.0	ug/L
67-72-1	Hexachloroethane	45.5		1.00	5.00	ug/L
98-95-3	Nitrobenzene	43.6		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	45.3		1.30	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	50.9		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	49.7		1.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	54.7		1.50	5.00	ug/L
118-74-1	Hexachlorobenzene	49.6		1.10	5.00	ug/L
87-86-5	Pentachlorophenol	99.2	E	1.90	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	126		15 (10) - 110 (139)	84%	SPK: 150
13127-88-3	Phenol-d6	123		15 (10) - 110 (134)	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.4		30 (49) - 130 (133)	93%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.4		30 (52) - 130 (132)	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	158		15 (44) - 110 (137)	105%	SPK: 150
1718-51-0	Terphenyl-d14	107		30 (48) - 130 (125)	107%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	144000	6.892			
1146-65-2	Naphthalene-d8	567000	8.175			
15067-26-2	Acenaphthene-d10	302000	9.928			
1517-22-2	Phenanthrene-d10	536000	11.416			
1719-03-5	Chrysene-d12	261000	14.051			
1520-96-3	Perylene-d12	283000	15.527			

Raw Data: **BF139994.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024			Date Received:	
Client Sample ID:	PB164315BS			SDG No.:	P4397
Lab Sample ID:	PB164315BS			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139994.D	1	10/22/24 10:30	10/24/24 11:49	PB164315

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

Raw Data: **BF139970.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/10/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/11/24
Client Sample ID:	WB-301-BOTMS	SDG No.:	P4397
Lab Sample ID:	P4397-06MS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139970.D	1	10/22/24 10:30	10/23/24 17:59	PB164315

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	260		15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	410		8.40	50.0	ug/L
95-48-7	2-Methylphenol	450		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	430		11.5	100	ug/L
67-72-1	Hexachloroethane	400		10.1	50.0	ug/L
98-95-3	Nitrobenzene	430		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	440		12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	520		8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	490		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	520		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	490		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	1000	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	127		15 (10) - 110 (139)	85%	SPK: 150
13127-88-3	Phenol-d6	118		15 (10) - 110 (134)	79%	SPK: 150
4165-60-0	Nitrobenzene-d5	99.6		30 (49) - 130 (133)	100%	SPK: 100
321-60-8	2-Fluorobiphenyl	102		30 (52) - 130 (132)	102%	SPK: 100
118-79-6	2,4,6-Tribromophenol	140		15 (44) - 110 (137)	94%	SPK: 150
1718-51-0	Terphenyl-d14	79.0		30 (48) - 130 (125)	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	146000	6.893			
1146-65-2	Naphthalene-d8	540000	8.175			
15067-26-2	Acenaphthene-d10	260000	9.928			
1517-22-2	Phenanthrene-d10	395000	11.416			
1719-03-5	Chrysene-d12	320000	14.057			
1520-96-3	Perylene-d12	329000	15.533			

Raw Data: **BF139970.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	10/10/24
Project:	Amtrak Sawtooth Bridges 2024			Date Received:	10/11/24
Client Sample ID:	WB-301-BOTMS			SDG No.:	P4397
Lab Sample ID:	P4397-06MS			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139970.D	1	10/22/24 10:30	10/23/24 17:59	PB164315

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

Raw Data: **BF139971.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/10/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/11/24
Client Sample ID:	WB-301-BOTMSD	SDG No.:	P4397
Lab Sample ID:	P4397-06MSD	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139971.D	1	10/22/24 10:30	10/23/24 18:28	PB164315

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	310		15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	450		8.40	50.0	ug/L
95-48-7	2-Methylphenol	490		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	470		11.5	100	ug/L
67-72-1	Hexachloroethane	440		10.1	50.0	ug/L
98-95-3	Nitrobenzene	490		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	490		12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	570		8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	540		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	570		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	550		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	1100	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	140		15 (10) - 110 (139)	93%	SPK: 150
13127-88-3	Phenol-d6	130		15 (10) - 110 (134)	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	111		30 (49) - 130 (133)	111%	SPK: 100
321-60-8	2-Fluorobiphenyl	112		30 (52) - 130 (132)	112%	SPK: 100
118-79-6	2,4,6-Tribromophenol	154		15 (44) - 110 (137)	103%	SPK: 150
1718-51-0	Terphenyl-d14	84.9		30 (48) - 130 (125)	85%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	137000	6.893			
1146-65-2	Naphthalene-d8	503000	8.175			
15067-26-2	Acenaphthene-d10	243000	9.928			
1517-22-2	Phenanthrene-d10	363000	11.416			
1719-03-5	Chrysene-d12	306000	14.057			
1520-96-3	Perylene-d12	312000	15.533			

Raw Data: **BF139971.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	10/10/24
Project:	Amtrak Sawtooth Bridges 2024			Date Received:	10/11/24
Client Sample ID:	WB-301-BOTMSD			SDG No.:	P4397
Lab Sample ID:	P4397-06MSD			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF139971.D	1	10/22/24 10:30	10/23/24 18:28	PB164315

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
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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

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF101824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 18 15:07:50 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF139844.D 5 =BF139845.D 10 =BF139846.D 20 =BF139847.D 40 =BF139848.D 50 =BF139849.D 60 =BF139850.D 80 =BF1398
51.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.651	0.625	0.603	0.591	0.571	0.581	0.548	0.596	5.74
3)		Pyridine		1.622	1.570	1.522	1.504	1.386	1.406	1.326	1.476	7.26
4)		n-Nitrosodimet...		0.815	0.800	0.799	0.806	0.782	0.794	0.757	0.793	2.39
5)	S	2-Fluorophenol		1.465	1.398	1.331	1.278	1.179	1.186	1.106	1.278	10.10
6)		Aniline		1.673	1.649	1.618	1.582	1.471	1.479	1.324	1.542	8.05
7)	S	Phenol-d6		1.900	1.818	1.709	1.647	1.538	1.539	1.432	1.655	10.06
8)		2-Chlorophenol		1.503	1.422	1.358	1.310	1.212	1.221	1.116	1.306	10.24
9)		Benzaldehyde			1.137	1.042	0.940	0.873	0.853	0.740	0.931	15.22
10)	C	Phenol		1.952	1.832	1.760	1.712	1.583	1.601	1.502	1.706	9.19
11)		bis(2-Chloroet...		1.470	1.423	1.359	1.294	1.251	1.249	1.183	1.319	7.82
12)		1,3-Dichlorobe...		1.718	1.656	1.544	1.499	1.392	1.391	1.294	1.499	10.19
13)	C	1,4-Dichlorobe...		1.723	1.641	1.558	1.487	1.392	1.391	1.291	1.498	10.19
14)		1,2-Dichlorobe...		1.660	1.579	1.478	1.379	1.273	1.267	1.149	1.398	13.15
15)		Benzyl Alcohol		1.355	1.299	1.257	1.213	1.154	1.146	1.071	1.214	8.07
16)		2,2'-oxybis(1-...		2.524	2.409	2.353	2.255	2.117	2.115	1.964	2.248	8.69
17)		2-Methylphenol		1.264	1.164	1.134	1.114	1.053	1.063	1.004	1.114	7.69
18)		Hexachloroethane		0.583	0.571	0.549	0.541	0.507	0.511	0.477	0.534	7.06
19)	P	n-Nitroso-di-n...	1.105	1.141	1.066	1.025	0.974	0.921	0.927	0.869	1.004	9.63
20)		3+4-Methylphenols		1.678	1.573	1.520	1.418	1.309	1.300	1.173	1.424	12.41
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.578	0.533	0.516	0.481	0.452	0.454	0.414	0.490	11.43
23)	S	Nitrobenzene-d5		0.365	0.365	0.372	0.371	0.354	0.357	0.342	0.361	2.92
24)		Nitrobenzene		0.417	0.402	0.408	0.403	0.383	0.388	0.370	0.396	4.10
25)		Isophorone		0.755	0.709	0.702	0.679	0.652	0.660	0.637	0.685	5.90
26)	C	2-Nitrophenol		0.124	0.137	0.150	0.157	0.158	0.161	0.157	0.149	9.22
27)		2,4-Dimethylph...		0.285	0.259	0.256	0.248	0.237	0.234	0.223	0.249	8.07
28)		bis(2-Chloroet...		0.468	0.440	0.432	0.412	0.394	0.390	0.369	0.415	8.22
29)	C	2,4-Dichloroph...		0.308	0.297	0.293	0.283	0.272	0.274	0.257	0.283	6.17
30)		1,2,4-Trichlor...		0.351	0.331	0.325	0.315	0.298	0.298	0.279	0.314	7.68
31)		Naphthalene		1.209	1.121	1.091	1.023	0.958	0.944	0.875	1.031	11.23
32)		Benzoic acid			0.175	0.207	0.220	0.231	0.235	0.235	0.217	10.69
33)		4-Chloroaniline		0.397	0.382	0.368	0.351	0.332	0.326	0.306	0.352	9.26
34)	C	Hexachlorobuta...		0.224	0.206	0.203	0.197	0.185	0.187	0.177	0.197	7.96
35)		Caprolactam		0.092	0.092	0.092	0.092	0.088	0.088	0.086	0.090	2.85
36)	C	4-Chloro-3-met...		0.341	0.328	0.324	0.315	0.299	0.303	0.287	0.314	6.03
37)		2-Methylnaphth...		0.740	0.689	0.666	0.621	0.587	0.583	0.537	0.632	11.11
38)		1-Methylnaphth...		0.726	0.683	0.655	0.612	0.569	0.567	0.526	0.620	11.55

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF101824.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.609	0.579	0.562	0.537	0.512	0.506	0.472	0.540	8.72
41)	P	Hexachlorocycl...	0.185	0.193	0.198	0.198	0.186	0.185	0.169	0.188	5.28
42)	S	2,4,6-Tribromo...	0.201	0.196	0.193	0.188	0.179	0.180	0.173	0.187	5.47
43)	C	2,4,6-Trichlor...	0.405	0.382	0.400	0.387	0.363	0.383	0.354	0.382	4.80
44)		2,4,5-Trichlor...	0.426	0.425	0.398	0.401	0.381	0.369	0.359	0.394	6.58
45)	S	2-Fluorobiphenyl	1.512	1.396	1.280	1.162	1.088	1.060	0.973	1.210	16.05
46)		1,1'-Biphenyl	1.640	1.536	1.483	1.379	1.285	1.262	1.161	1.392	12.18
47)		2-Chloronaphth...	1.288	1.225	1.164	1.111	1.048	1.040	0.973	1.121	9.95
48)		2-Nitroaniline	0.299	0.318	0.353	0.365	0.354	0.362	0.349	0.343	7.20
49)		Acenaphthylene	1.854	1.756	1.717	1.615	1.507	1.505	1.394	1.621	10.06
50)		Dimethylphthalate	1.410	1.344	1.283	1.237	1.172	1.163	1.110	1.246	8.60
51)		2,6-Dinitrotol...	0.256	0.266	0.278	0.280	0.273	0.274	0.260	0.270	3.41
52)	C	Acenaphthene	1.200	1.136	1.089	1.044	0.977	0.983	0.913	1.049	9.55
53)		3-Nitroaniline	0.270	0.275	0.296	0.292	0.276	0.282	0.256	0.278	4.84
54)	P	2,4-Dinitrophenol		0.056	0.077	0.101	0.101	0.113	0.112	0.093	23.89
55)		Dibenzofuran	1.767	1.659	1.579	1.486	1.389	1.375	1.278	1.505	11.52
56)	P	4-Nitrophenol	0.187	0.207	0.225	0.232	0.219	0.220	0.208	0.214	6.84
57)		2,4-Dinitrotol...	0.280	0.314	0.337	0.356	0.344	0.351	0.338	0.332	7.94
58)		Fluorene	1.409	1.309	1.201	1.110	1.029	1.021	0.944	1.146	14.68
59)		2,3,4,6-Tetrac...	0.334	0.322	0.326	0.310	0.296	0.293	0.281	0.309	6.33
60)		Diethylphthalate	1.366	1.308	1.267	1.214	1.165	1.161	1.080	1.223	7.99
61)		4-Chlorophenyl...	0.698	0.638	0.617	0.569	0.526	0.520	0.484	0.579	13.14
62)		4-Nitroaniline	0.249	0.259	0.270	0.275	0.263	0.269	0.254	0.263	3.65
63)		Azobenzene	1.459	1.385	1.355	1.306	1.216	1.212	1.143	1.297	8.62
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.055	0.072	0.087	0.090	0.092	0.093	0.082	18.60
66)	c	n-Nitrosodiphe...	0.672	0.641	0.621	0.595	0.568	0.561	0.533	0.599	8.14
67)		4-Bromophenyl-...	0.230	0.217	0.211	0.202	0.197	0.196	0.189	0.206	6.98
68)		Hexachlorobenzene	0.258	0.245	0.237	0.231	0.217	0.221	0.212	0.232	7.20
69)		Atrazine	0.189	0.175	0.156	0.175	0.135	0.153	0.151	0.162	11.36
70)	C	Pentachlorophenol	0.118	0.137	0.148	0.152	0.145	0.144	0.140	0.141	8.04
71)		Phenanthrene	1.121	1.035	0.994	0.933	0.863	0.860	0.807	0.945	11.79
72)		Anthracene	1.082	1.014	0.972	0.913	0.851	0.833	0.787	0.922	11.53
73)		Carbazole	1.002	0.964	0.923	0.846	0.776	0.772	0.717	0.857	12.64
74)		Di-n-butylphth...	1.104	1.071	1.062	1.014	0.923	0.909	0.850	0.990	9.77
75)	C	Fluoranthene	1.149	1.108	1.036	0.943	0.842	0.835	0.772	0.955	15.34
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.457	0.461	0.293	0.366	0.276	0.203	0.246	0.329	30.86
78)		Pyrene	1.892	1.828	1.900	1.805	1.685	1.649	1.496	1.751	8.43
79)	S	Terphenyl-d14	1.381	1.335	1.340	1.244	1.154	1.121	1.018	1.227	10.96
80)		Butylbenzylpht...	0.490	0.513	0.536	0.555	0.535	0.531	0.514	0.525	3.99
81)		Benzo(a)anthra...	1.425	1.355	1.329	1.331	1.267	1.237	1.169	1.302	6.48
82)		3,3'-Dichlorob...	0.368	0.372	0.390	0.387	0.374	0.382	0.384	0.380	2.15
83)		Chrysene	1.325	1.244	1.234	1.167	1.134	1.151	1.101	1.194	6.52
84)		Bis(2-ethylhex...	0.520	0.539	0.577	0.626	0.620	0.626	0.614	0.589	7.48
85)	c	Di-n-octyl pht...		0.786	0.930	1.135	1.182	1.207	1.186	1.071	16.14

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF101824.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.209	1.261	1.307	1.352	1.299	1.326	1.253	1.287	3.77
88)		Benzo(b)fluora...	1.317	1.240	1.319	1.196	1.105	1.239	1.111	1.218	7.15
89)		Benzo(k)fluora...	1.213	1.177	0.992	1.066	1.030	0.929	0.947	1.051	10.42
90)	C	Benzo(a)pyrene	1.030	1.024	1.018	1.025	0.974	0.999	0.947	1.002	3.12
91)		Dibenzo(a,h)an...	1.021	1.064	1.103	1.120	1.083	1.085	1.036	1.073	3.31
92)		Benzo(g,h,i)pe...	1.030	1.046	1.090	1.128	1.081	1.095	1.035	1.072	3.37

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG No.: P4397

Instrument ID: BNA_F Calibration Date/Time: 10/23/2024 15:30

Lab File ID: BF139965.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.476	1.438		-2.6	
2-Fluorophenol	1.278	1.233		-3.5	
Phenol-d6	1.655	1.579		-4.6	
1,4-Dichlorobenzene	1.498	1.484		-0.9	20.0
2-Methylphenol	1.114	1.099		-1.3	
3+4-Methylphenols	1.424	1.388		-2.5	
Nitrobenzene-d5	0.361	0.370		2.5	
Hexachloroethane	0.534	0.530		-0.7	
Nitrobenzene	0.396	0.391		-1.3	
Hexachlorobutadiene	0.197	0.199		1.0	20.0
2,4,6-Trichlorophenol	0.382	0.381		-0.3	20.0
2-Fluorobiphenyl	1.210	1.169		-3.4	
2,4,5-Trichlorophenol	0.394	0.415		5.3	
2,4-Dinitrotoluene	0.332	0.379		14.2	
2,4,6-Tribromophenol	0.187	0.204		9.1	
Hexachlorobenzene	0.232	0.234		0.9	
Pentachlorophenol	0.141	0.157		11.3	20.0
Terphenyl-d14	1.227	1.227		0.0	

All other compounds must meet a minimum RRF of 0.010.

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG No.: P4397

Instrument ID: BNA_F Calibration Date/Time: 10/24/2024 09:55

Lab File ID: BF139990.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.476	1.374		-6.9	
2-Fluorophenol	1.278	1.208		-5.5	
Phenol-d6	1.655	1.504		-9.1	
1,4-Dichlorobenzene	1.498	1.458		-2.7	20.0
2-Methylphenol	1.114	1.030		-7.5	
3+4-Methylphenols	1.424	1.299		-8.8	
Nitrobenzene-d5	0.361	0.374		3.6	
Hexachloroethane	0.534	0.521		-2.4	
Nitrobenzene	0.396	0.392		-1.0	
Hexachlorobutadiene	0.197	0.202		2.5	20.0
2,4,6-Trichlorophenol	0.382	0.403		5.5	20.0
2-Fluorobiphenyl	1.210	1.183		-2.2	
2,4,5-Trichlorophenol	0.394	0.395		0.3	
2,4-Dinitrotoluene	0.332	0.371		11.7	
2,4,6-Tribromophenol	0.187	0.205		9.6	
Hexachlorobenzene	0.232	0.240		3.4	
Pentachlorophenol	0.141	0.164		16.3	20.0
Terphenyl-d14	1.227	1.286		4.8	

All other compounds must meet a minimum RRF of 0.010.

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4397 SAS No.: P4397 SDG No.: P4397

Instrument ID: BNA_F Calibration Date/Time: 10/24/2024 15:16

Lab File ID: BF140001.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.476	1.408		-4.6	
2-Fluorophenol	1.278	1.208		-5.5	
Phenol-d6	1.655	1.521		-8.1	
1,4-Dichlorobenzene	1.498	1.466		-2.1	20.0
2-Methylphenol	1.114	1.047		-6.0	
3+4-Methylphenols	1.424	1.322		-7.2	
Nitrobenzene-d5	0.361	0.374		3.6	
Hexachloroethane	0.534	0.526		-1.5	
Nitrobenzene	0.396	0.397		0.3	
Hexachlorobutadiene	0.197	0.203		3.0	20.0
2,4,6-Trichlorophenol	0.382	0.387		1.3	20.0
2-Fluorobiphenyl	1.210	1.197		-1.1	
2,4,5-Trichlorophenol	0.394	0.415		5.3	
2,4-Dinitrotoluene	0.332	0.371		11.7	
2,4,6-Tribromophenol	0.187	0.207		10.7	
Hexachlorobenzene	0.232	0.242		4.3	
Pentachlorophenol	0.141	0.159		12.8	20.0
Terphenyl-d14	1.227	1.306		6.4	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139967.D
Acq On : 23 Oct 2024 16:32
Operator : RC/JU
Sample : P4397-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-301-BOT

Quant Time: Oct 23 17:06:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

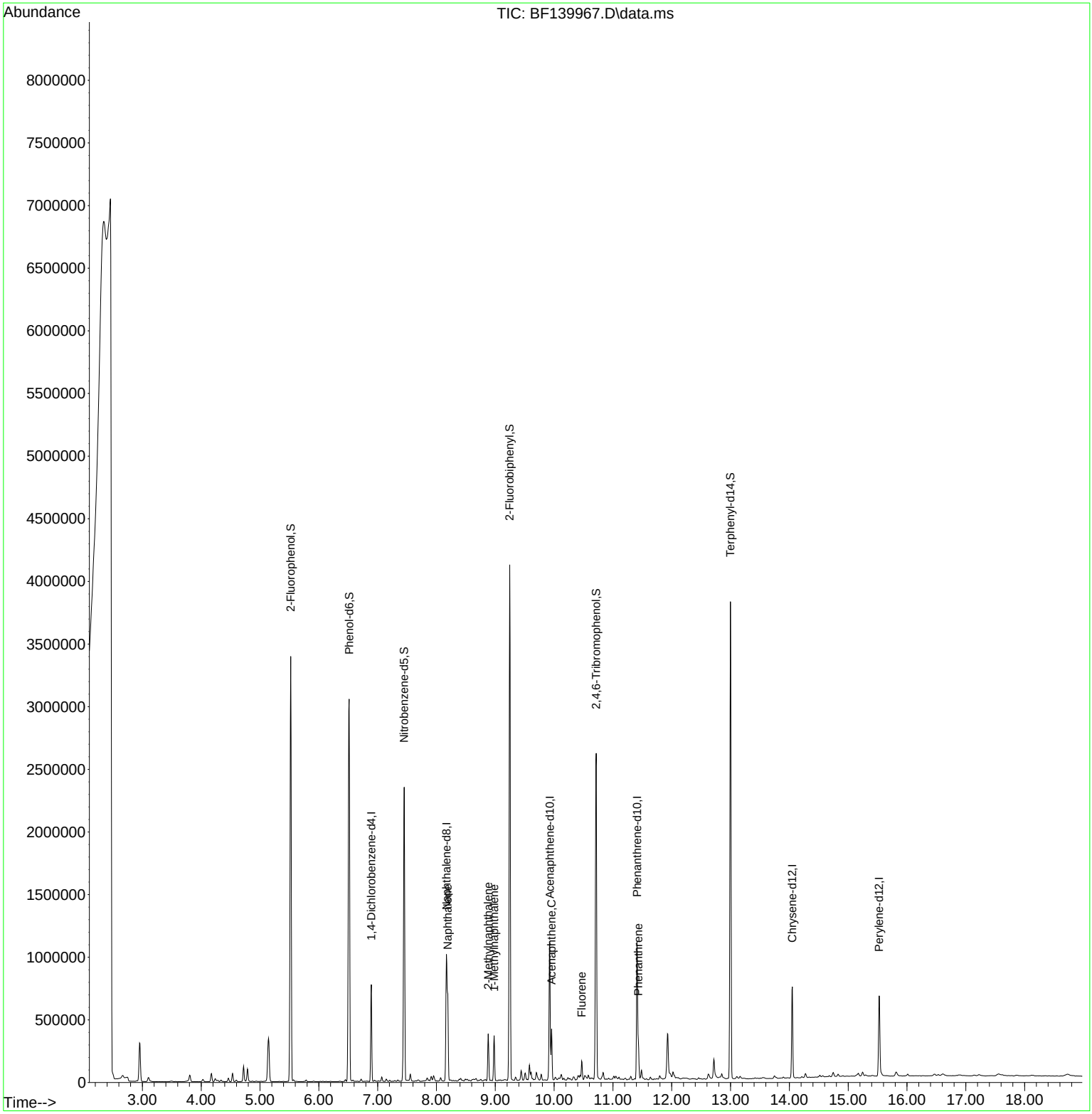
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	156242	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	612656	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	337691	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	580027	20.000	ng	0.00
76) Chrysene-d12	14.051	240	346002	20.000	ng	0.00
86) Perylene-d12	15.527	264	384483	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1337902	134.053	ng	0.02
7) Phenol-d6	6.516	99	1641886	127.020	ng	0.00
23) Nitrobenzene-d5	7.451	82	1090077	98.613	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	497608	157.538	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1878698	91.946	ng	0.00
79) Terphenyl-d14	12.998	244	1936806	91.213	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.192	128	410089	12.979	ng	100
37) 2-Methylnaphthalene	8.880	142	134304	6.940	ng	99
38) 1-Methylnaphthalene	8.980	142	128615	6.774	ng	98
52) Acenaphthene	9.957	154	118814	6.710	ng	99
58) Fluorene	10.469	166	66381	3.430	ng	98
71) Phenanthrene	11.433	178	148040	5.403	ng	98

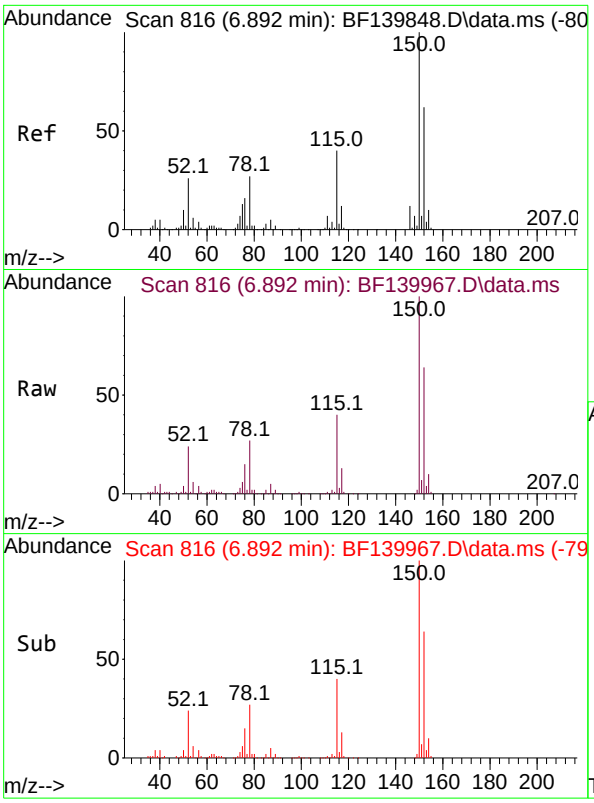
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139967.D
Acq On : 23 Oct 2024 16:32
Operator : RC/JU
Sample : P4397-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-301-BOT

Quant Time: Oct 23 17:06:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration



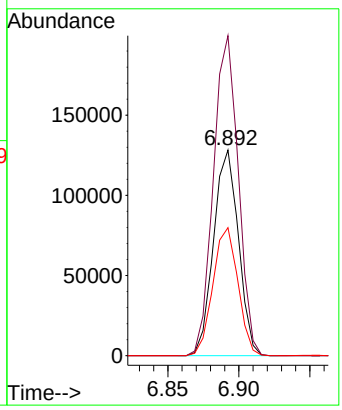


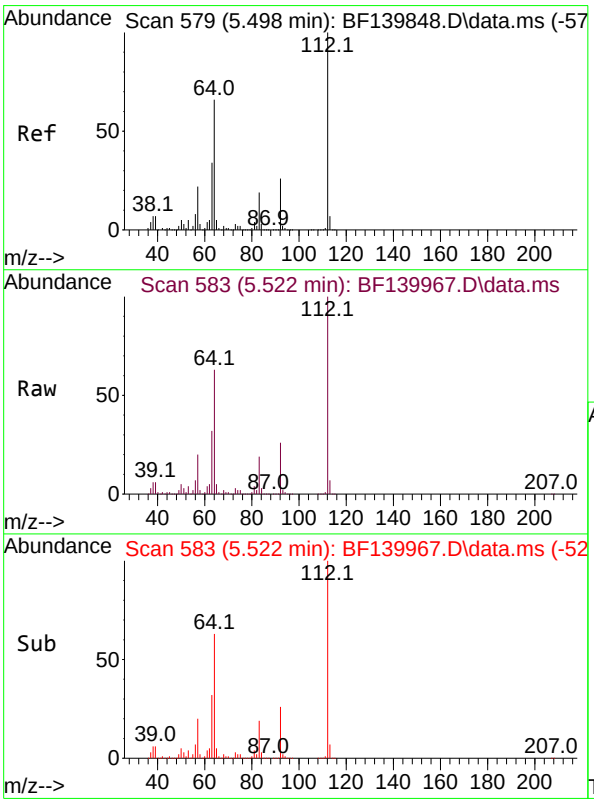
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF139967.D
Acq: 23 Oct 2024 16:32

Instrument :
BNA_F
ClientSampleId :
WB-301-BOT

Tgt Ion:152 Resp: 156242

Ion	Ratio	Lower	Upper
152	100		
150	155.6	130.2	195.2
115	62.2	51.4	77.2

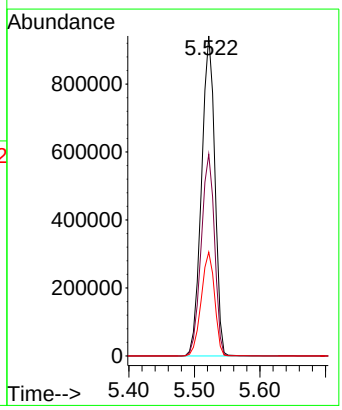


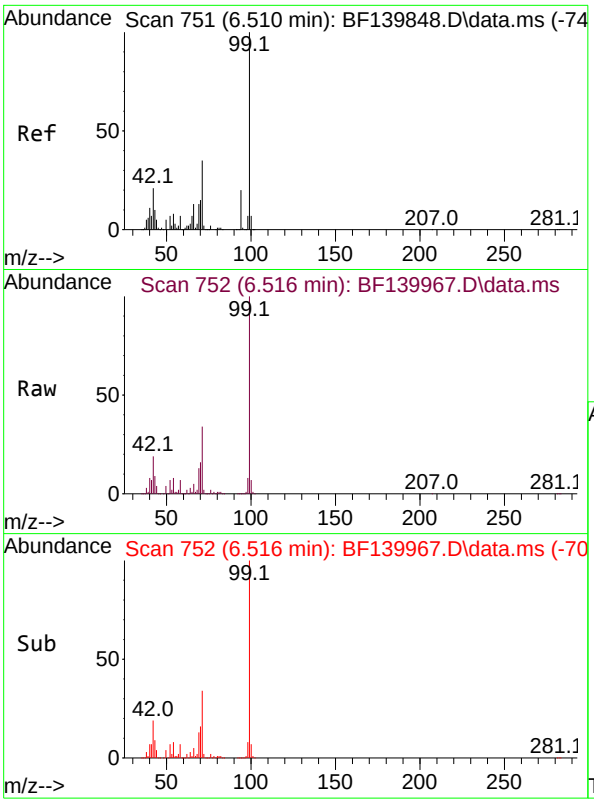


#5
2-Fluorophenol
Concen: 134.053 ng
RT: 5.522 min Scan# 583
Delta R.T. 0.024 min
Lab File: BF139967.D
Acq: 23 Oct 2024 16:32

Tgt Ion:112 Resp: 1337902

Ion	Ratio	Lower	Upper
112	100		
64	63.1	53.0	79.6
63	32.5	27.0	40.4



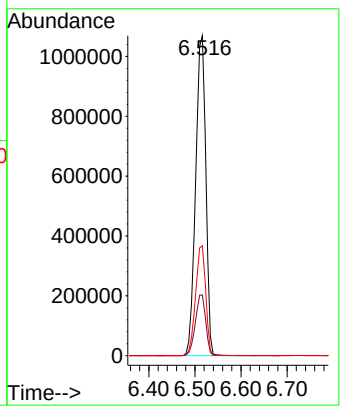


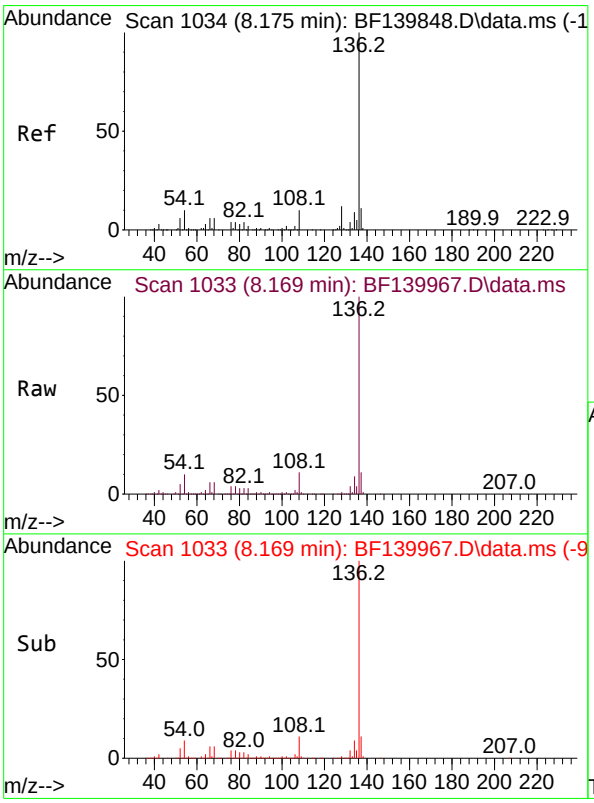
#7
Phenol-d6
Concen: 127.020 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF139967.D
Acq: 23 Oct 2024 16:32

Instrument :
BNA_F
ClientSampleId :
WB-301-BOT

Tgt Ion: 99 Resp: 1641886

Ion	Ratio	Lower	Upper
99	100		
42	19.0	16.7	25.1
71	34.4	27.7	41.5

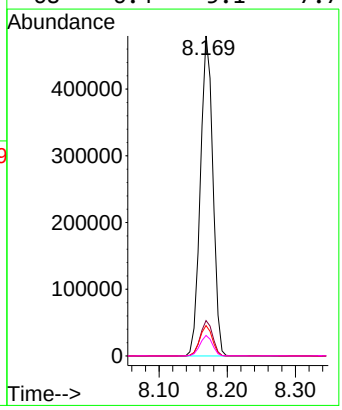


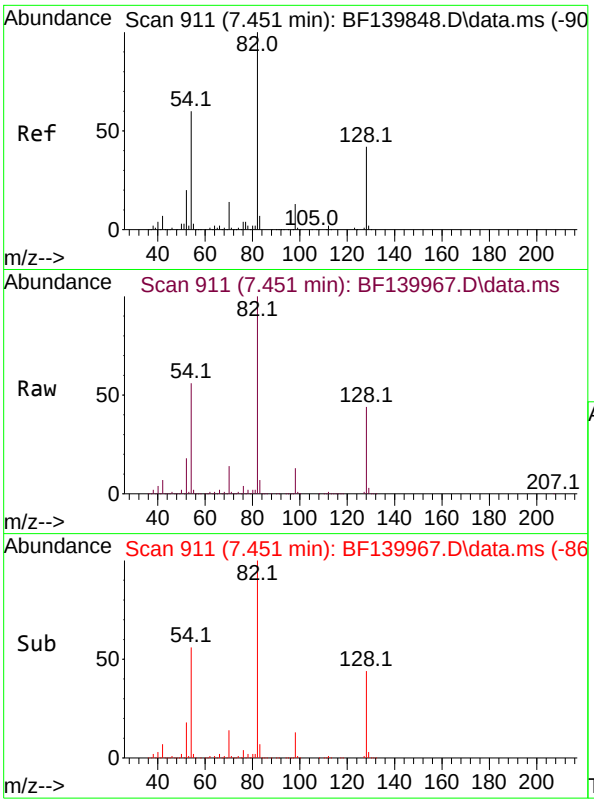


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139967.D
Acq: 23 Oct 2024 16:32

Tgt Ion:136 Resp: 612656

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	9.5	8.4	12.6
68	6.4	5.1	7.7



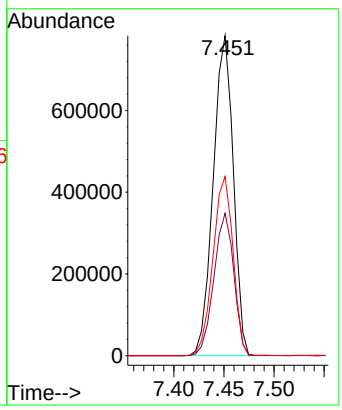


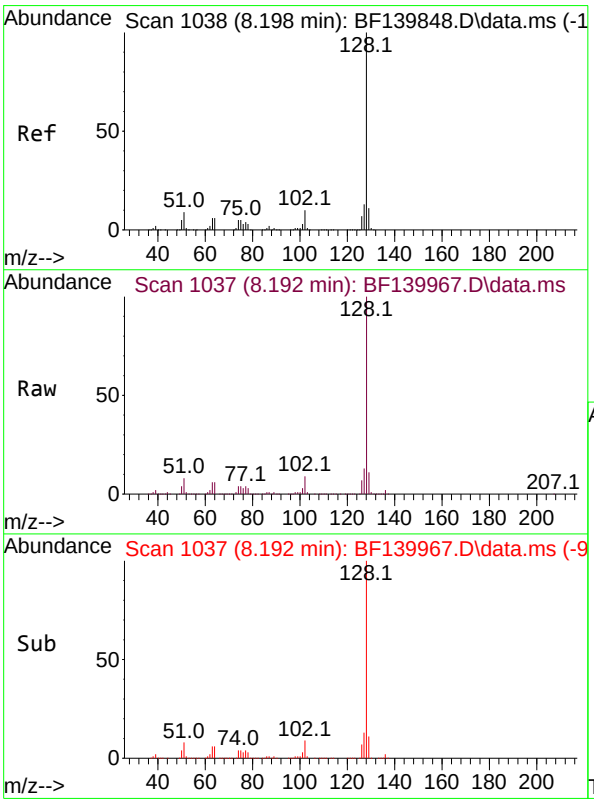
#23
Nitrobenzene-d5
Concen: 98.613 ng
RT: 7.451 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF139967.D
Acq: 23 Oct 2024 16:32

Instrument :
BNA_F
ClientSampleId :
WB-301-BOT

Tgt Ion: 82 Resp: 1090077

Ion	Ratio	Lower	Upper
82	100		
128	44.5	33.4	50.0
54	56.0	47.8	71.8

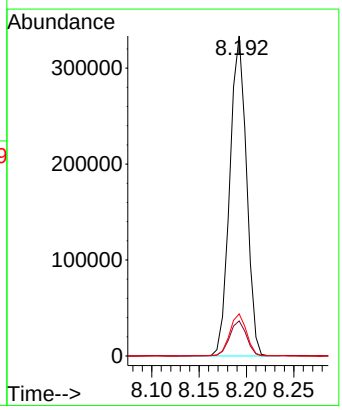


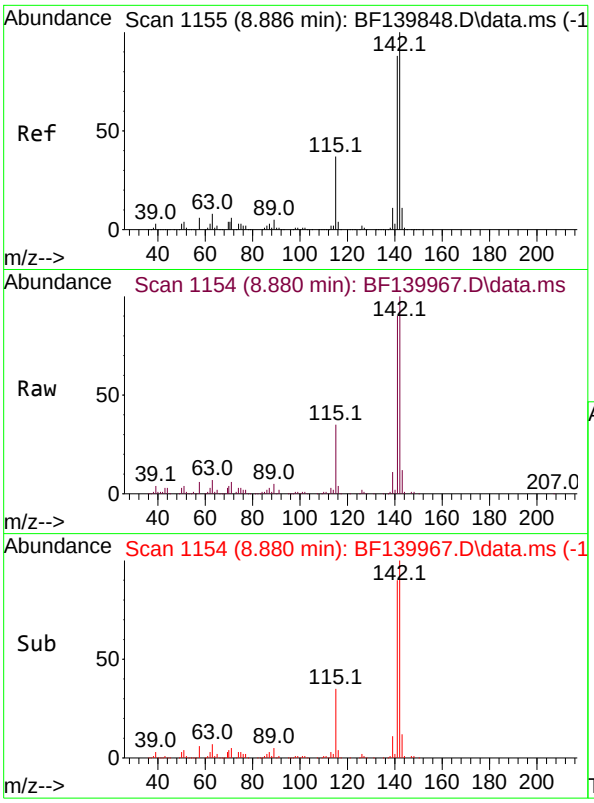


#31
Naphthalene
Concen: 12.979 ng
RT: 8.192 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF139967.D
Acq: 23 Oct 2024 16:32

Tgt Ion:128 Resp: 410089

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.2	10.6	16.0



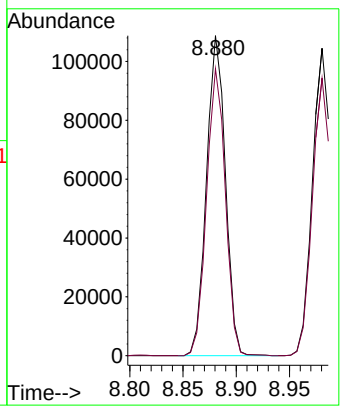


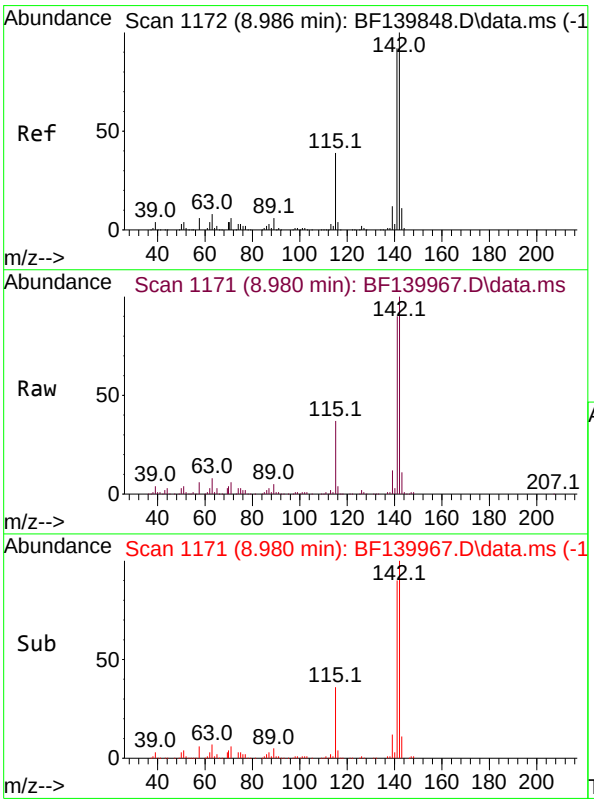
#37
2-Methylnaphthalene
Concen: 6.940 ng
RT: 8.880 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139967.D
Acq: 23 Oct 2024 16:32

Instrument :
BNA_F
ClientSampleId :
WB-301-BOT

Tgt Ion:142 Resp: 134304

Ion	Ratio	Lower	Upper
142	100		
141	89.7	70.8	106.2

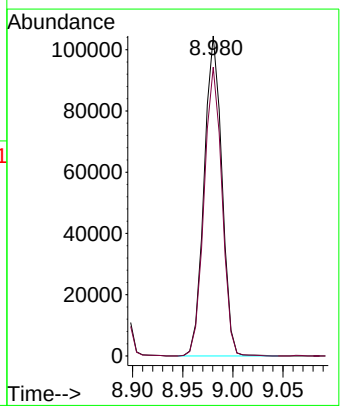


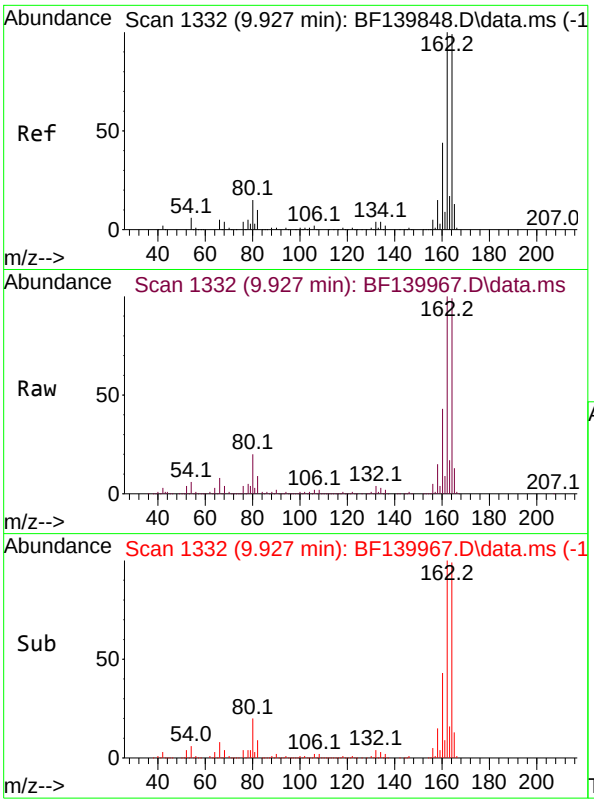


#38
1-Methylnaphthalene
Concen: 6.774 ng
RT: 8.980 min Scan# 1171
Delta R.T. -0.006 min
Lab File: BF139967.D
Acq: 23 Oct 2024 16:32

Tgt Ion:142 Resp: 128615

Ion	Ratio	Lower	Upper
142	100		
141	90.3	73.5	110.3



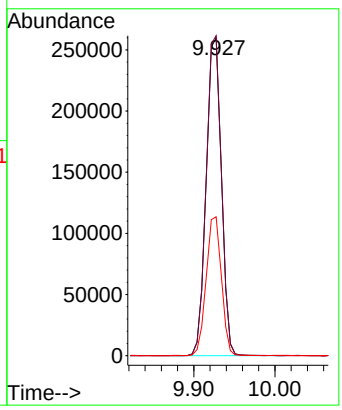


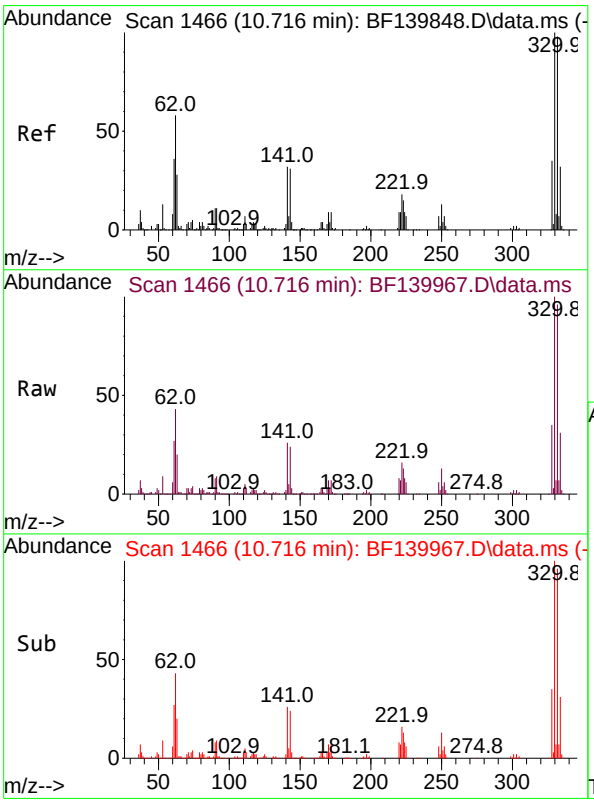
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139967.D
Acq: 23 Oct 2024 16:32

Instrument :
BNA_F
ClientSampleId :
WB-301-BOT

Tgt Ion:164 Resp: 337691

Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.0	121.4
160	43.7	35.4	53.0

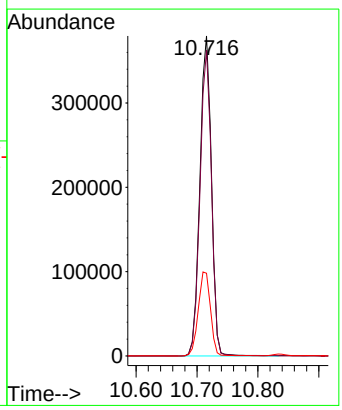


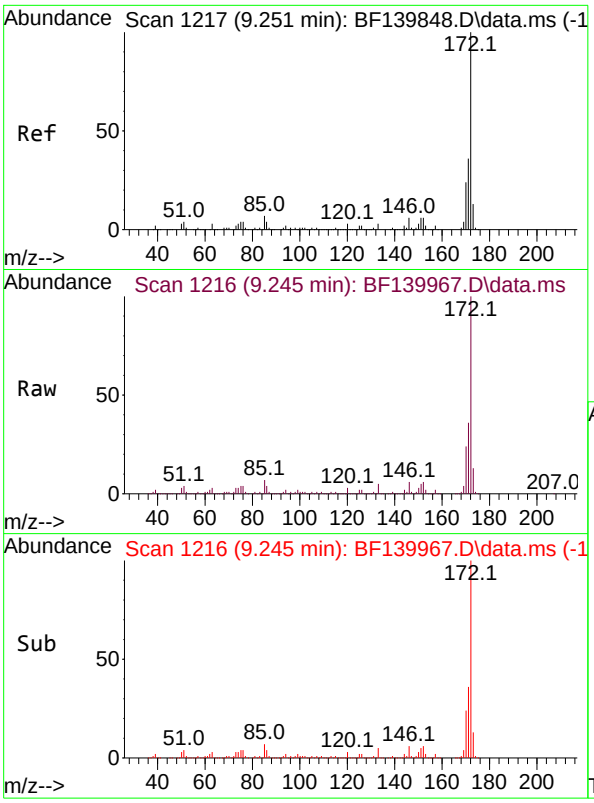


#42
2,4,6-Tribromophenol
Concen: 157.538 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF139967.D
Acq: 23 Oct 2024 16:32

Tgt Ion:330 Resp: 497608

Ion	Ratio	Lower	Upper
330	100		
332	94.9	78.1	117.1
141	27.9	26.6	39.8



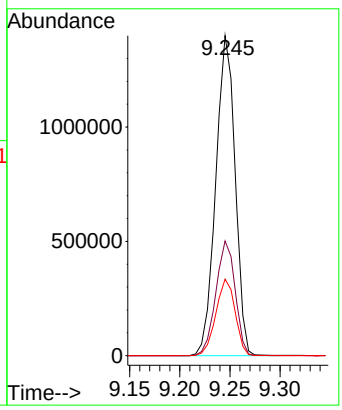


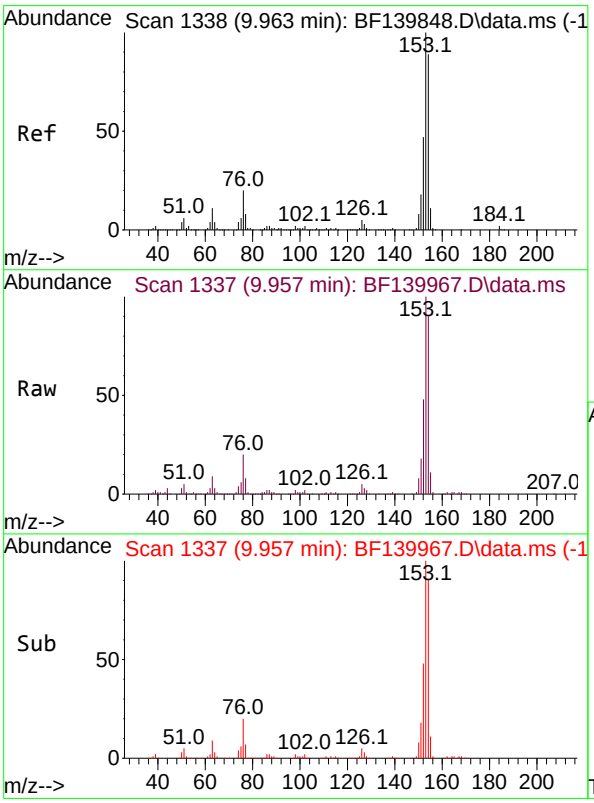
#45
2-Fluorobiphenyl
Concen: 91.946 ng
RT: 9.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139967.D
Acq: 23 Oct 2024 16:32

Instrument :
BNA_F
ClientSampleId :
WB-301-BOT

Tgt Ion:172 Resp: 1878698

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	23.9	19.1	28.7

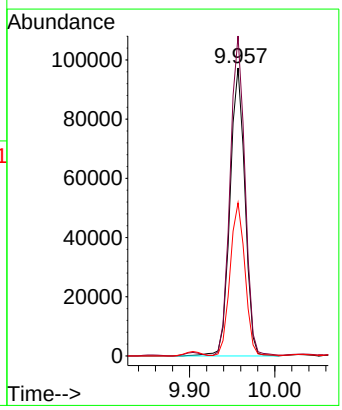


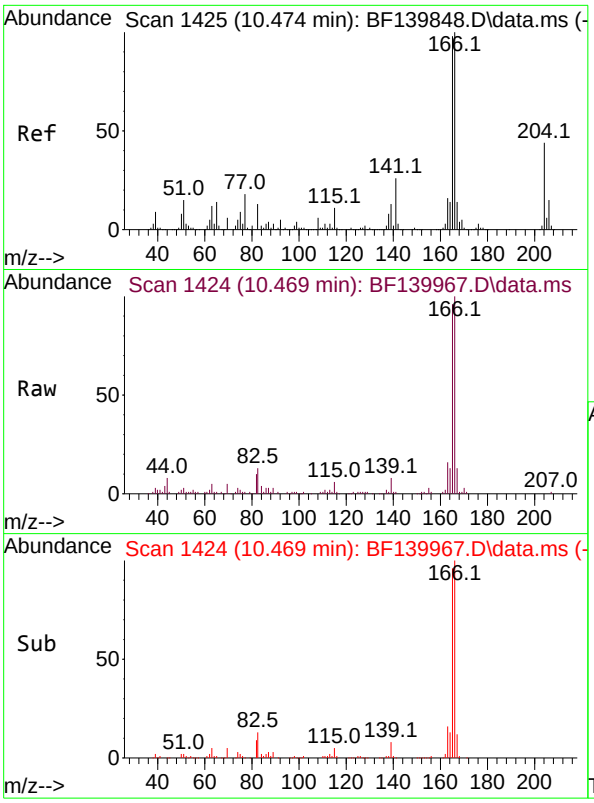


#52
Acenaphthene
Concen: 6.710 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF139967.D
Acq: 23 Oct 2024 16:32

Tgt Ion:154 Resp: 118814

Ion	Ratio	Lower	Upper
154	100		
153	111.1	89.8	134.6
152	53.2	42.4	63.6



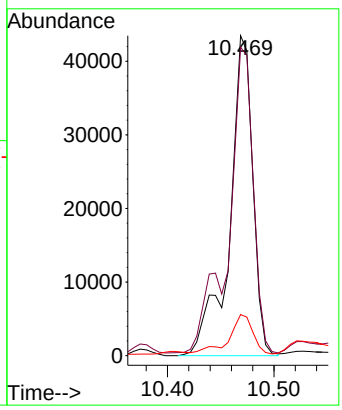


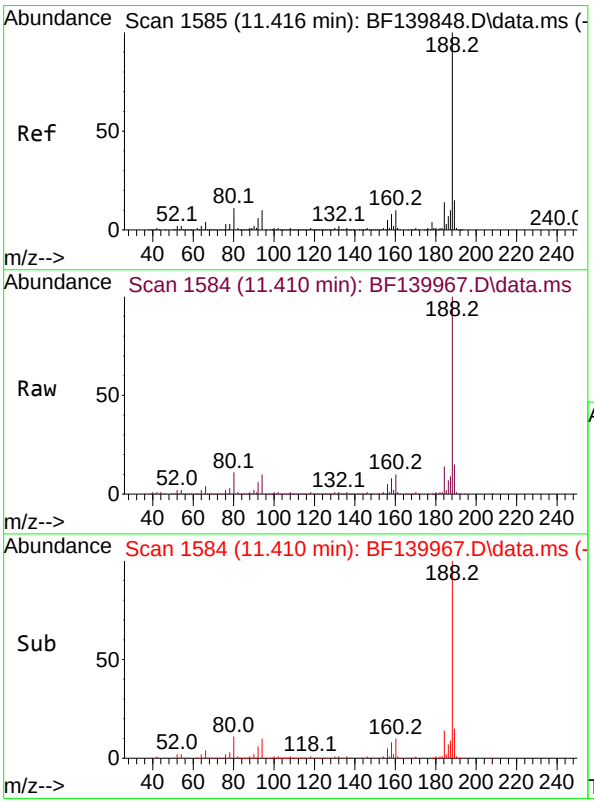
#58
Fluorene
Concen: 3.430 ng
RT: 10.469 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF139967.D
Acq: 23 Oct 2024 16:32

Instrument :
BNA_F
ClientSampleId :
WB-301-BOT

Tgt Ion:166 Resp: 66381

Ion	Ratio	Lower	Upper
166	100		
165	96.4	78.5	117.7
167	12.8	10.9	16.3

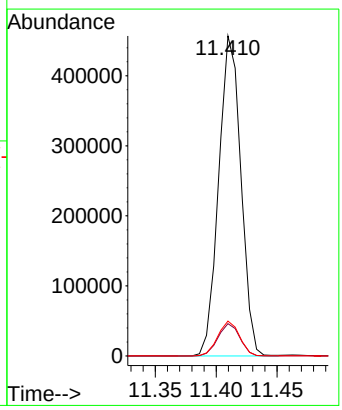


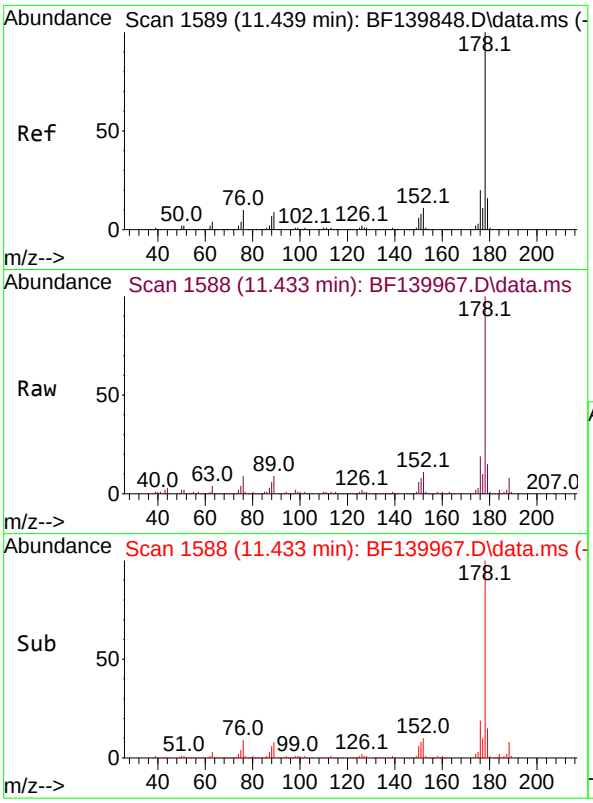


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF139967.D
Acq: 23 Oct 2024 16:32

Tgt Ion:188 Resp: 580027

Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.9	11.9
80	10.9	9.0	13.4



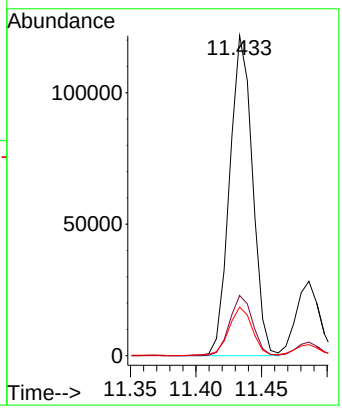


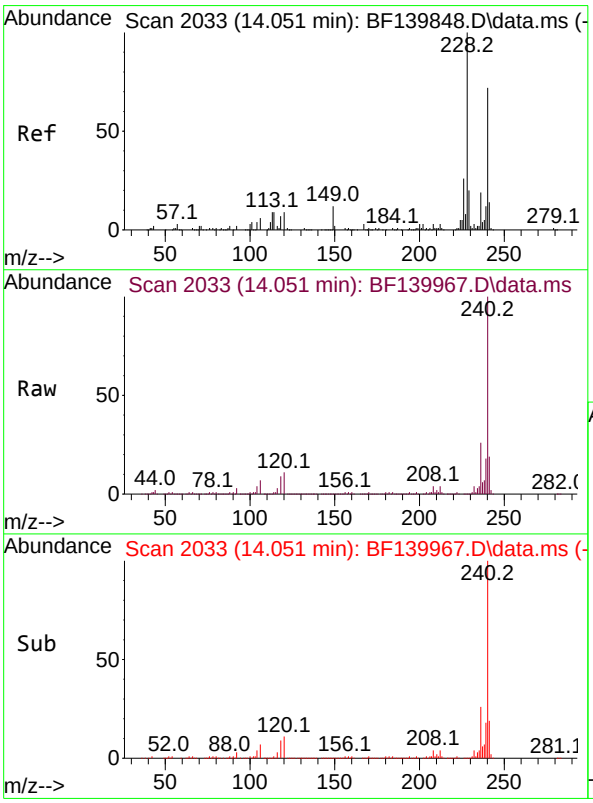
#71
Phenanthrene
Concen: 5.403 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139967.D
Acq: 23 Oct 2024 16:32

Instrument :
BNA_F
ClientSampleId :
WB-301-BOT

Tgt Ion:178 Resp: 148040

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.6
179	15.2	12.6	18.8

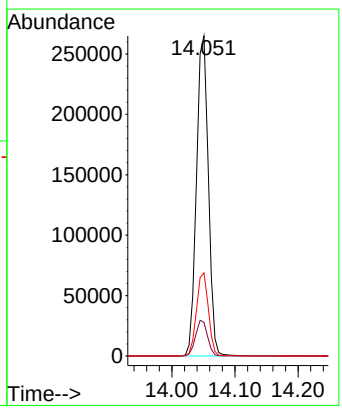


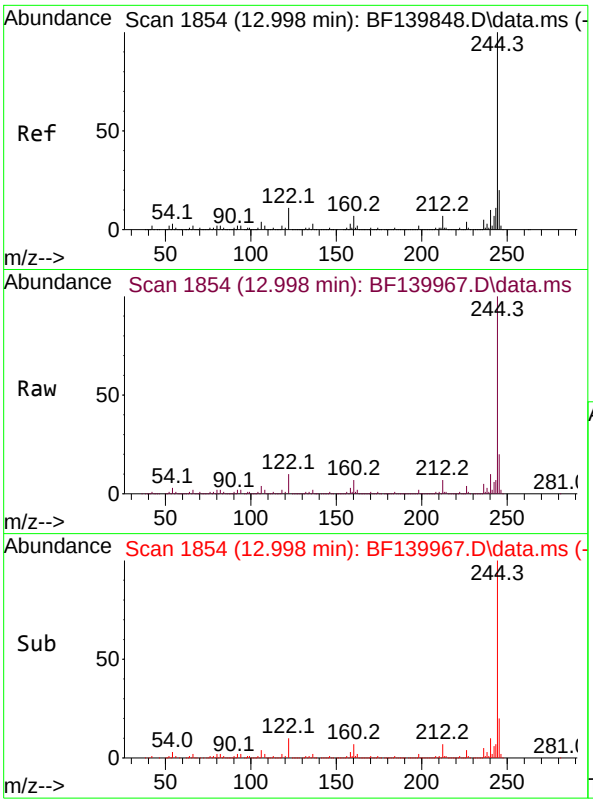


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139967.D
Acq: 23 Oct 2024 16:32

Tgt Ion:240 Resp: 346002

Ion	Ratio	Lower	Upper
240	100		
120	10.5	9.4	14.2
236	26.0	20.9	31.3



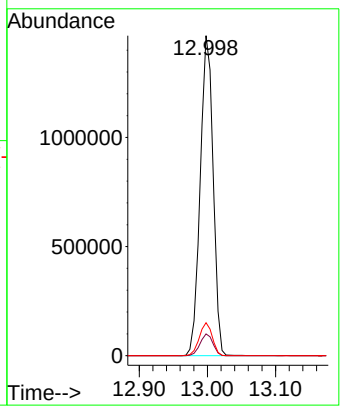


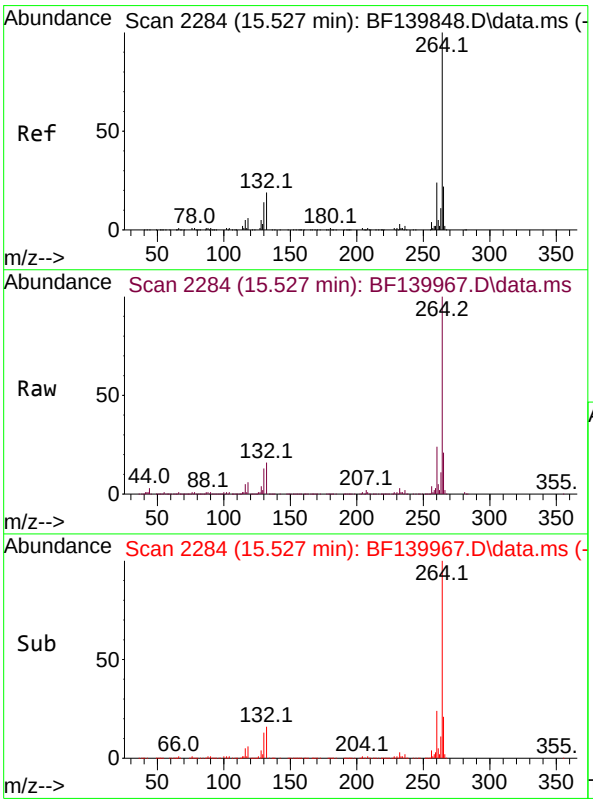
#79
Terphenyl-d14
Concen: 91.213 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139967.D
Acq: 23 Oct 2024 16:32

Instrument :
BNA_F
ClientSampleId :
WB-301-BOT

Tgt Ion:244 Resp: 1936806

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	10.3	8.6	13.0

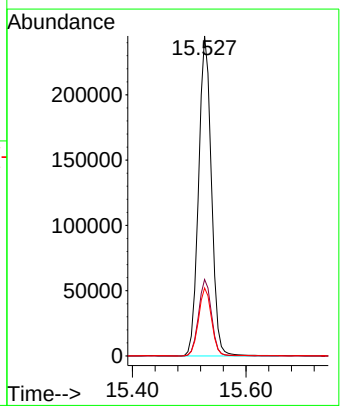




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF139967.D
Acq: 23 Oct 2024 16:32

Tgt Ion:264 Resp: 384483

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.2
265	21.3	17.4	26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF139995.D
Acq On : 24 Oct 2024 12:17
Operator : RC/JU
Sample : PB164301TB
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164301TB

Quant Time: Oct 24 13:01:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

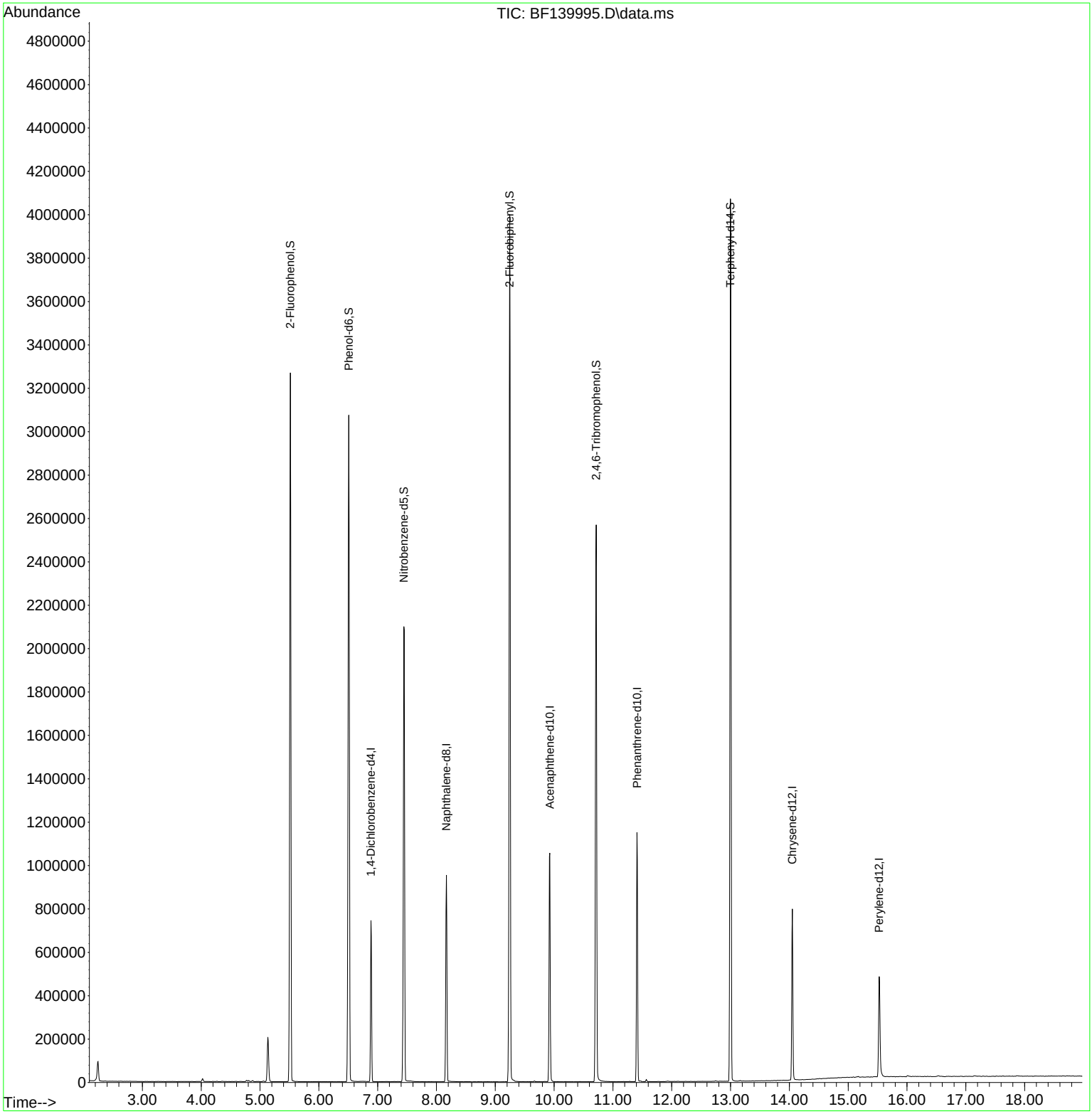
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	150783	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	595039	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	333938	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	606007	20.000	ng	0.00
76) Chrysene-d12	14.051	240	376899	20.000	ng	0.00
86) Perylene-d12	15.527	264	307486	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1294401	134.390	ng	0.02
7) Phenol-d6	6.510	99	1614427	129.417	ng	0.00
23) Nitrobenzene-d5	7.445	82	1056450	98.401	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	504219	161.425	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1915478	94.799	ng	0.00
79) Terphenyl-d14	12.998	244	2161585	93.454	ng	0.00
Target Compounds						Qvalue

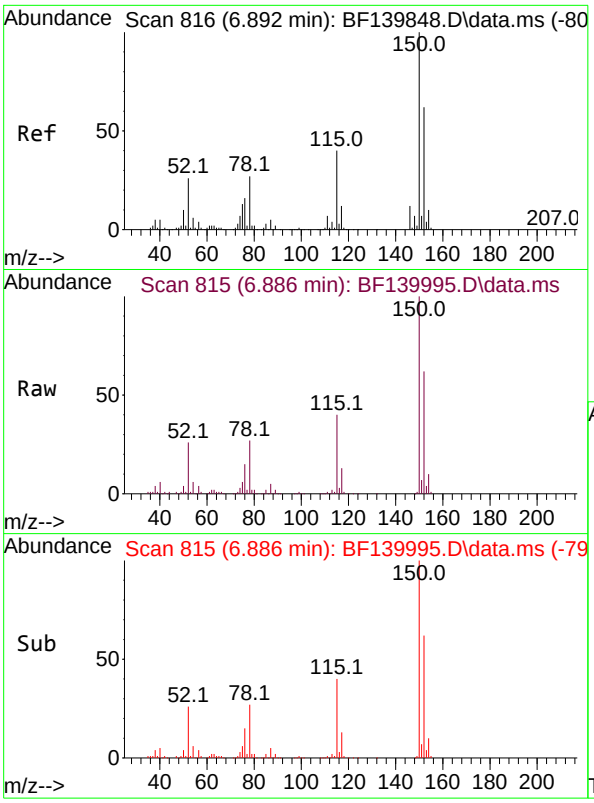
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF139995.D
Acq On : 24 Oct 2024 12:17
Operator : RC/JU
Sample : PB164301TB
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164301TB

Quant Time: Oct 24 13:01:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration



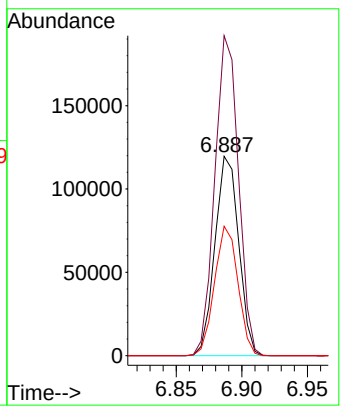


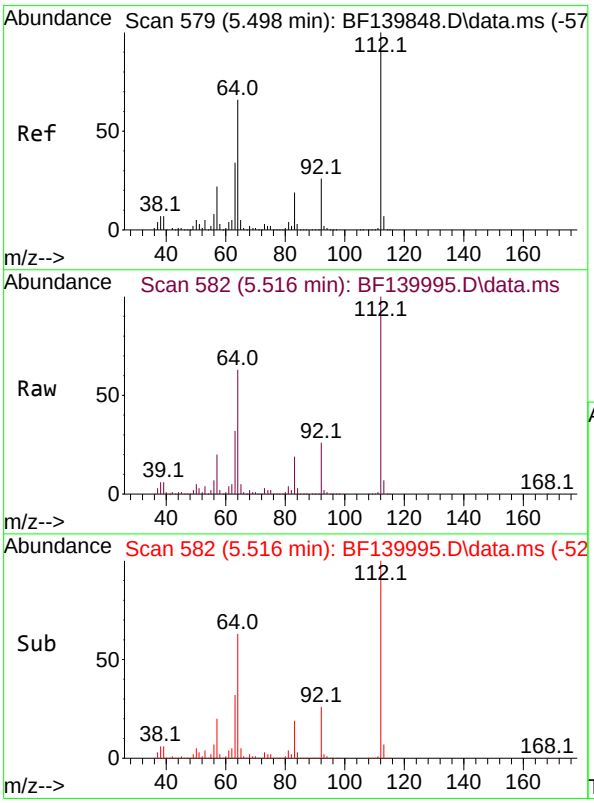
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139995.D
Acq: 24 Oct 2024 12:17

Instrument :
BNA_F
ClientSampleId :
PB164301TB

Tgt Ion:152 Resp: 150783

Ion	Ratio	Lower	Upper
152	100		
150	160.5	130.2	195.2
115	64.9	51.4	77.2

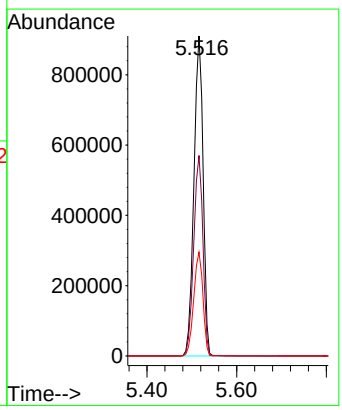


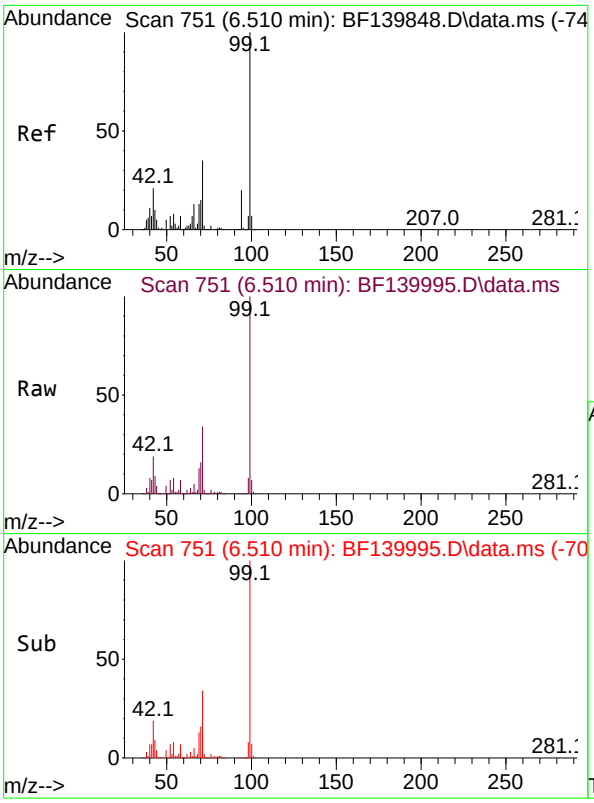


#5
2-Fluorophenol
Concen: 134.390 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.018 min
Lab File: BF139995.D
Acq: 24 Oct 2024 12:17

Tgt Ion:112 Resp: 1294401

Ion	Ratio	Lower	Upper
112	100		
64	62.7	53.0	79.6
63	32.5	27.0	40.4



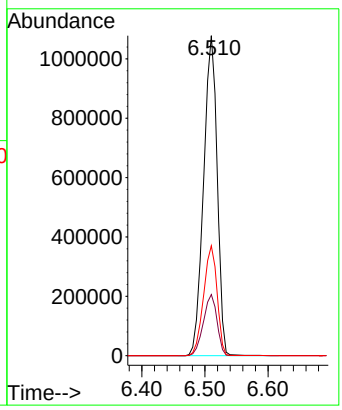


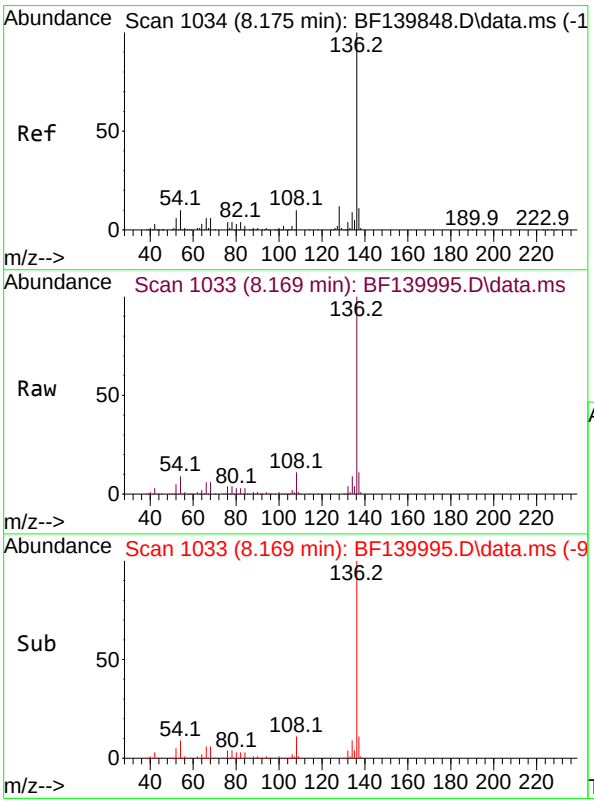
#7
Phenol-d6
Concen: 129.417 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF139995.D
Acq: 24 Oct 2024 12:17

Instrument :
BNA_F
ClientSampleId :
PB164301TB

Tgt Ion: 99 Resp: 1614427

Ion	Ratio	Lower	Upper
99	100		
42	19.1	16.7	25.1
71	34.4	27.7	41.5

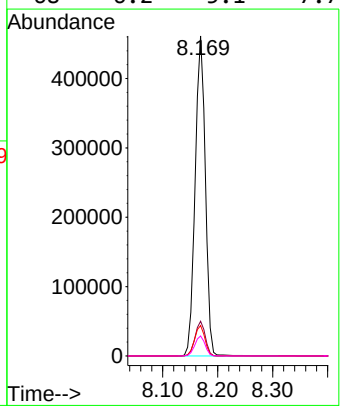


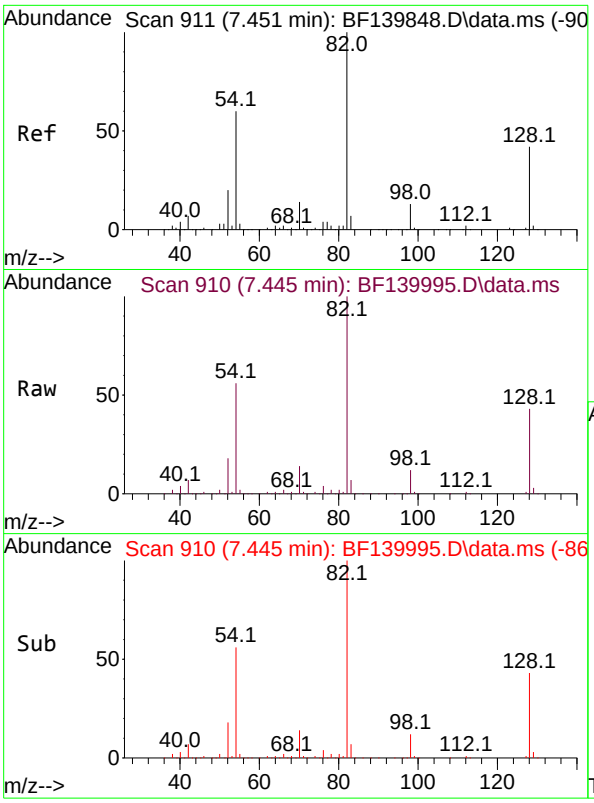


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139995.D
Acq: 24 Oct 2024 12:17

Tgt Ion:136 Resp: 595039

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	9.5	8.4	12.6
68	6.2	5.1	7.7



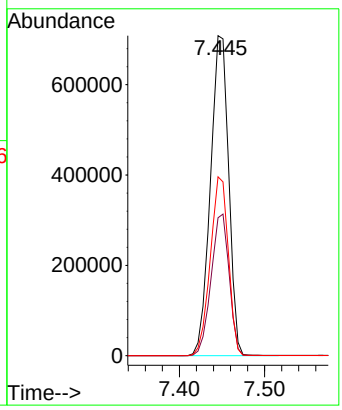


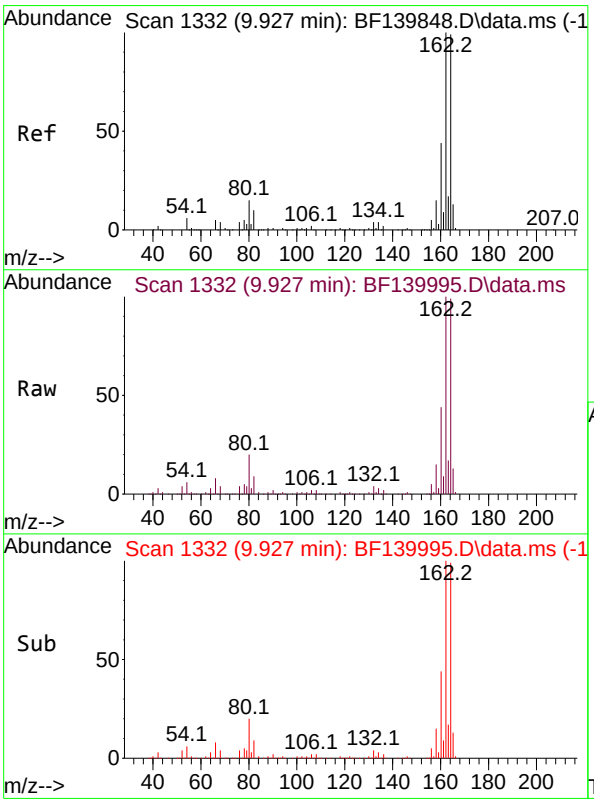
#23
Nitrobenzene-d5
Concen: 98.401 ng
RT: 7.445 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF139995.D
Acq: 24 Oct 2024 12:17

Instrument :
BNA_F
ClientSampleId :
PB164301TB

Tgt Ion: 82 Resp: 1056450

Ion	Ratio	Lower	Upper
82	100		
128	43.1	33.4	50.0
54	55.9	47.8	71.8

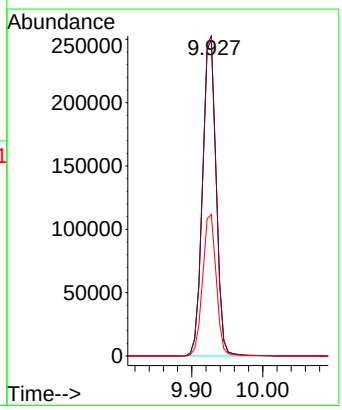


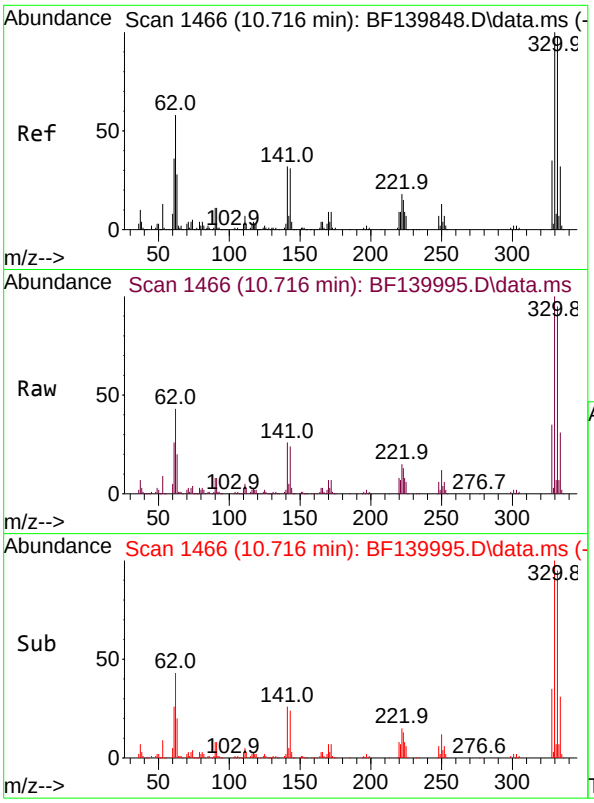


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1332
Delta R.T. 0.000 min
Lab File: BF139995.D
Acq: 24 Oct 2024 12:17

Tgt Ion:164 Resp: 333938

Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.0	121.4
160	44.8	35.4	53.0



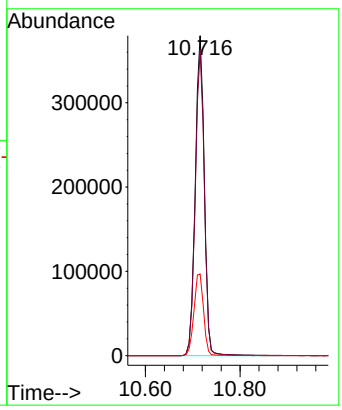


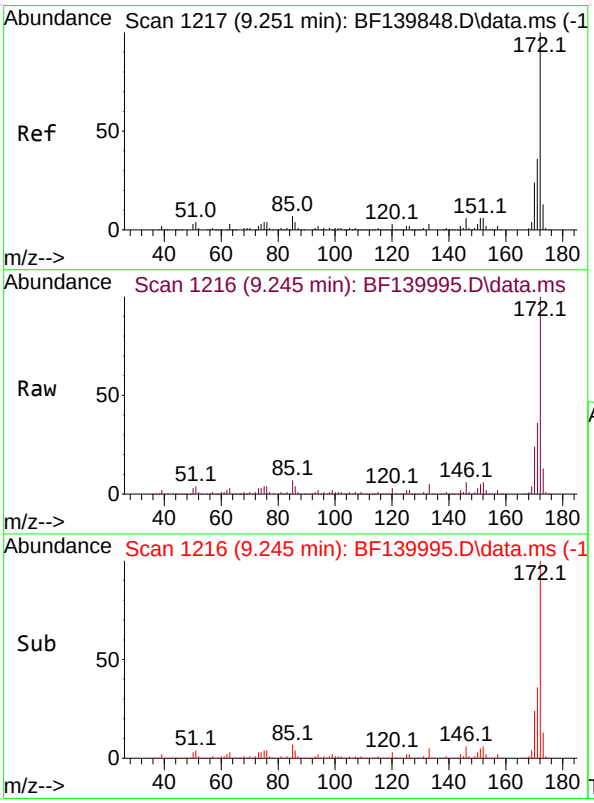
#42
2,4,6-Tribromophenol
Concen: 161.425 ng
RT: 10.716 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF139995.D
Acq: 24 Oct 2024 12:17

Instrument :
BNA_F
ClientSampleId :
PB164301TB

Tgt Ion:330 Resp: 504219

Ion	Ratio	Lower	Upper
330	100		
332	95.6	78.1	117.1
141	27.3	26.6	39.8

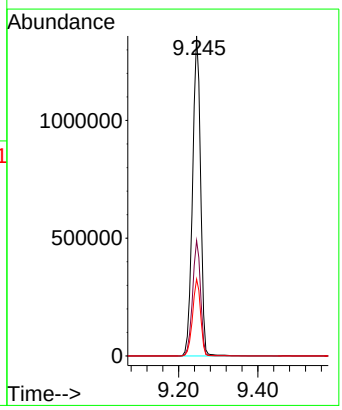


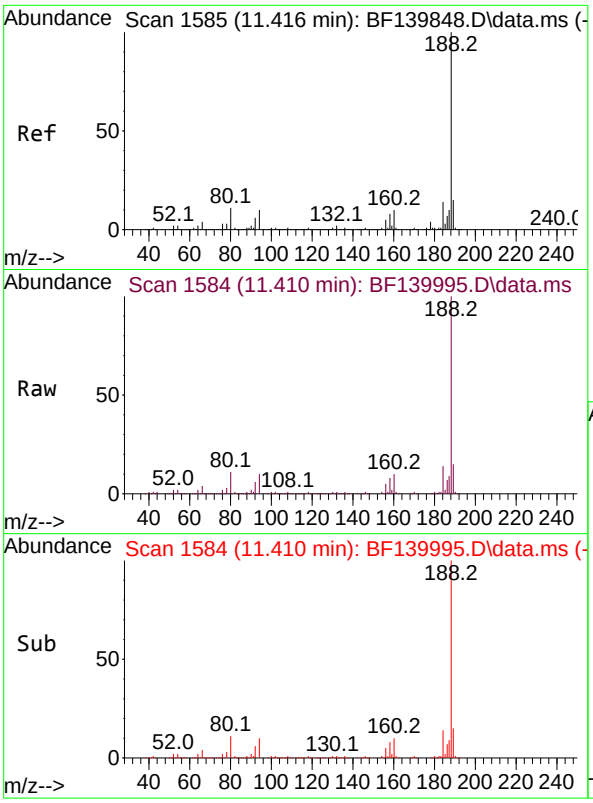


#45
2-Fluorobiphenyl
Concen: 94.799 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139995.D
Acq: 24 Oct 2024 12:17

Tgt Ion:172 Resp: 1915478

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	43.0
170	24.0	19.1	28.7



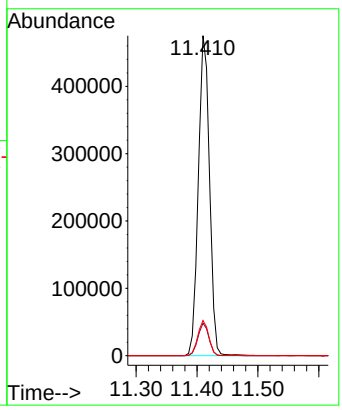


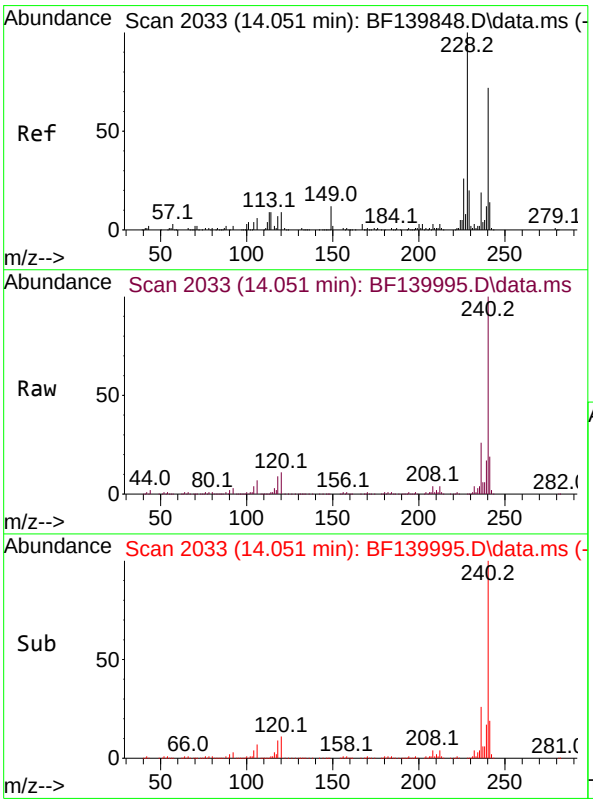
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139995.D
Acq: 24 Oct 2024 12:17

Instrument :
BNA_F
ClientSampleId :
PB164301TB

Tgt Ion:188 Resp: 606007

Ion	Ratio	Lower	Upper
188	100		
94	10.2	7.9	11.9
80	11.0	9.0	13.4

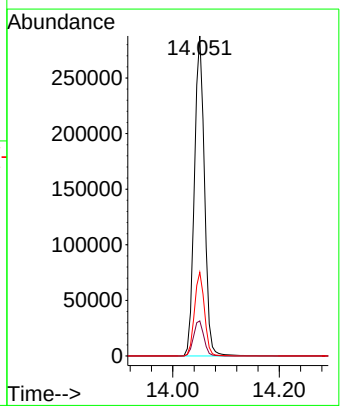


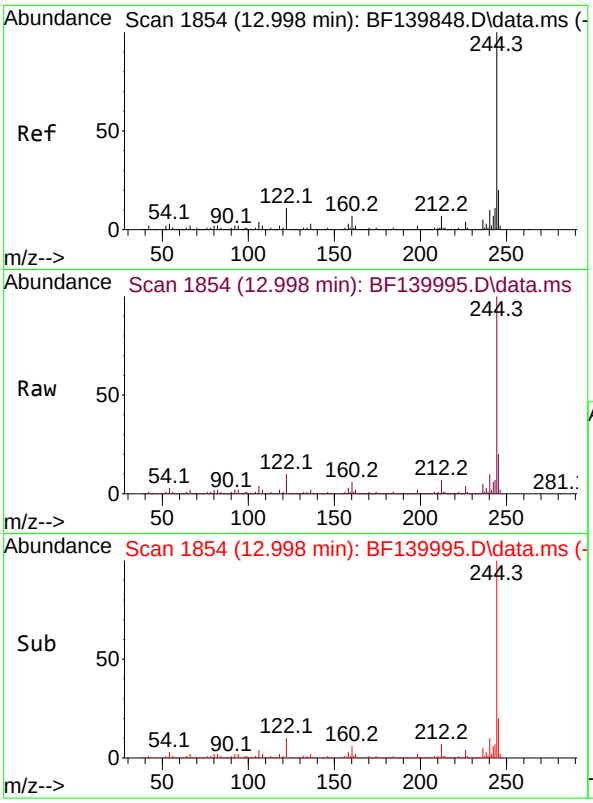


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139995.D
Acq: 24 Oct 2024 12:17

Tgt Ion:240 Resp: 376899

Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.4	14.2
236	26.1	20.9	31.3



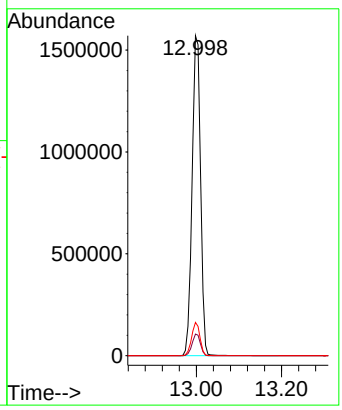


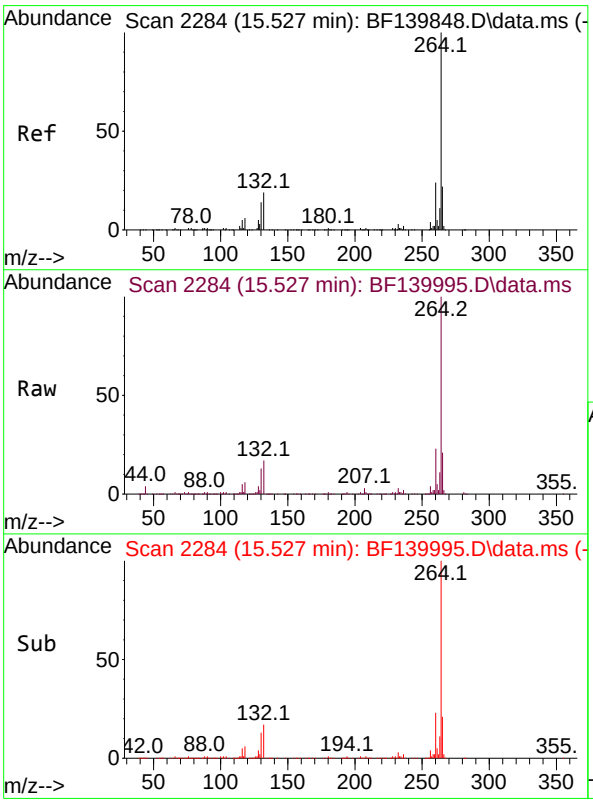
#79
Terphenyl-d14
Concen: 93.454 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF139995.D
Acq: 24 Oct 2024 12:17

Instrument :
BNA_F
ClientSampleId :
PB164301TB

Tgt Ion:244 Resp: 2161585

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	10.4	8.6	13.0

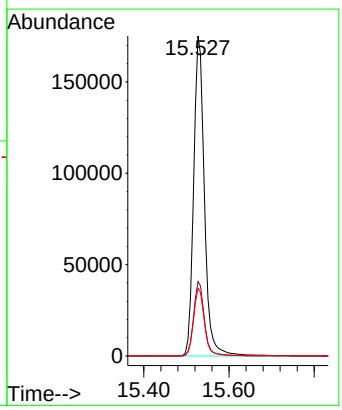




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF139995.D
Acq: 24 Oct 2024 12:17

Tgt Ion:264 Resp: 307486

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.4	29.2
265	21.2	17.4	26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF139993.D
Acq On : 24 Oct 2024 11:20
Operator : RC/JU
Sample : PB164315BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164315BL

Quant Time: Oct 24 11:52:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

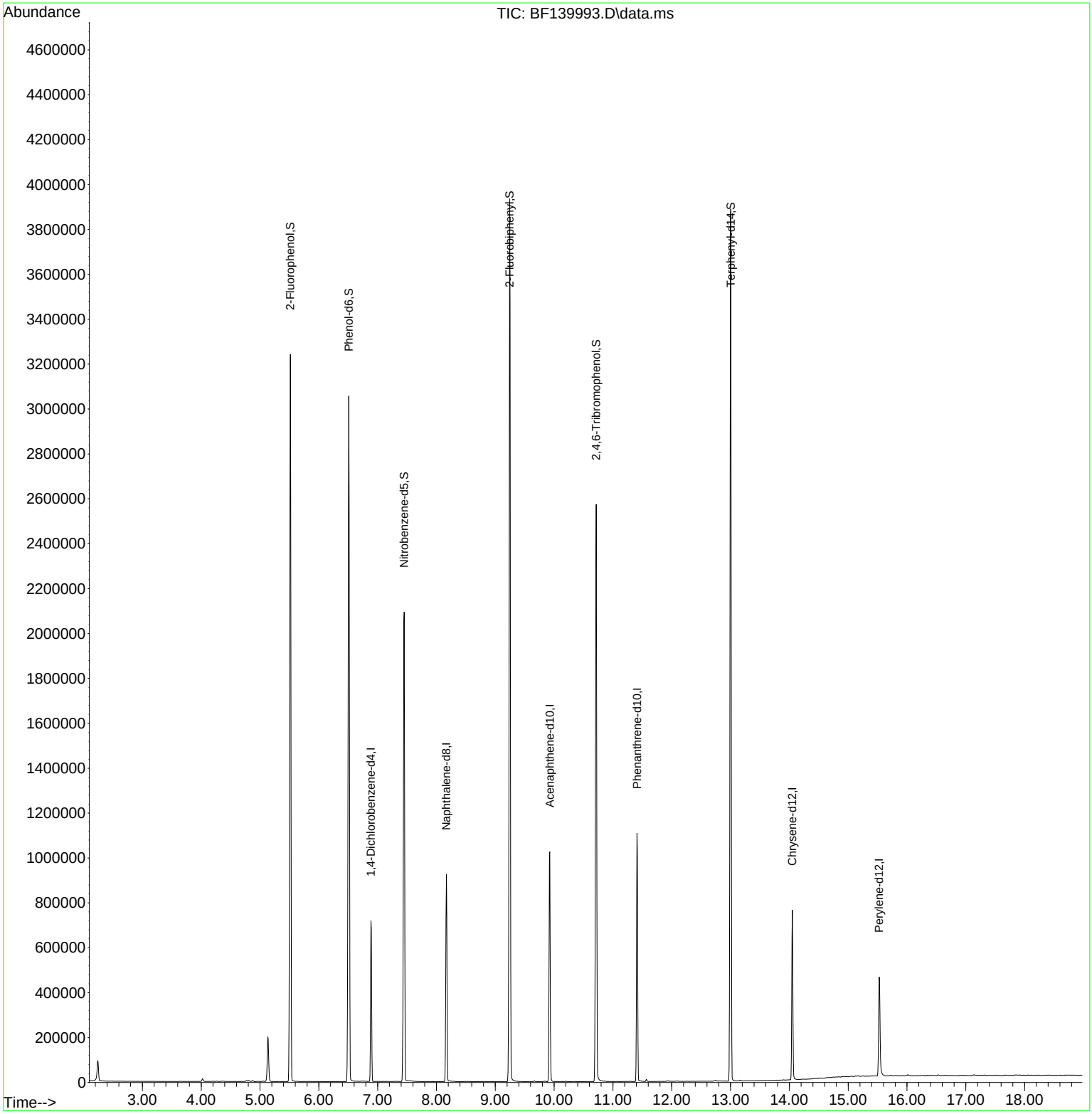
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	148560	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	574491	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	327603	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	592376	20.000	ng	0.00
76) Chrysene-d12	14.051	240	363554	20.000	ng	0.00
86) Perylene-d12	15.527	264	290384	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1274979	134.354	ng	0.02
7) Phenol-d6	6.510	99	1593884	129.682	ng	0.00
23) Nitrobenzene-d5	7.451	82	1033088	99.666	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	494475	161.367	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1880319	94.859	ng	0.00
79) Terphenyl-d14	13.004	244	2127175	95.342	ng	0.00
Target Compounds						Qvalue

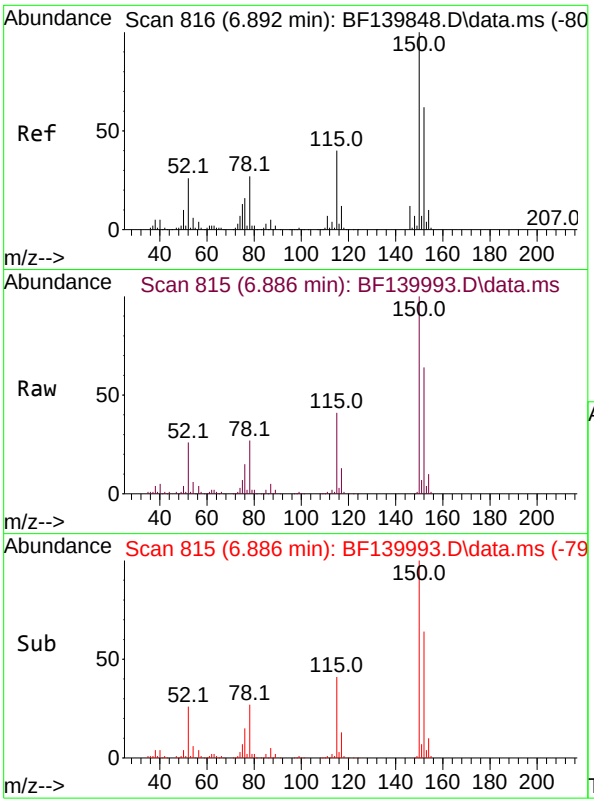
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF139993.D
Acq On : 24 Oct 2024 11:20
Operator : RC/JU
Sample : PB164315BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164315BL

Quant Time: Oct 24 11:52:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration



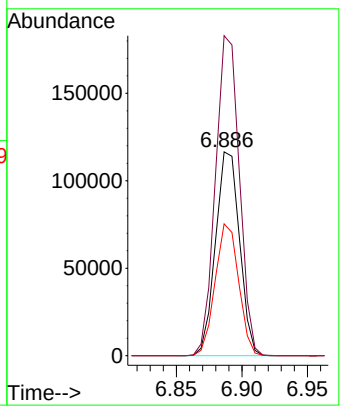


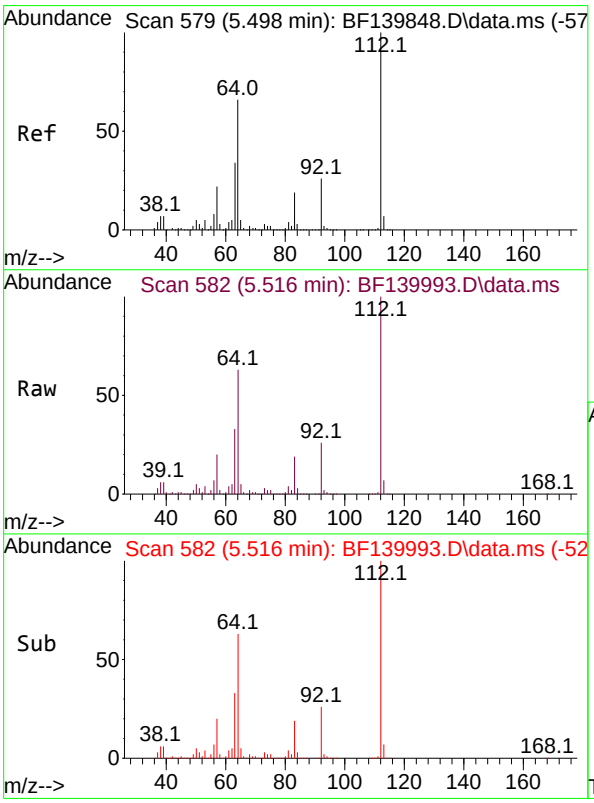
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF139993.D
Acq: 24 Oct 2024 11:20

Instrument :
BNA_F
ClientSampleId :
PB164315BL

Tgt Ion:152 Resp: 148560

Ion	Ratio	Lower	Upper
152	100		
150	156.9	130.2	195.2
115	64.6	51.4	77.2

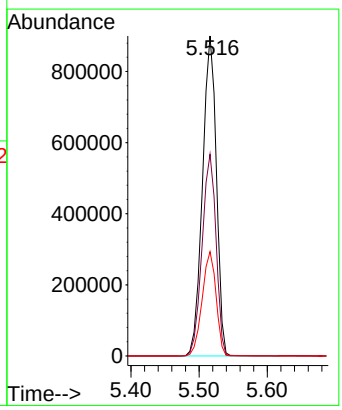


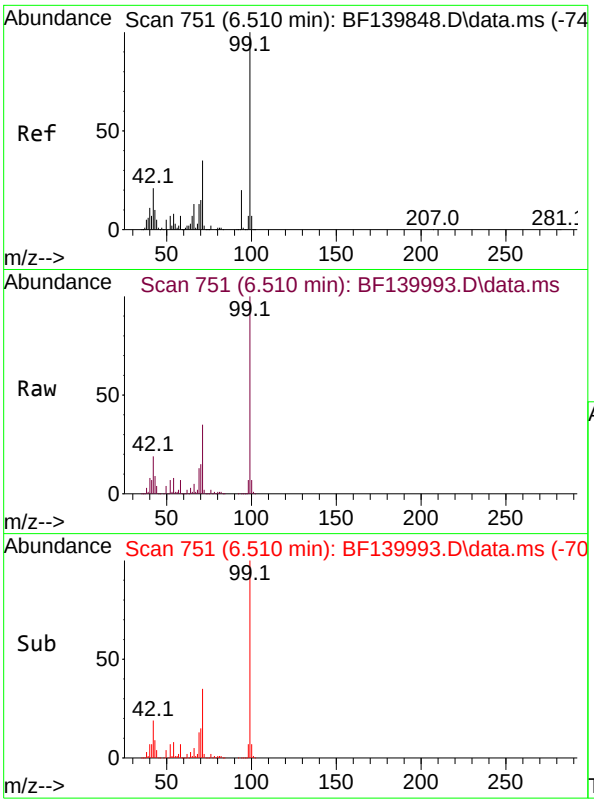


#5
2-Fluorophenol
Concen: 134.354 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.018 min
Lab File: BF139993.D
Acq: 24 Oct 2024 11:20

Tgt Ion:112 Resp: 1274979

Ion	Ratio	Lower	Upper
112	100		
64	63.0	53.0	79.6
63	32.6	27.0	40.4



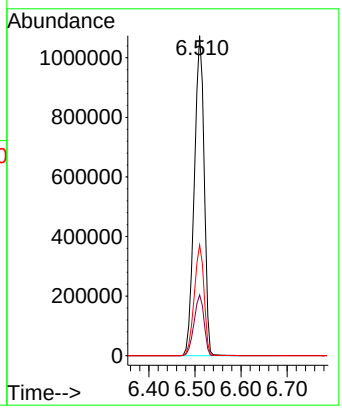


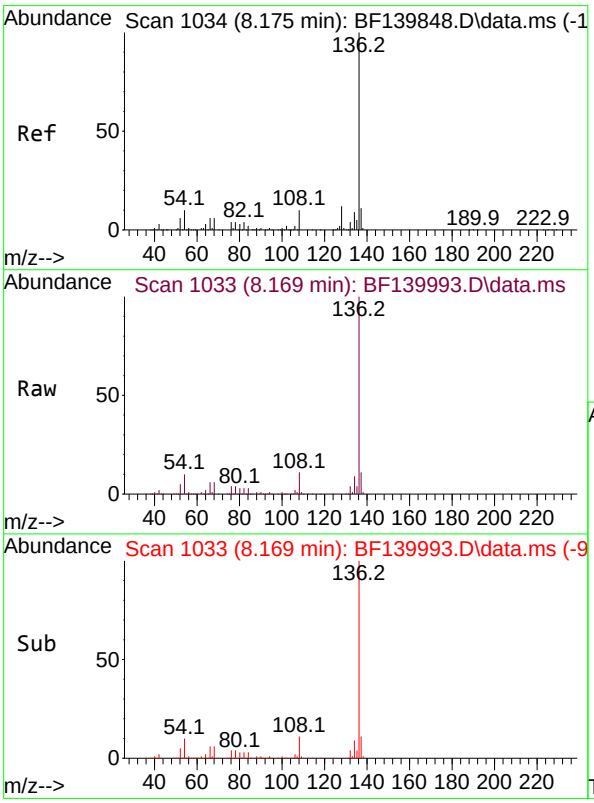
#7
Phenol-d6
Concen: 129.682 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF139993.D
Acq: 24 Oct 2024 11:20

Instrument :
BNA_F
ClientSampleId :
PB164315BL

Tgt Ion: 99 Resp: 1593884

Ion	Ratio	Lower	Upper
99	100		
42	19.0	16.7	25.1
71	34.6	27.7	41.5

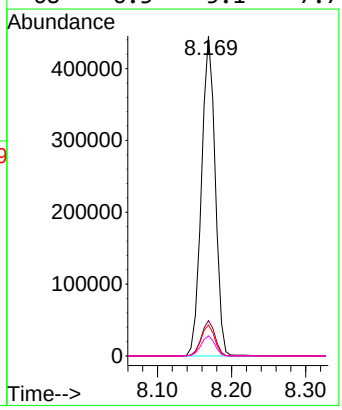


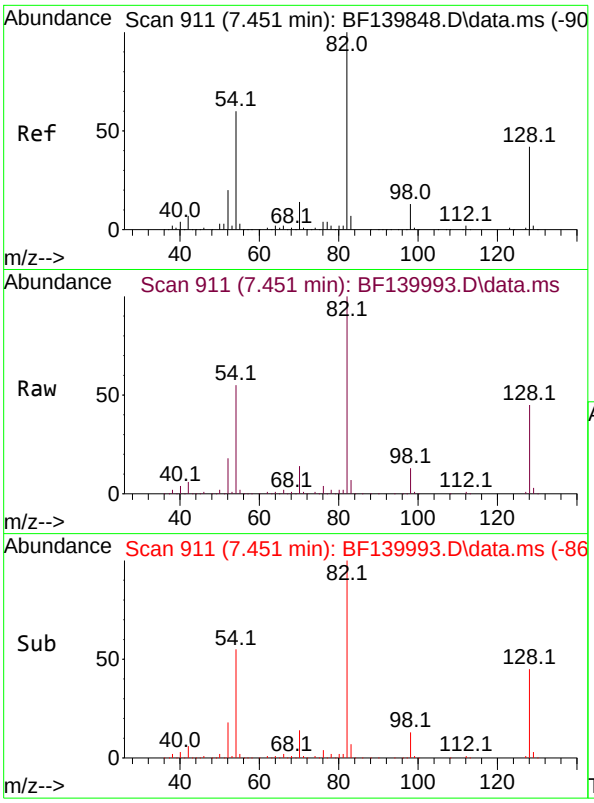


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139993.D
Acq: 24 Oct 2024 11:20

Tgt Ion:136 Resp: 574491

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	9.7	8.4	12.6
68	6.3	5.1	7.7



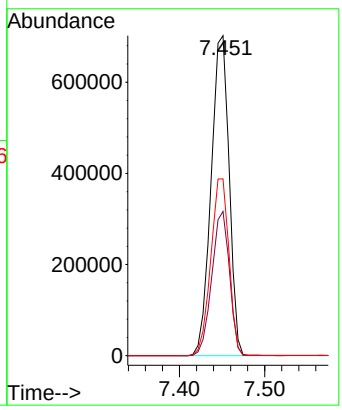


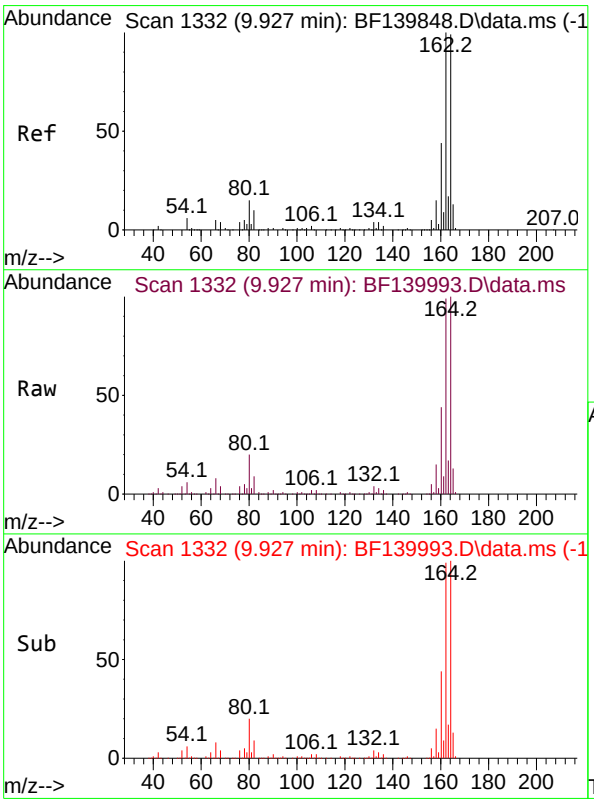
#23
Nitrobenzene-d5
Concen: 99.666 ng
RT: 7.451 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF139993.D
Acq: 24 Oct 2024 11:20

Instrument :
BNA_F
ClientSampleId :
PB164315BL

Tgt Ion: 82 Resp: 1033088

Ion	Ratio	Lower	Upper
82	100		
128	45.0	33.4	50.0
54	55.3	47.8	71.8

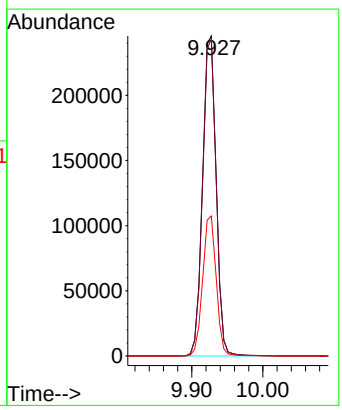


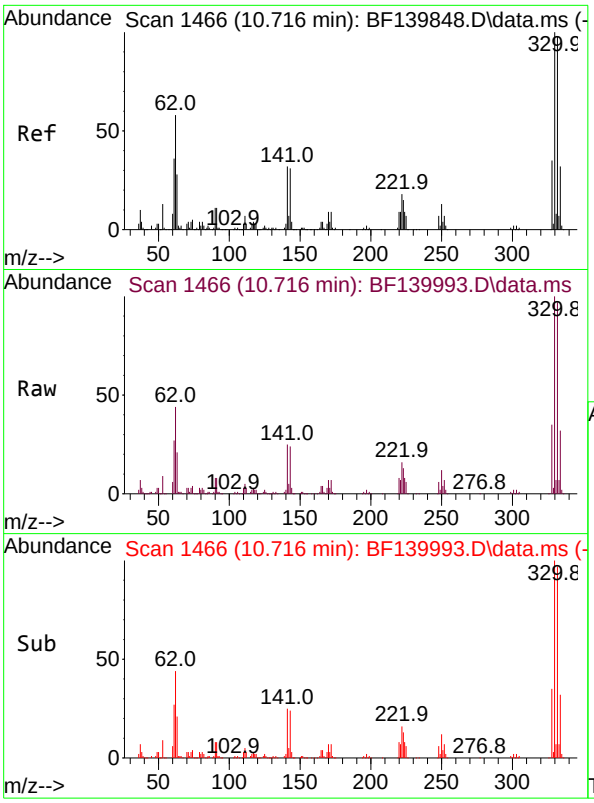


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1332
Delta R.T. 0.000 min
Lab File: BF139993.D
Acq: 24 Oct 2024 11:20

Tgt Ion:164 Resp: 327603

Ion	Ratio	Lower	Upper
164	100		
162	99.0	81.0	121.4
160	43.7	35.4	53.0



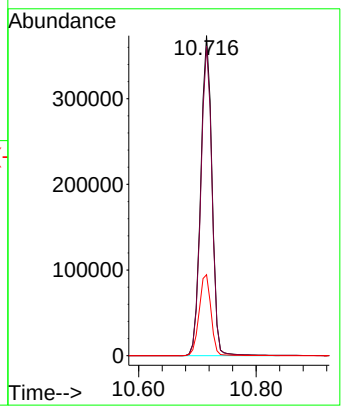


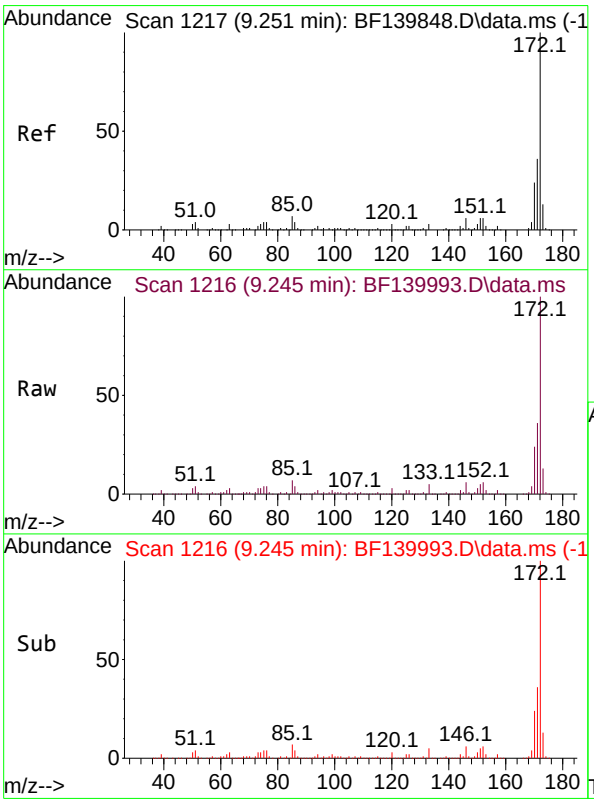
#42
2,4,6-Tribromophenol
Concen: 161.367 ng
RT: 10.716 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF139993.D
Acq: 24 Oct 2024 11:20

Instrument :
BNA_F
ClientSampleId :
PB164315BL

Tgt Ion:330 Resp: 494475

Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.1	117.1
141	26.7	26.6	39.8

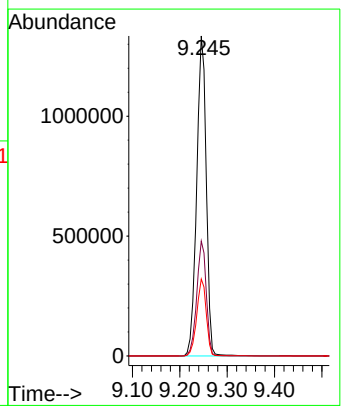


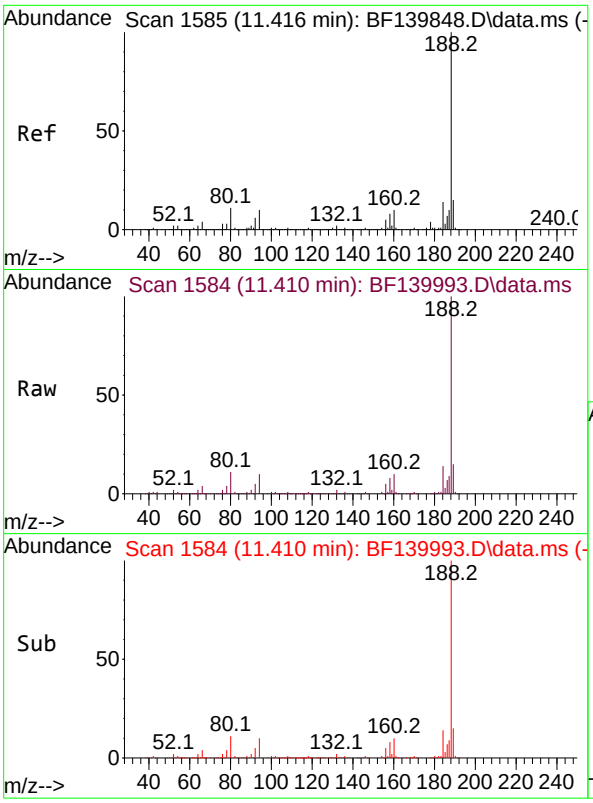


#45
2-Fluorobiphenyl
Concen: 94.859 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139993.D
Acq: 24 Oct 2024 11:20

Tgt Ion:172 Resp: 1880319

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	43.0
170	24.0	19.1	28.7



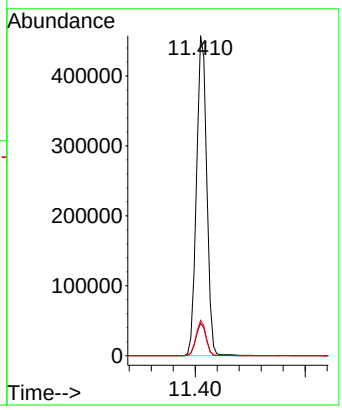


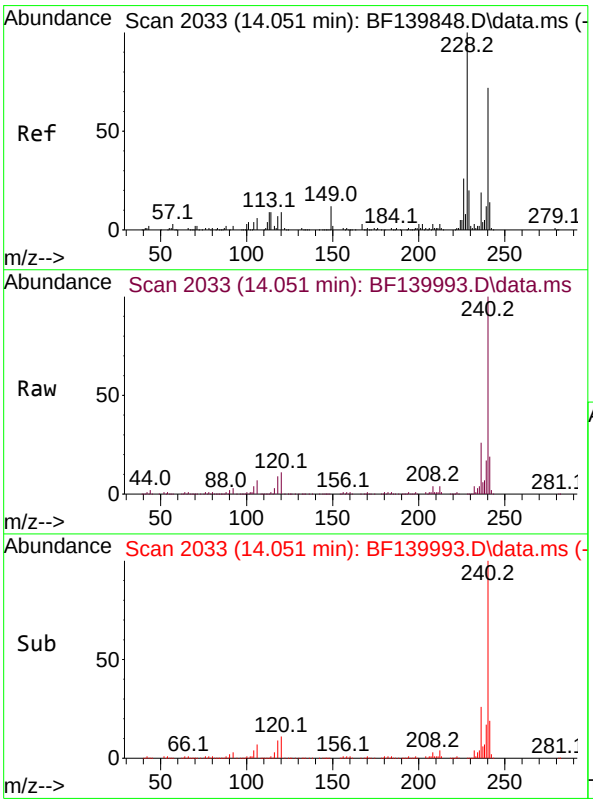
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139993.D
Acq: 24 Oct 2024 11:20

Instrument :
BNA_F
ClientSampleId :
PB164315BL

Tgt Ion:188 Resp: 592376

Ion	Ratio	Lower	Upper
188	100		
94	10.2	7.9	11.9
80	11.0	9.0	13.4

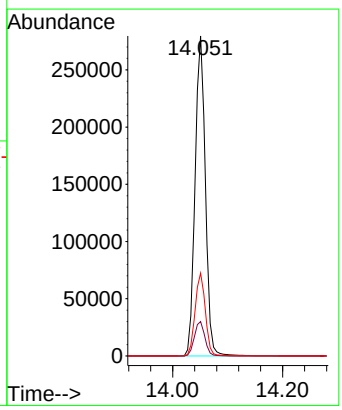


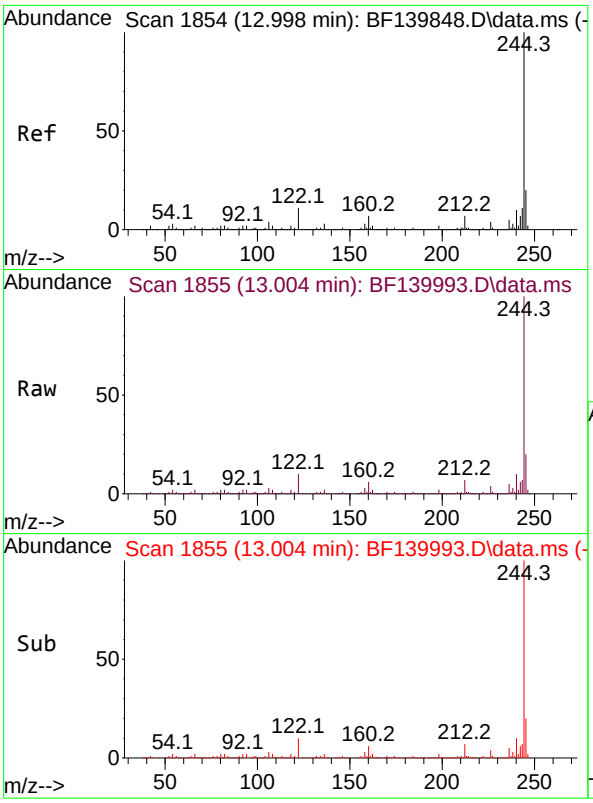


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF139993.D
Acq: 24 Oct 2024 11:20

Tgt Ion:240 Resp: 363554

Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.4	14.2
236	25.9	20.9	31.3



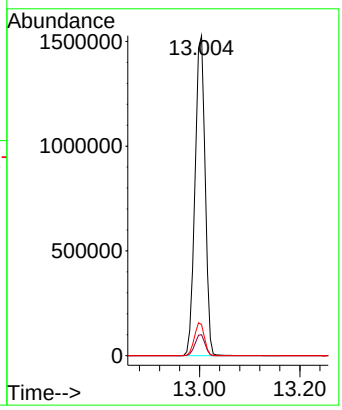


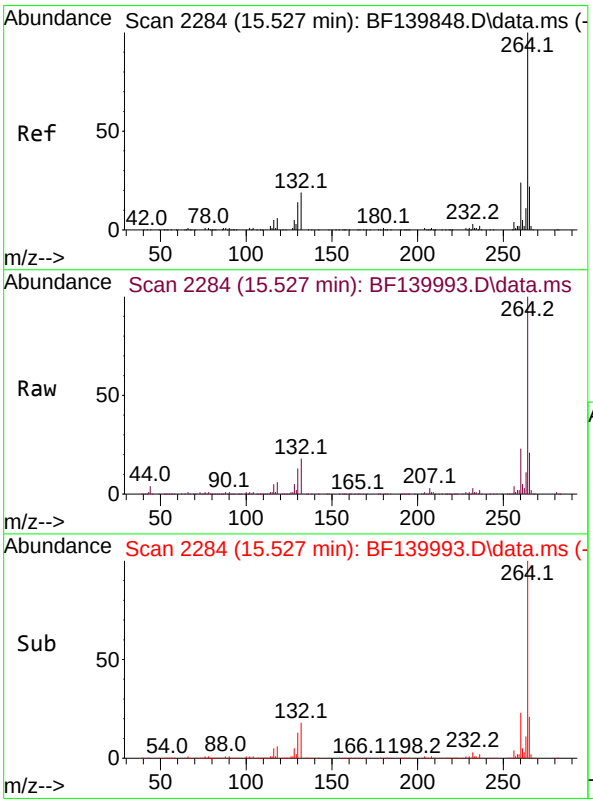
#79
Terphenyl-d14
Concen: 95.342 ng
RT: 13.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF139993.D
Acq: 24 Oct 2024 11:20

Instrument :
BNA_F
ClientSampleId :
PB164315BL

Tgt Ion:244 Resp: 2127175

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.7	8.5
122	9.7	8.6	13.0

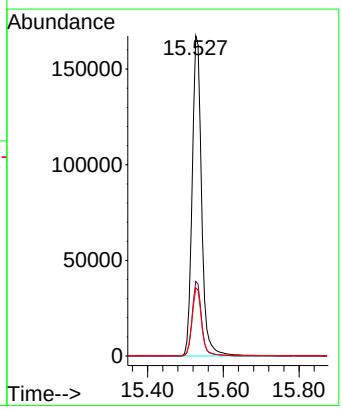




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. -0.000 min
Lab File: BF139993.D
Acq: 24 Oct 2024 11:20

Tgt Ion:264 Resp: 290384

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.4	29.2
265	21.3	17.4	26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF139994.D
Acq On : 24 Oct 2024 11:49
Operator : RC/JU
Sample : PB164315BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164315BS

Quant Time: Oct 24 12:21:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	143702	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	566601	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	302186	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	535948	20.000	ng	0.00
76) Chrysene-d12	14.051	240	260625	20.000	ng	0.00
86) Perylene-d12	15.527	264	282742	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1160292	126.402	ng	0.02
7) Phenol-d6	6.516	99	1462769	123.038	ng	0.00
23) Nitrobenzene-d5	7.451	82	954892	93.405	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	446749	158.054	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1707500	93.386	ng	0.00
79) Terphenyl-d14	12.998	244	1703690	106.518	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.757	88	154698	36.146	ng	95
3) Pyridine	3.516	79	411484	38.788	ng	95
4) n-Nitrosodimethylamine	3.463	42	234738	41.185	ng	96
6) Aniline	6.551	93	439543	39.670	ng	99
8) 2-Chlorophenol	6.675	128	450392	47.995	ng	96
9) Benzaldehyde	6.440	77	107591	16.087	ng	98
10) Phenol	6.528	94	549026m	44.794	ng	
11) bis(2-Chloroethyl)ether	6.628	93	430120	45.402	ng	97
12) 1,3-Dichlorobenzene	6.834	146	476596	44.243	ng	99
13) 1,4-Dichlorobenzene	6.910	146	487421	45.290	ng	98
14) 1,2-Dichlorobenzene	7.063	146	465007	46.296	ng	99
15) Benzyl Alcohol	7.028	79	404111	46.338	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.163	45	708497	43.860	ng	97
17) 2-Methylphenol	7.140	107	372824	46.592	ng	99
18) Hexachloroethane	7.404	117	174507	45.471	ng	96
19) n-Nitroso-di-n-propyla...	7.304	70	324409	44.991	ng	95
20) 3+4-Methylphenols	7.287	107	452339	44.196	ng	94
22) Acetophenone	7.298	105	606884	43.730	ng	98
24) Nitrobenzene	7.469	77	489244	43.649	ng	100
25) Isophorone	7.710	82	884582	45.589	ng	99
26) 2-Nitrophenol	7.787	139	236831	56.009	ng	95
27) 2,4-Dimethylphenol	7.816	122	371793	52.731	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	532172	45.268	ng	100
29) 2,4-Dichlorophenol	8.022	162	370712	46.160	ng	100
30) 1,2,4-Trichlorobenzene	8.110	180	393537	44.285	ng	99
31) Naphthalene	8.192	128	1298729	44.444	ng	100
32) Benzoic acid	7.934	122	295362	48.029	ng	94
33) 4-Chloroaniline	8.239	127	191995	19.268	ng	98
34) Hexachlorobutadiene	8.310	225	252882	45.291	ng	100
35) Caprolactam	8.610	113	120736m	47.281	ng	
36) 4-Chloro-3-methylphenol	8.716	107	403239	45.345	ng	97
37) 2-Methylnaphthalene	8.886	142	823280	46.002	ng	99
38) 1-Methylnaphthalene	8.986	142	760399	43.306	ng	100
40) 1,2,4,5-Tetrachloroben...	9.051	216	388519	47.656	ng	99
41) Hexachlorocyclopentadiene	9.039	237	514537	181.387	ng	99
43) 2,4,6-Trichlorophenol	9.163	196	293862	50.913	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF139994.D
Acq On : 24 Oct 2024 11:49
Operator : RC/JU
Sample : PB164315BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164315BS

Quant Time: Oct 24 12:21:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

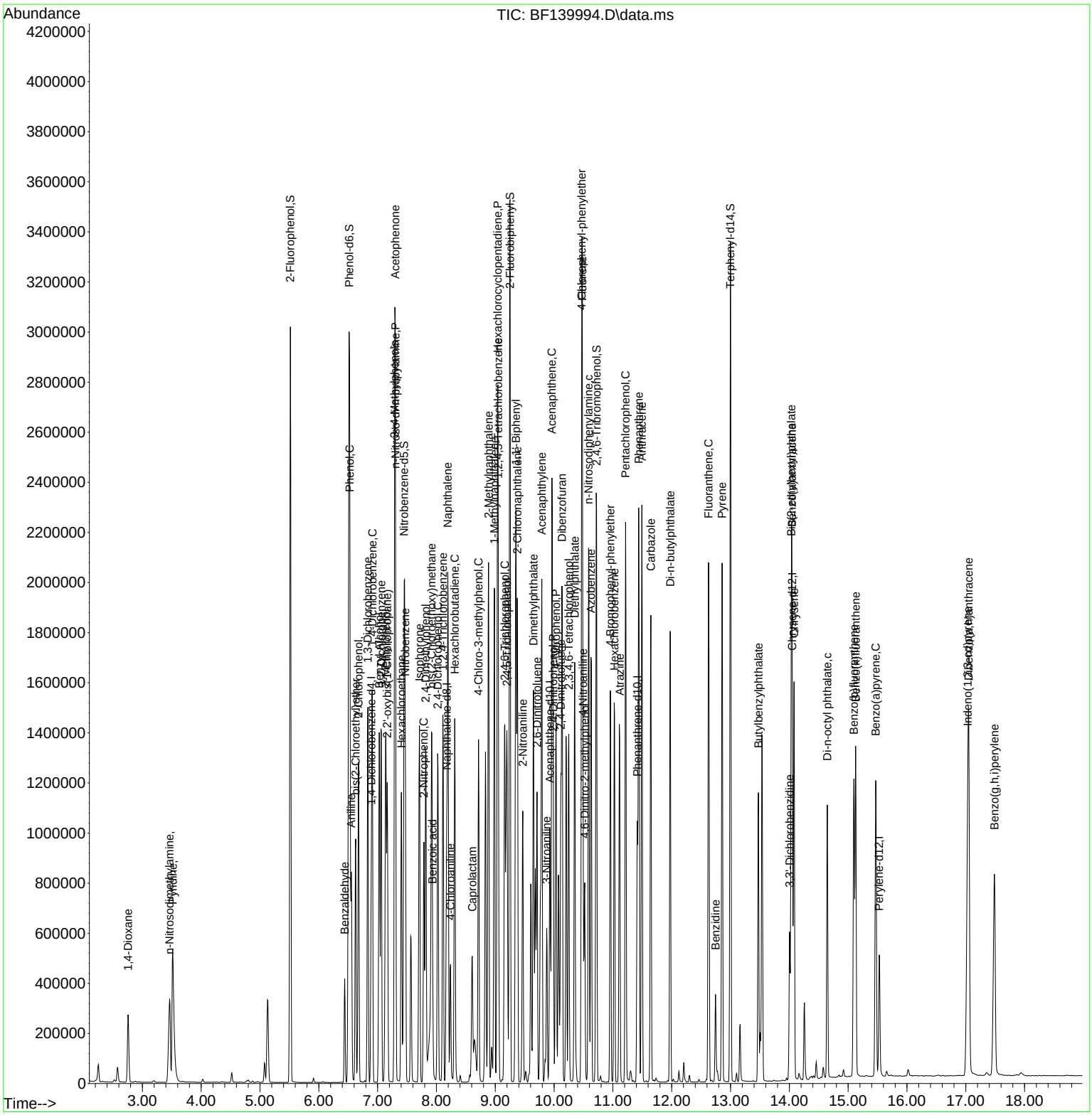
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	295995	49.705	ng		99
46) 1,1'-Biphenyl	9.351	154	990678	47.093	ng		99
47) 2-Chloronaphthalene	9.375	162	789590	46.602	ng		99
48) 2-Nitroaniline	9.469	65	269390	51.986	ng		93
49) Acenaphthylene	9.792	152	1234528	50.400	ng		99
50) Dimethylphthalate	9.651	163	921453	48.955	ng		100
51) 2,6-Dinitrotoluene	9.710	165	205171	50.343	ng		95
52) Acenaphthene	9.963	154	863112	54.470	ng		99
53) 3-Nitroaniline	9.875	138	125115	29.770	ng		97
54) 2,4-Dinitrophenol	9.986	184	224090	128.071	ng	#	1
55) Dibenzofuran	10.133	168	1095379	48.181	ng		99
56) 4-Nitrophenol	10.033	139	342409	105.897	ng		96
57) 2,4-Dinitrotoluene	10.116	165	274243	54.720	ng		96
58) Fluorene	10.480	166	821779	47.458	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	246416	52.785	ng		96
60) Diethylphthalate	10.351	149	883265	47.793	ng		100
61) 4-Chlorophenyl-phenyle...	10.469	204	419283	47.948	ng		98
62) 4-Nitroaniline	10.492	138	195741	49.313	ng		95
63) Azobenzene	10.628	77	905569	46.220	ng		98
65) 4,6-Dinitro-2-methylph...	10.522	198	150164	68.690	ng		90
66) n-Nitrosodiphenylamine	10.586	169	771009	48.066	ng		100
67) 4-Bromophenyl-phenylether	10.957	248	274971	49.802	ng		97
68) Hexachlorobenzene	11.028	284	308047	49.608	ng		94
69) Atrazine	11.116	200	249571	57.436	ng		99
70) Pentachlorophenol	11.216	266	373703	99.161	ng		99
71) Phenanthrene	11.439	178	1205859	47.632	ng		100
72) Anthracene	11.492	178	1233007	49.919	ng		100
73) Carbazole	11.645	167	1052474	45.816	ng		99
74) Di-n-butylphthalate	11.975	149	1249126	47.065	ng		100
75) Fluoranthene	12.627	202	1184700	46.291	ng		100
77) Benzidine	12.745	184	199428	46.535	ng		99
78) Pyrene	12.857	202	1178350	51.652	ng		100
80) Butylbenzylphthalate	13.474	149	366950	53.652	ng		98
81) Benzo(a)anthracene	14.045	228	854961	50.393	ng		99
82) 3,3'-Dichlorobenzidine	14.004	252	178968	36.180	ng		98
83) Chrysene	14.080	228	755642	48.577	ng		99
84) Bis(2-ethylhexyl)phtha...	14.033	149	411236	53.591	ng		99
85) Di-n-octyl phthalate	14.645	149	701121	50.233	ng		96
87) Indeno(1,2,3-cd)pyrene	17.033	276	1030056	56.629	ng		98
88) Benzo(b)fluoranthene	15.098	252	745894	43.307	ng		99
89) Benzo(k)fluoranthene	15.127	252	765437	51.531	ng		99
90) Benzo(a)pyrene	15.468	252	745619	52.612	ng		100
91) Dibenzo(a,h)anthracene	17.051	278	843072	55.560	ng		99
92) Benzo(g,h,i)perylene	17.486	276	798685	52.694	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
Data File : BF139994.D
Acq On : 24 Oct 2024 11:49
Operator : RC/JU
Sample : PB164315BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164315BS

Quant Time: Oct 24 12:21:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139970.D
Acq On : 23 Oct 2024 17:59
Operator : RC/JU
Sample : P4397-06MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 24 01:10:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.893	152	145719	20.000	ng		0.00
21) Naphthalene-d8	8.175	136	539980	20.000	ng		0.00
39) Acenaphthene-d10	9.928	164	259652	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	394534	20.000	ng		0.00
76) Chrysene-d12	14.057	240	319585	20.000	ng		0.00
86) Perylene-d12	15.533	264	328571	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.528	112	1184189	127.220	ng		0.03
7) Phenol-d6	6.516	99	1422654	118.007	ng		0.00
23) Nitrobenzene-d5	7.451	82	970341	99.596	ng		0.00
42) 2,4,6-Tribromophenol	10.716	330	341029	140.416	ng		0.00
45) 2-Fluorobiphenyl	9.245	172	1601722	101.950	ng		0.00
79) Terphenyl-d14	12.998	244	1549414	79.001	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.881	88	165499	38.134	ng	#	79
3) Pyridine	3.587	79	281056	26.127	ng		96
4) n-Nitrosodimethylamine	3.516	42	229291	39.672	ng		97
6) Aniline	6.557	93	163876	14.585	ng		97
8) 2-Chlorophenol	6.675	128	431885	45.386	ng		99
9) Benzaldehyde	6.446	77	27124	3.999	ng		92
10) Phenol	6.534	94	504851m	40.620	ng		
11) bis(2-Chloroethyl)ether	6.628	93	429093	44.667	ng		99
12) 1,3-Dichlorobenzene	6.834	146	446954	40.917	ng		99
13) 1,4-Dichlorobenzene	6.910	146	452366	41.451	ng		98
14) 1,2-Dichlorobenzene	7.063	146	437203	42.925	ng		98
15) Benzyl Alcohol	7.028	79	394187	44.575	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.163	45	692518	42.277	ng		97
17) 2-Methylphenol	7.140	107	362384	44.661	ng		99
18) Hexachloroethane	7.404	117	156969	40.335	ng		97
19) n-Nitroso-di-n-propyla...	7.304	70	318826	43.605	ng		96
20) 3+4-Methylphenols	7.293	107	447860	43.152	ng	#	81
22) Acetophenone	7.298	105	589821	44.596	ng		99
24) Nitrobenzene	7.475	77	464539	43.488	ng		98
25) Isophorone	7.710	82	850487	45.993	ng		99
26) 2-Nitrophenol	7.787	139	219714	54.522	ng		95
27) 2,4-Dimethylphenol	7.822	122	363608	54.112	ng		99
28) bis(2-Chloroethoxy)met...	7.916	93	511077	45.617	ng		100
29) 2,4-Dichlorophenol	8.028	162	351914	45.980	ng		98
30) 1,2,4-Trichlorobenzene	8.110	180	365443	43.151	ng		99
31) Naphthalene	8.193	128	1433262	51.466	ng		100
32) Benzoic acid	7.922	122	252244	43.040	ng		97
33) 4-Chloroaniline	8.240	127	56215	5.920	ng		98
34) Hexachlorobutadiene	8.310	225	231750	43.553	ng		99
35) Caprolactam	8.598	113	95747	39.344	ng		94
36) 4-Chloro-3-methylphenol	8.716	107	367844	43.404	ng		96
37) 2-Methylnaphthalene	8.887	142	831760	48.767	ng		99
38) 1-Methylnaphthalene	8.987	142	773515	46.225	ng		99
40) 1,2,4,5-Tetrachloroben...	9.051	216	358813	51.222	ng		99
41) Hexachlorocyclopentadiene	9.040	237	201420	82.637	ng		99
43) 2,4,6-Trichlorophenol	9.157	196	259089	52.241	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139970.D
Acq On : 23 Oct 2024 17:59
Operator : RC/JU
Sample : P4397-06MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 24 01:10:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	252046	49.258	ng		97
46) 1,1'-Biphenyl	9.351	154	904792	50.056	ng		99
47) 2-Chloronaphthalene	9.375	162	704968	48.424	ng		99
48) 2-Nitroaniline	9.463	65	234065	52.569	ng		96
49) Acenaphthylene	9.792	152	1069289	50.805	ng		100
50) Dimethylphthalate	9.645	163	840924	51.995	ng		100
51) 2,6-Dinitrotoluene	9.710	165	178345	50.929	ng		92
52) Acenaphthene	9.963	154	752606	55.277	ng		100
53) 3-Nitroaniline	9.875	138	71967	19.929	ng		94
54) 2,4-Dinitrophenol	9.981	184	127551	87.042	ng	#	1
55) Dibenzofuran	10.134	168	931769	47.698	ng		98
56) 4-Nitrophenol	10.028	139	248396	89.405	ng		97
57) 2,4-Dinitrotoluene	10.110	165	223785	51.967	ng		96
58) Fluorene	10.475	166	707194	47.531	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	195120	48.643	ng		95
60) Diethylphthalate	10.345	149	763940	48.108	ng		100
61) 4-Chlorophenyl-phenyle...	10.469	204	352123	46.864	ng		99
62) 4-Nitroaniline	10.486	138	142265	41.712	ng		96
63) Azobenzene	10.628	77	737131	43.786	ng		97
65) 4,6-Dinitro-2-methylph...	10.516	198	90649	56.329	ng		93
66) n-Nitrosodiphenylamine	10.586	169	631286	53.461	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	216597	53.291	ng		96
68) Hexachlorobenzene	11.022	284	226101	49.463	ng		99
69) Atrazine	11.110	200	161884	50.609	ng		98
70) Pentachlorophenol	11.216	266	281614	101.510	ng		99
71) Phenanthrene	11.439	178	974942	52.315	ng		99
72) Anthracene	11.492	178	953433	52.435	ng		100
73) Carbazole	11.645	167	815066	48.199	ng		99
74) Di-n-butylphthalate	11.975	149	1050412	53.764	ng		99
75) Fluoranthene	12.628	202	985425	52.306	ng		99
77) Benzidine	12.745	184	196024	37.302	ng		99
78) Pyrene	12.857	202	1030796	36.848	ng		100
80) Butylbenzylphthalate	13.475	149	443486	52.879	ng		98
81) Benzo(a)anthracene	14.045	228	1045118	50.237	ng		100
82) 3,3'-Dichlorobenzidine	14.004	252	237087	39.086	ng		99
83) Chrysene	14.080	228	966611	50.675	ng		99
84) Bis(2-ethylhexyl)phtha...	14.033	149	614398	65.295	ng	#	99
85) Di-n-octyl phthalate	14.645	149	1119671	65.421	ng		97
87) Indeno(1,2,3-cd)pyrene	17.027	276	705835	33.392	ng		99
88) Benzo(b)fluoranthene	15.098	252	1120485	55.982	ng		99
89) Benzo(k)fluoranthene	15.127	252	912998	52.892	ng		100
90) Benzo(a)pyrene	15.469	252	899666	54.628	ng		100
91) Dibenzo(a,h)anthracene	17.045	278	598921	33.965	ng		98
92) Benzo(g,h,i)perylene	17.474	276	501683	28.483	ng		98

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

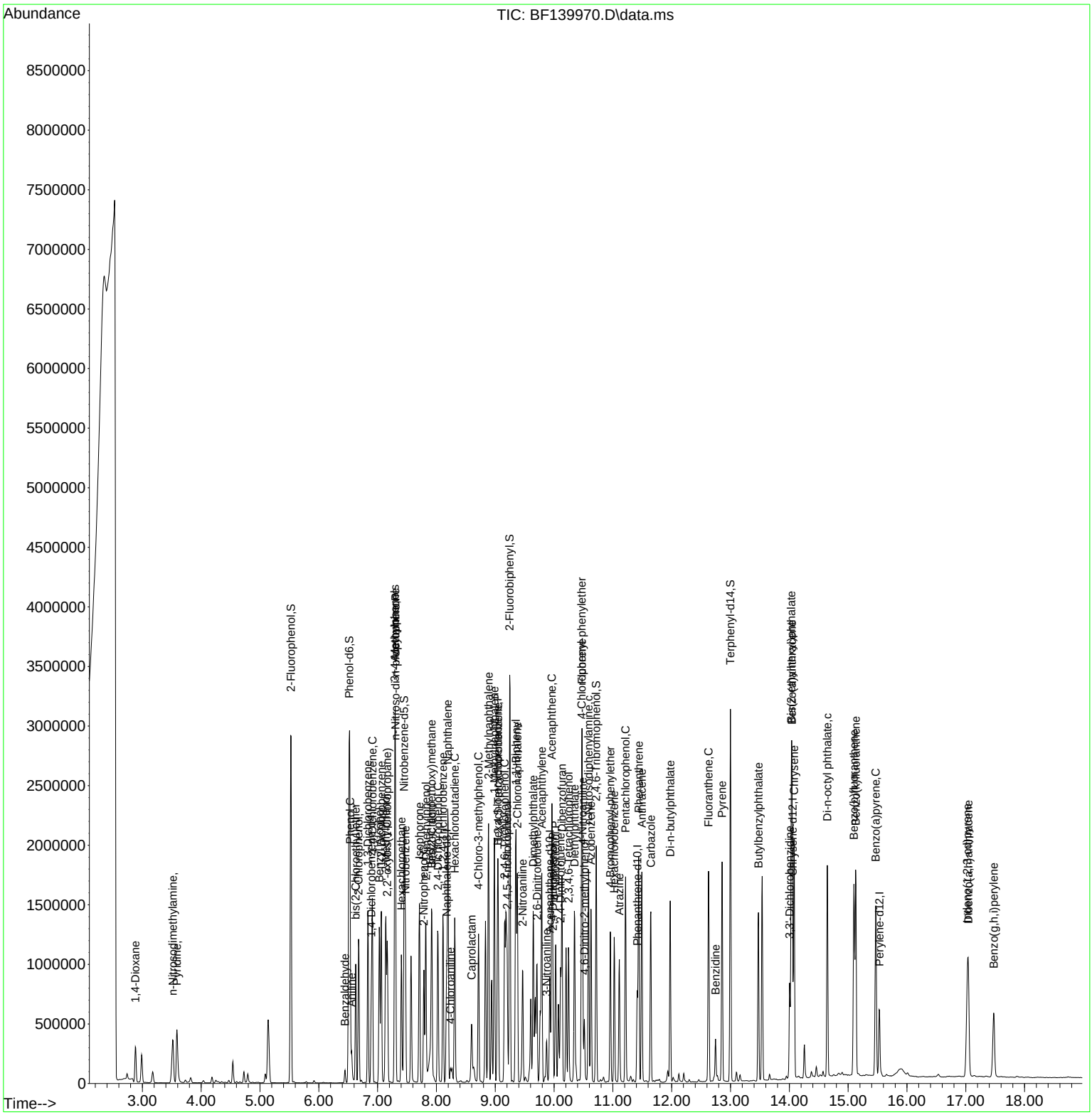
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139970.D
Acq On : 23 Oct 2024 17:59
Operator : RC/JU
Sample : P4397-06MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 24 01:10:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139971.D
Acq On : 23 Oct 2024 18:28
Operator : RC/JU
Sample : P4397-06MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 24 01:10:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.893	152	137496	20.000	ng		0.00
21) Naphthalene-d8	8.175	136	502859	20.000	ng		0.00
39) Acenaphthene-d10	9.928	164	242617	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	363131	20.000	ng		0.00
76) Chrysene-d12	14.057	240	305569	20.000	ng		0.00
86) Perylene-d12	15.533	264	311545	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.528	112	1225492	139.531	ng		0.03
7) Phenol-d6	6.516	99	1477382	129.876	ng		0.00
23) Nitrobenzene-d5	7.451	82	1009040	111.213	ng		0.00
42) 2,4,6-Tribromophenol	10.716	330	350375	154.393	ng		0.00
45) 2-Fluorobiphenyl	9.245	172	1650095	112.404	ng		0.00
79) Terphenyl-d14	12.998	244	1592275	84.910	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.899	88	170207	41.564	ng	#	80
3) Pyridine	3.599	79	310393	30.580	ng		95
4) n-Nitrosodimethylamine	3.528	42	236790	43.420	ng		95
6) Aniline	6.557	93	172832	16.302	ng		97
8) 2-Chlorophenol	6.675	128	451643	50.301	ng		99
9) Benzaldehyde	6.446	77	27050	4.227	ng		92
10) Phenol	6.534	94	520184m	44.356	ng		
11) bis(2-Chloroethyl)ether	6.628	93	437994	48.320	ng		99
12) 1,3-Dichlorobenzene	6.834	146	465766	45.190	ng		98
13) 1,4-Dichlorobenzene	6.910	146	466553	45.308	ng		99
14) 1,2-Dichlorobenzene	7.063	146	446998	46.512	ng		98
15) Benzyl Alcohol	7.028	79	408219	48.922	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	712316	46.086	ng		97
17) 2-Methylphenol	7.140	107	372657	48.674	ng		99
18) Hexachloroethane	7.404	117	163287	44.468	ng		96
19) n-Nitroso-di-n-propyla...	7.304	70	325882	47.235	ng		95
20) 3+4-Methylphenols	7.293	107	460612	47.035	ng	#	80
22) Acetophenone	7.298	105	607644	49.335	ng		99
24) Nitrobenzene	7.475	77	487597	49.017	ng		97
25) Isophorone	7.710	82	883102	51.282	ng		99
26) 2-Nitrophenol	7.787	139	221380	58.991	ng		97
27) 2,4-Dimethylphenol	7.816	122	376929	60.236	ng		99
28) bis(2-Chloroethoxy)met...	7.916	93	530666	50.862	ng		99
29) 2,4-Dichlorophenol	8.022	162	367175	51.515	ng		100
30) 1,2,4-Trichlorobenzene	8.110	180	375220	47.576	ng		99
31) Naphthalene	8.192	128	1475280	56.885	ng		100
32) Benzoic acid	7.922	122	258420	47.349	ng		97
33) 4-Chloroaniline	8.240	127	47003	5.315	ng		98
34) Hexachlorobutadiene	8.310	225	240622	48.558	ng		99
35) Caprolactam	8.598	113	97605	43.068	ng		94
36) 4-Chloro-3-methylphenol	8.716	107	379896	48.136	ng		97
37) 2-Methylnaphthalene	8.887	142	853619	53.743	ng		99
38) 1-Methylnaphthalene	8.987	142	797249	51.160	ng		99
40) 1,2,4,5-Tetrachloroben...	9.051	216	373726	57.097	ng		99
41) Hexachlorocyclopentadiene	9.039	237	214740	94.288	ng		99
43) 2,4,6-Trichlorophenol	9.157	196	265846	57.367	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139971.D
Acq On : 23 Oct 2024 18:28
Operator : RC/JU
Sample : P4397-06MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 24 01:10:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	256132	53.572	ng		99
46) 1,1'-Biphenyl	9.351	154	943666	55.872	ng		100
47) 2-Chloronaphthalene	9.375	162	726392	53.399	ng		99
48) 2-Nitroaniline	9.463	65	238771	57.391	ng		95
49) Acenaphthylene	9.792	152	1082454	55.041	ng		100
50) Dimethylphthalate	9.645	163	864443	57.202	ng		100
51) 2,6-Dinitrotoluene	9.710	165	181141	55.360	ng		94
52) Acenaphthene	9.963	154	777728	61.133	ng		99
53) 3-Nitroaniline	9.875	138	60382	17.895	ng		98
54) 2,4-Dinitrophenol	9.981	184	133653	96.818	ng	#	1
55) Dibenzofuran	10.134	168	952626	52.190	ng		98
56) 4-Nitrophenol	10.028	139	253848	97.783	ng		96
57) 2,4-Dinitrotoluene	10.110	165	228275	56.731	ng		95
58) Fluorene	10.475	166	716351	51.527	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	195676	52.207	ng		96
60) Diethylphthalate	10.345	149	795465	53.610	ng		100
61) 4-Chlorophenyl-phenyle...	10.469	204	360807	51.391	ng		98
62) 4-Nitroaniline	10.486	138	145450	45.640	ng		95
63) Azobenzene	10.628	77	743674	47.276	ng		97
65) 4,6-Dinitro-2-methylph...	10.516	198	94987	64.129	ng		91
66) n-Nitrosodiphenylamine	10.586	169	640036	58.890	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	218757	58.477	ng		97
68) Hexachlorobenzene	11.022	284	230847	54.868	ng		99
69) Atrazine	11.110	200	164318	55.813	ng		99
70) Pentachlorophenol	11.216	266	289137	113.234	ng		100
71) Phenanthrene	11.439	178	1006570	58.683	ng		99
72) Anthracene	11.492	178	966636	57.759	ng		100
73) Carbazole	11.639	167	834210	53.597	ng		99
74) Di-n-butylphthalate	11.975	149	1066617	59.315	ng		100
75) Fluoranthene	12.627	202	1023615	59.032	ng		100
77) Benzidine	12.745	184	154077	30.665	ng		99
78) Pyrene	12.857	202	1058288	39.566	ng		100
80) Butylbenzylphthalate	13.474	149	457311	57.029	ng		99
81) Benzo(a)anthracene	14.045	228	1075786	54.083	ng		100
82) 3,3'-Dichlorobenzidine	14.004	252	231729	39.955	ng		100
83) Chrysene	14.080	228	1005483	55.131	ng		100
84) Bis(2-ethylhexyl)phtha...	14.033	149	643508	71.526	ng		100
85) Di-n-octyl phthalate	14.645	149	1177689	71.968	ng		97
87) Indeno(1,2,3-cd)pyrene	17.027	276	729499	36.398	ng		99
88) Benzo(b)fluoranthene	15.098	252	1164759	61.374	ng		100
89) Benzo(k)fluoranthene	15.127	252	966378	59.044	ng		100
90) Benzo(a)pyrene	15.468	252	932048	59.687	ng		99
91) Dibenzo(a,h)anthracene	17.045	278	614593	36.758	ng		99
92) Benzo(g,h,i)perylene	17.474	276	516991	30.956	ng		99

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

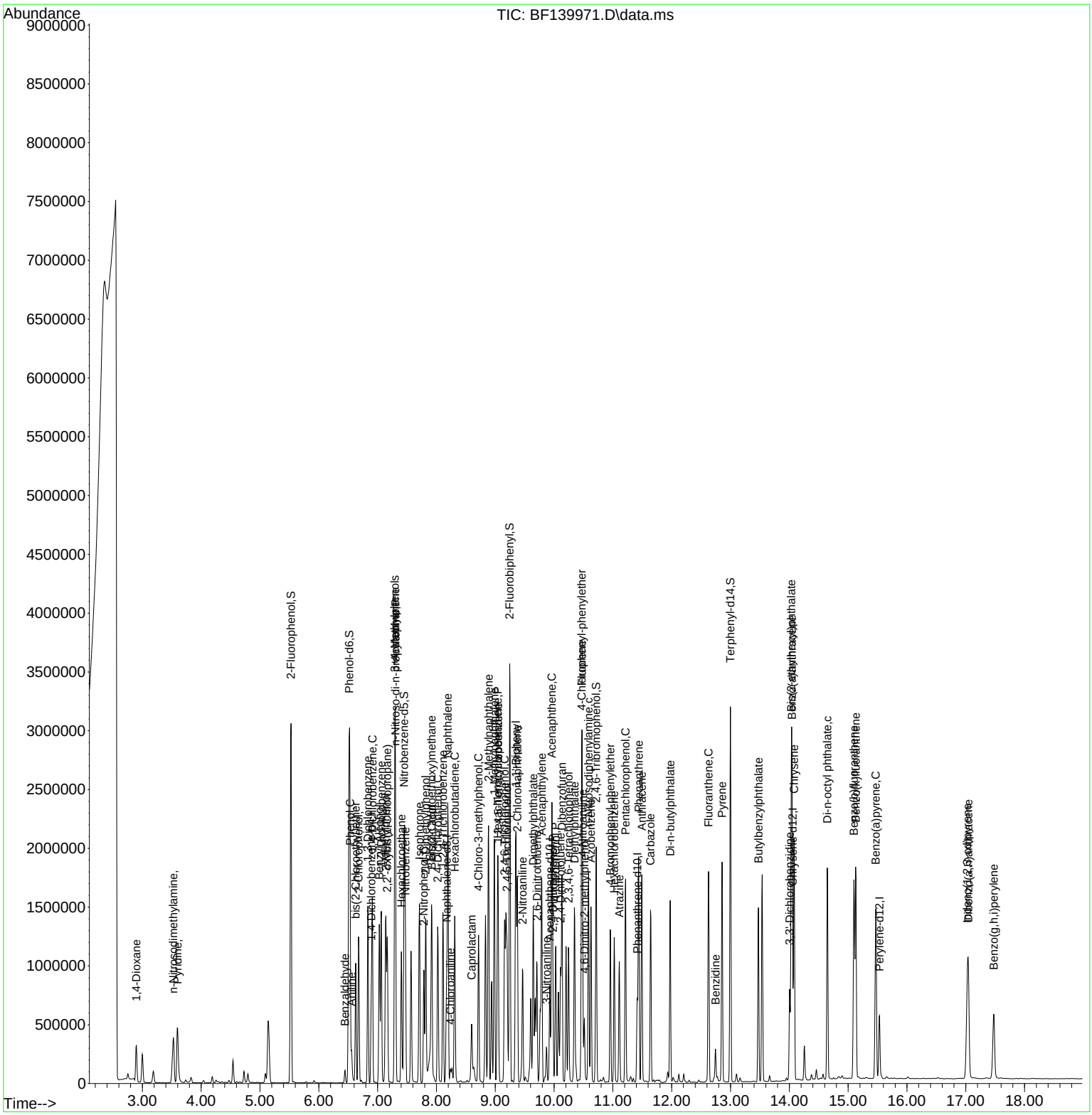
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
Data File : BF139971.D
Acq On : 23 Oct 2024 18:28
Operator : RC/JU
Sample : P4397-06MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 24 01:10:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WB-301-BOTMSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/24/2024
Supervised By :mohammad ahmed 10/25/2024



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

Manual Integration Report

Sequence:	BF101824	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICCC040	BF139848.D	Phenol	yogesh	10/21/2024 6:33:45 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software
SSTDICC050	BF139849.D	Phenol	yogesh	10/21/2024 6:33:46 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software
SSTDICC060	BF139850.D	Phenol	yogesh	10/21/2024 6:33:47 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software
SSTDICC080	BF139851.D	Aniline	yogesh	10/21/2024 6:33:49 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software
SSTDICV040	BF139852.D	Phenol	yogesh	10/21/2024 6:33:50 AM	mohammad	10/21/2024 6:38:35 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF102324	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF139952.D	Phenol	yogesh	10/24/2024 1:42:16 AM	mohammad	10/25/2024 1:58:50 AM	Peak Integrated by Software
SSTDCCC040	BF139965.D	Phenol	yogesh	10/24/2024 1:42:27 AM	mohammad	10/25/2024 1:58:50 AM	Peak Integrated by Software
P4397-06MS	BF139970.D	Phenol	Jagrut	10/24/2024 10:34:11 AM	mohammad	10/25/2024 1:58:50 AM	Peak Integrated by Software
P4397-06MSD	BF139971.D	Phenol	Jagrut	10/24/2024 10:34:14 AM	mohammad	10/25/2024 1:58:50 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF102424	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF139990.D	Phenol	yogesh	10/25/2024 6:26:47 AM	mohammad	10/25/2024 8:37:24 AM	Peak Integrated by Software
PB164315BS	BF139994.D	Caprolactam	yogesh	10/25/2024 6:26:55 AM	mohammad	10/25/2024 8:37:24 AM	Peak Integrated by Software
PB164315BS	BF139994.D	Phenol	yogesh	10/25/2024 6:26:55 AM	mohammad	10/25/2024 8:37:24 AM	Peak Integrated by Software
SSTDCCC040	BF140001.D	Phenol	yogesh	10/25/2024 6:27:19 AM	mohammad	10/25/2024 8:37:24 AM	Peak Integrated by Software

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF101824

Review By	yogesh	Review On	10/21/2024 6:34:01 AM				
Supervise By	mohammad	Supervise On	10/21/2024 6:38:35 AM				
SubDirectory	BF101824	HP Acquire Method	BNA_F		HP Processing Method	bf101824	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF139843.D	18 Oct 2024 09:22	RC/JU	Ok
2	SSTDICC2.5	BF139844.D	18 Oct 2024 10:27	RC/JU	Ok
3	SSTDICC005	BF139845.D	18 Oct 2024 10:55	RC/JU	Ok
4	SSTDICC010	BF139846.D	18 Oct 2024 11:23	RC/JU	Ok
5	SSTDICC020	BF139847.D	18 Oct 2024 11:52	RC/JU	Ok
6	SSTDICCC040	BF139848.D	18 Oct 2024 12:20	RC/JU	Ok,M
7	SSTDICC050	BF139849.D	18 Oct 2024 12:49	RC/JU	Ok,M
8	SSTDICC060	BF139850.D	18 Oct 2024 13:17	RC/JU	Ok,M
9	SSTDICC080	BF139851.D	18 Oct 2024 13:46	RC/JU	Ok,M
10	SSTDICV040	BF139852.D	18 Oct 2024 14:19	RC/JU	Ok,M
11	PB164211BL	BF139853.D	18 Oct 2024 14:48	RC/JU	Ok
12	P4405-01	BF139854.D	18 Oct 2024 15:21	RC/JU	Ok
13	P4431-01	BF139855.D	18 Oct 2024 15:50	RC/JU	Ok,M
14	P4421-01	BF139856.D	18 Oct 2024 16:18	RC/JU	Ok,M
15	P4422-01	BF139857.D	18 Oct 2024 16:46	RC/JU	Ok
16	P4425-01	BF139858.D	18 Oct 2024 17:15	RC/JU	Ok
17	P4425-03	BF139859.D	18 Oct 2024 17:44	RC/JU	Ok
18	P4425-05	BF139860.D	18 Oct 2024 18:12	RC/JU	Ok
19	P4425-07	BF139861.D	18 Oct 2024 18:41	RC/JU	ReRun
20	P4425-09	BF139862.D	18 Oct 2024 19:09	RC/JU	ReRun
21	P4426-03	BF139863.D	18 Oct 2024 19:37	RC/JU	ReRun

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF101824

Review By	yogesh	Review On	10/21/2024 6:34:01 AM		
Supervise By	mohammad	Supervise On	10/21/2024 6:38:35 AM		
SubDirectory	BF101824	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4426-07	BF139864.D	18 Oct 2024 20:05	RC/JU	ReRun
23	P4426-17	BF139865.D	18 Oct 2024 20:34	RC/JU	ReRun
24	P4426-11	BF139866.D	18 Oct 2024 21:02	RC/JU	ReRun

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102324

Review By	yogesh	Review On	10/24/2024 1:42:44 AM				
Supervise By	mohammad	Supervise On	10/25/2024 1:58:50 AM				
SubDirectory	BF102324	HP Acquire Method	BNA_F		HP Processing Method	bf101824	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF139951.D	23 Oct 2024 08:52	RC/JU	Ok
2	SSTDCCC040	BF139952.D	23 Oct 2024 09:20	RC/JU	Ok,M
3	PB164020BL	BF139953.D	23 Oct 2024 09:48	RC/JU	Ok
4	PB164020BS	BF139954.D	23 Oct 2024 10:17	RC/JU	Ok,M
5	PB164237BL	BF139955.D	23 Oct 2024 10:45	RC/JU	Ok
6	PB164237BS	BF139956.D	23 Oct 2024 11:14	RC/JU	Ok,M
7	PB164208BL	BF139957.D	23 Oct 2024 11:42	RC/JU	Ok
8	PB164216BS	BF139958.D	23 Oct 2024 12:10	RC/JU	Ok,M
9	PB164123BS	BF139959.D	23 Oct 2024 12:39	RC/JU	Ok,M
10	PB164154BS	BF139960.D	23 Oct 2024 13:07	RC/JU	Ok,M
11	PB164154BSD	BF139961.D	23 Oct 2024 13:36	RC/JU	Ok,M
12	PB164286BL	BF139962.D	23 Oct 2024 14:04	RC/JU	Ok
13	PB164286BS	BF139963.D	23 Oct 2024 14:33	RC/JU	Ok,M
14	DFTPP	BF139964.D	23 Oct 2024 15:01	RC/JU	Ok
15	SSTDCCC040	BF139965.D	23 Oct 2024 15:30	RC/JU	Ok,M
16	PB164195TB	BF139966.D	23 Oct 2024 15:58	RC/JU	Ok
17	P4397-06	BF139967.D	23 Oct 2024 16:32	RC/JU	Ok
18	P4443-06DL	BF139968.D	23 Oct 2024 17:01	RC/JU	Ok,M
19	P4458-01	BF139969.D	23 Oct 2024 17:30	RC/JU	Ok,M
20	P4397-06MS	BF139970.D	23 Oct 2024 17:59	RC/JU	Ok,M
21	P4397-06MSD	BF139971.D	23 Oct 2024 18:28	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102324

Review By	yogesh	Review On	10/24/2024 1:42:44 AM		
Supervise By	mohammad	Supervise On	10/25/2024 1:58:50 AM		
SubDirectory	BF102324	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4472-04	BF139972.D	23 Oct 2024 18:56	RC/JU	Ok
23	P4468-06	BF139973.D	23 Oct 2024 19:25	RC/JU	Ok
24	P4468-04	BF139974.D	23 Oct 2024 19:54	RC/JU	Ok
25	P4397-04	BF139975.D	23 Oct 2024 20:22	RC/JU	Ok
26	P4397-02	BF139976.D	23 Oct 2024 20:51	RC/JU	Ok
27	P4397-02MS	BF139977.D	23 Oct 2024 21:20	RC/JU	Ok,M
28	P4397-02MSD	BF139978.D	23 Oct 2024 21:49	RC/JU	Ok,M
29	P4397-01	BF139979.D	23 Oct 2024 22:17	RC/JU	Ok,M
30	P4468-05	BF139980.D	23 Oct 2024 22:46	RC/JU	Ok
31	P4472-01	BF139981.D	23 Oct 2024 23:14	RC/JU	Ok
32	P4385-20	BF139982.D	23 Oct 2024 23:43	RC/JU	Ok,M
33	P4385-14	BF139983.D	24 Oct 2024 00:11	RC/JU	Ok
34	P4474-01	BF139984.D	24 Oct 2024 00:40	RC/JU	Ok
35	P4473-01	BF139985.D	24 Oct 2024 01:08	RC/JU	Ok
36	P4489-01	BF139986.D	24 Oct 2024 01:37	RC/JU	Dilution
37	P4486-01	BF139987.D	24 Oct 2024 02:06	RC/JU	Ok,M
38	P4468-03	BF139988.D	24 Oct 2024 02:34	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102424

Review By	yogesh	Review On	10/25/2024 6:28:05 AM				
Supervise By	mohammad	Supervise On	10/25/2024 8:37:24 AM				
SubDirectory	BF102424	HP Acquire Method	BNA_F		HP Processing Method	bf101824	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12323,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF139989.D	24 Oct 2024 09:26	RC/JU	Ok
2	SSTDCCC040	BF139990.D	24 Oct 2024 09:55	RC/JU	Ok,M
3	PB164312BL	BF139991.D	24 Oct 2024 10:23	RC/JU	Ok
4	PB164312BS	BF139992.D	24 Oct 2024 10:52	RC/JU	Ok,M
5	PB164315BL	BF139993.D	24 Oct 2024 11:20	RC/JU	Ok
6	PB164315BS	BF139994.D	24 Oct 2024 11:49	RC/JU	Ok,M
7	PB164301TB	BF139995.D	24 Oct 2024 12:17	RC/JU	Ok
8	PB163997BS	BF139996.D	24 Oct 2024 12:53	RC/JU	Ok,M
9	PB164208BS	BF139997.D	24 Oct 2024 13:21	RC/JU	Ok,M
10	PB164338BL	BF139998.D	24 Oct 2024 13:50	RC/JU	Ok
11	PB164338BS	BF139999.D	24 Oct 2024 14:19	RC/JU	Ok,M
12	DFTPP	BF140000.D	24 Oct 2024 14:47	RC/JU	Ok
13	SSTDCCC040	BF140001.D	24 Oct 2024 15:16	RC/JU	Ok,M
14	PB164261TB	BF140002.D	24 Oct 2024 15:44	RC/JU	Ok
15	P4489-01DL	BF140003.D	24 Oct 2024 16:19	RC/JU	Ok
16	P4467-01MS	BF140004.D	24 Oct 2024 16:48	RC/JU	Ok,M
17	P4467-01MSD	BF140005.D	24 Oct 2024 17:17	RC/JU	Ok,M
18	P4460-03MS	BF140006.D	24 Oct 2024 17:45	RC/JU	Ok,M
19	P4460-03MSD	BF140007.D	24 Oct 2024 18:14	RC/JU	Ok,M
20	P4467-04	BF140008.D	24 Oct 2024 18:42	RC/JU	Ok
21	P4472-08	BF140009.D	24 Oct 2024 19:11	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102424

Review By	yogesh	Review On	10/25/2024 6:28:05 AM		
Supervise By	mohammad	Supervise On	10/25/2024 8:37:24 AM		
SubDirectory	BF102424	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12323,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4460-03	BF140010.D	24 Oct 2024 19:39	RC/JU	ReRun
23	P4471-01	BF140011.D	24 Oct 2024 20:08	RC/JU	Ok
24	P4471-02	BF140012.D	24 Oct 2024 20:36	RC/JU	ReRun
25	P4467-01	BF140013.D	24 Oct 2024 21:04	RC/JU	ReRun
26	P4460-04	BF140014.D	24 Oct 2024 21:33	RC/JU	ReRun
27	P4468-01	BF140015.D	24 Oct 2024 22:01	RC/JU	ReRun
28	P4485-01	BF140016.D	24 Oct 2024 22:29	RC/JU	ReRun
29	P4487-01	BF140017.D	24 Oct 2024 22:58	RC/JU	ReRun
30	P4487-05	BF140018.D	24 Oct 2024 23:26	RC/JU	Ok
31	P4487-05MS	BF140019.D	24 Oct 2024 23:54	RC/JU	Ok,M
32	P4487-05MSD	BF140020.D	25 Oct 2024 00:22	RC/JU	Ok,M
33	P4485-02	BF140021.D	25 Oct 2024 00:50	RC/JU	ReRun
34	P4512-03	BF140022.D	25 Oct 2024 01:19	RC/JU	ReRun
35	P4470-01	BF140023.D	25 Oct 2024 01:46	RC/JU	Not Ok
36	P4472-05	BF140024.D	25 Oct 2024 02:14	RC/JU	ReRun

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF101824

Review By	yogesh	Review On	10/21/2024 6:34:01 AM				
Supervise By	mohammad	Supervise On	10/21/2024 6:38:35 AM				
SubDirectory	BF101824	HP Acquire Method	BNA_F	HP Processing Method	bf101824		

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/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	BF139843.D	18 Oct 2024 09:22		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF139844.D	18 Oct 2024 10:27		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF139845.D	18 Oct 2024 10:55	Compound #9,32,54,65,85 removed from 5 ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF139846.D	18 Oct 2024 11:23		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF139847.D	18 Oct 2024 11:52	Compound #54 Kept on LR	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF139848.D	18 Oct 2024 12:20	The Calibration is Good For 8270 DOD Except com#77 and good for 625.1 Method	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF139849.D	18 Oct 2024 12:49	Com#77(Benzidine) Failed in the calibration for both DOD and NON-DOD	RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF139850.D	18 Oct 2024 13:17		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BF139851.D	18 Oct 2024 13:46		RC/JU	Ok,M
10	SSTDICV040	SSTDICV040	BF139852.D	18 Oct 2024 14:19		RC/JU	Ok,M
11	PB164211BL	PB164211BL	BF139853.D	18 Oct 2024 14:48		RC/JU	Ok
12	P4405-01	MH-121	BF139854.D	18 Oct 2024 15:21		RC/JU	Ok
13	P4431-01	72-11934	BF139855.D	18 Oct 2024 15:50		RC/JU	Ok,M
14	P4421-01	EO-02-101624	BF139856.D	18 Oct 2024 16:18		RC/JU	Ok,M
15	P4422-01	EO-01-101624	BF139857.D	18 Oct 2024 16:46		RC/JU	Ok
16	P4425-01	TP-1	BF139858.D	18 Oct 2024 17:15		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF101824

Review By	yogesh	Review On	10/21/2024 6:34:01 AM		
Supervise By	mohammad	Supervise On	10/21/2024 6:38:35 AM		
SubDirectory	BF101824	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	P4425-03	TP-2	BF139859.D	18 Oct 2024 17:44		RC/JU	Ok
18	P4425-05	TP-3	BF139860.D	18 Oct 2024 18:12		RC/JU	Ok
19	P4425-07	TP-4	BF139861.D	18 Oct 2024 18:41	Internal Standrad Fail	RC/JU	ReRun
20	P4425-09	TP-5	BF139862.D	18 Oct 2024 19:09	Internal Standrad Fail	RC/JU	ReRun
21	P4426-03	PAD-2	BF139863.D	18 Oct 2024 19:37	Internal Standrad Fail	RC/JU	ReRun
22	P4426-07	PAD-4	BF139864.D	18 Oct 2024 20:05	Internal Standrad Fail	RC/JU	ReRun
23	P4426-17	PAD-9	BF139865.D	18 Oct 2024 20:34	Internal Standard Fail	RC/JU	ReRun
24	P4426-11	PAD-6	BF139866.D	18 Oct 2024 21:02	Internal Standard Fail	RC/JU	ReRun

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102324

Review By	yogesh	Review On	10/24/2024 1:42:44 AM		
Supervise By	mohammad	Supervise On	10/25/2024 1:58:50 AM		
SubDirectory	BF102324	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/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	BF139951.D	23 Oct 2024 08:52		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF139952.D	23 Oct 2024 09:20		RC/JU	Ok,M
3	PB164020BL	PB164020BL	BF139953.D	23 Oct 2024 09:48		RC/JU	Ok
4	PB164020BS	PB164020BS	BF139954.D	23 Oct 2024 10:17		RC/JU	Ok,M
5	PB164237BL	PB164237BL	BF139955.D	23 Oct 2024 10:45		RC/JU	Ok
6	PB164237BS	PB164237BS	BF139956.D	23 Oct 2024 11:14		RC/JU	Ok,M
7	PB164208BL	PB164208BL	BF139957.D	23 Oct 2024 11:42		RC/JU	Ok
8	PB164216BS	PB164216BS	BF139958.D	23 Oct 2024 12:10		RC/JU	Ok,M
9	PB164123BS	PB164123BS	BF139959.D	23 Oct 2024 12:39		RC/JU	Ok,M
10	PB164154BS	PB164154BS	BF139960.D	23 Oct 2024 13:07		RC/JU	Ok,M
11	PB164154BSD	PB164154BSD	BF139961.D	23 Oct 2024 13:36		RC/JU	Ok,M
12	PB164286BL	PB164286BL	BF139962.D	23 Oct 2024 14:04		RC/JU	Ok
13	PB164286BS	PB164286BS	BF139963.D	23 Oct 2024 14:33		RC/JU	Ok,M
14	DFTPP	DFTPP	BF139964.D	23 Oct 2024 15:01		RC/JU	Ok
15	SSTDCCC040	SSTDCCC040	BF139965.D	23 Oct 2024 15:30		RC/JU	Ok,M
16	PB164195TB	PB164195TB	BF139966.D	23 Oct 2024 15:58		RC/JU	Ok
17	P4397-06	WB-301-BOT	BF139967.D	23 Oct 2024 16:32		RC/JU	Ok
18	P4443-06DL	OG-315-HR-502-COMP	BF139968.D	23 Oct 2024 17:01		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102324

Review By	yogesh	Review On	10/24/2024 1:42:44 AM		
Supervise By	mohammad	Supervise On	10/25/2024 1:58:50 AM		
SubDirectory	BF102324	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4458-01	280517	BF139969.D	23 Oct 2024 17:30		RC/JU	Ok,M
20	P4397-06MS	WB-301-BOTMS	BF139970.D	23 Oct 2024 17:59		RC/JU	Ok,M
21	P4397-06MSD	WB-301-BOTMSD	BF139971.D	23 Oct 2024 18:28		RC/JU	Ok,M
22	P4472-04	BP-F-28	BF139972.D	23 Oct 2024 18:56		RC/JU	Ok
23	P4468-06	ETGI-345	BF139973.D	23 Oct 2024 19:25		RC/JU	Ok
24	P4468-04	ETGI-329	BF139974.D	23 Oct 2024 19:54		RC/JU	Ok
25	P4397-04	WB-301-SW	BF139975.D	23 Oct 2024 20:22		RC/JU	Ok
26	P4397-02	WB-301-BOT	BF139976.D	23 Oct 2024 20:51		RC/JU	Ok
27	P4397-02MS	WB-301-BOTMS	BF139977.D	23 Oct 2024 21:20		RC/JU	Ok,M
28	P4397-02MSD	WB-301-BOTMSD	BF139978.D	23 Oct 2024 21:49		RC/JU	Ok,M
29	P4397-01	WB-301-TOP	BF139979.D	23 Oct 2024 22:17		RC/JU	Ok,M
30	P4468-05	ETGI-345	BF139980.D	23 Oct 2024 22:46		RC/JU	Ok
31	P4472-01	BP-F-28	BF139981.D	23 Oct 2024 23:14		RC/JU	Ok
32	P4385-20	SP-10	BF139982.D	23 Oct 2024 23:43		RC/JU	Ok,M
33	P4385-14	SP-7	BF139983.D	24 Oct 2024 00:11		RC/JU	Ok
34	P4474-01	TS-2	BF139984.D	24 Oct 2024 00:40		RC/JU	Ok
35	P4473-01	TS-1	BF139985.D	24 Oct 2024 01:08		RC/JU	Ok
36	P4489-01	RT-2675	BF139986.D	24 Oct 2024 01:37	Internal Standard Failed, Need 5X Dilution	RC/JU	Dilution
37	P4486-01	EO-03-102224	BF139987.D	24 Oct 2024 02:06		RC/JU	Ok,M

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 # BF102324

Review By	yogesh	Review On	10/24/2024 1:42:44 AM		
Supervise By	mohammad	Supervise On	10/25/2024 1:58:50 AM		
SubDirectory	BF102324	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12322,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	P4468-03	ETGI-329	BF139988.D	24 Oct 2024 02:34		RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102424

Review By	yogesh	Review On	10/25/2024 6:28:05 AM		
Supervise By	mohammad	Supervise On	10/25/2024 8:37:24 AM		
SubDirectory	BF102424	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12323,10ul/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	BF139989.D	24 Oct 2024 09:26		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF139990.D	24 Oct 2024 09:55		RC/JU	Ok,M
3	PB164312BL	PB164312BL	BF139991.D	24 Oct 2024 10:23		RC/JU	Ok
4	PB164312BS	PB164312BS	BF139992.D	24 Oct 2024 10:52		RC/JU	Ok,M
5	PB164315BL	PB164315BL	BF139993.D	24 Oct 2024 11:20		RC/JU	Ok
6	PB164315BS	PB164315BS	BF139994.D	24 Oct 2024 11:49		RC/JU	Ok,M
7	PB164301TB	PB164301TB	BF139995.D	24 Oct 2024 12:17		RC/JU	Ok
8	PB163997BS	PB163997BS	BF139996.D	24 Oct 2024 12:53		RC/JU	Ok,M
9	PB164208BS	PB164208BS	BF139997.D	24 Oct 2024 13:21		RC/JU	Ok,M
10	PB164338BL	PB164338BL	BF139998.D	24 Oct 2024 13:50		RC/JU	Ok
11	PB164338BS	PB164338BS	BF139999.D	24 Oct 2024 14:19		RC/JU	Ok,M
12	DFTPP	DFTPP	BF140000.D	24 Oct 2024 14:47		RC/JU	Ok
13	SSTDCCC040	SSTDCCC040	BF140001.D	24 Oct 2024 15:16		RC/JU	Ok,M
14	PB164261TB	PB164261TB	BF140002.D	24 Oct 2024 15:44		RC/JU	Ok
15	P4489-01DL	RT-2675DL	BF140003.D	24 Oct 2024 16:19	Internal Standard Fail	RC/JU	Ok
16	P4467-01MS	TP-1MS	BF140004.D	24 Oct 2024 16:48		RC/JU	Ok,M
17	P4467-01MSD	TP-1MSD	BF140005.D	24 Oct 2024 17:17		RC/JU	Ok,M
18	P4460-03MS	WB-303-BOTMS	BF140006.D	24 Oct 2024 17:45		RC/JU	Ok,M

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF102424

Review By	yogesh	Review On	10/25/2024 6:28:05 AM		
Supervise By	mohammad	Supervise On	10/25/2024 8:37:24 AM		
SubDirectory	BF102424	HP Acquire Method	BNA_F	HP Processing Method	bf101824

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12323,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4460-03MSD	WB-303-BOTMSD	BF140007.D	24 Oct 2024 18:14		RC/JU	Ok,M
20	P4467-04	TP-1	BF140008.D	24 Oct 2024 18:42		RC/JU	Ok
21	P4472-08	BP-F-6	BF140009.D	24 Oct 2024 19:11		RC/JU	Ok
22	P4460-03	WB-303-BOT	BF140010.D	24 Oct 2024 19:39	Internal Standrad Fail	RC/JU	ReRun
23	P4471-01	B-180-SB01	BF140011.D	24 Oct 2024 20:08		RC/JU	Ok
24	P4471-02	B-180-SB02	BF140012.D	24 Oct 2024 20:36	Internal Standrad Fail	RC/JU	ReRun
25	P4467-01	TP-1	BF140013.D	24 Oct 2024 21:04	Internal Standrad Fail	RC/JU	ReRun
26	P4460-04	WB-303-BOT	BF140014.D	24 Oct 2024 21:33	Internal Standrad Fail	RC/JU	ReRun
27	P4468-01	ETGI-331	BF140015.D	24 Oct 2024 22:01	Internal Standrad Fail	RC/JU	ReRun
28	P4485-01	D20241001-01-04	BF140016.D	24 Oct 2024 22:29	Internal Standrad Fail	RC/JU	ReRun
29	P4487-01	BP-B5	BF140017.D	24 Oct 2024 22:58	Internal Standrad Fail	RC/JU	ReRun
30	P4487-05	BP-F27	BF140018.D	24 Oct 2024 23:26	Internal Standrad Fail	RC/JU	Ok
31	P4487-05MS	BP-F27MS	BF140019.D	24 Oct 2024 23:54	Internal Standrad Fail	RC/JU	Ok,M
32	P4487-05MSD	BP-F27MSD	BF140020.D	25 Oct 2024 00:22	Internal Standrad Fail	RC/JU	Ok,M
33	P4485-02	D20241001-01-04	BF140021.D	25 Oct 2024 00:50	Internal Standrad Fail	RC/JU	ReRun
34	P4512-03	VNJ-212	BF140022.D	25 Oct 2024 01:19	Internal Standrad Fail	RC/JU	ReRun
35	P4470-01	CL-01-102124	BF140023.D	25 Oct 2024 01:46	Need Straight Run	RC/JU	Not Ok
36	P4472-05	BP-F-6	BF140024.D	25 Oct 2024 02:14	Internal Standrad Fail	RC/JU	ReRun

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB164261

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-4

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1

TCLP Filter ID : 114771

Start Prep Date : 10/18/2024 **Time :** 17:00

End Prep Date : 10/19/2024 **Time :** 10:15

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : 12

Standared Name	MLS USED	STD REF. # FROM LOG
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

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP108622
HCL-TCLP,1N	N/A	WP108584
HNO3-TCLP,1N	N/A	WP108585
pH Strips	N/A	W1931,W1934,W2350,W2755
pH Strips	N/A	N/A
1 Liter Amber	N/A	23091
120ml Plastic bottle	N/A	21029
1:1 HNO3	MP81119	N/A

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. Tumbler T-1 CHECKED,30 RPM. Particle size reduction is not required. p4460-04 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/21/24 0810	JP TCLP Room	JPP EXT
	Preparation Group	Analysis Group VOA pick

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB164261

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4397-06	WB-301-BOT	01	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4443-05	OG-315-HR-502-COMP-29	02	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-1
P4443-10	OG-315-HR-502-COMP-30	03	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
P4458-02	280517	04	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
P4460-04	WB-303-BOT	05	100.03	2000	N/A	N/A	N/A	6.0	1.5	T-1
PB164261TB	LEB261	06	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P4397-06	WB-301-BOT	N/A	N/A	N/A	N/A	100	N/A
P4443-05	OG-315-HR-502-COMP-29	N/A	N/A	N/A	N/A	100	N/A
P4443-10	OG-315-HR-502-COMP-30	N/A	N/A	N/A	N/A	100	N/A
P4458-02	280517	N/A	N/A	N/A	N/A	100	N/A
P4460-04	WB-303-BOT	N/A	N/A	N/A	N/A	100	N/A
PB164261TB	LEB261	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB164261

Hot Block ID : WC S-1 /WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
P4397-06	WB-301-BOT	5.02	96.5	7.4	2.5	#1	4.93
P4443-05	OG-315-HR-502-COMP-29	5.03	96.5	7.6	2.5	#1	4.93
P4443-10	OG-315-HR-502-COMP-30	5.02	96.5	6.0	2.0	#1	4.93
P4458-02	280517	5.01	96.5	7.6	2.5	#1	4.93
P4460-04	WB-303-BOT	5.02	96.5	8.4	3.0	#1	4.93
PB164261TB	LEB261	N/A	N/A	N/A	N/A	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP P4397 **WorkList ID :** 184595 **Department :** TCLP Extraction **Date :** 10-18-2024 14:05:11

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4397-06	WB-301-BOT	Solid	TCLP Extraction	Cool 4 deg C	PORT06		10/10/2024	1311
P4443-05	OG-315-HR-502-COMP-29	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/17/2024	1311
P4443-10	OG-315-HR-502-COMP-30	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/17/2024	1311
P4458-02	280517	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K51	10/18/2024	1311
P4460-04	WB-303-BOT	Solid	TCLP Extraction	Cool 4 deg C	PORT06	K51	10/18/2024	1311

Date/Time 10.18.24 16:20

Raw Sample Received by: JQ WPC

Raw Sample Relinquished by: CP SR

Date/Time 10.18.24 18:30

Raw Sample Received by: CP SR

Raw Sample Relinquished by: JQ WPC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB164315

SOP ID:	M3510C,3580A-Extraction SVOC-20				
Clean Up SOP #:	N/A			**Extraction Start Date :**	10/22/2024
Matrix :	Water			**Extraction Start Time :**	10:30
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	10/22/2024
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	15:25
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3574	**Hood ID:**	4,5,6,7	**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
Methylene Chloride	N/A	E3817
Baked Na2SO4	N/A	EP2551
10N NaoH	N/A	EP2550
H2SO4 1:1	N/A	EP2548
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. pH Adjusted<2 with 1:1 H2SO4 & >11 with 10 N NaOH.

KD Bath ID:	Water bath -01,02	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/22/24	RP (Ext. Lab)	AC/SVOC
15:30	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB164315

Analytical Method: M3510C,3580A-Extraction SVOC-20 **Concentration Date:** 10/22/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164261TB	PB164261TB	TCLP BNA	100	6	RUPESH	ritesh	1			SEP-1
PB164301TB	PB164301TB	TCLP BNA	100	6	RUPESH	ritesh	1			2
PB164315BL	PB164315BL	TCLP BNA	1000	6	RUPESH	ritesh	1			3
PB164315BS	PB164315BS	TCLP BNA	1000	6	RUPESH	ritesh	1			4
P4397-06	WB-301-BOT	TCLP BNA	100	6	RUPESH	ritesh	1	A		5
P4397-06MS	WB-301-BOTMS	TCLP BNA	100	6	RUPESH	ritesh	1	A		6
P4397-06MSD	WB-301-BOTMSD	TCLP BNA	100	6	RUPESH	ritesh	1	A		7
P4443-05	OG-315-HR-502-COMP-29	TCLP BNA	100	6	RUPESH	ritesh	1	A		8
P4443-10	OG-315-HR-502-COMP-30	TCLP BNA	100	6	RUPESH	ritesh	1	A		9
P4458-02	280517	TCLP BNA	100	6	RUPESH	ritesh	1	A		10
P4460-04	WB-303-BOT	TCLP BNA	100	6	RUPESH	ritesh	1	A		11
P4467-04	TP-1	TCLP BNA	100	6	RUPESH	ritesh	1	A		12
P4468-04	ETGI-329	TCLP BNA	100	6	RUPESH	ritesh	1	A		13
P4468-06	ETGI-345	TCLP BNA	100	6	RUPESH	ritesh	1	A		14
P4472-04	BP-F-28	TCLP BNA	100	6	RUPESH	ritesh	1	A		15
P4472-08	BP-F-6	TCLP BNA	100	6	RUPESH	ritesh	1	A		16

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

10/22/24

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB164261

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep P
P4397-06	WB-301-BOT	01	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-
P4443-05	OG-315-HR-502-COMP-29	02	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-
P4443-10	OG-315-HR-502-COMP-30	03	100.03	2000	N/A	N/A	N/A	4.5	1.5	T-1
P4458-02	280517	04	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
P4460-04	WB-303-BOT	05	100.03	2000	N/A	N/A	N/A	6.0	1.5	T-1
PB164261TB	LEB261	06	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1

10/21/2024

08:00

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB164301

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Pr... Pc...
P4467-04	TP-1	01	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-1
P4468-02	ETGI-331	02	100.03	2000	N/A	N/A	N/A	10.5	1.0	T-1
P4468-04	ETGI-329	03	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-1
P4468-06	ETGI-345	04	100.01	2000	N/A	N/A	N/A	5.6	1.0	T-1
P4472-04	BP-F-28	05	100.03	2000	N/A	N/A	N/A	7.0	1.0	T-1
P4472-08	BP-F-6	06	100.04	2000	N/A	N/A	N/A	6.2	1.5	T-1
PB164301TB	LEB301	07	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1

10/22/2024
20:00

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

LAB CHRONICLE

OrderID:	P4397	**OrderDate:**	10/11/2024 3:19:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	**Location:**	K32,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4397-01	**WB-301-TOP**	**SOIL**			**10/10/24**			**10/11/24**
			SVOC-TCL BNA -20	8270E		10/14/24	10/23/24	
P4397-02	**WB-301-BOT**	**SOIL**			**10/10/24**			**10/11/24**
			SVOC-TCL BNA -20	8270E		10/14/24	10/23/24	
P4397-04	**WB-301-SW**	**Water**			**10/10/24**			**10/11/24**
			SVOC-TCL BNA -20	8270E		10/15/24	10/23/24	
P4397-06	**WB-301-BOT**	**TCLP**			**10/10/24**			**10/11/24**
			TCLP BNA	8270E		10/22/24	10/23/24	