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

Hit Summary Sheet
SW-846

SDG No.: P4892

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: **BF140612.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:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-BOT	SDG No.:	P4892
Lab Sample ID:	P4892-03	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
BF140612.D	1	11/20/24 11:30	11/25/24 19:26	PB165144

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	120		15 (10) - 110 (134)	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.7		30 (49) - 130 (133)	97%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.8		30 (52) - 130 (132)	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	149		15 (44) - 110 (137)	100%	SPK: 150
1718-51-0	Terphenyl-d14	93.3		30 (48) - 130 (125)	93%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	64200	6.869			
1146-65-2	Naphthalene-d8	241000	8.151			
15067-26-2	Acenaphthene-d10	131000	9.904			
1517-22-2	Phenanthrene-d10	245000	11.392			
1719-03-5	Chrysene-d12	173000	14.045			
1520-96-3	Perylene-d12	147000	15.539			

Raw Data: **BF140612.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-BOT	SDG No.:	P4892
Lab Sample ID:	P4892-03	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
BF140612.D	1	11/20/24 11:30	11/25/24 19:26	PB165144

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: **BF140540.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/20/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/20/24
Client Sample ID:	PB165060TB	SDG No.:	P4892
Lab Sample ID:	PB165060TB	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140540.D	1	11/20/24 11:30	11/21/24 17:20	PB165144

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	138		15 (10) - 110 (139)	92%	SPK: 150
13127-88-3	Phenol-d6	135		15 (10) - 110 (134)	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	95.0		30 (49) - 130 (133)	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.0		30 (52) - 130 (132)	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	130		15 (44) - 110 (137)	86%	SPK: 150
1718-51-0	Terphenyl-d14	99.4		30 (48) - 130 (125)	99%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	89800	6.869			
1146-65-2	Naphthalene-d8	337000	8.151			
15067-26-2	Acenaphthene-d10	192000	9.91			
1517-22-2	Phenanthrene-d10	363000	11.398			
1719-03-5	Chrysene-d12	206000	14.045			
1520-96-3	Perylene-d12	164000	15.539			

Raw Data: **BF140540.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/20/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/20/24
Client Sample ID:	PB165060TB	SDG No.:	P4892
Lab Sample ID:	PB165060TB	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140540.D	1	11/20/24 11:30	11/21/24 17:20	PB165144

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.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4892-03	WB-310-BOT	2-Fluorophenol	150	134	89		15 (10)	110 (139)
		Phenol-d6	150	120	80		15 (10)	110 (134)
		Nitrobenzene-d5	100	96.7	97		30 (49)	130 (133)
		2-Fluorobiphenyl	100	94.8	95		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	149	100		15 (44)	110 (137)
		Terphenyl-d14	100	93.3	93		30 (48)	130 (125)
P4892-03MS	WB-310-BOTMS	2-Fluorophenol	150	132	88		15 (10)	110 (139)
		Phenol-d6	150	120	80		15 (10)	110 (134)
		Nitrobenzene-d5	100	99.5	100		30 (49)	130 (133)
		2-Fluorobiphenyl	100	96.8	97		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	159	106		15 (44)	110 (137)
		Terphenyl-d14	100	104	104		30 (48)	130 (125)
P4892-03MSD	WB-310-BOTMSD	2-Fluorophenol	150	122	81		15 (10)	110 (139)
		Phenol-d6	150	111	74		15 (10)	110 (134)
		Nitrobenzene-d5	100	90.2	90		30 (49)	130 (133)
		2-Fluorobiphenyl	100	89.0	89		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	144	96		15 (44)	110 (137)
		Terphenyl-d14	100	98.2	98		30 (48)	130 (125)
PB165060TB	PB165060TB	2-Fluorophenol	150	138	92		15 (10)	110 (139)
		Phenol-d6	150	135	90		15 (10)	110 (134)
		Nitrobenzene-d5	100	95.0	95		30 (49)	130 (133)
		2-Fluorobiphenyl	100	94.0	94		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	130	86		15 (44)	110 (137)
		Terphenyl-d14	100	99.4	99		30 (48)	130 (125)
PB165144BL	PB165144BL	2-Fluorophenol	150	139	93		15 (10)	110 (139)
		Phenol-d6	150	135	90		15 (10)	110 (134)
		Nitrobenzene-d5	100	95.9	96		30 (49)	130 (133)
		2-Fluorobiphenyl	100	95.1	95		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	133	89		15 (44)	110 (137)
		Terphenyl-d14	100	98.5	98		30 (48)	130 (125)
PB165144BS	PB165144BS	2-Fluorophenol	150	137	92		15 (10)	110 (139)
		Phenol-d6	150	135	90		15 (10)	110 (134)
		Nitrobenzene-d5	100	92.9	93		30 (49)	130 (133)
		2-Fluorobiphenyl	100	91.7	92		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	140	93		15 (44)	110 (137)
		Terphenyl-d14	100	91.8	92		30 (48)	130 (125)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4892

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: P4892-03MS		**Client Sample ID: WB-310-BOTMS**						**DataFile: BF140613.D**			
Pyridine	500	0	400	ug/L	80				20 (10)	160 (109)	
1,4-Dichlorobenzene	500	0	320	ug/L	64	*			70 (55)	130 (125)	
2-Methylphenol	500	0	470	ug/L	94				70 (37)	130 (126)	
3+4-Methylphenols	500	0	470	ug/L	94				20 (31)	160 (127)	
Hexachloroethane	500	0	300	ug/L	60				20 (49)	160 (110)	
Nitrobenzene	500	0	440	ug/L	88				70 (62)	130 (112)	
Hexachlorobutadiene	500	0	380	ug/L	76				70 (52)	130 (125)	
2,4,6-Trichlorophenol	500	0	520	ug/L	104				70 (78)	130 (112)	
2,4,5-Trichlorophenol	500	0	520	ug/L	104				70 (71)	130 (111)	
2,4-Dinitrotoluene	500	0	540	ug/L	108				70 (50)	130 (142)	
Hexachlorobenzene	500	0	510	ug/L	102				70 (72)	130 (115)	
Pentachlorophenol	1000	0	1200	ug/L	120				20 (25)	160 (139)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4892

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: P4892-03MSD		**Client Sample ID: WB-310-BOTMSD**						**DataFile: BF140614.D**			
Pyridine	500	0	370	ug/L	74		8		20 (10)	160 (109)	20 (20)
1,4-Dichlorobenzene	500	0	290	ug/L	58	*	10		70 (55)	130 (125)	20 (20)
2-Methylphenol	500	0	430	ug/L	86		9		70 (37)	130 (126)	20 (20)
3+4-Methylphenols	500	0	440	ug/L	88		7		20 (31)	160 (127)	20 (20)
Hexachloroethane	500	0	280	ug/L	56		7		20 (49)	160 (110)	20 (20)
Nitrobenzene	500	0	400	ug/L	80		10		70 (62)	130 (112)	20 (20)
Hexachlorobutadiene	500	0	350	ug/L	70		8		70 (52)	130 (125)	20 (20)
2,4,6-Trichlorophenol	500	0	480	ug/L	96		8		70 (78)	130 (112)	20 (20)
2,4,5-Trichlorophenol	500	0	480	ug/L	96		8		70 (71)	130 (111)	20 (20)
2,4-Dinitrotoluene	500	0	500	ug/L	100		8		70 (50)	130 (142)	20 (20)
Hexachlorobenzene	500	0	460	ug/L	92		10		70 (72)	130 (115)	20 (20)
Pentachlorophenol	1000	0	1100	ug/L	110		9		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.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF140659.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB165144BS	Pyridine	50	49.6	ug/L	99				20 (29)	160 (97)	
	1,4-Dichlorobenzene	50	46.6	ug/L	93				70 (76)	130 (103)	
	2-Methylphenol	50	49.8	ug/L	100				70 (69)	130 (109)	
	3+4-Methylphenols	50	49.2	ug/L	98				20 (67)	160 (106)	
	Hexachloroethane	50	46.8	ug/L	94				20 (76)	160 (118)	
	Nitrobenzene	50	45.8	ug/L	92				70 (58)	130 (106)	
	Hexachlorobutadiene	50	46.0	ug/L	92				70 (69)	130 (101)	
	2,4,6-Trichlorophenol	50	48.2	ug/L	96				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	46.6	ug/L	93				70 (70)	130 (106)	
	2,4-Dinitrotoluene	50	49.1	ug/L	98				70 (60)	130 (115)	
	Hexachlorobenzene	50	47.1	ug/L	94				70 (73)	130 (106)	
	Pentachlorophenol	100	97.1	ug/L	97				20 (47)	160 (114)	

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165144BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

Lab File ID: BF140537.D Lab Sample ID: PB165144BL

Instrument ID: BNA_F Date Extracted: 11/20/2024

Matrix: (soil/water) water Date Analyzed: 11/21/2024

Level: (low/med) LOW Time Analyzed: 15:34

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
WB-310-BOT	P4892-03	BF140612.D	11/25/2024
WB-310-BOTMS	P4892-03MS	BF140613.D	11/25/2024
WB-310-BOTMSD	P4892-03MSD	BF140614.D	11/25/2024
PB165144BS	PB165144BS	BF140659.D	11/27/2024
PB165060TB	PB165060TB	BF140540.D	11/21/2024

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P4892 SDG NO.: P4892

Lab File ID: BF140526.D DFTPP Injection Date: 11/21/2024

Instrument ID: BNA_F DFTPP Injection Time: 10:17

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.3
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	35.5
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	48
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	29.2
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	99.8
443	15.0 - 24.0% of mass 442	18.1 (18.1) 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
SSTDICC2.5	SSTDICC2.5	BF140528.D	11/21/2024	11:13
SSTDICC005	SSTDICC005	BF140529.D	11/21/2024	11:39
SSTDICC010	SSTDICC010	BF140530.D	11/21/2024	12:05
SSTDICC020	SSTDICC020	BF140531.D	11/21/2024	12:32
SSTDICCC040	SSTDICCC040	BF140532.D	11/21/2024	12:58
SSTDICC050	SSTDICC050	BF140533.D	11/21/2024	13:25
SSTDICC060	SSTDICC060	BF140534.D	11/21/2024	13:51
SSTDICC080	SSTDICC080	BF140535.D	11/21/2024	14:18
PB165144BL	PB165144BL	BF140537.D	11/21/2024	15:34

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P4892 SDG NO.: P4892

Lab File ID: BF140538.D DFTPP Injection Date: 11/21/2024

Instrument ID: BNA_F DFTPP Injection Time: 16:27

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	31.7
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	33.5
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	44.4
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	6.3
275	10.0 - 60.0% of mass 198	28.3
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.1 (18.1) 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	BF140539.D	11/21/2024	16:54
PB165060TB	PB165060TB	BF140540.D	11/21/2024	17:20

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P4892 SDG NO.: P4892

Lab File ID: BF140603.D DFTPP Injection Date: 11/25/2024

Instrument ID: BNA_F DFTPP Injection Time: 15:23

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.9
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	34.8
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	46.5
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	6.9
275	10.0 - 60.0% of mass 198	28
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.4 (18.4) 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	BF140604.D	11/25/2024	15:49
WB-310-BOT	P4892-03	BF140612.D	11/25/2024	19:26
WB-310-BOTMS	P4892-03MS	BF140613.D	11/25/2024	19:52
WB-310-BOTMSD	P4892-03MSD	BF140614.D	11/25/2024	20:18

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P4892 SDG NO.: P4892

Lab File ID: BF140654.D DFTPP Injection Date: 11/27/2024

Instrument ID: BNA_F DFTPP Injection Time: 08:19

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.4
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	36.3
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	48.4
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	29
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	15
442	Greater than 50% of mass 198	96.2
443	15.0 - 24.0% of mass 442	17.7 (18.4) 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	BF140655.D	11/27/2024	08:47
PB165144BS	PB165144BS	BF140659.D	11/27/2024	10:30

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

EPA Sample No.: SSTDICCC040 Date Analyzed: 11/21/2024

Lab File ID: BF140532.D Time Analyzed: 12:58

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	107516	6.875	413408	8.16	234407	9.92
	UPPER LIMIT	215032	7.375	826816	8.657	468814	10.416
	LOWER LIMIT	53758	6.375	206704	7.657	117204	9.416
	EPA SAMPLE NO.						
01	PB165144BL	89214	6.87	332852	8.15	187896	9.91

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

EPA Sample No.: SSTDICCC040 Date Analyzed: 11/21/2024

Lab File ID: BF140532.D Time Analyzed: 12:58

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	437466	11.404	239343	14.051	211422	15.539
	UPPER LIMIT	874932	11.904	478686	14.551	422844	16.039
	LOWER LIMIT	218733	10.904	119672	13.551	105711	15.039
	EPA SAMPLE NO.						
01	PB165144BL	359986	11.40	208110	14.05	161923	15.54

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.: P4892 SAS No.: P4892 SDG NO.: P4892

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/21/2024

Lab File ID: BF140539.D Time Analyzed: 16:54

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	106707	6.875	411509	8.16	234805	9.91
	UPPER LIMIT	213414	7.375	823018	8.657	469610	10.41
	LOWER LIMIT	53353.5	6.375	205755	7.657	117403	9.41
	EPA SAMPLE NO.						
01	PB165060TB	89751	6.87	336762	8.15	191525	9.91

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/21/2024

Lab File ID: BF140539.D Time Analyzed: 16:54

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	433198	11.404	229401	14.051	204401	15.539
	UPPER LIMIT	866396	11.904	458802	14.551	408802	16.039
	LOWER LIMIT	216599	10.904	114701	13.551	102201	15.039
	EPA SAMPLE NO.						
01	PB165060TB	362676	11.40	205517	14.05	163891	15.54

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.: P4892 SAS No.: P4892 SDG NO.: P4892

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/25/2024

Lab File ID: BF140604.D Time Analyzed: 15:49

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	106607	6.869	393427	8.15	218835	9.91
	UPPER LIMIT	213214	7.369	786854	8.651	437670	10.41
	LOWER LIMIT	53303.5	6.369	196714	7.651	109418	9.41
	EPA SAMPLE NO.						
01	WB-310-BOT	64242	6.87	241000	8.15	131433	9.90
02	WB-310-BOTMS	62131	6.87	221607	8.15	122175	9.91
03	WB-310-BOTMSD	68388	6.87	250576	8.15	136071	9.91

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/25/2024

Lab File ID: BF140604.D Time Analyzed: 15:49

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	396344	11.398	217927	14.051	192376	15.551
	UPPER LIMIT	792688	11.898	435854	14.551	384752	16.051
	LOWER LIMIT	198172	10.898	108964	13.551	96188	15.051
	EPA SAMPLE NO.						
01	WB-310-BOT	245421	11.39	173047	14.05	147144	15.54
02	WB-310-BOTMS	233749	11.40	142609	14.05	139916	15.54
03	WB-310-BOTMSD	265977	11.40	158457	14.05	154128	15.55

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/27/2024

Lab File ID: BF140655.D Time Analyzed: 08:47

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	98372	6.869	362566	8.15	198240	9.91
	UPPER LIMIT	196744	7.369	725132	8.651	396480	10.41
	LOWER LIMIT	49186	6.369	181283	7.651	99120	9.41
	EPA SAMPLE NO.						
01	PB165144BS	82046	6.87	308441	8.15	177190	9.91

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/27/2024

Lab File ID: BF140655.D Time Analyzed: 08:47

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	372253	11.398	233810	14.051	185431	15.545
	UPPER LIMIT	744506	11.898	467620	14.551	370862	16.045
	LOWER LIMIT	186127	10.898	116905	13.551	92715.5	15.045
	EPA SAMPLE NO.						
01	PB165144BS	338038	11.40	213188	14.05	167110	15.55

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

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

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

QC SAMPLE DATA

Raw Data: **BF140537.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:	PB165144BL	SDG No.:	P4892
Lab Sample ID:	PB165144BL	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
BF140537.D	1	11/20/24 11:30	11/21/24 15:34	PB165144

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	139		15 (10) - 110 (139)	93%	SPK: 150
13127-88-3	Phenol-d6	135		15 (10) - 110 (134)	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	95.9		30 (49) - 130 (133)	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	95.1		30 (52) - 130 (132)	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	133		15 (44) - 110 (137)	89%	SPK: 150
1718-51-0	Terphenyl-d14	98.5		30 (48) - 130 (125)	98%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	89200	6.869			
1146-65-2	Naphthalene-d8	333000	8.151			
15067-26-2	Acenaphthene-d10	188000	9.91			
1517-22-2	Phenanthrene-d10	360000	11.398			
1719-03-5	Chrysene-d12	208000	14.045			
1520-96-3	Perylene-d12	162000	15.539			

Raw Data: **BF140537.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:	PB165144BL			SDG No.:	P4892		
Lab Sample ID:	PB165144BL			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
BF140537.D	1	11/20/24 11:30	11/21/24 15:34	PB165144

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: **BF140659.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:	PB165144BS	SDG No.:	P4892
Lab Sample ID:	PB165144BS	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
BF140659.D	1	11/20/24 11:30	11/27/24 10:30	PB165144

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	49.6		1.60	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	46.6		0.84	5.00	ug/L
95-48-7	2-Methylphenol	49.8		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	49.2		1.20	10.0	ug/L
67-72-1	Hexachloroethane	46.8		1.00	5.00	ug/L
98-95-3	Nitrobenzene	45.8		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	46.0		1.30	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	48.2		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	46.6		1.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	49.1		1.50	5.00	ug/L
118-74-1	Hexachlorobenzene	47.1		1.10	5.00	ug/L
87-86-5	Pentachlorophenol	97.1	E	1.90	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	137		15 (10) - 110 (139)	92%	SPK: 150
13127-88-3	Phenol-d6	135		15 (10) - 110 (134)	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	92.9		30 (49) - 130 (133)	93%	SPK: 100
321-60-8	2-Fluorobiphenyl	91.7		30 (52) - 130 (132)	92%	SPK: 100
118-79-6	2,4,6-Tribromophenol	140		15 (44) - 110 (137)	93%	SPK: 150
1718-51-0	Terphenyl-d14	91.8		30 (48) - 130 (125)	92%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	82000	6.869			
1146-65-2	Naphthalene-d8	308000	8.151			
15067-26-2	Acenaphthene-d10	177000	9.91			
1517-22-2	Phenanthrene-d10	338000	11.398			
1719-03-5	Chrysene-d12	213000	14.051			
1520-96-3	Perylene-d12	167000	15.545			

Raw Data: **BF140659.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:			
Project:	Amtrak Sawtooth Bridges 2024			Date Received:			
Client Sample ID:	PB165144BS			SDG No.:	P4892		
Lab Sample ID:	PB165144BS			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
BF140659.D	1	11/20/24 11:30	11/27/24 10:30	PB165144

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: **BF140613.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:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-BOTMS	SDG No.:	P4892
Lab Sample ID:	P4892-03MS	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
BF140613.D	1	11/20/24 11:30	11/25/24 19:52	PB165144

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	400		15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	320		8.40	50.0	ug/L
95-48-7	2-Methylphenol	470		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	470		11.5	100	ug/L
67-72-1	Hexachloroethane	300		10.1	50.0	ug/L
98-95-3	Nitrobenzene	440		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	380		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	520		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	540		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	510		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	1200	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	132		15 (10) - 110 (139)	88%	SPK: 150
13127-88-3	Phenol-d6	120		15 (10) - 110 (134)	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	99.5		30 (49) - 130 (133)	100%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.8		30 (52) - 130 (132)	97%	SPK: 100
118-79-6	2,4,6-Tribromophenol	159		15 (44) - 110 (137)	106%	SPK: 150
1718-51-0	Terphenyl-d14	104		30 (48) - 130 (125)	104%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	62100	6.869			
1146-65-2	Naphthalene-d8	222000	8.151			
15067-26-2	Acenaphthene-d10	122000	9.91			
1517-22-2	Phenanthrene-d10	234000	11.398			
1719-03-5	Chrysene-d12	143000	14.045			
1520-96-3	Perylene-d12	140000	15.539			

Raw Data: **BF140613.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-BOTMS	SDG No.:	P4892
Lab Sample ID:	P4892-03MS	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
BF140613.D	1	11/20/24 11:30	11/25/24 19:52	PB165144

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: **BF140614.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:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-BOTMSD	SDG No.:	P4892
Lab Sample ID:	P4892-03MSD	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
BF140614.D	1	11/20/24 11:30	11/25/24 20:18	PB165144

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	370		15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	290		8.40	50.0	ug/L
95-48-7	2-Methylphenol	430		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	440		11.5	100	ug/L
67-72-1	Hexachloroethane	280		10.1	50.0	ug/L
98-95-3	Nitrobenzene	400		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	350		12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	480		8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	480		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	500		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	460		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	1100	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	122		15 (10) - 110 (139)	81%	SPK: 150
13127-88-3	Phenol-d6	111		15 (10) - 110 (134)	74%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.2		30 (49) - 130 (133)	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	89.0		30 (52) - 130 (132)	89%	SPK: 100
118-79-6	2,4,6-Tribromophenol	144		15 (44) - 110 (137)	96%	SPK: 150
1718-51-0	Terphenyl-d14	98.2		30 (48) - 130 (125)	98%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	68400	6.869			
1146-65-2	Naphthalene-d8	251000	8.151			
15067-26-2	Acenaphthene-d10	136000	9.91			
1517-22-2	Phenanthrene-d10	266000	11.398			
1719-03-5	Chrysene-d12	158000	14.045			
1520-96-3	Perylene-d12	154000	15.545			

Raw Data: **BF140614.D**

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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:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-BOTMSD	SDG No.:	P4892
Lab Sample ID:	P4892-03MSD	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
BF140614.D	1	11/20/24 11:30	11/25/24 20:18	PB165144

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

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Nov 21 15:23:48 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF140528.D 5 =BF140529.D 10 =BF140530.D 20 =BF140531.D 40 =BF140532.D 50 =BF140533.D 60 =BF140534.D 80 =BF1405
35.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.501	0.502	0.576	0.489	0.452	0.454	0.477	0.493	8.46
3)		Pyridine		0.981	1.019	1.121	1.192	1.062	1.087	1.128	1.084	6.54
4)		n-Nitrosodimet...		0.616	0.611	0.661	0.648	0.632	0.632	0.660	0.637	3.15
5)	S	2-Fluorophenol		1.261	1.233	1.202	1.174	1.117	1.127	1.091	1.172	5.40
6)		Aniline		1.159	1.195	1.133	1.251	1.042	1.020	0.835	1.091	12.73
7)	S	Phenol-d6		1.729	1.617	1.559	1.602	1.465	1.470	1.407	1.550	7.14
8)		2-Chlorophenol		1.385	1.328	1.278	1.283	1.201	1.208	1.145	1.261	6.51
9)		Benzaldehyde			1.007	0.970	0.738	0.752	0.635		0.820	19.55
10)	C	Phenol		1.723	1.648	1.620	1.667	1.514	1.490	1.417	1.583	6.98
11)		bis(2-Chloroet...		1.292	1.242	1.214	1.246	1.146	1.200	1.138	1.211	4.56
12)		1,3-Dichlorobe...		1.600	1.493	1.433	1.399	1.345	1.361	1.288	1.417	7.31
13)	C	1,4-Dichlorobe...		1.613	1.501	1.456	1.428	1.358	1.372	1.314	1.435	7.04
14)		1,2-Dichlorobe...		1.503	1.434	1.375	1.355	1.268	1.266	1.210	1.344	7.71
15)		Benzyl Alcohol		1.234	1.174	1.161	1.224	1.113	1.090	1.048	1.149	5.98
16)		2,2'-oxybis(1-...		1.650	1.480	1.434	1.463	1.335	1.377	1.276	1.431	8.43
17)		2-Methylphenol		1.121	1.034	1.033	1.042	0.956	0.959	0.922	1.009	6.74
18)		Hexachloroethane		0.598	0.545	0.549	0.537	0.514	0.510	0.499	0.536	6.17
19)	P	n-Nitroso-di-n...	0.972	1.002	0.949	0.916	0.946	0.856	0.857	0.829	0.916	6.82
20)		3+4-Methylphenols		1.495	1.362	1.305	1.347	1.211	1.209	1.154	1.298	8.98
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.536	0.511	0.494	0.481	0.463	0.460	0.468	0.488	5.75
23)	S	Nitrobenzene-d5		0.409	0.403	0.395	0.392	0.377	0.377	0.383	0.391	3.21
24)		Nitrobenzene		0.439	0.409	0.409	0.401	0.388	0.391	0.392	0.404	4.35
25)		Isophorone		0.694	0.654	0.657	0.662	0.629	0.634	0.635	0.652	3.44
26)	C	2-Nitrophenol		0.178	0.172	0.185	0.180	0.178	0.180	0.180	0.179	2.17
27)		2,4-Dimethylph...		0.221	0.214	0.213	0.224	0.204	0.207	0.218	0.214	3.40
28)		bis(2-Chloroet...		0.428	0.408	0.403	0.397	0.378	0.384	0.383	0.397	4.37
29)	C	2,4-Dichloroph...		0.301	0.291	0.290	0.282	0.277	0.274	0.271	0.284	3.82
30)		1,2,4-Trichlor...		0.342	0.338	0.332	0.317	0.317	0.312	0.312	0.324	3.91
31)		Naphthalene		1.116	1.075	1.062	1.013	0.993	0.983	0.970	1.030	5.32
32)		Benzoic acid			0.101	0.126	0.177	0.185	0.192	0.202	0.164	24.72
33)		4-Chloroaniline		0.308	0.318	0.309	0.325	0.303	0.308	0.289	0.308	3.71
34)	C	Hexachlorobuta...		0.227	0.225	0.219	0.212	0.209	0.207	0.204	0.215	4.15
35)		Caprolactam		0.091	0.091	0.091	0.090	0.085	0.085	0.083	0.088	3.99
36)	C	4-Chloro-3-met...		0.348	0.318	0.317	0.327	0.307	0.307	0.301	0.318	4.95
37)		2-Methylnaphth...		0.724	0.680	0.669	0.650	0.623	0.620	0.615	0.654	6.09
38)		1-Methylnaphth...		0.707	0.665	0.659	0.638	0.611	0.608	0.601	0.641	5.98

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF112124.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.635	0.604	0.606	0.563	0.561	0.565	0.565	0.586	5.02
41)	P	Hexachlorocycl...		0.055	0.090	0.114	0.121	0.129	0.133	0.107	27.80
42)	S	2,4,6-Tribromo...	0.222	0.209	0.220	0.216	0.210	0.210	0.211	0.214	2.52
43)	C	2,4,6-Trichlor...	0.384	0.358	0.375	0.366	0.364	0.360	0.365	0.367	2.45
44)		2,4,5-Trichlor...	0.402	0.396	0.410	0.404	0.390	0.397	0.392	0.399	1.80
45)	S	2-Fluorobiphenyl	1.550	1.402	1.423	1.291	1.255	1.240	1.235	1.342	8.90
46)		1,1'-Biphenyl	1.666	1.530	1.563	1.447	1.427	1.418	1.403	1.493	6.50
47)		2-Chloronaphth...	1.251	1.145	1.162	1.106	1.082	1.084	1.091	1.131	5.39
48)		2-Nitroaniline	0.367	0.351	0.379	0.367	0.363	0.357	0.359	0.363	2.50
49)		Acenaphthylene	1.890	1.765	1.808	1.662	1.628	1.623	1.590	1.710	6.58
50)		Dimethylphthalate	1.455	1.329	1.346	1.299	1.267	1.270	1.254	1.317	5.28
51)		2,6-Dinitrotol...	0.314	0.299	0.307	0.301	0.291	0.293	0.286	0.299	3.24
52)	C	Acenaphthene	1.182	1.110	1.134	1.063	1.052	1.037	1.026	1.086	5.29
53)		3-Nitroaniline	0.307	0.297	0.309	0.300	0.289	0.281	0.262	0.292	5.71
54)	P	2,4-Dinitrophenol		0.057	0.089	0.140	0.145	0.150	0.154	0.122	32.70
55)		Dibenzofuran	1.898	1.739	1.739	1.622	1.559	1.531	1.509	1.657	8.53
56)	P	4-Nitrophenol		0.160	0.195	0.207	0.212	0.214	0.208	0.199	10.31
57)		2,4-Dinitrotol...	0.403	0.403	0.416	0.404	0.386	0.389	0.379	0.397	3.24
58)		Fluorene	1.509	1.409	1.399	1.295	1.263	1.224	1.210	1.330	8.37
59)		2,3,4,6-Tetrac...	0.307	0.296	0.308	0.312	0.305	0.305	0.312	0.306	1.72
60)		Diethylphthalate	1.495	1.375	1.393	1.311	1.292	1.268	1.234	1.338	6.66
61)		4-Chlorophenyl...	0.739	0.682	0.685	0.639	0.619	0.605	0.599	0.653	7.90
62)		4-Nitroaniline	0.307	0.301	0.315	0.312	0.310	0.309	0.291	0.306	2.67
63)		Azobenzene	1.406	1.320	1.320	1.235	1.205	1.206	1.179	1.267	6.55
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.073	0.090	0.110	0.110	0.117	0.113	0.102	16.74
66)	c	n-Nitrosodiphe...	0.632	0.618	0.597	0.578	0.577	0.580	0.558	0.591	4.39
67)		4-Bromophenyl-...	0.218	0.215	0.206	0.200	0.200	0.205	0.198	0.206	3.79
68)		Hexachlorobenzene	0.257	0.240	0.239	0.233	0.232	0.236	0.232	0.238	3.65
69)		Atrazine	0.181	0.171	0.131	0.140	0.147	0.196	0.198	0.166	16.37
70)	C	Pentachlorophenol		0.071	0.090	0.116	0.115	0.121	0.118	0.105	19.24
71)		Phenanthrene	1.074	1.020	0.970	0.944	0.925	0.916	0.881	0.961	6.87
72)		Anthracene	1.038	0.994	0.958	0.925	0.905	0.904	0.859	0.940	6.47
73)		Carbazole	1.004	0.949	0.930	0.889	0.876	0.862	0.821	0.905	6.75
74)		Di-n-butylphth...	1.144	1.075	1.074	1.023	1.021	1.007	0.967	1.044	5.56
75)	C	Fluoranthene	1.186	1.111	1.114	1.014	0.999	0.962	0.921	1.044	9.11
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.268	0.422	0.296	0.575	0.734	1.025	0.751	0.581	47.31
78)		Pyrene	1.905	1.801	1.897	1.853	1.791	1.898	1.799	1.849	2.79
79)	S	Terphenyl-d14	1.351	1.254	1.308	1.283	1.228	1.313	1.254	1.284	3.31
80)		Butylbenzylpht...	0.676	0.644	0.694	0.679	0.655	0.674	0.641	0.666	2.96
81)		Benzo(a)anthra...	1.409	1.319	1.379	1.286	1.295	1.338	1.242	1.324	4.30
82)		3,3'-Dichlorob...	0.375	0.383	0.393	0.413	0.406	0.419	0.394	0.397	4.03
83)		Chrysene	1.354	1.263	1.218	1.201	1.137	1.173	1.128	1.211	6.50
84)		Bis(2-ethylhex...	0.904	0.828	0.862	0.833	0.824	0.841	0.797	0.841	4.00
85)	c	Di-n-octyl pht...	1.198	1.133	1.147	1.132	1.147	1.169	1.121	1.150	2.29

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF112124.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.209	1.283	1.299	1.304	1.306	1.409	1.313	1.303	4.51
88)		Benzo(b)fluora...	1.347	1.256	1.380	1.186	1.248	1.207	1.168	1.256	6.41
89)		Benzo(k)fluora...	1.243	1.236	1.059	1.101	1.022	1.055	0.980	1.099	9.34
90)	C	Benzo(a)pyrene	1.062	1.050	1.063	1.007	0.998	1.014	0.957	1.021	3.81
91)		Dibenzo(a,h)an...	1.015	1.038	1.063	1.068	1.075	1.149	1.064	1.067	3.90
92)		Benzo(g,h,i)pe...	1.033	1.090	1.078	1.085	1.094	1.161	1.083	1.089	3.48

(#) = 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.: P4892 SAS No.: P4892 SDG No.: P4892

Instrument ID: BNA_F Calibration Date/Time: 11/21/2024 16:54

Lab File ID: BF140539.D Init. Calib. Date(s): 11/21/2024 11/21/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:13 14:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.084	1.199		10.6	
2-Fluorophenol	1.172	1.157		-1.3	
Phenol-d6	1.550	1.556		0.4	
1,4-Dichlorobenzene	1.435	1.386		-3.4	20.0
2-Methylphenol	1.010	1.024		1.4	
3+4-Methylphenols	1.298	1.347		3.8	
Nitrobenzene-d5	0.391	0.387		-1.0	
Hexachloroethane	0.536	0.531		-0.9	
Nitrobenzene	0.404	0.400		-1.0	
Hexachlorobutadiene	0.215	0.213		-0.9	20.0
2,4,6-Trichlorophenol	0.367	0.364		-0.8	20.0
2-Fluorobiphenyl	1.342	1.301		-3.1	
2,4,5-Trichlorophenol	0.399	0.404		1.3	
2,4-Dinitrotoluene	0.397	0.397		0.0	
2,4,6-Tribromophenol	0.214	0.210		-1.9	
Hexachlorobenzene	0.238	0.236		-0.8	
Pentachlorophenol	0.105	0.110		4.8	20.0
Terphenyl-d14	1.284	1.308		1.9	

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.: P4892 SAS No.: P4892 SDG No.: P4892

Instrument ID: BNA_F Calibration Date/Time: 11/25/2024 15:49

Lab File ID: BF140604.D Init. Calib. Date(s): 11/21/2024 11/21/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:13 14:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.084	1.248		15.1	
2-Fluorophenol	1.172	1.153		-1.6	
Phenol-d6	1.550	1.521		-1.9	
1,4-Dichlorobenzene	1.435	1.401		-2.4	20.0
2-Methylphenol	1.010	1.019		0.9	
3+4-Methylphenols	1.298	1.259		-3.0	
Nitrobenzene-d5	0.391	0.378		-3.3	
Hexachloroethane	0.536	0.521		-2.8	
Nitrobenzene	0.404	0.392		-3.0	
Hexachlorobutadiene	0.215	0.210		-2.3	20.0
2,4,6-Trichlorophenol	0.367	0.358		-2.5	20.0
2-Fluorobiphenyl	1.342	1.282		-4.5	
2,4,5-Trichlorophenol	0.399	0.395		-1.0	
2,4-Dinitrotoluene	0.397	0.389		-2.0	
2,4,6-Tribromophenol	0.214	0.206		-3.7	
Hexachlorobenzene	0.238	0.236		-0.8	
Pentachlorophenol	0.105	0.106		1.0	20.0
Terphenyl-d14	1.284	1.258		-2.0	

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.: P4892 SAS No.: P4892 SDG No.: P4892

Instrument ID: BNA_F Calibration Date/Time: 11/27/2024 08:47

Lab File ID: BF140655.D Init. Calib. Date(s): 11/21/2024 11/21/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:13 14:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.084	1.166		7.6	
2-Fluorophenol	1.172	1.138		-2.9	
Phenol-d6	1.550	1.502		-3.1	
1,4-Dichlorobenzene	1.435	1.411		-1.7	20.0
2-Methylphenol	1.010	0.990		-2.0	
3+4-Methylphenols	1.298	1.258		-3.1	
Nitrobenzene-d5	0.391	0.379		-3.1	
Hexachloroethane	0.536	0.525		-2.1	
Nitrobenzene	0.404	0.388		-4.0	
Hexachlorobutadiene	0.215	0.210		-2.3	20.0
2,4,6-Trichlorophenol	0.367	0.354		-3.5	20.0
2-Fluorobiphenyl	1.342	1.300		-3.1	
2,4,5-Trichlorophenol	0.399	0.396		-0.8	
2,4-Dinitrotoluene	0.397	0.398		0.3	
2,4,6-Tribromophenol	0.214	0.207		-3.3	
Hexachlorobenzene	0.238	0.234		-1.7	
Pentachlorophenol	0.105	0.102		-2.9	20.0
Terphenyl-d14	1.284	1.162		-9.5	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Sample Results: **BF140612.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140612.D
Acq On : 25 Nov 2024 19:26
Operator : RC/JU
Sample : P4892-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-310-BOT

Quant Time: Nov 26 00:09:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

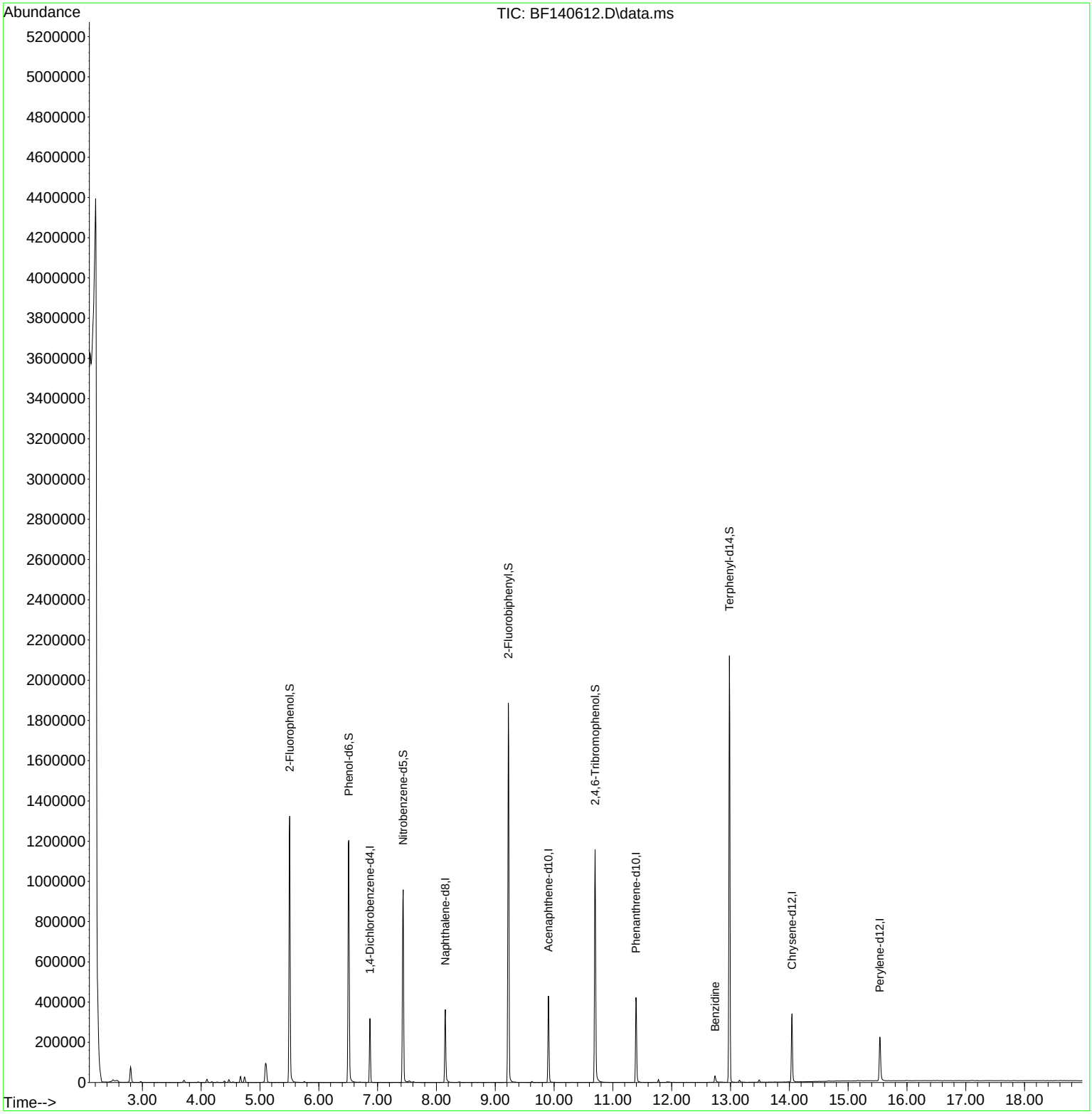
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	64242	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	241000	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	131433	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	245421	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	173047	20.000	ng	0.00
86) Perylene-d12	15.539	264	147144	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	505173	134.169	ng	0.00
7) Phenol-d6	6.510	99	596508	119.837	ng	0.00
23) Nitrobenzene-d5	7.434	82	455735	96.726	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	210116	149.476	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	836033	94.774	ng	-0.01
79) Terphenyl-d14	12.980	244	1036504	93.268	ng	-0.01
Target Compounds						Qvalue
77) Benzidine	12.739	184	27063	5.379	ng	98

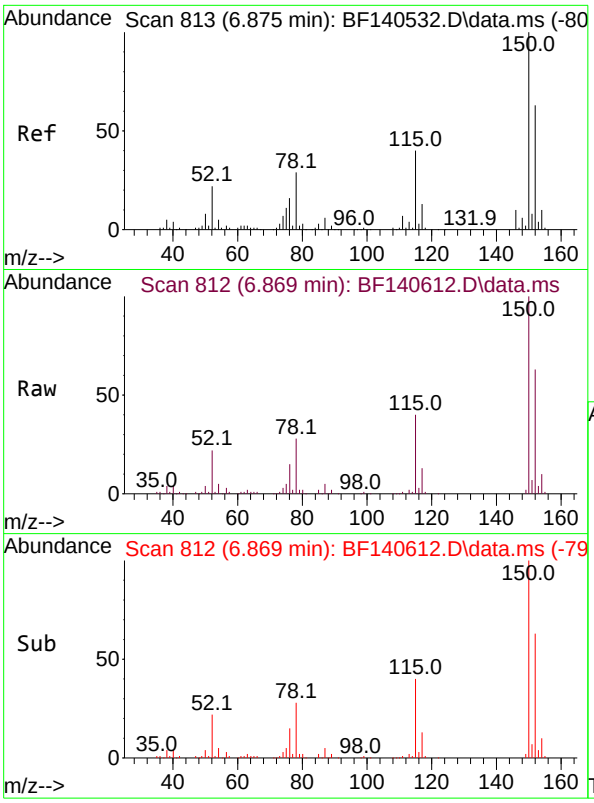
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140612.D
Acq On : 25 Nov 2024 19:26
Operator : RC/JU
Sample : P4892-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-310-BOT

Quant Time: Nov 26 00:09:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



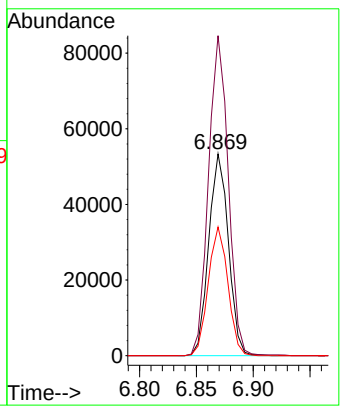


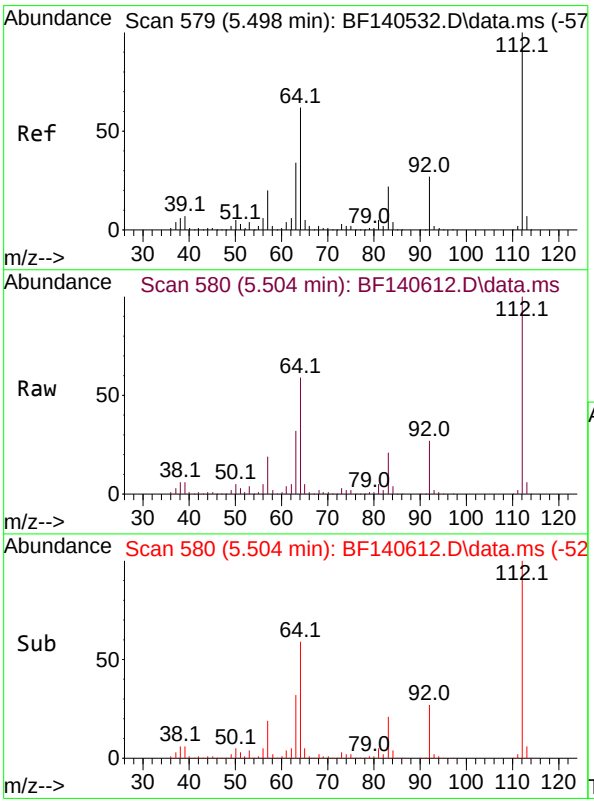
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140612.D
Acq: 25 Nov 2024 19:26

Instrument :
BNA_F
ClientSampleId :
WB-310-BOT

Tgt Ion:152 Resp: 64242

Ion	Ratio	Lower	Upper
152	100		
150	158.6	128.5	192.7
115	63.7	50.2	75.4

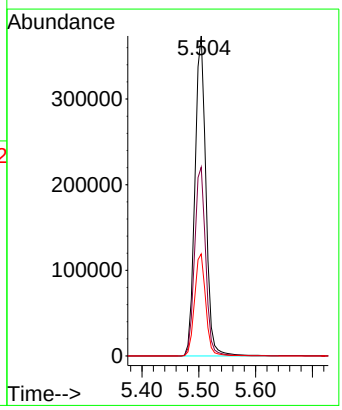


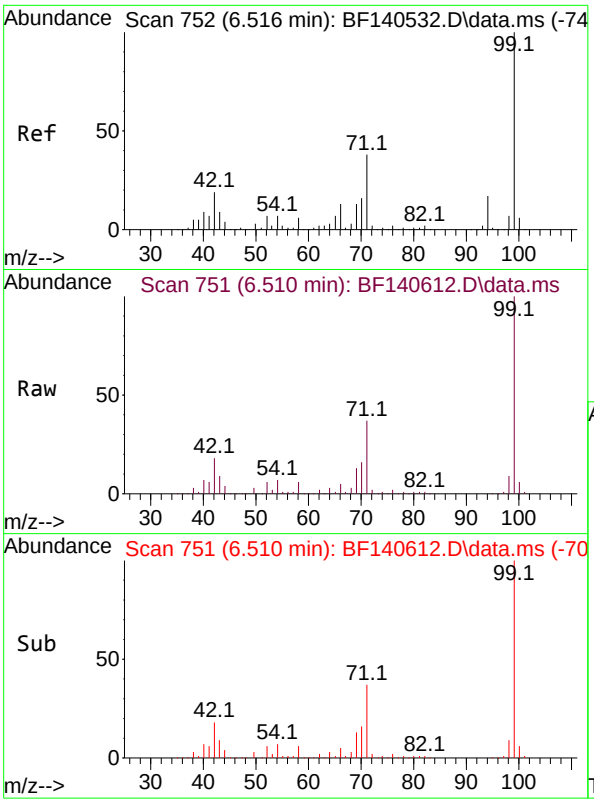


#5
2-Fluorophenol
Concen: 134.169 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140612.D
Acq: 25 Nov 2024 19:26

Tgt Ion:112 Resp: 505173

Ion	Ratio	Lower	Upper
112	100		
64	59.0	49.2	73.8
63	31.9	27.0	40.4



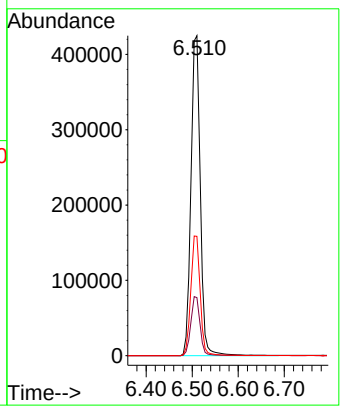


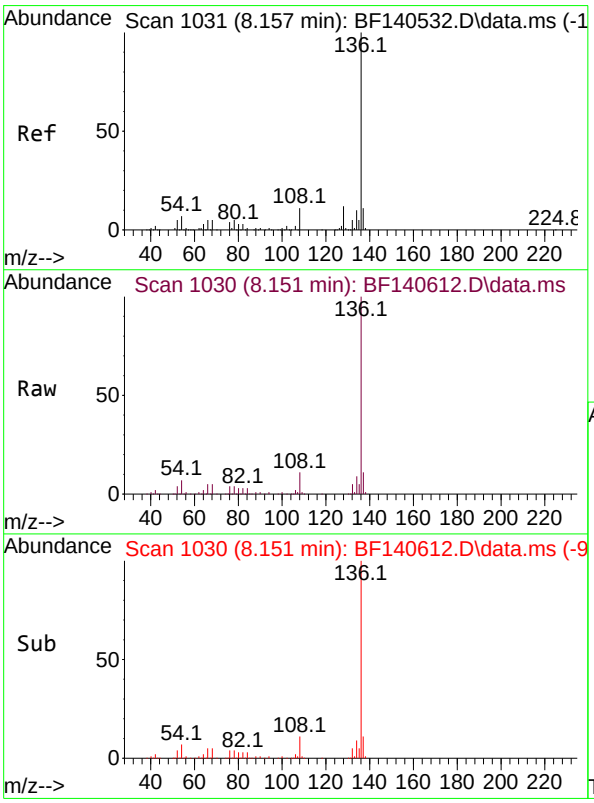
#7
Phenol-d6
Concen: 119.837 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF140612.D
Acq: 25 Nov 2024 19:26

Instrument :
BNA_F
ClientSampleId :
WB-310-BOT

Tgt Ion: 99 Resp: 596508

Ion	Ratio	Lower	Upper
99	100		
42	18.1	15.4	23.0
71	37.3	30.6	46.0

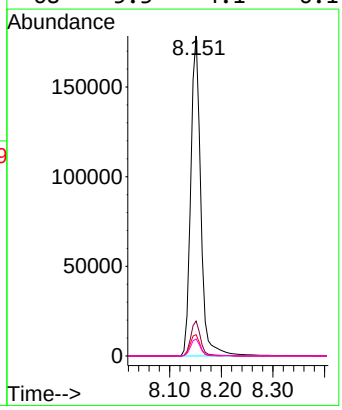


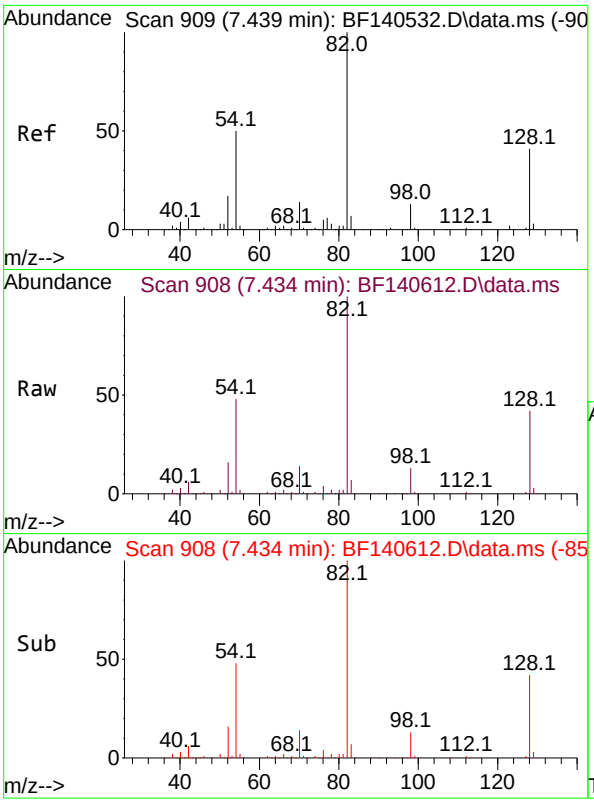


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140612.D
Acq: 25 Nov 2024 19:26

Tgt Ion:136 Resp: 241000

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	6.6	5.8	8.8
68	5.3	4.1	6.1



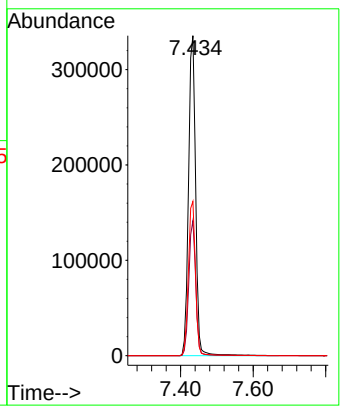


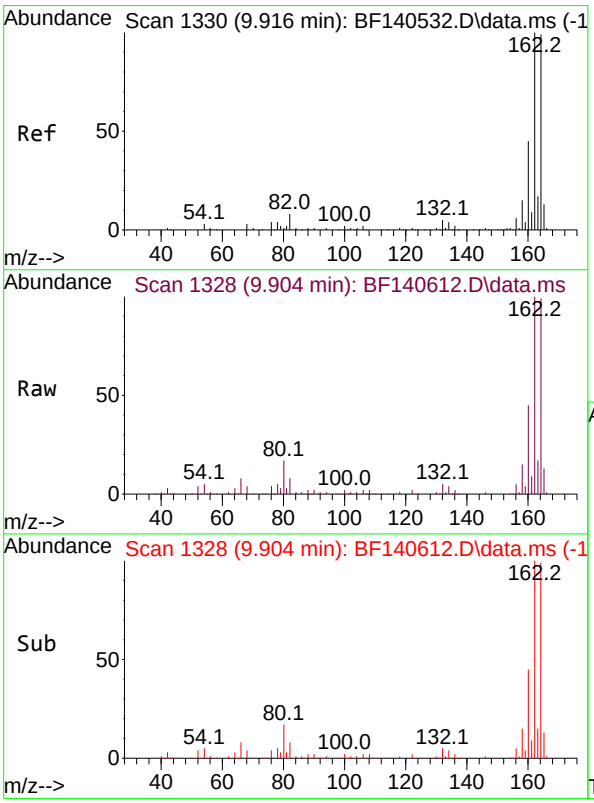
#23
Nitrobenzene-d5
Concen: 96.726 ng
RT: 7.434 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140612.D
Acq: 25 Nov 2024 19:26

Instrument :
BNA_F
ClientSampleId :
WB-310-BOT

Tgt Ion: 82 Resp: 455735

Ion	Ratio	Lower	Upper
82	100		
128	42.2	33.0	49.4
54	48.2	39.5	59.3

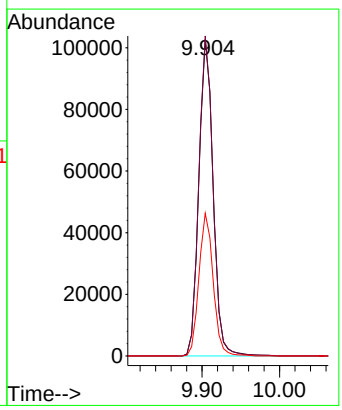


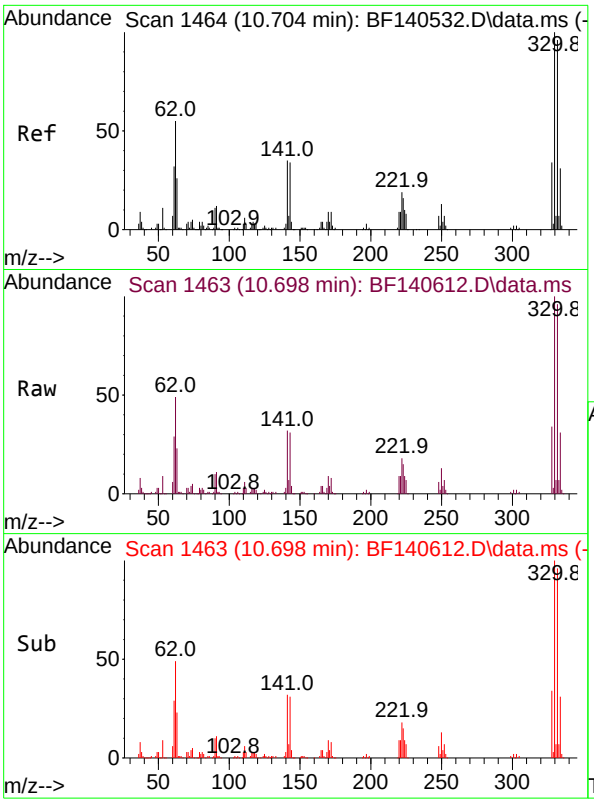


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140612.D
Acq: 25 Nov 2024 19:26

Tgt Ion:164 Resp: 131433

Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.6	120.8
160	45.1	36.2	54.4



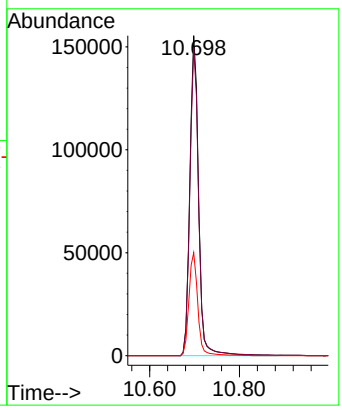


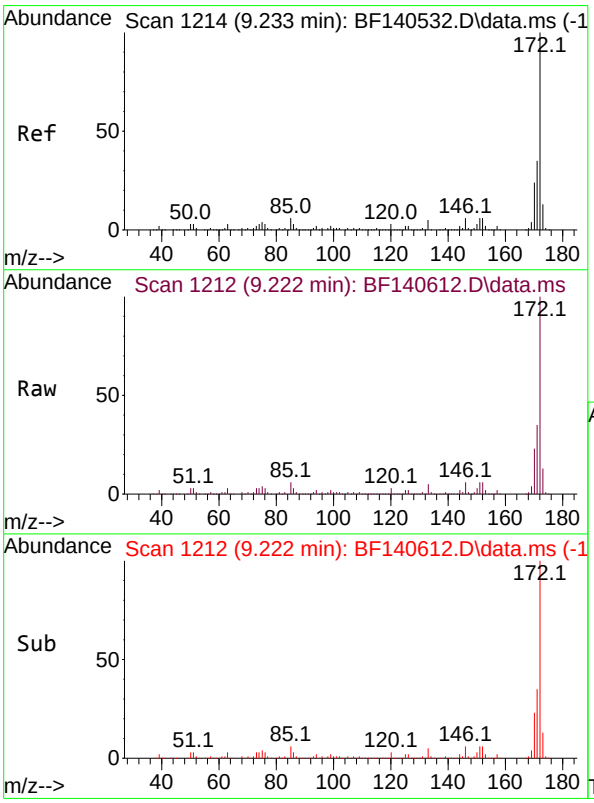
#42
2,4,6-Tribromophenol
Concen: 149.476 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140612.D
Acq: 25 Nov 2024 19:26

Instrument :
BNA_F
ClientSampleId :
WB-310-BOT

Tgt Ion:330 Resp: 210116

Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.9	115.3
141	32.7	26.7	40.1

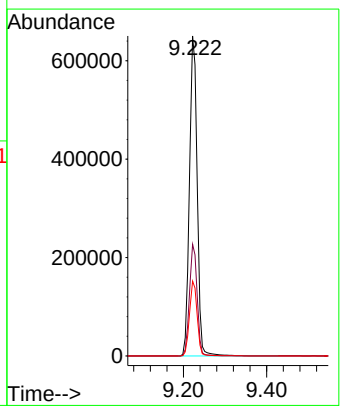


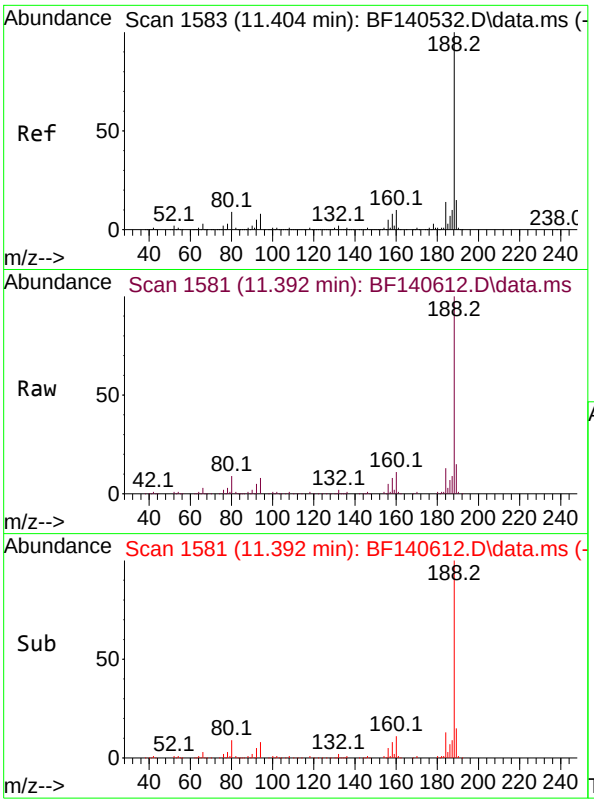


#45
2-Fluorobiphenyl
Concen: 94.774 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140612.D
Acq: 25 Nov 2024 19:26

Tgt Ion:172 Resp: 836033

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.4	42.6
170	23.4	19.0	28.6



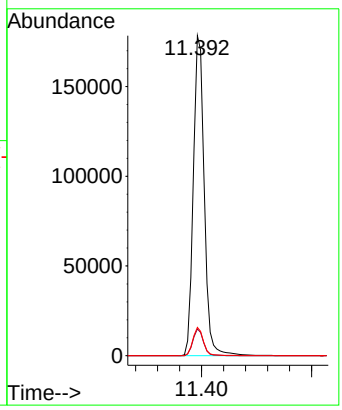


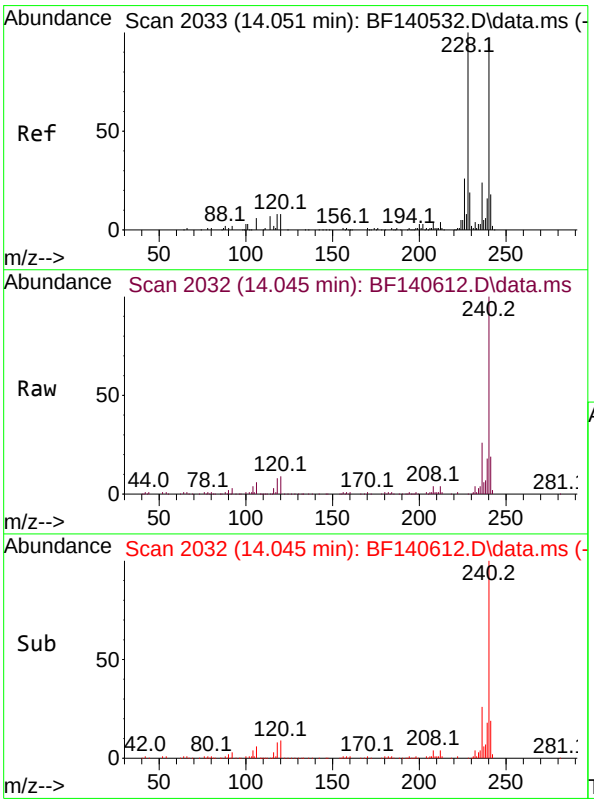
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140612.D
Acq: 25 Nov 2024 19:26

Instrument :
BNA_F
ClientSampleId :
WB-310-BOT

Tgt Ion:188 Resp: 245421

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.4	9.6
80	8.8	6.9	10.3

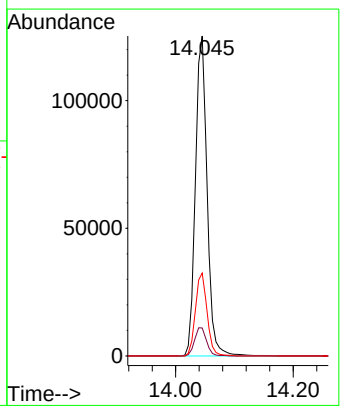


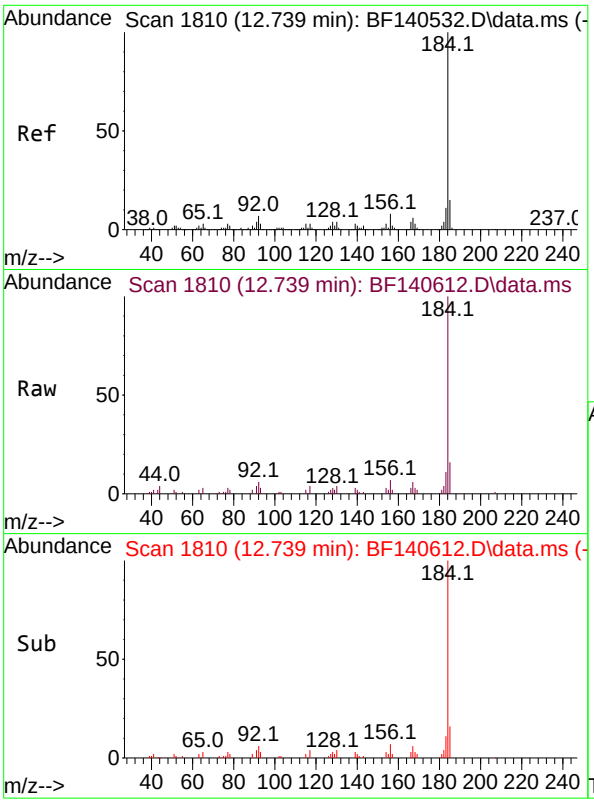


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140612.D
Acq: 25 Nov 2024 19:26

Tgt Ion:240 Resp: 173047

Ion	Ratio	Lower	Upper
240	100		
120	8.8	7.3	10.9
236	25.9	20.6	31.0



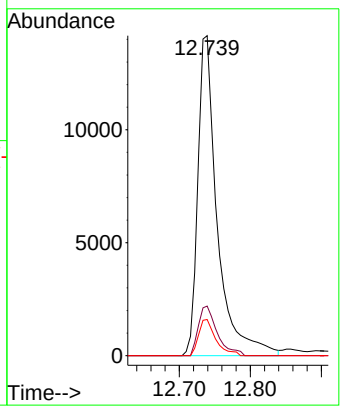


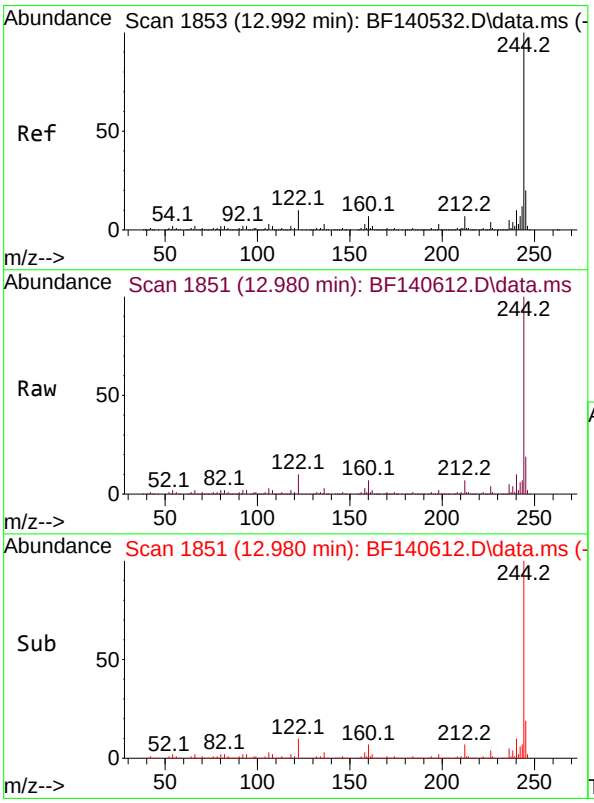
#77
Benzidine
Concen: 5.379 ng
RT: 12.739 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140612.D
Acq: 25 Nov 2024 19:26

Instrument :
BNA_F
ClientSampleId :
WB-310-BOT

Tgt Ion:184 Resp: 27063

Ion	Ratio	Lower	Upper
184	100		
185	15.5	11.7	17.5
183	11.3	8.8	13.2

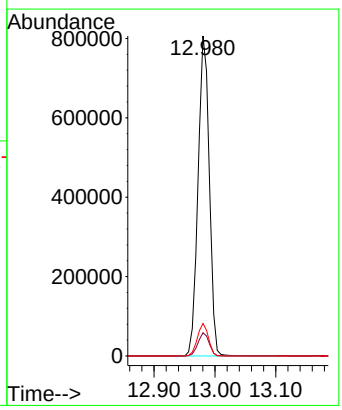


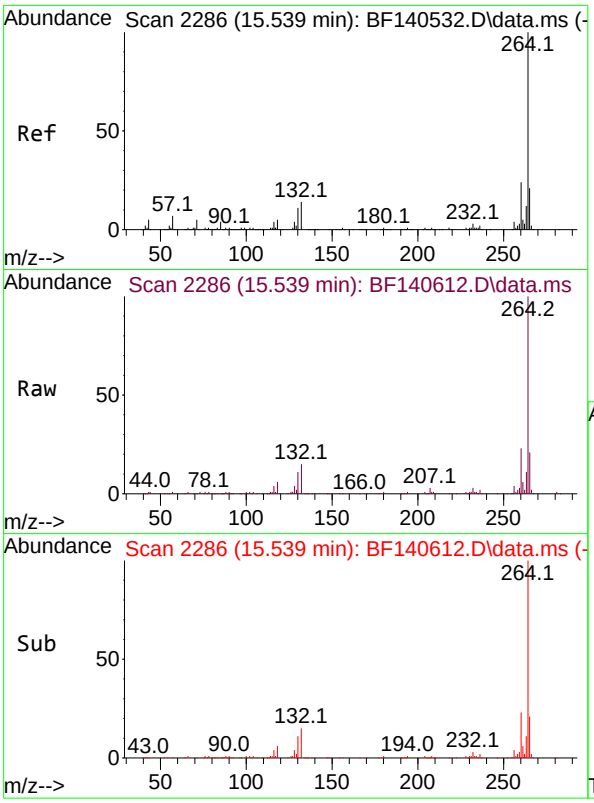


#79
Terphenyl-d14
Concen: 93.268 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.012 min
Lab File: BF140612.D
Acq: 25 Nov 2024 19:26

Tgt Ion:244 Resp: 1036504

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	10.2	8.0	12.0



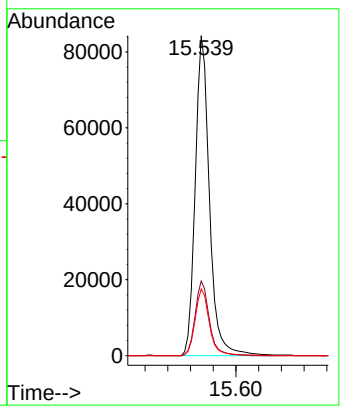


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140612.D
Acq: 25 Nov 2024 19:26

Instrument :
BNA_F
ClientSampleId :
WB-310-BOT

Tgt Ion:264 Resp: 147144

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.0	28.6
265	20.9	16.6	25.0



Sample Results: **BF140540.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
Data File : BF140540.D
Acq On : 21 Nov 2024 17:20
Operator : RC/JU
Sample : PB165060TB
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165060TB

Quant Time: Nov 21 17:44:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

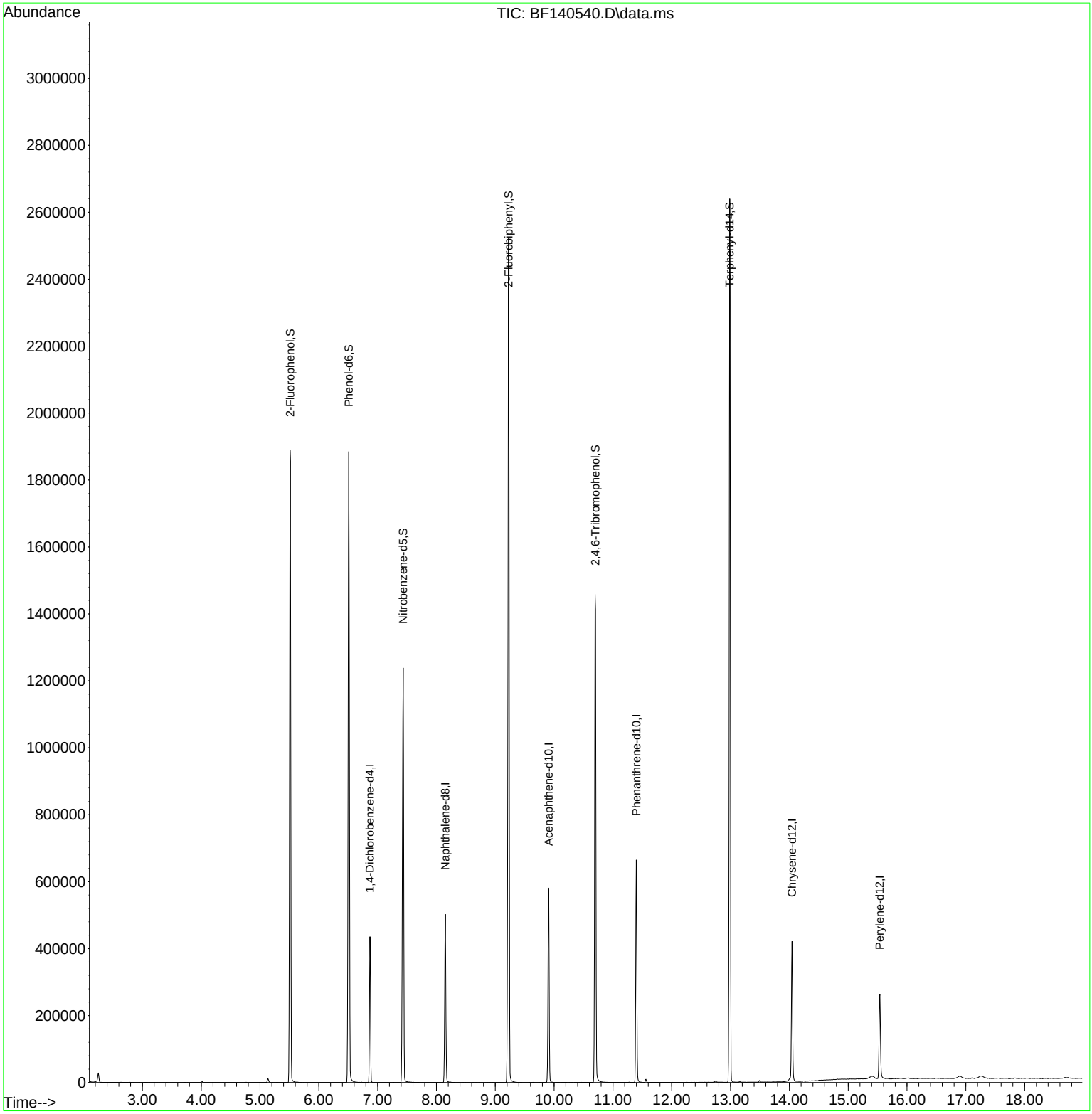
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	89751	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	336762	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	191525	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	362676	20.000	ng	0.00
76) Chrysene-d12	14.045	240	205517	20.000	ng	0.00
86) Perylene-d12	15.539	264	163891	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	726916	138.190	ng	0.02
7) Phenol-d6	6.510	99	938987	135.025	ng	0.00
23) Nitrobenzene-d5	7.433	82	625240	94.967	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	265428	129.580	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1207853	93.963	ng	0.00
79) Terphenyl-d14	12.986	244	1311789	99.390	ng	0.00
Target Compounds						Qvalue

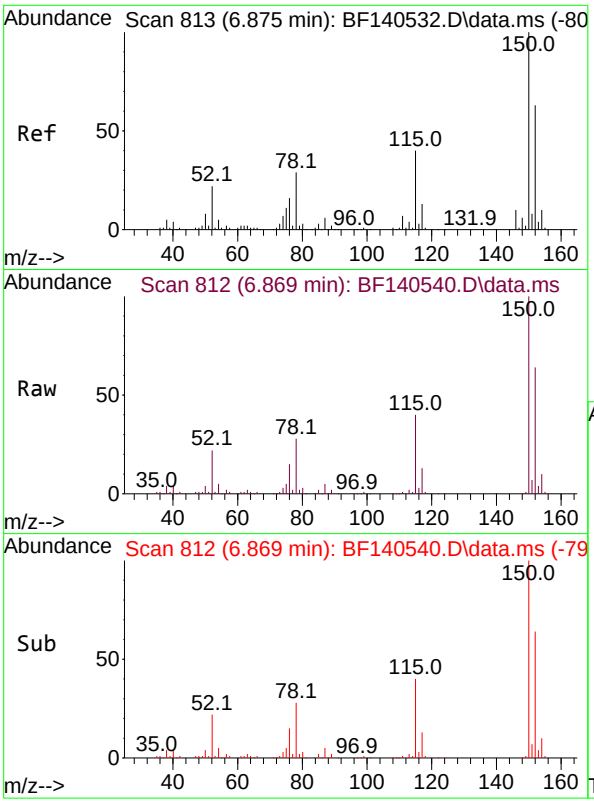
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
Data File : BF140540.D
Acq On : 21 Nov 2024 17:20
Operator : RC/JU
Sample : PB165060TB
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165060TB

Quant Time: Nov 21 17:44:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



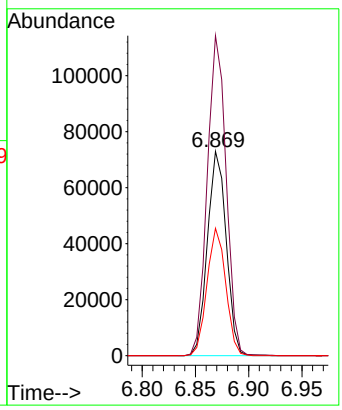


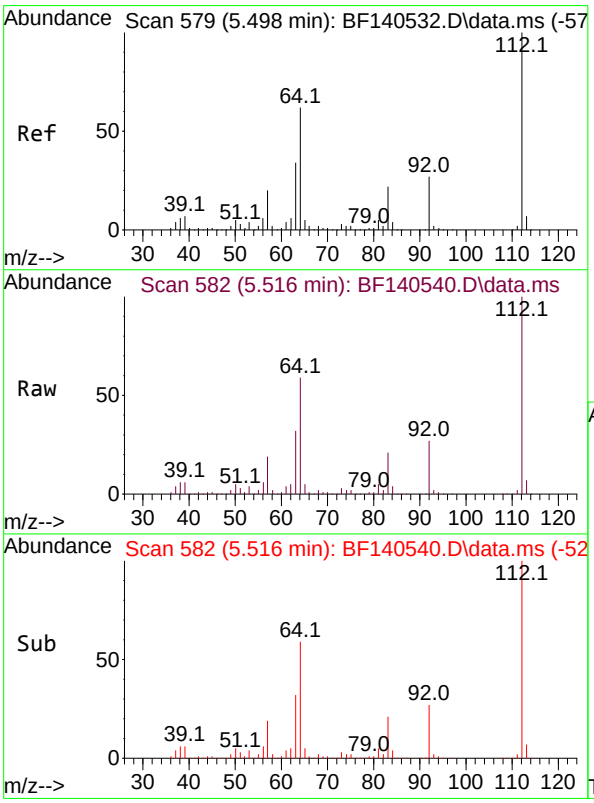
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140540.D
Acq: 21 Nov 2024 17:20

Instrument :
BNA_F
ClientSampleId :
PB165060TB

Tgt Ion:152 Resp: 89751

Ion	Ratio	Lower	Upper
152	100		
150	156.6	128.5	192.7
115	62.3	50.2	75.4

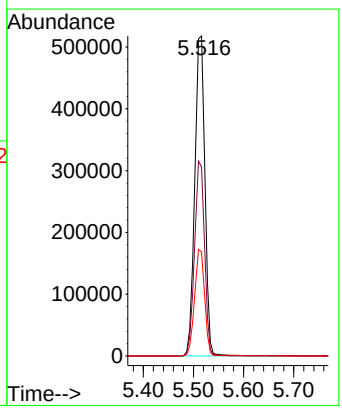


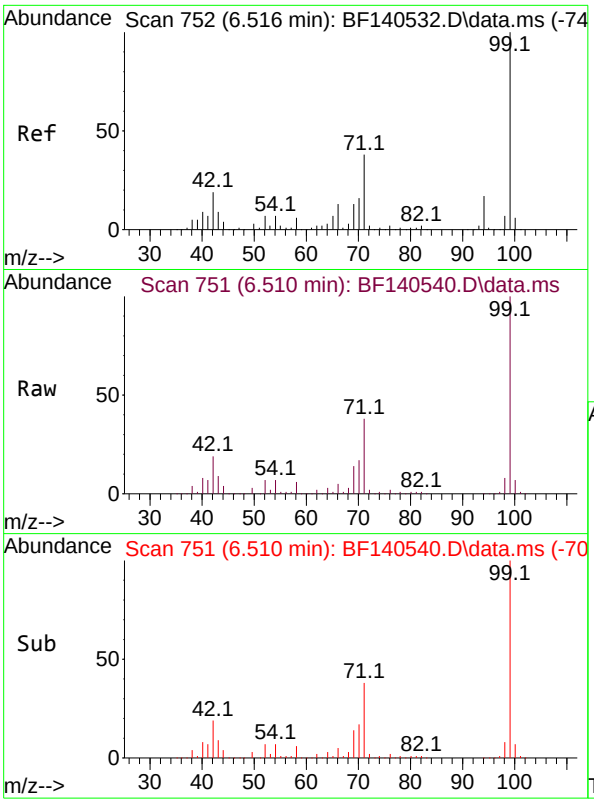


#5
2-Fluorophenol
Concen: 138.190 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.018 min
Lab File: BF140540.D
Acq: 21 Nov 2024 17:20

Tgt Ion:112 Resp: 726916

Ion	Ratio	Lower	Upper
112	100		
64	59.0	49.2	73.8
63	32.5	27.0	40.4



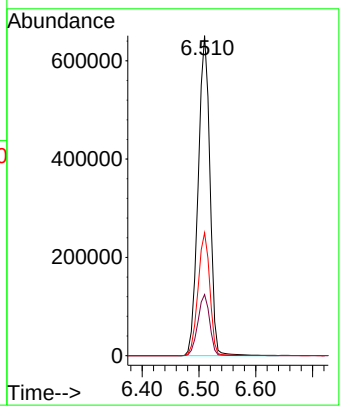


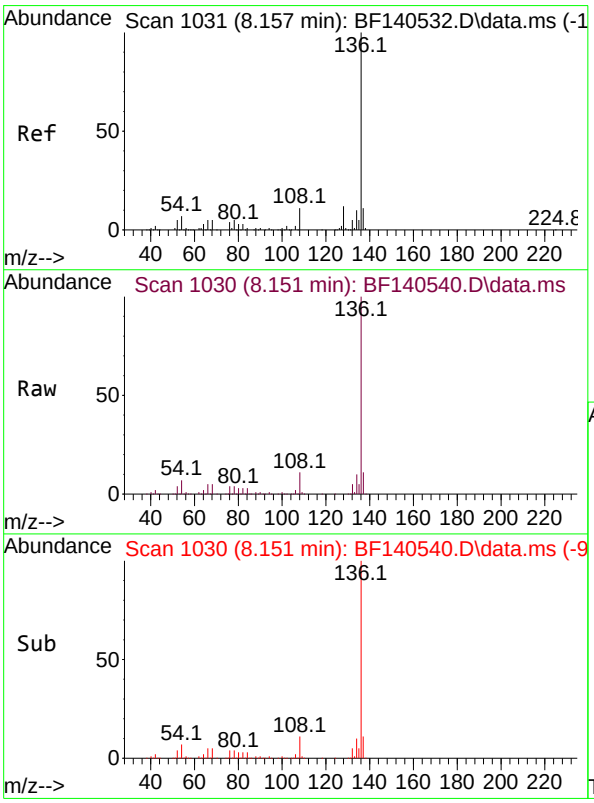
#7
Phenol-d6
Concen: 135.025 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF140540.D
Acq: 21 Nov 2024 17:20

Instrument :
BNA_F
ClientSampleId :
PB165060TB

Tgt Ion: 99 Resp: 938987

Ion	Ratio	Lower	Upper
99	100		
42	19.1	15.4	23.0
71	38.4	30.6	46.0

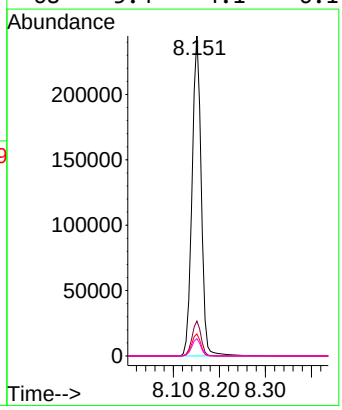


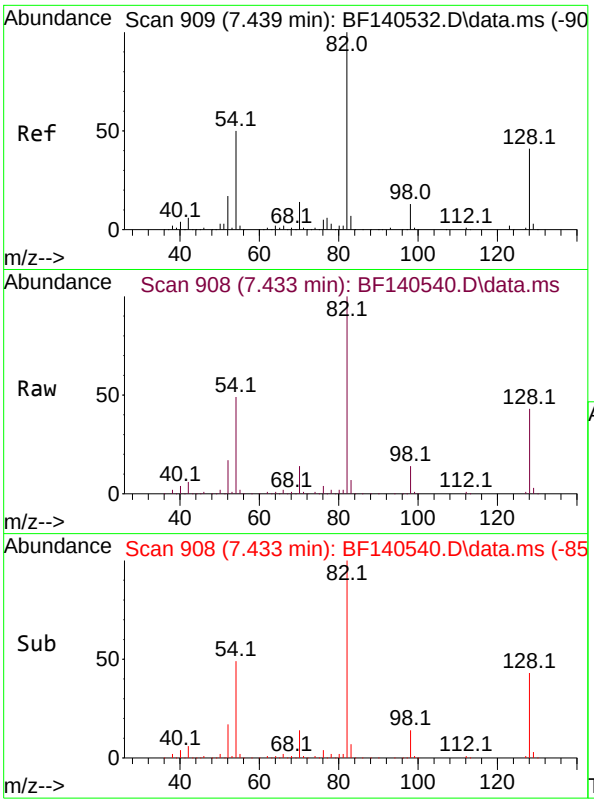


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140540.D
Acq: 21 Nov 2024 17:20

Tgt Ion:136 Resp: 336762

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	6.9	5.8	8.8
68	5.4	4.1	6.1



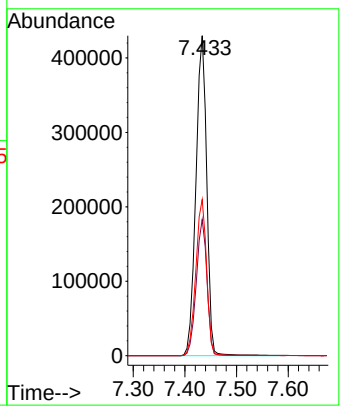


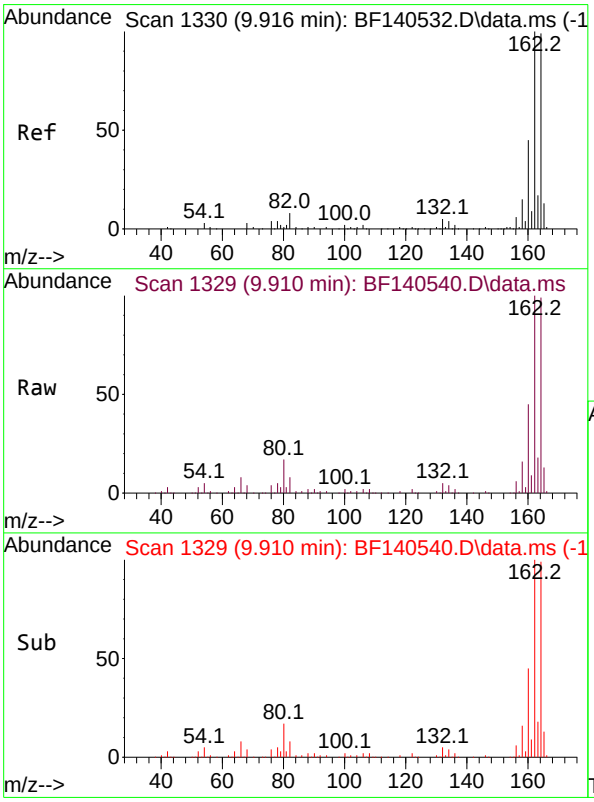
#23
Nitrobenzene-d5
Concen: 94.967 ng
RT: 7.433 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140540.D
Acq: 21 Nov 2024 17:20

Instrument :
BNA_F
ClientSampleId :
PB165060TB

Tgt Ion: 82 Resp: 625240

Ion	Ratio	Lower	Upper
82	100		
128	42.6	33.0	49.4
54	48.8	39.5	59.3

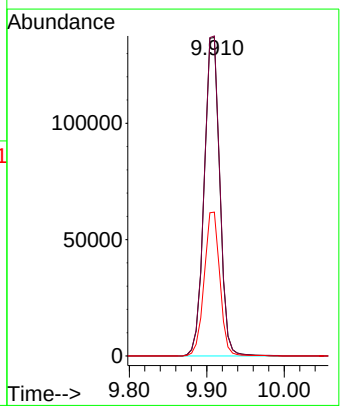


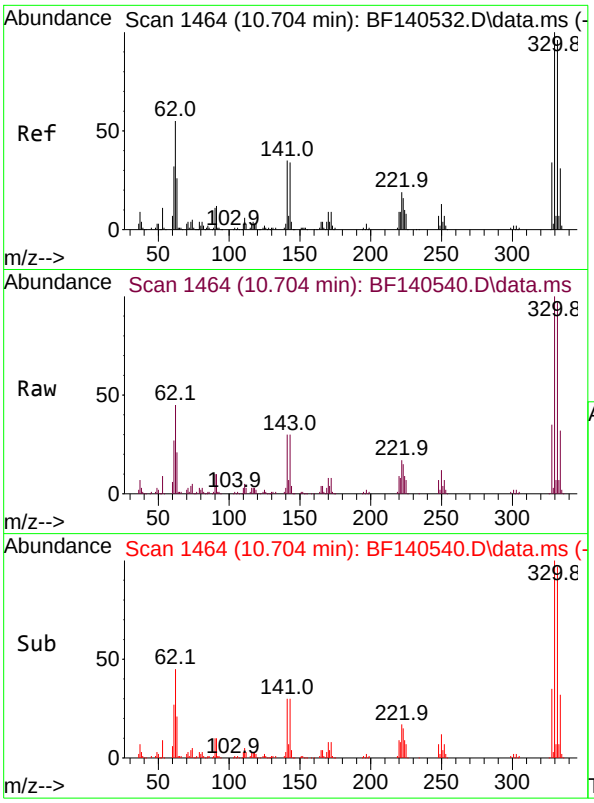


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140540.D
Acq: 21 Nov 2024 17:20

Tgt Ion:164 Resp: 191525

Ion	Ratio	Lower	Upper
164	100		
162	100.5	80.6	120.8
160	45.2	36.2	54.4



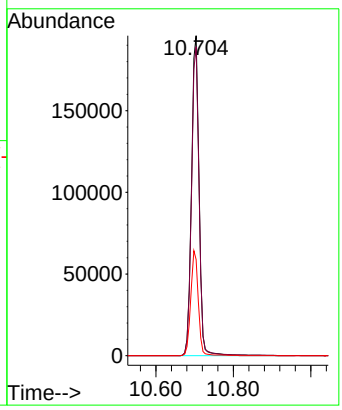


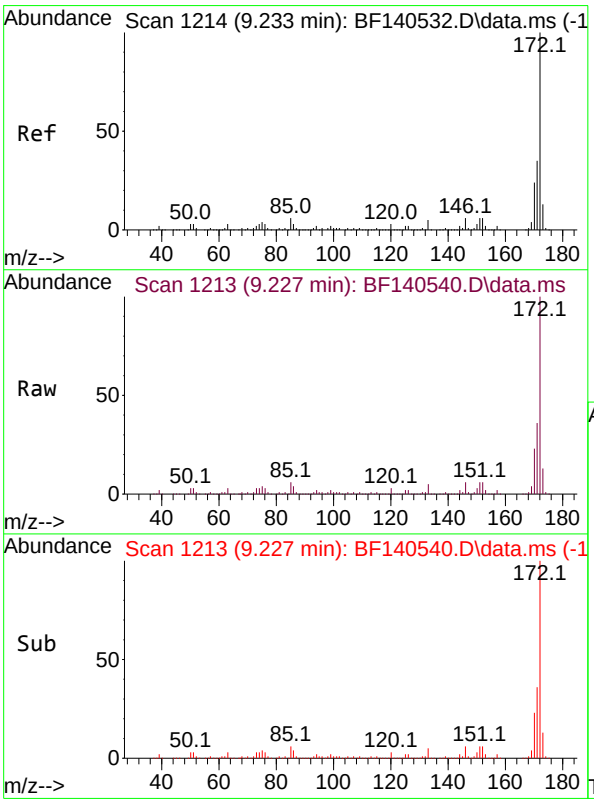
#42
2,4,6-Tribromophenol
Concen: 129.580 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140540.D
Acq: 21 Nov 2024 17:20

Instrument :
BNA_F
ClientSampleId :
PB165060TB

Tgt Ion:330 Resp: 265428

Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.9	115.3
141	32.8	26.7	40.1

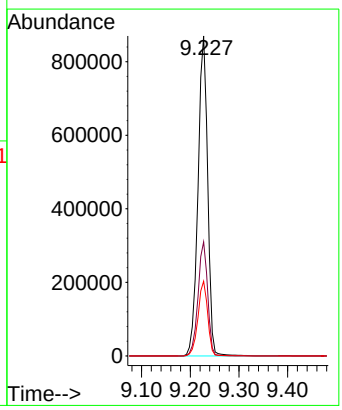


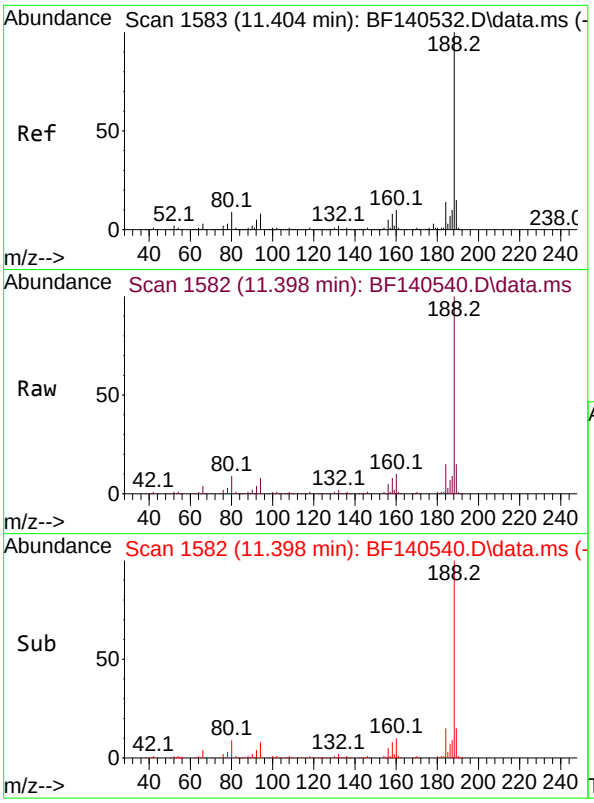


#45
2-Fluorobiphenyl
Concen: 93.963 ng
RT: 9.227 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140540.D
Acq: 21 Nov 2024 17:20

Tgt Ion:172 Resp: 1207853

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.4	42.6
170	23.3	19.0	28.6



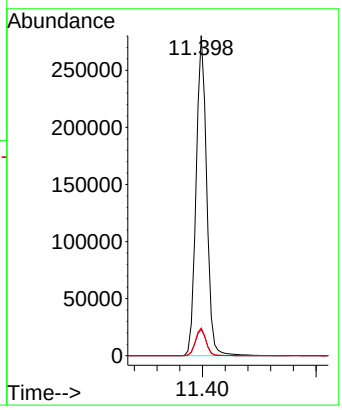


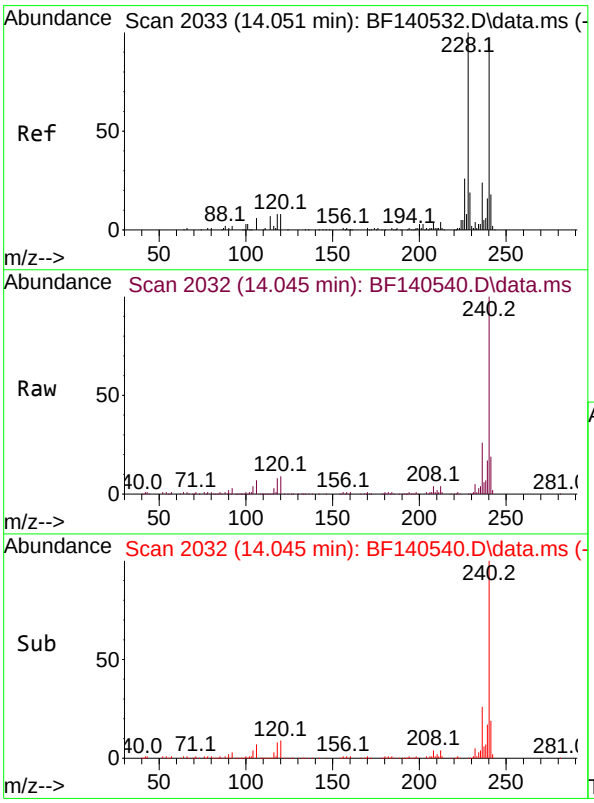
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140540.D
Acq: 21 Nov 2024 17:20

Instrument :
BNA_F
ClientSampleId :
PB165060TB

Tgt Ion:188 Resp: 362676

Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.4	9.6
80	8.6	6.9	10.3

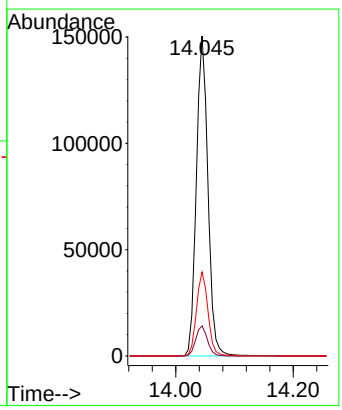


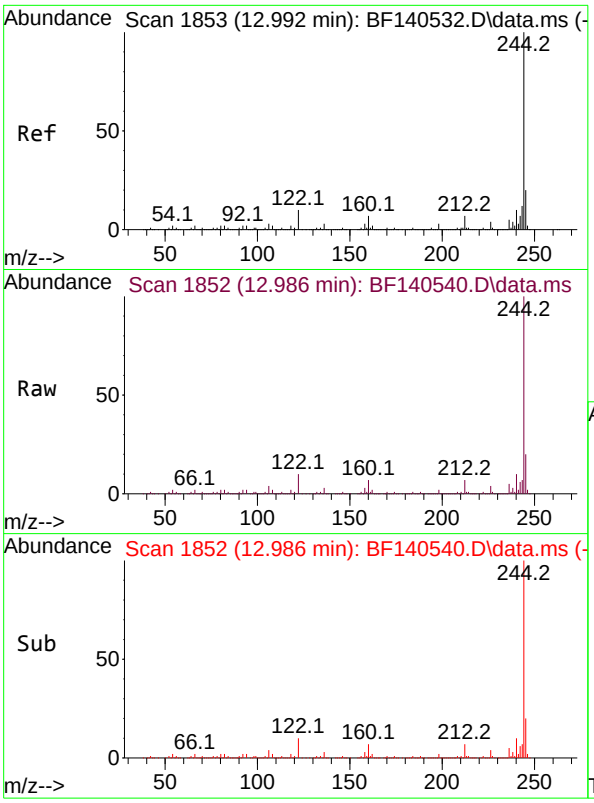


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140540.D
Acq: 21 Nov 2024 17:20

Tgt Ion:240 Resp: 205517

Ion	Ratio	Lower	Upper
240	100		
120	9.4	7.3	10.9
236	26.3	20.6	31.0



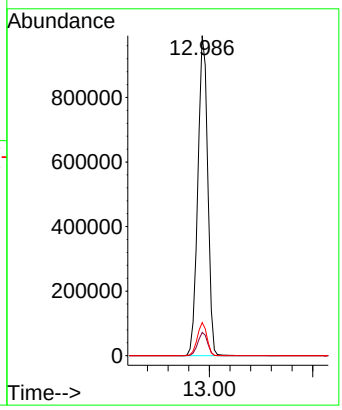


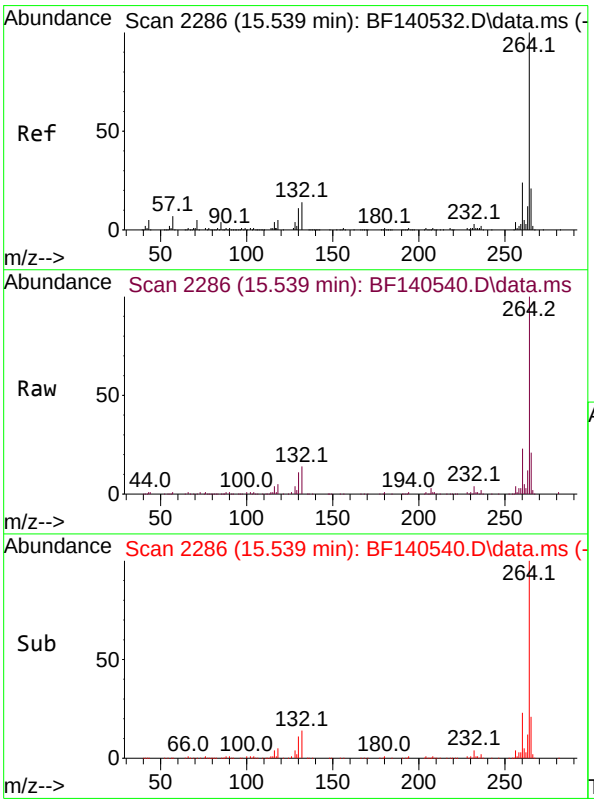
#79
Terphenyl-d14
Concen: 99.390 ng
RT: 12.986 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140540.D
Acq: 21 Nov 2024 17:20

Instrument :
BNA_F
ClientSampleId :
PB165060TB

Tgt Ion:244 Resp: 1311789

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	10.3	8.0	12.0

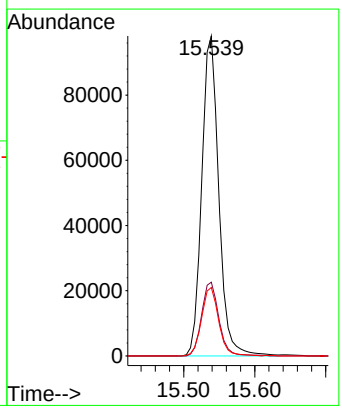




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2286
Delta R.T. -0.000 min
Lab File: BF140540.D
Acq: 21 Nov 2024 17:20

Tgt Ion:264 Resp: 163891

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.0	28.6
265	21.4	16.6	25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
Data File : BF140537.D
Acq On : 21 Nov 2024 15:34
Operator : RC/JU
Sample : PB165144BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165144BL

Quant Time: Nov 21 16:12:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

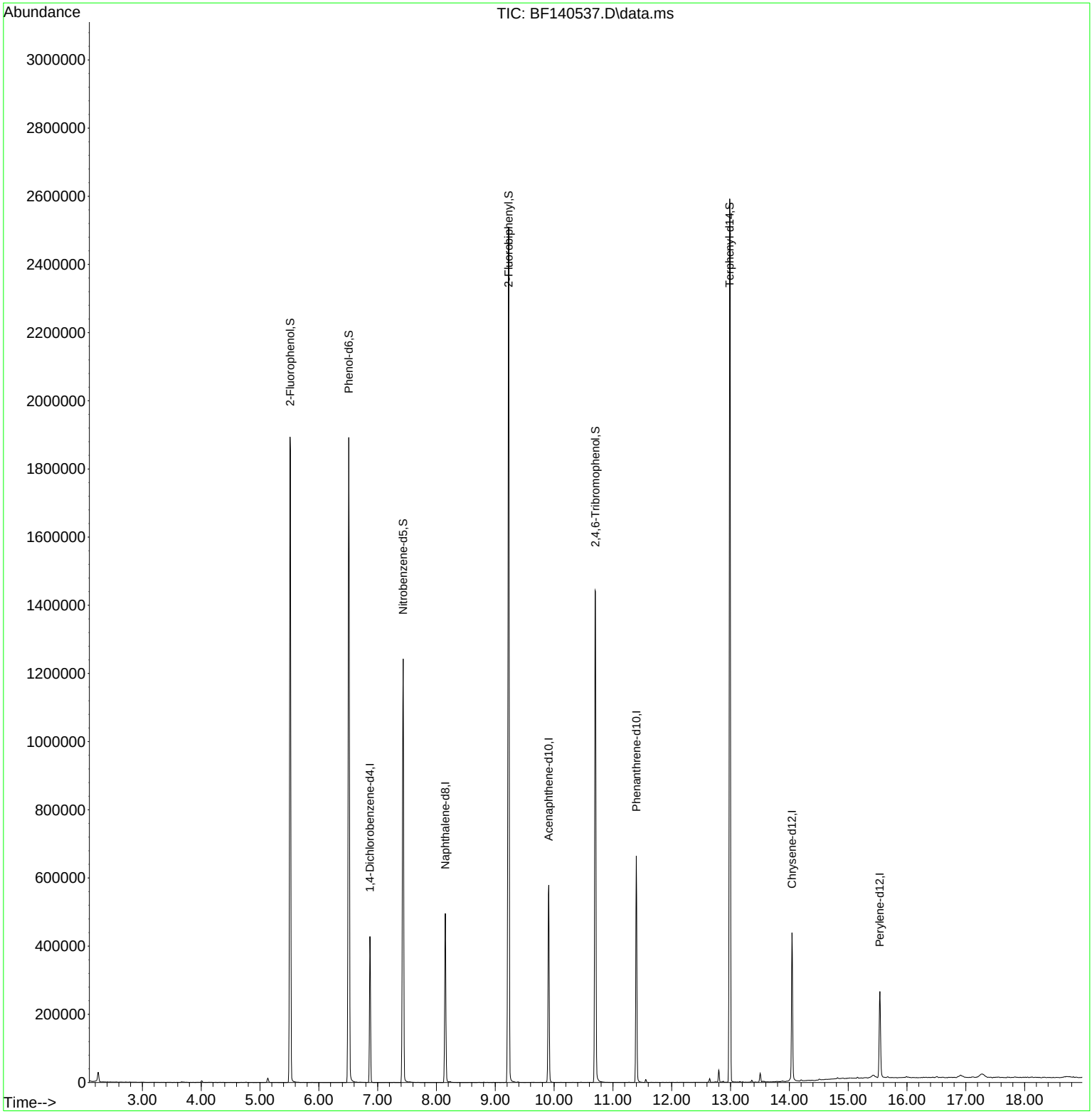
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	89214	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	332852	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	187896	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	359986	20.000	ng	0.00
76) Chrysene-d12	14.045	240	208110	20.000	ng	0.00
86) Perylene-d12	15.539	264	161923	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	726213	138.888	ng	0.02
7) Phenol-d6	6.510	99	933803	135.088	ng	0.00
23) Nitrobenzene-d5	7.433	82	623751	95.854	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	267214	132.971	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1199007	95.077	ng	0.00
79) Terphenyl-d14	12.986	244	1315938	98.462	ng	0.00
Target Compounds						Qvalue

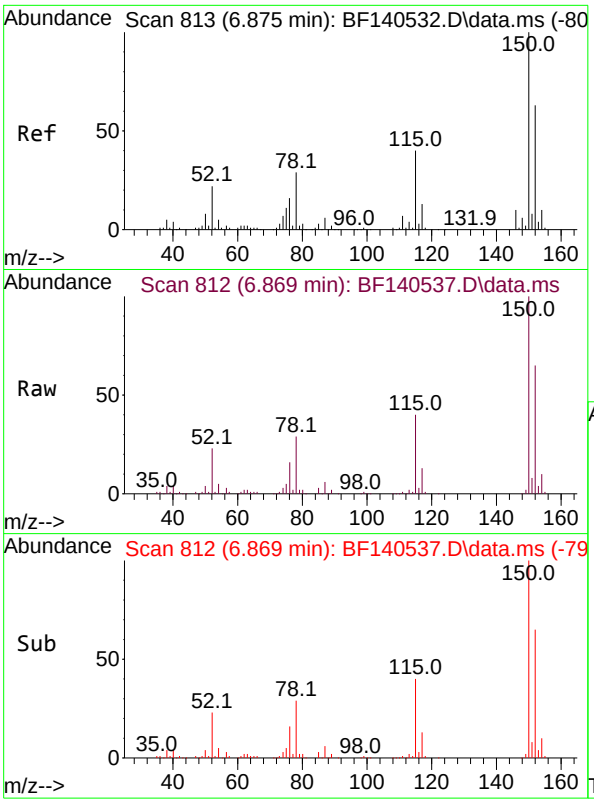
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
Data File : BF140537.D
Acq On : 21 Nov 2024 15:34
Operator : RC/JU
Sample : PB165144BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165144BL

Quant Time: Nov 21 16:12:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



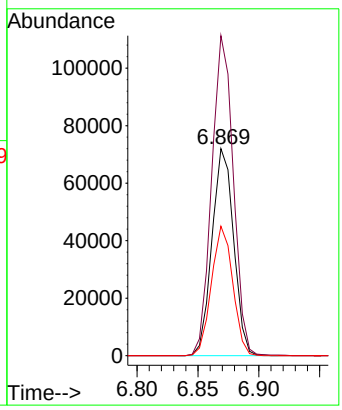


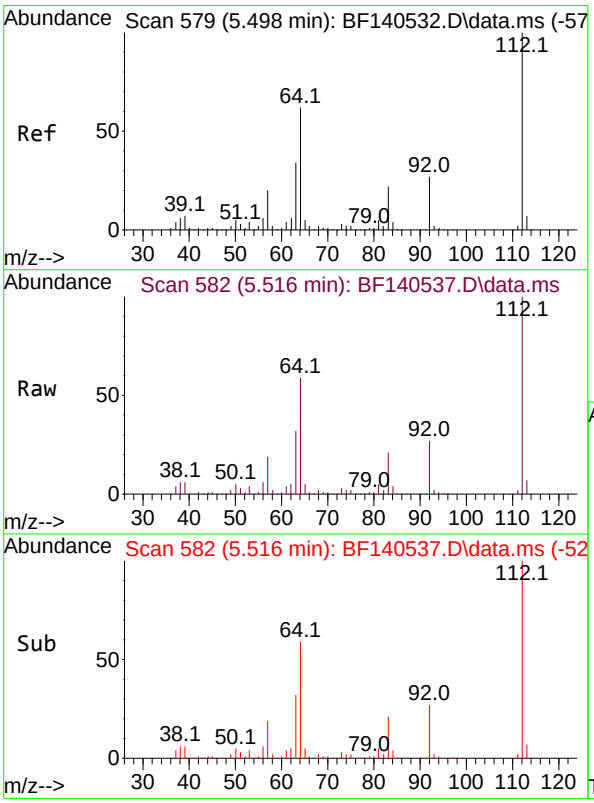
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140537.D
Acq: 21 Nov 2024 15:34

Instrument :
BNA_F
ClientSampleId :
PB165144BL

Tgt Ion:152 Resp: 89214

Ion	Ratio	Lower	Upper
152	100		
150	154.5	128.5	192.7
115	62.5	50.2	75.4

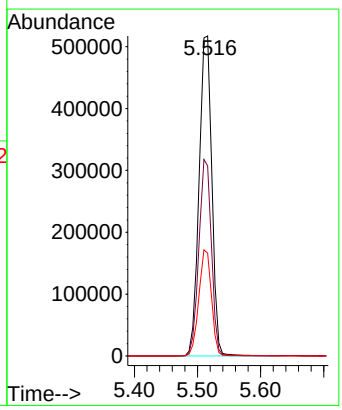


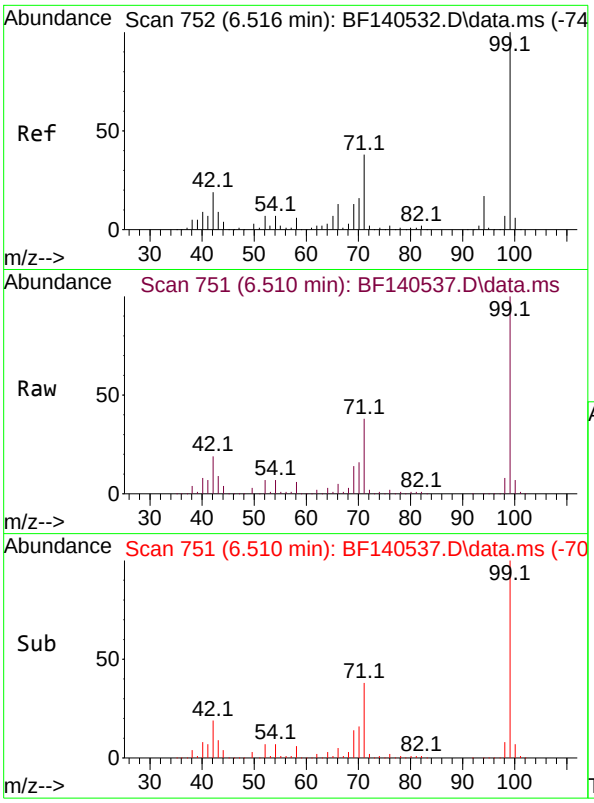


#5
2-Fluorophenol
Concen: 138.888 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.018 min
Lab File: BF140537.D
Acq: 21 Nov 2024 15:34

Tgt Ion:112 Resp: 726213

Ion	Ratio	Lower	Upper
112	100		
64	59.4	49.2	73.8
63	32.1	27.0	40.4



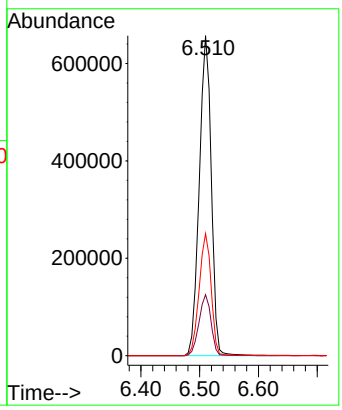


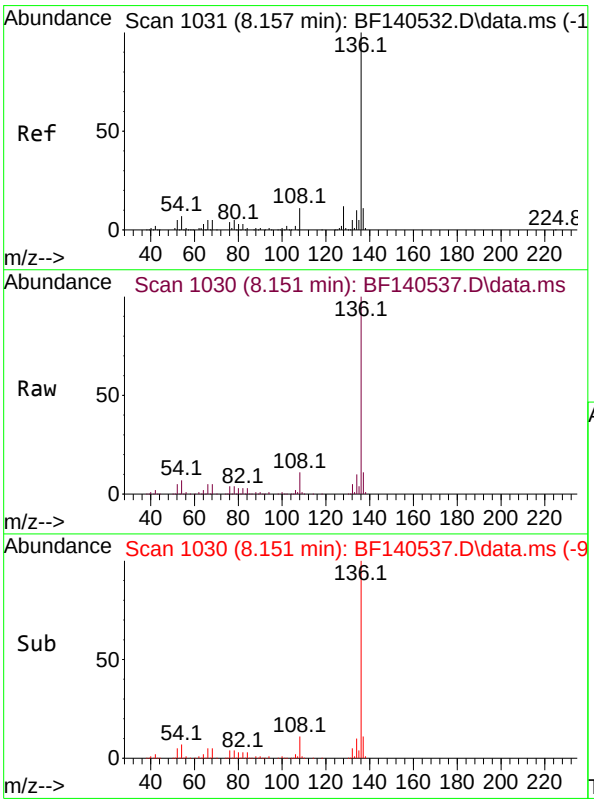
#7
Phenol-d6
Concen: 135.088 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF140537.D
Acq: 21 Nov 2024 15:34

Instrument :
BNA_F
ClientSampleId :
PB165144BL

Tgt Ion: 99 Resp: 933803

Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.4	23.0
71	38.2	30.6	46.0

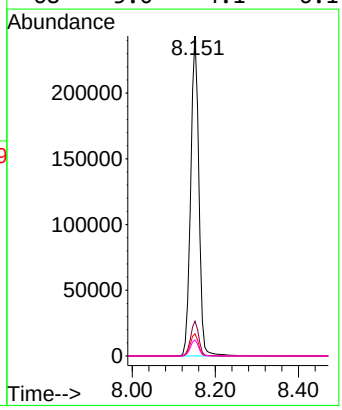


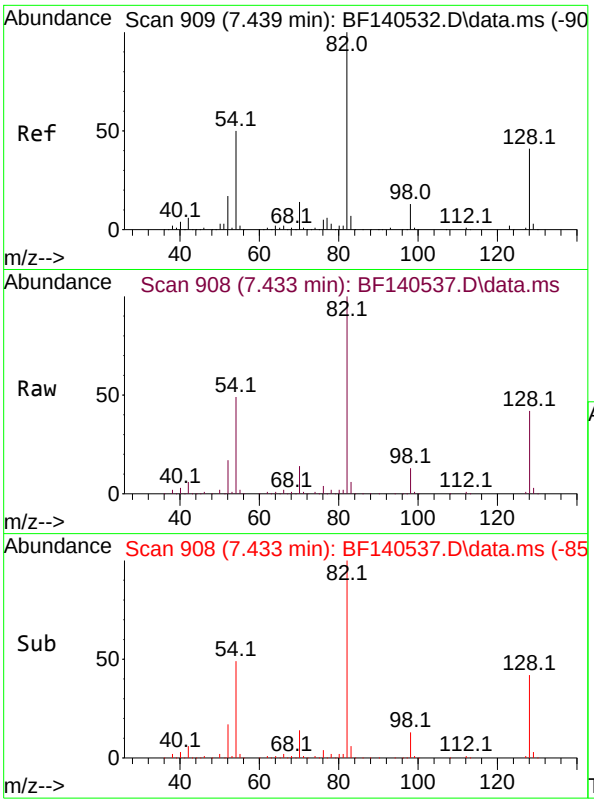


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140537.D
Acq: 21 Nov 2024 15:34

Tgt Ion:136 Resp: 332852

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	6.9	5.8	8.8
68	5.0	4.1	6.1



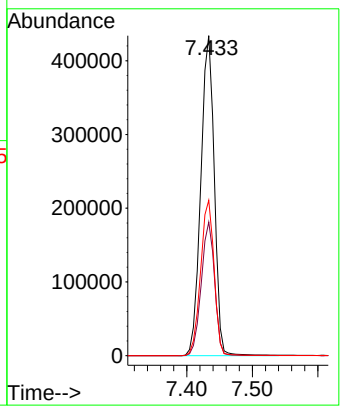


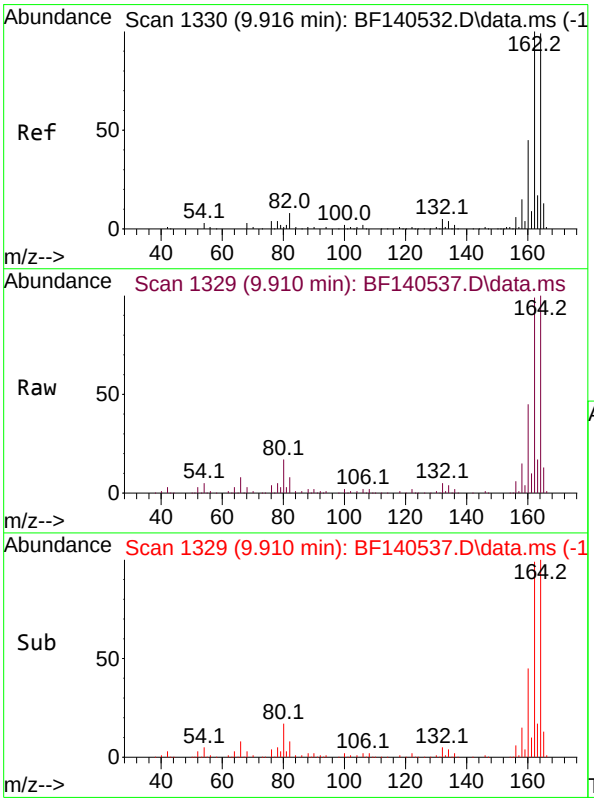
#23
Nitrobenzene-d5
Concen: 95.854 ng
RT: 7.433 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140537.D
Acq: 21 Nov 2024 15:34

Instrument :
BNA_F
ClientSampleId :
PB165144BL

Tgt Ion: 82 Resp: 623751

Ion	Ratio	Lower	Upper
82	100		
128	41.8	33.0	49.4
54	48.5	39.5	59.3

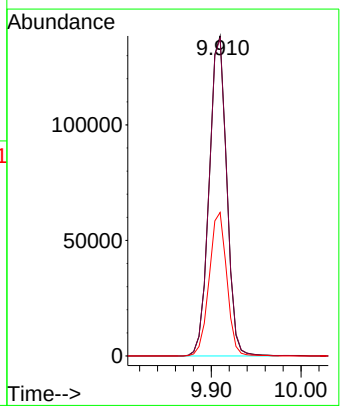


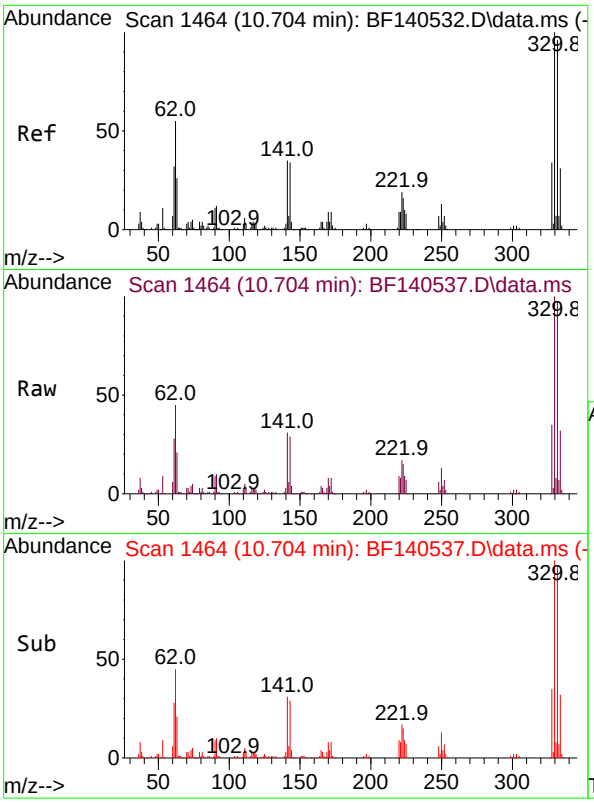


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140537.D
Acq: 21 Nov 2024 15:34

Tgt Ion:164 Resp: 187896

Ion	Ratio	Lower	Upper
164	100		
162	99.3	80.6	120.8
160	44.8	36.2	54.4



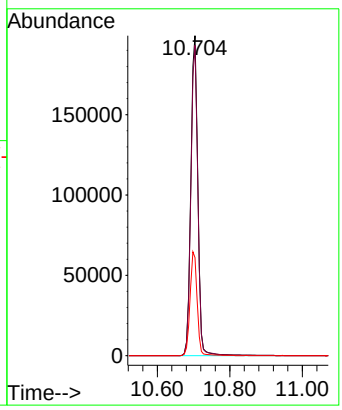


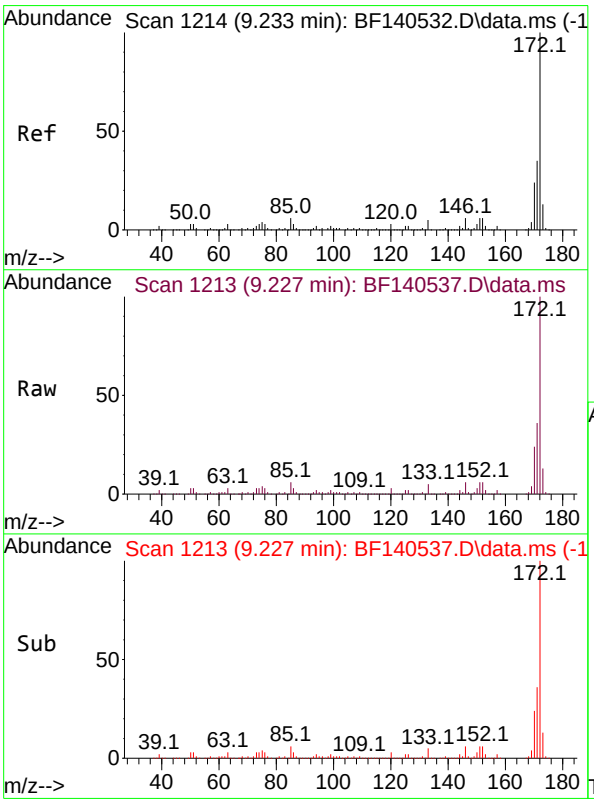
#42
2,4,6-Tribromophenol
Concen: 132.971 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140537.D
Acq: 21 Nov 2024 15:34

Instrument :
BNA_F
ClientSampleId :
PB165144BL

Tgt Ion:330 Resp: 267214

Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.9	115.3
141	32.9	26.7	40.1

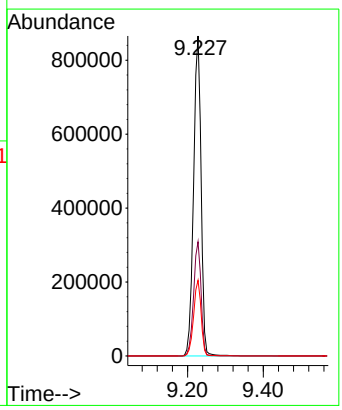


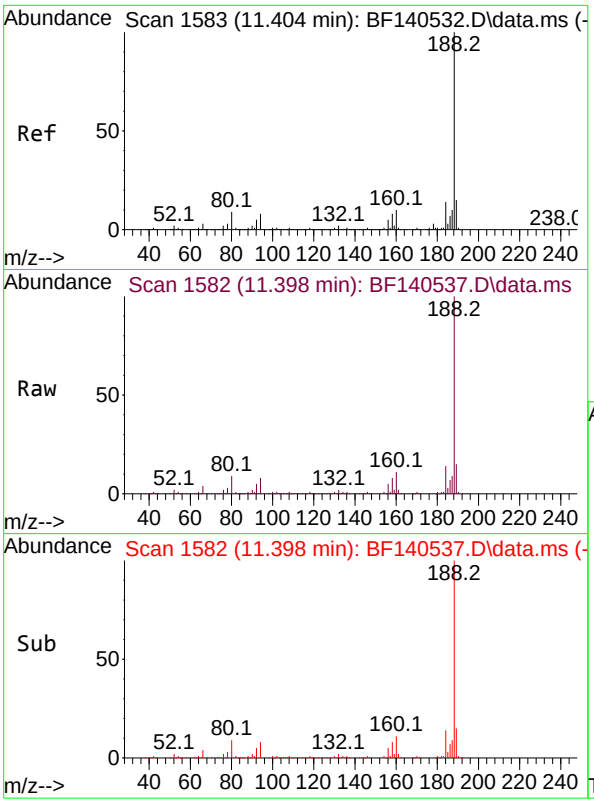


#45
2-Fluorobiphenyl
Concen: 95.077 ng
RT: 9.227 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140537.D
Acq: 21 Nov 2024 15:34

Tgt Ion:172 Resp: 1199007

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.4	42.6
170	23.6	19.0	28.6



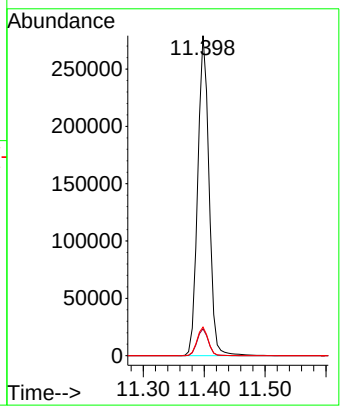


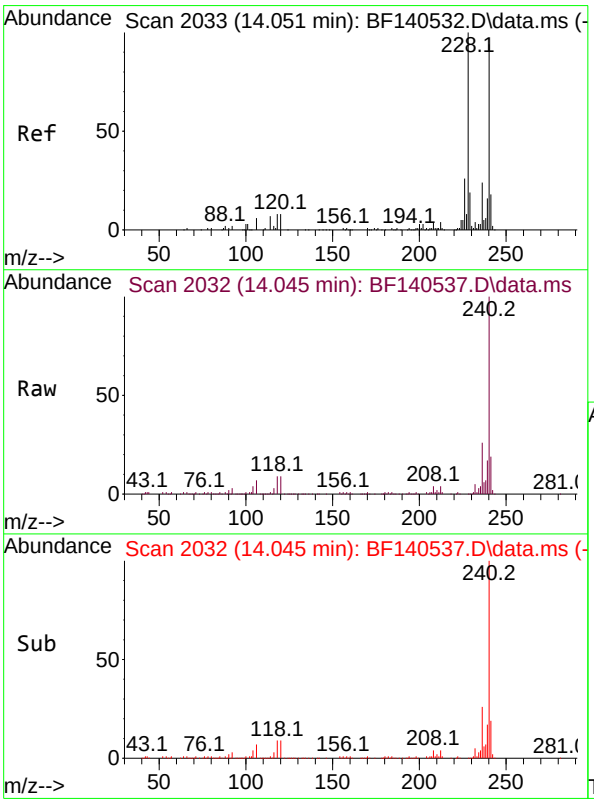
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140537.D
Acq: 21 Nov 2024 15:34

Instrument :
BNA_F
ClientSampleId :
PB165144BL

Tgt Ion:188 Resp: 359986

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.4	9.6
80	8.9	6.9	10.3

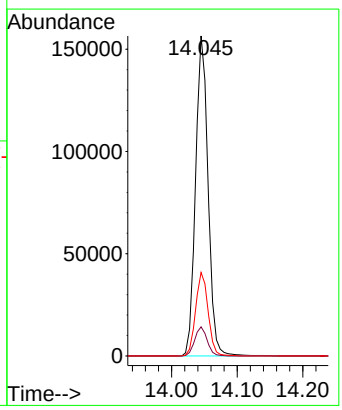


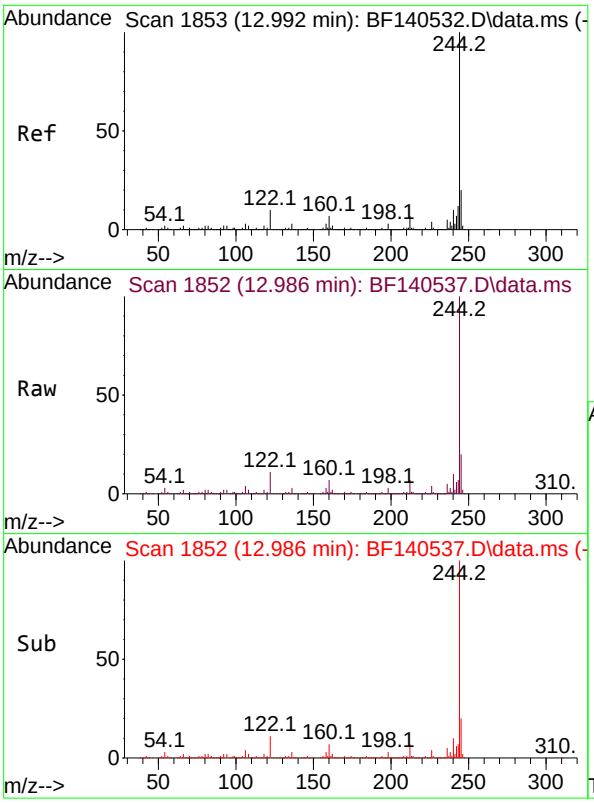


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140537.D
Acq: 21 Nov 2024 15:34

Tgt Ion:240 Resp: 208110

Ion	Ratio	Lower	Upper
240	100		
120	9.1	7.3	10.9
236	26.1	20.6	31.0



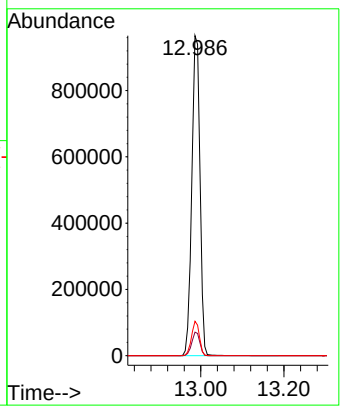


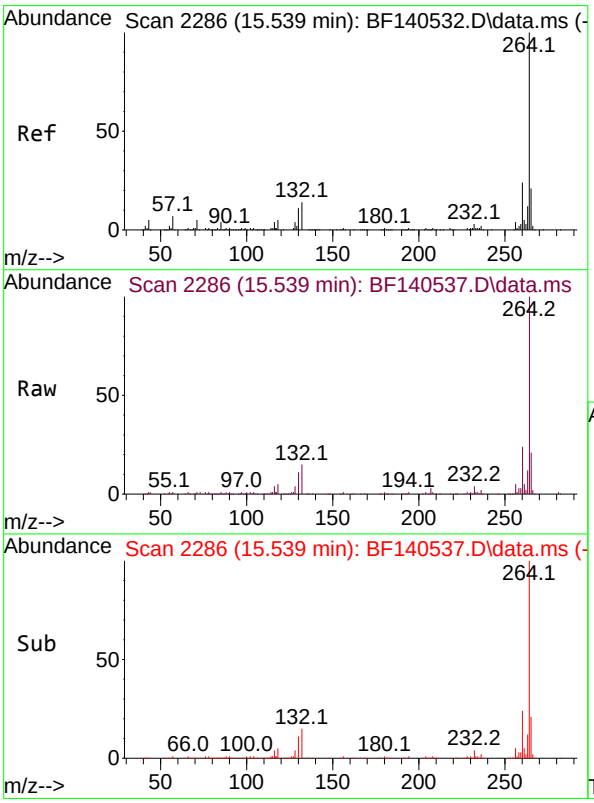
#79
Terphenyl-d14
Concen: 98.462 ng
RT: 12.986 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140537.D
Acq: 21 Nov 2024 15:34

Instrument :
BNA_F
ClientSampleId :
PB165144BL

Tgt Ion:244 Resp: 1315938

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	10.8	8.0	12.0

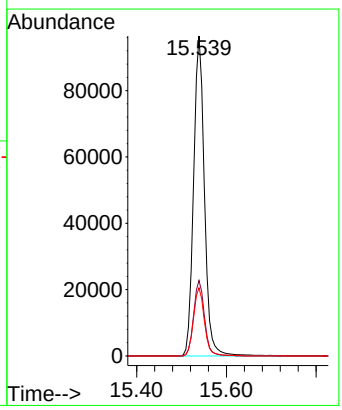




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2286
Delta R.T. -0.000 min
Lab File: BF140537.D
Acq: 21 Nov 2024 15:34

Tgt Ion:264 Resp: 161923

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.6
265	21.3	16.6	25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112724\
Data File : BF140659.D
Acq On : 27 Nov 2024 10:30
Operator : RC/JU
Sample : PB165144BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 27 11:15:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB165144BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.869	152	82046	20.000	ng		0.00
21) Naphthalene-d8	8.151	136	308441	20.000	ng		0.00
39) Acenaphthene-d10	9.910	164	177190	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	338038	20.000	ng		0.00
76) Chrysene-d12	14.051	240	213188	20.000	ng		0.00
86) Perylene-d12	15.545	264	167110	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	660162	137.286	ng		0.01
7) Phenol-d6	6.516	99	860079	135.293	ng		0.00
23) Nitrobenzene-d5	7.434	82	560054	92.876	ng		0.00
42) 2,4,6-Tribromophenol	10.704	330	265293	139.992	ng		0.00
45) 2-Fluorobiphenyl	9.228	172	1089947	91.651	ng		0.00
79) Terphenyl-d14	12.986	244	1256199	91.753	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.728	88	86757	42.911	ng		97
3) Pyridine	3.493	79	220472	49.562	ng		99
4) n-Nitrosodimethylamine	3.446	42	121230	46.369	ng		93
6) Aniline	6.534	93	222514	49.729	ng	#	85
8) 2-Chlorophenol	6.663	128	257589	49.791	ng		95
9) Benzaldehyde	6.422	77	19047	5.660	ng		98
10) Phenol	6.528	94	326867	50.347	ng		99
11) bis(2-Chloroethyl)ether	6.604	93	238808	48.069	ng		99
12) 1,3-Dichlorobenzene	6.810	146	273009	46.965	ng		98
13) 1,4-Dichlorobenzene	6.887	146	274088	46.566	ng		100
14) 1,2-Dichlorobenzene	7.040	146	263879	47.844	ng		100
15) Benzyl Alcohol	7.016	79	237674	50.414	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.140	45	295074	50.275	ng		90
17) 2-Methylphenol	7.128	107	206253	49.804	ng		97
18) Hexachloroethane	7.381	117	102854	46.787	ng		100
19) n-Nitroso-di-n-propyla...	7.281	70	179461	47.766	ng		99
20) 3+4-Methylphenols	7.281	107	261956	49.213	ng		96
22) Acetophenone	7.281	105	355523	47.279	ng		99
24) Nitrobenzene	7.457	77	285464	45.804	ng		97
25) Isophorone	7.693	82	494582	49.174	ng		100
26) 2-Nitrophenol	7.769	139	140191	50.759	ng		96
27) 2,4-Dimethylphenol	7.804	122	209117	63.282	ng		98
28) bis(2-Chloroethoxy)met...	7.898	93	296167	48.336	ng		99
29) 2,4-Dichlorophenol	8.016	162	218763	49.960	ng		98
30) 1,2,4-Trichlorobenzene	8.093	180	229749	45.954	ng		99
31) Naphthalene	8.175	128	765296	48.170	ng		100
32) Benzoic acid	7.940	122	114650	41.088	ng		100
33) 4-Chloroaniline	8.222	127	133189	28.000	ng		97
34) Hexachlorobutadiene	8.287	225	152393	46.020	ng		99
35) Caprolactam	8.598	113	69861m	51.555	ng		
36) 4-Chloro-3-methylphenol	8.716	107	246154	50.209	ng		98
37) 2-Methylnaphthalene	8.863	142	502787	49.825	ng		99
38) 1-Methylnaphthalene	8.963	142	467838	47.298	ng		99
40) 1,2,4,5-Tetrachloroben...	9.034	216	242624	46.773	ng		99
41) Hexachlorocyclopentadiene	9.016	237	200078	163.248	ng		99
43) 2,4,6-Trichlorophenol	9.145	196	156766	48.162	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112724\
Data File : BF140659.D
Acq On : 27 Nov 2024 10:30
Operator : RC/JU
Sample : PB165144BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 27 11:15:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB165144BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	164532	46.576	ng	96
46) 1,1'-Biphenyl	9.328	154	631034	47.700	ng	99
47) 2-Chloronaphthalene	9.357	162	470299	46.917	ng	99
48) 2-Nitroaniline	9.457	65	158673	49.315	ng	96
49) Acenaphthylene	9.769	152	781907	51.626	ng	99
50) Dimethylphthalate	9.628	163	574368	49.219	ng	99
51) 2,6-Dinitrotoluene	9.698	165	125055	47.251	ng	94
52) Acenaphthene	9.945	154	473370	49.189	ng	100
53) 3-Nitroaniline	9.869	138	83776	32.365	ng	96
54) 2,4-Dinitrophenol	9.981	184	120715	87.279	ng	97
55) Dibenzofuran	10.116	168	706974	48.163	ng	99
56) 4-Nitrophenol	10.045	139	168353	95.365	ng	94
57) 2,4-Dinitrotoluene	10.104	165	172553	49.057	ng	97
58) Fluorene	10.457	166	560062	47.534	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	141245	52.026	ng	95
60) Diethylphthalate	10.328	149	565227	47.672	ng	100
61) 4-Chlorophenyl-phenyle...	10.445	204	277803	48.045	ng	99
62) 4-Nitroaniline	10.486	138	130223	47.967	ng	97
63) Azobenzene	10.610	77	541255	48.205	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	94895	54.935	ng	96
66) n-Nitrosodiphenylamine	10.569	169	487573	48.774	ng	100
67) 4-Bromophenyl-phenylether	10.939	248	165350	47.497	ng	98
68) Hexachlorobenzene	11.010	284	189679	47.055	ng	99
69) Atrazine	11.098	200	161923	57.578	ng	98
70) Pentachlorophenol	11.210	266	172264	97.098	ng	99
71) Phenanthrene	11.428	178	808001	49.726	ng	99
72) Anthracene	11.475	178	823351	51.800	ng	99
73) Carbazole	11.633	167	763113	49.906	ng	100
74) Di-n-butylphthalate	11.951	149	868491	49.197	ng	100
75) Fluoranthene	12.616	202	893626	50.652	ng	99
77) Benzidine	12.739	184	184796	29.814	ng	99
78) Pyrene	12.845	202	920263	46.686	ng	100
80) Butylbenzylphthalate	13.457	149	344945	48.577	ng	98
81) Benzo(a)anthracene	14.039	228	712365	50.479	ng	100
82) 3,3'-Dichlorobenzidine	13.998	252	139928	33.025	ng	98
83) Chrysene	14.075	228	656248	50.856	ng	100
84) Bis(2-ethylhexyl)phtha...	14.016	149	455416	50.791	ng	100
85) Di-n-octyl phthalate	14.639	149	659465	53.817	ng	98
87) Indeno(1,2,3-cd)pyrene	17.057	276	548733	50.387	ng	99
88) Benzo(b)fluoranthene	15.110	252	535206	50.989	ng	99
89) Benzo(k)fluoranthene	15.139	252	484597	52.758	ng	100
90) Benzo(a)pyrene	15.480	252	467848	54.819	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	450067	50.463	ng	100
92) Benzo(g,h,i)perylene	17.510	276	423327	46.514	ng	98

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

Sample Results: **BF140659.D**

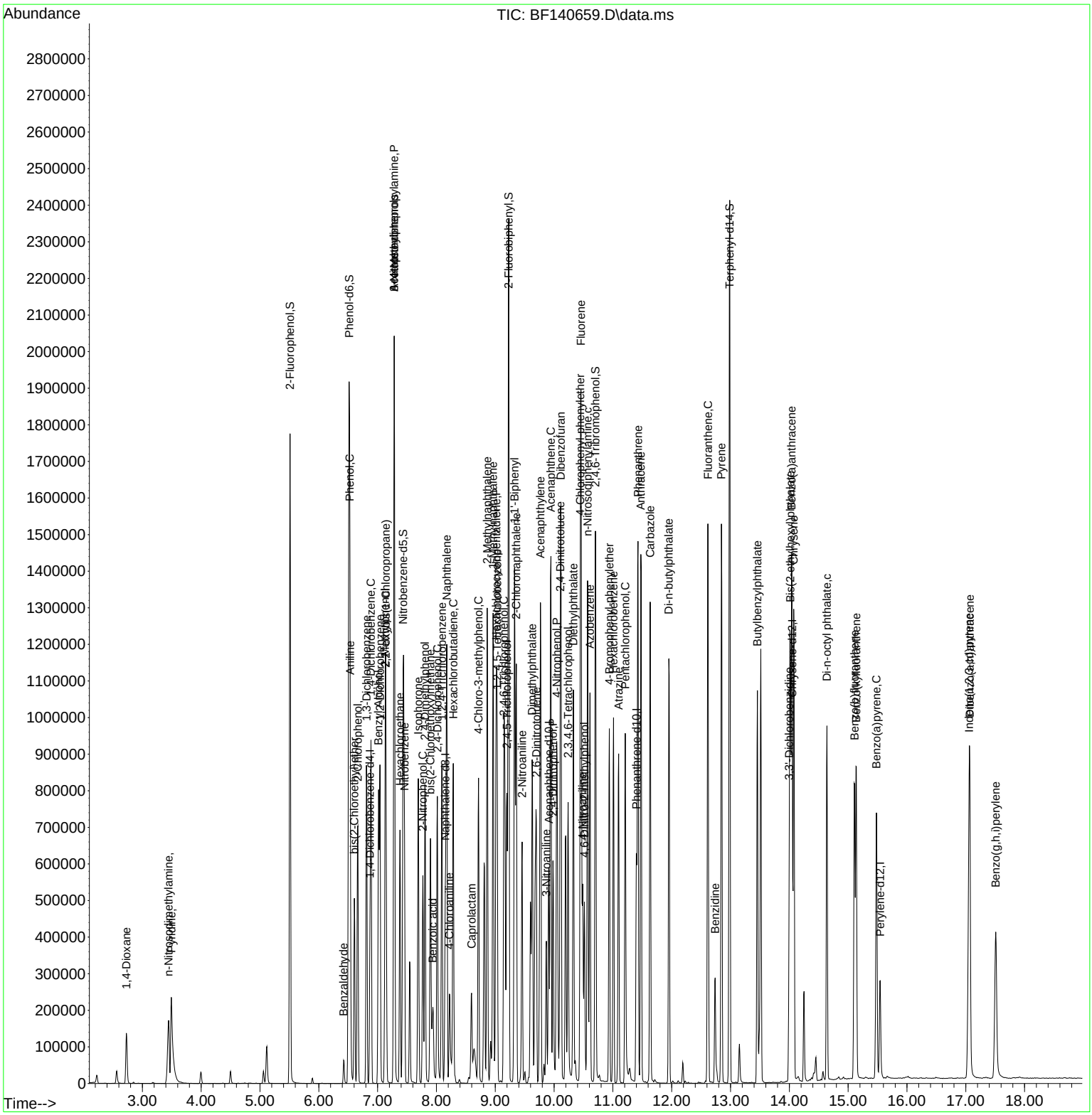
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112724\
Data File : BF140659.D
Acq On : 27 Nov 2024 10:30
Operator : RC/JU
Sample : PB165144BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 27 11:15:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB165144BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/29/2024
Supervised By :mohammad ahmed 11/29/2024



Sample Results: **BF140613.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140613.D
Acq On : 25 Nov 2024 19:52
Operator : RC/JU
Sample : P4892-03MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 26 01:33:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WB-310-BOTMS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.869	152	62131	20.000	ng		0.00
21) Naphthalene-d8	8.151	136	221607	20.000	ng		0.00
39) Acenaphthene-d10	9.910	164	122175	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	233749	20.000	ng		0.00
76) Chrysene-d12	14.045	240	142609	20.000	ng		0.00
86) Perylene-d12	15.539	264	139916	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	480816	132.039	ng		0.00
7) Phenol-d6	6.510	99	577527	119.966	ng		0.00
23) Nitrobenzene-d5	7.434	82	431155	99.517	ng		0.00
42) 2,4,6-Tribromophenol	10.704	330	207310	158.655	ng		0.00
45) 2-Fluorobiphenyl	9.228	172	793877	96.815	ng		0.00
79) Terphenyl-d14	12.980	244	953400	104.101	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.710	88	60736	39.670	ng		98
3) Pyridine	3.469	79	135391	40.192	ng		100
4) n-Nitrosodimethylamine	3.393	42	84881	42.872	ng		94
6) Aniline	6.534	93	98042	28.934	ng	#	70
8) 2-Chlorophenol	6.663	128	180708	46.126	ng		95
9) Benzaldehyde	6.428	77	7314	2.870	ng		96
10) Phenol	6.522	94	207548	42.215	ng		92
11) bis(2-Chloroethyl)ether	6.604	93	165298	43.937	ng		100
12) 1,3-Dichlorobenzene	6.810	146	137092	31.143	ng		99
13) 1,4-Dichlorobenzene	6.887	146	142773	32.032	ng		99
14) 1,2-Dichlorobenzene	7.039	146	143542	34.368	ng		99
15) Benzyl Alcohol	7.016	79	173262	48.531	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.139	45	192626	43.340	ng		88
17) 2-Methylphenol	7.128	107	146144	46.601	ng		99
18) Hexachloroethane	7.381	117	50313	30.223	ng		98
19) n-Nitroso-di-n-propyla...	7.281	70	133035	46.759	ng		98
20) 3+4-Methylphenols	7.281	107	189738	47.071	ng	#	88
22) Acetophenone	7.281	105	258375	47.824	ng		98
24) Nitrobenzene	7.451	77	198594	44.351	ng		99
25) Isophorone	7.692	82	362961	50.228	ng		99
26) 2-Nitrophenol	7.769	139	95271	48.012	ng		99
27) 2,4-Dimethylphenol	7.804	122	151571m	63.841	ng		
28) bis(2-Chloroethoxy)met...	7.898	93	214347	48.690	ng		99
29) 2,4-Dichlorophenol	8.016	162	162076	51.518	ng		97
30) 1,2,4-Trichlorobenzene	8.092	180	148140	41.241	ng		98
31) Naphthalene	8.175	128	509377	44.625	ng		99
32) Benzoic acid	7.928	122	95012	46.288	ng		99
33) 4-Chloroaniline	8.228	127	44466	13.011	ng		97
34) Hexachlorobutadiene	8.286	225	91159	38.315	ng		99
35) Caprolactam	8.586	113	43981m	45.174	ng		
36) 4-Chloro-3-methylphenol	8.710	107	180333	51.197	ng		99
37) 2-Methylnaphthalene	8.863	142	356471	49.167	ng		100
38) 1-Methylnaphthalene	8.963	142	332678	46.813	ng		100
40) 1,2,4,5-Tetrachloroben...	9.028	216	176202	49.264	ng		99
41) Hexachlorocyclopentadiene	9.016	237	131931	156.436	ng		98
43) 2,4,6-Trichlorophenol	9.145	196	115856	51.622	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140613.D
Acq On : 25 Nov 2024 19:52
Operator : RC/JU
Sample : P4892-03MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-310-BOTMS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 26 01:33:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	126594	51.974	ng	98
46) 1,1'-Biphenyl	9.328	154	451328	49.479	ng	99
47) 2-Chloronaphthalene	9.351	162	339951	49.185	ng	99
48) 2-Nitroaniline	9.451	65	121982	54.983	ng	99
49) Acenaphthylene	9.769	152	576890	55.241	ng	99
50) Dimethylphthalate	9.628	163	423095	52.582	ng	100
51) 2,6-Dinitrotoluene	9.692	165	92350	50.606	ng	98
52) Acenaphthene	9.939	154	347150	52.317	ng	99
53) 3-Nitroaniline	9.863	138	40331	22.597	ng	97
54) 2,4-Dinitrophenol	9.975	184	95599	99.083	ng	99
55) Dibenzofuran	10.116	168	529228	52.289	ng	99
56) 4-Nitrophenol	10.039	139	130842	107.491	ng	98
57) 2,4-Dinitrotoluene	10.098	165	131881	54.377	ng	97
58) Fluorene	10.457	166	430529	52.995	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	109906	58.712	ng	95
60) Diethylphthalate	10.328	149	424041	51.869	ng	100
61) 4-Chlorophenyl-phenyle...	10.445	204	207770	52.113	ng	98
62) 4-Nitroaniline	10.480	138	100087	53.467	ng	97
63) Azobenzene	10.610	77	407336	52.614	ng	99
65) 4,6-Dinitro-2-methylph...	10.510	198	69222	57.952	ng	100
66) n-Nitrosodiphenylamine	10.569	169	366728	53.052	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	124486	51.713	ng	96
68) Hexachlorobenzene	11.004	284	143124	51.347	ng	96
69) Atrazine	11.092	200	121415	62.436	ng	99
70) Pentachlorophenol	11.210	266	145390	118.513	ng	99
71) Phenanthrene	11.422	178	627848	55.878	ng	100
72) Anthracene	11.474	178	635239	57.796	ng	100
73) Carbazole	11.633	167	605108	57.229	ng	100
74) Di-n-butylphthalate	11.951	149	666795	54.624	ng	99
75) Fluoranthene	12.616	202	700692	57.436	ng	99
77) Benzidine	12.733	184	73119	17.635	ng	100
78) Pyrene	12.845	202	713798	54.133	ng	99
80) Butylbenzylphthalate	13.457	149	243532	51.269	ng	99
81) Benzo(a)anthracene	14.033	228	503621	53.349	ng	99
82) 3,3'-Dichlorobenzidine	13.998	252	75498	26.637	ng	99
83) Chrysene	14.074	228	474768	55.001	ng	99
84) Bis(2-ethylhexyl)phtha...	14.010	149	312333	52.073	ng	99
85) Di-n-octyl phthalate	14.639	149	448346	54.696	ng	98
87) Indeno(1,2,3-cd)pyrene	17.045	276	520377	57.070	ng	99
88) Benzo(b)fluoranthene	15.104	252	435157	49.515	ng	100
89) Benzo(k)fluoranthene	15.133	252	424758	55.231	ng	100
90) Benzo(a)pyrene	15.474	252	420698	58.875	ng	99
91) Dibenzo(a,h)anthracene	17.056	278	424791	56.886	ng	99
92) Benzo(g,h,i)perylene	17.503	276	386129	50.673	ng	99

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

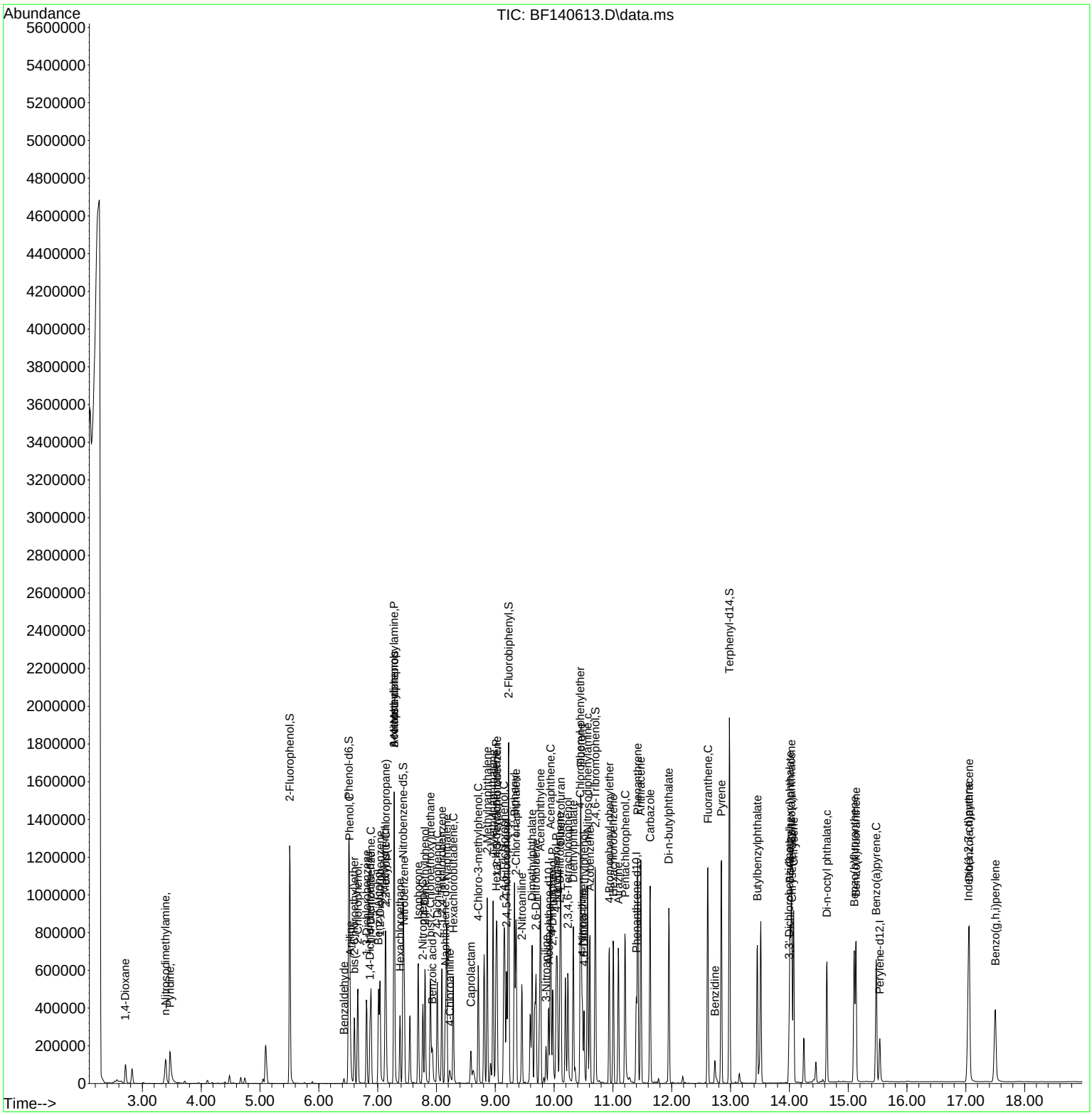
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140613.D
Acq On : 25 Nov 2024 19:52
Operator : RC/JU
Sample : P4892-03MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 26 01:33:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WB-310-BOTMS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



Sample Results: **BF140614.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140614.D
Acq On : 25 Nov 2024 20:18
Operator : RC/JU
Sample : P4892-03MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 26 01:34:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WB-310-BOTMSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.869	152	68388	20.000	ng		0.00
21) Naphthalene-d8	8.151	136	250576	20.000	ng		0.00
39) Acenaphthene-d10	9.910	164	136071	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	265977	20.000	ng		0.00
76) Chrysene-d12	14.045	240	158457	20.000	ng		0.00
86) Perylene-d12	15.545	264	154128	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	487107	121.528	ng		0.00
7) Phenol-d6	6.510	99	588940	111.144	ng		0.00
23) Nitrobenzene-d5	7.433	82	441755	90.176	ng		0.00
42) 2,4,6-Tribromophenol	10.704	330	209536	143.982	ng		0.00
45) 2-Fluorobiphenyl	9.227	172	812987	89.020	ng		0.00
79) Terphenyl-d14	12.980	244	998992	98.169	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.716	88	61794	36.668	ng		98
3) Pyridine	3.469	79	136635	36.850	ng		99
4) n-Nitrosodimethylamine	3.398	42	86359	39.628	ng		94
6) Aniline	6.534	93	100493	26.944	ng	#	75
8) 2-Chlorophenol	6.663	128	180932	41.958	ng		95
9) Benzaldehyde	6.428	77	7953	2.835	ng		97
10) Phenol	6.522	94	207484	38.341	ng		92
11) bis(2-Chloroethyl)ether	6.604	93	170117	41.081	ng		99
12) 1,3-Dichlorobenzene	6.810	146	139108	28.709	ng		99
13) 1,4-Dichlorobenzene	6.886	146	144489	29.451	ng		99
14) 1,2-Dichlorobenzene	7.039	146	143897	31.301	ng		99
15) Benzyl Alcohol	7.016	79	178620	45.455	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.139	45	198751	40.626	ng		91
17) 2-Methylphenol	7.128	107	149816	43.401	ng		97
18) Hexachloroethane	7.381	117	51686	28.207	ng		100
19) n-Nitroso-di-n-propyla...	7.281	70	135806	43.366	ng		98
20) 3+4-Methylphenols	7.281	107	195530	44.070	ng		91
22) Acetophenone	7.281	105	262476	42.966	ng		98
24) Nitrobenzene	7.451	77	204116	40.315	ng		99
25) Isophorone	7.692	82	373232	45.679	ng		99
26) 2-Nitrophenol	7.769	139	97570	43.486	ng		100
27) 2,4-Dimethylphenol	7.804	122	152516m	56.812	ng		
28) bis(2-Chloroethoxy)met...	7.898	93	219376	44.072	ng		99
29) 2,4-Dichlorophenol	8.016	162	165314	46.472	ng		98
30) 1,2,4-Trichlorobenzene	8.092	180	149998	36.931	ng		100
31) Naphthalene	8.175	128	516754	40.037	ng		99
32) Benzoic acid	7.928	122	98272	42.955	ng		99
33) 4-Chloroaniline	8.228	127	47085	12.184	ng		99
34) Hexachlorobutadiene	8.286	225	93509	34.759	ng		99
35) Caprolactam	8.586	113	45577m	41.401	ng		
36) 4-Chloro-3-methylphenol	8.710	107	183294	46.021	ng		98
37) 2-Methylnaphthalene	8.863	142	362690	44.242	ng		100
38) 1-Methylnaphthalene	8.963	142	334560	41.635	ng		99
40) 1,2,4,5-Tetrachloroben...	9.027	216	178801	44.886	ng		99
41) Hexachlorocyclopentadiene	9.016	237	135486	144.814	ng		97
43) 2,4,6-Trichlorophenol	9.145	196	119232	47.701	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140614.D
Acq On : 25 Nov 2024 20:18
Operator : RC/JU
Sample : P4892-03MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-310-BOTMSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 26 01:34:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	129606	47.776	ng	98
46) 1,1'-Biphenyl	9.327	154	464325	45.705	ng	99
47) 2-Chloronaphthalene	9.351	162	345698	44.908	ng	99
48) 2-Nitroaniline	9.451	65	122141	49.433	ng	99
49) Acenaphthylene	9.769	152	583694	50.185	ng	99
50) Dimethylphthalate	9.627	163	443335	49.471	ng	100
51) 2,6-Dinitrotoluene	9.692	165	95189	46.835	ng	96
52) Acenaphthene	9.939	154	355666	48.127	ng	98
53) 3-Nitroaniline	9.863	138	44625	22.449	ng	96
54) 2,4-Dinitrophenol	9.980	184	101741	95.027	ng	96
55) Dibenzofuran	10.116	168	543099	48.180	ng	99
56) 4-Nitrophenol	10.039	139	131867	97.270	ng	98
57) 2,4-Dinitrotoluene	10.098	165	136165	50.410	ng	96
58) Fluorene	10.457	166	432577	47.809	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	115986	55.632	ng	93
60) Diethylphthalate	10.327	149	445170	48.892	ng	100
61) 4-Chlorophenyl-phenyle...	10.445	204	210620	47.433	ng	99
62) 4-Nitroaniline	10.480	138	103456	49.623	ng	98
63) Azobenzene	10.610	77	418948	48.588	ng	99
65) 4,6-Dinitro-2-methylph...	10.510	198	72339	53.224	ng	98
66) n-Nitrosodiphenylamine	10.569	169	380471	48.371	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	125800	45.927	ng	98
68) Hexachlorobenzene	11.010	284	144983	45.712	ng	99
69) Atrazine	11.092	200	125336	56.642	ng	98
70) Pentachlorophenol	11.204	266	150143	107.558	ng	100
71) Phenanthrene	11.421	178	641827	50.201	ng	99
72) Anthracene	11.474	178	654706	52.350	ng	99
73) Carbazole	11.633	167	623193	51.798	ng	99
74) Di-n-butylphthalate	11.951	149	693409	49.921	ng	100
75) Fluoranthene	12.616	202	713438	51.395	ng	100
77) Benzidine	12.733	184	84067	18.247	ng	99
78) Pyrene	12.845	202	734707	50.146	ng	99
80) Butylbenzylphthalate	13.457	149	260689	49.392	ng	100
81) Benzo(a)anthracene	14.039	228	533478	50.860	ng	100
82) 3,3'-Dichlorobenzidine	13.998	252	80889	25.685	ng	96
83) Chrysene	14.074	228	477909	49.828	ng	100
84) Bis(2-ethylhexyl)phtha...	14.015	149	331820	49.789	ng	99
85) Di-n-octyl phthalate	14.645	149	476576	52.325	ng	98
87) Indeno(1,2,3-cd)pyrene	17.056	276	504658	50.243	ng	99
88) Benzo(b)fluoranthene	15.109	252	429558	44.371	ng	99
89) Benzo(k)fluoranthene	15.139	252	442743	52.261	ng	100
90) Benzo(a)pyrene	15.480	252	417691	53.064	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	414830	50.429	ng	99
92) Benzo(g,h,i)perylene	17.509	276	373682	44.517	ng	98

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

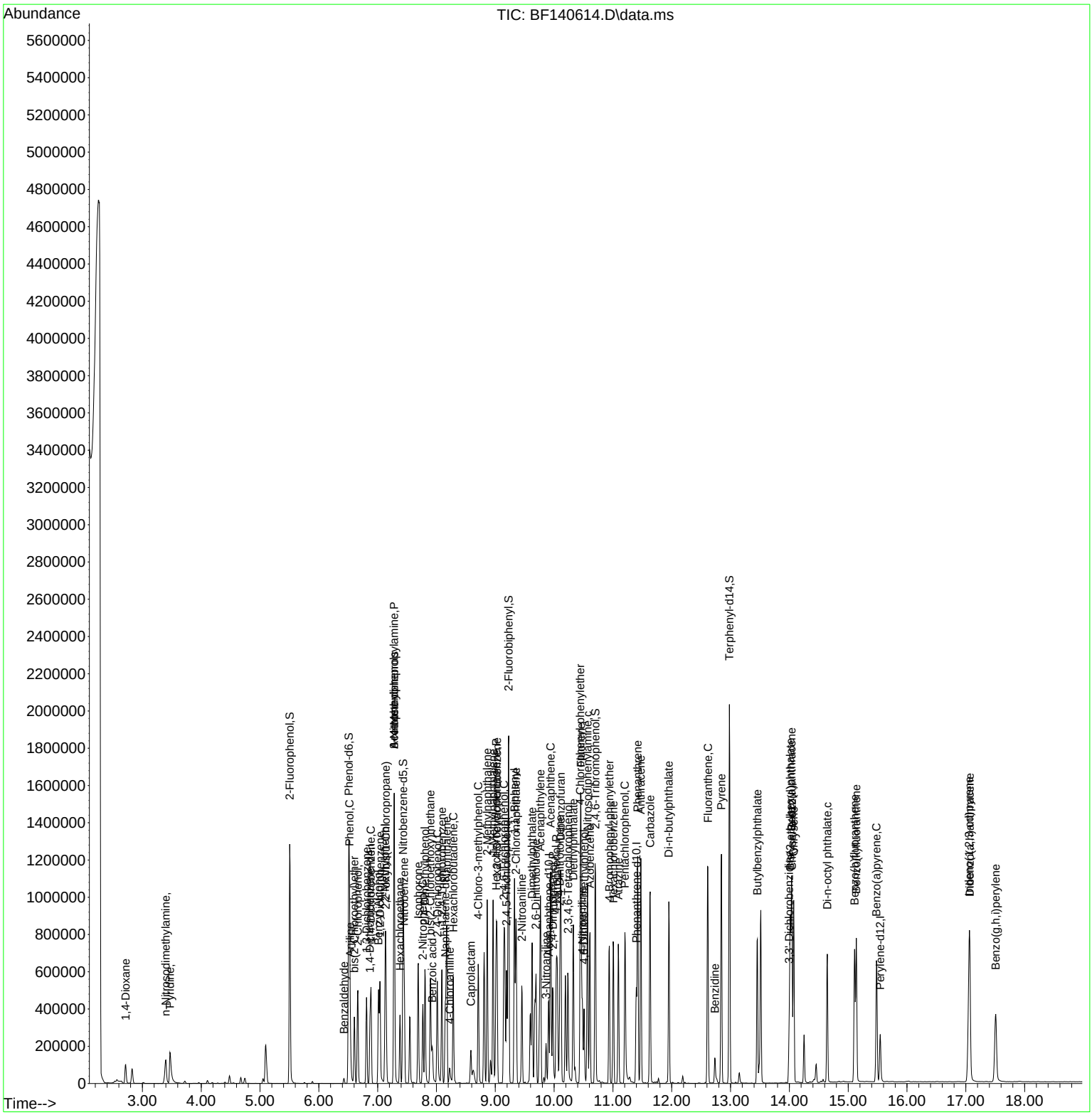
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140614.D
Acq On : 25 Nov 2024 20:18
Operator : RC/JU
Sample : P4892-03MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 26 01:34:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WB-310-BOTMSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



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

Manual Integration Report

Sequence:	BF112124	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF140530.D	Benzoic acid	yogesh	11/22/2024 3:53:18 AM	mohammad	11/27/2024 6:03:59 AM	Peak Integrated by Software
SSTDICC020	BF140531.D	Acenaphthene	yogesh	11/22/2024 3:53:19 AM	mohammad	11/27/2024 6:03:59 AM	Peak Integrated by Software
SSTDICCC040	BF140532.D	Acenaphthene	yogesh	11/22/2024 3:53:21 AM	mohammad	11/27/2024 6:03:59 AM	Peak Integrated by Software
SSTDICV040	BF140536.D	Acenaphthene	yogesh	11/22/2024 3:53:22 AM	mohammad	11/27/2024 6:03:59 AM	Peak Integrated by Software
SSTDCCC040	BF140539.D	2,4-Dimethylphenol	yogesh	11/22/2024 3:53:24 AM	mohammad	11/27/2024 6:03:59 AM	Peak Integrated by Software
SSTDCCC040	BF140539.D	Acenaphthene	yogesh	11/22/2024 3:53:24 AM	mohammad	11/27/2024 6:03:59 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bf112524	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140590.D	2,4-Dimethylphenol	yogesh	11/27/2024 5:26:43 AM	mohammad	11/27/2024 6:04:35 AM	Peak Integrated by Software
SSTDCCC040	BF140604.D	2,4-Dimethylphenol	yogesh	11/27/2024 5:27:03 AM	mohammad	11/27/2024 6:04:35 AM	Peak Integrated by Software
P4892-03MS	BF140613.D	2,4-Dimethylphenol	yogesh	11/27/2024 5:27:11 AM	mohammad	11/27/2024 6:04:35 AM	Peak Integrated by Software
P4892-03MS	BF140613.D	Caprolactam	yogesh	11/27/2024 5:27:11 AM	mohammad	11/27/2024 6:04:35 AM	Peak Integrated by Software
P4892-03MSD	BF140614.D	2,4-Dimethylphenol	yogesh	11/27/2024 5:27:13 AM	mohammad	11/27/2024 6:04:35 AM	Peak Integrated by Software
P4892-03MSD	BF140614.D	Caprolactam	yogesh	11/27/2024 5:27:13 AM	mohammad	11/27/2024 6:04:35 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bf112724	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140655.D	2,4-Dimethylphenol	yogesh	11/29/2024 12:45:59 AM	mohammad	11/29/2024 12:50:46 AM	Peak Integrated by Software
PB165144BS	BF140659.D	Caprolactam	yogesh	11/29/2024 12:46:01 AM	mohammad	11/29/2024 12:50:46 AM	Peak Integrated by Software

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 # BF112124

Review By	yogesh	Review On	11/22/2024 3:53:36 AM				
Supervise By	mohammad	Supervise On	11/27/2024 6:04:00 AM				
SubDirectory	BF112124	HP Acquire Method	BNA_F		HP Processing Method	bf112124	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140526.D	21 Nov 2024 10:17	RC/JU	Ok
2	SSTDCCC040	BF140527.D	21 Nov 2024 10:44	RC/JU	Not Ok
3	SSTDICC2.5	BF140528.D	21 Nov 2024 11:13	RC/JU	Ok
4	SSTDICC005	BF140529.D	21 Nov 2024 11:39	RC/JU	Ok
5	SSTDICC010	BF140530.D	21 Nov 2024 12:05	RC/JU	Ok,M
6	SSTDICC020	BF140531.D	21 Nov 2024 12:32	RC/JU	Ok,M
7	SSTDICCC040	BF140532.D	21 Nov 2024 12:58	RC/JU	Ok,M
8	SSTDICC050	BF140533.D	21 Nov 2024 13:25	RC/JU	Ok
9	SSTDICC060	BF140534.D	21 Nov 2024 13:51	RC/JU	Ok
10	SSTDICC080	BF140535.D	21 Nov 2024 14:18	RC/JU	Ok
11	SSTDICV040	BF140536.D	21 Nov 2024 15:07	RC/JU	Ok,M
12	PB165144BL	BF140537.D	21 Nov 2024 15:34	RC/JU	Ok
13	DFTPP	BF140538.D	21 Nov 2024 16:27	RC/JU	Ok
14	SSTDCCC040	BF140539.D	21 Nov 2024 16:54	RC/JU	Ok,M
15	PB165060TB	BF140540.D	21 Nov 2024 17:20	RC/JU	Ok
16	P4887-06	BF140541.D	21 Nov 2024 17:55	RC/JU	Ok
17	P4887-02	BF140542.D	21 Nov 2024 18:21	RC/JU	Ok
18	P4870-16	BF140543.D	21 Nov 2024 18:48	RC/JU	Ok
19	P4870-15	BF140544.D	21 Nov 2024 19:14	RC/JU	Ok
20	P4870-14	BF140545.D	21 Nov 2024 19:40	RC/JU	Ok
21	P4870-13	BF140546.D	21 Nov 2024 20:07	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112124

Review By	yogesh	Review On	11/22/2024 3:53:36 AM				
Supervise By	mohammad	Supervise On	11/27/2024 6:04:00 AM				
SubDirectory	BF112124	HP Acquire Method	BNA_F		HP Processing Method	bf112124	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4929-02	BF140547.D	21 Nov 2024 20:33	RC/JU	Ok
23	P4924-04	BF140548.D	21 Nov 2024 20:59	RC/JU	Ok
24	P4921-01	BF140549.D	21 Nov 2024 21:25	RC/JU	Ok
25	P4916-12	BF140550.D	21 Nov 2024 21:51	RC/JU	Ok
26	P4916-08	BF140551.D	21 Nov 2024 22:18	RC/JU	Ok
27	P4916-04	BF140552.D	21 Nov 2024 22:44	RC/JU	Ok
28	P4887-01	BF140553.D	21 Nov 2024 23:10	RC/JU	Ok
29	P4916-09	BF140554.D	21 Nov 2024 23:36	RC/JU	Ok
30	P4916-09MS	BF140555.D	22 Nov 2024 00:02	RC/JU	Ok,M
31	P4916-09MSD	BF140556.D	22 Nov 2024 00:28	RC/JU	Ok,M
32	P4916-01	BF140557.D	22 Nov 2024 00:54	RC/JU	Ok
33	P4916-05RE	BF140558.D	22 Nov 2024 01:21	RC/JU	Confirms
34	P4887-05RE	BF140559.D	22 Nov 2024 01:47	RC/JU	Confirms
35	P4924-01	BF140560.D	22 Nov 2024 02:13	RC/JU	ReRun
36	P4936-01	BF140561.D	22 Nov 2024 02:39	RC/JU	Ok,M
37	P4929-01	BF140562.D	22 Nov 2024 03:06	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112524

Review By	yogesh	Review On	11/27/2024 5:27:46 AM				
Supervise By	mohammad	Supervise On	11/27/2024 6:04:35 AM				
SubDirectory	BF112524	HP Acquire Method	BNA_F		HP Processing Method	bf112124	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12330,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140589.D	25 Nov 2024 09:07	RC/JU	Ok
2	SSTDCCC040	BF140590.D	25 Nov 2024 09:33	RC/JU	Ok,M
3	PB165123TB	BF140591.D	25 Nov 2024 09:59	RC/JU	Ok
4	PB165155BS	BF140592.D	25 Nov 2024 10:25	RC/JU	Ok,M
5	PB165155BL	BF140593.D	25 Nov 2024 10:51	RC/JU	Ok
6	PB165086BS	BF140594.D	25 Nov 2024 11:17	RC/JU	Ok,M
7	PB165111TB	BF140595.D	25 Nov 2024 11:43	RC/JU	Ok
8	PB165052BS	BF140596.D	25 Nov 2024 12:09	RC/JU	Ok,M
9	PB164986TB	BF140597.D	25 Nov 2024 12:36	RC/JU	Ok
10	PB165152BS	BF140598.D	25 Nov 2024 13:02	RC/JU	Ok,M
11	PB164886TB	BF140599.D	25 Nov 2024 13:27	RC/JU	Ok
12	PB165152BSD	BF140600.D	25 Nov 2024 13:54	RC/JU	Ok,M
13	PB165152BL	BF140601.D	25 Nov 2024 14:28	RC/JU	Ok
14	PB165185BS	BF140602.D	25 Nov 2024 14:54	RC/JU	Ok,M
15	DFTPP	BF140603.D	25 Nov 2024 15:23	RC/JU	Ok
16	SSTDCCC040	BF140604.D	25 Nov 2024 15:49	RC/JU	Ok,M
17	PB165052BL	BF140605.D	25 Nov 2024 16:17	RC/JU	Ok
18	P4947-01	BF140606.D	25 Nov 2024 16:49	RC/JU	Ok
19	P4892-04	BF140607.D	25 Nov 2024 17:15	RC/JU	Ok
20	P4860-09	BF140608.D	25 Nov 2024 17:41	RC/JU	Ok
21	P4860-01	BF140609.D	25 Nov 2024 18:07	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112524

Review By	yogesh	Review On	11/27/2024 5:27:46 AM		
Supervise By	mohammad	Supervise On	11/27/2024 6:04:35 AM		
SubDirectory	BF112524	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12330,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4960-01	BF140610.D	25 Nov 2024 18:34	RC/JU	Ok
23	P4960-05	BF140611.D	25 Nov 2024 19:00	RC/JU	Ok
24	P4892-03	BF140612.D	25 Nov 2024 19:26	RC/JU	Ok
25	P4892-03MS	BF140613.D	25 Nov 2024 19:52	RC/JU	Ok,M
26	P4892-03MSD	BF140614.D	25 Nov 2024 20:18	RC/JU	Ok,M
27	P4860-06	BF140615.D	25 Nov 2024 20:45	RC/JU	Ok
28	P4860-09MS	BF140616.D	25 Nov 2024 21:11	RC/JU	Not Ok
29	P4860-09MSD	BF140617.D	25 Nov 2024 21:37	RC/JU	Not Ok
30	P4960-03	BF140618.D	25 Nov 2024 22:03	RC/JU	ReRun
31	P4860-10	BF140619.D	25 Nov 2024 22:29	RC/JU	ReRun
32	P4860-04	BF140620.D	25 Nov 2024 22:55	RC/JU	Ok
33	P4860-07	BF140621.D	25 Nov 2024 23:22	RC/JU	Ok
34	P4860-03	BF140622.D	25 Nov 2024 23:48	RC/JU	Ok
35	P4951-01	BF140623.D	26 Nov 2024 00:14	RC/JU	ReRun
36	P4954-01	BF140624.D	26 Nov 2024 00:40	RC/JU	Ok,M
37	P4954-01MS	BF140625.D	26 Nov 2024 01:06	RC/JU	Ok,M
38	P4954-01MSD	BF140626.D	26 Nov 2024 01:32	RC/JU	Ok,M
39	P4954-03	BF140627.D	26 Nov 2024 01:58	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112724

Review By	yogesh	Review On	11/29/2024 12:46:43 AM				
Supervise By	mohammad	Supervise On	11/29/2024 12:50:46 AM				
SubDirectory	BF112724	HP Acquire Method	BNA_F		HP Processing Method	bf112124	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12330,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140654.D	27 Nov 2024 08:19	RC/JU	Ok
2	SSTDCCC040	BF140655.D	27 Nov 2024 08:47	RC/JU	Ok,M
3	PB165255BL	BF140656.D	27 Nov 2024 09:13	RC/JU	Ok
4	PB165255BS	BF140657.D	27 Nov 2024 09:38	RC/JU	Ok,M
5	PB165269BL	BF140658.D	27 Nov 2024 10:05	RC/JU	Ok
6	PB165144BS	BF140659.D	27 Nov 2024 10:30	RC/JU	Ok,M
7	PB165159TB	BF140660.D	27 Nov 2024 10:56	RC/JU	Ok
8	PB165269BS	BF140661.D	27 Nov 2024 11:22	RC/JU	Ok,M
9	PB165252TB	BF140662.D	27 Nov 2024 11:48	RC/JU	Ok
10	P4985-08	BF140663.D	27 Nov 2024 12:19	RC/JU	Ok
11	P4938-04	BF140664.D	27 Nov 2024 12:45	RC/JU	Ok
12	P4938-04MS	BF140665.D	27 Nov 2024 13:11	RC/JU	Ok,M
13	P4938-04MSD	BF140666.D	27 Nov 2024 13:38	RC/JU	Ok,M
14	P4985-01	BF140667.D	27 Nov 2024 14:04	RC/JU	Ok
15	P4985-01MS	BF140668.D	27 Nov 2024 14:30	RC/JU	Not Ok
16	P4985-01MSD	BF140669.D	27 Nov 2024 14:55	RC/JU	Not Ok
17	P4985-04	BF140670.D	27 Nov 2024 15:22	RC/JU	Ok
18	P4938-08	BF140671.D	27 Nov 2024 15:48	RC/JU	Ok
19	P4995-02	BF140672.D	27 Nov 2024 16:14	RC/JU	Ok
20	P5000-04	BF140673.D	27 Nov 2024 16:40	RC/JU	Ok
21	P5000-08	BF140674.D	27 Nov 2024 17:06	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112724

Review By	yogesh	Review On	11/29/2024 12:46:43 AM				
Supervise By	mohammad	Supervise On	11/29/2024 12:50:46 AM				
SubDirectory	BF112724	HP Acquire Method	BNA_F		HP Processing Method	bf112124	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12330,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4985-05	BF140675.D	27 Nov 2024 17:32	RC/JU	Ok
23	P5005-01	BF140676.D	27 Nov 2024 17:58	RC/JU	Ok,M
24	P5005-01MS	BF140677.D	27 Nov 2024 18:24	RC/JU	Ok,M
25	P5005-01MSD	BF140678.D	27 Nov 2024 18:50	RC/JU	Ok,M
26	P5019-01	BF140679.D	27 Nov 2024 19:16	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112124

Review By	yogesh	Review On	11/22/2024 3:53:36 AM				
Supervise By	mohammad	Supervise On	11/27/2024 6:04:00 AM				
SubDirectory	BF112124	HP Acquire Method	BNA_F	HP Processing Method	bf112124		

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/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	BF140526.D	21 Nov 2024 10:17		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140527.D	21 Nov 2024 10:44	A Fresh Calibration is required.	RC/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BF140528.D	21 Nov 2024 11:13		RC/JU	Ok
4	SSTDICC005	SSTDICC005	BF140529.D	21 Nov 2024 11:39	Compound#9,32,41,54,56,65,70 removed from 5 ppm	RC/JU	Ok
5	SSTDICC010	SSTDICC010	BF140530.D	21 Nov 2024 12:05		RC/JU	Ok,M
6	SSTDICC020	SSTDICC020	BF140531.D	21 Nov 2024 12:32	Compound#32,41,54 Kept on LR	RC/JU	Ok,M
7	SSTDICCC040	SSTDICCC040	BF140532.D	21 Nov 2024 12:58	Calibration failed for Benzidine	RC/JU	Ok,M
8	SSTDICC050	SSTDICC050	BF140533.D	21 Nov 2024 13:25	The Calibration is Good For 8270 DOD Except com#77 and good for 625.1 Method Except com#77	RC/JU	Ok
9	SSTDICC060	SSTDICC060	BF140534.D	21 Nov 2024 13:51		RC/JU	Ok
10	SSTDICC080	SSTDICC080	BF140535.D	21 Nov 2024 14:18	Compound#9 removed from 80 ppm	RC/JU	Ok
11	SSTDICV040	ICVBF112124	BF140536.D	21 Nov 2024 15:07		RC/JU	Ok,M
12	PB165144BL	PB165144BL	BF140537.D	21 Nov 2024 15:34		RC/JU	Ok
13	DFTPP	DFTPP	BF140538.D	21 Nov 2024 16:27		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF140539.D	21 Nov 2024 16:54		RC/JU	Ok,M
15	PB165060TB	PB165060TB	BF140540.D	21 Nov 2024 17:20		RC/JU	Ok
16	P4887-06	MH-760	BF140541.D	21 Nov 2024 17:55		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112124

Review By	yogesh	Review On	11/22/2024 3:53:36 AM		
Supervise By	mohammad	Supervise On	11/27/2024 6:04:00 AM		
SubDirectory	BF112124	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	P4887-02	MH-739	BF140542.D	21 Nov 2024 18:21		RC/JU	Ok
18	P4870-16	TP-15	BF140543.D	21 Nov 2024 18:48		RC/JU	Ok
19	P4870-15	MH-736	BF140544.D	21 Nov 2024 19:14		RC/JU	Ok
20	P4870-14	MH-735	BF140545.D	21 Nov 2024 19:40		RC/JU	Ok
21	P4870-13	TP-1	BF140546.D	21 Nov 2024 20:07		RC/JU	Ok
22	P4929-02	ARS520	BF140547.D	21 Nov 2024 20:33		RC/JU	Ok
23	P4924-04	MH-4	BF140548.D	21 Nov 2024 20:59		RC/JU	Ok
24	P4921-01	WC-11-A-202411	BF140549.D	21 Nov 2024 21:25		RC/JU	Ok
25	P4916-12	TP-3-WC	BF140550.D	21 Nov 2024 21:51		RC/JU	Ok
26	P4916-08	TP-2-WC	BF140551.D	21 Nov 2024 22:18		RC/JU	Ok
27	P4916-04	TP-1-WC	BF140552.D	21 Nov 2024 22:44		RC/JU	Ok
28	P4887-01	MH-739	BF140553.D	21 Nov 2024 23:10		RC/JU	Ok
29	P4916-09	TP-3-WC	BF140554.D	21 Nov 2024 23:36		RC/JU	Ok
30	P4916-09MS	TP-3-WCMS	BF140555.D	22 Nov 2024 00:02		RC/JU	Ok,M
31	P4916-09MSD	TP-3-WCMSD	BF140556.D	22 Nov 2024 00:28		RC/JU	Ok,M
32	P4916-01	TP-1-WC	BF140557.D	22 Nov 2024 00:54		RC/JU	Ok
33	P4916-05RE	TP-2-WCRE	BF140558.D	22 Nov 2024 01:21	Internal Standard Fail	RC/JU	Confirms
34	P4887-05RE	MH-760RE	BF140559.D	22 Nov 2024 01:47	Internal Standard Fail	RC/JU	Confirms
35	P4924-01	MH-4	BF140560.D	22 Nov 2024 02:13	Internal Standard Fail	RC/JU	ReRun

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112124

Review By	yogesh	Review On	11/22/2024 3:53:36 AM		
Supervise By	mohammad	Supervise On	11/27/2024 6:04:00 AM		
SubDirectory	BF112124	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

36	P4936-01	PL-01-11202024	BF140561.D	22 Nov 2024 02:39	Internal Standard Fail	RC/JU	Ok,M
37	P4929-01	ARS520	BF140562.D	22 Nov 2024 03:06	Internal Standard Fail	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112524

Review By	yogesh	Review On	11/27/2024 5:27:46 AM		
Supervise By	mohammad	Supervise On	11/27/2024 6:04:35 AM		
SubDirectory	BF112524	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12330,10ul/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	BF140589.D	25 Nov 2024 09:07		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140590.D	25 Nov 2024 09:33		RC/JU	Ok,M
3	PB165123TB	PB165123TB	BF140591.D	25 Nov 2024 09:59		RC/JU	Ok
4	PB165155BS	PB165155BS	BF140592.D	25 Nov 2024 10:25		RC/JU	Ok,M
5	PB165155BL	PB165155BL	BF140593.D	25 Nov 2024 10:51		RC/JU	Ok
6	PB165086BS	PB165086BS	BF140594.D	25 Nov 2024 11:17		RC/JU	Ok,M
7	PB165111TB	PB165111TB	BF140595.D	25 Nov 2024 11:43		RC/JU	Ok
8	PB165052BS	PB165052BS	BF140596.D	25 Nov 2024 12:09		RC/JU	Ok,M
9	PB164986TB	PB164986TB	BF140597.D	25 Nov 2024 12:36		RC/JU	Ok
10	PB165152BS	PB165152BS	BF140598.D	25 Nov 2024 13:02		RC/JU	Ok,M
11	PB164886TB	PB164886TB	BF140599.D	25 Nov 2024 13:27		RC/JU	Ok
12	PB165152BSD	PB165152BSD	BF140600.D	25 Nov 2024 13:54		RC/JU	Ok,M
13	PB165152BL	PB165152BL	BF140601.D	25 Nov 2024 14:28		RC/JU	Ok
14	PB165185BS	PB165185BS	BF140602.D	25 Nov 2024 14:54		RC/JU	Ok,M
15	DFTPP	DFTPP	BF140603.D	25 Nov 2024 15:23		RC/JU	Ok
16	SSTDCCC040	SSTDCCC040	BF140604.D	25 Nov 2024 15:49		RC/JU	Ok,M
17	PB165052BL	PB165052BL	BF140605.D	25 Nov 2024 16:17		RC/JU	Ok
18	P4947-01	A3988	BF140606.D	25 Nov 2024 16:49		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112524

Review By	yogesh	Review On	11/27/2024 5:27:46 AM		
Supervise By	mohammad	Supervise On	11/27/2024 6:04:35 AM		
SubDirectory	BF112524	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12330,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4892-04	WB-310-SW	BF140607.D	25 Nov 2024 17:15		RC/JU	Ok
20	P4860-09	PH2-BOT-006	BF140608.D	25 Nov 2024 17:41		RC/JU	Ok
21	P4860-01	DUP-01	BF140609.D	25 Nov 2024 18:07		RC/JU	Ok
22	P4960-01	B1	BF140610.D	25 Nov 2024 18:34		RC/JU	Ok
23	P4960-05	SW3	BF140611.D	25 Nov 2024 19:00		RC/JU	Ok
24	P4892-03	WB-310-BOT	BF140612.D	25 Nov 2024 19:26		RC/JU	Ok
25	P4892-03MS	WB-310-BOTMS	BF140613.D	25 Nov 2024 19:52		RC/JU	Ok,M
26	P4892-03MSD	WB-310-BOTMSD	BF140614.D	25 Nov 2024 20:18		RC/JU	Ok,M
27	P4860-06	PH2-BOT-009	BF140615.D	25 Nov 2024 20:45		RC/JU	Ok
28	P4860-09MS	PH2-BOT-006MS	BF140616.D	25 Nov 2024 21:11	MSD Not Ok	RC/JU	Not Ok
29	P4860-09MSD	PH2-BOT-006MSD	BF140617.D	25 Nov 2024 21:37	Internal Standard Fail	RC/JU	Not Ok
30	P4960-03	SW1	BF140618.D	25 Nov 2024 22:03	Internal Standard Fail	RC/JU	ReRun
31	P4860-10	PH2-BOT-005	BF140619.D	25 Nov 2024 22:29	Internal Standard Fail	RC/JU	ReRun
32	P4860-04	PH2-BOT-003	BF140620.D	25 Nov 2024 22:55		RC/JU	Ok
33	P4860-07	PH2-BOT-008	BF140621.D	25 Nov 2024 23:22		RC/JU	Ok
34	P4860-03	PH2-BOT-002	BF140622.D	25 Nov 2024 23:48		RC/JU	Ok
35	P4951-01	AU-05-112124	BF140623.D	26 Nov 2024 00:14	Internal Standard Fail	RC/JU	ReRun
36	P4954-01	TR-05-112124	BF140624.D	26 Nov 2024 00:40	Internal Standard Fail	RC/JU	Ok,M
37	P4954-01MS	TR-05-112124MS	BF140625.D	26 Nov 2024 01:06	Internal Standard Fail	RC/JU	Ok,M

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112524

Review By	yogesh	Review On	11/27/2024 5:27:46 AM		
Supervise By	mohammad	Supervise On	11/27/2024 6:04:35 AM		
SubDirectory	BF112524	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12330,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	P4954-01MSD	TR-05-112124MSD	BF140626.D	26 Nov 2024 01:32	Internal Standard Fail	RC/JU	Ok,M
39	P4954-03	TR-06-112124	BF140627.D	26 Nov 2024 01:58	Internal Standard Fail	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112724

Review By	yogesh	Review On	11/29/2024 12:46:43 AM		
Supervise By	mohammad	Supervise On	11/29/2024 12:50:46 AM		
SubDirectory	BF112724	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12330,10ul/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	BF140654.D	27 Nov 2024 08:19		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140655.D	27 Nov 2024 08:47		RC/JU	Ok,M
3	PB165255BL	PB165255BL	BF140656.D	27 Nov 2024 09:13		RC/JU	Ok
4	PB165255BS	PB165255BS	BF140657.D	27 Nov 2024 09:38		RC/JU	Ok,M
5	PB165269BL	PB165269BL	BF140658.D	27 Nov 2024 10:05		RC/JU	Ok
6	PB165144BS	PB165144BS	BF140659.D	27 Nov 2024 10:30		RC/JU	Ok,M
7	PB165159TB	PB165159TB	BF140660.D	27 Nov 2024 10:56		RC/JU	Ok
8	PB165269BS	PB165269BS	BF140661.D	27 Nov 2024 11:22		RC/JU	Ok,M
9	PB165252TB	PB165252TB	BF140662.D	27 Nov 2024 11:48		RC/JU	Ok
10	P4985-08	MH-740-WC	BF140663.D	27 Nov 2024 12:19		RC/JU	Ok
11	P4938-04	MH-732	BF140664.D	27 Nov 2024 12:45		RC/JU	Ok
12	P4938-04MS	MH-732MS	BF140665.D	27 Nov 2024 13:11		RC/JU	Ok,M
13	P4938-04MSD	MH-732MSD	BF140666.D	27 Nov 2024 13:38		RC/JU	Ok,M
14	P4985-01	MH-756-WC	BF140667.D	27 Nov 2024 14:04		RC/JU	Ok
15	P4985-01MS	MH-756-WCMS	BF140668.D	27 Nov 2024 14:30	Recovery fail for many compound	RC/JU	Not Ok
16	P4985-01MSD	MH-756-WCMSD	BF140669.D	27 Nov 2024 14:55	MS not ok	RC/JU	Not Ok
17	P4985-04	MH-756-WC	BF140670.D	27 Nov 2024 15:22		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112724

Review By	yogesh	Review On	11/29/2024 12:46:43 AM		
Supervise By	mohammad	Supervise On	11/29/2024 12:50:46 AM		
SubDirectory	BF112724	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12330,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P4938-08	MH-734	BF140671.D	27 Nov 2024 15:48		RC/JU	Ok
19	P4995-02	001	BF140672.D	27 Nov 2024 16:14		RC/JU	Ok
20	P5000-04	MH-745	BF140673.D	27 Nov 2024 16:40		RC/JU	Ok
21	P5000-08	MH-733	BF140674.D	27 Nov 2024 17:06		RC/JU	Ok
22	P4985-05	MH-740-WC	BF140675.D	27 Nov 2024 17:32		RC/JU	Ok
23	P5005-01	STOCK-PILE	BF140676.D	27 Nov 2024 17:58		RC/JU	Ok,M
24	P5005-01MS	STOCK-PILEMS	BF140677.D	27 Nov 2024 18:24		RC/JU	Ok,M
25	P5005-01MSD	STOCK-PILEMSD	BF140678.D	27 Nov 2024 18:50		RC/JU	Ok,M
26	P5019-01	EO-02-11262024	BF140679.D	27 Nov 2024 19:16		RC/JU	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB165060

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

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 : 11/18/2024 **Time :** 16:00

End Prep Date : 11/19/2024 **Time :** 08:20

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 24 °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	W1937,W1938,W1939,W1940,W1941,W1942
1 Liter Amber	N/A	23091
120ml Plastic bottle	N/A	21029
1:1 HNO3	N/A	MP83122

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. p4910-08 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/19/24 10:30	JP / TCLP Room	RS / Met Dig
	Preparation Group	**Analysis Group** RS / EXT

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB165060

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
P4890-06	D3721	01	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
P4892-03	WB-310-BOT	02	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-1
P4893-04	MH-763	03	100.03	2000	N/A	N/A	N/A	6.2	1.0	T-1
P4893-08	MH-762	04	100.04	2000	N/A	N/A	N/A	6.0	1.0	T-1
P4910-04	MH-COTTAGE	05	100.02	2000	N/A	N/A	N/A	7.2	1.5	T-1
P4910-08	MH-759	06	100.03	2000	N/A	N/A	N/A	6.2	1.0	T-1
PB165060TB	LEB060	07	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P4890-06	D3721	N/A	N/A	N/A	N/A	100	N/A
P4892-03	WB-310-BOT	N/A	N/A	N/A	N/A	100	N/A
P4893-04	MH-763	N/A	N/A	N/A	N/A	100	N/A
P4893-08	MH-762	N/A	N/A	N/A	N/A	100	N/A
P4910-04	MH-COTTAGE	N/A	N/A	N/A	N/A	100	N/A
P4910-08	MH-759	N/A	N/A	N/A	N/A	100	N/A
PB165060TB	LEB060	N/A	N/A	N/A	N/A	N/A	N/A

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TCLP Fluid Determination

PB165060

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
P4890-06	D3721	5.02	96.5	6.2	2.5	#1	4.94
P4892-03	WB-310-BOT	5.03	96.5	8.6	3.5	#1	4.94
P4893-04	MH-763	5.02	96.5	8.6	3.5	#1	4.94
P4893-08	MH-762	5.01	96.5	8.0	3.0	#1	4.94
P4910-04	MH-COTTAGE	5.02	96.5	9.1	4.5	#1	4.94
P4910-08	MH-759	5.03	96.5	8.6	4.0	#1	4.94
PB165060TB	LEB060	N/A	N/A	N/A	N/A	#1	4.94

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp p4892 **WorkList ID :** 185532 **Department :** TCLP Extraction **Date :** 11-18-2024 12:28:07

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4890-06	D3721	Solid	TCLP Extraction	Cool 4 deg C	PSEG03		11/15/2024	1311
P4892-03	WB-310-BOT	Solid	TCLP Extraction	Cool 4 deg C	PORT06	M11	11/15/2024	1311
P4893-04	MH-763	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L51	11/16/2024	1311
P4893-08	MH-762	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L51	11/16/2024	1311
P4910-04	MH-COTTAGE	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L61	11/18/2024	1311
P4910-08	MH-759	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L61	11/18/2024	1311

Date/Time 11-18-24 15:00

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature] SM

Date/Time 11-18-24 17:30

Raw Sample Received by: [signature] SM

Raw Sample Relinquished by: [signature]

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB165144

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date : 11/20/2024

Extraction Start Time : 11:30

Extraction End Date : 11/20/2024

Extraction End Time : 16:25

Concentration By: EH

Supervisor By : rajesh

Extraction Method: [√] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6681
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	E3829
Baked Na2SO4	N/A	EP2562
10N NaoH	N/A	EP2559
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
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673. p H Adjusted<2 with 1:1 H2SO4 &>11 with 10N NaOH.

KD Bath ID: Water bath -01,02

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/20/24	RP (Ext Lab)	AC/SVOC
16:30	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB165144

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 11/20/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB165060TB	PB165060TB	TCLP BNA	1000	6	RUPESH	rajesh	1			SEP-01
PB165111TB	PB165111TB	TCLP BNA	100	6	RUPESH	rajesh	1			2
PB165123TB	PB165123TB	TCLP BNA	100	6	RUPESH	rajesh	1			3
PB165144BL	PB165144BL	TCLP BNA	1000	6	RUPESH	rajesh	1			4
PB165144BS	PB165144BS	TCLP BNA	1000	6	RUPESH	rajesh	1			5
P4892-03	WB-310-BOT	TCLP BNA	100	6	RUPESH	rajesh	1	A		6
P4892-03MS	WB-310-BOTMS	TCLP BNA	100	6	RUPESH	rajesh	1	A		7
P4892-03MSD	WB-310-BOTMSD	TCLP BNA	100	6	RUPESH	rajesh	1	A		8
P4893-04	MH-763	TCLP BNA	100	6	RUPESH	rajesh	1	A		9
P4893-08	MH-762	TCLP BNA	100	6	RUPESH	rajesh	1	A		10
P4910-04	MH-COTTAGE	TCLP BNA	100	6	RUPESH	rajesh	1	A		11
P4910-08	MH-759	TCLP BNA	100	6	RUPESH	rajesh	1	A		12
P4916-04	TP-1-WC	TCLP BNA	100	6	RUPESH	rajesh	1	A		13
P4916-08	TP-2-WC	TCLP BNA	100	6	RUPESH	rajesh	1	A		14
P4916-12	TP-3-WC	TCLP BNA	100	6	RUPESH	rajesh	1	A		15
P4921-01	WC-11-A-202411	TCLP BNA	100	6	RUPESH	rajesh	1	A		16
P4924-04	MH-4	TCLP BNA	100	6	RUPESH	rajesh	1	A		SEP-01
P4925-04	MH-741	TCLP BNA	100	6	RUPESH	rajesh	1	A		2
P4925-08	MH-741	TCLP BNA	100	6	RUPESH	rajesh	1	A		3
P4929-02	ARS520	TCLP BNA	100	6	RUPESH	rajesh	1	A		4

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

11/20/24

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB165111

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
P4916-04	TP-1-WC	01	100.02	2000	N/A	N/A	N/A	3.0	1.5	T-1
P4916-08	TP-2-WC	02	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-1
P4916-12	TP-3-WC	03	100.04	2000	N/A	N/A	N/A	3.0	1.0	T-1
P4923-02	COMP-1	04	100.02	2000	N/A	N/A	N/A	7.6	1.0	T-1
P4923-03	COMP-2	05	100.01	2000	N/A	N/A	N/A	7.2	1.5	T-1
P4923-04	COMP-3	06	100.02	2000	N/A	N/A	N/A	6.2	1.0	T-1
P4923-05	COMP-4	07	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4923-07	72-11991	08	100.04	2000	N/A	N/A	N/A	8.6	1.0	T-1
P4924-04	MH-4	09	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
P4925-04	MH-741	10	100.01	2000	N/A	N/A	N/A	5.5	1.5	T-1
P4925-08	MH-741	11	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-2
P4929-02	ARS520	12	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-2
PB165111TB	LEB111	13	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2

11/20/25

11:00

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB165123

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
P4921-01	WC-11-A-202411	N/A	N/A	N/A	N/A	N/A	N/A	7.0	1.5	N/A
PB165123TB	LEB123	N/A	N/A	N/A	N/A	N/A	N/A	4.93	1.0	N/A

11/20/24

11:00

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB16506

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 Pe
P4890-06	D3721	01	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
P4892-03	WB-310-BOT	02	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-1
P4893-04	MH-763	03	100.03	2000	N/A	N/A	N/A	6.2	1.0	T-1
P4893-08	MH-762	04	100.04	2000	N/A	N/A	N/A	6.0	1.0	T-1
P4910-04	MH-COTTAGE	05	100.02	2000	N/A	N/A	N/A	7.2	1.5	T-1
P4910-08	MH-759	06	100.03	2000	N/A	N/A	N/A	6.2	1.0	T-1
PB165060TB	LEB060	07	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-1

11/19/2024
10:30

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

LAB CHRONICLE

OrderID:	P4892	**OrderDate:**	11/18/2024 8:10:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	**Location:**	M11,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4892-01	**WB-310-TOP**	**SOIL**			**11/15/24**			**11/15/24**
			SVOC-TCL BNA -20	8270E		11/19/24	11/20/24	
P4892-02	**WB-310-BOT**	**SOIL**			**11/15/24**			**11/15/24**
			SVOC-TCL BNA -20	8270E		11/19/24	11/20/24	
P4892-03	**WB-310-BOT**	**TCLP**			**11/15/24**			**11/15/24**
			TCLP BNA	8270E		11/20/24	11/25/24	
P4892-04	**WB-310-SW**	**Water**			**11/15/24**			**11/15/24**
			SVOC-TCL BNA -20	8270E		11/20/24	11/25/24	