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

Hit Summary Sheet
SW-846

SDG No.: Q1744

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: **BP024262.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:	04/09/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/09/25
Client Sample ID:	PB167517TB	SDG No.:	Q1744
Lab Sample ID:	PB167517TB	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
BP024262.D	1	04/09/25 13:25	04/11/25 11:45	PB167537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	U	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	5.40	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	163		15 (10) - 110 (139)	108%	SPK: 150
13127-88-3	Phenol-d6	154		15 (10) - 110 (134)	103%	SPK: 150
4165-60-0	Nitrobenzene-d5	106		30 (49) - 130 (133)	106%	SPK: 100
321-60-8	2-Fluorobiphenyl	100		30 (52) - 130 (132)	100%	SPK: 100
118-79-6	2,4,6-Tribromophenol	167	*	15 (44) - 110 (137)	112%	SPK: 150
1718-51-0	Terphenyl-d14	111		30 (48) - 130 (125)	111%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	246000	7.758			
1146-65-2	Naphthalene-d8	989000	10.534			
15067-26-2	Acenaphthene-d10	609000	14.387			
1517-22-2	Phenanthrene-d10	1150000	17.192			
1719-03-5	Chrysene-d12	1140000	21.639			
1520-96-3	Perylene-d12	1240000	24.998			

Raw Data: **BP024262.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	04/09/25
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	04/09/25
Client Sample ID:	PB167517TB			SDG No.:	Q1744
Lab Sample ID:	PB167517TB			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
BP024262.D	1	04/09/25 13:25	04/11/25 11:45	PB167537

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: **BP024269.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB01	SDG No.:	Q1744
Lab Sample ID:	Q1744-02	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
BP024269.D	1	04/09/25 13:25	04/11/25 17:02	PB167537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	U	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	5.40	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	134		15 (10) - 110 (139)	89%	SPK: 150
13127-88-3	Phenol-d6	116		15 (10) - 110 (134)	77%	SPK: 150
4165-60-0	Nitrobenzene-d5	100		30 (49) - 130 (133)	100%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.1		30 (52) - 130 (132)	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	168	*	15 (44) - 110 (137)	112%	SPK: 150
1718-51-0	Terphenyl-d14	98.6		30 (48) - 130 (125)	99%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	221000	7.74			
1146-65-2	Naphthalene-d8	854000	10.516			
15067-26-2	Acenaphthene-d10	517000	14.375			
1517-22-2	Phenanthrene-d10	1060000	17.175			
1719-03-5	Chrysene-d12	1290000	21.627			
1520-96-3	Perylene-d12	1410000	24.998			

Raw Data: **BP024269.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	04/07/25
Client Sample ID:	B-158-SB01			SDG No.:	Q1744
Lab Sample ID:	Q1744-02			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
BP024269.D	1	04/09/25 13:25	04/11/25 17:02	PB167537

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: **BP024270.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB02	SDG No.:	Q1744
Lab Sample ID:	Q1744-04	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
BP024270.D	1	04/09/25 13:25	04/11/25 17:42	PB167537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	U	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	5.40	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	132		15 (10) - 110 (139)	88%	SPK: 150
13127-88-3	Phenol-d6	113		15 (10) - 110 (134)	76%	SPK: 150
4165-60-0	Nitrobenzene-d5	101		30 (49) - 130 (133)	101%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.4		30 (52) - 130 (132)	96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	158		15 (44) - 110 (137)	105%	SPK: 150
1718-51-0	Terphenyl-d14	101		30 (48) - 130 (125)	101%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	242000	7.74			
1146-65-2	Naphthalene-d8	925000	10.516			
15067-26-2	Acenaphthene-d10	525000	14.375			
1517-22-2	Phenanthrene-d10	1030000	17.175			
1719-03-5	Chrysene-d12	1150000	21.61			
1520-96-3	Perylene-d12	1310000	24.974			

Raw Data: **BP024270.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB02	SDG No.:	Q1744
Lab Sample ID:	Q1744-04	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
BP024270.D	1	04/09/25 13:25	04/11/25 17:42	PB167537

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
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J = Estimated Value
B = Analyte Found in Associated Method Blank
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* = 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.: Q1744

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167517TB	PB167517TB	2-Fluorophenol	150	163	108		15 (10)	110 (139)
		Phenol-d6	150	154	103		15 (10)	110 (134)
		Nitrobenzene-d5	100	106	106		30 (49)	130 (133)
		2-Fluorobiphenyl	100	100	100		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	167	112	*	15 (44)	110 (137)
		Terphenyl-d14	100	111	111		30 (48)	130 (125)
PB167537BL	PB167537BL	2-Fluorophenol	150	154	103		15 (10)	110 (139)
		Phenol-d6	150	142	95		15 (10)	110 (134)
		Nitrobenzene-d5	100	102	102		30 (49)	130 (133)
		2-Fluorobiphenyl	100	100	100		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	163	109		15 (44)	110 (137)
		Terphenyl-d14	100	107	107		30 (48)	130 (125)
PB167537BS	PB167537BS	2-Fluorophenol	150	155	104		15 (10)	110 (139)
		Phenol-d6	150	146	97		15 (10)	110 (134)
		Nitrobenzene-d5	100	102	102		30 (49)	130 (133)
		2-Fluorobiphenyl	100	94.7	95		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	167	111	*	15 (44)	110 (137)
		Terphenyl-d14	100	103	103		30 (48)	130 (125)
Q1744-02	B-158-SB01	2-Fluorophenol	150	134	89		15 (10)	110 (139)
		Phenol-d6	150	116	77		15 (10)	110 (134)
		Nitrobenzene-d5	100	100	100		30 (49)	130 (133)
		2-Fluorobiphenyl	100	93.1	93		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	168	112	*	15 (44)	110 (137)
		Terphenyl-d14	100	98.6	99		30 (48)	130 (125)
Q1744-04	B-158-SB02	2-Fluorophenol	150	132	88		15 (10)	110 (139)
		Phenol-d6	150	113	76		15 (10)	110 (134)
		Nitrobenzene-d5	100	101	101		30 (49)	130 (133)
		2-Fluorobiphenyl	100	96.4	96		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	158	105		15 (44)	110 (137)
		Terphenyl-d14	100	101	101		30 (48)	130 (125)
Q1748-04MS	IB-1.5-WCMS	2-Fluorophenol	150	160	106		15 (10)	110 (139)
		Phenol-d6	150	150	100		15 (10)	110 (134)
		Nitrobenzene-d5	100	108	108		30 (49)	130 (133)
		2-Fluorobiphenyl	100	95.4	95		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	199	133	*	15 (44)	110 (137)
		Terphenyl-d14	100	105	105		30 (48)	130 (125)
Q1748-04MSD	IB-1.5-WCMSD	2-Fluorophenol	150	144	96		15 (10)	110 (139)
		Phenol-d6	150	130	87		15 (10)	110 (134)
		Nitrobenzene-d5	100	103	103		30 (49)	130 (133)
		2-Fluorobiphenyl	100	93.9	94		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	179	119	*	15 (44)	110 (137)
		Terphenyl-d14	100	107	107		30 (48)	130 (125)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1744

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: Q1748-04MS		**Client Sample ID:** IB-1.5-WCMS						**DataFile:** BP024265.D			
Pyridine	500	0	540	ug/L	108				20 (10)	160 (109)	
1,4-Dichlorobenzene	500	0	430	ug/L	86				70 (55)	130 (125)	
2-Methylphenol	500	0	550	ug/L	110				70 (60)	130 (131)	
3+4-Methylphenols	500	0	560	ug/L	112				20 (54)	160 (136)	
Hexachloroethane	500	0	420	ug/L	84				20 (19)	160 (146)	
Nitrobenzene	500	0	490	ug/L	98				70 (62)	130 (112)	
Hexachlorobutadiene	500	0	430	ug/L	86				70 (52)	130 (125)	
2,4,6-Trichlorophenol	500	0	530	ug/L	106				70 (78)	130 (112)	
2,4,5-Trichlorophenol	500	0	570	ug/L	114				70 (71)	130 (111)	
2,4-Dinitrotoluene	500	0	660	ug/L	132	*			70 (74)	130 (137)	
Hexachlorobenzene	500	0	490	ug/L	98				70 (72)	130 (115)	
Pentachlorophenol	1000	0	1100	ug/L	110				20 (52)	160 (162)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1744

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: Q1748-04MSD		**Client Sample ID:** IB-1.5-WCMSD						**DataFile:** BP024266.D			
Pyridine	500	0	430	ug/L	86		23	*	20 (10)	160 (109)	20 (20)
1,4-Dichlorobenzene	500	0	400	ug/L	80		7		70 (55)	130 (125)	20 (20)
2-Methylphenol	500	0	490	ug/L	98		12		70 (60)	130 (131)	20 (20)
3+4-Methylphenols	500	0	480	ug/L	96		15		20 (54)	160 (136)	20 (20)
Hexachloroethane	500	0	410	ug/L	82		2		20 (19)	160 (146)	20 (20)
Nitrobenzene	500	0	460	ug/L	92		6		70 (62)	130 (112)	20 (20)
Hexachlorobutadiene	500	0	430	ug/L	86		0		70 (52)	130 (125)	20 (20)
2,4,6-Trichlorophenol	500	0	510	ug/L	102		4		70 (78)	130 (112)	20 (20)
2,4,5-Trichlorophenol	500	0	530	ug/L	106		7		70 (71)	130 (111)	20 (20)
2,4-Dinitrotoluene	500	0	590	ug/L	118		11		70 (74)	130 (137)	20 (20)
Hexachlorobenzene	500	0	480	ug/L	96		2		70 (72)	130 (115)	20 (20)
Pentachlorophenol	1000	0	1100	ug/L	110		0		20 (52)	160 (162)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1744

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BP024261.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167537BS	Pyridine	50	42.6	ug/L	85				20 (29)	160 (97)	
	1,4-Dichlorobenzene	50	49.4	ug/L	99				70 (76)	130 (103)	
	2-Methylphenol	50	54.4	ug/L	109				70 (69)	130 (109)	
	3+4-Methylphenols	50	53.8	ug/L	108				20 (67)	160 (106)	
	Hexachloroethane	50	50.3	ug/L	101				20 (76)	160 (118)	
	Nitrobenzene	50	51.1	ug/L	102				70 (58)	130 (106)	
	Hexachlorobutadiene	50	50.0	ug/L	100				70 (69)	130 (101)	
	2,4,6-Trichlorophenol	50	53.7	ug/L	107				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	53.9	ug/L	108				70 (70)	130 (106)	
	2,4-Dinitrotoluene	50	59.4	ug/L	119				70 (60)	130 (115)	
	Hexachlorobenzene	50	50.4	ug/L	101				70 (73)	130 (106)	
	Pentachlorophenol	100	110	ug/L	110				20 (47)	160 (114)	

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167537BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1744 SAS No.: Q1744 SDG NO.: Q1744

Lab File ID: BP024260.D Lab Sample ID: PB167537BL

Instrument ID: BNA_P Date Extracted: 04/09/2025

Matrix: (soil/water) water Date Analyzed: 04/11/2025

Level: (low/med) LOW Time Analyzed: 10:23

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167537BS	PB167537BS	BP024261.D	04/11/2025
IB-1.5-WCMS	Q1748-04MS	BP024265.D	04/11/2025
B-158-SB01	Q1744-02	BP024269.D	04/11/2025
B-158-SB02	Q1744-04	BP024270.D	04/11/2025
IB-1.5-WCMSD	Q1748-04MSD	BP024266.D	04/11/2025
PB167517TB	PB167517TB	BP024262.D	04/11/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1744 SDG NO.: Q1744

Lab File ID: BP024159.D DFTPP Injection Date: 03/12/2025

Instrument ID: BNA_P DFTPP Injection Time: 15:36

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28.5
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	33.9
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	46.1
197	Less than 2.0% of mass 198	0.4
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	27.5
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	14.7
442	Greater than 50% of mass 198	94.8
443	15.0 - 24.0% of mass 442	18.4 (19.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP024160.D	03/12/2025	16:17
SSTDICC005	SSTDICC005	BP024161.D	03/12/2025	16:57
SSTDICC010	SSTDICC010	BP024162.D	03/12/2025	17:38
SSTDICC020	SSTDICC020	BP024163.D	03/12/2025	18:19
SSTDICCC040	SSTDICCC040	BP024164.D	03/12/2025	19:00
SSTDICC050	SSTDICC050	BP024165.D	03/12/2025	19:41
SSTDICC060	SSTDICC060	BP024166.D	03/12/2025	20:21
SSTDICC080	SSTDICC080	BP024167.D	03/12/2025	21:02

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1744 SDG NO.: Q1744

Lab File ID: BP024258.D DFTPP Injection Date: 04/11/2025

Instrument ID: BNA_P DFTPP Injection Time: 09:02

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	27.1
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	32.3
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	45.4
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 60.0% of mass 198	29.1
365	Greater than 1% of mass 198	4
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP024259.D	04/11/2025	09:43
PB167537BL	PB167537BL	BP024260.D	04/11/2025	10:23
PB167537BS	PB167537BS	BP024261.D	04/11/2025	11:04
PB167517TB	PB167517TB	BP024262.D	04/11/2025	11:45
IB-1.5-WCMS	Q1748-04MS	BP024265.D	04/11/2025	14:19
IB-1.5-WCMSD	Q1748-04MSD	BP024266.D	04/11/2025	15:00
B-158-SB01	Q1744-02	BP024269.D	04/11/2025	17:02
B-158-SB02	Q1744-04	BP024270.D	04/11/2025	17:42

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1744 SAS No.: Q1744 SDG NO.: Q1744

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/11/2025

Lab File ID: BP024259.D Time Analyzed: 09:43

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	312531	7.757	1264670	10.53	754959	14.39
	UPPER LIMIT	625062	8.257	2529340	11.034	1509920	14.892
	LOWER LIMIT	156266	7.257	632335	10.034	377480	13.892
	EPA SAMPLE NO.						
01	PB167517TB	245941	7.76	988900	10.53	609073	14.39
02	PB167537BL	279458	7.76	1100930	10.54	638188	14.39
03	PB167537BS	252310	7.76	1001040	10.53	619477	14.39
04	B-158-SB01	220580	7.74	853855	10.52	516666	14.38
05	B-158-SB02	241596	7.74	924650	10.52	524708	14.38
06	IB-1.5-WCMS	198893	7.74	835760	10.51	566625	14.39
07	IB-1.5-WCMSD	263233	7.74	1024670	10.52	625891	14.38

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.: Q1744 SAS No.: Q1744 SDG NO.: Q1744

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/11/2025

Lab File ID: BP024259.D Time Analyzed: 09:43

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #		RT #
	12 HOUR STD	1422440	17.204	1476880	21.639	1685520		25.009
	UPPER LIMIT	2844880	17.704	2953760	22.139	3371040		25.509
	LOWER LIMIT	711220	16.704	738440	21.139	842760		24.509
	EPA SAMPLE NO.							
01	PB167517TB	1154900	17.19	1137900	21.64	1235220		25.00
02	PB167537BL	1225650	17.19	1255530	21.64	1409210		25.00
03	PB167537BS	1216310	17.19	1332930	21.64	1494830		25.02
04	B-158-SB01	1056170	17.18	1289350	21.63	1408890		25.00
05	B-158-SB02	1030670	17.18	1146420	21.61	1313030		24.97
06	IB-1.5-WCMS	1260550	17.19	1426670	21.65	871094		25.00
07	IB-1.5-WCMSD	1269590	17.18	1347510	21.62	604991	*	24.98

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: **BP024260.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167537BL	SDG No.:	Q1744
Lab Sample ID:	PB167537BL	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
BP024260.D	1	04/09/25 13:25	04/11/25 10:23	PB167537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.30	U	1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.53	U	0.53	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	154		15 (10) - 110 (139)	103%	SPK: 150
13127-88-3	Phenol-d6	142		15 (10) - 110 (134)	95%	SPK: 150
4165-60-0	Nitrobenzene-d5	102		30 (49) - 130 (133)	102%	SPK: 100
321-60-8	2-Fluorobiphenyl	100		30 (52) - 130 (132)	100%	SPK: 100
118-79-6	2,4,6-Tribromophenol	163		15 (44) - 110 (137)	109%	SPK: 150
1718-51-0	Terphenyl-d14	107		30 (48) - 130 (125)	107%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	279000	7.757			
1146-65-2	Naphthalene-d8	1100000	10.54			
15067-26-2	Acenaphthene-d10	638000	14.386			
1517-22-2	Phenanthrene-d10	1230000	17.192			
1719-03-5	Chrysene-d12	1260000	21.639			
1520-96-3	Perylene-d12	1410000	25.003			

Raw Data: **BP024260.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	
Client Sample ID:	PB167537BL			SDG No.:	Q1744
Lab Sample ID:	PB167537BL			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
BP024260.D	1	04/09/25 13:25	04/11/25 10:23	PB167537

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: **BP024261.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167537BS	SDG No.:	Q1744
Lab Sample ID:	PB167537BS	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
BP024261.D	1	04/09/25 13:25	04/11/25 11:04	PB167537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	42.6		1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	49.4		0.53	5.00	ug/L
95-48-7	2-Methylphenol	54.4		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	53.8		1.10	10.0	ug/L
67-72-1	Hexachloroethane	50.3		0.65	5.00	ug/L
98-95-3	Nitrobenzene	51.1		0.76	5.00	ug/L
87-68-3	Hexachlorobutadiene	50.0		0.54	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	53.7		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	53.9		0.62	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	59.4		1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	50.4		0.52	5.00	ug/L
87-86-5	Pentachlorophenol	110	E	1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	155		15 (10) - 110 (139)	104%	SPK: 150
13127-88-3	Phenol-d6	146		15 (10) - 110 (134)	97%	SPK: 150
4165-60-0	Nitrobenzene-d5	102		30 (49) - 130 (133)	102%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.7		30 (52) - 130 (132)	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	167	*	15 (44) - 110 (137)	111%	SPK: 150
1718-51-0	Terphenyl-d14	103		30 (48) - 130 (125)	103%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	252000	7.757			
1146-65-2	Naphthalene-d8	1000000	10.534			
15067-26-2	Acenaphthene-d10	619000	14.387			
1517-22-2	Phenanthrene-d10	1220000	17.192			
1719-03-5	Chrysene-d12	1330000	21.639			
1520-96-3	Perylene-d12	1490000	25.015			

Raw Data: **BP024261.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	
Client Sample ID:	PB167537BS			SDG No.:	Q1744
Lab Sample ID:	PB167537BS			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
BP024261.D	1	04/09/25 13:25	04/11/25 11:04	PB167537

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: **BP024265.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/08/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/08/25
Client Sample ID:	IB-1.5-WCMS	SDG No.:	Q1744
Lab Sample ID:	Q1748-04MS	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
BP024265.D	1	04/09/25 13:25	04/11/25 14:19	PB167537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	540		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	430		5.30	50.0	ug/L
95-48-7	2-Methylphenol	550		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	560		11.0	100	ug/L
67-72-1	Hexachloroethane	420		6.50	50.0	ug/L
98-95-3	Nitrobenzene	490		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	430		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	530		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	570		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	660		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	490		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	1100	E	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	160		15 (10) - 110 (139)	106%	SPK: 150
13127-88-3	Phenol-d6	150		15 (10) - 110 (134)	100%	SPK: 150
4165-60-0	Nitrobenzene-d5	108		30 (49) - 130 (133)	108%	SPK: 100
321-60-8	2-Fluorobiphenyl	95.4		30 (52) - 130 (132)	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	199	*	15 (44) - 110 (137)	133%	SPK: 150
1718-51-0	Terphenyl-d14	105		30 (48) - 130 (125)	105%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	199000	7.74			
1146-65-2	Naphthalene-d8	836000	10.51			
15067-26-2	Acenaphthene-d10	567000	14.386			
1517-22-2	Phenanthrene-d10	1260000	17.186			
1719-03-5	Chrysene-d12	1430000	21.645			
1520-96-3	Perylene-d12	871000	25.004			

Raw Data: **BP024265.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/08/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/08/25
Client Sample ID:	IB-1.5-WCMS	SDG No.:	Q1744
Lab Sample ID:	Q1748-04MS	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
BP024265.D	1	04/09/25 13:25	04/11/25 14:19	PB167537

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: **BP024266.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/08/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/08/25
Client Sample ID:	IB-1.5-WCMSD	SDG No.:	Q1744
Lab Sample ID:	Q1748-04MSD	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
BP024266.D	1	04/09/25 13:25	04/11/25 15:00	PB167537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	430		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	400		5.30	50.0	ug/L
95-48-7	2-Methylphenol	490		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	480		11.0	100	ug/L
67-72-1	Hexachloroethane	410		6.50	50.0	ug/L
98-95-3	Nitrobenzene	460		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	430		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	510		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	530		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	590		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	480		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	1100	E	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	144		15 (10) - 110 (139)	96%	SPK: 150
13127-88-3	Phenol-d6	130		15 (10) - 110 (134)	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	103		30 (49) - 130 (133)	103%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.9		30 (52) - 130 (132)	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	179	*	15 (44) - 110 (137)	119%	SPK: 150
1718-51-0	Terphenyl-d14	107		30 (48) - 130 (125)	107%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	263000	7.74			
1146-65-2	Naphthalene-d8	1020000	10.516			
15067-26-2	Acenaphthene-d10	626000	14.375			
1517-22-2	Phenanthrene-d10	1270000	17.175			
1719-03-5	Chrysene-d12	1350000	21.622			
1520-96-3	Perylene-d12	605000	24.98			

Raw Data: **BP024266.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:	04/08/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/08/25
Client Sample ID:	IB-1.5-WCMSD	SDG No.:	Q1744
Lab Sample ID:	Q1748-04MSD	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
BP024266.D	1	04/09/25 13:25	04/11/25 15:00	PB167537

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 MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP031225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Mar 13 05:55:58 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP024160.D 5 =BP024161.D 10 =BP024162.D 20 =BP024163.D 40 =BP024164.D 50 =BP024165.D 60 =BP024166.D 80 =BP0241
67.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.503	0.499	0.518	0.469	0.496	0.498	0.493	0.497	2.93
3)		Pyridine		1.296	1.269	1.406	1.311	1.396	1.398	1.429	1.358	4.69
4)		n-Nitrosodimet...		0.444	0.436	0.476	0.431	0.461	0.466	0.461	0.454	3.66
5)	S	2-Fluorophenol		1.158	1.194	1.307	1.211	1.291	1.307	1.303	1.253	5.06
6)		Aniline		1.508	1.531	1.656	1.484	1.548	1.512	1.447	1.527	4.31
7)	S	Phenol-d6		1.518	1.581	1.747	1.631	1.749	1.754	1.748	1.675	5.86
8)		2-Chlorophenol		1.257	1.310	1.413	1.306	1.391	1.400	1.397	1.353	4.52
9)		Benzaldehyde		0.971	0.949	0.930	0.780	0.751	0.702	0.577	0.809	18.20
10)	C	Phenol		1.579	1.632	1.754	1.628	1.744	1.752	1.751	1.691	4.46
11)		bis(2-Chloroet...		1.286	1.317	1.407	1.273	1.341	1.358	1.356	1.334	3.45
12)		1,3-Dichlorobe...		1.466	1.448	1.522	1.387	1.477	1.471	1.445	1.459	2.79
13)	C	1,4-Dichlorobe...		1.507	1.474	1.562	1.413	1.493	1.503	1.479	1.490	3.01
14)		1,2-Dichlorobe...		1.446	1.426	1.494	1.358	1.435	1.440	1.411	1.430	2.85
15)		Benzyl Alcohol		0.934	0.966	1.096	1.042	1.122	1.126	1.139	1.061	7.77
16)		2,2'-oxybis(1-...		1.374	1.367	1.434	1.293	1.365	1.362	1.336	1.361	3.11
17)		2-Methylphenol		0.932	0.997	1.120	1.038	1.116	1.113	1.109	1.061	6.96
18)		Hexachloroethane		0.533	0.512	0.547	0.508	0.533	0.538	0.529	0.529	2.67
19)	P	n-Nitroso-di-n...	0.869	0.910	0.956	1.048	0.962	1.026	1.007	0.997	0.972	6.18
20)		3+4-Methylphenols		1.265	1.360	1.530	1.433	1.547	1.530	1.534	1.457	7.50
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.483	0.490	0.531	0.496	0.508	0.519	0.512	0.506	3.37
23)	S	Nitrobenzene-d5		0.330	0.338	0.366	0.351	0.362	0.368	0.367	0.354	4.34
24)		Nitrobenzene		0.330	0.336	0.362	0.341	0.355	0.363	0.361	0.350	3.88
25)		Isophorone		0.532	0.562	0.631	0.602	0.635	0.642	0.649	0.608	7.33
26)	C	2-Nitrophenol		0.126	0.141	0.167	0.171	0.182	0.189	0.192	0.167	14.92
27)		2,4-Dimethylph...		0.186	0.198	0.220	0.215	0.223	0.229	0.232	0.215	7.94
28)		bis(2-Chloroet...		0.414	0.418	0.438	0.418	0.429	0.437	0.439	0.427	2.55
29)	C	2,4-Dichloroph...		0.237	0.263	0.298	0.296	0.306	0.314	0.319	0.291	10.21
30)		1,2,4-Trichlor...		0.310	0.312	0.329	0.312	0.322	0.331	0.331	0.321	2.94
31)		Naphthalene		1.041	1.037	1.099	1.029	1.069	1.078	1.069	1.060	2.38
32)		Benzoic acid			0.148	0.190	0.218	0.239	0.252		0.209	19.82
33)		4-Chloroaniline		0.344	0.356	0.397	0.377	0.394	0.389	0.398	0.379	5.63
34)	C	Hexachlorobuta...		0.177	0.178	0.187	0.180	0.187	0.192	0.191	0.185	3.36
35)		Caprolactam		0.072	0.079	0.097	0.097	0.107	0.104	0.111	0.095	15.56
36)	C	4-Chloro-3-met...		0.261	0.283	0.324	0.314	0.333	0.332	0.348	0.313	9.83
37)		2-Methylnaphth...		0.689	0.684	0.737	0.704	0.731	0.734	0.735	0.716	3.27
38)		1-Methylnaphth...		0.674	0.673	0.728	0.673	0.704	0.705	0.720	0.697	3.32

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP031225.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.548	0.560	0.596	0.558	0.580	0.608	0.596	0.578	3.98
41)	P	Hexachlorocycl...	0.169	0.189	0.214	0.212	0.220	0.234	0.222	0.208	10.65
42)	S	2,4,6-Tribromo...	0.203	0.222	0.256	0.252	0.270	0.275	0.285	0.252	11.69
43)	C	2,4,6-Trichlor...	0.291	0.324	0.379	0.372	0.391	0.409	0.406	0.367	11.98
44)		2,4,5-Trichlor...	0.331	0.362	0.414	0.409	0.422	0.439	0.443	0.403	10.23
45)	S	2-Fluorobiphenyl	1.364	1.358	1.420	1.319	1.335	1.367	1.332	1.356	2.44
46)		1,1'-Biphenyl	1.467	1.475	1.566	1.462	1.493	1.536	1.521	1.503	2.60
47)		2-Chloronaphth...	1.108	1.100	1.180	1.095	1.115	1.164	1.152	1.130	3.01
48)		2-Nitroaniline	0.228	0.252	0.300	0.292	0.311	0.317	0.324	0.289	12.34
49)		Acenaphthylene	1.586	1.628	1.776	1.661	1.749	1.789	1.784	1.710	4.91
50)		Dimethylphthalate	1.351	1.349	1.459	1.358	1.417	1.424	1.439	1.399	3.27
51)		2,6-Dinitrotol...	0.248	0.266	0.303	0.294	0.312	0.316	0.322	0.294	9.40
52)	C	Acenaphthene	1.057	1.056	1.136	1.061	1.096	1.123	1.121	1.093	3.18
53)		3-Nitroaniline	0.253	0.276	0.328	0.322	0.344	0.343	0.359	0.318	12.24
54)	P	2,4-Dinitrophenol		0.108	0.146	0.160	0.179	0.186		0.156	19.97
55)		Dibenzofuran	1.759	1.751	1.835	1.711	1.768	1.799	1.769	1.770	2.18
56)	P	4-Nitrophenol	0.187	0.218	0.271	0.277	0.299	0.296	0.312	0.266	17.41
57)		2,4-Dinitrotol...	0.295	0.334	0.400	0.394	0.423	0.431	0.446	0.389	14.19
58)		Fluorene	1.309	1.343	1.442	1.345	1.407	1.407	1.402	1.379	3.43
59)		2,3,4,6-Tetrac...	0.316	0.323	0.365	0.356	0.371	0.376	0.386	0.356	7.54
60)		Diethylphthalate	1.297	1.336	1.437	1.358	1.422	1.435	1.469	1.394	4.53
61)		4-Chlorophenyl...	0.658	0.660	0.696	0.658	0.685	0.689	0.690	0.676	2.53
62)		4-Nitroaniline	0.246	0.292	0.348	0.343	0.362	0.365	0.379	0.334	14.22
63)		Azobenzene	1.215	1.251	1.369	1.291	1.341	1.363	1.365	1.314	4.73
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.085	0.111	0.120	0.127	0.132	0.137	0.119	15.85
66)	c	n-Nitrosodiphe...	0.564	0.583	0.629	0.600	0.617	0.632	0.626	0.607	4.27
67)		4-Bromophenyl-...	0.206	0.207	0.222	0.217	0.224	0.229	0.231	0.220	4.60
68)		Hexachlorobenzene	0.248	0.249	0.263	0.254	0.263	0.270	0.272	0.260	3.76
69)		Atrazine	0.165	0.171	0.157	0.135	0.105			0.147	18.49
70)	C	Pentachlorophenol	0.121	0.140	0.166	0.177	0.184	0.190	0.197	0.168	16.61
71)		Phenanthrene	1.068	1.059	1.126	1.083	1.100	1.111	1.102	1.093	2.19
72)		Anthracene	0.993	1.012	1.101	1.063	1.092	1.090	1.098	1.064	4.16
73)		Carbazole	0.920	0.975	1.060	1.041	1.060	1.061	1.066	1.026	5.50
74)		Di-n-butylphth...	1.026	1.121	1.247	1.260	1.272	1.297	1.304	1.218	8.57
75)	C	Fluoranthene	1.173	1.220	1.287	1.264	1.305	1.298	1.312	1.265	4.07
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.222	0.199	0.178	0.258	0.173	0.278	0.222	0.219	17.88
78)		Pyrene	1.177	1.190	1.299	1.204	1.266	1.293	1.274	1.243	4.12
79)	S	Terphenyl-d14	0.967	0.973	1.033	0.948	0.966	0.971	0.924	0.969	3.45
80)		Butylbenzylpht...	0.399	0.441	0.513	0.524	0.554	0.581	0.576	0.513	13.49
81)		Benzo(a)anthra...	1.194	1.194	1.291	1.208	1.261	1.285	1.271	1.243	3.47
82)		3,3'-Dichlorob...	0.340	0.369	0.429	0.428	0.434	0.467	0.450	0.417	10.94
83)		Chrysene	1.185	1.159	1.224	1.158	1.212	1.220	1.209	1.195	2.36
84)		Bis(2-ethylhex...	0.613	0.678	0.784	0.792	0.819	0.878	0.851	0.774	12.30
85)	c	Di-n-octyl pht...	0.922	1.033	1.224	1.272	1.357	1.435	1.433	1.240	15.95

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP031225.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.274	1.289	1.421	1.366	1.442	1.479	1.499	1.396	6.38
88)		Benzo(b)fluora...	1.103	1.116	1.258	1.190	1.244	1.266	1.264	1.206	5.85
89)		Benzo(k)fluora...	1.092	1.136	1.213	1.130	1.203	1.251	1.232	1.180	5.07
90)	C	Benzo(a)pyrene	0.953	0.959	1.065	1.029	1.094	1.119	1.122	1.049	6.77
91)		Dibenzo(a,h)an...	1.063	1.083	1.184	1.137	1.191	1.226	1.244	1.161	5.97
92)		Benzo(g,h,i)pe...	1.097	1.107	1.199	1.154	1.202	1.246	1.259	1.180	5.39

(#) = 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.: Q1744 SAS No.: Q1744 SDG No.: Q1744

Instrument ID: BNA_P Calibration Date/Time: 04/11/2025 09:43

Lab File ID: BP024259.D Init. Calib. Date(s): 03/12/2025 03/12/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:17 21:02

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.358	1.377		1.4	
2-Fluorophenol	1.253	1.286		2.6	
Phenol-d6	1.675	1.720		2.7	
1,4-Dichlorobenzene	1.490	1.489		-0.1	20.0
2-Methylphenol	1.061	1.100		3.7	
3+4-Methylphenols	1.457	1.511		3.7	
Nitrobenzene-d5	0.354	0.371		4.8	
Hexachloroethane	0.529	0.543		2.6	
Nitrobenzene	0.350	0.364		4.0	
Hexachlorobutadiene	0.185	0.187		1.1	20.0
2,4,6-Trichlorophenol	0.367	0.397		8.2	20.0
2-Fluorobiphenyl	1.356	1.348		-0.6	
2,4,5-Trichlorophenol	0.403	0.436		8.2	
2,4-Dinitrotoluene	0.389	0.431		10.8	
2,4,6-Tribromophenol	0.252	0.279		10.7	
Hexachlorobenzene	0.260	0.268		3.1	
Pentachlorophenol	0.168	0.192		14.3	20.0
Terphenyl-d14	0.969	1.021		5.4	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024262.D
Acq On : 11 Apr 2025 11:45
Operator : RC/JU
Sample : PB167517TB
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167517TB

Quant Time: Apr 11 12:15:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration

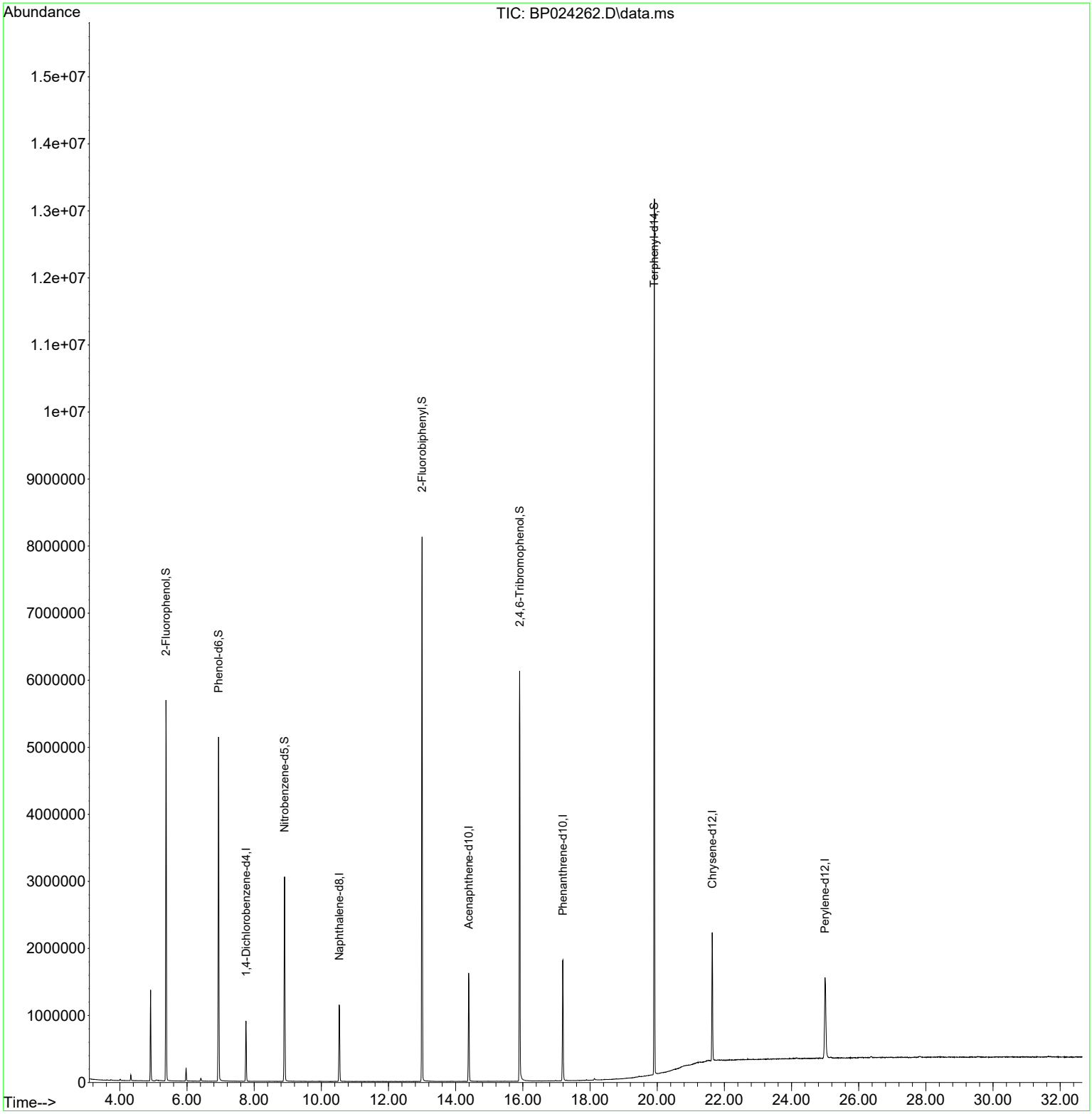
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.758	152	245941	20.000	ng	0.01
21) Naphthalene-d8	10.534	136	988900	20.000	ng	0.00
39) Acenaphthene-d10	14.387	164	609073	20.000	ng	0.00
64) Phenanthrene-d10	17.192	188	1154897	20.000	ng	0.00
76) Chrysene-d12	21.639	240	1137897	20.000	ng	0.00
86) Perylene-d12	24.998	264	1235221	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	2505867	162.644	ng	0.02
7) Phenol-d6	6.940	99	3176704	154.184	ng	0.01
23) Nitrobenzene-d5	8.905	82	1859413	106.088	ng	0.01
42) 2,4,6-Tribromophenol	15.904	330	1284993	167.490	ng	0.00
45) 2-Fluorobiphenyl	12.998	172	4144556	100.337	ng	0.00
79) Terphenyl-d14	19.916	244	6111210	110.862	ng	0.00
Target Compounds						Qvalue

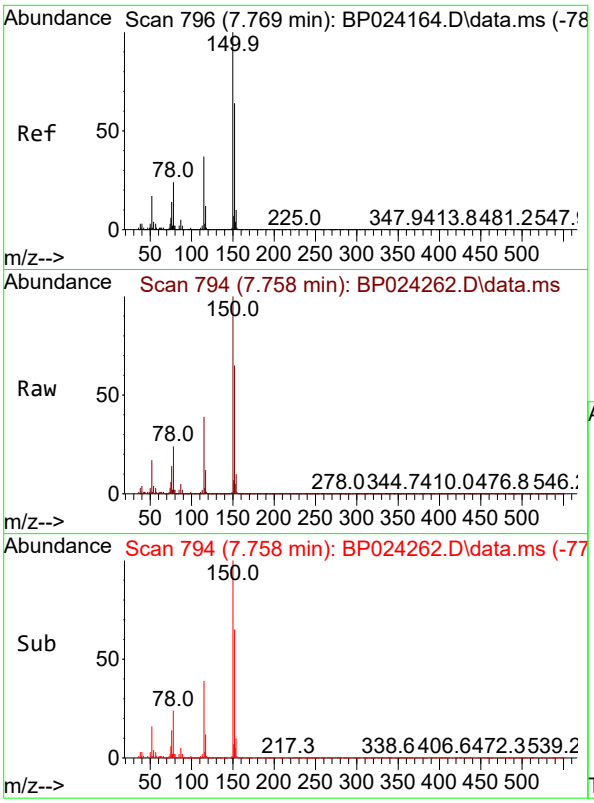
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024262.D
Acq On : 11 Apr 2025 11:45
Operator : RC/JU
Sample : PB167517TB
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167517TB

Quant Time: Apr 11 12:15:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration



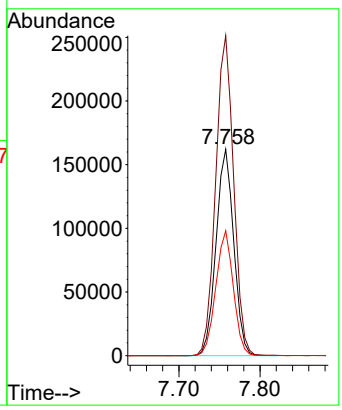


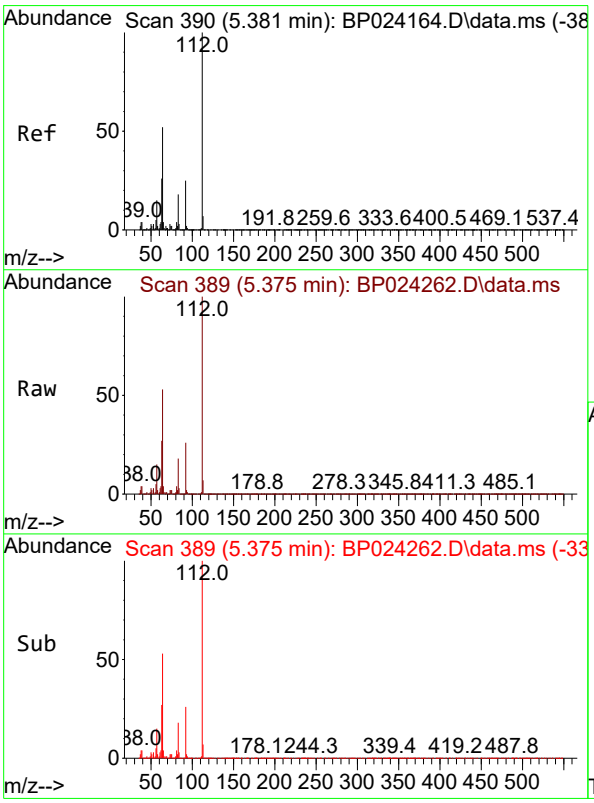
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.758 min Scan# 7
Delta R.T. 0.012 min
Lab File: BP024262.D
Acq: 11 Apr 2025 11:45

Instrument :
BNA_P
ClientSampleId :
PB167517TB

Tgt Ion:152 Resp: 245941

Ion	Ratio	Lower	Upper
152	100		
150	155.0	125.5	188.3
115	60.5	46.3	69.5

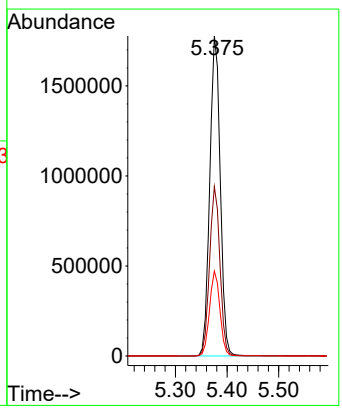


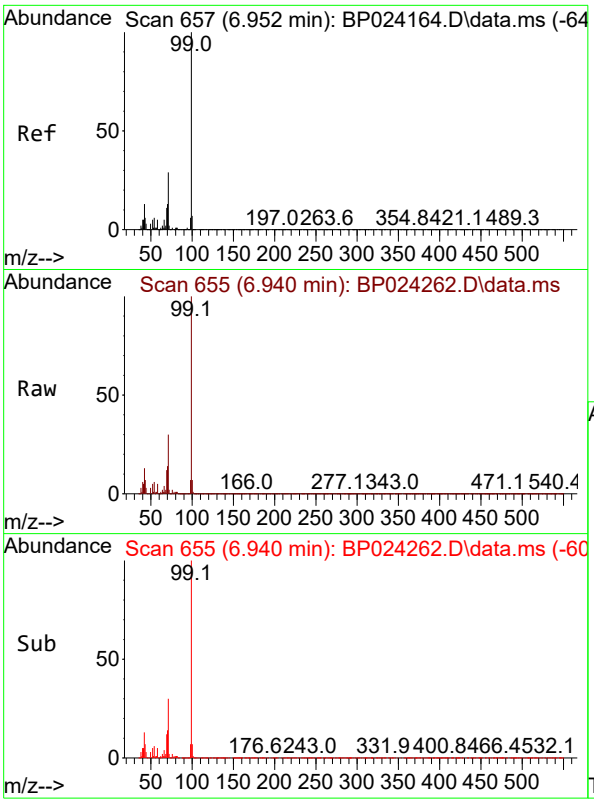


#5
2-Fluorophenol
Concen: 162.644 ng
RT: 5.375 min Scan# 389
Delta R.T. 0.018 min
Lab File: BP024262.D
Acq: 11 Apr 2025 11:45

Tgt Ion:112 Resp: 2505867

Ion	Ratio	Lower	Upper
112	100		
64	52.9	41.3	61.9
63	26.6	20.6	31.0



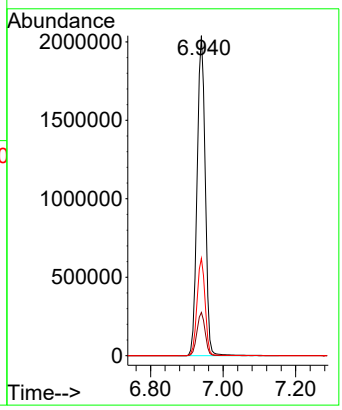


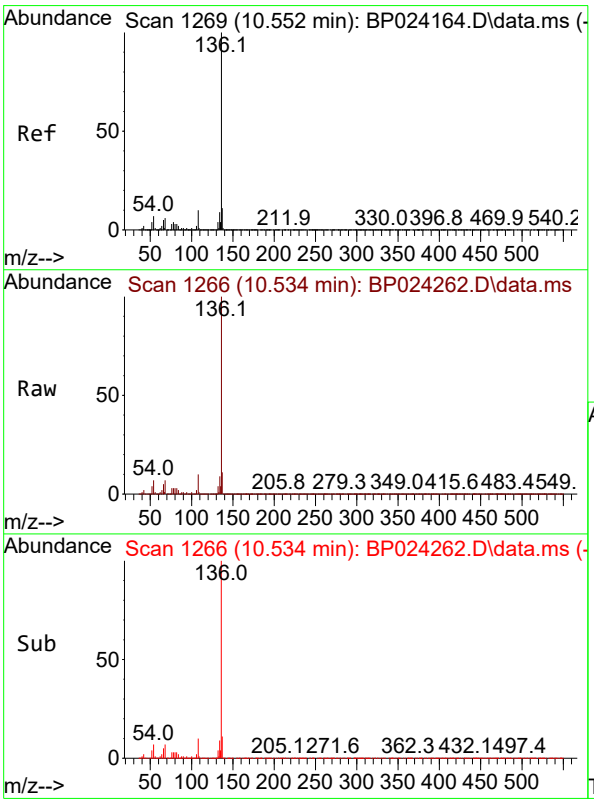
#7
Phenol-d6
Concen: 154.184 ng
RT: 6.940 min Scan# 6
Delta R.T. 0.012 min
Lab File: BP024262.D
Acq: 11 Apr 2025 11:45

Instrument :
BNA_P
ClientSampleId :
PB167517TB

Tgt Ion: 99 Resp: 3176704

Ion	Ratio	Lower	Upper
99	100		
42	13.5	10.6	16.0
71	30.4	23.3	34.9

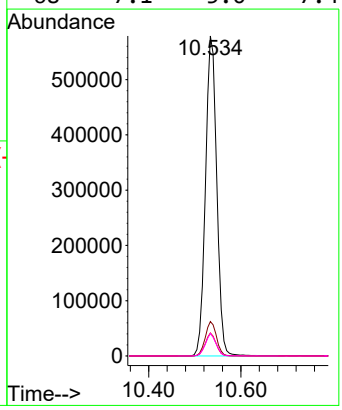


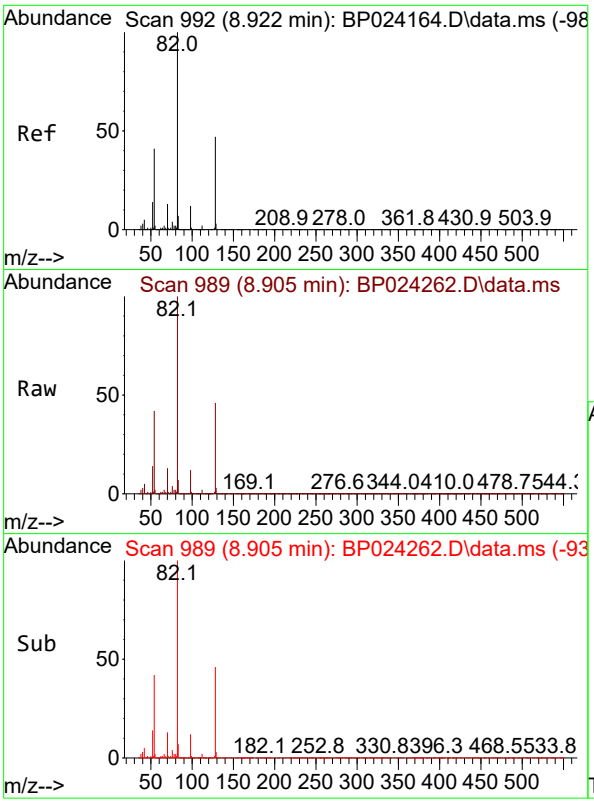


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1266
Delta R.T. 0.006 min
Lab File: BP024262.D
Acq: 11 Apr 2025 11:45

Tgt Ion:136 Resp: 988900

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	7.2	5.3	7.9
68	7.1	5.0	7.4



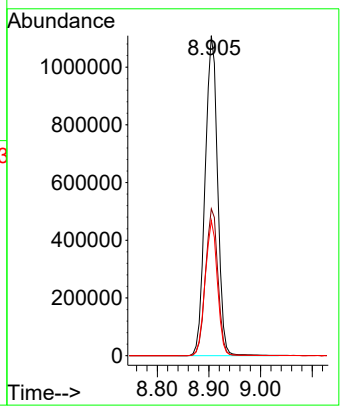


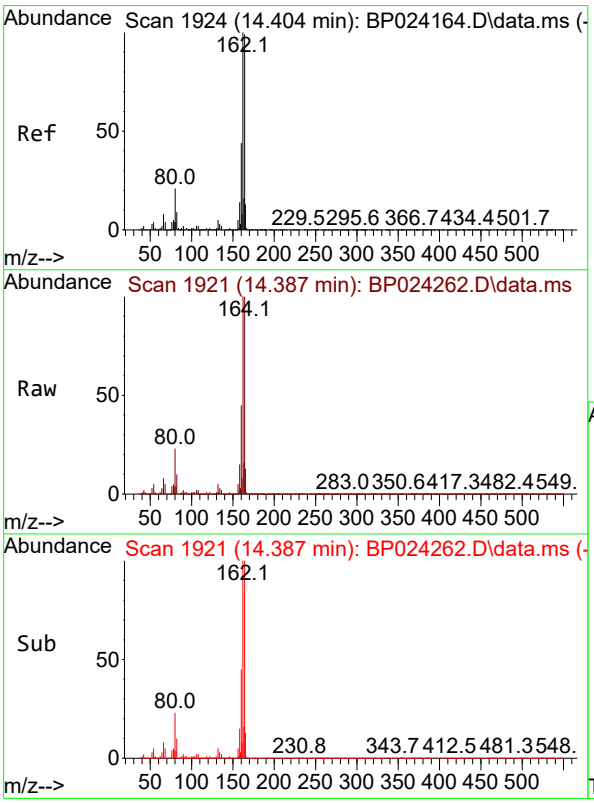
#23
Nitrobenzene-d5
Concen: 106.088 ng
RT: 8.905 min Scan# 9
Delta R.T. 0.012 min
Lab File: BP024262.D
Acq: 11 Apr 2025 11:45

Instrument :
BNA_P
ClientSampleId :
PB167517TB

Tgt Ion: 82 Resp: 1859413

Ion	Ratio	Lower	Upper
82	100		
128	45.9	37.4	56.0
54	42.2	32.5	48.7

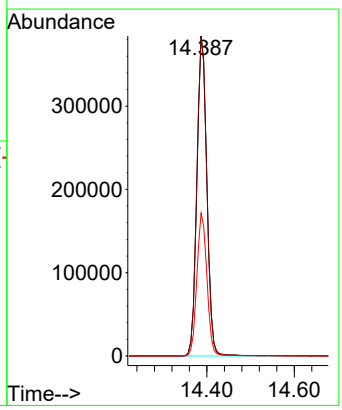


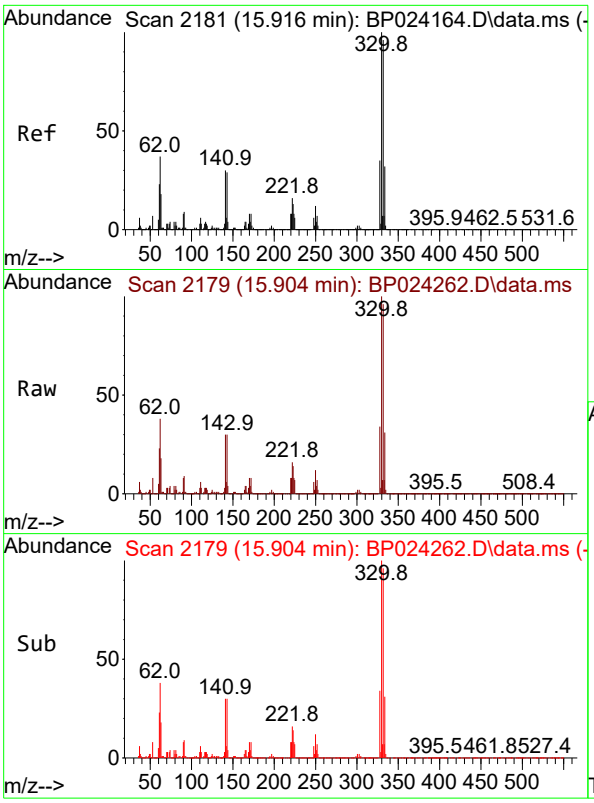


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.387 min Scan# 1921
Delta R.T. -0.006 min
Lab File: BP024262.D
Acq: 11 Apr 2025 11:45

Tgt Ion:164 Resp: 609073

Ion	Ratio	Lower	Upper
164	100		
162	99.7	80.6	121.0
160	44.6	35.4	53.2



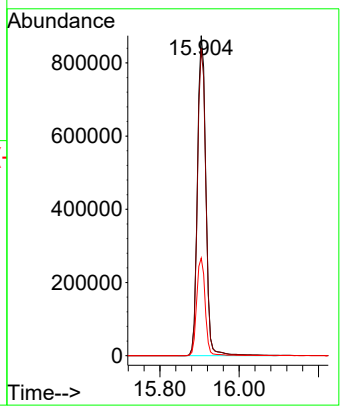


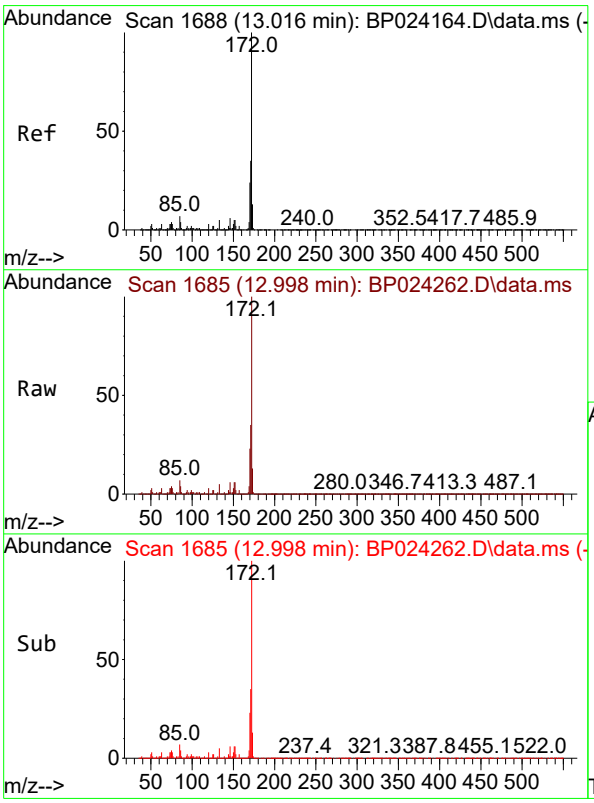
#42
2,4,6-Tribromophenol
Concen: 167.490 ng
RT: 15.904 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024262.D
Acq: 11 Apr 2025 11:45

Instrument :
BNA_P
ClientSampleId :
PB167517TB

Tgt Ion:330 Resp: 1284993

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.6	116.4
141	30.8	25.0	37.6

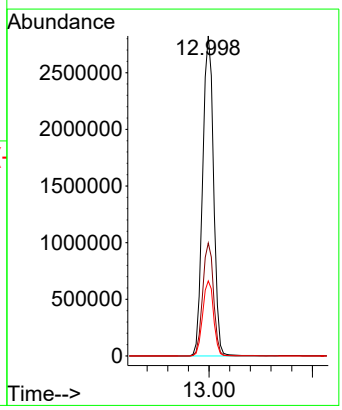


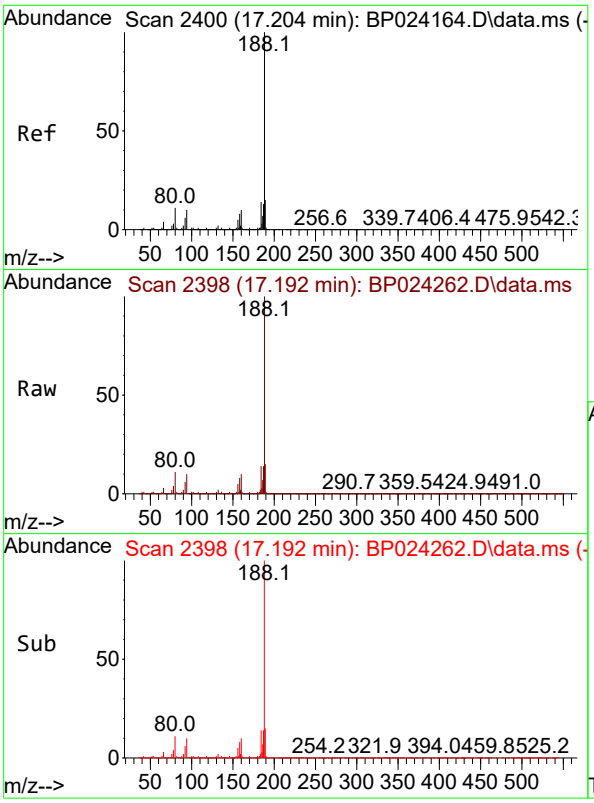


#45
2-Fluorobiphenyl
Concen: 100.337 ng
RT: 12.998 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BP024262.D
Acq: 11 Apr 2025 11:45

Tgt Ion:172 Resp: 4144556

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.3	42.5
170	23.5	19.0	28.4



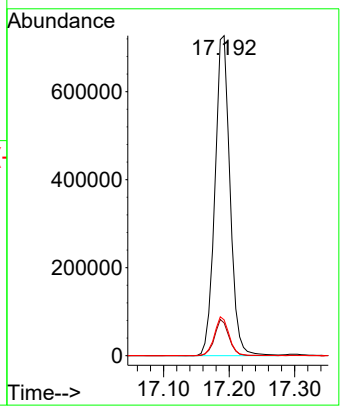


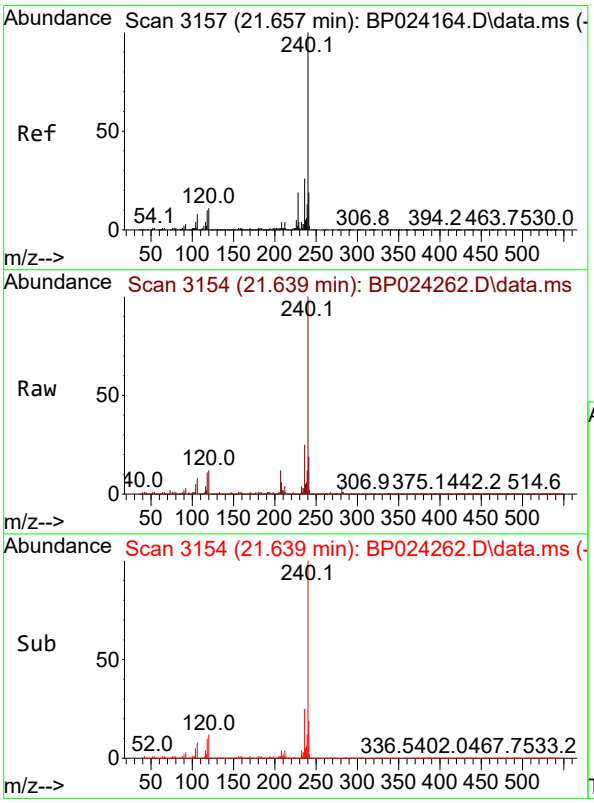
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024262.D
Acq: 11 Apr 2025 11:45

Instrument :
BNA_P
ClientSampleId :
PB167517TB

Tgt Ion:188 Resp: 1154897

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.1	12.1
80	11.2	8.9	13.3

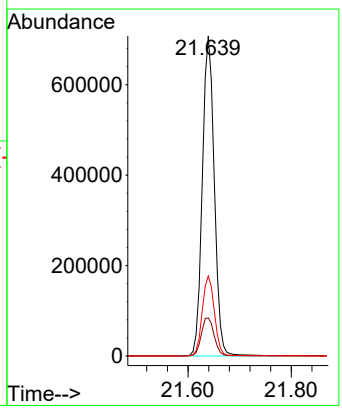


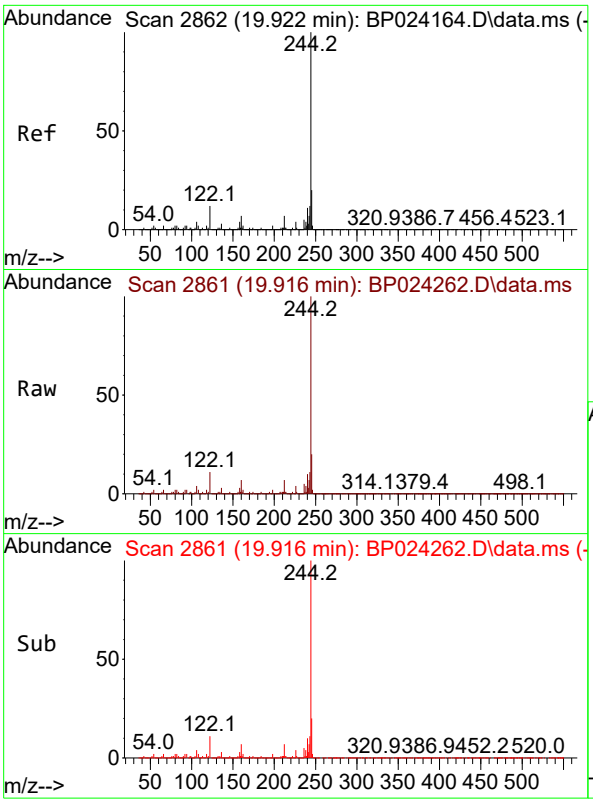


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.639 min Scan# 3154
Delta R.T. -0.006 min
Lab File: BP024262.D
Acq: 11 Apr 2025 11:45

Tgt Ion:240 Resp: 1137897

Ion	Ratio	Lower	Upper
240	100		
120	11.9	9.2	13.8
236	25.0	20.4	30.6



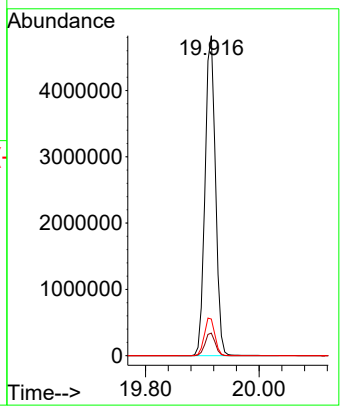


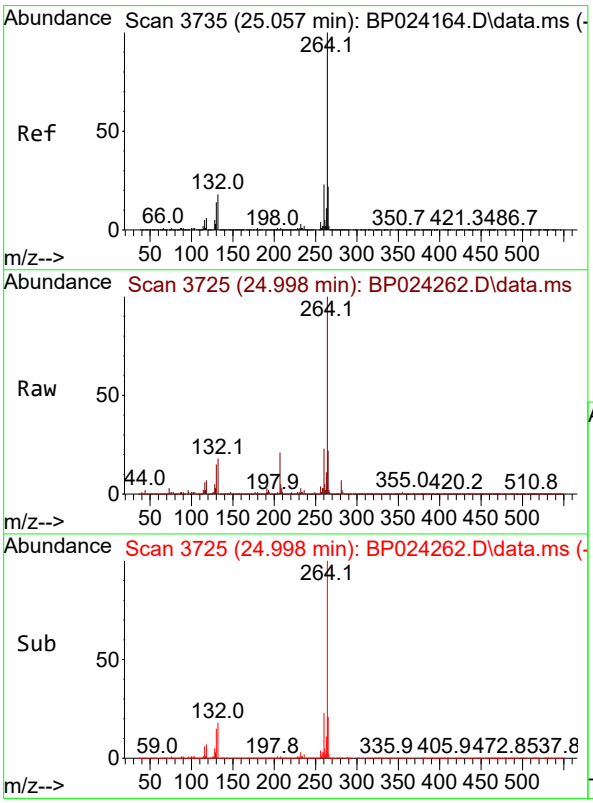
#79
Terphenyl-d14
Concen: 110.862 ng
RT: 19.916 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024262.D
Acq: 11 Apr 2025 11:45

Instrument :
BNA_P
ClientSampleId :
PB167517TB

Tgt Ion:244 Resp: 6111210

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	11.4	9.6	14.4

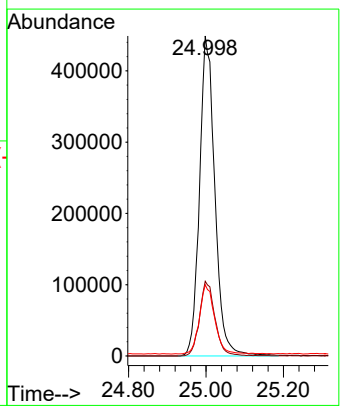




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.998 min Scan# 3725
Delta R.T. -0.012 min
Lab File: BP024262.D
Acq: 11 Apr 2025 11:45

Tgt Ion:264 Resp: 1235221

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.5	27.7
265	22.2	17.7	26.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024269.D
Acq On : 11 Apr 2025 17:02
Operator : RC/JU
Sample : Q1744-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-158-SB01

Quant Time: Apr 11 17:41:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration

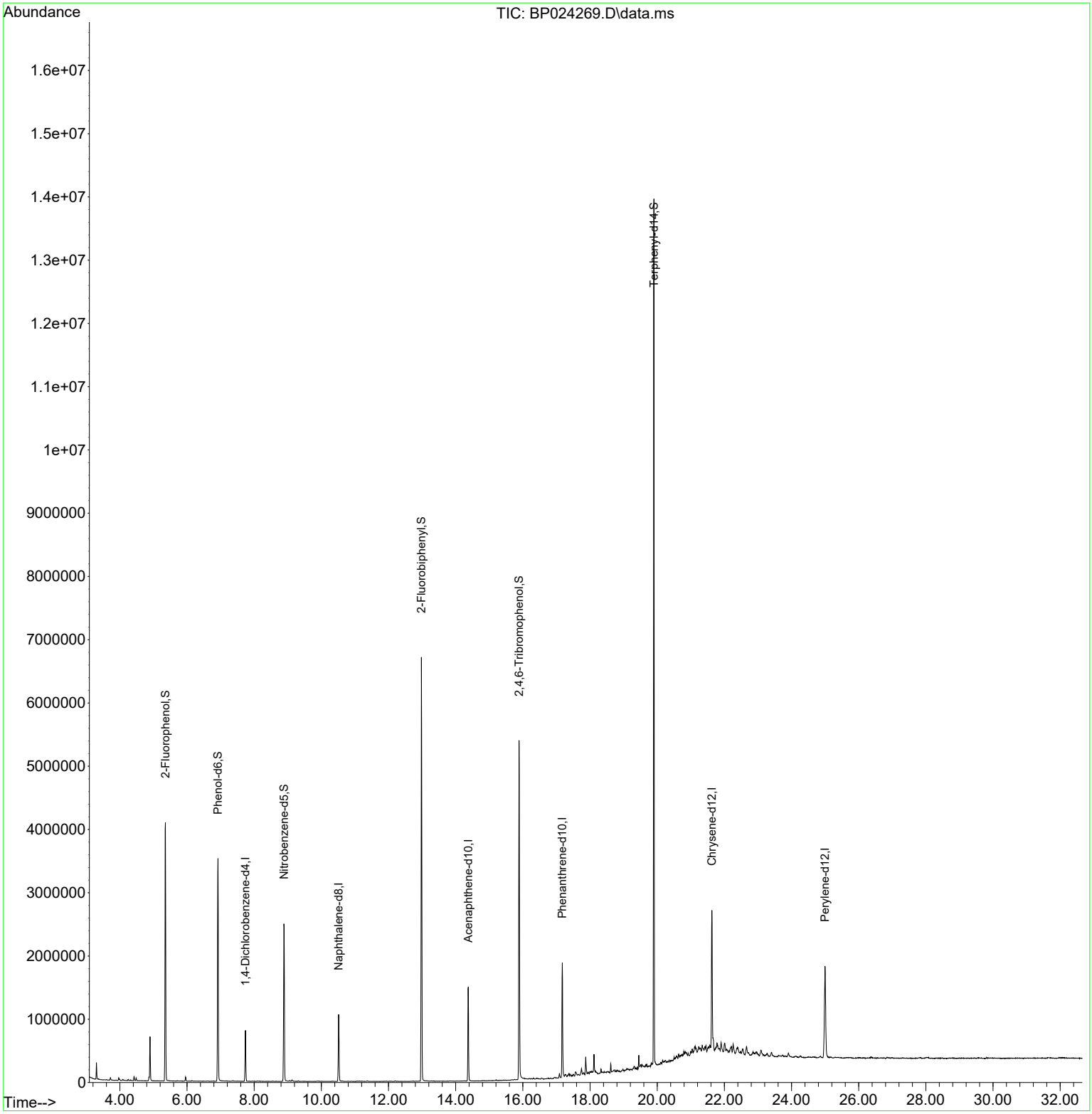
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	220580	20.000	ng	0.00
21) Naphthalene-d8	10.516	136	853855	20.000	ng	-0.01
39) Acenaphthene-d10	14.375	164	516666	20.000	ng	-0.02
64) Phenanthrene-d10	17.175	188	1056169	20.000	ng	-0.02
76) Chrysene-d12	21.627	240	1289354	20.000	ng	-0.02
86) Perylene-d12	24.998	264	1408891	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	1854544	134.209	ng	0.00
7) Phenol-d6	6.922	99	2140587	115.841	ng	0.00
23) Nitrobenzene-d5	8.887	82	1513727	100.024	ng	0.00
42) 2,4,6-Tribromophenol	15.886	330	1095723	168.364	ng	-0.01
45) 2-Fluorobiphenyl	12.981	172	3262264	93.103	ng	-0.02
79) Terphenyl-d14	19.904	244	6161568	98.645	ng	-0.01
Target Compounds						Qvalue

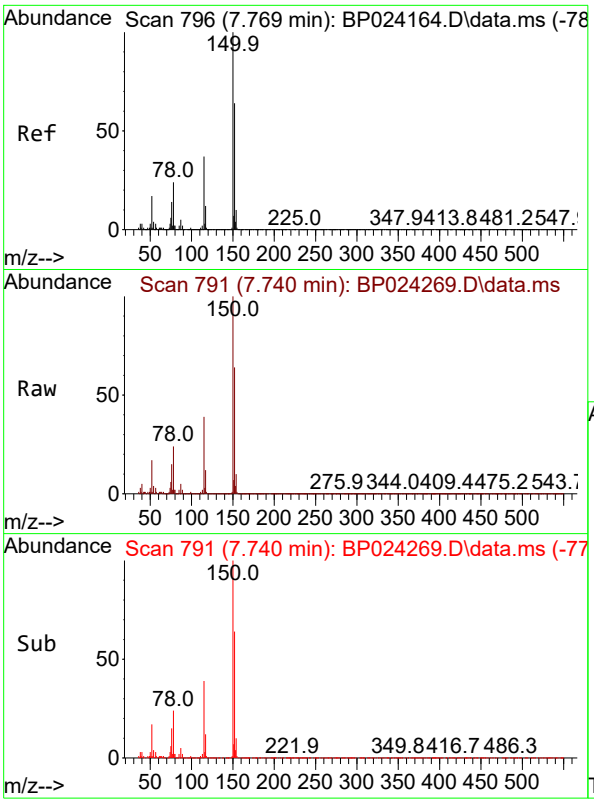
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024269.D
Acq On : 11 Apr 2025 17:02
Operator : RC/JU
Sample : Q1744-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-158-SB01

Quant Time: Apr 11 17:41:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration



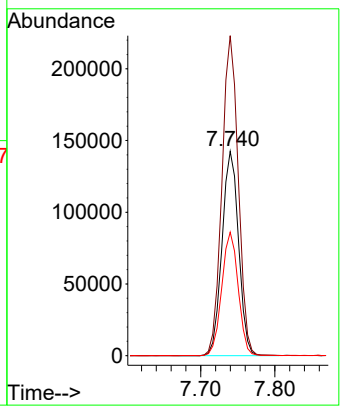


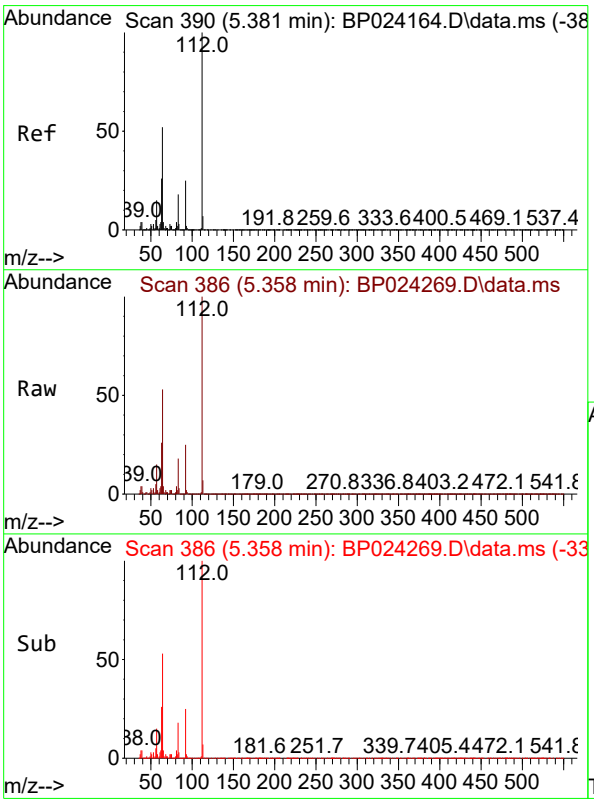
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024269.D
Acq: 11 Apr 2025 17:02

Instrument :
BNA_P
ClientSampleId :
B-158-SB01

Tgt Ion:152 Resp: 220580

Ion	Ratio	Lower	Upper
152	100		
150	156.6	125.5	188.3
115	60.5	46.3	69.5

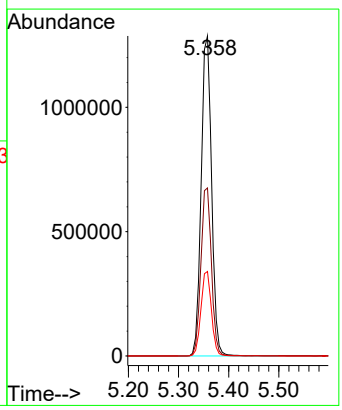


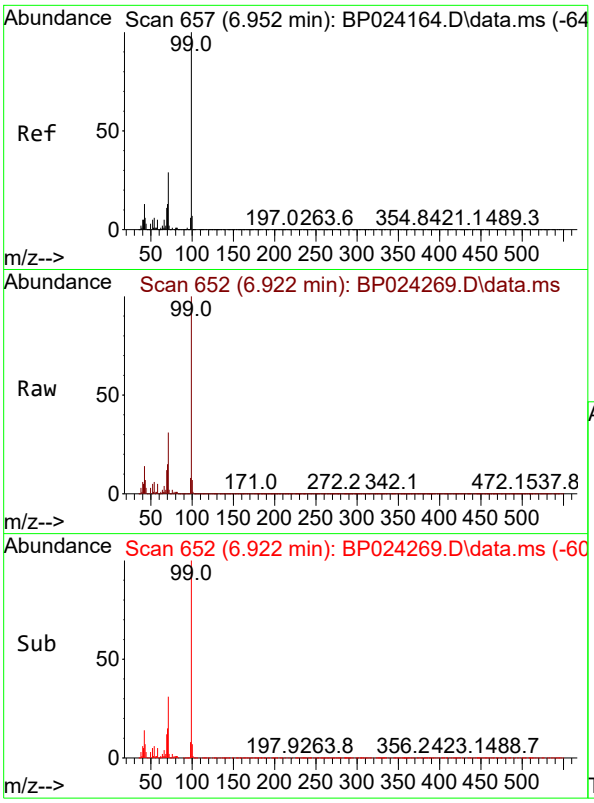


#5
2-Fluorophenol
Concen: 134.209 ng
RT: 5.358 min Scan# 386
Delta R.T. 0.000 min
Lab File: BP024269.D
Acq: 11 Apr 2025 17:02

Tgt Ion:112 Resp: 1854544

Ion	Ratio	Lower	Upper
112	100		
64	52.5	41.3	61.9
63	26.4	20.6	31.0



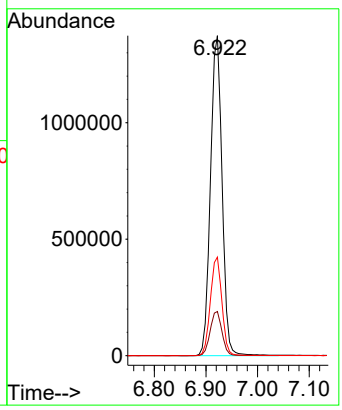


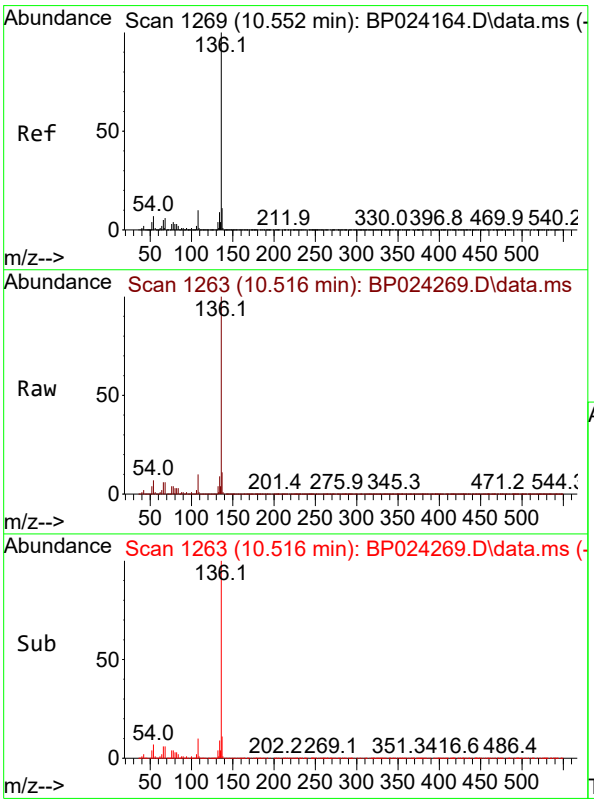
#7
Phenol-d6
Concen: 115.841 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024269.D
Acq: 11 Apr 2025 17:02

Instrument :
BNA_P
ClientSampleId :
B-158-SB01

Tgt Ion: 99 Resp: 2140587

Ion	Ratio	Lower	Upper
99	100		
42	13.8	10.6	16.0
71	30.8	23.3	34.9

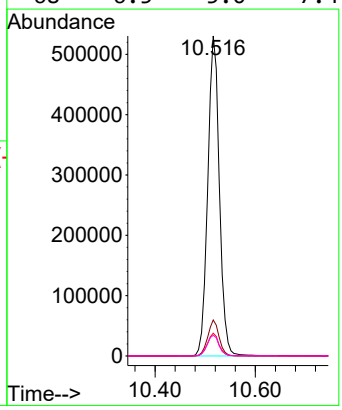


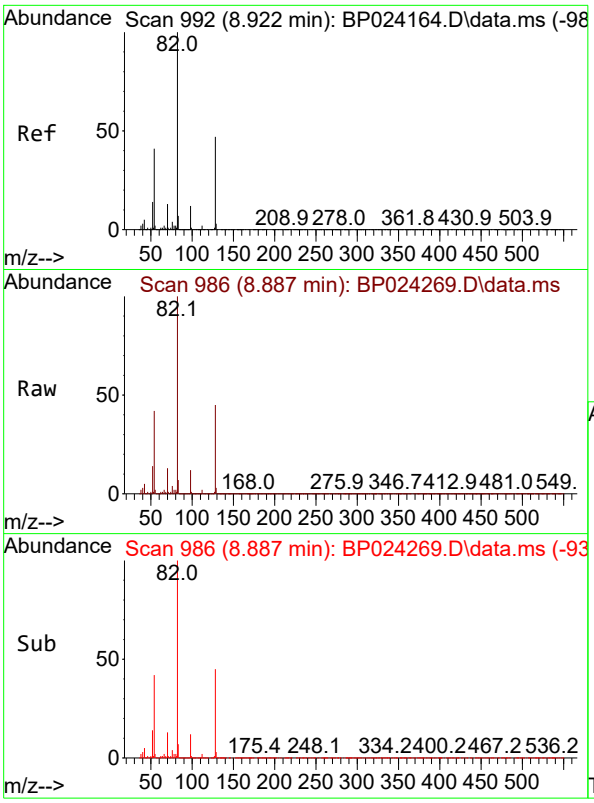


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1263
Delta R.T. -0.012 min
Lab File: BP024269.D
Acq: 11 Apr 2025 17:02

Tgt Ion:136 Resp: 853855

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	7.1	5.3	7.9
68	6.5	5.0	7.4



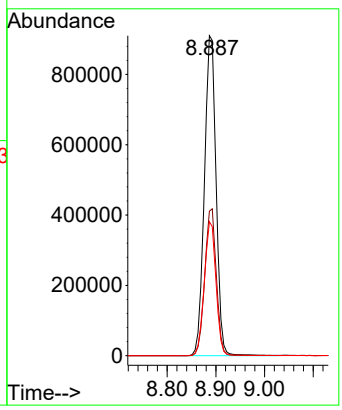


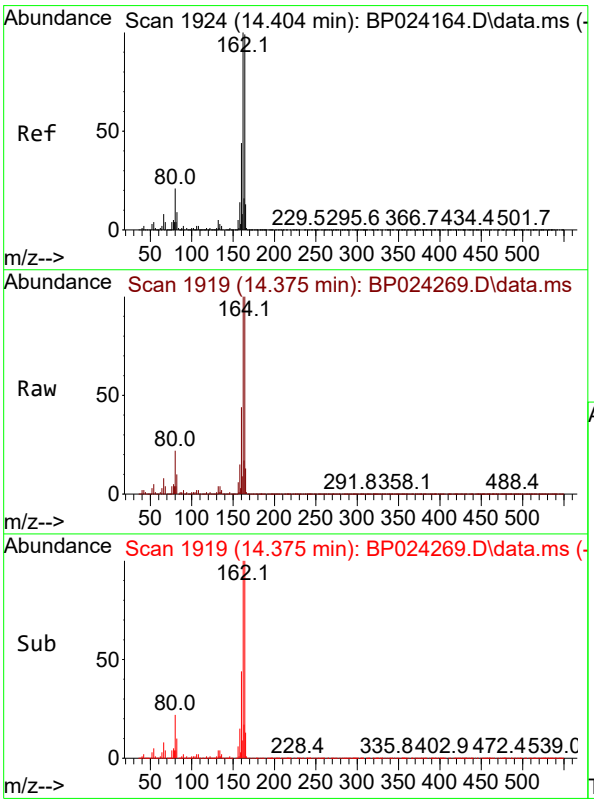
#23
Nitrobenzene-d5
Concen: 100.024 ng
RT: 8.887 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024269.D
Acq: 11 Apr 2025 17:02

Instrument :
BNA_P
ClientSampleId :
B-158-SB01

Tgt Ion: 82 Resp: 1513727

Ion	Ratio	Lower	Upper
82	100		
128	45.1	37.4	56.0
54	41.9	32.5	48.7

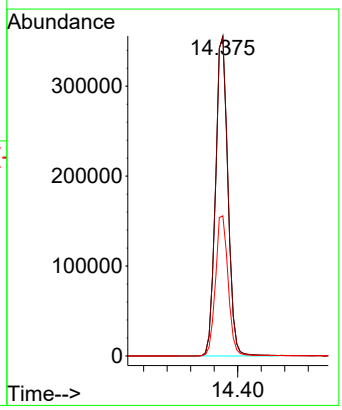


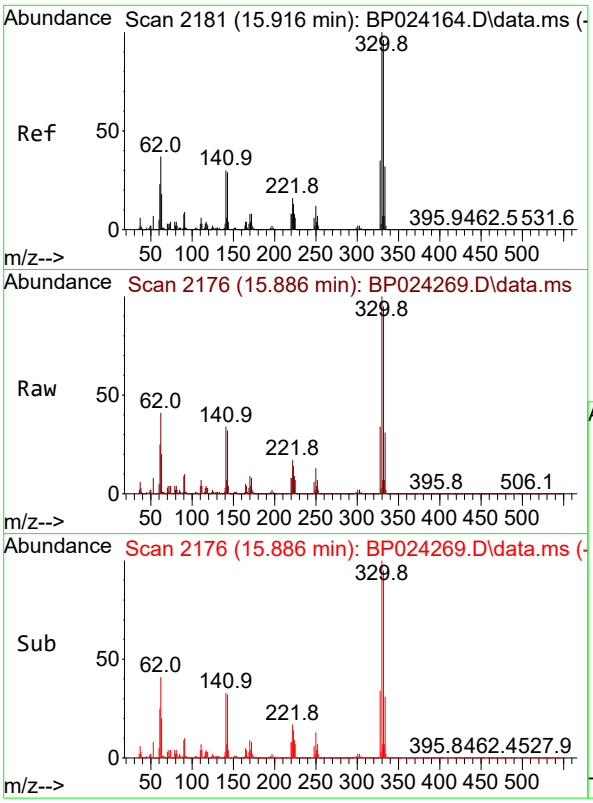


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.375 min Scan# 1919
Delta R.T. -0.018 min
Lab File: BP024269.D
Acq: 11 Apr 2025 17:02

Tgt Ion:164 Resp: 516666

Ion	Ratio	Lower	Upper
164	100		
162	99.6	80.6	121.0
160	43.8	35.4	53.2



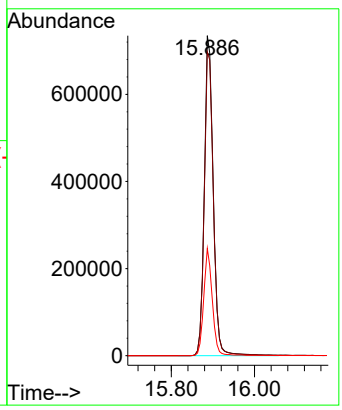


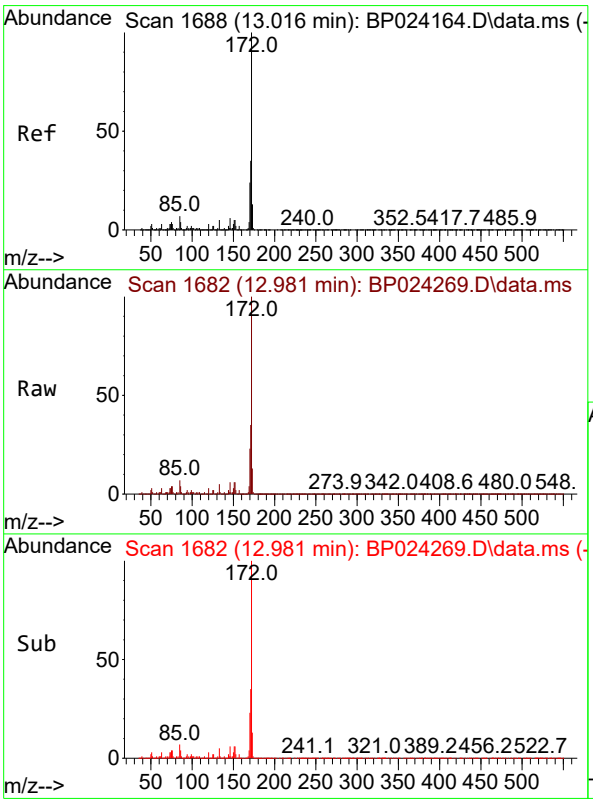
#42
2,4,6-Tribromophenol
Concen: 168.364 ng
RT: 15.886 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024269.D
Acq: 11 Apr 2025 17:02

Instrument :
BNA_P
ClientSampleId :
B-158-SB01

Tgt Ion:330 Resp: 1095723

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.6	116.4
141	32.2	25.0	37.6

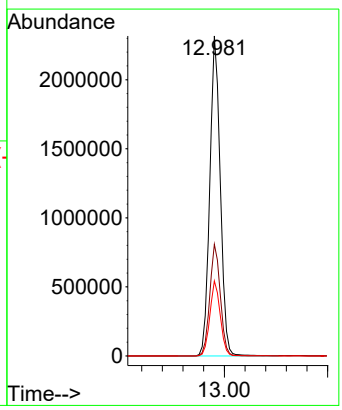


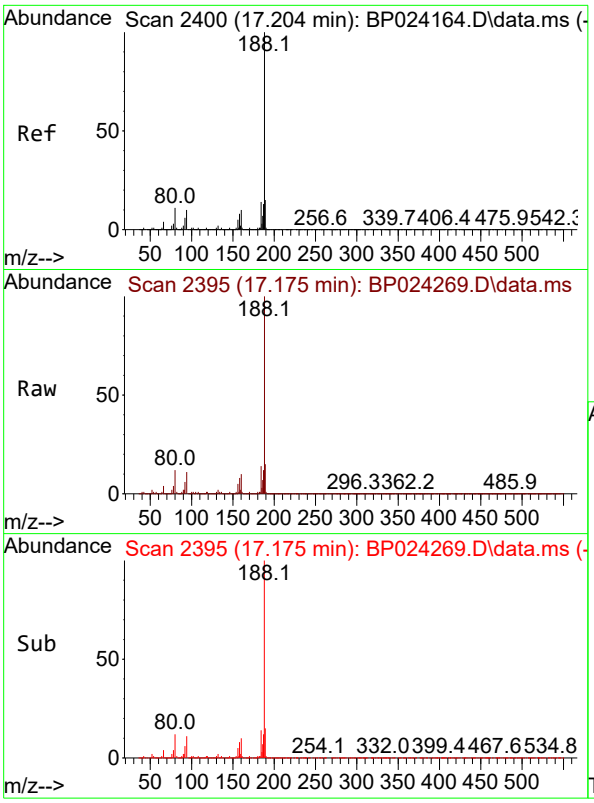


#45
2-Fluorobiphenyl
Concen: 93.103 ng
RT: 12.981 min Scan# 1682
Delta R.T. -0.018 min
Lab File: BP024269.D
Acq: 11 Apr 2025 17:02

Tgt Ion:172 Resp: 3262264

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.3	42.5
170	23.5	19.0	28.4



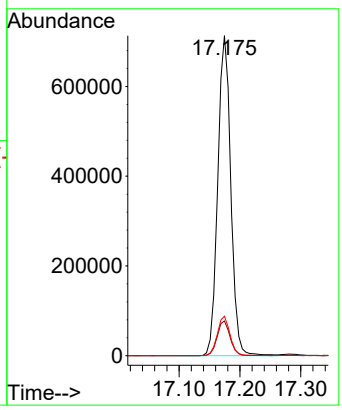


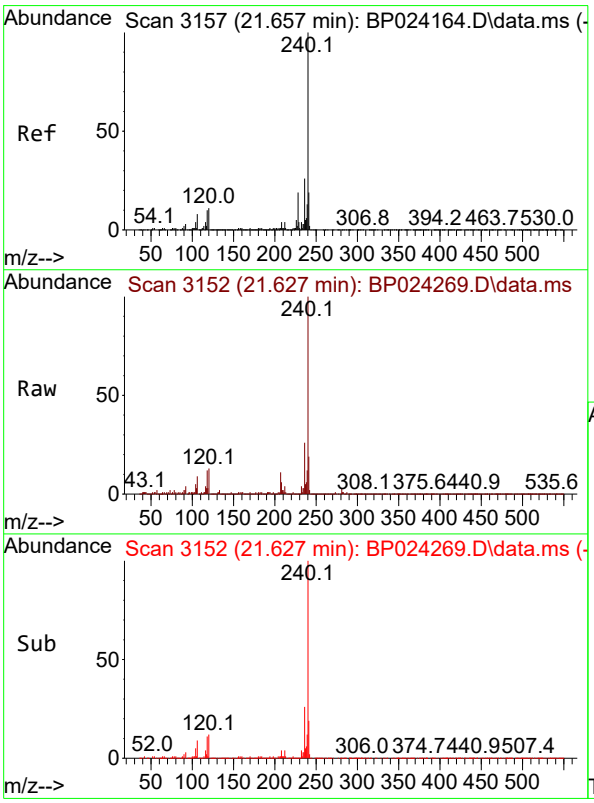
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.175 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024269.D
Acq: 11 Apr 2025 17:02

Instrument :
BNA_P
ClientSampleId :
B-158-SB01

Tgt Ion:188 Resp: 1056169

Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.1	12.1
80	12.3	8.9	13.3

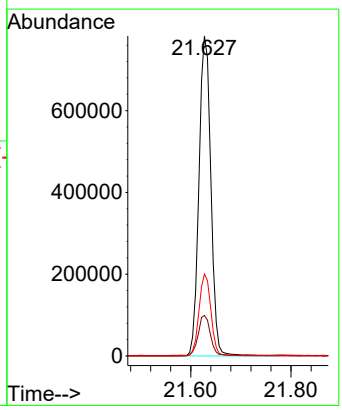


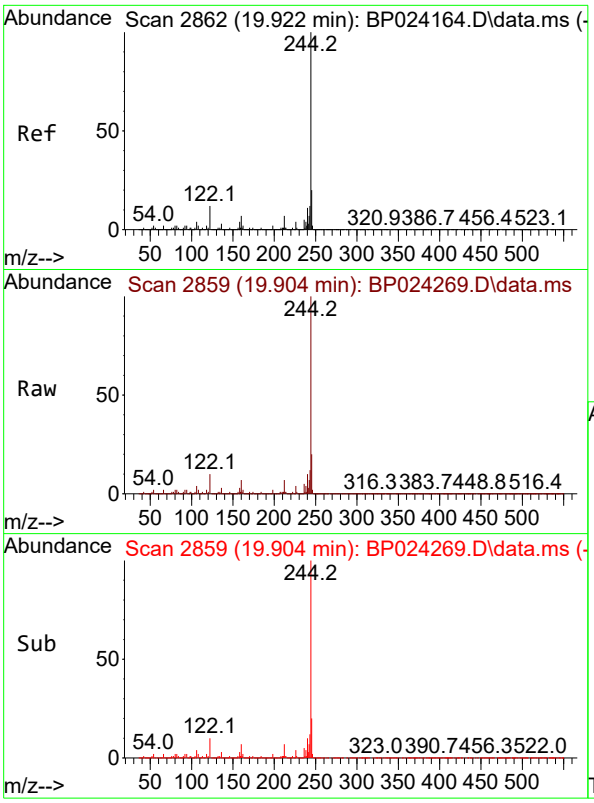


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.627 min Scan# 3152
Delta R.T. -0.018 min
Lab File: BP024269.D
Acq: 11 Apr 2025 17:02

Tgt Ion:240 Resp: 1289354

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.2	13.8
236	25.6	20.4	30.6



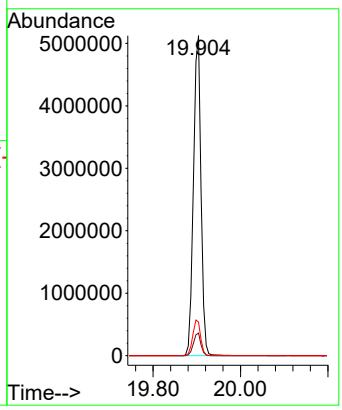


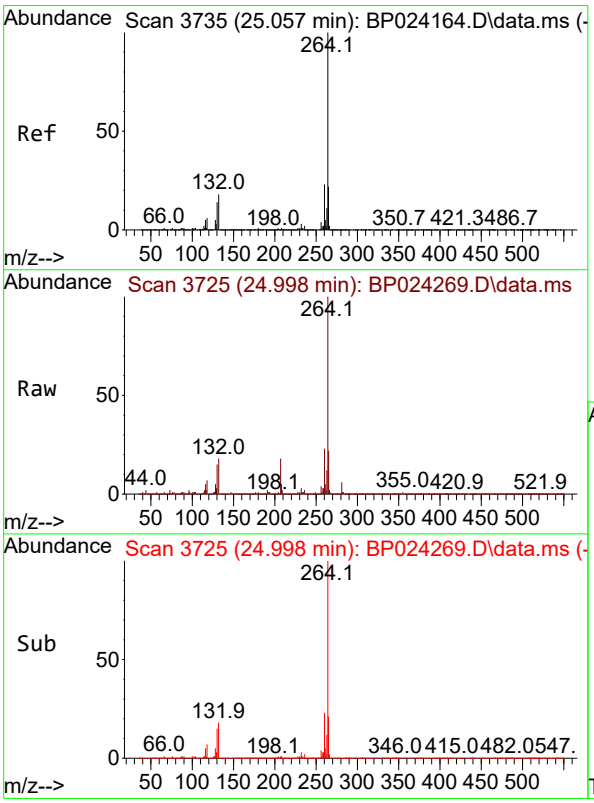
#79
Terphenyl-d14
Concen: 98.645 ng
RT: 19.904 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024269.D
Acq: 11 Apr 2025 17:02

Instrument :
BNA_P
ClientSampleId :
B-158-SB01

Tgt Ion:244 Resp: 6161568

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	10.5	9.6	14.4

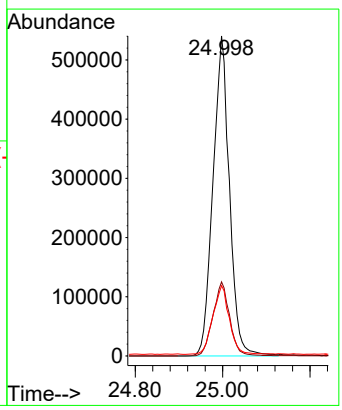




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.998 min Scan# 3725
Delta R.T. -0.012 min
Lab File: BP024269.D
Acq: 11 Apr 2025 17:02

Tgt Ion:264 Resp: 1408891

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	21.9	17.7	26.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024270.D
Acq On : 11 Apr 2025 17:42
Operator : RC/JU
Sample : Q1744-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-158-SB02

Quant Time: Apr 11 18:25:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration

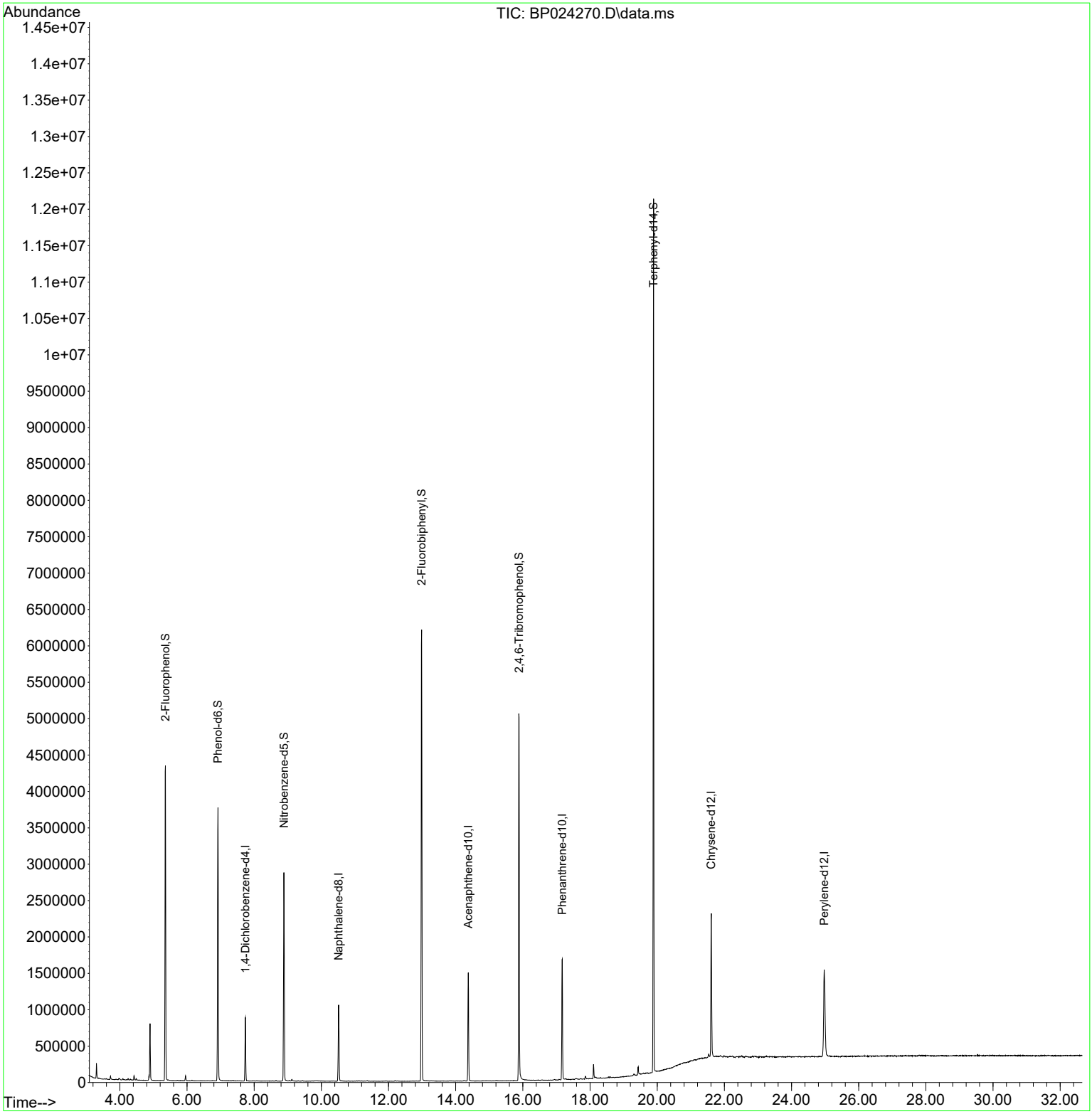
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	241596	20.000	ng	0.00
21) Naphthalene-d8	10.516	136	924650	20.000	ng	-0.01
39) Acenaphthene-d10	14.375	164	524708	20.000	ng	-0.02
64) Phenanthrene-d10	17.175	188	1030674	20.000	ng	-0.02
76) Chrysene-d12	21.610	240	1146421	20.000	ng	-0.04
86) Perylene-d12	24.974	264	1313027	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	1998621	132.054	ng	0.00
7) Phenol-d6	6.922	99	2292170	113.253	ng	0.00
23) Nitrobenzene-d5	8.887	82	1656466	101.076	ng	0.00
42) 2,4,6-Tribromophenol	15.887	330	1043223	157.840	ng	-0.01
45) 2-Fluorobiphenyl	12.987	172	3429390	96.372	ng	-0.01
79) Terphenyl-d14	19.892	244	5592269	100.693	ng	-0.02
Target Compounds						Qvalue

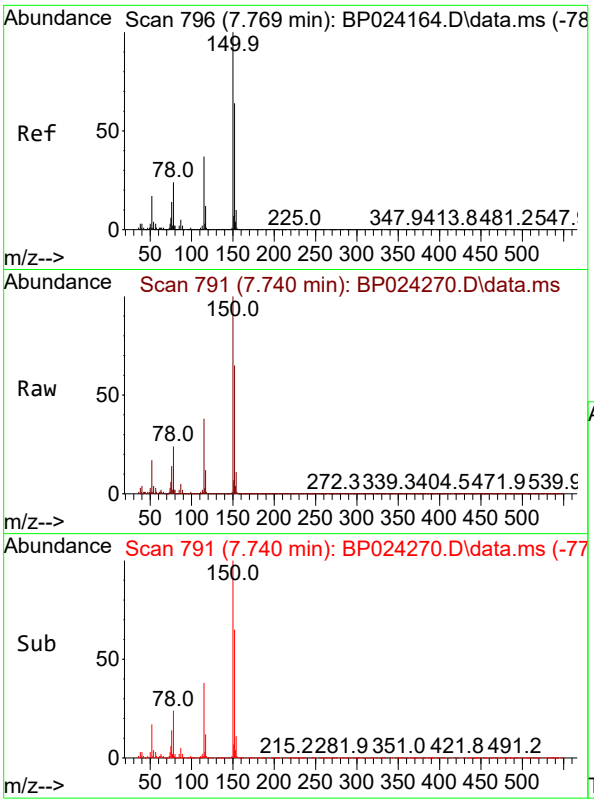
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024270.D
Acq On : 11 Apr 2025 17:42
Operator : RC/JU
Sample : Q1744-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-158-SB02

Quant Time: Apr 11 18:25:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration



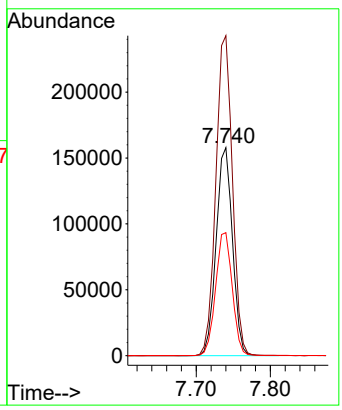


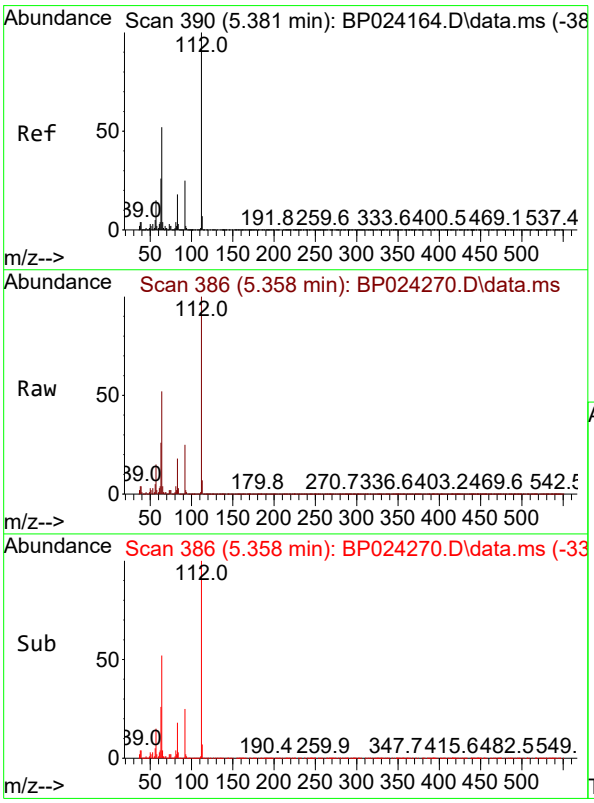
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024270.D
Acq: 11 Apr 2025 17:42

Instrument :
BNA_P
ClientSampleId :
B-158-SB02

Tgt Ion:152 Resp: 241596

Ion	Ratio	Lower	Upper
152	100		
150	153.9	125.5	188.3
115	59.2	46.3	69.5

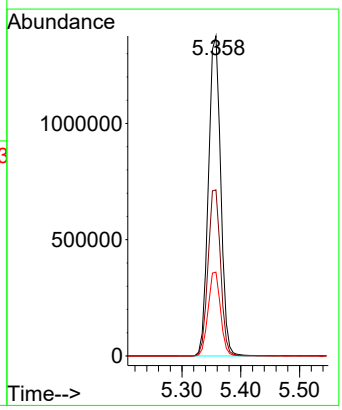


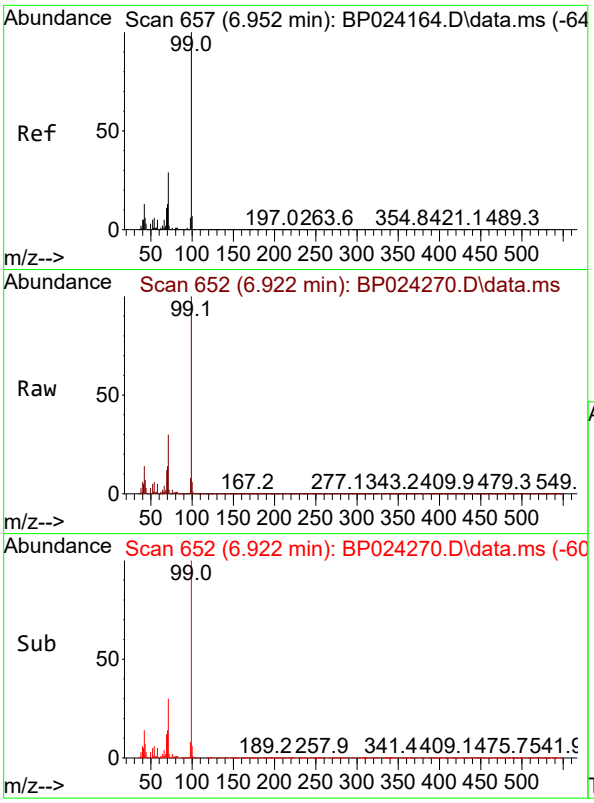


#5
2-Fluorophenol
Concen: 132.054 ng
RT: 5.358 min Scan# 386
Delta R.T. 0.000 min
Lab File: BP024270.D
Acq: 11 Apr 2025 17:42

Tgt Ion:112 Resp: 1998621

Ion	Ratio	Lower	Upper
112	100		
64	51.9	41.3	61.9
63	26.2	20.6	31.0



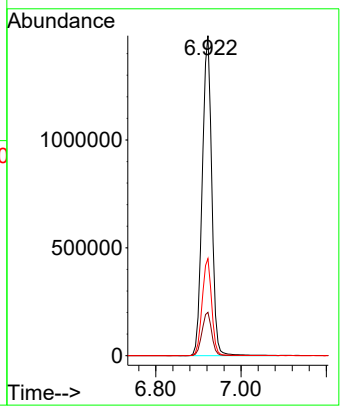


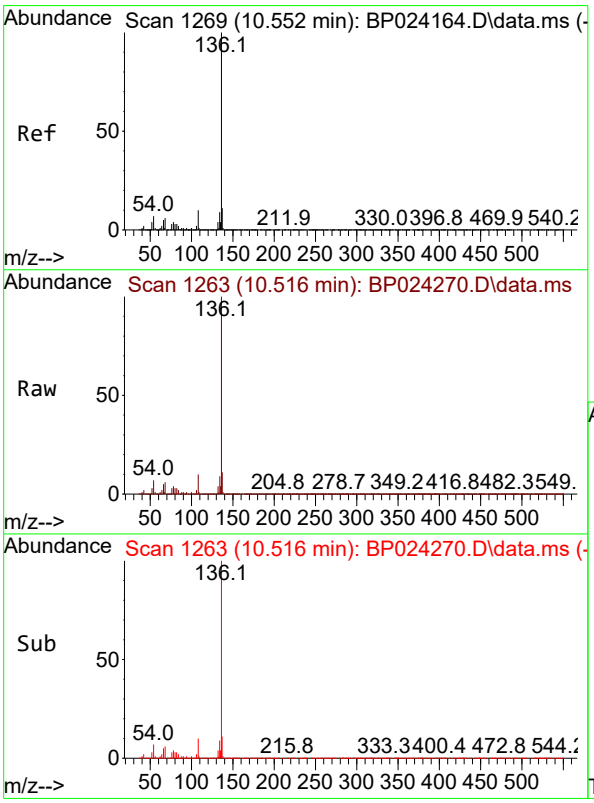
#7
Phenol-d6
Concen: 113.253 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024270.D
Acq: 11 Apr 2025 17:42

Instrument :
BNA_P
ClientSampleId :
B-158-SB02

Tgt Ion: 99 Resp: 2292170

Ion	Ratio	Lower	Upper
99	100		
42	13.5	10.6	16.0
71	30.4	23.3	34.9

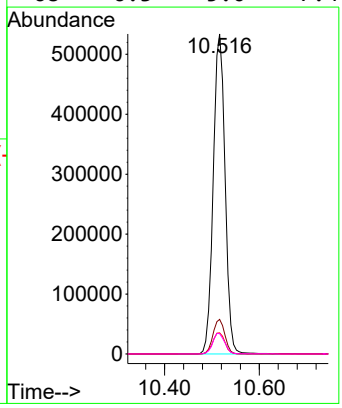


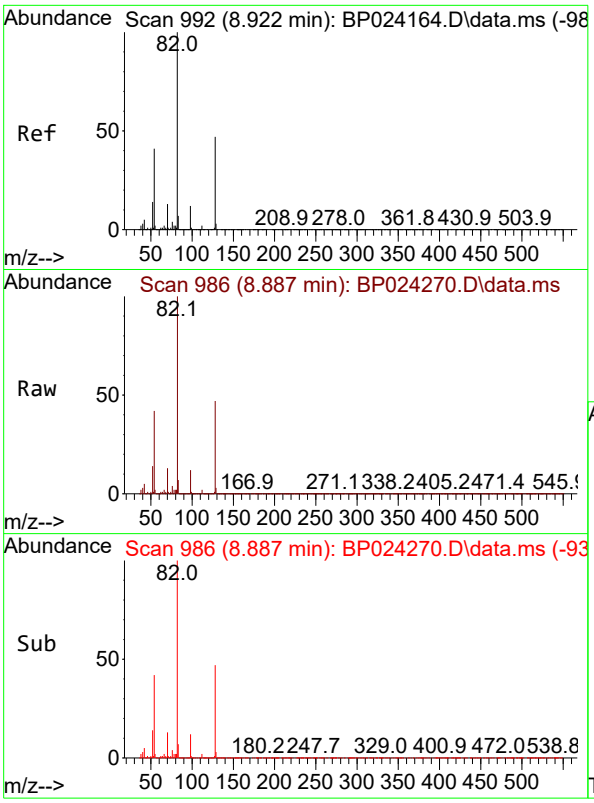


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1263
Delta R.T. -0.012 min
Lab File: BP024270.D
Acq: 11 Apr 2025 17:42

Tgt Ion:136 Resp: 924650

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	6.6	5.3	7.9
68	6.3	5.0	7.4



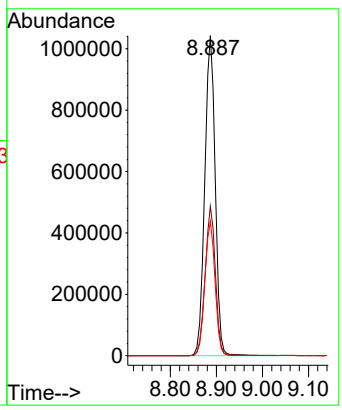


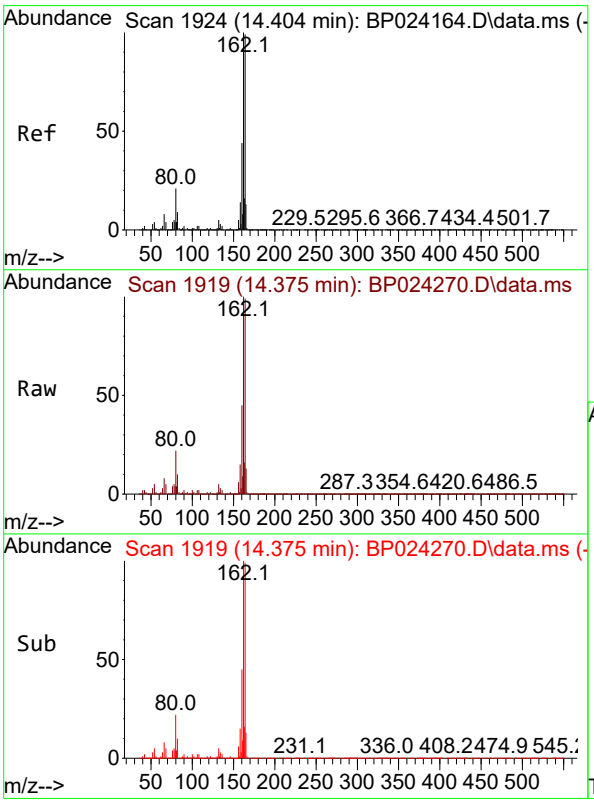
#23
Nitrobenzene-d5
Concen: 101.076 ng
RT: 8.887 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024270.D
Acq: 11 Apr 2025 17:42

Instrument :
BNA_P
ClientSampleId :
B-158-SB02

Tgt Ion: 82 Resp: 1656466

Ion	Ratio	Lower	Upper
82	100		
128	46.7	37.4	56.0
54	42.0	32.5	48.7

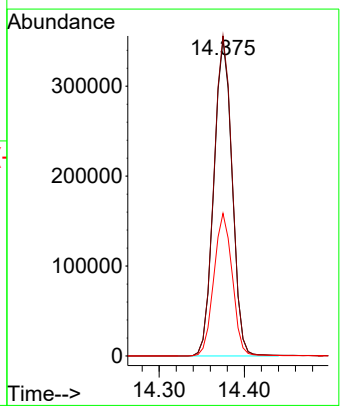


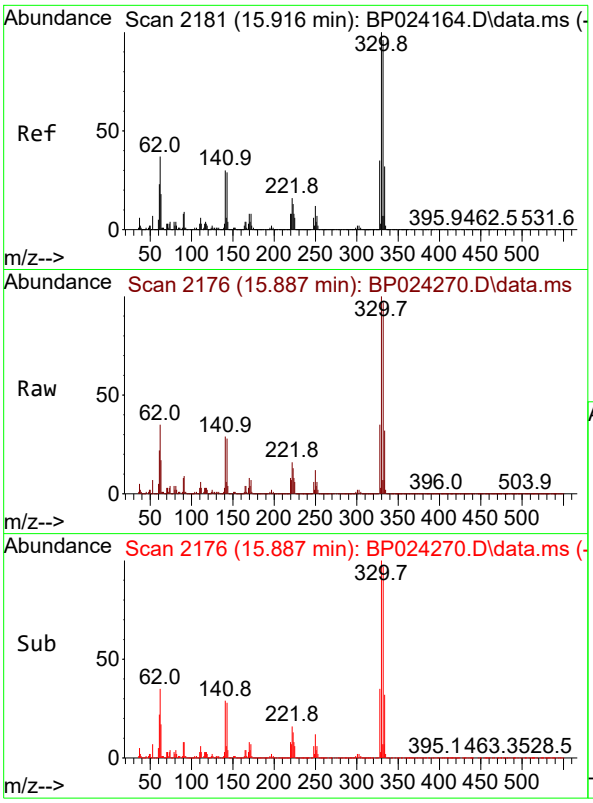


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.375 min Scan# 1919
Delta R.T. -0.017 min
Lab File: BP024270.D
Acq: 11 Apr 2025 17:42

Tgt Ion:164 Resp: 524708

Ion	Ratio	Lower	Upper
164	100		
162	101.2	80.6	121.0
160	45.1	35.4	53.2



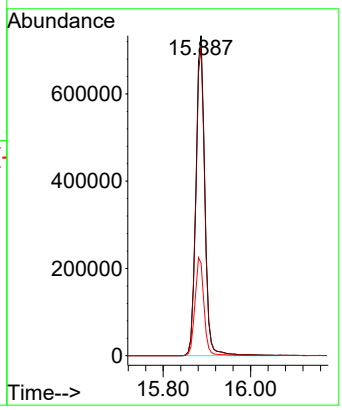


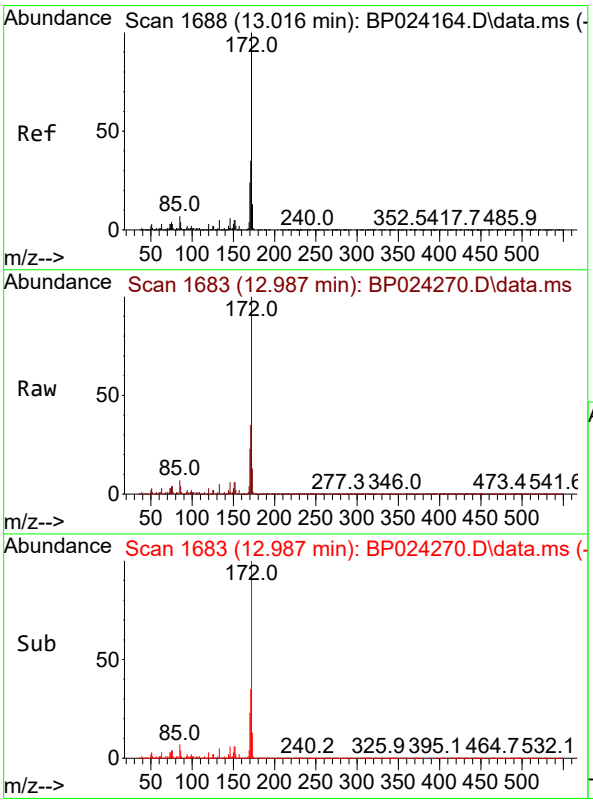
#42
2,4,6-Tribromophenol
Concen: 157.840 ng
RT: 15.887 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024270.D
Acq: 11 Apr 2025 17:42

Instrument :
BNA_P
ClientSampleId :
B-158-SB02

Tgt Ion:330 Resp: 1043223

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.6	116.4
141	31.1	25.0	37.6

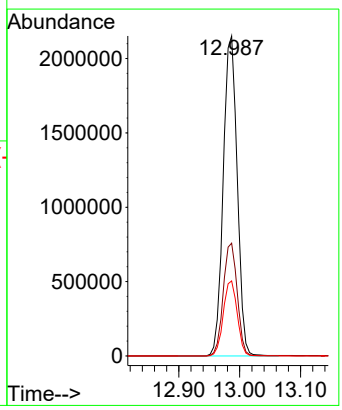


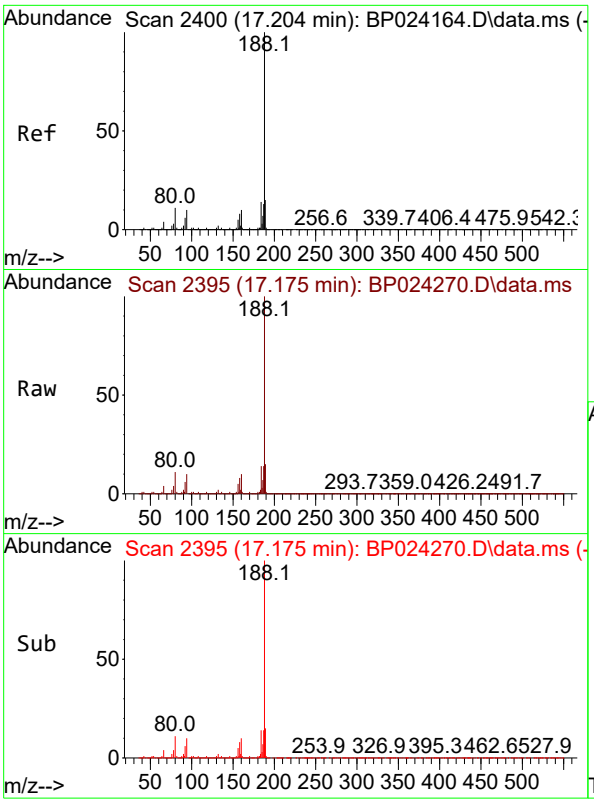


#45
2-Fluorobiphenyl
Concen: 96.372 ng
RT: 12.987 min Scan# 1683
Delta R.T. -0.012 min
Lab File: BP024270.D
Acq: 11 Apr 2025 17:42

Tgt Ion:172 Resp: 3429390

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.3	42.5
170	23.5	19.0	28.4



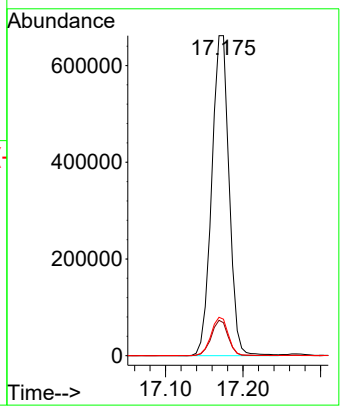


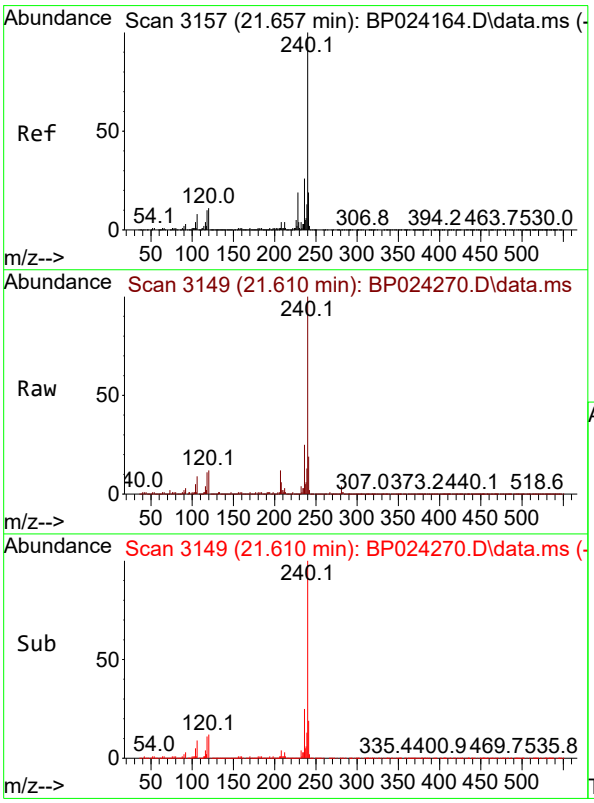
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.175 min Scan# 2
Delta R.T. -0.017 min
Lab File: BP024270.D
Acq: 11 Apr 2025 17:42

Instrument :
BNA_P
ClientSampleId :
B-158-SB02

Tgt Ion:188 Resp: 1030674

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.1	12.1
80	11.4	8.9	13.3

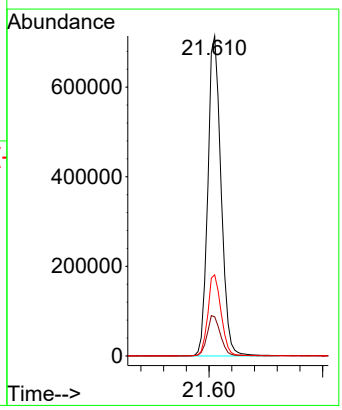


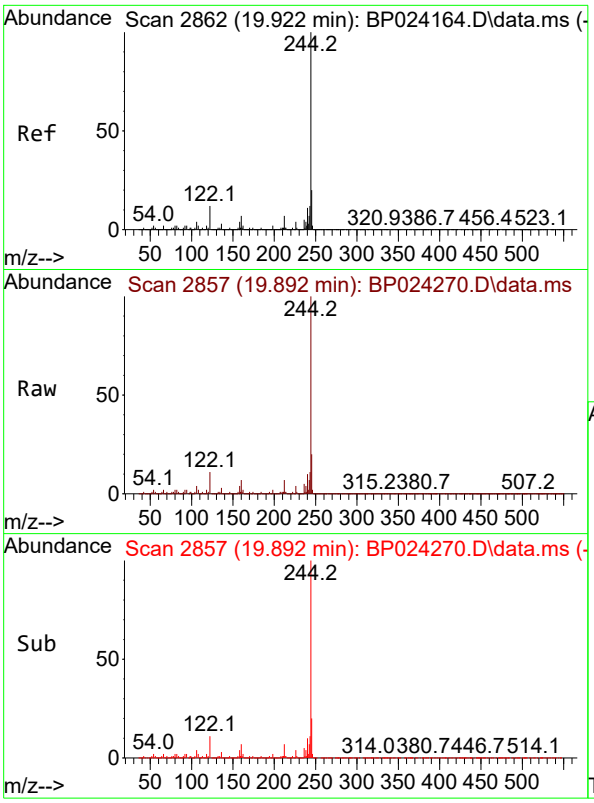


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.610 min Scan# 3149
Delta R.T. -0.035 min
Lab File: BP024270.D
Acq: 11 Apr 2025 17:42

Tgt Ion:240 Resp: 1146421

Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.2	13.8
236	25.3	20.4	30.6



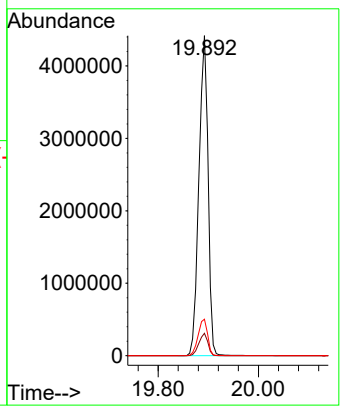


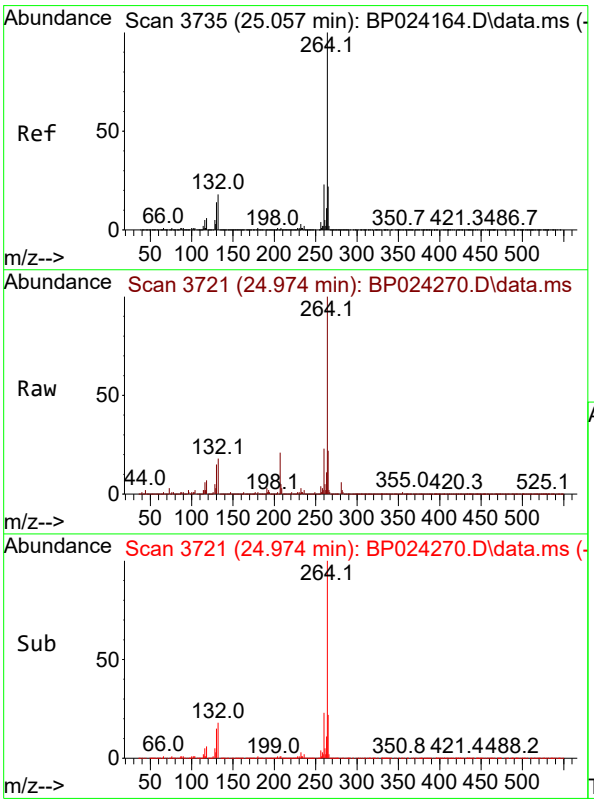
#79
Terphenyl-d14
Concen: 100.693 ng
RT: 19.892 min Scan# 2
Delta R.T. -0.023 min
Lab File: BP024270.D
Acq: 11 Apr 2025 17:42

Instrument :
BNA_P
ClientSampleId :
B-158-SB02

Tgt Ion:244 Resp: 5592269

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	11.4	9.6	14.4

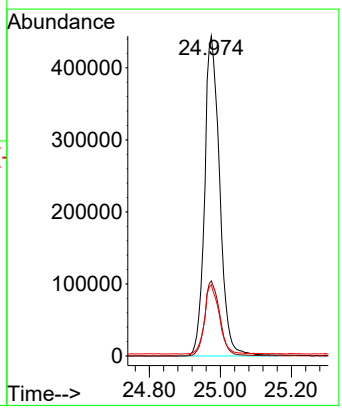




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.974 min Scan# 3721
Delta R.T. -0.035 min
Lab File: BP024270.D
Acq: 11 Apr 2025 17:42

Tgt Ion:264 Resp: 1313027

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.5	27.7
265	22.2	17.7	26.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024260.D
Acq On : 11 Apr 2025 10:23
Operator : RC/JU
Sample : PB167537BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167537BL

Quant Time: Apr 11 11:44:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration

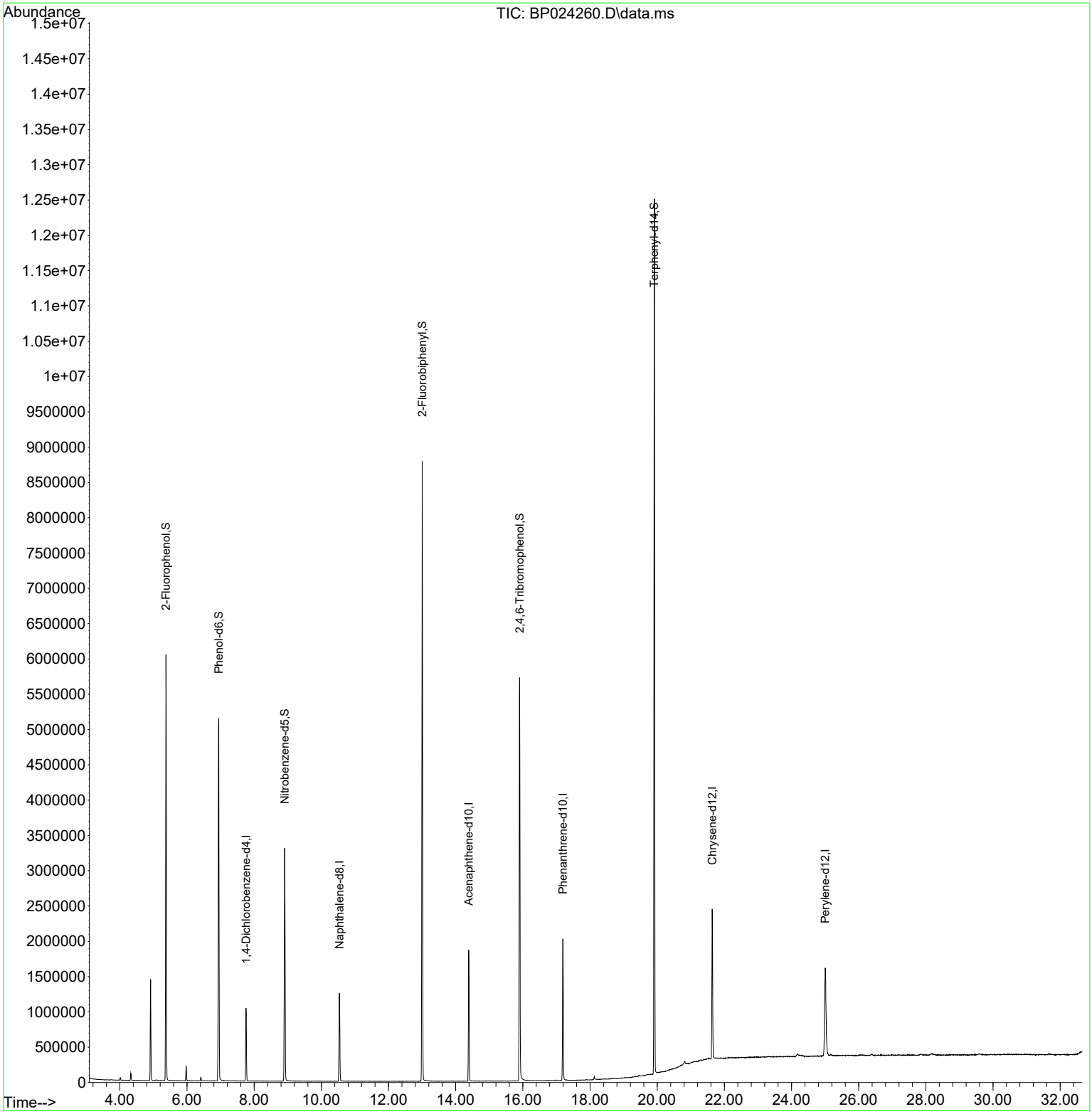
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.757	152	279458	20.000	ng	0.01
21) Naphthalene-d8	10.540	136	1100931	20.000	ng	0.01
39) Acenaphthene-d10	14.386	164	638188	20.000	ng	0.00
64) Phenanthrene-d10	17.192	188	1225652	20.000	ng	0.00
76) Chrysene-d12	21.639	240	1255527	20.000	ng	0.00
86) Perylene-d12	25.003	264	1409207	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	2704618	154.490	ng	0.02
7) Phenol-d6	6.946	99	3332016	142.326	ng	0.02
23) Nitrobenzene-d5	8.910	82	1999498	102.471	ng	0.02
42) 2,4,6-Tribromophenol	15.904	330	1311135	163.101	ng	0.00
45) 2-Fluorobiphenyl	13.004	172	4338513	100.241	ng	0.00
79) Terphenyl-d14	19.916	244	6507421	106.989	ng	0.00
Target Compounds						Qvalue

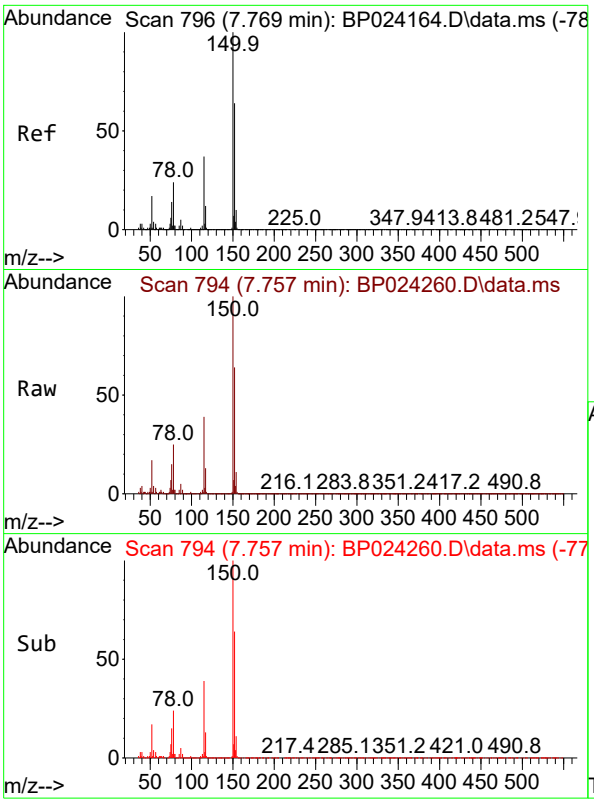
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024260.D
Acq On : 11 Apr 2025 10:23
Operator : RC/JU
Sample : PB167537BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167537BL

Quant Time: Apr 11 11:44:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration



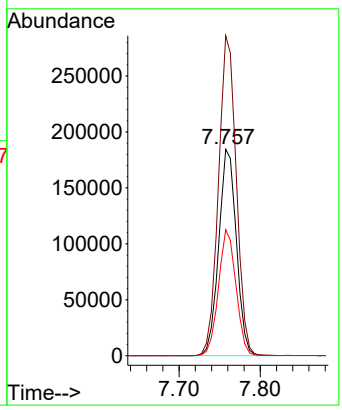


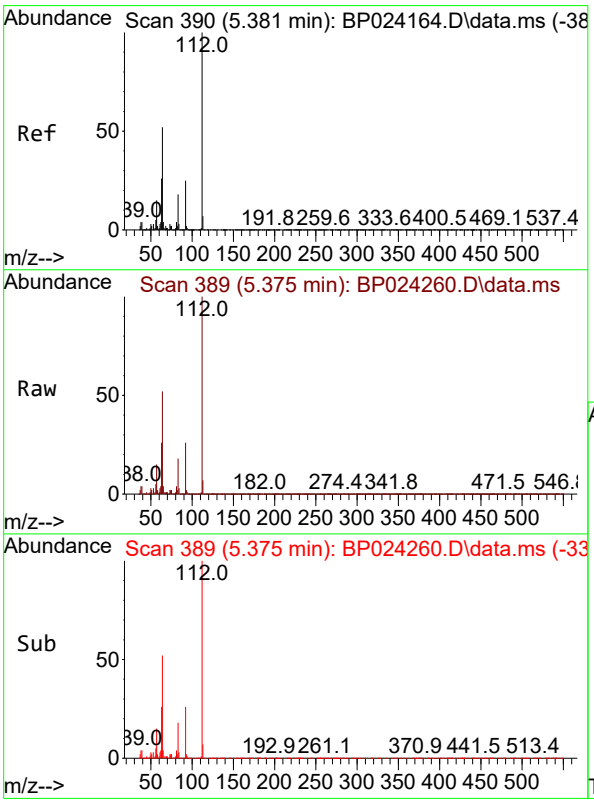
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.757 min Scan# 7
Delta R.T. 0.011 min
Lab File: BP024260.D
Acq: 11 Apr 2025 10:23

Instrument :
BNA_P
ClientSampleId :
PB167537BL

Tgt Ion:152 Resp: 279458

Ion	Ratio	Lower	Upper
152	100		
150	155.0	125.5	188.3
115	61.1	46.3	69.5

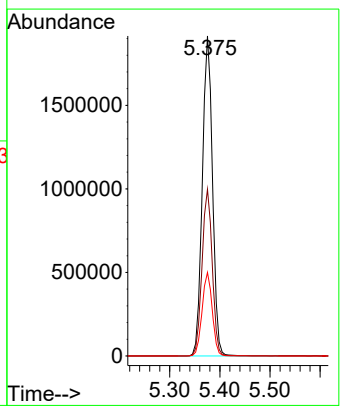


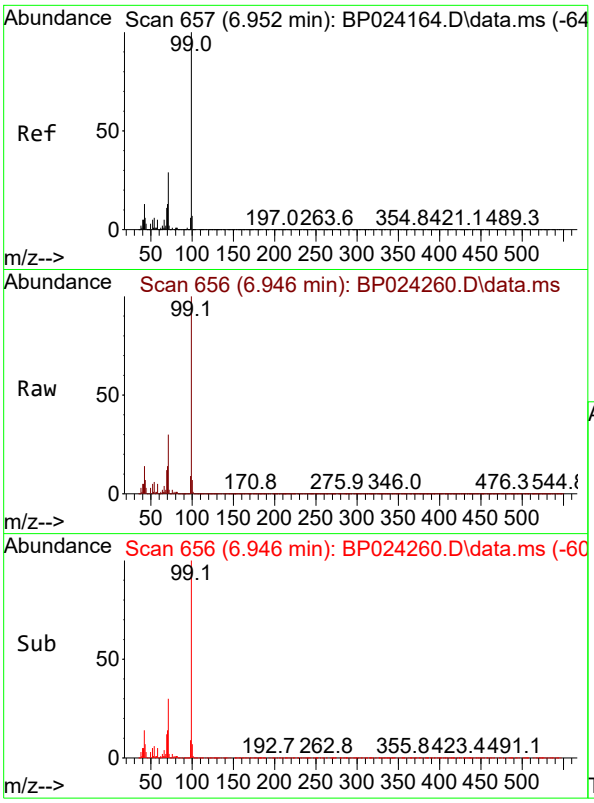


#5
2-Fluorophenol
Concen: 154.490 ng
RT: 5.375 min Scan# 389
Delta R.T. 0.018 min
Lab File: BP024260.D
Acq: 11 Apr 2025 10:23

Tgt Ion:112 Resp: 2704618

Ion	Ratio	Lower	Upper
112	100		
64	52.1	41.3	61.9
63	26.1	20.6	31.0



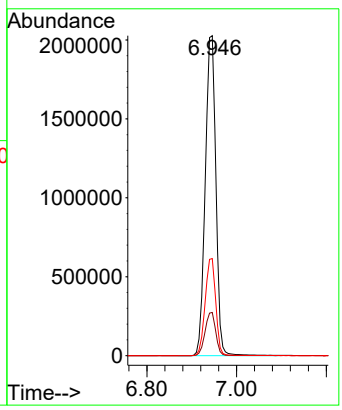


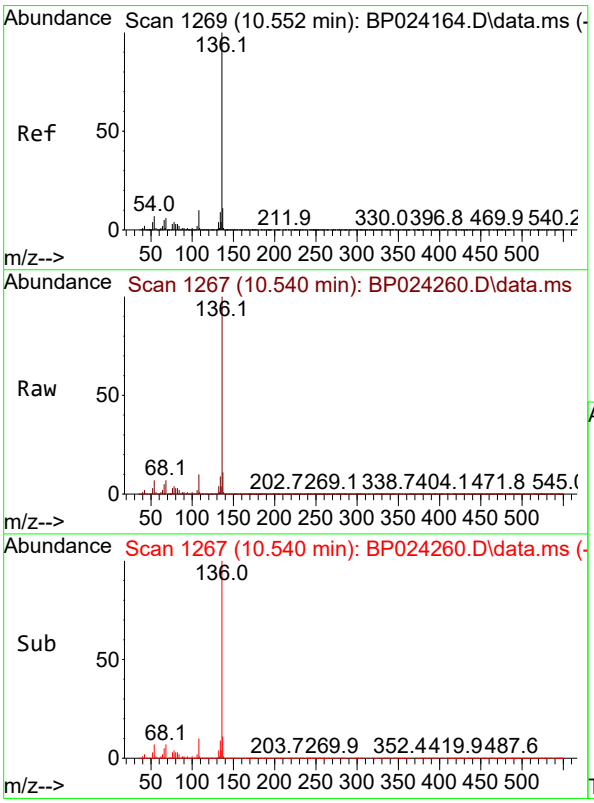
#7
Phenol-d6
Concen: 142.326 ng
RT: 6.946 min Scan# 6
Delta R.T. 0.018 min
Lab File: BP024260.D
Acq: 11 Apr 2025 10:23

Instrument :
BNA_P
ClientSampleId :
PB167537BL

Tgt Ion: 99 Resp: 3332016

Ion	Ratio	Lower	Upper
99	100		
42	13.5	10.6	16.0
71	30.4	23.3	34.9

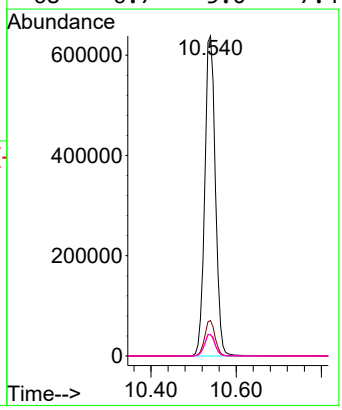


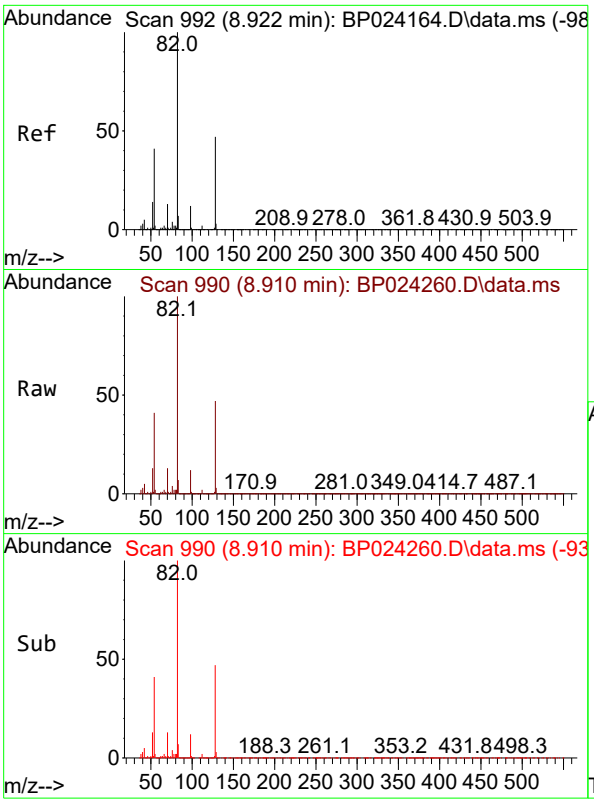


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.540 min Scan# 1267
Delta R.T. 0.012 min
Lab File: BP024260.D
Acq: 11 Apr 2025 10:23

Tgt Ion:136 Resp: 1100931

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	6.6	5.3	7.9
68	6.7	5.0	7.4



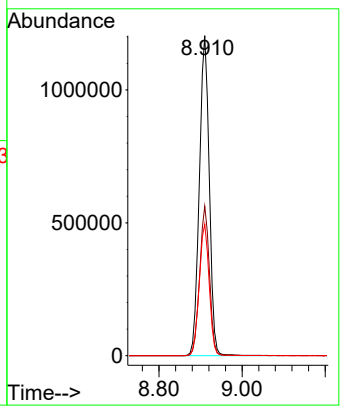


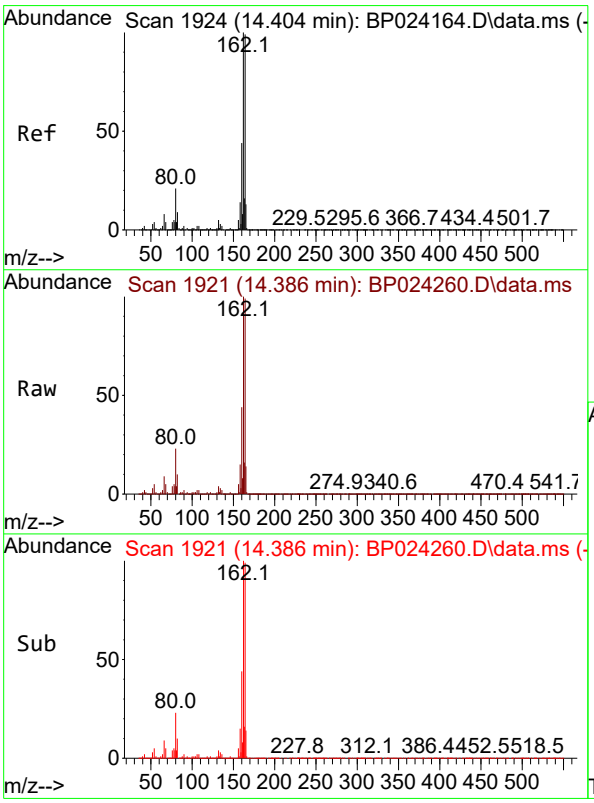
#23
Nitrobenzene-d5
Concen: 102.471 ng
RT: 8.910 min Scan# 9
Delta R.T. 0.018 min
Lab File: BP024260.D
Acq: 11 Apr 2025 10:23

Instrument :
BNA_P
ClientSampleId :
PB167537BL

Tgt Ion: 82 Resp: 1999498

Ion	Ratio	Lower	Upper
82	100		
128	46.7	37.4	56.0
54	41.2	32.5	48.7

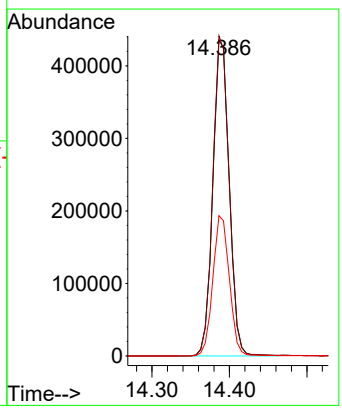


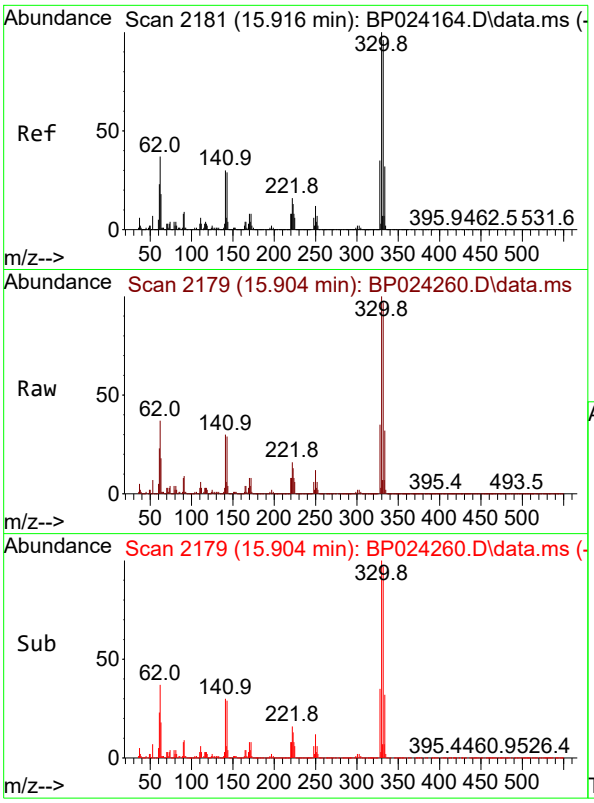


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.386 min Scan# 1921
Delta R.T. -0.006 min
Lab File: BP024260.D
Acq: 11 Apr 2025 10:23

Tgt Ion:164 Resp: 638188

Ion	Ratio	Lower	Upper
164	100		
162	101.4	80.6	121.0
160	44.5	35.4	53.2



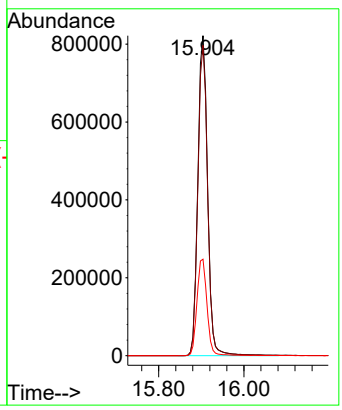


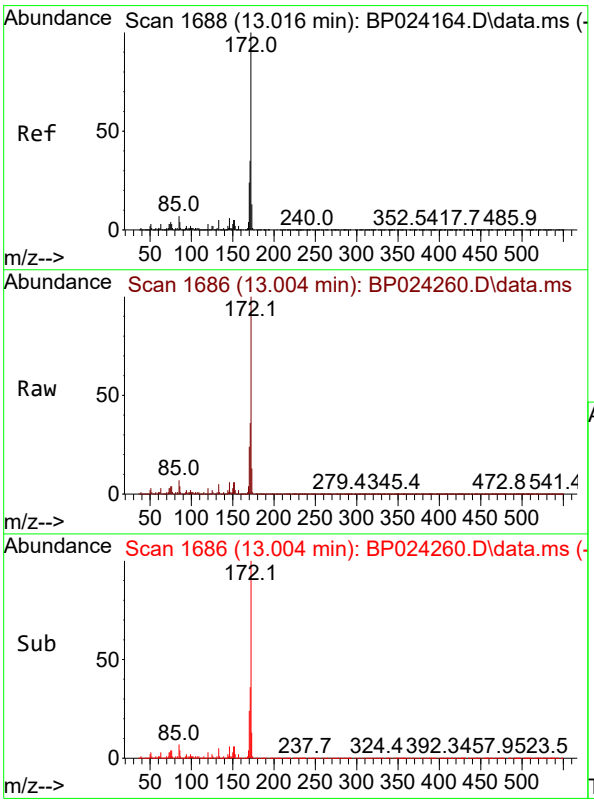
#42
2,4,6-Tribromophenol
Concen: 163.101 ng
RT: 15.904 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024260.D
Acq: 11 Apr 2025 10:23

Instrument :
BNA_P
ClientSampleId :
PB167537BL

Tgt Ion:330 Resp: 1311135

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.6	116.4
141	30.9	25.0	37.6

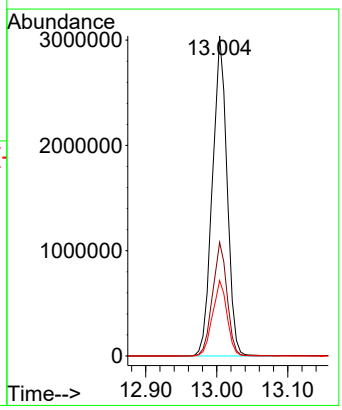


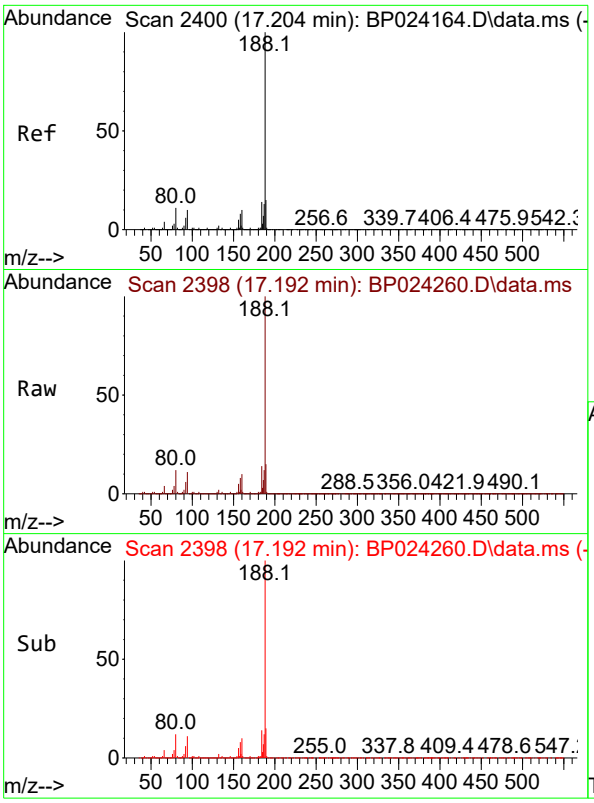


#45
2-Fluorobiphenyl
Concen: 100.241 ng
RT: 13.004 min Scan# 1686
Delta R.T. 0.006 min
Lab File: BP024260.D
Acq: 11 Apr 2025 10:23

Tgt Ion:172 Resp: 4338513

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.3	42.5
170	23.6	19.0	28.4



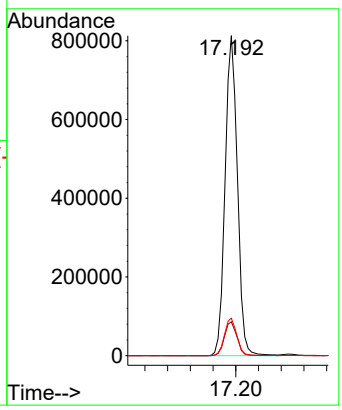


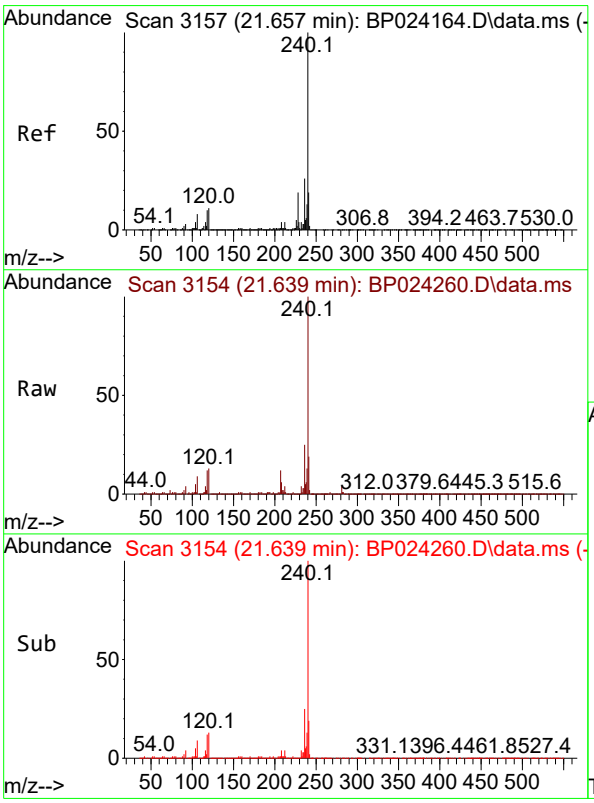
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024260.D
Acq: 11 Apr 2025 10:23

Instrument :
BNA_P
ClientSampleId :
PB167537BL

Tgt Ion:188 Resp: 1225652

Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.1	12.1
80	11.7	8.9	13.3

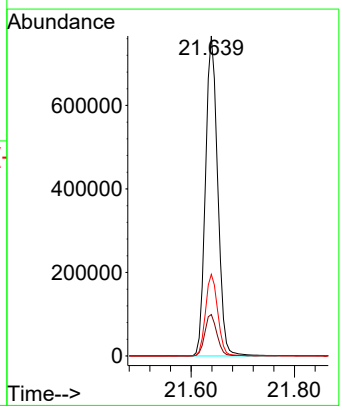


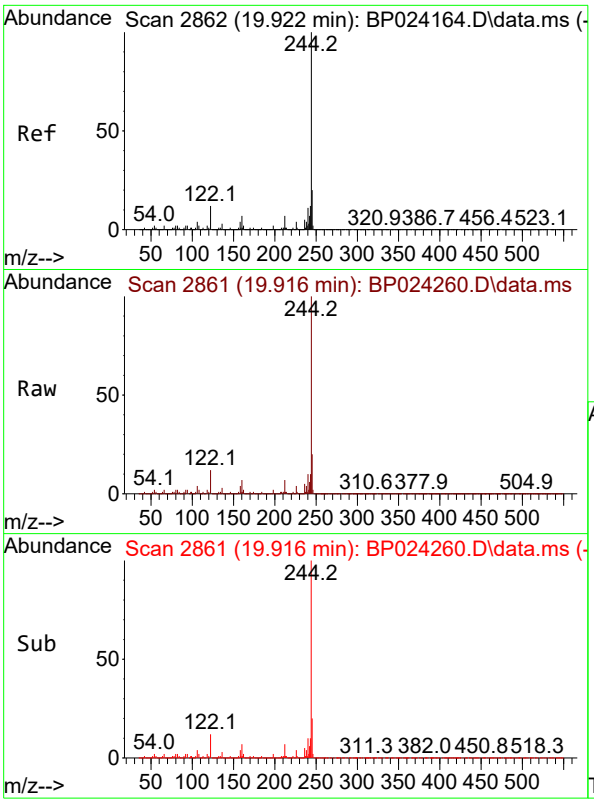


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.639 min Scan# 3154
Delta R.T. -0.006 min
Lab File: BP024260.D
Acq: 11 Apr 2025 10:23

Tgt Ion:240 Resp: 1255527

Ion	Ratio	Lower	Upper
240	100		
120	12.9	9.2	13.8
236	25.5	20.4	30.6



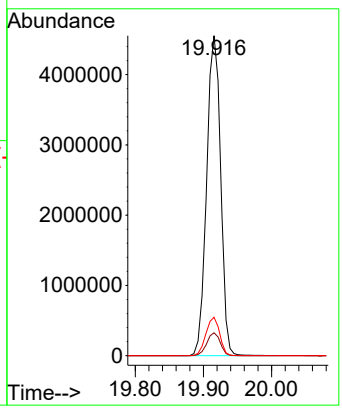


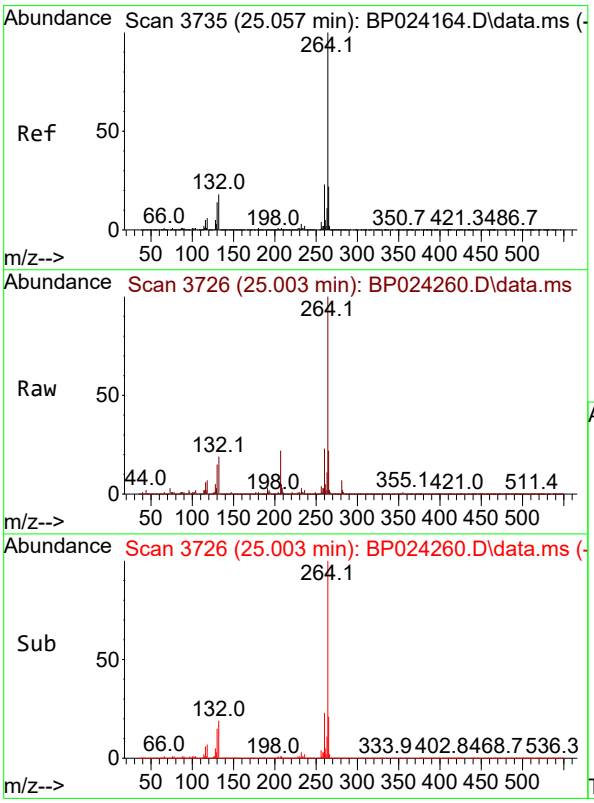
#79
Terphenyl-d14
Concen: 106.989 ng
RT: 19.916 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024260.D
Acq: 11 Apr 2025 10:23

Instrument :
BNA_P
ClientSampleId :
PB167537BL

Tgt Ion:244 Resp: 6507421

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.7	8.5
122	12.0	9.6	14.4

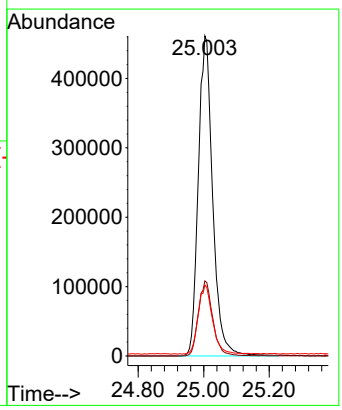




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.003 min Scan# 3726
Delta R.T. -0.006 min
Lab File: BP024260.D
Acq: 11 Apr 2025 10:23

Tgt Ion:264 Resp: 1409207

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.5	27.7
265	22.1	17.7	26.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024261.D
Acq On : 11 Apr 2025 11:04
Operator : RC/JU
Sample : PB167537BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Quant Time: Apr 11 11:44:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.757	152	252310	20.000	ng		0.01
21) Naphthalene-d8	10.534	136	1001041	20.000	ng		0.00
39) Acenaphthene-d10	14.387	164	619477	20.000	ng		0.00
64) Phenanthrene-d10	17.192	188	1216306	20.000	ng		0.00
76) Chrysene-d12	21.639	240	1332930	20.000	ng		0.00
86) Perylene-d12	25.015	264	1494830	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.375	112	2457503	155.478	ng		0.02
7) Phenol-d6	6.946	99	3088087	146.100	ng		0.02
23) Nitrobenzene-d5	8.904	82	1808569	101.935	ng		0.01
42) 2,4,6-Tribromophenol	15.904	330	1304316	167.154	ng		0.00
45) 2-Fluorobiphenyl	13.004	172	3979657	94.727	ng		0.00
79) Terphenyl-d14	19.916	244	6678080	103.419	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.317	88	275740	44.010	ng		96
3) Pyridine	3.705	79	729965	42.618	ng		97
4) n-Nitrosodimethylamine	3.616	42	284386	49.704	ng		99
6) Aniline	7.093	93	756103	39.262	ng		99
8) 2-Chlorophenol	7.328	128	883003	51.719	ng		98
9) Benzaldehyde	6.910	77	381416	37.393	ng		98
10) Phenol	6.969	94	1106401	51.852	ng		99
11) bis(2-Chloroethyl)ether	7.187	93	821599	48.826	ng		98
12) 1,3-Dichlorobenzene	7.652	146	919609	49.948	ng		100
13) 1,4-Dichlorobenzene	7.793	146	928493	49.392	ng		98
14) 1,2-Dichlorobenzene	8.110	146	890037	49.339	ng		99
15) Benzyl Alcohol	7.999	79	699969	52.308	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.275	45	906561	52.787	ng		96
17) 2-Methylphenol	8.199	107	728420	54.439	ng		99
18) Hexachloroethane	8.828	117	335774	50.346	ng		98
19) n-Nitroso-di-n-propyla...	8.557	70	598100	48.775	ng		98
20) 3+4-Methylphenols	8.528	107	988752	53.787	ng		98
22) Acetophenone	8.575	105	1224869	48.398	ng	#	99
24) Nitrobenzene	8.951	77	895136	51.143	ng		100
25) Isophorone	9.475	82	1672734	55.000	ng		100
26) 2-Nitrophenol	9.651	139	452073	54.073	ng		99
27) 2,4-Dimethylphenol	9.716	122	809364	75.286	ng		98
28) bis(2-Chloroethoxy)met...	9.946	93	1078110	50.389	ng		99
29) 2,4-Dichlorophenol	10.187	162	773936	53.217	ng		98
30) 1,2,4-Trichlorobenzene	10.398	180	791203	49.242	ng		98
31) Naphthalene	10.587	128	2549853	48.052	ng		100
32) Benzoic acid	9.869	122	602900	57.503	ng		99
33) 4-Chloroaniline	10.698	127	353588	18.620	ng		99
34) Hexachlorobutadiene	10.869	225	462030	49.964	ng		99
35) Caprolactam	11.487	113	274543	57.601	ng		97
36) 4-Chloro-3-methylphenol	11.828	107	867963	55.324	ng		98
37) 2-Methylnaphthalene	12.198	142	1589529	44.340	ng		99
38) 1-Methylnaphthalene	12.416	142	1699342	48.737	ng		99
40) 1,2,4,5-Tetrachloroben...	12.569	216	852812	47.624	ng		99
41) Hexachlorocyclopentadiene	12.551	237	1234479	191.246	ng		98
43) 2,4,6-Trichlorophenol	12.810	196	611555	53.738	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024261.D
Acq On : 11 Apr 2025 11:04
Operator : RC/JU
Sample : PB167537BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Quant Time: Apr 11 11:44:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration

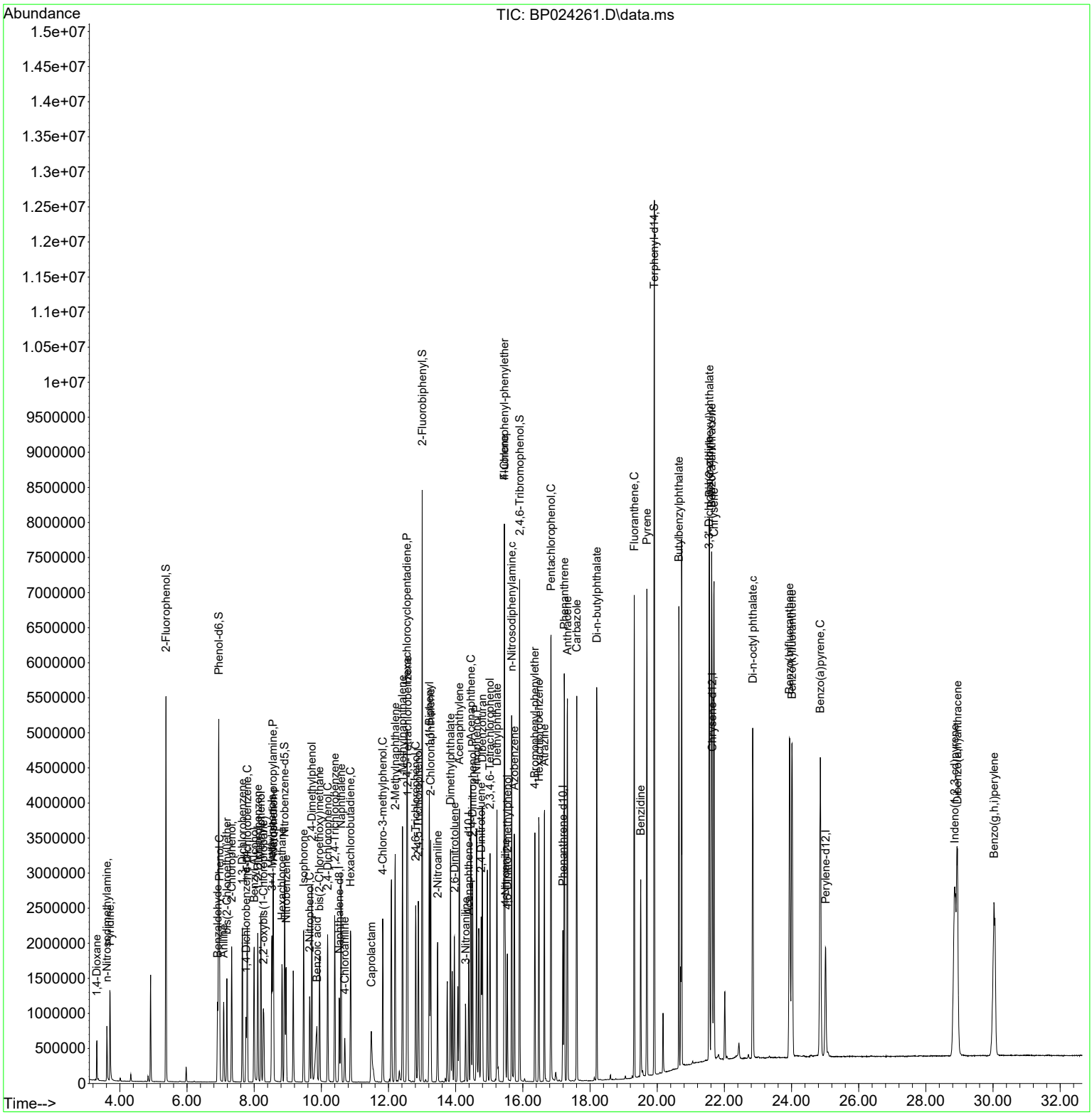
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.887	196	673077	53.930	ng	98
46) 1,1'-Biphenyl	13.216	154	2235200	48.016	ng	99
47) 2-Chloronaphthalene	13.257	162	1707493	48.766	ng	99
48) 2-Nitroaniline	13.463	65	519695	58.030	ng	98
49) Acenaphthylene	14.110	152	2903889	54.810	ng	100
50) Dimethylphthalate	13.845	163	2225271	51.337	ng	100
51) 2,6-Dinitrotoluene	13.963	165	490016	53.729	ng	99
52) Acenaphthene	14.451	154	1650394	48.755	ng	99
53) 3-Nitroaniline	14.298	138	269754	27.385	ng	97
54) 2,4-Dinitrophenol	14.504	184	646648	133.999	ng	95
55) Dibenzofuran	14.792	168	2622316	47.825	ng	98
56) 4-Nitrophenol	14.622	139	1034475	125.684	ng	96
57) 2,4-Dinitrotoluene	14.757	165	715389	59.384	ng	98
58) Fluorene	15.451	166	2154829	50.439	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.022	232	586898	53.225	ng	97
60) Diethylphthalate	15.228	149	2269853	52.585	ng	99
61) 4-Chlorophenyl-phenyle...	15.451	204	1029595	49.137	ng	98
62) 4-Nitroaniline	15.481	138	567626	54.943	ng	99
63) Azobenzene	15.745	77	2066101	50.784	ng	99
65) 4,6-Dinitro-2-methylph...	15.539	198	410813	56.894	ng	100
66) n-Nitrosodiphenylamine	15.669	169	1886274	51.070	ng	100
67) 4-Bromophenyl-phenylether	16.357	248	664537	49.763	ng	99
68) Hexachlorobenzene	16.481	284	796254	50.378	ng	99
69) Atrazine	16.645	200	672316	75.415	ng	99
70) Pentachlorophenol	16.839	266	1170265	114.492	ng	99
71) Phenanthrene	17.233	178	3387175	50.976	ng	100
72) Anthracene	17.328	178	3418770	52.827	ng	99
73) Carbazole	17.604	167	3357130	53.791	ng	99
74) Di-n-butylphthalate	18.198	149	4057764	54.769	ng	100
75) Fluoranthene	19.316	202	4030536	52.374	ng	99
77) Benzidine	19.510	184	1601060	109.861	ng	99
78) Pyrene	19.692	202	4153154	50.118	ng	100
80) Butylbenzylphthalate	20.645	149	1940623	56.788	ng	99
81) Benzo(a)anthracene	21.621	228	4365233	52.675	ng	100
82) 3,3'-Dichlorobenzidine	21.545	252	1067282	38.426	ng	99
83) Chrysene	21.692	228	4032865	50.622	ng	99
84) Bis(2-ethylhexyl)phtha...	21.557	149	2814005	54.573	ng	99
85) Di-n-octyl phthalate	22.845	149	4816817	58.304	ng	100
87) Indeno(1,2,3-cd)pyrene	28.856	276	5522835	52.938	ng	94
88) Benzo(b)fluoranthene	23.939	252	4588615	50.912	ng	98
89) Benzo(k)fluoranthene	24.015	252	4470670	50.709	ng	99
90) Benzo(a)pyrene	24.857	252	4367049	55.721	ng	99
91) Dibenzo(a,h)anthracene	28.939	278	4544623	52.360	ng	99
92) Benzo(g,h,i)perylene	30.027	276	4376784	49.606	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024261.D
Acq On : 11 Apr 2025 11:04
Operator : RC/JU
Sample : PB167537BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Quant Time: Apr 11 11:44:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration



Sample Results: **BP024265.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024265.D
Acq On : 11 Apr 2025 14:19
Operator : RC/JU
Sample : Q1748-04MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 11 14:59:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.740	152	198893	20.000	ng		0.00
21) Naphthalene-d8	10.510	136	835760	20.000	ng		-0.02
39) Acenaphthene-d10	14.386	164	566625	20.000	ng		0.00
64) Phenanthrene-d10	17.186	188	1260548	20.000	ng		0.00
76) Chrysene-d12	21.645	240	1426665	20.000	ng		0.00
86) Perylene-d12	25.004	264	871094	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.352	112	1988756	159.614	ng		0.00
7) Phenol-d6	6.922	99	2499529	150.014	ng		0.00
23) Nitrobenzene-d5	8.887	82	1605956	108.416	ng		0.00
42) 2,4,6-Tribromophenol	15.904	330	1423364	199.424	ng		0.00
45) 2-Fluorobiphenyl	12.992	172	3666524	95.414	ng		0.00
79) Terphenyl-d14	19.916	244	7270183	105.191	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.305	88	197424	39.973	ng	#	78
3) Pyridine	3.699	79	726093	53.777	ng		97
4) n-Nitrosodimethylamine	3.599	42	207047	45.906	ng		99
6) Aniline	7.075	93	278787	18.365	ng		98
8) 2-Chlorophenol	7.310	128	678421	50.409	ng		99
9) Benzaldehyde	6.887	77	155372	19.323	ng		97
10) Phenol	6.946	94	813258	48.350	ng		99
11) bis(2-Chloroethyl)ether	7.163	93	614434	46.322	ng		96
12) 1,3-Dichlorobenzene	7.628	146	618603	42.623	ng		99
13) 1,4-Dichlorobenzene	7.775	146	634304	42.805	ng		99
14) 1,2-Dichlorobenzene	8.087	146	623687	43.859	ng		99
15) Benzyl Alcohol	7.975	79	420731	39.885	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.257	45	665859	49.184	ng		97
17) 2-Methylphenol	8.181	107	585018	55.464	ng		99
18) Hexachloroethane	8.804	117	222640	42.349	ng		98
19) n-Nitroso-di-n-propyla...	8.534	70	488650	50.552	ng		99
20) 3+4-Methylphenols	8.504	107	814153	56.184	ng		99
22) Acetophenone	8.552	105	988977	46.805	ng	#	99
24) Nitrobenzene	8.928	77	717881	49.127	ng		99
25) Isophorone	9.446	82	1421417	55.979	ng		99
26) 2-Nitrophenol	9.634	139	360276	51.615	ng		99
27) 2,4-Dimethylphenol	9.698	122	680718	75.842	ng		98
28) bis(2-Chloroethoxy)met...	9.928	93	797057	44.620	ng		99
29) 2,4-Dichlorophenol	10.169	162	663319	54.631	ng		100
30) 1,2,4-Trichlorobenzene	10.381	180	596034	44.431	ng		99
31) Naphthalene	10.563	128	2020428	45.605	ng		100
32) Benzoic acid	9.834	122	518295m	59.210	ng		
33) 4-Chloroaniline	10.681	127	137875	8.696	ng		99
34) Hexachlorobutadiene	10.851	225	329257	42.648	ng		99
35) Caprolactam	11.463	113	254562	63.971	ng		97
36) 4-Chloro-3-methylphenol	11.810	107	812838	62.057	ng		99
37) 2-Methylnaphthalene	12.175	142	1336378	44.651	ng		99
38) 1-Methylnaphthalene	12.404	142	1421267	48.823	ng		99
40) 1,2,4,5-Tetrachloroben...	12.551	216	701326	42.817	ng		99
41) Hexachlorocyclopentadiene	12.528	237	910279	154.174	ng		98
43) 2,4,6-Trichlorophenol	12.798	196	547883	52.633	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024265.D
Acq On : 11 Apr 2025 14:19
Operator : RC/JU
Sample : Q1748-04MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 11 14:59:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.875	196	649678	56.911	ng	99
46) 1,1'-Biphenyl	13.198	154	1965684	46.165	ng	99
47) 2-Chloronaphthalene	13.239	162	1517908	47.395	ng	99
48) 2-Nitroaniline	13.451	65	482628	58.918	ng	96
49) Acenaphthylene	14.098	152	2623879	54.145	ng	100
50) Dimethylphthalate	13.834	163	2173322	54.816	ng	100
51) 2,6-Dinitrotoluene	13.963	165	486052	58.265	ng	98
52) Acenaphthene	14.451	154	1539419	49.719	ng	99
53) 3-Nitroaniline	14.298	138	153208	17.004	ng	99
54) 2,4-Dinitrophenol	14.498	184	656992	148.841	ng	94
55) Dibenzofuran	14.786	168	2463534	49.120	ng	98
56) 4-Nitrophenol	14.622	139	1037606	137.823	ng	96
57) 2,4-Dinitrotoluene	14.751	165	723204	65.632	ng	97
58) Fluorene	15.445	166	2083618	53.321	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.028	232	584528	57.955	ng	98
60) Diethylphthalate	15.222	149	2253741	57.082	ng	99
61) 4-Chlorophenyl-phenyle...	15.457	204	979569	51.110	ng	97
62) 4-Nitroaniline	15.475	138	396219	41.929	ng	99
63) Azobenzene	15.751	77	1987173	53.399	ng	98
65) 4,6-Dinitro-2-methylph...	15.528	198	418302	55.897	ng	95
66) n-Nitrosodiphenylamine	15.669	169	943117	24.638	ng	100
67) 4-Bromophenyl-phenylether	16.363	248	659062	47.621	ng	98
68) Hexachlorobenzene	16.480	284	807518	49.297	ng	99
69) Atrazine	16.645	200	215386	23.312	ng	99
70) Pentachlorophenol	16.833	266	1215004	114.697	ng	99
71) Phenanthrene	17.239	178	3497744	50.793	ng	99
72) Anthracene	17.333	178	3514990	52.408	ng	100
73) Carbazole	17.610	167	1426762	22.059	ng	100
74) Di-n-butylphthalate	18.210	149	4206804	54.788	ng	100
75) Fluoranthene	19.327	202	4297131	53.879	ng	99
77) Benzidine	19.539	184	9013m	0.578	ng	
78) Pyrene	19.704	202	4378542	49.366	ng	99
80) Butylbenzylphthalate	20.645	149	2050522	56.062	ng	98
81) Benzo(a)anthracene	21.621	228	4632255	52.224	ng	100
82) 3,3'-Dichlorobenzidine	21.539	252	53712	1.807	ng	98
83) Chrysene	21.692	228	4265411	50.023	ng	99
84) Bis(2-ethylhexyl)phtha...	21.557	149	2941938	53.306	ng	100
85) Di-n-octyl phthalate	22.833	149	4973283	56.242	ng	100
87) Indeno(1,2,3-cd)pyrene	28.815	276	5522504	90.837	ng	99
88) Benzo(b)fluoranthene	23.927	252	4834705	92.052	ng	98
89) Benzo(k)fluoranthene	24.015	252	4709378	91.665	ng	100
90) Benzo(a)pyrene	24.851	252	4188367	91.707	ng	99
91) Dibenzo(a,h)anthracene	28.909	278	4800304	94.907	ng	99
92) Benzo(g,h,i)perylene	30.009	276	4314856	83.921	ng	100

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

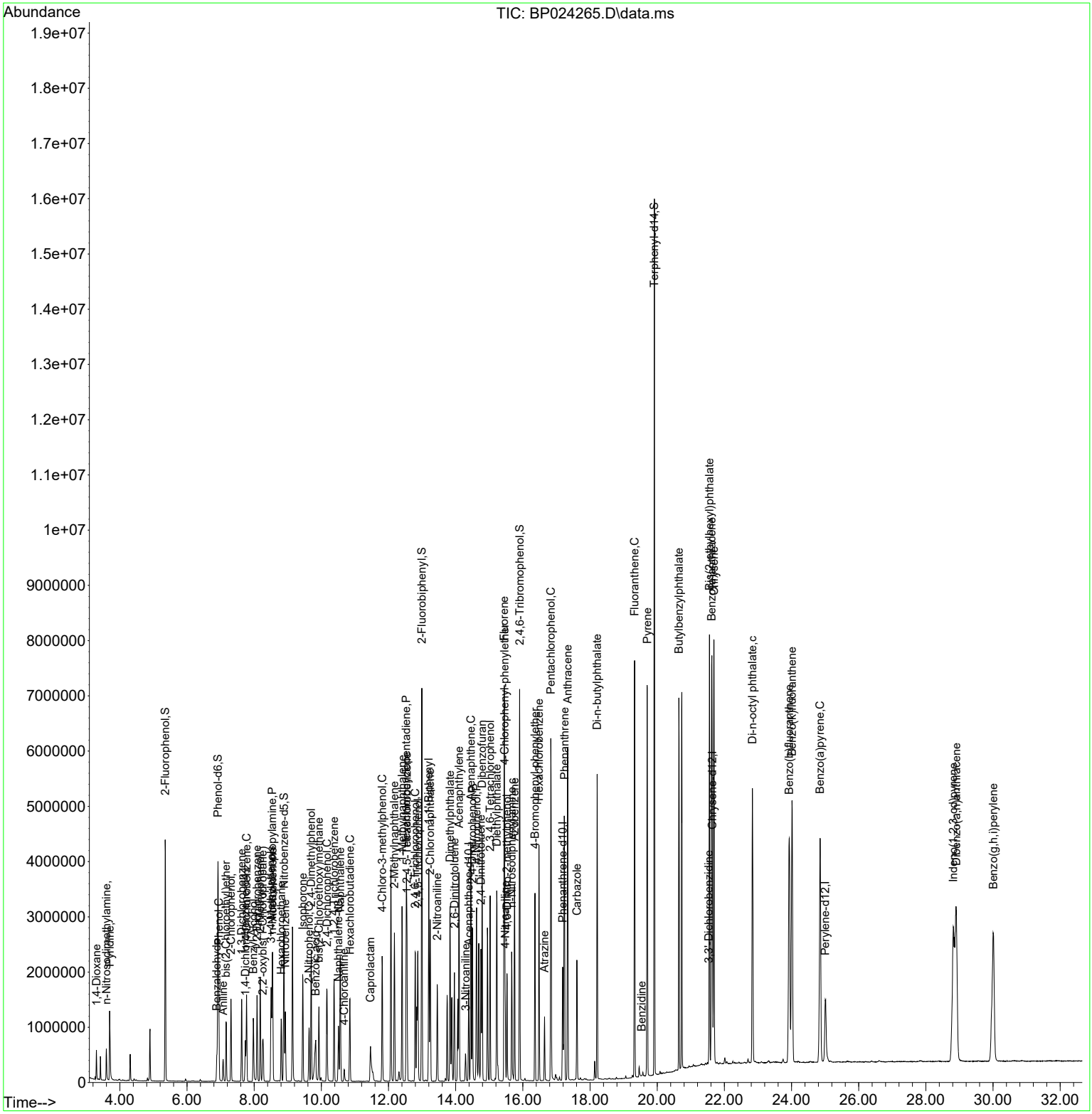
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024265.D
Acq On : 11 Apr 2025 14:19
Operator : RC/JU
Sample : Q1748-04MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 11 14:59:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024266.D
Acq On : 11 Apr 2025 15:00
Operator : RC/JU
Sample : Q1748-04MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 11 15:25:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	263233	20.000	ng	0.00
21) Naphthalene-d8	10.516	136	1024669	20.000	ng	-0.01
39) Acenaphthene-d10	14.375	164	625891	20.000	ng	-0.02
64) Phenanthrene-d10	17.175	188	1269585	20.000	ng	-0.02
76) Chrysene-d12	21.622	240	1347511	20.000	ng	-0.02
86) Perylene-d12	24.980	264	604991	20.000	ng	#-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	2378846	144.257	ng	0.00
7) Phenol-d6	6.928	99	2868568	130.082	ng	0.00
23) Nitrobenzene-d5	8.887	82	1876741	103.338	ng	0.00
42) 2,4,6-Tribromophenol	15.887	330	1412322	179.140	ng	-0.01
45) 2-Fluorobiphenyl	12.987	172	3987446	93.940	ng	-0.01
79) Terphenyl-d14	19.898	244	6970849	106.785	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.311	88	250645	38.345	ng	# 76
3) Pyridine	3.705	79	766858	42.914	ng	97
4) n-Nitrosodimethylamine	3.605	42	251770	42.178	ng	100
6) Aniline	7.081	93	237669	11.829	ng	98
8) 2-Chlorophenol	7.316	128	815068	45.759	ng	99
9) Benzaldehyde	6.893	77	215811	20.279	ng	98
10) Phenol	6.952	94	939518	42.204	ng	99
11) bis(2-Chloroethyl)ether	7.169	93	747961	42.606	ng	99
12) 1,3-Dichlorobenzene	7.628	146	776529	40.427	ng	100
13) 1,4-Dichlorobenzene	7.775	146	791991	40.383	ng	99
14) 1,2-Dichlorobenzene	8.087	146	774610	41.158	ng	99
15) Benzyl Alcohol	7.981	79	451523	32.342	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.263	45	816372	45.563	ng	97
17) 2-Methylphenol	8.181	107	677807	48.555	ng	99
18) Hexachloroethane	8.810	117	283685	40.771	ng	98
19) n-Nitroso-di-n-propyla...	8.540	70	563783	44.069	ng	99
20) 3+4-Methylphenols	8.505	107	925546	48.259	ng	98
22) Acetophenone	8.552	105	1159395	44.754	ng	99
24) Nitrobenzene	8.928	77	832032	46.441	ng	99
25) Isophorone	9.452	82	1593180	51.176	ng	99
26) 2-Nitrophenol	9.634	139	421515	49.255	ng	99
27) 2,4-Dimethylphenol	9.699	122	774521	70.384	ng	98
28) bis(2-Chloroethoxy)met...	9.928	93	923700	42.176	ng	100
29) 2,4-Dichlorophenol	10.169	162	741080	49.783	ng	98
30) 1,2,4-Trichlorobenzene	10.375	180	719976	43.776	ng	99
31) Naphthalene	10.563	128	2358188	43.416	ng	100
32) Benzoic acid	9.840	122	540827	50.394	ng	97
33) 4-Chloroaniline	10.681	127	107792	5.545	ng	97
34) Hexachlorobutadiene	10.851	225	411310	43.454	ng	98
35) Caprolactam	11.469	113	251034	51.454	ng	99
36) 4-Chloro-3-methylphenol	11.810	107	858833	53.480	ng	99
37) 2-Methylnaphthalene	12.181	142	1509811	41.145	ng	100
38) 1-Methylnaphthalene	12.398	142	1590749	44.570	ng	99
40) 1,2,4,5-Tetrachloroben...	12.546	216	801448	44.297	ng	98
41) Hexachlorocyclopentadiene	12.528	237	1101971	168.968	ng	98
43) 2,4,6-Trichlorophenol	12.793	196	590161	51.326	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024266.D
Acq On : 11 Apr 2025 15:00
Operator : RC/JU
Sample : Q1748-04MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 11 15:25:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.869	196	671811	53.277	ng	98
46) 1,1'-Biphenyl	13.198	154	2147562	45.661	ng	100
47) 2-Chloronaphthalene	13.240	162	1635181	46.222	ng	99
48) 2-Nitroaniline	13.445	65	476163	52.624	ng	98
49) Acenaphthylene	14.092	152	2754375	51.456	ng	100
50) Dimethylphthalate	13.834	163	2208995	50.440	ng	99
51) 2,6-Dinitrotoluene	13.945	165	492069	53.401	ng	99
52) Acenaphthene	14.440	154	1612157	47.138	ng	99
53) 3-Nitroaniline	14.281	138	141326	14.200	ng	95
54) 2,4-Dinitrophenol	14.492	184	664698	136.328	ng	96
55) Dibenzofuran	14.781	168	2534651	45.752	ng	97
56) 4-Nitrophenol	14.610	139	993078	119.418	ng	98
57) 2,4-Dinitrotoluene	14.751	165	715143	58.755	ng	98
58) Fluorene	15.439	166	2100315	48.659	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.016	232	588377	52.813	ng	98
60) Diethylphthalate	15.216	149	2190498	50.227	ng	100
61) 4-Chlorophenyl-phenyle...	15.434	204	1013792	47.887	ng	97
62) 4-Nitroaniline	15.463	138	363825	34.855	ng	100
63) Azobenzene	15.734	77	1979228	48.150	ng	99
65) 4,6-Dinitro-2-methylph...	15.528	198	416210	55.222	ng	95
66) n-Nitrosodiphenylamine	15.651	169	945302	24.520	ng	99
67) 4-Bromophenyl-phenylether	16.345	248	663399	47.593	ng	99
68) Hexachlorobenzene	16.469	284	787040	47.705	ng	99
69) Atrazine	16.628	200	114541	12.309	ng	99
70) Pentachlorophenol	16.816	266	1182455	110.830	ng	99
71) Phenanthrene	17.216	178	3402535	49.058	ng	99
72) Anthracene	17.310	178	3403799	50.389	ng	99
73) Carbazole	17.592	167	1148669	17.633	ng	100
74) Di-n-butylphthalate	18.180	149	3940573	50.956	ng	100
75) Fluoranthene	19.298	202	4021865	50.069	ng	99
77) Benzidine	19.510	184	31788m	2.158	ng	
78) Pyrene	19.680	202	4077965	48.678	ng	100
80) Butylbenzylphthalate	20.633	149	1859078	53.813	ng	98
81) Benzo(a)anthracene	21.604	228	4178675	49.878	ng	100
82) 3,3'-Dichlorobenzidine	21.527	252	93478	3.329	ng	97
83) Chrysene	21.674	228	3955205	49.110	ng	99
84) Bis(2-ethylhexyl)phtha...	21.539	149	2655288	50.938	ng	100
85) Di-n-octyl phthalate	22.827	149	4511896	54.022	ng	100
87) Indeno(1,2,3-cd)pyrene	28.792	276	4539854m	107.519	ng	
88) Benzo(b)fluoranthene	23.915	252	4459795	122.262	ng	99
89) Benzo(k)fluoranthene	23.992	252	4191765	117.477	ng	99
90) Benzo(a)pyrene	24.833	252	3444003	108.577	ng	99
91) Dibenzo(a,h)anthracene	28.892	278	4286090	122.013	ng	99
92) Benzo(g,h,i)perylene	29.986	276	3479023	97.427	ng	100

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

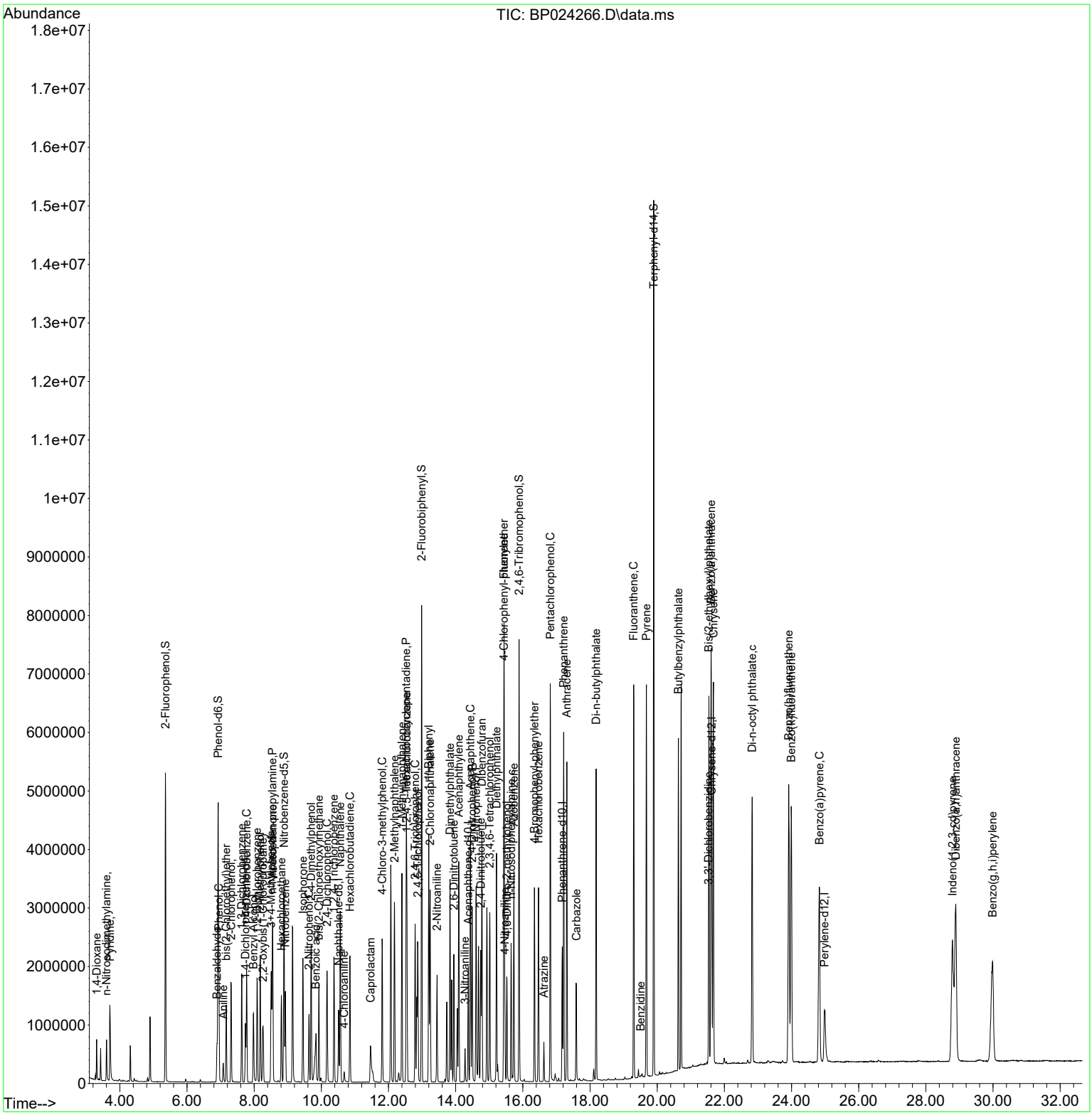
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024266.D
Acq On : 11 Apr 2025 15:00
Operator : RC/JU
Sample : Q1748-04MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 11 15:25:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025



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

Manual Integration Report

Sequence:	BP031225	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP024161.D	Benzaldehyde	anahy	3/13/2025 11:10:33 AM	Jagrut	3/13/2025 11:45:04 AM	Peak Integrated by Software
SSTDICC050	BP024165.D	Pyridine	anahy	3/13/2025 11:11:20 AM	Jagrut	3/13/2025 11:45:07 AM	Peak Integrated by Software
SSTDICC060	BP024166.D	Indeno(1,2,3-cd)pyrene	anahy	3/13/2025 11:38:58 AM	Jagrut	3/13/2025 11:45:09 AM	Peak Integrated by Software
SSTDICC060	BP024166.D	Pyridine	anahy	3/13/2025 11:38:58 AM	Jagrut	3/13/2025 11:45:09 AM	Peak Integrated by Software
SSTDICC080	BP024167.D	Pyridine	anahy	3/13/2025 11:39:57 AM	Jagrut	3/13/2025 11:45:11 AM	Peak Integrated by Software
SSTDICV040	BP024168.D	Benzo(g,h,i)perylene	anahy	3/13/2025 11:40:49 AM	Jagrut	3/13/2025 11:45:14 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bp041125	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP024259.D	Benzoic acid	Rahul	4/14/2025 11:09:26 AM	Jagrut	4/14/2025 3:52:48 PM	Peak Integrated by Software
Q1748-04MS	BP024265.D	Benzidine	Rahul	4/14/2025 11:09:30 AM	Jagrut	4/14/2025 3:52:50 PM	Peak Integrated by Software
Q1748-04MS	BP024265.D	Benzoic acid	Rahul	4/14/2025 11:09:30 AM	Jagrut	4/14/2025 3:52:50 PM	Peak Integrated by Software
Q1748-04MSD	BP024266.D	Benzidine	Rahul	4/14/2025 11:09:34 AM	Jagrut	4/14/2025 3:52:53 PM	Peak Integrated by Software
Q1748-04MSD	BP024266.D	Indeno(1,2,3-cd)pyrene	Rahul	4/14/2025 11:09:34 AM	Jagrut	4/14/2025 3:52:53 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP031225

Review By	anahy	Review On	3/13/2025 11:41:15 AM		
Supervise By	Jagrut	Supervise On	3/17/2025 4:44:19 PM		
SubDirectory	BP031225	HP Acquire Method	BNA_P	HP Processing Method	bp031225

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024159.D	12 Mar 2025 15:36	RC/JU	Ok
2	SSTDICC2.5	BP024160.D	12 Mar 2025 16:17	RC/JU	Ok
3	SSTDICC005	BP024161.D	12 Mar 2025 16:57	RC/JU	Ok,M
4	SSTDICC010	BP024162.D	12 Mar 2025 17:38	RC/JU	Ok
5	SSTDICC020	BP024163.D	12 Mar 2025 18:19	RC/JU	Ok
6	SSTDICCC040	BP024164.D	12 Mar 2025 19:00	RC/JU	Ok
7	SSTDICC050	BP024165.D	12 Mar 2025 19:41	RC/JU	Ok,M
8	SSTDICC060	BP024166.D	12 Mar 2025 20:21	RC/JU	Ok,M
9	SSTDICC080	BP024167.D	12 Mar 2025 21:02	RC/JU	Ok,M
10	SSTDICV040	BP024168.D	12 Mar 2025 21:43	RC/JU	Ok,M
11	PB167078BL	BP024169.D	12 Mar 2025 22:24	RC/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP041125

Review By	Rahul	Review On	4/14/2025 11:10:32 AM		
Supervise By	Jagrut	Supervise On	4/14/2025 3:53:13 PM		
SubDirectory	BP041125	HP Acquire Method	BNA_P	HP Processing Method	bp031225

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12658,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024258.D	11 Apr 2025 09:02	RC/JU	Ok
2	SSTDCCC040	BP024259.D	11 Apr 2025 09:43	RC/JU	Ok,M
3	PB167537BL	BP024260.D	11 Apr 2025 10:23	RC/JU	Ok
4	PB167537BS	BP024261.D	11 Apr 2025 11:04	RC/JU	Ok
5	PB167517TB	BP024262.D	11 Apr 2025 11:45	RC/JU	Ok
6	PB167518BS	BP024263.D	11 Apr 2025 12:25	RC/JU	Ok
7	Q1749-04	BP024264.D	11 Apr 2025 13:38	RC/JU	Ok
8	Q1748-04MS	BP024265.D	11 Apr 2025 14:19	RC/JU	Ok,M
9	Q1748-04MSD	BP024266.D	11 Apr 2025 15:00	RC/JU	Ok,M
10	Q1746-02	BP024267.D	11 Apr 2025 15:40	RC/JU	Ok
11	Q1746-04	BP024268.D	11 Apr 2025 16:21	RC/JU	Ok
12	Q1744-02	BP024269.D	11 Apr 2025 17:02	RC/JU	Ok
13	Q1744-04	BP024270.D	11 Apr 2025 17:42	RC/JU	Ok
14	Q1752-02	BP024271.D	11 Apr 2025 18:23	RC/JU	Ok
15	Q1752-04	BP024272.D	11 Apr 2025 19:04	RC/JU	Ok
16	Q1752-06	BP024273.D	11 Apr 2025 19:45	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP031225

Review By	anahy	Review On	3/13/2025 11:41:15 AM		
Supervise By	Jagrut	Supervise On	3/17/2025 4:44:19 PM		
SubDirectory	BP031225	HP Acquire Method	BNA_P	HP Processing Method	bp031225

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024159.D	12 Mar 2025 15:36		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP024160.D	12 Mar 2025 16:17		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP024161.D	12 Mar 2025 16:57	Compound #32,54,65 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BP024162.D	12 Mar 2025 17:38		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BP024163.D	12 Mar 2025 18:19		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BP024164.D	12 Mar 2025 19:00	This calibration is good for 8270E and 8270E DOD methods	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BP024165.D	12 Mar 2025 19:41		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BP024166.D	12 Mar 2025 20:21	Compound #69 Removed from 60PPM	RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BP024167.D	12 Mar 2025 21:02	Compound #32,54,69 Removed from 80PPM	RC/JU	Ok,M
10	SSTDICV040	ICVBP031225	BP024168.D	12 Mar 2025 21:43		RC/JU	Ok,M
11	PB167078BL	PB167078BL	BP024169.D	12 Mar 2025 22:24		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP041125

Review By	Rahul	Review On	4/14/2025 11:10:32 AM		
Supervise By	Jagrut	Supervise On	4/14/2025 3:53:13 PM		
SubDirectory	BP041125	HP Acquire Method	BNA_P	HP Processing Method	bp031225

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12658,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024258.D	11 Apr 2025 09:02		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024259.D	11 Apr 2025 09:43	CCC fail high side for com. #32 and #77	RC/JU	Ok,M
3	PB167537BL	PB167537BL	BP024260.D	11 Apr 2025 10:23		RC/JU	Ok
4	PB167537BS	PB167537BS	BP024261.D	11 Apr 2025 11:04		RC/JU	Ok
5	PB167517TB	PB167517TB	BP024262.D	11 Apr 2025 11:45		RC/JU	Ok
6	PB167518BS	PB167518BS	BP024263.D	11 Apr 2025 12:25		RC/JU	Ok
7	Q1749-04	TP-14	BP024264.D	11 Apr 2025 13:38		RC/JU	Ok
8	Q1748-04MS	IB-1.5-WCMS	BP024265.D	11 Apr 2025 14:19		RC/JU	Ok,M
9	Q1748-04MSD	IB-1.5-WCMSD	BP024266.D	11 Apr 2025 15:00		RC/JU	Ok,M
10	Q1746-02	B-149-SB01	BP024267.D	11 Apr 2025 15:40		RC/JU	Ok
11	Q1746-04	B-149-SB02	BP024268.D	11 Apr 2025 16:21		RC/JU	Ok
12	Q1744-02	B-158-SB01	BP024269.D	11 Apr 2025 17:02		RC/JU	Ok
13	Q1744-04	B-158-SB02	BP024270.D	11 Apr 2025 17:42		RC/JU	Ok
14	Q1752-02	TP-1	BP024271.D	11 Apr 2025 18:23		RC/JU	Ok
15	Q1752-04	TP-2	BP024272.D	11 Apr 2025 19:04		RC/JU	Ok
16	Q1752-06	TP-4	BP024273.D	11 Apr 2025 19:45		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167517

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 / T-2

TCLP Filter ID : 115525

Start Prep Date : 04/08/2025 **Time :** 16:40

End Prep Date : 04/09/2025 **Time :** 11:11

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ JP

Initial Room Temperature: 23 °C

Final Room Temperature: 21 °C

TCLP Technician Signature : JP

Supervisor By : IZ

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	WP110802
HCL-TCLP,1N	N/A	WP110803
HNO3-TCLP,1N	N/A	WP110804
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1941,W1942	W3166,W1938,W1939,W1940,
1 Liter Amber	N/A	90424-08
120ml Plastic bottle	N/A	405130101
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. Particle size reduction is not required. TUMBLER T-1 /T-2 checked,30 rpm. Q1743-04 IS USED FOR MS-MSD.

JP

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/09/25 12:40	JP 164 Room	9129. 164
	Preparation Group	Analysis Group

04/09/25

IZ

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167517

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
PB167517TB	LEB517	19	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2
Q1743-04	TP-16	01	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q1744-02	B-158-SB01	02	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1744-04	B-158-SB02	03	100.04	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q1745-04	IB-6A-WC	04	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1745-12	IB-6.5-WC	05	100.03	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q1746-02	B-149-SB01	06	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1746-04	B-149-SB02	07	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q1748-04	IB-1.5-WC	08	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1748-08	IB-2A-WC	09	100.03	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1749-04	TP-14	10	100.04	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1752-02	TP-1	11	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-2
Q1752-04	TP-2	12	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-2
Q1752-06	TP-3	13	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-2
Q1752-08	TP-4	14	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-2
Q1753-04	WC-1	15	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-2
Q1753-08	WC-2	16	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-2
Q1754-02	TP-1	17	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q1754-04	TP-1-CONCRETE	18	100.04	2000	N/A	N/A	N/A	8.6	1.5	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB167517TB	LEB517	N/A	N/A	N/A	N/A	N/A	N/A
Q1743-04	TP-16	N/A	N/A	N/A	N/A	100	N/A
Q1744-02	B-158-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1744-04	B-158-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1745-04	IB-6A-WC	N/A	N/A	N/A	N/A	100	N/A
Q1745-12	IB-6.5-WC	N/A	N/A	N/A	N/A	100	N/A
Q1746-02	B-149-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1746-04	B-149-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1748-04	IB-1.5-WC	N/A	N/A	N/A	N/A	100	N/A
Q1748-08	IB-2A-WC	N/A	N/A	N/A	N/A	100	N/A
Q1749-04	TP-14	N/A	N/A	N/A	N/A	100	N/A
Q1752-02	TP-1	N/A	N/A	N/A	N/A	100	N/A
Q1752-04	TP-2	N/A	N/A	N/A	N/A	100	N/A
Q1752-06	TP-3	N/A	N/A	N/A	N/A	100	N/A
Q1752-08	TP-4	N/A	N/A	N/A	N/A	100	N/A
Q1753-04	WC-1	N/A	N/A	N/A	N/A	100	N/A
Q1753-08	WC-2	N/A	N/A	N/A	N/A	100	N/A
Q1754-02	TP-1	N/A	N/A	N/A	N/A	100	N/A
Q1754-04	TP-1-CONCRETE	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB167517

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
PB167517TB	LEB517	N/A	N/A	N/A	N/A	#1	4.93
Q1743-04	TP-16	5.02	96.5	8.2	3.0	#1	4.93
Q1744-02	B-158-SB01	5.03	96.5	6.6	2.5	#1	4.93
Q1744-04	B-158-SB02	5.02	96.5	6.4	2.5	#1	4.93
Q1745-04	IB-6A-WC	5.01	96.5	8.0	3.0	#1	4.93
Q1745-12	IB-6.5-WC	5.02	96.5	7.6	2.5	#1	4.93
Q1746-02	B-149-SB01	5.03	96.5	7.0	2.0	#1	4.93
Q1746-04	B-149-SB02	5.04	96.5	7.6	2.5	#1	4.93
Q1748-04	IB-1.5-WC	5.01	96.5	7.6	2.5	#1	4.93
Q1748-08	IB-2A-WC	5.02	96.5	8.0	3.0	#1	4.93
Q1749-04	TP-14	5.03	96.5	7.2	2.5	#1	4.93
Q1752-02	TP-1	5.02	96.5	8.0	3.0	#1	4.93
Q1752-04	TP-2	5.03	96.5	6.6	2.5	#1	4.93
Q1752-06	TP-3	5.00	96.5	5.8	2.0	#1	4.93
Q1752-08	TP-4	5.01	96.5	5.6	2.0	#1	4.93
Q1753-04	WC-1	5.02	96.5	5.5	2.0	#1	4.93
Q1753-08	WC-2	5.03	96.5	6.0	2.5	#1	4.93
Q1754-02	TP-1	5.02	96.5	7.2	2.5	#1	4.93
Q1754-04	TP-1-CONCRETE	5.03	96.5	10.5	4.0	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp q1748 **WorkList ID :** 188805 **Department :** TCLP Extraction **Date :** 04-08-2025 12:17:14

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1743-04	TP-16	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L33	04/07/2025	1311
Q1744-02	B-158-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L41	04/05/2025	1311
Q1744-04	B-158-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L41	04/05/2025	1311
Q1745-04	IB-6A-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/07/2025	1311
Q1745-12	IB-6.5-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/07/2025	1311
Q1746-02	B-149-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L41	04/05/2025	1311
Q1746-04	B-149-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L41	04/06/2025	1311
Q1748-04	IB-1.5-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	04/08/2025	1311
Q1748-08	IB-2A-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	04/08/2025	1311
Q1749-04	TP-14	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	04/07/2025	1311
Q1752-02	TP-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/08/2025	1311
Q1752-04	TP-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/08/2025	1311
Q1752-06	TP-3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/08/2025	1311
Q1752-08	TP-4	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/08/2025	1311
Q1753-04	WC-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/08/2025	1311
Q1753-08	WC-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/08/2025	1311
Q1754-02	TP-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/08/2025	1311
Q1754-04	TP-1-CONCRETE	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/08/2025	1311

Date/Time 04/08/25 16:25

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 04/08/25 18:30

Raw Sample Received by:

Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167537

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A

Matrix : Water

Weigh By: EH

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3880

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date : 04/09/2025

Extraction Start Time : 13:25

Extraction End Date : 04/09/2025

Extraction End Time : 18:25

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	SP6752
Surrogate	1.0ML	100/150 PPM	SP6754
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	E3926
Baked Na2SO4	N/A	EP2599
10N NaoH	N/A	EP2559
H2SO4 1:1	N/A	EP2565
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:

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

KD Bath ID: WATER BATH-1,2

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/09/25	RP (Ext 1 cab)	JG / SVOC
18:30	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167537

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 04/09/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167517TB	PB167517TB	TCLP BNA	100	6	ritesh	rajesh	1			SEP-01
PB167537BL	PB167537BL	TCLP BNA	1000	6	ritesh	rajesh	1			2
PB167537BS	PB167537BS	TCLP BNA	1000	6	ritesh	rajesh	1			3
PB167537TB	PB167537TB	TCLP BNA	100	6	ritesh	rajesh	1			4
Q1740-04	TP-20	TCLP BNA	100	6	ritesh	rajesh	1	A		5
Q1743-04	TP-16	TCLP BNA	100	6	ritesh	rajesh	1	A		6
Q1744-02	B-158-SB01	TCLP BNA	100	6	ritesh	rajesh	1	A		7
Q1744-04	B-158-SB02	TCLP BNA	100	6	ritesh	rajesh	1	A		8
Q1745-04	IB-6A-WC	TCLP BNA	100	6	ritesh	rajesh	1	A		9
Q1745-12	IB-6.5-WC	TCLP BNA	100	6	ritesh	rajesh	1	A		10
Q1746-02	B-149-SB01	TCLP BNA	100	6	ritesh	rajesh	1	A		11
Q1746-04	B-149-SB02	TCLP BNA	100	6	ritesh	rajesh	1	A		12
Q1748-04	IB-1.5-WC	TCLP BNA	100	6	ritesh	rajesh	1	A		13
Q1748-04MS	IB-1.5-WCMS	TCLP BNA	100	6	ritesh	rajesh	1	A		14
Q1748-04MSD	IB-1.5-WCMSD	TCLP BNA	100	6	ritesh	rajesh	1	A		15
Q1748-08	IB-2A-WC	TCLP BNA	100	6	ritesh	rajesh	1	A		16
Q1749-04	TP-14	TCLP BNA	100	6	ritesh	rajesh	1	A		SEP-01
Q1752-02	TP-1	TCLP BNA	100	6	ritesh	rajesh	1	A		2
Q1752-04	TP-2	TCLP BNA	100	6	ritesh	rajesh	1	A		3
Q1752-06	TP-3	TCLP BNA	100	6	ritesh	rajesh	1	A		4
Q1752-08	TP-4	TCLP BNA	100	6	ritesh	rajesh	1	A		5
Q1753-04	WC-1	TCLP BNA	100	6	ritesh	rajesh	1	A		6
Q1753-08	WC-2	TCLP BNA	100	6	ritesh	rajesh	1	A		7
Q1754-02	TP-1	TCLP BNA	100	6	ritesh	rajesh	1	A		8
Q1754-04	TP-1-CONCRETE	TCLP BNA	100	6	ritesh	rajesh	1	A		9

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

4/9/25

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167467

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
PB167467TB	LEB467	18	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-2
Q1712-04	Z-05A	01	100.02	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1712-08	TT-7	02	100.03	2000	N/A	N/A	N/A	7.6	1.0	T-1
Q1719-01	TP-3-1	03	100.04	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q1719-02	TP-3-2	04	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1719-03	TP-3-3	05	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q1719-04	TP-3-4	06	100.02	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q1719-05	TP-3-5	07	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q1719-06	TP-3-6	08	100.02	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q1719-07	TP-3-7	09	100.01	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q1719-08	TP-3-8	10	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q1719-09	TP-3-9	11	100.03	2000	N/A	N/A	N/A	5.5	1.5	T-2
Q1719-10	TP-3-10	12	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q1719-11	TP-3-11	13	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q1719-12	TP-3-12	14	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-2
Q1732-04	TT-8	15	100.03	2000	N/A	N/A	N/A	8.6	1.0	T-2
Q1737-02	RT3069	16	100.02	2000	N/A	N/A	N/A	6.2	1.5	T-2
Q1740-04	TP-20	17	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-2

04/07/25
11:00

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167488

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
PB167488TB	LEB488	N/A	N/A	N/A	N/A	N/A	N/A	4.94	1.0	N/A
Q1739-02	WC-LIQUID-20250404	N/A	N/A	N/A	N/A	N/A	N/A	6.6	1.5	N/A

04/07/25
12:30

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167517

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
PB167517TB	LEB517	19	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2
Q1743-04	TP-16	01	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q1744-02	B-158-SB01	02	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1744-04	B-158-SB02	03	100.04	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q1745-04	IB-6A-WC	04	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1745-12	IB-6.5-WC	05	100.03	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q1746-02	B-149-SB01	06	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1746-04	B-149-SB02	07	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q1748-04	IB-1.5-WC	08	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1748-08	IB-2A-WC	09	100.03	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1749-04	TP-14	10	100.04	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1752-02	TP-1	11	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-2
Q1752-04	TP-2	12	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-2
Q1752-06	TP-3	13	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-2
Q1752-08	TP-4	14	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-2
Q1753-04	WC-1	15	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-2
Q1753-08	WC-2	16	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-2
Q1754-02	TP-1	17	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q1754-04	TP-1-CONCRETE	18	100.04	2000	N/A	N/A	N/A	8.6	1.5	T-2

04/09/25

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

LAB CHRONICLE

OrderID:	Q1744	**OrderDate:**	4/7/2025 11:34:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1744-02	**B-158-SB01**	**TCLP**			**04/05/25**			**04/07/25**
			TCLP BNA	8270E		04/09/25	04/11/25	
Q1744-04	**B-158-SB02**	**TCLP**			**04/05/25**			**04/07/25**
			TCLP BNA	8270E		04/09/25	04/11/25	