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

Hit Summary Sheet
SW-846

SDG No.: Q1422

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**B-154-SB01**								
Q1422-01	B-154-SB01	SOIL	1,3-Benzenedicarboxylic acid, bis	*	1,300.000	J	0	0	ug/Kg
Q1422-01	B-154-SB01	SOIL	Benzophenone	*	190.000	J	0	0	ug/Kg
Q1422-01	B-154-SB01	SOIL	n-Hexadecanoic acid	*	900.000	J	0	0	ug/Kg
Q1422-01	B-154-SB01	SOIL	Octadecanoic acid	*	450.000	J	0	0	ug/Kg
Q1422-01	B-154-SB01	SOIL	Pentafluoropropionic acid, pentad	*	140.000	J	0	0	ug/Kg
			Total Tics :		**2,980.00**				
			Total Concentration:		**2,980.00**				
Client ID :	**B-154-SB02**								
Q1422-02	B-154-SB02	SOIL	1-Tricosene	*	91.000	J	0	0	ug/Kg
Q1422-02	B-154-SB02	SOIL	Benzophenone	*	84.200	J	0	0	ug/Kg
			Total Tics :		**175.20**				
			Total Concentration:		**175.20**				

SAMPLE DATA

Raw Data: **BF141783.D**

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

Client:	Portal Partners Tri-Venture	Date Collected:	02/23/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/25/25
Client Sample ID:	B-154-SB01	SDG No.:	Q1422
Lab Sample ID:	Q1422-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141783.D	1	02/26/25 08:35	02/26/25 15:29	PB166870

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	210	U	210	370	ug/Kg
108-95-2	Phenol	93.7	U	93.7	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	94.6	U	94.6	190	ug/Kg
95-57-8	2-Chlorophenol	94.4	U	94.4	190	ug/Kg
95-48-7	2-Methylphenol	91.1	U	91.1	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	190	ug/Kg
98-86-2	Acetophenone	98.2	U	98.2	190	ug/Kg
65794-96-9	3+4-Methylphenols	90.2	U	90.2	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	45.6	U	45.6	90.4	ug/Kg
67-72-1	Hexachloroethane	93.8	U	93.8	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	190	ug/Kg
78-59-1	Isophorone	95.6	U	95.6	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	97.0	U	97.0	190	ug/Kg
120-83-2	2,4-Dichlorophenol	85.4	U	85.4	190	ug/Kg
91-20-3	Naphthalene	93.4	U	93.4	190	ug/Kg
106-47-8	4-Chloroaniline	93.4	UQ	93.4	190	ug/Kg
87-68-3	Hexachlorobutadiene	94.2	U	94.2	190	ug/Kg
105-60-2	Caprolactam	98.1	U	98.1	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	87.6	U	87.6	190	ug/Kg
91-57-6	2-Methylnaphthalene	93.3	U	93.3	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	U	180	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	80.7	U	80.7	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	83.7	U	83.7	190	ug/Kg
92-52-4	1,1-Biphenyl	98.8	U	98.8	190	ug/Kg
91-58-7	2-Chloronaphthalene	94.2	U	94.2	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	190	ug/Kg
131-11-3	Dimethylphthalate	92.4	U	92.4	190	ug/Kg

Raw Data: **BF141783.D**

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

Client:	Portal Partners Tri-Venture	Date Collected:	02/23/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/25/25
Client Sample ID:	B-154-SB01	SDG No.:	Q1422
Lab Sample ID:	Q1422-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141783.D	1	02/26/25 08:35	02/26/25 15:29	PB166870

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	97.8	U	97.8	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	94.1	U	94.1	190	ug/Kg
99-09-2	3-Nitroaniline	100	UQ	100	190	ug/Kg
83-32-9	Acenaphthene	91.7	U	91.7	190	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	370	ug/Kg
132-64-9	Dibenzofuran	95.4	U	95.4	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	97.4	U	97.4	190	ug/Kg
84-66-2	Diethylphthalate	90.6	U	90.6	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	96.8	U	96.8	190	ug/Kg
86-73-7	Fluorene	96.7	U	96.7	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	92.2	U	92.2	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	89.2	U	89.2	190	ug/Kg
118-74-1	Hexachlorobenzene	96.1	U	96.1	190	ug/Kg
1912-24-9	Atrazine	100	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	87.4	U	87.4	370	ug/Kg
85-01-8	Phenanthrene	95.0	U	95.0	190	ug/Kg
120-12-7	Anthracene	95.4	U	95.4	190	ug/Kg
86-74-8	Carbazole	90.8	U	90.8	190	ug/Kg
84-74-2	Di-n-butylphthalate	95.3	U	95.3	190	ug/Kg
206-44-0	Fluoranthene	92.4	U	92.4	190	ug/Kg
129-00-0	Pyrene	93.8	U	93.8	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	UQ	110	370	ug/Kg
56-55-3	Benzo(a)anthracene	91.2	U	91.2	190	ug/Kg
218-01-9	Chrysene	89.9	U	89.9	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	91.7	U	91.7	190	ug/Kg

Raw Data: **BF141783.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/23/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/25/25
Client Sample ID:	B-154-SB01	SDG No.:	Q1422
Lab Sample ID:	Q1422-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141783.D	1	02/26/25 08:35	02/26/25 15:29	PB166870

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	93.4	U	93.4	190	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	88.3	U	88.3	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	91.8	U	91.8	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	90.6	U	90.6	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	98.1	U	98.1	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	84.4	U	84.4	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	96.6		30 (18) - 130 (112)	64%	SPK: 150
13127-88-3	Phenol-d6	96.3		30 (15) - 130 (107)	64%	SPK: 150
4165-60-0	Nitrobenzene-d5	62.5		30 (18) - 130 (107)	62%	SPK: 100
321-60-8	2-Fluorobiphenyl	65.1		30 (20) - 130 (109)	65%	SPK: 100
118-79-6	2,4,6-Tribromophenol	91.4		30 (10) - 130 (116)	61%	SPK: 150
1718-51-0	Terphenyl-d14	60.7		30 (10) - 130 (105)	61%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	72300	6.781			
1146-65-2	Naphthalene-d8	293000	8.063			
15067-26-2	Acenaphthene-d10	159000	9.81			
1517-22-2	Phenanthrene-d10	283000	11.298			
1719-03-5	Chrysene-d12	229000	13.939			
1520-96-3	Perylene-d12	192000	15.386			
TENTATIVE IDENTIFIED COMPOUNDS						
000119-61-9	Benzophenone	190	J		10.5	ug/Kg
000057-10-3	n-Hexadecanoic acid	900	J		11.8	ug/Kg
000057-11-4	Octadecanoic acid	450	J		12.6	ug/Kg
000137-89-3	1,3-Benzenedicarboxylic acid, bis(	1300	J		13.1	ug/Kg
959092-08-1	Pentafluoropropionic acid, pentade	140	J		13.8	ug/Kg

Raw Data: **BF141783.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/23/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/25/25
Client Sample ID:	B-154-SB01	SDG No.:	Q1422
Lab Sample ID:	Q1422-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141783.D	1	02/26/25 08:35	02/26/25 15:29	PB166870

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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: **BF141786.D**

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

Client:	Portal Partners Tri-Venture	Date Collected:	02/23/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/25/25
Client Sample ID:	B-154-SB02	SDG No.:	Q1422
Lab Sample ID:	Q1422-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141786.D	1	02/26/25 08:35	02/26/25 16:57	PB166870

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	210	U	210	380	ug/Kg
108-95-2	Phenol	94.7	U	94.7	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	95.7	U	95.7	190	ug/Kg
95-57-8	2-Chlorophenol	95.4	U	95.4	190	ug/Kg
95-48-7	2-Methylphenol	92.1	U	92.1	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	190	ug/Kg
98-86-2	Acetophenone	99.3	U	99.3	190	ug/Kg
65794-96-9	3+4-Methylphenols	91.2	U	91.2	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	46.1	U	46.1	91.4	ug/Kg
67-72-1	Hexachloroethane	94.9	U	94.9	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	190	ug/Kg
78-59-1	Isophorone	96.7	U	96.7	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	98.1	U	98.1	190	ug/Kg
120-83-2	2,4-Dichlorophenol	86.3	U	86.3	190	ug/Kg
91-20-3	Naphthalene	94.4	U	94.4	190	ug/Kg
106-47-8	4-Chloroaniline	94.4	UQ	94.4	190	ug/Kg
87-68-3	Hexachlorobutadiene	95.2	U	95.2	190	ug/Kg
105-60-2	Caprolactam	99.2	U	99.2	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	88.6	U	88.6	190	ug/Kg
91-57-6	2-Methylnaphthalene	94.3	U	94.3	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	U	180	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	81.6	U	81.6	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	84.6	U	84.6	190	ug/Kg
92-52-4	1,1-Biphenyl	99.9	U	99.9	190	ug/Kg
91-58-7	2-Chloronaphthalene	95.2	U	95.2	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	190	ug/Kg
131-11-3	Dimethylphthalate	93.4	U	93.4	190	ug/Kg

Raw Data: **BF141786.D**

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

Client:	Portal Partners Tri-Venture	Date Collected:	02/23/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/25/25
Client Sample ID:	B-154-SB02	SDG No.:	Q1422
Lab Sample ID:	Q1422-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141786.D	1	02/26/25 08:35	02/26/25 16:57	PB166870

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	98.9	U	98.9	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	95.1	U	95.1	190	ug/Kg
99-09-2	3-Nitroaniline	100	UQ	100	190	ug/Kg
83-32-9	Acenaphthene	92.7	U	92.7	190	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	380	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	380	ug/Kg
132-64-9	Dibenzofuran	96.5	U	96.5	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	98.5	U	98.5	190	ug/Kg
84-66-2	Diethylphthalate	91.5	U	91.5	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	97.8	U	97.8	190	ug/Kg
86-73-7	Fluorene	97.7	U	97.7	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.3	U	93.3	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	90.2	U	90.2	190	ug/Kg
118-74-1	Hexachlorobenzene	97.1	U	97.1	190	ug/Kg
1912-24-9	Atrazine	100	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	88.3	U	88.3	380	ug/Kg
85-01-8	Phenanthrene	96.0	U	96.0	190	ug/Kg
120-12-7	Anthracene	96.5	U	96.5	190	ug/Kg
86-74-8	Carbazole	91.8	U	91.8	190	ug/Kg
84-74-2	Di-n-butylphthalate	96.3	U	96.3	190	ug/Kg
206-44-0	Fluoranthene	93.4	U	93.4	190	ug/Kg
129-00-0	Pyrene	94.9	U	94.9	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	UQ	110	380	ug/Kg
56-55-3	Benzo(a)anthracene	92.2	U	92.2	190	ug/Kg
218-01-9	Chrysene	90.9	U	90.9	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	92.7	U	92.7	190	ug/Kg

Raw Data: **BF141786.D**

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

Client:	Portal Partners Tri-Venture	Date Collected:	02/23/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/25/25
Client Sample ID:	B-154-SB02	SDG No.:	Q1422
Lab Sample ID:	Q1422-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141786.D	1	02/26/25 08:35	02/26/25 16:57	PB166870

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	94.4	U	94.4	190	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	89.3	U	89.3	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	92.8	U	92.8	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	91.5	U	91.5	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	99.2	U	99.2	190	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	85.4	U	85.4	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	52.5		30 (18) - 130 (112)	35%	SPK: 150
13127-88-3	Phenol-d6	53.9		30 (15) - 130 (107)	36%	SPK: 150
4165-60-0	Nitrobenzene-d5	32.5		30 (18) - 130 (107)	33%	SPK: 100
321-60-8	2-Fluorobiphenyl	36.6		30 (20) - 130 (109)	37%	SPK: 100
118-79-6	2,4,6-Tribromophenol	49.1		30 (10) - 130 (116)	33%	SPK: 150
1718-51-0	Terphenyl-d14	36.7		30 (10) - 130 (105)	37%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	73100	6.781			
1146-65-2	Naphthalene-d8	295000	8.063			
15067-26-2	Acenaphthene-d10	161000	9.816			
1517-22-2	Phenanthrene-d10	288000	11.298			
1719-03-5	Chrysene-d12	231000	13.939			
1520-96-3	Perylene-d12	187000	15.386			
TENTATIVE IDENTIFIED COMPOUNDS						
000119-61-9	Benzophenone	84.2	J		10.5	ug/Kg
018835-32-0	1-Tricosene	91.0	J		13.8	ug/Kg

Raw Data: **BF141786.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:	02/23/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/25/25
Client Sample ID:	B-154-SB02	SDG No.:	Q1422
Lab Sample ID:	Q1422-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141786.D	1	02/26/25 08:35	02/26/25 16:57	PB166870

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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

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

QC SUMMARY

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

SW-846

SDG No.: Q1422

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB166870BL	PB166870BL	2-Fluorophenol	150	138	92		30 (18)	130 (112)
		Phenol-d6	150	133	89		30 (15)	130 (107)
		Nitrobenzene-d5	100	89.2	89		30 (18)	130 (107)
		2-Fluorobiphenyl	100	96.4	96		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	135	90		30 (10)	130 (116)
		Terphenyl-d14	100	99.9	100		30 (10)	130 (105)
PB166870BS	PB166870BS	2-Fluorophenol	150	126	84		30 (18)	130 (112)
		Phenol-d6	150	119	80		30 (15)	130 (107)
		Nitrobenzene-d5	100	84.3	84		30 (18)	130 (107)
		2-Fluorobiphenyl	100	88.7	89		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	132	88		30 (10)	130 (116)
		Terphenyl-d14	100	102	102		30 (10)	130 (105)
Q1422-01	B-154-SB01	2-Fluorophenol	150	96.6	64		30 (18)	130 (112)
		Phenol-d6	150	96.3	64		30 (15)	130 (107)
		Nitrobenzene-d5	100	62.5	62		30 (18)	130 (107)
		2-Fluorobiphenyl	100	65.1	65		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	91.4	61		30 (10)	130 (116)
		Terphenyl-d14	100	60.7	61		30 (10)	130 (105)
Q1422-01MS	B-154-SB01MS	2-Fluorophenol	150	90.9	61		30 (18)	130 (112)
		Phenol-d6	150	87.7	58		30 (15)	130 (107)
		Nitrobenzene-d5	100	58.1	58		30 (18)	130 (107)
		2-Fluorobiphenyl	100	59.6	60		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	92.0	61		30 (10)	130 (116)
		Terphenyl-d14	100	64.2	64		30 (10)	130 (105)
Q1422-01MSD	B-154-SB01MSD	2-Fluorophenol	150	88.8	59		30 (18)	130 (112)
		Phenol-d6	150	86.3	58		30 (15)	130 (107)
		Nitrobenzene-d5	100	56.9	57		30 (18)	130 (107)
		2-Fluorobiphenyl	100	57.6	58		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	89.0	59		30 (10)	130 (116)
		Terphenyl-d14	100	61.6	62		30 (10)	130 (105)
Q1422-02	B-154-SB02	2-Fluorophenol	150	52.5	35		30 (18)	130 (112)
		Phenol-d6	150	53.9	36		30 (15)	130 (107)
		Nitrobenzene-d5	100	32.5	33		30 (18)	130 (107)
		2-Fluorobiphenyl	100	36.6	37		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	49.1	33		30 (10)	130 (116)
		Terphenyl-d14	100	36.7	37		30 (10)	130 (105)

( ) = LABORATORY INHOUSE LIMIT

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1422

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: Q1422-01MS		**Client Sample ID: B-154-SB01MS**						**DataFile: BF141784.D**			
Benzaldehyde	1900	0	980	ug/Kg	52				20 (10)	160 (86)	
Phenol	1900	0	1600	ug/Kg	84				20 (67)	160 (126)	
bis(2-Chloroethyl)ether	1900	0	1600	ug/Kg	84				70 (54)	130 (125)	
2-Chlorophenol	1900	0	1600	ug/Kg	84				70 (79)	130 (107)	
2-Methylphenol	1900	0	1600	ug/Kg	84				70 (66)	130 (122)	
2,2-oxybis(1-Chloropropane)	1900	0	1400	ug/Kg	74				70 (65)	130 (110)	
Acetophenone	1900	0	1700	ug/Kg	89				70 (75)	130 (111)	
3+4-Methylphenols	1900	0	1700	ug/Kg	89				20 (66)	160 (104)	
N-Nitroso-di-n-propylamine	1900	0	1600	ug/Kg	84				70 (59)	130 (119)	
Hexachloroethane	1900	0	1600	ug/Kg	84				20 (65)	160 (117)	
Nitrobenzene	1900	0	1500	ug/Kg	79				70 (70)	130 (119)	
Isophorone	1900	0	1600	ug/Kg	84				70 (76)	130 (122)	
2-Nitrophenol	1900	0	1600	ug/Kg	84				70 (54)	130 (145)	
2,4-Dimethylphenol	1900	0	2000	ug/Kg	105				70 (44)	130 (135)	
bis(2-Chloroethoxy)methane	1900	0	1600	ug/Kg	84				70 (68)	130 (112)	
2,4-Dichlorophenol	1900	0	1600	ug/Kg	84				70 (72)	130 (118)	
Naphthalene	1900	0	1500	ug/Kg	79				70 (72)	130 (110)	
4-Chloroaniline	1900	0	490	ug/Kg	26	*			70 (10)	130 (91)	
Hexachlorobutadiene	1900	0	1600	ug/Kg	84				70 (66)	130 (114)	
Caprolactam	1900	0	1800	ug/Kg	95				20 (51)	160 (134)	
4-Chloro-3-methylphenol	1900	0	1500	ug/Kg	79				70 (57)	130 (132)	
2-Methylnaphthalene	1900	0	1500	ug/Kg	79				70 (59)	130 (123)	
Hexachlorocyclopentadiene	3800	0	4100	ug/Kg	108				20 (10)	160 (175)	
2,4,6-Trichlorophenol	1900	0	1600	ug/Kg	84				70 (72)	130 (117)	
2,4,5-Trichlorophenol	1900	0	1600	ug/Kg	84				70 (72)	130 (117)	
1,1-Biphenyl	1900	0	1800	ug/Kg	95				70 (75)	130 (113)	
2-Chloronaphthalene	1900	0	1600	ug/Kg	84				70 (67)	130 (118)	
2-Nitroaniline	1900	0	1500	ug/Kg	79				70 (69)	130 (127)	
Dimethylphthalate	1900	0	1600	ug/Kg	84				70 (70)	130 (113)	
Acenaphthylene	1900	0	1700	ug/Kg	89				70 (79)	130 (118)	
2,6-Dinitrotoluene	1900	0	1700	ug/Kg	89				70 (70)	130 (125)	
3-Nitroaniline	1900	0	940	ug/Kg	49	*			70 (30)	130 (99)	
Acenaphthene	1900	0	1500	ug/Kg	79				70 (70)	130 (121)	
2,4-Dinitrophenol	3800	0	2400	ug/Kg	63				20 (10)	160 (155)	
4-Nitrophenol	3800	0	2900	ug/Kg	76				20 (45)	160 (133)	
Dibenzofuran	1900	0	1500	ug/Kg	79				70 (72)	130 (110)	
2,4-Dinitrotoluene	1900	0	1600	ug/Kg	84				70 (55)	130 (128)	
Diethylphthalate	1900	0	1600	ug/Kg	84				70 (70)	130 (112)	
4-Chlorophenyl-phenylether	1900	0	1600	ug/Kg	84				70 (71)	130 (108)	
Fluorene	1900	0	1600	ug/Kg	84				70 (68)	130 (116)	
4-Nitroaniline	1900	0	1600	ug/Kg	84				70 (55)	130 (120)	
4,6-Dinitro-2-methylphenol	1900	0	1400	ug/Kg	74				70 (10)	130 (160)	
N-Nitrosodiphenylamine	1900	0	1600	ug/Kg	84				70 (73)	130 (118)	
4-Bromophenyl-phenylether	1900	0	1600	ug/Kg	84				70 (65)	130 (121)	
Hexachlorobenzene	1900	0	1700	ug/Kg	89				70 (67)	130 (118)	
Atrazine	1900	0	2100	ug/Kg	111				70 (79)	130 (127)	

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1422

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
Pentachlorophenol	3800	0	2500	ug/Kg	66				20 (47)	160 (128)	
Phenanthrene	1900	0	1600	ug/Kg	84				70 (52)	130 (128)	
Anthracene	1900	0	1700	ug/Kg	89				70 (62)	130 (124)	
Carbazole	1900	0	1600	ug/Kg	84				70 (59)	130 (119)	
Di-n-butylphthalate	1900	0	1700	ug/Kg	89				70 (69)	130 (118)	
Fluoranthene	1900	0	1600	ug/Kg	84				70 (44)	130 (125)	
Pyrene	1900	0	1600	ug/Kg	84				70 (26)	130 (142)	
Butylbenzylphthalate	1900	0	1800	ug/Kg	95				70 (64)	130 (126)	
3,3-Dichlorobenzidine	1900	0	1200	ug/Kg	63	*			70 (33)	130 (116)	
Benzo(a)anthracene	1900	0	1700	ug/Kg	89				70 (71)	130 (114)	
Chrysene	1900	0	1600	ug/Kg	84				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	1900	0	2100	ug/Kg	111				70 (42)	130 (169)	
Di-n-octyl phthalate	1900	0	2100	ug/Kg	111				70 (23)	130 (175)	
Benzo(b)fluoranthene	1900	0	1400	ug/Kg	74				70 (67)	130 (121)	
Benzo(k)fluoranthene	1900	0	1400	ug/Kg	74				70 (57)	130 (134)	
Benzo(a)pyrene	1900	0	1700	ug/Kg	89				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	1900	0	1800	ug/Kg	95				70 (40)	130 (129)	
Dibenz(a,h)anthracene	1900	0	1800	ug/Kg	95				70 (43)	130 (123)	
Benzo(g,h,i)perylene	1900	0	1700	ug/Kg	89				70 (24)	130 (125)	
1,2,4,5-Tetrachlorobenzene	1900	0	1800	ug/Kg	95				70 (69)	130 (124)	
1,4-Dioxane	1900	0	1600	ug/Kg	84				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	1900	0	1500	ug/Kg	79				70 (69)	130 (112)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1422

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: Q1422-01MSD		**Client Sample ID: B-154-SB01MSD**						**DataFile: BF141785.D**			
Benzaldehyde	1900	0	950	ug/Kg	50		4		20 (10)	160 (86)	30 (20)
Phenol	1900	0	1600	ug/Kg	84		0		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	1900	0	1600	ug/Kg	84		0		70 (54)	130 (125)	30 (20)
2-Chlorophenol	1900	0	1600	ug/Kg	84		0		70 (79)	130 (107)	30 (20)
2-Methylphenol	1900	0	1600	ug/Kg	84		0		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	1900	0	1400	ug/Kg	74		0		70 (65)	130 (110)	30 (20)
Acetophenone	1900	0	1700	ug/Kg	89		0		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	1900	0	1600	ug/Kg	84		6		20 (66)	160 (104)	30 (20)
N-Nitroso-di-n-propylamine	1900	0	1500	ug/Kg	79		6		70 (59)	130 (119)	30 (20)
Hexachloroethane	1900	0	1500	ug/Kg	79		6		20 (65)	160 (117)	30 (20)
Nitrobenzene	1900	0	1500	ug/Kg	79		0		70 (70)	130 (119)	30 (20)
Isophorone	1900	0	1600	ug/Kg	84		0		70 (76)	130 (122)	30 (20)
2-Nitrophenol	1900	0	1600	ug/Kg	84		0		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	1900	0	2000	ug/Kg	105		0		70 (44)	130 (135)	30 (20)
bis(2-Chloroethoxy)methane	1900	0	1600	ug/Kg	84		0		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	1900	0	1600	ug/Kg	84		0		70 (72)	130 (118)	30 (20)
Naphthalene	1900	0	1500	ug/Kg	79		0		70 (72)	130 (110)	30 (20)
4-Chloroaniline	1900	0	520	ug/Kg	27	*	4		70 (10)	130 (91)	30 (20)
Hexachlorobutadiene	1900	0	1600	ug/Kg	84		0		70 (66)	130 (114)	30 (20)
Caprolactam	1900	0	1800	ug/Kg	95		0		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	1900	0	1500	ug/Kg	79		0		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	1900	0	1500	ug/Kg	79		0		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	3800	0	3600	ug/Kg	95		13		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	1900	0	1500	ug/Kg	79		6		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	1900	0	1500	ug/Kg	79		6		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	1900	0	1700	ug/Kg	89		7		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	1900	0	1500	ug/Kg	79		6		70 (67)	130 (118)	30 (20)
2-Nitroaniline	1900	0	1500	ug/Kg	79		0		70 (69)	130 (127)	30 (20)
Dimethylphthalate	1900	0	1600	ug/Kg	84		0		70 (70)	130 (113)	30 (20)
Acenaphthylene	1900	0	1600	ug/Kg	84		6		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	1900	0	1600	ug/Kg	84		6		70 (70)	130 (125)	30 (20)
3-Nitroaniline	1900	0	900	ug/Kg	47	*	4		70 (30)	130 (99)	30 (20)
Acenaphthene	1900	0	1500	ug/Kg	79		0		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	3800	0	2600	ug/Kg	68		8		20 (10)	160 (155)	30 (20)
4-Nitrophenol	3800	0	2900	ug/Kg	76		0		20 (45)	160 (133)	30 (20)
Dibenzofuran	1900	0	1500	ug/Kg	79		0		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	1900	0	1600	ug/Kg	84		0		70 (55)	130 (128)	30 (20)
Diethylphthalate	1900	0	1500	ug/Kg	79		6		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	1900	0	1600	ug/Kg	84		0		70 (71)	130 (108)	30 (20)
Fluorene	1900	0	1600	ug/Kg	84		0		70 (68)	130 (116)	30 (20)
4-Nitroaniline	1900	0	1500	ug/Kg	79		6		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	1900	0	1400	ug/Kg	74		0		70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	1900	0	1600	ug/Kg	84		0		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	1900	0	1600	ug/Kg	84		0		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	1900	0	1600	ug/Kg	84		6		70 (67)	130 (118)	30 (20)
Atrazine	1900	0	2000	ug/Kg	105		6		70 (79)	130 (127)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1422

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
Pentachlorophenol	3800	0	2500	ug/Kg	66		0		20 (47)	160 (128)	30 (20)
Phenanthrene	1900	0	1600	ug/Kg	84		0		70 (52)	130 (128)	30 (20)
Anthracene	1900	0	1700	ug/Kg	89		0		70 (62)	130 (124)	30 (20)
Carbazole	1900	0	1600	ug/Kg	84		0		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	1900	0	1600	ug/Kg	84		6		70 (69)	130 (118)	30 (20)
Fluoranthene	1900	0	1600	ug/Kg	84		0		70 (44)	130 (125)	30 (20)
Pyrene	1900	0	1600	ug/Kg	84		0		70 (26)	130 (142)	30 (20)
Butylbenzylphthalate	1900	0	1800	ug/Kg	95		0		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	1900	0	1200	ug/Kg	63	*	0		70 (33)	130 (116)	30 (20)
Benzo(a)anthracene	1900	0	1600	ug/Kg	84		6		70 (71)	130 (114)	30 (20)
Chrysene	1900	0	1600	ug/Kg	84		0		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	1900	0	2100	ug/Kg	111		0		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	1900	0	2000	ug/Kg	105		6		70 (23)	130 (175)	30 (20)
Benzo(b)fluoranthene	1900	0	1400	ug/Kg	74		0		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	1900	0	1700	ug/Kg	89		18		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	1900	0	1600	ug/Kg	84		6		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	1900	0	1800	ug/Kg	95		0		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	1900	0	1800	ug/Kg	95		0		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	1900	0	1600	ug/Kg	84		6		70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	1900	0	1700	ug/Kg	89		7		70 (69)	130 (124)	30 (20)
1,4-Dioxane	1900	0	1600	ug/Kg	84		0		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	1900	0	1400	ug/Kg	74		7		70 (69)	130 (112)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1422

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF141779.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB166870BS	Benzaldehyde	1700	880	ug/Kg	52				20 (10)	160 (133)	
	Phenol	1700	1300	ug/Kg	76				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				70 (60)	130 (101)	
	2-Chlorophenol	1700	1400	ug/Kg	82				70 (65)	130 (112)	
	2-Methylphenol	1700	1400	ug/Kg	82				70 (61)	130 (108)	
	2,2-oxybis(1-Chloropropane)	1700	1200	ug/Kg	71				70 (51)	130 (100)	
	Acetophenone	1700	1500	ug/Kg	88				70 (66)	130 (98)	
	3+4-Methylphenols	1700	1400	ug/Kg	82				20 (58)	160 (111)	
	N-Nitroso-di-n-propylamine	1700	1300	ug/Kg	76				70 (63)	130 (95)	
	Hexachloroethane	1700	1400	ug/Kg	82				20 (72)	160 (108)	
	Nitrobenzene	1700	1300	ug/Kg	76				70 (57)	130 (101)	
	Isophorone	1700	1500	ug/Kg	88				70 (59)	130 (99)	
	2-Nitrophenol	1700	1400	ug/Kg	82				70 (61)	130 (111)	
	2,4-Dimethylphenol	1700	1800	ug/Kg	106				70 (46)	130 (141)	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				70 (66)	130 (97)	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				70 (62)	130 (107)	
	Naphthalene	1700	1400	ug/Kg	82				70 (62)	130 (100)	
	4-Chloroaniline	1700	550	ug/Kg	32		*		70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				70 (53)	130 (98)	
	Caprolactam	1700	1600	ug/Kg	94				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				70 (58)	130 (112)	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	4000	ug/Kg	121				20 (45)	160 (165)	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				70 (61)	130 (98)	
	1,1-Biphenyl	1700	1500	ug/Kg	88				70 (57)	130 (103)	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				70 (58)	130 (99)	
	2-Nitroaniline	1700	1300	ug/Kg	76				70 (66)	130 (101)	
	Dimethylphthalate	1700	1500	ug/Kg	88				70 (61)	130 (99)	
	Acenaphthylene	1700	1500	ug/Kg	88				70 (63)	130 (101)	
	2,6-Dinitrotoluene	1700	1400	ug/Kg	82				70 (61)	130 (104)	
	3-Nitroaniline	1700	770	ug/Kg	45		*		70 (28)	130 (100)	
	Acenaphthene	1700	1400	ug/Kg	82				70 (57)	130 (104)	
	2,4-Dinitrophenol	3300	2800	ug/Kg	85				20 (37)	160 (128)	
	4-Nitrophenol	3300	2400	ug/Kg	73				20 (48)	160 (119)	
	Dibenzofuran	1700	1400	ug/Kg	82				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				70 (60)	130 (106)	
	Diethylphthalate	1700	1400	ug/Kg	82				70 (60)	130 (101)	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				70 (58)	130 (98)	
	Fluorene	1700	1400	ug/Kg	82				70 (61)	130 (101)	
	4-Nitroaniline	1700	1400	ug/Kg	82				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	1400	ug/Kg	82				70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				70 (71)	130 (99)	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				70 (66)	130 (102)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1422

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF141779.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB166870BS	Hexachlorobenzene	1700	1500	ug/Kg	88				70 (64)	130 (98)	
	Atrazine	1700	1900	ug/Kg	112				70 (47)	130 (152)	
	Pentachlorophenol	3300	2300	ug/Kg	70				20 (67)	160 (105)	
	Phenanthrene	1700	1400	ug/Kg	82				70 (59)	130 (103)	
	Anthracene	1700	1500	ug/Kg	88				70 (61)	130 (105)	
	Carbazole	1700	1400	ug/Kg	82				70 (61)	130 (99)	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				70 (58)	130 (104)	
	Fluoranthene	1700	1400	ug/Kg	82				70 (57)	130 (107)	
	Pyrene	1700	1500	ug/Kg	88				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				70 (55)	130 (103)	
	3,3-Dichlorobenzidine	1700	980	ug/Kg	58		*		70 (42)	130 (91)	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				70 (60)	130 (102)	
	Chrysene	1700	1400	ug/Kg	82				70 (59)	130 (101)	
	bis(2-Ethylhexyl)phthalate	1700	1900	ug/Kg	112				70 (54)	130 (135)	
	Di-n-octyl phthalate	1700	1900	ug/Kg	112				70 (52)	130 (137)	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1300	ug/Kg	76				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1500	ug/Kg	88				70 (63)	130 (103)	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70 (70)	130 (108)	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				70 (53)	130 (101)	
	1,4-Dioxane	1700	1300	ug/Kg	76				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1400	ug/Kg	82				70 (59)	130 (108)	

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166870BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1422 SAS No.: Q1422 SDG NO.: Q1422

Lab File ID: BF141778.D Lab Sample ID: PB166870BL

Instrument ID: BNA_F Date Extracted: 02/26/2025

Matrix: (soil/water) SOIL Date Analyzed: 02/26/2025

Level: (low/med) LOW Time Analyzed: 12:56

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB166870BS	PB166870BS	BF141779.D	02/26/2025
B-154-SB01	Q1422-01	BF141783.D	02/26/2025
B-154-SB01MS	Q1422-01MS	BF141784.D	02/26/2025
B-154-SB01MSD	Q1422-01MSD	BF141785.D	02/26/2025
B-154-SB02	Q1422-02	BF141786.D	02/26/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1422 SDG NO.: Q1422

Lab File ID: BF141471.D DFTPP Injection Date: 02/06/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:41

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.2
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36.7
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	49.1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	25.6
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	12.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.4 (18.9) 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	BF141472.D	02/06/2025	11:07
SSTDICC005	SSTDICC005	BF141473.D	02/06/2025	11:34
SSTDICC010	SSTDICC010	BF141474.D	02/06/2025	12:00
SSTDICC020	SSTDICC020	BF141475.D	02/06/2025	12:26
SSTDICCC040	SSTDICCC040	BF141476.D	02/06/2025	12:55
SSTDICC050	SSTDICC050	BF141477.D	02/06/2025	13:21
SSTDICC060	SSTDICC060	BF141478.D	02/06/2025	13:47
SSTDICC080	SSTDICC080	BF141479.D	02/06/2025	14:14

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1422 SDG NO.: Q1422

Lab File ID: BF141774.D DFTPP Injection Date: 02/26/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:16

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	33.5
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	47.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	27.2
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	14
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.7 (18.9) 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	BF141775.D	02/26/2025	10:45
PB166870BL	PB166870BL	BF141778.D	02/26/2025	12:56
PB166870BS	PB166870BS	BF141779.D	02/26/2025	13:26
B-154-SB01	Q1422-01	BF141783.D	02/26/2025	15:29
B-154-SB01MS	Q1422-01MS	BF141784.D	02/26/2025	15:59
B-154-SB01MSD	Q1422-01MSD	BF141785.D	02/26/2025	16:28
B-154-SB02	Q1422-02	BF141786.D	02/26/2025	16:57

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1422 SAS No.: Q1422 SDG NO.: Q1422

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/26/2025

Lab File ID: BF141775.D Time Analyzed: 10:45

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	85384	6.781	345346	8.06	188350	9.82
	UPPER LIMIT	170768	7.281	690692	8.563	376700	10.316
	LOWER LIMIT	42692	6.281	172673	7.563	94175	9.316
	EPA SAMPLE NO.						
01	PB166870BL	79623	6.78	323428	8.06	175903	9.82
02	PB166870BS	85071	6.78	333608	8.06	184169	9.82
03	B-154-SB01	72268	6.78	292697	8.06	159017	9.81
04	B-154-SB01MS	79854	6.78	322962	8.06	177311	9.82
05	B-154-SB01MSD	75036	6.78	298435	8.06	168527	9.82
06	B-154-SB02	73149	6.78	294675	8.06	161129	9.82

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.: Q1422 SAS No.: Q1422 SDG NO.: Q1422

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/26/2025

Lab File ID: BF141775.D Time Analyzed: 10:45

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	315416	11.304	190171	13.945	189428	15.392
	UPPER LIMIT	630832	11.804	380342	14.445	378856	15.892
	LOWER LIMIT	157708	10.804	95085.5	13.445	94714	14.892
	EPA SAMPLE NO.						
01	PB166870BL	313562	11.30	221568	13.95	172653	15.39
02	PB166870BS	318764	11.30	204697	13.95	183683	15.39
03	B-154-SB01	283246	11.30	228691	13.94	192278	15.39
04	B-154-SB01MS	312658	11.30	214920	13.95	184312	15.39
05	B-154-SB01MSD	293184	11.30	207473	13.95	181155	15.39
06	B-154-SB02	287751	11.30	231209	13.94	186877	15.39

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: **BF141778.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166870BL	SDG No.:	Q1422
Lab Sample ID:	PB166870BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141778.D	1	02/26/25 08:35	02/26/25 12:56	PB166870

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	330	ug/Kg
108-95-2	Phenol	82.9	U	82.9	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.7	U	83.7	170	ug/Kg
95-57-8	2-Chlorophenol	83.5	U	83.5	170	ug/Kg
95-48-7	2-Methylphenol	80.6	U	80.6	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.9	U	90.9	170	ug/Kg
98-86-2	Acetophenone	86.9	U	86.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.8	U	79.8	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	80.0	ug/Kg
67-72-1	Hexachloroethane	83.0	U	83.0	170	ug/Kg
98-95-3	Nitrobenzene	90.8	U	90.8	170	ug/Kg
78-59-1	Isophorone	84.6	U	84.6	170	ug/Kg
88-75-5	2-Nitrophenol	94.5	U	94.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.2	U	93.2	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.8	U	85.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.5	U	75.5	170	ug/Kg
91-20-3	Naphthalene	82.6	U	82.6	170	ug/Kg
106-47-8	4-Chloroaniline	82.6	U	82.6	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.3	U	83.3	170	ug/Kg
105-60-2	Caprolactam	86.8	U	86.8	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.5	U	77.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.5	U	82.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74.0	U	74.0	170	ug/Kg
92-52-4	1,1-Biphenyl	87.4	U	87.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.3	U	83.3	170	ug/Kg
88-74-4	2-Nitroaniline	95.0	U	95.0	170	ug/Kg
131-11-3	Dimethylphthalate	81.7	U	81.7	170	ug/Kg

Raw Data: **BF141778.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:	PB166870BL	SDG No.:	Q1422
Lab Sample ID:	PB166870BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141778.D	1	02/26/25 08:35	02/26/25 12:56	PB166870

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	86.5	U	86.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.2	U	83.2	170	ug/Kg
99-09-2	3-Nitroaniline	89.2	U	89.2	170	ug/Kg
83-32-9	Acenaphthene	81.1	U	81.1	170	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	330	ug/Kg
132-64-9	Dibenzofuran	84.4	U	84.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.2	U	86.2	170	ug/Kg
84-66-2	Diethylphthalate	80.1	U	80.1	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.6	U	85.6	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.6	U	81.6	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.9	U	78.9	170	ug/Kg
118-74-1	Hexachlorobenzene	85.0	U	85.0	170	ug/Kg
1912-24-9	Atrazine	91.4	U	91.4	170	ug/Kg
87-86-5	Pentachlorophenol	77.3	U	77.3	330	ug/Kg
85-01-8	Phenanthrene	84.0	U	84.0	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	170	ug/Kg
129-00-0	Pyrene	83.0	U	83.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91.0	U	91.0	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	170	ug/Kg

Raw Data: **BF141778.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:	
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	
Client Sample ID:	PB166870BL			SDG No.:	Q1422
Lab Sample ID:	PB166870BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
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
BF141778.D	1	02/26/25 08:35	02/26/25 12:56	PB166870

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	93.0	U	93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	138		30 (18) - 130 (112)	92%	SPK: 150
13127-88-3	Phenol-d6	133		30 (15) - 130 (107)	89%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.2		30 (18) - 130 (107)	89%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.4		30 (20) - 130 (109)	96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	135		30 (10) - 130 (116)	90%	SPK: 150
1718-51-0	Terphenyl-d14	99.9		30 (10) - 130 (105)	100%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	79600	6.781			
1146-65-2	Naphthalene-d8	323000	8.063			
15067-26-2	Acenaphthene-d10	176000	9.816			
1517-22-2	Phenanthrene-d10	314000	11.304			
1719-03-5	Chrysene-d12	222000	13.945			
1520-96-3	Perylene-d12	173000	15.392			

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: **BF141779.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:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166870BS	SDG No.:	Q1422
Lab Sample ID:	PB166870BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141779.D	1	02/26/25 08:35	02/26/25 13:26	PB166870

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	880		180	330	ug/Kg
108-95-2	Phenol	1300		82.8	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		83.6	170	ug/Kg
95-57-8	2-Chlorophenol	1400		83.4	170	ug/Kg
95-48-7	2-Methylphenol	1400		80.5	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1200		90.8	170	ug/Kg
98-86-2	Acetophenone	1500		86.8	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		79.7	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1300		40.3	79.9	ug/Kg
67-72-1	Hexachloroethane	1400		82.9	170	ug/Kg
98-95-3	Nitrobenzene	1300		90.7	170	ug/Kg
78-59-1	Isophorone	1500		84.5	170	ug/Kg
88-75-5	2-Nitrophenol	1400		94.4	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		93.1	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		85.7	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1400		75.4	170	ug/Kg
91-20-3	Naphthalene	1400		82.5	170	ug/Kg
106-47-8	4-Chloroaniline	550		82.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		83.2	170	ug/Kg
105-60-2	Caprolactam	1600		86.7	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		77.4	170	ug/Kg
91-57-6	2-Methylnaphthalene	1300		82.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4000	E	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1400		71.3	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		73.9	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		87.3	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.2	170	ug/Kg
88-74-4	2-Nitroaniline	1300		94.9	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.6	170	ug/Kg

Raw Data: **BF141779.D**

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

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166870BS	SDG No.:	Q1422
Lab Sample ID:	PB166870BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141779.D	1	02/26/25 08:35	02/26/25 13:26	PB166870

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1500		86.4	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		83.1	170	ug/Kg
99-09-2	3-Nitroaniline	770		89.1	170	ug/Kg
83-32-9	Acenaphthene	1400		81.0	170	ug/Kg
51-28-5	2,4-Dinitrophenol	2800	E	240	330	ug/Kg
100-02-7	4-Nitrophenol	2400		120	330	ug/Kg
132-64-9	Dibenzofuran	1400		84.3	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		86.1	170	ug/Kg
84-66-2	Diethylphthalate	1400		80.0	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		85.5	170	ug/Kg
86-73-7	Fluorene	1400		85.4	170	ug/Kg
100-01-6	4-Nitroaniline	1400		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1400		120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		81.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		78.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		84.9	170	ug/Kg
1912-24-9	Atrazine	1900		91.3	170	ug/Kg
87-86-5	Pentachlorophenol	2300		77.2	330	ug/Kg
85-01-8	Phenanthrene	1400		83.9	170	ug/Kg
120-12-7	Anthracene	1500		84.3	170	ug/Kg
86-74-8	Carbazole	1400		80.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.2	170	ug/Kg
206-44-0	Fluoranthene	1400		81.6	170	ug/Kg
129-00-0	Pyrene	1500		82.9	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		96.7	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	980		98.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		80.6	170	ug/Kg
218-01-9	Chrysene	1400		79.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1900		90.9	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1900		110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		81.0	170	ug/Kg

Raw Data: **BF141779.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:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166870BS	SDG No.:	Q1422
Lab Sample ID:	PB166870BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141779.D	1	02/26/25 08:35	02/26/25 13:26	PB166870

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1300		82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	1500		92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		80.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		86.7	170	ug/Kg
123-91-1	1,4-Dioxane	1300		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		74.6	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	126		30 (18) - 130 (112)	84%	SPK: 150
13127-88-3	Phenol-d6	119		30 (15) - 130 (107)	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.3		30 (18) - 130 (107)	84%	SPK: 100
321-60-8	2-Fluorobiphenyl	88.7		30 (20) - 130 (109)	89%	SPK: 100
118-79-6	2,4,6-Tribromophenol	132		30 (10) - 130 (116)	88%	SPK: 150
1718-51-0	Terphenyl-d14	102		30 (10) - 130 (105)	102%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	85100	6.781			
1146-65-2	Naphthalene-d8	334000	8.063			
15067-26-2	Acenaphthene-d10	184000	9.816			
1517-22-2	Phenanthrene-d10	319000	11.304			
1719-03-5	Chrysene-d12	205000	13.945			
1520-96-3	Perylene-d12	184000	15.386			

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: **BF141784.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:	02/23/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/25/25
Client Sample ID:	B-154-SB01MS	SDG No.:	Q1422
Lab Sample ID:	Q1422-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.4
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141784.D	1	02/26/25 08:35	02/26/25 15:59	PB166870

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	980		210	370	ug/Kg
108-95-2	Phenol	1600		93.6	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		94.5	190	ug/Kg
95-57-8	2-Chlorophenol	1600		94.3	190	ug/Kg
95-48-7	2-Methylphenol	1600		91.0	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		100	190	ug/Kg
98-86-2	Acetophenone	1700		98.1	190	ug/Kg
65794-96-9	3+4-Methylphenols	1700		90.1	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		45.5	90.3	ug/Kg
67-72-1	Hexachloroethane	1600		93.7	190	ug/Kg
98-95-3	Nitrobenzene	1500		100	190	ug/Kg
78-59-1	Isophorone	1600		95.5	190	ug/Kg
88-75-5	2-Nitrophenol	1600		110	190	ug/Kg
105-67-9	2,4-Dimethylphenol	2000		110	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		96.9	190	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		85.2	190	ug/Kg
91-20-3	Naphthalene	1500		93.3	190	ug/Kg
106-47-8	4-Chloroaniline	490		93.3	190	ug/Kg
87-68-3	Hexachlorobutadiene	1600		94.0	190	ug/Kg
105-60-2	Caprolactam	1800		98.0	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		87.5	190	ug/Kg
91-57-6	2-Methylnaphthalene	1500		93.1	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4100	E	180	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		80.6	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		83.5	190	ug/Kg
92-52-4	1,1-Biphenyl	1800		98.7	190	ug/Kg
91-58-7	2-Chloronaphthalene	1600		94.0	190	ug/Kg
88-74-4	2-Nitroaniline	1500		110	190	ug/Kg
131-11-3	Dimethylphthalate	1600		92.2	190	ug/Kg

Raw Data: **BF141784.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:	02/23/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/25/25
Client Sample ID:	B-154-SB01MS	SDG No.:	Q1422
Lab Sample ID:	Q1422-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.4
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141784.D	1	02/26/25 08:35	02/26/25 15:59	PB166870

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1700		97.7	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		93.9	190	ug/Kg
99-09-2	3-Nitroaniline	940		100	190	ug/Kg
83-32-9	Acenaphthene	1500		91.6	190	ug/Kg
51-28-5	2,4-Dinitrophenol	2400		270	370	ug/Kg
100-02-7	4-Nitrophenol	2900		130	370	ug/Kg
132-64-9	Dibenzofuran	1500		95.3	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		97.3	190	ug/Kg
84-66-2	Diethylphthalate	1600		90.4	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		96.6	190	ug/Kg
86-73-7	Fluorene	1600		96.5	190	ug/Kg
100-01-6	4-Nitroaniline	1600		120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1400		130	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		92.1	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		89.1	190	ug/Kg
118-74-1	Hexachlorobenzene	1700		96.0	190	ug/Kg
1912-24-9	Atrazine	2100		100	190	ug/Kg
87-86-5	Pentachlorophenol	2500		87.3	370	ug/Kg
85-01-8	Phenanthrene	1600		94.8	190	ug/Kg
120-12-7	Anthracene	1700		95.3	190	ug/Kg
86-74-8	Carbazole	1600		90.7	190	ug/Kg
84-74-2	Di-n-butylphthalate	1700		95.2	190	ug/Kg
206-44-0	Fluoranthene	1600		92.2	190	ug/Kg
129-00-0	Pyrene	1600		93.7	190	ug/Kg
85-68-7	Butylbenzylphthalate	1800		110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		110	370	ug/Kg
56-55-3	Benzo(a)anthracene	1700		91.1	190	ug/Kg
218-01-9	Chrysene	1600		89.8	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2100		100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	2100		120	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		91.6	190	ug/Kg

Raw Data: **BF141784.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:	02/23/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/25/25
Client Sample ID:	B-154-SB01MS	SDG No.:	Q1422
Lab Sample ID:	Q1422-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.4
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141784.D	1	02/26/25 08:35	02/26/25 15:59	PB166870

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1400		93.3	190	ug/Kg
50-32-8	Benzo(a)pyrene	1700		100	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		88.2	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		91.7	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		90.4	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		98.0	190	ug/Kg
123-91-1	1,4-Dioxane	1600		120	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		84.3	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	90.9		30 (18) - 130 (112)	61%	SPK: 150
13127-88-3	Phenol-d6	87.7		30 (15) - 130 (107)	58%	SPK: 150
4165-60-0	Nitrobenzene-d5	58.1		30 (18) - 130 (107)	58%	SPK: 100
321-60-8	2-Fluorobiphenyl	59.6		30 (20) - 130 (109)	60%	SPK: 100
118-79-6	2,4,6-Tribromophenol	92.0		30 (10) - 130 (116)	61%	SPK: 150
1718-51-0	Terphenyl-d14	64.2		30 (10) - 130 (105)	64%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	79900	6.781			
1146-65-2	Naphthalene-d8	323000	8.063			
15067-26-2	Acenaphthene-d10	177000	9.816			
1517-22-2	Phenanthrene-d10	313000	11.304			
1719-03-5	Chrysene-d12	215000	13.945			
1520-96-3	Perylene-d12	184000	15.386			

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

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:	02/23/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/25/25
Client Sample ID:	B-154-SB01MSD	SDG No.:	Q1422
Lab Sample ID:	Q1422-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141785.D	1	02/26/25 08:35	02/26/25 16:28	PB166870

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	950		210	370	ug/Kg
108-95-2	Phenol	1600		93.6	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		94.5	190	ug/Kg
95-57-8	2-Chlorophenol	1600		94.3	190	ug/Kg
95-48-7	2-Methylphenol	1600		91.0	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		100	190	ug/Kg
98-86-2	Acetophenone	1700		98.1	190	ug/Kg
65794-96-9	3+4-Methylphenols	1600		90.1	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		45.5	90.3	ug/Kg
67-72-1	Hexachloroethane	1500		93.7	190	ug/Kg
98-95-3	Nitrobenzene	1500		100	190	ug/Kg
78-59-1	Isophorone	1600		95.5	190	ug/Kg
88-75-5	2-Nitrophenol	1600		110	190	ug/Kg
105-67-9	2,4-Dimethylphenol	2000		110	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		96.9	190	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		85.3	190	ug/Kg
91-20-3	Naphthalene	1500		93.3	190	ug/Kg
106-47-8	4-Chloroaniline	520		93.3	190	ug/Kg
87-68-3	Hexachlorobutadiene	1600		94.1	190	ug/Kg
105-60-2	Caprolactam	1800		98.0	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		87.5	190	ug/Kg
91-57-6	2-Methylnaphthalene	1500		93.2	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3600	E	180	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		80.6	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		83.6	190	ug/Kg
92-52-4	1,1-Biphenyl	1700		98.7	190	ug/Kg
91-58-7	2-Chloronaphthalene	1500		94.1	190	ug/Kg
88-74-4	2-Nitroaniline	1500		110	190	ug/Kg
131-11-3	Dimethylphthalate	1600		92.3	190	ug/Kg

Raw Data: **BF141785.D**

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

Client:	Portal Partners Tri-Venture	Date Collected:	02/23/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/25/25
Client Sample ID:	B-154-SB01MSD	SDG No.:	Q1422
Lab Sample ID:	Q1422-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141785.D	1	02/26/25 08:35	02/26/25 16:28	PB166870

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1600		97.7	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		94.0	190	ug/Kg
99-09-2	3-Nitroaniline	900		100	190	ug/Kg
83-32-9	Acenaphthene	1500		91.6	190	ug/Kg
51-28-5	2,4-Dinitrophenol	2600		270	370	ug/Kg
100-02-7	4-Nitrophenol	2900		130	370	ug/Kg
132-64-9	Dibenzofuran	1500		95.3	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		97.3	190	ug/Kg
84-66-2	Diethylphthalate	1500		90.5	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		96.7	190	ug/Kg
86-73-7	Fluorene	1600		96.6	190	ug/Kg
100-01-6	4-Nitroaniline	1500		120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1400		130	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		92.2	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		89.1	190	ug/Kg
118-74-1	Hexachlorobenzene	1600		96.0	190	ug/Kg
1912-24-9	Atrazine	2000		100	190	ug/Kg
87-86-5	Pentachlorophenol	2500		87.3	370	ug/Kg
85-01-8	Phenanthrene	1600		94.9	190	ug/Kg
120-12-7	Anthracene	1700		95.3	190	ug/Kg
86-74-8	Carbazole	1600		90.7	190	ug/Kg
84-74-2	Di-n-butylphthalate	1600		95.2	190	ug/Kg
206-44-0	Fluoranthene	1600		92.3	190	ug/Kg
129-00-0	Pyrene	1600		93.7	190	ug/Kg
85-68-7	Butylbenzylphthalate	1800		110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		110	370	ug/Kg
56-55-3	Benzo(a)anthracene	1600		91.1	190	ug/Kg
218-01-9	Chrysene	1600		89.8	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2100		100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	2000		120	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		91.6	190	ug/Kg

Raw Data: **BF141785.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/23/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/25/25
Client Sample ID:	B-154-SB01MSD	SDG No.:	Q1422
Lab Sample ID:	Q1422-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF141785.D	1	02/26/25 08:35	02/26/25 16:28	PB166870

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1700		93.3	190	ug/Kg
50-32-8	Benzo(a)pyrene	1600		110	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		88.2	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		91.7	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		90.5	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		98.0	190	ug/Kg
123-91-1	1,4-Dioxane	1600		120	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		84.4	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	88.8		30 (18) - 130 (112)	59%	SPK: 150
13127-88-3	Phenol-d6	86.3		30 (15) - 130 (107)	58%	SPK: 150
4165-60-0	Nitrobenzene-d5	56.9		30 (18) - 130 (107)	57%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.6		30 (20) - 130 (109)	58%	SPK: 100
118-79-6	2,4,6-Tribromophenol	89.0		30 (10) - 130 (116)	59%	SPK: 150
1718-51-0	Terphenyl-d14	61.6		30 (10) - 130 (105)	62%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	75000	6.781			
1146-65-2	Naphthalene-d8	298000	8.063			
15067-26-2	Acenaphthene-d10	169000	9.816			
1517-22-2	Phenanthrene-d10	293000	11.304			
1719-03-5	Chrysene-d12	207000	13.945			
1520-96-3	Perylene-d12	181000	15.386			

U = Not Detected
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CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF020625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Feb 06 16:58:59 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF141472.D 5 =BF141473.D 10 =BF141474.D 20 =BF141475.D 40 =BF141476.D 50 =BF141477.D 60 =BF141478.D 80 =BF1414
79.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.511	0.519	0.523	0.517	0.502	0.521	0.501	0.513	1.73
3)		Pyridine		1.053	1.205	1.311	1.263	1.256	1.261	1.204	1.222	6.79
4)		n-Nitrosodimet...		0.737	0.774	0.820	0.818	0.835	0.846	0.833	0.809	4.83
5)	S	2-Fluorophenol		1.235	1.290	1.365	1.289	1.273	1.264	1.214	1.276	3.77
6)		Aniline		1.476	1.545	1.650	1.538	1.506	1.494	1.379	1.513	5.42
7)	S	Phenol-d6		1.619	1.629	1.704	1.613	1.599	1.585	1.538	1.612	3.13
8)		2-Chlorophenol		1.399	1.410	1.446	1.379	1.368	1.345	1.302	1.378	3.38
9)		Benzaldehyde		0.892	0.993	0.981	0.821	0.747	0.706		0.857	13.92
10)	C	Phenol		1.693	1.681	1.817	1.685	1.659	1.644	1.569	1.678	4.42
11)		bis(2-Chloroet...		1.262	1.229	1.296	1.266	1.252	1.262	1.256	1.261	1.59
12)		1,3-Dichlorobe...		1.473	1.482	1.554	1.441	1.441	1.430	1.366	1.455	3.95
13)	C	1,4-Dichlorobe...		1.546	1.538	1.571	1.471	1.465	1.439	1.379	1.487	4.59
14)		1,2-Dichlorobe...		1.393	1.439	1.473	1.374	1.351	1.345	1.285	1.380	4.55
15)		Benzyl Alcohol		1.191	1.251	1.322	1.262	1.248	1.218	1.163	1.236	4.19
16)		2,2'-oxybis(1-...		2.222	2.245	2.313	2.165	2.119	2.082	1.959	2.158	5.45
17)		2-Methylphenol		1.116	1.089	1.121	1.077	1.059	1.066	1.024	1.079	3.15
18)		Hexachloroethane		0.539	0.545	0.589	0.553	0.556	0.544	0.526	0.550	3.59
19)	P	n-Nitroso-di-n...	0.950	0.978	0.985	1.039	0.969	0.947	0.941	0.907	0.964	4.03
20)		3+4-Methylphenols		1.442	1.417	1.459	1.372	1.344	1.319	1.244	1.371	5.52
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.517	0.502	0.521	0.493	0.483	0.488	0.478	0.498	3.35
23)	S	Nitrobenzene-d5		0.380	0.379	0.396	0.385	0.378	0.381	0.384	0.383	1.58
24)		Nitrobenzene		0.370	0.371	0.383	0.374	0.369	0.375	0.376	0.374	1.29
25)		Isophorone		0.611	0.594	0.633	0.611	0.601	0.617	0.614	0.611	2.04
26)	C	2-Nitrophenol		0.171	0.175	0.190	0.193	0.190	0.193	0.191	0.186	4.91
27)		2,4-Dimethylph...		0.208	0.212	0.221	0.223	0.218	0.220	0.220	0.217	2.46
28)		bis(2-Chloroet...		0.384	0.390	0.408	0.394	0.387	0.391	0.388	0.392	2.03
29)	C	2,4-Dichloroph...		0.286	0.287	0.312	0.296	0.290	0.292	0.292	0.294	2.95
30)		1,2,4-Trichlor...		0.327	0.321	0.331	0.317	0.312	0.317	0.314	0.320	2.12
31)		Naphthalene		1.067	1.041	1.096	1.037	1.012	1.022	1.012	1.041	2.98
32)		Benzoic acid			0.186	0.217	0.229	0.233	0.243	0.246	0.226	9.70
33)		4-Chloroaniline		0.354	0.352	0.382	0.364	0.360	0.364	0.370	0.363	2.82
34)	C	Hexachlorobuta...		0.193	0.191	0.200	0.192	0.188	0.191	0.189	0.192	2.01
35)		Caprolactam		0.083	0.085	0.094	0.093	0.088	0.091	0.092	0.089	4.75
36)	C	4-Chloro-3-met...		0.310	0.324	0.342	0.329	0.324	0.325	0.324	0.325	2.91
37)		2-Methylnaphth...		0.688	0.689	0.719	0.669	0.659	0.666	0.652	0.677	3.42
38)		1-Methylnaphth...		0.680	0.657	0.691	0.656	0.637	0.640	0.631	0.656	3.40

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF020625.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.582	0.588	0.600	0.584	0.560	0.574	0.562	0.579	2.50
41)	P	Hexachlorocycl...		0.138	0.180	0.204	0.205	0.214	0.214	0.192	15.36
42)	S	2,4,6-Tribromo...	0.201	0.200	0.210	0.200	0.199	0.201	0.196	0.201	2.08
43)	C	2,4,6-Trichlor...	0.364	0.365	0.389	0.377	0.373	0.378	0.372	0.374	2.28
44)		2,4,5-Trichlor...	0.385	0.407	0.430	0.410	0.394	0.409	0.401	0.405	3.51
45)	S	2-Fluorobiphenyl	1.373	1.360	1.385	1.269	1.241	1.259	1.201	1.298	5.62
46)		1,1'-Biphenyl	1.582	1.564	1.632	1.545	1.517	1.537	1.478	1.551	3.16
47)		2-Chloronaphth...	1.167	1.161	1.211	1.135	1.114	1.136	1.103	1.147	3.18
48)		2-Nitroaniline	0.371	0.371	0.394	0.390	0.382	0.401	0.385	0.385	2.92
49)		Acenaphthylene	1.739	1.736	1.791	1.696	1.660	1.689	1.626	1.705	3.21
50)		Dimethylphthalate	1.382	1.359	1.408	1.345	1.324	1.341	1.345	1.358	2.09
51)		2,6-Dinitrotol...	0.289	0.290	0.314	0.301	0.295	0.299	0.290	0.297	3.06
52)	C	Acenaphthene	1.186	1.164	1.188	1.152	1.108	1.127	1.101	1.147	3.10
53)		3-Nitroaniline	0.312	0.313	0.335	0.319	0.320	0.321	0.316	0.319	2.35
54)	P	2,4-Dinitrophenol		0.133	0.167	0.177	0.185	0.198	0.198	0.176	13.83
55)		Dibenzofuran	1.768	1.722	1.774	1.673	1.633	1.634	1.576	1.683	4.44
56)	P	4-Nitrophenol	0.190	0.216	0.247	0.249	0.249	0.257	0.251	0.237	10.43
57)		2,4-Dinitrotol...	0.383	0.403	0.414	0.398	0.390	0.396	0.383	0.395	2.83
58)		Fluorene	1.359	1.361	1.377	1.290	1.239	1.263	1.221	1.301	4.90
59)		2,3,4,6-Tetrac...	0.332	0.361	0.359	0.348	0.348	0.355	0.340	0.349	2.95
60)		Diethylphthalate	1.400	1.346	1.398	1.330	1.300	1.308	1.269	1.336	3.71
61)		4-Chlorophenyl...	0.661	0.643	0.659	0.622	0.602	0.611	0.585	0.626	4.66
62)		4-Nitroaniline	0.315	0.319	0.333	0.335	0.319	0.327	0.324	0.324	2.28
63)		Azobenzene	1.348	1.329	1.385	1.326	1.295	1.320	1.294	1.328	2.38
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.116	0.140	0.142	0.142	0.146	0.148	0.139	8.48
66)	c	n-Nitrosodiphe...	0.650	0.653	0.674	0.627	0.625	0.625	0.627	0.640	2.97
67)		4-Bromophenyl-...	0.228	0.220	0.234	0.221	0.220	0.221	0.221	0.224	2.46
68)		Hexachlorobenzene	0.229	0.234	0.241	0.227	0.224	0.228	0.228	0.230	2.46
69)		Atrazine	0.200	0.203	0.214	0.185	0.185	0.182	0.176	0.192	7.12
70)	C	Pentachlorophenol	0.116	0.131	0.151	0.154	0.158	0.159	0.160	0.147	11.68
71)		Phenanthrene	1.141	1.132	1.161	1.084	1.071	1.069	1.049	1.101	3.91
72)		Anthracene	1.168	1.126	1.158	1.082	1.084	1.071	1.057	1.107	3.99
73)		Carbazole	1.022	1.026	1.076	0.986	0.966	0.961	0.933	0.996	4.87
74)		Di-n-butylphth...	1.165	1.156	1.223	1.141	1.132	1.126	1.105	1.150	3.29
75)	C	Fluoranthene	1.251	1.239	1.243	1.151	1.129	1.091	1.065	1.167	6.63
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.474	0.487	0.334	0.528	0.432	0.351	0.481	0.441	16.58
78)		Pyrene	1.528	1.557	1.717	1.745	1.774	1.807	1.789	1.703	6.67
79)	S	Terphenyl-d14	1.129	1.104	1.211	1.198	1.209	1.234	1.208	1.185	4.07
80)		Butylbenzylpht...	0.525	0.540	0.605	0.609	0.603	0.623	0.624	0.590	6.83
81)		Benzo(a)anthra...	1.381	1.332	1.350	1.345	1.309	1.309	1.279	1.329	2.51
82)		3,3'-Dichlorob...	0.397	0.411	0.407	0.377	0.363	0.353	0.358	0.381	6.31
83)		Chrysene	1.187	1.223	1.314	1.201	1.215	1.224	1.229	1.228	3.34
84)		Bis(2-ethylhex...	0.593	0.610	0.685	0.689	0.680	0.697	0.702	0.665	6.68
85)	c	Di-n-octyl pht...	0.802	0.814	0.910	0.965	1.010	1.051	1.090	0.949	11.82

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF020625.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	0.987	1.029	1.186	1.288	1.341	1.410	1.408	1.236	14.06
88)		Benzo(b)fluora...	1.286	1.407	1.398	1.336	1.350	1.356	1.268	1.343	3.88
89)		Benzo(k)fluora...	1.113	1.216	1.247	1.142	1.074	1.098	1.138	1.147	5.49
90)	C	Benzo(a)pyrene	1.085	1.074	1.115	1.080	1.069	1.094	1.089	1.087	1.41
91)		Dibenzo(a,h)an...	0.796	0.828	0.970	1.051	1.092	1.138	1.134	1.001	14.13
92)		Benzo(g,h,i)pe...	0.805	0.864	1.001	1.100	1.144	1.203	1.218	1.048	15.60

(#) = Out of Range

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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1422 SAS No.: Q1422 SDG No.: Q1422

Instrument ID: BNA_F Calibration Date/Time: 02/26/2025 10:45

Lab File ID: BF141775.D Init. Calib. Date(s): 02/06/2025 02/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:07 14:14

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.276	1.366		7.1	
Benzaldehyde	0.857	0.907		5.8	
Phenol-d6	1.612	1.663		3.2	
Phenol	1.678	1.722		2.6	20.0
bis(2-Chloroethyl)ether	1.261	1.285		1.9	
2-Chlorophenol	1.378	1.467		6.5	
2-Methylphenol	1.079	1.099		1.9	
2,2-oxybis(1-Chloropropane)	2.158	2.011		-6.8	
Acetophenone	0.498	0.499		0.2	
3+4-Methylphenols	1.371	1.432		4.4	
n-Nitroso-di-n-propylamine	0.964	0.977	0.050	1.3	
Nitrobenzene-d5	0.383	0.375		-2.1	
Hexachloroethane	0.550	0.572		4.0	
Nitrobenzene	0.374	0.361		-3.5	
Isophorone	0.611	0.607		-0.7	
2-Nitrophenol	0.186	0.196		5.4	20.0
2,4-Dimethylphenol	0.217	0.221		1.8	
bis(2-Chloroethoxy)methane	0.392	0.404		3.1	
2,4-Dichlorophenol	0.294	0.303		3.1	20.0
Naphthalene	1.041	1.050		0.9	
4-Chloroaniline	0.363	0.381		5.0	
Hexachlorobutadiene	0.192	0.196		2.1	20.0
Caprolactam	0.089	0.090		1.1	
4-Chloro-3-methylphenol	0.325	0.327		0.6	20.0
2-Methylnaphthalene	0.677	0.692		2.2	
Hexachlorocyclopentadiene	0.192	0.186	0.050	-3.1	
2,4,6-Trichlorophenol	0.374	0.378		1.1	20.0
2-Fluorobiphenyl	1.298	1.311		1.0	
2,4,5-Trichlorophenol	0.405	0.404		-0.2	
1,1-Biphenyl	1.551	1.592		2.6	
2-Chloronaphthalene	1.147	1.179		2.8	
2-Nitroaniline	0.385	0.371		-3.6	
Dimethylphthalate	1.358	1.404		3.4	
Acenaphthylene	1.705	1.716		0.6	
2,6-Dinitrotoluene	0.297	0.311		4.7	
3-Nitroaniline	0.319	0.316		-0.9	
Acenaphthene	1.147	1.148		0.1	20.0
2,4-Dinitrophenol	0.176	0.165	0.050	-6.3	
4-Nitrophenol	0.237	0.220	0.050	-7.2	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1422 SAS No.: Q1422 SDG No.: Q1422

Instrument ID: BNA_F Calibration Date/Time: 02/26/2025 10:45

Lab File ID: BF141775.D Init. Calib. Date(s): 02/06/2025 02/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:07 14:14

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.683	1.683		0.0	
2,4-Dinitrotoluene	0.395	0.392		-0.8	
Diethylphthalate	1.336	1.362		1.9	
4-Chlorophenyl-phenylether	0.626	0.660		5.4	
Fluorene	1.301	1.325		1.8	
4-Nitroaniline	0.324	0.308		-4.9	
4,6-Dinitro-2-methylphenol	0.139	0.138		-0.7	
n-Nitrosodiphenylamine	0.640	0.669		4.5	20.0
2,4,6-Tribromophenol	0.201	0.205		2.0	
4-Bromophenyl-phenylether	0.224	0.239		6.7	
Hexachlorobenzene	0.230	0.248		7.8	
Atrazine	0.192	0.176		-8.3	
Pentachlorophenol	0.147	0.154		4.8	20.0
Phenanthrene	1.101	1.138		3.4	
Anthracene	1.107	1.135		2.5	
Carbazole	0.996	0.991		-0.5	
Di-n-butylphthalate	1.150	1.240		7.8	
Fluoranthene	1.167	1.148		-1.6	20.0
Pyrene	1.703	1.867		9.6	
Terphenyl-d14	1.185	1.316		11.1	
Butylbenzylphthalate	0.590	0.688		16.6	
3,3-Dichlorobenzidine	0.381	0.427		12.1	
Benzo(a)anthracene	1.329	1.363		2.6	
Chrysene	1.228	1.285		4.6	
Bis(2-ethylhexyl)phthalate	0.665	0.883		32.8	
Di-n-octyl phthalate	0.949	1.339		41.1	20.0
Benzo(b)fluoranthene	1.343	1.304		-2.9	
Benzo(k)fluoranthene	1.147	1.152		0.4	
Benzo(a)pyrene	1.087	1.110		2.1	20.0
Indeno(1,2,3-cd)pyrene	1.236	1.406		13.8	
Dibenzo(a,h)anthracene	1.001	1.141		14.0	
Benzo(g,h,i)perylene	1.048	1.186		13.2	
1,2,4,5-Tetrachlorobenzene	0.579	0.600		3.6	
1,4-Dioxane	0.513	0.531		3.5	20.0
2,3,4,6-Tetrachlorophenol	0.349	0.345		-1.1	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022625\
Data File : BF141783.D
Acq On : 26 Feb 2025 15:29
Operator : RC/JU
Sample : Q1422-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-154-SB01

Quant Time: Feb 26 15:54:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

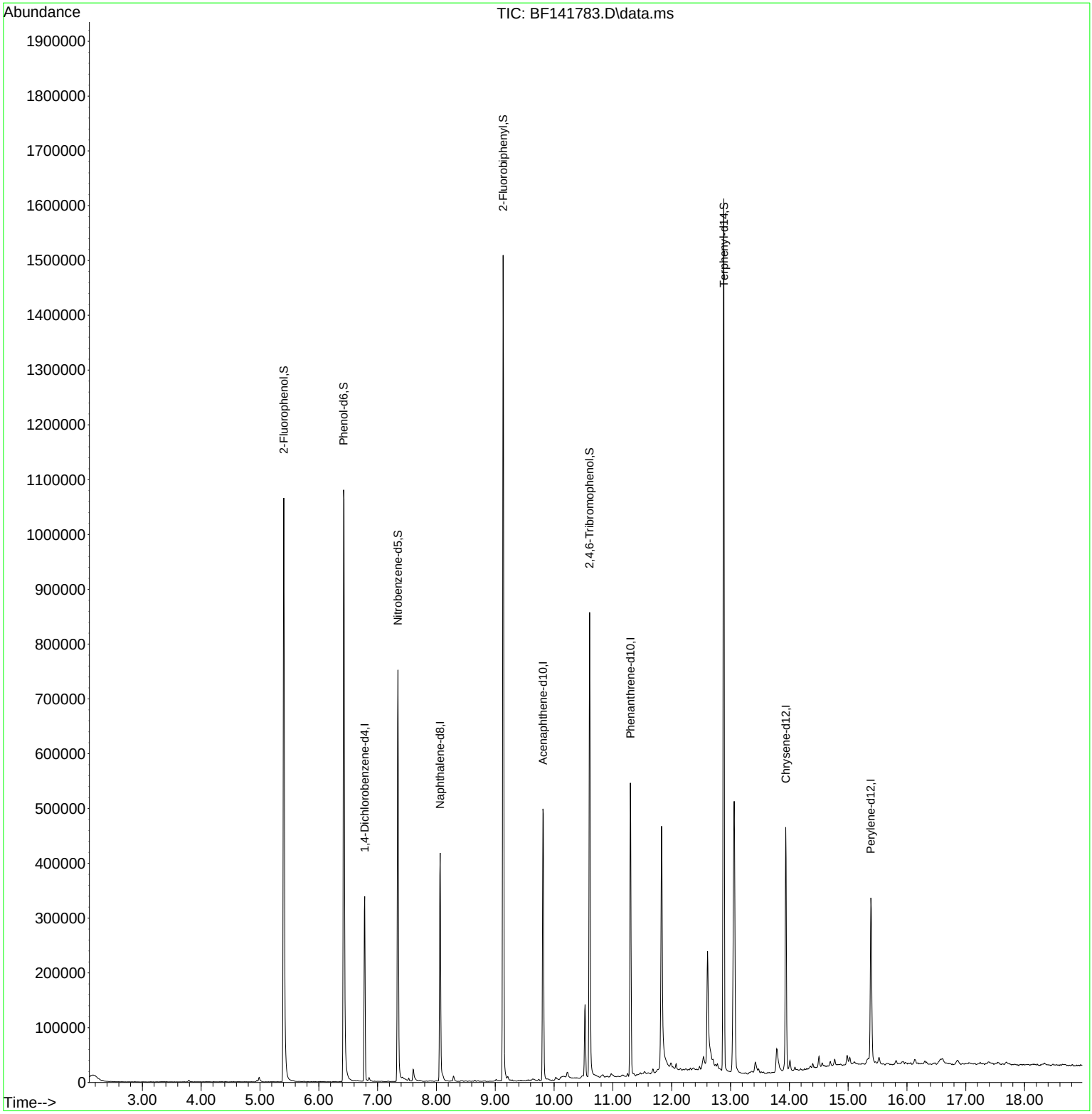
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	72268	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	292697	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	159017	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	283246	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	228691	20.000	ng	-0.02
86) Perylene-d12	15.386	264	192278	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	445168	96.572	ng	0.00
7) Phenol-d6	6.422	99	560982	96.285	ng	-0.02
23) Nitrobenzene-d5	7.345	82	350583	62.473	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	145952	91.369	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	672054	65.112	ng	-0.02
79) Terphenyl-d14	12.886	244	822259	60.698	ng	-0.02
Target Compounds						Qvalue

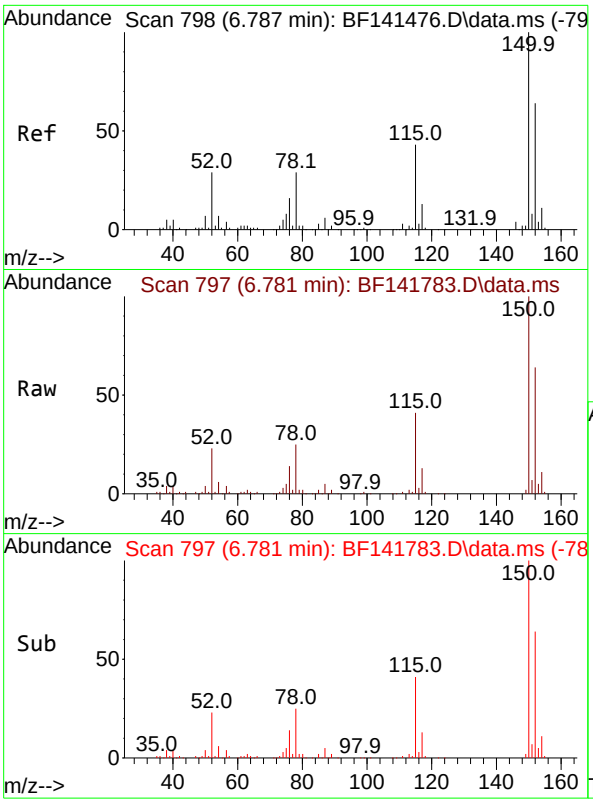
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022625\
Data File : BF141783.D
Acq On : 26 Feb 2025 15:29
Operator : RC/JU
Sample : Q1422-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-154-SB01

Quant Time: Feb 26 15:54:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration



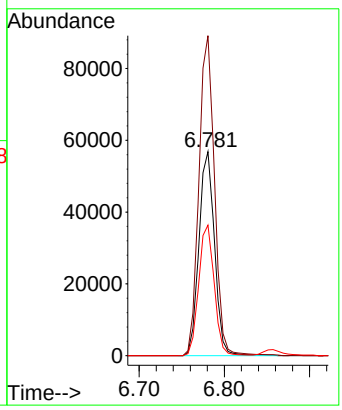


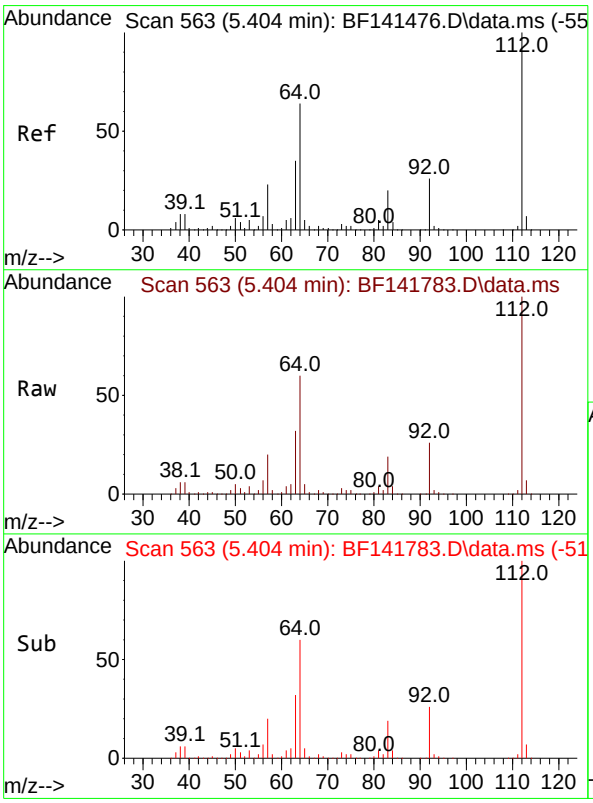
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141783.D
Acq: 26 Feb 2025 15:29

Instrument :
BNA_F
ClientSampleId :
B-154-SB01

Tgt Ion:152 Resp: 72268

Ion	Ratio	Lower	Upper
152	100		
150	156.9	125.0	187.4
115	64.0	53.6	80.4

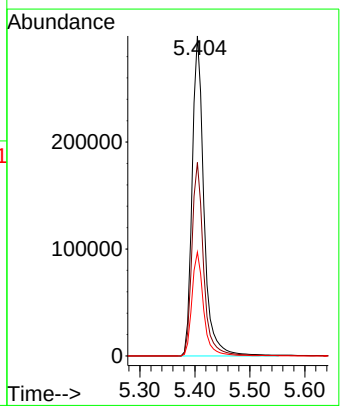


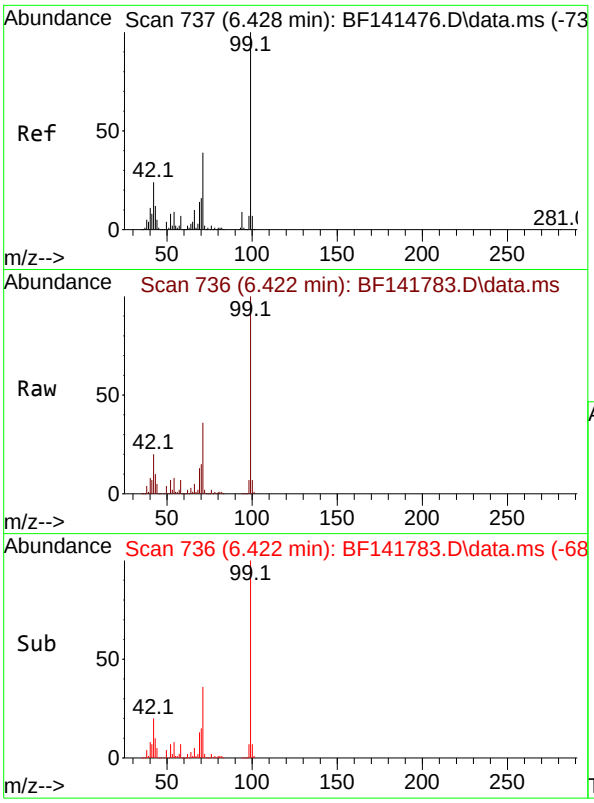


#5
2-Fluorophenol
Concen: 96.572 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141783.D
Acq: 26 Feb 2025 15:29

Tgt Ion:112 Resp: 445168

Ion	Ratio	Lower	Upper
112	100		
64	60.4	51.1	76.7
63	32.5	28.4	42.6



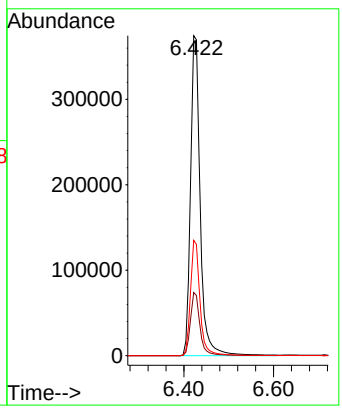


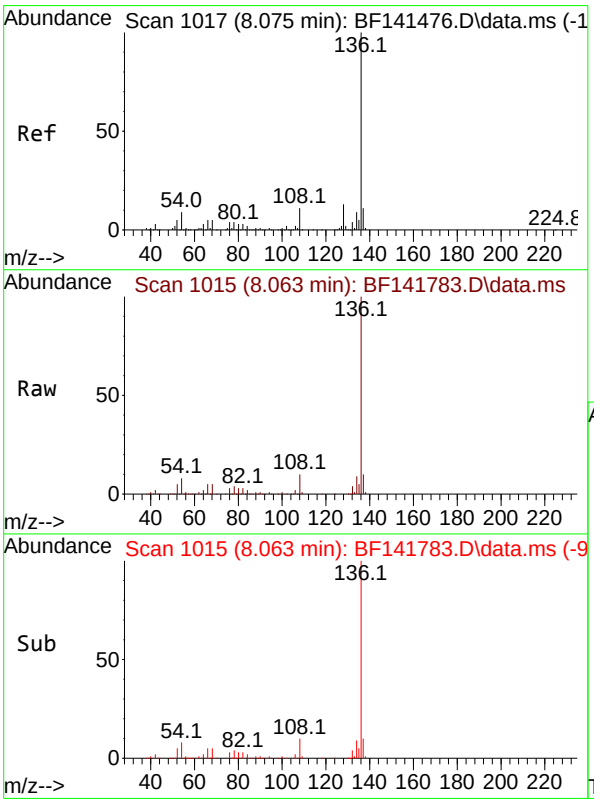
#7
Phenol-d6
Concen: 96.285 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141783.D
Acq: 26 Feb 2025 15:29

Instrument :
BNA_F
ClientSampleId :
B-154-SB01

Tgt Ion: 99 Resp: 560982

Ion	Ratio	Lower	Upper
99	100		
42	19.8	19.1	28.7
71	36.1	31.1	46.7

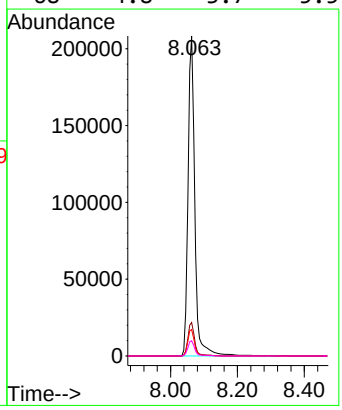


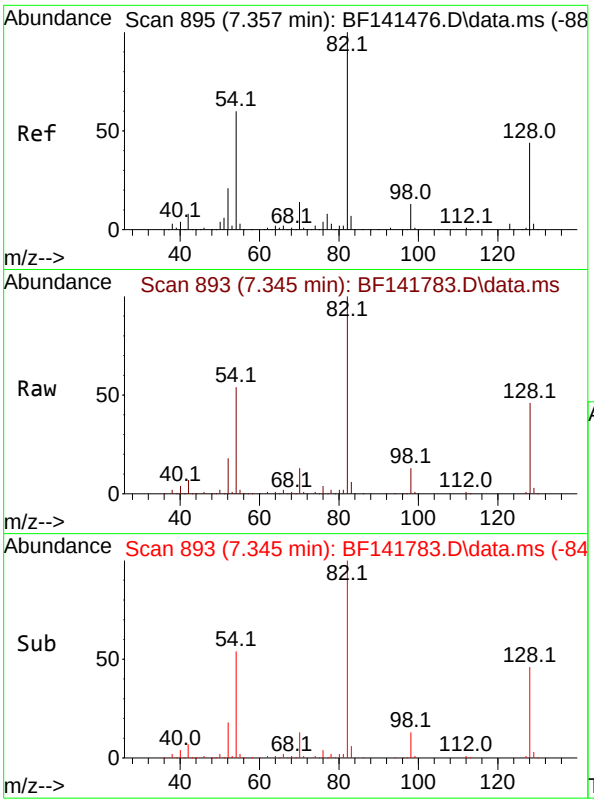


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141783.D
Acq: 26 Feb 2025 15:29

Tgt Ion:136 Resp: 292697

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	8.2	7.2	10.8
68	4.8	3.7	5.5



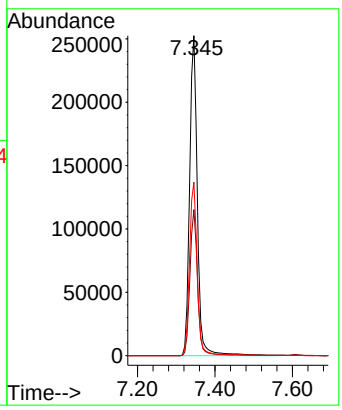


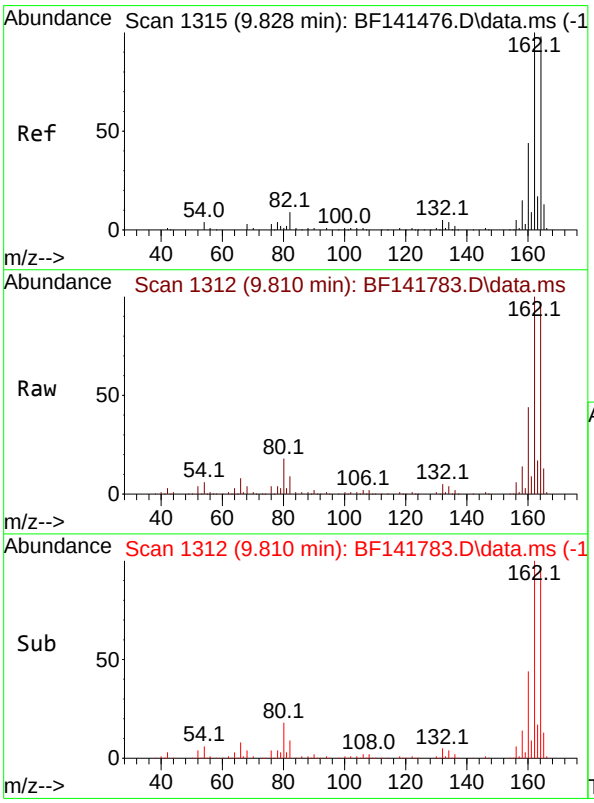
#23
Nitrobenzene-d5
Concen: 62.473 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141783.D
Acq: 26 Feb 2025 15:29

Instrument :
BNA_F
ClientSampleId :
B-154-SB01

Tgt Ion: 82 Resp: 350583

Ion	Ratio	Lower	Upper
82	100		
128	45.7	34.8	52.2
54	54.2	48.2	72.4

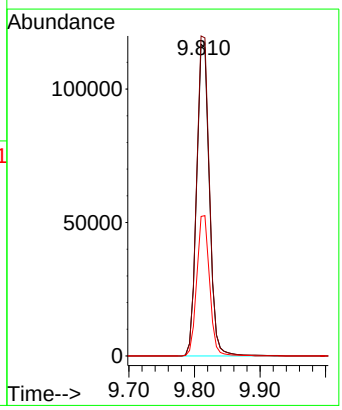


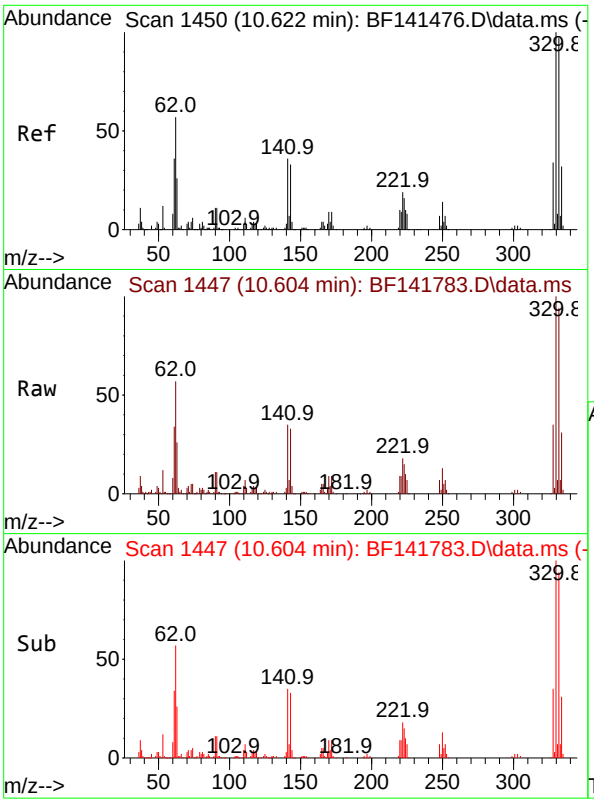


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.023 min
Lab File: BF141783.D
Acq: 26 Feb 2025 15:29

Tgt Ion:164 Resp: 159017

Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.3	121.9
160	44.8	35.9	53.9



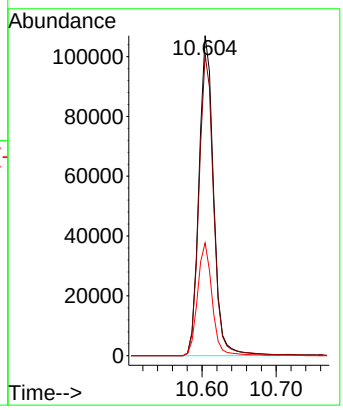


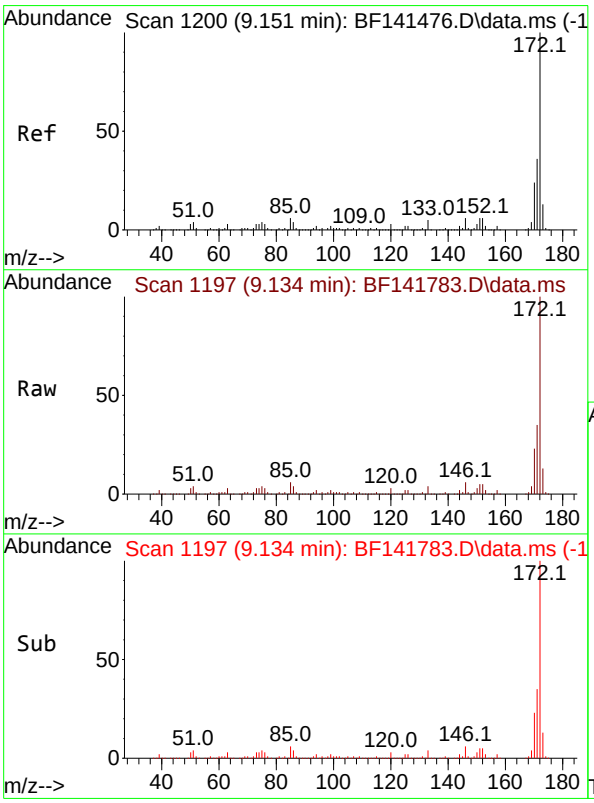
#42
2,4,6-Tribromophenol
Concen: 91.369 ng
RT: 10.604 min Scan# 14
Delta R.T. -0.023 min
Lab File: BF141783.D
Acq: 26 Feb 2025 15:29

Instrument :
BNA_F
ClientSampleId :
B-154-SB01

Tgt Ion:330 Resp: 145952

Ion	Ratio	Lower	Upper
330	100		
332	95.3	78.5	117.7
141	35.3	31.0	46.4

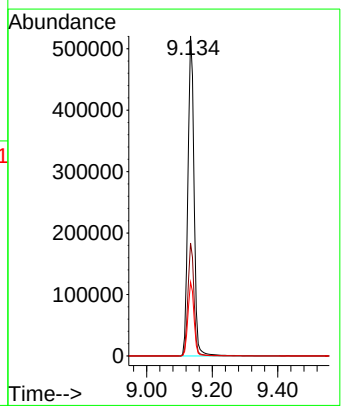


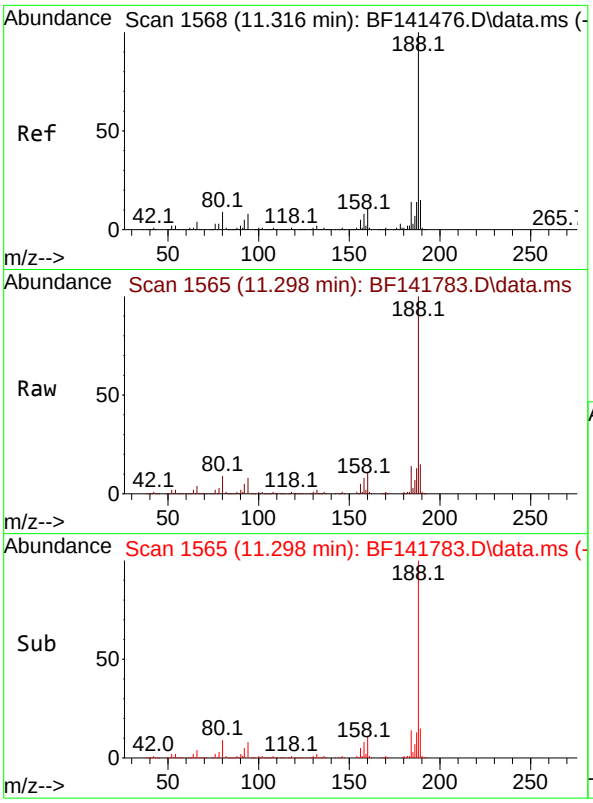


#45
2-Fluorobiphenyl
Concen: 65.112 ng
RT: 9.134 min Scan# 1197
Delta R.T. -0.017 min
Lab File: BF141783.D
Acq: 26 Feb 2025 15:29

Tgt Ion:172 Resp: 672054

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.7	43.1
170	23.0	18.9	28.3



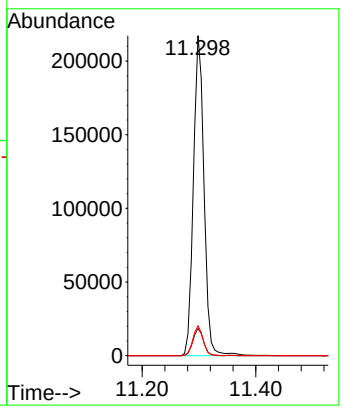


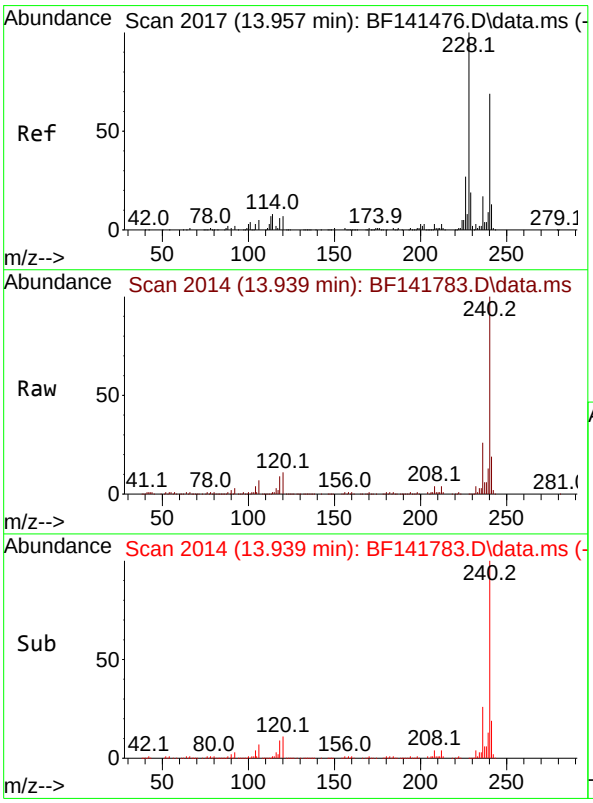
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141783.D
Acq: 26 Feb 2025 15:29

Instrument :
BNA_F
ClientSampleId :
B-154-SB01

Tgt Ion:188 Resp: 283246

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.4	7.3	10.9

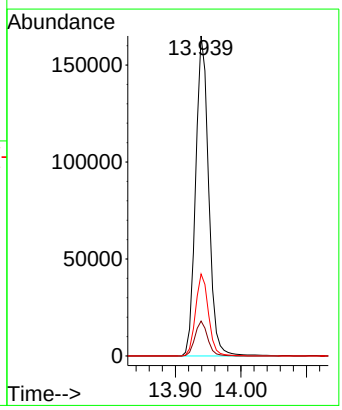


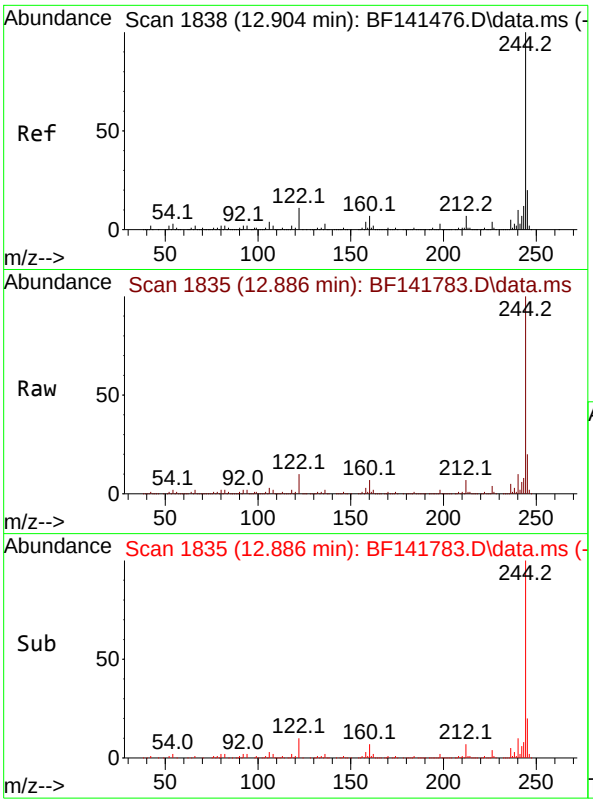


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141783.D
Acq: 26 Feb 2025 15:29

Tgt Ion:240 Resp: 228691

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.0	12.0
236	25.6	19.8	29.8



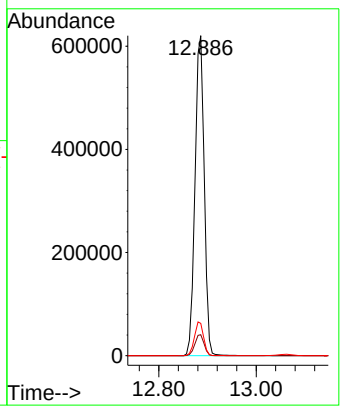


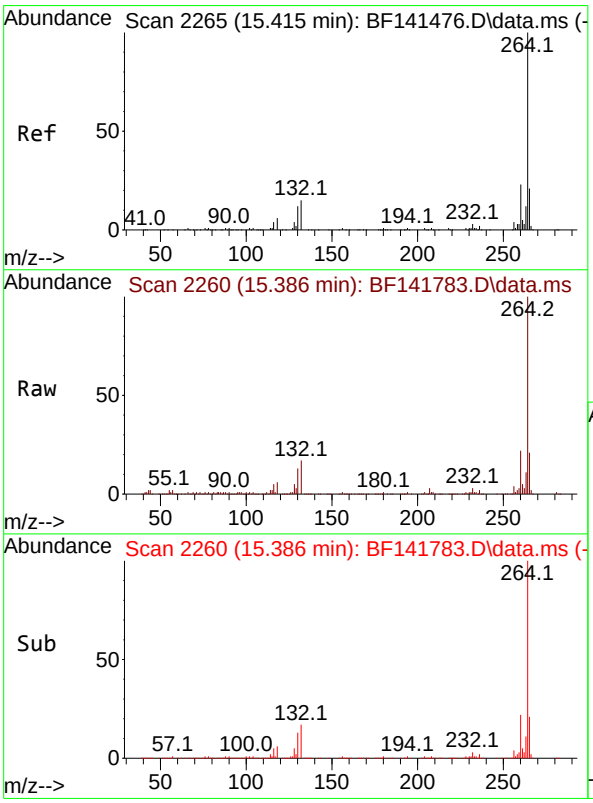
#79
Terphenyl-d14
Concen: 60.698 ng
RT: 12.886 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141783.D
Acq: 26 Feb 2025 15:29

Instrument :
BNA_F
ClientSampleId :
B-154-SB01

Tgt Ion:244 Resp: 822259

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	10.1	8.4	12.6

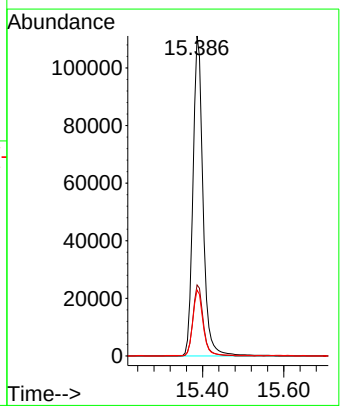




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.386 min Scan# 2260
Delta R.T. -0.029 min
Lab File: BF141783.D
Acq: 26 Feb 2025 15:29

Tgt Ion:264 Resp: 192278

Ion	Ratio	Lower	Upper
264	100		
260	22.2	18.6	28.0
265	20.6	17.0	25.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022625\
Data File : BF141786.D
Acq On : 26 Feb 2025 16:57
Operator : RC/JU
Sample : Q1422-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-154-SB02

Quant Time: Feb 26 17:24:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

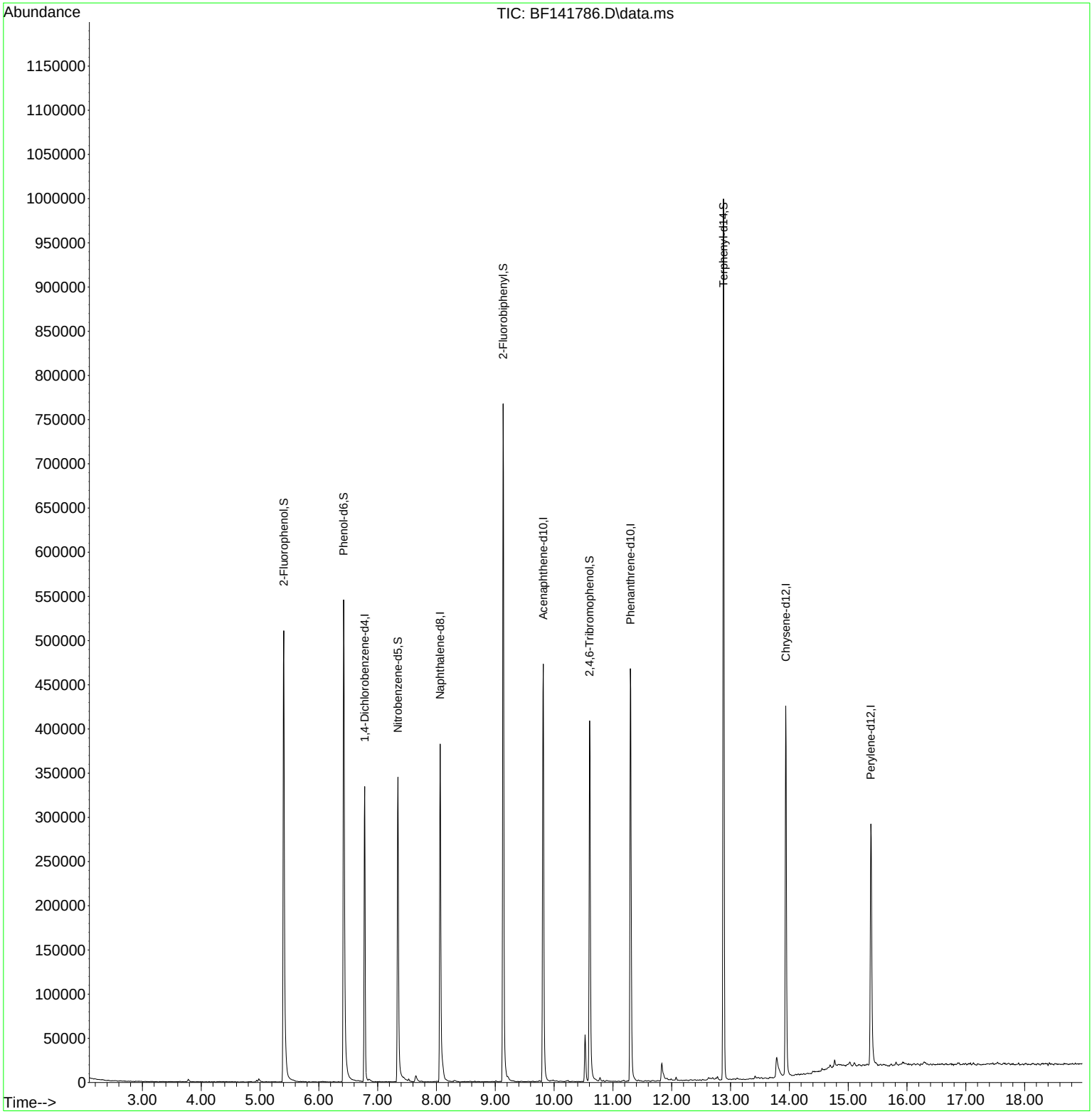
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	73149	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	294675	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	161129	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	287751	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	231209	20.000	ng	-0.02
86) Perylene-d12	15.386	264	186877	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	245073	52.525	ng	0.00
7) Phenol-d6	6.422	99	317704	53.873	ng	-0.02
23) Nitrobenzene-d5	7.345	82	183695	32.514	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	79551	49.148	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	383147	36.635	ng	-0.02
79) Terphenyl-d14	12.880	244	502162	36.665	ng	-0.02
Target Compounds						Qvalue

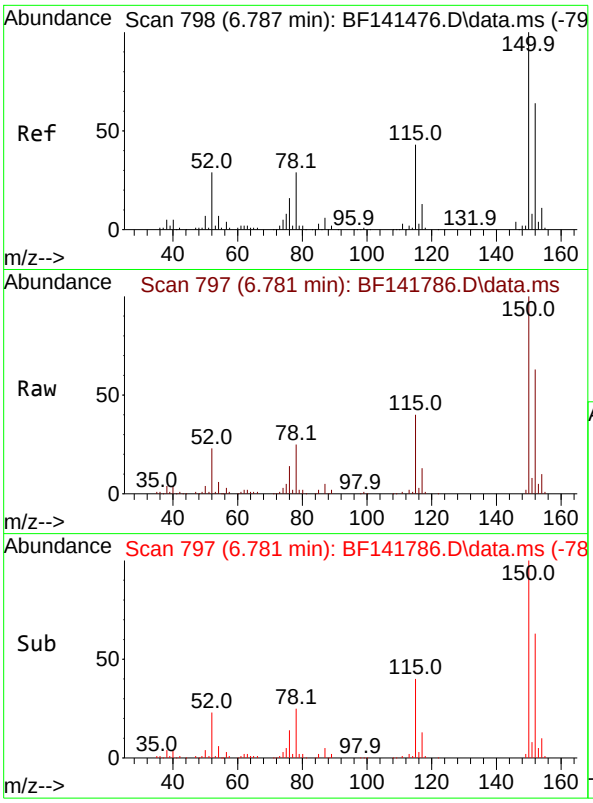
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022625\
Data File : BF141786.D
Acq On : 26 Feb 2025 16:57
Operator : RC/JU
Sample : Q1422-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-154-SB02

Quant Time: Feb 26 17:24:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration



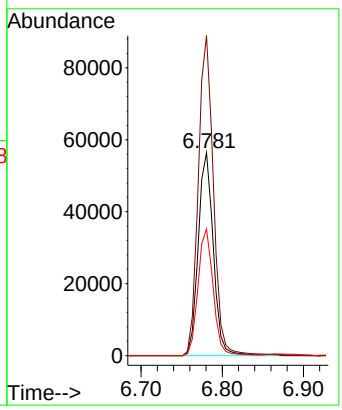


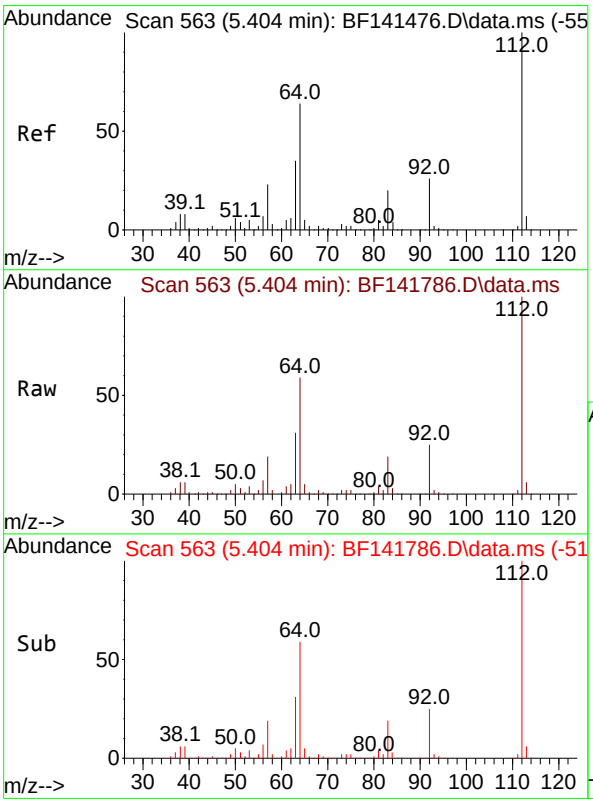
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141786.D
Acq: 26 Feb 2025 16:57

Instrument :
BNA_F
ClientSampleId :
B-154-SB02

Tgt Ion:152 Resp: 73149

Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.0	187.4
115	62.4	53.6	80.4

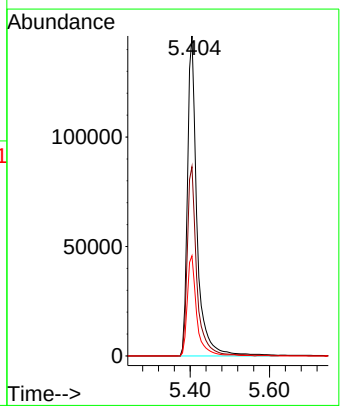


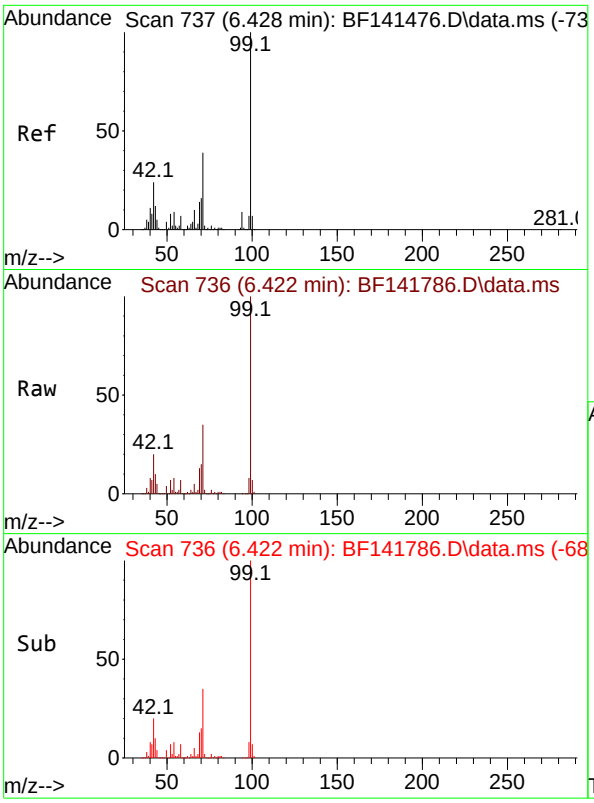


#5
2-Fluorophenol
Concen: 52.525 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141786.D
Acq: 26 Feb 2025 16:57

Tgt Ion:112 Resp: 245073

Ion	Ratio	Lower	Upper
112	100		
64	59.1	51.1	76.7
63	31.3	28.4	42.6



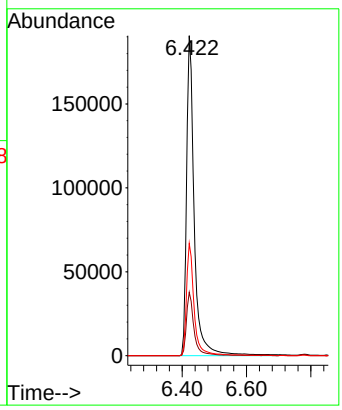


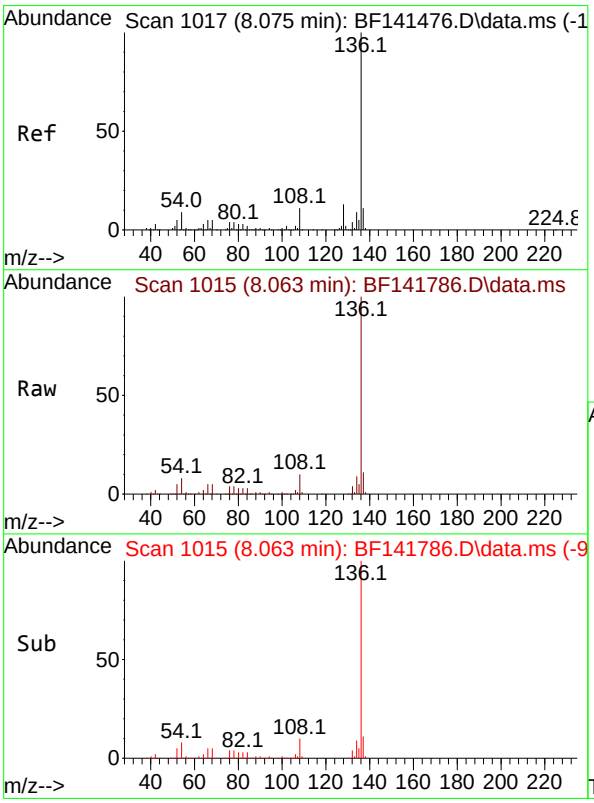
#7
Phenol-d6
Concen: 53.873 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141786.D
Acq: 26 Feb 2025 16:57

Instrument :
BNA_F
ClientSampleId :
B-154-SB02

Tgt Ion: 99 Resp: 317704

Ion	Ratio	Lower	Upper
99	100		
42	19.8	19.1	28.7
71	35.1	31.1	46.7

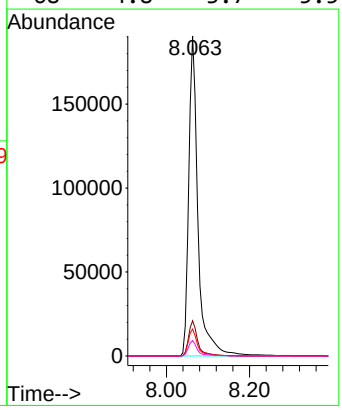


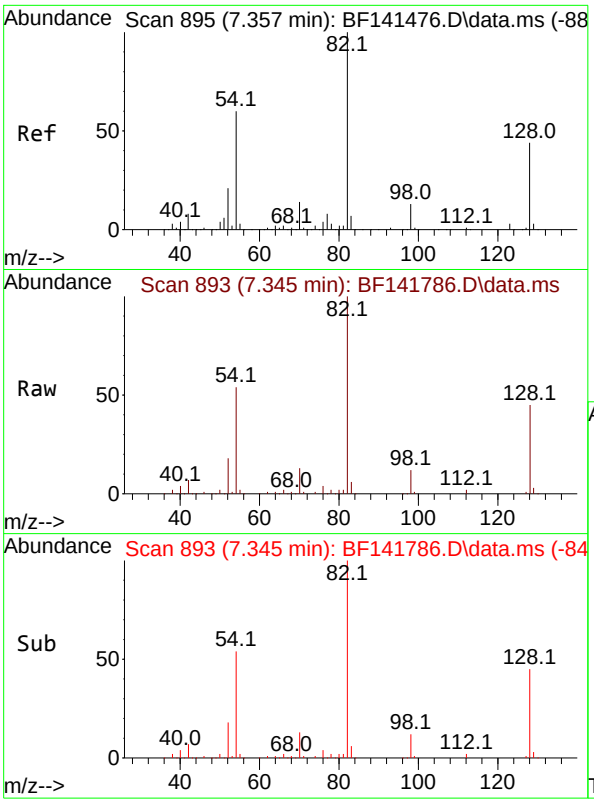


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141786.D
Acq: 26 Feb 2025 16:57

Tgt Ion:136 Resp: 294675

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.4	7.2	10.8
68	4.8	3.7	5.5



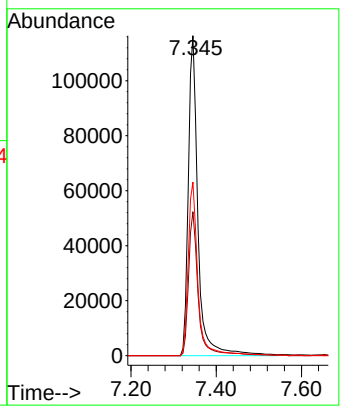


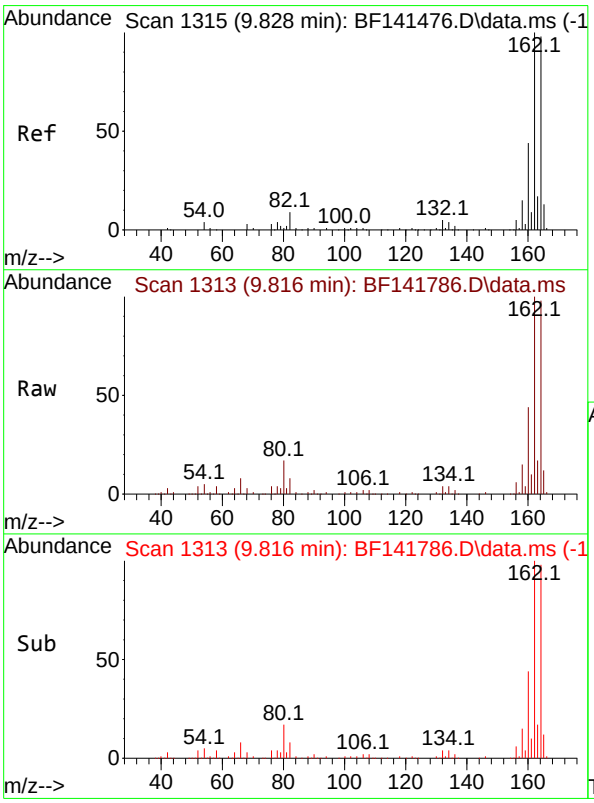
#23
Nitrobenzene-d5
Concen: 32.514 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141786.D
Acq: 26 Feb 2025 16:57

Instrument :
BNA_F
ClientSampleId :
B-154-SB02

Tgt Ion: 82 Resp: 183695

Ion	Ratio	Lower	Upper
82	100		
128	45.0	34.8	52.2
54	54.2	48.2	72.4

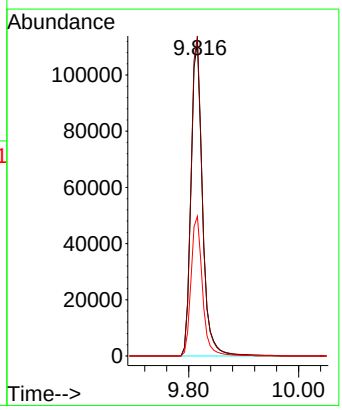


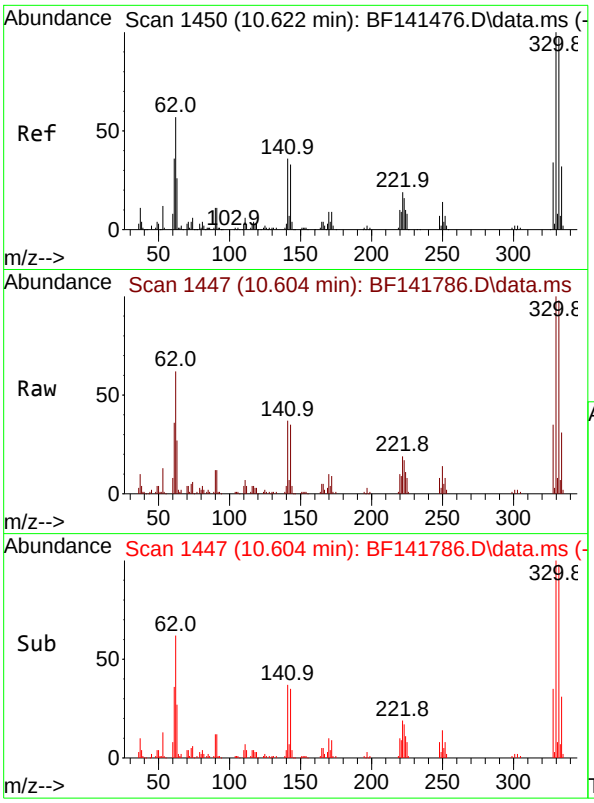


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1313
Delta R.T. -0.018 min
Lab File: BF141786.D
Acq: 26 Feb 2025 16:57

Tgt Ion:164 Resp: 161129

Ion	Ratio	Lower	Upper
164	100		
162	102.0	81.3	121.9
160	44.6	35.9	53.9



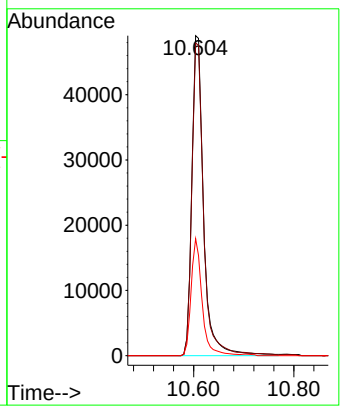


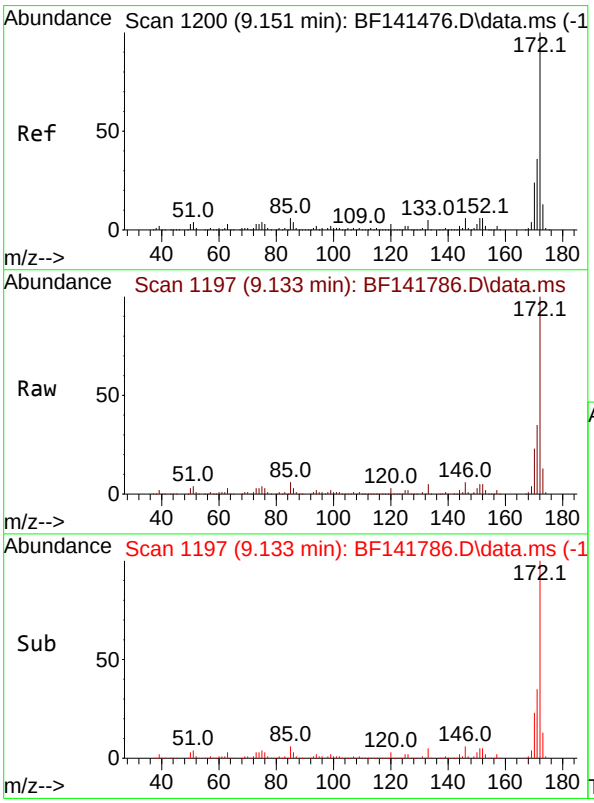
#42
2,4,6-Tribromophenol
Concen: 49.148 ng
RT: 10.604 min Scan# 14
Delta R.T. -0.023 min
Lab File: BF141786.D
Acq: 26 Feb 2025 16:57

Instrument :
BNA_F
ClientSampleId :
B-154-SB02

Tgt Ion:330 Resp: 79551

Ion	Ratio	Lower	Upper
330	100		
332	97.9	78.5	117.7
141	34.4	31.0	46.4

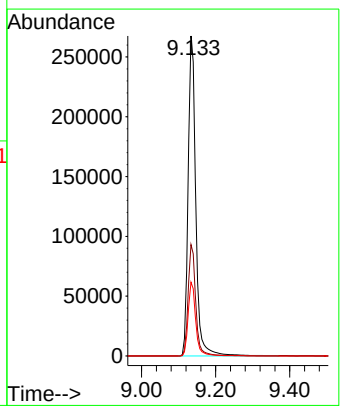


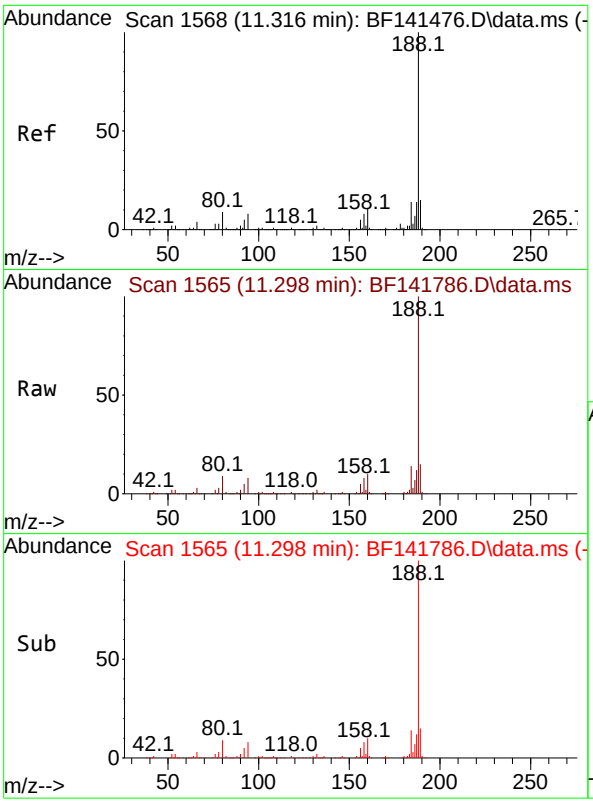


#45
2-Fluorobiphenyl
Concen: 36.635 ng
RT: 9.133 min Scan# 1197
Delta R.T. -0.018 min
Lab File: BF141786.D
Acq: 26 Feb 2025 16:57

Tgt Ion:172 Resp: 383147

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.7	43.1
170	23.0	18.9	28.3



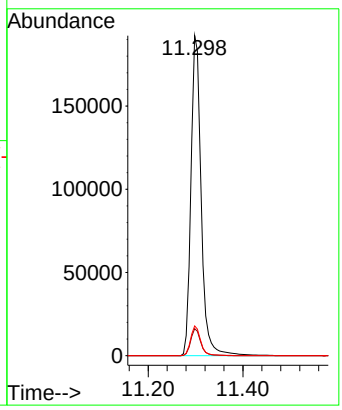


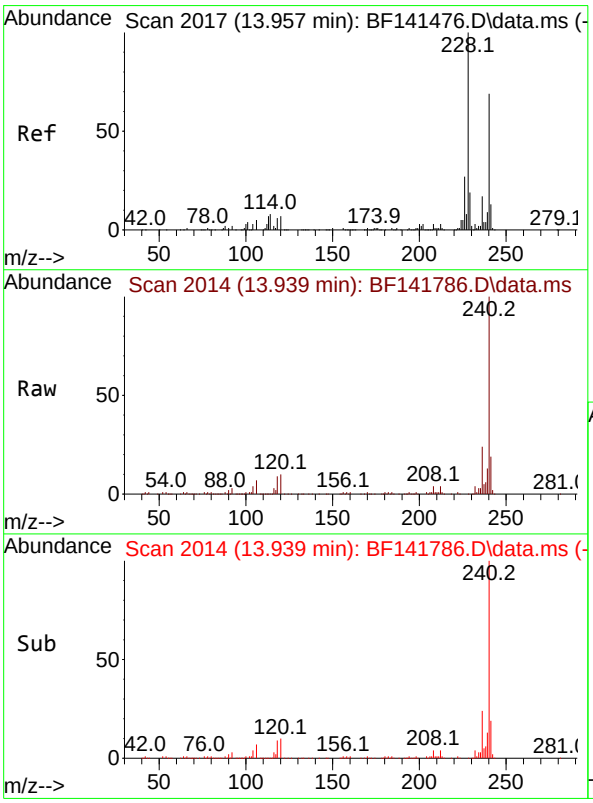
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141786.D
Acq: 26 Feb 2025 16:57

Instrument :
BNA_F
ClientSampleId :
B-154-SB02

Tgt Ion:188 Resp: 287751

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	9.3	7.3	10.9

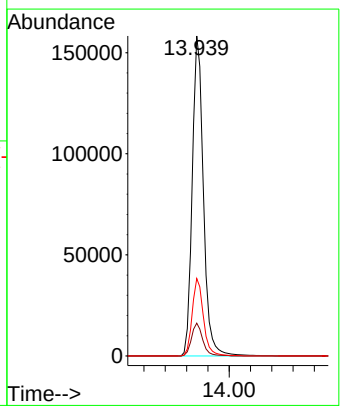


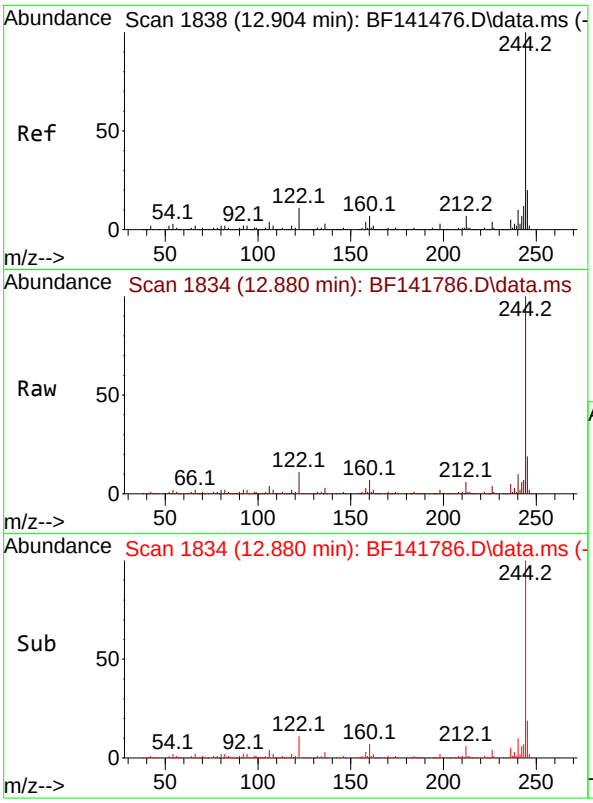


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141786.D
Acq: 26 Feb 2025 16:57

Tgt Ion:240 Resp: 231209

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.0	12.0
236	24.2	19.8	29.8



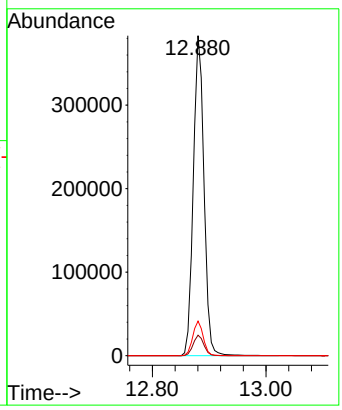


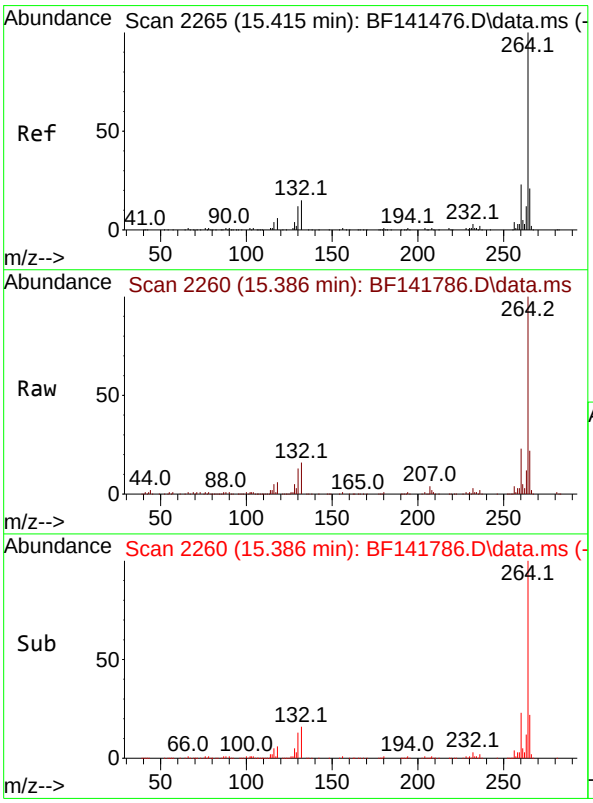
#79
Terphenyl-d14
Concen: 36.665 ng
RT: 12.880 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141786.D
Acq: 26 Feb 2025 16:57

Instrument :
BNA_F
ClientSampleId :
B-154-SB02

Tgt Ion:244 Resp: 502162

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.6	8.4
122	10.8	8.4	12.6

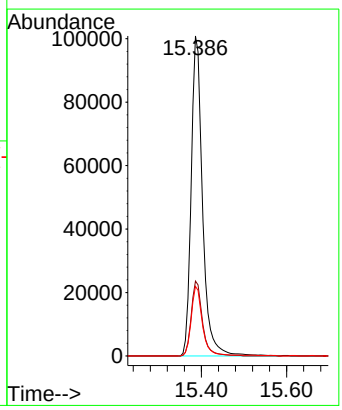




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.386 min Scan# 2260
Delta R.T. -0.029 min
Lab File: BF141786.D
Acq: 26 Feb 2025 16:57

Tgt Ion:264 Resp: 186877

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	28.0
265	21.7	17.0	25.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022625\
Data File : BF141778.D
Acq On : 26 Feb 2025 12:56
Operator : RC/JU
Sample : PB166870BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166870BL

Quant Time: Feb 26 13:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

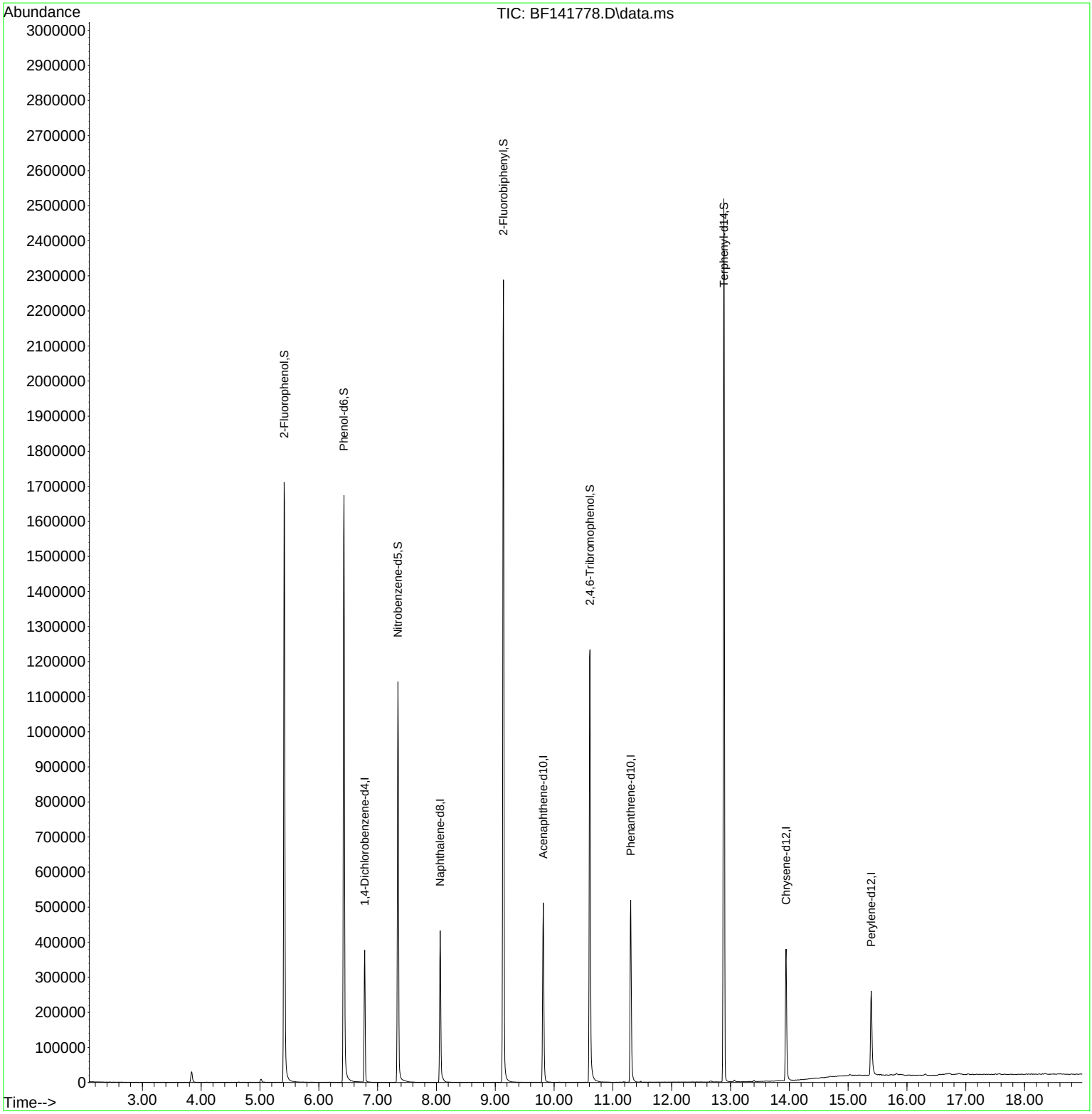
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	79623	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	323428	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	175903	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	313562	20.000	ng	-0.01
76) Chrysene-d12	13.945	240	221568	20.000	ng	-0.02
86) Perylene-d12	15.392	264	172653	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	699238	137.677	ng	0.00
7) Phenol-d6	6.428	99	853735	132.997	ng	-0.01
23) Nitrobenzene-d5	7.345	82	552914	89.167	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	237817	134.586	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	1100653	96.400	ng	-0.01
79) Terphenyl-d14	12.886	244	1310564	99.855	ng	-0.02
Target Compounds						Qvalue

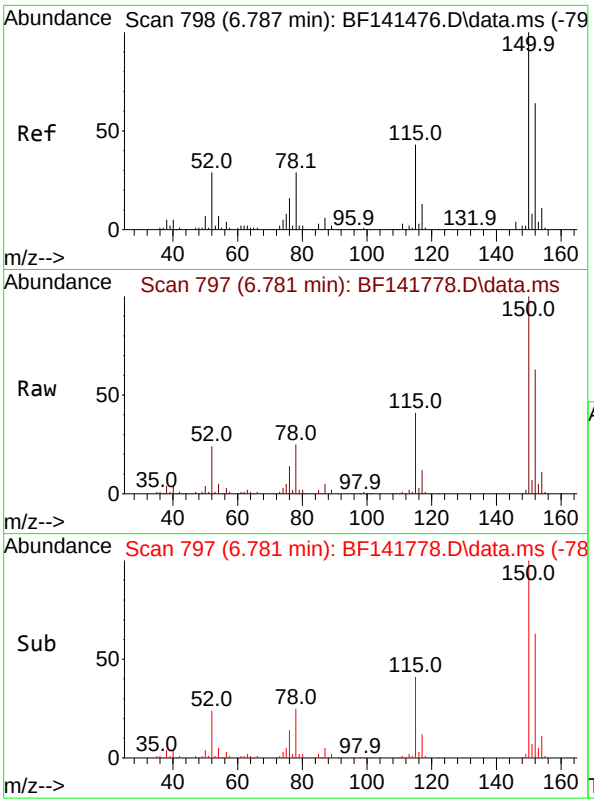
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022625\
Data File : BF141778.D
Acq On : 26 Feb 2025 12:56
Operator : RC/JU
Sample : PB166870BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166870BL

Quant Time: Feb 26 13:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration



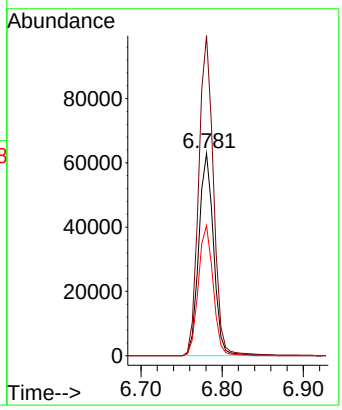


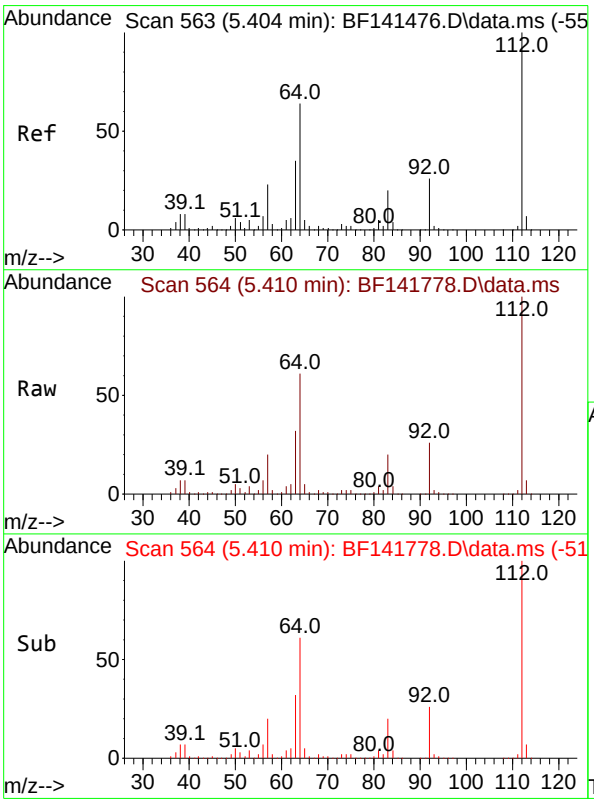
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141778.D
Acq: 26 Feb 2025 12:56

Instrument :
BNA_F
ClientSampleId :
PB166870BL

Tgt Ion:152 Resp: 79623

Ion	Ratio	Lower	Upper
152	100		
150	158.1	125.0	187.4
115	64.3	53.6	80.4

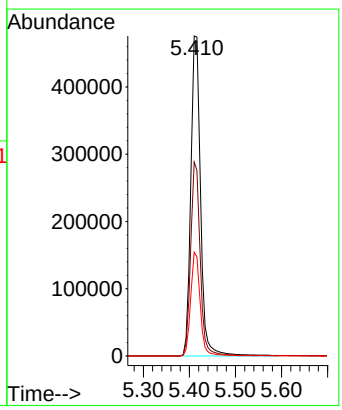


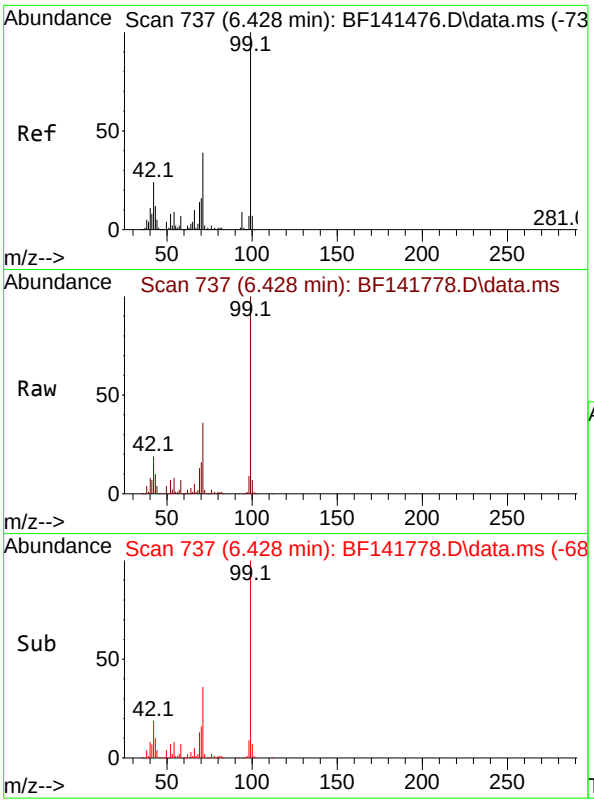


#5
2-Fluorophenol
Concen: 137.677 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141778.D
Acq: 26 Feb 2025 12:56

Tgt Ion:112 Resp: 699238

Ion	Ratio	Lower	Upper
112	100		
64	60.6	51.1	76.7
63	32.4	28.4	42.6



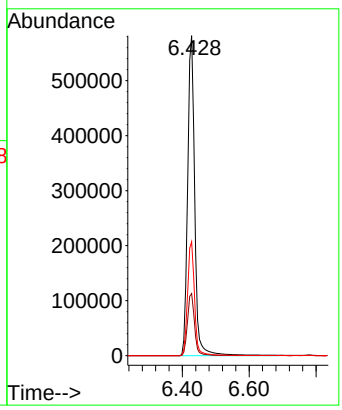


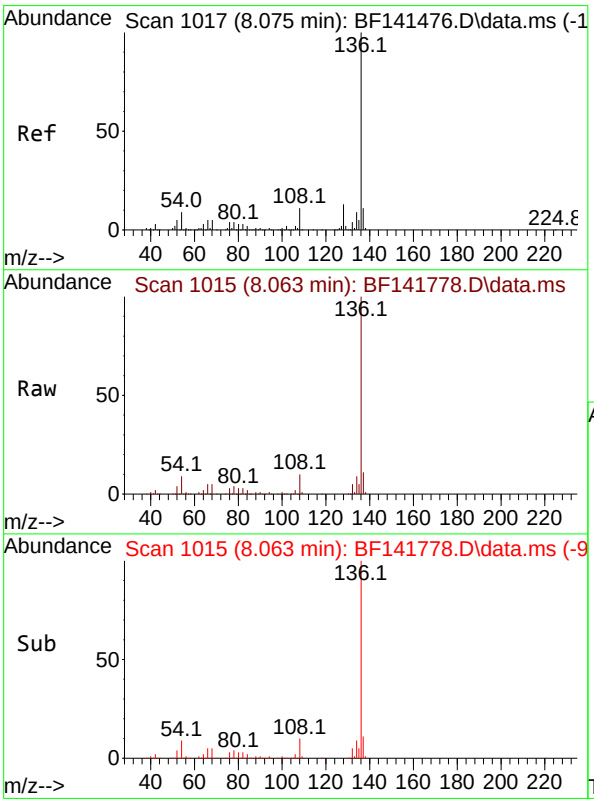
#7
Phenol-d6
Concen: 132.997 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141778.D
Acq: 26 Feb 2025 12:56

Instrument :
BNA_F
ClientSampleId :
PB166870BL

Tgt Ion: 99 Resp: 853735

Ion	Ratio	Lower	Upper
99	100		
42	19.4	19.1	28.7
71	35.6	31.1	46.7

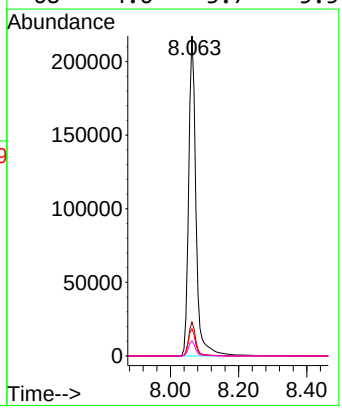


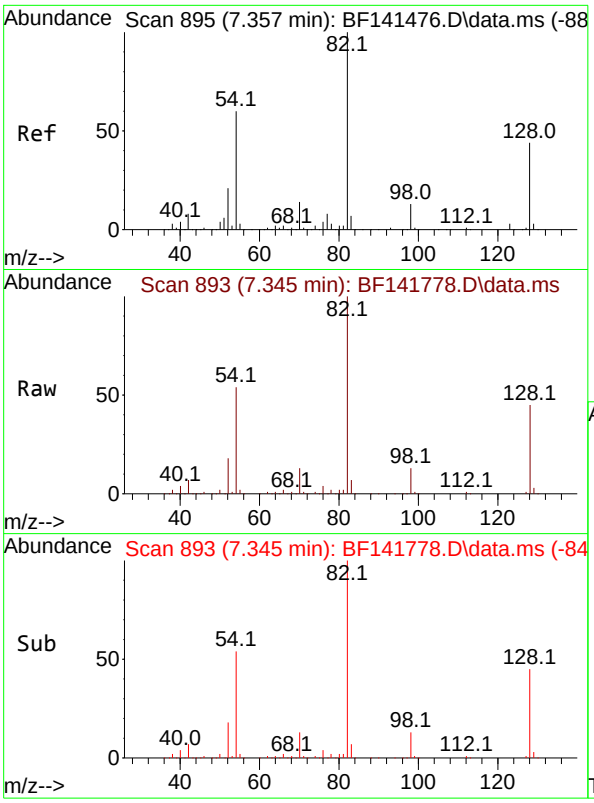


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141778.D
Acq: 26 Feb 2025 12:56

Tgt Ion:136 Resp: 323428

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	8.5	7.2	10.8
68	4.6	3.7	5.5



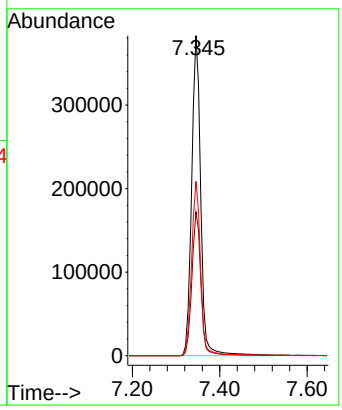


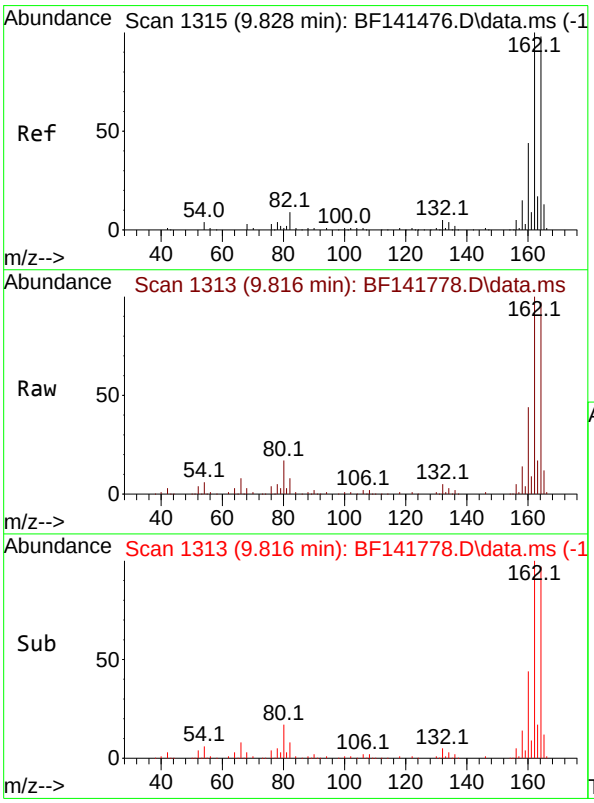
#23
Nitrobenzene-d5
Concen: 89.167 ng
RT: 7.345 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF141778.D
Acq: 26 Feb 2025 12:56

Instrument :
BNA_F
ClientSampleId :
PB166870BL

Tgt Ion: 82 Resp: 552914

Ion	Ratio	Lower	Upper
82	100		
128	45.0	34.8	52.2
54	54.5	48.2	72.4

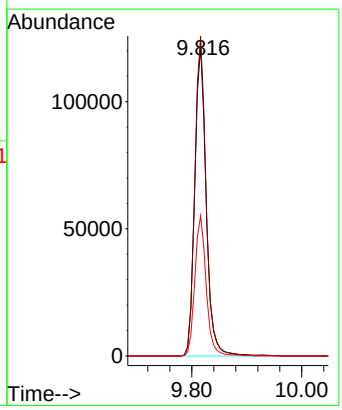


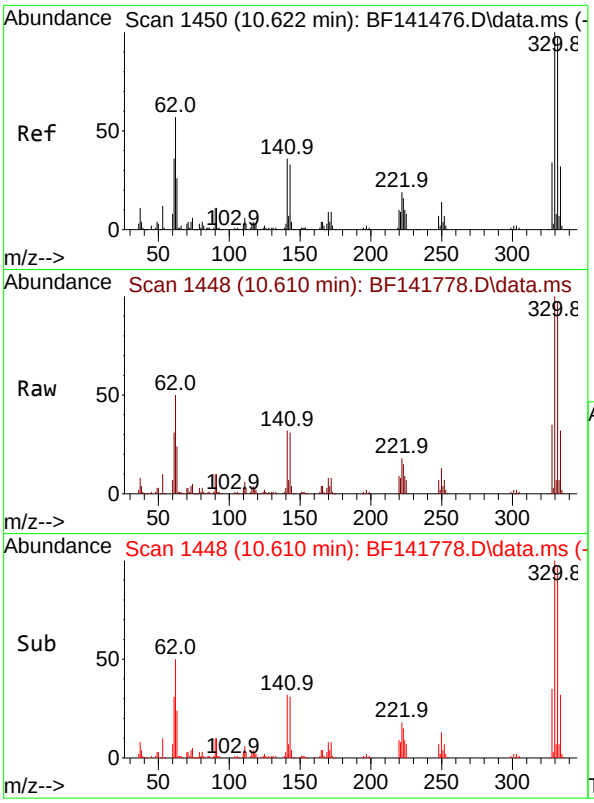


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1313
Delta R.T. -0.017 min
Lab File: BF141778.D
Acq: 26 Feb 2025 12:56

Tgt Ion:164 Resp: 175903

Ion	Ratio	Lower	Upper
164	100		
162	103.4	81.3	121.9
160	45.3	35.9	53.9



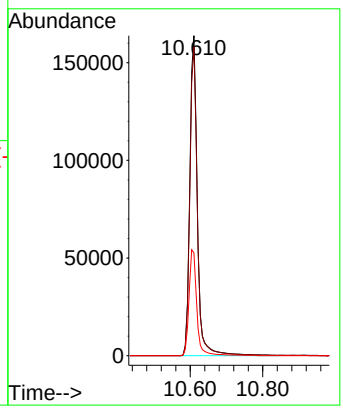


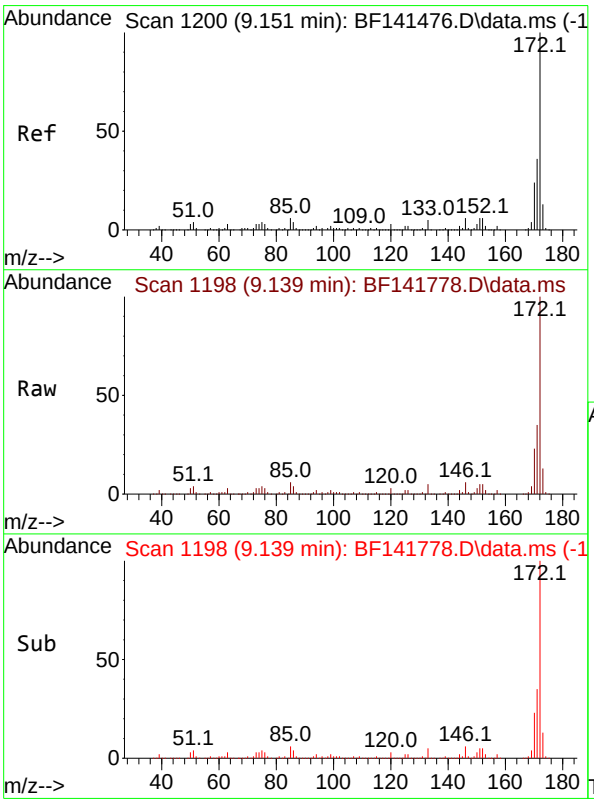
#42
2,4,6-Tribromophenol
Concen: 134.586 ng
RT: 10.610 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF141778.D
Acq: 26 Feb 2025 12:56

Instrument :
BNA_F
ClientSampleId :
PB166870BL

Tgt Ion:330 Resp: 237817

Ion	Ratio	Lower	Upper
330	100		
332	96.2	78.5	117.7
141	34.2	31.0	46.4

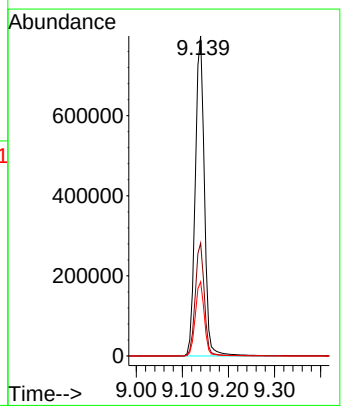


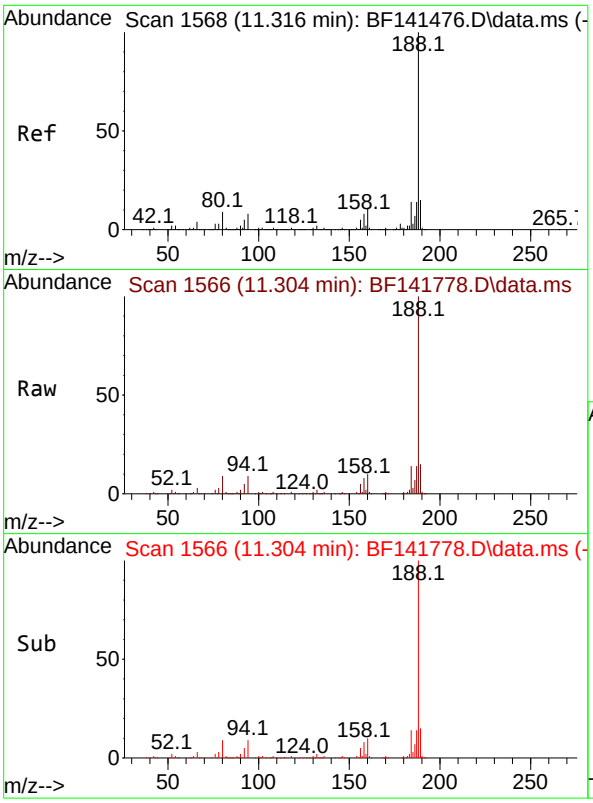


#45
2-Fluorobiphenyl
Concen: 96.400 ng
RT: 9.139 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF141778.D
Acq: 26 Feb 2025 12:56

Tgt Ion:172 Resp: 1100653

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.7	43.1
170	23.2	18.9	28.3



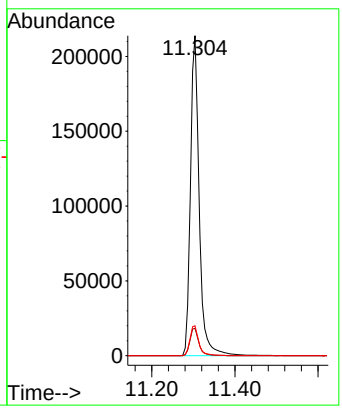


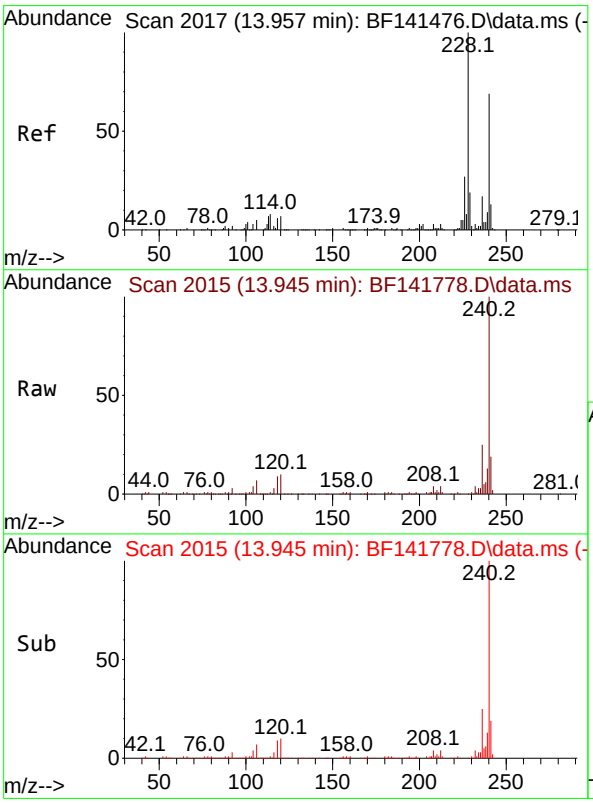
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141778.D
Acq: 26 Feb 2025 12:56

Instrument :
BNA_F
ClientSampleId :
PB166870BL

Tgt Ion:188 Resp: 313562

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.6	10.0
80	9.3	7.3	10.9

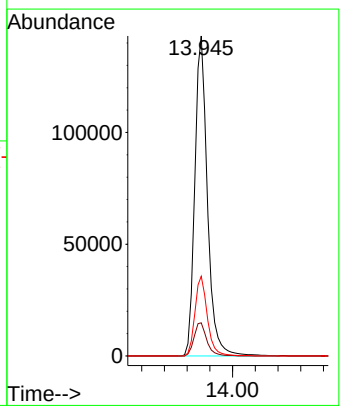


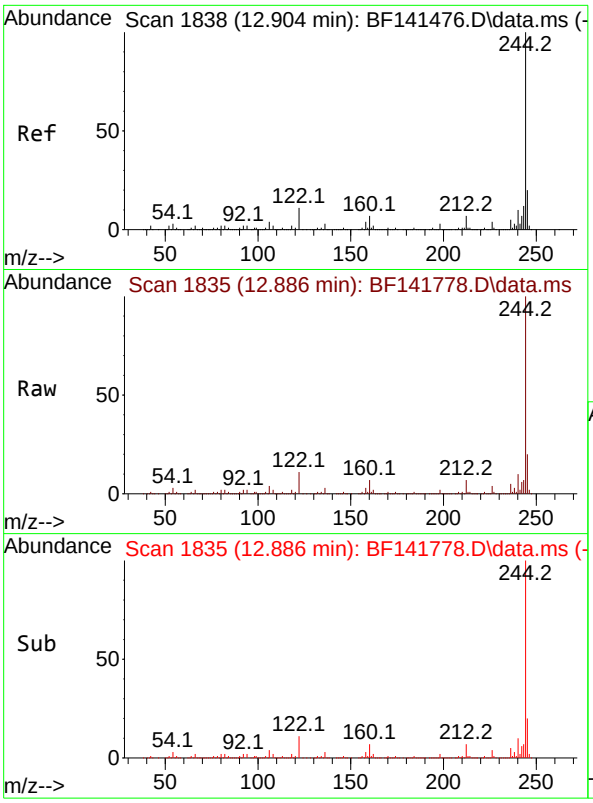


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.018 min
Lab File: BF141778.D
Acq: 26 Feb 2025 12:56

Tgt Ion:240 Resp: 221568

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.0	12.0
236	24.9	19.8	29.8



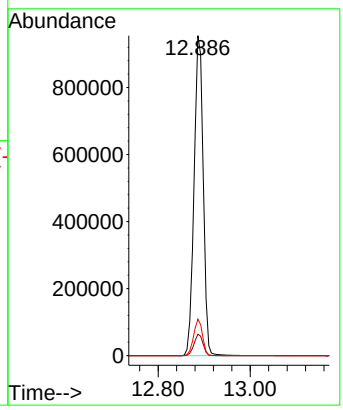


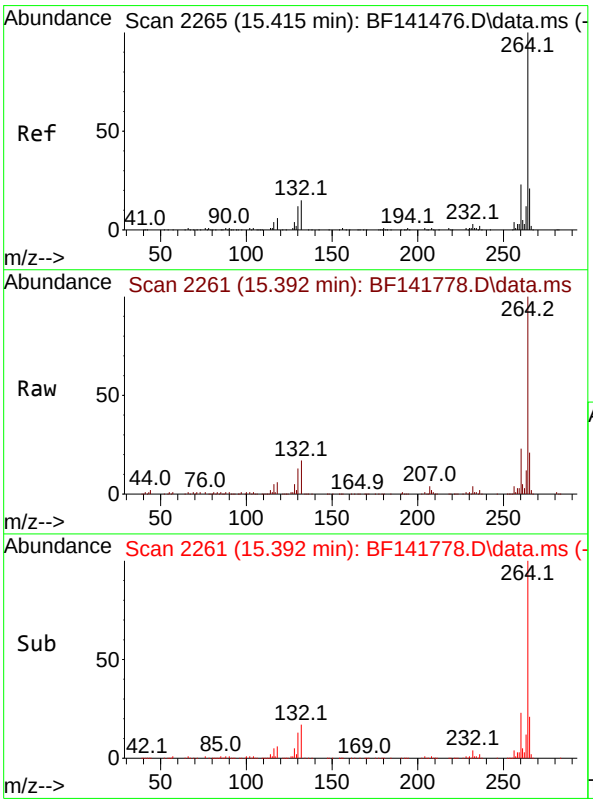
#79
Terphenyl-d14
Concen: 99.855 ng
RT: 12.886 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141778.D
Acq: 26 Feb 2025 12:56

Instrument :
BNA_F
ClientSampleId :
PB166870BL

Tgt Ion:244 Resp: 1310564

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	11.4	8.4	12.6

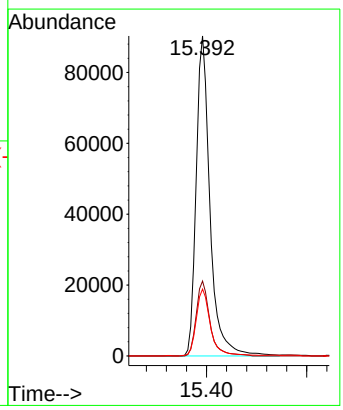




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.392 min Scan# 2261
Delta R.T. -0.023 min
Lab File: BF141778.D
Acq: 26 Feb 2025 12:56

Tgt Ion:264 Resp: 172653

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	28.0
265	20.9	17.0	25.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022625\
Data File : BF141779.D
Acq On : 26 Feb 2025 13:26
Operator : RC/JU
Sample : PB166870BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166870BS

Quant Time: Feb 26 13:46:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.781	152	85071	20.000	ng		-0.01
21) Naphthalene-d8	8.063	136	333608	20.000	ng		-0.01
39) Acenaphthene-d10	9.816	164	184169	20.000	ng		-0.02
64) Phenanthrene-d10	11.304	188	318764	20.000	ng		-0.01
76) Chrysene-d12	13.945	240	204697	20.000	ng		-0.02
86) Perylene-d12	15.386	264	183683	20.000	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.416	112	684005	126.053	ng		0.00
7) Phenol-d6	6.428	99	817951	119.262	ng		-0.01
23) Nitrobenzene-d5	7.351	82	538922	84.258	ng		-0.01
42) 2,4,6-Tribromophenol	10.610	330	244277	132.037	ng		-0.02
45) 2-Fluorobiphenyl	9.139	172	1059860	88.661	ng		-0.01
79) Terphenyl-d14	12.886	244	1239656	102.237	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	2.563	88	84303	38.601	ng		94
3) Pyridine	3.299	79	197322	37.968	ng		91
4) n-Nitrosodimethylamine	3.246	42	115743	33.634	ng		86
6) Aniline	6.445	93	198673	30.881	ng	#	69
8) 2-Chlorophenol	6.575	128	247114	42.145	ng		97
9) Benzaldehyde	6.334	77	96347	26.436	ng		99
10) Phenol	6.445	94	287440	40.267	ng		95
11) bis(2-Chloroethyl)ether	6.516	93	224021	41.782	ng		99
12) 1,3-Dichlorobenzene	6.722	146	258935	41.831	ng		97
13) 1,4-Dichlorobenzene	6.798	146	262689	41.535	ng		98
14) 1,2-Dichlorobenzene	6.951	146	253149	43.127	ng		98
15) Benzyl Alcohol	6.934	79	209030	39.744	ng		95
16) 2,2'-oxybis(1-Chloropr...	7.057	45	336953	36.713	ng		62
17) 2-Methylphenol	7.051	107	189779	41.360	ng		95
18) Hexachloroethane	7.287	117	97139	41.502	ng		99
19) n-Nitroso-di-n-propyla...	7.198	70	165435	40.326	ng		93
20) 3+4-Methylphenols	7.204	107	253481	43.470	ng	#	77
22) Acetophenone	7.192	105	378286	45.584	ng	#	90
24) Nitrobenzene	7.369	77	248767	39.886	ng		96
25) Isophorone	7.604	82	447759	43.905	ng		99
26) 2-Nitrophenol	7.681	139	132890	42.826	ng		94
27) 2,4-Dimethylphenol	7.728	122	195935	54.051	ng		97
28) bis(2-Chloroethoxy)met...	7.816	93	279279	42.736	ng		98
29) 2,4-Dichlorophenol	7.934	162	207842	42.435	ng		100
30) 1,2,4-Trichlorobenzene	8.004	180	224642	42.118	ng		99
31) Naphthalene	8.086	128	711676	40.982	ng		100
32) Benzoic acid	7.875	122	132290	35.134	ng		97
33) 4-Chloroaniline	8.139	127	99947	16.485	ng		98
34) Hexachlorobutadiene	8.198	225	137306	42.882	ng		100
35) Caprolactam	8.516	113	72001m	48.282	ng		
36) 4-Chloro-3-methylphenol	8.634	107	221721	40.867	ng		99
37) 2-Methylnaphthalene	8.775	142	456469	40.394	ng		100
38) 1-Methylnaphthalene	8.875	142	442325	40.415	ng		98
40) 1,2,4,5-Tetrachloroben...	8.945	216	249629	46.850	ng		98
41) Hexachlorocyclopentadiene	8.928	237	214365	120.959	ng		99
43) 2,4,6-Trichlorophenol	9.063	196	143163	41.572	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022625\
Data File : BF141779.D
Acq On : 26 Feb 2025 13:26
Operator : RC/JU
Sample : PB166870BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166870BS

Quant Time: Feb 26 13:46:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

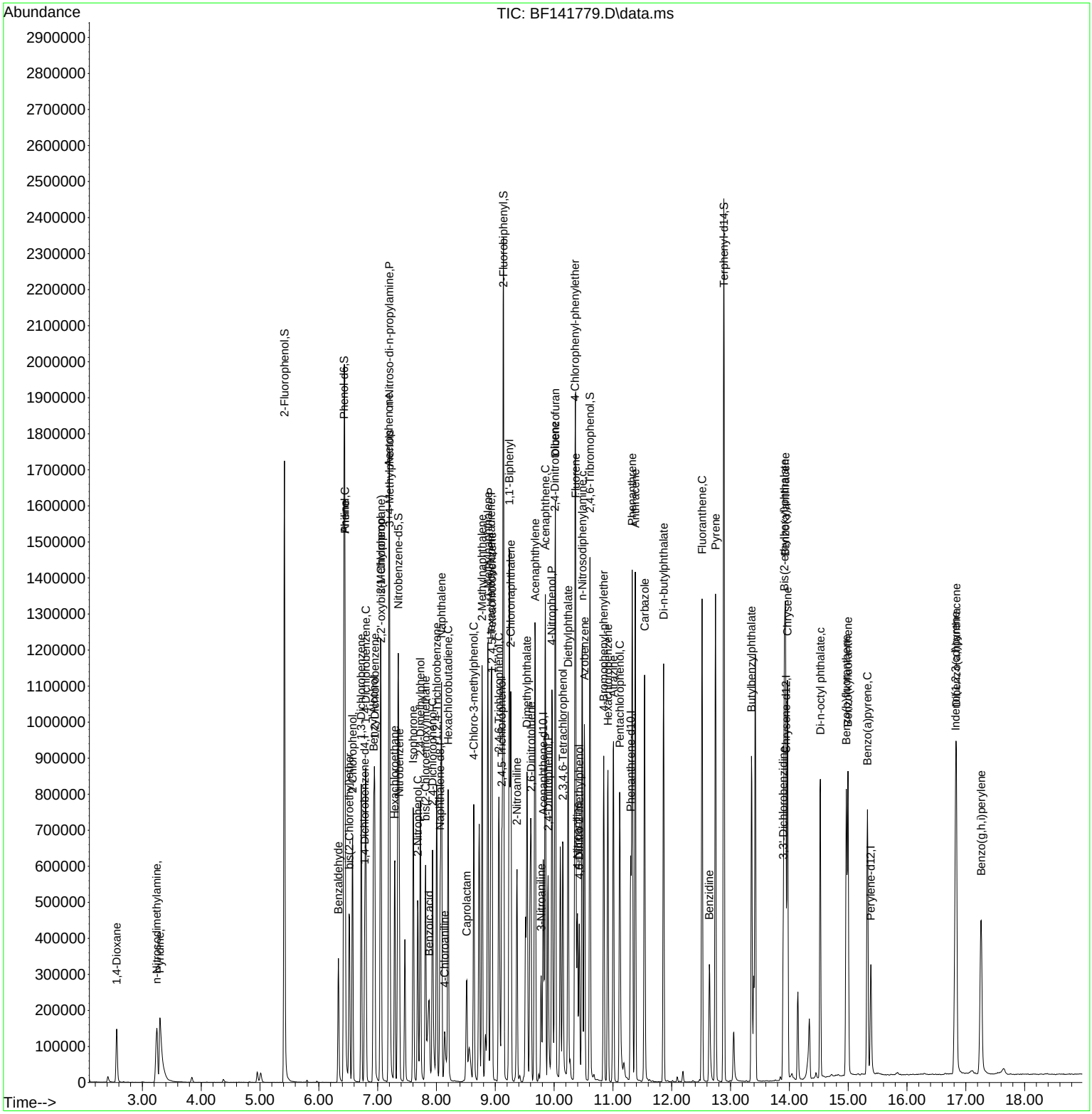
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	154444	41.382	ng	97
46) 1,1'-Biphenyl	9.239	154	655552	45.913	ng	99
47) 2-Chloronaphthalene	9.263	162	450581	42.675	ng	99
48) 2-Nitroaniline	9.369	65	141281	39.872	ng	93
49) Acenaphthylene	9.681	152	699167	44.521	ng	99
50) Dimethylphthalate	9.539	163	547408	43.783	ng	100
51) 2,6-Dinitrotoluene	9.610	165	118503	43.357	ng	92
52) Acenaphthene	9.851	154	430902	40.813	ng	99
53) 3-Nitroaniline	9.781	138	68149	23.166	ng	96
54) 2,4-Dinitrophenol	9.898	184	137452	84.617	ng	86
55) Dibenzofuran	10.022	168	633174	40.858	ng	98
56) 4-Nitrophenol	9.963	139	154836	70.904	ng	91
57) 2,4-Dinitrotoluene	10.016	165	160235	44.038	ng	99
58) Fluorene	10.369	166	512509	42.772	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.151	232	138935	43.239	ng	91
60) Diethylphthalate	10.239	149	528846	42.991	ng	99
61) 4-Chlorophenyl-phenyle...	10.357	204	251620	43.650	ng	97
62) 4-Nitroaniline	10.398	138	122204	40.911	ng	91
63) Azobenzene	10.516	77	485037	39.663	ng	94
65) 4,6-Dinitro-2-methylph...	10.428	198	90100	40.690	ng	92
66) n-Nitrosodiphenylamine	10.480	169	446646	43.772	ng	99
67) 4-Bromophenyl-phenylether	10.845	248	160039	44.922	ng	99
68) Hexachlorobenzene	10.916	284	166815	45.472	ng	97
69) Atrazine	11.010	200	177595	58.015	ng	99
70) Pentachlorophenol	11.116	266	163676	69.776	ng	99
71) Phenanthrene	11.327	178	763853	43.533	ng	99
72) Anthracene	11.380	178	794235	45.028	ng	100
73) Carbazole	11.539	167	678398	42.745	ng	99
74) Di-n-butylphthalate	11.863	149	830425	45.315	ng	100
75) Fluoranthene	12.516	202	786182	42.262	ng	100
77) Benzidine	12.639	184	219297	48.577	ng	99
78) Pyrene	12.745	202	789622	45.315	ng	99
80) Butylbenzylphthalate	13.357	149	299921	49.692	ng	99
81) Benzo(a)anthracene	13.933	228	593989	43.653	ng	99
82) 3,3'-Dichlorobenzidine	13.898	252	114409	29.352	ng	97
83) Chrysene	13.968	228	541257	43.080	ng	100
84) Bis(2-ethylhexyl)phtha...	13.916	149	385680	56.657	ng	99
85) Di-n-octyl phthalate	14.527	149	562563	57.930	ng	96
87) Indeno(1,2,3-cd)pyrene	16.827	276	542957	47.839	ng	99
88) Benzo(b)fluoranthene	14.968	252	545602	44.238	ng	99
89) Benzo(k)fluoranthene	14.998	252	408670	38.804	ng	98
90) Benzo(a)pyrene	15.327	252	459925	46.086	ng	99
91) Dibenzo(a,h)anthracene	16.839	278	440906	47.943	ng	98
92) Benzo(g,h,i)perylene	17.262	276	424315	44.091	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022625\
Data File : BF141779.D
Acq On : 26 Feb 2025 13:26
Operator : RC/JU
Sample : PB166870BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166870BS

Quant Time: Feb 26 13:46:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022625\
Data File : BF141784.D
Acq On : 26 Feb 2025 15:59
Operator : RC/JU
Sample : Q1422-01MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-154-SB01MS

Quant Time: Feb 26 16:22:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.781	152	79854	20.000	ng		-0.01
21) Naphthalene-d8	8.063	136	322962	20.000	ng		-0.01
39) Acenaphthene-d10	9.816	164	177311	20.000	ng		-0.02
64) Phenanthrene-d10	11.304	188	312658	20.000	ng		-0.01
76) Chrysene-d12	13.945	240	214920	20.000	ng		-0.02
86) Perylene-d12	15.386	264	184312	20.000	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.410	112	463240	90.946	ng		0.00
7) Phenol-d6	6.428	99	564614	87.702	ng		-0.01
23) Nitrobenzene-d5	7.345	82	360039	58.146	ng		-0.02
42) 2,4,6-Tribromophenol	10.610	330	163946	92.044	ng		-0.02
45) 2-Fluorobiphenyl	9.134	172	686035	59.609	ng		-0.02
79) Terphenyl-d14	12.886	244	817250	64.194	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	2.528	88	87029	42.452	ng		93
3) Pyridine	3.257	79	198020	40.592	ng		90
4) n-Nitrosodimethylamine	3.210	42	113138	35.025	ng		83
6) Aniline	6.446	93	181638	30.077	ng	#	76
8) 2-Chlorophenol	6.569	128	239317	43.482	ng		99
9) Benzaldehyde	6.334	77	89246	26.087	ng		95
10) Phenol	6.440	94	287634	42.927	ng		92
11) bis(2-Chloroethyl)ether	6.516	93	213979	42.516	ng		98
12) 1,3-Dichlorobenzene	6.722	146	245905	42.321	ng		97
13) 1,4-Dichlorobenzene	6.798	146	252675	42.562	ng		97
14) 1,2-Dichlorobenzene	6.951	146	239585	43.483	ng		99
15) Benzyl Alcohol	6.928	79	199900	40.491	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.057	45	318601	36.981	ng		61
17) 2-Methylphenol	7.051	107	182215	42.306	ng		93
18) Hexachloroethane	7.287	117	93229	42.433	ng		98
19) n-Nitroso-di-n-propyla...	7.198	70	159978	41.543	ng		92
20) 3+4-Methylphenols	7.204	107	241904	44.194	ng	#	73
22) Acetophenone	7.193	105	364098	45.320	ng	#	90
24) Nitrobenzene	7.369	77	238455	39.493	ng		95
25) Isophorone	7.604	82	426486	43.198	ng		99
26) 2-Nitrophenol	7.681	139	128143	42.658	ng		93
27) 2,4-Dimethylphenol	7.728	122	189805	54.086	ng		97
28) bis(2-Chloroethoxy)met...	7.816	93	269122	42.540	ng		99
29) 2,4-Dichlorophenol	7.934	162	199953	42.170	ng		99
30) 1,2,4-Trichlorobenzene	8.004	180	213563	41.361	ng		100
31) Naphthalene	8.087	128	679030	40.391	ng		100
32) Benzoic acid	7.863	122	101995	27.981	ng		95
33) 4-Chloroaniline	8.140	127	75693	12.896	ng		97
34) Hexachlorobutadiene	8.198	225	131485	42.417	ng		99
35) Caprolactam	8.510	113	68349m	47.344	ng		
36) 4-Chloro-3-methylphenol	8.634	107	214849	40.906	ng		98
37) 2-Methylnaphthalene	8.775	142	437338	39.977	ng		99
38) 1-Methylnaphthalene	8.875	142	423635	39.983	ng		98
40) 1,2,4,5-Tetrachloroben...	8.945	216	238674	46.527	ng		99
41) Hexachlorocyclopentadiene	8.928	237	187870	110.109	ng		99
43) 2,4,6-Trichlorophenol	9.063	196	137394	41.440	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022625\
Data File : BF141784.D
Acq On : 26 Feb 2025 15:59
Operator : RC/JU
Sample : Q1422-01MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-154-SB01MS

Quant Time: Feb 26 16:22:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

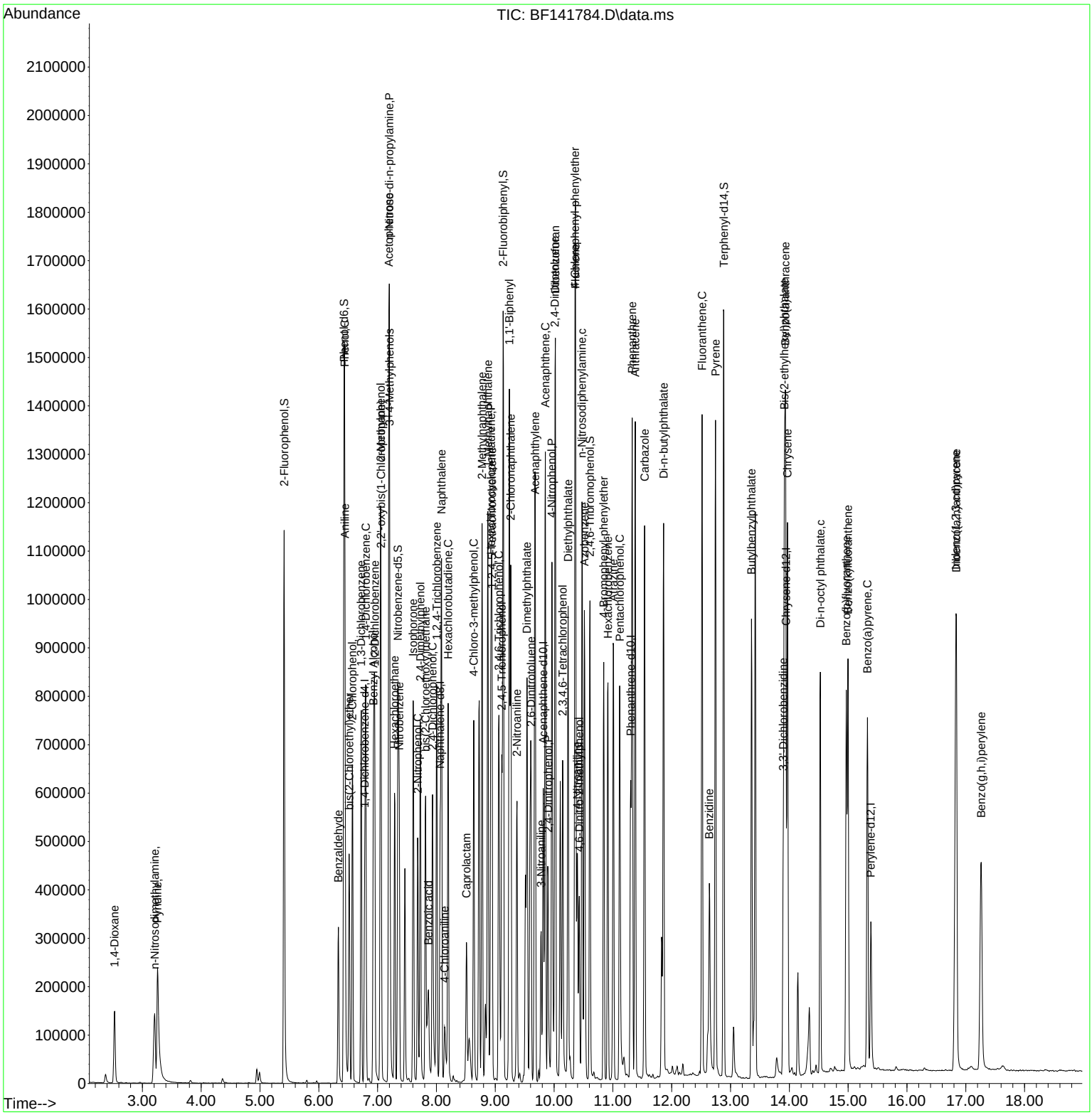
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	149521	41.612	ng		97
46) 1,1'-Biphenyl	9.239	154	639642	46.531	ng		100
47) 2-Chloronaphthalene	9.263	162	434391	42.733	ng		98
48) 2-Nitroaniline	9.369	65	138675	40.650	ng		91
49) Acenaphthylene	9.681	152	666305	44.069	ng		99
50) Dimethylphthalate	9.539	163	514964	42.781	ng		99
51) 2,6-Dinitrotoluene	9.610	165	116422	44.243	ng		90
52) Acenaphthene	9.851	154	416385	40.964	ng		100
53) 3-Nitroaniline	9.781	138	70858	25.019	ng		97
54) 2,4-Dinitrophenol	9.898	184	99584	63.676	ng	#	85
55) Dibenzofuran	10.022	168	601769	40.333	ng		99
56) 4-Nitrophenol	9.963	139	159933	76.071	ng		93
57) 2,4-Dinitrotoluene	10.016	165	151157	43.150	ng		98
58) Fluorene	10.363	166	489898	42.466	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.145	232	123256	39.843	ng	#	95
60) Diethylphthalate	10.239	149	507703	42.869	ng		99
61) 4-Chlorophenyl-phenyle...	10.357	204	242214	43.643	ng		96
62) 4-Nitroaniline	10.398	138	122560	42.617	ng		94
63) Azobenzene	10.516	77	499266	42.405	ng		94
65) 4,6-Dinitro-2-methylph...	10.428	198	78485	36.137	ng		88
66) n-Nitrosodiphenylamine	10.475	169	431958	43.159	ng		99
67) 4-Bromophenyl-phenylether	10.845	248	150121	42.961	ng		100
68) Hexachlorobenzene	10.916	284	158295	43.992	ng		97
69) Atrazine	11.010	200	165560	55.140	ng		99
70) Pentachlorophenol	11.116	266	154259	67.046	ng		99
71) Phenanthrene	11.328	178	738439	42.906	ng		100
72) Anthracene	11.381	178	768272	44.407	ng		100
73) Carbazole	11.539	167	671363	43.127	ng		99
74) Di-n-butylphthalate	11.863	149	801177	44.573	ng		100
75) Fluoranthene	12.516	202	783278	42.928	ng		100
77) Benzidine	12.639	184	237535	50.114	ng		100
78) Pyrene	12.745	202	801068	43.785	ng		99
80) Butylbenzylphthalate	13.357	149	310087	48.933	ng		98
81) Benzo(a)anthracene	13.933	228	631417	44.197	ng		99
82) 3,3'-Dichlorobenzidine	13.898	252	133088	32.521	ng		99
83) Chrysene	13.969	228	559008	42.377	ng		100
84) Bis(2-ethylhexyl)phtha...	13.916	149	400847	56.085	ng		99
85) Di-n-octyl phthalate	14.527	149	557047	54.634	ng		96
87) Indeno(1,2,3-cd)pyrene	16.833	276	554914	48.726	ng		99
88) Benzo(b)fluoranthene	14.969	252	457903	37.000	ng		99
89) Benzo(k)fluoranthene	14.998	252	406870	38.501	ng		99
90) Benzo(a)pyrene	15.327	252	451992	45.136	ng		99
91) Dibenzo(a,h)anthracene	16.839	278	447722	48.518	ng		99
92) Benzo(g,h,i)perylene	17.262	276	432991	44.839	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022625\
Data File : BF141784.D
Acq On : 26 Feb 2025 15:59
Operator : RC/JU
Sample : Q1422-01MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-154-SB01MS

Quant Time: Feb 26 16:22:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022625\
Data File : BF141785.D
Acq On : 26 Feb 2025 16:28
Operator : RC/JU
Sample : Q1422-01MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-154-SB01MSD

Quant Time: Feb 26 16:50:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.781	152	75036	20.000	ng		-0.01
21) Naphthalene-d8	8.063	136	298435	20.000	ng		-0.01
39) Acenaphthene-d10	9.816	164	168527	20.000	ng		-0.02
64) Phenanthrene-d10	11.304	188	293184	20.000	ng		-0.01
76) Chrysene-d12	13.945	240	207473	20.000	ng		-0.02
86) Perylene-d12	15.386	264	181155	20.000	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.410	112	425044	88.805	ng		0.00
7) Phenol-d6	6.428	99	522001	86.289	ng		-0.01
23) Nitrobenzene-d5	7.345	82	325749	56.932	ng		-0.02
42) 2,4,6-Tribromophenol	10.610	330	150690	89.011	ng		-0.02
45) 2-Fluorobiphenyl	9.134	172	630389	57.629	ng		-0.02
79) Terphenyl-d14	12.880	244	756858	61.584	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	2.516	88	80900	41.996	ng		92
3) Pyridine	3.252	79	178636	38.969	ng		92
4) n-Nitrosodimethylamine	3.199	42	101589	33.469	ng		84
6) Aniline	6.446	93	171258	30.180	ng	#	83
8) 2-Chlorophenol	6.569	128	217485	42.053	ng		99
9) Benzaldehyde	6.334	77	81158	25.246	ng		96
10) Phenol	6.440	94	263836	41.903	ng		93
11) bis(2-Chloroethyl)ether	6.516	93	195079	41.250	ng		97
12) 1,3-Dichlorobenzene	6.722	146	227029	41.581	ng		97
13) 1,4-Dichlorobenzene	6.798	146	231957	41.581	ng		98
14) 1,2-Dichlorobenzene	6.951	146	221610	42.803	ng		97
15) Benzyl Alcohol	6.928	79	182856	39.417	ng		96
16) 2,2'-oxybis(1-Chloropr...	7.057	45	293439	36.247	ng		66
17) 2-Methylphenol	7.045	107	166674	41.183	ng		97
18) Hexachloroethane	7.287	117	84339	40.852	ng		98
19) n-Nitroso-di-n-propyla...	7.193	70	145832	40.301	ng		93
20) 3+4-Methylphenols	7.204	107	222606	43.280	ng	#	71
22) Acetophenone	7.193	105	329827	44.429	ng	#	90
24) Nitrobenzene	7.363	77	217972	39.067	ng		97
25) Isophorone	7.604	82	387811	42.509	ng		98
26) 2-Nitrophenol	7.681	139	115080	41.458	ng		94
27) 2,4-Dimethylphenol	7.722	122	171743	52.961	ng		98
28) bis(2-Chloroethoxy)met...	7.816	93	241119	41.246	ng		99
29) 2,4-Dichlorophenol	7.934	162	181869	41.509	ng		99
30) 1,2,4-Trichlorobenzene	8.004	180	194338	40.731	ng		99
31) Naphthalene	8.087	128	624072	40.173	ng		100
32) Benzoic acid	7.863	122	99126	29.429	ng		95
33) 4-Chloroaniline	8.145	127	74597	13.754	ng		97
34) Hexachlorobutadiene	8.198	225	118239	41.279	ng		100
35) Caprolactam	8.510	113	64715m	48.511	ng		
36) 4-Chloro-3-methylphenol	8.634	107	195052	40.189	ng		98
37) 2-Methylnaphthalene	8.775	142	401831	39.750	ng		99
38) 1-Methylnaphthalene	8.875	142	389031	39.734	ng		100
40) 1,2,4,5-Tetrachloroben...	8.940	216	219439	45.007	ng		99
41) Hexachlorocyclopentadiene	8.928	237	156048	96.225	ng		98
43) 2,4,6-Trichlorophenol	9.063	196	125370	39.784	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022625\
Data File : BF141785.D
Acq On : 26 Feb 2025 16:28
Operator : RC/JU
Sample : Q1422-01MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-154-SB01MSD

Quant Time: Feb 26 16:50:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

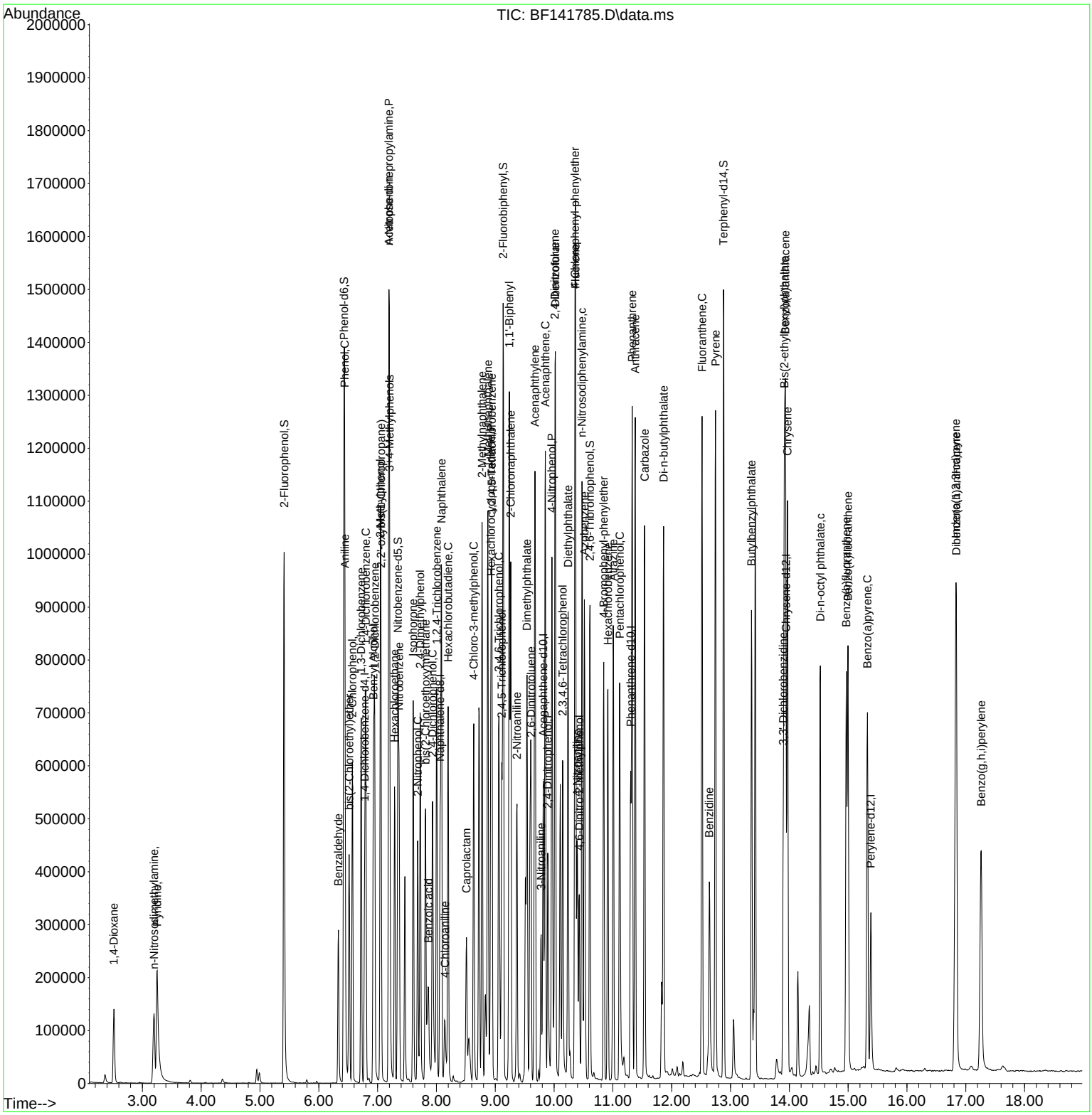
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.110	196	138616	40.588	ng	97
46) 1,1'-Biphenyl	9.239	154	585493	44.812	ng	100
47) 2-Chloronaphthalene	9.263	162	395944	40.981	ng	99
48) 2-Nitroaniline	9.369	65	127210	39.233	ng	90
49) Acenaphthylene	9.675	152	611703	42.566	ng	99
50) Dimethylphthalate	9.539	163	474328	41.459	ng	99
51) 2,6-Dinitrotoluene	9.610	165	105139	42.038	ng	91
52) Acenaphthene	9.851	154	384408	39.789	ng	100
53) 3-Nitroaniline	9.781	138	64657	24.019	ng	95
54) 2,4-Dinitrophenol	9.892	184	102814	69.168	ng	92
55) Dibenzofuran	10.022	168	552640	38.971	ng	99
56) 4-Nitrophenol	9.963	139	153270	76.701	ng	90
57) 2,4-Dinitrotoluene	10.016	165	141687	42.555	ng	98
58) Fluorene	10.363	166	454938	41.491	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.145	232	112869	38.387	ng	95
60) Diethylphthalate	10.239	149	450114	39.987	ng	99
61) 4-Chlorophenyl-phenyle...	10.357	204	222533	42.187	ng	95
62) 4-Nitroaniline	10.392	138	111886	40.933	ng	96
63) Azobenzene	10.516	77	456115	40.760	ng	93
65) 4,6-Dinitro-2-methylph...	10.428	198	73772	36.223	ng	87
66) n-Nitrosodiphenylamine	10.475	169	396168	42.212	ng	99
67) 4-Bromophenyl-phenylether	10.845	248	139213	42.486	ng	99
68) Hexachlorobenzene	10.916	284	145316	43.068	ng	97
69) Atrazine	11.004	200	152593	54.197	ng	99
70) Pentachlorophenol	11.116	266	143771	66.638	ng	99
71) Phenanthrene	11.328	178	680677	42.177	ng	100
72) Anthracene	11.381	178	711386	43.850	ng	100
73) Carbazole	11.539	167	621476	42.575	ng	99
74) Di-n-butylphthalate	11.863	149	735407	43.631	ng	100
75) Fluoranthene	12.516	202	722689	42.238	ng	100
77) Benzidine	12.639	184	232919	50.904	ng	100
78) Pyrene	12.745	202	744877	42.175	ng	100
80) Butylbenzylphthalate	13.357	149	289238	47.281	ng	99
81) Benzo(a)anthracene	13.933	228	587897	42.628	ng	99
82) 3,3'-Dichlorobenzidine	13.898	252	126340	31.980	ng	97
83) Chrysene	13.969	228	532846	41.843	ng	100
84) Bis(2-ethylhexyl)phtha...	13.916	149	379316	54.977	ng	100
85) Di-n-octyl phthalate	14.527	149	526238	53.464	ng	96
87) Indeno(1,2,3-cd)pyrene	16.833	276	526140	47.005	ng	99
88) Benzo(b)fluoranthene	14.969	252	442364	36.368	ng	99
89) Benzo(k)fluoranthene	14.998	252	457026	44.001	ng	99
90) Benzo(a)pyrene	15.327	252	428789	43.565	ng	99
91) Dibenzo(a,h)anthracene	16.839	278	426195	46.990	ng	99
92) Benzo(g,h,i)perylene	17.262	276	411835	43.391	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022625\
Data File : BF141785.D
Acq On : 26 Feb 2025 16:28
Operator : RC/JU
Sample : Q1422-01MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-154-SB01MSD

Quant Time: Feb 26 16:50:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration



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

Manual Integration Report

Sequence:	bf020625	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF141474.D	Acenaphthene	Jagrut	2/7/2025 3:49:22 PM	mohammad	2/7/2025 10:09:12 PM	Peak Integrated by Software
SSTDICC020	BF141475.D	Acenaphthene	Jagrut	2/7/2025 3:49:24 PM	mohammad	2/7/2025 10:09:12 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF022625	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB166870BS	BF141779.D	Caprolactam	anahy	2/27/2025 10:08:39 AM	Jagrut	2/27/2025 12:19:45 PM	Peak Integrated by Software
Q1422-01MS	BF141784.D	Caprolactam	anahy	2/27/2025 10:12:08 AM	Jagrut	2/27/2025 12:19:51 PM	Peak Integrated by Software
Q1422-01MSD	BF141785.D	Caprolactam	anahy	2/27/2025 10:13:30 AM	Jagrut	2/27/2025 12:19:53 PM	Peak Integrated by Software

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020625

Review By	Jagrut	Review On	2/7/2025 3:49:55 PM				
Supervise By	mohammad	Supervise On	2/7/2025 10:09:12 PM				
SubDirectory	BF020625	HP Acquire Method	BNA_F		HP Processing Method	bf020625	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141471.D	06 Feb 2025 10:41	RC/JU	Ok
2	SSTDICC2.5	BF141472.D	06 Feb 2025 11:07	RC/JU	Ok
3	SSTDICC005	BF141473.D	06 Feb 2025 11:34	RC/JU	Ok
4	SSTDICC010	BF141474.D	06 Feb 2025 12:00	RC/JU	Ok,M
5	SSTDICC020	BF141475.D	06 Feb 2025 12:26	RC/JU	Ok,M
6	SSTDICCC040	BF141476.D	06 Feb 2025 12:55	RC/JU	Ok
7	SSTDICC050	BF141477.D	06 Feb 2025 13:21	RC/JU	Ok
8	SSTDICC060	BF141478.D	06 Feb 2025 13:47	RC/JU	Ok
9	SSTDICC080	BF141479.D	06 Feb 2025 14:14	RC/JU	Ok
10	SSTDICV040	BF141480.D	06 Feb 2025 15:03	RC/JU	Ok
11	PB166563BL	BF141481.D	06 Feb 2025 15:43	RC/JU	Ok
12	PB166468BS	BF141482.D	06 Feb 2025 16:09	RC/JU	Ok,M
13	PB166468BSD	BF141483.D	06 Feb 2025 16:36	RC/JU	Ok,M
14	PB166468BL	BF141484.D	06 Feb 2025 17:02	RC/JU	Ok
15	Q1214-01RE	BF141485.D	06 Feb 2025 17:34	RC/JU	Confirms
16	Q1309-01	BF141486.D	06 Feb 2025 18:00	RC/JU	Ok
17	Q1309-05	BF141487.D	06 Feb 2025 18:27	RC/JU	Ok
18	Q1309-09	BF141488.D	06 Feb 2025 18:53	RC/JU	Ok
19	Q1309-13	BF141489.D	06 Feb 2025 19:19	RC/JU	Ok
20	Q1309-13MS	BF141490.D	06 Feb 2025 19:45	RC/JU	Ok,M
21	Q1309-13MSD	BF141491.D	06 Feb 2025 20:11	RC/JU	Ok,M

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020625

Review By	Jagrut	Review On	2/7/2025 3:49:55 PM				
Supervise By	mohammad	Supervise On	2/7/2025 10:09:12 PM				
SubDirectory	BF020625	HP Acquire Method	BNA_F		HP Processing Method	bf020625	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1309-17	BF141492.D	06 Feb 2025 20:37	RC/JU	Ok
23	Q1309-21	BF141493.D	06 Feb 2025 21:03	RC/JU	Ok
24	Q1216-04	BF141494.D	06 Feb 2025 21:30	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF022625

Review By	anahy	Review On	2/27/2025 10:16:58 AM				
Supervise By	Jagrut	Supervise On	2/27/2025 12:20:32 PM				
SubDirectory	BF022625	HP Acquire Method	BNA_F		HP Processing Method	bf020625	

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	BF141774.D	26 Feb 2025 10:16	RC/JU	Ok
2	SSTDCCC040	BF141775.D	26 Feb 2025 10:45	RC/JU	Ok
3	PB166853BL	BF141776.D	26 Feb 2025 11:49	RC/JU	Ok
4	PB166853BS	BF141777.D	26 Feb 2025 12:19	RC/JU	Ok,M
5	PB166870BL	BF141778.D	26 Feb 2025 12:56	RC/JU	Ok
6	PB166870BS	BF141779.D	26 Feb 2025 13:26	RC/JU	Ok,M
7	PB166875BL	BF141780.D	26 Feb 2025 13:55	RC/JU	Ok
8	PB166875BS	BF141781.D	26 Feb 2025 14:24	RC/JU	Ok,M
9	PB166875BSD	BF141782.D	26 Feb 2025 14:54	RC/JU	Ok,M
10	Q1422-01	BF141783.D	26 Feb 2025 15:29	RC/JU	Ok
11	Q1422-01MS	BF141784.D	26 Feb 2025 15:59	RC/JU	Ok,M
12	Q1422-01MSD	BF141785.D	26 Feb 2025 16:28	RC/JU	Ok,M
13	Q1422-02	BF141786.D	26 Feb 2025 16:57	RC/JU	Ok
14	Q1415-06	BF141787.D	26 Feb 2025 17:27	RC/JU	Ok
15	Q1415-05	BF141788.D	26 Feb 2025 17:56	RC/JU	Ok
16	Q1427-01	BF141789.D	26 Feb 2025 18:25	RC/JU	Ok,M
17	Q1420-05	BF141790.D	26 Feb 2025 18:55	RC/JU	Ok
18	Q1428-01	BF141791.D	26 Feb 2025 19:25	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020625

Review By	Jagrut	Review On	2/7/2025 3:49:55 PM		
Supervise By	mohammad	Supervise On	2/7/2025 10:09:12 PM		
SubDirectory	BF020625	HP Acquire Method	BNA_F	HP Processing Method	bf020625

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12650,10ul/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	BF141471.D	06 Feb 2025 10:41		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF141472.D	06 Feb 2025 11:07		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF141473.D	06 Feb 2025 11:34	Compound #32,41,54 and #65 removed from 5PPM	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF141474.D	06 Feb 2025 12:00		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF141475.D	06 Feb 2025 12:26		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF141476.D	06 Feb 2025 12:55	The Calibration is Good For 8270 DOD and good for 625.1 Method	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF141477.D	06 Feb 2025 13:21		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF141478.D	06 Feb 2025 13:47		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF141479.D	06 Feb 2025 14:14	Compound #9 removed from 80ppm	RC/JU	Ok
10	SSTDICV040	ICVBF020625	BF141480.D	06 Feb 2025 15:03		RC/JU	Ok
11	PB166563BL	PB166563BL	BF141481.D	06 Feb 2025 15:43		RC/JU	Ok
12	PB166468BS	PB166468BS	BF141482.D	06 Feb 2025 16:09		RC/JU	Ok,M
13	PB166468BSD	PB166468BSD	BF141483.D	06 Feb 2025 16:36		RC/JU	Ok,M
14	PB166468BL	PB166468BL	BF141484.D	06 Feb 2025 17:02		RC/JU	Ok
15	Q1214-01RE	PARAMUS-CONDENS/	BF141485.D	06 Feb 2025 17:34	Surrogate Fail	RC/JU	Confirms
16	Q1309-01	WC-2	BF141486.D	06 Feb 2025 18:00		RC/JU	Ok
17	Q1309-05	WC-3	BF141487.D	06 Feb 2025 18:27		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020625

Review By	Jagrut	Review On	2/7/2025 3:49:55 PM		
Supervise By	mohammad	Supervise On	2/7/2025 10:09:12 PM		
SubDirectory	BF020625	HP Acquire Method	BNA_F	HP Processing Method	bf020625

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1309-09	WC-4	BF141488.D	06 Feb 2025 18:53		RC/JU	Ok
19	Q1309-13	WC-5	BF141489.D	06 Feb 2025 19:19		RC/JU	Ok
20	Q1309-13MS	WC-5MS	BF141490.D	06 Feb 2025 19:45		RC/JU	Ok,M
21	Q1309-13MSD	WC-5MSD	BF141491.D	06 Feb 2025 20:11		RC/JU	Ok,M
22	Q1309-17	WC-6	BF141492.D	06 Feb 2025 20:37		RC/JU	Ok
23	Q1309-21	WC-8	BF141493.D	06 Feb 2025 21:03		RC/JU	Ok
24	Q1216-04	JPP-18.1-012825	BF141494.D	06 Feb 2025 21:30		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF022625

Review By	anahy	Review On	2/27/2025 10:16:58 AM		
Supervise By	Jagrut	Supervise On	2/27/2025 12:20:32 PM		
SubDirectory	BF022625	HP Acquire Method	BNA_F	HP Processing Method	bf020625

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	BF141774.D	26 Feb 2025 10:16		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141775.D	26 Feb 2025 10:45		RC/JU	Ok
3	PB166853BL	PB166853BL	BF141776.D	26 Feb 2025 11:49		RC/JU	Ok
4	PB166853BS	PB166853BS	BF141777.D	26 Feb 2025 12:19		RC/JU	Ok,M
5	PB166870BL	PB166870BL	BF141778.D	26 Feb 2025 12:56		RC/JU	Ok
6	PB166870BS	PB166870BS	BF141779.D	26 Feb 2025 13:26		RC/JU	Ok,M
7	PB166875BL	PB166875BL	BF141780.D	26 Feb 2025 13:55		RC/JU	Ok
8	PB166875BS	PB166875BS	BF141781.D	26 Feb 2025 14:24		RC/JU	Ok,M
9	PB166875BSD	PB166875BSD	BF141782.D	26 Feb 2025 14:54		RC/JU	Ok,M
10	Q1422-01	B-154-SB01	BF141783.D	26 Feb 2025 15:29		RC/JU	Ok
11	Q1422-01MS	B-154-SB01MS	BF141784.D	26 Feb 2025 15:59		RC/JU	Ok,M
12	Q1422-01MSD	B-154-SB01MSD	BF141785.D	26 Feb 2025 16:28		RC/JU	Ok,M
13	Q1422-02	B-154-SB02	BF141786.D	26 Feb 2025 16:57		RC/JU	Ok
14	Q1415-06	B-173-GW01	BF141787.D	26 Feb 2025 17:27		RC/JU	Ok
15	Q1415-05	FB02222025	BF141788.D	26 Feb 2025 17:56		RC/JU	Ok
16	Q1427-01	VNJ-227	BF141789.D	26 Feb 2025 18:25		RC/JU	Ok,M
17	Q1420-05	TP-2-WC	BF141790.D	26 Feb 2025 18:55		RC/JU	Ok
18	Q1428-01	NB-07-022525	BF141791.D	26 Feb 2025 19:25		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF022625

Review By	anahy	Review On	2/27/2025 10:16:58 AM		
Supervise By	Jagrut	Supervise On	2/27/2025 12:20:32 PM		
SubDirectory	BF022625	HP Acquire Method	BNA_F	HP Processing Method	bf020625

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	

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB166870

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 02/26/2025

Extraction Start Time : 08:35

Extraction End Date : 02/26/2025

Extraction End Time : 11:35

Concentration By: EH

Supervisor By : RUPESH

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	SP6720
Surrogate	1.0ML	100/150 PPM	SP6638
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2582
Baked Na2SO4	N/A	EP2589
Methylene Chloride	N/A	E3878
Sand	N/A	E2865
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot # 2210673.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
2/26/25	RS (Ext-Lab)	AC/SVOC
11:40	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB166870

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 02/26/2025

Sample ID	Client Sample ID	Test	(g) mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166870BL	SBLK870	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U3-1
PB166870BS	SLCS870	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
Q1422-01	B-154-SB01	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	E		3
Q1422-01MS	B-154-SB01MS	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		4
Q1422-01MSD	B-154-SB01MSD	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		5
Q1422-02	B-154-SB02	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	E		6
Q1427-01	VNJ-227	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		U6-1
Q1428-01	NB-07-022525	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	E		2

RJ 2/26

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

PB 168871 8:35

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1428 **WorkList ID :** 187888 **Department :** Extraction **Date :** 02-26-2025 08:30:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1422-01	B-154-SB01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	H33	02/23/2025	8270E
Q1422-02	B-154-SB02	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	H33	02/23/2025	8270E
Q1427-01	VNJ-227	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	H21	02/25/2025	8270E
Q1428-01	NB-07-022525	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	H21	02/25/2025	8270E

Date/Time 2/26/25 8:30

Raw Sample Received by: RJ (Ext by)

Raw Sample Relinquished by:

Date/Time 2/26/25 8:55

Raw Sample Received by:

Raw Sample Relinquished by: RJ (Ext by)

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

LAB CHRONICLE

OrderID:	Q1422	**OrderDate:**	2/25/2025 10:47:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	H33,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1422-01	**B-154-SB01**	**SOIL**			**02/23/25**			**02/25/25**
			SVOC-TCL BNA -20	8270E		02/26/25	02/26/25	
Q1422-02	**B-154-SB02**	**SOIL**			**02/23/25**			**02/25/25**
			SVOC-TCL BNA -20	8270E		02/26/25	02/26/25	