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

Hit Summary Sheet
SW-846

SDG No.: P4718

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : WB-307-SB01									
P4718-01	WB-307-SB01	SOIL	2-Bromo dodecane	*	190.000	J	0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	870.000	AB	0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	Benzophenone	*	380.000	J	0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	Butane, 2-methoxy-2-methyl-	*	3,700.000	JB	0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	Dodecane, 2,6,10-trimethyl-	*	550.000	J	0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	n-Hexadecanoic acid	*	550.000	J	0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	Oleic Acid	*	120.000	J	0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	Pentacosane	*	680.000	J	0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	Pentadecane	*	730.000	J	0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	Pentadecane, 7-methyl-	*	130.000	J	0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	Propane, 1,1-dimethoxy-	*	130.000	J	0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	Sulfurous acid, 2-ethylhexyl tride	*	180.000	J	0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	Tetradecane	*	1,700.000	J	0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	trans, cis-3-Ethylbicyclo[4.4.0]de	*	100.000	J	0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	Tridecane	*	700.000	J	0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	Trifluoroacetic acid, pentadecyl e	*	240.000	J	0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	Undecane, 3-methyl-	*	150.000	J	0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	Undecane, 5,5-dimethyl-	*	150.000	J	0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	unknown8.804	*	160.000	J	0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	unknown9.034	*	230.000	J	0	0	ug/Kg
			Total Tics :		**11,640.00**				
			Total Concentration:		**11,640.00**				
Client ID : WB-307-SB02									
P4718-02	WB-307-SB02	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	790.000	AB	0	0	ug/Kg
P4718-02	WB-307-SB02	SOIL	Benzophenone	*	360.000	J	0	0	ug/Kg
P4718-02	WB-307-SB02	SOIL	Butane, 2-methoxy-2-methyl-	*	3,500.000	JB	0	0	ug/Kg
P4718-02	WB-307-SB02	SOIL	Heptadecyl heptafluorobutyrate	*	210.000	J	0	0	ug/Kg
P4718-02	WB-307-SB02	SOIL	n-Hexadecanoic acid	*	460.000	J	0	0	ug/Kg
P4718-02	WB-307-SB02	SOIL	Propane, 1,1-dimethoxy-	*	120.000	J	0	0	ug/Kg
			Total Tics :		**5,440.00**				
			Total Concentration:		**5,440.00**				
Client ID : WB-307-SW									
P4718-04	WB-307-SW	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	10.500	AB	0	0	ug/L
P4718-04	WB-307-SW	WATER	Acetic acid, butyl ester	*	3.300	J	0	0	ug/L
P4718-04	WB-307-SW	WATER	Benzophenone	*	5.400	J	0	0	ug/L
P4718-04	WB-307-SW	WATER	Butane, 2-methoxy-2-methyl-	*	250.000	JB	0	0	ug/L

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

Hit Summary Sheet
SW-846

SDG No.: P4718

Client: Portal Partners Tri-Venture

Sample ID	Client ID		Parameter	Concentration		C	MDL	RDL	Units
P4718-04	WB-307-SW	WATER	n-Hexadecanoic acid	*	3.300	J	0	0	ug/L
			Total Tics :		**272.50**				
			Total Concentration:		**272.50**				

SAMPLE DATA

Raw Data: **BF140270.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/04/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/05/24
Client Sample ID:	WB-307-SB01	SDG No.:	P4718
Lab Sample ID:	P4718-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	78
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
BF140270.D	1	11/06/24 09:45	11/07/24 13:07	PB164702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	230	UQ	230	420	ug/Kg
108-95-2	Phenol	110	U	110	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	220	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	220	ug/Kg
95-48-7	2-Methylphenol	100	U	100	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	220	ug/Kg
98-86-2	Acetophenone	110	U	110	220	ug/Kg
65794-96-9	3+4-Methylphenols	100	U	100	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51.6	U	51.6	100	ug/Kg
67-72-1	Hexachloroethane	110	U	110	220	ug/Kg
98-95-3	Nitrobenzene	120	U	120	220	ug/Kg
78-59-1	Isophorone	110	U	110	220	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	220	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	220	ug/Kg
120-83-2	2,4-Dichlorophenol	96.7	U	96.7	220	ug/Kg
91-20-3	Naphthalene	110	U	110	220	ug/Kg
106-47-8	4-Chloroaniline	110	UQ	110	220	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	220	ug/Kg
105-60-2	Caprolactam	110	U	110	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	99.3	U	99.3	220	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	UQ	200	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	91.4	U	91.4	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	94.8	U	94.8	220	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	220	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	220	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	220	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	220	ug/Kg

Raw Data: **BF140270.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/04/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/05/24
Client Sample ID:	WB-307-SB01	SDG No.:	P4718
Lab Sample ID:	P4718-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	78
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
BF140270.D	1	11/06/24 09:45	11/07/24 13:07	PB164702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	110	U	110	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	220	ug/Kg
99-09-2	3-Nitroaniline	110	UQ	110	220	ug/Kg
83-32-9	Acenaphthene	100	U	100	220	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	310	420	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	420	ug/Kg
132-64-9	Dibenzofuran	110	U	110	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	220	ug/Kg
84-66-2	Diethylphthalate	100	U	100	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	220	ug/Kg
86-73-7	Fluorene	110	U	110	220	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	100	U	100	220	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	220	ug/Kg
1912-24-9	Atrazine	120	U	120	220	ug/Kg
87-86-5	Pentachlorophenol	99.0	U	99.0	420	ug/Kg
85-01-8	Phenanthrene	110	U	110	220	ug/Kg
120-12-7	Anthracene	110	U	110	220	ug/Kg
86-74-8	Carbazole	100	U	100	220	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	220	ug/Kg
206-44-0	Fluoranthene	100	U	100	220	ug/Kg
129-00-0	Pyrene	110	U	110	220	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	130	U	130	420	ug/Kg
56-55-3	Benzo(a)anthracene	100	U	100	220	ug/Kg
218-01-9	Chrysene	100	U	100	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	220	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	U	100	220	ug/Kg

Raw Data: **BF140270.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/04/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/05/24
Client Sample ID:	WB-307-SB01	SDG No.:	P4718
Lab Sample ID:	P4718-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	78
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
BF140270.D	1	11/06/24 09:45	11/07/24 13:07	PB164702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	110	U	110	220	ug/Kg
50-32-8	Benzo(a)pyrene	120	U	120	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	100	U	100	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	U	100	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	220	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	95.7	U	95.7	220	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	135		30 (18) - 130 (112)	90%	SPK: 150
13127-88-3	Phenol-d6	134		30 (15) - 130 (107)	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.3		30 (18) - 130 (107)	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.9		30 (20) - 130 (109)	83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	151		30 (10) - 130 (116)	101%	SPK: 150
1718-51-0	Terphenyl-d14	80.7		30 (10) - 130 (105)	81%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	128000	6.875			
1146-65-2	Naphthalene-d8	477000	8.157			
15067-26-2	Acenaphthene-d10	268000	9.916			
1517-22-2	Phenanthrene-d10	494000	11.404			
1719-03-5	Chrysene-d12	285000	14.051			
1520-96-3	Perylene-d12	293000	15.563			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	3700	JB		2.16	ug/Kg
004744-10-9	Propane, 1,1-dimethoxy-	130	J		2.27	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	870	AB		5.10	ug/Kg
066660-43-3	trans, cis-3-Ethylbicyclo[4.4.0]de	100	J		8.45	ug/Kg
1000309-19-6	Sulfurous acid, 2-ethylhexyl tride	180	J		8.57	ug/Kg
000629-50-5	Tridecane	700	J		8.74	ug/Kg
	unknown8.804	160	J		8.80	ug/Kg

Raw Data: **BF140270.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/04/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/05/24
Client Sample ID:	WB-307-SB01	SDG No.:	P4718
Lab Sample ID:	P4718-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	78
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
BF140270.D	1	11/06/24 09:45	11/07/24 13:07	PB164702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
017312-73-1	Undecane, 5,5-dimethyl-	150	J		8.84	ug/Kg
	unknown9.034	230	J		9.03	ug/Kg
013187-99-0	2-Bromo dodecane	190	J		9.11	ug/Kg
001002-43-3	Undecane, 3-methyl-	150	J		9.15	ug/Kg
003891-98-3	Dodecane, 2,6,10-trimethyl-	550	J		9.18	ug/Kg
000629-59-4	Tetradecane	1700	J		9.31	ug/Kg
000629-99-2	Pentacosane	680	J		9.63	ug/Kg
000629-62-9	Pentadecane	730	J		9.84	ug/Kg
006165-40-8	Pentadecane, 7-methyl-	130	J		10.3	ug/Kg
000119-61-9	Benzophenone	380	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	550	J		11.9	ug/Kg
000112-80-1	Oleic Acid	120	J		12.6	ug/Kg
959010-23-2	Trifluoroacetic acid, pentadecyl e	240	J		13.9	ug/Kg

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: **BF140271.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/04/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/05/24
Client Sample ID:	WB-307-SB02	SDG No.:	P4718
Lab Sample ID:	P4718-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	77.6
Sample Wt/Vol:	30.08 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
BF140271.D	1	11/06/24 09:45	11/07/24 13:33	PB164702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	230	UQ	230	420	ug/Kg
108-95-2	Phenol	110	U	110	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	220	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	220	ug/Kg
95-48-7	2-Methylphenol	100	U	100	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	220	ug/Kg
98-86-2	Acetophenone	110	U	110	220	ug/Kg
65794-96-9	3+4-Methylphenols	100	U	100	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51.8	U	51.8	100	ug/Kg
67-72-1	Hexachloroethane	110	U	110	220	ug/Kg
98-95-3	Nitrobenzene	120	U	120	220	ug/Kg
78-59-1	Isophorone	110	U	110	220	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	220	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	220	ug/Kg
120-83-2	2,4-Dichlorophenol	97.0	U	97.0	220	ug/Kg
91-20-3	Naphthalene	110	U	110	220	ug/Kg
106-47-8	4-Chloroaniline	110	UQ	110	220	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	220	ug/Kg
105-60-2	Caprolactam	110	U	110	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	99.6	U	99.6	220	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	UQ	200	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	91.8	U	91.8	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	95.1	U	95.1	220	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	220	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	220	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	220	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	220	ug/Kg

Raw Data: **BF140271.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/04/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/05/24
Client Sample ID:	WB-307-SB02	SDG No.:	P4718
Lab Sample ID:	P4718-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	77.6
Sample Wt/Vol:	30.08 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
BF140271.D	1	11/06/24 09:45	11/07/24 13:33	PB164702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	110	U	110	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	220	ug/Kg
99-09-2	3-Nitroaniline	110	UQ	110	220	ug/Kg
83-32-9	Acenaphthene	100	U	100	220	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	310	420	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	420	ug/Kg
132-64-9	Dibenzofuran	110	U	110	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	220	ug/Kg
84-66-2	Diethylphthalate	100	U	100	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	220	ug/Kg
86-73-7	Fluorene	110	U	110	220	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	100	U	100	220	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	220	ug/Kg
1912-24-9	Atrazine	120	U	120	220	ug/Kg
87-86-5	Pentachlorophenol	99.3	U	99.3	420	ug/Kg
85-01-8	Phenanthrene	110	U	110	220	ug/Kg
120-12-7	Anthracene	110	U	110	220	ug/Kg
86-74-8	Carbazole	100	U	100	220	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	220	ug/Kg
206-44-0	Fluoranthene	110	U	110	220	ug/Kg
129-00-0	Pyrene	110	U	110	220	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	130	U	130	420	ug/Kg
56-55-3	Benzo(a)anthracene	100	U	100	220	ug/Kg
218-01-9	Chrysene	100	U	100	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	220	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	U	100	220	ug/Kg

Raw Data: **BF140271.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/04/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/05/24
Client Sample ID:	WB-307-SB02	SDG No.:	P4718
Lab Sample ID:	P4718-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	77.6
Sample Wt/Vol:	30.08 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
BF140271.D	1	11/06/24 09:45	11/07/24 13:33	PB164702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	110	U	110	220	ug/Kg
50-32-8	Benzo(a)pyrene	120	U	120	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	100	U	100	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	U	100	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	220	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	96.0	U	96.0	220	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	119		30 (18) - 130 (112)	79%	SPK: 150
13127-88-3	Phenol-d6	119		30 (15) - 130 (107)	79%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.5		30 (18) - 130 (107)	78%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.9		30 (20) - 130 (109)	79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	134		30 (10) - 130 (116)	89%	SPK: 150
1718-51-0	Terphenyl-d14	81.5		30 (10) - 130 (105)	81%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	124000	6.875			
1146-65-2	Naphthalene-d8	467000	8.157			
15067-26-2	Acenaphthene-d10	269000	9.91			
1517-22-2	Phenanthrene-d10	500000	11.404			
1719-03-5	Chrysene-d12	297000	14.051			
1520-96-3	Perylene-d12	276000	15.557			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	3500	JB		2.15	ug/Kg
004744-10-9	Propane, 1,1-dimethoxy-	120	J		2.26	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	790	AB		5.09	ug/Kg
000119-61-9	Benzophenone	360	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	460	J		11.9	ug/Kg
959085-66-6	Heptadecyl heptafluorobutyrate	210	J		13.9	ug/Kg

Raw Data: **BF140271.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/04/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/05/24
Client Sample ID:	WB-307-SB02	SDG No.:	P4718
Lab Sample ID:	P4718-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	77.6
Sample Wt/Vol:	30.08 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
BF140271.D	1	11/06/24 09:45	11/07/24 13:33	PB164702

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: **BF140363.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/04/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/05/24
Client Sample ID:	WB-307-SW	SDG No.:	P4718
Lab Sample ID:	P4718-04	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	450 Units: mL	Final Vol:	500 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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140363.D	1	11/09/24 08:38	11/14/24 15:39	PB164846

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.40	UQ	4.40	11.1	ug/L
108-95-2	Phenol	1.00	U	1.00	5.60	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.30	U	1.30	5.60	ug/L
95-57-8	2-Chlorophenol	0.79	U	0.79	5.60	ug/L
95-48-7	2-Methylphenol	1.30	U	1.30	5.60	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.50	U	1.50	5.60	ug/L
98-86-2	Acetophenone	1.20	U	1.20	5.60	ug/L
65794-96-9	3+4-Methylphenols	1.30	U	1.30	11.1	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.60	U	1.60	2.80	ug/L
67-72-1	Hexachloroethane	1.10	U	1.10	5.60	ug/L
98-95-3	Nitrobenzene	1.40	U	1.40	5.60	ug/L
78-59-1	Isophorone	1.30	U	1.30	5.60	ug/L
88-75-5	2-Nitrophenol	2.20	U	2.20	5.60	ug/L
105-67-9	2,4-Dimethylphenol	1.70	U	1.70	5.60	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.10	U	1.10	5.60	ug/L
120-83-2	2,4-Dichlorophenol	0.98	U	0.98	5.60	ug/L
91-20-3	Naphthalene	1.10	U	1.10	5.60	ug/L
106-47-8	4-Chloroaniline	1.40	UQ	1.40	5.60	ug/L
87-68-3	Hexachlorobutadiene	1.40	U	1.40	5.60	ug/L
105-60-2	Caprolactam	1.80	U	1.80	11.1	ug/L
59-50-7	4-Chloro-3-methylphenol	0.93	U	0.93	5.60	ug/L
91-57-6	2-Methylnaphthalene	1.30	U	1.30	5.60	ug/L
77-47-4	Hexachlorocyclopentadiene	5.60	UQ	5.60	11.1	ug/L
88-06-2	2,4,6-Trichlorophenol	0.99	U	0.99	5.60	ug/L
95-95-4	2,4,5-Trichlorophenol	1.10	U	1.10	5.60	ug/L
92-52-4	1,1-Biphenyl	1.00	U	1.00	5.60	ug/L
91-58-7	2-Chloronaphthalene	1.10	U	1.10	5.60	ug/L
88-74-4	2-Nitroaniline	1.60	U	1.60	5.60	ug/L
131-11-3	Dimethylphthalate	1.00	U	1.00	5.60	ug/L

Raw Data: **BF140363.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/04/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/05/24
Client Sample ID:	WB-307-SW	SDG No.:	P4718
Lab Sample ID:	P4718-04	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	450 Units: mL	Final Vol:	500 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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140363.D	1	11/09/24 08:38	11/14/24 15:39	PB164846

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.20	U	1.20	5.60	ug/L
606-20-2	2,6-Dinitrotoluene	1.40	U	1.40	5.60	ug/L
99-09-2	3-Nitroaniline	1.50	UQ	1.50	5.60	ug/L
83-32-9	Acenaphthene	0.90	U	0.90	5.60	ug/L
51-28-5	2,4-Dinitrophenol	7.10	U	7.10	11.1	ug/L
100-02-7	4-Nitrophenol	2.20	U	2.20	11.1	ug/L
132-64-9	Dibenzofuran	1.00	U	1.00	5.60	ug/L
121-14-2	2,4-Dinitrotoluene	1.70	U	1.70	5.60	ug/L
84-66-2	Diethylphthalate	1.20	U	1.20	5.60	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1.10	U	1.10	5.60	ug/L
86-73-7	Fluorene	1.10	U	1.10	5.60	ug/L
100-01-6	4-Nitroaniline	2.30	U	2.30	5.60	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.40	U	3.40	11.1	ug/L
86-30-6	n-Nitrosodiphenylamine	0.99	U	0.99	5.60	ug/L
101-55-3	4-Bromophenyl-phenylether	1.10	U	1.10	5.60	ug/L
118-74-1	Hexachlorobenzene	1.30	U	1.30	5.60	ug/L
1912-24-9	Atrazine	1.40	U	1.40	5.60	ug/L
87-86-5	Pentachlorophenol	2.10	U	2.10	11.1	ug/L
85-01-8	Phenanthrene	0.99	U	0.99	5.60	ug/L
120-12-7	Anthracene	1.20	U	1.20	5.60	ug/L
86-74-8	Carbazole	1.30	U	1.30	5.60	ug/L
84-74-2	Di-n-butylphthalate	1.60	U	1.60	5.60	ug/L
206-44-0	Fluoranthene	1.40	U	1.40	5.60	ug/L
129-00-0	Pyrene	1.20	U	1.20	5.60	ug/L
85-68-7	Butylbenzylphthalate	2.30	U	2.30	5.60	ug/L
91-94-1	3,3-Dichlorobenzidine	1.40	UQ	1.40	11.1	ug/L
56-55-3	Benzo(a)anthracene	1.00	U	1.00	5.60	ug/L
218-01-9	Chrysene	0.96	U	0.96	5.60	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.10	U	2.10	5.60	ug/L
117-84-0	Di-n-octyl phthalate	2.80	U	2.80	11.1	ug/L
205-99-2	Benzo(b)fluoranthene	1.30	U	1.30	5.60	ug/L

Raw Data: **BF140363.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/04/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/05/24
Client Sample ID:	WB-307-SW	SDG No.:	P4718
Lab Sample ID:	P4718-04	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	450 Units: mL	Final Vol:	500 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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140363.D	1	11/09/24 08:38	11/14/24 15:39	PB164846

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.30	U	1.30	5.60	ug/L
50-32-8	Benzo(a)pyrene	1.90	U	1.90	5.60	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.10	U	1.10	5.60	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.30	U	1.30	5.60	ug/L
191-24-2	Benzo(g,h,i)perylene	1.30	U	1.30	5.60	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.20	U	1.20	5.60	ug/L
123-91-1	1,4-Dioxane	1.40	U	1.40	5.60	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.88	U	0.88	5.60	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	35.2		15 (10) - 110 (139)	23%	SPK: 150
13127-88-3	Phenol-d6	30.7		15 (10) - 110 (134)	20%	SPK: 150
4165-60-0	Nitrobenzene-d5	35.6		30 (49) - 130 (133)	36%	SPK: 100
321-60-8	2-Fluorobiphenyl	36.4		30 (52) - 130 (132)	36%	SPK: 100
118-79-6	2,4,6-Tribromophenol	48.6		15 (44) - 110 (137)	32%	SPK: 150
1718-51-0	Terphenyl-d14	39.4		30 (48) - 130 (125)	39%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	137000	6.869			
1146-65-2	Naphthalene-d8	514000	8.151			
15067-26-2	Acenaphthene-d10	281000	9.904			
1517-22-2	Phenanthrene-d10	486000	11.392			
1719-03-5	Chrysene-d12	241000	14.045			
1520-96-3	Perylene-d12	265000	15.562			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	250	JB		2.16	ug/L
000123-86-4	Acetic acid, butyl ester	3.30	J		4.74	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	10.5	AB		5.09	ug/L
000119-61-9	Benzophenone	5.40	J		10.6	ug/L
000057-10-3	n-Hexadecanoic acid	3.30	J		11.9	ug/L

Raw Data: **BF140363.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/04/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/05/24
Client Sample ID:	WB-307-SW	SDG No.:	P4718
Lab Sample ID:	P4718-04	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	450 Units: mL	Final Vol:	500 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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140363.D	1	11/09/24 08:38	11/14/24 15:39	PB164846

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

QC SUMMARY

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

Surrogate Summary

SW-846

SDG No.: P4718

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4718-01	WB-307-SB01	2-Fluorophenol	150	135	90		30 (18)	130 (112)
		Phenol-d6	150	134	90		30 (15)	130 (107)
		Nitrobenzene-d5	100	90.3	90		30 (18)	130 (107)
		2-Fluorobiphenyl	100	82.9	83		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	151	101		30 (10)	130 (116)
		Terphenyl-d14	100	80.7	81		30 (10)	130 (105)
P4718-02	WB-307-SB02	2-Fluorophenol	150	119	79		30 (18)	130 (112)
		Phenol-d6	150	119	79		30 (15)	130 (107)
		Nitrobenzene-d5	100	78.5	78		30 (18)	130 (107)
		2-Fluorobiphenyl	100	78.9	79		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	134	89		30 (10)	130 (116)
		Terphenyl-d14	100	81.5	81		30 (10)	130 (105)
P4718-02MS	WB-307-SB02MS	2-Fluorophenol	150	108	72		30 (18)	130 (112)
		Phenol-d6	150	109	73		30 (15)	130 (107)
		Nitrobenzene-d5	100	71.6	72		30 (18)	130 (107)
		2-Fluorobiphenyl	100	71.9	72		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	121	81		30 (10)	130 (116)
		Terphenyl-d14	100	80.3	80		30 (10)	130 (105)
P4718-02MSD	WB-307-SB02MSD	2-Fluorophenol	150	106	70		30 (18)	130 (112)
		Phenol-d6	150	106	71		30 (15)	130 (107)
		Nitrobenzene-d5	100	69.7	70		30 (18)	130 (107)
		2-Fluorobiphenyl	100	71.3	71		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	121	81		30 (10)	130 (116)
		Terphenyl-d14	100	76.8	77		30 (10)	130 (105)
PB164702BL	PB164702BL	2-Fluorophenol	150	137	91		30 (18)	130 (112)
		Phenol-d6	150	134	89		30 (15)	130 (107)
		Nitrobenzene-d5	100	91.0	91		30 (18)	130 (107)
		2-Fluorobiphenyl	100	91.1	91		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	152	101		30 (10)	130 (116)
		Terphenyl-d14	100	101	101		30 (10)	130 (105)
PB164702BS	PB164702BS	2-Fluorophenol	150	125	83		30 (18)	130 (112)
		Phenol-d6	150	122	82		30 (15)	130 (107)
		Nitrobenzene-d5	100	86.5	86		30 (18)	130 (107)
		2-Fluorobiphenyl	100	86.4	86		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	149	99		30 (10)	130 (116)
		Terphenyl-d14	100	97.3	97		30 (10)	130 (105)

( ) = LABORATORY INHOUSE LIMIT

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

Surrogate Summary

SW-846

SDG No.: P4718

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4718-04	WB-307-SW	2-Fluorophenol	150	35.2	23		15 (10)	110 (139)
		Phenol-d6	150	30.7	20		15 (10)	110 (134)
		Nitrobenzene-d5	100	35.6	36		30 (49)	130 (133)
		2-Fluorobiphenyl	100	36.4	36		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	48.6	32		15 (44)	110 (137)
		Terphenyl-d14	100	39.4	39		30 (48)	130 (125)
PB164846BL	PB164846BL	2-Fluorophenol	150	135	90		15 (10)	110 (139)
		Phenol-d6	150	130	87		15 (10)	110 (134)
		Nitrobenzene-d5	100	92.4	92		30 (49)	130 (133)
		2-Fluorobiphenyl	100	93.6	94		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	135	90		15 (44)	110 (137)
		Terphenyl-d14	100	85.1	85		30 (48)	130 (125)
PB164846BS	PB164846BS	2-Fluorophenol	150	119	79		15 (10)	110 (139)
		Phenol-d6	150	116	77		15 (10)	110 (134)
		Nitrobenzene-d5	100	81.8	82		30 (49)	130 (133)
		2-Fluorobiphenyl	100	83.2	83		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	129	86		15 (44)	110 (137)
		Terphenyl-d14	100	102	102		30 (48)	130 (125)
PB164846BSD	PB164846BSD	2-Fluorophenol	150	126	84		15 (10)	110 (139)
		Phenol-d6	150	121	81		15 (10)	110 (134)
		Nitrobenzene-d5	100	86.0	86		30 (49)	130 (133)
		2-Fluorobiphenyl	100	87.5	88		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	132	88		15 (44)	110 (137)
		Terphenyl-d14	100	99.7	100		30 (48)	130 (125)

( ) = LABORATORY INHOUSE LIMIT

Alliance TECHNICAL GROUP
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.: P4718

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: P4718-02MS		**Client Sample ID: WB-307-SB02MS**						**DataFile: BF140272.D**			
Benzaldehyde	2100	0	440	ug/Kg	21				20 (10)	160 (86)	
Phenol	2100	0	2300	ug/Kg	110				20 (67)	160 (126)	
bis(2-Chloroethyl)ether	2100	0	2200	ug/Kg	105				70 (54)	130 (125)	
2-Chlorophenol	2100	0	2300	ug/Kg	110				70 (79)	130 (107)	
2-Methylphenol	2100	0	2300	ug/Kg	110				70 (66)	130 (122)	
2,2-oxybis(1-Chloropropane)	2100	0	2200	ug/Kg	105				70 (65)	130 (110)	
Acetophenone	2100	0	2100	ug/Kg	100				70 (75)	130 (111)	
3+4-Methylphenols	2100	0	2200	ug/Kg	105				20 (66)	160 (104)	
N-Nitroso-di-n-propylamine	2100	0	2200	ug/Kg	105				70 (59)	130 (119)	
Hexachloroethane	2100	0	2100	ug/Kg	100				20 (65)	160 (117)	
Nitrobenzene	2100	0	2000	ug/Kg	95				70 (70)	130 (119)	
Isophorone	2100	0	2200	ug/Kg	105				70 (76)	130 (122)	
2-Nitrophenol	2100	0	2400	ug/Kg	114				70 (54)	130 (145)	
2,4-Dimethylphenol	2100	0	2700	ug/Kg	129				70 (44)	130 (135)	
bis(2-Chloroethoxy)methane	2100	0	2100	ug/Kg	100				70 (68)	130 (112)	
2,4-Dichlorophenol	2100	0	2200	ug/Kg	105				70 (72)	130 (118)	
Naphthalene	2100	0	2100	ug/Kg	100				70 (72)	130 (110)	
4-Chloroaniline	2100	0	1500	ug/Kg	71				70 (10)	130 (91)	
Hexachlorobutadiene	2100	0	2100	ug/Kg	100				70 (66)	130 (114)	
Caprolactam	2100	0	2400	ug/Kg	114				20 (51)	160 (134)	
4-Chloro-3-methylphenol	2100	0	2200	ug/Kg	105				70 (57)	130 (132)	
2-Methylnaphthalene	2100	0	2200	ug/Kg	105				70 (59)	130 (123)	
Hexachlorocyclopentadiene	4300	0	8500	ug/Kg	198	*			20 (10)	160 (175)	
2,4,6-Trichlorophenol	2100	0	2300	ug/Kg	110				70 (72)	130 (117)	
2,4,5-Trichlorophenol	2100	0	2300	ug/Kg	110				70 (72)	130 (117)	
1,1-Biphenyl	2100	0	2200	ug/Kg	105				70 (75)	130 (113)	
2-Chloronaphthalene	2100	0	2100	ug/Kg	100				70 (67)	130 (118)	
2-Nitroaniline	2100	0	2300	ug/Kg	110				70 (69)	130 (127)	
Dimethylphthalate	2100	0	2300	ug/Kg	110				70 (70)	130 (113)	
Acenaphthylene	2100	0	2400	ug/Kg	114				70 (79)	130 (118)	
2,6-Dinitrotoluene	2100	0	2200	ug/Kg	105				70 (70)	130 (125)	
3-Nitroaniline	2100	0	1800	ug/Kg	86				70 (30)	130 (99)	
Acenaphthene	2100	0	2500	ug/Kg	119				70 (70)	130 (121)	
2,4-Dinitrophenol	4300	0	4900	ug/Kg	114				20 (10)	160 (155)	
4-Nitrophenol	4300	0	5300	ug/Kg	123				20 (45)	160 (133)	
Dibenzofuran	2100	0	2300	ug/Kg	110				70 (72)	130 (110)	
2,4-Dinitrotoluene	2100	0	2400	ug/Kg	114				70 (55)	130 (128)	
Diethylphthalate	2100	0	2300	ug/Kg	110				70 (70)	130 (112)	
4-Chlorophenyl-phenylether	2100	0	2200	ug/Kg	105				70 (71)	130 (108)	
Fluorene	2100	0	2200	ug/Kg	105				70 (68)	130 (116)	
4-Nitroaniline	2100	0	2400	ug/Kg	114				70 (55)	130 (120)	
4,6-Dinitro-2-methylphenol	2100	0	2600	ug/Kg	124				70 (10)	130 (160)	
N-Nitrosodiphenylamine	2100	0	2200	ug/Kg	105				70 (73)	130 (118)	
4-Bromophenyl-phenylether	2100	0	2200	ug/Kg	105				70 (65)	130 (121)	
Hexachlorobenzene	2100	0	2200	ug/Kg	105				70 (67)	130 (118)	
Atrazine	2100	0	3000	ug/Kg	143	*			70 (79)	130 (127)	

( ) = 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.: P4718

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	4300	0	4800	ug/Kg	112				20 (47)	160 (128)	
Phenanthrene	2100	0	2200	ug/Kg	105				70 (52)	130 (128)	
Anthracene	2100	0	2300	ug/Kg	110				70 (62)	130 (124)	
Carbazole	2100	0	2200	ug/Kg	105				70 (59)	130 (119)	
Di-n-butylphthalate	2100	0	2300	ug/Kg	110				70 (69)	130 (118)	
Fluoranthene	2100	0	2100	ug/Kg	100				70 (44)	130 (125)	
Pyrene	2100	0	2400	ug/Kg	114				70 (26)	130 (142)	
Butylbenzylphthalate	2100	0	2500	ug/Kg	119				70 (64)	130 (126)	
3,3-Dichlorobenzidine	2100	0	2000	ug/Kg	95				70 (33)	130 (116)	
Benzo(a)anthracene	2100	0	2300	ug/Kg	110				70 (71)	130 (114)	
Chrysene	2100	0	2300	ug/Kg	110				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	2100	0	2300	ug/Kg	110				70 (42)	130 (169)	
Di-n-octyl phthalate	2100	0	2300	ug/Kg	110				70 (23)	130 (175)	
Benzo(b)fluoranthene	2100	0	2400	ug/Kg	114				70 (67)	130 (121)	
Benzo(k)fluoranthene	2100	0	2100	ug/Kg	100				70 (57)	130 (134)	
Benzo(a)pyrene	2100	0	2500	ug/Kg	119				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	2100	0	2100	ug/Kg	100				70 (40)	130 (129)	
Dibenz(a,h)anthracene	2100	0	2100	ug/Kg	100				70 (43)	130 (123)	
Benzo(g,h,i)perylene	2100	0	1800	ug/Kg	86				70 (24)	130 (125)	
1,2,4,5-Tetrachlorobenzene	2100	0	2200	ug/Kg	105				70 (69)	130 (124)	
1,4-Dioxane	2100	0	2000	ug/Kg	95				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	2100	0	2500	ug/Kg	119				70 (69)	130 (112)	

( ) = 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.: P4718

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: P4718-02MSD		**Client Sample ID: WB-307-SB02MSD**						**DataFile: BF140273.D**			
Benzaldehyde	2100	0	440	ug/Kg	21		0		20 (10)	160 (86)	30 (20)
Phenol	2100	0	2200	ug/Kg	105		5		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	2100	0	2200	ug/Kg	105		0		70 (54)	130 (125)	30 (20)
2-Chlorophenol	2100	0	2300	ug/Kg	110		0		70 (79)	130 (107)	30 (20)
2-Methylphenol	2100	0	2200	ug/Kg	105		5		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	2100	0	2100	ug/Kg	100		5		70 (65)	130 (110)	30 (20)
Acetophenone	2100	0	2100	ug/Kg	100		0		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	2100	0	2200	ug/Kg	105		0		20 (66)	160 (104)	30 (20)
N-Nitroso-di-n-propylamine	2100	0	2100	ug/Kg	100		5		70 (59)	130 (119)	30 (20)
Hexachloroethane	2100	0	2100	ug/Kg	100		0		20 (65)	160 (117)	30 (20)
Nitrobenzene	2100	0	2000	ug/Kg	95		0		70 (70)	130 (119)	30 (20)
Isophorone	2100	0	2100	ug/Kg	100		5		70 (76)	130 (122)	30 (20)
2-Nitrophenol	2100	0	2300	ug/Kg	110		4		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	2100	0	2600	ug/Kg	124		4		70 (44)	130 (135)	30 (20)
bis(2-Chloroethoxy)methane	2100	0	2100	ug/Kg	100		0		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	2100	0	2200	ug/Kg	105		0		70 (72)	130 (118)	30 (20)
Naphthalene	2100	0	2100	ug/Kg	100		0		70 (72)	130 (110)	30 (20)
4-Chloroaniline	2100	0	1500	ug/Kg	71		0		70 (10)	130 (91)	30 (20)
Hexachlorobutadiene	2100	0	2000	ug/Kg	95		5		70 (66)	130 (114)	30 (20)
Caprolactam	2100	0	2400	ug/Kg	114		0		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	2100	0	2200	ug/Kg	105		0		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	2100	0	2200	ug/Kg	105		0		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	4300	0	8100	ug/Kg	188	*	5		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	2100	0	2200	ug/Kg	105		5		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	2100	0	2200	ug/Kg	105		5		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	2100	0	2100	ug/Kg	100		5		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	2100	0	2100	ug/Kg	100		0		70 (67)	130 (118)	30 (20)
2-Nitroaniline	2100	0	2200	ug/Kg	105		5		70 (69)	130 (127)	30 (20)
Dimethylphthalate	2100	0	2200	ug/Kg	105		5		70 (70)	130 (113)	30 (20)
Acenaphthylene	2100	0	2300	ug/Kg	110		4		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	2100	0	2200	ug/Kg	105		0		70 (70)	130 (125)	30 (20)
3-Nitroaniline	2100	0	1700	ug/Kg	81		6		70 (30)	130 (99)	30 (20)
Acenaphthene	2100	0	2500	ug/Kg	119		0		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	4300	0	5000	ug/Kg	116		2		20 (10)	160 (155)	30 (20)
4-Nitrophenol	4300	0	5300	ug/Kg	123		0		20 (45)	160 (133)	30 (20)
Dibenzofuran	2100	0	2200	ug/Kg	105		5		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	2100	0	2300	ug/Kg	110		4		70 (55)	130 (128)	30 (20)
Diethylphthalate	2100	0	2200	ug/Kg	105		5		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	2100	0	2100	ug/Kg	100		5		70 (71)	130 (108)	30 (20)
Fluorene	2100	0	2200	ug/Kg	105		0		70 (68)	130 (116)	30 (20)
4-Nitroaniline	2100	0	2300	ug/Kg	110		4		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	2100	0	2500	ug/Kg	119		4		70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	2100	0	2200	ug/Kg	105		0		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	2100	0	2200	ug/Kg	105		0		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	2100	0	2100	ug/Kg	100		5		70 (67)	130 (118)	30 (20)
Atrazine	2100	0	2900	ug/Kg	138	*	4		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.: P4718

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	4300	0	4700	ug/Kg	109		3		20 (47)	160 (128)	30 (20)
Phenanthrene	2100	0	2200	ug/Kg	105		0		70 (52)	130 (128)	30 (20)
Anthracene	2100	0	2300	ug/Kg	110		0		70 (62)	130 (124)	30 (20)
Carbazole	2100	0	2200	ug/Kg	105		0		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	2100	0	2300	ug/Kg	110		0		70 (69)	130 (118)	30 (20)
Fluoranthene	2100	0	2100	ug/Kg	100		0		70 (44)	130 (125)	30 (20)
Pyrene	2100	0	2300	ug/Kg	110		4		70 (26)	130 (142)	30 (20)
Butylbenzylphthalate	2100	0	2400	ug/Kg	114		4		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	2100	0	1900	ug/Kg	90		5		70 (33)	130 (116)	30 (20)
Benzo(a)anthracene	2100	0	2200	ug/Kg	105		5		70 (71)	130 (114)	30 (20)
Chrysene	2100	0	2300	ug/Kg	110		0		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	2100	0	2200	ug/Kg	105		5		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	2100	0	2200	ug/Kg	105		5		70 (23)	130 (175)	30 (20)
Benzo(b)fluoranthene	2100	0	2100	ug/Kg	100		13		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	2100	0	2300	ug/Kg	110		10		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	2100	0	2400	ug/Kg	114		4		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	2100	0	2100	ug/Kg	100		0		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	2100	0	2100	ug/Kg	100		0		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	2100	0	1800	ug/Kg	86		0		70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	2100	0	2100	ug/Kg	100		5		70 (69)	130 (124)	30 (20)
1,4-Dioxane	2100	0	2000	ug/Kg	95		0		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	2100	0	2400	ug/Kg	114		4		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.: P4718

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF140263.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB164702BS	Benzaldehyde	1700	330	ug/Kg	19		*		20 (10)	160 (133)	
	Phenol	1700	1500	ug/Kg	88				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1600	ug/Kg	94				70 (60)	130 (101)	
	2-Chlorophenol	1700	1600	ug/Kg	94				70 (65)	130 (112)	
	2-Methylphenol	1700	1600	ug/Kg	94				70 (61)	130 (108)	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				70 (51)	130 (100)	
	Acetophenone	1700	1500	ug/Kg	88				70 (66)	130 (98)	
	3+4-Methylphenols	1700	1500	ug/Kg	88				20 (58)	160 (111)	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				70 (63)	130 (95)	
	Hexachloroethane	1700	1500	ug/Kg	88				20 (72)	160 (108)	
	Nitrobenzene	1700	1400	ug/Kg	82				70 (57)	130 (101)	
	Isophorone	1700	1600	ug/Kg	94				70 (59)	130 (99)	
	2-Nitrophenol	1700	1700	ug/Kg	100				70 (61)	130 (111)	
	2,4-Dimethylphenol	1700	1900	ug/Kg	112				70 (46)	130 (141)	
	bis(2-Chloroethoxy)methane	1700	1600	ug/Kg	94				70 (66)	130 (97)	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				70 (62)	130 (107)	
	Naphthalene	1700	1500	ug/Kg	88				70 (62)	130 (100)	
	4-Chloroaniline	1700	730	ug/Kg	43		*		70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				70 (53)	130 (98)	
	Caprolactam	1700	1400	ug/Kg	82				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				70 (58)	130 (112)	
	2-Methylnaphthalene	1700	1600	ug/Kg	94				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	6600	ug/Kg	200		*		20 (45)	160 (165)	
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				70 (61)	130 (98)	
	1,1-Biphenyl	1700	1500	ug/Kg	88				70 (57)	130 (103)	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				70 (58)	130 (99)	
	2-Nitroaniline	1700	1600	ug/Kg	94				70 (66)	130 (101)	
	Dimethylphthalate	1700	1600	ug/Kg	94				70 (61)	130 (99)	
	Acenaphthylene	1700	1600	ug/Kg	94				70 (63)	130 (101)	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				70 (61)	130 (104)	
	3-Nitroaniline	1700	960	ug/Kg	56		*		70 (28)	130 (100)	
	Acenaphthene	1700	1700	ug/Kg	100				70 (57)	130 (104)	
	2,4-Dinitrophenol	3300	3100	ug/Kg	94				20 (37)	160 (128)	
	4-Nitrophenol	3300	3500	ug/Kg	106				20 (48)	160 (119)	
	Dibenzofuran	1700	1600	ug/Kg	94				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				70 (60)	130 (106)	
	Diethylphthalate	1700	1600	ug/Kg	94				70 (60)	130 (101)	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				70 (58)	130 (98)	
	Fluorene	1700	1500	ug/Kg	88				70 (61)	130 (101)	
	4-Nitroaniline	1700	1600	ug/Kg	94				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	1700	ug/Kg	100				70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				70 (71)	130 (99)	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				70 (66)	130 (102)	

( ) = 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.: P4718

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF140263.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164702BS	Hexachlorobenzene	1700	1600	ug/Kg	94				70 (64)	130 (98)	
	Atrazine	1700	2100	ug/Kg	124				70 (47)	130 (152)	
	Pentachlorophenol	3300	3300	ug/Kg	100				20 (67)	160 (105)	
	Phenanthrene	1700	1600	ug/Kg	94				70 (59)	130 (103)	
	Anthracene	1700	1600	ug/Kg	94				70 (61)	130 (105)	
	Carbazole	1700	1500	ug/Kg	88				70 (61)	130 (99)	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				70 (58)	130 (104)	
	Fluoranthene	1700	1600	ug/Kg	94				70 (57)	130 (107)	
	Pyrene	1700	1600	ug/Kg	94				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	1800	ug/Kg	106				70 (55)	130 (103)	
	3,3-Dichlorobenzidine	1700	1200	ug/Kg	71				70 (42)	130 (91)	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				70 (60)	130 (102)	
	Chrysene	1700	1600	ug/Kg	94				70 (59)	130 (101)	
	bis(2-Ethylhexyl)phthalate	1700	1700	ug/Kg	100				70 (54)	130 (135)	
	Di-n-octyl phthalate	1700	1800	ug/Kg	106				70 (52)	130 (137)	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1700	ug/Kg	100				70 (63)	130 (103)	
	Indeno(1,2,3-cd)pyrene	1700	1700	ug/Kg	100				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	1500	ug/Kg	88				70 (53)	130 (101)	
	1,4-Dioxane	1700	1200	ug/Kg	71				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1700	ug/Kg	100				70 (59)	130 (108)	

( ) = 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.: P4718

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF140446.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164846BS	Benzaldehyde	50	0	ug/L	0		*		20 (10)	160 (162)	
	Phenol	50	40.0	ug/L	80				20 (66)	160 (118)	
	bis(2-Chloroethyl)ether	50	42.6	ug/L	85				70 (62)	130 (103)	
	2-Chlorophenol	50	43.4	ug/L	87				70 (70)	130 (117)	
	2-Methylphenol	50	41.8	ug/L	84				70 (69)	130 (109)	
	2,2-oxybis(1-Chloropropane)	50	41.0	ug/L	82				70 (65)	130 (100)	
	Acetophenone	50	40.3	ug/L	81				70 (60)	130 (104)	
	3+4-Methylphenols	50	40.3	ug/L	81				20 (67)	160 (106)	
	N-Nitroso-di-n-propylamine	50	40.4	ug/L	81				70 (57)	130 (107)	
	Hexachloroethane	50	41.9	ug/L	84				20 (76)	160 (118)	
	Nitrobenzene	50	39.3	ug/L	79				70 (58)	130 (106)	
	Isophorone	50	41.1	ug/L	82				70 (61)	130 (102)	
	2-Nitrophenol	50	42.9	ug/L	86				70 (70)	130 (115)	
	2,4-Dimethylphenol	50	50.3	ug/L	101				70 (42)	130 (142)	
	bis(2-Chloroethoxy)methane	50	41.0	ug/L	82				70 (58)	130 (109)	
	2,4-Dichlorophenol	50	42.2	ug/L	84				70 (66)	130 (115)	
	Naphthalene	50	40.5	ug/L	81				70 (64)	130 (107)	
	4-Chloroaniline	50	32.4	ug/L	65		*		70 (10)	130 (85)	
	Hexachlorobutadiene	50	40.4	ug/L	81				70 (69)	130 (101)	
	Caprolactam	50	41.6	ug/L	83				20 (58)	160 (128)	
	4-Chloro-3-methylphenol	50	41.8	ug/L	84				70 (65)	130 (114)	
	2-Methylnaphthalene	50	41.1	ug/L	82				70 (64)	130 (107)	
	Hexachlorocyclopentadiene	100	170	ug/L	170		*		20 (36)	160 (160)	
	2,4,6-Trichlorophenol	50	42.2	ug/L	84				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	41.3	ug/L	83				70 (70)	130 (106)	
	1,1-Biphenyl	50	41.5	ug/L	83				70 (72)	130 (98)	
	2-Chloronaphthalene	50	40.8	ug/L	82				70 (59)	130 (106)	
	2-Nitroaniline	50	42.8	ug/L	86				70 (73)	130 (114)	
	Dimethylphthalate	50	43.1	ug/L	86				70 (64)	130 (103)	
	Acenaphthylene	50	44.4	ug/L	89				70 (79)	130 (103)	
	2,6-Dinitrotoluene	50	41.5	ug/L	83				70 (64)	130 (110)	
	3-Nitroaniline	50	33.3	ug/L	67		*		70 (28)	130 (100)	
	Acenaphthene	50	47.2	ug/L	94				70 (59)	130 (113)	
	2,4-Dinitrophenol	100	90.8	ug/L	91				20 (36)	160 (166)	
	4-Nitrophenol	100	82.6	ug/L	83				20 (45)	160 (147)	
	Dibenzofuran	50	42.1	ug/L	84				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	42.2	ug/L	84				70 (60)	130 (115)	
	Diethylphthalate	50	42.3	ug/L	85				70 (63)	130 (105)	
	4-Chlorophenyl-phenylether	50	41.5	ug/L	83				70 (61)	130 (104)	
	Fluorene	50	41.6	ug/L	83				70 (64)	130 (107)	
	4-Nitroaniline	50	40.6	ug/L	81				70 (55)	130 (125)	
	4,6-Dinitro-2-methylphenol	50	48.2	ug/L	96				70 (62)	130 (132)	
	N-Nitrosodiphenylamine	50	43.8	ug/L	88				70 (61)	130 (109)	
	4-Bromophenyl-phenylether	50	43.4	ug/L	87				70 (73)	130 (103)	

( ) = 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.: P4718

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF140446.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB164846BS	Hexachlorobenzene	50	43.7	ug/L	87				70 (73)	130 (106)	
	Atrazine	50	36.8	ug/L	74				70 (76)	130 (120)	
	Pentachlorophenol	100	84.8	ug/L	85				20 (47)	160 (114)	
	Phenanthrene	50	43.3	ug/L	87				70 (62)	130 (109)	
	Anthracene	50	45.3	ug/L	91				70 (65)	130 (110)	
	Carbazole	50	42.1	ug/L	84				70 (62)	130 (106)	
	Di-n-butylphthalate	50	44.0	ug/L	88				70 (64)	130 (106)	
	Fluoranthene	50	41.3	ug/L	83				70 (64)	130 (110)	
	Pyrene	50	49.1	ug/L	98				70 (71)	130 (103)	
	Butylbenzylphthalate	50	50.2	ug/L	100				70 (61)	130 (105)	
	3,3-Dichlorobenzidine	50	38.4	ug/L	77				70 (43)	130 (108)	
	Benzo(a)anthracene	50	45.2	ug/L	90				70 (62)	130 (107)	
	Chrysene	50	44.6	ug/L	89				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	48.6	ug/L	97				70 (59)	130 (110)	
	Di-n-octyl phthalate	50	45.1	ug/L	90				70 (52)	130 (139)	
	Benzo(b)fluoranthene	50	40.7	ug/L	81				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	41.3	ug/L	83				70 (77)	130 (105)	
	Benzo(a)pyrene	50	47.0	ug/L	94				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	50.0	ug/L	100				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	49.5	ug/L	99				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	44.8	ug/L	90				70 (75)	130 (118)	
	1,2,4,5-Tetrachlorobenzene	50	42.0	ug/L	84				70 (72)	130 (101)	
	1,4-Dioxane	50	34.4	ug/L	69				20 (38)	160 (125)	
	2,3,4,6-Tetrachlorophenol	50	45.4	ug/L	91				70 (63)	130 (116)	

( ) = LABORATORY INHOUSE LIMIT

Alliance TECHNICAL GROUP
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.: P4718

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF140447.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB164846BSD	Benzaldehyde	50	7.20	ug/L	14	200	*	*	20 (10)	160 (162)	20 (20)
	Phenol	50	43.3	ug/L	87	8			20 (66)	160 (118)	20 (20)
	bis(2-Chloroethyl)ether	50	45.8	ug/L	92	7			70 (62)	130 (103)	20 (20)
	2-Chlorophenol	50	46.9	ug/L	94	8			70 (70)	130 (117)	20 (20)
	2-Methylphenol	50	45.5	ug/L	91	8			70 (69)	130 (109)	20 (20)
	2,2-oxybis(1-Chloropropane)	50	44.4	ug/L	89	8			70 (65)	130 (100)	20 (20)
	Acetophenone	50	43.9	ug/L	88	9			70 (60)	130 (104)	20 (20)
	3+4-Methylphenols	50	45.0	ug/L	90	11			20 (67)	160 (106)	20 (20)
	N-Nitroso-di-n-propylamine	50	44.3	ug/L	89	9			70 (57)	130 (107)	20 (20)
	Hexachloroethane	50	44.8	ug/L	90	7			20 (76)	160 (118)	20 (20)
	Nitrobenzene	50	42.9	ug/L	86	9			70 (58)	130 (106)	20 (20)
	Isophorone	50	44.8	ug/L	90	9			70 (61)	130 (102)	20 (20)
	2-Nitrophenol	50	46.9	ug/L	94	9			70 (70)	130 (115)	20 (20)
	2,4-Dimethylphenol	50	54.8	ug/L	110	9			70 (42)	130 (142)	20 (20)
	bis(2-Chloroethoxy)methane	50	45.0	ug/L	90	9			70 (58)	130 (109)	20 (20)
	2,4-Dichlorophenol	50	45.5	ug/L	91	8			70 (66)	130 (115)	20 (20)
	Naphthalene	50	43.9	ug/L	88	8			70 (64)	130 (107)	20 (20)
	4-Chloroaniline	50	22.3	ug/L	45	37	*	*	70 (10)	130 (85)	20 (20)
	Hexachlorobutadiene	50	43.7	ug/L	87	8			70 (69)	130 (101)	20 (20)
	Caprolactam	50	43.8	ug/L	88	5			20 (58)	160 (128)	20 (20)
	4-Chloro-3-methylphenol	50	44.8	ug/L	90	7			70 (65)	130 (114)	20 (20)
	2-Methylnaphthalene	50	44.8	ug/L	90	9			70 (64)	130 (107)	20 (20)
	Hexachlorocyclopentadiene	100	180	ug/L	180	6	*		20 (36)	160 (160)	20 (20)
	2,4,6-Trichlorophenol	50	45.8	ug/L	92	8			70 (61)	130 (110)	20 (20)
	2,4,5-Trichlorophenol	50	44.3	ug/L	89	7			70 (70)	130 (106)	20 (20)
	1,1-Biphenyl	50	45.0	ug/L	90	8			70 (72)	130 (98)	20 (20)
	2-Chloronaphthalene	50	44.1	ug/L	88	8			70 (59)	130 (106)	20 (20)
	2-Nitroaniline	50	45.2	ug/L	90	5			70 (73)	130 (114)	20 (20)
	Dimethylphthalate	50	46.0	ug/L	92	7			70 (64)	130 (103)	20 (20)
	Acenaphthylene	50	48.2	ug/L	96	8			70 (79)	130 (103)	20 (20)
	2,6-Dinitrotoluene	50	43.2	ug/L	86	4			70 (64)	130 (110)	20 (20)
	3-Nitroaniline	50	28.4	ug/L	57	16	*		70 (28)	130 (100)	20 (20)
	Acenaphthene	50	51.0	ug/L	102	8			70 (59)	130 (113)	20 (20)
	2,4-Dinitrophenol	100	97.0	ug/L	97	7			20 (36)	160 (166)	20 (20)
	4-Nitrophenol	100	87.7	ug/L	88	6			20 (45)	160 (147)	20 (20)
	Dibenzofuran	50	45.4	ug/L	91	8			70 (65)	130 (106)	20 (20)
	2,4-Dinitrotoluene	50	45.6	ug/L	91	8			70 (60)	130 (115)	20 (20)
	Diethylphthalate	50	45.3	ug/L	91	7			70 (63)	130 (105)	20 (20)
	4-Chlorophenyl-phenylether	50	44.6	ug/L	89	7			70 (61)	130 (104)	20 (20)
	Fluorene	50	44.4	ug/L	89	7			70 (64)	130 (107)	20 (20)
	4-Nitroaniline	50	43.8	ug/L	88	8			70 (55)	130 (125)	20 (20)
	4,6-Dinitro-2-methylphenol	50	50.4	ug/L	101	4			70 (62)	130 (132)	20 (20)
	N-Nitrosodiphenylamine	50	45.9	ug/L	92	5			70 (61)	130 (109)	20 (20)
	4-Bromophenyl-phenylether	50	45.1	ug/L	90	4			70 (73)	130 (103)	20 (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.: P4718

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF140447.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB164846BSD	Hexachlorobenzene	50	45.4	ug/L	91	4			70 (73)	130 (106)	20 (20)
	Atrazine	50	51.5	ug/L	103	33		*	70 (76)	130 (120)	20 (20)
	Pentachlorophenol	100	87.7	ug/L	88	3			20 (47)	160 (114)	20 (20)
	Phenanthrene	50	45.9	ug/L	92	6			70 (62)	130 (109)	20 (20)
	Anthracene	50	47.8	ug/L	96	5			70 (65)	130 (110)	20 (20)
	Carbazole	50	44.7	ug/L	89	6			70 (62)	130 (106)	20 (20)
	Di-n-butylphthalate	50	46.1	ug/L	92	5			70 (64)	130 (106)	20 (20)
	Fluoranthene	50	44.4	ug/L	89	7			70 (64)	130 (110)	20 (20)
	Pyrene	50	49.3	ug/L	99	0			70 (71)	130 (103)	20 (20)
	Butylbenzylphthalate	50	51.6	ug/L	103	3			70 (61)	130 (105)	20 (20)
	3,3-Dichlorobenzidine	50	30.8	ug/L	62	22	*	*	70 (43)	130 (108)	20 (20)
	Benzo(a)anthracene	50	46.6	ug/L	93	3			70 (62)	130 (107)	20 (20)
	Chrysene	50	47.4	ug/L	95	6			70 (61)	130 (108)	20 (20)
	bis(2-Ethylhexyl)phthalate	50	50.2	ug/L	100	3			70 (59)	130 (110)	20 (20)
	Di-n-octyl phthalate	50	47.9	ug/L	96	6			70 (52)	130 (139)	20 (20)
	Benzo(b)fluoranthene	50	40.2	ug/L	80	1			70 (77)	130 (113)	20 (20)
	Benzo(k)fluoranthene	50	49.2	ug/L	98	17			70 (77)	130 (105)	20 (20)
	Benzo(a)pyrene	50	49.9	ug/L	100	6			70 (72)	130 (131)	20 (20)
	Indeno(1,2,3-cd)pyrene	50	52.0	ug/L	104	4			70 (72)	130 (105)	20 (20)
	Dibenz(a,h)anthracene	50	51.3	ug/L	103	4			70 (78)	130 (115)	20 (20)
	Benzo(g,h,i)perylene	50	46.8	ug/L	94	4			70 (75)	130 (118)	20 (20)
	1,2,4,5-Tetrachlorobenzene	50	45.4	ug/L	91	8			70 (72)	130 (101)	20 (20)
	1,4-Dioxane	50	38.4	ug/L	77	11			20 (38)	160 (125)	20 (20)
	2,3,4,6-Tetrachlorophenol	50	47.7	ug/L	95	5			70 (63)	130 (116)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164702BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Lab File ID: BF140262.D Lab Sample ID: PB164702BL

Instrument ID: BNA_F Date Extracted: 11/06/2024

Matrix: (soil/water) SOIL Date Analyzed: 11/07/2024

Level: (low/med) LOW Time Analyzed: 09:28

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB164702BS	PB164702BS	BF140263.D	11/07/2024
WB-307-SB02MS	P4718-02MS	BF140272.D	11/07/2024
WB-307-SB02MSD	P4718-02MSD	BF140273.D	11/07/2024
WB-307-SB01	P4718-01	BF140270.D	11/07/2024
WB-307-SB02	P4718-02	BF140271.D	11/07/2024

COMMENTS:

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164846BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

Lab File ID: BF140367.D Lab Sample ID: PB164846BL

Instrument ID: BNA_F Date Extracted: 11/09/2024

Matrix: (soil/water) Water Date Analyzed: 11/14/2024

Level: (low/med) LOW Time Analyzed: 17:28

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB164846BS	PB164846BS	BF140446.D	11/18/2024
PB164846BSD	PB164846BSD	BF140447.D	11/18/2024
WB-307-SW	P4718-04	BF140363.D	11/14/2024

COMMENTS:

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P4718 SDG NO.: P4718

Lab File ID: BF140230.D DFTPP Injection Date: 11/05/2024

Instrument ID: BNA_F DFTPP Injection Time: 11:56

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.4
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	36.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	45.5
197	Less than 2.0% of mass 198	0.7
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	27.8
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	15.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (19) 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	BF140231.D	11/05/2024	12:26
SSTDICC005	SSTDICC005	BF140232.D	11/05/2024	12:52
SSTDICC010	SSTDICC010	BF140233.D	11/05/2024	13:18
SSTDICC020	SSTDICC020	BF140234.D	11/05/2024	13:45
SSTDICCC040	SSTDICCC040	BF140235.D	11/05/2024	14:11
SSTDICC050	SSTDICC050	BF140236.D	11/05/2024	14:37
SSTDICC060	SSTDICC060	BF140237.D	11/05/2024	15:03
SSTDICC080	SSTDICC080	BF140238.D	11/05/2024	15:30

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P4718 SDG NO.: P4718

Lab File ID: BF140260.D DFTPP Injection Date: 11/07/2024

Instrument ID: BNA_F DFTPP Injection Time: 08:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	35.9
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	35.3
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	44.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	28.1
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	15.1
442	Greater than 50% of mass 198	98.8
443	15.0 - 24.0% of mass 442	19.4 (19.6) 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	BF140261.D	11/07/2024	08:59
PB164702BL	PB164702BL	BF140262.D	11/07/2024	09:28
PB164702BS	PB164702BS	BF140263.D	11/07/2024	09:54
WB-307-SB01	P4718-01	BF140270.D	11/07/2024	13:07
WB-307-SB02	P4718-02	BF140271.D	11/07/2024	13:33
WB-307-SB02MS	P4718-02MS	BF140272.D	11/07/2024	14:00
WB-307-SB02MSD	P4718-02MSD	BF140273.D	11/07/2024	14:27

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P4718 SDG NO.: P4718

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

Instrument ID: BNA_F DFTPP Injection Time: 08:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.9
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	38
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	28.3
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	14
442	Greater than 50% of mass 198	88.6
443	15.0 - 24.0% of mass 442	16.7 (18.8) 2

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

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

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

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P4718 SDG NO.: P4718

Lab File ID: BF140350.D DFTPP Injection Date: 11/14/2024

Instrument ID: BNA_F DFTPP Injection Time: 08:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.6
68	Less than 2.0% of mass 69	0.7 (1.7) 1
69	Mass 69 relative abundance	38.3
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	48.5
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	27.6
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	13.9
442	Greater than 50% of mass 198	88.9
443	15.0 - 24.0% of mass 442	16 (18) 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	BF140351.D	11/14/2024	09:42
WB-307-SW	P4718-04	BF140363.D	11/14/2024	15:39

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P4718 SDG NO.: P4718

Lab File ID: BF140365.D DFTPP Injection Date: 11/14/2024

Instrument ID: BNA_F DFTPP Injection Time: 16:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.3
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	39.7
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	48.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	28.2
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	12.8
442	Greater than 50% of mass 198	82.7
443	15.0 - 24.0% of mass 442	15.3 (18.4) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF140366.D	11/14/2024	17:02
PB164846BL	PB164846BL	BF140367.D	11/14/2024	17:28

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P4718 SDG NO.: P4718

Lab File ID: BF140442.D DFTPP Injection Date: 11/18/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:18

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	35.3
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	36.9
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	48.2
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	28.7
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	97.5
443	15.0 - 24.0% of mass 442	18.1 (18.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF140443.D	11/18/2024	10:13
PB164846BS	PB164846BS	BF140446.D	11/18/2024	11:32
PB164846BSD	PB164846BSD	BF140447.D	11/18/2024	11:58

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/07/2024

Lab File ID: BF140261.D Time Analyzed: 08:59

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	194677	6.881	715714	8.16	419359	9.92
	UPPER LIMIT	389354	7.381	1431430	8.663	838718	10.422
	LOWER LIMIT	97338.5	6.381	357857	7.663	209680	9.422
	EPA SAMPLE NO.						
01	WB-307-SB01	127578	6.88	477012	8.16	268251	9.92
02	WB-307-SB02	123660	6.88	467420	8.16	268928	9.91
03	WB-307-SB02MS	123564	6.88	474391	8.16	274410	9.92
04	WB-307-SB02MSD	124801	6.88	475239	8.16	277394	9.92
05	PB164702BL	166392	6.88	650819	8.16	391148	9.92
06	PB164702BS	189444	6.88	717811	8.16	420554	9.92

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

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

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

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/07/2024

Lab File ID: BF140261.D Time Analyzed: 08:59

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	752975	11.41	445081	14.069	403199	15.574
	UPPER LIMIT	1505950	11.91	890162	14.569	806398	16.074
	LOWER LIMIT	376488	10.91	222541	13.569	201600	15.074
	EPA SAMPLE NO.						
01	WB-307-SB01	494200	11.40	284643	14.05	292875	15.56
02	WB-307-SB02	499705	11.40	296704	14.05	275946	15.56
03	WB-307-SB02MS	511867	11.41	275517	14.06	287359	15.58
04	WB-307-SB02MSD	516198	11.41	284018	14.07	293574	15.59
05	PB164702BL	728833	11.40	449594	14.06	367483	15.57
06	PB164702BS	766202	11.41	449132	14.06	405153	15.56

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.

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/14/2024

Lab File ID: BF140351.D Time Analyzed: 09:42

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	138532	6.881	520272	8.16	291630	9.92
	UPPER LIMIT	277064	7.381	1040540	8.657	583260	10.416
	LOWER LIMIT	69266	6.381	260136	7.657	145815	9.416
	EPA SAMPLE NO.						
01	WB-307-SW	137046	6.87	514015	8.15	280819	9.90

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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/14/2024

Lab File ID: BF140351.D Time Analyzed: 09:42

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	549011	11.404	316250	14.057	275847	15.557
	UPPER LIMIT	1098020	11.904	632500	14.557	551694	16.057
	LOWER LIMIT	274506	10.904	158125	13.557	137924	15.057
	EPA SAMPLE NO.						
01	WB-307-SW	486241	11.39	241422	14.05	265329	15.56

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.

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/14/2024

Lab File ID: BF140366.D Time Analyzed: 17:02

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	130579	6.875	484942	8.16	265027	9.91
	UPPER LIMIT	261158	7.375	969884	8.657	530054	10.41
	LOWER LIMIT	65289.5	6.375	242471	7.657	132514	9.41
	EPA SAMPLE NO.						
01	PB164846BL	127444	6.87	481597	8.15	267971	9.90

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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/14/2024

Lab File ID: BF140366.D Time Analyzed: 17:02

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	494420	11.398	287889	14.062	258896	15.592
	UPPER LIMIT	988840	11.898	575778	14.562	517792	16.092
	LOWER LIMIT	247210	10.898	143945	13.562	129448	15.092
	EPA SAMPLE NO.						
01	PB164846BL	519861	11.39	353605	14.06	317877	15.59

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.

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/18/2024

Lab File ID: BF140443.D Time Analyzed: 10:13

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	140634	6.875	521097	8.16	286394	9.92
	UPPER LIMIT	281268	7.375	1042190	8.657	572788	10.416
	LOWER LIMIT	70317	6.375	260549	7.657	143197	9.416
	EPA SAMPLE NO.						
01	PB164846BS	165160	6.88	638782	8.16	347317	9.92
02	PB164846BSD	145420	6.88	559684	8.16	308958	9.92

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

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

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

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG NO.: P4718

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/18/2024

Lab File ID: BF140443.D Time Analyzed: 10:13

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	525142	11.404	270046	14.074	249102	15.604
	UPPER LIMIT	1050280	11.904	540092	14.574	498204	16.104
	LOWER LIMIT	262571	10.904	135023	13.574	124551	15.104
	EPA SAMPLE NO.						
01	PB164846BS	636734	11.40	331814	14.06	309689	15.56
02	PB164846BSD	581243	11.40	325114	14.05	284093	15.55

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

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

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

QC SAMPLE DATA

Raw Data: **BF140262.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 2024	Date Received:	
Client Sample ID:	PB164702BL	SDG No.:	P4718
Lab Sample ID:	PB164702BL	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
BF140262.D	1	11/06/24 09:45	11/07/24 09:28	PB164702

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

Raw Data: **BF140262.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 2024	Date Received:	
Client Sample ID:	PB164702BL	SDG No.:	P4718
Lab Sample ID:	PB164702BL	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
BF140262.D	1	11/06/24 09:45	11/07/24 09:28	PB164702

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

Raw Data: **BF140262.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 2024	Date Received:	
Client Sample ID:	PB164702BL	SDG No.:	P4718
Lab Sample ID:	PB164702BL	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
BF140262.D	1	11/06/24 09:45	11/07/24 09:28	PB164702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.0	U	78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.0	U	80.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.6	U	74.6	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	137		30 (18) - 130 (112)	91%	SPK: 150
13127-88-3	Phenol-d6	134		30 (15) - 130 (107)	89%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.0		30 (18) - 130 (107)	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	91.1		30 (20) - 130 (109)	91%	SPK: 100
118-79-6	2,4,6-Tribromophenol	152		30 (10) - 130 (116)	101%	SPK: 150
1718-51-0	Terphenyl-d14	101		30 (10) - 130 (105)	101%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	166000	6.875			
1146-65-2	Naphthalene-d8	651000	8.157			
15067-26-2	Acenaphthene-d10	391000	9.916			
1517-22-2	Phenanthrene-d10	729000	11.404			
1719-03-5	Chrysene-d12	450000	14.057			
1520-96-3	Perylene-d12	367000	15.568			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	86.2	J		2.29	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	350	A		5.13	ug/Kg

Raw Data: **BF140262.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 2024	Date Received:	
Client Sample ID:	PB164702BL	SDG No.:	P4718
Lab Sample ID:	PB164702BL	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
BF140262.D	1	11/06/24 09:45	11/07/24 09:28	PB164702

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: **BF140367.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 2024	Date Received:	
Client Sample ID:	PB164846BL	SDG No.:	P4718
Lab Sample ID:	PB164846BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140367.D	1	11/09/24 08:38	11/14/24 17:28	PB164846

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	U	4.00	10.0	ug/L
108-95-2	Phenol	0.93	U	0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.20	U	1.20	5.00	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.40	U	1.40	5.00	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.50	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
78-59-1	Isophorone	1.10	U	1.10	5.00	ug/L
88-75-5	2-Nitrophenol	2.00	U	2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.50	U	1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
106-47-8	4-Chloroaniline	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
105-60-2	Caprolactam	1.70	U	1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	1.10	U	1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	5.00	U	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	5.00	ug/L
88-74-4	2-Nitroaniline	1.40	U	1.40	5.00	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	5.00	ug/L

Raw Data: **BF140367.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 2024	Date Received:	
Client Sample ID:	PB164846BL	SDG No.:	P4718
Lab Sample ID:	PB164846BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140367.D	1	11/09/24 08:38	11/14/24 17:28	PB164846

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.00	U	1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
99-09-2	3-Nitroaniline	1.40	U	1.40	5.00	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.40	U	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	2.00	U	2.00	10.0	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
84-66-2	Diethylphthalate	1.00	U	1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	5.00	ug/L
86-73-7	Fluorene	0.96	U	0.96	5.00	ug/L
100-01-6	4-Nitroaniline	2.00	U	2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.10	U	3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
1912-24-9	Atrazine	1.30	U	1.30	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	5.00	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.00	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.00	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.00	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	2.10	U	2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	1.30	U	1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	5.00	ug/L
218-01-9	Chrysene	0.86	U	0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.50	U	2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	1.10	U	1.10	5.00	ug/L

Raw Data: **BF140367.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 2024	Date Received:	
Client Sample ID:	PB164846BL	SDG No.:	P4718
Lab Sample ID:	PB164846BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140367.D	1	11/09/24 08:38	11/14/24 17:28	PB164846

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	U	1.10	5.00	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	135		15 (10) - 110 (139)	90%	SPK: 150
13127-88-3	Phenol-d6	130		15 (10) - 110 (134)	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	92.4		30 (49) - 130 (133)	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.6		30 (52) - 130 (132)	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	135		15 (44) - 110 (137)	90%	SPK: 150
1718-51-0	Terphenyl-d14	85.1		30 (48) - 130 (125)	85%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	127000	6.869			
1146-65-2	Naphthalene-d8	482000	8.151			
15067-26-2	Acenaphthene-d10	268000	9.904			
1517-22-2	Phenanthrene-d10	520000	11.392			
1719-03-5	Chrysene-d12	354000	14.057			
1520-96-3	Perylene-d12	318000	15.586			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	3.60	J		2.22	ug/L
004744-10-9	Propane, 1,1-dimethoxy-	2.90	J		2.33	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	5.80	A		5.12	ug/L

Raw Data: **BF140367.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 2024	Date Received:	
Client Sample ID:	PB164846BL	SDG No.:	P4718
Lab Sample ID:	PB164846BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140367.D	1	11/09/24 08:38	11/14/24 17:28	PB164846

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Raw Data: **BF140263.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 2024	Date Received:	
Client Sample ID:	PB164702BS	SDG No.:	P4718
Lab Sample ID:	PB164702BS	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
BF140263.D	1	11/06/24 09:45	11/07/24 09:54	PB164702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	330		180	330	ug/Kg
108-95-2	Phenol	1500		82.9	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		83.7	170	ug/Kg
95-57-8	2-Chlorophenol	1600		83.5	170	ug/Kg
95-48-7	2-Methylphenol	1600		80.6	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		90.9	170	ug/Kg
98-86-2	Acetophenone	1500		86.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		79.8	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		40.3	80.0	ug/Kg
67-72-1	Hexachloroethane	1500		83.0	170	ug/Kg
98-95-3	Nitrobenzene	1400		90.8	170	ug/Kg
78-59-1	Isophorone	1600		84.6	170	ug/Kg
88-75-5	2-Nitrophenol	1700		94.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1900		93.2	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		85.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		75.5	170	ug/Kg
91-20-3	Naphthalene	1500		82.6	170	ug/Kg
106-47-8	4-Chloroaniline	730		82.6	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		83.3	170	ug/Kg
105-60-2	Caprolactam	1400		86.8	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		77.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	1600		82.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6600	E	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		74.0	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		87.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		83.3	170	ug/Kg
88-74-4	2-Nitroaniline	1600		95.0	170	ug/Kg
131-11-3	Dimethylphthalate	1600		81.7	170	ug/Kg

Raw Data: **BF140263.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 2024	Date Received:	
Client Sample ID:	PB164702BS	SDG No.:	P4718
Lab Sample ID:	PB164702BS	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
BF140263.D	1	11/06/24 09:45	11/07/24 09:54	PB164702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1600		86.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		83.2	170	ug/Kg
99-09-2	3-Nitroaniline	960		89.2	170	ug/Kg
83-32-9	Acenaphthene	1700		81.1	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3100	E	240	330	ug/Kg
100-02-7	4-Nitrophenol	3500	E	120	330	ug/Kg
132-64-9	Dibenzofuran	1600		84.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		86.2	170	ug/Kg
84-66-2	Diethylphthalate	1600		80.1	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		85.6	170	ug/Kg
86-73-7	Fluorene	1500		85.5	170	ug/Kg
100-01-6	4-Nitroaniline	1600		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		81.6	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		78.9	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		85.0	170	ug/Kg
1912-24-9	Atrazine	2100		91.4	170	ug/Kg
87-86-5	Pentachlorophenol	3300	E	77.3	330	ug/Kg
85-01-8	Phenanthrene	1600		84.0	170	ug/Kg
120-12-7	Anthracene	1600		84.4	170	ug/Kg
86-74-8	Carbazole	1500		80.3	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		84.3	170	ug/Kg
206-44-0	Fluoranthene	1600		81.7	170	ug/Kg
129-00-0	Pyrene	1600		83.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1800		96.8	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		98.6	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.7	170	ug/Kg
218-01-9	Chrysene	1600		79.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		91.0	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		81.1	170	ug/Kg

Raw Data: **BF140263.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 2024	Date Received:	
Client Sample ID:	PB164702BS	SDG No.:	P4718
Lab Sample ID:	PB164702BS	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
BF140263.D	1	11/06/24 09:45	11/07/24 09:54	PB164702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1600		82.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	1700		93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		78.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		81.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		80.1	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		86.8	170	ug/Kg
123-91-1	1,4-Dioxane	1200		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	125		30 (18) - 130 (112)	83%	SPK: 150
13127-88-3	Phenol-d6	122		30 (15) - 130 (107)	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.5		30 (18) - 130 (107)	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	86.4		30 (20) - 130 (109)	86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	149		30 (10) - 130 (116)	99%	SPK: 150
1718-51-0	Terphenyl-d14	97.3		30 (10) - 130 (105)	97%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	189000	6.881			
1146-65-2	Naphthalene-d8	718000	8.157			
15067-26-2	Acenaphthene-d10	421000	9.922			
1517-22-2	Phenanthrene-d10	766000	11.41			
1719-03-5	Chrysene-d12	449000	14.063			
1520-96-3	Perylene-d12	405000	15.563			

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: **BF140446.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 2024	Date Received:	
Client Sample ID:	PB164846BS	SDG No.:	P4718
Lab Sample ID:	PB164846BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140446.D	1	11/09/24 08:38	11/18/24 11:32	PB164846

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	U	4.00	10.0	ug/L
108-95-2	Phenol	40.0		0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	42.6		1.20	5.00	ug/L
95-57-8	2-Chlorophenol	43.4		0.71	5.00	ug/L
95-48-7	2-Methylphenol	41.8		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	41.0		1.40	5.00	ug/L
98-86-2	Acetophenone	40.3		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	40.3		1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	40.4		1.50	2.50	ug/L
67-72-1	Hexachloroethane	41.9		1.00	5.00	ug/L
98-95-3	Nitrobenzene	39.3		1.30	5.00	ug/L
78-59-1	Isophorone	41.1		1.10	5.00	ug/L
88-75-5	2-Nitrophenol	42.9		2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	50.3		1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41.0		1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	42.2		0.88	5.00	ug/L
91-20-3	Naphthalene	40.5		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	32.4		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	40.4		1.30	5.00	ug/L
105-60-2	Caprolactam	41.6		1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	41.8		0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	41.1		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	170	E	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	42.2		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	41.3		1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	41.5		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	40.8		0.97	5.00	ug/L
88-74-4	2-Nitroaniline	42.8		1.40	5.00	ug/L
131-11-3	Dimethylphthalate	43.1		0.93	5.00	ug/L

Raw Data: **BF140446.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 2024	Date Received:	
Client Sample ID:	PB164846BS	SDG No.:	P4718
Lab Sample ID:	PB164846BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140446.D	1	11/09/24 08:38	11/18/24 11:32	PB164846

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	44.4		1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	41.5		1.20	5.00	ug/L
99-09-2	3-Nitroaniline	33.3		1.40	5.00	ug/L
83-32-9	Acenaphthene	47.2		0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	90.8	E	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	82.6	E	2.00	10.0	ug/L
132-64-9	Dibenzofuran	42.1		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	42.2		1.50	5.00	ug/L
84-66-2	Diethylphthalate	42.3		1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	41.5		0.98	5.00	ug/L
86-73-7	Fluorene	41.6		0.96	5.00	ug/L
100-01-6	4-Nitroaniline	40.6		2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	48.2		3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	43.8		0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	43.4		0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	43.7		1.10	5.00	ug/L
1912-24-9	Atrazine	36.8		1.30	5.00	ug/L
87-86-5	Pentachlorophenol	84.8	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	43.3		0.89	5.00	ug/L
120-12-7	Anthracene	45.3		1.10	5.00	ug/L
86-74-8	Carbazole	42.1		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	44.0		1.50	5.00	ug/L
206-44-0	Fluoranthene	41.3		1.30	5.00	ug/L
129-00-0	Pyrene	49.1		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	50.2		2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	38.4		1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	45.2		0.94	5.00	ug/L
218-01-9	Chrysene	44.6		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	48.6		1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	45.1		2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	40.7		1.10	5.00	ug/L

Raw Data: **BF140446.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 2024	Date Received:	
Client Sample ID:	PB164846BS	SDG No.:	P4718
Lab Sample ID:	PB164846BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140446.D	1	11/09/24 08:38	11/18/24 11:32	PB164846

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	41.3		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	47.0		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	50.0		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	49.5		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	44.8		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	42.0		1.10	5.00	ug/L
123-91-1	1,4-Dioxane	34.4		1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	45.4		0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	119		15 (10) - 110 (139)	79%	SPK: 150
13127-88-3	Phenol-d6	116		15 (10) - 110 (134)	77%	SPK: 150
4165-60-0	Nitrobenzene-d5	81.8		30 (49) - 130 (133)	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.2		30 (52) - 130 (132)	83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	129		15 (44) - 110 (137)	86%	SPK: 150
1718-51-0	Terphenyl-d14	102		30 (48) - 130 (125)	102%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	165000	6.875			
1146-65-2	Naphthalene-d8	639000	8.157			
15067-26-2	Acenaphthene-d10	347000	9.916			
1517-22-2	Phenanthrene-d10	637000	11.404			
1719-03-5	Chrysene-d12	332000	14.057			
1520-96-3	Perylene-d12	310000	15.557			

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:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB164846BSD	SDG No.:	P4718
Lab Sample ID:	PB164846BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140447.D	1	11/09/24 08:38	11/18/24 11:58	PB164846

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	7.20	J	4.00	10.0	ug/L
108-95-2	Phenol	43.3		0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	45.8		1.20	5.00	ug/L
95-57-8	2-Chlorophenol	46.9		0.71	5.00	ug/L
95-48-7	2-Methylphenol	45.5		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	44.4		1.40	5.00	ug/L
98-86-2	Acetophenone	43.9		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	45.0		1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	44.3		1.50	2.50	ug/L
67-72-1	Hexachloroethane	44.8		1.00	5.00	ug/L
98-95-3	Nitrobenzene	42.9		1.30	5.00	ug/L
78-59-1	Isophorone	44.8		1.10	5.00	ug/L
88-75-5	2-Nitrophenol	46.9		2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	54.8		1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	45.0		1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	45.5		0.88	5.00	ug/L
91-20-3	Naphthalene	43.9		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	22.3		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	43.7		1.30	5.00	ug/L
105-60-2	Caprolactam	43.8		1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	44.8		0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	44.8		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	180	E	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	45.8		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	44.3		1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	45.0		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	44.1		0.97	5.00	ug/L
88-74-4	2-Nitroaniline	45.2		1.40	5.00	ug/L
131-11-3	Dimethylphthalate	46.0		0.93	5.00	ug/L

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 2024	Date Received:	
Client Sample ID:	PB164846BSD	SDG No.:	P4718
Lab Sample ID:	PB164846BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140447.D	1	11/09/24 08:38	11/18/24 11:58	PB164846

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	48.2		1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	43.2		1.20	5.00	ug/L
99-09-2	3-Nitroaniline	28.4		1.40	5.00	ug/L
83-32-9	Acenaphthene	51.0		0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	97.0	E	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	87.7	E	2.00	10.0	ug/L
132-64-9	Dibenzofuran	45.4		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	45.6		1.50	5.00	ug/L
84-66-2	Diethylphthalate	45.3		1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	44.6		0.98	5.00	ug/L
86-73-7	Fluorene	44.4		0.96	5.00	ug/L
100-01-6	4-Nitroaniline	43.8		2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	50.4		3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	45.9		0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	45.1		0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	45.4		1.10	5.00	ug/L
1912-24-9	Atrazine	51.5		1.30	5.00	ug/L
87-86-5	Pentachlorophenol	87.7	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	45.9		0.89	5.00	ug/L
120-12-7	Anthracene	47.8		1.10	5.00	ug/L
86-74-8	Carbazole	44.7		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	46.1		1.50	5.00	ug/L
206-44-0	Fluoranthene	44.4		1.30	5.00	ug/L
129-00-0	Pyrene	49.3		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	51.6		2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	30.8		1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	46.6		0.94	5.00	ug/L
218-01-9	Chrysene	47.4		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	50.2		1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	47.9		2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	40.2		1.10	5.00	ug/L

Raw Data: **BF140447.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 2024	Date Received:	
Client Sample ID:	PB164846BSD	SDG No.:	P4718
Lab Sample ID:	PB164846BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140447.D	1	11/09/24 08:38	11/18/24 11:58	PB164846

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	49.2		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	49.9		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	52.0		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	51.3		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	46.8		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	45.4		1.10	5.00	ug/L
123-91-1	1,4-Dioxane	38.4		1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	47.7		0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	126		15 (10) - 110 (139)	84%	SPK: 150
13127-88-3	Phenol-d6	121		15 (10) - 110 (134)	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.0		30 (49) - 130 (133)	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	87.5		30 (52) - 130 (132)	88%	SPK: 100
118-79-6	2,4,6-Tribromophenol	132		15 (44) - 110 (137)	88%	SPK: 150
1718-51-0	Terphenyl-d14	99.7		30 (48) - 130 (125)	100%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	145000	6.875			
1146-65-2	Naphthalene-d8	560000	8.157			
15067-26-2	Acenaphthene-d10	309000	9.916			
1517-22-2	Phenanthrene-d10	581000	11.404			
1719-03-5	Chrysene-d12	325000	14.051			
1520-96-3	Perylene-d12	284000	15.545			

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: **BF140272.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/04/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/05/24
Client Sample ID:	WB-307-SB02MS	SDG No.:	P4718
Lab Sample ID:	P4718-02MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	77.6
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
BF140272.D	1	11/06/24 09:45	11/07/24 14:00	PB164702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	440		230	420	ug/Kg
108-95-2	Phenol	2300		110	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2200		110	220	ug/Kg
95-57-8	2-Chlorophenol	2300		110	220	ug/Kg
95-48-7	2-Methylphenol	2300		100	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2200		120	220	ug/Kg
98-86-2	Acetophenone	2100		110	220	ug/Kg
65794-96-9	3+4-Methylphenols	2200		100	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2200		51.9	100	ug/Kg
67-72-1	Hexachloroethane	2100		110	220	ug/Kg
98-95-3	Nitrobenzene	2000		120	220	ug/Kg
78-59-1	Isophorone	2200		110	220	ug/Kg
88-75-5	2-Nitrophenol	2400		120	220	ug/Kg
105-67-9	2,4-Dimethylphenol	2700		120	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2100		110	220	ug/Kg
120-83-2	2,4-Dichlorophenol	2200		97.2	220	ug/Kg
91-20-3	Naphthalene	2100		110	220	ug/Kg
106-47-8	4-Chloroaniline	1500		110	220	ug/Kg
87-68-3	Hexachlorobutadiene	2100		110	220	ug/Kg
105-60-2	Caprolactam	2400		110	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2200		99.8	220	ug/Kg
91-57-6	2-Methylnaphthalene	2200		110	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	8500	E	200	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2300		91.9	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2300		95.3	220	ug/Kg
92-52-4	1,1-Biphenyl	2200		110	220	ug/Kg
91-58-7	2-Chloronaphthalene	2100		110	220	ug/Kg
88-74-4	2-Nitroaniline	2300		120	220	ug/Kg
131-11-3	Dimethylphthalate	2300		110	220	ug/Kg

Raw Data: **BF140272.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/04/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/05/24
Client Sample ID:	WB-307-SB02MS	SDG No.:	P4718
Lab Sample ID:	P4718-02MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	77.6
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
BF140272.D	1	11/06/24 09:45	11/07/24 14:00	PB164702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	2400		110	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	2200		110	220	ug/Kg
99-09-2	3-Nitroaniline	1800		110	220	ug/Kg
83-32-9	Acenaphthene	2500		100	220	ug/Kg
51-28-5	2,4-Dinitrophenol	4900	E	310	420	ug/Kg
100-02-7	4-Nitrophenol	5300	E	150	420	ug/Kg
132-64-9	Dibenzofuran	2300		110	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	2400		110	220	ug/Kg
84-66-2	Diethylphthalate	2300		100	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2200		110	220	ug/Kg
86-73-7	Fluorene	2200		110	220	ug/Kg
100-01-6	4-Nitroaniline	2400		140	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2600		150	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2200		110	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2200		100	220	ug/Kg
118-74-1	Hexachlorobenzene	2200		110	220	ug/Kg
1912-24-9	Atrazine	3000		120	220	ug/Kg
87-86-5	Pentachlorophenol	4800	E	99.5	420	ug/Kg
85-01-8	Phenanthrene	2200		110	220	ug/Kg
120-12-7	Anthracene	2300		110	220	ug/Kg
86-74-8	Carbazole	2200		100	220	ug/Kg
84-74-2	Di-n-butylphthalate	2300		110	220	ug/Kg
206-44-0	Fluoranthene	2100		110	220	ug/Kg
129-00-0	Pyrene	2400		110	220	ug/Kg
85-68-7	Butylbenzylphthalate	2500		120	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	2000		130	420	ug/Kg
56-55-3	Benzo(a)anthracene	2300		100	220	ug/Kg
218-01-9	Chrysene	2300		100	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2300		120	220	ug/Kg
117-84-0	Di-n-octyl phthalate	2300		140	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	2400		100	220	ug/Kg

Raw Data: **BF140272.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/04/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/05/24
Client Sample ID:	WB-307-SB02MS	SDG No.:	P4718
Lab Sample ID:	P4718-02MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	77.6
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
BF140272.D	1	11/06/24 09:45	11/07/24 14:00	PB164702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	2100		110	220	ug/Kg
50-32-8	Benzo(a)pyrene	2500		120	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2100		100	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2100		100	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1800		100	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2200		110	220	ug/Kg
123-91-1	1,4-Dioxane	2000		140	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2500		96.2	220	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	108		30 (18) - 130 (112)	72%	SPK: 150
13127-88-3	Phenol-d6	109		30 (15) - 130 (107)	73%	SPK: 150
4165-60-0	Nitrobenzene-d5	71.6		30 (18) - 130 (107)	72%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.9		30 (20) - 130 (109)	72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	121		30 (10) - 130 (116)	81%	SPK: 150
1718-51-0	Terphenyl-d14	80.3		30 (10) - 130 (105)	80%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	124000	6.875			
1146-65-2	Naphthalene-d8	474000	8.157			
15067-26-2	Acenaphthene-d10	274000	9.916			
1517-22-2	Phenanthrene-d10	512000	11.41			
1719-03-5	Chrysene-d12	276000	14.063			
1520-96-3	Perylene-d12	287000	15.58			

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: **BF140273.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/04/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/05/24
Client Sample ID:	WB-307-SB02MSD	SDG No.:	P4718
Lab Sample ID:	P4718-02MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	77.6
Sample Wt/Vol:	30.04 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
BF140273.D	1	11/06/24 09:45	11/07/24 14:27	PB164702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	440		230	420	ug/Kg
108-95-2	Phenol	2200		110	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2200		110	220	ug/Kg
95-57-8	2-Chlorophenol	2300		110	220	ug/Kg
95-48-7	2-Methylphenol	2200		100	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2100		120	220	ug/Kg
98-86-2	Acetophenone	2100		110	220	ug/Kg
65794-96-9	3+4-Methylphenols	2200		100	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2100		51.9	100	ug/Kg
67-72-1	Hexachloroethane	2100		110	220	ug/Kg
98-95-3	Nitrobenzene	2000		120	220	ug/Kg
78-59-1	Isophorone	2100		110	220	ug/Kg
88-75-5	2-Nitrophenol	2300		120	220	ug/Kg
105-67-9	2,4-Dimethylphenol	2600		120	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2100		110	220	ug/Kg
120-83-2	2,4-Dichlorophenol	2200		97.2	220	ug/Kg
91-20-3	Naphthalene	2100		110	220	ug/Kg
106-47-8	4-Chloroaniline	1500		110	220	ug/Kg
87-68-3	Hexachlorobutadiene	2000		110	220	ug/Kg
105-60-2	Caprolactam	2400		110	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2200		99.7	220	ug/Kg
91-57-6	2-Methylnaphthalene	2200		110	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	8100	E	200	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2200		91.9	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2200		95.2	220	ug/Kg
92-52-4	1,1-Biphenyl	2100		110	220	ug/Kg
91-58-7	2-Chloronaphthalene	2100		110	220	ug/Kg
88-74-4	2-Nitroaniline	2200		120	220	ug/Kg
131-11-3	Dimethylphthalate	2200		110	220	ug/Kg

Raw Data: **BF140273.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/04/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/05/24
Client Sample ID:	WB-307-SB02MSD	SDG No.:	P4718
Lab Sample ID:	P4718-02MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	77.6
Sample Wt/Vol:	30.04 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
BF140273.D	1	11/06/24 09:45	11/07/24 14:27	PB164702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	2300		110	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	2200		110	220	ug/Kg
99-09-2	3-Nitroaniline	1700		110	220	ug/Kg
83-32-9	Acenaphthene	2500		100	220	ug/Kg
51-28-5	2,4-Dinitrophenol	5000	E	310	420	ug/Kg
100-02-7	4-Nitrophenol	5300	E	150	420	ug/Kg
132-64-9	Dibenzofuran	2200		110	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	2300		110	220	ug/Kg
84-66-2	Diethylphthalate	2200		100	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2100		110	220	ug/Kg
86-73-7	Fluorene	2200		110	220	ug/Kg
100-01-6	4-Nitroaniline	2300		140	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2500		150	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2200		110	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2200		100	220	ug/Kg
118-74-1	Hexachlorobenzene	2100		110	220	ug/Kg
1912-24-9	Atrazine	2900		120	220	ug/Kg
87-86-5	Pentachlorophenol	4700	E	99.5	420	ug/Kg
85-01-8	Phenanthrene	2200		110	220	ug/Kg
120-12-7	Anthracene	2300		110	220	ug/Kg
86-74-8	Carbazole	2200		100	220	ug/Kg
84-74-2	Di-n-butylphthalate	2300		110	220	ug/Kg
206-44-0	Fluoranthene	2100		110	220	ug/Kg
129-00-0	Pyrene	2300		110	220	ug/Kg
85-68-7	Butylbenzylphthalate	2400		120	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1900		130	420	ug/Kg
56-55-3	Benzo(a)anthracene	2200		100	220	ug/Kg
218-01-9	Chrysene	2300		100	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2200		120	220	ug/Kg
117-84-0	Di-n-octyl phthalate	2200		140	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	2100		100	220	ug/Kg

Raw Data: **BF140273.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/04/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/05/24
Client Sample ID:	WB-307-SB02MSD	SDG No.:	P4718
Lab Sample ID:	P4718-02MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	77.6
Sample Wt/Vol:	30.04 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
BF140273.D	1	11/06/24 09:45	11/07/24 14:27	PB164702

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	2300		110	220	ug/Kg
50-32-8	Benzo(a)pyrene	2400		120	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2100		100	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2100		100	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1800		100	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2100		110	220	ug/Kg
123-91-1	1,4-Dioxane	2000		140	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2400		96.1	220	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	106		30 (18) - 130 (112)	70%	SPK: 150
13127-88-3	Phenol-d6	106		30 (15) - 130 (107)	71%	SPK: 150
4165-60-0	Nitrobenzene-d5	69.7		30 (18) - 130 (107)	70%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.3		30 (20) - 130 (109)	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	121		30 (10) - 130 (116)	81%	SPK: 150
1718-51-0	Terphenyl-d14	76.8		30 (10) - 130 (105)	77%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	125000	6.875			
1146-65-2	Naphthalene-d8	475000	8.157			
15067-26-2	Acenaphthene-d10	277000	9.916			
1517-22-2	Phenanthrene-d10	516000	11.41			
1719-03-5	Chrysene-d12	284000	14.068			
1520-96-3	Perylene-d12	294000	15.586			

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

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

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110524.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Nov 05 16:47:56 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF140231.D 5 =BF140232.D 10 =BF140233.D 20 =BF140234.D 40 =BF140235.D 50 =BF140236.D 60 =BF140237.D 80 =BF1402
38.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.613	0.582	0.576	0.550	0.526	0.527	0.511	0.555	6.64
3)		Pyridine		1.464	1.445	1.402	1.340	1.296	1.298	1.233	1.354	6.33
4)		n-Nitrosodimet...		0.799	0.792	0.802	0.780	0.767	0.786	0.746	0.782	2.52
5)	S	2-Fluorophenol		1.359	1.298	1.261	1.159	1.138	1.151	1.083	1.207	8.29
6)		Aniline		1.609	1.513	1.499	1.365	1.316	1.298	1.218	1.402	9.99
7)	S	Phenol-d6		1.765	1.679	1.604	1.495	1.462	1.468	1.392	1.552	8.66
8)		2-Chlorophenol		1.441	1.385	1.311	1.214	1.187	1.182	1.121	1.263	9.38
9)		Benzaldehyde		1.159	1.137	1.085	0.949	0.839	0.823	0.701	0.956	18.46
10)	C	Phenol		1.863	1.779	1.752	1.593	1.575	1.544	1.434	1.649	9.23
11)		bis(2-Chloroet...		1.417	1.354	1.285	1.209	1.201	1.201	1.100	1.252	8.57
12)		1,3-Dichlorobe...		1.690	1.605	1.555	1.413	1.387	1.388	1.322	1.480	9.22
13)	C	1,4-Dichlorobe...		1.720	1.636	1.551	1.423	1.393	1.401	1.322	1.492	9.78
14)		1,2-Dichlorobe...		1.622	1.553	1.494	1.309	1.291	1.286	1.201	1.394	11.49
15)		Benzyl Alcohol		1.282	1.280	1.258	1.182	1.147	1.154	1.075	1.197	6.59
16)		2,2'-oxybis(1-...		2.305	2.213	2.143	1.958	1.910	1.898	1.764	2.027	9.65
17)		2-Methylphenol		1.155	1.105	1.086	1.028	1.005	1.022	0.973	1.053	6.05
18)		Hexachloroethane		0.612	0.603	0.576	0.533	0.524	0.537	0.507	0.556	7.37
19)	P	n-Nitroso-di-n...	1.035	1.117	1.062	1.015	0.949	0.923	0.936	0.886	0.990	8.01
20)		3+4-Methylphenols		1.503	1.446	1.403	1.277	1.240	1.242	1.150	1.323	9.73
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.564	0.535	0.512	0.474	0.461	0.472	0.453	0.496	8.43
23)	S	Nitrobenzene-d5		0.435	0.420	0.415	0.392	0.387	0.391	0.377	0.402	5.21
24)		Nitrobenzene		0.452	0.442	0.436	0.414	0.407	0.407	0.396	0.422	5.04
25)		Isophorone		0.754	0.722	0.699	0.675	0.659	0.680	0.660	0.693	5.05
26)	C	2-Nitrophenol		0.160	0.167	0.170	0.171	0.167	0.173	0.168	0.168	2.47
27)		2,4-Dimethylph...		0.240	0.237	0.234	0.224	0.221	0.227	0.216	0.228	3.88
28)		bis(2-Chloroet...		0.459	0.441	0.428	0.400	0.390	0.399	0.383	0.415	6.93
29)	C	2,4-Dichloroph...		0.297	0.299	0.291	0.278	0.270	0.277	0.266	0.283	4.67
30)		1,2,4-Trichlor...		0.373	0.362	0.349	0.328	0.318	0.327	0.314	0.339	6.72
31)		Naphthalene		1.206	1.119	1.071	0.992	0.956	0.965	0.921	1.033	9.94
32)		Benzoic acid			0.136	0.161	0.193	0.207	0.211	0.216	0.187	17.07
33)		4-Chloroaniline		0.372	0.367	0.354	0.330	0.322	0.323	0.311	0.340	7.13
34)	C	Hexachlorobuta...		0.251	0.241	0.238	0.222	0.218	0.223	0.212	0.229	6.22
35)		Caprolactam		0.090	0.087	0.088	0.085	0.084	0.086	0.082	0.086	2.94
36)	C	4-Chloro-3-met...		0.337	0.326	0.319	0.312	0.303	0.307	0.298	0.315	4.33
37)		2-Methylnaphth...		0.772	0.743	0.702	0.644	0.626	0.627	0.605	0.674	9.64
38)		1-Methylnaphth...		0.765	0.720	0.691	0.634	0.612	0.619	0.583	0.661	10.00

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110524.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.657	0.619	0.600	0.562	0.559	0.562	0.538	0.586	7.15
41)	P	Hexachlorocycl...	0.124	0.145	0.169	0.183	0.177	0.181	0.169	0.164	13.27
42)	S	2,4,6-Tribromo...	0.199	0.200	0.197	0.194	0.197	0.202	0.195	0.198	1.40
43)	C	2,4,6-Trichlor...	0.377	0.369	0.363	0.361	0.354	0.356	0.359	0.363	2.16
44)		2,4,5-Trichlor...	0.391	0.398	0.396	0.373	0.374	0.383	0.355	0.381	4.02
45)	S	2-Fluorobiphenyl	1.481	1.381	1.312	1.183	1.148	1.166	1.097	1.253	11.27
46)		1,1'-Biphenyl	1.663	1.590	1.521	1.376	1.342	1.347	1.281	1.446	10.02
47)		2-Chloronaphth...	1.195	1.171	1.135	1.050	1.036	1.040	0.990	1.088	7.17
48)		2-Nitroaniline	0.357	0.372	0.371	0.369	0.363	0.364	0.352	0.364	1.99
49)		Acenaphthylene	1.730	1.668	1.618	1.486	1.465	1.452	1.364	1.540	8.62
50)		Dimethylphthalate	1.363	1.310	1.262	1.191	1.182	1.180	1.135	1.232	6.65
51)		2,6-Dinitrotol...	0.302	0.297	0.299	0.286	0.286	0.284	0.272	0.290	3.57
52)	C	Acenaphthene	1.204	1.153	1.134	1.059	1.055	1.041	1.003	1.093	6.60
53)		3-Nitroaniline	0.294	0.286	0.282	0.269	0.267	0.262	0.248	0.273	5.83
54)	P	2,4-Dinitrophenol		0.071	0.101	0.128	0.135	0.139	0.142	0.120	23.23
55)		Dibenzofuran	1.773	1.683	1.603	1.467	1.424	1.421	1.324	1.528	10.59
56)	P	4-Nitrophenol	0.160	0.178	0.196	0.203	0.206	0.201	0.197	0.192	8.78
57)		2,4-Dinitrotol...	0.384	0.385	0.388	0.374	0.373	0.374	0.352	0.376	3.23
58)		Fluorene	1.446	1.345	1.267	1.154	1.127	1.115	1.059	1.216	11.55
59)		2,3,4,6-Tetrac...	0.323	0.324	0.321	0.305	0.309	0.308	0.298	0.313	3.26
60)		Diethylphthalate	1.360	1.319	1.271	1.185	1.170	1.165	1.097	1.224	7.72
61)		4-Chlorophenyl...	0.715	0.673	0.638	0.581	0.573	0.569	0.542	0.613	10.33
62)		4-Nitroaniline	0.278	0.276	0.282	0.270	0.267	0.270	0.254	0.271	3.45
63)		Azobenzene	1.460	1.373	1.319	1.219	1.200	1.190	1.122	1.269	9.38
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.080	0.100	0.110	0.112	0.116	0.113	0.105	12.60
66)	c	n-Nitrosodiphe...	0.646	0.608	0.600	0.551	0.543	0.549	0.530	0.575	7.48
67)		4-Bromophenyl-...	0.230	0.219	0.223	0.209	0.208	0.212	0.207	0.215	4.15
68)		Hexachlorobenzene	0.261	0.255	0.251	0.237	0.235	0.242	0.237	0.245	4.26
69)		Atrazine	0.204	0.189	0.155	0.156	0.127	0.138	0.133	0.157	18.48
70)	C	Pentachlorophenol	0.105	0.121	0.133	0.138	0.139	0.144	0.142	0.132	10.59
71)		Phenanthrene	1.082	1.044	1.004	0.915	0.885	0.902	0.849	0.954	9.28
72)		Anthracene	1.071	1.014	0.984	0.894	0.881	0.876	0.832	0.936	9.34
73)		Carbazole	0.973	0.919	0.901	0.822	0.805	0.809	0.759	0.855	8.93
74)		Di-n-butylphth...	1.119	1.096	1.062	0.975	0.961	0.966	0.907	1.012	7.87
75)	C	Fluoranthene	1.157	1.101	1.044	0.950	0.928	0.935	0.870	0.998	10.48
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.507	0.466	0.380	0.490	0.365	0.249	0.281	0.391	25.96
78)		Pyrene	1.851	1.733	1.728	1.590	1.572	1.596	1.490	1.651	7.49
79)	S	Terphenyl-d14	1.383	1.309	1.258	1.159	1.164	1.180	1.093	1.221	8.25
80)		Butylbenzylpht...	0.580	0.596	0.613	0.597	0.601	0.612	0.564	0.595	2.95
81)		Benzo(a)anthra...	1.386	1.344	1.345	1.232	1.232	1.254	1.193	1.284	5.71
82)		3,3'-Dichlorob...	0.387	0.409	0.410	0.417	0.406	0.401	0.392	0.403	2.57
83)		Chrysene	1.320	1.264	1.206	1.154	1.177	1.180	1.113	1.202	5.81
84)		Bis(2-ethylhex...	0.868	0.858	0.858	0.819	0.825	0.830	0.775	0.833	3.82
85)	c	Di-n-octyl pht...	1.201	1.234	1.283	1.267	1.265	1.291	1.240	1.254	2.52

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110524.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.107	1.110	1.213	1.195	1.172	1.230	1.191	1.174	4.11
88)		Benzo(b)fluora...	1.300	1.184	1.214	1.245	1.125	1.286	1.115	1.210	6.05
89)		Benzo(k)fluora...	1.214	1.230	1.206	1.027	1.085	0.975	1.034	1.110	9.46
90)	C	Benzo(a)pyrene	1.023	0.999	1.022	0.993	0.975	1.006	0.964	0.997	2.23
91)		Dibenzo(a,h)an...	0.917	0.923	0.998	0.979	0.968	1.000	0.976	0.966	3.44
92)		Benzo(g,h,i)pe...	0.949	0.941	1.017	0.994	0.977	1.017	1.002	0.985	3.13

(#) = Out of Range

Response Factor Report BNA_F

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

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

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

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

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

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

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

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG No.: P4718

Instrument ID: BNA_F Calibration Date/Time: 11/07/2024 08:59

Lab File ID: BF140261.D Init. Calib. Date(s): 11/05/2024 11/05/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:26 15:30

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.207	1.165		-3.5	
Benzaldehyde	0.956	0.810		-15.3	
Phenol-d6	1.552	1.463		-5.7	
Phenol	1.649	1.561		-5.3	20.0
bis(2-Chloroethyl)ether	1.252	1.210		-3.4	
2-Chlorophenol	1.263	1.231		-2.5	
2-Methylphenol	1.053	1.018		-3.3	
2,2-oxybis(1-Chloropropane)	2.027	1.887		-6.9	
Acetophenone	0.496	0.470		-5.2	
3+4-Methylphenols	1.323	1.261		-4.7	
n-Nitroso-di-n-propylamine	0.990	0.931	0.050	-6.0	
Nitrobenzene-d5	0.402	0.382		-5.0	
Hexachloroethane	0.556	0.541		-2.7	
Nitrobenzene	0.422	0.399		-5.4	
Isophorone	0.693	0.666		-3.9	
2-Nitrophenol	0.168	0.177		5.4	20.0
2,4-Dimethylphenol	0.228	0.227		-0.4	
bis(2-Chloroethoxy)methane	0.415	0.403		-2.9	
2,4-Dichlorophenol	0.283	0.288		1.8	20.0
Naphthalene	1.033	0.994		-3.8	
4-Chloroaniline	0.340	0.337		-0.9	
Hexachlorobutadiene	0.229	0.225		-1.7	20.0
Caprolactam	0.086	0.089		3.5	
4-Chloro-3-methylphenol	0.315	0.313		-0.6	20.0
2-Methylnaphthalene	0.674	0.656		-2.7	
Hexachlorocyclopentadiene	0.164	0.179	0.050	9.1	
2,4,6-Trichlorophenol	0.363	0.369		1.7	20.0
2-Fluorobiphenyl	1.253	1.179		-5.8	
2,4,5-Trichlorophenol	0.381	0.390		2.4	
1,1-Biphenyl	1.446	1.384		-4.3	
2-Chloronaphthalene	1.088	1.060		-2.6	
2-Nitroaniline	0.364	0.353		-3.0	
Dimethylphthalate	1.232	1.219		-1.1	
Acenaphthylene	1.540	1.494		-3.0	
2,6-Dinitrotoluene	0.290	0.293		1.0	
3-Nitroaniline	0.273	0.272		-0.4	
Acenaphthene	1.093	1.068		-2.3	20.0
2,4-Dinitrophenol	0.120	0.130	0.050	8.3	
4-Nitrophenol	0.192	0.199	0.050	3.6	

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG No.: P4718

Instrument ID: BNA_F Calibration Date/Time: 11/07/2024 08:59

Lab File ID: BF140261.D Init. Calib. Date(s): 11/05/2024 11/05/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:26 15:30

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.528	1.498		-2.0	
2,4-Dinitrotoluene	0.376	0.389		3.5	
Diethylphthalate	1.224	1.230		0.5	
4-Chlorophenyl-phenylether	0.613	0.600		-2.1	
Fluorene	1.216	1.168		-3.9	
4-Nitroaniline	0.271	0.275		1.5	
4,6-Dinitro-2-methylphenol	0.105	0.111		5.7	
n-Nitrosodiphenylamine	0.575	0.555		-3.5	20.0
2,4,6-Tribromophenol	0.198	0.209		5.6	
4-Bromophenyl-phenylether	0.215	0.217		0.9	
Hexachlorobenzene	0.245	0.246		0.4	
Atrazine	0.157	0.164		4.5	
Pentachlorophenol	0.132	0.145		9.8	20.0
Phenanthrene	0.954	0.929		-2.6	
Anthracene	0.936	0.894		-4.5	
Carbazole	0.855	0.830		-2.9	
Di-n-butylphthalate	1.012	1.017		0.5	
Fluoranthene	0.998	0.976		-2.2	20.0
Pyrene	1.651	1.654		0.2	
Terphenyl-d14	1.221	1.218		-0.2	
Butylbenzylphthalate	0.595	0.651		9.4	
3,3-Dichlorobenzidine	0.403	0.401		-0.5	
Benzo(a)anthracene	1.284	1.263		-1.6	
Chrysene	1.202	1.168		-2.8	
Bis(2-ethylhexyl)phthalate	0.833	0.864		3.7	
Di-n-octyl phthalate	1.254	1.310		4.5	20.0
Benzo(b)fluoranthene	1.210	1.159		-4.2	
Benzo(k)fluoranthene	1.110	1.122		1.1	
Benzo(a)pyrene	0.997	0.992		-0.5	20.0
Indeno(1,2,3-cd)pyrene	1.174	1.165		-0.8	
Dibenzo(a,h)anthracene	0.966	0.952		-1.4	
Benzo(g,h,i)perylene	0.985	0.966		-1.9	
1,2,4,5-Tetrachlorobenzene	0.586	0.573		-2.2	
1,4-Dioxane	0.555	0.516		-7.0	20.0
2,3,4,6-Tetrachlorophenol	0.313	0.327		4.5	

All other compounds must meet a minimum RRF of 0.010.

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG No.: P4718

Instrument ID: BNA_F Calibration Date/Time: 11/14/2024 09:42

Lab File ID: BF140351.D Init. Calib. Date(s): 11/13/2024 11/13/2024

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.171	1.155		-1.4	
Benzaldehyde	0.951	0.837		-12.0	
Phenol-d6	1.587	1.544		-2.7	
Phenol	1.674	1.661		-0.8	20.0
bis(2-Chloroethyl)ether	1.268	1.235		-2.6	
2-Chlorophenol	1.258	1.240		-1.4	
2-Methylphenol	1.035	1.025		-1.0	
2,2-oxybis(1-Chloropropane)	1.752	1.728		-1.4	
Acetophenone	0.465	0.458		-1.5	
3+4-Methylphenols	1.295	1.274		-1.6	
n-Nitroso-di-n-propylamine	0.959	0.924	0.050	-3.7	
Nitrobenzene-d5	0.384	0.378		-1.6	
Hexachloroethane	0.520	0.513		-1.3	
Nitrobenzene	0.400	0.400		0.0	
Isophorone	0.680	0.659		-3.1	
2-Nitrophenol	0.177	0.182		2.8	20.0
2,4-Dimethylphenol	0.227	0.225		-0.9	
bis(2-Chloroethoxy)methane	0.417	0.409		-1.9	
2,4-Dichlorophenol	0.281	0.283		0.7	20.0
Naphthalene	1.015	0.996		-1.9	
4-Chloroaniline	0.353	0.336		-4.8	
Hexachlorobutadiene	0.199	0.201		1.0	20.0
Caprolactam	0.093	0.093		0.0	
4-Chloro-3-methylphenol	0.311	0.310		-0.3	20.0
2-Methylnaphthalene	0.651	0.642		-1.4	
Hexachlorocyclopentadiene	0.142	0.145	0.050	2.1	
2,4,6-Trichlorophenol	0.363	0.371		2.2	20.0
2-Fluorobiphenyl	1.244	1.208		-2.9	
2,4,5-Trichlorophenol	0.397	0.392		-1.3	
1,1-Biphenyl	1.455	1.432		-1.6	
2-Chloronaphthalene	1.108	1.084		-2.2	
2-Nitroaniline	0.368	0.361		-1.9	
Dimethylphthalate	1.304	1.276		-2.1	
Acenaphthylene	1.677	1.653		-1.5	
2,6-Dinitrotoluene	0.297	0.295		-0.7	
3-Nitroaniline	0.312	0.311		-0.3	
Acenaphthene	1.133	1.111		-1.9	20.0
2,4-Dinitrophenol	0.153	0.148	0.050	-3.3	
4-Nitrophenol	0.228	0.231	0.050	1.3	

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG No.: P4718

Instrument ID: BNA_F Calibration Date/Time: 11/14/2024 09:42

Lab File ID: BF140351.D Init. Calib. Date(s): 11/13/2024 11/13/2024

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.603	1.580		-1.4	
2,4-Dinitrotoluene	0.391	0.398		1.8	
Diethylphthalate	1.333	1.296		-2.8	
4-Chlorophenyl-phenylether	0.625	0.617		-1.3	
Fluorene	1.267	1.226		-3.2	
4-Nitroaniline	0.319	0.315		-1.3	
4,6-Dinitro-2-methylphenol	0.108	0.112		3.7	
n-Nitrosodiphenylamine	0.578	0.561		-2.9	20.0
2,4,6-Tribromophenol	0.199	0.193		-3.0	
4-Bromophenyl-phenylether	0.200	0.194		-3.0	
Hexachlorobenzene	0.225	0.220		-2.2	
Atrazine	0.175	0.163		-6.9	
Pentachlorophenol	0.121	0.124		2.5	20.0
Phenanthrene	0.940	0.898		-4.5	
Anthracene	0.921	0.904		-1.8	
Carbazole	0.909	0.882		-3.0	
Di-n-butylphthalate	1.091	1.078		-1.2	
Fluoranthene	1.054	1.005		-4.6	20.0
Pyrene	1.711	1.794		4.9	
Terphenyl-d14	1.152	1.182		2.6	
Butylbenzylphthalate	0.657	0.714		8.7	
3,3-Dichlorobenzidine	0.418	0.406		-2.9	
Benzo(a)anthracene	1.314	1.285		-2.2	
Chrysene	1.199	1.151		-4.0	
Bis(2-ethylhexyl)phthalate	0.877	0.945		7.8	
Di-n-octyl phthalate	1.235	1.259		1.9	20.0
Benzo(b)fluoranthene	1.308	1.183		-9.6	
Benzo(k)fluoranthene	1.069	1.083		1.3	
Benzo(a)pyrene	1.016	1.001		-1.5	20.0
Indeno(1,2,3-cd)pyrene	1.235	1.314		6.4	
Dibenzo(a,h)anthracene	1.021	1.090		6.8	
Benzo(g,h,i)perylene	1.044	1.103		5.7	
1,2,4,5-Tetrachlorobenzene	0.553	0.537		-2.9	
1,4-Dioxane	0.522	0.522		0.0	20.0
2,3,4,6-Tetrachlorophenol	0.313	0.315		0.6	

All other compounds must meet a minimum RRF of 0.010.

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG No.: P4718

Instrument ID: BNA_F Calibration Date/Time: 11/14/2024 17:02

Lab File ID: BF140366.D Init. Calib. Date(s): 11/13/2024 11/13/2024

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.171	1.188		1.5	
Benzaldehyde	0.951	0.861		-9.5	
Phenol-d6	1.587	1.578		-0.6	
Phenol	1.674	1.678		0.2	20.0
bis(2-Chloroethyl)ether	1.268	1.243		-2.0	
2-Chlorophenol	1.258	1.256		-0.2	
2-Methylphenol	1.035	1.033		-0.2	
2,2-oxybis(1-Chloropropane)	1.752	1.678		-4.2	
Acetophenone	0.465	0.463		-0.4	
3+4-Methylphenols	1.295	1.288		-0.5	
n-Nitroso-di-n-propylamine	0.959	0.909	0.050	-5.2	
Nitrobenzene-d5	0.384	0.381		-0.8	
Hexachloroethane	0.520	0.504		-3.1	
Nitrobenzene	0.400	0.401		0.3	
Isophorone	0.680	0.661		-2.8	
2-Nitrophenol	0.177	0.178		0.6	20.0
2,4-Dimethylphenol	0.227	0.227		0.0	
bis(2-Chloroethoxy)methane	0.417	0.404		-3.1	
2,4-Dichlorophenol	0.281	0.281		0.0	20.0
Naphthalene	1.015	1.009		-0.6	
4-Chloroaniline	0.353	0.327		-7.4	
Hexachlorobutadiene	0.199	0.195		-2.0	20.0
Caprolactam	0.093	0.094		1.1	
4-Chloro-3-methylphenol	0.311	0.311		0.0	20.0
2-Methylnaphthalene	0.651	0.642		-1.4	
Hexachlorocyclopentadiene	0.142	0.133	0.050	-6.3	
2,4,6-Trichlorophenol	0.363	0.368		1.4	20.0
2-Fluorobiphenyl	1.244	1.231		-1.0	
2,4,5-Trichlorophenol	0.397	0.409		3.0	
1,1-Biphenyl	1.455	1.467		0.8	
2-Chloronaphthalene	1.108	1.111		0.3	
2-Nitroaniline	0.368	0.374		1.6	
Dimethylphthalate	1.304	1.272		-2.5	
Acenaphthylene	1.677	1.672		-0.3	
2,6-Dinitrotoluene	0.297	0.303		2.0	
3-Nitroaniline	0.312	0.313		0.3	
Acenaphthene	1.133	1.135		0.2	20.0
2,4-Dinitrophenol	0.153	0.154	0.050	0.7	
4-Nitrophenol	0.228	0.236	0.050	3.5	

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG No.: P4718

Instrument ID: BNA_F Calibration Date/Time: 11/14/2024 17:02

Lab File ID: BF140366.D Init. Calib. Date(s): 11/13/2024 11/13/2024

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.603	1.616		0.8	
2,4-Dinitrotoluene	0.391	0.397		1.5	
Diethylphthalate	1.333	1.281		-3.9	
4-Chlorophenyl-phenylether	0.625	0.604		-3.4	
Fluorene	1.267	1.256		-0.9	
4-Nitroaniline	0.319	0.328		2.8	
4,6-Dinitro-2-methylphenol	0.108	0.114		5.6	
n-Nitrosodiphenylamine	0.578	0.569		-1.6	20.0
2,4,6-Tribromophenol	0.199	0.200		0.5	
4-Bromophenyl-phenylether	0.200	0.193		-3.5	
Hexachlorobenzene	0.225	0.223		-0.9	
Atrazine	0.175	0.164		-6.3	
Pentachlorophenol	0.121	0.124		2.5	20.0
Phenanthrene	0.940	0.926		-1.5	
Anthracene	0.921	0.905		-1.7	
Carbazole	0.909	0.912		0.3	
Di-n-butylphthalate	1.091	1.021		-6.4	
Fluoranthene	1.054	1.029		-2.4	20.0
Pyrene	1.711	1.783		4.2	
Terphenyl-d14	1.152	1.148		-0.3	
Butylbenzylphthalate	0.657	0.642		-2.3	
3,3-Dichlorobenzidine	0.418	0.409		-2.2	
Benzo(a)anthracene	1.314	1.308		-0.5	
Chrysene	1.199	1.156		-3.6	
Bis(2-ethylhexyl)phthalate	0.877	0.791		-9.8	
Di-n-octyl phthalate	1.235	1.083		-12.3	20.0
Benzo(b)fluoranthene	1.308	1.240		-5.2	
Benzo(k)fluoranthene	1.069	1.043		-2.4	
Benzo(a)pyrene	1.016	1.000		-1.6	20.0
Indeno(1,2,3-cd)pyrene	1.235	1.295		4.9	
Dibenzo(a,h)anthracene	1.021	1.058		3.6	
Benzo(g,h,i)perylene	1.044	1.108		6.1	
1,2,4,5-Tetrachlorobenzene	0.553	0.555		0.4	
1,4-Dioxane	0.522	0.547		4.8	20.0
2,3,4,6-Tetrachlorophenol	0.313	0.320		2.2	

All other compounds must meet a minimum RRF of 0.010.

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG No.: P4718

Instrument ID: BNA_F Calibration Date/Time: 11/18/2024 10:13

Lab File ID: BF140443.D Init. Calib. Date(s): 11/13/2024 11/13/2024

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.171	1.135		-3.1	
Benzaldehyde	0.951	0.765		-19.6	
Phenol-d6	1.587	1.499		-5.5	
Phenol	1.674	1.571		-6.2	20.0
bis(2-Chloroethyl)ether	1.268	1.213		-4.3	
2-Chlorophenol	1.258	1.220		-3.0	
2-Methylphenol	1.035	0.990		-4.3	
2,2-oxybis(1-Chloropropane)	1.752	1.612		-8.0	
Acetophenone	0.465	0.452		-2.8	
3+4-Methylphenols	1.295	1.212		-6.4	
n-Nitroso-di-n-propylamine	0.959	0.871	0.050	-9.2	
Nitrobenzene-d5	0.384	0.377		-1.8	
Hexachloroethane	0.520	0.516		-0.8	
Nitrobenzene	0.400	0.391		-2.3	
Isophorone	0.680	0.648		-4.7	
2-Nitrophenol	0.177	0.180		1.7	20.0
2,4-Dimethylphenol	0.227	0.223		-1.8	
bis(2-Chloroethoxy)methane	0.417	0.404		-3.1	
2,4-Dichlorophenol	0.281	0.280		-0.4	20.0
Naphthalene	1.015	0.999		-1.6	
4-Chloroaniline	0.353	0.324		-8.2	
Hexachlorobutadiene	0.199	0.203		2.0	20.0
Caprolactam	0.093	0.088		-5.4	
4-Chloro-3-methylphenol	0.311	0.303		-2.6	20.0
2-Methylnaphthalene	0.651	0.642		-1.4	
Hexachlorocyclopentadiene	0.142	0.127	0.050	-10.6	
2,4,6-Trichlorophenol	0.363	0.369		1.7	20.0
2-Fluorobiphenyl	1.244	1.230		-1.1	
2,4,5-Trichlorophenol	0.397	0.391		-1.5	
1,1-Biphenyl	1.455	1.449		-0.4	
2-Chloronaphthalene	1.108	1.094		-1.3	
2-Nitroaniline	0.368	0.354		-3.8	
Dimethylphthalate	1.304	1.279		-1.9	
Acenaphthylene	1.677	1.643		-2.0	
2,6-Dinitrotoluene	0.297	0.294		-1.0	
3-Nitroaniline	0.312	0.300		-3.8	
Acenaphthene	1.133	1.124		-0.8	20.0
2,4-Dinitrophenol	0.153	0.141	0.050	-7.8	
4-Nitrophenol	0.228	0.200	0.050	-12.7	

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG No.: P4718

Instrument ID: BNA_F Calibration Date/Time: 11/18/2024 10:13

Lab File ID: BF140443.D Init. Calib. Date(s): 11/13/2024 11/13/2024

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.603	1.577		-1.6	
2,4-Dinitrotoluene	0.391	0.386		-1.3	
Diethylphthalate	1.333	1.292		-3.1	
4-Chlorophenyl-phenylether	0.625	0.630		0.8	
Fluorene	1.267	1.233		-2.7	
4-Nitroaniline	0.319	0.299		-6.3	
4,6-Dinitro-2-methylphenol	0.108	0.114		5.6	
n-Nitrosodiphenylamine	0.578	0.582		0.7	20.0
2,4,6-Tribromophenol	0.199	0.197		-1.0	
4-Bromophenyl-phenylether	0.200	0.202		1.0	
Hexachlorobenzene	0.225	0.230		2.2	
Atrazine	0.175	0.151		-13.7	
Pentachlorophenol	0.121	0.114		-5.8	20.0
Phenanthrene	0.940	0.912		-3.0	
Anthracene	0.921	0.909		-1.3	
Carbazole	0.909	0.879		-3.3	
Di-n-butylphthalate	1.091	1.076		-1.4	
Fluoranthene	1.054	0.995		-5.6	20.0
Pyrene	1.711	1.930		12.8	
Terphenyl-d14	1.152	1.302		13.0	
Butylbenzylphthalate	0.657	0.725		10.4	
3,3-Dichlorobenzidine	0.418	0.399		-4.5	
Benzo(a)anthracene	1.314	1.317		0.2	
Chrysene	1.199	1.195		-0.3	
Bis(2-ethylhexyl)phthalate	0.877	0.911		3.9	
Di-n-octyl phthalate	1.235	1.195		-3.2	20.0
Benzo(b)fluoranthene	1.308	1.228		-6.1	
Benzo(k)fluoranthene	1.069	0.973		-9.0	
Benzo(a)pyrene	1.016	1.011		-0.5	20.0
Indeno(1,2,3-cd)pyrene	1.235	1.378		11.6	
Dibenzo(a,h)anthracene	1.021	1.147		12.3	
Benzo(g,h,i)perylene	1.044	1.170		12.1	
1,2,4,5-Tetrachlorobenzene	0.553	0.560		1.3	
1,4-Dioxane	0.522	0.509		-2.5	20.0
2,3,4,6-Tetrachlorophenol	0.313	0.303		-3.2	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140270.D
Acq On : 07 Nov 2024 13:07
Operator : RC/JU
Sample : P4718-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB01

Quant Time: Nov 07 13:36:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

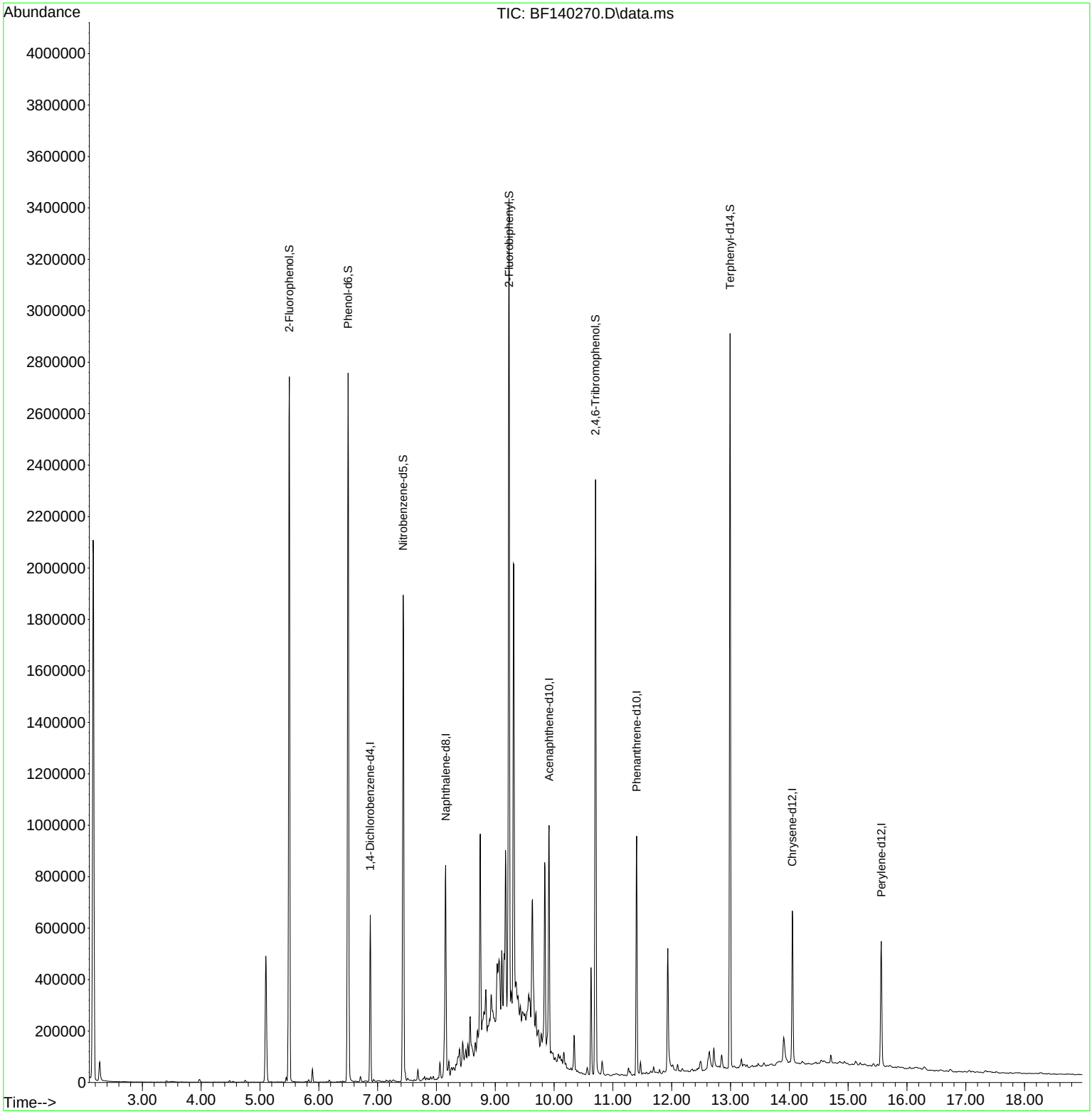
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	127578	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	477012	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	268251	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	494200	20.000	ng	0.00
76) Chrysene-d12	14.051	240	284643	20.000	ng	-0.01
86) Perylene-d12	15.563	264	292875	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1041303	135.263	ng	0.00
7) Phenol-d6	6.498	99	1329491	134.265	ng	0.00
23) Nitrobenzene-d5	7.434	82	866808	90.346	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	400726	151.131	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	1391908	82.855	ng	0.00
79) Terphenyl-d14	12.992	244	1402027	80.687	ng	0.00
Target Compounds						Qvalue

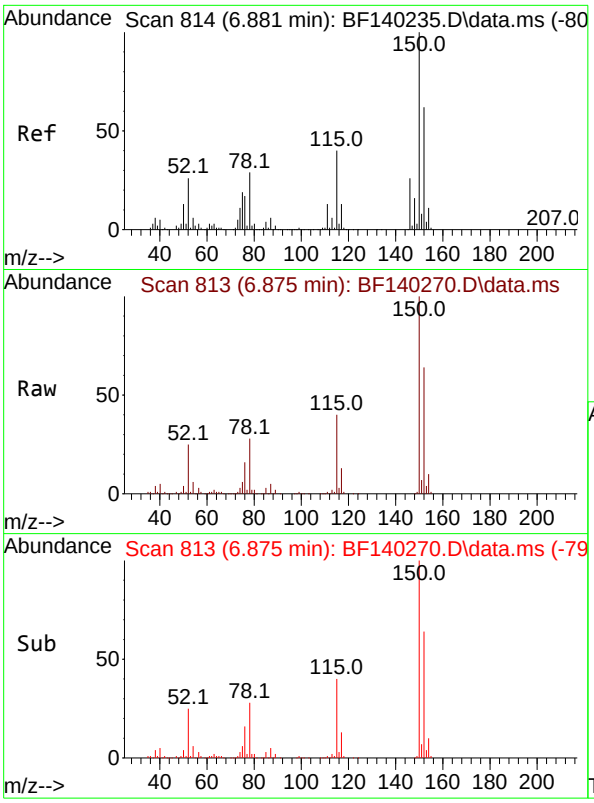
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140270.D
Acq On : 07 Nov 2024 13:07
Operator : RC/JU
Sample : P4718-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB01

Quant Time: Nov 07 13:36:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration



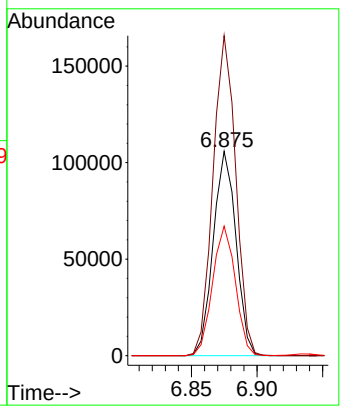


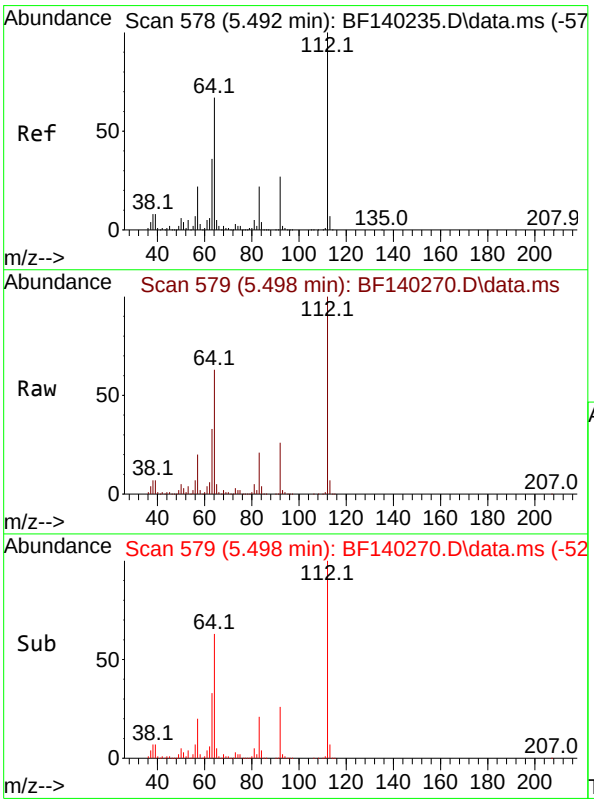
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140270.D
Acq: 07 Nov 2024 13:07

Instrument :
BNA_F
ClientSampleId :
WB-307-SB01

Tgt Ion:152 Resp: 127578

Ion	Ratio	Lower	Upper
152	100		
150	156.6	129.4	194.2
115	63.4	51.5	77.3

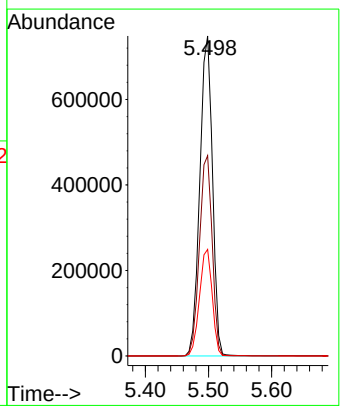


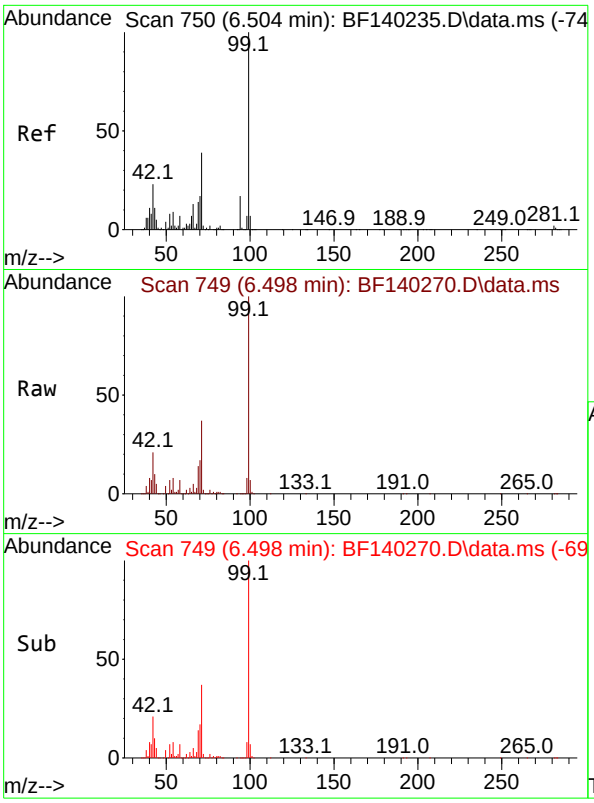


#5
2-Fluorophenol
Concen: 135.263 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF140270.D
Acq: 07 Nov 2024 13:07

Tgt Ion:112 Resp: 1041303

Ion	Ratio	Lower	Upper
112	100		
64	62.6	53.4	80.2
63	33.3	28.9	43.3



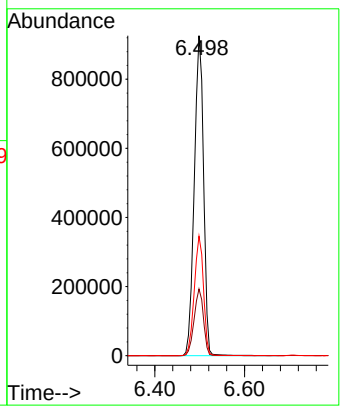


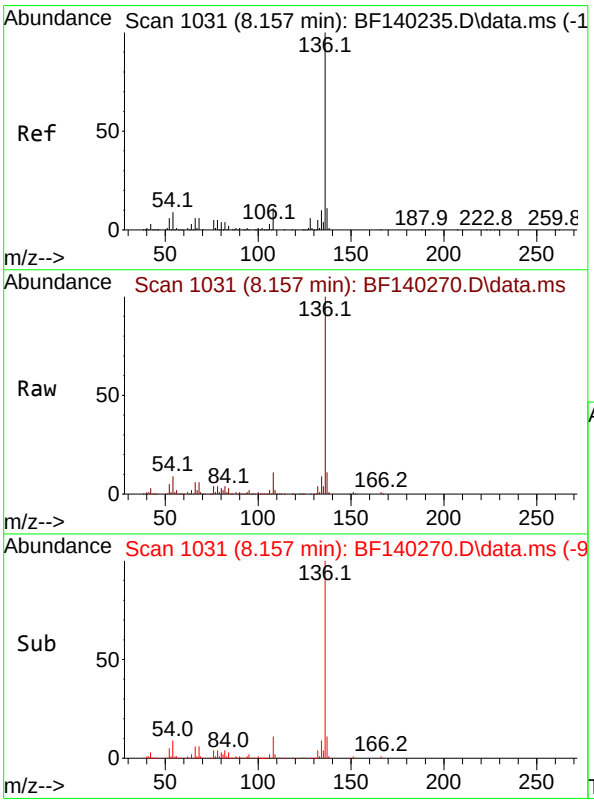
#7
Phenol-d6
Concen: 134.265 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF140270.D
Acq: 07 Nov 2024 13:07

Instrument :
BNA_F
ClientSampleId :
WB-307-SB01

Tgt Ion: 99 Resp: 1329491

Ion	Ratio	Lower	Upper
99	100		
42	20.8	18.2	27.2
71	37.4	30.9	46.3

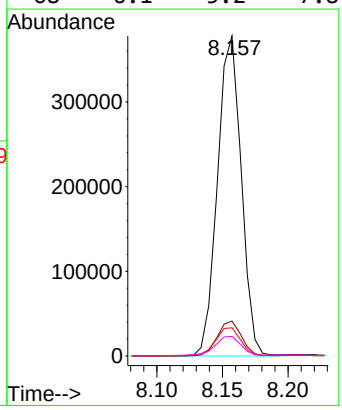


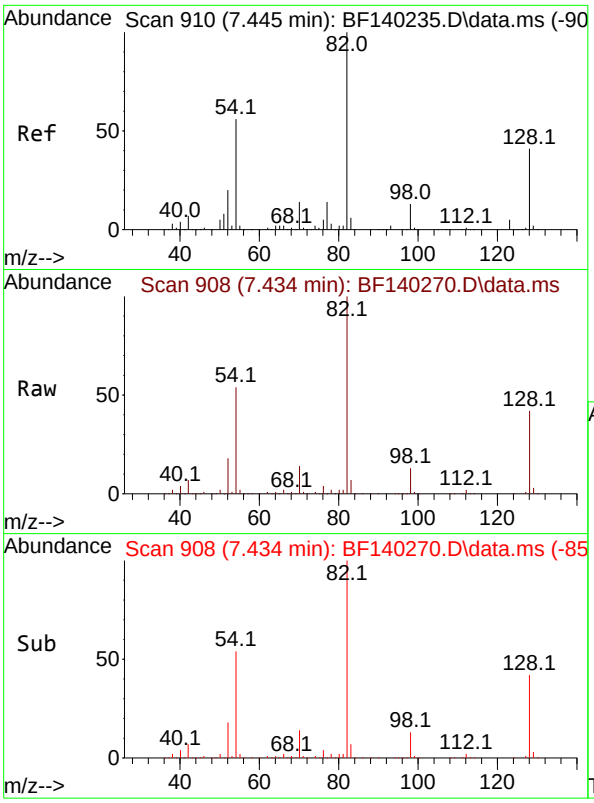


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140270.D
Acq: 07 Nov 2024 13:07

Tgt Ion:136 Resp: 477012

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.6
54	8.8	7.7	11.5
68	6.1	5.2	7.8



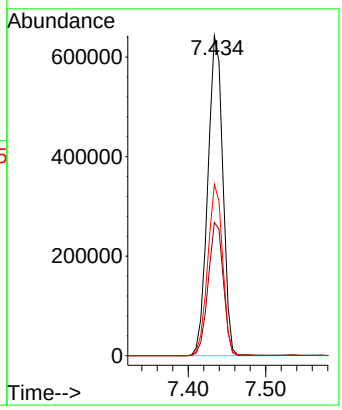


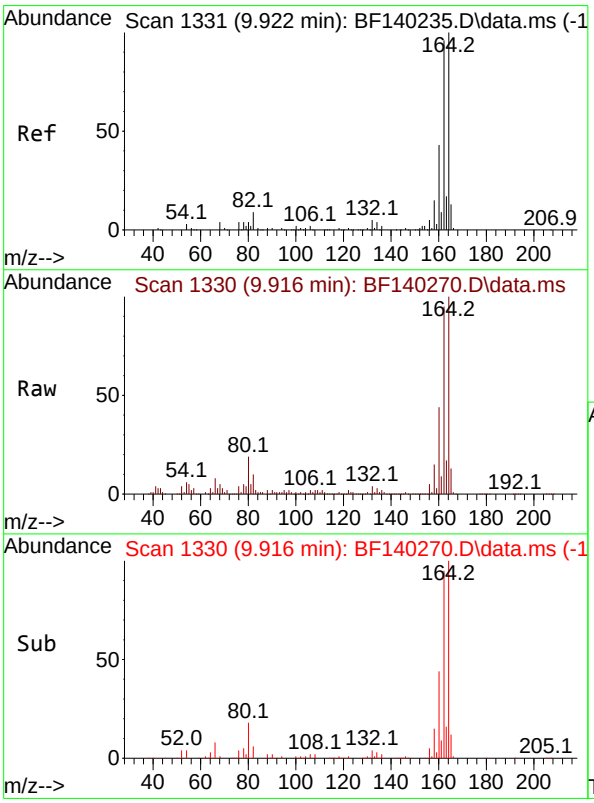
#23
Nitrobenzene-d5
Concen: 90.346 ng
RT: 7.434 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF140270.D
Acq: 07 Nov 2024 13:07

Instrument :
BNA_F
ClientSampleId :
WB-307-SB01

Tgt Ion: 82 Resp: 866808

Ion	Ratio	Lower	Upper
82	100		
128	41.6	32.8	49.2
54	53.6	44.3	66.5

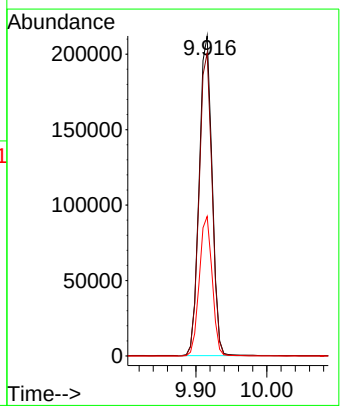


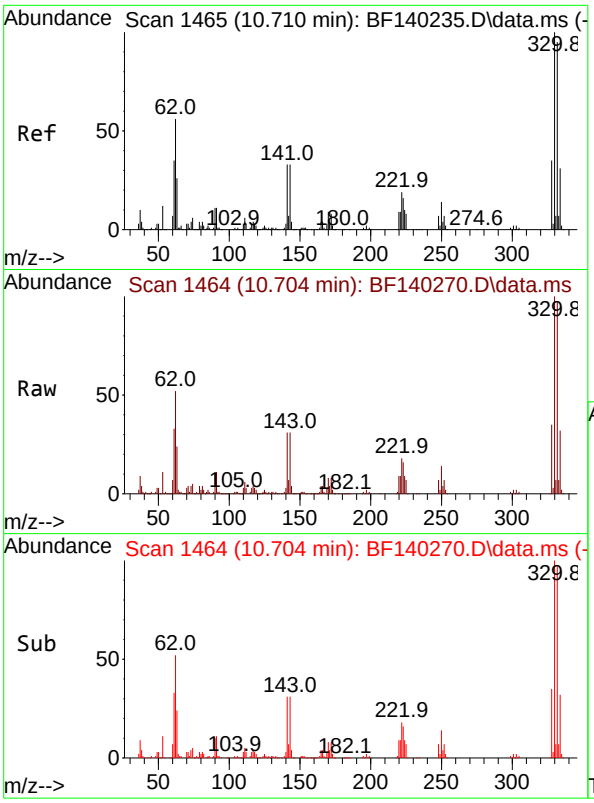


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF140270.D
Acq: 07 Nov 2024 13:07

Tgt Ion:164 Resp: 268251

Ion	Ratio	Lower	Upper
164	100		
162	94.7	77.0	115.4
160	43.6	34.1	51.1



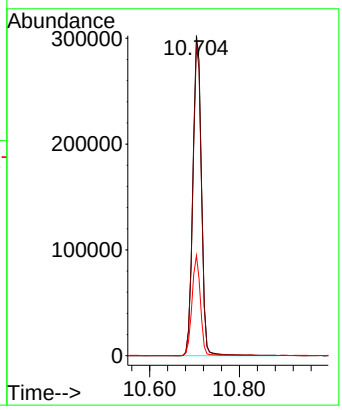


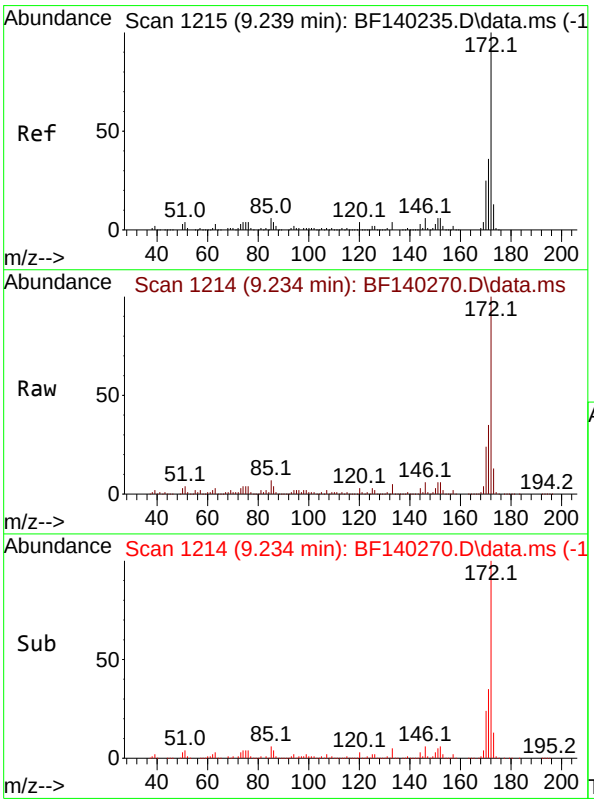
#42
2,4,6-Tribromophenol
Concen: 151.131 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140270.D
Acq: 07 Nov 2024 13:07

Instrument :
BNA_F
ClientSampleId :
WB-307-SB01

Tgt Ion:330 Resp: 400726

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.4	114.6
141	30.7	27.0	40.4

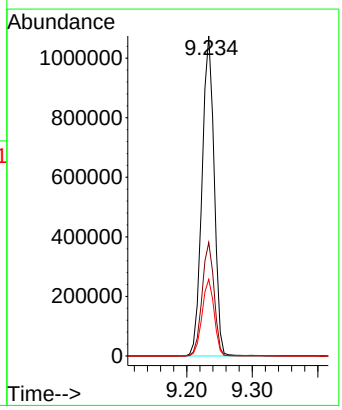


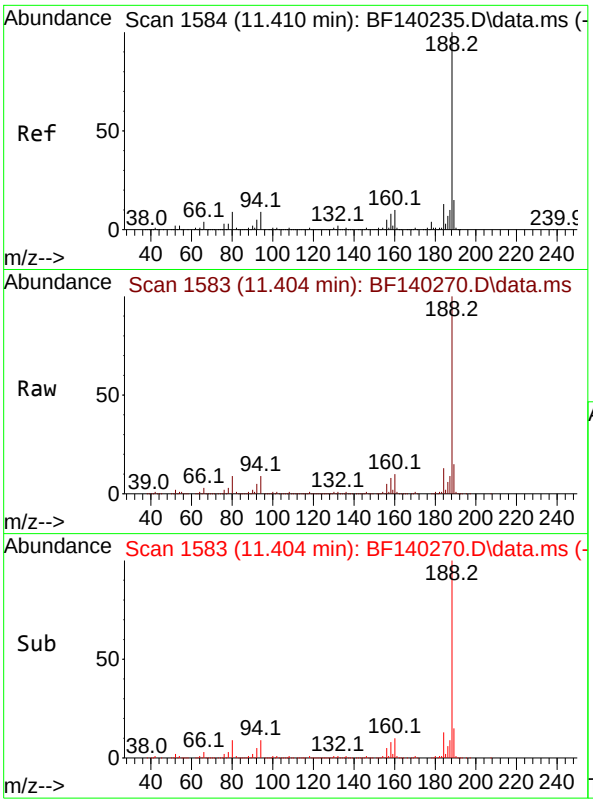


#45
2-Fluorobiphenyl
Concen: 82.855 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF140270.D
Acq: 07 Nov 2024 13:07

Tgt Ion:172 Resp: 1391908

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.8	43.2
170	24.0	19.6	29.4



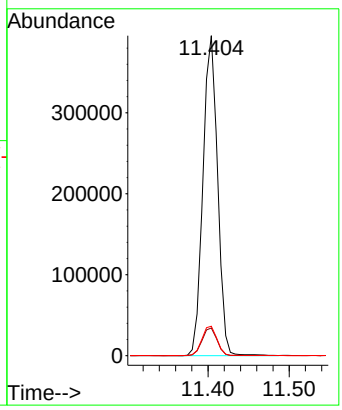


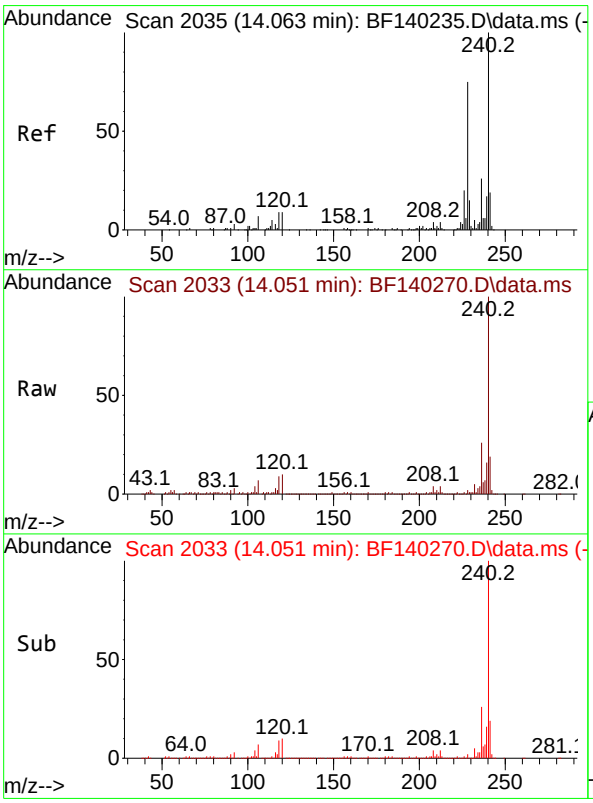
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140270.D
Acq: 07 Nov 2024 13:07

Instrument :
BNA_F
ClientSampleId :
WB-307-SB01

Tgt Ion:188 Resp: 494200

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.9	10.3
80	9.2	7.5	11.3

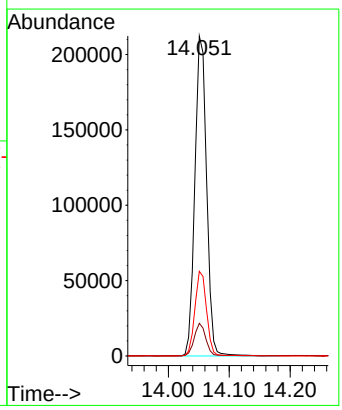


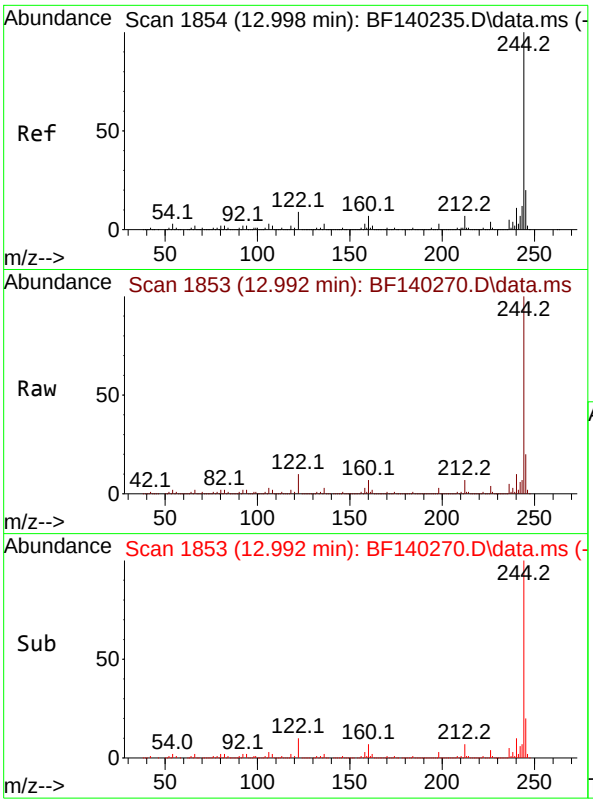


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.012 min
Lab File: BF140270.D
Acq: 07 Nov 2024 13:07

Tgt Ion:240 Resp: 284643

Ion	Ratio	Lower	Upper
240	100		
120	10.2	7.5	11.3
236	26.5	20.9	31.3



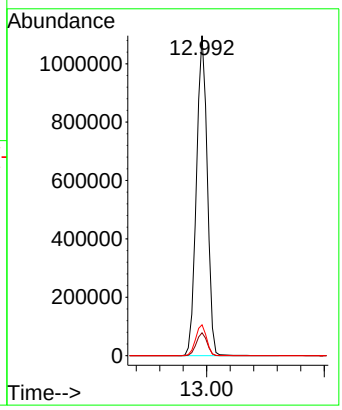


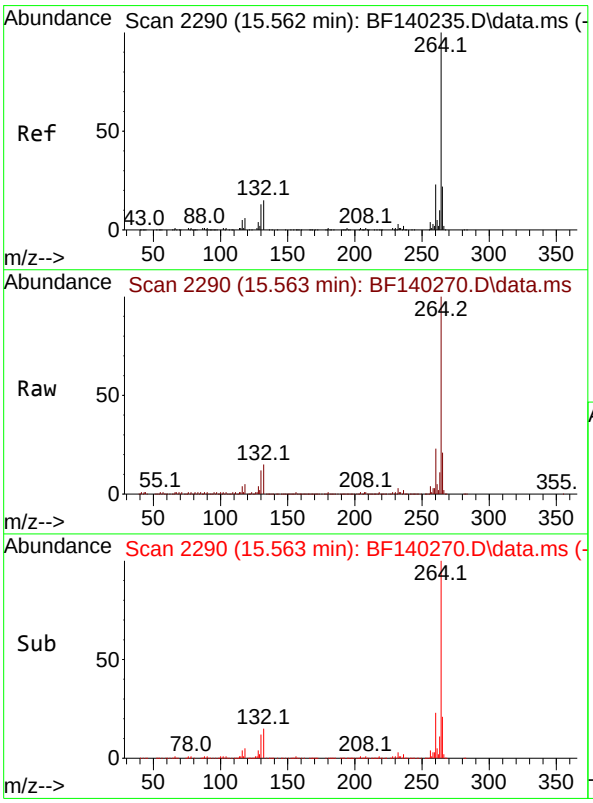
#79
Terphenyl-d14
Concen: 80.687 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140270.D
Acq: 07 Nov 2024 13:07

Instrument :
BNA_F
ClientSampleId :
WB-307-SB01

Tgt Ion:244 Resp: 1402027

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	9.6	7.6	11.4

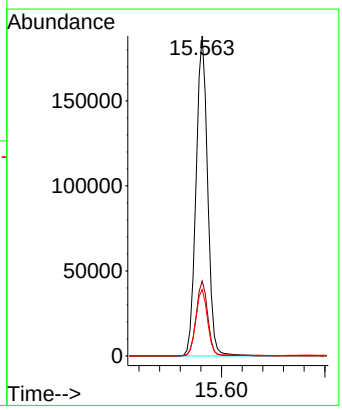




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2290
Delta R.T. 0.000 min
Lab File: BF140270.D
Acq: 07 Nov 2024 13:07

Tgt Ion:264 Resp: 292875

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.8	28.2
265	20.7	17.3	25.9



Sample Results: **BF140270.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140270.D
Acq On : 07 Nov 2024 13:07
Operator : RC/JU
Sample : P4718-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140270.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.163	5	12	25	rVB	2100890	3432553	83.67%	8.019%
2	2.275	25	31	44	rVB2	72810	123318	3.01%	0.288%
3	5.099	496	511	523	rBV	490571	809578	19.73%	1.891%
4	5.498	573	579	584	rBV	2736606	3802445	92.69%	8.884%
5	5.893	641	646	652	rVB	50474	62994	1.54%	0.147%
6	6.498	742	749	766	rVB	2755059	3987136	97.19%	9.315%
7	6.875	808	813	819	rVB	647987	790786	19.28%	1.848%
8	7.434	897	908	913	rBV	1892479	2571715	62.69%	6.008%
9	7.687	946	951	957	rVB	43233	58209	1.42%	0.136%
10	8.057	1010	1014	1020	rBV	60266	78887	1.92%	0.184%
11	8.157	1020	1031	1035	rBV	827389	1252741	30.54%	2.927%
12	8.210	1037	1040	1044	rVB2	54185	65387	1.59%	0.153%
13	8.257	1044	1048	1051	rBV4	30018	56271	1.37%	0.131%
14	8.369	1063	1067	1068	rBV3	31038	42937	1.05%	0.100%
15	8.392	1068	1071	1075	rVB2	66781	88509	2.16%	0.207%
16	8.445	1075	1080	1084	rBV4	94239	149514	3.64%	0.349%
17	8.534	1092	1095	1098	rBV3	52877	64660	1.58%	0.151%
18	8.575	1098	1102	1112	rBV	153982	262957	6.41%	0.614%
19	8.663	1113	1117	1119	rBV2	46835	63386	1.55%	0.148%
20	8.698	1119	1123	1125	rBV	78089	110427	2.69%	0.258%
21	8.745	1126	1131	1135	rVV	798920	1024930	24.98%	2.395%
22	8.804	1135	1141	1144	rVV4	89374	236590	5.77%	0.553%
23	8.839	1144	1147	1151	rVB	161506	218052	5.32%	0.509%
24	8.928	1159	1162	1166	rBV3	98436	143109	3.49%	0.334%
25	9.034	1176	1180	1182	rBV2	220782	336096	8.19%	0.785%
26	9.110	1190	1193	1197	rBV	228895	266714	6.50%	0.623%
27	9.151	1197	1200	1201	rBV	205170	211700	5.16%	0.495%
28	9.175	1201	1204	1208	rVB	607448	752282	18.34%	1.758%
29	9.234	1208	1214	1218	rBV	3140733	4102373	100.00%	9.584%
30	9.269	1218	1220	1223	rVB	45016	42877	1.05%	0.100%
31	9.310	1223	1227	1232	rBV	1709349	2349158	57.26%	5.488%
32	9.634	1277	1282	1289	rVV2	495829	928547	22.63%	2.169%
33	9.692	1289	1292	1295	rVB	89102	104375	2.54%	0.244%
34	9.781	1304	1307	1310	rBV3	47374	68301	1.66%	0.160%
35	9.839	1313	1317	1322	rVV	723515	995440	24.26%	2.326%
36	9.916	1325	1330	1334	rVB	883652	1168856	28.49%	2.731%

Sample Results: **BF140270.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140270.D
Acq On : 07 Nov 2024 13:07
Operator : RC/JU
Sample : P4718-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.163	1369	1372	1377	rVB4	46122	62923	1.53%	0.147%
38	10.339	1397	1402	1407	rVB	132524	173998	4.24%	0.407%
39	10.563	1436	1440	1446	rVB	28037	41949	1.02%	0.098%
40	10.628	1446	1451	1458	rVV	417207	525180	12.80%	1.227%
41	10.704	1458	1464	1478	rVV	2315349	3041924	74.15%	7.107%
42	10.816	1479	1483	1492	rVB	53615	93274	2.27%	0.218%
43	11.263	1555	1559	1563	rBV2	28562	46680	1.14%	0.109%
44	11.404	1577	1583	1590	rBV	929867	1184906	28.88%	2.768%
45	11.469	1590	1594	1598	rVB2	47675	61763	1.51%	0.144%
46	11.933	1667	1673	1684	rBV	478874	762182	18.58%	1.781%
47	12.492	1763	1768	1774	rVB4	36368	73369	1.79%	0.171%
48	12.639	1786	1793	1802	rBV2	64412	166262	4.05%	0.388%
49	12.716	1802	1806	1818	rVB	75681	124366	3.03%	0.291%
50	12.851	1824	1829	1836	rVB	50199	85327	2.08%	0.199%
51	12.992	1847	1853	1858	rBV	2856046	3658449	89.18%	8.547%
52	13.904	2003	2008	2022	rVB2	97592	232375	5.66%	0.543%
53	14.051	2028	2033	2045	rVB	591954	832279	20.29%	1.944%
54	14.704	2141	2144	2151	rVB	30503	41084	1.00%	0.096%
55	15.563	2284	2290	2302	rVB	486848	770568	18.78%	1.800%

Sum of corrected areas: 42802668

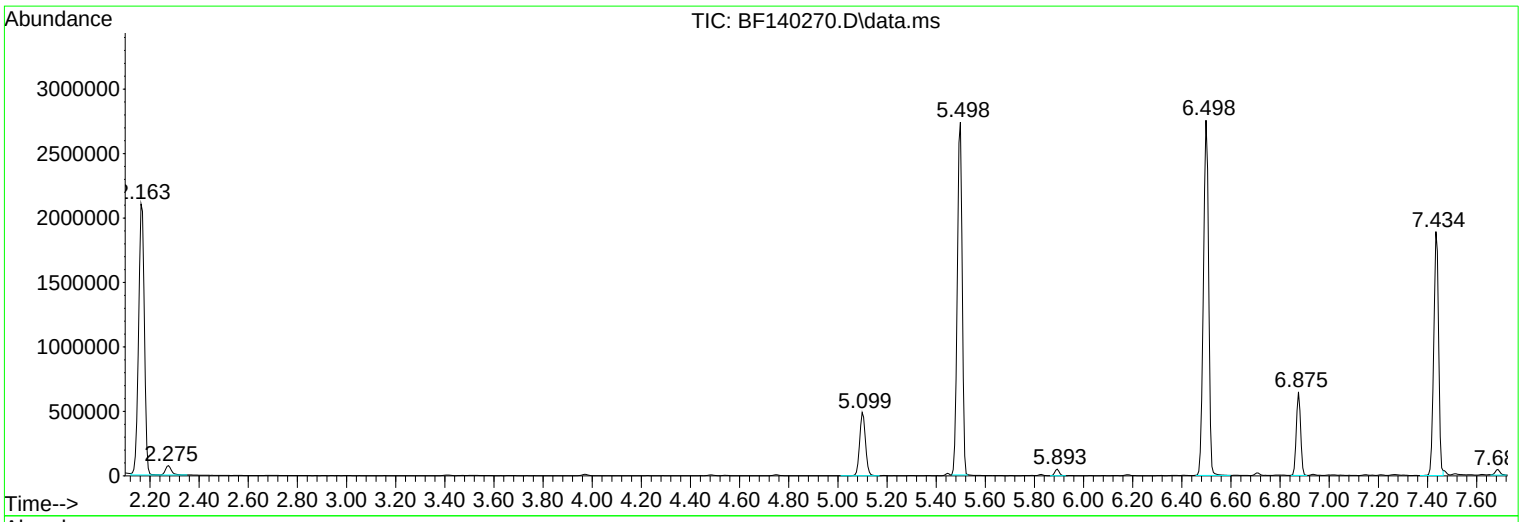
Sample Results: **BF140270.D**

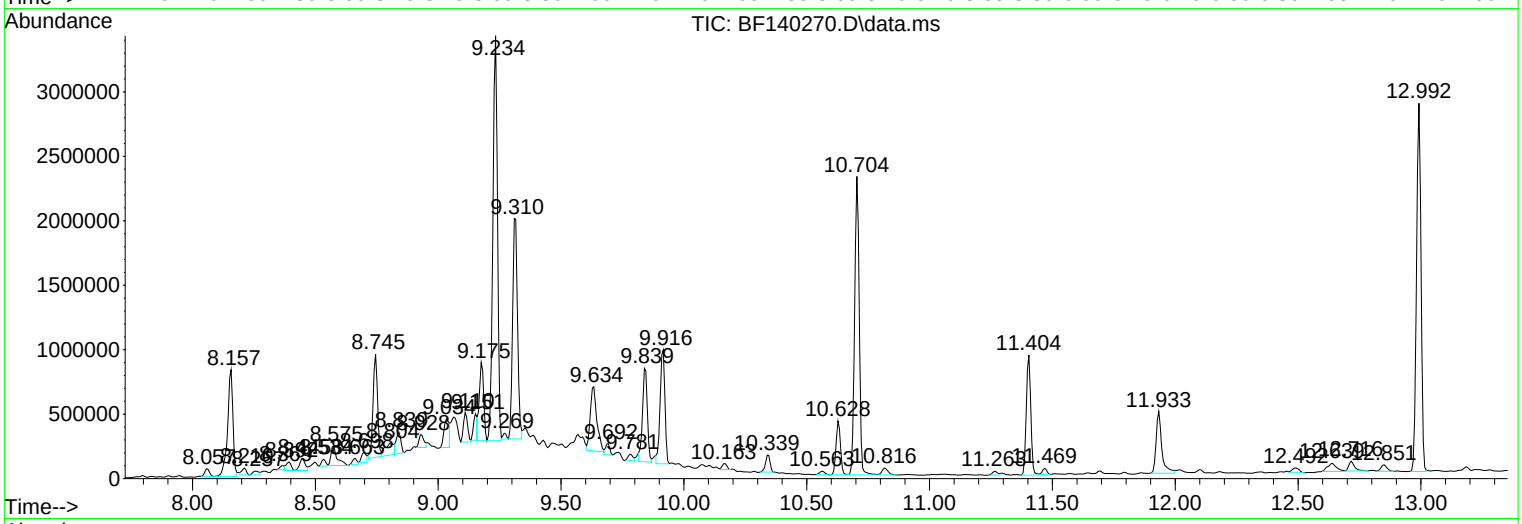
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140270.D
Acq On : 07 Nov 2024 13:07
Operator : RC/JU
Sample : P4718-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

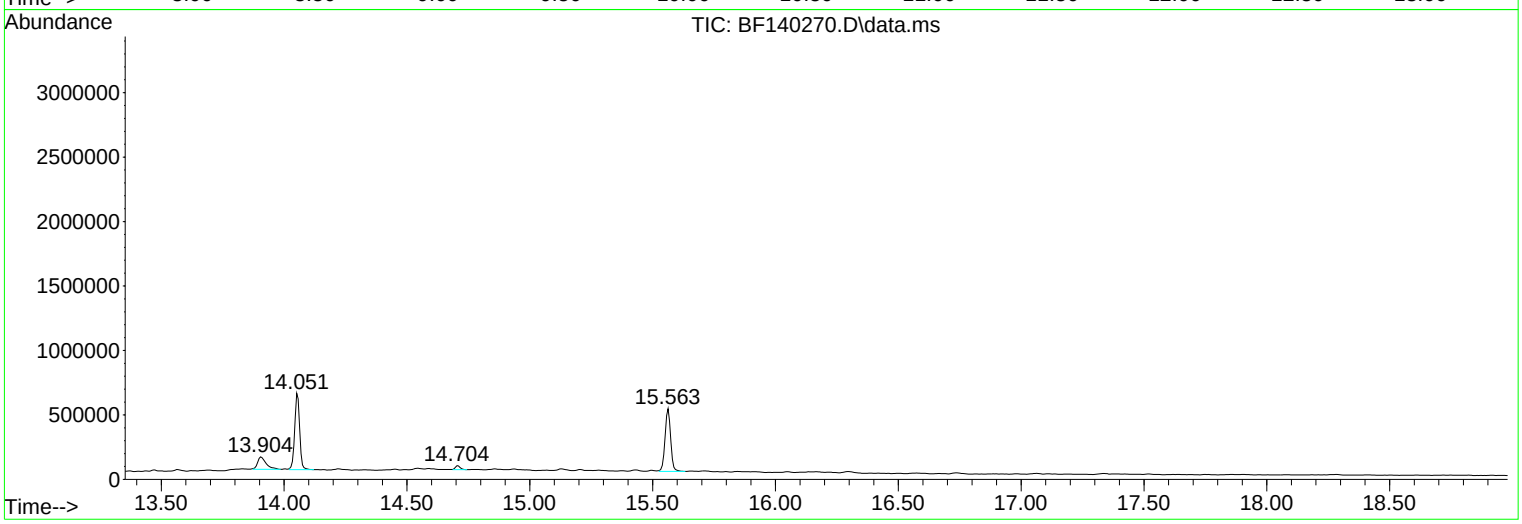
Instrument :
BNA_F
ClientSampleId :
WB-307-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140270.D
Acq On : 07 Nov 2024 13:07
Operator : RC/JU
Sample : P4718-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

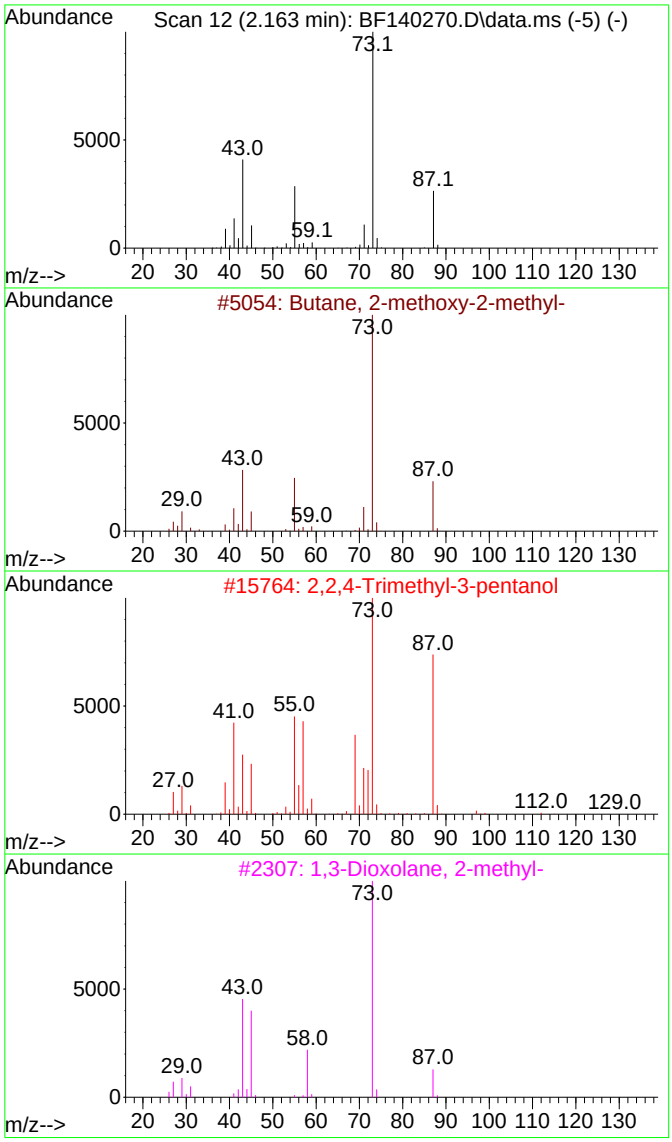
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

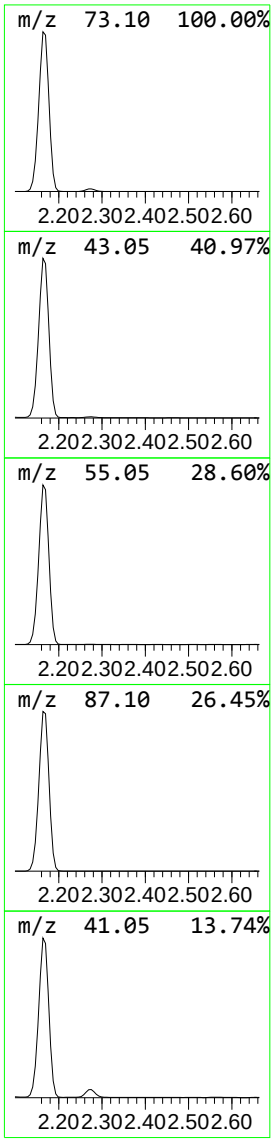
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.163	86.81 ng	3432550	1,4-Dichlorobenzene-d4	6.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140270.D
Acq On : 07 Nov 2024 13:07
Operator : RC/JU
Sample : P4718-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

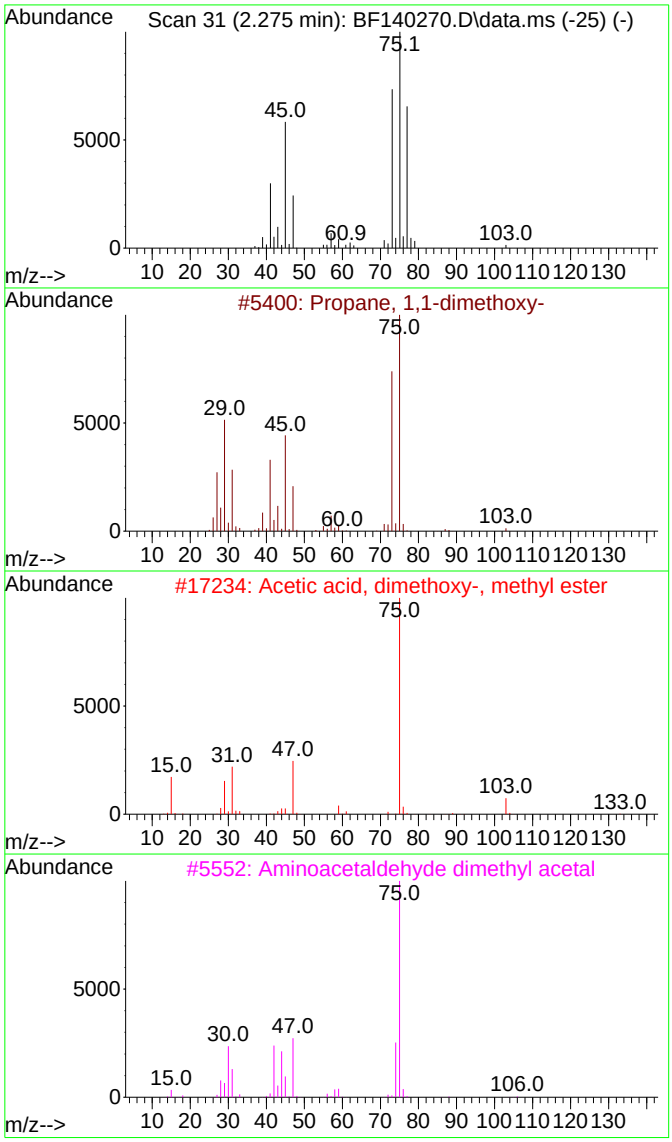
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

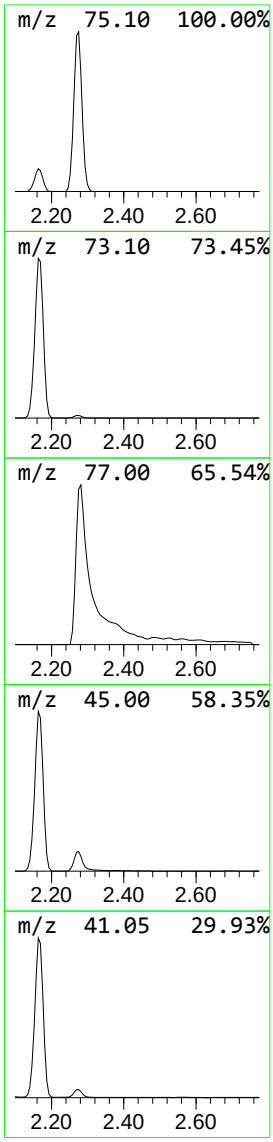
****

Peak Number 2 Propane, 1,1-dimethoxy- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.275	3.12 ng	123318	1,4-Dichlorobenzene-d4	6.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	59
2	Acetic acid, dimethoxy-, methyl ...	134	C5H10O4	000089-91-8	38
3	Aminoacetaldehyde dimethyl acetal	105	C4H11NO2	022483-09-6	23
4	Ethanethioamide	75	C2H5NS	000062-55-5	9
5	Ethanol, 2-methoxy-	76	C3H8O2	000109-86-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140270.D
Acq On : 07 Nov 2024 13:07
Operator : RC/JU
Sample : P4718-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

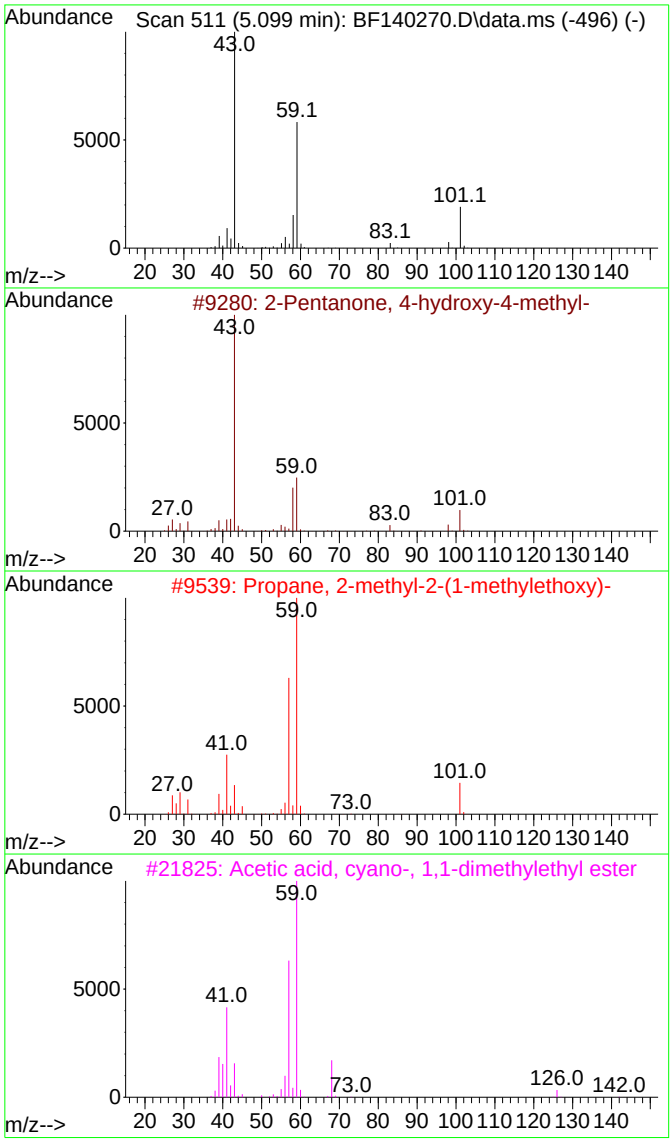
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

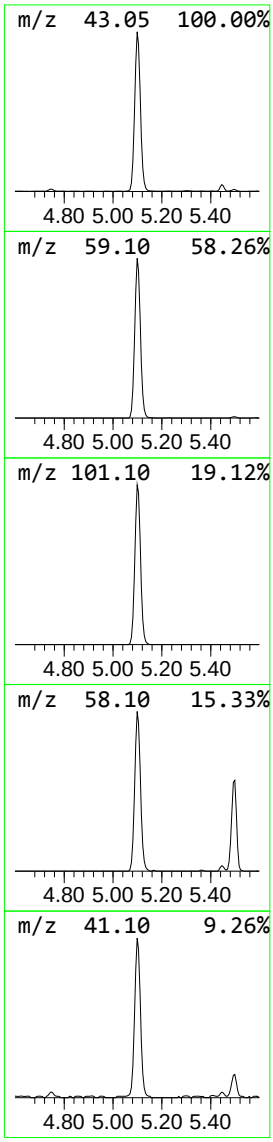
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.099	20.48 ng	809578	1,4-Dichlorobenzene-d4	6.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	23
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140270.D
Acq On : 07 Nov 2024 13:07
Operator : RC/JU
Sample : P4718-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

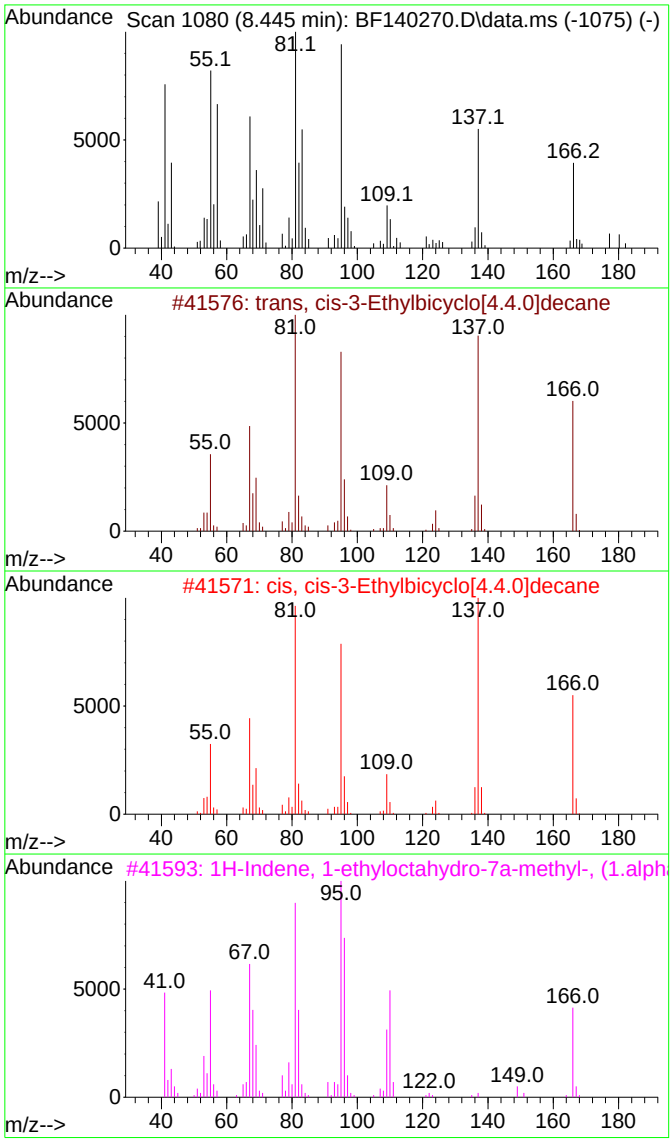
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

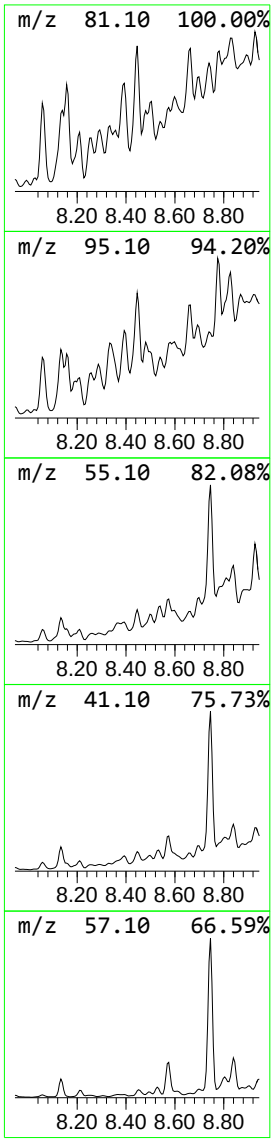
****

Peak Number 4 trans, cis-3-Ethylbicyclo[4... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.445	2.39 ng	149514	Naphthalene-d8	8.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	90
2	cis, cis-3-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-42-2	81
3	1H-Indene, 1-ethyloctahydro-7a-m...	166	C12H22	056324-71-1	70
4	cis, cis-2-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-40-0	62
5	trans, cis-2-Ethylbicyclo[4.4.0]...	166	C12H22	066660-39-7	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140270.D
Acq On : 07 Nov 2024 13:07
Operator : RC/JU
Sample : P4718-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

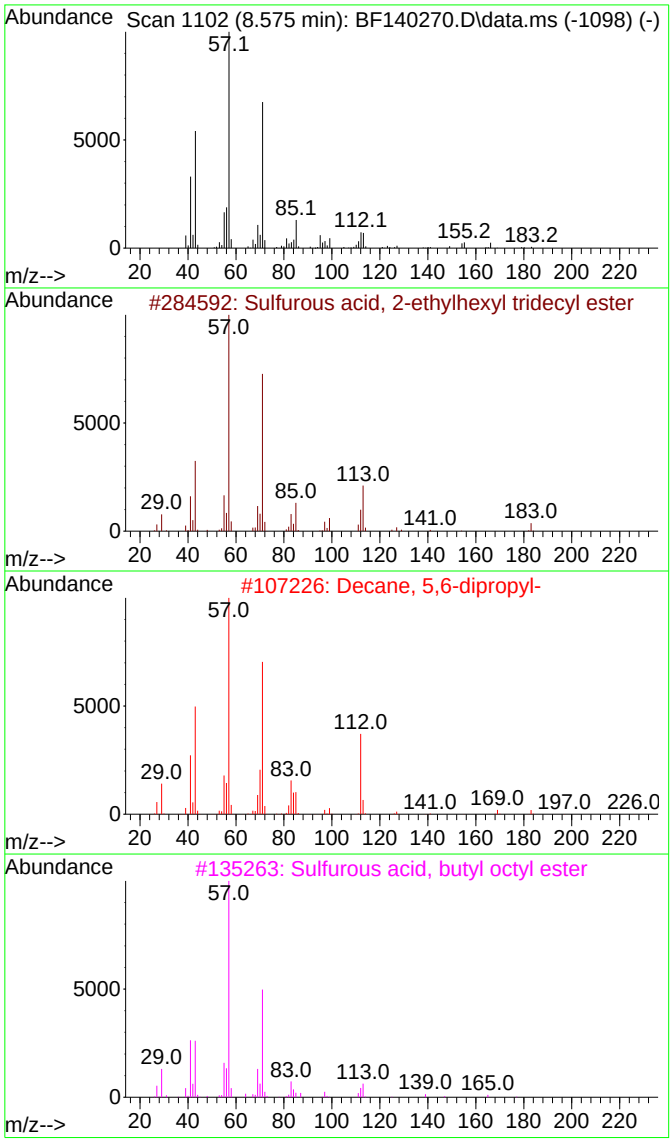
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

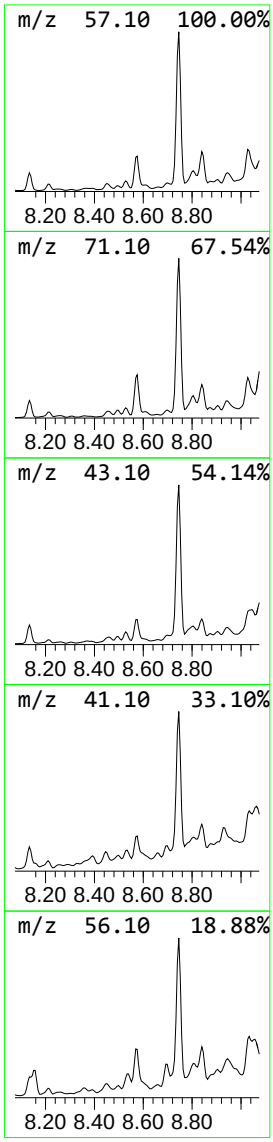
****

Peak Number 5 Sulfurous acid, 2-ethylhexy... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.575	4.20 ng	262957	Naphthalene-d8	8.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	78
2	Decane, 5,6-dipropyl-	226	C16H34	119209-20-0	72
3	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	72
4	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	72
5	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140270.D
Acq On : 07 Nov 2024 13:07
Operator : RC/JU
Sample : P4718-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

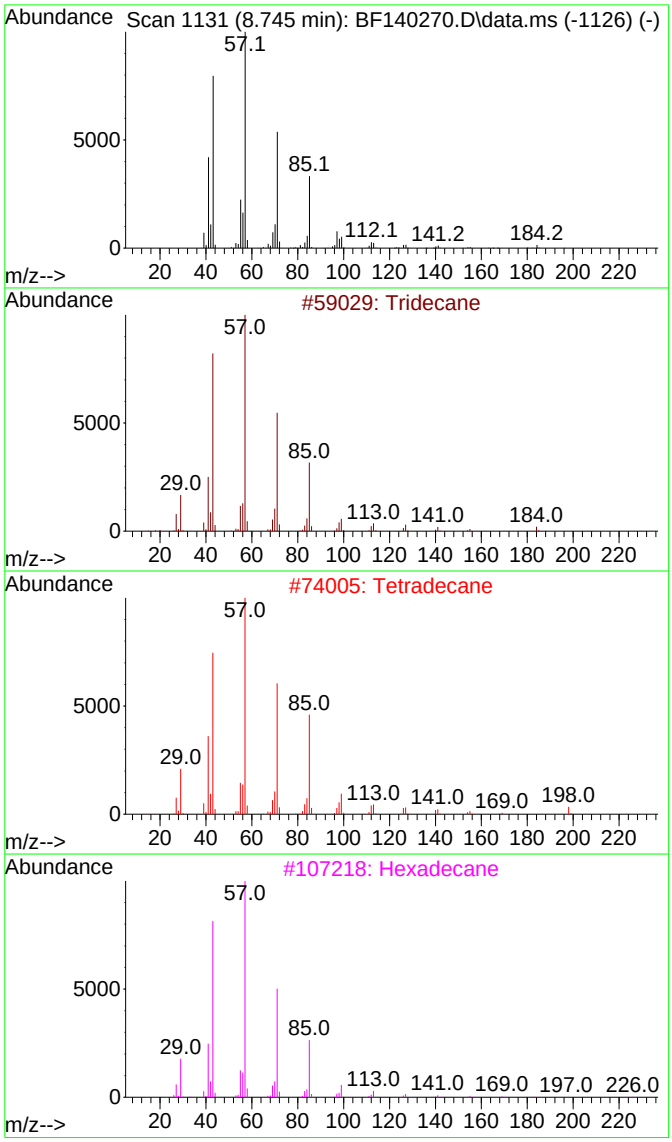
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

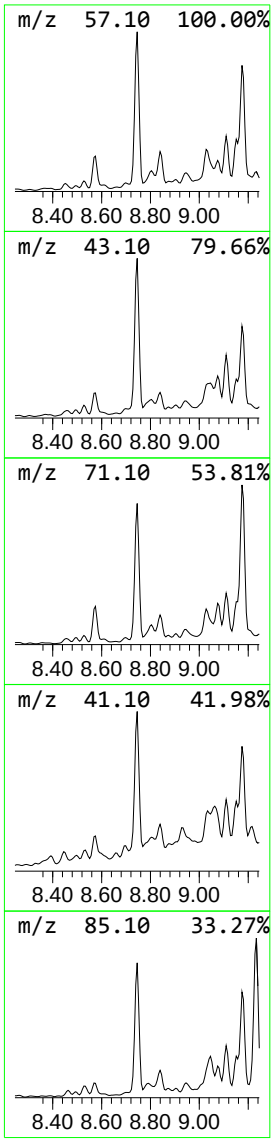
****

Peak Number 6 Tridecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.745	16.36 ng	1024930	Naphthalene-d8	8.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	91
2	Tetradecane	198	C14H30	000629-59-4	86
3	Hexadecane	226	C16H34	000544-76-3	86
4	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	78
5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140270.D
Acq On : 07 Nov 2024 13:07
Operator : RC/JU
Sample : P4718-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

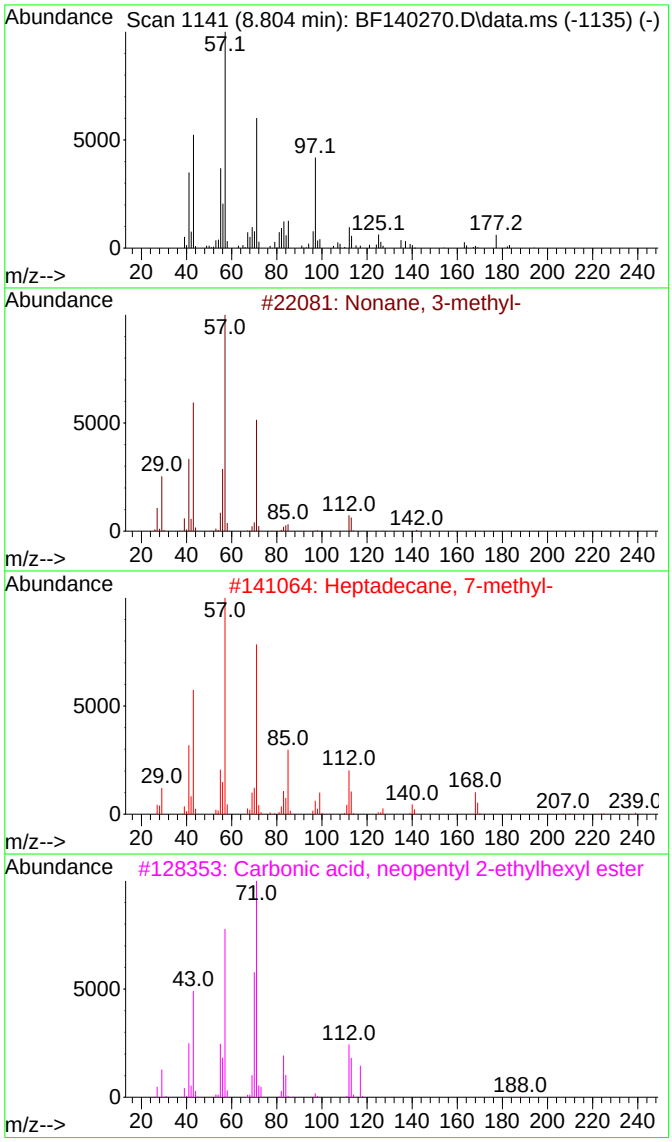
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

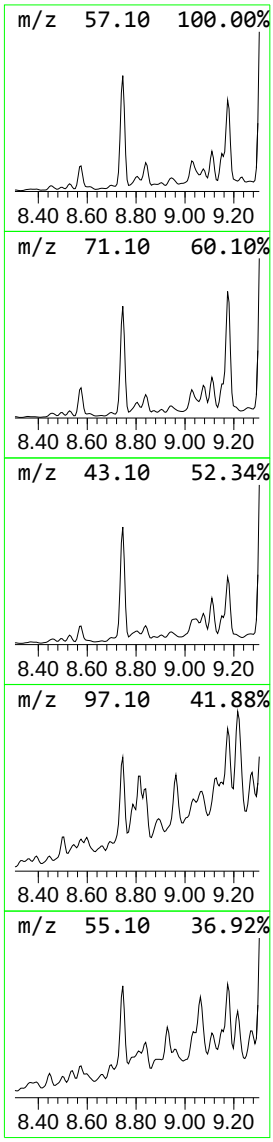
****

Peak Number 7 unknown8.804 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.804	3.78 ng	236590	Naphthalene-d8	8.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	47
2	Heptadecane, 7-methyl-	254	C18H38	020959-33-5	43
3	Carbonic acid, neopentyl 2-ethyl...	244	C14H28O3	1000357-85-7	38
4	6-Methyl-2-heptanol, 2-methylpro...	200	C12H24O2	1000447-36-7	38
5	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	38





```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140270.D
Acq On    : 07 Nov 2024  13:07
Operator  : RC/JU
Sample    : P4718-01
Misc      :
ALS Vial  : 11   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

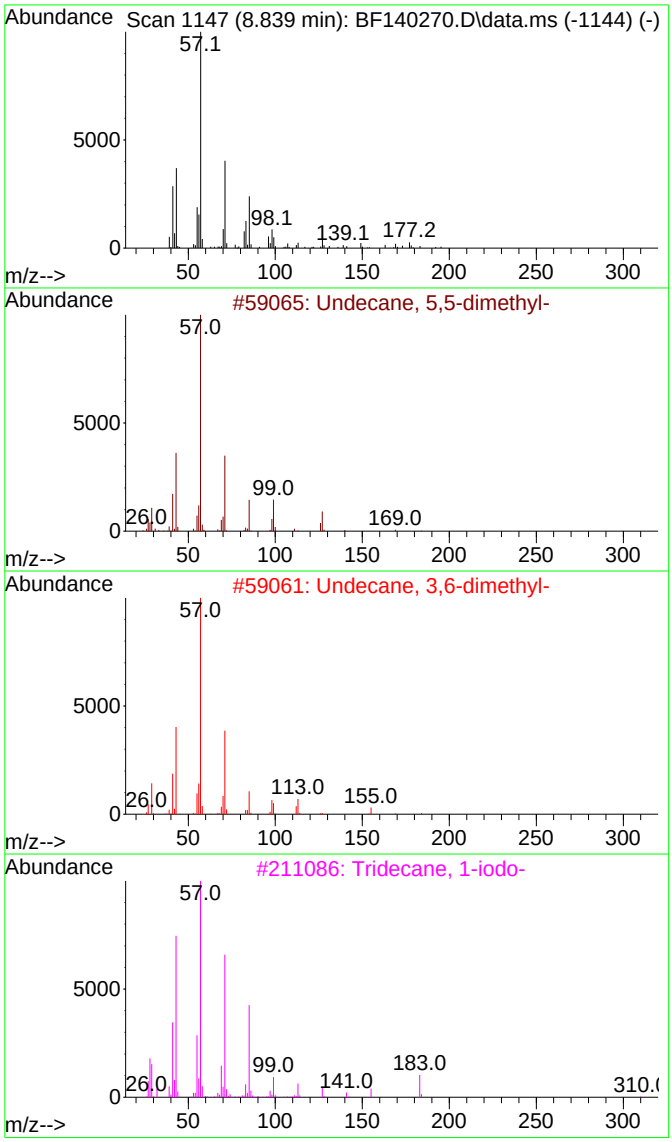
Instrument :
BNA_F
ClientSampleId :
WB-307-SB01

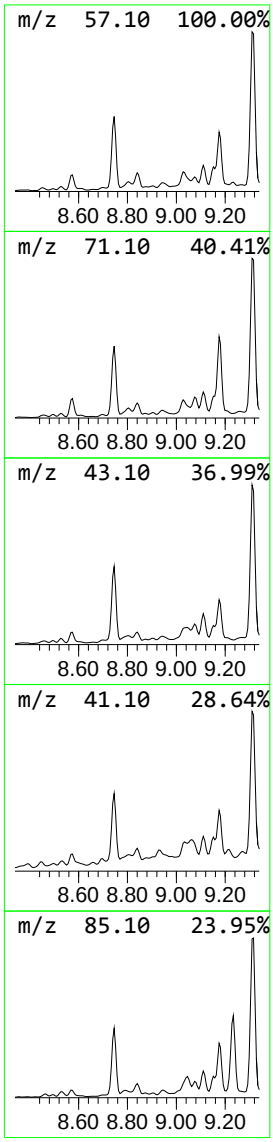
****

Peak Number 8 Undecane, 5,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.839	3.48 ng	218052	Naphthalene-d8	8.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5,5-dimethyl-	184	C13H28	017312-73-1	64
2	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	53
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	53
4	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	53
5	Dodecane, 6-methyl-	184	C13H28	006044-71-9	53





Sample Results: **BF140270.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140270.D
Acq On : 07 Nov 2024 13:07
Operator : RC/JU
Sample : P4718-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

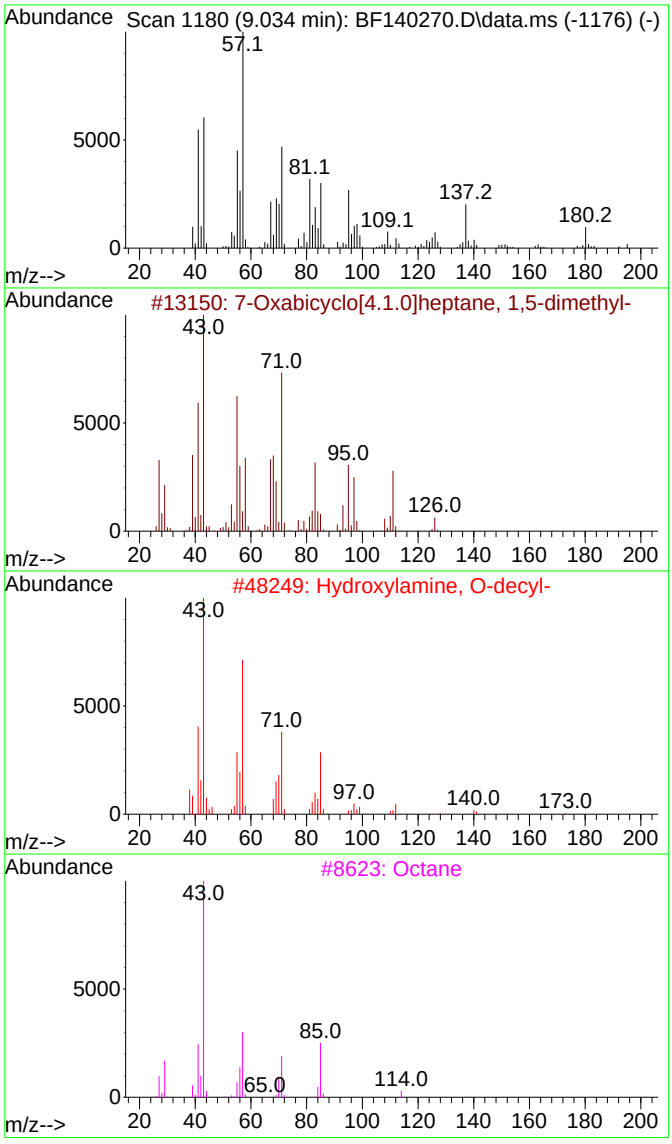
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

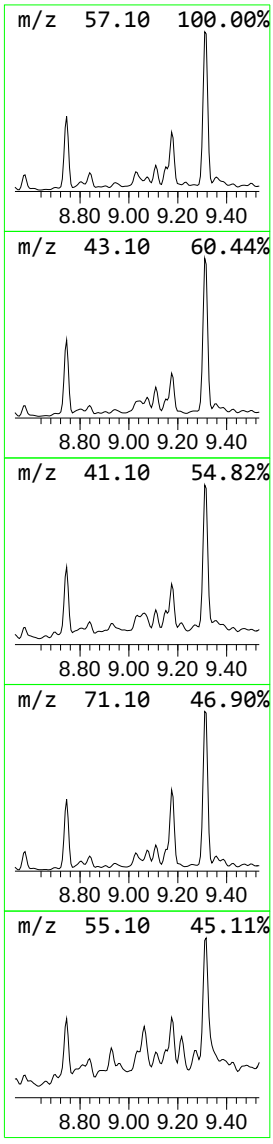
****

Peak Number 9 unknown9.034 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.034	5.37 ng	336096	Naphthalene-d8	8.157

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Oxabicyclo[4.1.0]heptane, 1,5-...	126	C8H14O	162239-52-3	45
2	Hydroxylamine, O-decyl-	173	C10H23NO	029812-79-1	43
3	Octane	114	C8H18	000111-65-9	43
4	Carbonic acid, dodecyl vinyl ester	256	C15H28O3	1000382-54-8	43
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140270.D
Acq On : 07 Nov 2024 13:07
Operator : RC/JU
Sample : P4718-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

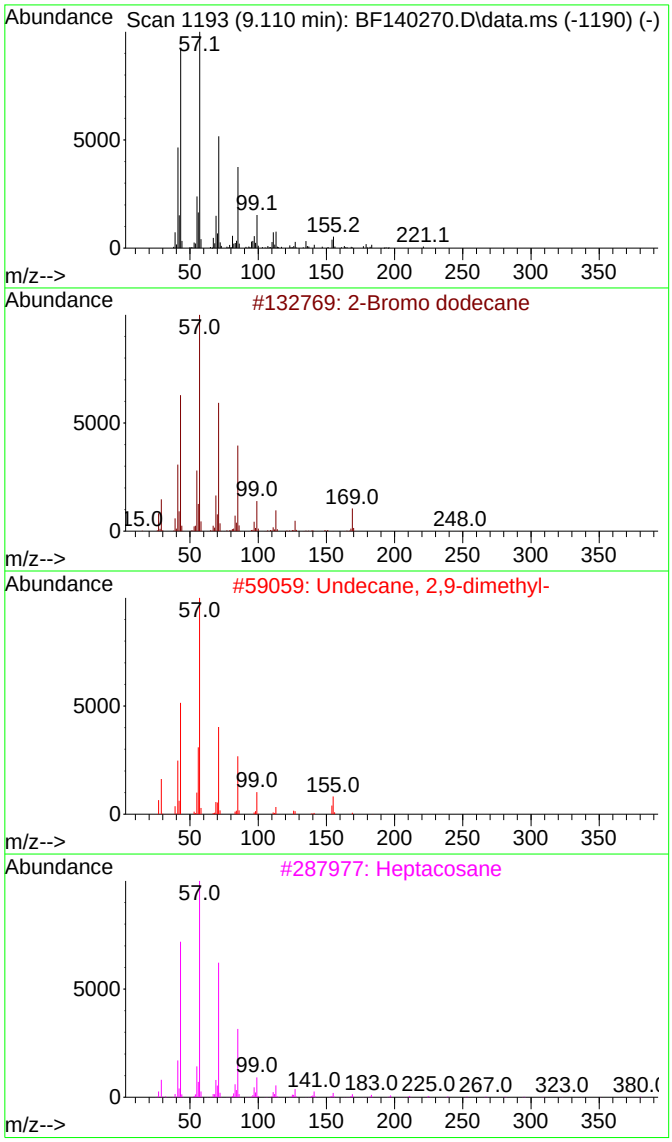
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

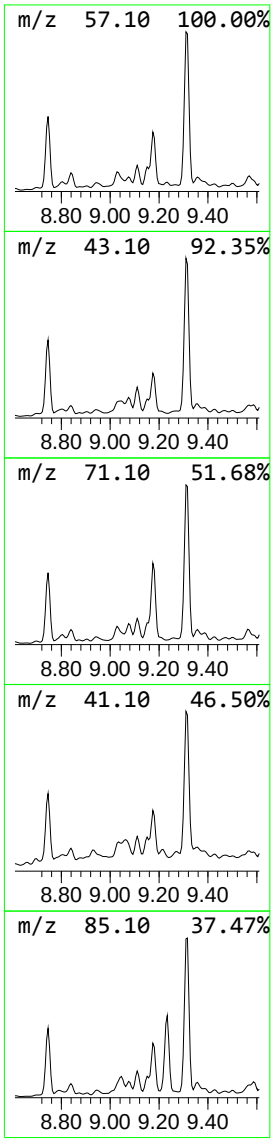
****

Peak Number 10 2-Bromo dodecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.110	4.56 ng	266714	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane	248	C12H25Br	013187-99-0	86
2	Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	80
3	Heptacosane	380	C27H56	000593-49-7	80
4	1-Iodoundecane	282	C11H23I	004282-44-4	72
5	Octacosane	394	C28H58	000630-02-4	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140270.D
Acq On : 07 Nov 2024 13:07
Operator : RC/JU
Sample : P4718-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

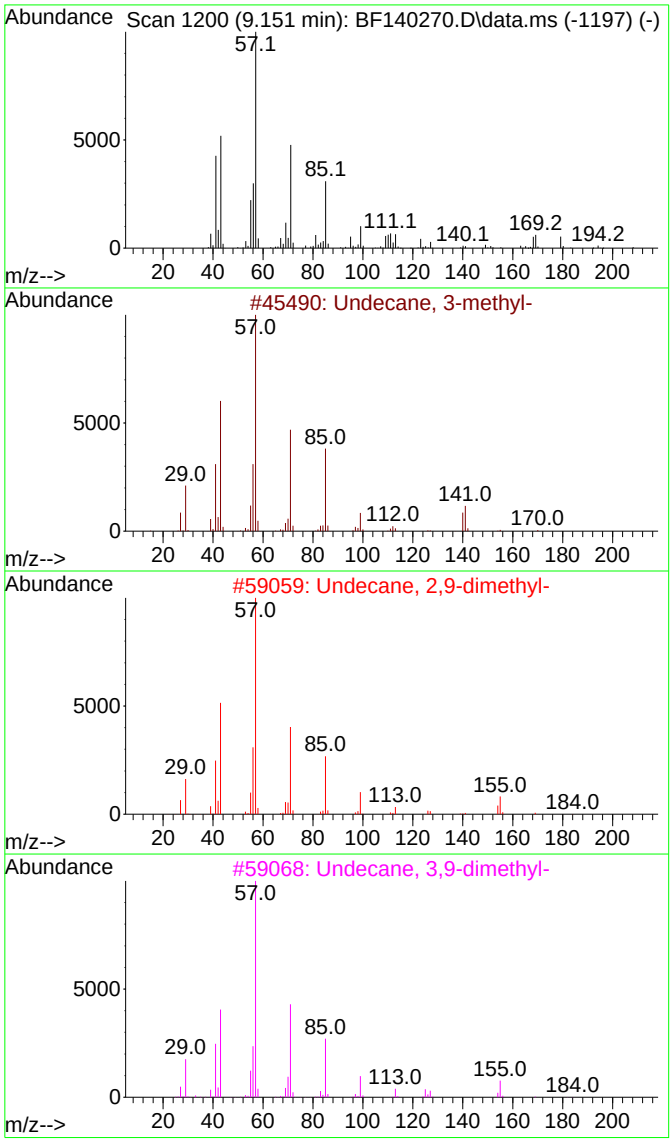
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

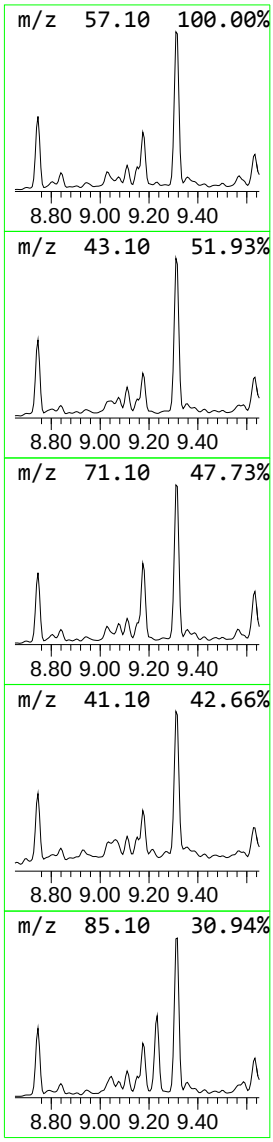
****

Peak Number 11 Undecane, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.151	3.62 ng	211700	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3-methyl-	170	C12H26	001002-43-3	74
2	Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	64
3	Undecane, 3,9-dimethyl-	184	C13H28	017301-31-4	64
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	64
5	Undecane, 5-methyl-	170	C12H26	001632-70-8	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140270.D
Acq On : 07 Nov 2024 13:07
Operator : RC/JU
Sample : P4718-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

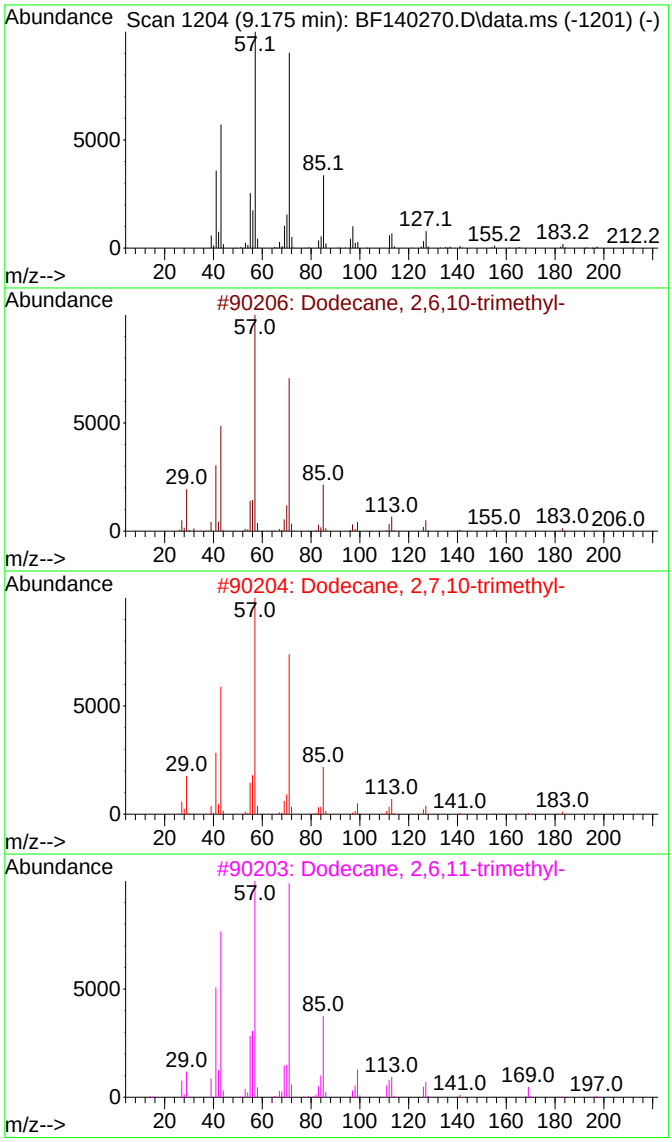
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

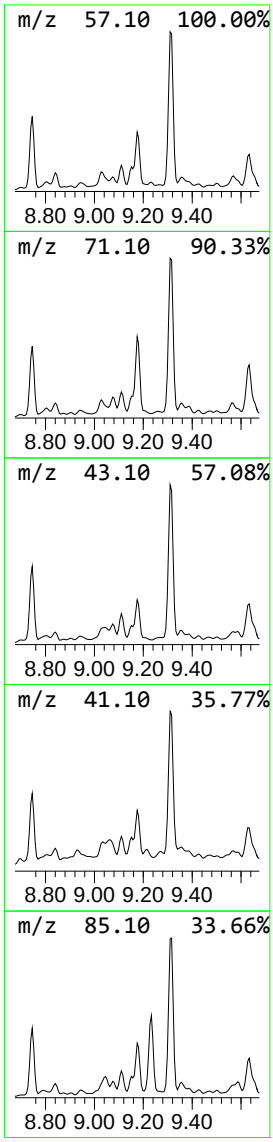
****

Peak Number 12 Dodecane, 2,6,10-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.175	12.87 ng	752282	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	86
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
4	Sulfurous acid, pentyl tetradecy...	348	C19H40O3S	1010309-14-7	72
5	Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140270.D
Acq On : 07 Nov 2024 13:07
Operator : RC/JU
Sample : P4718-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

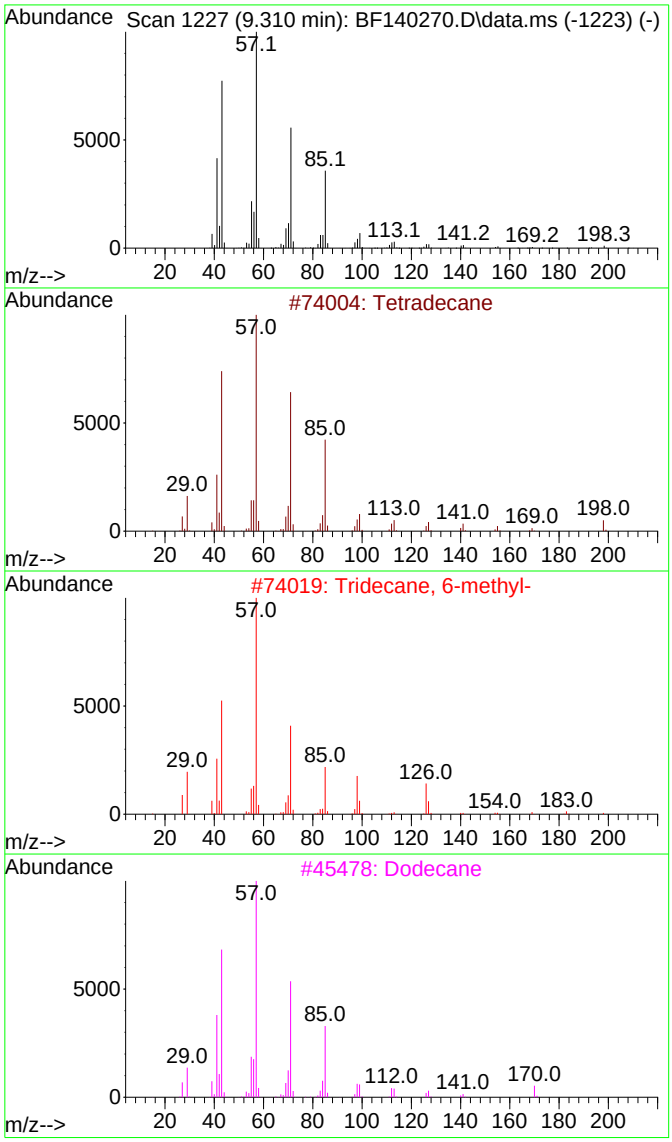
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

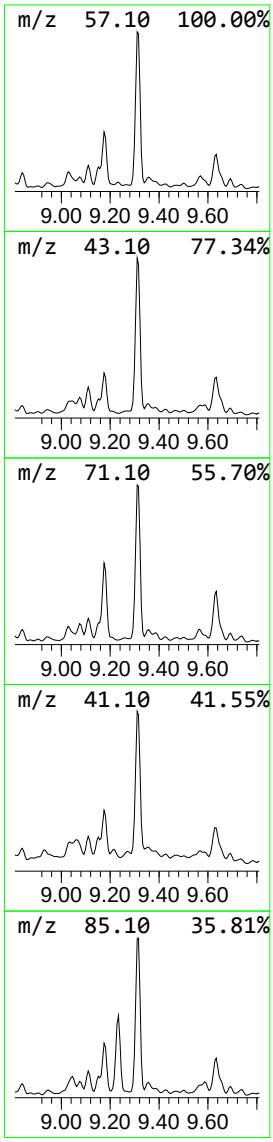
****

Peak Number 13 Tetradecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.310	40.20 ng	2349160	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	95
2	Tridecane, 6-methyl-	198	C14H30	013287-21-3	91
3	Dodecane	170	C12H26	000112-40-3	90
4	Hexadecane	226	C16H34	000544-76-3	90
5	Tridecane, 7-methyl-	198	C14H30	026730-14-3	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140270.D
Acq On : 07 Nov 2024 13:07
Operator : RC/JU
Sample : P4718-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

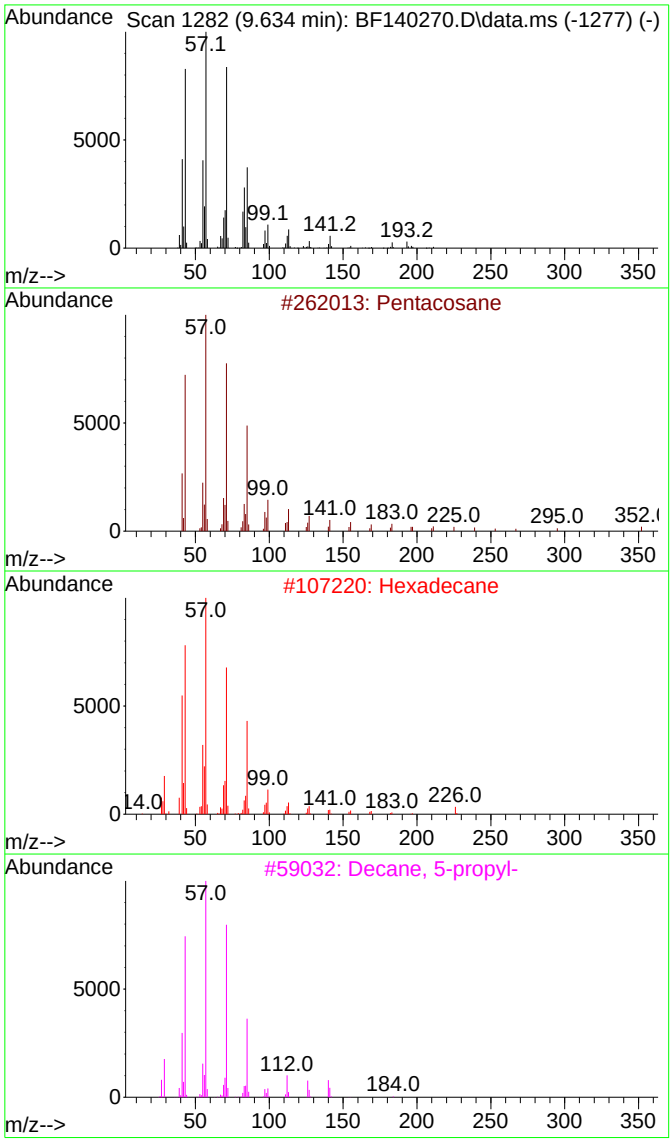
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

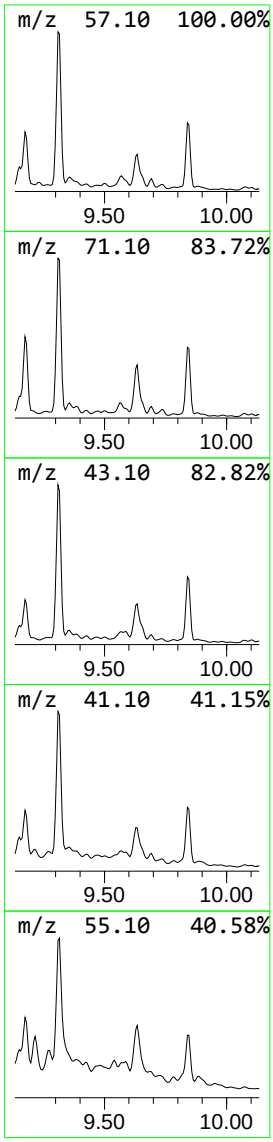
****

Peak Number 14 Pentacosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.634	15.89 ng	928547	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane	352	C25H52	000629-99-2	86
2	Hexadecane	226	C16H34	000544-76-3	83
3	Decane, 5-propyl-	184	C13H28	017312-62-8	81
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
5	2,6,10-Trimethyltridecane	226	C16H34	003891-99-4	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140270.D
Acq On : 07 Nov 2024 13:07
Operator : RC/JU
Sample : P4718-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

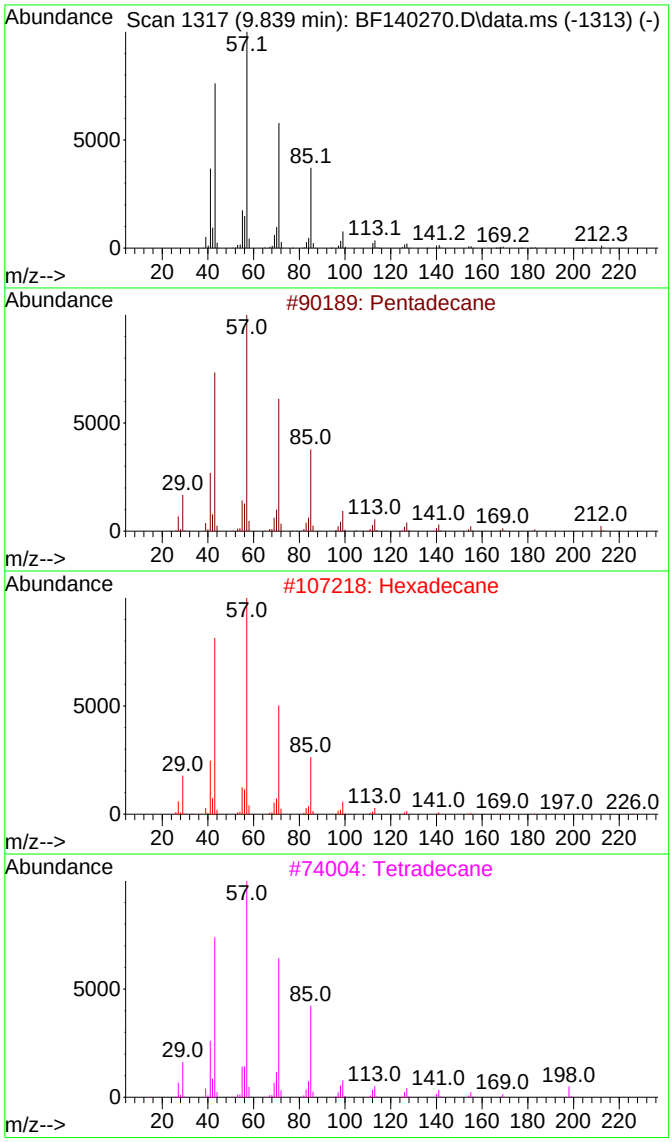
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

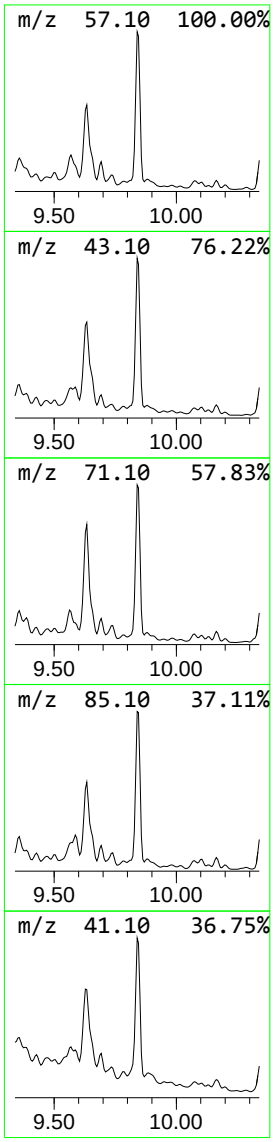
****

Peak Number 15 Pentadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.839	17.03 ng	995440	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	94
2	Hexadecane	226	C16H34	000544-76-3	90
3	Tetradecane	198	C14H30	000629-59-4	90
4	Tridecane	184	C13H28	000629-50-5	90
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	78





Sample Results: **BF140270.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140270.D
Acq On : 07 Nov 2024 13:07
Operator : RC/JU
Sample : P4718-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

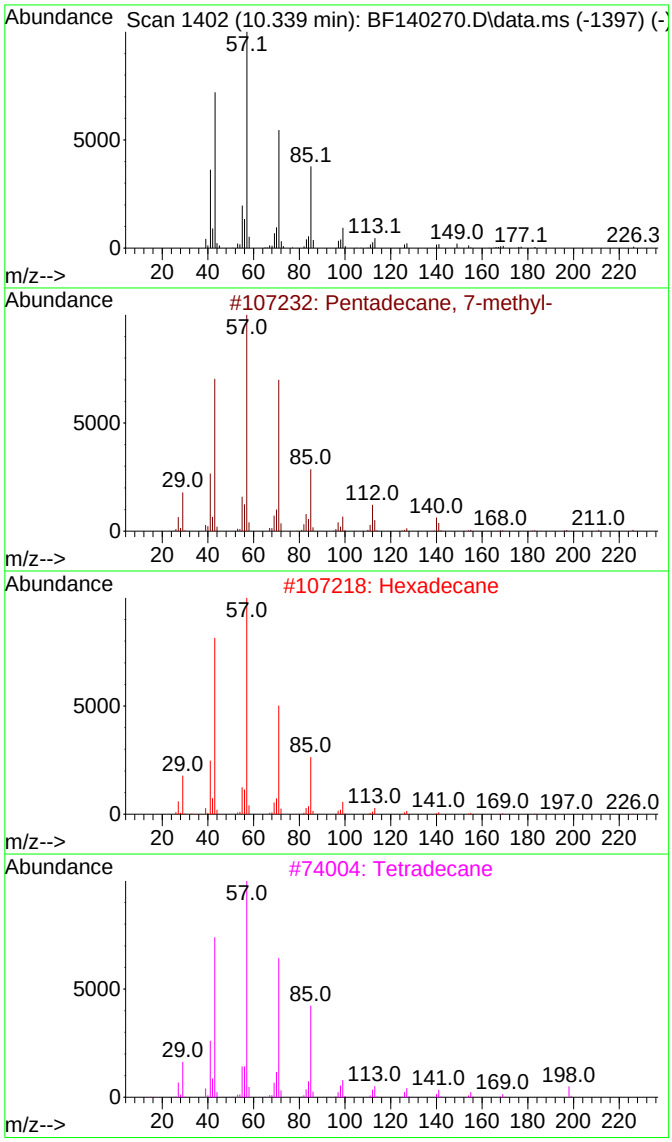
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

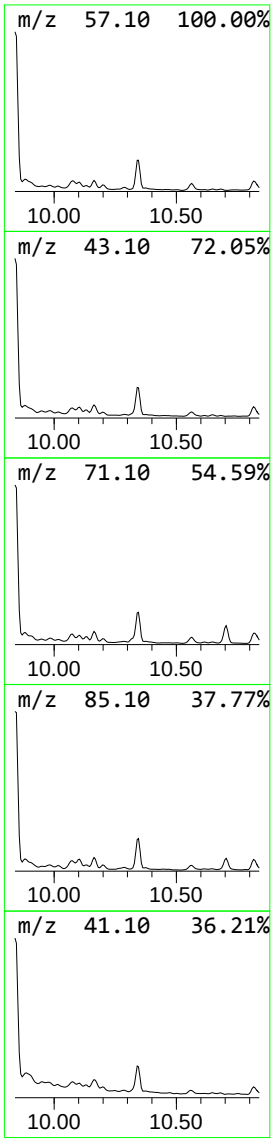
****

Peak Number 16 Pentadecane, 7-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.339	2.98 ng	173998	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	91
2	Hexadecane	226	C16H34	000544-76-3	90
3	Tetradecane	198	C14H30	000629-59-4	86
4	Pentadecane	212	C15H32	000629-62-9	86
5	Nonadecane	268	C19H40	000629-92-5	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140270.D
Acq On : 07 Nov 2024 13:07
Operator : RC/JU
Sample : P4718-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

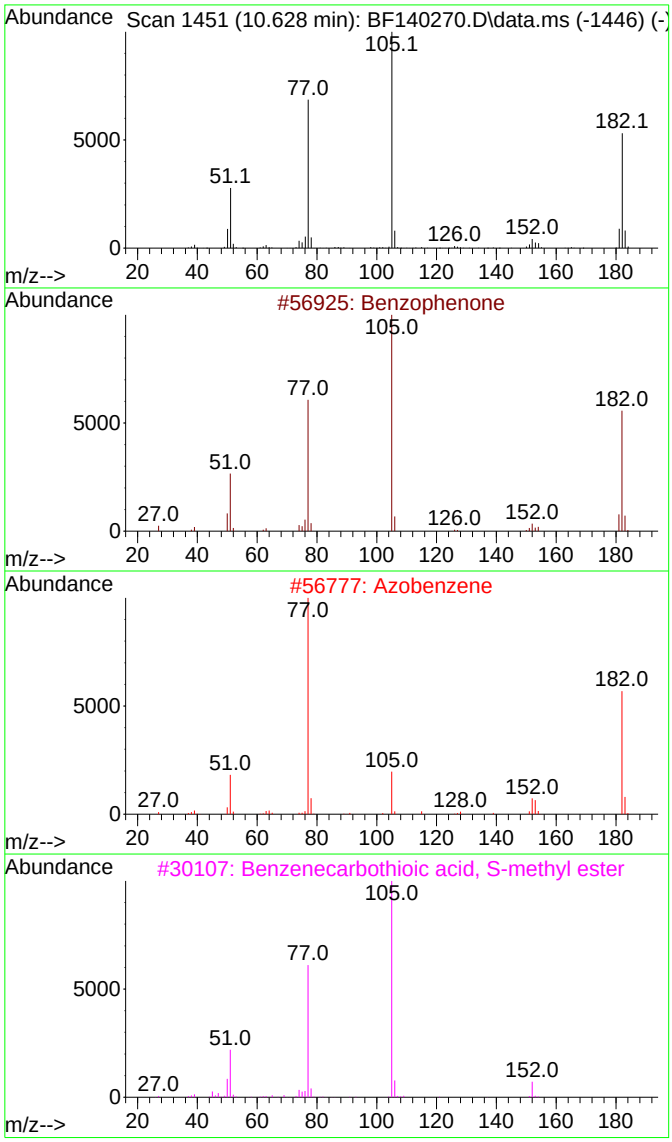
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

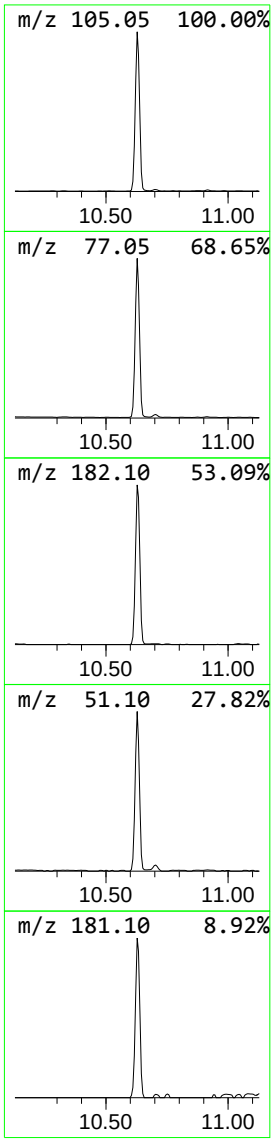
****

Peak Number 17 Benzophenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.628	8.99 ng	525180	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	64
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	58
4	Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	47
5	Ethanone, 2,2,2-trifluoro-1-phenyl-	174	C8H5F3O	000434-45-7	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140270.D
Acq On : 07 Nov 2024 13:07
Operator : RC/JU
Sample : P4718-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

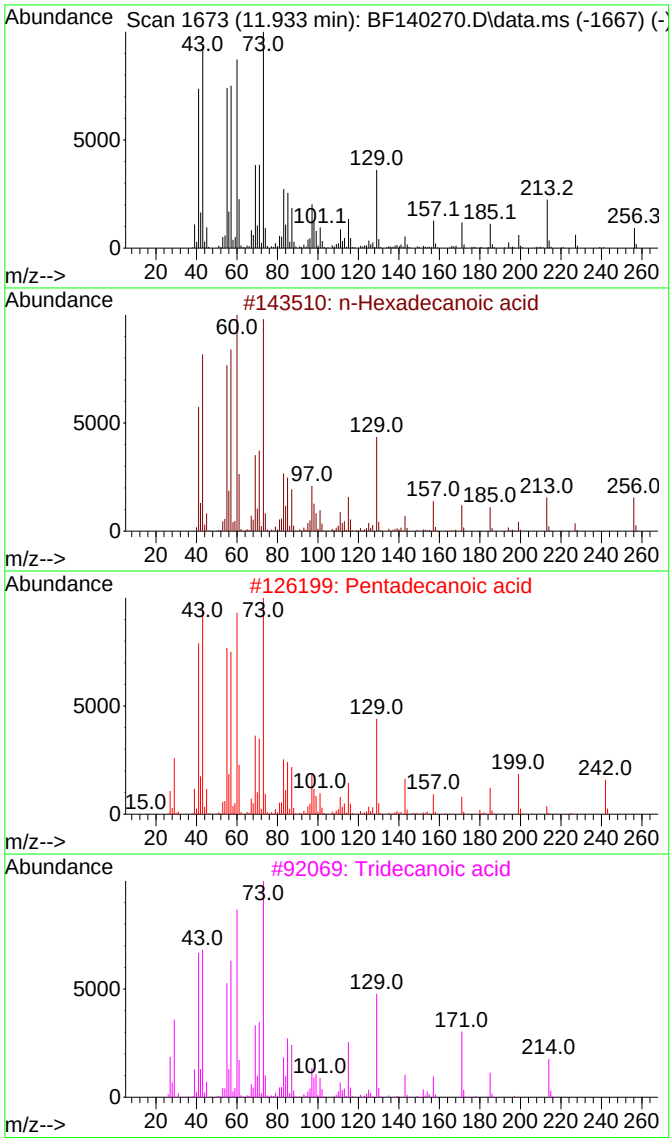
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

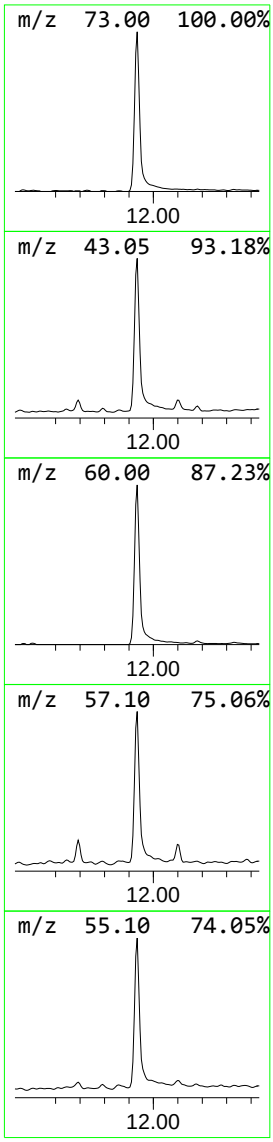
****

Peak Number 18 n-Hexadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	12.86 ng	762182	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3	Tridecanoic acid	214	C13H26O2	000638-53-9	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	89
5	8-Methylnonanoic acid	172	C10H20O2	005963-14-4	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140270.D
Acq On : 07 Nov 2024 13:07
Operator : RC/JU
Sample : P4718-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

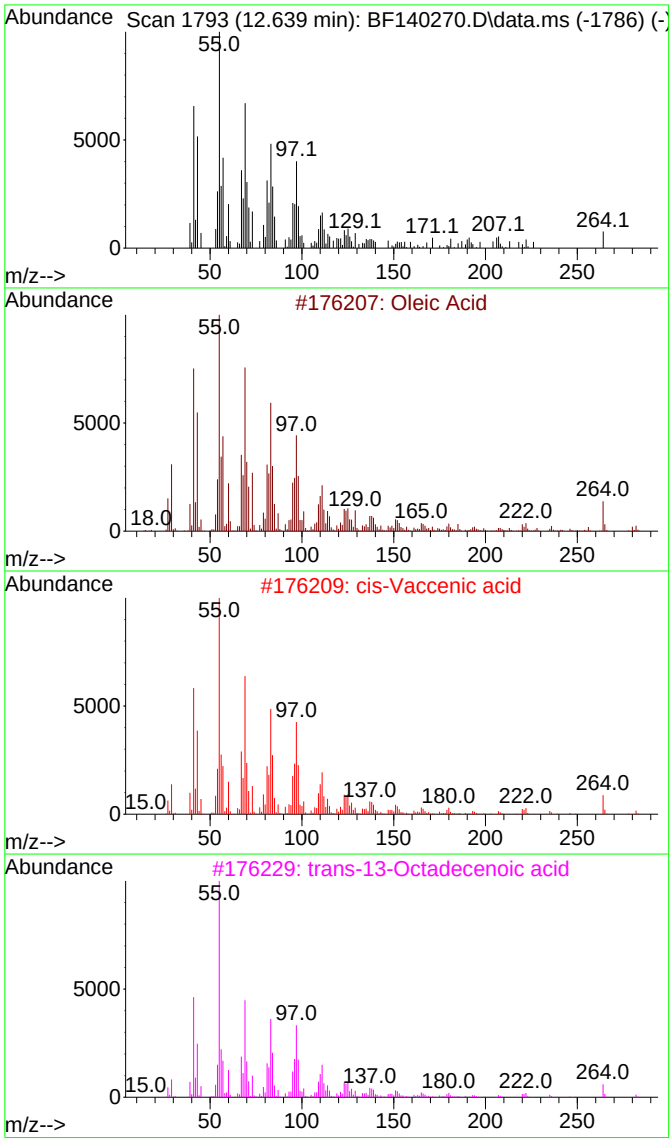
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

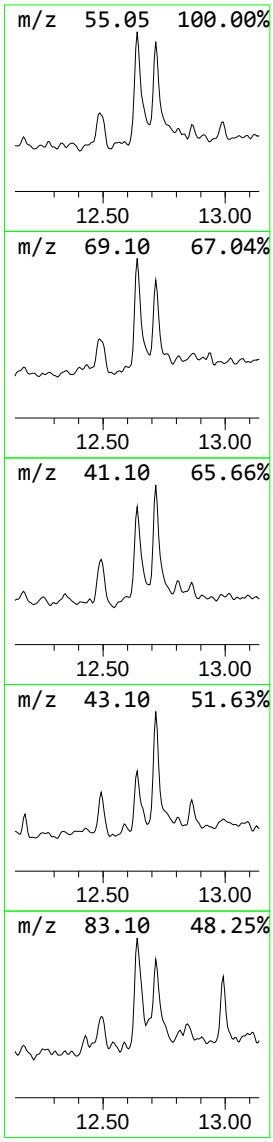
****

Peak Number 19 Oleic Acid Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.639	2.81 ng	166262	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oleic Acid	282	C18H34O2	000112-80-1	91
2	cis-Vaccenic acid	282	C18H34O2	000506-17-2	90
3	trans-13-Octadecenoic acid	282	C18H34O2	000693-71-0	87
4	cis-7-Hexadecenoic acid	254	C16H30O2	002416-19-5	87
5	cis-13-Octadecenoic acid	282	C18H34O2	013126-39-1	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140270.D
Acq On : 07 Nov 2024 13:07
Operator : RC/JU
Sample : P4718-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB01

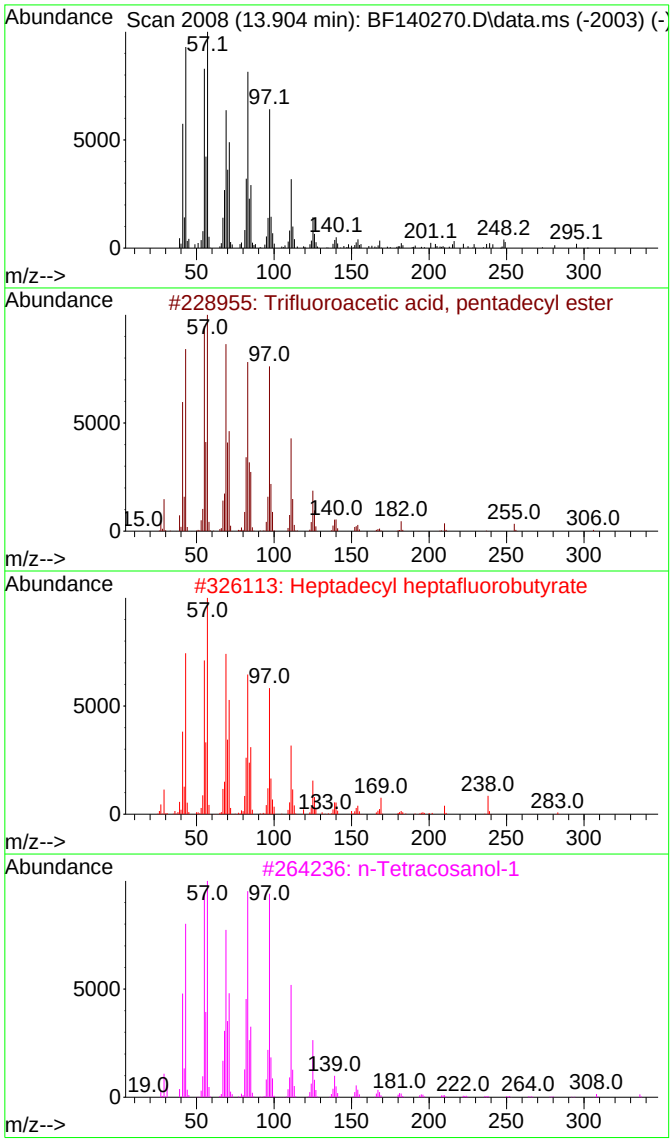
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

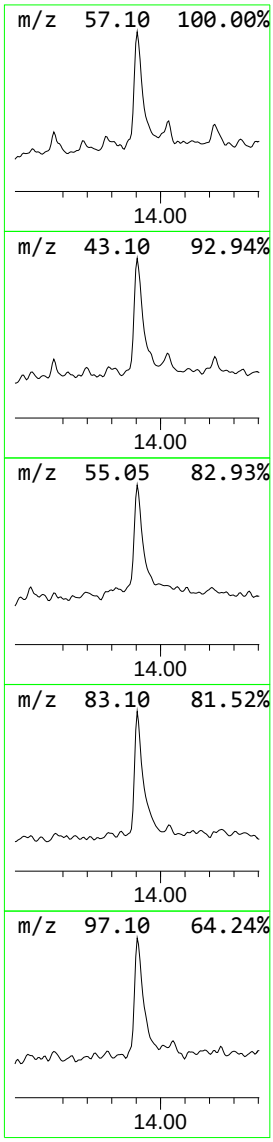
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Trifluoroacetic acid, penta... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	5.58 ng	232375	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	94
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94
5	Behenic alcohol	326	C22H46O	000661-19-8	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140270.D
Acq On : 07 Nov 2024 13:07
Operator : RC/JU
Sample : P4718-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.163	86.8	ng	3432550	1	6.875	790786	20.0
Propane, 1,1-di...	2.275	3.1	ng	123318	1	6.875	790786	20.0
2-Pentanone, 4-...	5.099	20.5	ng	809578	1	6.875	790786	20.0
trans, cis-3-Et...	8.445	2.4	ng	149514	2	8.157	1252740	20.0
Sulfurous acid,...	8.575	4.2	ng	262957	2	8.157	1252740	20.0
Tridecane	8.745	16.4	ng	1024930	2	8.157	1252740	20.0
unknown8.804	8.804	3.8	ng	236590	2	8.157	1252740	20.0
Undecane, 5,5-d...	8.839	3.5	ng	218052	2	8.157	1252740	20.0
unknown9.034	9.034	5.4	ng	336096	2	8.157	1252740	20.0
2-Bromo dodecane	9.110	4.6	ng	266714	3	9.916	1168860	20.0
Undecane, 3-met...	9.151	3.6	ng	211700	3	9.916	1168860	20.0
Dodecane, 2,6,1...	9.175	12.9	ng	752282	3	9.916	1168860	20.0
Tetradecane	9.310	40.2	ng	2349160	3	9.916	1168860	20.0
Pentacosane	9.634	15.9	ng	928547	3	9.916	1168860	20.0
Pentadecane	9.839	17.0	ng	995440	3	9.916	1168860	20.0
Pentadecane, 7-...	10.339	3.0	ng	173998	3	9.916	1168860	20.0
Benzophenone	10.628	9.0	ng	525180	3	9.916	1168860	20.0
n-Hexadecanoic ...	11.933	12.9	ng	762182	4	11.404	1184910	20.0
Oleic Acid	12.639	2.8	ng	166262	4	11.404	1184910	20.0
Trifluoroacetic...	13.904	5.6	ng	232375	5	14.051	832279	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140271.D
Acq On : 07 Nov 2024 13:33
Operator : RC/JU
Sample : P4718-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB02

Quant Time: Nov 07 14:06:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

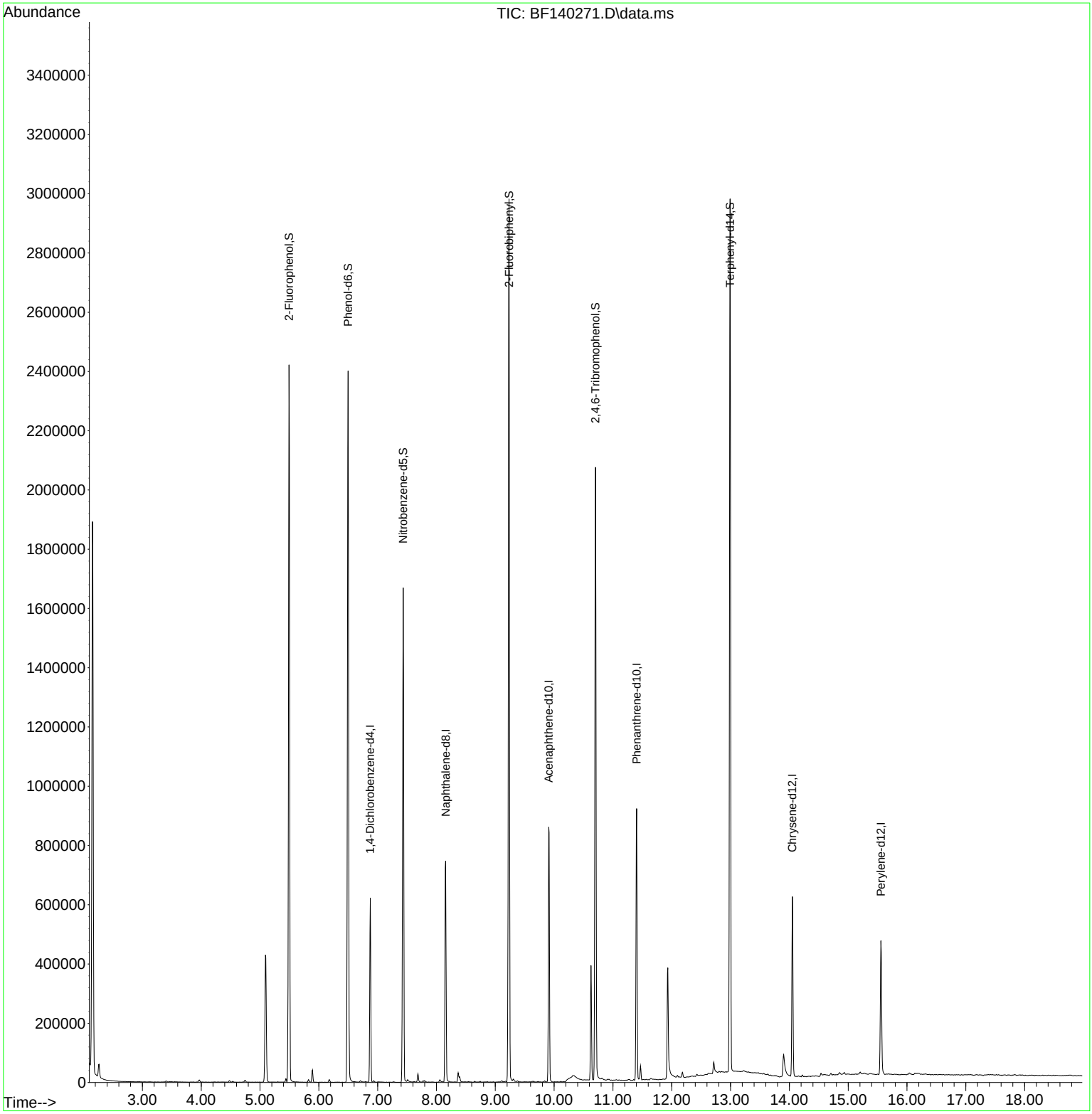
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	123660	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	467420	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	268928	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	499705	20.000	ng	0.00
76) Chrysene-d12	14.051	240	296704	20.000	ng	-0.01
86) Perylene-d12	15.557	264	275946	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	888696	119.097	ng	0.00
7) Phenol-d6	6.498	99	1140564	118.835	ng	0.00
23) Nitrobenzene-d5	7.434	82	737853	78.484	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	355130	133.597	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1329473	78.940	ng	0.00
79) Terphenyl-d14	12.992	244	1475896	81.486	ng	0.00
Target Compounds						Qvalue

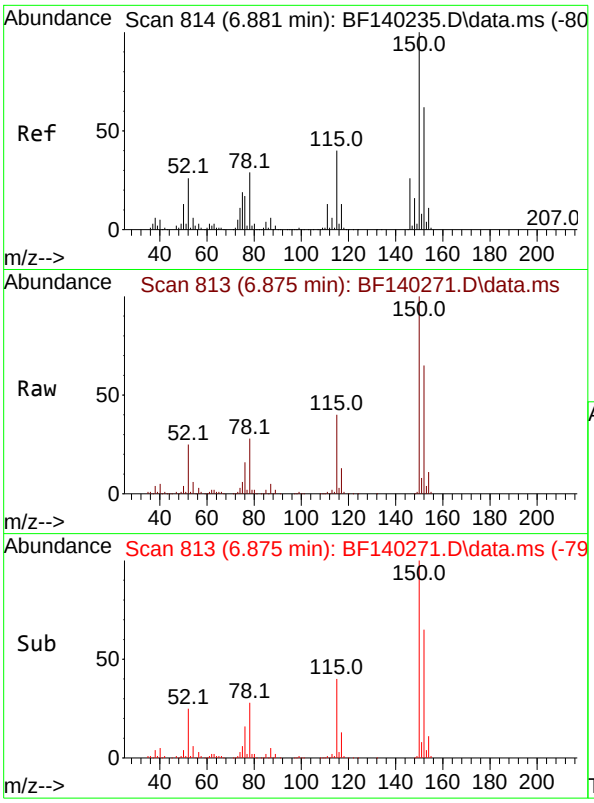
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140271.D
Acq On : 07 Nov 2024 13:33
Operator : RC/JU
Sample : P4718-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB02

Quant Time: Nov 07 14:06:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration



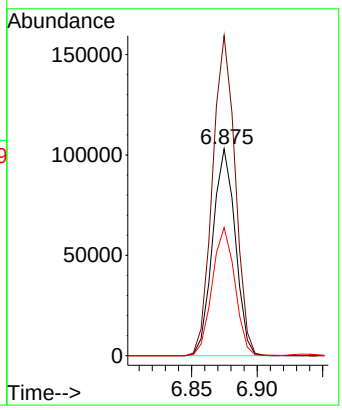


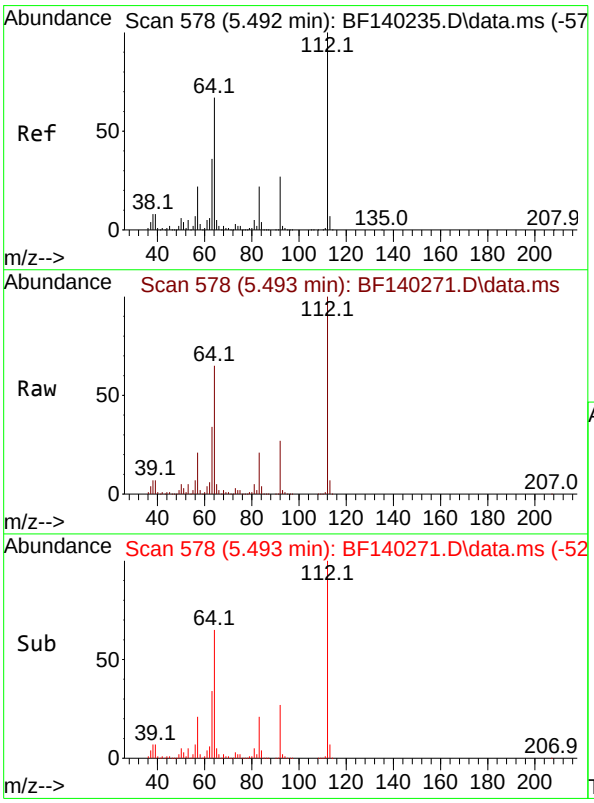
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140271.D
Acq: 07 Nov 2024 13:33

Instrument :
BNA_F
ClientSampleId :
WB-307-SB02

Tgt Ion:152 Resp: 123660

Ion	Ratio	Lower	Upper
152	100		
150	154.6	129.4	194.2
115	61.9	51.5	77.3

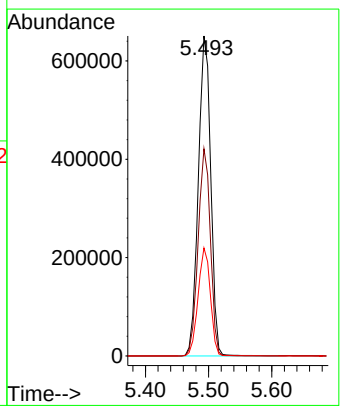


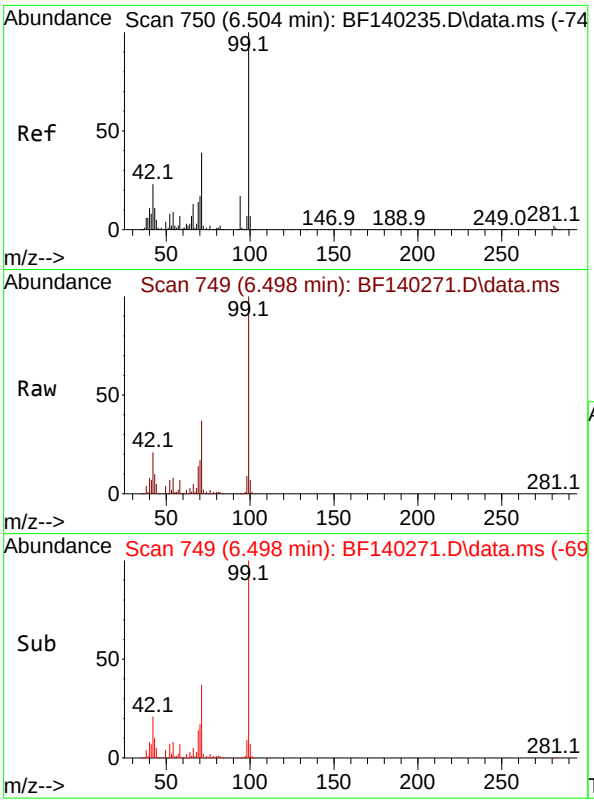


#5
2-Fluorophenol
Concen: 119.097 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF140271.D
Acq: 07 Nov 2024 13:33

Tgt Ion:112 Resp: 888696

Ion	Ratio	Lower	Upper
112	100		
64	64.8	53.4	80.2
63	33.7	28.9	43.3



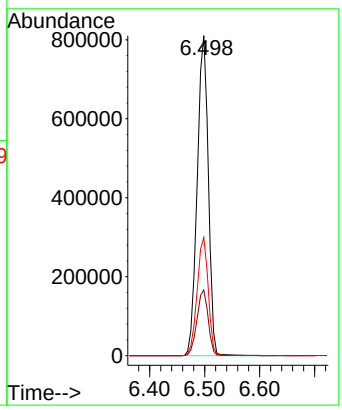


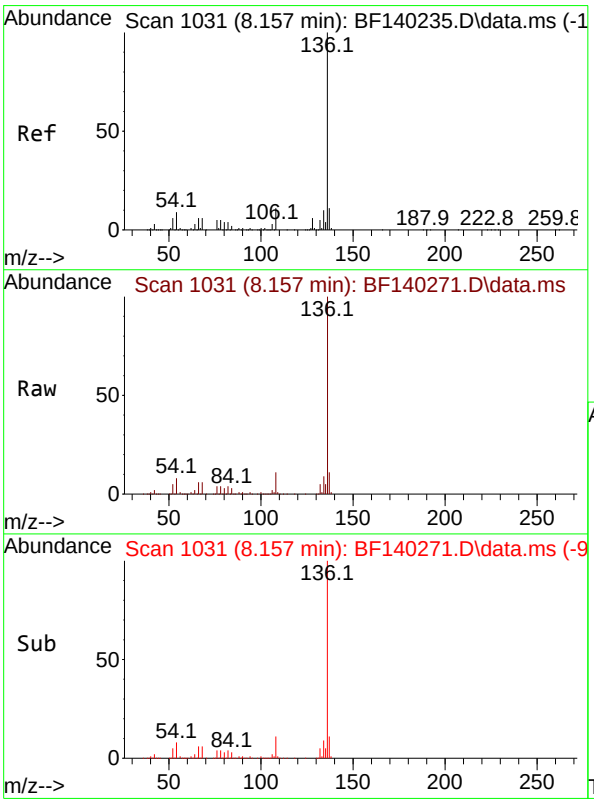
#7
Phenol-d6
Concen: 118.835 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF140271.D
Acq: 07 Nov 2024 13:33

Instrument :
BNA_F
ClientSampleId :
WB-307-SB02

Tgt Ion: 99 Resp: 1140564

Ion	Ratio	Lower	Upper
99	100		
42	20.5	18.2	27.2
71	36.9	30.9	46.3

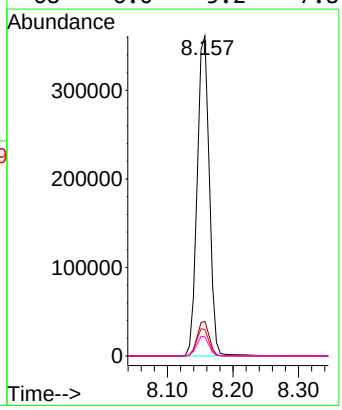


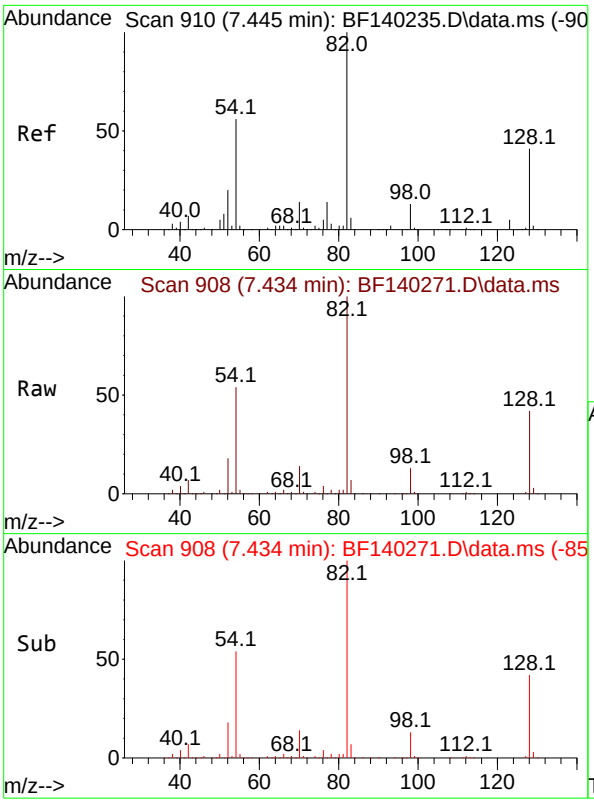


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140271.D
Acq: 07 Nov 2024 13:33

Tgt Ion:136 Resp: 467420

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.6
54	8.2	7.7	11.5
68	6.0	5.2	7.8



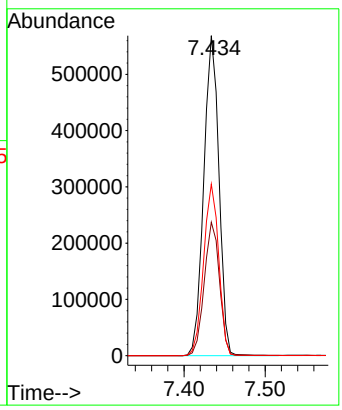


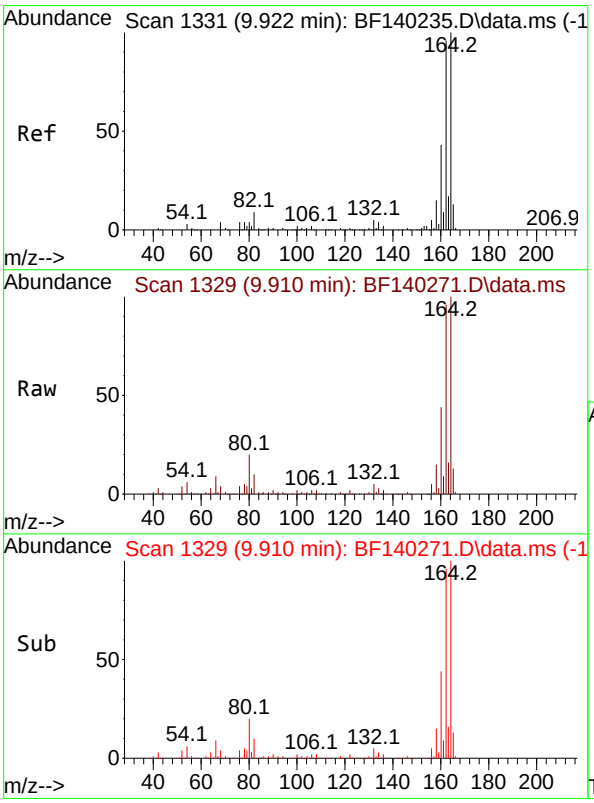
#23
Nitrobenzene-d5
Concen: 78.484 ng
RT: 7.434 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF140271.D
Acq: 07 Nov 2024 13:33

Instrument :
BNA_F
ClientSampleId :
WB-307-SB02

Tgt Ion: 82 Resp: 737853

Ion	Ratio	Lower	Upper
82	100		
128	41.7	32.8	49.2
54	53.6	44.3	66.5

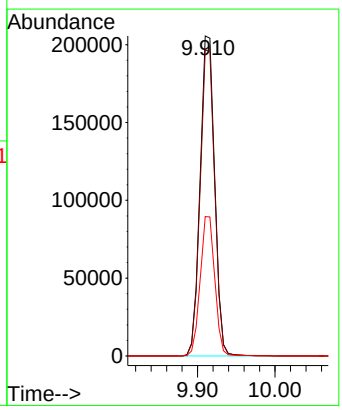


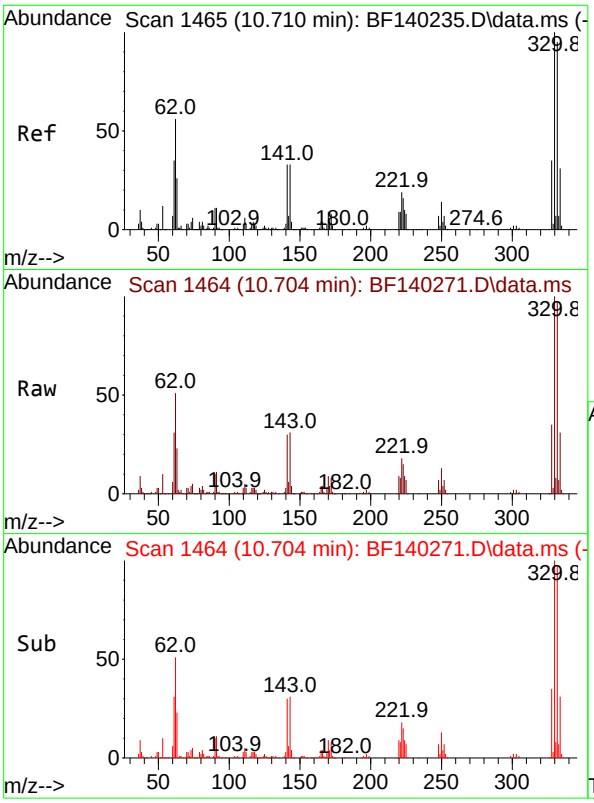


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BF140271.D
Acq: 07 Nov 2024 13:33

Tgt Ion:164 Resp: 268928

Ion	Ratio	Lower	Upper
164	100		
162	95.6	77.0	115.4
160	43.6	34.1	51.1



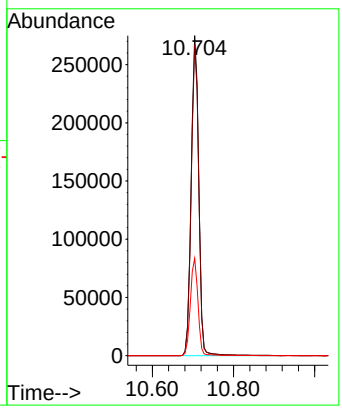


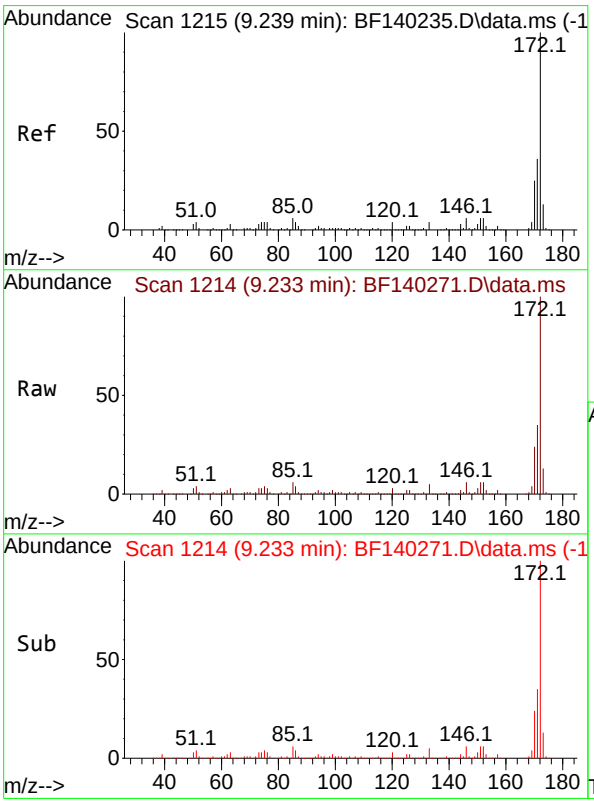
#42
2,4,6-Tribromophenol
Concen: 133.597 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140271.D
Acq: 07 Nov 2024 13:33

Instrument :
BNA_F
ClientSampleId :
WB-307-SB02

Tgt Ion:330 Resp: 355130

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.4	114.6
141	30.6	27.0	40.4

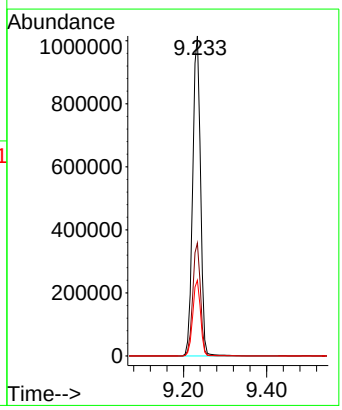


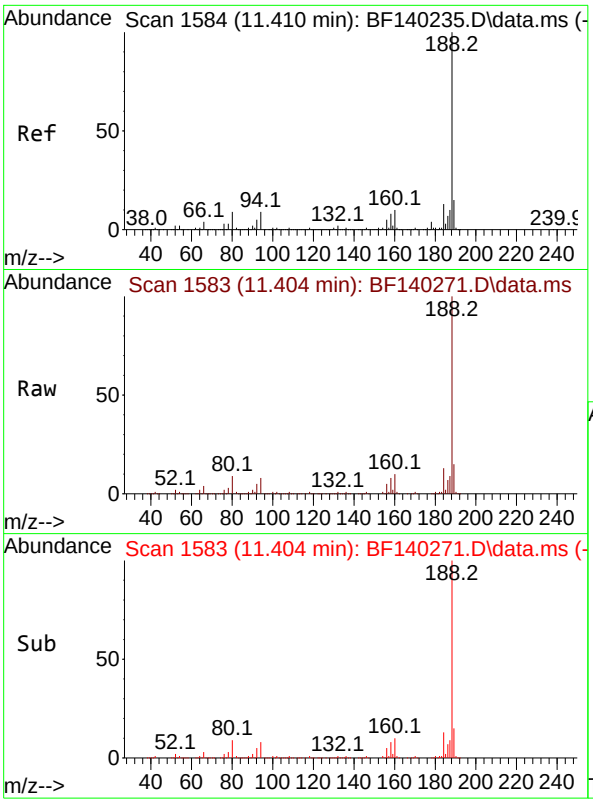


#45
2-Fluorobiphenyl
Concen: 78.940 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF140271.D
Acq: 07 Nov 2024 13:33

Tgt Ion:172 Resp: 1329473

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.8	43.2
170	23.7	19.6	29.4



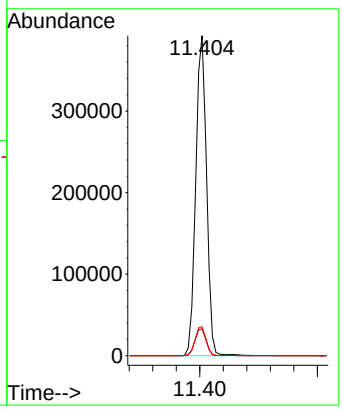


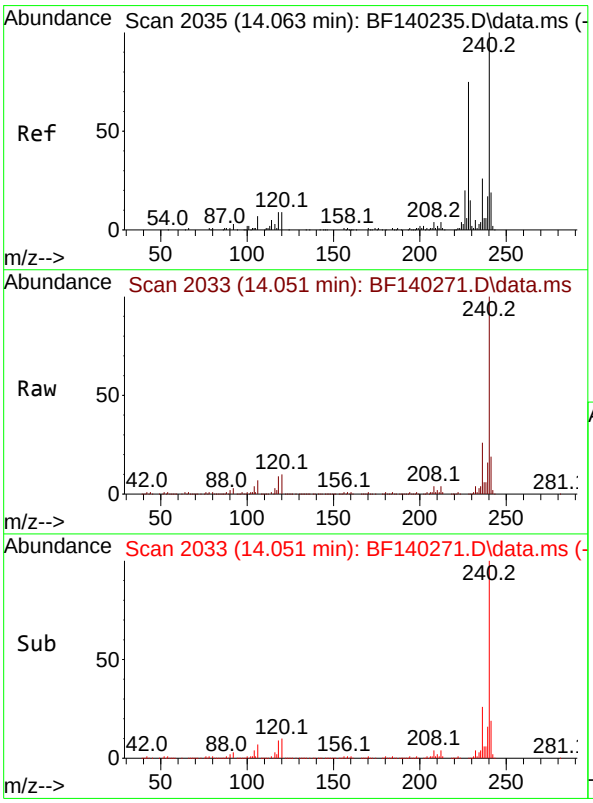
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140271.D
Acq: 07 Nov 2024 13:33

Instrument :
BNA_F
ClientSampleId :
WB-307-SB02

Tgt Ion:188 Resp: 499705

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.9	10.3
80	9.1	7.5	11.3

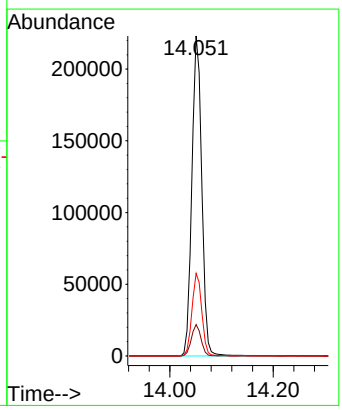


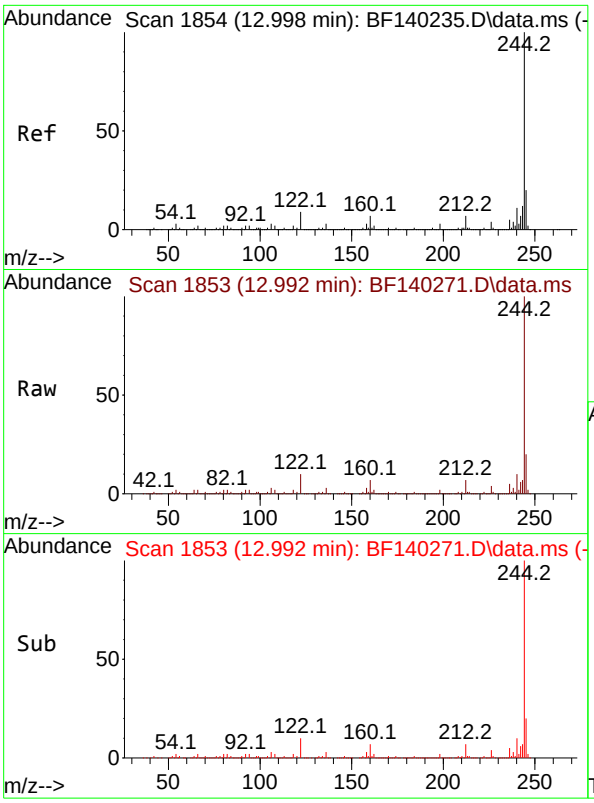


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.012 min
Lab File: BF140271.D
Acq: 07 Nov 2024 13:33

Tgt Ion:240 Resp: 296704

Ion	Ratio	Lower	Upper
240	100		
120	9.8	7.5	11.3
236	25.8	20.9	31.3



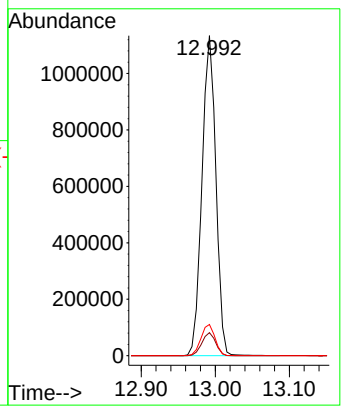


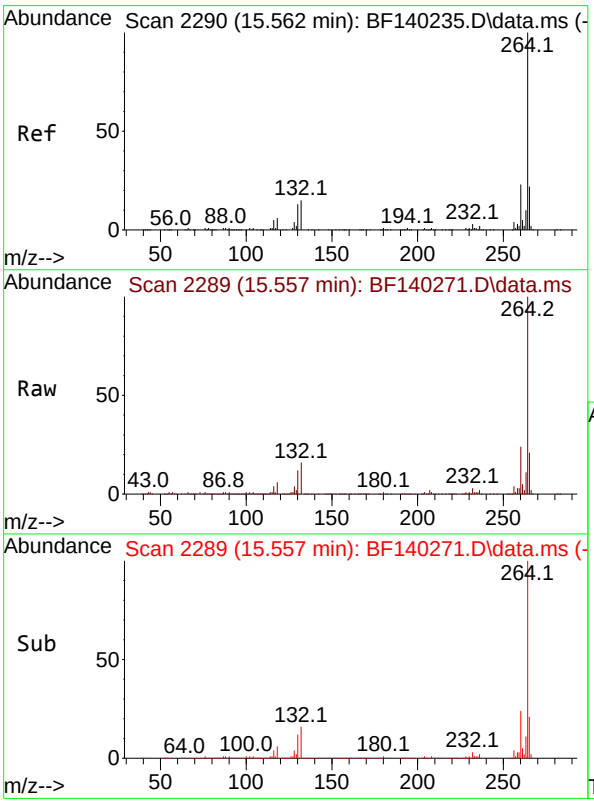
#79
Terphenyl-d14
Concen: 81.486 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140271.D
Acq: 07 Nov 2024 13:33

Instrument :
BNA_F
ClientSampleId :
WB-307-SB02

Tgt Ion:244 Resp: 1475896

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	9.7	7.6	11.4

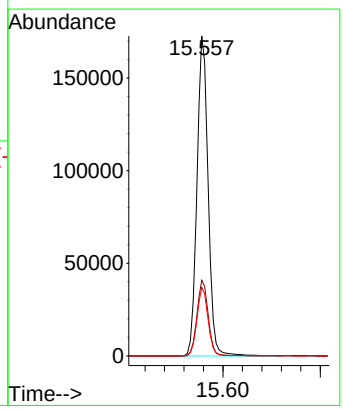




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2289
Delta R.T. -0.006 min
Lab File: BF140271.D
Acq: 07 Nov 2024 13:33

Tgt Ion:264 Resp: 275946

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.8	28.2
265	21.4	17.3	25.9



Sample Results: **BF140271.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140271.D
Acq On : 07 Nov 2024 13:33
Operator : RC/JU
Sample : P4718-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB02

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140271.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.152	4	10	24	rVB	1870938	3034273	78.12%	10.047%
2	2.263	24	29	45	rVB	52128	106866	2.75%	0.354%
3	5.093	499	510	525	rBV	429344	693416	17.85%	2.296%
4	5.493	572	578	583	rBV	2420566	3262416	83.99%	10.802%
5	5.893	641	646	654	rVB	41202	52420	1.35%	0.174%
6	6.498	742	749	754	rBV	2400763	3383033	87.10%	11.201%
7	6.875	808	813	818	rBV	621523	747533	19.25%	2.475%
8	7.434	902	908	913	rBV	1669482	2161700	55.65%	7.158%
9	8.157	1025	1031	1046	rVB	746699	970018	24.97%	3.212%
10	8.369	1063	1067	1070	rBV	31261	44488	1.15%	0.147%
11	9.233	1207	1214	1219	rBV	2979779	3884222	100.00%	12.861%
12	9.910	1324	1329	1342	rVB	860195	1115525	28.72%	3.694%
13	10.322	1375	1399	1401	rBV2	21139	106099	2.73%	0.351%
14	10.628	1446	1451	1458	rBV	386506	472958	12.18%	1.566%
15	10.704	1458	1464	1479	rBV	2067895	2676150	68.90%	8.861%
16	11.404	1577	1583	1589	rBV	916856	1170394	30.13%	3.875%
17	11.469	1590	1594	1598	rVB3	47286	57221	1.47%	0.189%
18	11.933	1667	1673	1696	rBV	374933	633879	16.32%	2.099%
19	12.716	1802	1806	1817	rBV2	39006	75230	1.94%	0.249%
20	12.992	1847	1853	1858	rBV	2946491	3836198	98.76%	12.702%
21	13.904	2002	2008	2027	rBV	73524	193068	4.97%	0.639%
22	14.051	2028	2033	2042	rVB	606825	802585	20.66%	2.657%
23	15.557	2283	2289	2300	rBV	451949	722116	18.59%	2.391%

Sum of corrected areas: 30201808

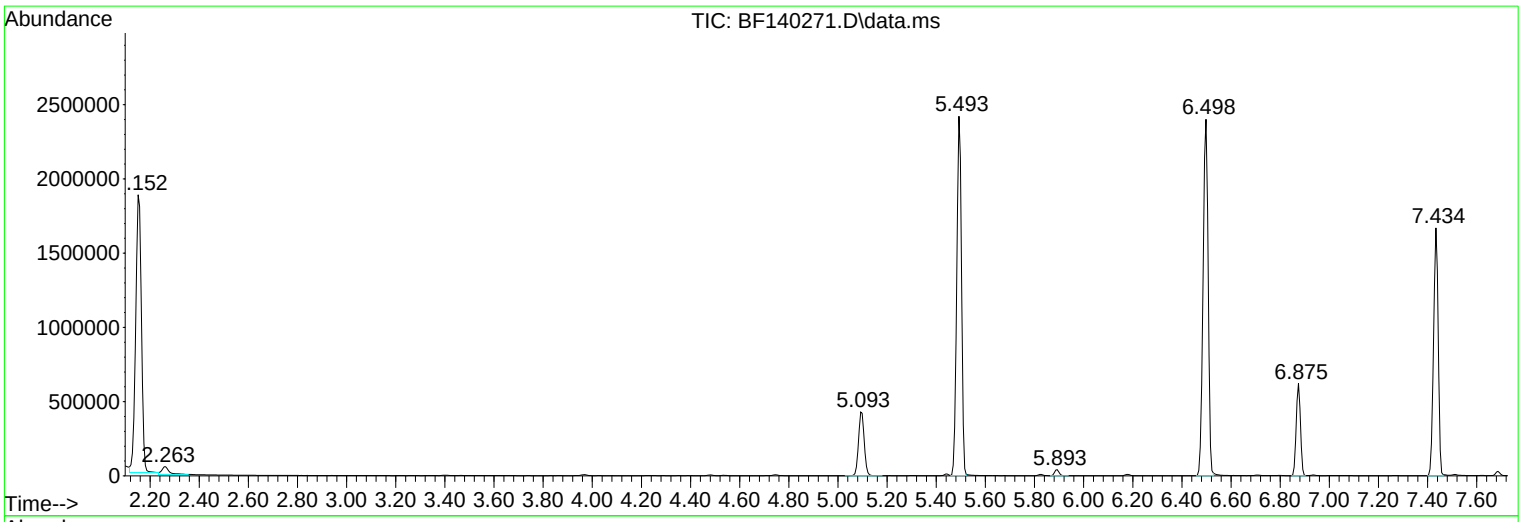
Sample Results: **BF140271.D**

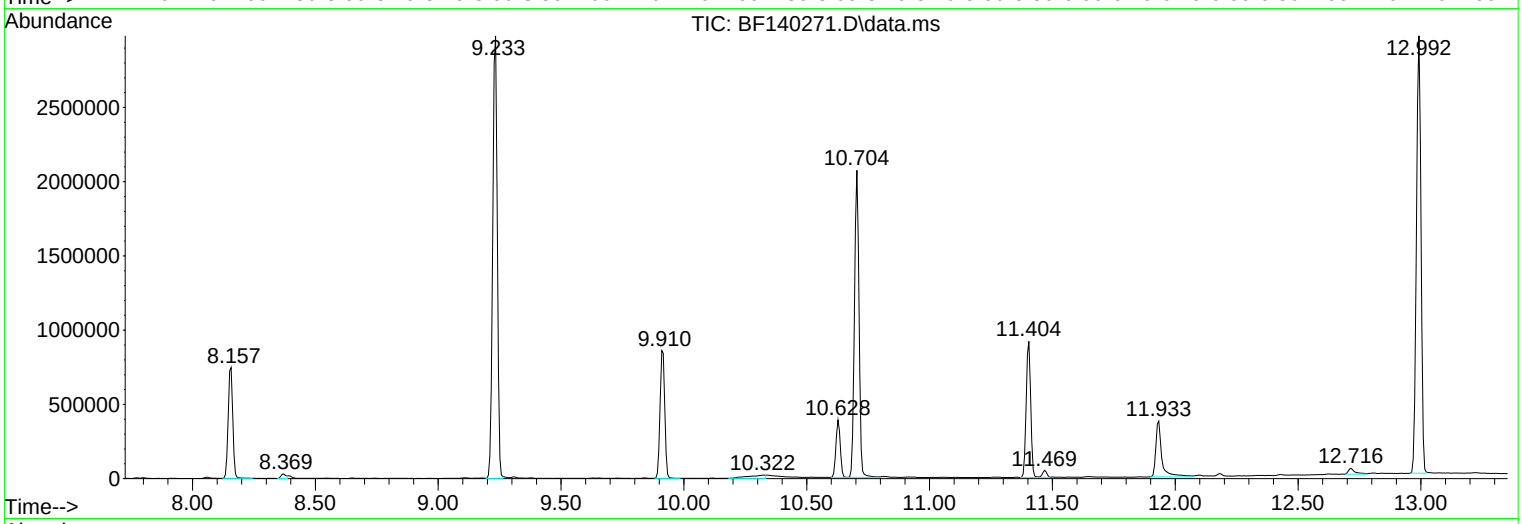
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140271.D
Acq On : 07 Nov 2024 13:33
Operator : RC/JU
Sample : P4718-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

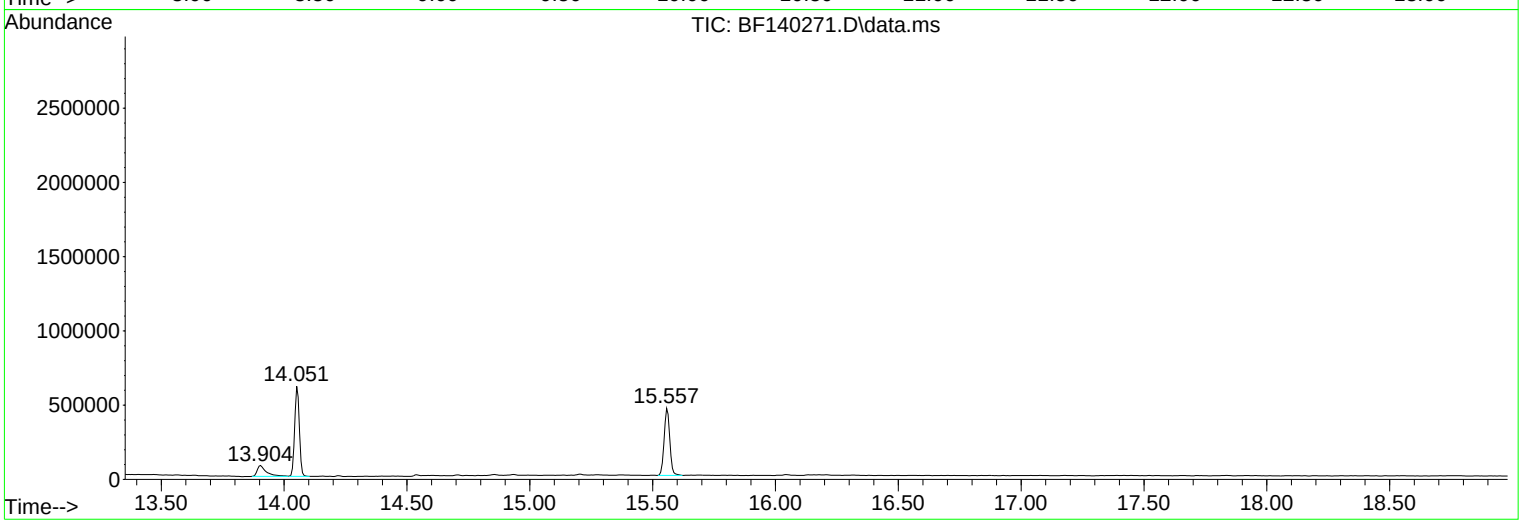
Instrument :
BNA_F
ClientSampleId :
WB-307-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140271.D
Acq On : 07 Nov 2024 13:33
Operator : RC/JU
Sample : P4718-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

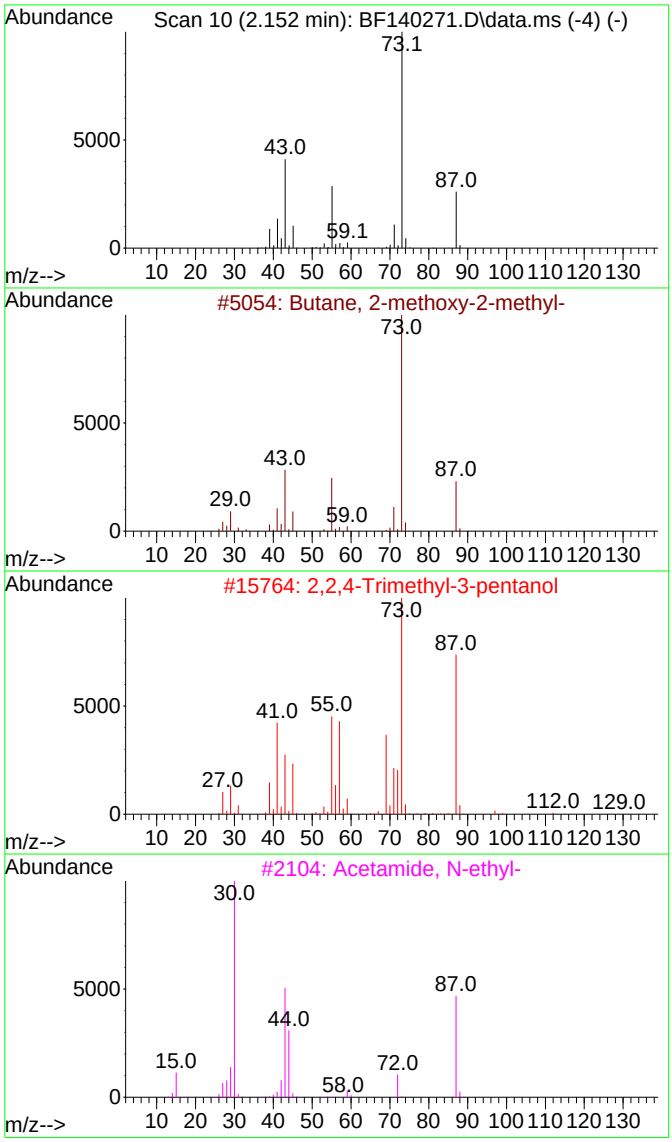
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

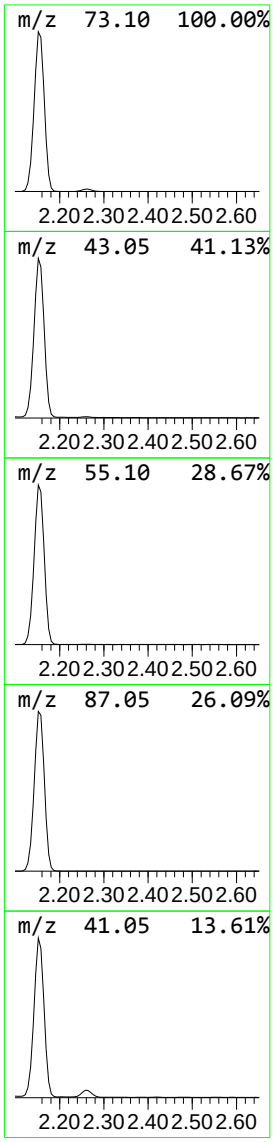
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.152	81.18 ng	3034270	1,4-Dichlorobenzene-d4	6.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140271.D
Acq On : 07 Nov 2024 13:33
Operator : RC/JU
Sample : P4718-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

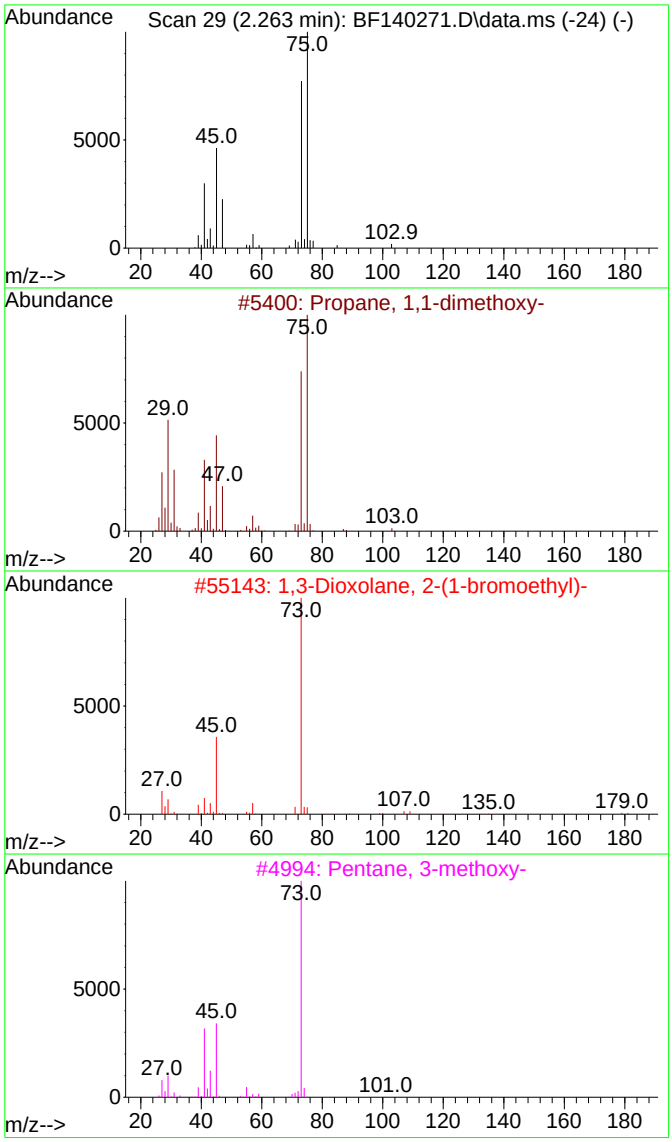
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

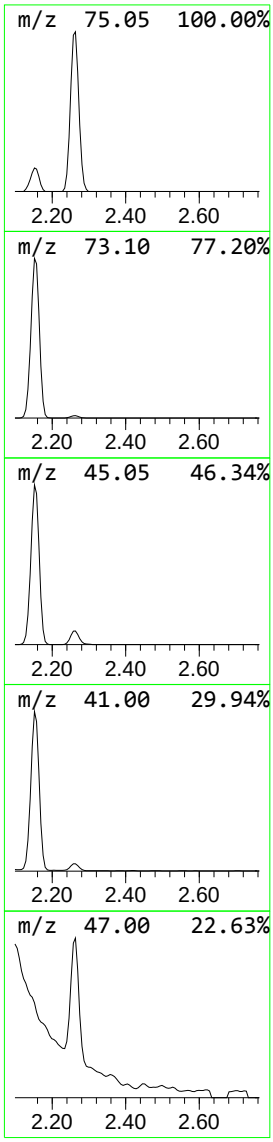
****

Peak Number 2 Propane, 1,1-dimethoxy- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.263	2.86 ng	106866	1,4-Dichlorobenzene-d4	6.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	83
2	1,3-Dioxolane, 2-(1-bromoethyl)-	180	C5H9BrO2	005267-73-2	27
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	27
4	Methane, isothiocyanato-	73	C2H3NS	000556-61-6	9
5	1-Cyclohexyl-3-ethoxy-butan-2-one	198	C12H22O2	074897-69-1	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140271.D
Acq On : 07 Nov 2024 13:33
Operator : RC/JU
Sample : P4718-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB02

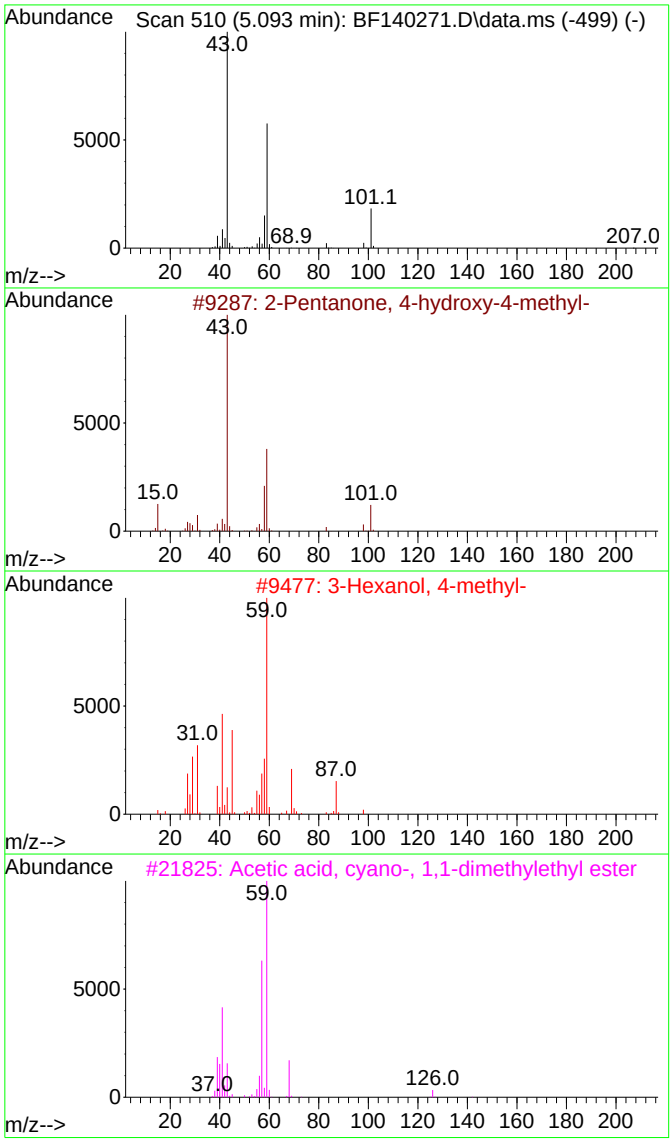
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

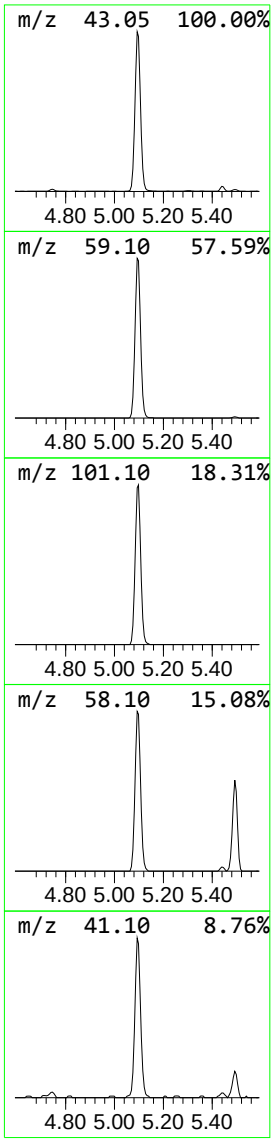
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.093	18.55 ng	693416	1,4-Dichlorobenzene-d4	6.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140271.D
Acq On : 07 Nov 2024 13:33
Operator : RC/JU
Sample : P4718-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

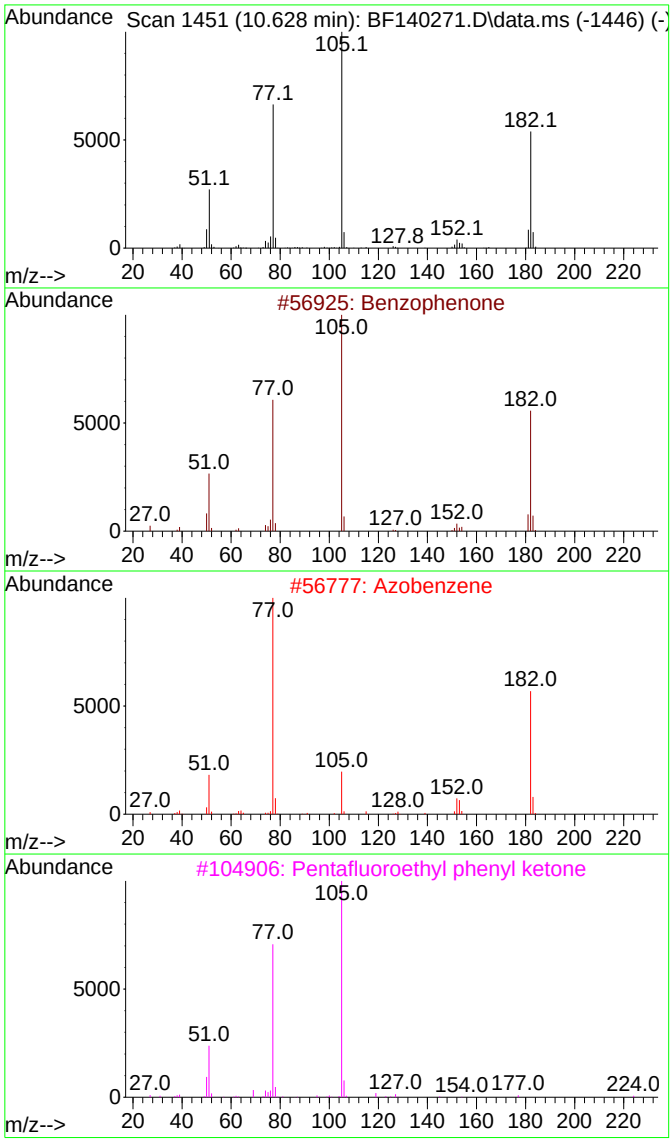
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

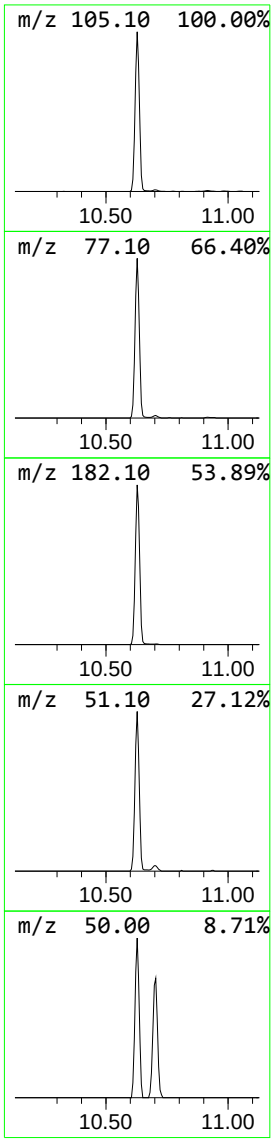
****

Peak Number 4 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.628	8.48 ng	472958	Acenaphthene-d10	9.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	64
3	Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	47
4	Benzilamide	227	C14H13NO2	004746-87-6	47
5	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47





Sample Results: **BF140271.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140271.D
Acq On : 07 Nov 2024 13:33
Operator : RC/JU
Sample : P4718-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

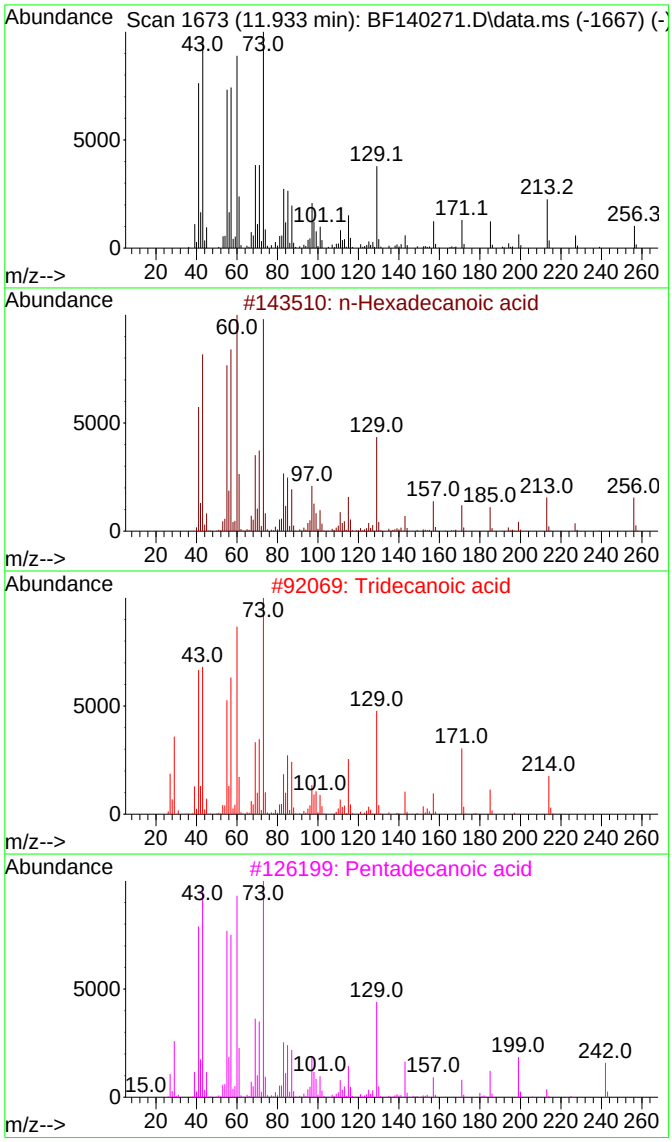
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

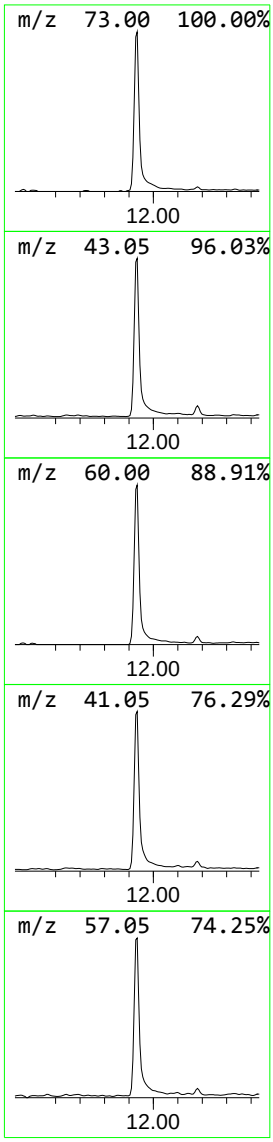
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	10.83 ng	633879	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	95
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	Dodecanoic acid	200	C12H24O2	000143-07-7	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140271.D
Acq On : 07 Nov 2024 13:33
Operator : RC/JU
Sample : P4718-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

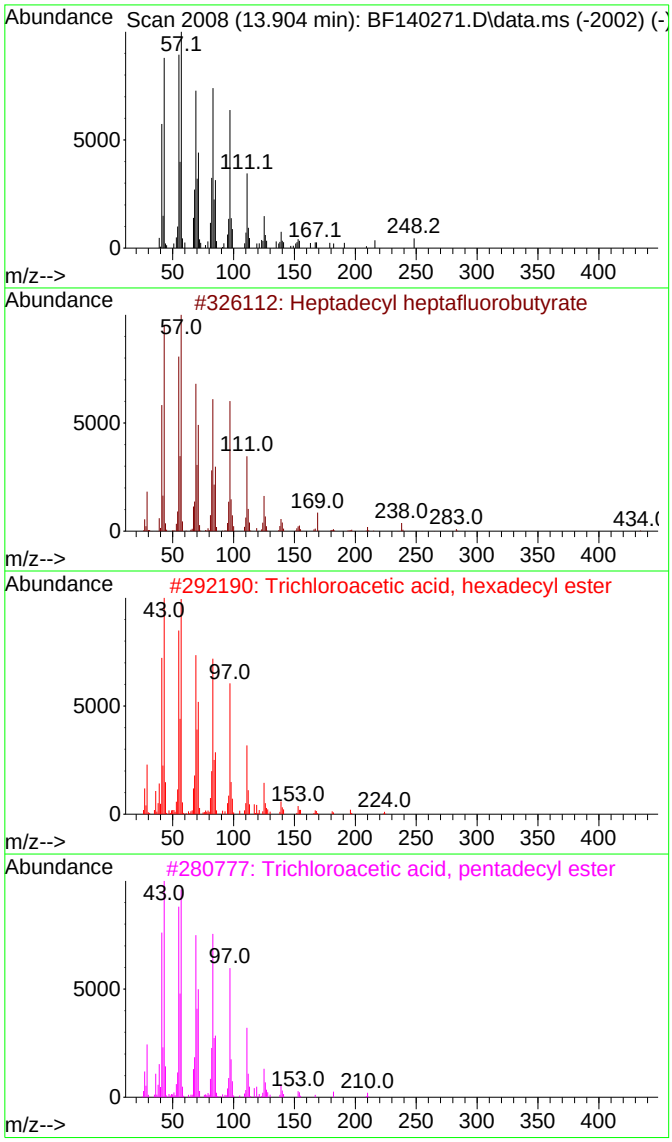
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

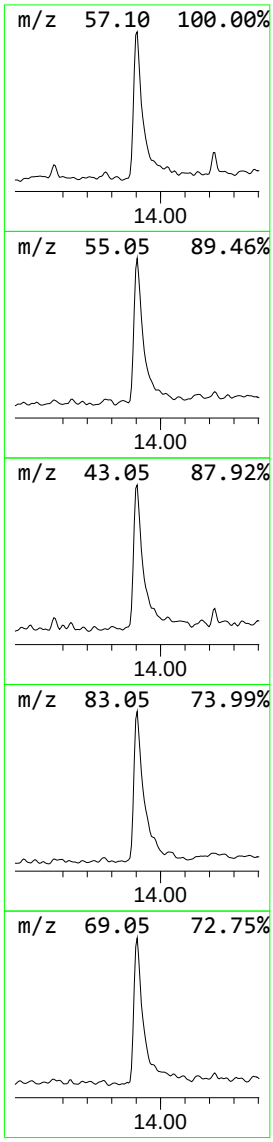
****

Peak Number 6 Heptadecyl heptafluorobutyrate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	4.81 ng	193068	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	95
2	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	94
3	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	94
4	1-Heneicosanol	312	C21H44O	015594-90-8	93
5	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140271.D
Acq On : 07 Nov 2024 13:33
Operator : RC/JU
Sample : P4718-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.152	81.2	ng	3034270	1	6.875	747533	20.0
Propane, 1,1-di...	2.263	2.9	ng	106866	1	6.875	747533	20.0
2-Pentanone, 4-...	5.093	18.6	ng	693416	1	6.875	747533	20.0
Benzophenone	10.628	8.5	ng	472958	3	9.910	1115530	20.0
n-Hexadecanoic ...	11.933	10.8	ng	633879	4	11.404	1170390	20.0
Heptadecyl hept...	13.904	4.8	ng	193068	5	14.051	802585	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140363.D
Acq On : 14 Nov 2024 15:39
Operator : RC/JU
Sample : P4718-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SW

Quant Time: Nov 14 18:19:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

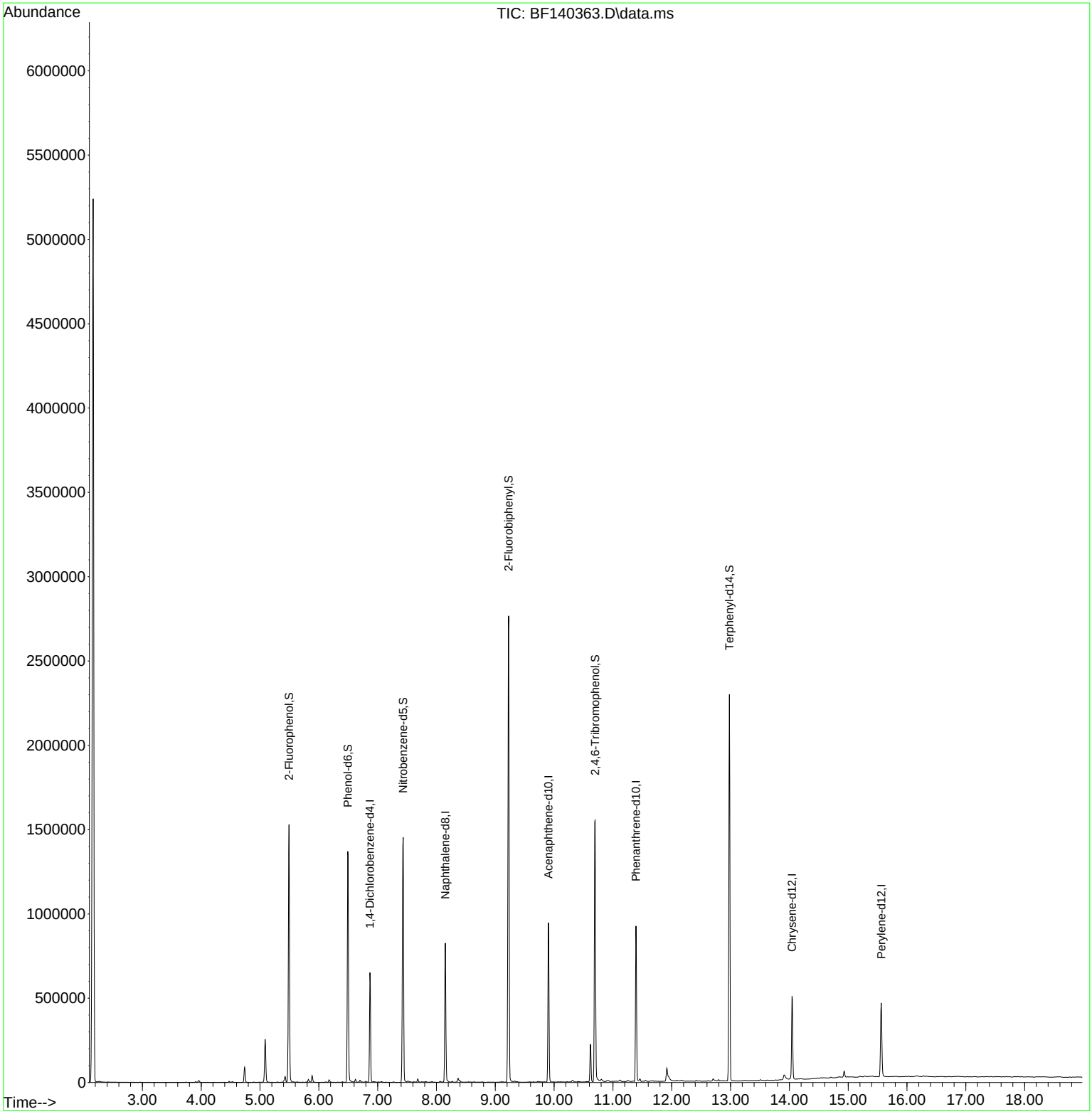
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	137046	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	514015	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	280819	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	486241	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	241422	20.000	ng	0.00
86) Perylene-d12	15.562	264	265329	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	564887	70.376	ng	0.00
7) Phenol-d6	6.492	99	668570	61.479	ng	-0.01
23) Nitrobenzene-d5	7.433	82	702982	71.257	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	271410	97.192	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1271885	72.809	ng	0.00
79) Terphenyl-d14	12.980	244	1095780	78.785	ng	0.00
Target Compounds						Qvalue

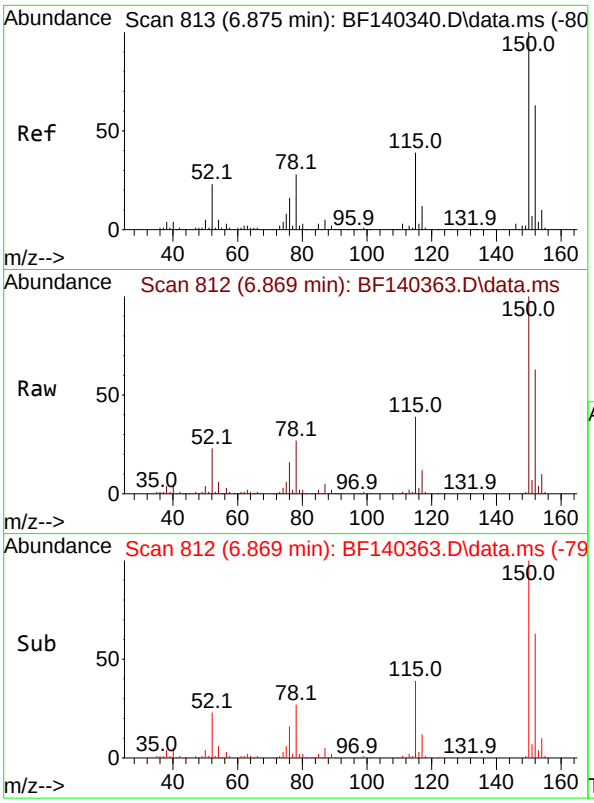
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140363.D
Acq On : 14 Nov 2024 15:39
Operator : RC/JU
Sample : P4718-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SW

Quant Time: Nov 14 18:19:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration



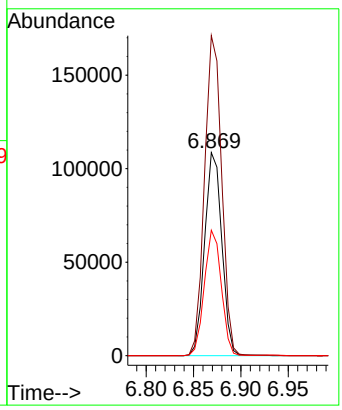


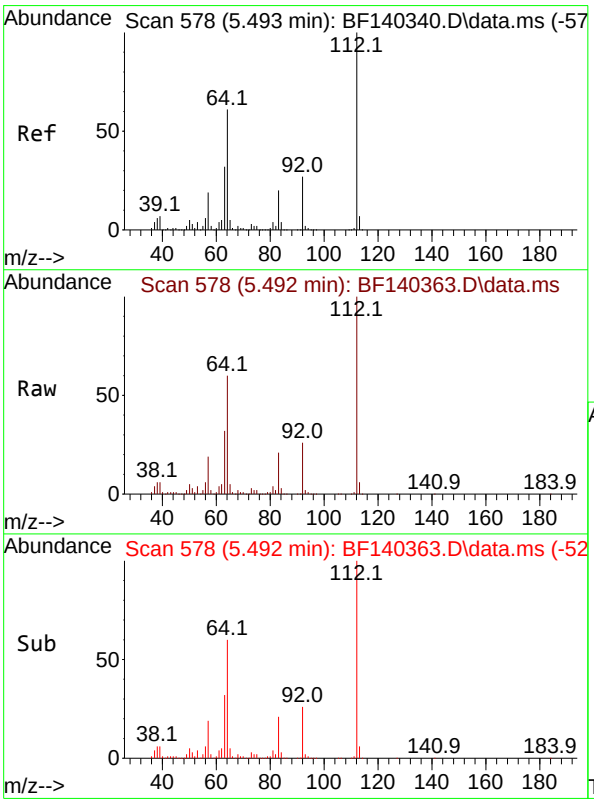
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF140363.D
Acq: 14 Nov 2024 15:39

Instrument :
BNA_F
ClientSampleId :
WB-307-SW

Tgt Ion:152 Resp: 137046

Ion	Ratio	Lower	Upper
152	100		
150	157.7	127.4	191.0
115	61.8	47.4	71.2

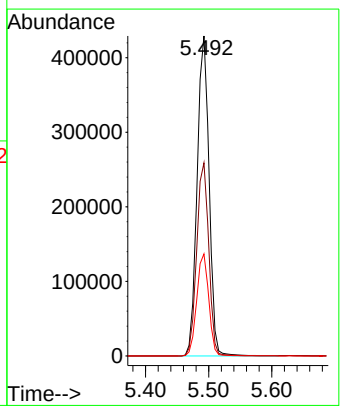


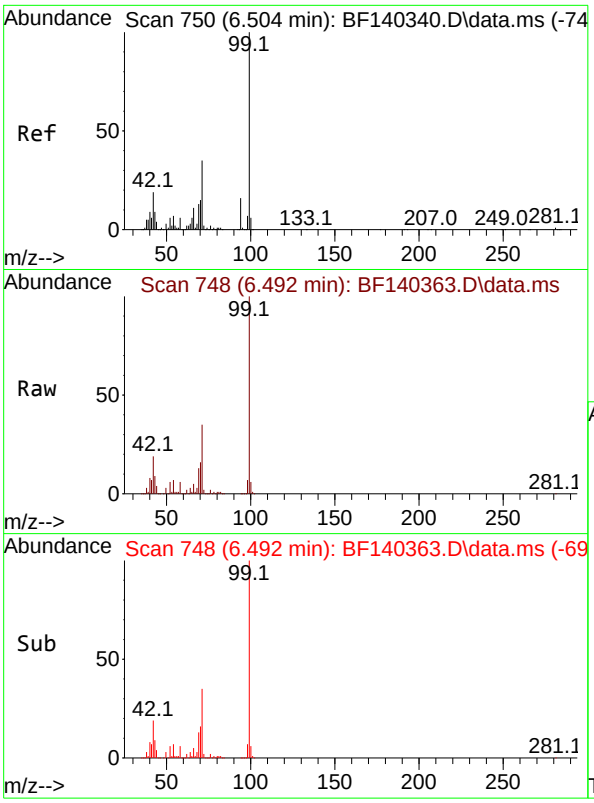


#5
2-Fluorophenol
Concen: 70.376 ng
RT: 5.492 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF140363.D
Acq: 14 Nov 2024 15:39

Tgt Ion:112 Resp: 564887

Ion	Ratio	Lower	Upper
112	100		
64	60.4	49.2	73.8
63	31.9	25.6	38.4



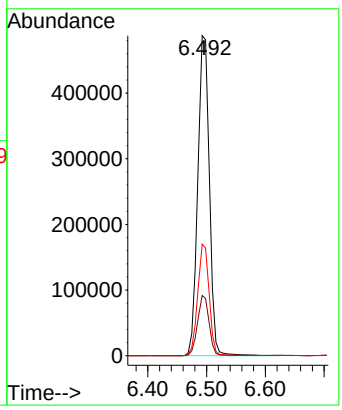


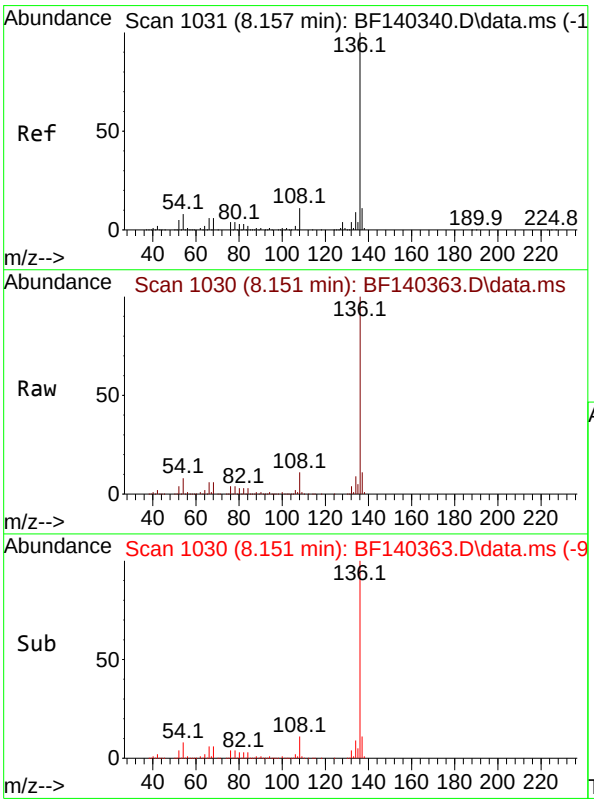
#7
Phenol-d6
Concen: 61.479 ng
RT: 6.492 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF140363.D
Acq: 14 Nov 2024 15:39

Instrument :
BNA_F
ClientSampleId :
WB-307-SW

Tgt Ion: 99 Resp: 668570

Ion	Ratio	Lower	Upper
99	100		
42	18.8	15.1	22.7
71	34.9	27.9	41.9

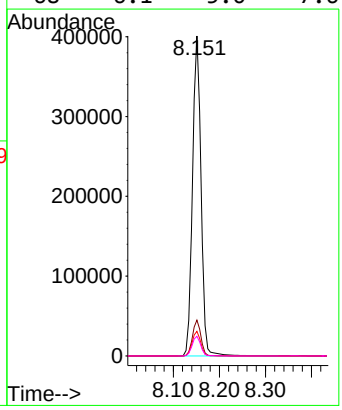


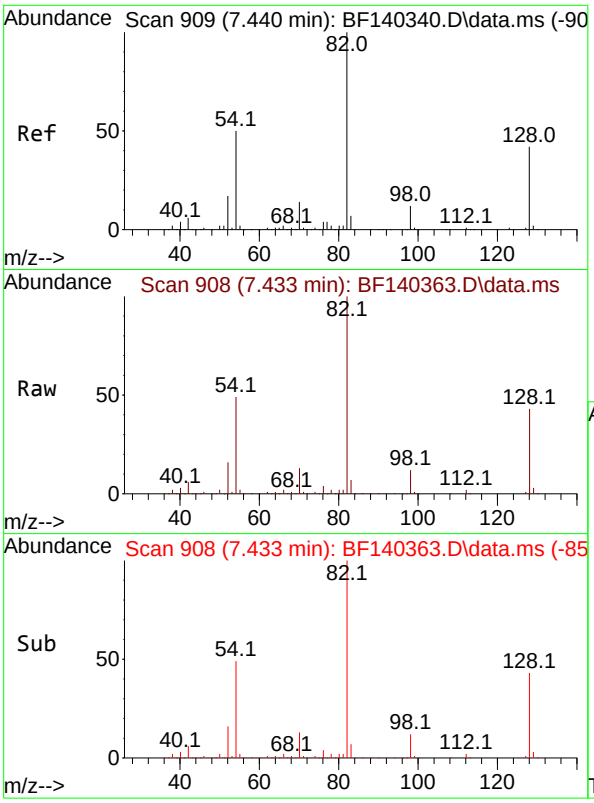


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140363.D
Acq: 14 Nov 2024 15:39

Tgt Ion:136 Resp: 514015

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	7.7	6.5	9.7
68	6.1	5.0	7.6



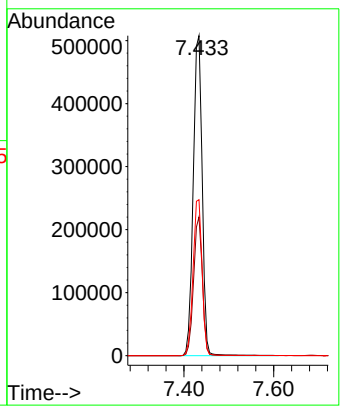


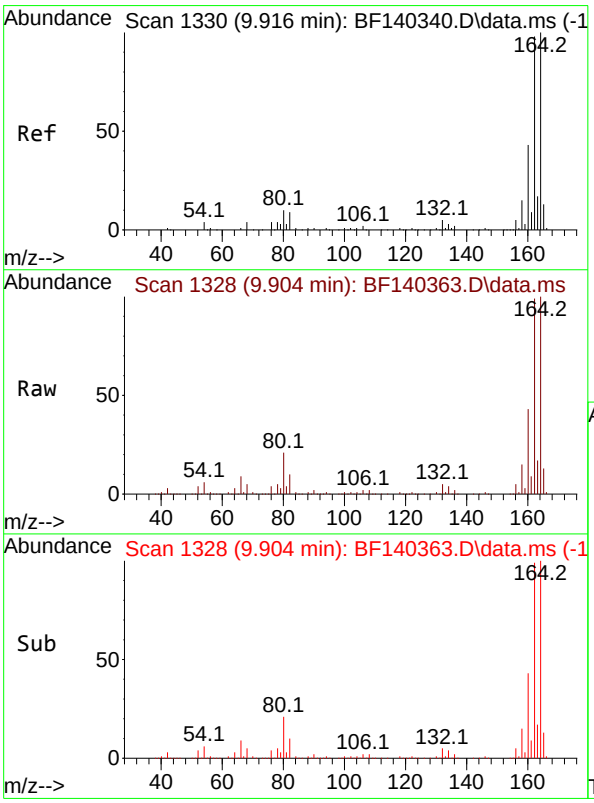
#23
Nitrobenzene-d5
Concen: 71.257 ng
RT: 7.433 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140363.D
Acq: 14 Nov 2024 15:39

Instrument :
BNA_F
ClientSampleId :
WB-307-SW

Tgt Ion: 82 Resp: 702982

Ion	Ratio	Lower	Upper
82	100		
128	43.3	33.3	49.9
54	48.8	39.8	59.8

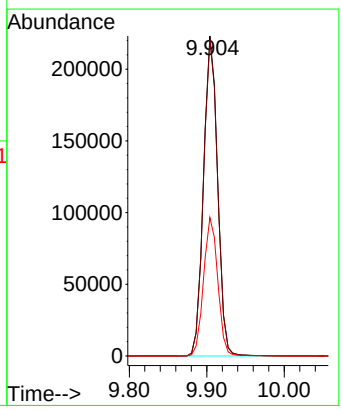


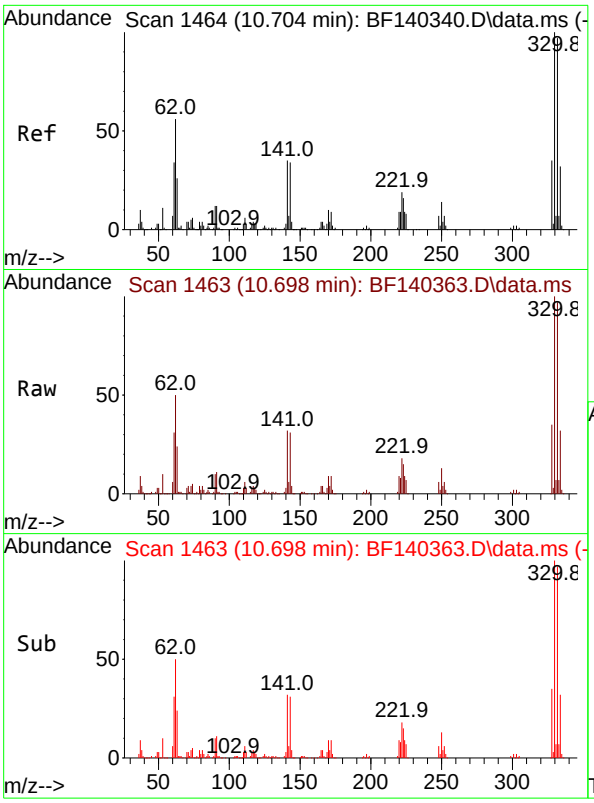


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140363.D
Acq: 14 Nov 2024 15:39

Tgt Ion:164 Resp: 280819

Ion	Ratio	Lower	Upper
164	100		
162	98.7	79.8	119.8
160	43.2	35.4	53.0



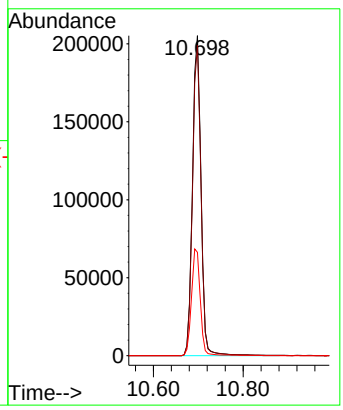


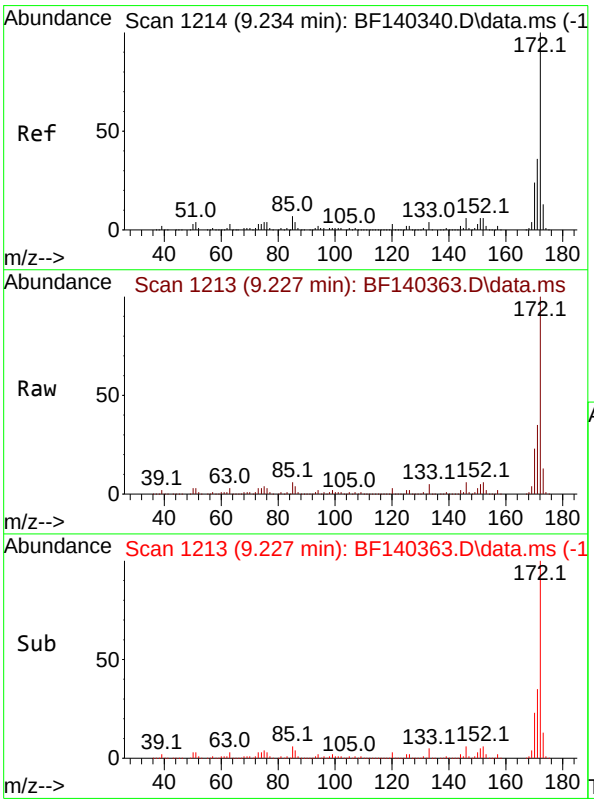
#42
2,4,6-Tribromophenol
Concen: 97.192 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140363.D
Acq: 14 Nov 2024 15:39

Instrument :
BNA_F
ClientSampleId :
WB-307-SW

Tgt Ion:330 Resp: 271410

Ion	Ratio	Lower	Upper
330	100		
332	96.8	75.9	113.9
141	34.4	26.9	40.3

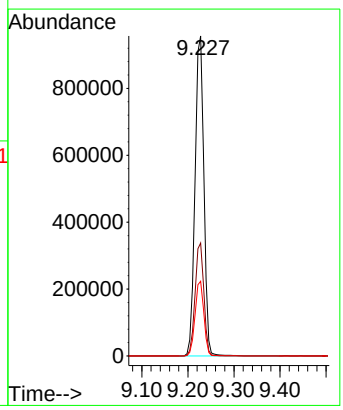


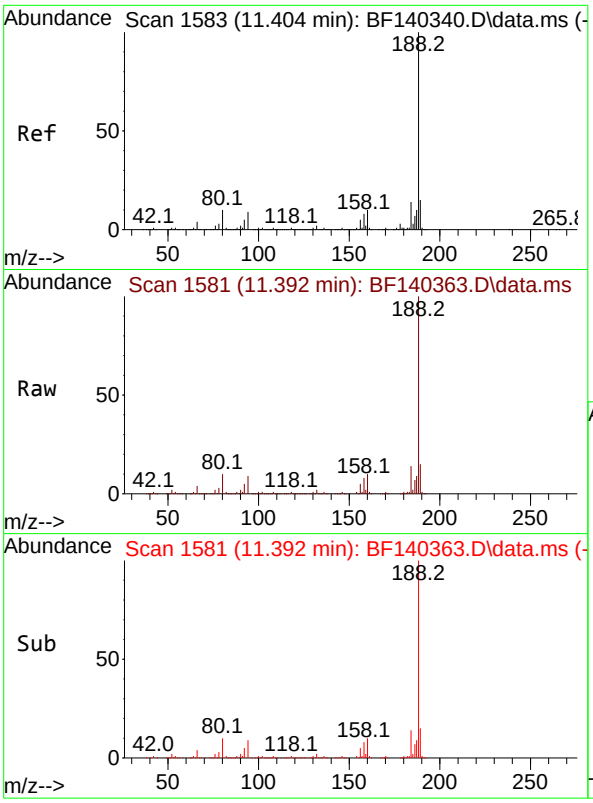


#45
2-Fluorobiphenyl
Concen: 72.809 ng
RT: 9.227 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140363.D
Acq: 14 Nov 2024 15:39

Tgt Ion:172 Resp: 1271885

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.5	42.7
170	23.4	19.1	28.7



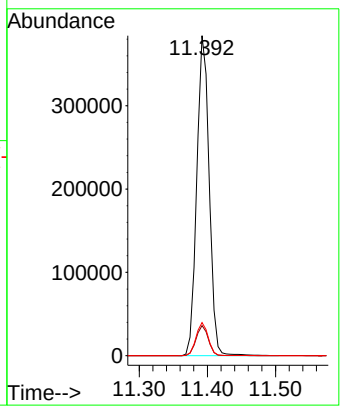


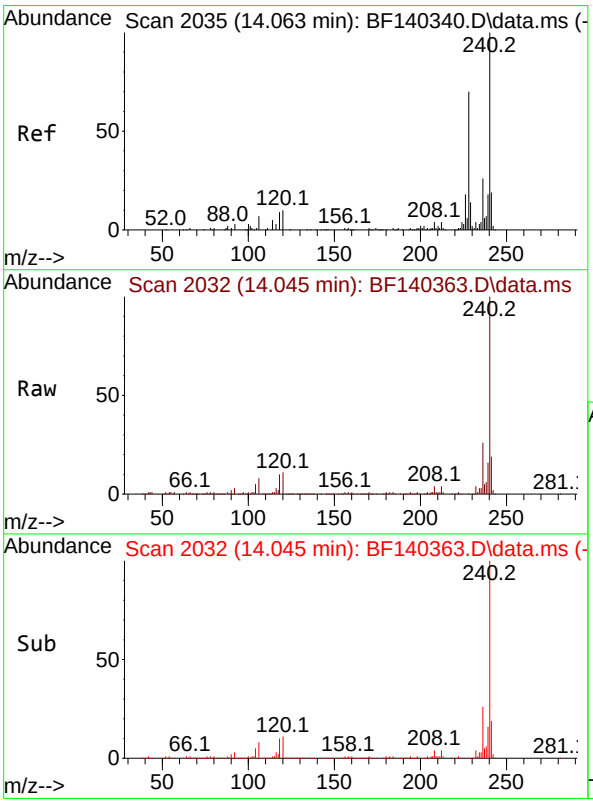
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140363.D
Acq: 14 Nov 2024 15:39

Instrument :
BNA_F
ClientSampleId :
WB-307-SW

Tgt Ion:188 Resp: 486241

Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.6	11.4
80	10.3	8.0	12.0

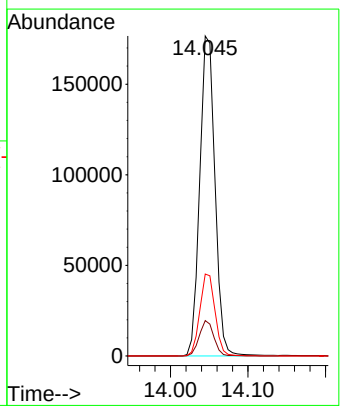


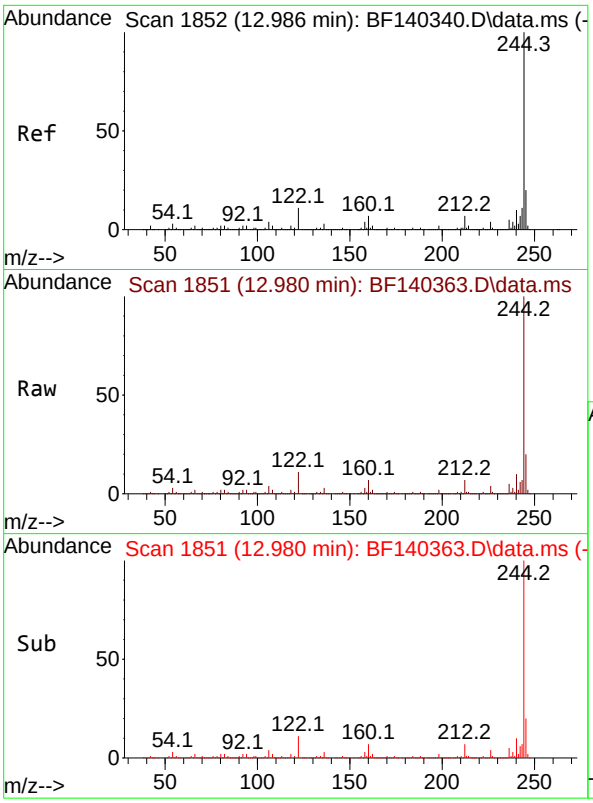


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140363.D
Acq: 14 Nov 2024 15:39

Tgt Ion:240 Resp: 241422

Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.8	13.2
236	25.6	20.9	31.3



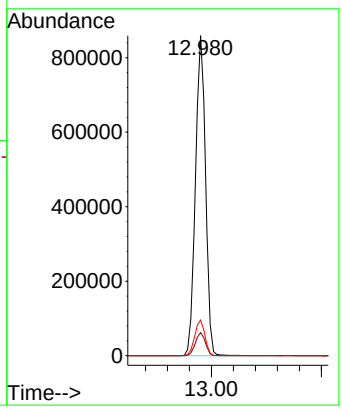


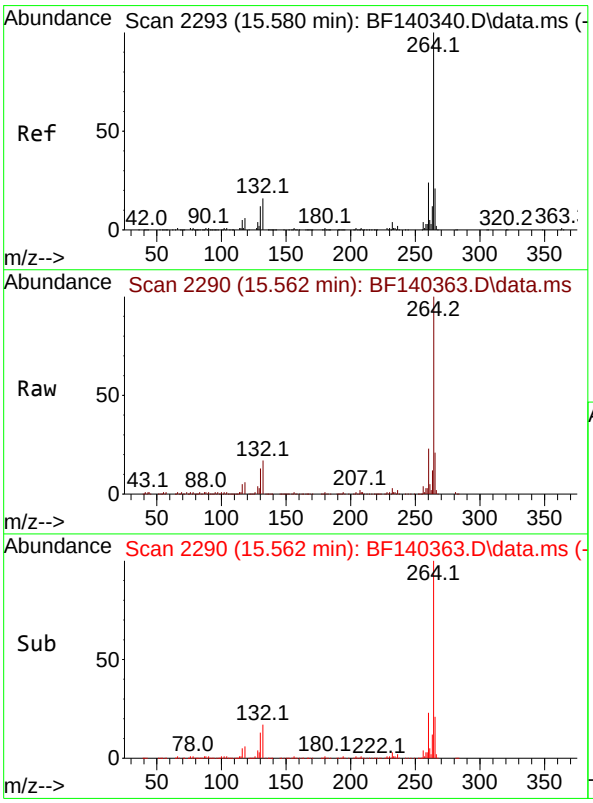
#79
Terphenyl-d14
Concen: 78.785 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140363.D
Acq: 14 Nov 2024 15:39

Instrument :
BNA_F
ClientSampleId :
WB-307-SW

Tgt Ion:244 Resp: 1095780

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	11.1	8.8	13.2

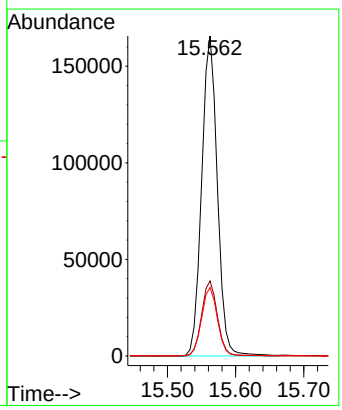




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2290
Delta R.T. 0.006 min
Lab File: BF140363.D
Acq: 14 Nov 2024 15:39

Tgt Ion:264 Resp: 265329

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.4	17.1	25.7



Sample Results: **BF140363.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140363.D
Acq On : 14 Nov 2024 15:39
Operator : RC/JU
Sample : P4718-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SW

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140363.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.163	3	12	18	rBV	5236869	9048173	100.00%	29.872%
2	4.740	444	450	457	rBV	88229	120895	1.34%	0.399%
3	5.087	500	509	524	rVB	255818	384092	4.24%	1.268%
4	5.492	571	578	589	rBV	1528568	2030789	22.44%	6.704%
5	6.492	740	748	766	rBV	1369975	1893398	20.93%	6.251%
6	6.869	807	812	820	rBV	650115	813239	8.99%	2.685%
7	7.433	901	908	913	rBV	1453141	1996894	22.07%	6.593%
8	8.151	1024	1030	1043	rVB	824229	1051528	11.62%	3.472%
9	9.227	1206	1213	1223	rBV	2764542	3689213	40.77%	12.180%
10	9.904	1323	1328	1338	rBV	944831	1188638	13.14%	3.924%
11	10.621	1444	1450	1457	rBV	220028	288895	3.19%	0.954%
12	10.698	1457	1463	1477	rBV	1554445	2153215	23.80%	7.109%
13	11.392	1576	1581	1588	rBV	921943	1162704	12.85%	3.839%
14	11.916	1665	1670	1685	rBV3	77066	174248	1.93%	0.575%
15	12.980	1845	1851	1856	rBV	2292241	2908373	32.14%	9.602%
16	14.045	2025	2032	2043	rVB	491224	677917	7.49%	2.238%
17	15.562	2284	2290	2303	rBV	436909	708047	7.83%	2.338%

Sum of corrected areas: 30290258

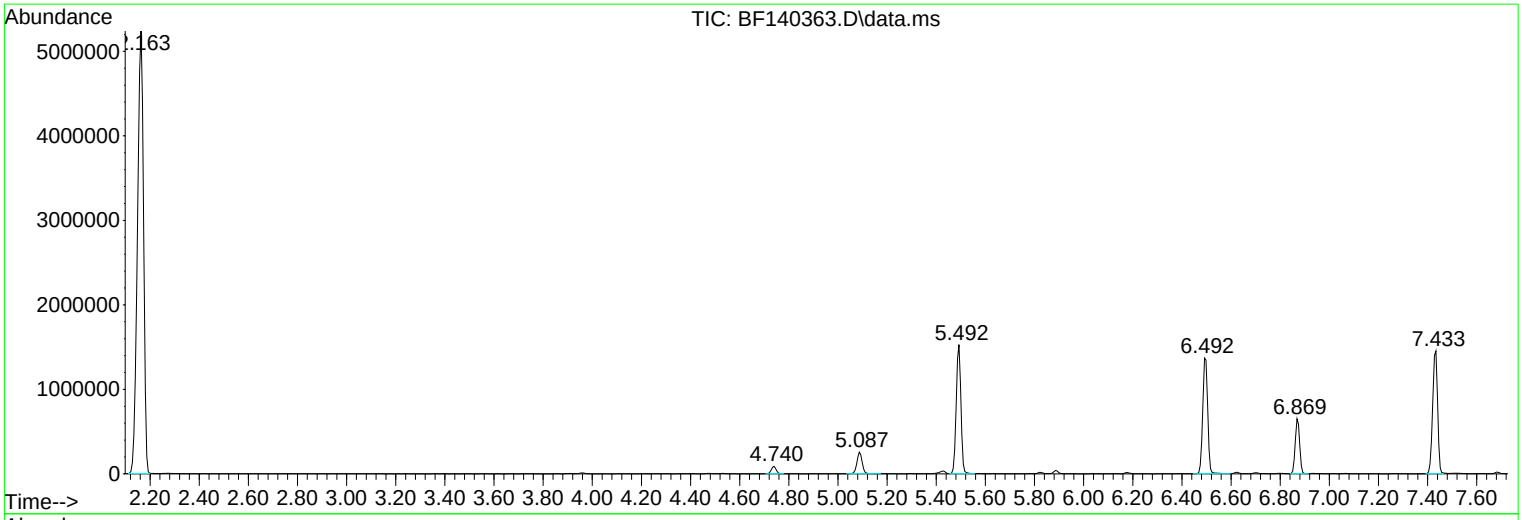
Sample Results: **BF140363.D**

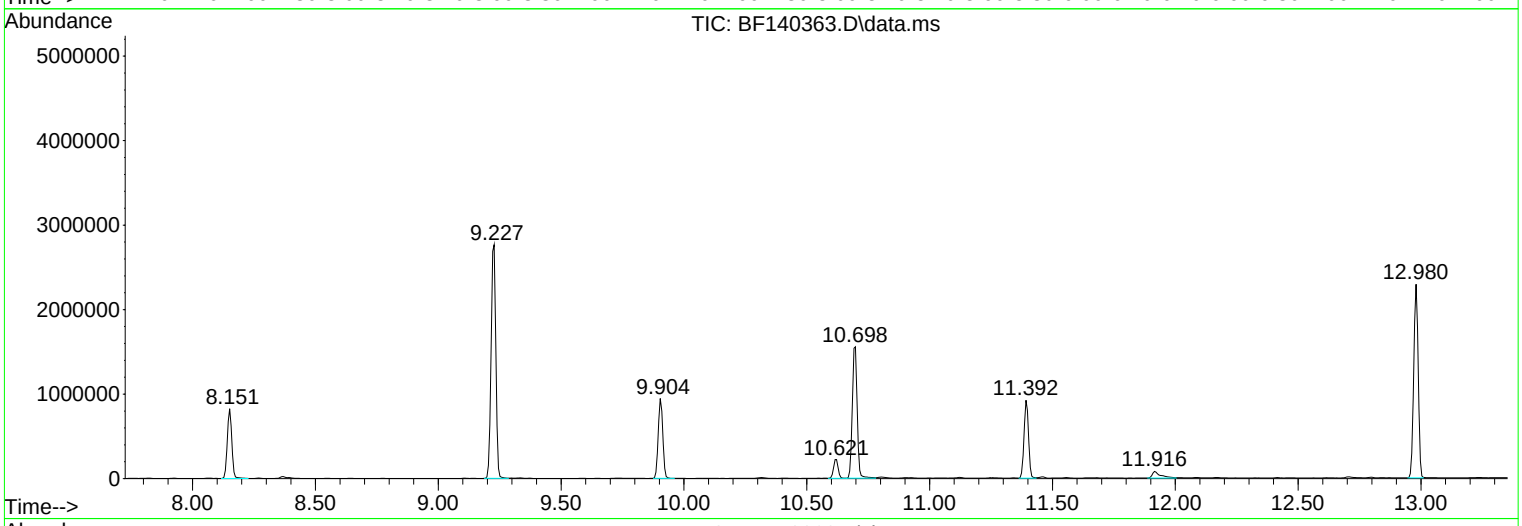
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140363.D
Acq On : 14 Nov 2024 15:39
Operator : RC/JU
Sample : P4718-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

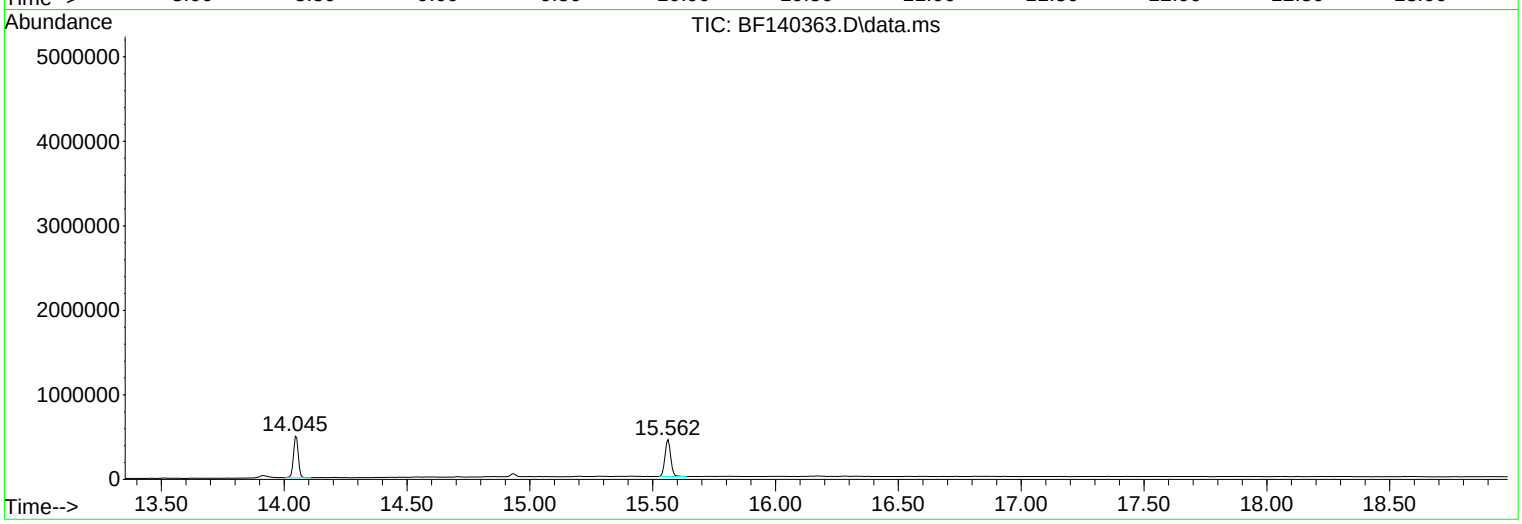
Instrument :
BNA_F
ClientSampleId :
WB-307-SW

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140363.D
Acq On : 14 Nov 2024 15:39
Operator : RC/JU
Sample : P4718-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SW

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

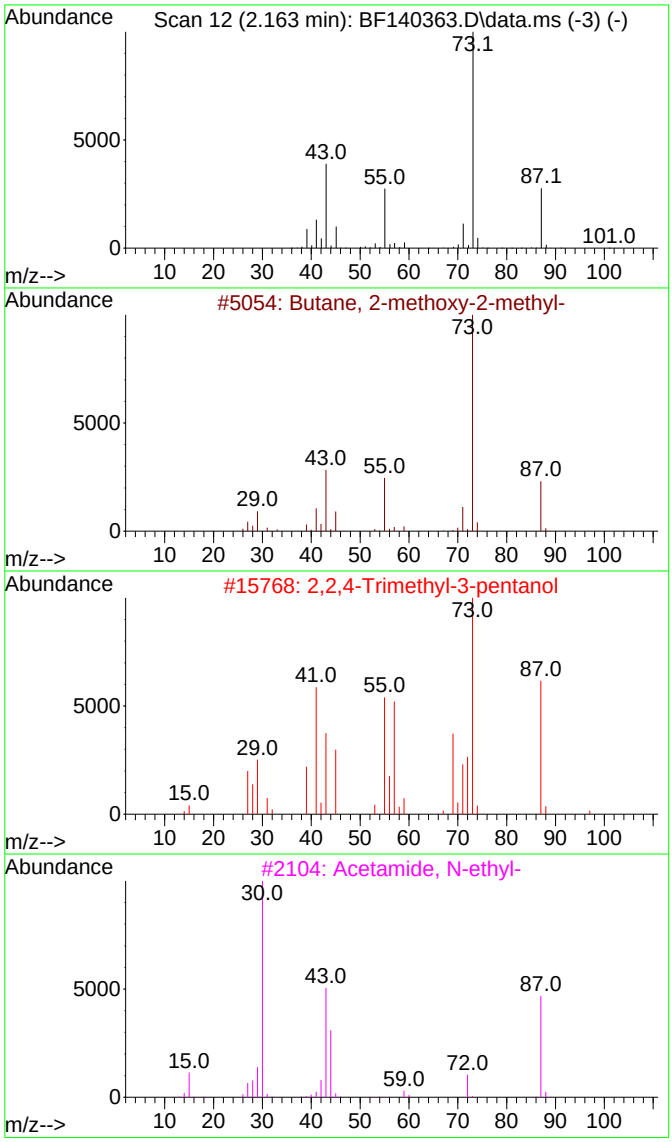
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

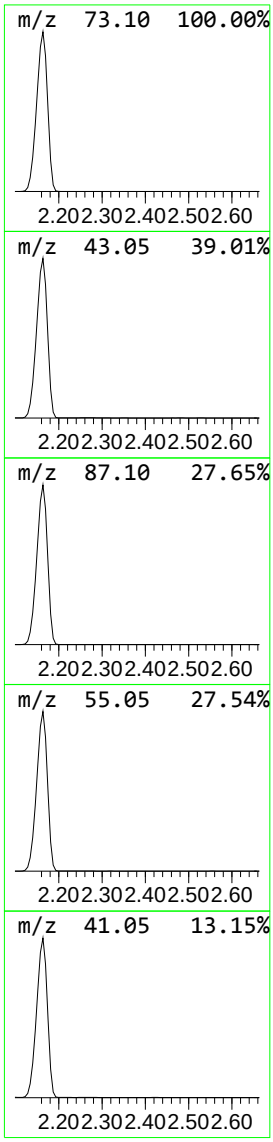
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.163	222.52 ng	9048170	1,4-Dichlorobenzene-d4	6.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
4	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140363.D
Acq On : 14 Nov 2024 15:39
Operator : RC/JU
Sample : P4718-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SW

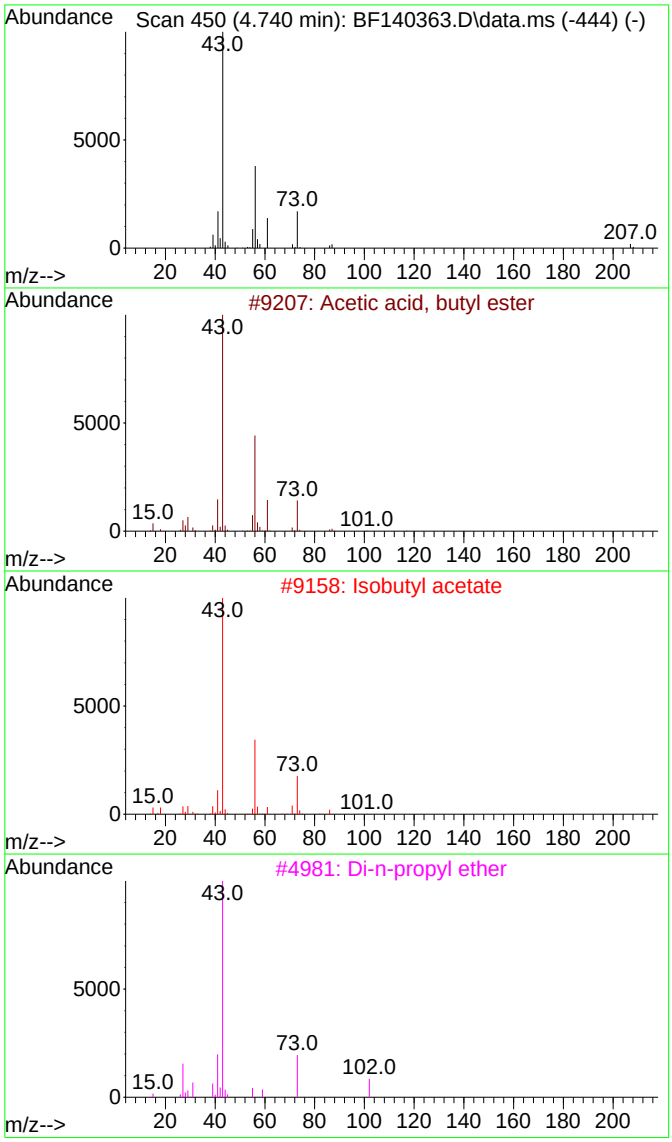
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

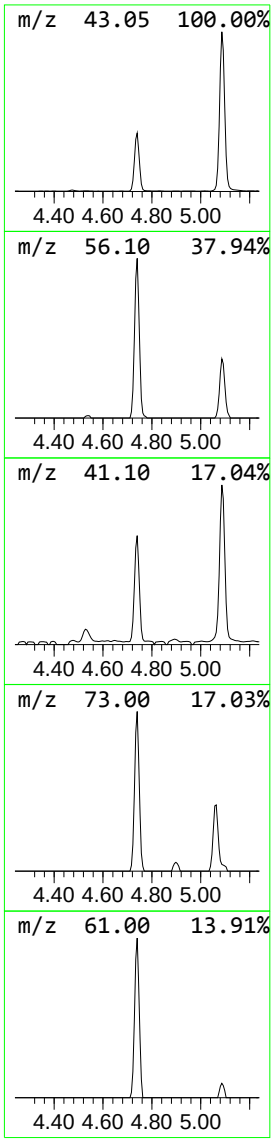
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Acetic acid, butyl ester Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.740	2.97 ng	120895	1,4-Dichlorobenzene-d4	6.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	78
2	Isobutyl acetate	116	C6H12O2	000110-19-0	39
3	Di-n-propyl ether	102	C6H14O	000111-43-3	16
4	Isobutylamine	73	C4H11N	000078-81-9	9
5	Acetic acid, hexyl ester	144	C8H16O2	000142-92-7	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140363.D
Acq On : 14 Nov 2024 15:39
Operator : RC/JU
Sample : P4718-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SW

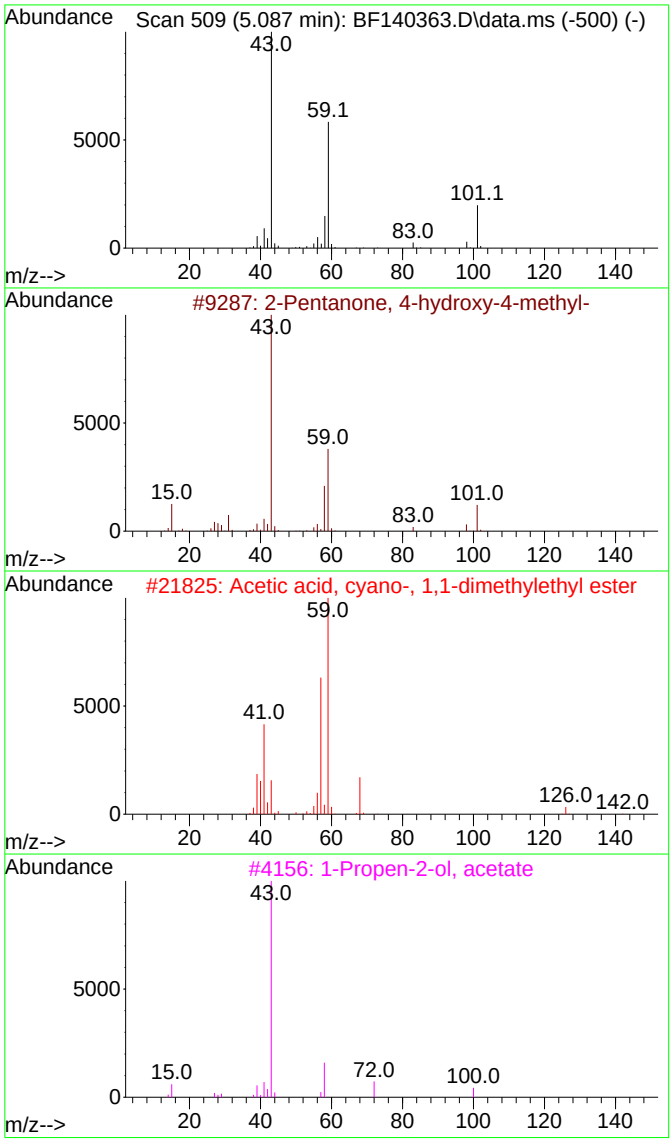
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

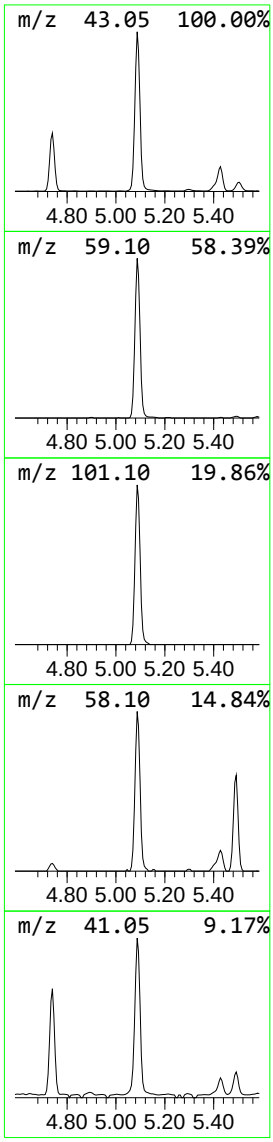
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.087	9.45 ng	384092	1,4-Dichlorobenzene-d4	6.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	3-Hexanol, 4-ethyl-	130	C8H18O	019780-44-0	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140363.D
Acq On : 14 Nov 2024 15:39
Operator : RC/JU
Sample : P4718-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SW

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

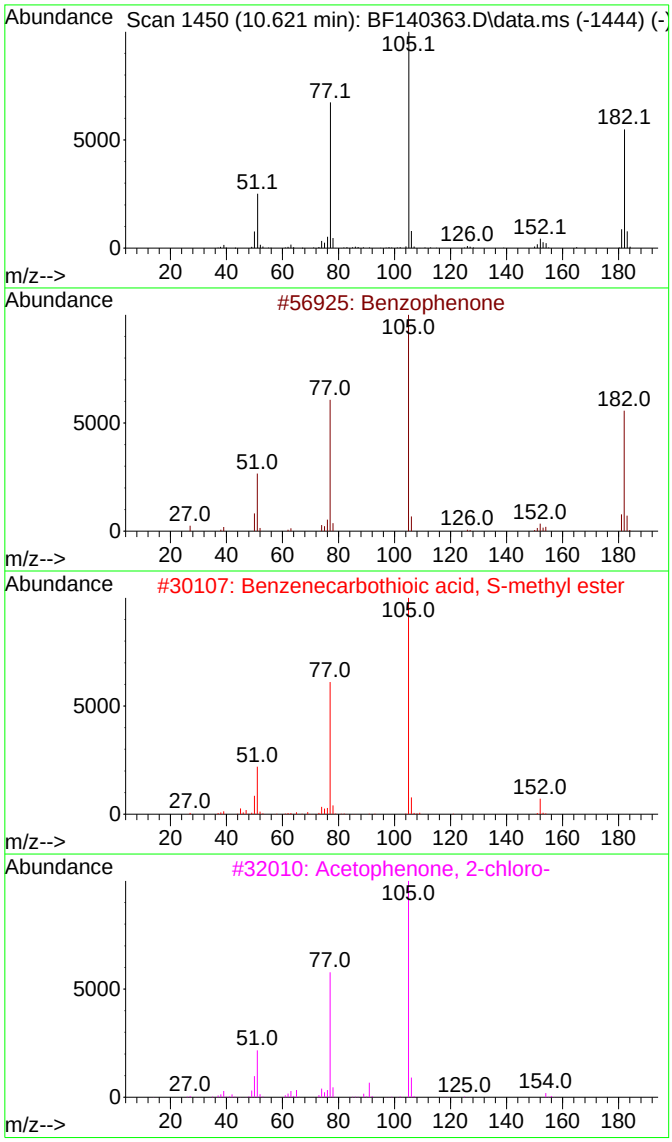
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

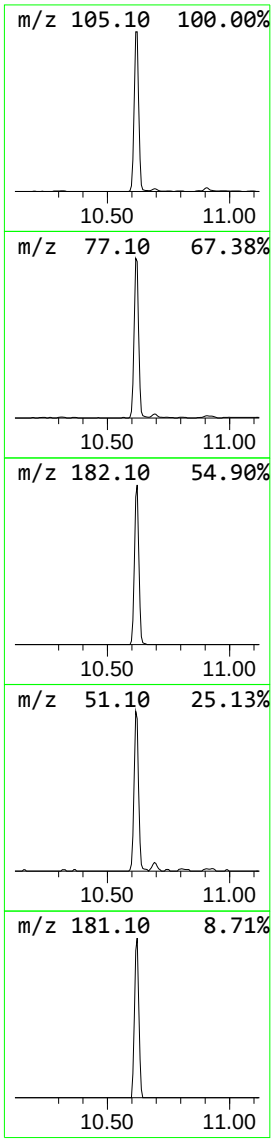
****

Peak Number 4 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.621	4.86 ng	288895	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	58
3	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
4	2-Chloro-1-phenyl-1-propanone	168	C9H9ClO	006084-17-9	47
5	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140363.D
Acq On : 14 Nov 2024 15:39
Operator : RC/JU
Sample : P4718-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SW

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

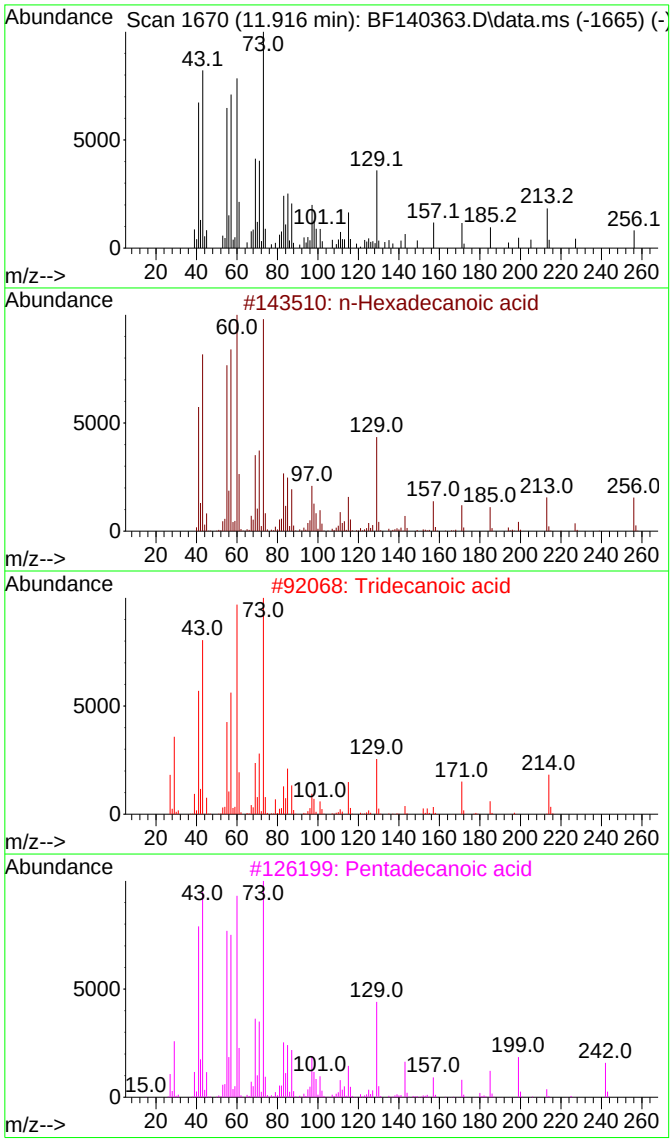
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

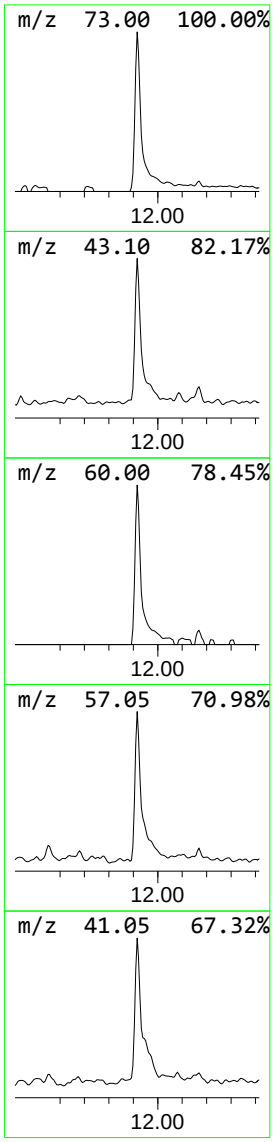
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	3.00 ng	174248	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	86
5	n-Decanoic acid	172	C10H20O2	000334-48-5	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140363.D
Acq On : 14 Nov 2024 15:39
Operator : RC/JU
Sample : P4718-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WB-307-SW

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.163	222.5	ng	9048170	1	6.869	813239	20.0
Acetic acid, bu...	4.740	3.0	ng	120895	1	6.869	813239	20.0
2-Pentanone, 4-...	5.087	9.4	ng	384092	1	6.869	813239	20.0
Benzophenone	10.621	4.9	ng	288895	3	9.904	1188640	20.0
n-Hexadecanoic ...	11.916	3.0	ng	174248	4	11.392	1162700	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140262.D
Acq On : 07 Nov 2024 09:28
Operator : RC/JU
Sample : PB164702BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164702BL

Quant Time: Nov 07 10:52:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

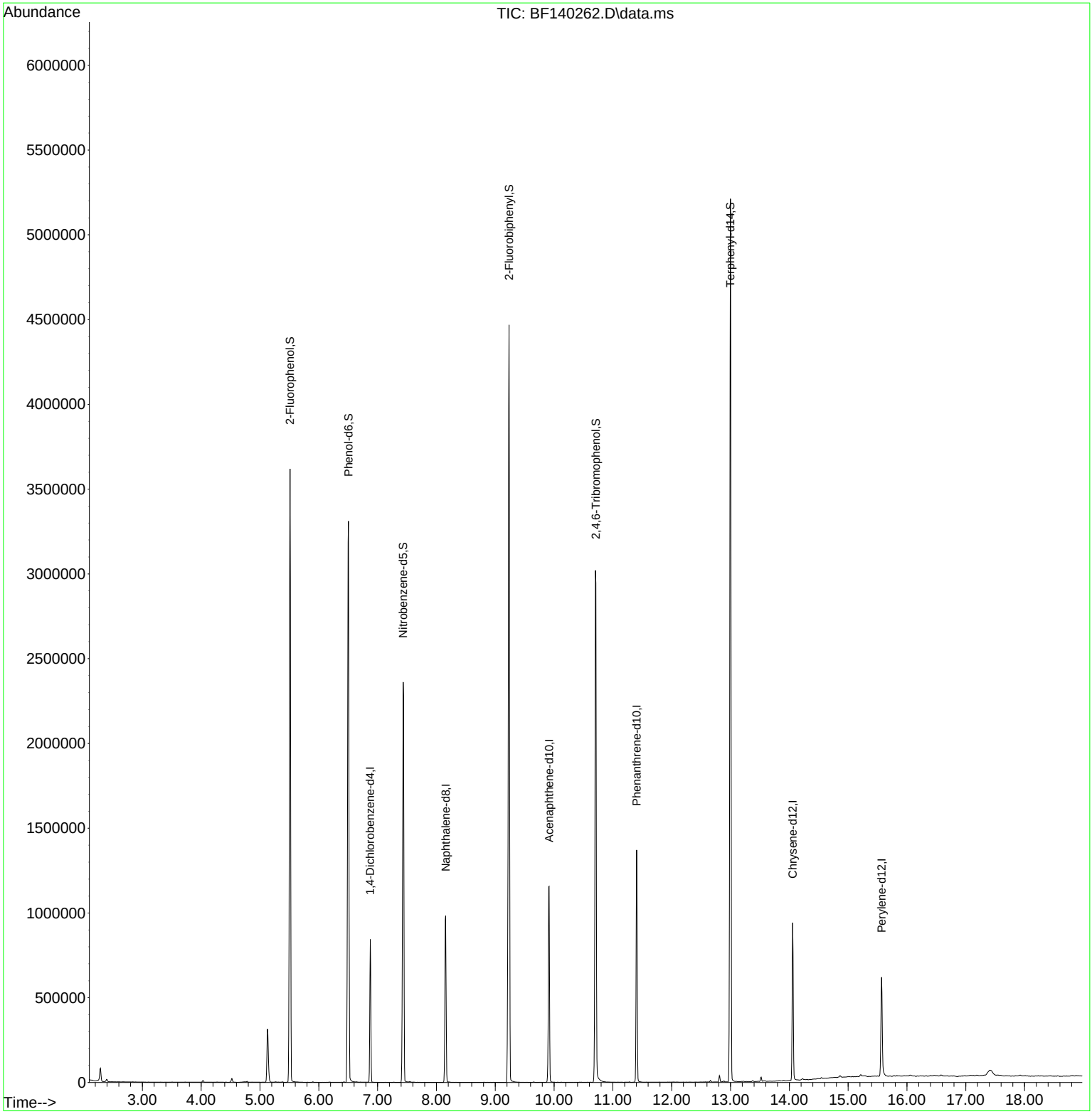
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	166392	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	650819	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	391148	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	728833	20.000	ng	0.00
76) Chrysene-d12	14.057	240	449594	20.000	ng	0.00
86) Perylene-d12	15.568	264	367483	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1371725	136.619	ng	0.02
7) Phenol-d6	6.504	99	1727752	133.783	ng	0.00
23) Nitrobenzene-d5	7.434	82	1191580	91.029	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	586979	151.820	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	2232636	91.144	ng	0.00
79) Terphenyl-d14	12.998	244	2762575	100.656	ng	0.00
Target Compounds						Qvalue

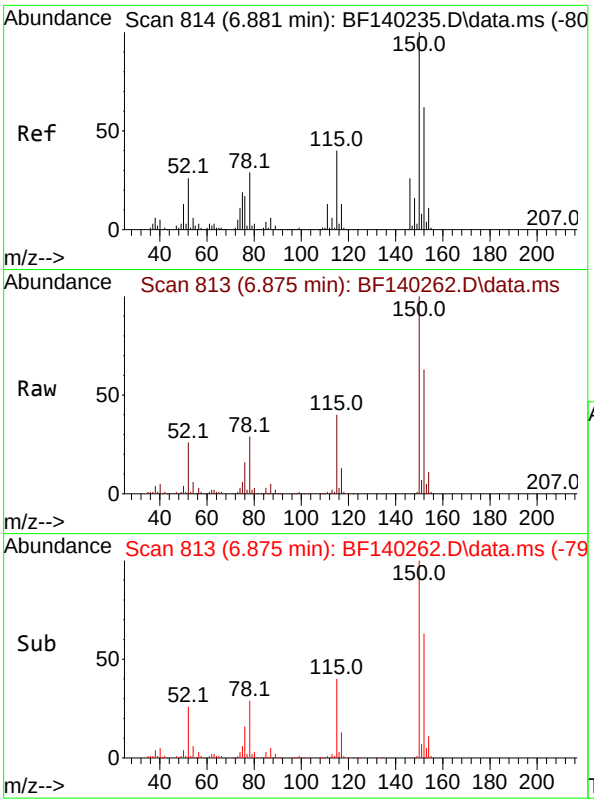
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140262.D
Acq On : 07 Nov 2024 09:28
Operator : RC/JU
Sample : PB164702BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164702BL

Quant Time: Nov 07 10:52:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration



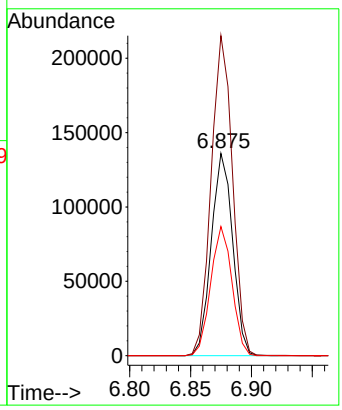


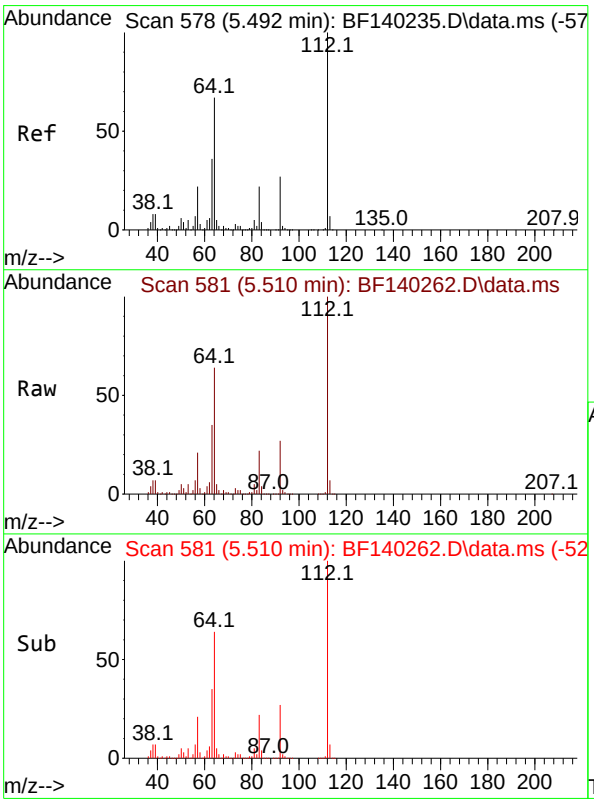
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140262.D
Acq: 07 Nov 2024 09:28

Instrument :
BNA_F
ClientSampleId :
PB164702BL

Tgt Ion:152 Resp: 166392

Ion	Ratio	Lower	Upper
152	100		
150	158.2	129.4	194.2
115	63.8	51.5	77.3

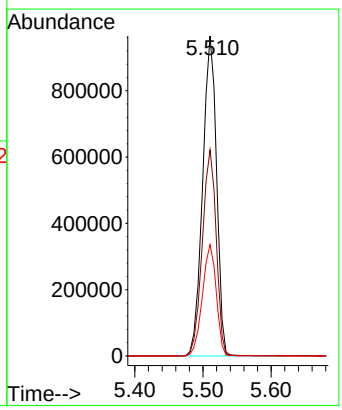


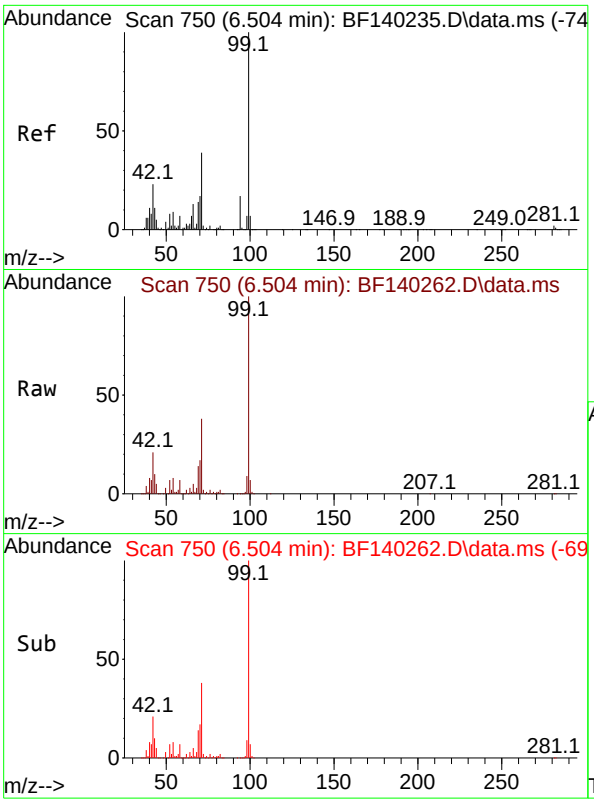


#5
2-Fluorophenol
Concen: 136.619 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.018 min
Lab File: BF140262.D
Acq: 07 Nov 2024 09:28

Tgt Ion:112 Resp: 1371725

Ion	Ratio	Lower	Upper
112	100		
64	64.4	53.4	80.2
63	34.8	28.9	43.3



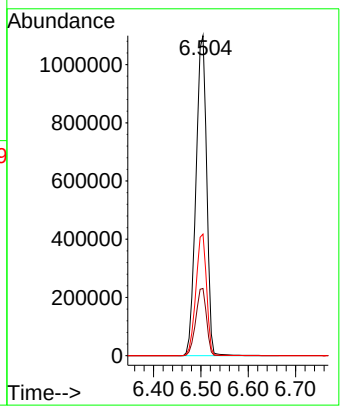


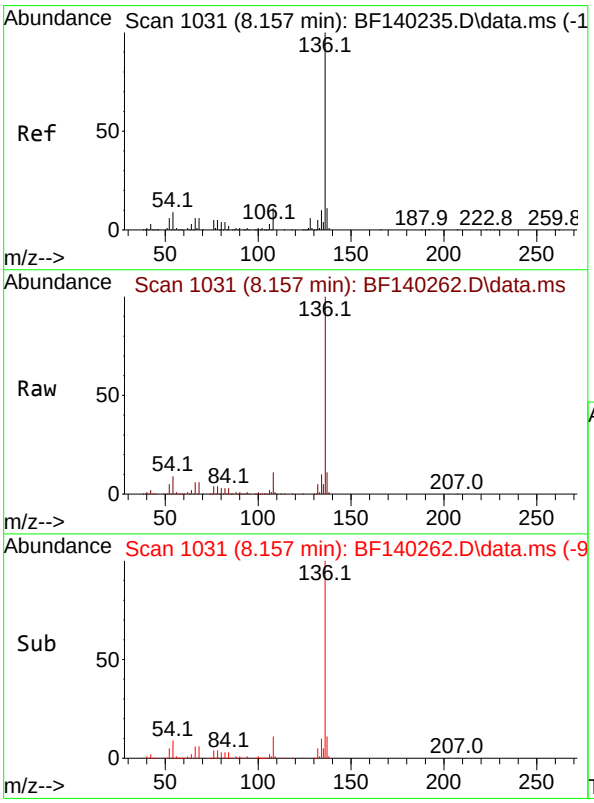
#7
Phenol-d6
Concen: 133.783 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF140262.D
Acq: 07 Nov 2024 09:28

Instrument :
BNA_F
ClientSampleId :
PB164702BL

Tgt Ion: 99 Resp: 1727752

Ion	Ratio	Lower	Upper
99	100		
42	21.0	18.2	27.2
71	38.0	30.9	46.3

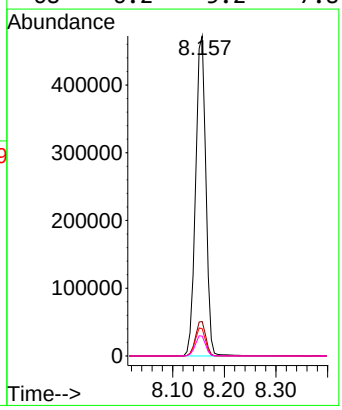


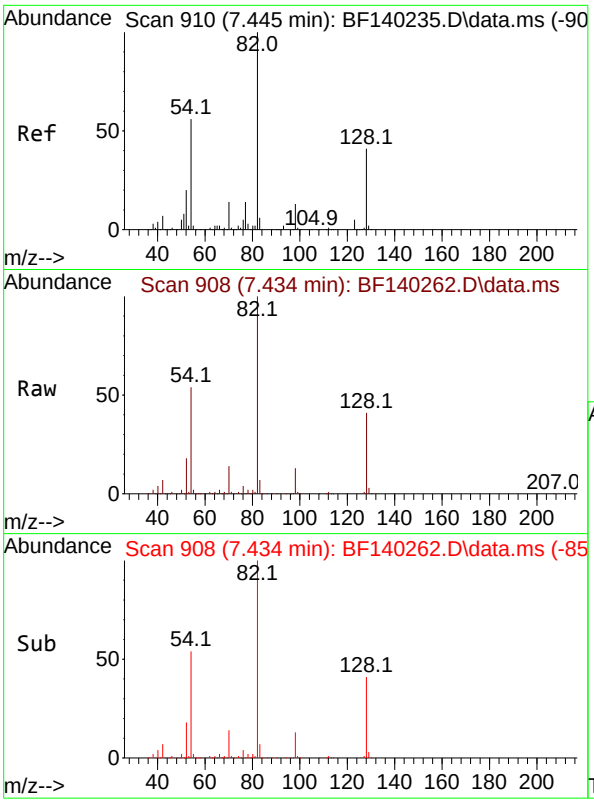


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140262.D
Acq: 07 Nov 2024 09:28

Tgt Ion:136 Resp: 650819

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.6
54	8.5	7.7	11.5
68	6.2	5.2	7.8



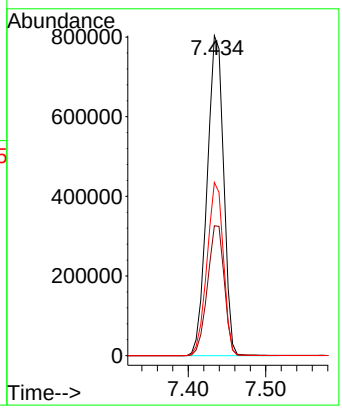


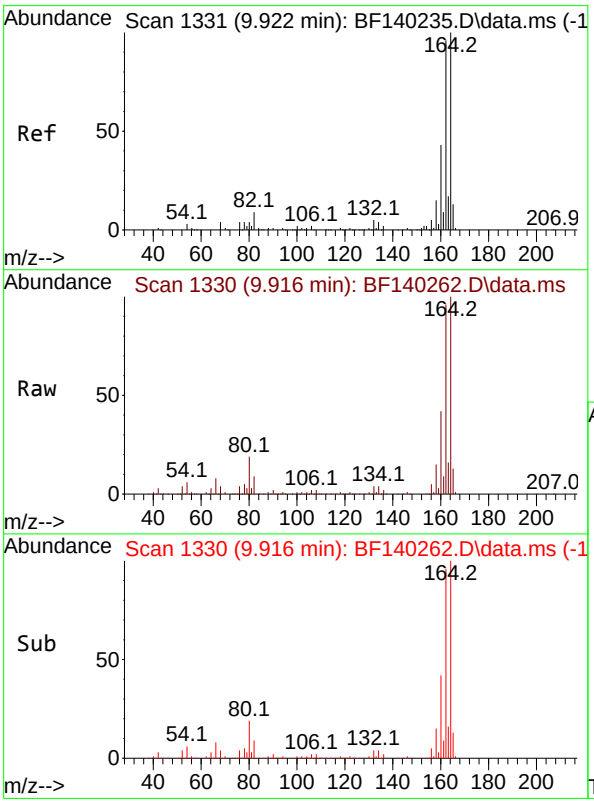
#23
Nitrobenzene-d5
Concen: 91.029 ng
RT: 7.434 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF140262.D
Acq: 07 Nov 2024 09:28

Instrument :
BNA_F
ClientSampleId :
PB164702BL

Tgt Ion: 82 Resp: 1191580

Ion	Ratio	Lower	Upper
82	100		
128	40.6	32.8	49.2
54	54.2	44.3	66.5

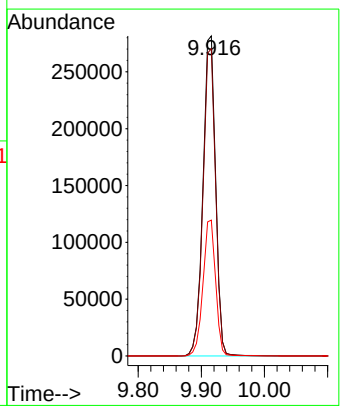


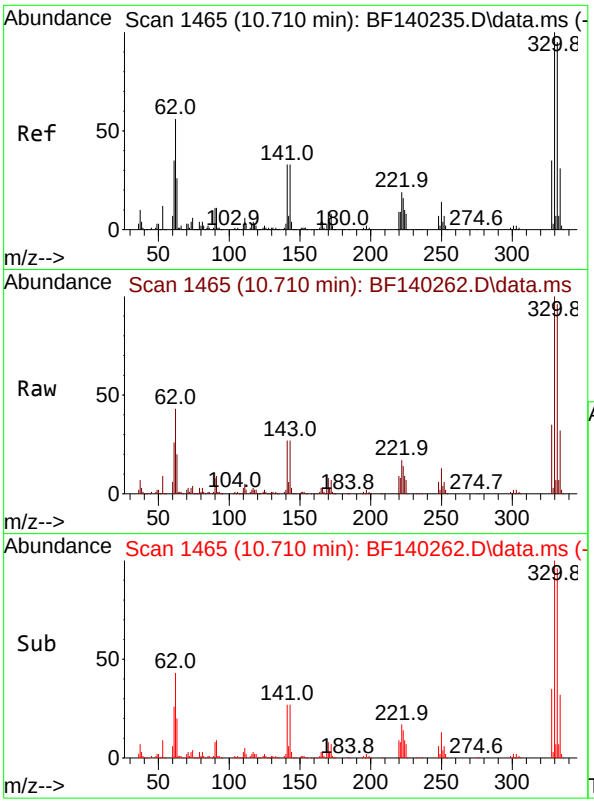


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF140262.D
Acq: 07 Nov 2024 09:28

Tgt Ion:164 Resp: 391148

Ion	Ratio	Lower	Upper
164	100		
162	96.0	77.0	115.4
160	42.4	34.1	51.1



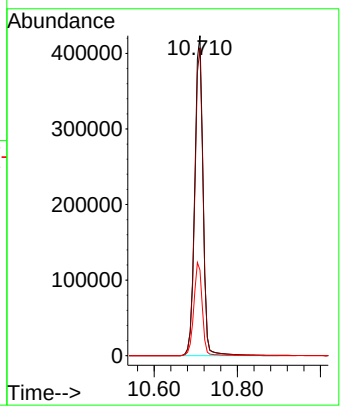


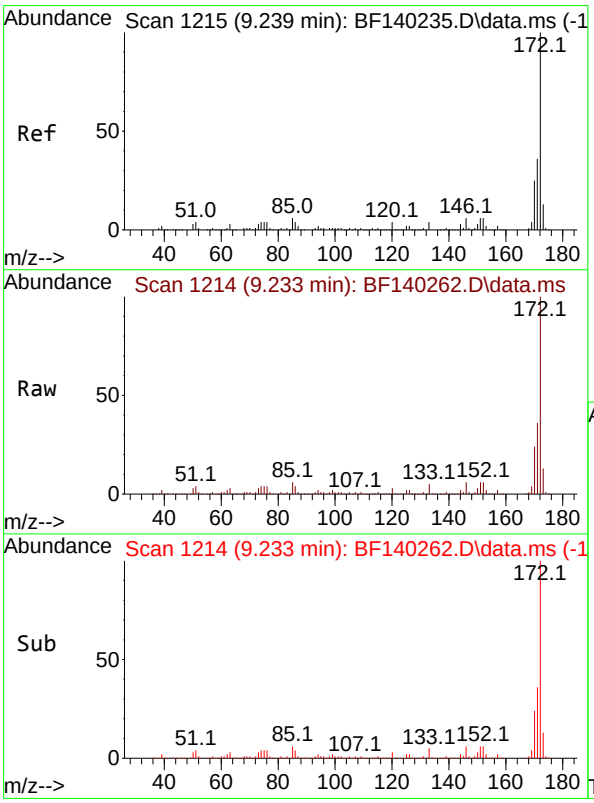
#42
2,4,6-Tribromophenol
Concen: 151.820 ng
RT: 10.710 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140262.D
Acq: 07 Nov 2024 09:28

Instrument :
BNA_F
ClientSampleId :
PB164702BL

Tgt Ion:330 Resp: 586979

Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.4	114.6
141	29.7	27.0	40.4

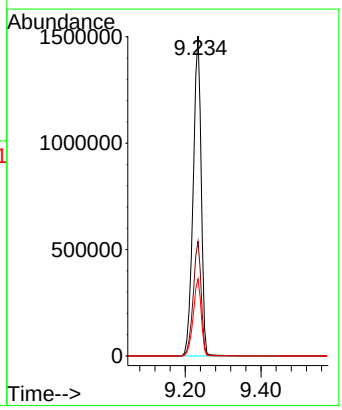


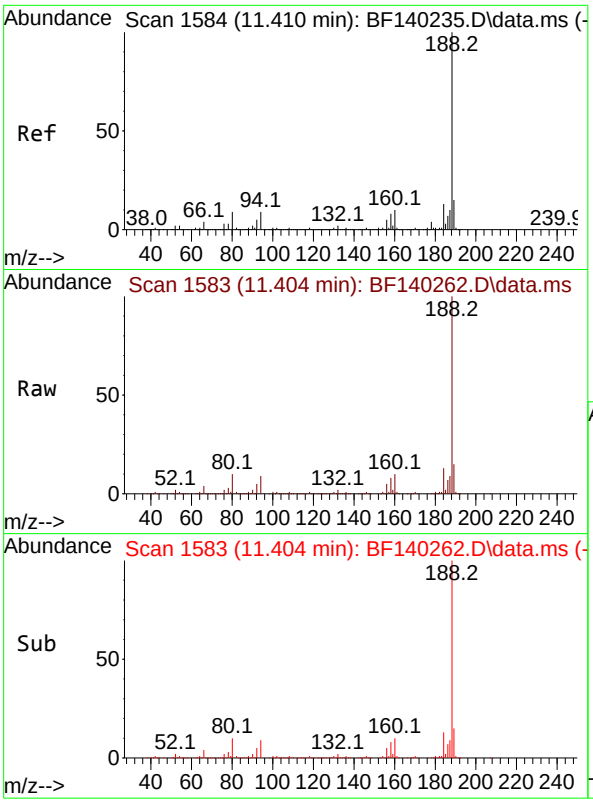


#45
2-Fluorobiphenyl
Concen: 91.144 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF140262.D
Acq: 07 Nov 2024 09:28

Tgt Ion:172 Resp: 2232636

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.8	43.2
170	24.1	19.6	29.4



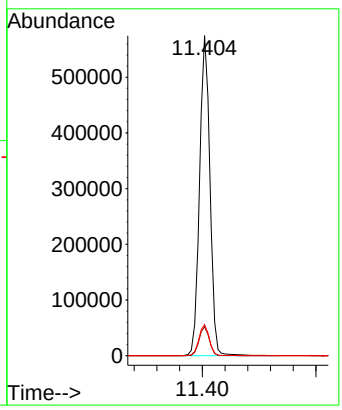


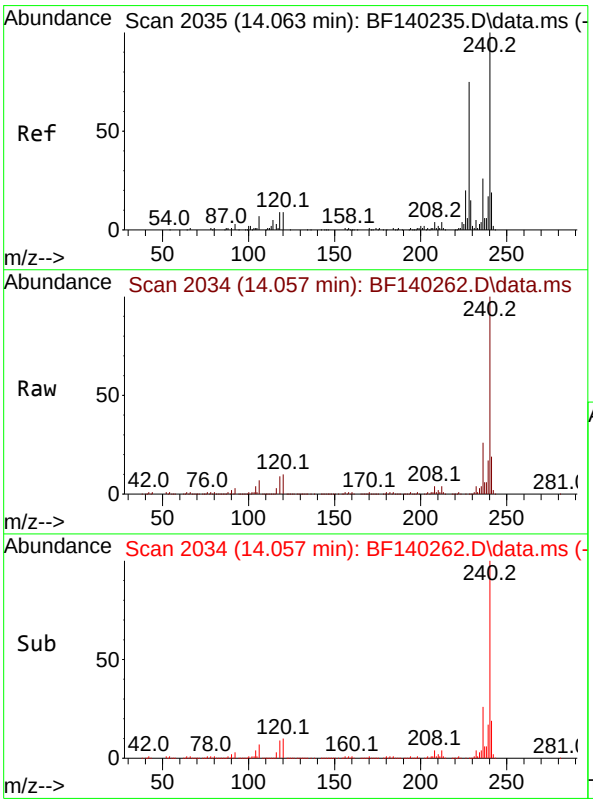
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140262.D
Acq: 07 Nov 2024 09:28

Instrument :
BNA_F
ClientSampleId :
PB164702BL

Tgt Ion:188 Resp: 728833

Ion	Ratio	Lower	Upper
188	100		
94	9.1	6.9	10.3
80	9.7	7.5	11.3

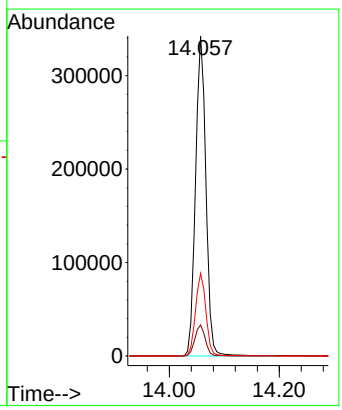


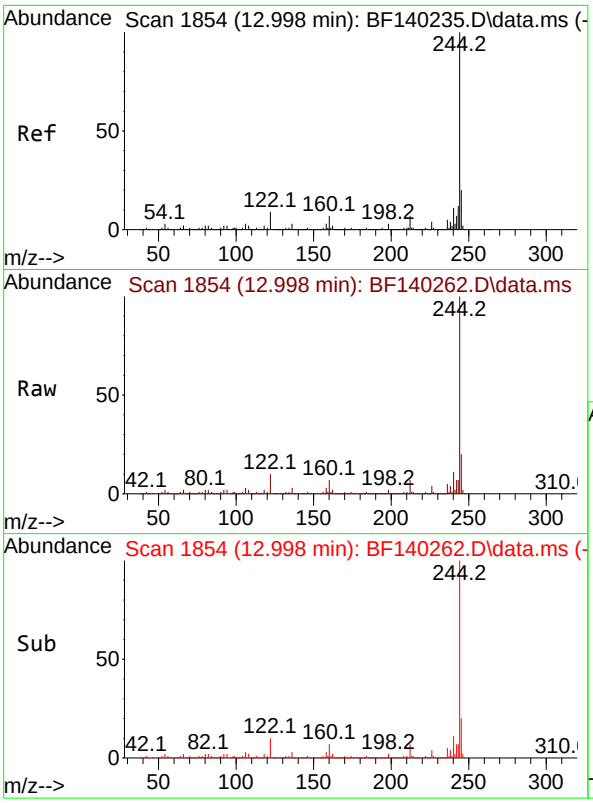


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF140262.D
Acq: 07 Nov 2024 09:28

Tgt Ion:240 Resp: 449594

Ion	Ratio	Lower	Upper
240	100		
120	9.7	7.5	11.3
236	25.8	20.9	31.3



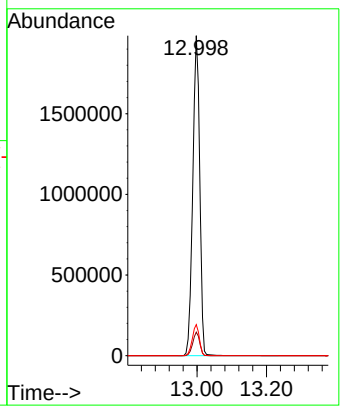


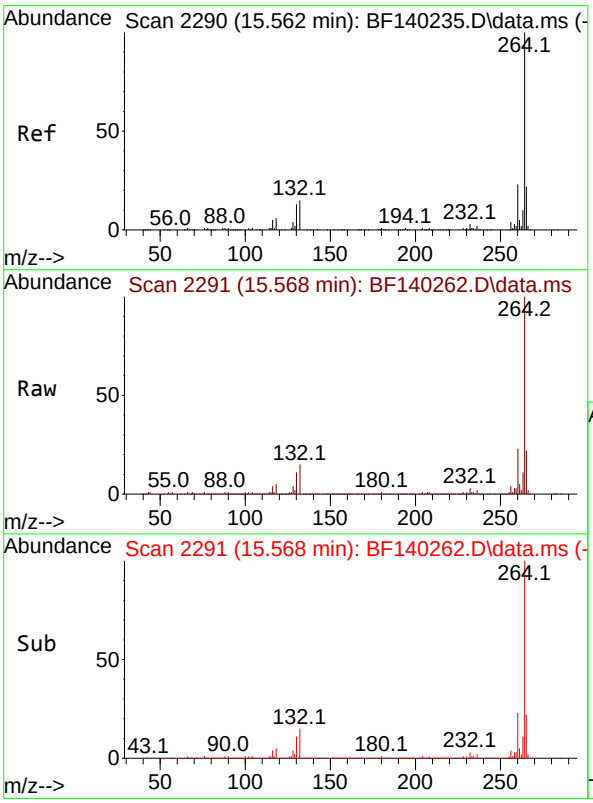
#79
Terphenyl-d14
Concen: 100.656 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140262.D
Acq: 07 Nov 2024 09:28

Instrument :
BNA_F
ClientSampleId :
PB164702BL

Tgt Ion:244 Resp: 2762575

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	9.7	7.6	11.4

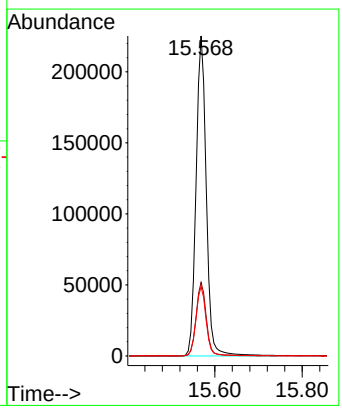




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2291
Delta R.T. 0.006 min
Lab File: BF140262.D
Acq: 07 Nov 2024 09:28

Tgt Ion:264 Resp: 367483

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.8	28.2
265	21.7	17.3	25.9



Sample Results: **BF140262.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140262.D
Acq On : 07 Nov 2024 09:28
Operator : RC/JU
Sample : PB164702BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164702BL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140262.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.287	26	33	39	rVB	77146	132721	1.84%	0.328%
2	5.128	509	516	534	rBV	313380	540358	7.49%	1.334%
3	5.510	574	581	586	rBV	3617797	5118542	70.97%	12.639%
4	6.504	742	750	755	rBV	3309957	5159157	71.53%	12.739%
5	6.875	808	813	818	rBV	841885	1023737	14.19%	2.528%
6	7.434	901	908	914	rBV	2361152	3499568	48.52%	8.641%
7	8.157	1024	1031	1036	rBV	981813	1348510	18.70%	3.330%
8	9.234	1206	1214	1219	rBV	4467775	6569631	91.09%	16.222%
9	9.916	1322	1330	1335	rBV	1155959	1605884	22.27%	3.965%
10	10.704	1456	1464	1499	rBV	3018675	4352303	60.35%	10.747%
11	11.404	1576	1583	1604	rBV	1369851	1727144	23.95%	4.265%
12	12.998	1847	1854	1859	rBV	5208345	7212283	100.00%	17.809%
13	14.057	2028	2034	2046	rBV	930597	1232162	17.08%	3.043%
14	15.568	2285	2291	2309	rVB	584109	975348	13.52%	2.408%

Sum of corrected areas: 40497348

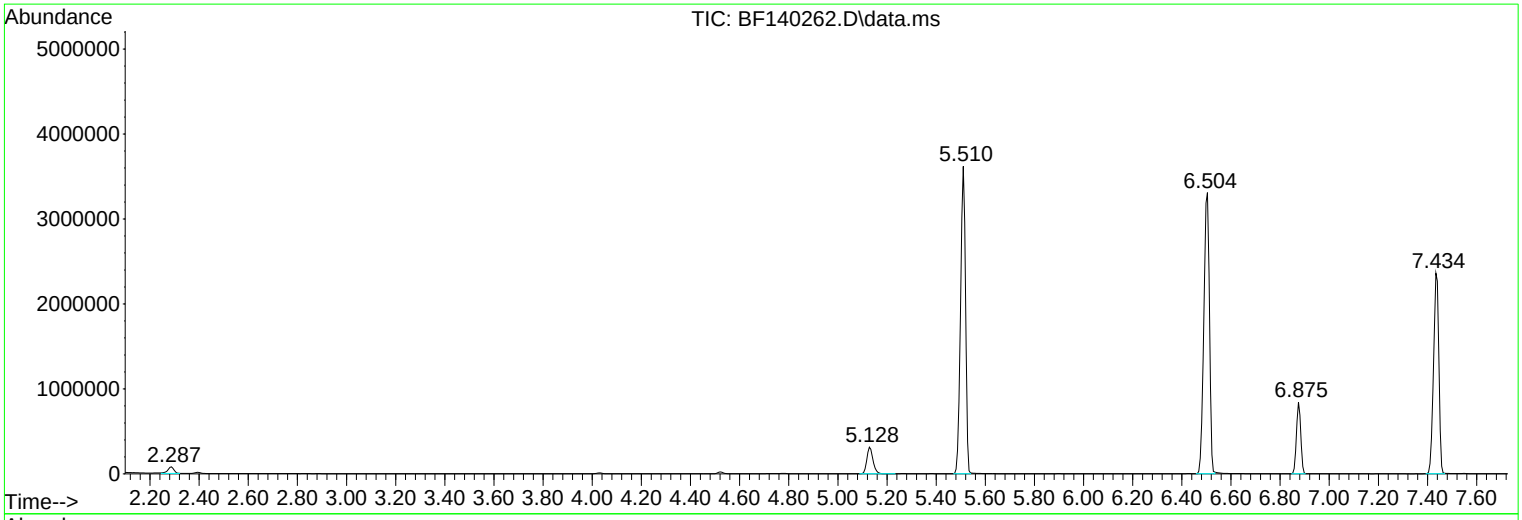
Sample Results: **BF140262.D**

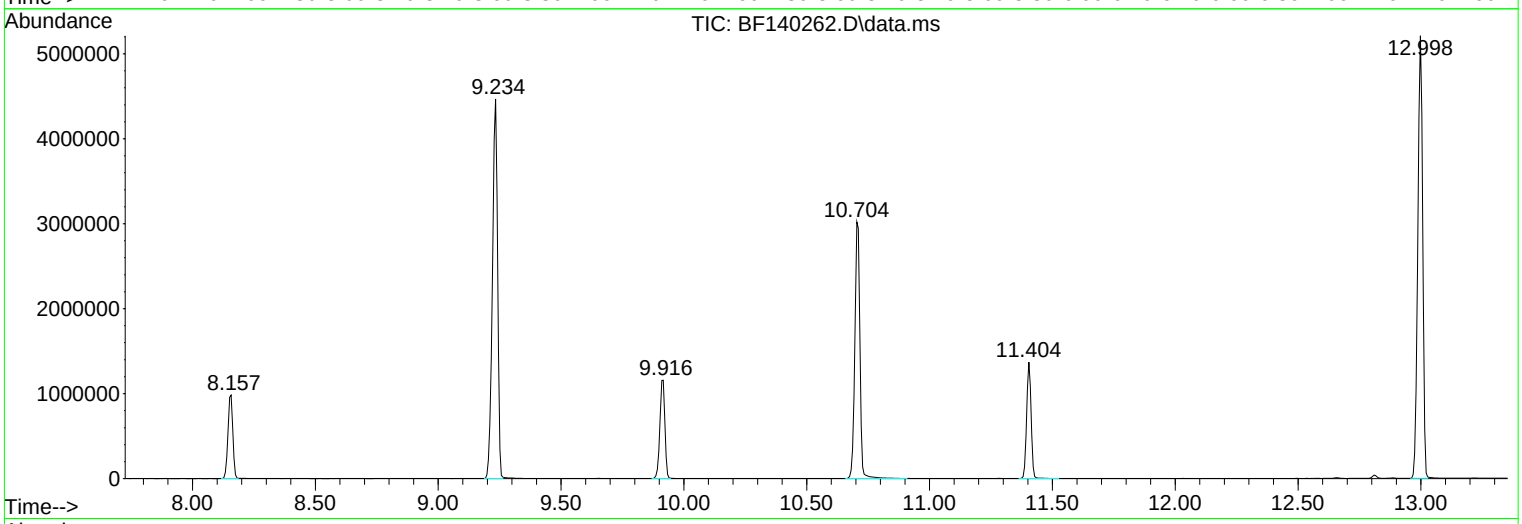
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140262.D
Acq On : 07 Nov 2024 09:28
Operator : RC/JU
Sample : PB164702BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

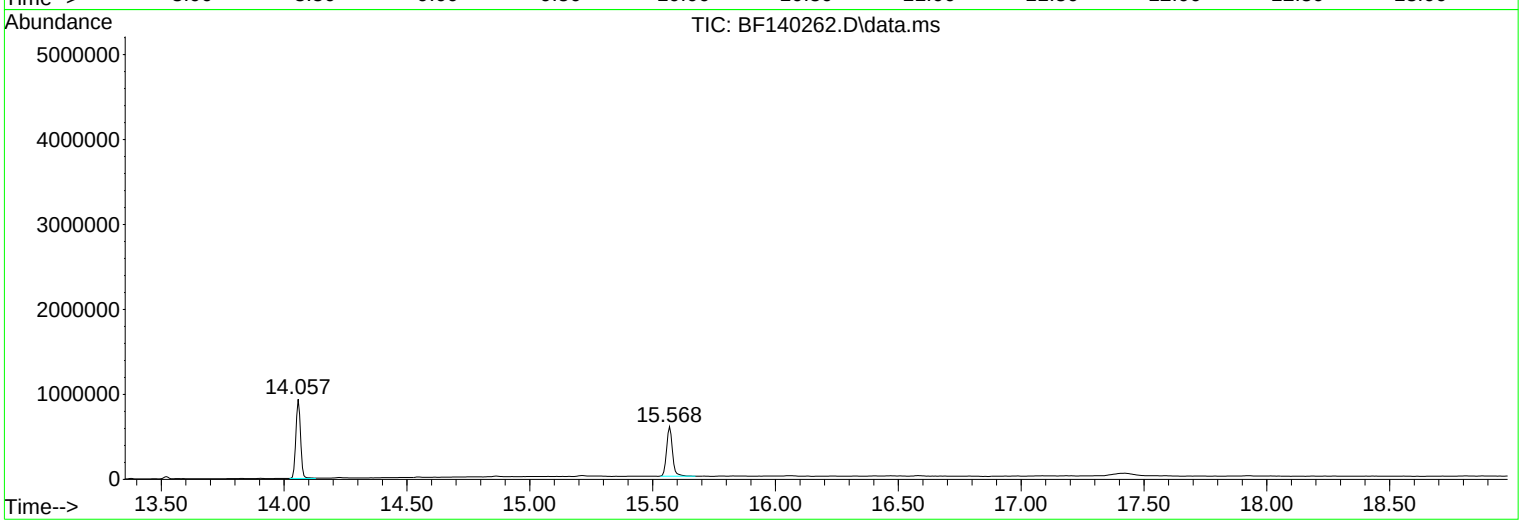
Instrument :
BNA_F
ClientSampleId :
PB164702BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140262.D
Acq On : 07 Nov 2024 09:28
Operator : RC/JU
Sample : PB164702BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164702BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

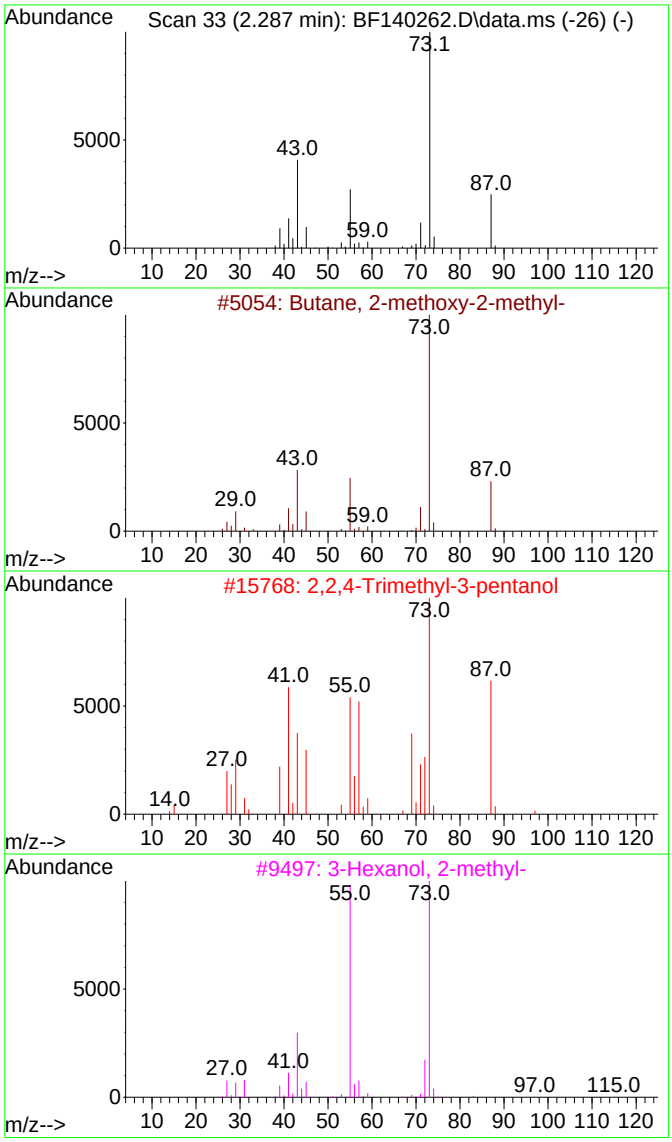
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

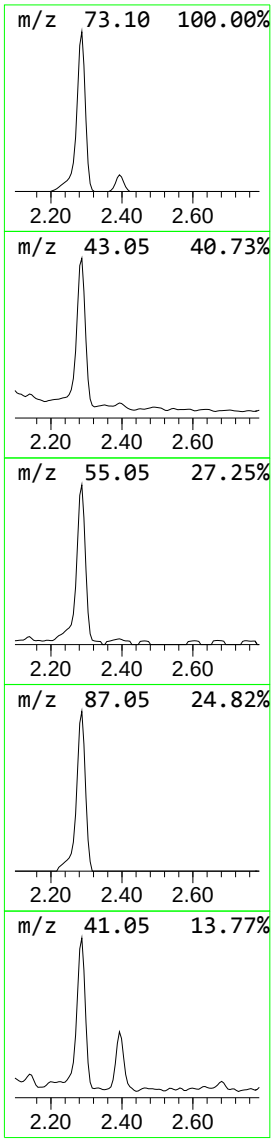
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.287	2.59 ng	132721	1,4-Dichlorobenzene-d4	6.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	25
4	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140262.D
Acq On : 07 Nov 2024 09:28
Operator : RC/JU
Sample : PB164702BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164702BL

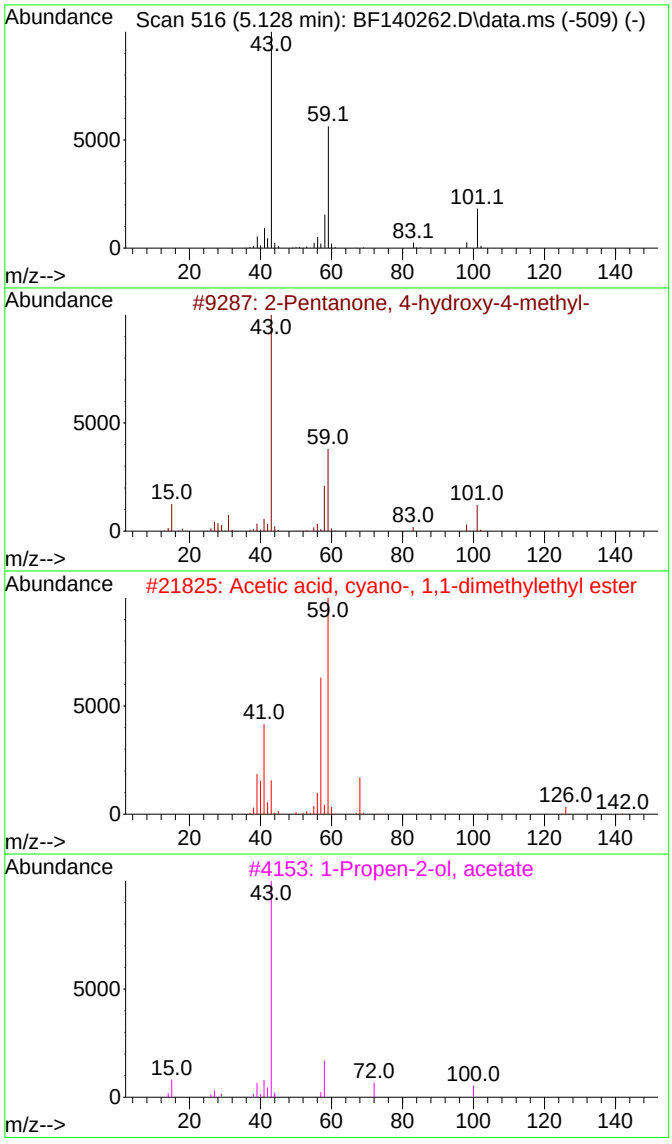
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

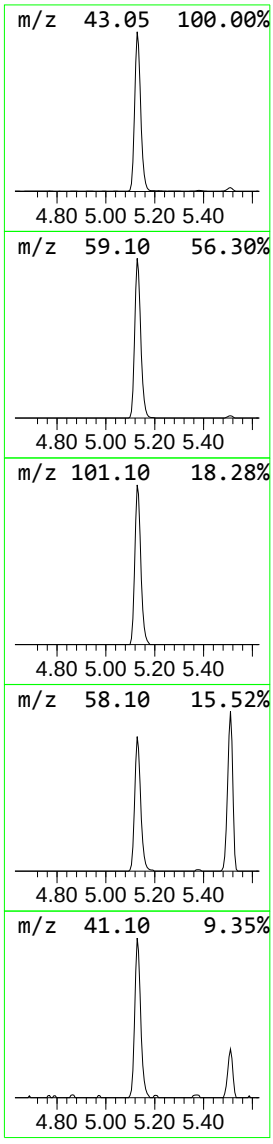
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.128	10.56 ng	540358	1,4-Dichlorobenzene-d4	6.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	10
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140262.D
Acq On : 07 Nov 2024 09:28
Operator : RC/JU
Sample : PB164702BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164702BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.287	2.6	ng	132721	1	6.875	1023740	20.0
2-Pentanone, 4-...	5.128	10.6	ng	540358	1	6.875	1023740	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140367.D
Acq On : 14 Nov 2024 17:28
Operator : RC/JU
Sample : PB164846BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164846BL

Quant Time: Nov 15 00:27:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

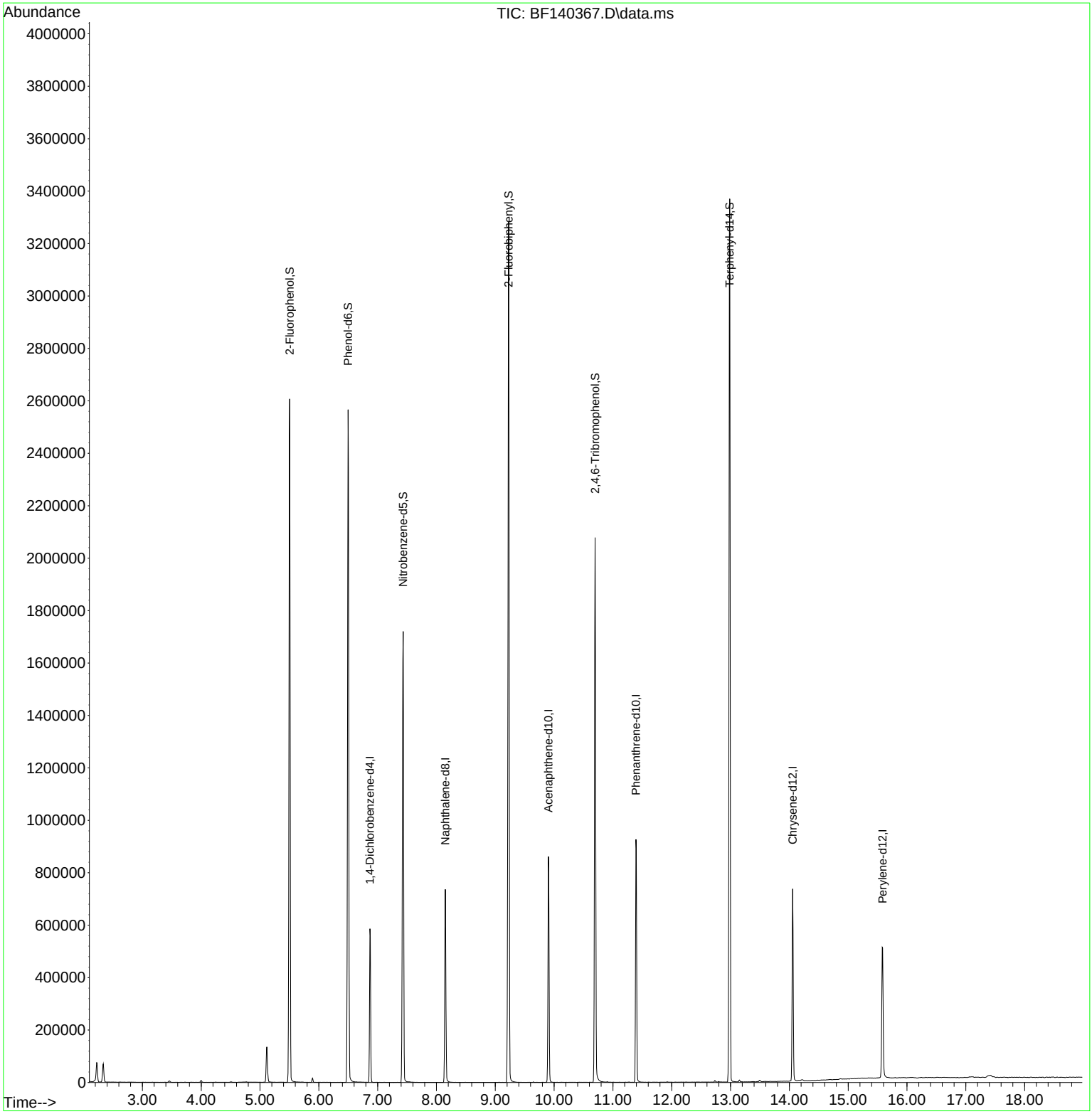
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	127444	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	481597	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	267971	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	519861	20.000	ng	-0.01
76) Chrysene-d12	14.057	240	353605	20.000	ng	0.00
86) Perylene-d12	15.586	264	317877	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1010890	135.430	ng	0.01
7) Phenol-d6	6.498	99	1317260	130.255	ng	0.00
23) Nitrobenzene-d5	7.434	82	853691	92.359	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	359138	134.773	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1560454	93.611	ng	0.00
79) Terphenyl-d14	12.986	244	1733695	85.104	ng	0.00
Target Compounds						Qvalue

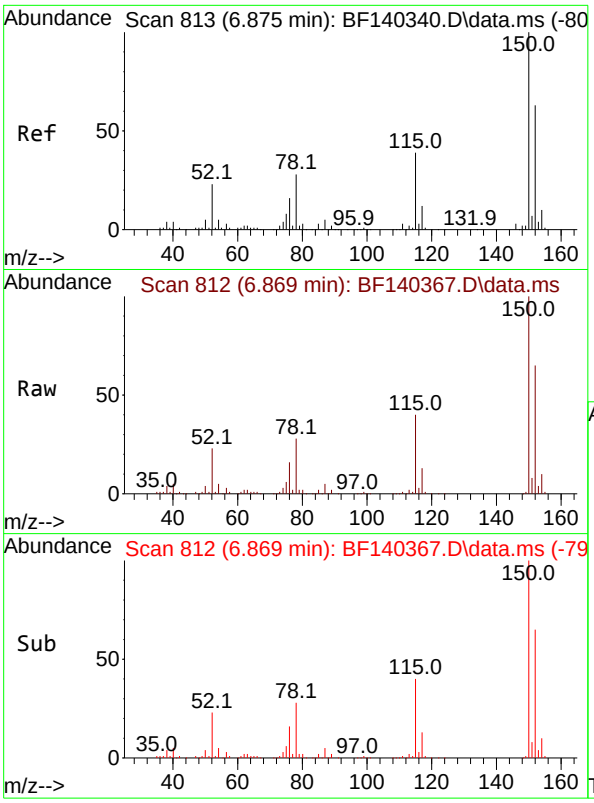
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140367.D
Acq On : 14 Nov 2024 17:28
Operator : RC/JU
Sample : PB164846BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164846BL

Quant Time: Nov 15 00:27:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration



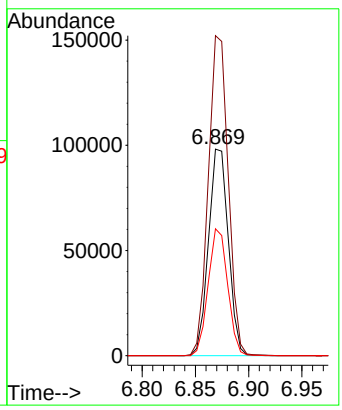


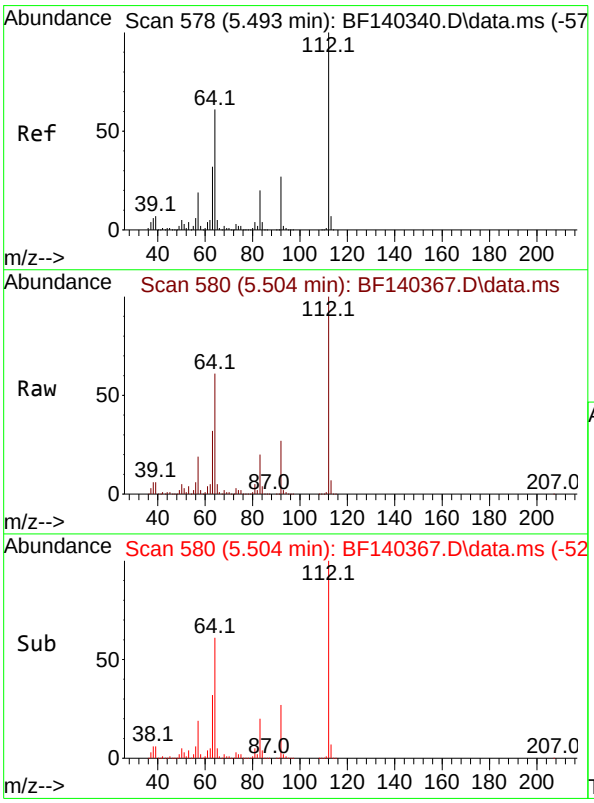
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF140367.D
Acq: 14 Nov 2024 17:28

Instrument :
BNA_F
ClientSampleId :
PB164846BL

Tgt Ion:152 Resp: 127444

Ion	Ratio	Lower	Upper
152	100		
150	154.9	127.4	191.0
115	61.4	47.4	71.2

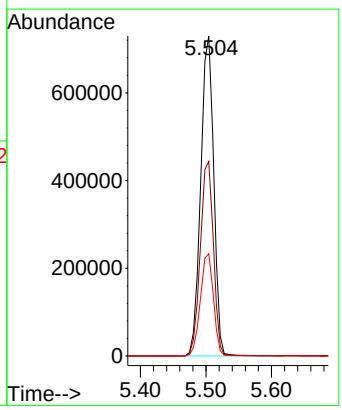


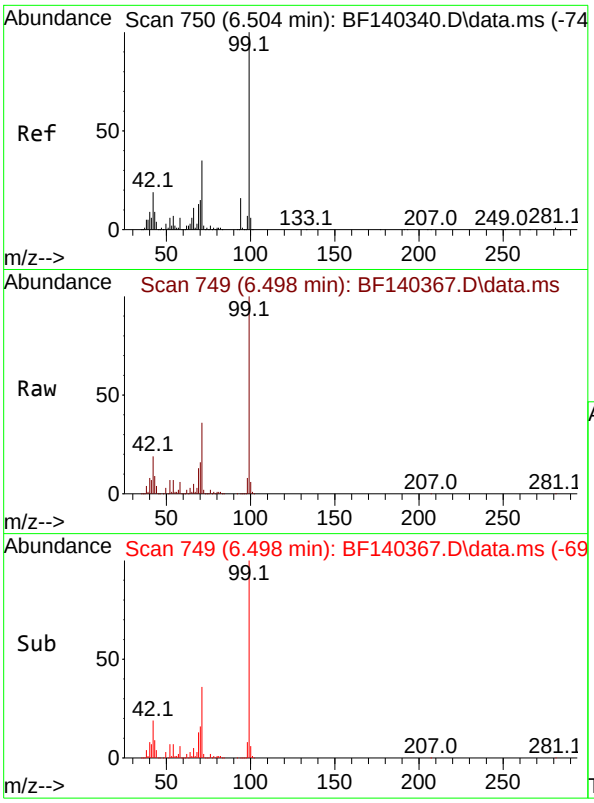


#5
2-Fluorophenol
Concen: 135.430 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140367.D
Acq: 14 Nov 2024 17:28

Tgt Ion:112 Resp: 1010890

Ion	Ratio	Lower	Upper
112	100		
64	60.8	49.2	73.8
63	31.9	25.6	38.4



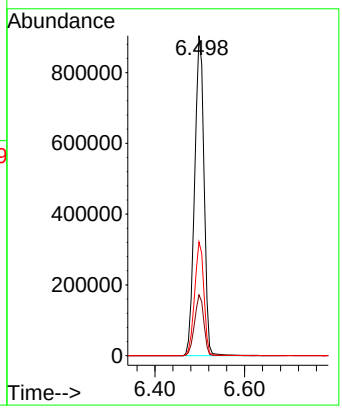


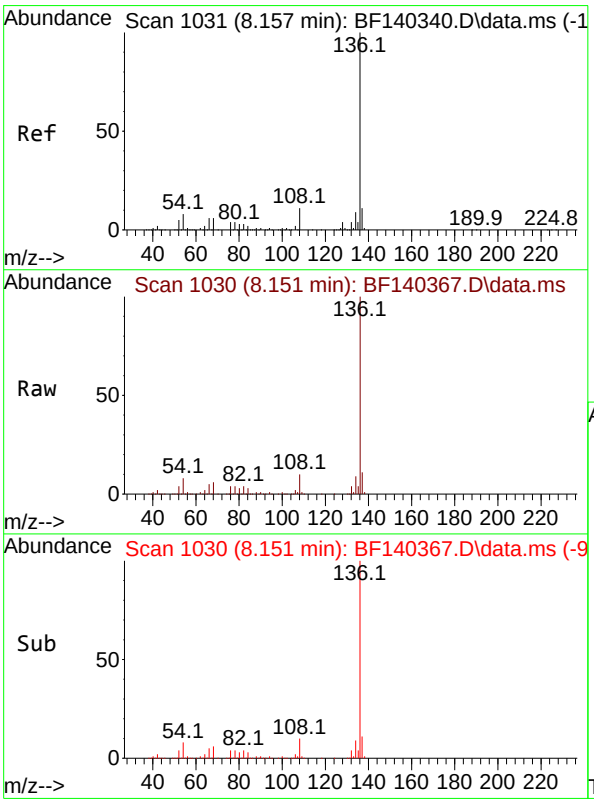
#7
Phenol-d6
Concen: 130.255 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF140367.D
Acq: 14 Nov 2024 17:28

Instrument :
BNA_F
ClientSampleId :
PB164846BL

Tgt Ion: 99 Resp: 1317260

Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.1	22.7
71	35.5	27.9	41.9

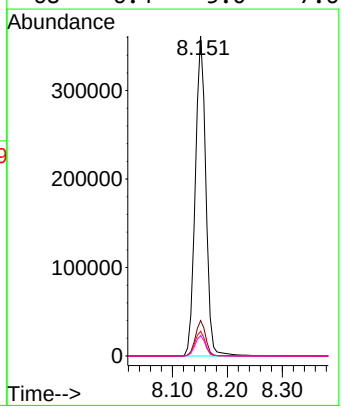


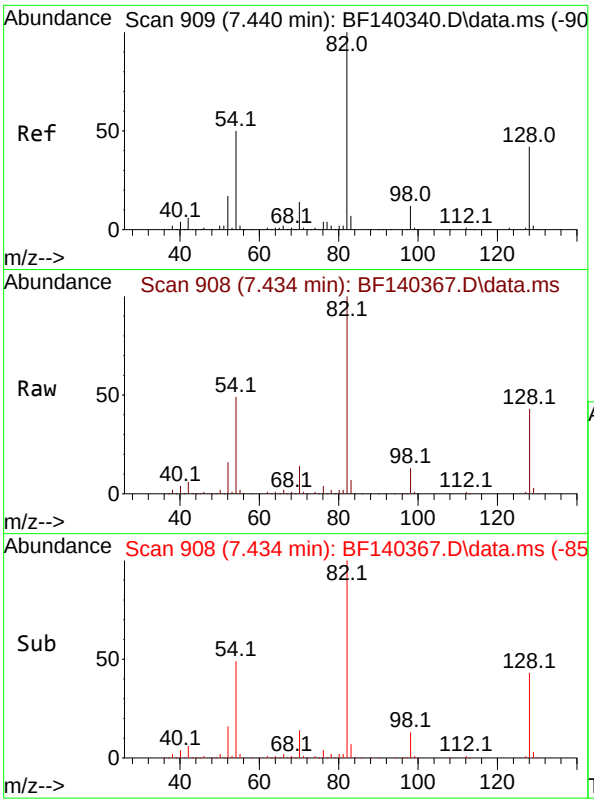


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140367.D
Acq: 14 Nov 2024 17:28

Tgt Ion:136 Resp: 481597

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	7.7	6.5	9.7
68	6.4	5.0	7.6



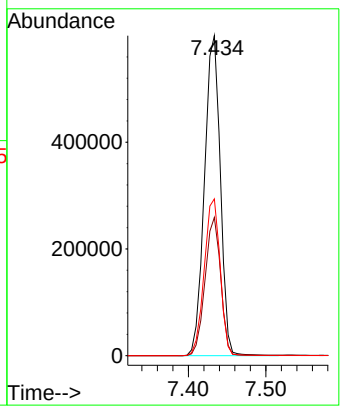


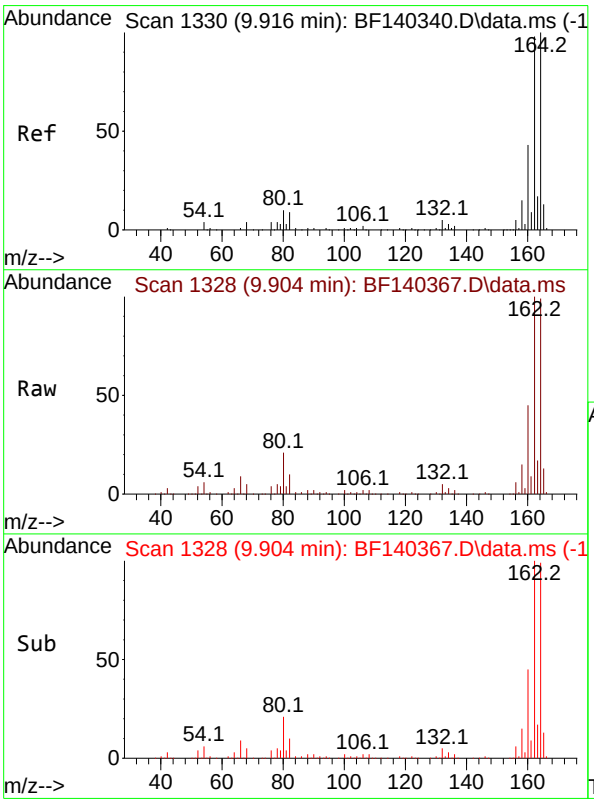
#23
Nitrobenzene-d5
Concen: 92.359 ng
RT: 7.434 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140367.D
Acq: 14 Nov 2024 17:28

Instrument :
BNA_F
ClientSampleId :
PB164846BL

Tgt Ion: 82 Resp: 853691

Ion	Ratio	Lower	Upper
82	100		
128	43.2	33.3	49.9
54	49.0	39.8	59.8

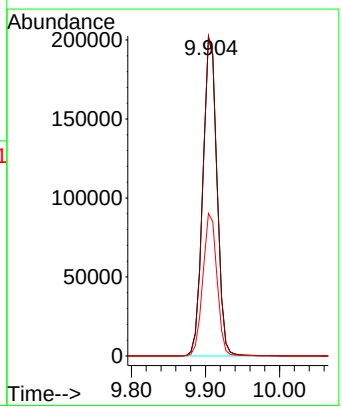


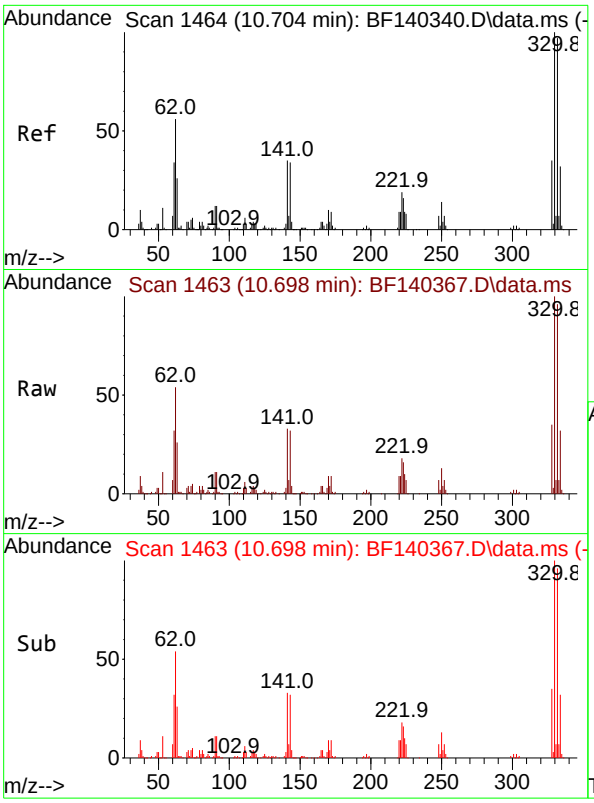


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140367.D
Acq: 14 Nov 2024 17:28

Tgt Ion:164 Resp: 267971

Ion	Ratio	Lower	Upper
164	100		
162	100.5	79.8	119.8
160	44.8	35.4	53.0



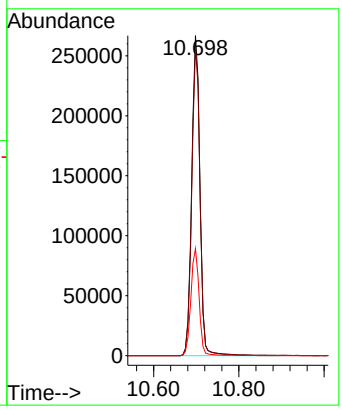


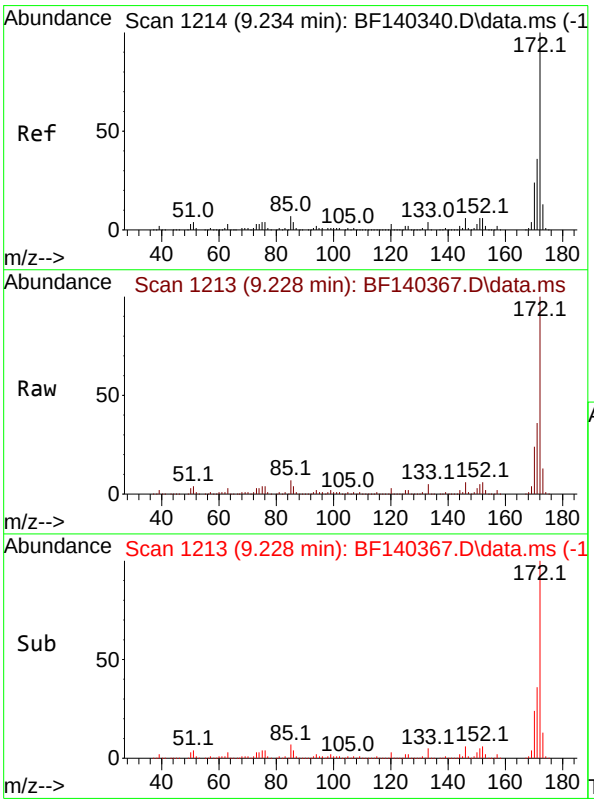
#42
2,4,6-Tribromophenol
Concen: 134.773 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140367.D
Acq: 14 Nov 2024 17:28

Instrument :
BNA_F
ClientSampleId :
PB164846BL

Tgt Ion:330 Resp: 359138

Ion	Ratio	Lower	Upper
330	100		
332	96.8	75.9	113.9
141	33.5	26.9	40.3

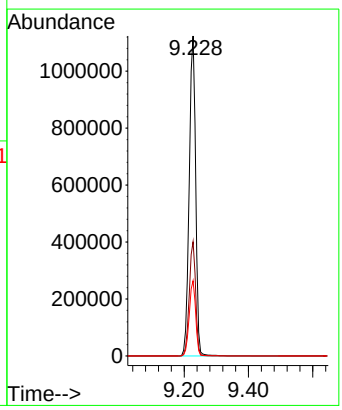


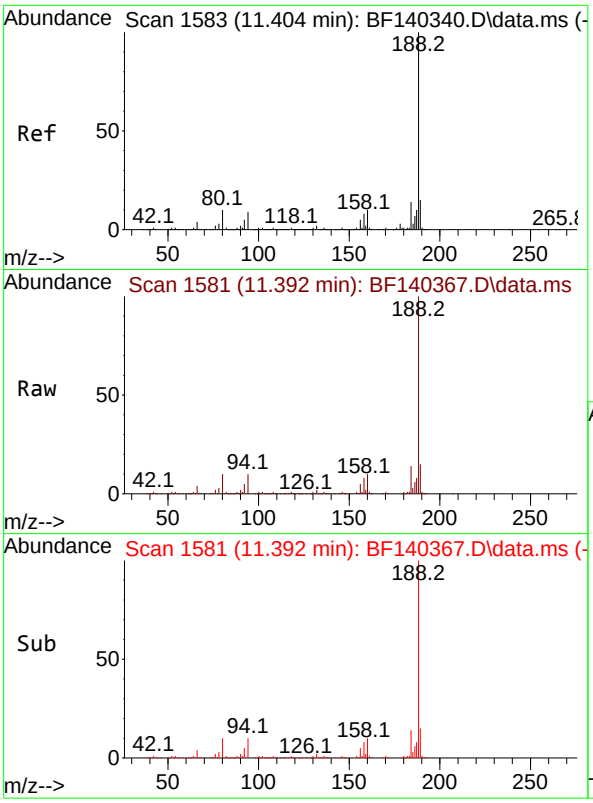


#45
2-Fluorobiphenyl
Concen: 93.611 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140367.D
Acq: 14 Nov 2024 17:28

Tgt Ion:172 Resp: 1560454

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.5	42.7
170	23.5	19.1	28.7



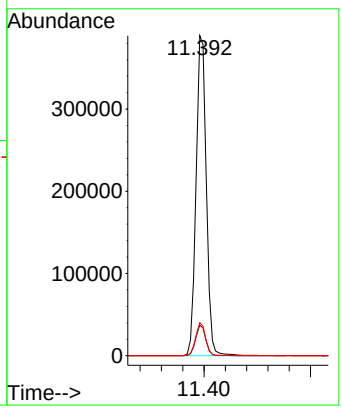


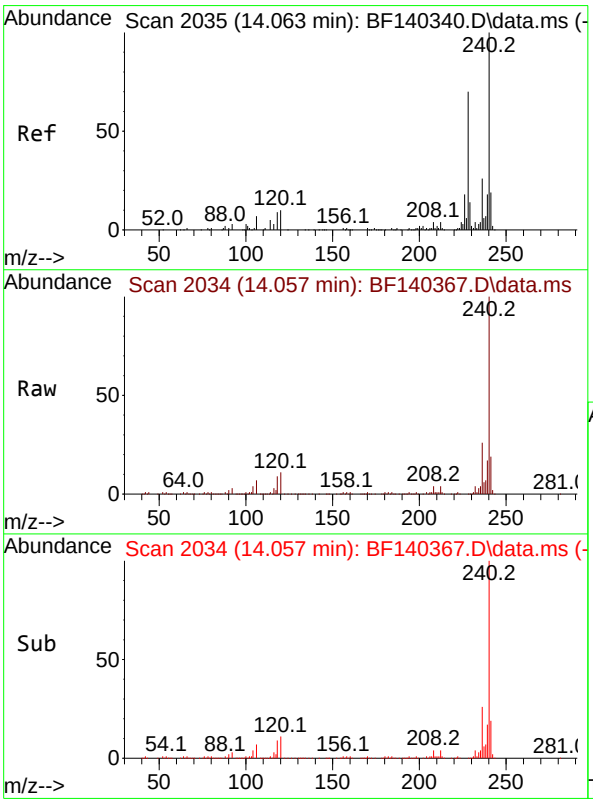
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140367.D
Acq: 14 Nov 2024 17:28

Instrument :
BNA_F
ClientSampleId :
PB164846BL

Tgt Ion:188 Resp: 519861

Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.6	11.4
80	10.4	8.0	12.0

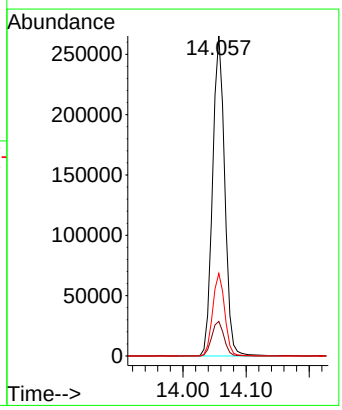


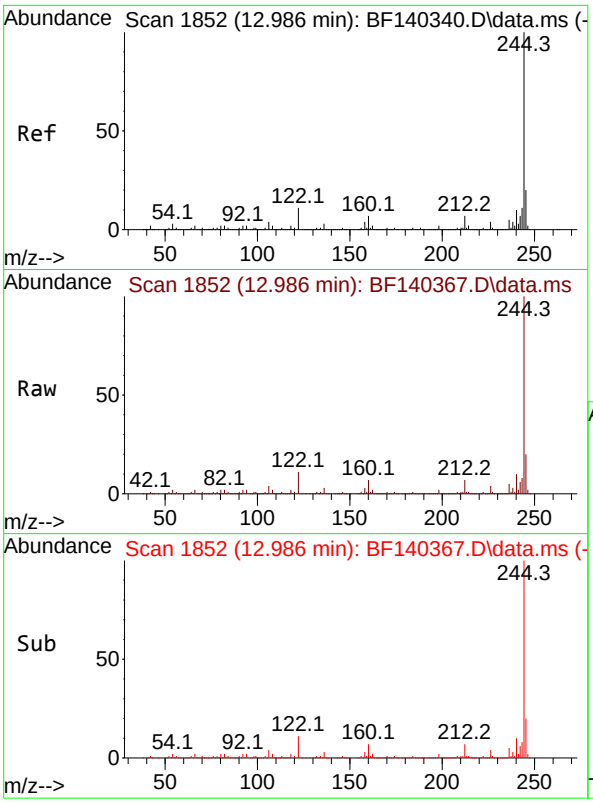


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF140367.D
Acq: 14 Nov 2024 17:28

Tgt Ion:240 Resp: 353605

Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.8	13.2
236	25.8	20.9	31.3



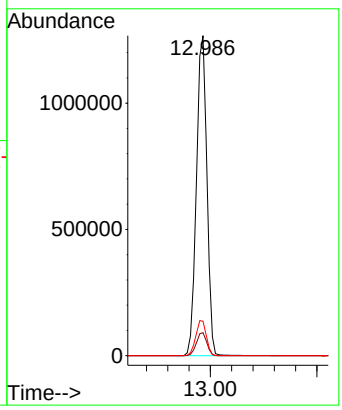


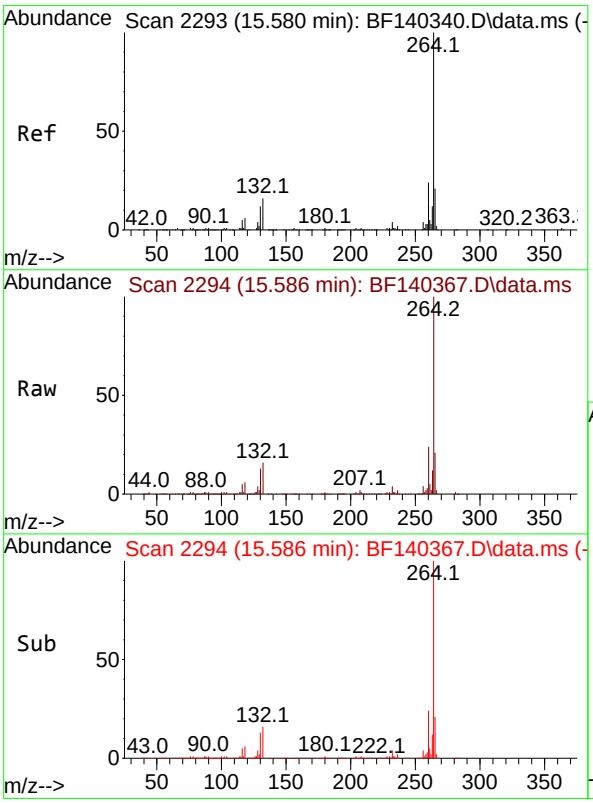
#79
Terphenyl-d14
Concen: 85.104 ng
RT: 12.986 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140367.D
Acq: 14 Nov 2024 17:28

Instrument :
BNA_F
ClientSampleId :
PB164846BL

Tgt Ion:244 Resp: 1733695

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	10.8	8.8	13.2

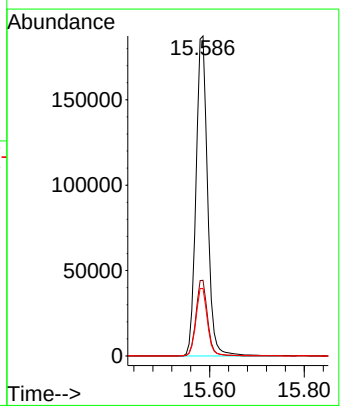




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.586 min Scan# 2294
Delta R.T. 0.029 min
Lab File: BF140367.D
Acq: 14 Nov 2024 17:28

Tgt Ion:264 Resp: 317877

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.1	17.1	25.7



Sample Results: **BF140367.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140367.D
Acq On : 14 Nov 2024 17:28
Operator : RC/JU
Sample : PB164846BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164846BL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140367.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.222	11	22	29	rVB	74186	135219	2.93%	0.482%
2	2.334	35	41	49	rBV	68828	106619	2.31%	0.380%
3	5.116	508	514	528	rBV	134773	215579	4.67%	0.769%
4	5.504	573	580	585	rBV	2606766	3611985	78.17%	12.881%
5	6.498	742	749	770	rBV	2565745	3727983	80.68%	13.295%
6	6.869	807	812	818	rBV	585530	747257	16.17%	2.665%
7	7.434	901	908	913	rBV	1720240	2432787	52.65%	8.676%
8	8.151	1024	1030	1049	rBV	736258	971791	21.03%	3.466%
9	9.228	1206	1213	1218	rBV	3281770	4514600	97.70%	16.100%
10	9.904	1322	1328	1343	rBV	861013	1133422	24.53%	4.042%
11	10.698	1457	1463	1492	rBV	2077370	2797099	60.53%	9.975%
12	11.392	1576	1581	1598	rVB	926202	1223412	26.48%	4.363%
13	12.986	1845	1852	1857	rBV	3369008	4620853	100.00%	16.479%
14	14.057	2028	2034	2046	rBV	732085	969525	20.98%	3.458%
15	15.580	2287	2293	2307	rVB	496037	832879	18.02%	2.970%

Sum of corrected areas: 28041010

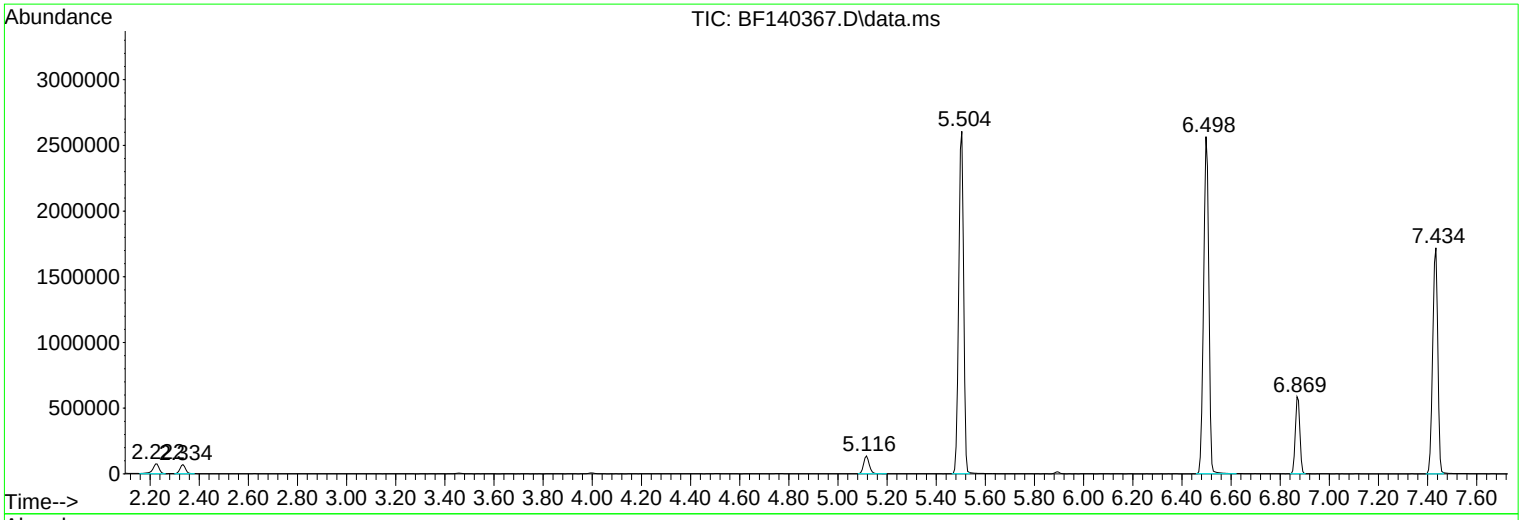
Sample Results: **BF140367.D**

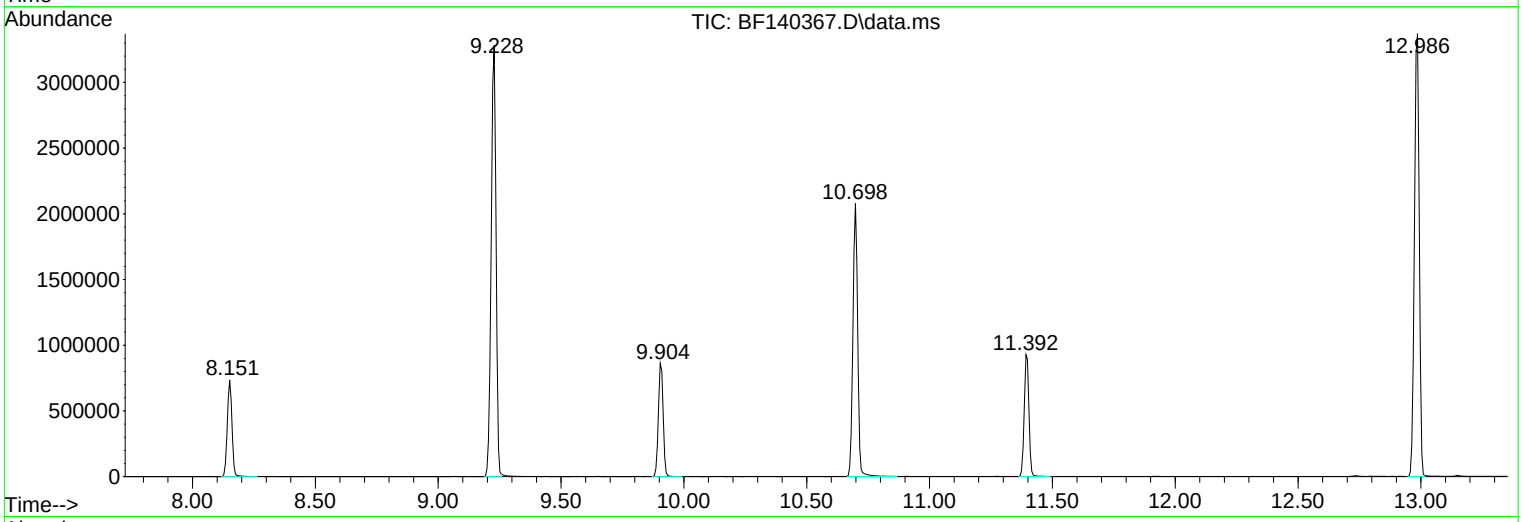
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140367.D
Acq On : 14 Nov 2024 17:28
Operator : RC/JU
Sample : PB164846BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

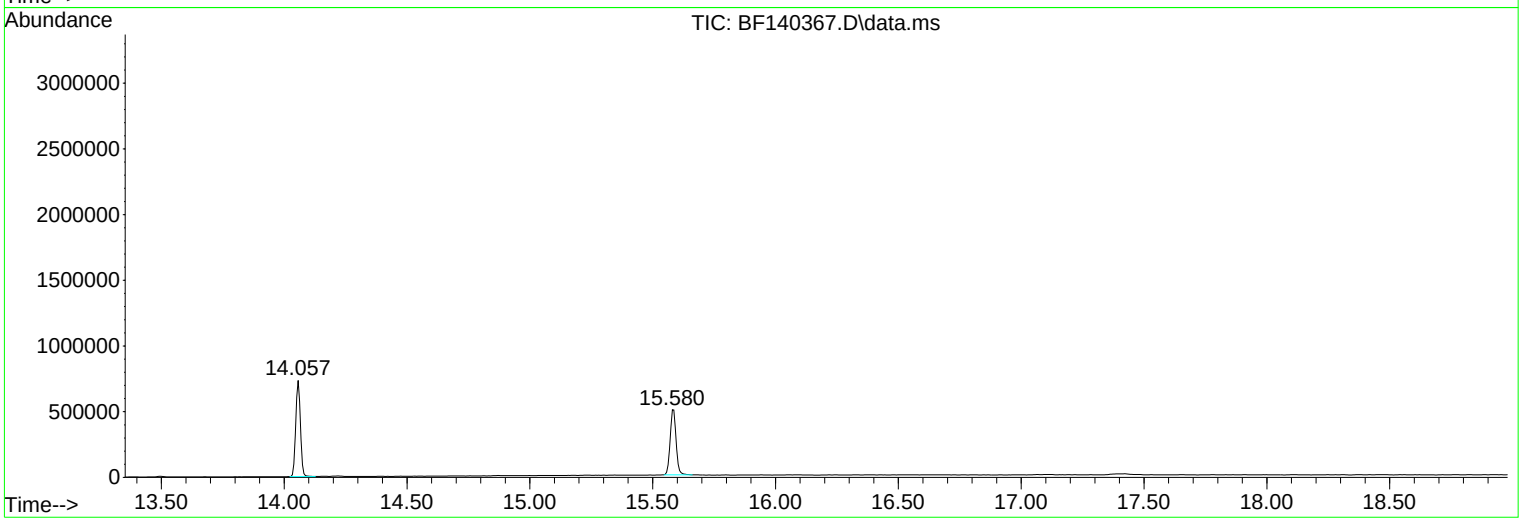
Instrument :
BNA_F
ClientSampleId :
PB164846BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140367.D
Acq On : 14 Nov 2024 17:28
Operator : RC/JU
Sample : PB164846BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164846BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

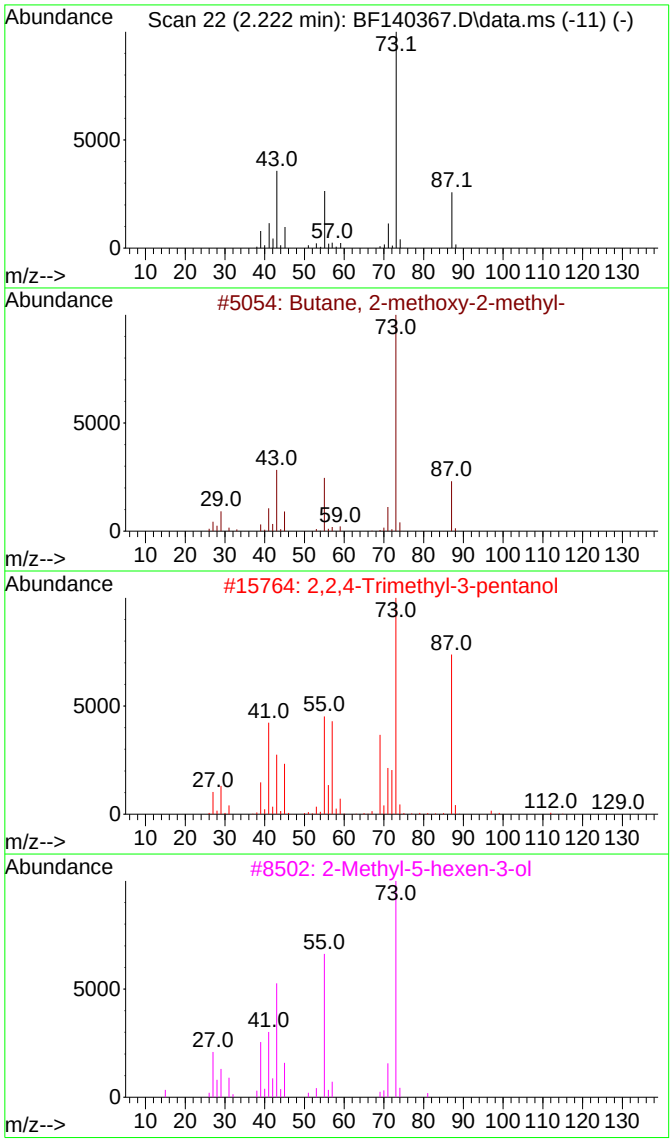
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

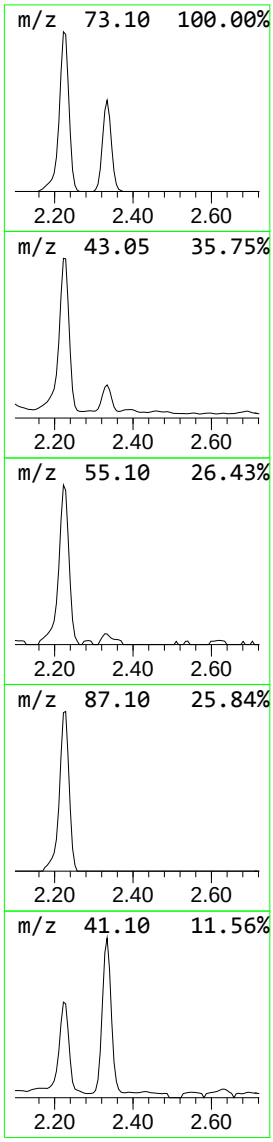
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.222	3.62 ng	135219	1,4-Dichlorobenzene-d4	6.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	40
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140367.D
Acq On : 14 Nov 2024 17:28
Operator : RC/JU
Sample : PB164846BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164846BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

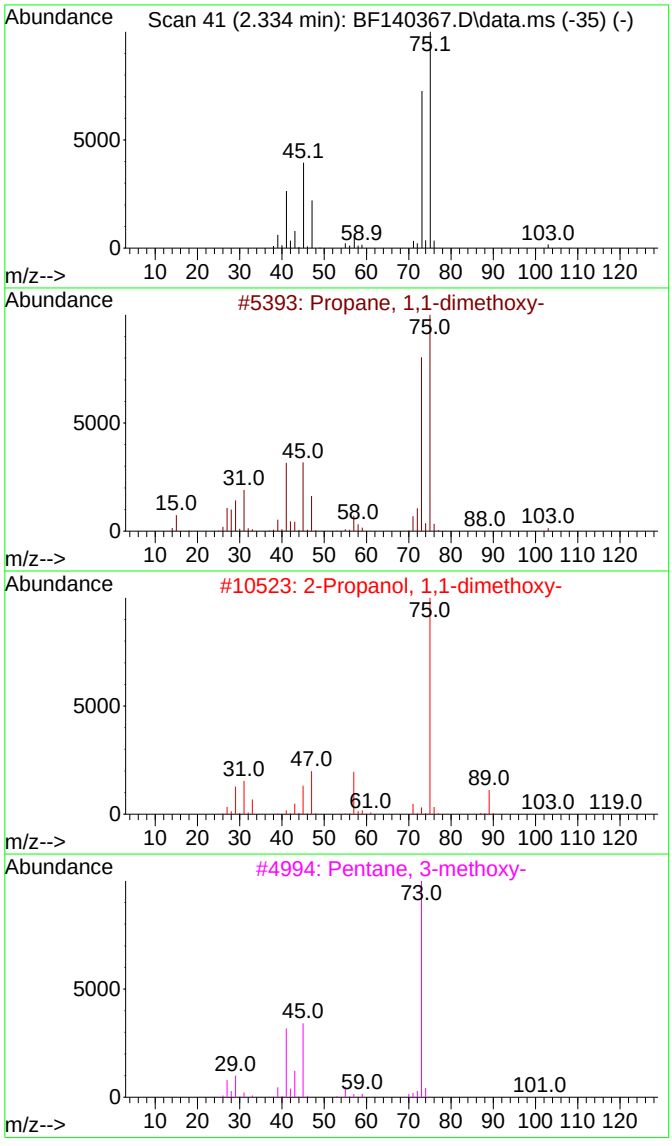
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

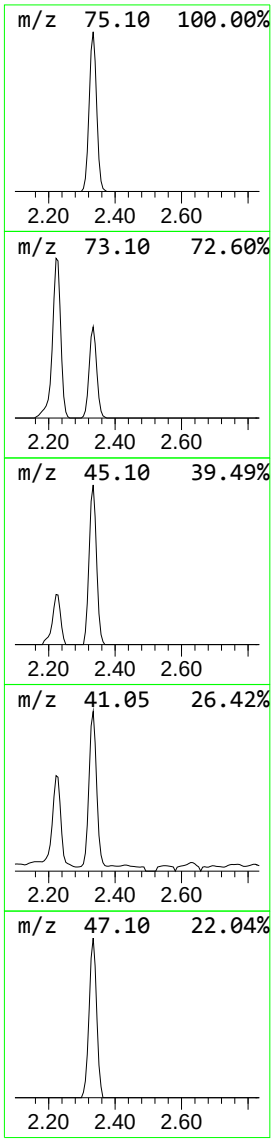
****

Peak Number 2 Propane, 1,1-dimethoxy- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.334	2.85 ng	106619	1,4-Dichlorobenzene-d4	6.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	78
2	2-Propanol, 1,1-dimethoxy-	120	C5H12O3	042919-42-6	36
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	22
4	1,3-Dioxolane, 2-(1-bromoethyl)-	180	C5H9BrO2	005267-73-2	12
5	Thiocyanic acid, methyl ester	73	C2H3NS	000556-64-9	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140367.D
Acq On : 14 Nov 2024 17:28
Operator : RC/JU
Sample : PB164846BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164846BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

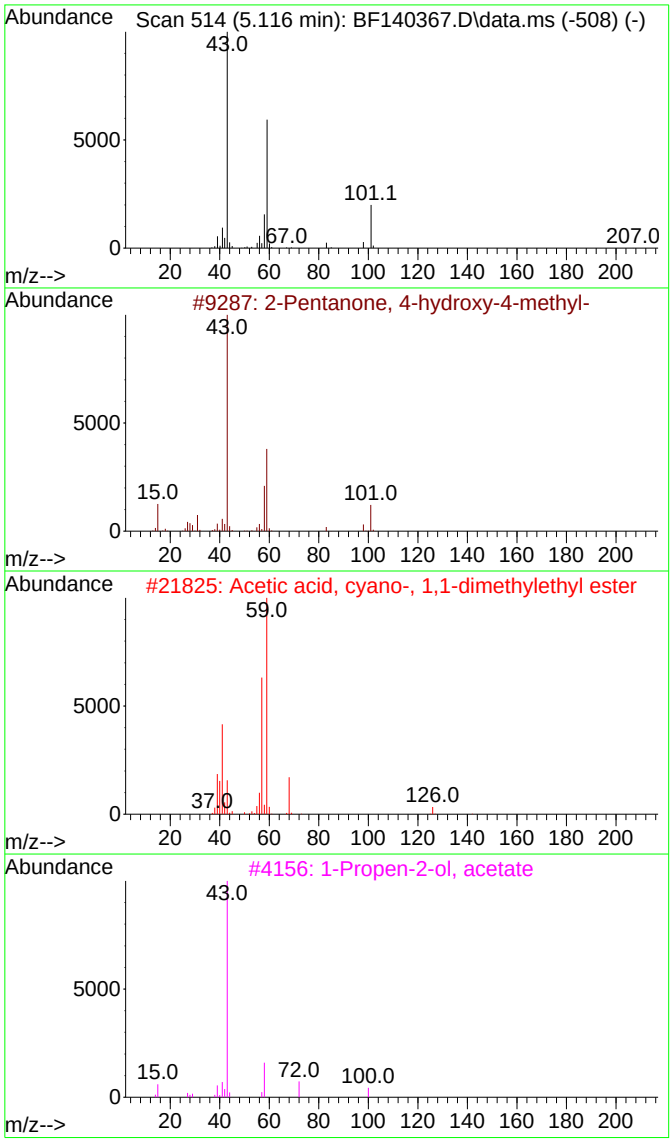
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

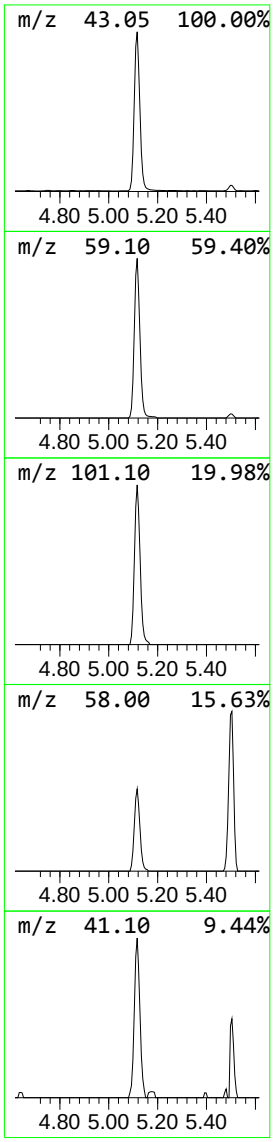
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.116	5.77 ng	215579	1,4-Dichlorobenzene-d4	6.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140367.D
Acq On : 14 Nov 2024 17:28
Operator : RC/JU
Sample : PB164846BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164846BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.222	3.6	ng	135219	1	6.869	747257	20.0
Propane, 1,1-di...	2.334	2.9	ng	106619	1	6.869	747257	20.0
2-Pentanone, 4-...	5.116	5.8	ng	215579	1	6.869	747257	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140263.D
Acq On : 07 Nov 2024 09:54
Operator : RC/JU
Sample : PB164702BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 07 10:52:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB164702BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	189444	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	717811	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	420554	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	766202	20.000	ng	0.00
76) Chrysene-d12	14.063	240	449132	20.000	ng	0.00
86) Perylene-d12	15.563	264	405153	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1426156	124.757	ng	0.02
7) Phenol-d6	6.510	99	1800482	122.451	ng	0.00
23) Nitrobenzene-d5	7.440	82	1248338	86.465	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	619126	148.937	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2276371	86.432	ng	0.00
79) Terphenyl-d14	12.998	244	2666837	97.268	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.793	88	191062	36.354	ng	96
3) Pyridine	3.534	79	507430	39.569	ng	97
4) n-Nitrosodimethylamine	3.499	42	315837	42.659	ng	94
6) Aniline	6.540	93	549976	41.400	ng	92
8) 2-Chlorophenol	6.663	128	579870	48.480	ng	96
9) Benzaldehyde	6.428	77	90855	10.031	ng	98
10) Phenol	6.522	94	720155	46.116	ng	99
11) bis(2-Chloroethyl)ether	6.616	93	560314	47.232	ng	98
12) 1,3-Dichlorobenzene	6.822	146	614397	43.834	ng	99
13) 1,4-Dichlorobenzene	6.898	146	622631	44.044	ng	99
14) 1,2-Dichlorobenzene	7.045	146	601259	45.539	ng	98
15) Benzyl Alcohol	7.022	79	543802	47.976	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.151	45	887765	46.232	ng	98
17) 2-Methylphenol	7.128	107	480306	48.138	ng	99
18) Hexachloroethane	7.387	117	236125	44.841	ng	97
19) n-Nitroso-di-n-propyla...	7.293	70	430219	45.864	ng	97
20) 3+4-Methylphenols	7.281	107	572150	45.658	ng	97
22) Acetophenone	7.287	105	795861	44.719	ng	98
24) Nitrobenzene	7.463	77	643626	42.486	ng	96
25) Isophorone	7.698	82	1172258	47.155	ng	99
26) 2-Nitrophenol	7.775	139	299675	49.729	ng	97
27) 2,4-Dimethylphenol	7.810	122	469544	57.274	ng	97
28) bis(2-Chloroethoxy)met...	7.904	93	692092	46.522	ng	100
29) 2,4-Dichlorophenol	8.016	162	485573	47.877	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	537498	44.226	ng	99
31) Naphthalene	8.181	128	1666815	44.968	ng	100
32) Benzoic acid	7.934	122	311120	46.242	ng	95
33) 4-Chloroaniline	8.228	127	268542	22.007	ng	97
34) Hexachlorobutadiene	8.298	225	366012	44.493	ng	99
35) Caprolactam	8.610	113	132812m	43.047	ng	
36) 4-Chloro-3-methylphenol	8.710	107	543474	48.128	ng	98
37) 2-Methylnaphthalene	8.869	142	1128015	46.629	ng	99
38) 1-Methylnaphthalene	8.969	142	1036798	43.726	ng	98
40) 1,2,4,5-Tetrachloroben...	9.039	216	563138	45.740	ng	99
41) Hexachlorocyclopentadiene	9.022	237	678408	196.644	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	384966	50.458	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140263.D
Acq On : 07 Nov 2024 09:54
Operator : RC/JU
Sample : PB164702BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 07 10:52:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB164702BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	370500	46.186	ng	98
46) 1,1'-Biphenyl	9.339	154	1389319	45.704	ng	99
47) 2-Chloronaphthalene	9.363	162	1025026	44.802	ng	100
48) 2-Nitroaniline	9.457	65	358420	46.843	ng	98
49) Acenaphthylene	9.781	152	1595286	49.250	ng	99
50) Dimethylphthalate	9.645	163	1253758	48.407	ng	99
51) 2,6-Dinitrotoluene	9.704	165	284382	46.711	ng	98
52) Acenaphthene	9.951	154	1192905	51.921	ng	98
53) 3-Nitroaniline	9.875	138	165199	28.817	ng	96
54) 2,4-Dinitrophenol	9.981	184	279366	92.468	ng	91
55) Dibenzofuran	10.128	168	1496819	46.590	ng	100
56) 4-Nitrophenol	10.039	139	424764	105.381	ng	97
57) 2,4-Dinitrotoluene	10.110	165	385755	48.828	ng	98
58) Fluorene	10.469	166	1163758	45.506	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	339556	51.670	ng	97
60) Diethylphthalate	10.345	149	1235348	47.997	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	589156	45.711	ng	97
62) 4-Nitroaniline	10.498	138	266296	46.745	ng	95
63) Azobenzene	10.622	77	1218001	45.651	ng	98
65) 4,6-Dinitro-2-methylph...	10.522	198	204242	50.754	ng	95
66) n-Nitrosodiphenylamine	10.581	169	1037989	47.101	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	389977	47.266	ng	98
68) Hexachlorobenzene	11.022	284	438918	46.670	ng	95
69) Atrazine	11.110	200	381716	63.311	ng	98
70) Pentachlorophenol	11.216	266	503578	99.717	ng	99
71) Phenanthrene	11.433	178	1726671	47.221	ng	100
72) Anthracene	11.486	178	1737994	48.472	ng	100
73) Carbazole	11.639	167	1521462	46.440	ng	100
74) Di-n-butylphthalate	11.969	149	1867096	48.145	ng	99
75) Fluoranthene	12.622	202	1788878	46.787	ng	99
77) Benzidine	12.745	184	403658	45.968	ng	99
78) Pyrene	12.857	202	1800007	48.539	ng	100
80) Butylbenzylphthalate	13.469	149	711541	53.286	ng	99
81) Benzo(a)anthracene	14.051	228	1419222	49.239	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	329931	36.451	ng	98
83) Chrysene	14.086	228	1292706	47.893	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	955248	51.041	ng	99
85) Di-n-octyl phthalate	14.669	149	1485254	52.726	ng	97
87) Indeno(1,2,3-cd)pyrene	17.074	276	1200098	50.462	ng	99
88) Benzo(b)fluoranthene	15.121	252	1231890	50.267	ng	100
89) Benzo(k)fluoranthene	15.157	252	1064300	47.328	ng	99
90) Benzo(a)pyrene	15.498	252	1057870	52.355	ng	100
91) Dibenzo(a,h)anthracene	17.092	278	967859	49.465	ng	100
92) Benzo(g,h,i)perylene	17.533	276	899180	45.049	ng	99

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

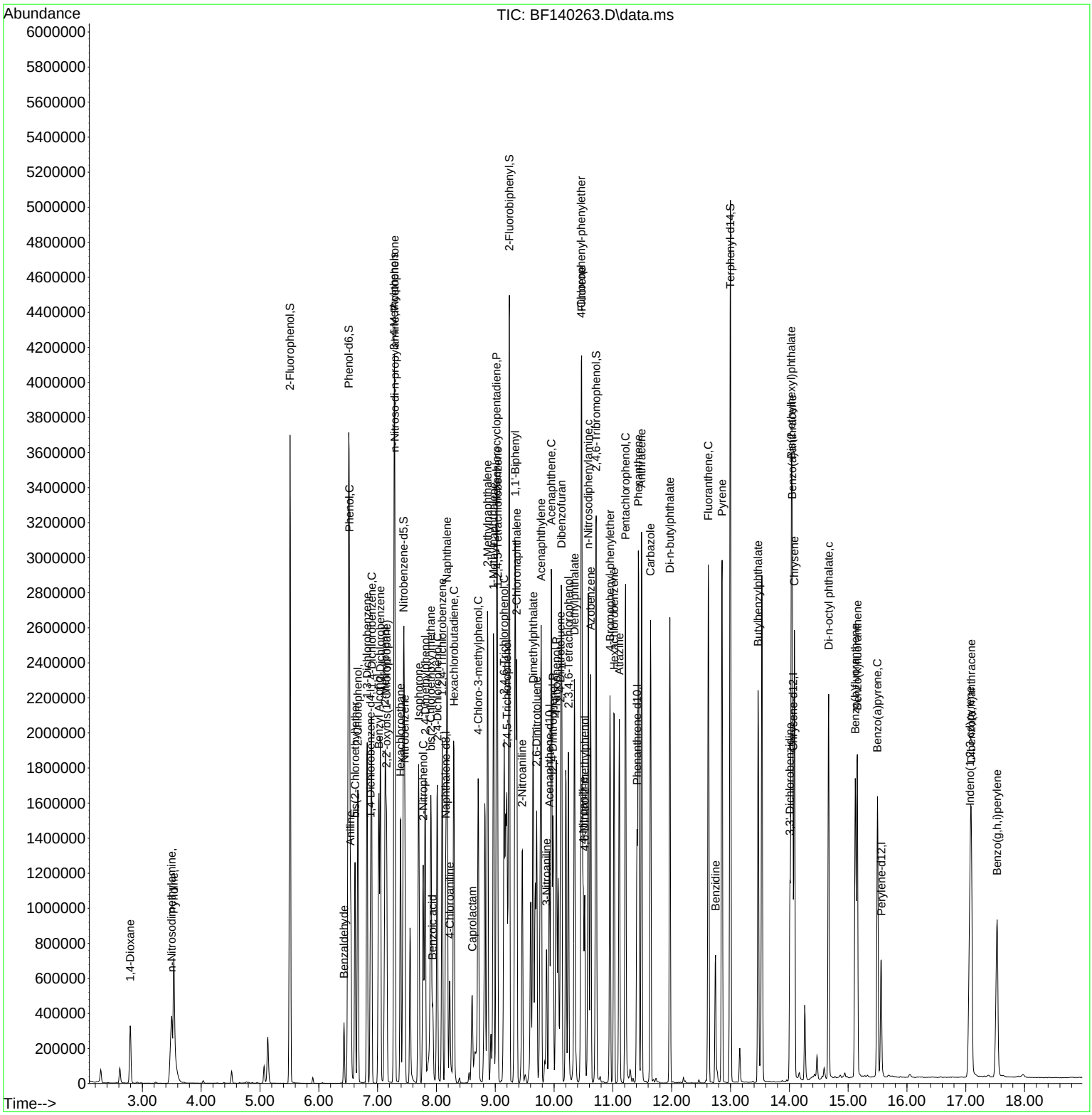
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140263.D
Acq On : 07 Nov 2024 09:54
Operator : RC/JU
Sample : PB164702BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 07 10:52:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB164702BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140446.D
Acq On : 18 Nov 2024 11:32
Operator : RC/JU
Sample : PB164846BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 18 12:03:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB164846BS

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	165160	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	638782	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	347317	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	636734	20.000	ng		0.00
76) Chrysene-d12	14.057	240	331814	20.000	ng		0.00
86) Perylene-d12	15.557	264	309689	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	1149536	118.836	ng		0.02
7) Phenol-d6	6.522	99	1515382	115.627	ng		0.02
23) Nitrobenzene-d5	7.439	82	1002890	81.801	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	445703	129.047	ng		0.00
45) 2-Fluorobiphenyl	9.233	172	1797907	83.216	ng		0.00
79) Terphenyl-d14	12.986	244	1951122	102.067	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.728	88	148406	34.422	ng		99
3) Pyridine	3.487	79	373471	35.236	ng		100
4) n-Nitrosodimethylamine	3.446	42	216844	40.480	ng		100
6) Aniline	6.540	93	449644	39.440	ng	#	40
8) 2-Chlorophenol	6.663	128	450805	43.385	ng		98
9) Benzaldehyde	6.428	77	18407	2.343	ng		99
10) Phenol	6.534	94	552204	39.954	ng	#	72
11) bis(2-Chloroethyl)ether	6.610	93	445879	42.577	ng		99
12) 1,3-Dichlorobenzene	6.816	146	463969	40.469	ng		99
13) 1,4-Dichlorobenzene	6.892	146	472286	40.627	ng		99
14) 1,2-Dichlorobenzene	7.045	146	448434	41.552	ng		99
15) Benzyl Alcohol	7.022	79	416244	44.083	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	593039	40.998	ng		62
17) 2-Methylphenol	7.134	107	357192	41.787	ng		93
18) Hexachloroethane	7.387	117	180191	41.928	ng		99
19) n-Nitroso-di-n-propyla...	7.287	70	319847	40.408	ng		99
20) 3+4-Methylphenols	7.287	107	430999	40.318	ng		92
22) Acetophenone	7.281	105	598383	40.277	ng	#	99
24) Nitrobenzene	7.457	77	502108	39.335	ng		99
25) Isophorone	7.692	82	892542	41.077	ng		100
26) 2-Nitrophenol	7.775	139	242821	42.867	ng		99
27) 2,4-Dimethylphenol	7.810	122	364964	50.326	ng		98
28) bis(2-Chloroethoxy)met...	7.904	93	546901	41.048	ng		100
29) 2,4-Dichlorophenol	8.022	162	377878	42.162	ng		97
30) 1,2,4-Trichlorobenzene	8.098	180	395907	39.677	ng		99
31) Naphthalene	8.181	128	1311141	40.462	ng		100
32) Benzoic acid	7.945	122	259311	40.636	ng		95
33) 4-Chloroaniline	8.228	127	365387	32.423	ng		99
34) Hexachlorobutadiene	8.292	225	256885	40.406	ng		99
35) Caprolactam	8.598	113	124006m	41.629	ng		
36) 4-Chloro-3-methylphenol	8.716	107	415262	41.810	ng		100
37) 2-Methylnaphthalene	8.869	142	853575	41.080	ng		100
38) 1-Methylnaphthalene	8.969	142	788895	38.772	ng		100
40) 1,2,4,5-Tetrachloroben...	9.034	216	403173	41.978	ng		99
41) Hexachlorocyclopentadiene	9.022	237	411455	166.853	ng		100
43) 2,4,6-Trichlorophenol	9.151	196	265884	42.183	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140446.D
Acq On : 18 Nov 2024 11:32
Operator : RC/JU
Sample : PB164846BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 18 12:03:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB164846BS

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	284345	41.262	ng	99
46) 1,1'-Biphenyl	9.333	154	1049756	41.546	ng	99
47) 2-Chloronaphthalene	9.357	162	786072	40.840	ng	99
48) 2-Nitroaniline	9.457	65	272968	42.763	ng	98
49) Acenaphthylene	9.775	152	1293683	44.424	ng	100
50) Dimethylphthalate	9.633	163	976397	43.130	ng	100
51) 2,6-Dinitrotoluene	9.698	165	214166	41.497	ng	99
52) Acenaphthene	9.951	154	928998m	47.231	ng	
53) 3-Nitroaniline	9.869	138	180285	33.263	ng	99
54) 2,4-Dinitrophenol	9.980	184	241543	90.757	ng	100
55) Dibenzofuran	10.122	168	1170858	42.050	ng	100
56) 4-Nitrophenol	10.045	139	326519	82.591	ng	99
57) 2,4-Dinitrotoluene	10.110	165	286393	42.164	ng	95
58) Fluorene	10.463	166	915188	41.606	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	247144	45.420	ng	97
60) Diethylphthalate	10.333	149	978499	42.270	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	450935	41.524	ng	99
62) 4-Nitroaniline	10.492	138	224994	40.599	ng	98
63) Azobenzene	10.616	77	965118	42.196	ng	100
65) 4,6-Dinitro-2-methylph...	10.516	198	165087	48.190	ng	99
66) n-Nitrosodiphenylamine	10.575	169	806124	43.817	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	276151	43.387	ng	99
68) Hexachlorobenzene	11.016	284	312673	43.661	ng	96
69) Atrazine	11.098	200	204988	36.828	ng	99
70) Pentachlorophenol	11.210	266	327103	84.794	ng	99
71) Phenanthrene	11.427	178	1293808	43.255	ng	100
72) Anthracene	11.480	178	1327808	45.295	ng	99
73) Carbazole	11.633	167	1219658	42.137	ng	100
74) Di-n-butylphthalate	11.957	149	1526840	43.950	ng	100
75) Fluoranthene	12.616	202	1387211	41.338	ng	99
77) Benzidine	12.739	184	270508	21.241	ng	99
78) Pyrene	12.851	202	1393611	49.101	ng	100
80) Butylbenzylphthalate	13.463	149	546873	50.157	ng	97
81) Benzo(a)anthracene	14.045	228	985370	45.185	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	265978	38.372	ng	99
83) Chrysene	14.080	228	886826	44.569	ng	99
84) Bis(2-ethylhexyl)phtha...	14.021	149	707203	48.594	ng	100
85) Di-n-octyl phthalate	14.657	149	925048	45.132	ng	99
87) Indeno(1,2,3-cd)pyrene	17.068	276	955785	49.962	ng	100
88) Benzo(b)fluoranthene	15.115	252	824611	40.705	ng	100
89) Benzo(k)fluoranthene	15.145	252	683584	41.305	ng	99
90) Benzo(a)pyrene	15.492	252	739316	46.995	ng	99
91) Dibenzo(a,h)anthracene	17.080	278	783426	49.543	ng	100
92) Benzo(g,h,i)perylene	17.521	276	724191	44.797	ng	99

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

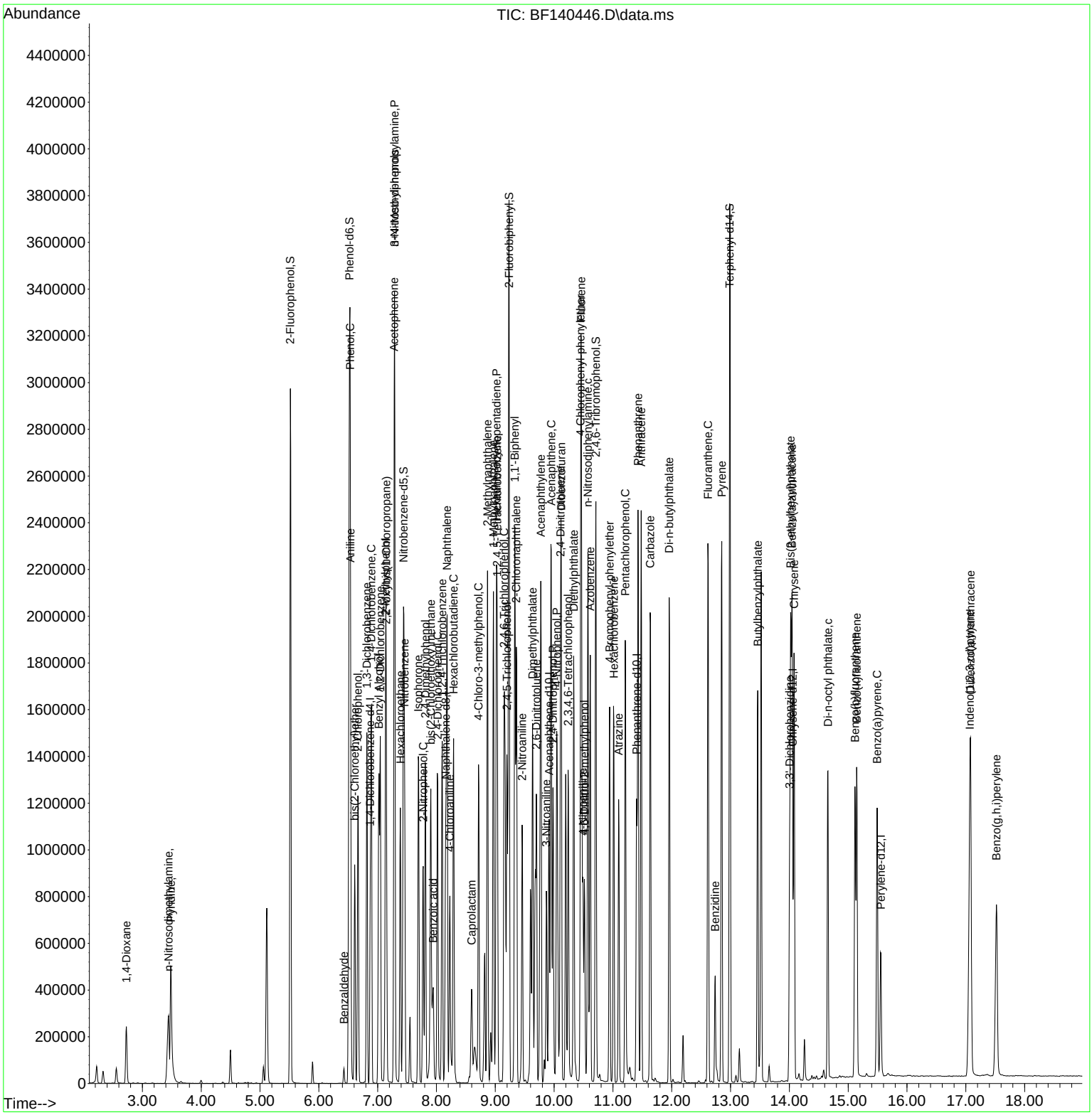
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140446.D
Acq On : 18 Nov 2024 11:32
Operator : RC/JU
Sample : PB164846BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 18 12:03:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB164846BS

Manual Integrations APPROVED

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140447.D
Acq On : 18 Nov 2024 11:58
Operator : RC/JU
Sample : PB164846BSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 18 12:34:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB164846BSD

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	145420	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	559684	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	308958	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	581243	20.000	ng		0.00
76) Chrysene-d12	14.051	240	325114	20.000	ng		0.00
86) Perylene-d12	15.545	264	284093	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	1076180	126.355	ng		0.02
7) Phenol-d6	6.516	99	1400041	121.328	ng		0.01
23) Nitrobenzene-d5	7.439	82	923338	85.956	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	404298	131.593	ng		0.00
45) 2-Fluorobiphenyl	9.233	172	1682238	87.529	ng		0.00
79) Terphenyl-d14	12.986	244	1867800	99.722	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.734	88	145798	38.408	ng		99
3) Pyridine	3.493	79	385293	41.286	ng		99
4) n-Nitrosodimethylamine	3.446	42	205712	43.614	ng		100
6) Aniline	6.540	93	391801	39.031	ng	#	45
8) 2-Chlorophenol	6.663	128	429419	46.936	ng		98
9) Benzaldehyde	6.428	77	49583	7.169	ng		97
10) Phenol	6.534	94	526833	43.293	ng	#	75
11) bis(2-Chloroethyl)ether	6.610	93	421887	45.755	ng		99
12) 1,3-Dichlorobenzene	6.816	146	444156	44.000	ng		99
13) 1,4-Dichlorobenzene	6.892	146	447701	43.740	ng		99
14) 1,2-Dichlorobenzene	7.045	146	429290	45.178	ng		99
15) Benzyl Alcohol	7.022	79	390233	46.938	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	565533	44.404	ng		68
17) 2-Methylphenol	7.134	107	342267	45.476	ng		93
18) Hexachloroethane	7.387	117	169487	44.791	ng		99
19) n-Nitroso-di-n-propyla...	7.287	70	309024	44.341	ng		100
20) 3+4-Methylphenols	7.287	107	423581	45.003	ng		94
22) Acetophenone	7.281	105	571412	43.897	ng		99
24) Nitrobenzene	7.457	77	480035	42.921	ng		99
25) Isophorone	7.692	82	853441	44.828	ng		100
26) 2-Nitrophenol	7.775	139	232910	46.929	ng		98
27) 2,4-Dimethylphenol	7.810	122	348177	54.796	ng		97
28) bis(2-Chloroethoxy)met...	7.904	93	525211	44.991	ng		100
29) 2,4-Dichlorophenol	8.016	162	357639	45.543	ng		99
30) 1,2,4-Trichlorobenzene	8.098	180	379026	43.353	ng		99
31) Naphthalene	8.175	128	1246423	43.901	ng		100
32) Benzoic acid	7.939	122	244574	43.744	ng		97
33) 4-Chloroaniline	8.228	127	219835	22.264	ng		99
34) Hexachlorobutadiene	8.292	225	243160	43.652	ng		99
35) Caprolactam	8.598	113	114202m	43.756	ng		
36) 4-Chloro-3-methylphenol	8.716	107	389864	44.800	ng		98
37) 2-Methylnaphthalene	8.869	142	816319	44.840	ng		99
38) 1-Methylnaphthalene	8.969	142	761299	42.704	ng		99
40) 1,2,4,5-Tetrachloroben...	9.034	216	387962	45.409	ng		99
41) Hexachlorocyclopentadiene	9.022	237	398486	181.657	ng		99
43) 2,4,6-Trichlorophenol	9.151	196	257007	45.838	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140447.D
Acq On : 18 Nov 2024 11:58
Operator : RC/JU
Sample : PB164846BSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 18 12:34:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB164846BSD

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	271362	44.267	ng	98
46) 1,1'-Biphenyl	9.333	154	1010408	44.954	ng	99
47) 2-Chloronaphthalene	9.357	162	754929	44.092	ng	99
48) 2-Nitroaniline	9.457	65	256925	45.247	ng	99
49) Acenaphthylene	9.775	152	1249493	48.233	ng	100
50) Dimethylphthalate	9.633	163	927208	46.042	ng	99
51) 2,6-Dinitrotoluene	9.698	165	198478	43.232	ng	100
52) Acenaphthene	9.945	154	891897m	50.975	ng	
53) 3-Nitroaniline	9.869	138	137100	28.436	ng	99
54) 2,4-Dinitrophenol	9.980	184	229743	97.040	ng	99
55) Dibenzofuran	10.122	168	1124399	45.395	ng	100
56) 4-Nitrophenol	10.045	139	308272	87.657	ng	98
57) 2,4-Dinitrotoluene	10.104	165	275544	45.603	ng	98
58) Fluorene	10.463	166	868200	44.370	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	230652	47.652	ng	99
60) Diethylphthalate	10.333	149	933678	45.341	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	431231	44.640	ng	100
62) 4-Nitroaniline	10.486	138	215906	43.796	ng	98
63) Azobenzene	10.616	77	914747	44.959	ng	100
65) 4,6-Dinitro-2-methylph...	10.516	198	157620	50.403	ng	98
66) n-Nitrosodiphenylamine	10.575	169	771009	45.910	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	261987	45.091	ng	99
68) Hexachlorobenzene	11.010	284	296988	45.430	ng	100
69) Atrazine	11.104	200	261734	51.512	ng	100
70) Pentachlorophenol	11.210	266	308690	87.661	ng	99
71) Phenanthrene	11.427	178	1253307	45.902	ng	100
72) Anthracene	11.480	178	1280432	47.849	ng	100
73) Carbazole	11.633	167	1181642	44.721	ng	100
74) Di-n-butylphthalate	11.957	149	1462532	46.118	ng	100
75) Fluoranthene	12.621	202	1360302	44.406	ng	100
77) Benzidine	12.739	184	344154	27.581	ng	99
78) Pyrene	12.851	202	1371060	49.302	ng	100
80) Butylbenzylphthalate	13.463	149	551247	51.601	ng	96
81) Benzo(a)anthracene	14.039	228	995805	46.604	ng	99
82) 3,3'-Dichlorobenzidine	13.998	252	209137	30.794	ng	99
83) Chrysene	14.080	228	923689	47.379	ng	100
84) Bis(2-ethylhexyl)phtha...	14.021	149	715477	50.176	ng	99
85) Di-n-octyl phthalate	14.645	149	962272	47.915	ng	99
87) Indeno(1,2,3-cd)pyrene	17.057	276	911905	51.963	ng	99
88) Benzo(b)fluoranthene	15.110	252	747769	40.237	ng	99
89) Benzo(k)fluoranthene	15.139	252	746427	49.166	ng	100
90) Benzo(a)pyrene	15.480	252	719976	49.889	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	743925	51.284	ng	99
92) Benzo(g,h,i)perylene	17.509	276	693632	46.772	ng	98

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

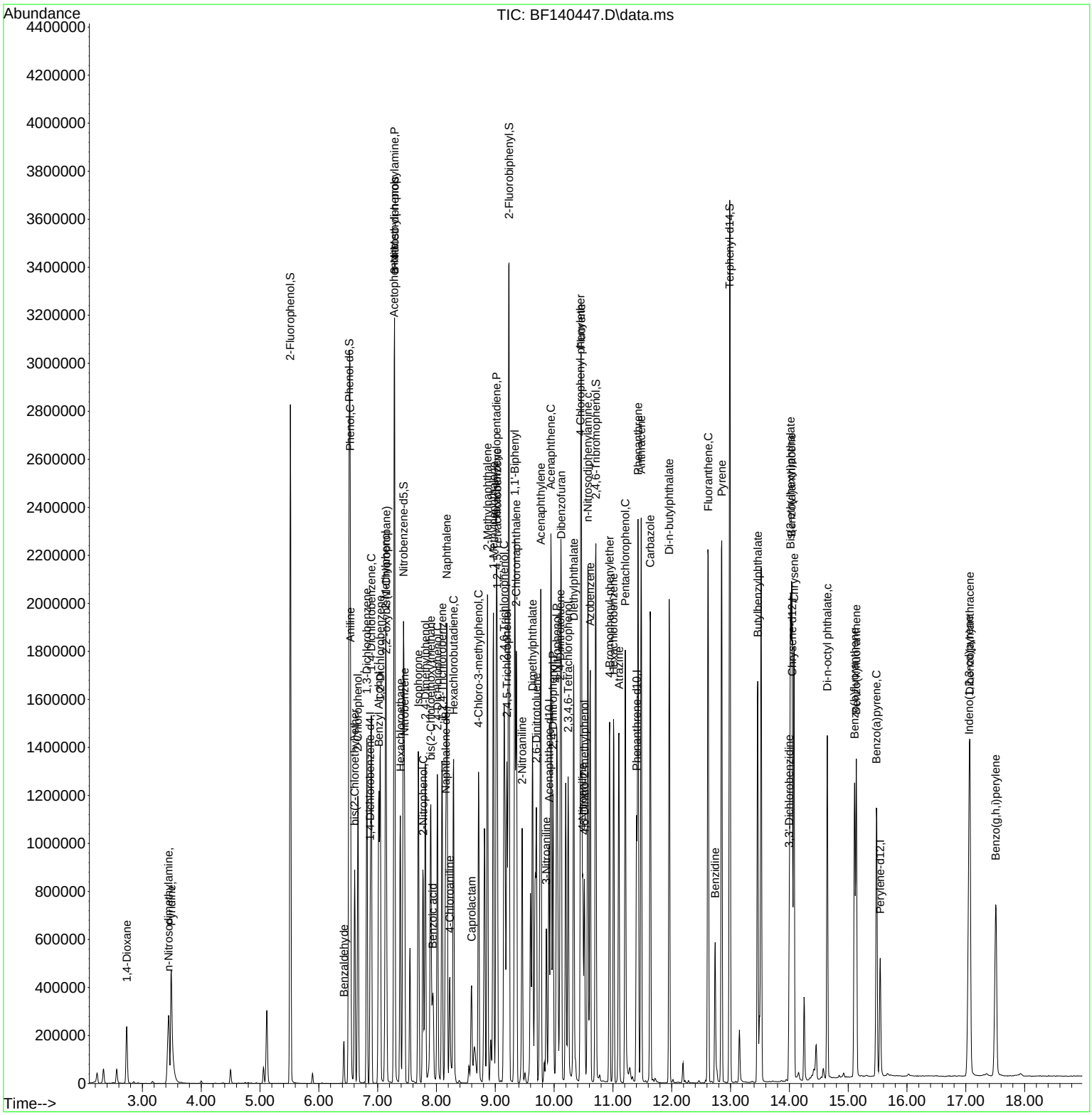
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140447.D
Acq On : 18 Nov 2024 11:58
Operator : RC/JU
Sample : PB164846BSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 18 12:34:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB164846BSD

Manual Integrations APPROVED

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



Sample Results: **BF140272.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140272.D
Acq On : 07 Nov 2024 14:00
Operator : RC/JU
Sample : P4718-02MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 07 14:42:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WB-307-SB02MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	123564	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	474391	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	274410	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	511867	20.000	ng	0.00
76) Chrysene-d12	14.063	240	275517	20.000	ng	0.00
86) Perylene-d12	15.580	264	287359	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	805163	107.986	ng	0.00
7) Phenol-d6	6.504	99	1046033	109.070	ng	0.00
23) Nitrobenzene-d5	7.439	82	683568	71.641	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	329281	121.398	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1235148	71.874	ng	0.00
79) Terphenyl-d14	12.992	244	1350611	80.303	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.710	88	159894	46.644	ng	94
3) Pyridine	3.463	79	401853	48.044	ng	96
4) n-Nitrosodimethylamine	3.422	42	229762	47.579	ng	92
6) Aniline	6.540	93	447659	51.665	ng	99
8) 2-Chlorophenol	6.657	128	423877	54.333	ng	96
9) Benzaldehyde	6.428	77	60676	10.271	ng	93
10) Phenol	6.516	94	539287	52.946	ng	94
11) bis(2-Chloroethyl)ether	6.610	93	402349	51.999	ng	97
12) 1,3-Dichlorobenzene	6.816	146	454992	49.769	ng	99
13) 1,4-Dichlorobenzene	6.892	146	464526	50.380	ng	98
14) 1,2-Dichlorobenzene	7.045	146	443352	51.482	ng	98
15) Benzyl Alcohol	7.016	79	390494	52.818	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.145	45	631690	50.436	ng	98
17) 2-Methylphenol	7.122	107	343978	52.855	ng	99
18) Hexachloroethane	7.387	117	171286	49.871	ng	98
19) n-Nitroso-di-n-propyla...	7.287	70	307934	50.330	ng	95
20) 3+4-Methylphenols	7.275	107	425056	52.004	ng	95
22) Acetophenone	7.281	105	577350	49.087	ng	98
24) Nitrobenzene	7.457	77	475696	47.513	ng	97
25) Isophorone	7.692	82	832705	50.684	ng	100
26) 2-Nitrophenol	7.775	139	218788	54.936	ng	95
27) 2,4-Dimethylphenol	7.804	122	337920	62.369	ng	96
28) bis(2-Chloroethoxy)met...	7.904	93	486262	49.458	ng	99
29) 2,4-Dichlorophenol	8.010	162	349832	52.192	ng	100
30) 1,2,4-Trichlorobenzene	8.098	180	384857	47.916	ng	99
31) Naphthalene	8.181	128	1207757	49.303	ng	100
32) Benzoic acid	7.922	122	248410	55.867	ng	97
33) 4-Chloroaniline	8.228	127	281553	34.912	ng	96
34) Hexachlorobutadiene	8.292	225	259986	47.822	ng	99
35) Caprolactam	8.592	113	114665m	56.235	ng	
36) 4-Chloro-3-methylphenol	8.704	107	387719	51.953	ng	97
37) 2-Methylnaphthalene	8.869	142	813182	50.863	ng	99
38) 1-Methylnaphthalene	8.969	142	759242	48.450	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	409102	50.925	ng	99
41) Hexachlorocyclopentadiene	9.022	237	444962	197.667	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	267747	53.784	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140272.D
Acq On : 07 Nov 2024 14:00
Operator : RC/JU
Sample : P4718-02MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 07 14:42:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WB-307-SB02MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	275023	52.543	ng	98
46) 1,1'-Biphenyl	9.339	154	993478	50.087	ng	100
47) 2-Chloronaphthalene	9.363	162	738129	49.444	ng	99
48) 2-Nitroaniline	9.457	65	262434	52.565	ng	95
49) Acenaphthylene	9.781	152	1169473	55.332	ng	99
50) Dimethylphthalate	9.639	163	897596	53.113	ng	99
51) 2,6-Dinitrotoluene	9.698	165	205237	51.665	ng	98
52) Acenaphthene	9.951	154	886215	59.116	ng	99
53) 3-Nitroaniline	9.869	138	152512	40.773	ng	97
54) 2,4-Dinitrophenol	9.980	184	227925	114.085	ng	88
55) Dibenzofuran	10.128	168	1102187	52.578	ng	99
56) 4-Nitrophenol	10.033	139	323914	123.159	ng	95
57) 2,4-Dinitrotoluene	10.104	165	285151	55.316	ng	95
58) Fluorene	10.469	166	861124	51.605	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	250027	58.310	ng	97
60) Diethylphthalate	10.339	149	886313	52.776	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	435218	51.750	ng	98
62) 4-Nitroaniline	10.486	138	205277	55.224	ng	96
63) Azobenzene	10.622	77	991091	56.929	ng	94
65) 4,6-Dinitro-2-methylph...	10.516	198	161606	60.114	ng	94
66) n-Nitrosodiphenylamine	10.580	169	764584	51.934	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	282599	51.270	ng	98
68) Hexachlorobenzene	11.016	284	316279	50.340	ng	96
69) Atrazine	11.104	200	279153	69.306	ng	99
70) Pentachlorophenol	11.210	266	375354	111.257	ng	98
71) Phenanthrene	11.433	178	1278587	52.341	ng	99
72) Anthracene	11.486	178	1310930	54.728	ng	100
73) Carbazole	11.639	167	1140760	52.121	ng	100
74) Di-n-butylphthalate	11.969	149	1387600	53.560	ng	100
75) Fluoranthene	12.621	202	1259503	49.309	ng	99
77) Benzidine	12.745	184	489668	90.901	ng	99
78) Pyrene	12.851	202	1252636	55.064	ng	99
80) Butylbenzylphthalate	13.469	149	483213	58.990	ng	97
81) Benzo(a)anthracene	14.057	228	963003	54.464	ng	99
82) 3,3'-Dichlorobenzidine	14.016	252	252806	45.530	ng	99
83) Chrysene	14.092	228	880430	53.173	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	613533	53.440	ng	100
85) Di-n-octyl phthalate	14.692	149	927048	53.648	ng	97
87) Indeno(1,2,3-cd)pyrene	17.098	276	834095	49.449	ng	100
88) Benzo(b)fluoranthene	15.145	252	970890	55.857	ng	99
89) Benzo(k)fluoranthene	15.174	252	781160	48.977	ng	99
90) Benzo(a)pyrene	15.521	252	821561	57.328	ng	100
91) Dibenzo(a,h)anthracene	17.115	278	688310	49.598	ng	100
92) Benzo(g,h,i)perylene	17.551	276	598771	42.296	ng	99

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

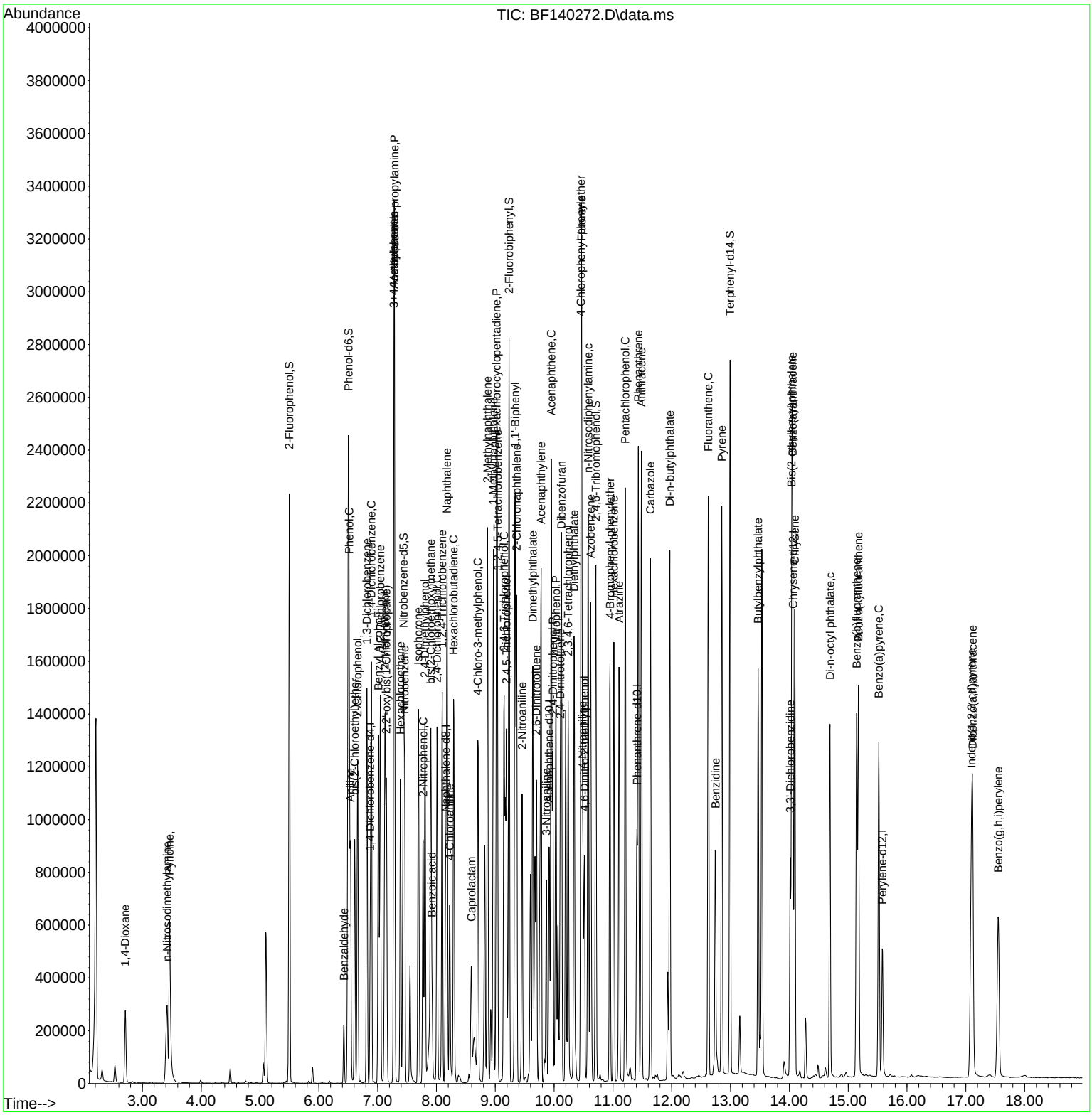
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140272.D
Acq On : 07 Nov 2024 14:00
Operator : RC/JU
Sample : P4718-02MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 07 14:42:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WB-307-SB02MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140273.D
Acq On : 07 Nov 2024 14:27
Operator : RC/JU
Sample : P4718-02MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 07 14:56:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WB-307-SB02MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	124801	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	475239	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	277394	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	516198	20.000	ng	0.00
76) Chrysene-d12	14.068	240	284018	20.000	ng	0.00
86) Perylene-d12	15.586	264	293574	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	795579	105.643	ng	0.00
7) Phenol-d6	6.504	99	1029384	106.271	ng	0.00
23) Nitrobenzene-d5	7.439	82	666023	69.678	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	331362	120.851	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1238982	71.321	ng	0.00
79) Terphenyl-d14	12.992	244	1330763	76.754	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.710	88	158831	45.875	ng	95
3) Pyridine	3.463	79	403726	47.789	ng	96
4) n-Nitrosodimethylamine	3.416	42	229741	47.103	ng	92
6) Aniline	6.539	93	451956	51.644	ng	98
8) 2-Chlorophenol	6.657	128	416682	52.881	ng	96
9) Benzaldehyde	6.428	77	61562	10.318	ng	97
10) Phenol	6.516	94	534935	51.999	ng	94
11) bis(2-Chloroethyl)ether	6.610	93	396206	50.698	ng	97
12) 1,3-Dichlorobenzene	6.816	146	446908	48.400	ng	99
13) 1,4-Dichlorobenzene	6.892	146	458634	49.248	ng	99
14) 1,2-Dichlorobenzene	7.045	146	434447	49.948	ng	98
15) Benzyl Alcohol	7.016	79	386606	51.774	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.145	45	622917	49.242	ng	98
17) 2-Methylphenol	7.122	107	338402	51.483	ng	99
18) Hexachloroethane	7.386	117	167570	48.306	ng	98
19) n-Nitroso-di-n-propyla...	7.286	70	305751	49.478	ng	96
20) 3+4-Methylphenols	7.275	107	425814	51.581	ng	95
22) Acetophenone	7.281	105	571898	48.537	ng	98
24) Nitrobenzene	7.457	77	467178	46.579	ng	97
25) Isophorone	7.692	82	824046	50.067	ng	99
26) 2-Nitrophenol	7.775	139	215334	53.972	ng	95
27) 2,4-Dimethylphenol	7.804	122	333993	61.534	ng	97
28) bis(2-Chloroethoxy)met...	7.904	93	480578	48.793	ng	99
29) 2,4-Dichlorophenol	8.010	162	350214	52.156	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	380621	47.304	ng	99
31) Naphthalene	8.180	128	1200857	48.933	ng	100
32) Benzoic acid	7.922	122	241676	54.255	ng	94
33) 4-Chloroaniline	8.228	127	279115	34.548	ng	97
34) Hexachlorobutadiene	8.292	225	257654	47.308	ng	99
35) Caprolactam	8.592	113	115758m	56.670	ng	
36) 4-Chloro-3-methylphenol	8.704	107	388888	52.017	ng	98
37) 2-Methylnaphthalene	8.869	142	810384	50.598	ng	99
38) 1-Methylnaphthalene	8.969	142	756765	48.206	ng	100
40) 1,2,4,5-Tetrachloroben...	9.033	216	400992	49.379	ng	99
41) Hexachlorocyclopentadiene	9.022	237	427822	188.008	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	263899	52.441	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140273.D
Acq On : 07 Nov 2024 14:27
Operator : RC/JU
Sample : P4718-02MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 07 14:56:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WB-307-SB02MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	275539	52.075	ng	98
46) 1,1'-Biphenyl	9.333	154	984333	49.093	ng	100
47) 2-Chloronaphthalene	9.363	162	740269	49.054	ng	99
48) 2-Nitroaniline	9.457	65	262416	51.996	ng	93
49) Acenaphthylene	9.780	152	1154339	54.028	ng	99
50) Dimethylphthalate	9.639	163	889136	52.046	ng	100
51) 2,6-Dinitrotoluene	9.698	165	206672	51.466	ng	98
52) Acenaphthene	9.951	154	886942	58.528	ng	99
53) 3-Nitroaniline	9.869	138	151809	40.148	ng	99
54) 2,4-Dinitrophenol	9.980	184	233982	115.761	ng	86
55) Dibenzofuran	10.127	168	1096117	51.726	ng	97
56) 4-Nitrophenol	10.033	139	325881	122.574	ng	95
57) 2,4-Dinitrotoluene	10.104	165	281533	54.027	ng	96
58) Fluorene	10.469	166	866197	51.351	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	247483	57.095	ng	96
60) Diethylphthalate	10.339	149	885754	52.175	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	425647	50.068	ng	98
62) 4-Nitroaniline	10.486	138	203943	54.275	ng	95
63) Azobenzene	10.621	77	980191	55.697	ng	95
65) 4,6-Dinitro-2-methylph...	10.516	198	161015	59.391	ng	95
66) n-Nitrosodiphenylamine	10.580	169	756153	50.930	ng	100
67) 4-Bromophenyl-phenylether	10.951	248	281694	50.677	ng	97
68) Hexachlorobenzene	11.016	284	313451	49.471	ng	97
69) Atrazine	11.104	200	276392	68.045	ng	98
70) Pentachlorophenol	11.210	266	369746	108.676	ng	98
71) Phenanthrene	11.433	178	1274979	51.755	ng	100
72) Anthracene	11.486	178	1290287	53.415	ng	100
73) Carbazole	11.639	167	1130349	51.212	ng	99
74) Di-n-butylphthalate	11.968	149	1372401	52.528	ng	99
75) Fluoranthene	12.621	202	1237839	48.055	ng	100
77) Benzidine	12.745	184	491990	88.598	ng	99
78) Pyrene	12.851	202	1234029	52.622	ng	99
80) Butylbenzylphthalate	13.474	149	475307	56.288	ng	95
81) Benzo(a)anthracene	14.057	228	943227	51.749	ng	99
82) 3,3'-Dichlorobenzidine	14.015	252	258341	45.134	ng	100
83) Chrysene	14.098	228	907486	53.167	ng	99
84) Bis(2-ethylhexyl)phtha...	14.045	149	608274	51.396	ng	100
85) Di-n-octyl phthalate	14.698	149	927876	52.089	ng	97
87) Indeno(1,2,3-cd)pyrene	17.103	276	845168	49.045	ng	100
88) Benzo(b)fluoranthene	15.151	252	865806	48.757	ng	99
89) Benzo(k)fluoranthene	15.180	252	892442	54.769	ng	100
90) Benzo(a)pyrene	15.527	252	820678	56.054	ng	99
91) Dibenzo(a,h)anthracene	17.121	278	696388	49.118	ng	99
92) Benzo(g,h,i)perylene	17.556	276	603487	41.726	ng	99

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

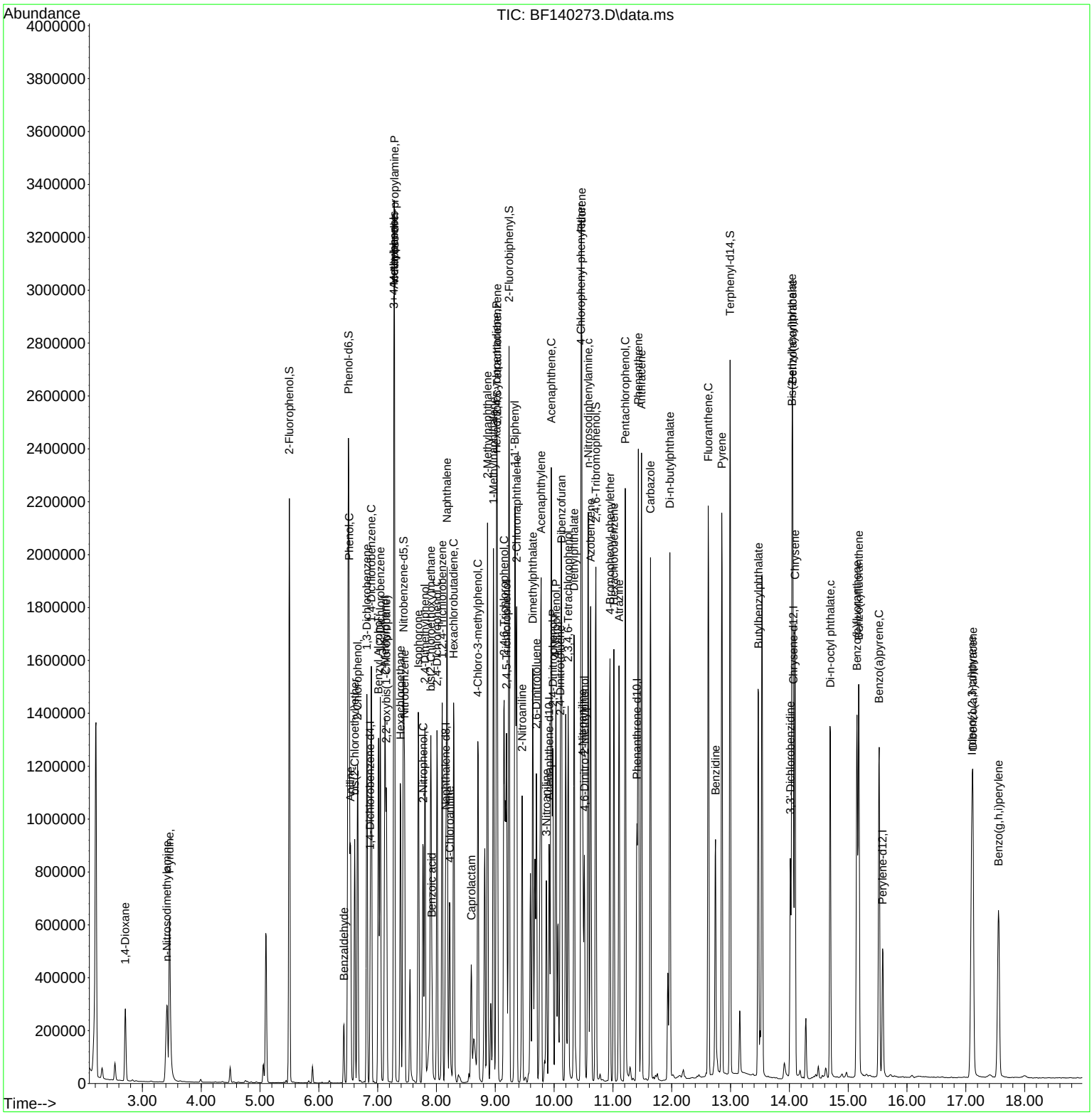
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140273.D
Acq On : 07 Nov 2024 14:27
Operator : RC/JU
Sample : P4718-02MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 07 14:56:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WB-307-SB02MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



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

Manual Integration Report

Sequence:	bf110524	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC050	BF140236.D	Benzoic acid	yogesh	11/6/2024 3:09:10 AM	mohammad	11/6/2024 3:16:35 AM	Peak Integrated by Software
SSTDICC080	BF140238.D	Aniline	yogesh	11/6/2024 3:09:12 AM	mohammad	11/6/2024 3:16:35 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF110724	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB164702BS	BF140263.D	Caprolactam	yogesh	11/8/2024 3:37:25 AM	mohammad	11/11/2024 12:23:52 AM	Peak Integrated by Software
P4718-02MS	BF140272.D	Caprolactam	yogesh	11/8/2024 3:37:30 AM	mohammad	11/11/2024 12:23:52 AM	Peak Integrated by Software
P4718-02MSD	BF140273.D	Caprolactam	yogesh	11/8/2024 3:37:31 AM	mohammad	11/11/2024 12:23:52 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF111324	Instrument	BNA_f

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

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

Manual Integration Report

Sequence:	bf111424	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	bf111824	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140443.D	2,4-Dimethylphenol	yogesh	11/19/2024 3:20:35 AM	mohammad	11/19/2024 3:30:54 AM	Peak Integrated by Software
PB164846BS	BF140446.D	Acenaphthene	yogesh	11/19/2024 3:20:38 AM	mohammad	11/19/2024 3:30:54 AM	Peak Integrated by Software
PB164846BS	BF140446.D	Caprolactam	yogesh	11/19/2024 3:20:38 AM	mohammad	11/19/2024 3:30:54 AM	Peak Integrated by Software
PB164846BSD	BF140447.D	Acenaphthene	yogesh	11/19/2024 3:20:40 AM	mohammad	11/19/2024 3:30:54 AM	Peak Integrated by Software
PB164846BSD	BF140447.D	Caprolactam	yogesh	11/19/2024 3:20:40 AM	mohammad	11/19/2024 3:30:54 AM	Peak Integrated by Software
SSTDCCC040	BF140456.D	2,4-Dimethylphenol	yogesh	11/19/2024 3:20:45 AM	mohammad	11/19/2024 3:30:54 AM	Peak Integrated by Software

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110524

Review By	yogesh	Review On	11/6/2024 3:09:46 AM				
Supervise By	mohammad	Supervise On	11/6/2024 3:16:35 AM				
SubDirectory	BF110524	HP Acquire Method	BNA_F		HP Processing Method	bf110524	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12324,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140230.D	05 Nov 2024 11:56	RC/JU	Ok
2	SSTDICC2.5	BF140231.D	05 Nov 2024 12:26	RC/JU	Ok
3	SSTDICC005	BF140232.D	05 Nov 2024 12:52	RC/JU	Ok
4	SSTDICC010	BF140233.D	05 Nov 2024 13:18	RC/JU	Ok
5	SSTDICC020	BF140234.D	05 Nov 2024 13:45	RC/JU	Ok
6	SSTDICCC040	BF140235.D	05 Nov 2024 14:11	RC/JU	Ok
7	SSTDICC050	BF140236.D	05 Nov 2024 14:37	RC/JU	Ok,M
8	SSTDICC060	BF140237.D	05 Nov 2024 15:03	RC/JU	Ok
9	SSTDICC080	BF140238.D	05 Nov 2024 15:30	RC/JU	Ok,M
10	SSTDICV040	BF140239.D	05 Nov 2024 16:07	RC/JU	Ok
11	PB164366BL	BF140240.D	05 Nov 2024 16:37	RC/JU	Ok
12	P4368-02	BF140241.D	05 Nov 2024 17:03	RC/JU	Ok
13	P4368-02	BF140242.D	05 Nov 2024 17:30	RC/JU	Ok,M
14	P4368-08	BF140243.D	05 Nov 2024 17:56	RC/JU	Ok,M
15	P4368-02	BF140244.D	05 Nov 2024 18:22	RC/JU	Not Ok
16	P4368-08	BF140245.D	05 Nov 2024 18:49	RC/JU	Not Ok
17	P4368-01	BF140246.D	05 Nov 2024 19:15	RC/JU	Ok
18	P4368-01	BF140247.D	05 Nov 2024 19:41	RC/JU	Ok,M
19	P4368-07	BF140248.D	05 Nov 2024 20:07	RC/JU	Ok,M
20	P4368-07	BF140249.D	05 Nov 2024 20:34	RC/JU	Ok,M
21	PB164369BL	BF140250.D	05 Nov 2024 21:00	RC/JU	Ok

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 # BF110524

Review By	yogesh	Review On	11/6/2024 3:09:46 AM				
Supervise By	mohammad	Supervise On	11/6/2024 3:16:35 AM				
SubDirectory	BF110524	HP Acquire Method	BNA_F		HP Processing Method	bf110524	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12324,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	SSTDCCC040	BF140251.D	05 Nov 2024 21:26	RC/JU	Ok

M : Manual Integration

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 # BF110724

Review By	yogesh	Review On	11/8/2024 3:38:09 AM				
Supervise By	mohammad	Supervise On	11/11/2024 12:23:52 AM				
SubDirectory	BF110724	HP Acquire Method	BNA_F		HP Processing Method	bf110524	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12326,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140260.D	07 Nov 2024 08:33	RC/JU	Ok
2	SSTDCCC040	BF140261.D	07 Nov 2024 08:59	RC/JU	Ok
3	PB164702BL	BF140262.D	07 Nov 2024 09:28	RC/JU	Ok
4	PB164702BS	BF140263.D	07 Nov 2024 09:54	RC/JU	Ok,M
5	P4701-01	BF140264.D	07 Nov 2024 10:28	RC/JU	Ok
6	P4693-05	BF140265.D	07 Nov 2024 10:55	RC/JU	Ok
7	P4693-05MS	BF140266.D	07 Nov 2024 11:21	RC/JU	Ok,M
8	P4693-05MSD	BF140267.D	07 Nov 2024 11:48	RC/JU	Ok,M
9	P4701-05	BF140268.D	07 Nov 2024 12:14	RC/JU	Ok
10	P4697-01	BF140269.D	07 Nov 2024 12:40	RC/JU	Ok
11	P4718-01	BF140270.D	07 Nov 2024 13:07	RC/JU	Ok
12	P4718-02	BF140271.D	07 Nov 2024 13:33	RC/JU	Ok
13	P4718-02MS	BF140272.D	07 Nov 2024 14:00	RC/JU	Ok,M
14	P4718-02MSD	BF140273.D	07 Nov 2024 14:27	RC/JU	Ok,M
15	P4693-01	BF140274.D	07 Nov 2024 14:53	RC/JU	Ok,M
16	P4695-01	BF140275.D	07 Nov 2024 15:20	RC/JU	Dilution
17	P4707-01	BF140276.D	07 Nov 2024 15:46	RC/JU	Ok,M
18	P4719-01	BF140277.D	07 Nov 2024 16:13	RC/JU	Ok
19	P4694-05	BF140278.D	07 Nov 2024 16:39	RC/JU	ReRun
20	P4720-01	BF140279.D	07 Nov 2024 17:06	RC/JU	Dilution
21	P4722-13	BF140280.D	07 Nov 2024 17:32	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 # BF110724

Review By	yogesh	Review On	11/8/2024 3:38:09 AM				
Supervise By	mohammad	Supervise On	11/11/2024 12:23:52 AM				
SubDirectory	BF110724	HP Acquire Method	BNA_F		HP Processing Method	bf110524	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12326,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4695-01DL	BF140281.D	07 Nov 2024 17:59	RC/JU	Not Ok
23	P4734-01	BF140282.D	07 Nov 2024 18:25	RC/JU	Ok,M
24	P4694-01	BF140283.D	07 Nov 2024 18:51	RC/JU	Dilution
25	P4700-01	BF140284.D	07 Nov 2024 19:18	RC/JU	Ok,M

M : Manual Integration

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 # BF111324

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

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

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

M : Manual Integration

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 # BF111424

Review By	yogesh	Review On	11/15/2024 5:15:55 AM		
Supervise By	mohammad	Supervise On	11/15/2024 5:49:37 AM		
SubDirectory	BF111424	HP Acquire Method	BNA_F	HP Processing Method	Bf111324

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140350.D	14 Nov 2024 08:47	RC/JU	Ok
2	SSTDCCC040	BF140351.D	14 Nov 2024 09:42	RC/JU	Ok
3	PB164908BL	BF140352.D	14 Nov 2024 10:08	RC/JU	Ok
4	PB164911BS	BF140353.D	14 Nov 2024 10:34	RC/JU	Ok,M
5	PB164911BSD	BF140354.D	14 Nov 2024 11:01	RC/JU	Ok,M
6	PB164911BL	BF140355.D	14 Nov 2024 11:27	RC/JU	Ok
7	P3845-06DL	BF140356.D	14 Nov 2024 11:54	RC/JU	Ok
8	P4762-02	BF140357.D	14 Nov 2024 13:03	RC/JU	Ok
9	P4792-03	BF140358.D	14 Nov 2024 13:29	RC/JU	Ok
10	P4837-03	BF140359.D	14 Nov 2024 13:55	RC/JU	Ok
11	P4834-03	BF140360.D	14 Nov 2024 14:21	RC/JU	Ok
12	P4779-01	BF140361.D	14 Nov 2024 14:47	RC/JU	Ok
13	P4838-03	BF140362.D	14 Nov 2024 15:13	RC/JU	Ok
14	P4718-04	BF140363.D	14 Nov 2024 15:39	RC/JU	Ok
15	P4812-01	BF140364.D	14 Nov 2024 16:04	RC/JU	Ok
16	DFTPP	BF140365.D	14 Nov 2024 16:35	RC/JU	Ok
17	SSTDCCC040	BF140366.D	14 Nov 2024 17:02	RC/JU	Ok
18	PB164846BL	BF140367.D	14 Nov 2024 17:28	RC/JU	Ok
19	P4722-10	BF140368.D	14 Nov 2024 17:59	RC/JU	Ok
20	P4722-15	BF140369.D	14 Nov 2024 18:25	RC/JU	Ok
21	P4791-02	BF140370.D	14 Nov 2024 18:51	RC/JU	Ok

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 # BF111424

Review By	yogesh	Review On	11/15/2024 5:15:55 AM		
Supervise By	mohammad	Supervise On	11/15/2024 5:49:37 AM		
SubDirectory	BF111424	HP Acquire Method	BNA_F	HP Processing Method	Bf111324

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

22	P4792-04	BF140371.D	14 Nov 2024 19:17	RC/JU	Ok
23	P4788-01	BF140372.D	14 Nov 2024 19:43	RC/JU	Ok
24	P4788-01MS	BF140373.D	14 Nov 2024 20:09	RC/JU	Ok
25	P4788-01MSD	BF140374.D	14 Nov 2024 20:35	RC/JU	Ok
26	P4796-05RE	BF140375.D	14 Nov 2024 21:01	RC/JU	Confirms
27	P4796-01RE	BF140376.D	14 Nov 2024 21:28	RC/JU	Confirms
28	P4722-08DL	BF140377.D	14 Nov 2024 21:54	RC/JU	Ok,M
29	P4768-06DL	BF140378.D	14 Nov 2024 22:20	RC/JU	Ok,M
30	P4739-09DL	BF140379.D	14 Nov 2024 22:47	RC/JU	Ok
31	P4795-01RE	BF140380.D	14 Nov 2024 23:13	RC/JU	Confirms
32	P4811-01RE	BF140381.D	14 Nov 2024 23:39	RC/JU	Confirms
33	P4816-01RE	BF140382.D	15 Nov 2024 00:05	RC/JU	Confirms
34	P4807-05	BF140383.D	15 Nov 2024 00:32	RC/JU	Ok
35	P4807-05MS	BF140384.D	15 Nov 2024 00:58	RC/JU	Ok
36	P4807-05MSD	BF140385.D	15 Nov 2024 01:24	RC/JU	Ok
37	P4807-01	BF140386.D	15 Nov 2024 01:49	RC/JU	Ok
38	P4798-01	BF140387.D	15 Nov 2024 02:16	RC/JU	Dilution
39	P4789-01	BF140388.D	15 Nov 2024 02:42	RC/JU	Ok
40	P4793-01	BF140389.D	15 Nov 2024 03:08	RC/JU	Confirms

M : Manual Integration

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 # BF111824

Review By	yogesh	Review On	11/19/2024 3:20:55 AM		
Supervise By	mohammad	Supervise On	11/19/2024 3:30:54 AM		
SubDirectory	BF111824	HP Acquire Method	BNA_F	HP Processing Method	Bf111324

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140442.D	18 Nov 2024 09:18	RC/JU	Ok
2	SSTDCCC040	BF140443.D	18 Nov 2024 10:13	RC/JU	Ok,M
3	PB165029BL	BF140444.D	18 Nov 2024 10:39	RC/JU	Ok
4	PB165029BS	BF140445.D	18 Nov 2024 11:05	RC/JU	Ok,M
5	PB164846BS	BF140446.D	18 Nov 2024 11:32	RC/JU	Ok,M
6	PB164846BSD	BF140447.D	18 Nov 2024 11:58	RC/JU	Ok,M
7	PB164940BL	BF140448.D	18 Nov 2024 12:24	RC/JU	Ok
8	PB164940BS	BF140449.D	18 Nov 2024 12:50	RC/JU	Ok,M
9	PB164965BL	BF140450.D	18 Nov 2024 13:16	RC/JU	Ok
10	PB164965BS	BF140451.D	18 Nov 2024 13:43	RC/JU	Ok,M
11	PB164969BS	BF140452.D	18 Nov 2024 14:19	RC/JU	Ok,M
12	PB164969BL	BF140453.D	18 Nov 2024 14:45	RC/JU	Ok
13	PB164880TB	BF140454.D	18 Nov 2024 15:11	RC/JU	Ok
14	DFTPP	BF140455.D	18 Nov 2024 15:48	RC/JU	Ok
15	SSTDCCC040	BF140456.D	18 Nov 2024 16:14	RC/JU	Ok,M
16	PB164944TB	BF140457.D	18 Nov 2024 16:40	RC/JU	Ok
17	P4821-04RE	BF140458.D	18 Nov 2024 17:13	RC/JU	Confirms
18	P4861-01	BF140459.D	18 Nov 2024 17:40	RC/JU	Ok
19	P4871-01	BF140460.D	18 Nov 2024 18:06	RC/JU	Ok
20	P4848-02	BF140461.D	18 Nov 2024 18:32	RC/JU	Ok

M : Manual Integration

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 # BF110524

Review By	yogesh	Review On	11/6/2024 3:09:46 AM		
Supervise By	mohammad	Supervise On	11/6/2024 3:16:35 AM		
SubDirectory	BF110524	HP Acquire Method	BNA_F	HP Processing Method	bf110524

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12324,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140230.D	05 Nov 2024 11:56		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF140231.D	05 Nov 2024 12:26		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF140232.D	05 Nov 2024 12:52	Compound#32,54,65 Removed from 5 ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF140233.D	05 Nov 2024 13:18	Compound#54 Kept on LR	RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF140234.D	05 Nov 2024 13:45		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF140235.D	05 Nov 2024 14:11	Calibration Good for DOD & 625.1 except for Benzidine	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF140236.D	05 Nov 2024 14:37	Com#77(Benzidine) Failed in the calibration for both DOD and NON-DOD	RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF140237.D	05 Nov 2024 15:03		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF140238.D	05 Nov 2024 15:30		RC/JU	Ok,M
10	SSTDICV040	ICVBF110524	BF140239.D	05 Nov 2024 16:07		RC/JU	Ok
11	PB164366BL	PB164366BL	BF140240.D	05 Nov 2024 16:37		RC/JU	Ok
12	P4368-02	LOQ-SOIL-02-QT4-202	BF140241.D	05 Nov 2024 17:03	LOQ-SOIL-5 ppm	RC/JU	Ok
13	P4368-02	LOQ-SOIL-02-QT4-202	BF140242.D	05 Nov 2024 17:30	LOQ-SOIL-10 PPM (Used for All compounds except compounds#54,77)	RC/JU	Ok,M
14	P4368-08	LOQ-WATER-02-QT4-2	BF140243.D	05 Nov 2024 17:56	LOQ-Water-5 ppm	RC/JU	Ok,M
15	P4368-02	LOQ-SOIL-02-QT4-202	BF140244.D	05 Nov 2024 18:22	LOQ-SOIL-5 ppm, Already Analyzed	RC/JU	Not Ok
16	P4368-08	LOQ-WATER-02-QT4-2	BF140245.D	05 Nov 2024 18:49	LOQ-Water-10 ppm, Internal Standard Fail	RC/JU	Not Ok

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 # BF110524

Review By	yogesh	Review On	11/6/2024 3:09:46 AM		
Supervise By	mohammad	Supervise On	11/6/2024 3:16:35 AM		
SubDirectory	BF110524	HP Acquire Method	BNA_F	HP Processing Method	bf110524

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12324,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	P4368-01	LOD-MDL-SOIL-01-QT	BF140246.D	05 Nov 2024 19:15	LOD-MDL-SOIL- 4 ppm	RC/JU	Ok
18	P4368-01	LOD-MDL-SOIL-01-QT	BF140247.D	05 Nov 2024 19:41	LOD-MDL-SOIL- 8 ppm	RC/JU	Ok,M
19	P4368-07	LOD-MDL-WATER-01-(	BF140248.D	05 Nov 2024 20:07	LOD-MDL-WATER- 4 ppm	RC/JU	Ok,M
20	P4368-07	LOD-MDL-WATER-01-(	BF140249.D	05 Nov 2024 20:34	LOD-MDL-WATER- 8 ppm	RC/JU	Ok,M
21	PB164369BL	PB164369BL	BF140250.D	05 Nov 2024 21:00		RC/JU	Ok
22	SSTDCCC040	SSTDCCC040EC	BF140251.D	05 Nov 2024 21:26		RC/JU	Ok

M : Manual Integration

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 # BF110724

Review By	yogesh	Review On	11/8/2024 3:38:09 AM		
Supervise By	mohammad	Supervise On	11/11/2024 12:23:52 AM		
SubDirectory	BF110724	HP Acquire Method	BNA_F	HP Processing Method	bf110524

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12326,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140260.D	07 Nov 2024 08:33		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140261.D	07 Nov 2024 08:59		RC/JU	Ok
3	PB164702BL	PB164702BL	BF140262.D	07 Nov 2024 09:28		RC/JU	Ok
4	PB164702BS	PB164702BS	BF140263.D	07 Nov 2024 09:54		RC/JU	Ok,M
5	P4701-01	BP-F3	BF140264.D	07 Nov 2024 10:28		RC/JU	Ok
6	P4693-05	BP-G4-WC	BF140265.D	07 Nov 2024 10:55		RC/JU	Ok
7	P4693-05MS	BP-G4-WCMS	BF140266.D	07 Nov 2024 11:21		RC/JU	Ok,M
8	P4693-05MSD	BP-G4-WCMSD	BF140267.D	07 Nov 2024 11:48		RC/JU	Ok,M
9	P4701-05	BP-F4	BF140268.D	07 Nov 2024 12:14		RC/JU	Ok
10	P4697-01	TP-1	BF140269.D	07 Nov 2024 12:40		RC/JU	Ok
11	P4718-01	WB-307-SB01	BF140270.D	07 Nov 2024 13:07		RC/JU	Ok
12	P4718-02	WB-307-SB02	BF140271.D	07 Nov 2024 13:33		RC/JU	Ok
13	P4718-02MS	WB-307-SB02MS	BF140272.D	07 Nov 2024 14:00		RC/JU	Ok,M
14	P4718-02MSD	WB-307-SB02MSD	BF140273.D	07 Nov 2024 14:27		RC/JU	Ok,M
15	P4693-01	BP-G5-WC	BF140274.D	07 Nov 2024 14:53		RC/JU	Ok,M
16	P4695-01	Z-01	BF140275.D	07 Nov 2024 15:20	Need 5X Dilution.	RC/JU	Dilution
17	P4707-01	HD-02-110424	BF140276.D	07 Nov 2024 15:46		RC/JU	Ok,M
18	P4719-01	BAYAVE-STOCKPILE	BF140277.D	07 Nov 2024 16:13		RC/JU	Ok

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 # BF110724

Review By	yogesh	Review On	11/8/2024 3:38:09 AM		
Supervise By	mohammad	Supervise On	11/11/2024 12:23:52 AM		
SubDirectory	BF110724	HP Acquire Method	BNA_F	HP Processing Method	bf110524

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12326,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4694-05	Z-04	BF140278.D	07 Nov 2024 16:39	Internal Standard Fail	RC/JU	ReRun
20	P4720-01	JC-701-COMP-01	BF140279.D	07 Nov 2024 17:06	Internal Standard and Surrogate Fail, Need 2X Dilution	RC/JU	Dilution
21	P4722-13	WC-3(0-6)	BF140280.D	07 Nov 2024 17:32	Internal Standard Fail	RC/JU	Ok,M
22	P4695-01DL	Z-01DL	BF140281.D	07 Nov 2024 17:59	Internal Standard Fail	RC/JU	Not Ok
23	P4734-01	EO-03-11062024	BF140282.D	07 Nov 2024 18:25		RC/JU	Ok,M
24	P4694-01	Z-03A	BF140283.D	07 Nov 2024 18:51	Internal Standard Fail, Need 2X Dilution	RC/JU	Dilution
25	P4700-01	MH-8	BF140284.D	07 Nov 2024 19:18	Internal Standard Fail	RC/JU	Ok,M

M : Manual Integration

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 # BF111324

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

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

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

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 # BF111324

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

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

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

M : Manual Integration

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 # BF111424

Review By	yogesh	Review On	11/15/2024 5:15:55 AM		
Supervise By	mohammad	Supervise On	11/15/2024 5:49:37 AM		
SubDirectory	BF111424	HP Acquire Method	BNA_F	HP Processing Method	Bf111324

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140350.D	14 Nov 2024 08:47		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140351.D	14 Nov 2024 09:42		RC/JU	Ok
3	PB164908BL	PB164908BL	BF140352.D	14 Nov 2024 10:08		RC/JU	Ok
4	PB164911BS	PB164911BS	BF140353.D	14 Nov 2024 10:34		RC/JU	Ok,M
5	PB164911BSD	PB164911BSD	BF140354.D	14 Nov 2024 11:01		RC/JU	Ok,M
6	PB164911BL	PB164911BL	BF140355.D	14 Nov 2024 11:27		RC/JU	Ok
7	P3845-06DL	PT-ACIDS-WPDL	BF140356.D	14 Nov 2024 11:54		RC/JU	Ok
8	P4762-02	EFF-WW	BF140357.D	14 Nov 2024 13:03		RC/JU	Ok
9	P4792-03	OILY-STONE-DRUM	BF140358.D	14 Nov 2024 13:29		RC/JU	Ok
10	P4837-03	3TRK-STONE	BF140359.D	14 Nov 2024 13:55		RC/JU	Ok
11	P4834-03	SLP-1-STONE	BF140360.D	14 Nov 2024 14:21		RC/JU	Ok
12	P4779-01	SOIL-01	BF140361.D	14 Nov 2024 14:47		RC/JU	Ok
13	P4838-03	T1-STONE	BF140362.D	14 Nov 2024 15:13		RC/JU	Ok
14	P4718-04	WB-307-SW	BF140363.D	14 Nov 2024 15:39		RC/JU	Ok
15	P4812-01	RBR200035	BF140364.D	14 Nov 2024 16:04		RC/JU	Ok
16	DFTPP	DFTPP	BF140365.D	14 Nov 2024 16:35		RC/JU	Ok
17	SSTDCCC040	SSTDCCC040	BF140366.D	14 Nov 2024 17:02		RC/JU	Ok
18	PB164846BL	PB164846BL	BF140367.D	14 Nov 2024 17:28		RC/JU	Ok

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 # BF111424

Review By	yogesh	Review On	11/15/2024 5:15:55 AM		
Supervise By	mohammad	Supervise On	11/15/2024 5:49:37 AM		
SubDirectory	BF111424	HP Acquire Method	BNA_F	HP Processing Method	Bf111324

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

19	P4722-10	WC-2(0-6)	BF140368.D	14 Nov 2024 17:59		RC/JU	Ok
20	P4722-15	WC-3(0-6)	BF140369.D	14 Nov 2024 18:25		RC/JU	Ok
21	P4791-02	HINCHMAN-OILY-WAT	BF140370.D	14 Nov 2024 18:51	Internal Standard Fail	RC/JU	Ok
22	P4792-04	MANHOLE-WASTE-DR	BF140371.D	14 Nov 2024 19:17		RC/JU	Ok
23	P4788-01	BP-G3	BF140372.D	14 Nov 2024 19:43		RC/JU	Ok
24	P4788-01MS	BP-G3MS	BF140373.D	14 Nov 2024 20:09		RC/JU	Ok
25	P4788-01MSD	BP-G3MSD	BF140374.D	14 Nov 2024 20:35		RC/JU	Ok
26	P4796-05RE	TP-3RE	BF140375.D	14 Nov 2024 21:01	Fax is already given	RC/JU	Confirms
27	P4796-01RE	TP-1RE	BF140376.D	14 Nov 2024 21:28	Fax is already given	RC/JU	Confirms
28	P4722-08DL	WC-2(0-6)DL	BF140377.D	14 Nov 2024 21:54		RC/JU	Ok,M
29	P4768-06DL	B-6-2DL	BF140378.D	14 Nov 2024 22:20		RC/JU	Ok,M
30	P4739-09DL	BP-B2DL	BF140379.D	14 Nov 2024 22:47		RC/JU	Ok
31	P4795-01RE	LAW-23-00189RE	BF140380.D	14 Nov 2024 23:13	Fax is already given	RC/JU	Confirms
32	P4811-01RE	RB24008RE	BF140381.D	14 Nov 2024 23:39	Internal Standard Fail	RC/JU	Confirms
33	P4816-01RE	331RE	BF140382.D	15 Nov 2024 00:05	Fax is already given	RC/JU	Confirms
34	P4807-05	BF-F14	BF140383.D	15 Nov 2024 00:32		RC/JU	Ok
35	P4807-05MS	BF-F14MS	BF140384.D	15 Nov 2024 00:58		RC/JU	Ok
36	P4807-05MSD	BF-F14MSD	BF140385.D	15 Nov 2024 01:24		RC/JU	Ok
37	P4807-01	TP-7	BF140386.D	15 Nov 2024 01:49		RC/JU	Ok

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 # BF111424

Review By	yogesh	Review On	11/15/2024 5:15:55 AM		
Supervise By	mohammad	Supervise On	11/15/2024 5:49:37 AM		
SubDirectory	BF111424	HP Acquire Method	BNA_F	HP Processing Method	Bf111324

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

38	P4798-01	MH-6	BF140387.D	15 Nov 2024 02:16	Need 2X Dilution	RC/JU	Dilution
39	P4789-01	BP-F21	BF140388.D	15 Nov 2024 02:42		RC/JU	Ok
40	P4793-01	M00-24-00345	BF140389.D	15 Nov 2024 03:08		RC/JU	Confirms

M : Manual Integration

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 # BF111824

Review By	yogesh	Review On	11/19/2024 3:20:55 AM		
Supervise By	mohammad	Supervise On	11/19/2024 3:30:54 AM		
SubDirectory	BF111824	HP Acquire Method	BNA_F	HP Processing Method	Bf111324

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140442.D	18 Nov 2024 09:18		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140443.D	18 Nov 2024 10:13		RC/JU	Ok,M
3	PB165029BL	PB165029BL	BF140444.D	18 Nov 2024 10:39		RC/JU	Ok
4	PB165029BS	PB165029BS	BF140445.D	18 Nov 2024 11:05		RC/JU	Ok,M
5	PB164846BS	PB164846BS	BF140446.D	18 Nov 2024 11:32		RC/JU	Ok,M
6	PB164846BSD	PB164846BSD	BF140447.D	18 Nov 2024 11:58		RC/JU	Ok,M
7	PB164940BL	PB164940BL	BF140448.D	18 Nov 2024 12:24		RC/JU	Ok
8	PB164940BS	PB164940BS	BF140449.D	18 Nov 2024 12:50		RC/JU	Ok,M
9	PB164965BL	PB164965BL	BF140450.D	18 Nov 2024 13:16		RC/JU	Ok
10	PB164965BS	PB164965BS	BF140451.D	18 Nov 2024 13:43		RC/JU	Ok,M
11	PB164969BS	PB164969BS	BF140452.D	18 Nov 2024 14:19		RC/JU	Ok,M
12	PB164969BL	PB164969BL	BF140453.D	18 Nov 2024 14:45		RC/JU	Ok
13	PB164880TB	PB164880TB	BF140454.D	18 Nov 2024 15:11		RC/JU	Ok
14	DFTPP	DFTPP	BF140455.D	18 Nov 2024 15:48		RC/JU	Ok
15	SSTDCCC040	SSTDCCC040	BF140456.D	18 Nov 2024 16:14		RC/JU	Ok,M
16	PB164944TB	PB164944TB	BF140457.D	18 Nov 2024 16:40		RC/JU	Ok
17	P4821-04RE	BP-F-24RE	BF140458.D	18 Nov 2024 17:13	Surrogate Fail	RC/JU	Confirms
18	P4861-01	WC-11-A-202411	BF140459.D	18 Nov 2024 17:40		RC/JU	Ok

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 # BF111824

Review By	yogesh	Review On	11/19/2024 3:20:55 AM		
Supervise By	mohammad	Supervise On	11/19/2024 3:30:54 AM		
SubDirectory	BF111824	HP Acquire Method	BNA_F	HP Processing Method	Bf111324

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

19	P4871-01	WC-10-A-202411	BF140460.D	18 Nov 2024 18:06		RC/JU	Ok
20	P4848-02	TP-1	BF140461.D	18 Nov 2024 18:32		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB164702

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	11/06/2024
Matrix :	Solid			**Extraction Start Time :**	09:45
Weigh By:	RJ	**Extraction By:**	RJ	**Extraction End Date :**	11/06/2024
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	13:00
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	RS
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	rajesh

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

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

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2538
Baked Na2SO4	N/A	EP2556
Sand	N/A	E2865
Methylene Chloride	N/A	E3823
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	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/6/24	RP (Ext. Lab)	AC/SVOC
13:05	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB164702

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 11/06/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164702BL	SBLK702	SVOC-TCL BNA -20	30.03	N/A	ritesh	RUPESH	1			U5-1
PB164702BS	SLCS702	SVOC-TCL BNA -20	30.01	N/A	ritesh	RUPESH	1			2
P4706-01	TR-04-110424	SVOC-TCL BNA -20	50.08	N/A	ritesh	RUPESH	1	D		3
P4707-01	HD-02-110424	SVOC-TCL BNA -20	50.03	N/A	ritesh	RUPESH	1	D		4
P4708-01	OR-02-110424	SVOC-TCL BNA -20	50.01	N/A	ritesh	RUPESH	1	D		5
P4709-01	HR-02-110424	SVOC-TCL BNA -20	50.04	N/A	ritesh	RUPESH	1	D		6
P4709-03	HR-03-110424	SVOC-TCL BNA -20	50.09	N/A	ritesh	RUPESH	1	D		U6-1
P4718-01	WB-307-SB01	SVOC-TCL BNA -20	30.03	N/A	ritesh	RUPESH	1	E		2
P4718-02	WB-307-SB02	SVOC-TCL BNA -20	30.08	N/A	ritesh	RUPESH	1	E		3
P4718-02MS	WB-307-SB02MS	SVOC-TCL BNA -20	30.02	N/A	ritesh	RUPESH	1	E		4
P4718-02MSD	WB-307-SB02MSD	SVOC-TCL BNA -20	30.04	N/A	ritesh	RUPESH	1	E		5
P4719-01	BAYAVE-STOCKPILE	SVOC-TCL BNA -20	50.06	N/A	ritesh	RUPESH	1	E		6

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

11/6/24

10470 2
9:45

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4709 **WorkList ID :** 185156 **Department :** Extraction **Date :** 11-06-2024 08:19:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4706-01	TR-04-110424	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	L23	11/04/2024	8270E
P4707-01	HD-02-110424	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	L23	11/04/2024	8270E
P4708-01	OR-02-110424	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	L23	11/04/2024	8270E
P4709-01	HR-02-110424	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	L23	11/04/2024	8270E
P4709-03	HR-03-110424	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	L23	11/04/2024	8270E
P4718-01	WB-307-SB01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L21	11/04/2024	8270E
P4718-02	WB-307-SB02	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L21	11/04/2024	8270E
P4719-01	BAYAVE-STOCKPILE	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	K21	11/05/2024	8270E

Date/Time 11/6/24 9:40
Raw Sample Received by: RJ (Eurofins Eaton Analytical)
Raw Sample Relinquished by:

Date/Time 11/6/24 10:10
Raw Sample Received by:
Raw Sample Relinquished by: RJ (Eurofins Eaton Analytical)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB164846

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

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3574

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date : 11/09/2024

Extraction Start Time : 08:38

Extraction End Date : 11/09/2024

Extraction End Time : 15:35

Concentration By: EH

Supervisor By : rajesh

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

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

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3817
Baked Na2SO4	N/A	EP2551
10N NaoH	N/A	EP2550
H2SO4 1:1	N/A	EP2548
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210673. pH Adjusted<2 with 1:1 H2SO4 & >11 with 10 N NaOH. P4718-004 Limited volume recd.

KD Bath ID: Water bath -01,02

KD Bath Temperature: 60 °C

Envap ID: NE VAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/9/24	RP (Ext. Lab)	RC/SVOC
15:40	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB164846

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

Concentration Date: 11/09/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164846BL	SBLK846	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1			SEP-01
PB164846BS	SLCS846	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1			2
PB164846BSD	SLCSD846	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1			3
P4718-04	WB-307-SW	SVOC-TCL BNA -20	450	6	RUPESH	rajesh	0.5	E		4
P4791-02	HINCHMAN-OILY-WATER	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1	Q		5
P4792-04	MANHOLE-WASTE-DRUMS	SVOC-TCL BNA -20	980	6	RUPESH	rajesh	1	K		

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

4/9/24

1604846
9:38

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4792 **WorkList ID :** 185307 **Department :** Extraction **Date :** 11-09-2024 08:26:59

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4718-04	WB-307-SW	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L21	11/04/2024	8270E
P4791-02	HINCHMAN-OILY-WATER	Water	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L23	11/08/2024	8270E
P4792-04	MANHOLE-WASTE-DRUMS	Water	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L21	11/08/2024	8270E

Date/Time 11/10/24 8:35
Raw Sample Received by: RJ (Ext Lab)
Raw Sample Relinquished by: RS (B4 Lab)

Date/Time 11/10/24 9:05
Raw Sample Received by: RS (Ext Lab)
Raw Sample Relinquished by: RJ (Ext Lab)

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

LAB CHRONICLE

OrderID:	P4718	**OrderDate:**	11/5/2024 1:31:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	**Location:**	L21,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4718-01	**WB-307-SB01**	**SOIL**			**11/04/24**			**11/05/24**
			SVOC-TCL BNA -20	8270E		11/06/24	11/07/24	
P4718-02	**WB-307-SB02**	**SOIL**			**11/04/24**			**11/05/24**
			SVOC-TCL BNA -20	8270E		11/06/24	11/07/24	
P4718-03	**WB-307-SB02**	**TCLP**			**11/04/24**			**11/05/24**
			TCLP BNA	8270E		11/07/24	11/11/24	
P4718-04	**WB-307-SW**	**Water**			**11/04/24**			**11/05/24**
			SVOC-TCL BNA -20	8270E		11/09/24	11/14/24	