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

Hit Summary Sheet
SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : B-110-SB01									
Q1194-01	B-110-SB01	SOIL	Benzophenone	*	130.000	J	0	0	ug/Kg
Q1194-01	B-110-SB01	SOIL	Hexanedioic acid, bis(2-ethylhexy	*	200.000	J	0	0	ug/Kg
Q1194-01	B-110-SB01	SOIL	n-Hexadecanoic acid	*	170.000	J	0	0	ug/Kg
Q1194-01	B-110-SB01	SOIL	Propane, 1,1-dimethoxy-	*	90.800	JB	0	0	ug/Kg
Q1194-01	B-110-SB01	SOIL	unknown2.346	*	160.000	J	0	0	ug/Kg
			Total Tics :		**750.80**				
			Total Concentration:		**750.80**				
Client ID : B-110-SB02									
Q1194-02	B-110-SB02	SOIL	Benzophenone	*	140.000	J	0	0	ug/Kg
Q1194-02	B-110-SB02	SOIL	Eicosane	*	140.000	J	0	0	ug/Kg
Q1194-02	B-110-SB02	SOIL	Hexanedioic acid, dioctyl ester	*	500.000	J	0	0	ug/Kg
Q1194-02	B-110-SB02	SOIL	n-Hexadecanoic acid	*	230.000	J	0	0	ug/Kg
Q1194-02	B-110-SB02	SOIL	Propane, 1,1-dimethoxy-	*	130.000	JB	0	0	ug/Kg
Q1194-02	B-110-SB02	SOIL	unknown13.869	*	130.000	J	0	0	ug/Kg
Q1194-02	B-110-SB02	SOIL	unknown16.739	*	140.000	J	0	0	ug/Kg
			Total Tics :		**1,410.00**				
			Total Concentration:		**1,410.00**				
Client ID : B-113-SB01									
Q1194-03	B-113-SB01	SOIL	Fluorene		110.000	J	98.4	200	ug/Kg
Q1194-03	B-113-SB01	SOIL	Phenanthrene		820.000		96.6	200	ug/Kg
Q1194-03	B-113-SB01	SOIL	Anthracene		180.000	J	97.1	200	ug/Kg
Q1194-03	B-113-SB01	SOIL	Fluoranthene		600.000		94	200	ug/Kg
Q1194-03	B-113-SB01	SOIL	Pyrene		430.000		95.5	200	ug/Kg
Q1194-03	B-113-SB01	SOIL	Benzo(a)anthracene		230.000		92.8	200	ug/Kg
Q1194-03	B-113-SB01	SOIL	Chrysene		200.000		91.5	200	ug/Kg
Q1194-03	B-113-SB01	SOIL	Benzo(b)fluoranthene		180.000	J	93.3	200	ug/Kg
Q1194-03	B-113-SB01	SOIL	Benzo(a)pyrene		170.000	J	110	200	ug/Kg
			Total Svoc :		**2,920.00**				
Q1194-03	B-113-SB01	SOIL	9,10-Dimethylanthracene	*	82.800	J	0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	Benzaldehyde, 3,5-dichloro-2-hyd	*	300.000	J	0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	Benzo[e]pyrene	*	95.100	J	0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	Benzophenone	*	190.000	J	0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	Dibenzo[def,mno]chrysene	*	86.700	J	0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	Naphthalene, 2-phenyl-	*	130.000	J	0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	Phenanthrene, 1-methyl-	*	150.000	J	0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	Phenanthrene, 2-methyl-	*	150.000	J	0	0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q1194-03	B-113-SB01	SOIL	Propane, 1,1-dimethoxy-	*	120.000	JB	0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	Pyrene, 1-methyl-	*	92.800	J	0	0	ug/Kg
Q1194-03	B-113-SB01	SOIL	unknown12.398	*	80.900	J	0	0	ug/Kg
			Total Tics :		**1,478.30**				
			Total Concentration:		**4,398.30**				
Client ID :	**B-113-SB02**								
Q1194-04	B-113-SB02	SOIL	Adipic acid, 2-ethylhexyl octyl es	*	280.000	J	0	0	ug/Kg
Q1194-04	B-113-SB02	SOIL	Benzophenone	*	200.000	J	0	0	ug/Kg
Q1194-04	B-113-SB02	SOIL	n-Hexadecanoic acid	*	380.000	J	0	0	ug/Kg
Q1194-04	B-113-SB02	SOIL	Propane, 1,1-dimethoxy-	*	160.000	JB	0	0	ug/Kg
			Total Tics :		**1,020.00**				
			Total Concentration:		**1,020.00**				
Client ID :	**EB**								
Q1194-08	EB	WATER	2-Propanol, 1-(2-methoxy-1-meth	*	3.200	J	0	0	ug/L
Q1194-08	EB	WATER	Benzophenone	*	2.100	J	0	0	ug/L
Q1194-08	EB	WATER	n-Hexadecanoic acid	*	14.700	J	0	0	ug/L
Q1194-08	EB	WATER	Octadecanoic acid	*	6.100	J	0	0	ug/L
Q1194-08	EB	WATER	Trifluoroacetoxy hexadecane	*	3.800	J	0	0	ug/L
			Total Tics :		**29.90**				
			Total Concentration:		**29.90**				

SAMPLE DATA

Raw Data: **BF141349.D**

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

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141349.D	1	01/28/25 09:56	01/31/25 23:10	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	210	UQ	210	370	ug/Kg
108-95-2	Phenol	93.7	U	93.7	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	94.6	U	94.6	190	ug/Kg
95-57-8	2-Chlorophenol	94.3	U	94.3	190	ug/Kg
95-48-7	2-Methylphenol	91.1	U	91.1	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	190	ug/Kg
98-86-2	Acetophenone	98.2	U	98.2	190	ug/Kg
65794-96-9	3+4-Methylphenols	90.2	U	90.2	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	45.5	U	45.5	90.4	ug/Kg
67-72-1	Hexachloroethane	93.8	U	93.8	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	190	ug/Kg
78-59-1	Isophorone	95.6	U	95.6	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	96.9	U	96.9	190	ug/Kg
120-83-2	2,4-Dichlorophenol	85.3	U	85.3	190	ug/Kg
91-20-3	Naphthalene	93.3	U	93.3	190	ug/Kg
106-47-8	4-Chloroaniline	93.3	UQ	93.3	190	ug/Kg
87-68-3	Hexachlorobutadiene	94.1	U	94.1	190	ug/Kg
105-60-2	Caprolactam	98.1	U	98.1	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	87.6	U	87.6	190	ug/Kg
91-57-6	2-Methylnaphthalene	93.2	U	93.2	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	UQ	180	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	80.7	U	80.7	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	83.6	U	83.6	190	ug/Kg
92-52-4	1,1-Biphenyl	98.8	U	98.8	190	ug/Kg
91-58-7	2-Chloronaphthalene	94.1	U	94.1	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	190	ug/Kg
131-11-3	Dimethylphthalate	92.3	U	92.3	190	ug/Kg

Raw Data: **BF141349.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141349.D	1	01/28/25 09:56	01/31/25 23:10	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	97.7	U	97.7	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	94.0	U	94.0	190	ug/Kg
99-09-2	3-Nitroaniline	100	UQ	100	190	ug/Kg
83-32-9	Acenaphthene	91.6	U	91.6	190	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	370	ug/Kg
132-64-9	Dibenzofuran	95.4	U	95.4	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	97.4	U	97.4	190	ug/Kg
84-66-2	Diethylphthalate	90.5	U	90.5	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	96.7	U	96.7	190	ug/Kg
86-73-7	Fluorene	96.6	U	96.6	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	92.2	U	92.2	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	89.1	U	89.1	190	ug/Kg
118-74-1	Hexachlorobenzene	96.0	U	96.0	190	ug/Kg
1912-24-9	Atrazine	100	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	87.3	U	87.3	370	ug/Kg
85-01-8	Phenanthrene	94.9	U	94.9	190	ug/Kg
120-12-7	Anthracene	95.4	U	95.4	190	ug/Kg
86-74-8	Carbazole	90.7	U	90.7	190	ug/Kg
84-74-2	Di-n-butylphthalate	95.2	U	95.2	190	ug/Kg
206-44-0	Fluoranthene	92.3	U	92.3	190	ug/Kg
129-00-0	Pyrene	93.8	U	93.8	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	UQ	110	370	ug/Kg
56-55-3	Benzo(a)anthracene	91.2	U	91.2	190	ug/Kg
218-01-9	Chrysene	89.8	U	89.8	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	91.6	U	91.6	190	ug/Kg

Raw Data: **BF141349.D**

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

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141349.D	1	01/28/25 09:56	01/31/25 23:10	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	93.3	U	93.3	190	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	88.2	U	88.2	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	91.7	U	91.7	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	90.5	U	90.5	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	98.1	U	98.1	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	84.4	U	84.4	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	87.7		30 (18) - 130 (112)	58%	SPK: 150
13127-88-3	Phenol-d6	84.9		30 (15) - 130 (107)	57%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.0		30 (18) - 130 (107)	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	59.4		30 (20) - 130 (109)	59%	SPK: 100
118-79-6	2,4,6-Tribromophenol	81.0		30 (10) - 130 (116)	54%	SPK: 150
1718-51-0	Terphenyl-d14	46.2		30 (10) - 130 (105)	46%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	146000	6.798			
1146-65-2	Naphthalene-d8	588000	8.081			
15067-26-2	Acenaphthene-d10	300000	9.834			
1517-22-2	Phenanthrene-d10	443000	11.322			
1719-03-5	Chrysene-d12	301000	13.963			
1520-96-3	Perylene-d12	270000	15.416			
TENTATIVE IDENTIFIED COMPOUNDS						
004744-10-9	Propane, 1,1-dimethoxy-	90.8	JB		2.16	ug/Kg
	unknown2.346	160	J		2.35	ug/Kg
000119-61-9	Benzophenone	130	J		10.5	ug/Kg
000057-10-3	n-Hexadecanoic acid	170	J		11.9	ug/Kg
000103-23-1	Hexanedioic acid, bis(2-ethylhexyl	200	J		13.5	ug/Kg

Raw Data: **BF141349.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141349.D	1	01/28/25 09:56	01/31/25 23:10	PB166294

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: **BF141350.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	57
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
BF141350.D	1	01/28/25 09:56	01/31/25 23:37	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	320	UQ	320	580	ug/Kg
108-95-2	Phenol	150	U	150	300	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	150	300	ug/Kg
95-57-8	2-Chlorophenol	150	U	150	300	ug/Kg
95-48-7	2-Methylphenol	140	U	140	300	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	160	U	160	300	ug/Kg
98-86-2	Acetophenone	150	U	150	300	ug/Kg
65794-96-9	3+4-Methylphenols	140	U	140	580	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	70.6	U	70.6	140	ug/Kg
67-72-1	Hexachloroethane	150	U	150	300	ug/Kg
98-95-3	Nitrobenzene	160	U	160	300	ug/Kg
78-59-1	Isophorone	150	U	150	300	ug/Kg
88-75-5	2-Nitrophenol	170	U	170	300	ug/Kg
105-67-9	2,4-Dimethylphenol	160	U	160	300	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	150	300	ug/Kg
120-83-2	2,4-Dichlorophenol	130	U	130	300	ug/Kg
91-20-3	Naphthalene	140	U	140	300	ug/Kg
106-47-8	4-Chloroaniline	140	UQ	140	300	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	150	300	ug/Kg
105-60-2	Caprolactam	150	U	150	580	ug/Kg
59-50-7	4-Chloro-3-methylphenol	140	U	140	300	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	140	300	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	UQ	270	580	ug/Kg
88-06-2	2,4,6-Trichlorophenol	130	U	130	300	ug/Kg
95-95-4	2,4,5-Trichlorophenol	130	U	130	300	ug/Kg
92-52-4	1,1-Biphenyl	150	U	150	300	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	150	300	ug/Kg
88-74-4	2-Nitroaniline	170	U	170	300	ug/Kg
131-11-3	Dimethylphthalate	140	U	140	300	ug/Kg

Raw Data: **BF141350.D**

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

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	57
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
BF141350.D	1	01/28/25 09:56	01/31/25 23:37	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	150	U	150	300	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	150	300	ug/Kg
99-09-2	3-Nitroaniline	160	UQ	160	300	ug/Kg
83-32-9	Acenaphthene	140	U	140	300	ug/Kg
51-28-5	2,4-Dinitrophenol	430	U	430	580	ug/Kg
100-02-7	4-Nitrophenol	200	U	200	580	ug/Kg
132-64-9	Dibenzofuran	150	U	150	300	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	150	300	ug/Kg
84-66-2	Diethylphthalate	140	U	140	300	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	150	300	ug/Kg
86-73-7	Fluorene	150	U	150	300	ug/Kg
100-01-6	4-Nitroaniline	190	U	190	300	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	210	U	210	580	ug/Kg
86-30-6	n-Nitrosodiphenylamine	140	U	140	300	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	140	300	ug/Kg
118-74-1	Hexachlorobenzene	150	U	150	300	ug/Kg
1912-24-9	Atrazine	160	U	160	300	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	580	ug/Kg
85-01-8	Phenanthrene	150	U	150	300	ug/Kg
120-12-7	Anthracene	150	U	150	300	ug/Kg
86-74-8	Carbazole	140	U	140	300	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	150	300	ug/Kg
206-44-0	Fluoranthene	140	U	140	300	ug/Kg
129-00-0	Pyrene	150	U	150	300	ug/Kg
85-68-7	Butylbenzylphthalate	170	U	170	300	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	UQ	170	580	ug/Kg
56-55-3	Benzo(a)anthracene	140	U	140	300	ug/Kg
218-01-9	Chrysene	140	U	140	300	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160	U	160	300	ug/Kg
117-84-0	Di-n-octyl phthalate	190	U	190	580	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	U	140	300	ug/Kg

Raw Data: **BF141350.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	57
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
BF141350.D	1	01/28/25 09:56	01/31/25 23:37	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	140	U	140	300	ug/Kg
50-32-8	Benzo(a)pyrene	160	U	160	300	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	140	300	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	140	300	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	U	140	300	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	150	300	ug/Kg
123-91-1	1,4-Dioxane	190	U	190	300	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	130	U	130	300	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	73.0		30 (18) - 130 (112)	49%	SPK: 150
13127-88-3	Phenol-d6	69.9		30 (15) - 130 (107)	47%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.9		30 (18) - 130 (107)	48%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.0		30 (20) - 130 (109)	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	61.9		30 (10) - 130 (116)	41%	SPK: 150
1718-51-0	Terphenyl-d14	35.0		30 (10) - 130 (105)	35%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	149000	6.798			
1146-65-2	Naphthalene-d8	594000	8.081			
15067-26-2	Acenaphthene-d10	307000	9.834			
1517-22-2	Phenanthrene-d10	442000	11.322			
1719-03-5	Chrysene-d12	305000	13.963			
1520-96-3	Perylene-d12	279000	15.416			
TENTATIVE IDENTIFIED COMPOUNDS						
004744-10-9	Propane, 1,1-dimethoxy-	130	JB		2.15	ug/Kg
000119-61-9	Benzophenone	140	J		10.5	ug/Kg
000057-10-3	n-Hexadecanoic acid	230	J		11.9	ug/Kg
000123-79-5	Hexanedioic acid, dioctyl ester	500	J		13.5	ug/Kg
	unknown13.869	130	J		13.9	ug/Kg
000112-95-8	Eicosane	140	J		15.1	ug/Kg
	unknown16.739	140	J		16.7	ug/Kg

Raw Data: **BF141350.D**

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

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-110-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	57
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
BF141350.D	1	01/28/25 09:56	01/31/25 23:37	PB166294

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: **BF141424.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.9
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
BF141424.D	1	01/28/25 09:56	02/04/25 22:11	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	210	UQ	210	380	ug/Kg
108-95-2	Phenol	95.4	U	95.4	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	96.3	U	96.3	200	ug/Kg
95-57-8	2-Chlorophenol	96.1	U	96.1	200	ug/Kg
95-48-7	2-Methylphenol	92.7	U	92.7	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	200	ug/Kg
98-86-2	Acetophenone	100	U	100	200	ug/Kg
65794-96-9	3+4-Methylphenols	91.8	U	91.8	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	46.4	U	46.4	92.0	ug/Kg
67-72-1	Hexachloroethane	95.5	U	95.5	200	ug/Kg
98-95-3	Nitrobenzene	100	U	100	200	ug/Kg
78-59-1	Isophorone	97.3	U	97.3	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	200	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	98.7	U	98.7	200	ug/Kg
120-83-2	2,4-Dichlorophenol	86.9	U	86.9	200	ug/Kg
91-20-3	Naphthalene	95.0	U	95.0	200	ug/Kg
106-47-8	4-Chloroaniline	95.0	UQ	95.0	200	ug/Kg
87-68-3	Hexachlorobutadiene	95.8	U	95.8	200	ug/Kg
105-60-2	Caprolactam	99.9	U	99.9	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	89.2	U	89.2	200	ug/Kg
91-57-6	2-Methylnaphthalene	94.9	U	94.9	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	UQ	180	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	82.1	U	82.1	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	85.1	U	85.1	200	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	200	ug/Kg
91-58-7	2-Chloronaphthalene	95.8	U	95.8	200	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	200	ug/Kg
131-11-3	Dimethylphthalate	94.0	U	94.0	200	ug/Kg

Raw Data: **BF141424.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.9
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
BF141424.D	1	01/28/25 09:56	02/04/25 22:11	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	99.5	U	99.5	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	95.7	U	95.7	200	ug/Kg
99-09-2	3-Nitroaniline	100	UQ	100	200	ug/Kg
83-32-9	Acenaphthene	93.3	U	93.3	200	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	380	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	380	ug/Kg
132-64-9	Dibenzofuran	97.1	U	97.1	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.2	U	99.2	200	ug/Kg
84-66-2	Diethylphthalate	92.1	U	92.1	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	98.5	U	98.5	200	ug/Kg
86-73-7	Fluorene	110	J	98.4	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.9	U	93.9	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	90.8	U	90.8	200	ug/Kg
118-74-1	Hexachlorobenzene	97.8	U	97.8	200	ug/Kg
1912-24-9	Atrazine	110	U	110	200	ug/Kg
87-86-5	Pentachlorophenol	88.9	U	88.9	380	ug/Kg
85-01-8	Phenanthrene	820		96.6	200	ug/Kg
120-12-7	Anthracene	180	J	97.1	200	ug/Kg
86-74-8	Carbazole	92.4	U	92.4	200	ug/Kg
84-74-2	Di-n-butylphthalate	97.0	U	97.0	200	ug/Kg
206-44-0	Fluoranthene	600		94.0	200	ug/Kg
129-00-0	Pyrene	430		95.5	200	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	UQ	110	380	ug/Kg
56-55-3	Benzo(a)anthracene	230		92.8	200	ug/Kg
218-01-9	Chrysene	200		91.5	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	200	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	180	J	93.3	200	ug/Kg

Raw Data: **BF141424.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.9
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
BF141424.D	1	01/28/25 09:56	02/04/25 22:11	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	95.0	U	95.0	200	ug/Kg
50-32-8	Benzo(a)pyrene	170	J	110	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	89.8	U	89.8	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	93.4	U	93.4	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.1	U	92.1	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	99.9	U	99.9	200	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	85.9	U	85.9	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	110		30 (18) - 130 (112)	74%	SPK: 150
13127-88-3	Phenol-d6	106		30 (15) - 130 (107)	70%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.3		30 (18) - 130 (107)	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.1		30 (20) - 130 (109)	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	107		30 (10) - 130 (116)	71%	SPK: 150
1718-51-0	Terphenyl-d14	60.0		30 (10) - 130 (105)	60%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	70300	6.787			
1146-65-2	Naphthalene-d8	280000	8.069			
15067-26-2	Acenaphthene-d10	156000	9.822			
1517-22-2	Phenanthrene-d10	273000	11.31			
1719-03-5	Chrysene-d12	230000	13.951			
1520-96-3	Perylene-d12	197000	15.41			
TENTATIVE IDENTIFIED COMPOUNDS						
004744-10-9	Propane, 1,1-dimethoxy-	120	JB		2.13	ug/Kg
000119-61-9	Benzophenone	190	J		10.5	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	150	J		11.8	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	150	J		11.8	ug/Kg
000090-60-8	Benzaldehyde, 3,5-dichloro-2-hydro	300	J		11.9	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	130	J		12.1	ug/Kg
000781-43-1	9,10-Dimethylanthracene	82.8	J		12.4	ug/Kg

Raw Data: **BF141424.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB01	SDG No.:	Q1194
Lab Sample ID:	Q1194-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.9
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
BF141424.D	1	01/28/25 09:56	02/04/25 22:11	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
	unknown12.398	80.9	J		12.4	ug/Kg
002381-21-7	Pyrene, 1-methyl-	92.8	J		13.1	ug/Kg
000192-97-2	Benzo[e]pyrene	95.1	J		15.3	ug/Kg
000191-26-4	Dibenzo[def,mno]chrysene	86.7	J		16.8	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: **BF141351.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141351.D	1	01/28/25 09:56	02/01/25 00:03	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	280	UQ	280	510	ug/Kg
108-95-2	Phenol	130	U	130	260	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	260	ug/Kg
95-57-8	2-Chlorophenol	130	U	130	260	ug/Kg
95-48-7	2-Methylphenol	120	U	120	260	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	140	260	ug/Kg
98-86-2	Acetophenone	130	U	130	260	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	510	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	62.2	U	62.2	120	ug/Kg
67-72-1	Hexachloroethane	130	U	130	260	ug/Kg
98-95-3	Nitrobenzene	140	U	140	260	ug/Kg
78-59-1	Isophorone	130	U	130	260	ug/Kg
88-75-5	2-Nitrophenol	150	U	150	260	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	140	260	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	260	ug/Kg
120-83-2	2,4-Dichlorophenol	120	U	120	260	ug/Kg
91-20-3	Naphthalene	130	U	130	260	ug/Kg
106-47-8	4-Chloroaniline	130	UQ	130	260	ug/Kg
87-68-3	Hexachlorobutadiene	130	U	130	260	ug/Kg
105-60-2	Caprolactam	130	U	130	510	ug/Kg
59-50-7	4-Chloro-3-methylphenol	120	U	120	260	ug/Kg
91-57-6	2-Methylnaphthalene	130	U	130	260	ug/Kg
77-47-4	Hexachlorocyclopentadiene	240	UQ	240	510	ug/Kg
88-06-2	2,4,6-Trichlorophenol	110	U	110	260	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	260	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	260	ug/Kg
91-58-7	2-Chloronaphthalene	130	U	130	260	ug/Kg
88-74-4	2-Nitroaniline	150	U	150	260	ug/Kg
131-11-3	Dimethylphthalate	130	U	130	260	ug/Kg

Raw Data: **BF141351.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141351.D	1	01/28/25 09:56	02/01/25 00:03	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	130	U	130	260	ug/Kg
606-20-2	2,6-Dinitrotoluene	130	U	130	260	ug/Kg
99-09-2	3-Nitroaniline	140	UQ	140	260	ug/Kg
83-32-9	Acenaphthene	130	U	130	260	ug/Kg
51-28-5	2,4-Dinitrophenol	370	U	370	510	ug/Kg
100-02-7	4-Nitrophenol	180	U	180	510	ug/Kg
132-64-9	Dibenzofuran	130	U	130	260	ug/Kg
121-14-2	2,4-Dinitrotoluene	130	U	130	260	ug/Kg
84-66-2	Diethylphthalate	120	U	120	260	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	130	U	130	260	ug/Kg
86-73-7	Fluorene	130	U	130	260	ug/Kg
100-01-6	4-Nitroaniline	170	U	170	260	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	180	U	180	510	ug/Kg
86-30-6	n-Nitrosodiphenylamine	130	U	130	260	ug/Kg
101-55-3	4-Bromophenyl-phenylether	120	U	120	260	ug/Kg
118-74-1	Hexachlorobenzene	130	U	130	260	ug/Kg
1912-24-9	Atrazine	140	U	140	260	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	510	ug/Kg
85-01-8	Phenanthrene	130	U	130	260	ug/Kg
120-12-7	Anthracene	130	U	130	260	ug/Kg
86-74-8	Carbazole	120	U	120	260	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	260	ug/Kg
206-44-0	Fluoranthene	130	U	130	260	ug/Kg
129-00-0	Pyrene	130	U	130	260	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	150	260	ug/Kg
91-94-1	3,3-Dichlorobenzidine	150	UQ	150	510	ug/Kg
56-55-3	Benzo(a)anthracene	120	U	120	260	ug/Kg
218-01-9	Chrysene	120	U	120	260	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	140	260	ug/Kg
117-84-0	Di-n-octyl phthalate	170	U	170	510	ug/Kg
205-99-2	Benzo(b)fluoranthene	130	U	130	260	ug/Kg

Raw Data: **BF141351.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141351.D	1	01/28/25 09:56	02/01/25 00:03	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	130	U	130	260	ug/Kg
50-32-8	Benzo(a)pyrene	140	U	140	260	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	U	120	260	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	130	U	130	260	ug/Kg
191-24-2	Benzo(g,h,i)perylene	120	U	120	260	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	130	U	130	260	ug/Kg
123-91-1	1,4-Dioxane	170	U	170	260	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	120	U	120	260	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	108		30 (18) - 130 (112)	72%	SPK: 150
13127-88-3	Phenol-d6	104		30 (15) - 130 (107)	69%	SPK: 150
4165-60-0	Nitrobenzene-d5	72.9		30 (18) - 130 (107)	73%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.9		30 (20) - 130 (109)	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	102		30 (10) - 130 (116)	68%	SPK: 150
1718-51-0	Terphenyl-d14	56.4		30 (10) - 130 (105)	56%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	148000	6.798			
1146-65-2	Naphthalene-d8	590000	8.081			
15067-26-2	Acenaphthene-d10	307000	9.833			
1517-22-2	Phenanthrene-d10	457000	11.321			
1719-03-5	Chrysene-d12	306000	13.962			
1520-96-3	Perylene-d12	277000	15.421			
TENTATIVE IDENTIFIED COMPOUNDS						
004744-10-9	Propane, 1,1-dimethoxy-	160	JB		2.16	ug/Kg
000119-61-9	Benzophenone	200	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	380	J		11.9	ug/Kg
1000324-48-6	Adipic acid, 2-ethylhexyl octyl es	280	J		13.5	ug/Kg

Raw Data: **BF141351.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02	SDG No.:	Q1194
Lab Sample ID:	Q1194-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141351.D	1	01/28/25 09:56	02/01/25 00:03	PB166294

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: **BF141367.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	EB	SDG No.:	Q1194
Lab Sample ID:	Q1194-08	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	500 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
BF141367.D	1	01/29/25 08:40	02/03/25 14:08	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	UQ	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	UQ	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	UQ	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: **BF141367.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	EB	SDG No.:	Q1194
Lab Sample ID:	Q1194-08	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	500 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
BF141367.D	1	01/29/25 08:40	02/03/25 14:08	PB166339

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	UQ	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	UQ	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: **BF141367.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	EB	SDG No.:	Q1194
Lab Sample ID:	Q1194-08	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	500 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
BF141367.D	1	01/29/25 08:40	02/03/25 14:08	PB166339

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	25.5		15 (10) - 110 (139)	34%	SPK: 75
13127-88-3	Phenol-d6	16.6		15 (10) - 110 (134)	22%	SPK: 75
4165-60-0	Nitrobenzene-d5	32.2		30 (49) - 130 (133)	64%	SPK: 50
321-60-8	2-Fluorobiphenyl	32.8		30 (52) - 130 (132)	66%	SPK: 50
118-79-6	2,4,6-Tribromophenol	52.9		15 (44) - 110 (137)	71%	SPK: 75
1718-51-0	Terphenyl-d14	35.1		30 (48) - 130 (125)	70%	SPK: 50
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	101000	6.793			
1146-65-2	Naphthalene-d8	410000	8.075			
15067-26-2	Acenaphthene-d10	228000	9.828			
1517-22-2	Phenanthrene-d10	407000	11.316			
1719-03-5	Chrysene-d12	332000	13.957			
1520-96-3	Perylene-d12	265000	15.41			
TENTATIVE IDENTIFIED COMPOUNDS						
020324-32-7	2-Propanol, 1-(2-methoxy-1-methyle	3.20	J		8.32	ug/L
000119-61-9	Benzophenone	2.10	J		10.5	ug/L
000057-10-3	n-Hexadecanoic acid	14.7	J		11.9	ug/L
000057-11-4	Octadecanoic acid	6.10	J		12.6	ug/L
006222-03-3	Trifluoroacetoxy hexadecane	3.80	J		13.8	ug/L

Raw Data: **BF141367.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	EB	SDG No.:	Q1194
Lab Sample ID:	Q1194-08	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	500 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
BF141367.D	1	01/29/25 08:40	02/03/25 14:08	PB166339

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.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB166294BL	PB166294BL	2-Fluorophenol	150	132	88		30 (18)	130 (112)
		Phenol-d6	150	126	84		30 (15)	130 (107)
		Nitrobenzene-d5	100	91.8	92		30 (18)	130 (107)
		2-Fluorobiphenyl	100	92.9	93		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	142	95		30 (10)	130 (116)
		Terphenyl-d14	100	85.6	86		30 (10)	130 (105)
PB166294BS	PB166294BS	2-Fluorophenol	150	133	88		30 (18)	130 (112)
		Phenol-d6	150	128	85		30 (15)	130 (107)
		Nitrobenzene-d5	100	95.1	95		30 (18)	130 (107)
		2-Fluorobiphenyl	100	93.5	94		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	155	103		30 (10)	130 (116)
		Terphenyl-d14	100	95.8	96		30 (10)	130 (105)
Q1194-01	B-110-SB01	2-Fluorophenol	150	87.7	58		30 (18)	130 (112)
		Phenol-d6	150	84.9	57		30 (15)	130 (107)
		Nitrobenzene-d5	100	60.0	60		30 (18)	130 (107)
		2-Fluorobiphenyl	100	59.4	59		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	81.0	54		30 (10)	130 (116)
		Terphenyl-d14	100	46.2	46		30 (10)	130 (105)
Q1194-02	B-110-SB02	2-Fluorophenol	150	73.0	49		30 (18)	130 (112)
		Phenol-d6	150	69.9	47		30 (15)	130 (107)
		Nitrobenzene-d5	100	47.9	48		30 (18)	130 (107)
		2-Fluorobiphenyl	100	46.0	46		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	61.9	41		30 (10)	130 (116)
		Terphenyl-d14	100	35.0	35		30 (10)	130 (105)
Q1194-03	B-113-SB01	2-Fluorophenol	150	110	74		30 (18)	130 (112)
		Phenol-d6	150	106	70		30 (15)	130 (107)
		Nitrobenzene-d5	100	76.3	76		30 (18)	130 (107)
		2-Fluorobiphenyl	100	74.1	74		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	107	71		30 (10)	130 (116)
		Terphenyl-d14	100	60.0	60		30 (10)	130 (105)
Q1194-04	B-113-SB02	2-Fluorophenol	150	108	72		30 (18)	130 (112)
		Phenol-d6	150	104	69		30 (15)	130 (107)
		Nitrobenzene-d5	100	72.9	73		30 (18)	130 (107)
		2-Fluorobiphenyl	100	68.9	69		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	102	68		30 (10)	130 (116)
		Terphenyl-d14	100	56.4	56		30 (10)	130 (105)
Q1194-04MS	B-113-SB02MS	2-Fluorophenol	150	93.0	62		30 (18)	130 (112)
		Phenol-d6	150	91.1	61		30 (15)	130 (107)
		Nitrobenzene-d5	100	65.2	65		30 (18)	130 (107)
		2-Fluorobiphenyl	100	61.8	62		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	92.2	61		30 (10)	130 (116)
		Terphenyl-d14	100	52.5	53		30 (10)	130 (105)
Q1194-04MSD	B-113-SB02MSD	2-Fluorophenol	150	92.8	62		30 (18)	130 (112)
		Phenol-d6	150	89.2	59		30 (15)	130 (107)
		Nitrobenzene-d5	100	64.3	64		30 (18)	130 (107)
		2-Fluorobiphenyl	100	60.9	61		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	88.9	59		30 (10)	130 (116)
		Terphenyl-d14	100	49.9	50		30 (10)	130 (105)

( ) = LABORATORY INHOUSE LIMIT

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Surrogate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB166339BL	PB166339BL	2-Fluorophenol	150	120	80		15 (10)	110 (139)
		Phenol-d6	150	117	78		15 (10)	110 (134)
		Nitrobenzene-d5	100	81.4	81		30 (49)	130 (133)
		2-Fluorobiphenyl	100	78.3	78		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	120	80		15 (44)	110 (137)
		Terphenyl-d14	100	81.6	82		30 (48)	130 (125)
PB166339BS	PB166339BS	2-Fluorophenol	150	136	90		15 (10)	110 (139)
		Phenol-d6	150	130	86		15 (10)	110 (134)
		Nitrobenzene-d5	100	96.4	96		30 (49)	130 (133)
		2-Fluorobiphenyl	100	94.6	95		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	152	102		15 (44)	110 (137)
		Terphenyl-d14	100	95.4	95		30 (48)	130 (125)
PB166339BSD	PB166339BSD	2-Fluorophenol	150	131	87		15 (10)	110 (139)
		Phenol-d6	150	124	83		15 (10)	110 (134)
		Nitrobenzene-d5	100	93.1	93		30 (49)	130 (133)
		2-Fluorobiphenyl	100	93.4	93		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	151	101		15 (44)	110 (137)
		Terphenyl-d14	100	96.5	96		30 (48)	130 (125)
Q1194-08	EB	2-Fluorophenol	75	25.5	34		15 (10)	110 (139)
		Phenol-d6	75	16.6	22		15 (10)	110 (134)
		Nitrobenzene-d5	50	32.2	64		30 (49)	130 (133)
		2-Fluorobiphenyl	50	32.8	66		30 (52)	130 (132)
		2,4,6-Tribromophenol	75	52.9	71		15 (44)	110 (137)
		Terphenyl-d14	50	35.1	70		30 (48)	130 (125)

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1194

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: Q1194-04MS		**Client Sample ID: B-113-SB02MS**						**DataFile: BF141352.D**			
Benzaldehyde	2600	0	330	ug/Kg	13	*			20 (10)	160 (86)	
Phenol	2600	0	2100	ug/Kg	81				20 (67)	160 (126)	
bis(2-Chloroethyl)ether	2600	0	2200	ug/Kg	85				70 (54)	130 (125)	
2-Chlorophenol	2600	0	2200	ug/Kg	85				70 (79)	130 (107)	
2-Methylphenol	2600	0	2100	ug/Kg	81				70 (66)	130 (122)	
2,2-oxybis(1-Chloropropane)	2600	0	2100	ug/Kg	81				70 (65)	130 (110)	
Acetophenone	2600	0	2200	ug/Kg	85				70 (75)	130 (111)	
3+4-Methylphenols	2600	0	2200	ug/Kg	85				20 (66)	160 (104)	
N-Nitroso-di-n-propylamine	2600	0	2100	ug/Kg	81				70 (59)	130 (119)	
Hexachloroethane	2600	0	2100	ug/Kg	81				20 (65)	160 (117)	
Nitrobenzene	2600	0	2100	ug/Kg	81				70 (70)	130 (119)	
Isophorone	2600	0	2200	ug/Kg	85				70 (76)	130 (122)	
2-Nitrophenol	2600	0	2200	ug/Kg	85				70 (54)	130 (145)	
2,4-Dimethylphenol	2600	0	2600	ug/Kg	100				70 (44)	130 (135)	
bis(2-Chloroethoxy)methane	2600	0	2200	ug/Kg	85				70 (68)	130 (112)	
2,4-Dichlorophenol	2600	0	2200	ug/Kg	85				70 (72)	130 (118)	
Naphthalene	2600	0	2100	ug/Kg	81				70 (72)	130 (110)	
4-Chloroaniline	2600	0	450	ug/Kg	17	*			70 (10)	130 (91)	
Hexachlorobutadiene	2600	0	2000	ug/Kg	77				70 (66)	130 (114)	
Caprolactam	2600	0	2200	ug/Kg	85				20 (51)	160 (134)	
4-Chloro-3-methylphenol	2600	0	2200	ug/Kg	85				70 (57)	130 (132)	
2-Methylnaphthalene	2600	0	2100	ug/Kg	81				70 (59)	130 (123)	
Hexachlorocyclopentadiene	5100	0	6900	ug/Kg	135				20 (10)	160 (175)	
2,4,6-Trichlorophenol	2600	0	2200	ug/Kg	85				70 (72)	130 (117)	
2,4,5-Trichlorophenol	2600	0	2200	ug/Kg	85				70 (72)	130 (117)	
1,1-Biphenyl	2600	0	2200	ug/Kg	85				70 (75)	130 (113)	
2-Chloronaphthalene	2600	0	2100	ug/Kg	81				70 (67)	130 (118)	
2-Nitroaniline	2600	0	2200	ug/Kg	85				70 (69)	130 (127)	
Dimethylphthalate	2600	0	2300	ug/Kg	88				70 (70)	130 (113)	
Acenaphthylene	2600	0	2300	ug/Kg	88				70 (79)	130 (118)	
2,6-Dinitrotoluene	2600	0	2100	ug/Kg	81				70 (70)	130 (125)	
3-Nitroaniline	2600	0	1400	ug/Kg	54	*			70 (30)	130 (99)	
Acenaphthene	2600	0	2400	ug/Kg	92				70 (70)	130 (121)	
2,4-Dinitrophenol	5100	0	5000	ug/Kg	98				20 (10)	160 (155)	
4-Nitrophenol	5100	0	3800	ug/Kg	75				20 (45)	160 (133)	
Dibenzofuran	2600	0	2100	ug/Kg	81				70 (72)	130 (110)	
2,4-Dinitrotoluene	2600	0	2200	ug/Kg	85				70 (55)	130 (128)	
Diethylphthalate	2600	0	2200	ug/Kg	85				70 (70)	130 (112)	
4-Chlorophenyl-phenylether	2600	0	2100	ug/Kg	81				70 (71)	130 (108)	
Fluorene	2600	0	2000	ug/Kg	77				70 (68)	130 (116)	
4-Nitroaniline	2600	0	1900	ug/Kg	73				70 (55)	130 (120)	
4,6-Dinitro-2-methylphenol	2600	0	2800	ug/Kg	108				70 (10)	130 (160)	
N-Nitrosodiphenylamine	2600	0	2500	ug/Kg	96				70 (73)	130 (118)	
4-Bromophenyl-phenylether	2600	0	2400	ug/Kg	92				70 (65)	130 (121)	
Hexachlorobenzene	2600	0	2300	ug/Kg	88				70 (67)	130 (118)	
Atrazine	2600	0	2400	ug/Kg	92				70 (79)	130 (127)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	5100	0	4300	ug/Kg	84				20 (47)	160 (128)	
Phenanthrene	2600	0	2200	ug/Kg	85				70 (52)	130 (128)	
Anthracene	2600	0	2300	ug/Kg	88				70 (62)	130 (124)	
Carbazole	2600	0	2100	ug/Kg	81				70 (59)	130 (119)	
Di-n-butylphthalate	2600	0	2400	ug/Kg	92				70 (69)	130 (118)	
Fluoranthene	2600	0	2000	ug/Kg	77				70 (44)	130 (125)	
Pyrene	2600	0	1800	ug/Kg	69	*			70 (26)	130 (142)	
Butylbenzylphthalate	2600	0	2100	ug/Kg	81				70 (64)	130 (126)	
3,3-Dichlorobenzidine	2600	0	1500	ug/Kg	58	*			70 (33)	130 (116)	
Benzo(a)anthracene	2600	0	2100	ug/Kg	81				70 (71)	130 (114)	
Chrysene	2600	0	2300	ug/Kg	88				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	2600	0	2200	ug/Kg	85				70 (42)	130 (169)	
Di-n-octyl phthalate	2600	0	2600	ug/Kg	100				70 (23)	130 (175)	
Benzo(b)fluoranthene	2600	0	2400	ug/Kg	92				70 (67)	130 (121)	
Benzo(k)fluoranthene	2600	0	2400	ug/Kg	92				70 (57)	130 (134)	
Benzo(a)pyrene	2600	0	2500	ug/Kg	96				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	2600	0	1800	ug/Kg	69	*			70 (40)	130 (129)	
Dibenz(a,h)anthracene	2600	0	1800	ug/Kg	69	*			70 (43)	130 (123)	
Benzo(g,h,i)perylene	2600	0	1500	ug/Kg	58	*			70 (24)	130 (125)	
1,2,4,5-Tetrachlorobenzene	2600	0	2200	ug/Kg	85				70 (69)	130 (124)	
1,4-Dioxane	2600	0	1900	ug/Kg	73				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	2600	0	2300	ug/Kg	88				70 (69)	130 (112)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1194

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: Q1194-04MSD		**Client Sample ID: B-113-SB02MSD**						**DataFile: BF141353.D**			
Benzaldehyde	2600	0	330	ug/Kg	13	*	0		20 (10)	160 (86)	30 (20)
Phenol	2600	0	2100	ug/Kg	81		0		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	2600	0	2200	ug/Kg	85		0		70 (54)	130 (125)	30 (20)
2-Chlorophenol	2600	0	2200	ug/Kg	85		0		70 (79)	130 (107)	30 (20)
2-Methylphenol	2600	0	2000	ug/Kg	77		5		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	2600	0	2100	ug/Kg	81		0		70 (65)	130 (110)	30 (20)
Acetophenone	2600	0	2100	ug/Kg	81		5		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	2600	0	2200	ug/Kg	85		0		20 (66)	160 (104)	30 (20)
N-Nitroso-di-n-propylamine	2600	0	2100	ug/Kg	81		0		70 (59)	130 (119)	30 (20)
Hexachloroethane	2600	0	2100	ug/Kg	81		0		20 (65)	160 (117)	30 (20)
Nitrobenzene	2600	0	2100	ug/Kg	81		0		70 (70)	130 (119)	30 (20)
Isophorone	2600	0	2200	ug/Kg	85		0		70 (76)	130 (122)	30 (20)
2-Nitrophenol	2600	0	2200	ug/Kg	85		0		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	2600	0	2600	ug/Kg	100		0		70 (44)	130 (135)	30 (20)
bis(2-Chloroethoxy)methane	2600	0	2100	ug/Kg	81		5		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	2600	0	2200	ug/Kg	85		0		70 (72)	130 (118)	30 (20)
Naphthalene	2600	0	2000	ug/Kg	77		5		70 (72)	130 (110)	30 (20)
4-Chloroaniline	2600	0	600	ug/Kg	23	*	30		70 (10)	130 (91)	30 (20)
Hexachlorobutadiene	2600	0	2000	ug/Kg	77		0		70 (66)	130 (114)	30 (20)
Caprolactam	2600	0	2100	ug/Kg	81		5		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	2600	0	2100	ug/Kg	81		5		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	2600	0	2100	ug/Kg	81		0		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	5100	0	6600	ug/Kg	129		5		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	2600	0	2200	ug/Kg	85		0		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	2600	0	2100	ug/Kg	81		5		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	2600	0	2100	ug/Kg	81		5		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	2600	0	2000	ug/Kg	77		5		70 (67)	130 (118)	30 (20)
2-Nitroaniline	2600	0	2200	ug/Kg	85		0		70 (69)	130 (127)	30 (20)
Dimethylphthalate	2600	0	2200	ug/Kg	85		3		70 (70)	130 (113)	30 (20)
Acenaphthylene	2600	0	2200	ug/Kg	85		3		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	2600	0	2100	ug/Kg	81		0		70 (70)	130 (125)	30 (20)
3-Nitroaniline	2600	0	1400	ug/Kg	54	*	0		70 (30)	130 (99)	30 (20)
Acenaphthene	2600	0	2300	ug/Kg	88		4		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	5100	0	4800	ug/Kg	94		4		20 (10)	160 (155)	30 (20)
4-Nitrophenol	5100	0	3600	ug/Kg	71		5		20 (45)	160 (133)	30 (20)
Dibenzofuran	2600	0	2100	ug/Kg	81		0		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	2600	0	2100	ug/Kg	81		5		70 (55)	130 (128)	30 (20)
Diethylphthalate	2600	0	2200	ug/Kg	85		0		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	2600	0	2000	ug/Kg	77		5		70 (71)	130 (108)	30 (20)
Fluorene	2600	0	2000	ug/Kg	77		0		70 (68)	130 (116)	30 (20)
4-Nitroaniline	2600	0	1900	ug/Kg	73		0		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	2600	0	2700	ug/Kg	104		4		70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	2600	0	2400	ug/Kg	92		4		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	2600	0	2400	ug/Kg	92		0		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	2600	0	2300	ug/Kg	88		0		70 (67)	130 (118)	30 (20)
Atrazine	2600	0	2300	ug/Kg	88		4		70 (79)	130 (127)	30 (20)

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	5100	0	4100	ug/Kg	80		5		20 (47)	160 (128)	30 (20)
Phenanthrene	2600	0	2200	ug/Kg	85		0		70 (52)	130 (128)	30 (20)
Anthracene	2600	0	2300	ug/Kg	88		0		70 (62)	130 (124)	30 (20)
Carbazole	2600	0	2000	ug/Kg	77		5		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	2600	0	2300	ug/Kg	88		4		70 (69)	130 (118)	30 (20)
Fluoranthene	2600	0	2000	ug/Kg	77		0		70 (44)	130 (125)	30 (20)
Pyrene	2600	0	1700	ug/Kg	65	*	6		70 (26)	130 (142)	30 (20)
Butylbenzylphthalate	2600	0	2000	ug/Kg	77		5		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	2600	0	1600	ug/Kg	62	*	7		70 (33)	130 (116)	30 (20)
Benzo(a)anthracene	2600	0	2000	ug/Kg	77		5		70 (71)	130 (114)	30 (20)
Chrysene	2600	0	2200	ug/Kg	85		3		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	2600	0	2100	ug/Kg	81		5		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	2600	0	2500	ug/Kg	96		4		70 (23)	130 (175)	30 (20)
Benzo(b)fluoranthene	2600	0	2200	ug/Kg	85		8		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	2600	0	2600	ug/Kg	100		8		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	2600	0	2400	ug/Kg	92		4		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	2600	0	1800	ug/Kg	69	*	0		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	2600	0	1800	ug/Kg	69	*	0		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	2600	0	1500	ug/Kg	58	*	0		70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	2600	0	2100	ug/Kg	81		5		70 (69)	130 (124)	30 (20)
1,4-Dioxane	2600	0	1900	ug/Kg	73		0		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	2600	0	2200	ug/Kg	85		3		70 (69)	130 (112)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF141439.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB166294BS	Benzaldehyde	1700	200	ug/Kg	12		*		20 (10)	160 (133)	
	Phenol	1700	1500	ug/Kg	88				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				70 (60)	130 (101)	
	2-Chlorophenol	1700	1600	ug/Kg	94				70 (65)	130 (112)	
	2-Methylphenol	1700	1500	ug/Kg	88				70 (61)	130 (108)	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				70 (51)	130 (100)	
	Acetophenone	1700	1600	ug/Kg	94				70 (66)	130 (98)	
	3+4-Methylphenols	1700	1600	ug/Kg	94				20 (58)	160 (111)	
	N-Nitroso-di-n-propylamine	1700	1600	ug/Kg	94				70 (63)	130 (95)	
	Hexachloroethane	1700	1600	ug/Kg	94				20 (72)	160 (108)	
	Nitrobenzene	1700	1500	ug/Kg	88				70 (57)	130 (101)	
	Isophorone	1700	1600	ug/Kg	94				70 (59)	130 (99)	
	2-Nitrophenol	1700	1600	ug/Kg	94				70 (61)	130 (111)	
	2,4-Dimethylphenol	1700	1800	ug/Kg	106				70 (46)	130 (141)	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				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	720	ug/Kg	42		*		70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1600	ug/Kg	94				70 (53)	130 (98)	
	Caprolactam	1700	1500	ug/Kg	88				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	6100	ug/Kg	185		*		20 (45)	160 (165)	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				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	1500	ug/Kg	88				70 (61)	130 (104)	
	3-Nitroaniline	1700	900	ug/Kg	53		*		70 (28)	130 (100)	
	Acenaphthene	1700	1800	ug/Kg	106				70 (57)	130 (104)	
	2,4-Dinitrophenol	3300	3800	ug/Kg	115				20 (37)	160 (128)	
	4-Nitrophenol	3300	3400	ug/Kg	103				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	1600	ug/Kg	94				70 (58)	130 (98)	
	Fluorene	1700	1600	ug/Kg	94				70 (61)	130 (101)	
	4-Nitroaniline	1700	1600	ug/Kg	94				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	1900	ug/Kg	112				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)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF141439.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB166294BS	Hexachlorobenzene	1700	1600	ug/Kg	94				70 (64)	130 (98)	
	Atrazine	1700	1700	ug/Kg	100				70 (47)	130 (152)	
	Pentachlorophenol	3300	3400	ug/Kg	103				20 (67)	160 (105)	
	Phenanthrene	1700	1700	ug/Kg	100				70 (59)	130 (103)	
	Anthracene	1700	1800	ug/Kg	106				70 (61)	130 (105)	
	Carbazole	1700	1800	ug/Kg	106				70 (61)	130 (99)	
	Di-n-butylphthalate	1700	1700	ug/Kg	100				70 (58)	130 (104)	
	Fluoranthene	1700	1800	ug/Kg	106				70 (57)	130 (107)	
	Pyrene	1700	1500	ug/Kg	88				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				70 (55)	130 (103)	
	3,3-Dichlorobenzidine	1700	800	ug/Kg	47		*		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	1600	ug/Kg	94				70 (52)	130 (137)	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1700	ug/Kg	100				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1800	ug/Kg	106				70 (63)	130 (103)	
	Indeno(1,2,3-cd)pyrene	1700	1700	ug/Kg	100				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70 (70)	130 (108)	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				70 (53)	130 (101)	
	1,4-Dioxane	1700	1200	ug/Kg	71				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1700	ug/Kg	100				70 (59)	130 (108)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF141442.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB166339BS	Benzaldehyde	50	6.70	ug/L	13		*		20 (10)	160 (162)	
	Phenol	50	46.5	ug/L	93				20 (66)	160 (118)	
	bis(2-Chloroethyl)ether	50	45.8	ug/L	92				70 (62)	130 (103)	
	2-Chlorophenol	50	49.1	ug/L	98				70 (70)	130 (117)	
	2-Methylphenol	50	46.5	ug/L	93				70 (69)	130 (109)	
	2,2-oxybis(1-Chloropropane)	50	45.0	ug/L	90				70 (65)	130 (100)	
	Acetophenone	50	50.6	ug/L	101				70 (60)	130 (104)	
	3+4-Methylphenols	50	49.1	ug/L	98				20 (67)	160 (106)	
	N-Nitroso-di-n-propylamine	50	47.5	ug/L	95				70 (57)	130 (107)	
	Hexachloroethane	50	49.7	ug/L	99				20 (76)	160 (118)	
	Nitrobenzene	50	47.1	ug/L	94				70 (58)	130 (106)	
	Isophorone	50	48.6	ug/L	97				70 (61)	130 (102)	
	2-Nitrophenol	50	50.1	ug/L	100				70 (70)	130 (115)	
	2,4-Dimethylphenol	50	56.9	ug/L	114				70 (42)	130 (142)	
	bis(2-Chloroethoxy)methane	50	45.9	ug/L	92				70 (58)	130 (109)	
	2,4-Dichlorophenol	50	49.0	ug/L	98				70 (66)	130 (115)	
	Naphthalene	50	48.3	ug/L	97				70 (64)	130 (107)	
	4-Chloroaniline	50	19.6	ug/L	39		*		70 (10)	130 (85)	
	Hexachlorobutadiene	50	51.1	ug/L	102				70 (69)	130 (101)	
	Caprolactam	50	46.8	ug/L	94				20 (58)	160 (128)	
	4-Chloro-3-methylphenol	50	50.7	ug/L	101				70 (65)	130 (114)	
	2-Methylnaphthalene	50	48.7	ug/L	97				70 (64)	130 (107)	
	Hexachlorocyclopentadiene	100	190	ug/L	190		*		20 (36)	160 (160)	
	2,4,6-Trichlorophenol	50	49.0	ug/L	98				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	48.0	ug/L	96				70 (70)	130 (106)	
	1,1-Biphenyl	50	47.5	ug/L	95				70 (72)	130 (98)	
	2-Chloronaphthalene	50	45.9	ug/L	92				70 (59)	130 (106)	
	2-Nitroaniline	50	50.6	ug/L	101				70 (73)	130 (114)	
	Dimethylphthalate	50	48.7	ug/L	97				70 (64)	130 (103)	
	Acenaphthylene	50	50.8	ug/L	102				70 (79)	130 (103)	
	2,6-Dinitrotoluene	50	47.3	ug/L	95				70 (64)	130 (110)	
	3-Nitroaniline	50	26.4	ug/L	53		*		70 (28)	130 (100)	
	Acenaphthene	50	55.1	ug/L	110				70 (59)	130 (113)	
	2,4-Dinitrophenol	100	110	ug/L	110				20 (36)	160 (166)	
	4-Nitrophenol	100	110	ug/L	110				20 (45)	160 (147)	
	Dibenzofuran	50	49.0	ug/L	98				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	51.2	ug/L	102				70 (60)	130 (115)	
	Diethylphthalate	50	49.7	ug/L	99				70 (63)	130 (105)	
	4-Chlorophenyl-phenylether	50	49.6	ug/L	99				70 (61)	130 (104)	
	Fluorene	50	50.4	ug/L	101				70 (64)	130 (107)	
	4-Nitroaniline	50	49.3	ug/L	99				70 (55)	130 (125)	
	4,6-Dinitro-2-methylphenol	50	59.5	ug/L	119				70 (62)	130 (132)	
	N-Nitrosodiphenylamine	50	49.5	ug/L	99				70 (61)	130 (109)	
	4-Bromophenyl-phenylether	50	48.9	ug/L	98				70 (73)	130 (103)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF141442.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB166339BS	Hexachlorobenzene	50	49.7	ug/L	99				70 (73)	130 (106)	
	Atrazine	50	52.3	ug/L	105				70 (76)	130 (120)	
	Pentachlorophenol	100	100	ug/L	100				20 (47)	160 (114)	
	Phenanthrene	50	52.0	ug/L	104				70 (62)	130 (109)	
	Anthracene	50	54.5	ug/L	109				70 (65)	130 (110)	
	Carbazole	50	53.8	ug/L	108				70 (62)	130 (106)	
	Di-n-butylphthalate	50	51.5	ug/L	103				70 (64)	130 (106)	
	Fluoranthene	50	55.4	ug/L	111				70 (64)	130 (110)	
	Pyrene	50	46.4	ug/L	93				70 (71)	130 (103)	
	Butylbenzylphthalate	50	50.3	ug/L	101				70 (61)	130 (105)	
	3,3-Dichlorobenzidine	50	23.2	ug/L	46		*		70 (43)	130 (108)	
	Benzo(a)anthracene	50	48.6	ug/L	97				70 (62)	130 (107)	
	Chrysene	50	50.3	ug/L	101				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	50.4	ug/L	101				70 (59)	130 (110)	
	Di-n-octyl phthalate	50	49.5	ug/L	99				70 (52)	130 (139)	
	Benzo(b)fluoranthene	50	50.8	ug/L	102				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	53.6	ug/L	107				70 (77)	130 (105)	
	Benzo(a)pyrene	50	55.2	ug/L	110				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	52.5	ug/L	105				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	52.3	ug/L	105				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	46.9	ug/L	94				70 (75)	130 (118)	
	1,2,4,5-Tetrachlorobenzene	50	49.1	ug/L	98				70 (72)	130 (101)	
	1,4-Dioxane	50	38.0	ug/L	76				20 (38)	160 (125)	
	2,3,4,6-Tetrachlorophenol	50	54.4	ug/L	109				70 (63)	130 (116)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF141443.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB166339BSD	Benzaldehyde	50	6.20	ug/L	12	8	*		20 (10)	160 (162)	20 (20)
	Phenol	50	43.9	ug/L	88	6			20 (66)	160 (118)	20 (20)
	bis(2-Chloroethyl)ether	50	44.1	ug/L	88	4			70 (62)	130 (103)	20 (20)
	2-Chlorophenol	50	47.7	ug/L	95	3			70 (70)	130 (117)	20 (20)
	2-Methylphenol	50	44.4	ug/L	89	5			70 (69)	130 (109)	20 (20)
	2,2-oxybis(1-Chloropropane)	50	43.0	ug/L	86	5			70 (65)	130 (100)	20 (20)
	Acetophenone	50	50.0	ug/L	100	1			70 (60)	130 (104)	20 (20)
	3+4-Methylphenols	50	47.3	ug/L	95	4			20 (67)	160 (106)	20 (20)
	N-Nitroso-di-n-propylamine	50	46.6	ug/L	93	2			70 (57)	130 (107)	20 (20)
	Hexachloroethane	50	47.0	ug/L	94	6			20 (76)	160 (118)	20 (20)
	Nitrobenzene	50	45.5	ug/L	91	3			70 (58)	130 (106)	20 (20)
	Isophorone	50	47.5	ug/L	95	2			70 (61)	130 (102)	20 (20)
	2-Nitrophenol	50	47.8	ug/L	96	5			70 (70)	130 (115)	20 (20)
	2,4-Dimethylphenol	50	54.9	ug/L	110	4			70 (42)	130 (142)	20 (20)
	bis(2-Chloroethoxy)methane	50	44.5	ug/L	89	3			70 (58)	130 (109)	20 (20)
	2,4-Dichlorophenol	50	48.0	ug/L	96	2			70 (66)	130 (115)	20 (20)
	Naphthalene	50	46.2	ug/L	92	4			70 (64)	130 (107)	20 (20)
	4-Chloroaniline	50	18.4	ug/L	37	6	*		70 (10)	130 (85)	20 (20)
	Hexachlorobutadiene	50	49.5	ug/L	99	3			70 (69)	130 (101)	20 (20)
	Caprolactam	50	46.3	ug/L	93	1			20 (58)	160 (128)	20 (20)
	4-Chloro-3-methylphenol	50	49.1	ug/L	98	3			70 (65)	130 (114)	20 (20)
	2-Methylnaphthalene	50	47.4	ug/L	95	3			70 (64)	130 (107)	20 (20)
	Hexachlorocyclopentadiene	100	190	ug/L	190	0	*		20 (36)	160 (160)	20 (20)
	2,4,6-Trichlorophenol	50	48.2	ug/L	96	2			70 (61)	130 (110)	20 (20)
	2,4,5-Trichlorophenol	50	46.8	ug/L	94	3			70 (70)	130 (106)	20 (20)
	1,1-Biphenyl	50	46.8	ug/L	94	1			70 (72)	130 (98)	20 (20)
	2-Chloronaphthalene	50	45.6	ug/L	91	1			70 (59)	130 (106)	20 (20)
	2-Nitroaniline	50	49.7	ug/L	99	2			70 (73)	130 (114)	20 (20)
	Dimethylphthalate	50	48.6	ug/L	97	0			70 (64)	130 (103)	20 (20)
	Acenaphthylene	50	50.0	ug/L	100	2			70 (79)	130 (103)	20 (20)
	2,6-Dinitrotoluene	50	46.6	ug/L	93	1			70 (64)	130 (110)	20 (20)
	3-Nitroaniline	50	26.8	ug/L	54	2	*		70 (28)	130 (100)	20 (20)
	Acenaphthene	50	54.4	ug/L	109	1			70 (59)	130 (113)	20 (20)
	2,4-Dinitrophenol	100	110	ug/L	110	0			20 (36)	160 (166)	20 (20)
	4-Nitrophenol	100	100	ug/L	100	10			20 (45)	160 (147)	20 (20)
	Dibenzofuran	50	48.6	ug/L	97	1			70 (65)	130 (106)	20 (20)
	2,4-Dinitrotoluene	50	50.0	ug/L	100	2			70 (60)	130 (115)	20 (20)
	Diethylphthalate	50	49.2	ug/L	98	1			70 (63)	130 (105)	20 (20)
	4-Chlorophenyl-phenylether	50	49.2	ug/L	98	1			70 (61)	130 (104)	20 (20)
	Fluorene	50	49.5	ug/L	99	2			70 (64)	130 (107)	20 (20)
	4-Nitroaniline	50	48.0	ug/L	96	3			70 (55)	130 (125)	20 (20)
	4,6-Dinitro-2-methylphenol	50	57.0	ug/L	114	4			70 (62)	130 (132)	20 (20)
	N-Nitrosodiphenylamine	50	49.6	ug/L	99	0			70 (61)	130 (109)	20 (20)
	4-Bromophenyl-phenylether	50	48.9	ug/L	98	0			70 (73)	130 (103)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1194

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF141443.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB166339BSD	Hexachlorobenzene	50	49.0	ug/L	98	1			70 (73)	130 (106)	20 (20)
	Atrazine	50	52.1	ug/L	104	0			70 (76)	130 (120)	20 (20)
	Pentachlorophenol	100	100	ug/L	100	0			20 (47)	160 (114)	20 (20)
	Phenanthrene	50	51.8	ug/L	104	0			70 (62)	130 (109)	20 (20)
	Anthracene	50	54.1	ug/L	108	1			70 (65)	130 (110)	20 (20)
	Carbazole	50	53.1	ug/L	106	1			70 (62)	130 (106)	20 (20)
	Di-n-butylphthalate	50	51.4	ug/L	103	0			70 (64)	130 (106)	20 (20)
	Fluoranthene	50	55.3	ug/L	111	0			70 (64)	130 (110)	20 (20)
	Pyrene	50	46.5	ug/L	93	0			70 (71)	130 (103)	20 (20)
	Butylbenzylphthalate	50	50.5	ug/L	101	0			70 (61)	130 (105)	20 (20)
	3,3-Dichlorobenzidine	50	23.5	ug/L	47	1	*		70 (43)	130 (108)	20 (20)
	Benzo(a)anthracene	50	47.2	ug/L	94	3			70 (62)	130 (107)	20 (20)
	Chrysene	50	49.2	ug/L	98	2			70 (61)	130 (108)	20 (20)
	bis(2-Ethylhexyl)phthalate	50	50.1	ug/L	100	1			70 (59)	130 (110)	20 (20)
	Di-n-octyl phthalate	50	48.4	ug/L	97	2			70 (52)	130 (139)	20 (20)
	Benzo(b)fluoranthene	50	46.4	ug/L	93	9			70 (77)	130 (113)	20 (20)
	Benzo(k)fluoranthene	50	52.7	ug/L	105	2			70 (77)	130 (105)	20 (20)
	Benzo(a)pyrene	50	53.1	ug/L	106	4			70 (72)	130 (131)	20 (20)
	Indeno(1,2,3-cd)pyrene	50	50.7	ug/L	101	3			70 (72)	130 (105)	20 (20)
	Dibenz(a,h)anthracene	50	50.2	ug/L	100	4			70 (78)	130 (115)	20 (20)
	Benzo(g,h,i)perylene	50	45.0	ug/L	90	4			70 (75)	130 (118)	20 (20)
	1,2,4,5-Tetrachlorobenzene	50	48.6	ug/L	97	1			70 (72)	130 (101)	20 (20)
	1,4-Dioxane	50	37.0	ug/L	74	3			20 (38)	160 (125)	20 (20)
	2,3,4,6-Tetrachlorophenol	50	53.4	ug/L	107	2			70 (63)	130 (116)	20 (20)

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166294BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: BF141408.D Lab Sample ID: PB166294BL

Instrument ID: BNA_F Date Extracted: 01/28/2025

Matrix: (soil/water) SOIL Date Analyzed: 02/04/2025

Level: (low/med) LOW Time Analyzed: 15:06

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
B-113-SB01	Q1194-03	BF141424.D	02/04/2025
PB166294BS	PB166294BS	BF141439.D	02/05/2025
B-110-SB01	Q1194-01	BF141349.D	01/31/2025
B-110-SB02	Q1194-02	BF141350.D	01/31/2025
B-113-SB02	Q1194-04	BF141351.D	02/01/2025
B-113-SB02MS	Q1194-04MS	BF141352.D	02/01/2025
B-113-SB02MSD	Q1194-04MSD	BF141353.D	02/01/2025

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166339BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: BF141312.D Lab Sample ID: PB166339BL

Instrument ID: BNA_F Date Extracted: 01/29/2025

Matrix: (soil/water) Water Date Analyzed: 01/30/2025

Level: (low/med) LOW Time Analyzed: 14:32

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
EB	Q1194-08	BF141367.D	02/03/2025
PB166339BS	PB166339BS	BF141442.D	02/05/2025
PB166339BSD	PB166339BSD	BF141443.D	02/05/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: BF141289.D DFTPP Injection Date: 01/29/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:03

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	41.1
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.1
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	26.5
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	13.5
442	Greater than 50% of mass 198	83.6
443	15.0 - 24.0% of mass 442	16.2 (19.4) 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
SSTDICC2.5	SSTDICC2.5	BF141290.D	01/29/2025	10:30
SSTDICC005	SSTDICC005	BF141291.D	01/29/2025	10:56
SSTDICC010	SSTDICC010	BF141292.D	01/29/2025	11:49
SSTDICC020	SSTDICC020	BF141293.D	01/29/2025	15:17
SSTDICCC040	SSTDICCC040	BF141294.D	01/29/2025	15:45
SSTDICC050	SSTDICC050	BF141295.D	01/29/2025	16:11
SSTDICC060	SSTDICC060	BF141296.D	01/29/2025	16:38
SSTDICC080	SSTDICC080	BF141297.D	01/29/2025	17:05

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: BF141300.D DFTPP Injection Date: 01/30/2025

Instrument ID: BNA_F DFTPP Injection Time: 08:28

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	45
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	37.4
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	49.1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	25.8
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	11.5
442	Greater than 50% of mass 198	72.8
443	15.0 - 24.0% of mass 442	14.4 (19.8) 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
SSTDCCC040	SSTDCCC040	BF141301.D	01/30/2025	08:54
PB166339BL	PB166339BL	BF141312.D	01/30/2025	14:32

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: BF141335.D DFTPP Injection Date: 01/31/2025

Instrument ID: BNA_F DFTPP Injection Time: 16:53

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	46.2
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	38.1
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	49
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	25.8
365	Greater than 1% of mass 198	2.8
441	Present, but less than mass 443	11.7
442	Greater than 50% of mass 198	74.1
443	15.0 - 24.0% of mass 442	14.6 (19.7) 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	BF141336.D	01/31/2025	17:19
B-110-SB01	Q1194-01	BF141349.D	01/31/2025	23:10
B-110-SB02	Q1194-02	BF141350.D	01/31/2025	23:37
B-113-SB02	Q1194-04	BF141351.D	02/01/2025	00:03
B-113-SB02MS	Q1194-04MS	BF141352.D	02/01/2025	00:30
B-113-SB02MSD	Q1194-04MSD	BF141353.D	02/01/2025	00:57

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: BF141360.D DFTPP Injection Date: 02/03/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:53

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.2
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.5
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	47.9
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	25.7
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	12.3
442	Greater than 50% of mass 198	77.3
443	15.0 - 24.0% of mass 442	14.4 (18.6) 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	BF141361.D	02/03/2025	11:24
EB	Q1194-08	BF141367.D	02/03/2025	14:08

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: BF141397.D DFTPP Injection Date: 02/04/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:16

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.3
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	38.1
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	49.4
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	6.8
275	10.0 - 60.0% of mass 198	26.5
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	12.2
442	Greater than 50% of mass 198	73.2
443	15.0 - 24.0% of mass 442	14.4 (19.7) 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	BF141398.D	02/04/2025	10:42
PB166294BL	PB166294BL	BF141408.D	02/04/2025	15:06

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: BF141409.D DFTPP Injection Date: 02/04/2025

Instrument ID: BNA_F DFTPP Injection Time: 15:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	41.7
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	36.7
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	6.8
275	10.0 - 60.0% of mass 198	27.1
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	12.5
442	Greater than 50% of mass 198	81.7
443	15.0 - 24.0% of mass 442	15.1 (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	BF141410.D	02/04/2025	15:58
B-113-SB01	Q1194-03	BF141424.D	02/04/2025	22:11

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1194 SDG NO.: Q1194

Lab File ID: BF141434.D DFTPP Injection Date: 02/05/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:36

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	42.7
68	Less than 2.0% of mass 69	0.7 (2) 1
69	Mass 69 relative abundance	35.1
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	48.7
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	26.8
365	Greater than 1% of mass 198	2.8
441	Present, but less than mass 443	12.5
442	Greater than 50% of mass 198	75.4
443	15.0 - 24.0% of mass 442	14.5 (19.2) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141435.D	02/05/2025	10:02
PB166294BS	PB166294BS	BF141439.D	02/05/2025	11:47
PB166339BS	PB166339BS	BF141442.D	02/05/2025	13:05
PB166339BSD	PB166339BSD	BF141443.D	02/05/2025	13:31

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/30/2025

Lab File ID: BF141301.D Time Analyzed: 08:54

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	146467	6.798	575983	8.08	308835	9.84
	UPPER LIMIT	292934	7.298	1151970	8.581	617670	10.339
	LOWER LIMIT	73233.5	6.298	287992	7.581	154418	9.339
	EPA SAMPLE NO.						
01	PB166339BL	146115	6.80	599878	8.08	324432	9.83

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/30/2025

Lab File ID: BF141301.D Time Analyzed: 08:54

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	511005	11.322	290304	13.969	298783	15.421
	UPPER LIMIT	1022010	11.822	580608	14.469	597566	15.921
	LOWER LIMIT	255503	10.822	145152	13.469	149392	14.921
	EPA SAMPLE NO.						
01	PB166339BL	552085	11.32	345336	13.96	288136	15.44

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

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

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* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/31/2025

Lab File ID: BF141336.D Time Analyzed: 17:19

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	140033	6.798	558386	8.08	299701	9.84
	UPPER LIMIT	280066	7.298	1116770	8.581	599402	10.339
	LOWER LIMIT	70016.5	6.298	279193	7.581	149851	9.339
	EPA SAMPLE NO.						
01	B-110-SB01	146484	6.80	587603	8.08	300372	9.83
02	B-110-SB02	149181	6.80	593714	8.08	307017	9.83
03	B-113-SB02	147849	6.80	589893	8.08	306711	9.83
04	B-113-SB02MS	160040	6.80	632082	8.08	327389	9.84
05	B-113-SB02MSD	149676	6.80	589897	8.08	304724	9.84

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/31/2025

Lab File ID: BF141336.D Time Analyzed: 17:19

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	493954	11.322	281629	13.968	286623	15.433
	UPPER LIMIT	987908	11.822	563258	14.468	573246	15.933
	LOWER LIMIT	246977	10.822	140815	13.468	143312	14.933
	EPA SAMPLE NO.						
01	B-110-SB01	443291	11.32	300964	13.96	270058	15.42
02	B-110-SB02	441643	11.32	304741	13.96	278986	15.42
03	B-113-SB02	457334	11.32	306408	13.96	276735	15.42
04	B-113-SB02MS	478396	11.33	306959	13.97	307907	15.42
05	B-113-SB02MSD	446574	11.33	289652	13.97	291978	15.42

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/03/2025

Lab File ID: BF141361.D Time Analyzed: 11:24

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	93803	6.798	362783	8.08	198566	9.83
	UPPER LIMIT	187606	7.298	725566	8.581	397132	10.333
	LOWER LIMIT	46901.5	6.298	181392	7.581	99283	9.333
	EPA SAMPLE NO.						
01	EB	101266	6.79	409757	8.08	228085	9.83

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/03/2025

Lab File ID: BF141361.D Time Analyzed: 11:24

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	334466	11.322	243574	13.968	284769	15.427
	UPPER LIMIT	668932	11.822	487148	14.468	569538	15.927
	LOWER LIMIT	167233	10.822	121787	13.468	142385	14.927
	EPA SAMPLE NO.						
01	EB	407498	11.32	332056	13.96	264824	15.41

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/04/2025

Lab File ID: BF141398.D Time Analyzed: 10:42

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	87552	6.793	331835	8.08	180473	9.83
	UPPER LIMIT	175104	7.293	663670	8.575	360946	10.328
	LOWER LIMIT	43776	6.293	165918	7.575	90236.5	9.328
	EPA SAMPLE NO.						
01	PB166294BL	79060	6.79	317518	8.07	174923	9.83

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/04/2025

Lab File ID: BF141398.D Time Analyzed: 10:42

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	318826	11.316	235294	13.963	201713	15.421
	UPPER LIMIT	637652	11.816	470588	14.463	403426	15.921
	LOWER LIMIT	159413	10.816	117647	13.463	100857	14.921
	EPA SAMPLE NO.						
01	PB166294BL	303054	11.31	230654	13.96	181526	15.41

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/04/2025

Lab File ID: BF141410.D Time Analyzed: 15:58

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	89972	6.792	349697	8.08	187729	9.83
	UPPER LIMIT	179944	7.292	699394	8.575	375458	10.328
	LOWER LIMIT	44986	6.292	174849	7.575	93864.5	9.328
	EPA SAMPLE NO.						
01	B-113-SB01	70324	6.79	279899	8.07	155548	9.82

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/04/2025

Lab File ID: BF141410.D Time Analyzed: 15:58

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	325046	11.316	235785	13.963	203742	15.421
	UPPER LIMIT	650092	11.816	471570	14.463	407484	15.921
	LOWER LIMIT	162523	10.816	117893	13.463	101871	14.921
	EPA SAMPLE NO.						
01	B-113-SB01	272951	11.31	230042	13.95	197101	15.41

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/05/2025

Lab File ID: BF141435.D Time Analyzed: 10:02

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	78610	6.792	301871	8.08	162758	9.83
	UPPER LIMIT	157220	7.292	603742	8.575	325516	10.328
	LOWER LIMIT	39305	6.292	150936	7.575	81379	9.328
	EPA SAMPLE NO.						
01	PB166294BS	72987	6.79	285622	8.08	157073	9.83
02	PB166339BS	69540	6.79	272946	8.08	150801	9.83
03	PB166339BSD	70045	6.79	272862	8.08	147235	9.83

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG NO.: Q1194

EPA Sample No.: SSTDCCC040 Date Analyzed: 02/05/2025

Lab File ID: BF141435.D Time Analyzed: 10:02

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	271503	11.316	168458	13.963	170248	15.427
	UPPER LIMIT	543006	11.816	336916	14.463	340496	15.927
	LOWER LIMIT	135752	10.816	84229	13.463	85124	14.927
	EPA SAMPLE NO.						
01	PB166294BS	268815	11.32	187164	13.96	163935	15.43
02	PB166339BS	258651	11.32	176386	13.96	154350	15.42
03	PB166339BSD	252391	11.32	168766	13.96	154833	15.43

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: **BF141408.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166294BL	SDG No.:	Q1194
Lab Sample ID:	PB166294BL	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
BF141408.D	1	01/28/25 09:56	02/04/25 15:06	PB166294

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

Raw Data: **BF141408.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166294BL	SDG No.:	Q1194
Lab Sample ID:	PB166294BL	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
BF141408.D	1	01/28/25 09:56	02/04/25 15:06	PB166294

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

Raw Data: **BF141408.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166294BL	SDG No.:	Q1194
Lab Sample ID:	PB166294BL	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
BF141408.D	1	01/28/25 09:56	02/04/25 15:06	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	93.0	U	93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	132		30 (18) - 130 (112)	88%	SPK: 150
13127-88-3	Phenol-d6	126		30 (15) - 130 (107)	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.8		30 (18) - 130 (107)	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	92.9		30 (20) - 130 (109)	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	142		30 (10) - 130 (116)	95%	SPK: 150
1718-51-0	Terphenyl-d14	85.6		30 (10) - 130 (105)	86%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	79100	6.787			
1146-65-2	Naphthalene-d8	318000	8.069			
15067-26-2	Acenaphthene-d10	175000	9.828			
1517-22-2	Phenanthrene-d10	303000	11.31			
1719-03-5	Chrysene-d12	231000	13.957			
1520-96-3	Perylene-d12	182000	15.41			
TENTATIVE IDENTIFIED COMPOUNDS						
004744-10-9	Propane, 1,1-dimethoxy-	120	J		2.16	ug/Kg

Raw Data: **BF141408.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	
Client Sample ID:	PB166294BL			SDG No.:	Q1194
Lab Sample ID:	PB166294BL			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
BF141408.D	1	01/28/25 09:56	02/04/25 15:06	PB166294

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166339BL	SDG No.:	Q1194
Lab Sample ID:	PB166339BL	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
BF141312.D	1	01/29/25 08:40	01/30/25 14:32	PB166339

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166339BL	SDG No.:	Q1194
Lab Sample ID:	PB166339BL	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
BF141312.D	1	01/29/25 08:40	01/30/25 14:32	PB166339

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: **BF141312.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166339BL	SDG No.:	Q1194
Lab Sample ID:	PB166339BL	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
BF141312.D	1	01/29/25 08:40	01/30/25 14:32	PB166339

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	120		15 (10) - 110 (139)	80%	SPK: 150
13127-88-3	Phenol-d6	117		15 (10) - 110 (134)	78%	SPK: 150
4165-60-0	Nitrobenzene-d5	81.4		30 (49) - 130 (133)	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.3		30 (52) - 130 (132)	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	120		15 (44) - 110 (137)	80%	SPK: 150
1718-51-0	Terphenyl-d14	81.6		30 (48) - 130 (125)	82%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	146000	6.798			
1146-65-2	Naphthalene-d8	600000	8.081			
15067-26-2	Acenaphthene-d10	324000	9.834			
1517-22-2	Phenanthrene-d10	552000	11.322			
1719-03-5	Chrysene-d12	345000	13.963			
1520-96-3	Perylene-d12	288000	15.439			
TENTATIVE IDENTIFIED COMPOUNDS						
004744-10-9	Propane, 1,1-dimethoxy-	3.20	J		2.21	ug/L

Raw Data: **BF141312.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166339BL	SDG No.:	Q1194
Lab Sample ID:	PB166339BL	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
BF141312.D	1	01/29/25 08:40	01/30/25 14:32	PB166339

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: **BF141439.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166294BS	SDG No.:	Q1194
Lab Sample ID:	PB166294BS	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
BF141439.D	1	01/28/25 09:56	02/05/25 11:47	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	200	J	180	330	ug/Kg
108-95-2	Phenol	1500		82.8	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		83.6	170	ug/Kg
95-57-8	2-Chlorophenol	1600		83.4	170	ug/Kg
95-48-7	2-Methylphenol	1500		80.5	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		90.8	170	ug/Kg
98-86-2	Acetophenone	1600		86.8	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		79.7	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		40.3	79.9	ug/Kg
67-72-1	Hexachloroethane	1600		82.9	170	ug/Kg
98-95-3	Nitrobenzene	1500		90.7	170	ug/Kg
78-59-1	Isophorone	1600		84.5	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.4	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		93.1	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		85.7	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		75.4	170	ug/Kg
91-20-3	Naphthalene	1500		82.5	170	ug/Kg
106-47-8	4-Chloroaniline	720		82.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		83.2	170	ug/Kg
105-60-2	Caprolactam	1500		86.7	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		77.4	170	ug/Kg
91-57-6	2-Methylnaphthalene	1600		82.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6100	E	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		71.3	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		73.9	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		87.3	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		83.2	170	ug/Kg
88-74-4	2-Nitroaniline	1600		94.9	170	ug/Kg
131-11-3	Dimethylphthalate	1600		81.6	170	ug/Kg

Raw Data: **BF141439.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166294BS	SDG No.:	Q1194
Lab Sample ID:	PB166294BS	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
BF141439.D	1	01/28/25 09:56	02/05/25 11:47	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1600		86.4	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		83.1	170	ug/Kg
99-09-2	3-Nitroaniline	900		89.1	170	ug/Kg
83-32-9	Acenaphthene	1800		81.0	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3800	E	240	330	ug/Kg
100-02-7	4-Nitrophenol	3400	E	120	330	ug/Kg
132-64-9	Dibenzofuran	1600		84.3	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		86.1	170	ug/Kg
84-66-2	Diethylphthalate	1600		80.0	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		85.5	170	ug/Kg
86-73-7	Fluorene	1600		85.4	170	ug/Kg
100-01-6	4-Nitroaniline	1600		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1900		120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		81.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		78.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		84.9	170	ug/Kg
1912-24-9	Atrazine	1700		91.3	170	ug/Kg
87-86-5	Pentachlorophenol	3400	E	77.2	330	ug/Kg
85-01-8	Phenanthrene	1700		83.9	170	ug/Kg
120-12-7	Anthracene	1800		84.3	170	ug/Kg
86-74-8	Carbazole	1800		80.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1700		84.2	170	ug/Kg
206-44-0	Fluoranthene	1800		81.6	170	ug/Kg
129-00-0	Pyrene	1500		82.9	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		96.7	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	800		98.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.6	170	ug/Kg
218-01-9	Chrysene	1600		79.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		90.9	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		81.0	170	ug/Kg

Raw Data: **BF141439.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166294BS	SDG No.:	Q1194
Lab Sample ID:	PB166294BS	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
BF141439.D	1	01/28/25 09:56	02/05/25 11:47	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1700		82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	1800		92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		80.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		86.7	170	ug/Kg
123-91-1	1,4-Dioxane	1200		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		74.6	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	133		30 (18) - 130 (112)	88%	SPK: 150
13127-88-3	Phenol-d6	128		30 (15) - 130 (107)	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	95.1		30 (18) - 130 (107)	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.5		30 (20) - 130 (109)	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	155		30 (10) - 130 (116)	103%	SPK: 150
1718-51-0	Terphenyl-d14	95.8		30 (10) - 130 (105)	96%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	73000	6.792			
1146-65-2	Naphthalene-d8	286000	8.075			
15067-26-2	Acenaphthene-d10	157000	9.827			
1517-22-2	Phenanthrene-d10	269000	11.316			
1719-03-5	Chrysene-d12	187000	13.963			
1520-96-3	Perylene-d12	164000	15.427			

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: **BF141442.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166339BS	SDG No.:	Q1194
Lab Sample ID:	PB166339BS	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
BF141442.D	1	01/29/25 08:40	02/05/25 13:05	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	6.70	J	4.00	10.0	ug/L
108-95-2	Phenol	46.5		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	49.1		0.71	5.00	ug/L
95-48-7	2-Methylphenol	46.5		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	45.0		1.40	5.00	ug/L
98-86-2	Acetophenone	50.6		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	49.1		1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	47.5		1.50	2.50	ug/L
67-72-1	Hexachloroethane	49.7		1.00	5.00	ug/L
98-95-3	Nitrobenzene	47.1		1.30	5.00	ug/L
78-59-1	Isophorone	48.6		1.10	5.00	ug/L
88-75-5	2-Nitrophenol	50.1		2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	56.9		1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	45.9		1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	49.0		0.88	5.00	ug/L
91-20-3	Naphthalene	48.3		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	19.6		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	51.1		1.30	5.00	ug/L
105-60-2	Caprolactam	46.8		1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	50.7		0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	48.7		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	190	E	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	49.0		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	48.0		1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	47.5		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	45.9		0.97	5.00	ug/L
88-74-4	2-Nitroaniline	50.6		1.40	5.00	ug/L
131-11-3	Dimethylphthalate	48.7		0.93	5.00	ug/L

Raw Data: **BF141442.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166339BS	SDG No.:	Q1194
Lab Sample ID:	PB166339BS	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
BF141442.D	1	01/29/25 08:40	02/05/25 13:05	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	50.8		1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	47.3		1.20	5.00	ug/L
99-09-2	3-Nitroaniline	26.4		1.40	5.00	ug/L
83-32-9	Acenaphthene	55.1		0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	110	E	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	110	E	2.00	10.0	ug/L
132-64-9	Dibenzofuran	49.0		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	51.2		1.50	5.00	ug/L
84-66-2	Diethylphthalate	49.7		1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	49.6		0.98	5.00	ug/L
86-73-7	Fluorene	50.4		0.96	5.00	ug/L
100-01-6	4-Nitroaniline	49.3		2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	59.5		3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	49.5		0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	48.9		0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	49.7		1.10	5.00	ug/L
1912-24-9	Atrazine	52.3		1.30	5.00	ug/L
87-86-5	Pentachlorophenol	100	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	52.0		0.89	5.00	ug/L
120-12-7	Anthracene	54.5		1.10	5.00	ug/L
86-74-8	Carbazole	53.8		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	51.5		1.50	5.00	ug/L
206-44-0	Fluoranthene	55.4		1.30	5.00	ug/L
129-00-0	Pyrene	46.4		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	50.3		2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	23.2		1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	48.6		0.94	5.00	ug/L
218-01-9	Chrysene	50.3		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	50.4		1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	49.5		2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	50.8		1.10	5.00	ug/L

Raw Data: **BF141442.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166339BS	SDG No.:	Q1194
Lab Sample ID:	PB166339BS	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
BF141442.D	1	01/29/25 08:40	02/05/25 13:05	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	53.6		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	55.2		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	52.5		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	52.3		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	46.9		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	49.1		1.10	5.00	ug/L
123-91-1	1,4-Dioxane	38.0		1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	54.4		0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	136		15 (10) - 110 (139)	90%	SPK: 150
13127-88-3	Phenol-d6	130		15 (10) - 110 (134)	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.4		30 (49) - 130 (133)	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.6		30 (52) - 130 (132)	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	152		15 (44) - 110 (137)	102%	SPK: 150
1718-51-0	Terphenyl-d14	95.4		30 (48) - 130 (125)	95%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	69500	6.792			
1146-65-2	Naphthalene-d8	273000	8.075			
15067-26-2	Acenaphthene-d10	151000	9.828			
1517-22-2	Phenanthrene-d10	259000	11.316			
1719-03-5	Chrysene-d12	176000	13.963			
1520-96-3	Perylene-d12	154000	15.421			

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
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166339BSD	SDG No.:	Q1194
Lab Sample ID:	PB166339BSD	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
BF141443.D	1	01/29/25 08:40	02/05/25 13:31	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	6.20	J	4.00	10.0	ug/L
108-95-2	Phenol	43.9		0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.1		1.20	5.00	ug/L
95-57-8	2-Chlorophenol	47.7		0.71	5.00	ug/L
95-48-7	2-Methylphenol	44.4		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	43.0		1.40	5.00	ug/L
98-86-2	Acetophenone	50.0		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	47.3		1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	46.6		1.50	2.50	ug/L
67-72-1	Hexachloroethane	47.0		1.00	5.00	ug/L
98-95-3	Nitrobenzene	45.5		1.30	5.00	ug/L
78-59-1	Isophorone	47.5		1.10	5.00	ug/L
88-75-5	2-Nitrophenol	47.8		2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	54.9		1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	44.5		1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	48.0		0.88	5.00	ug/L
91-20-3	Naphthalene	46.2		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	18.4		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	49.5		1.30	5.00	ug/L
105-60-2	Caprolactam	46.3		1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	49.1		0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	47.4		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	190	E	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	48.2		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	46.8		1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	46.8		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	45.6		0.97	5.00	ug/L
88-74-4	2-Nitroaniline	49.7		1.40	5.00	ug/L
131-11-3	Dimethylphthalate	48.6		0.93	5.00	ug/L

Raw Data: **BF141443.D**

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

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166339BSD	SDG No.:	Q1194
Lab Sample ID:	PB166339BSD	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
BF141443.D	1	01/29/25 08:40	02/05/25 13:31	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	50.0		1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	46.6		1.20	5.00	ug/L
99-09-2	3-Nitroaniline	26.8		1.40	5.00	ug/L
83-32-9	Acenaphthene	54.4		0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	110	E	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	100	E	2.00	10.0	ug/L
132-64-9	Dibenzofuran	48.6		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	50.0		1.50	5.00	ug/L
84-66-2	Diethylphthalate	49.2		1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	49.2		0.98	5.00	ug/L
86-73-7	Fluorene	49.5		0.96	5.00	ug/L
100-01-6	4-Nitroaniline	48.0		2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	57.0		3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	49.6		0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	48.9		0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	49.0		1.10	5.00	ug/L
1912-24-9	Atrazine	52.1		1.30	5.00	ug/L
87-86-5	Pentachlorophenol	100	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	51.8		0.89	5.00	ug/L
120-12-7	Anthracene	54.1		1.10	5.00	ug/L
86-74-8	Carbazole	53.1		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	51.4		1.50	5.00	ug/L
206-44-0	Fluoranthene	55.3		1.30	5.00	ug/L
129-00-0	Pyrene	46.5		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	50.5		2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	23.5		1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	47.2		0.94	5.00	ug/L
218-01-9	Chrysene	49.2		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	50.1		1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	48.4		2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	46.4		1.10	5.00	ug/L

Raw Data: **BF141443.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166339BSD	SDG No.:	Q1194
Lab Sample ID:	PB166339BSD	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
BF141443.D	1	01/29/25 08:40	02/05/25 13:31	PB166339

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	52.7		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	53.1		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	50.7		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	50.2		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	45.0		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	48.6		1.10	5.00	ug/L
123-91-1	1,4-Dioxane	37.0		1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	53.4		0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	131		15 (10) - 110 (139)	87%	SPK: 150
13127-88-3	Phenol-d6	124		15 (10) - 110 (134)	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.1		30 (49) - 130 (133)	93%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.4		30 (52) - 130 (132)	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	151		15 (44) - 110 (137)	101%	SPK: 150
1718-51-0	Terphenyl-d14	96.5		30 (48) - 130 (125)	96%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	70000	6.793			
1146-65-2	Naphthalene-d8	273000	8.075			
15067-26-2	Acenaphthene-d10	147000	9.828			
1517-22-2	Phenanthrene-d10	252000	11.316			
1719-03-5	Chrysene-d12	169000	13.963			
1520-96-3	Perylene-d12	155000	15.427			

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: **BF141352.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02MS	SDG No.:	Q1194
Lab Sample ID:	Q1194-04MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
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
BF141352.D	1	01/28/25 09:56	02/01/25 00:30	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	330	J	280	510	ug/Kg
108-95-2	Phenol	2100		130	260	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2200		130	260	ug/Kg
95-57-8	2-Chlorophenol	2200		130	260	ug/Kg
95-48-7	2-Methylphenol	2100		120	260	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2100		140	260	ug/Kg
98-86-2	Acetophenone	2200		130	260	ug/Kg
65794-96-9	3+4-Methylphenols	2200		120	510	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2100		62.2	120	ug/Kg
67-72-1	Hexachloroethane	2100		130	260	ug/Kg
98-95-3	Nitrobenzene	2100		140	260	ug/Kg
78-59-1	Isophorone	2200		130	260	ug/Kg
88-75-5	2-Nitrophenol	2200		150	260	ug/Kg
105-67-9	2,4-Dimethylphenol	2600		140	260	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2200		130	260	ug/Kg
120-83-2	2,4-Dichlorophenol	2200		120	260	ug/Kg
91-20-3	Naphthalene	2100		130	260	ug/Kg
106-47-8	4-Chloroaniline	450		130	260	ug/Kg
87-68-3	Hexachlorobutadiene	2000		130	260	ug/Kg
105-60-2	Caprolactam	2200		130	510	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2200		120	260	ug/Kg
91-57-6	2-Methylnaphthalene	2100		130	260	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6900	E	240	510	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2200		110	260	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2200		110	260	ug/Kg
92-52-4	1,1-Biphenyl	2200		130	260	ug/Kg
91-58-7	2-Chloronaphthalene	2100		130	260	ug/Kg
88-74-4	2-Nitroaniline	2200		150	260	ug/Kg
131-11-3	Dimethylphthalate	2300		130	260	ug/Kg

Raw Data: **BF141352.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02MS	SDG No.:	Q1194
Lab Sample ID:	Q1194-04MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
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
BF141352.D	1	01/28/25 09:56	02/01/25 00:30	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	2300		130	260	ug/Kg
606-20-2	2,6-Dinitrotoluene	2100		130	260	ug/Kg
99-09-2	3-Nitroaniline	1400		140	260	ug/Kg
83-32-9	Acenaphthene	2400		130	260	ug/Kg
51-28-5	2,4-Dinitrophenol	5000	E	380	510	ug/Kg
100-02-7	4-Nitrophenol	3800		180	510	ug/Kg
132-64-9	Dibenzofuran	2100		130	260	ug/Kg
121-14-2	2,4-Dinitrotoluene	2200		130	260	ug/Kg
84-66-2	Diethylphthalate	2200		120	260	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2100		130	260	ug/Kg
86-73-7	Fluorene	2000		130	260	ug/Kg
100-01-6	4-Nitroaniline	1900		170	260	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2800		180	510	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2500		130	260	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2400		120	260	ug/Kg
118-74-1	Hexachlorobenzene	2300		130	260	ug/Kg
1912-24-9	Atrazine	2400		140	260	ug/Kg
87-86-5	Pentachlorophenol	4300	E	120	510	ug/Kg
85-01-8	Phenanthrene	2200		130	260	ug/Kg
120-12-7	Anthracene	2300		130	260	ug/Kg
86-74-8	Carbazole	2100		120	260	ug/Kg
84-74-2	Di-n-butylphthalate	2400		130	260	ug/Kg
206-44-0	Fluoranthene	2000		130	260	ug/Kg
129-00-0	Pyrene	1800		130	260	ug/Kg
85-68-7	Butylbenzylphthalate	2100		150	260	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1500		150	510	ug/Kg
56-55-3	Benzo(a)anthracene	2100		120	260	ug/Kg
218-01-9	Chrysene	2300		120	260	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2200		140	260	ug/Kg
117-84-0	Di-n-octyl phthalate	2600		170	510	ug/Kg
205-99-2	Benzo(b)fluoranthene	2400		130	260	ug/Kg

Raw Data: **BF141352.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02MS	SDG No.:	Q1194
Lab Sample ID:	Q1194-04MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
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
BF141352.D	1	01/28/25 09:56	02/01/25 00:30	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	2400		130	260	ug/Kg
50-32-8	Benzo(a)pyrene	2500		140	260	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		120	260	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		130	260	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		120	260	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2200		130	260	ug/Kg
123-91-1	1,4-Dioxane	1900		170	260	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2300		120	260	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	93.0		30 (18) - 130 (112)	62%	SPK: 150
13127-88-3	Phenol-d6	91.1		30 (15) - 130 (107)	61%	SPK: 150
4165-60-0	Nitrobenzene-d5	65.2		30 (18) - 130 (107)	65%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.8		30 (20) - 130 (109)	62%	SPK: 100
118-79-6	2,4,6-Tribromophenol	92.2		30 (10) - 130 (116)	61%	SPK: 150
1718-51-0	Terphenyl-d14	52.5		30 (10) - 130 (105)	53%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	160000	6.798			
1146-65-2	Naphthalene-d8	632000	8.081			
15067-26-2	Acenaphthene-d10	327000	9.839			
1517-22-2	Phenanthrene-d10	478000	11.327			
1719-03-5	Chrysene-d12	307000	13.968			
1520-96-3	Perylene-d12	308000	15.421			

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: **BF141353.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02MSD	SDG No.:	Q1194
Lab Sample ID:	Q1194-04MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141353.D	1	01/28/25 09:56	02/01/25 00:57	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	330	J	280	510	ug/Kg
108-95-2	Phenol	2100		130	260	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2200		130	260	ug/Kg
95-57-8	2-Chlorophenol	2200		130	260	ug/Kg
95-48-7	2-Methylphenol	2000		120	260	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2100		140	260	ug/Kg
98-86-2	Acetophenone	2100		130	260	ug/Kg
65794-96-9	3+4-Methylphenols	2200		120	510	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2100		62.2	120	ug/Kg
67-72-1	Hexachloroethane	2100		130	260	ug/Kg
98-95-3	Nitrobenzene	2100		140	260	ug/Kg
78-59-1	Isophorone	2200		130	260	ug/Kg
88-75-5	2-Nitrophenol	2200		150	260	ug/Kg
105-67-9	2,4-Dimethylphenol	2600		140	260	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2100		130	260	ug/Kg
120-83-2	2,4-Dichlorophenol	2200		120	260	ug/Kg
91-20-3	Naphthalene	2000		130	260	ug/Kg
106-47-8	4-Chloroaniline	600		130	260	ug/Kg
87-68-3	Hexachlorobutadiene	2000		130	260	ug/Kg
105-60-2	Caprolactam	2100		130	510	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2100		120	260	ug/Kg
91-57-6	2-Methylnaphthalene	2100		130	260	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6600	E	240	510	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2200		110	260	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2100		110	260	ug/Kg
92-52-4	1,1-Biphenyl	2100		130	260	ug/Kg
91-58-7	2-Chloronaphthalene	2000		130	260	ug/Kg
88-74-4	2-Nitroaniline	2200		150	260	ug/Kg
131-11-3	Dimethylphthalate	2200		130	260	ug/Kg

Raw Data: **BF141353.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:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02MSD	SDG No.:	Q1194
Lab Sample ID:	Q1194-04MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141353.D	1	01/28/25 09:56	02/01/25 00:57	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	2200		130	260	ug/Kg
606-20-2	2,6-Dinitrotoluene	2100		130	260	ug/Kg
99-09-2	3-Nitroaniline	1400		140	260	ug/Kg
83-32-9	Acenaphthene	2300		130	260	ug/Kg
51-28-5	2,4-Dinitrophenol	4800	E	370	510	ug/Kg
100-02-7	4-Nitrophenol	3600		180	510	ug/Kg
132-64-9	Dibenzofuran	2100		130	260	ug/Kg
121-14-2	2,4-Dinitrotoluene	2100		130	260	ug/Kg
84-66-2	Diethylphthalate	2200		120	260	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2000		130	260	ug/Kg
86-73-7	Fluorene	2000		130	260	ug/Kg
100-01-6	4-Nitroaniline	1900		170	260	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2700		180	510	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2400		130	260	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2400		120	260	ug/Kg
118-74-1	Hexachlorobenzene	2300		130	260	ug/Kg
1912-24-9	Atrazine	2300		140	260	ug/Kg
87-86-5	Pentachlorophenol	4100		120	510	ug/Kg
85-01-8	Phenanthrene	2200		130	260	ug/Kg
120-12-7	Anthracene	2300		130	260	ug/Kg
86-74-8	Carbazole	2000		120	260	ug/Kg
84-74-2	Di-n-butylphthalate	2300		130	260	ug/Kg
206-44-0	Fluoranthene	2000		130	260	ug/Kg
129-00-0	Pyrene	1700		130	260	ug/Kg
85-68-7	Butylbenzylphthalate	2000		150	260	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1600		150	510	ug/Kg
56-55-3	Benzo(a)anthracene	2000		120	260	ug/Kg
218-01-9	Chrysene	2200		120	260	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2100		140	260	ug/Kg
117-84-0	Di-n-octyl phthalate	2500		170	510	ug/Kg
205-99-2	Benzo(b)fluoranthene	2200		130	260	ug/Kg

Raw Data: **BF141353.D**

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

Client:	Portal Partners Tri-Venture	Date Collected:	01/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	01/27/25
Client Sample ID:	B-113-SB02MSD	SDG No.:	Q1194
Lab Sample ID:	Q1194-04MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	64.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141353.D	1	01/28/25 09:56	02/01/25 00:57	PB166294

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	2600		130	260	ug/Kg
50-32-8	Benzo(a)pyrene	2400		140	260	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		120	260	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		130	260	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		120	260	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2100		130	260	ug/Kg
123-91-1	1,4-Dioxane	1900		170	260	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2200		120	260	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	92.8		30 (18) - 130 (112)	62%	SPK: 150
13127-88-3	Phenol-d6	89.2		30 (15) - 130 (107)	59%	SPK: 150
4165-60-0	Nitrobenzene-d5	64.3		30 (18) - 130 (107)	64%	SPK: 100
321-60-8	2-Fluorobiphenyl	60.9		30 (20) - 130 (109)	61%	SPK: 100
118-79-6	2,4,6-Tribromophenol	88.9		30 (10) - 130 (116)	59%	SPK: 150
1718-51-0	Terphenyl-d14	49.9		30 (10) - 130 (105)	50%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	150000	6.798			
1146-65-2	Naphthalene-d8	590000	8.081			
15067-26-2	Acenaphthene-d10	305000	9.839			
1517-22-2	Phenanthrene-d10	447000	11.327			
1719-03-5	Chrysene-d12	290000	13.968			
1520-96-3	Perylene-d12	292000	15.415			

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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 29 17:41:25 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF141290.D 5 =BF141291.D 10 =BF141292.D 20 =BF141293.D 40 =BF141294.D 50 =BF141295.D 60 =BF141296.D 80 =BF1412
97.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.600	0.603	0.597	0.538	0.574	0.569	0.530	0.573	5.19
3)		Pyridine		1.364	1.410	1.450	1.320	1.394	1.404	1.322	1.380	3.46
4)		n-Nitrosodimet...		0.770	0.789	0.824	0.751	0.803	0.813	0.771	0.789	3.32
5)	S	2-Fluorophenol		1.428	1.391	1.402	1.201	1.267	1.268	1.163	1.303	8.03
6)		Aniline		1.480	1.511	1.542	1.359	1.404	1.350	1.174	1.403	8.93
7)	S	Phenol-d6		1.841	1.800	1.743	1.520	1.611	1.611	1.475	1.657	8.47
8)		2-Chlorophenol		1.535	1.510	1.487	1.297	1.353	1.355	1.237	1.396	8.24
9)		Benzaldehyde		1.166	1.130	1.104	0.895	0.861	0.837	0.727	0.960	17.81
10)	C	Phenol		1.938	1.879	1.884	1.643	1.696	1.704	1.554	1.757	8.22
11)		bis(2-Chloroet...		1.478	1.413	1.426	1.232	1.299	1.329	1.253	1.347	6.93
12)		1,3-Dichlorobe...		1.697	1.668	1.648	1.429	1.499	1.474	1.362	1.540	8.49
13)	C	1,4-Dichlorobe...		1.719	1.663	1.659	1.432	1.502	1.487	1.365	1.547	8.66
14)		1,2-Dichlorobe...		1.629	1.609	1.565	1.338	1.392	1.366	1.240	1.448	10.46
15)		Benzyl Alcohol		1.138	1.201	1.216	1.082	1.137	1.125	1.028	1.133	5.72
16)		2,2'-oxybis(1-...		2.533	2.484	2.495	2.189	2.296	2.287	2.112	2.342	7.01
17)		2-Methylphenol		1.237	1.175	1.210	1.042	1.107	1.120	1.053	1.135	6.62
18)		Hexachloroethane		0.609	0.612	0.610	0.530	0.560	0.561	0.513	0.571	7.09
19)	P	n-Nitroso-di-n...	1.084	1.052	1.060	1.032	0.895	0.936	0.945	0.874	0.985	8.27
20)		3+4-Methylphenols		1.561	1.564	1.502	1.287	1.331	1.323	1.186	1.393	10.65
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.547	0.523	0.517	0.436	0.449	0.443	0.412	0.475	11.06
23)	S	Nitrobenzene-d5		0.405	0.396	0.406	0.354	0.373	0.373	0.349	0.379	6.14
24)		Nitrobenzene		0.418	0.411	0.420	0.371	0.385	0.389	0.358	0.393	6.14
25)		Isophorone		0.698	0.685	0.694	0.611	0.640	0.648	0.615	0.656	5.62
26)	C	2-Nitrophenol		0.176	0.187	0.199	0.177	0.189	0.191	0.179	0.185	4.66
27)		2,4-Dimethylph...		0.244	0.239	0.249	0.224	0.235	0.238	0.223	0.236	4.12
28)		bis(2-Chloroet...		0.454	0.440	0.445	0.389	0.405	0.411	0.384	0.418	6.70
29)	C	2,4-Dichloroph...		0.307	0.300	0.312	0.271	0.284	0.286	0.262	0.289	6.39
30)		1,2,4-Trichlor...		0.372	0.354	0.354	0.304	0.318	0.316	0.292	0.330	9.11
31)		Naphthalene		1.193	1.145	1.140	0.976	1.020	1.002	0.919	1.057	9.72
32)		Benzoic acid		0.140	0.178	0.238	0.221	0.241	0.259	0.242	0.217	19.59
33)		4-Chloroaniline		0.382	0.378	0.391	0.338	0.351	0.349	0.318	0.358	7.38
34)	C	Hexachlorobuta...		0.209	0.207	0.209	0.179	0.190	0.187	0.174	0.194	7.52
35)		Caprolactam		0.097	0.095	0.102	0.089	0.094	0.096	0.089	0.094	4.89
36)	C	4-Chloro-3-met...		0.328	0.328	0.334	0.287	0.301	0.307	0.283	0.310	6.71
37)		2-Methylnaphth...		0.755	0.732	0.724	0.624	0.643	0.639	0.583	0.672	9.68
38)		1-Methylnaphth...		0.757	0.723	0.711	0.606	0.625	0.623	0.573	0.660	10.56

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF012925.M

39)	I	Acenaphthene-d10	----------ISTD----------							
40)		1,2,4,5-Tetrac...	0.615	0.613	0.603	0.534	0.555	0.551	0.512	0.569	7.25
41)	P	Hexachlorocycl...	0.136	0.157	0.174	0.172	0.182	0.181	0.174	0.168	9.69
42)	S	2,4,6-Tribromo...	0.198	0.198	0.198	0.173	0.175	0.179	0.163	0.183	7.98
43)	C	2,4,6-Trichlor...	0.381	0.380	0.390	0.364	0.375	0.369	0.347	0.372	3.79
44)		2,4,5-Trichlor...	0.429	0.425	0.429	0.377	0.391	0.403	0.383	0.405	5.50
45)	S	2-Fluorobiphenyl	1.597	1.464	1.398	1.184	1.202	1.168	1.083	1.299	14.48
46)		1,1'-Biphenyl	1.810	1.692	1.650	1.454	1.492	1.460	1.360	1.560	10.27
47)		2-Chloronaphth...	1.396	1.310	1.290	1.122	1.159	1.156	1.077	1.216	9.59
48)		2-Nitroaniline	0.386	0.389	0.407	0.364	0.382	0.385	0.364	0.382	3.91
49)		Acenaphthylene	1.921	1.854	1.815	1.595	1.620	1.612	1.495	1.702	9.38
50)		Dimethylphthalate	1.498	1.456	1.445	1.239	1.299	1.296	1.223	1.351	8.34
51)		2,6-Dinitrotol...	0.333	0.331	0.333	0.296	0.304	0.309	0.290	0.314	5.90
52)	C	Acenaphthene	1.361	1.300	1.291	1.128	1.170	1.180	1.079	1.216	8.46
53)		3-Nitroaniline	0.321	0.330	0.341	0.303	0.293	0.298	0.264	0.307	8.44
54)	P	2,4-Dinitrophenol		0.102	0.136	0.147	0.156	0.169	0.164	0.146	16.81
55)		Dibenzofuran	1.869	1.788	1.755	1.518	1.525	1.539	1.398	1.627	10.72
56)	P	4-Nitrophenol	0.187	0.215	0.251	0.224	0.231	0.244	0.222	0.225	9.21
57)		2,4-Dinitrotol...	0.424	0.431	0.443	0.386	0.392	0.404	0.362	0.406	7.03
58)		Fluorene	1.512	1.410	1.353	1.167	1.164	1.172	1.059	1.262	12.96
59)		2,3,4,6-Tetrac...	0.325	0.343	0.341	0.304	0.305	0.324	0.291	0.319	6.11
60)		Diethylphthalate	1.470	1.417	1.412	1.225	1.238	1.260	1.146	1.310	9.32
61)		4-Chlorophenyl...	0.738	0.694	0.659	0.567	0.565	0.571	0.522	0.617	13.04
62)		4-Nitroaniline	0.297	0.312	0.330	0.290	0.294	0.311	0.281	0.302	5.45
63)		Azobenzene	1.464	1.411	1.390	1.224	1.249	1.276	1.162	1.311	8.51
64)	I	Phenanthrene-d10	----------ISTD----------							
65)		4,6-Dinitro-2-...	0.080	0.105	0.122	0.125	0.131	0.134	0.131	0.118	16.29
66)	c	n-Nitrosodiphe...	0.716	0.684	0.674	0.626	0.622	0.614	0.593	0.647	6.89
67)		4-Bromophenyl-...	0.235	0.234	0.234	0.217	0.218	0.220	0.210	0.224	4.57
68)		Hexachlorobenzene	0.257	0.250	0.248	0.229	0.229	0.232	0.217	0.238	6.07
69)		Atrazine	0.211	0.202	0.213	0.213	0.215	0.235	0.224	0.216	4.86
70)	C	Pentachlorophenol	0.112	0.136	0.146	0.143	0.146	0.149	0.141	0.139	9.08
71)		Phenanthrene	1.233	1.170	1.142	1.025	1.008	1.010	0.937	1.075	9.96
72)		Anthracene	1.179	1.146	1.120	1.009	0.999	0.996	0.924	1.053	9.00
73)		Carbazole	1.019	1.014	1.021	0.899	0.878	0.900	0.807	0.934	9.04
74)		Di-n-butylphth...	1.244	1.239	1.245	1.086	1.051	1.081	0.978	1.132	9.65
75)	C	Fluoranthene	1.195	1.202	1.196	1.013	0.963	0.982	0.880	1.062	12.57
76)	I	Chrysene-d12	----------ISTD----------							
77)		Benzidine	0.882	0.480	0.210	0.730	0.906	0.724	0.556	0.641	38.34
78)		Pyrene	2.178	2.063	2.002	1.754	1.870	1.898	1.674	1.920	9.14
79)	S	Terphenyl-d14	1.543	1.411	1.370	1.183	1.238	1.230	1.103	1.297	11.68
80)		Butylbenzylpht...	0.686	0.690	0.739	0.626	0.657	0.688	0.610	0.671	6.49
81)		Benzo(a)anthra...	1.532	1.410	1.453	1.270	1.375	1.355	1.265	1.380	6.96
82)		3,3'-Dichlorob...	0.412	0.422	0.427	0.418	0.478	0.466	0.449	0.439	5.82
83)		Chrysene	1.332	1.325	1.342	1.136	1.267	1.243	1.210	1.265	5.98
84)		Bis(2-ethylhex...	0.882	0.903	0.956	0.785	0.831	0.834	0.764	0.851	7.93
85)	c	Di-n-octyl pht...	1.194	1.267	1.438	1.230	1.365	1.406	1.352	1.321	6.98

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF012925.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.217	1.268	1.337	1.257	1.348	1.322	1.287	1.291	3.67
88)		Benzo(b)fluora...	1.358	1.382	1.328	1.120	1.265	1.218	1.136	1.258	8.33
89)		Benzo(k)fluora...	1.167	1.114	1.274	1.083	1.049	1.060	1.054	1.114	7.32
90)	C	Benzo(a)pyrene	1.118	1.059	1.131	1.011	1.061	1.051	1.010	1.063	4.44
91)		Dibenzo(a,h)an...	0.966	1.001	1.101	1.016	1.087	1.071	1.028	1.039	4.73
92)		Benzo(g,h,i)pe...	1.011	1.075	1.139	1.043	1.123	1.105	1.063	1.080	4.22

(#) = Out of Range

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 01/30/2025 08:54

Lab File ID: BF141301.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.303	1.194		-8.4	
Benzaldehyde	0.960	0.852		-11.3	
Phenol-d6	1.657	1.545		-6.8	
Phenol	1.757	1.657		-5.7	20.0
bis(2-Chloroethyl)ether	1.347	1.242		-7.8	
2-Chlorophenol	1.396	1.317		-5.7	
2-Methylphenol	1.135	1.057		-6.9	
2,2-oxybis(1-Chloropropane)	2.342	2.216		-5.4	
Acetophenone	0.475	0.435		-8.4	
3+4-Methylphenols	1.393	1.298		-6.8	
n-Nitroso-di-n-propylamine	0.985	0.911	0.050	-7.5	
Nitrobenzene-d5	0.379	0.356		-6.1	
Hexachloroethane	0.571	0.533		-6.7	
Nitrobenzene	0.393	0.370		-5.9	
Isophorone	0.656	0.621		-5.3	
2-Nitrophenol	0.185	0.177		-4.3	20.0
2,4-Dimethylphenol	0.236	0.227		-3.8	
bis(2-Chloroethoxy)methane	0.418	0.394		-5.7	
2,4-Dichlorophenol	0.289	0.273		-5.5	20.0
Naphthalene	1.057	0.980		-7.3	
4-Chloroaniline	0.358	0.341		-4.7	
Hexachlorobutadiene	0.194	0.181		-6.7	20.0
Caprolactam	0.094	0.091		-3.2	
4-Chloro-3-methylphenol	0.310	0.295		-4.8	20.0
2-Methylnaphthalene	0.672	0.622		-7.4	
Hexachlorocyclopentadiene	0.168	0.172	0.050	2.4	
2,4,6-Trichlorophenol	0.372	0.361		-3.0	20.0
2-Fluorobiphenyl	1.299	1.166		-10.2	
2,4,5-Trichlorophenol	0.405	0.374		-7.7	
1,1-Biphenyl	1.560	1.444		-7.4	
2-Chloronaphthalene	1.216	1.115		-8.3	
2-Nitroaniline	0.382	0.364		-4.7	
Dimethylphthalate	1.351	1.260		-6.7	
Acenaphthylene	1.702	1.594		-6.3	
2,6-Dinitrotoluene	0.314	0.293		-6.7	
3-Nitroaniline	0.307	0.296		-3.6	
Acenaphthene	1.216	1.130		-7.1	20.0
2,4-Dinitrophenol	0.146	0.139	0.050	-4.8	
4-Nitrophenol	0.225	0.221	0.050	-1.8	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 01/30/2025 08:54

Lab File ID: BF141301.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.627	1.502		-7.7	
2,4-Dinitrotoluene	0.406	0.387		-4.7	
Diethylphthalate	1.310	1.217		-7.1	
4-Chlorophenyl-phenylether	0.617	0.568		-7.9	
Fluorene	1.262	1.151		-8.8	
4-Nitroaniline	0.302	0.294		-2.6	
4,6-Dinitro-2-methylphenol	0.118	0.123		4.2	
n-Nitrosodiphenylamine	0.647	0.610		-5.7	20.0
2,4,6-Tribromophenol	0.183	0.174		-4.9	
4-Bromophenyl-phenylether	0.224	0.216		-3.6	
Hexachlorobenzene	0.238	0.229		-3.8	
Atrazine	0.216	0.194		-10.2	
Pentachlorophenol	0.139	0.142		2.2	20.0
Phenanthrene	1.075	1.008		-6.2	
Anthracene	1.053	0.988		-6.2	
Carbazole	0.934	0.889		-4.8	
Di-n-butylphthalate	1.132	1.094		-3.4	
Fluoranthene	1.062	1.005		-5.4	20.0
Pyrene	1.920	1.777		-7.4	
Terphenyl-d14	1.297	1.185		-8.6	
Butylbenzylphthalate	0.671	0.641		-4.5	
3,3-Dichlorobenzidine	0.439	0.407		-7.3	
Benzo(a)anthracene	1.380	1.214		-12.0	
Chrysene	1.265	1.188		-6.1	
Bis(2-ethylhexyl)phthalate	0.851	0.798		-6.2	
Di-n-octyl phthalate	1.321	1.218		-7.8	20.0
Benzo(b)fluoranthene	1.258	1.162		-7.6	
Benzo(k)fluoranthene	1.114	1.056		-5.2	
Benzo(a)pyrene	1.063	1.010		-5.0	20.0
Indeno(1,2,3-cd)pyrene	1.291	1.200		-7.0	
Dibenzo(a,h)anthracene	1.039	0.965		-7.1	
Benzo(g,h,i)perylene	1.080	0.995		-7.9	
1,2,4,5-Tetrachlorobenzene	0.569	0.533		-6.3	
1,4-Dioxane	0.573	0.542		-5.4	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.312		-2.2	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 01/31/2025 17:19

Lab File ID: BF141336.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.303	1.218		-6.5	
Benzaldehyde	0.960	0.972		1.3	
Phenol-d6	1.657	1.534		-7.4	
Phenol	1.757	1.652		-6.0	20.0
bis(2-Chloroethyl)ether	1.347	1.267		-5.9	
2-Chlorophenol	1.396	1.307		-6.4	
2-Methylphenol	1.135	1.062		-6.4	
2,2-oxybis(1-Chloropropane)	2.342	2.199		-6.1	
Acetophenone	0.475	0.424		-10.7	
3+4-Methylphenols	1.393	1.318		-5.4	
n-Nitroso-di-n-propylamine	0.985	0.946	0.050	-4.0	
Nitrobenzene-d5	0.379	0.348		-8.2	
Hexachloroethane	0.571	0.536		-6.1	
Nitrobenzene	0.393	0.365		-7.1	
Isophorone	0.656	0.622		-5.2	
2-Nitrophenol	0.185	0.175		-5.4	20.0
2,4-Dimethylphenol	0.236	0.224		-5.1	
bis(2-Chloroethoxy)methane	0.418	0.386		-7.7	
2,4-Dichlorophenol	0.289	0.272		-5.9	20.0
Naphthalene	1.057	0.966		-8.6	
4-Chloroaniline	0.358	0.329		-8.1	
Hexachlorobutadiene	0.194	0.179		-7.7	20.0
Caprolactam	0.094	0.091		-3.2	
4-Chloro-3-methylphenol	0.310	0.341		10.0	20.0
2-Methylnaphthalene	0.672	0.618		-8.0	
Hexachlorocyclopentadiene	0.168	0.159	0.050	-5.4	
2,4,6-Trichlorophenol	0.372	0.365		-1.9	20.0
2-Fluorobiphenyl	1.299	1.148		-11.6	
2,4,5-Trichlorophenol	0.405	0.381		-5.9	
1,1-Biphenyl	1.560	1.427		-8.5	
2-Chloronaphthalene	1.216	1.102		-9.4	
2-Nitroaniline	0.382	0.366		-4.2	
Dimethylphthalate	1.351	1.290		-4.5	
Acenaphthylene	1.702	1.577		-7.3	
2,6-Dinitrotoluene	0.314	0.300		-4.5	
3-Nitroaniline	0.307	0.292		-4.9	
Acenaphthene	1.216	1.127		-7.3	20.0
2,4-Dinitrophenol	0.146	0.150	0.050	2.7	
4-Nitrophenol	0.225	0.300	0.050	33.3	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 01/31/2025 17:19

Lab File ID: BF141336.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.627	1.481		-9.0	
2,4-Dinitrotoluene	0.406	0.427		5.2	
Diethylphthalate	1.310	1.249		-4.7	
4-Chlorophenyl-phenylether	0.617	0.562		-8.9	
Fluorene	1.262	1.151		-8.8	
4-Nitroaniline	0.302	0.288		-4.6	
4,6-Dinitro-2-methylphenol	0.118	0.131		11.0	
n-Nitrosodiphenylamine	0.647	0.627		-3.1	20.0
2,4,6-Tribromophenol	0.183	0.177		-3.3	
4-Bromophenyl-phenylether	0.224	0.220		-1.8	
Hexachlorobenzene	0.238	0.232		-2.5	
Atrazine	0.216	0.184		-14.8	
Pentachlorophenol	0.139	0.186		33.8	20.0
Phenanthrene	1.075	1.016		-5.5	
Anthracene	1.053	0.999		-5.1	
Carbazole	0.934	0.892		-4.5	
Di-n-butylphthalate	1.132	1.116		-1.4	
Fluoranthene	1.062	1.011		-4.8	20.0
Pyrene	1.920	1.949		1.5	
Terphenyl-d14	1.297	1.177		-9.3	
Butylbenzylphthalate	0.671	0.656		-2.2	
3,3-Dichlorobenzidine	0.439	0.397		-9.6	
Benzo(a)anthracene	1.380	1.181		-14.4	
Chrysene	1.265	1.179		-6.8	
Bis(2-ethylhexyl)phthalate	0.851	0.815		-4.2	
Di-n-octyl phthalate	1.321	1.285		-2.7	20.0
Benzo(b)fluoranthene	1.258	1.168		-7.2	
Benzo(k)fluoranthene	1.114	1.042		-6.5	
Benzo(a)pyrene	1.063	0.991		-6.8	20.0
Indeno(1,2,3-cd)pyrene	1.291	1.238		-4.1	
Dibenzo(a,h)anthracene	1.039	0.999		-3.8	
Benzo(g,h,i)perylene	1.080	1.050		-2.8	
1,2,4,5-Tetrachlorobenzene	0.569	0.515		-9.5	
1,4-Dioxane	0.573	0.545		-4.9	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.310		-2.8	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 02/03/2025 11:24

Lab File ID: BF141361.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.303	1.313		0.8	
Benzaldehyde	0.960	0.989		3.0	
Phenol-d6	1.657	1.641		-1.0	
Phenol	1.757	1.726		-1.8	20.0
bis(2-Chloroethyl)ether	1.347	1.302		-3.3	
2-Chlorophenol	1.396	1.420		1.7	
2-Methylphenol	1.135	1.098		-3.3	
2,2-oxybis(1-Chloropropane)	2.342	2.200		-6.1	
Acetophenone	0.475	0.501		5.5	
3+4-Methylphenols	1.393	1.446		3.8	
n-Nitroso-di-n-propylamine	0.985	0.973	0.050	-1.2	
Nitrobenzene-d5	0.379	0.397		4.7	
Hexachloroethane	0.571	0.590		3.3	
Nitrobenzene	0.393	0.407		3.6	
Isophorone	0.656	0.653		-0.5	
2-Nitrophenol	0.185	0.192		3.8	20.0
2,4-Dimethylphenol	0.236	0.234		-0.8	
bis(2-Chloroethoxy)methane	0.418	0.414		-1.0	
2,4-Dichlorophenol	0.289	0.297		2.8	20.0
Naphthalene	1.057	1.079		2.1	
4-Chloroaniline	0.358	0.348		-2.8	
Hexachlorobutadiene	0.194	0.207		6.7	20.0
Caprolactam	0.094	0.095		1.1	
4-Chloro-3-methylphenol	0.310	0.324		4.5	20.0
2-Methylnaphthalene	0.672	0.690		2.7	
Hexachlorocyclopentadiene	0.168	0.185	0.050	10.1	
2,4,6-Trichlorophenol	0.372	0.384		3.2	20.0
2-Fluorobiphenyl	1.299	1.315		1.2	
2,4,5-Trichlorophenol	0.405	0.416		2.7	
1,1-Biphenyl	1.560	1.548		-0.8	
2-Chloronaphthalene	1.216	1.208		-0.7	
2-Nitroaniline	0.382	0.392		2.6	
Dimethylphthalate	1.351	1.368		1.3	
Acenaphthylene	1.702	1.699		-0.2	
2,6-Dinitrotoluene	0.314	0.315		0.3	
3-Nitroaniline	0.307	0.322		4.9	
Acenaphthene	1.216	1.239		1.9	20.0
2,4-Dinitrophenol	0.146	0.163	0.050	11.6	
4-Nitrophenol	0.225	0.256	0.050	13.8	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 02/03/2025 11:24

Lab File ID: BF141361.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.627	1.650		1.4	
2,4-Dinitrotoluene	0.406	0.426		4.9	
Diethylphthalate	1.310	1.343		2.5	
4-Chlorophenyl-phenylether	0.617	0.635		2.9	
Fluorene	1.262	1.311		3.9	
4-Nitroaniline	0.302	0.331		9.6	
4,6-Dinitro-2-methylphenol	0.118	0.139		17.8	
n-Nitrosodiphenylamine	0.647	0.658		1.7	20.0
2,4,6-Tribromophenol	0.183	0.200		9.3	
4-Bromophenyl-phenylether	0.224	0.234		4.5	
Hexachlorobenzene	0.238	0.249		4.6	
Atrazine	0.216	0.216		0.0	
Pentachlorophenol	0.139	0.152		9.4	20.0
Phenanthrene	1.075	1.130		5.1	
Anthracene	1.053	1.117		6.1	
Carbazole	0.934	1.033		10.6	
Di-n-butylphthalate	1.132	1.220		7.8	
Fluoranthene	1.062	1.211		14.0	20.0
Pyrene	1.920	1.679		-12.6	
Terphenyl-d14	1.297	1.144		-11.8	
Butylbenzylphthalate	0.671	0.642		-4.3	
3,3-Dichlorobenzidine	0.439	0.436		-0.7	
Benzo(a)anthracene	1.380	1.322		-4.2	
Chrysene	1.265	1.235		-2.4	
Bis(2-ethylhexyl)phthalate	0.851	0.896		5.3	
Di-n-octyl phthalate	1.321	1.471		11.4	20.0
Benzo(b)fluoranthene	1.258	1.389		10.4	
Benzo(k)fluoranthene	1.114	1.030		-7.5	
Benzo(a)pyrene	1.063	1.103		3.8	20.0
Indeno(1,2,3-cd)pyrene	1.291	1.398		8.3	
Dibenzo(a,h)anthracene	1.039	1.124		8.2	
Benzo(g,h,i)perylene	1.080	1.182		9.4	
1,2,4,5-Tetrachlorobenzene	0.569	0.572		0.5	
1,4-Dioxane	0.573	0.630		9.9	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.342		7.2	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 02/04/2025 10:42

Lab File ID: BF141398.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.303	1.302		-0.1	
Benzaldehyde	0.960	0.893		-7.0	
Phenol-d6	1.657	1.560		-5.9	
Phenol	1.757	1.650		-6.1	20.0
bis(2-Chloroethyl)ether	1.347	1.262		-6.3	
2-Chlorophenol	1.396	1.387		-0.6	
2-Methylphenol	1.135	1.074		-5.4	
2,2-oxybis(1-Chloropropane)	2.342	2.108		-10.0	
Acetophenone	0.475	0.491		3.4	
3+4-Methylphenols	1.393	1.375		-1.3	
n-Nitroso-di-n-propylamine	0.985	0.929	0.050	-5.7	
Nitrobenzene-d5	0.379	0.391		3.2	
Hexachloroethane	0.571	0.583		2.1	
Nitrobenzene	0.393	0.398		1.3	
Isophorone	0.656	0.643		-2.0	
2-Nitrophenol	0.185	0.185		0.0	20.0
2,4-Dimethylphenol	0.236	0.230		-2.5	
bis(2-Chloroethoxy)methane	0.418	0.403		-3.6	
2,4-Dichlorophenol	0.289	0.296		2.4	20.0
Naphthalene	1.057	1.061		0.4	
4-Chloroaniline	0.358	0.347		-3.1	
Hexachlorobutadiene	0.194	0.208		7.2	20.0
Caprolactam	0.094	0.093		-1.1	
4-Chloro-3-methylphenol	0.310	0.325		4.8	20.0
2-Methylnaphthalene	0.672	0.684		1.8	
Hexachlorocyclopentadiene	0.168	0.185	0.050	10.1	
2,4,6-Trichlorophenol	0.372	0.382		2.7	20.0
2-Fluorobiphenyl	1.299	1.328		2.2	
2,4,5-Trichlorophenol	0.405	0.421		4.0	
1,1-Biphenyl	1.560	1.563		0.2	
2-Chloronaphthalene	1.216	1.209		-0.6	
2-Nitroaniline	0.382	0.390		2.1	
Dimethylphthalate	1.351	1.371		1.5	
Acenaphthylene	1.702	1.717		0.9	
2,6-Dinitrotoluene	0.314	0.321		2.2	
3-Nitroaniline	0.307	0.321		4.6	
Acenaphthene	1.216	1.256		3.3	20.0
2,4-Dinitrophenol	0.146	0.165	0.050	13.0	
4-Nitrophenol	0.225	0.257	0.050	14.2	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 02/04/2025 10:42

Lab File ID: BF141398.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.627	1.669		2.6	
2,4-Dinitrotoluene	0.406	0.441		8.6	
Diethylphthalate	1.310	1.374		4.9	
4-Chlorophenyl-phenylether	0.617	0.648		5.0	
Fluorene	1.262	1.306		3.5	
4-Nitroaniline	0.302	0.344		13.9	
4,6-Dinitro-2-methylphenol	0.118	0.137		16.1	
n-Nitrosodiphenylamine	0.647	0.634		-2.0	20.0
2,4,6-Tribromophenol	0.183	0.202		10.4	
4-Bromophenyl-phenylether	0.224	0.225		0.4	
Hexachlorobenzene	0.238	0.243		2.1	
Atrazine	0.216	0.214		-0.9	
Pentachlorophenol	0.139	0.161		15.8	20.0
Phenanthrene	1.075	1.109		3.2	
Anthracene	1.053	1.092		3.7	
Carbazole	0.934	1.029		10.1	
Di-n-butylphthalate	1.132	1.214		7.2	
Fluoranthene	1.062	1.240		16.8	20.0
Pyrene	1.920	1.729		-9.9	
Terphenyl-d14	1.297	1.200		-7.5	
Butylbenzylphthalate	0.671	0.691		3.0	
3,3-Dichlorobenzidine	0.439	0.412		-6.2	
Benzo(a)anthracene	1.380	1.305		-5.4	
Chrysene	1.265	1.270		0.4	
Bis(2-ethylhexyl)phthalate	0.851	0.910		6.9	
Di-n-octyl phthalate	1.321	1.415		7.1	20.0
Benzo(b)fluoranthene	1.258	1.341		6.6	
Benzo(k)fluoranthene	1.114	1.140		2.3	
Benzo(a)pyrene	1.063	1.072		0.8	20.0
Indeno(1,2,3-cd)pyrene	1.291	1.338		3.6	
Dibenzo(a,h)anthracene	1.039	1.068		2.8	
Benzo(g,h,i)perylene	1.080	1.113		3.1	
1,2,4,5-Tetrachlorobenzene	0.569	0.587		3.2	
1,4-Dioxane	0.573	0.555		-3.1	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.341		6.9	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 02/04/2025 15:58

Lab File ID: BF141410.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.303	1.284		-1.5	
Benzaldehyde	0.960	1.013		5.5	
Phenol-d6	1.657	1.572		-5.1	
Phenol	1.757	1.636		-6.9	20.0
bis(2-Chloroethyl)ether	1.347	1.259		-6.5	
2-Chlorophenol	1.396	1.368		-2.0	
2-Methylphenol	1.135	1.080		-4.8	
2,2-oxybis(1-Chloropropane)	2.342	2.088		-10.8	
Acetophenone	0.475	0.494		4.0	
3+4-Methylphenols	1.393	1.396		0.2	
n-Nitroso-di-n-propylamine	0.985	0.944	0.050	-4.2	
Nitrobenzene-d5	0.379	0.388		2.4	
Hexachloroethane	0.571	0.577		1.1	
Nitrobenzene	0.393	0.393		0.0	
Isophorone	0.656	0.640		-2.4	
2-Nitrophenol	0.185	0.192		3.8	20.0
2,4-Dimethylphenol	0.236	0.228		-3.4	
bis(2-Chloroethoxy)methane	0.418	0.398		-4.8	
2,4-Dichlorophenol	0.289	0.292		1.0	20.0
Naphthalene	1.057	1.049		-0.8	
4-Chloroaniline	0.358	0.319		-10.9	
Hexachlorobutadiene	0.194	0.208		7.2	20.0
Caprolactam	0.094	0.093		-1.1	
4-Chloro-3-methylphenol	0.310	0.319		2.9	20.0
2-Methylnaphthalene	0.672	0.673		0.1	
Hexachlorocyclopentadiene	0.168	0.185	0.050	10.1	
2,4,6-Trichlorophenol	0.372	0.385		3.5	20.0
2-Fluorobiphenyl	1.299	1.327		2.2	
2,4,5-Trichlorophenol	0.405	0.420		3.7	
1,1-Biphenyl	1.560	1.554		-0.4	
2-Chloronaphthalene	1.216	1.203		-1.1	
2-Nitroaniline	0.382	0.396		3.7	
Dimethylphthalate	1.351	1.359		0.6	
Acenaphthylene	1.702	1.720		1.1	
2,6-Dinitrotoluene	0.314	0.322		2.5	
3-Nitroaniline	0.307	0.312		1.6	
Acenaphthene	1.216	1.251		2.9	20.0
2,4-Dinitrophenol	0.146	0.175	0.050	19.9	
4-Nitrophenol	0.225	0.248	0.050	10.2	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 02/04/2025 15:58

Lab File ID: BF141410.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.627	1.657		1.8	
2,4-Dinitrotoluene	0.406	0.439		8.1	
Diethylphthalate	1.310	1.369		4.5	
4-Chlorophenyl-phenylether	0.617	0.644		4.4	
Fluorene	1.262	1.315		4.2	
4-Nitroaniline	0.302	0.342		13.2	
4,6-Dinitro-2-methylphenol	0.118	0.142		20.3	
n-Nitrosodiphenylamine	0.647	0.643		-0.6	20.0
2,4,6-Tribromophenol	0.183	0.206		12.6	
4-Bromophenyl-phenylether	0.224	0.229		2.2	
Hexachlorobenzene	0.238	0.248		4.2	
Atrazine	0.216	0.211		-2.3	
Pentachlorophenol	0.139	0.158		13.7	20.0
Phenanthrene	1.075	1.113		3.5	
Anthracene	1.053	1.102		4.7	
Carbazole	0.934	1.020		9.2	
Di-n-butylphthalate	1.132	1.231		8.7	
Fluoranthene	1.062	1.232		16.0	20.0
Pyrene	1.920	1.732		-9.8	
Terphenyl-d14	1.297	1.228		-5.3	
Butylbenzylphthalate	0.671	0.671		0.0	
3,3-Dichlorobenzidine	0.439	0.410		-6.6	
Benzo(a)anthracene	1.380	1.278		-7.4	
Chrysene	1.265	1.238		-2.1	
Bis(2-ethylhexyl)phthalate	0.851	0.877		3.1	
Di-n-octyl phthalate	1.321	1.327		0.5	20.0
Benzo(b)fluoranthene	1.258	1.276		1.4	
Benzo(k)fluoranthene	1.114	1.215		9.1	
Benzo(a)pyrene	1.063	1.092		2.7	20.0
Indeno(1,2,3-cd)pyrene	1.291	1.304		1.0	
Dibenzo(a,h)anthracene	1.039	1.055		1.5	
Benzo(g,h,i)perylene	1.080	1.076		-0.4	
1,2,4,5-Tetrachlorobenzene	0.569	0.587		3.2	
1,4-Dioxane	0.573	0.535		-6.6	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.336		5.3	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 02/05/2025 10:02

Lab File ID: BF141435.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.303	1.295		-0.6	
Benzaldehyde	0.960	0.988		2.9	
Phenol-d6	1.657	1.600		-3.4	
Phenol	1.757	1.663		-5.3	20.0
bis(2-Chloroethyl)ether	1.347	1.263		-6.2	
2-Chlorophenol	1.396	1.383		-0.9	
2-Methylphenol	1.135	1.083		-4.6	
2,2-oxybis(1-Chloropropane)	2.342	2.038		-13.0	
Acetophenone	0.475	0.493		3.8	
3+4-Methylphenols	1.393	1.395		0.1	
n-Nitroso-di-n-propylamine	0.985	0.951	0.050	-3.5	
Nitrobenzene-d5	0.379	0.397		4.5	
Hexachloroethane	0.571	0.582		1.9	
Nitrobenzene	0.393	0.403		2.5	
Isophorone	0.656	0.632		-3.7	
2-Nitrophenol	0.185	0.191		3.2	20.0
2,4-Dimethylphenol	0.236	0.229		-3.0	
bis(2-Chloroethoxy)methane	0.418	0.393		-6.0	
2,4-Dichlorophenol	0.289	0.297		2.8	20.0
Naphthalene	1.057	1.058		0.1	
4-Chloroaniline	0.358	0.335		-6.4	
Hexachlorobutadiene	0.194	0.212		9.3	20.0
Caprolactam	0.094	0.092		-2.1	
4-Chloro-3-methylphenol	0.310	0.323		4.2	20.0
2-Methylnaphthalene	0.672	0.670		-0.3	
Hexachlorocyclopentadiene	0.168	0.166	0.050	-1.2	
2,4,6-Trichlorophenol	0.372	0.385		3.5	20.0
2-Fluorobiphenyl	1.299	1.338		3.0	
2,4,5-Trichlorophenol	0.405	0.418		3.2	
1,1-Biphenyl	1.560	1.536		-1.5	
2-Chloronaphthalene	1.216	1.222		0.5	
2-Nitroaniline	0.382	0.396		3.7	
Dimethylphthalate	1.351	1.345		-0.4	
Acenaphthylene	1.702	1.696		-0.4	
2,6-Dinitrotoluene	0.314	0.319		1.6	
3-Nitroaniline	0.307	0.309		0.7	
Acenaphthene	1.216	1.232		1.3	20.0
2,4-Dinitrophenol	0.146	0.160	0.050	9.6	
4-Nitrophenol	0.225	0.235	0.050	4.4	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_F Calibration Date/Time: 02/05/2025 10:02

Lab File ID: BF141435.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.627	1.626		-0.1	
2,4-Dinitrotoluene	0.406	0.428		5.4	
Diethylphthalate	1.310	1.326		1.2	
4-Chlorophenyl-phenylether	0.617	0.644		4.4	
Fluorene	1.262	1.312		4.0	
4-Nitroaniline	0.302	0.314		4.0	
4,6-Dinitro-2-methylphenol	0.118	0.135		14.4	
n-Nitrosodiphenylamine	0.647	0.657		1.5	20.0
2,4,6-Tribromophenol	0.183	0.197		7.7	
4-Bromophenyl-phenylether	0.224	0.231		3.1	
Hexachlorobenzene	0.238	0.246		3.4	
Atrazine	0.216	0.200		-7.4	
Pentachlorophenol	0.139	0.151		8.6	20.0
Phenanthrene	1.075	1.115		3.7	
Anthracene	1.053	1.101		4.6	
Carbazole	0.934	1.005		7.6	
Di-n-butylphthalate	1.132	1.165		2.9	
Fluoranthene	1.062	1.154		8.7	20.0
Pyrene	1.920	1.874		-2.4	
Terphenyl-d14	1.297	1.290		-0.5	
Butylbenzylphthalate	0.671	0.667		-0.6	
3,3-Dichlorobenzidine	0.439	0.419		-4.6	
Benzo(a)anthracene	1.380	1.310		-5.1	
Chrysene	1.265	1.242		-1.8	
Bis(2-ethylhexyl)phthalate	0.851	0.821		-3.5	
Di-n-octyl phthalate	1.321	1.243		-5.9	20.0
Benzo(b)fluoranthene	1.258	1.327		5.5	
Benzo(k)fluoranthene	1.114	1.082		-2.9	
Benzo(a)pyrene	1.063	1.102		3.7	20.0
Indeno(1,2,3-cd)pyrene	1.291	1.411		9.3	
Dibenzo(a,h)anthracene	1.039	1.133		9.0	
Benzo(g,h,i)perylene	1.080	1.191		10.3	
1,2,4,5-Tetrachlorobenzene	0.569	0.579		1.8	
1,4-Dioxane	0.573	0.500		-12.7	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.335		5.0	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Quant Time: Feb 01 00:05:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

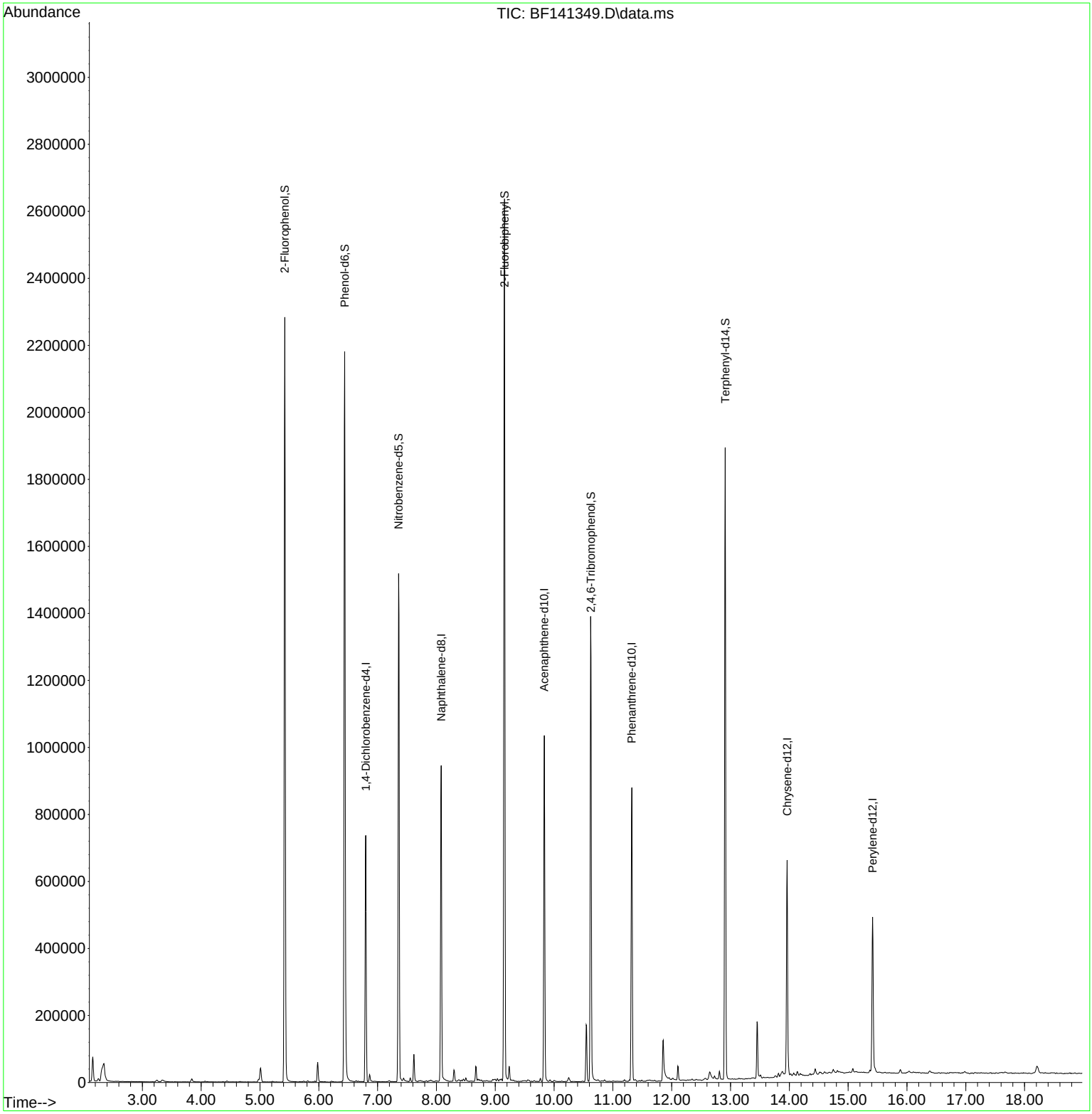
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	146484	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	587603	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	300372	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	443291	20.000	ng	0.00
76) Chrysene-d12	13.963	240	300964	20.000	ng	-0.01
86) Perylene-d12	15.416	264	270058	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	837109	87.732	ng	0.01
7) Phenol-d6	6.440	99	1031120	84.948	ng	0.00
23) Nitrobenzene-d5	7.357	82	669348	60.050	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	223067	81.006	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1158393	59.359	ng	0.00
79) Terphenyl-d14	12.910	244	901846	46.212	ng	0.00
Target Compounds						Qvalue

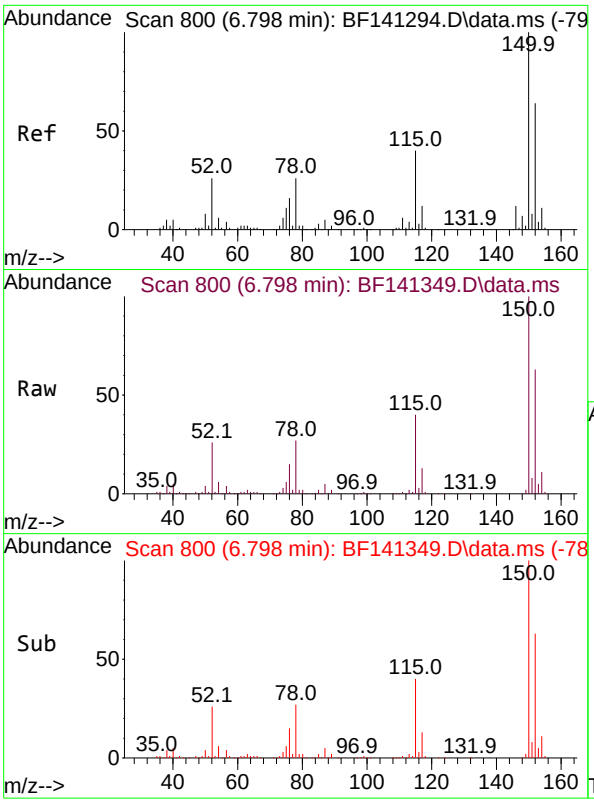
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Quant Time: Feb 01 00:05:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



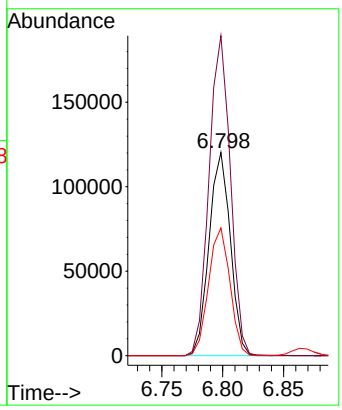


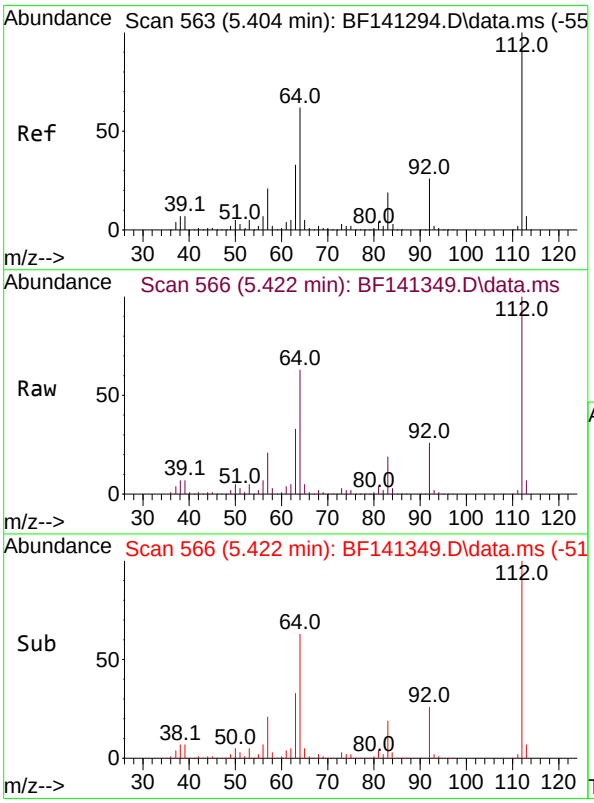
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Tgt Ion:152 Resp: 146484

Ion	Ratio	Lower	Upper
152	100		
150	157.5	125.9	188.9
115	62.9	49.7	74.5

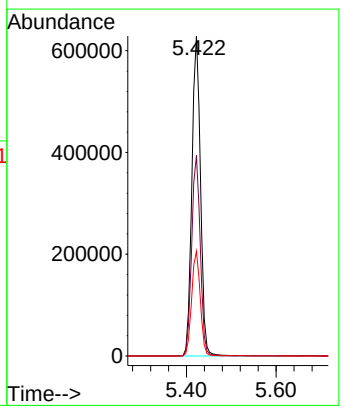


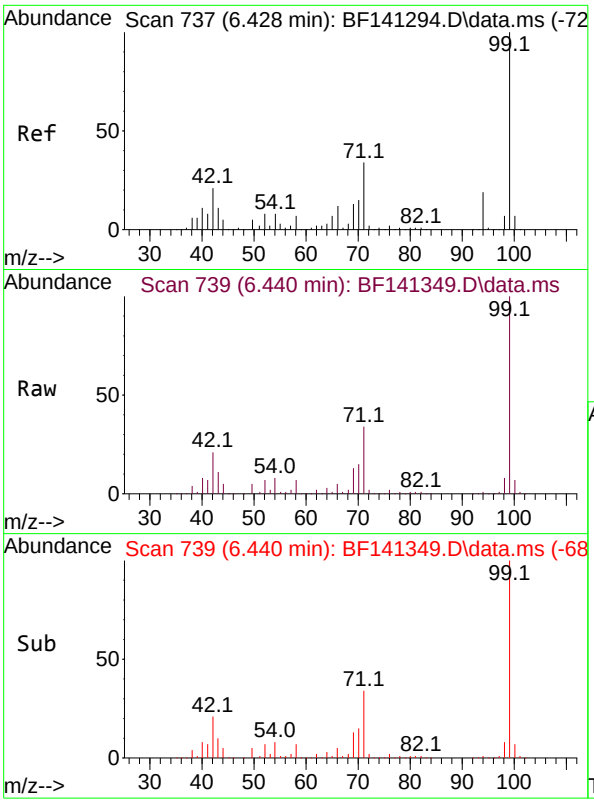


#5
2-Fluorophenol
Concen: 87.732 ng
RT: 5.422 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Tgt Ion:112 Resp: 837109

Ion	Ratio	Lower	Upper
112	100		
64	62.6	49.8	74.8
63	32.8	26.1	39.1



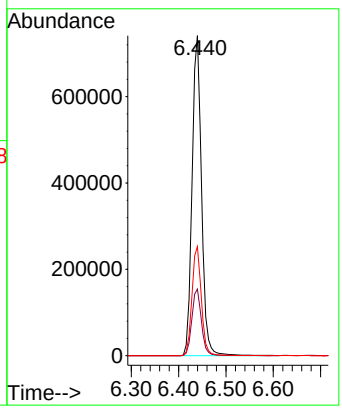


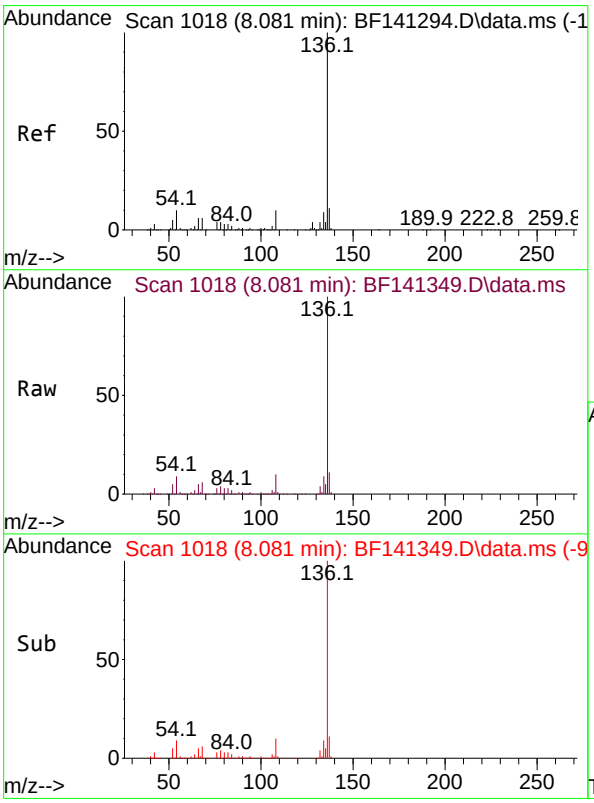
#7
Phenol-d6
Concen: 84.948 ng
RT: 6.440 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Tgt Ion: 99 Resp: 1031120

Ion	Ratio	Lower	Upper
99	100		
42	20.8	17.1	25.7
71	34.1	26.9	40.3

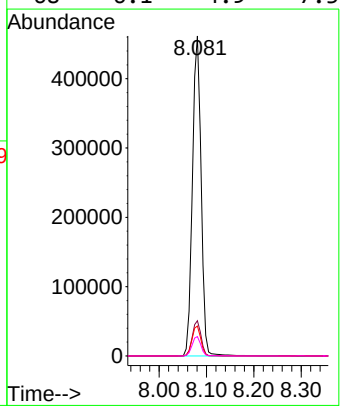


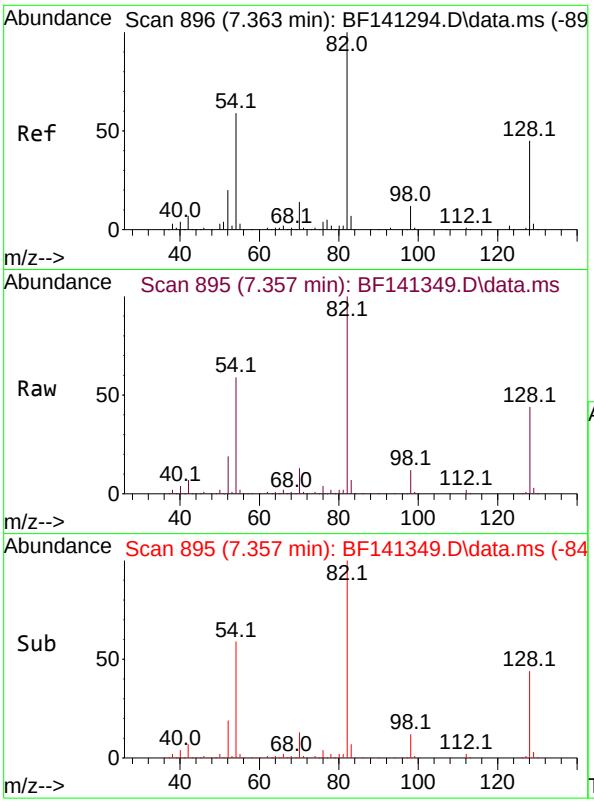


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Tgt Ion:136 Resp: 587603

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	9.3	7.8	11.8
68	6.1	4.9	7.3



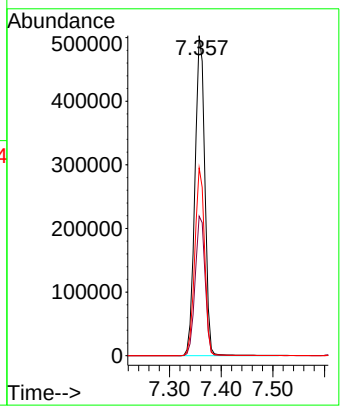


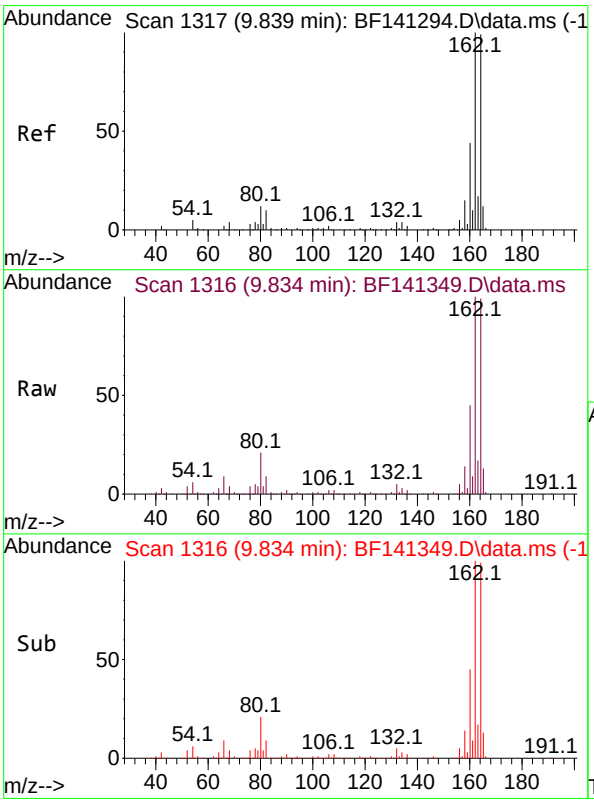
#23
Nitrobenzene-d5
Concen: 60.050 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Tgt Ion: 82 Resp: 669348

Ion	Ratio	Lower	Upper
82	100		
128	43.6	35.7	53.5
54	58.7	47.1	70.7

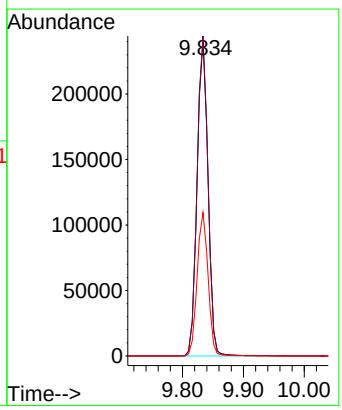


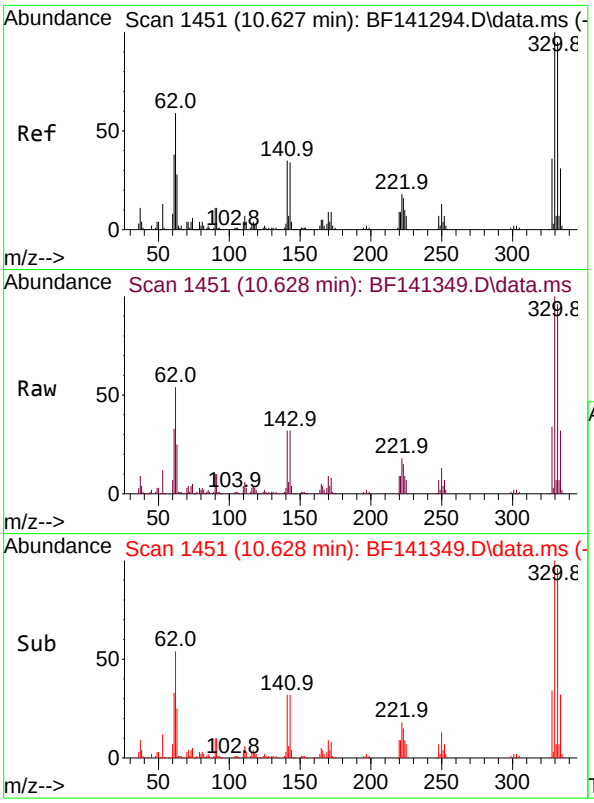


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Tgt Ion:164 Resp: 300372

Ion	Ratio	Lower	Upper
164	100		
162	101.4	80.6	121.0
160	45.5	35.8	53.6



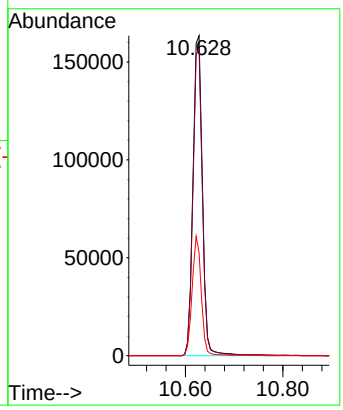


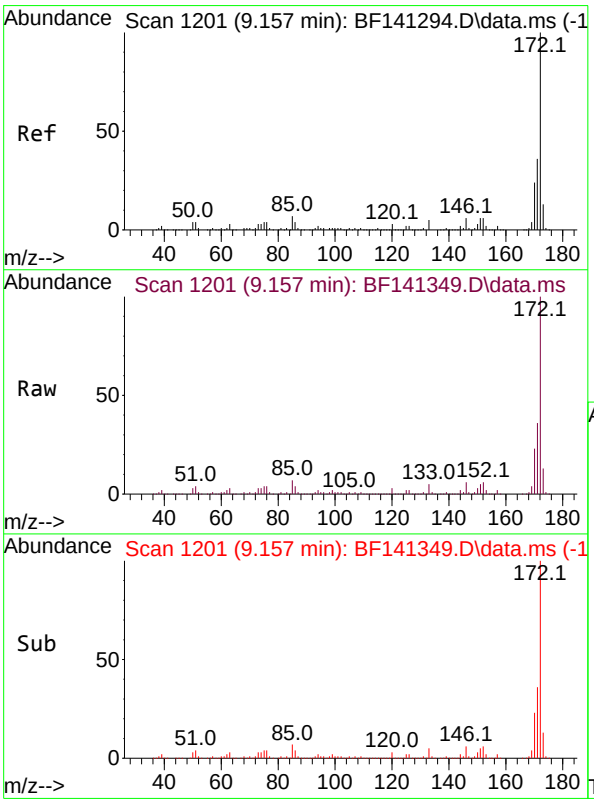
#42
2,4,6-Tribromophenol
Concen: 81.006 ng
RT: 10.628 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Tgt Ion:330 Resp: 223067

Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.1	114.1
141	36.0	28.8	43.2

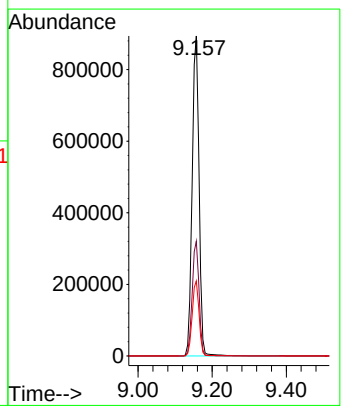


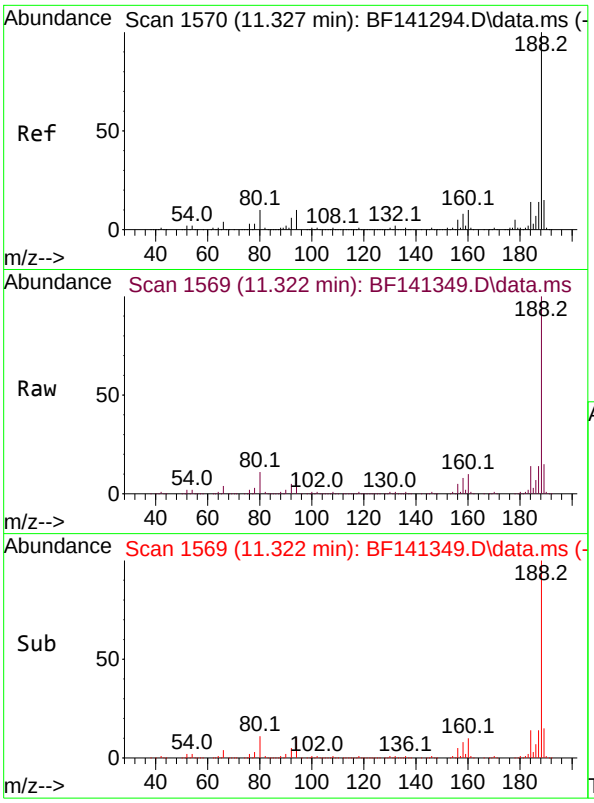


#45
2-Fluorobiphenyl
Concen: 59.359 ng
RT: 9.157 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Tgt Ion:172 Resp: 1158393

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.8	43.2
170	23.4	19.0	28.6



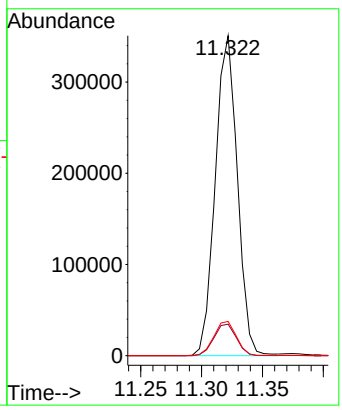


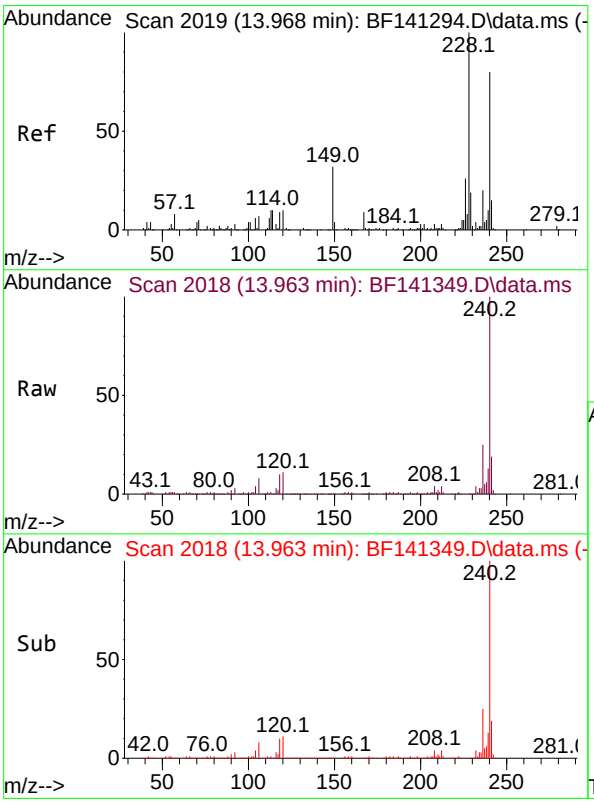
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Tgt Ion:188 Resp: 443291

Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.8	11.6
80	10.7	8.2	12.4

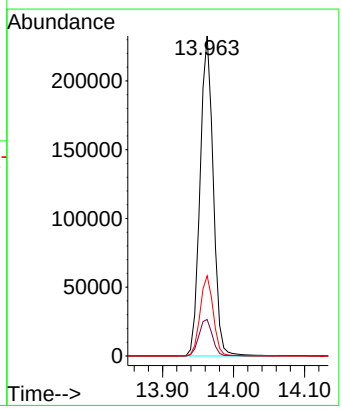


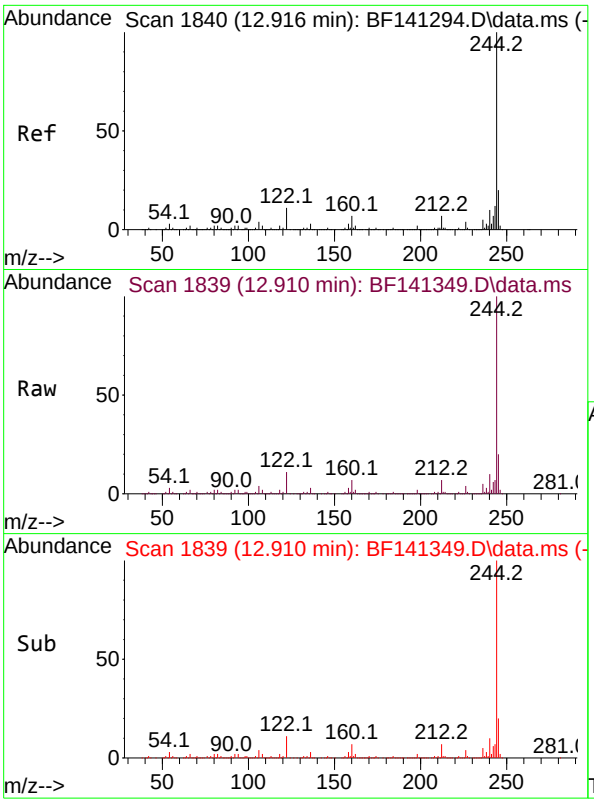


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Tgt Ion:240 Resp: 300964

Ion	Ratio	Lower	Upper
240	100		
120	11.4	10.0	15.0
236	25.1	19.7	29.5



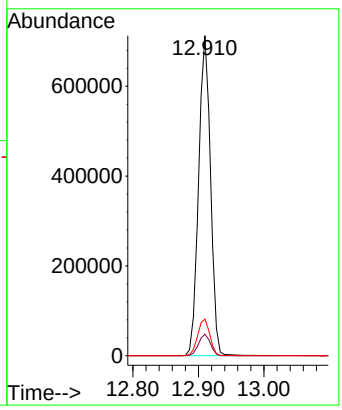


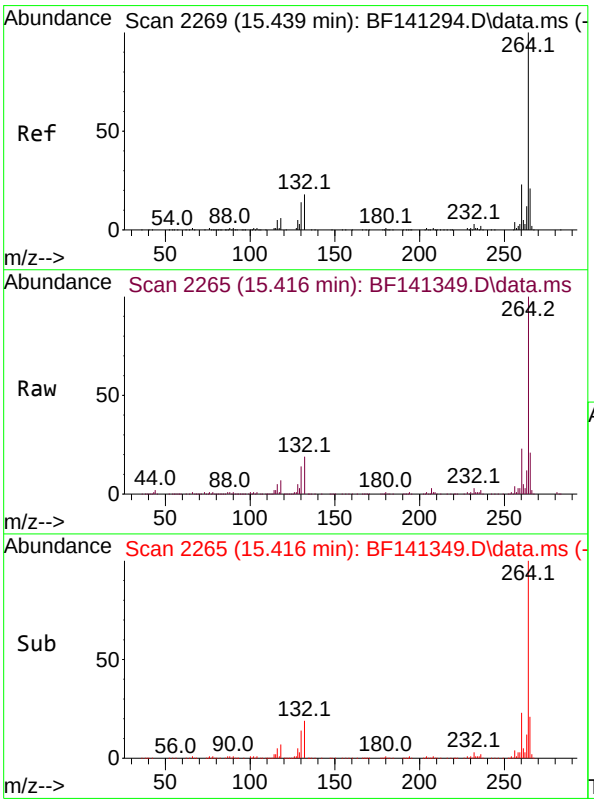
#79
Terphenyl-d14
Concen: 46.212 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Tgt Ion:244 Resp: 901846

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.5	8.8	13.2

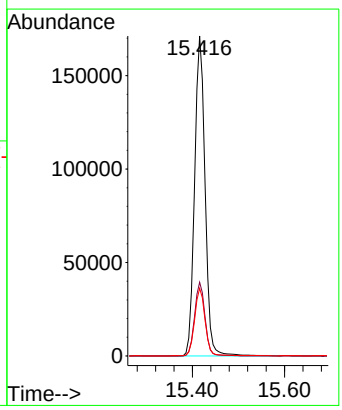




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2265
Delta R.T. -0.024 min
Lab File: BF141349.D
Acq: 31 Jan 2025 23:10

Tgt Ion:264 Resp: 270058

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	27.8
265	21.2	16.7	25.1



Sample Results: **BF141349.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141349.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.158	5	11	17	rBV	72385	108401	3.20%	0.463%
2	2.346	31	43	57	rVB	51666	186216	5.50%	0.795%
3	5.010	491	496	502	rVB	40951	67045	1.98%	0.286%
4	5.422	560	566	584	rBV	2282457	3033055	89.59%	12.948%
5	5.981	656	661	670	rBV	59009	79311	2.34%	0.339%
6	6.440	733	739	756	rBV	2177653	3055889	90.26%	13.045%
7	6.798	795	800	805	rBV	735261	899199	26.56%	3.839%
8	7.357	889	895	900	rBV	1516199	2002245	59.14%	8.547%
9	7.616	933	939	947	rBV	81440	104051	3.07%	0.444%
10	8.081	1010	1018	1023	rBV	942087	1208483	35.69%	5.159%
11	8.298	1051	1055	1062	rVB	33531	43882	1.30%	0.187%
12	8.669	1113	1118	1122	rBV	44461	58728	1.73%	0.251%
13	9.157	1195	1201	1206	rBV	2631881	3385629	100.00%	14.453%
14	9.234	1210	1214	1219	rVB	41207	56425	1.67%	0.241%
15	9.834	1310	1316	1328	rBV	1032656	1291141	38.14%	5.512%
16	10.545	1432	1437	1445	rBV	169420	221757	6.55%	0.947%
17	10.622	1445	1450	1468	rBV	1387377	1843411	54.45%	7.869%
18	11.322	1564	1569	1576	rVB	873519	1099316	32.47%	4.693%
19	11.857	1654	1660	1674	rBV2	122009	244818	7.23%	1.045%
20	12.104	1698	1702	1710	rVB	42057	54385	1.61%	0.232%
21	12.645	1787	1794	1805	rBV6	23026	65109	1.92%	0.278%
22	12.910	1833	1839	1844	rBV	1885314	2389896	70.59%	10.202%
23	13.451	1926	1931	1939	rBV	169032	231058	6.82%	0.986%
24	13.880	1996	2004	2010	rBV6	14878	43408	1.28%	0.185%
25	13.963	2012	2018	2025	rVB	641075	867094	25.61%	3.701%
26	15.416	2259	2265	2281	rVB	463911	734594	21.70%	3.136%
27	18.210	2736	2740	2750	rVB3	19926	51064	1.51%	0.218%

Sum of corrected areas: 23425610

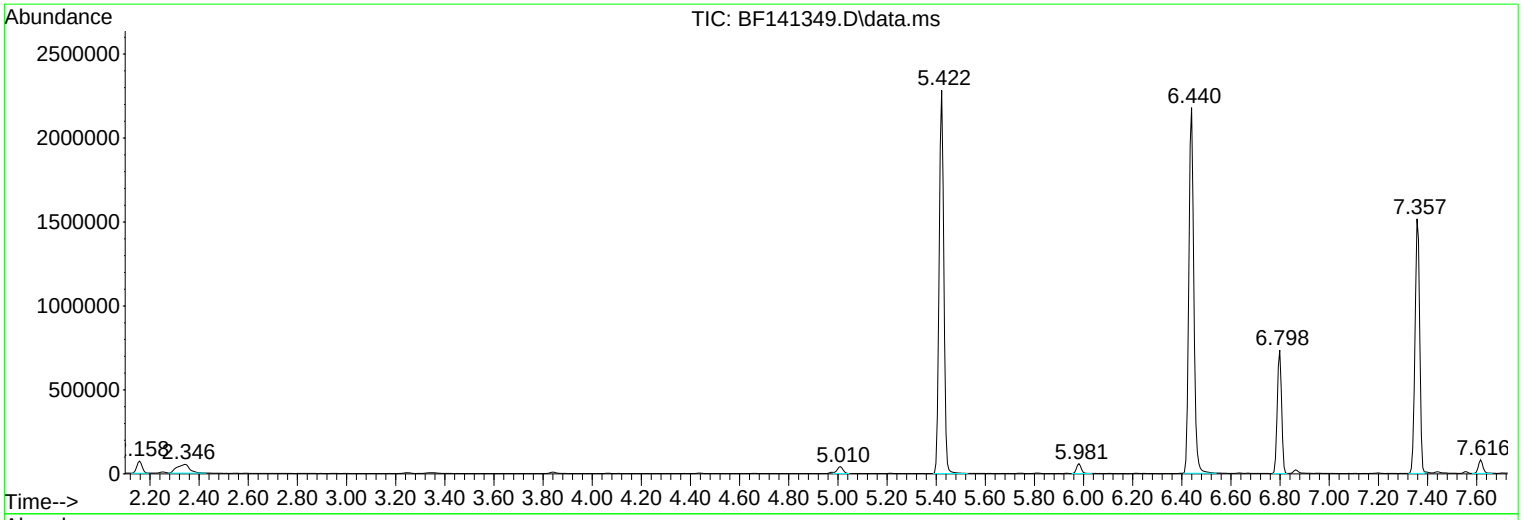
Sample Results: **BF141349.D**

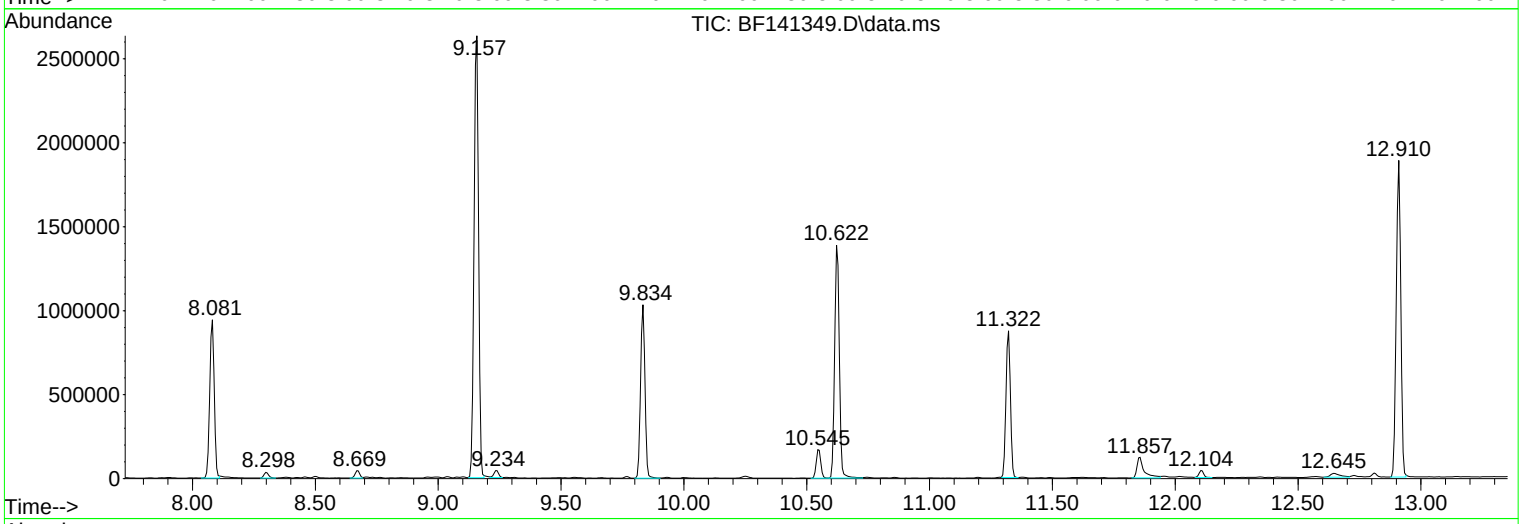
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

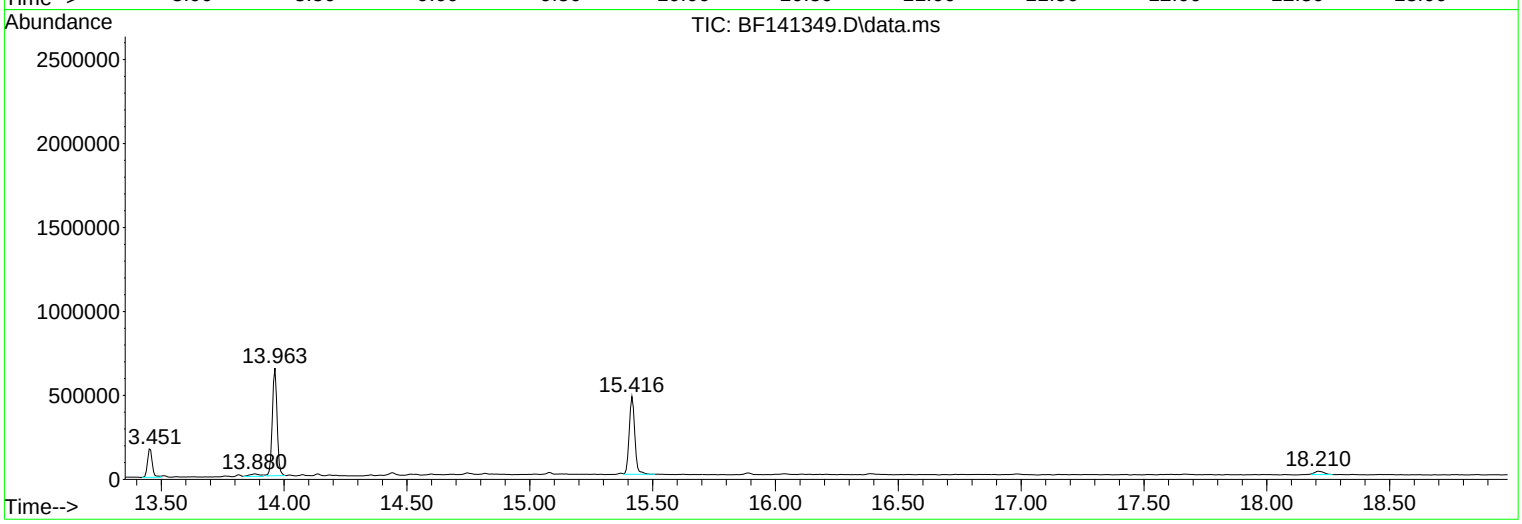
Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

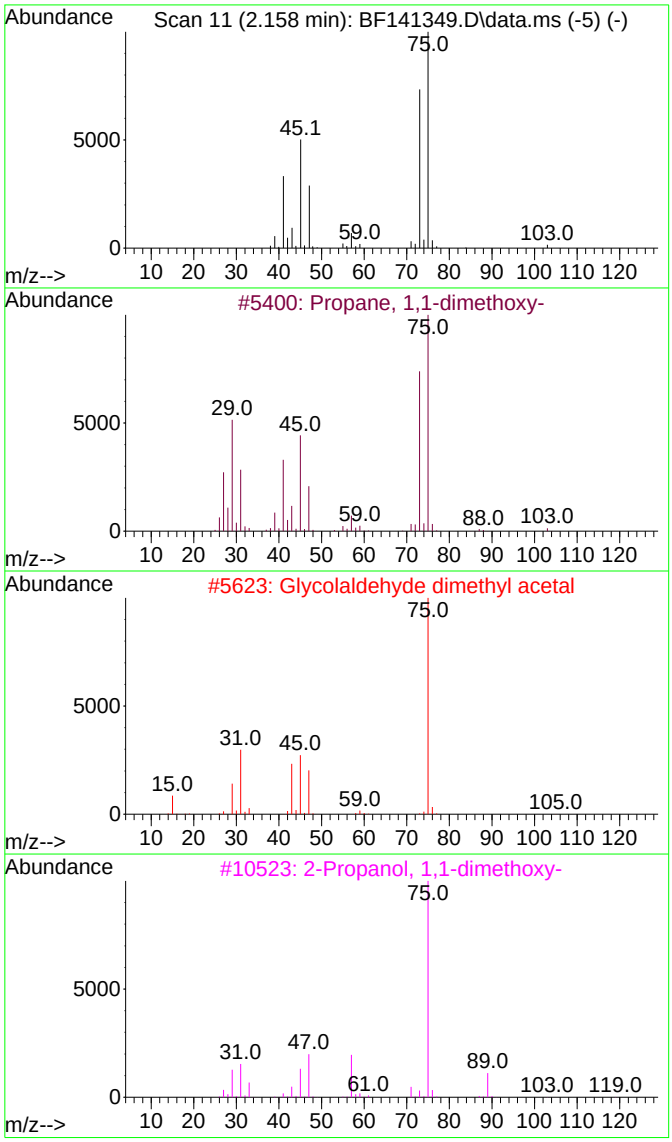
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

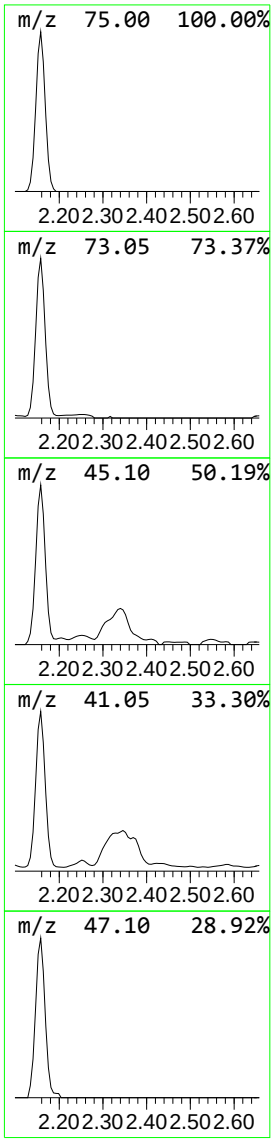
****

Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.158	2.41 ng	108401	1,4-Dichlorobenzene-d4	6.798

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	83
2	Glycolaldehyde dimethyl acetal	106	C4H10O3	030934-97-5	42
3	2-Propanol, 1,1-dimethoxy-	120	C5H12O3	042919-42-6	40
4	Acetic acid, dimethoxy-, methyl ...	134	C5H10O4	000089-91-8	38
5	Methane, trimethoxy-	106	C4H10O3	000149-73-5	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

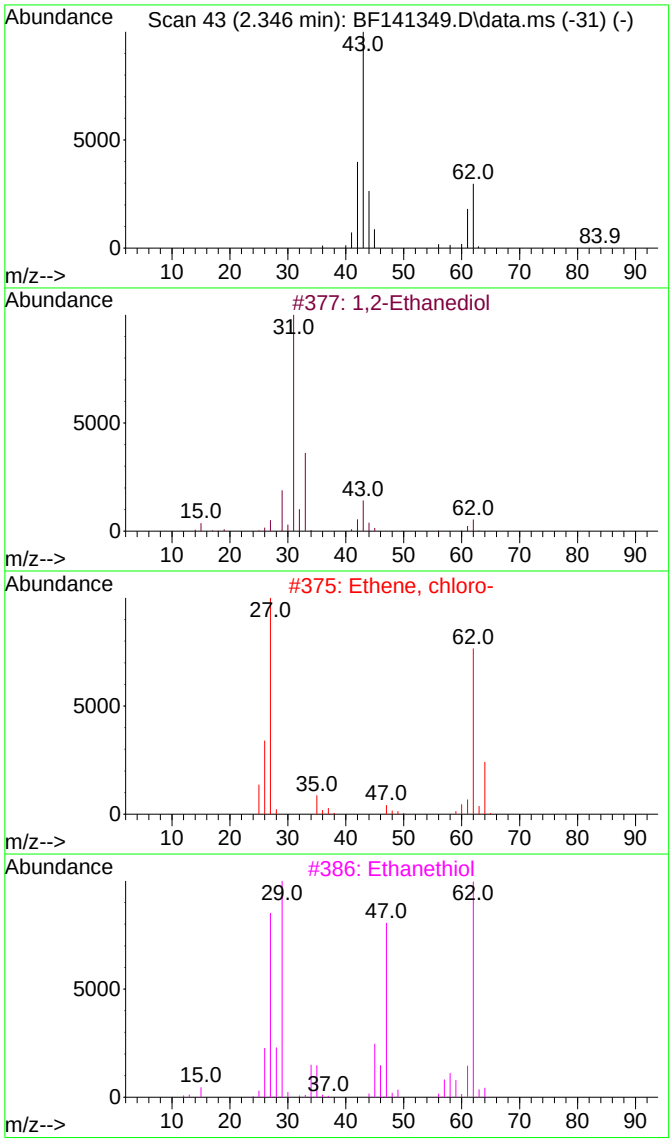
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

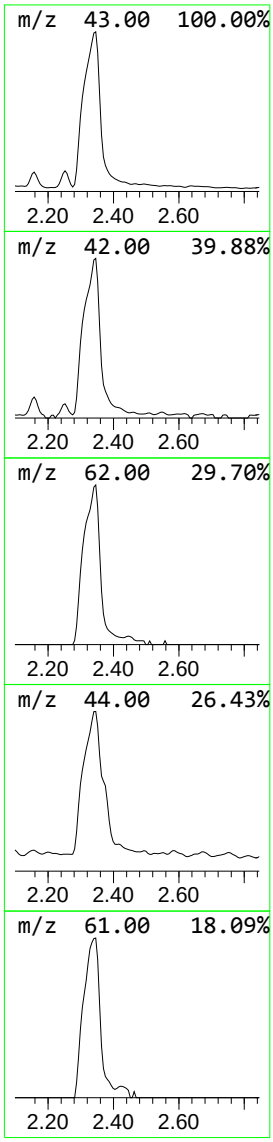
****

Peak Number 2 unknown2.346 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.346	4.14 ng	186216	1,4-Dichlorobenzene-d4	6.798

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Ethanediol	62	C2H6O2	000107-21-1	9
2	Ethene, chloro-	62	C2H3Cl	000075-01-4	5
3	Ethanethiol	62	C2H6S	000075-08-1	4
4	Peroxide, dimethyl	62	C2H6O2	000690-02-8	4
5	Diazirine	42	CH2N2	1000305-84-1	3





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

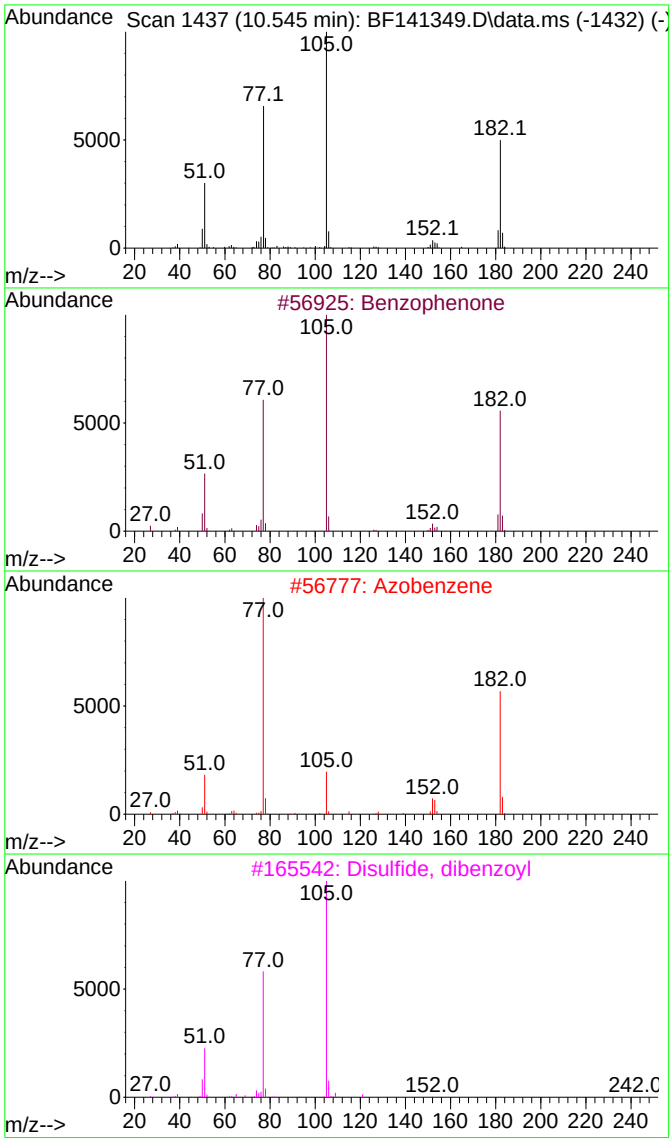
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

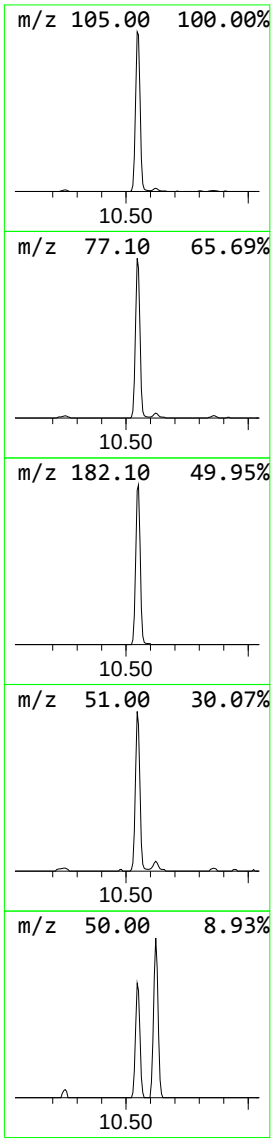
****

Peak Number 3 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.545	3.44 ng	221757	Acenaphthene-d10	9.834

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	Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	47
4	Methyl benzilate	242	C15H14O3	000076-89-1	47
5	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

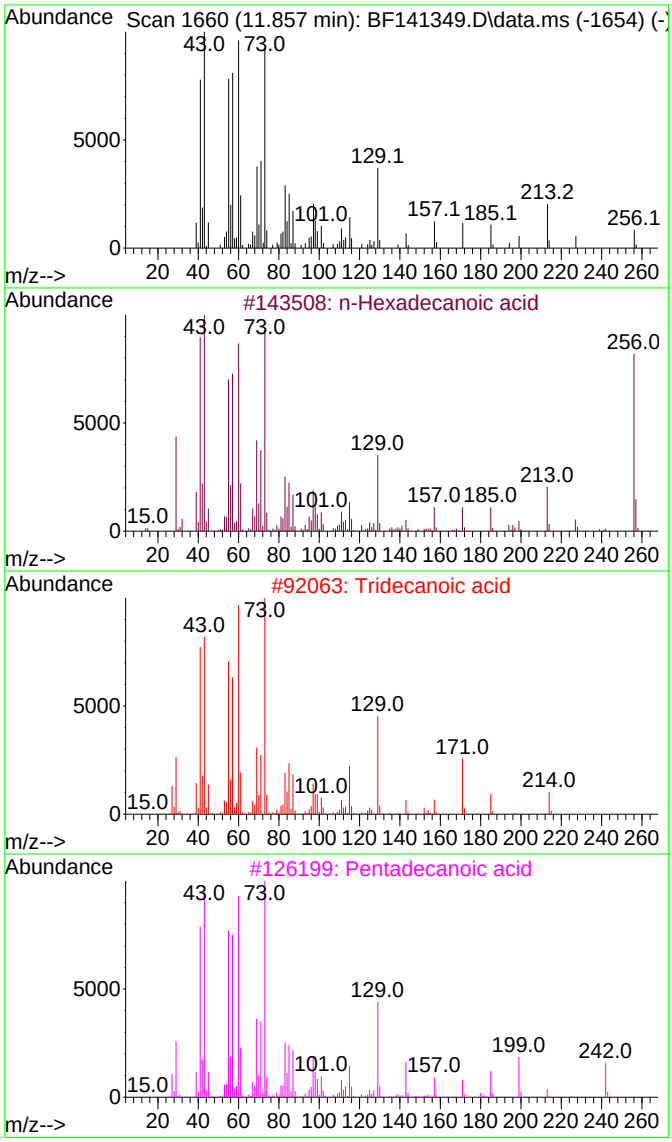
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

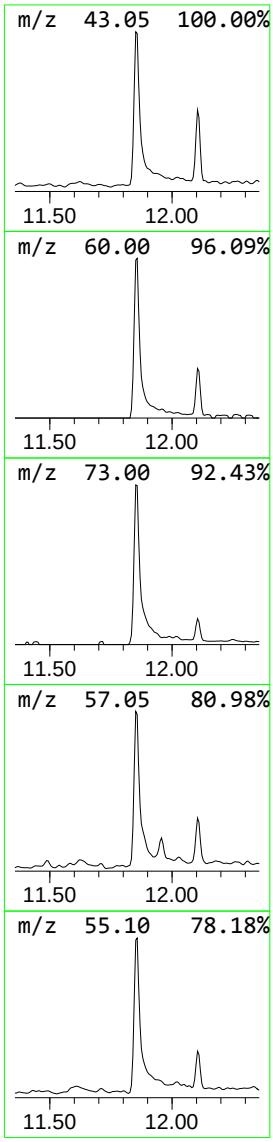
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	4.45 ng	244818	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	Octanoic acid	144	C8H16O2	000124-07-2	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

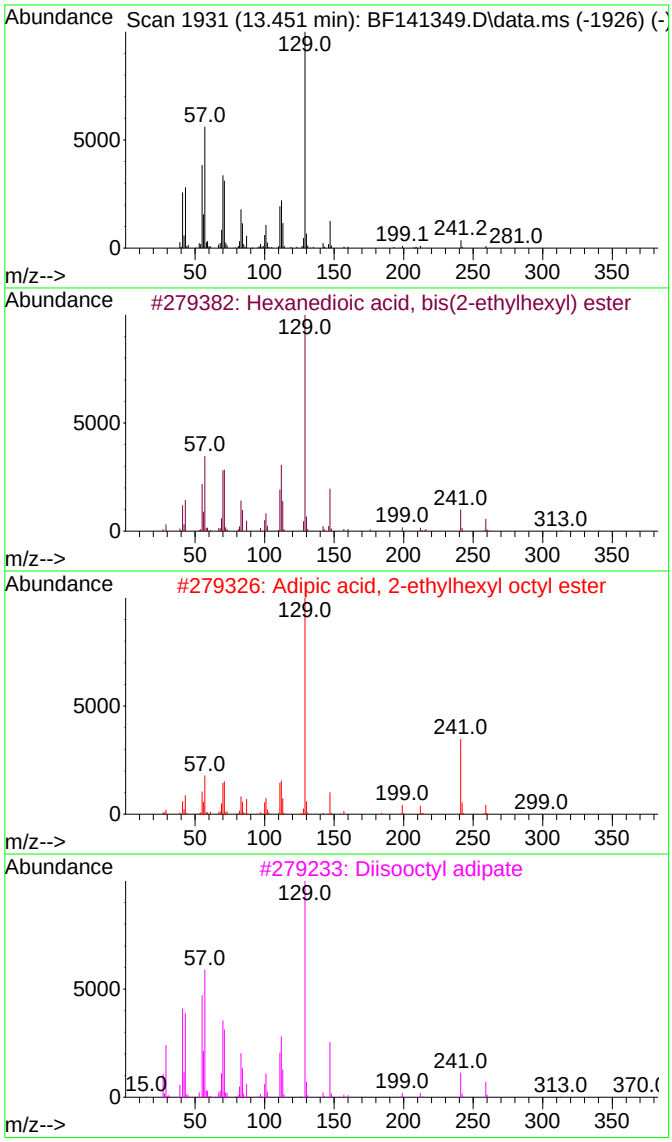
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

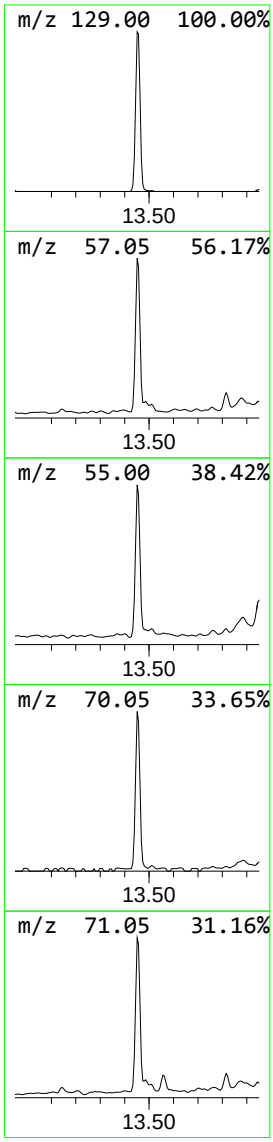
****

Peak Number 5 Hexanedioic acid, bis(2-eth... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.451	5.33 ng	231058	Chrysene-d12	13.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanedioic acid, bis(2-ethylhex...	370	C22H42O4	000103-23-1	91
2	Adipic acid, 2-ethylhexyl octyl ...	370	C22H42O4	1000324-48-6	90
3	Diisooctyl adipate	370	C22H42O4	001330-86-5	86
4	Hexanedioic acid, dioctyl ester	370	C22H42O4	000123-79-5	70
5	Hexanedioic acid, mono(2-ethylhe...	258	C14H26O4	004337-65-9	68





Sample Results: **BF141349.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141349.D
Acq On : 31 Jan 2025 23:10
Operator : RC/JU
Sample : Q1194-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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
Propane, 1,1-di...	2.158	2.4	ng	108401	1	6.798	899199	20.0
unknown2.346	2.346	4.1	ng	186216	1	6.798	899199	20.0
Benzophenone	10.545	3.4	ng	221757	3	9.834	1291140	20.0
n-Hexadecanoic ...	11.857	4.5	ng	244818	4	11.322	1099320	20.0
Hexanedioic aci...	13.451	5.3	ng	231058	5	13.963	867094	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Time: Feb 01 00:05:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

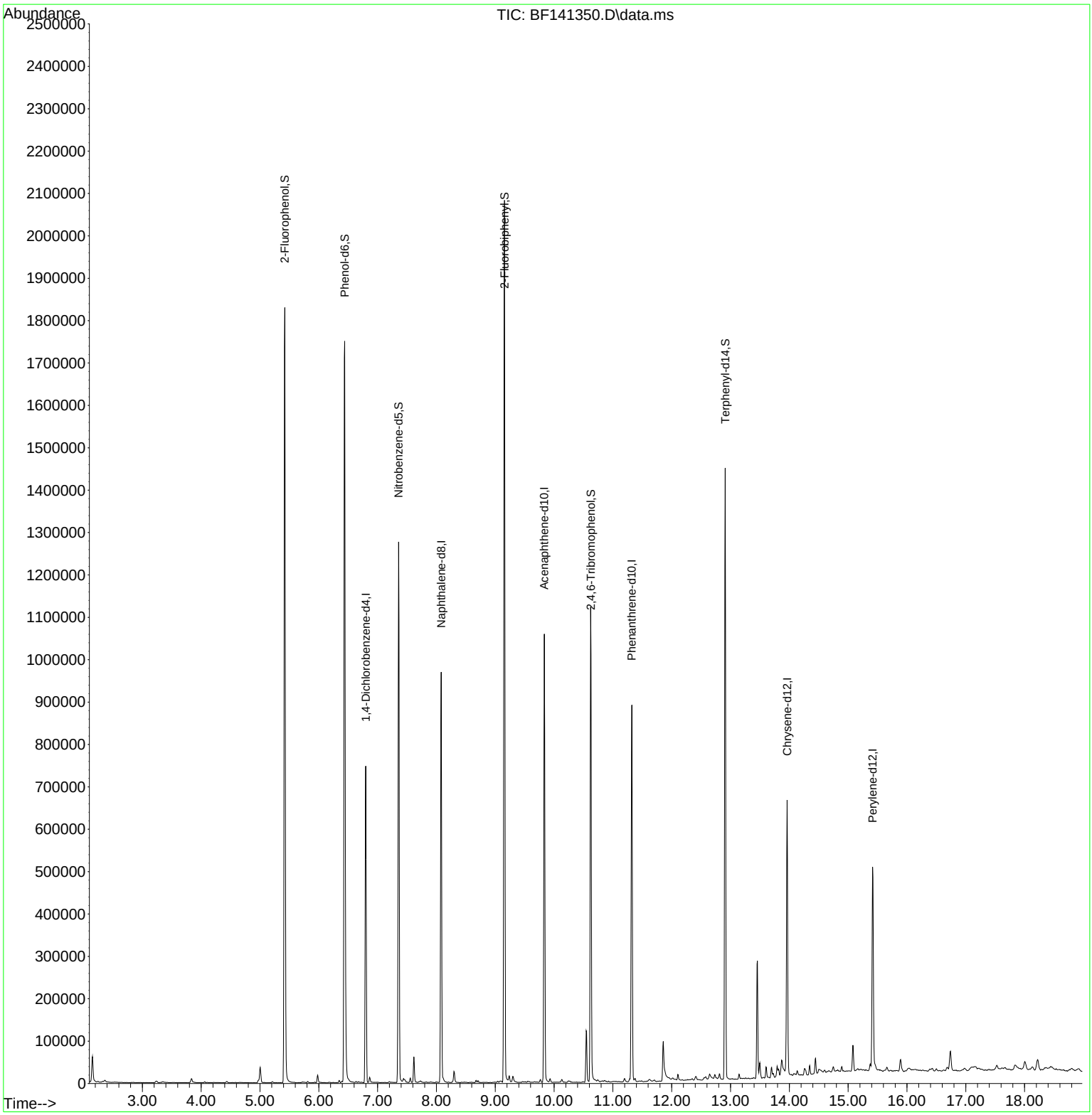
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	149181	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	593714	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	307017	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	441643	20.000	ng	0.00
76) Chrysene-d12	13.963	240	304741	20.000	ng	-0.01
86) Perylene-d12	15.416	264	278986	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	709624	73.026	ng	0.01
7) Phenol-d6	6.440	99	863941	69.888	ng	0.00
23) Nitrobenzene-d5	7.357	82	539898	47.938	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	174209	61.894	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	918116	46.029	ng	0.00
79) Terphenyl-d14	12.910	244	692428	35.041	ng	0.00
Target Compounds						Qvalue

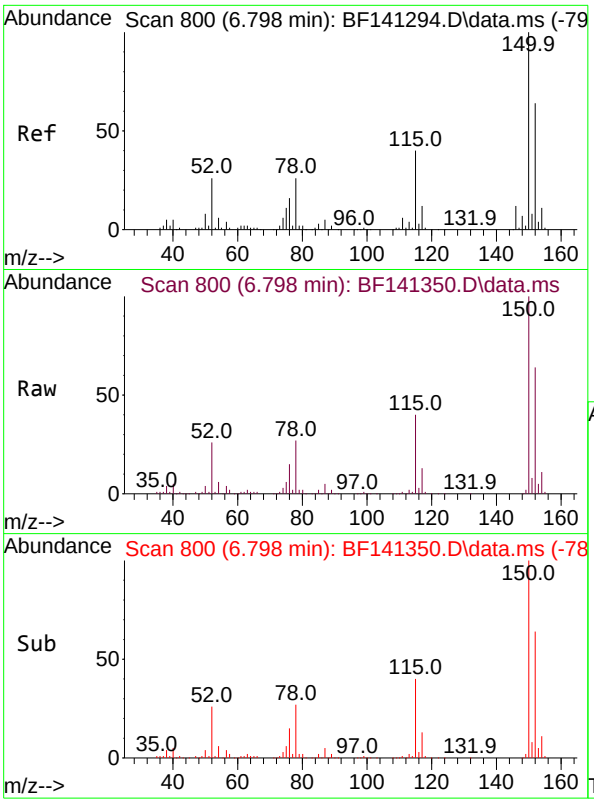
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Time: Feb 01 00:05:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



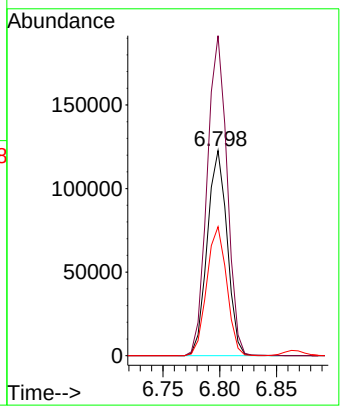


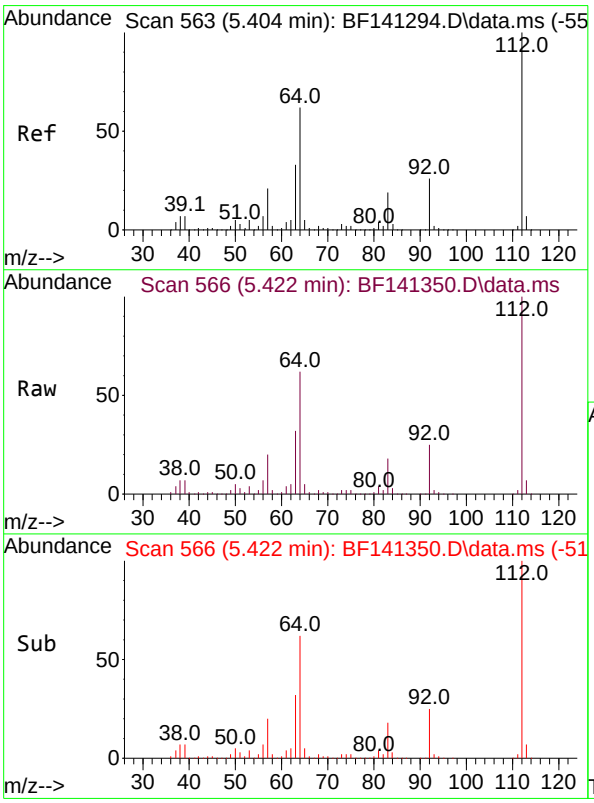
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Tgt Ion:152 Resp: 149181

Ion	Ratio	Lower	Upper
152	100		
150	156.0	125.9	188.9
115	62.8	49.7	74.5

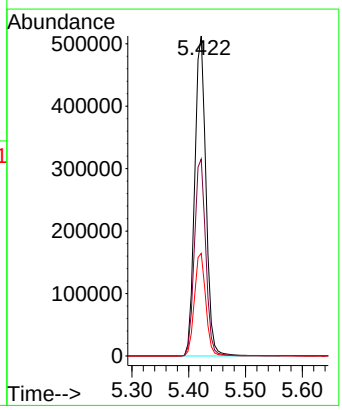


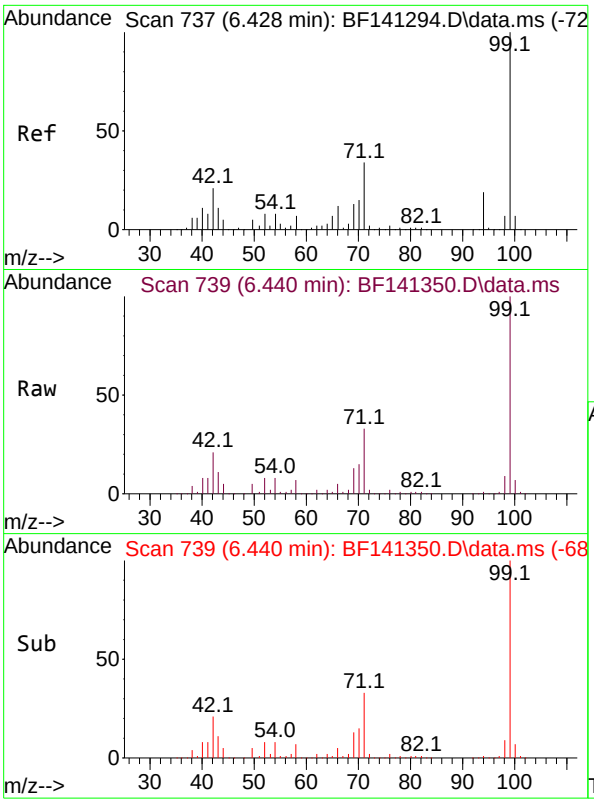


#5
2-Fluorophenol
Concen: 73.026 ng
RT: 5.422 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Tgt Ion:112 Resp: 709624

Ion	Ratio	Lower	Upper
112	100		
64	61.6	49.8	74.8
63	32.1	26.1	39.1



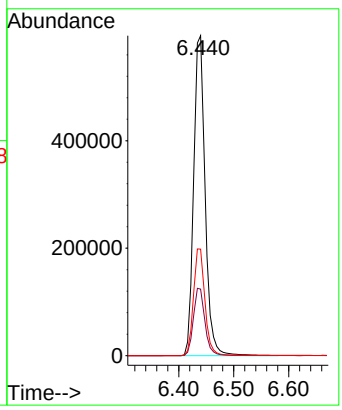


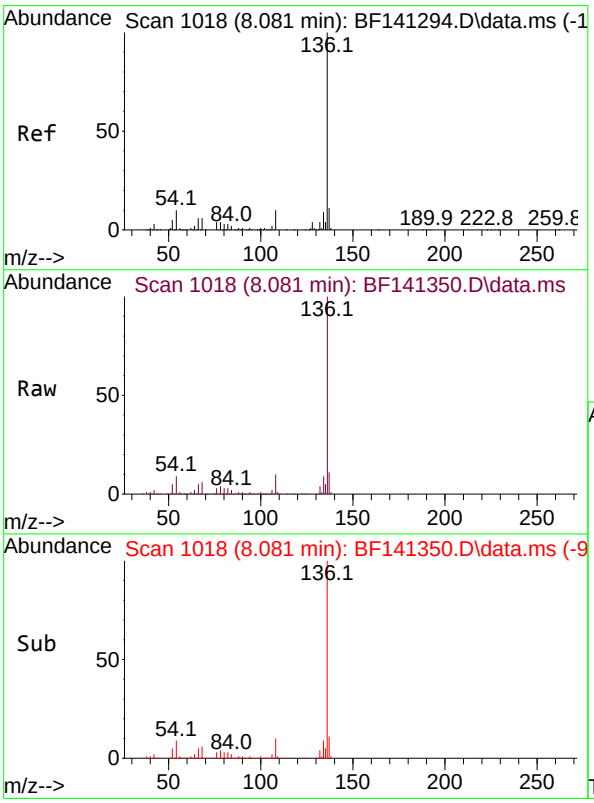
#7
Phenol-d6
Concen: 69.888 ng
RT: 6.440 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Tgt Ion: 99 Resp: 863941

Ion	Ratio	Lower	Upper
99	100		
42	20.8	17.1	25.7
71	33.3	26.9	40.3

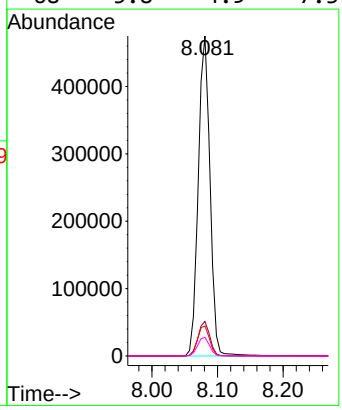


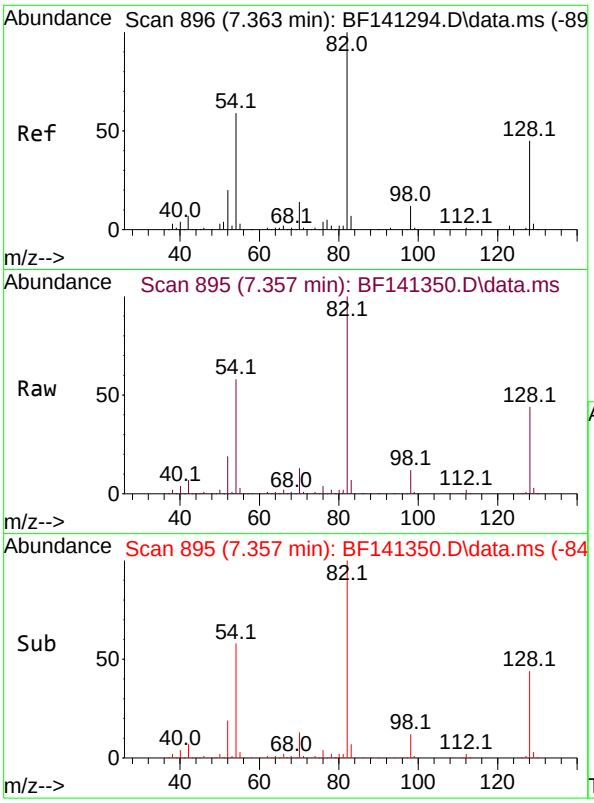


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Tgt Ion:136 Resp: 593714

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.4	7.8	11.8
68	5.8	4.9	7.3



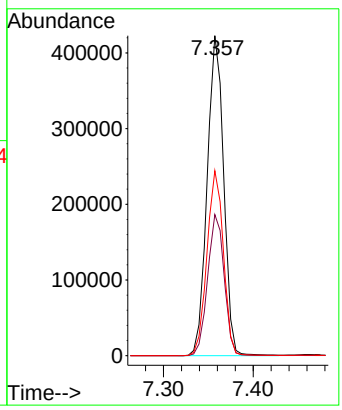


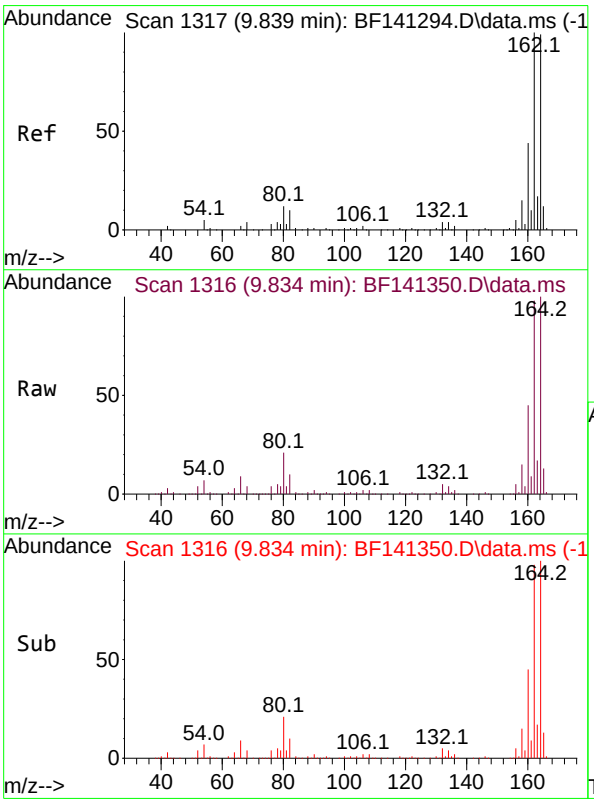
#23
Nitrobenzene-d5
Concen: 47.938 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Tgt Ion: 82 Resp: 539898

Ion	Ratio	Lower	Upper
82	100		
128	44.1	35.7	53.5
54	57.8	47.1	70.7

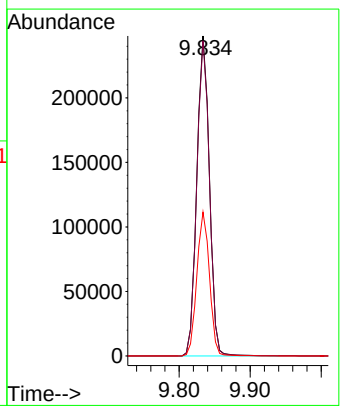


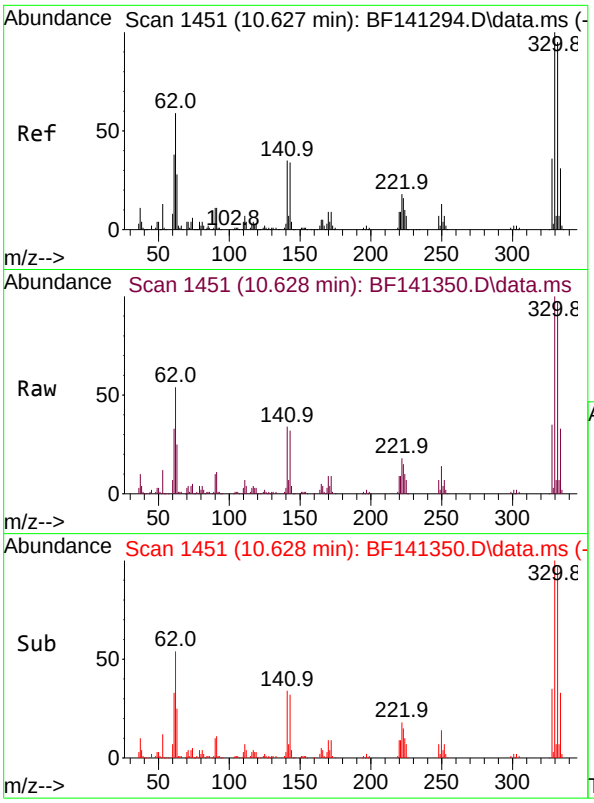


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Tgt Ion:164 Resp: 307017

Ion	Ratio	Lower	Upper
164	100		
162	98.5	80.6	121.0
160	44.9	35.8	53.6



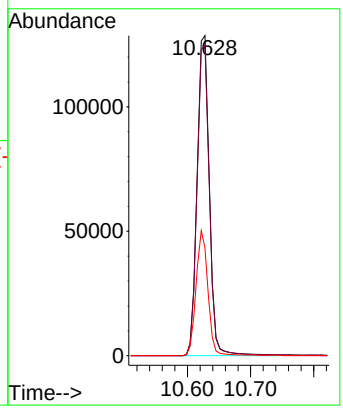


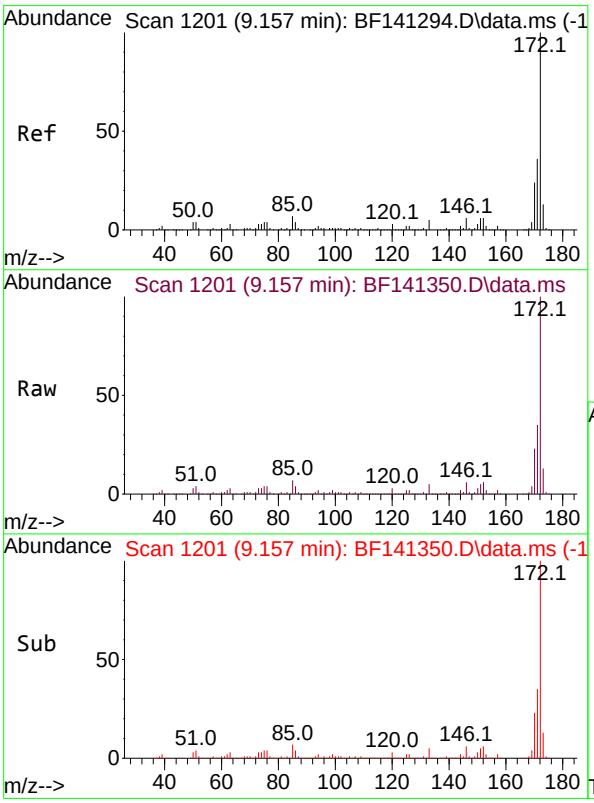
#42
2,4,6-Tribromophenol
Concen: 61.894 ng
RT: 10.628 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Tgt Ion:330 Resp: 174209

Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.1	114.1
141	37.7	28.8	43.2

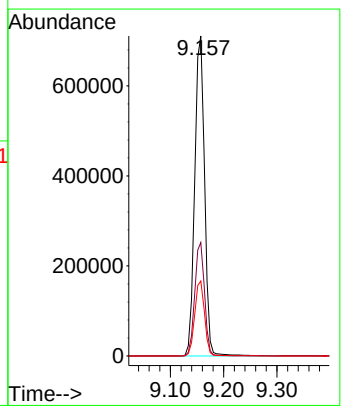


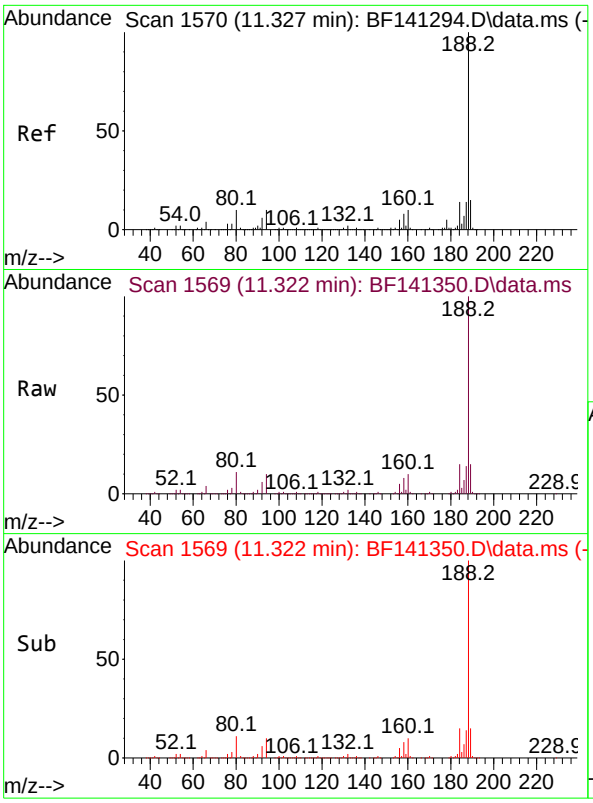


#45
2-Fluorobiphenyl
Concen: 46.029 ng
RT: 9.157 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Tgt Ion:172 Resp: 918116

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.8	43.2
170	23.4	19.0	28.6



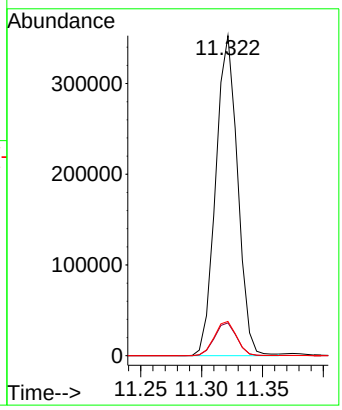


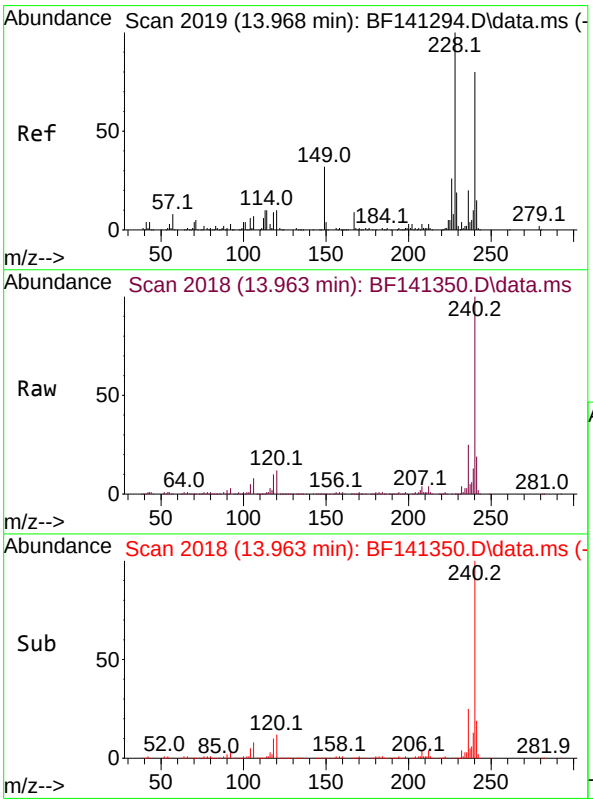
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Tgt Ion:188 Resp: 441643

Ion	Ratio	Lower	Upper
188	100		
94	10.3	7.8	11.6
80	10.7	8.2	12.4

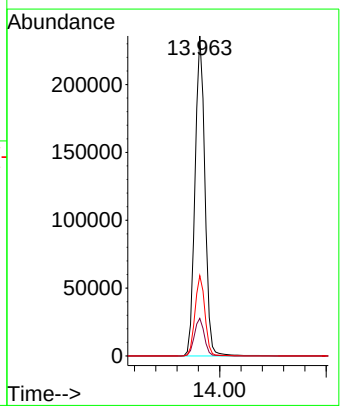


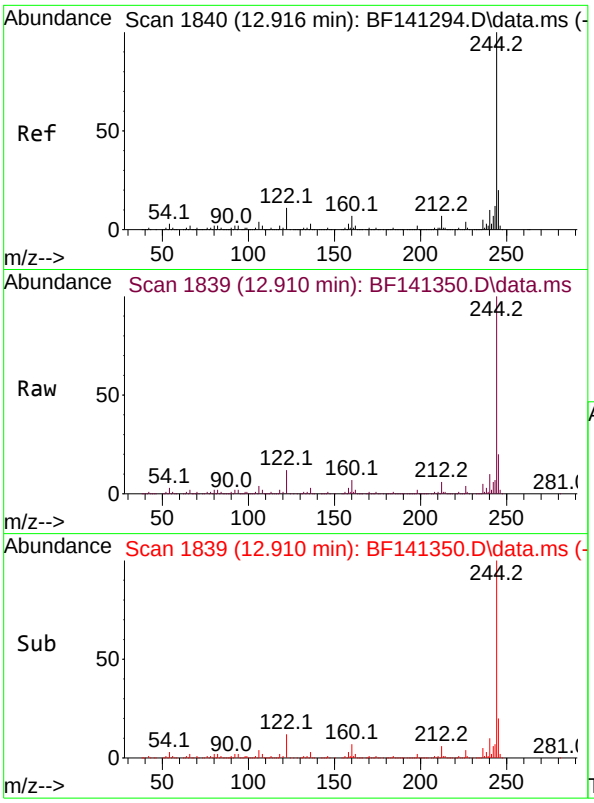


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Tgt Ion:240 Resp: 304741

Ion	Ratio	Lower	Upper
240	100		
120	11.7	10.0	15.0
236	25.1	19.7	29.5



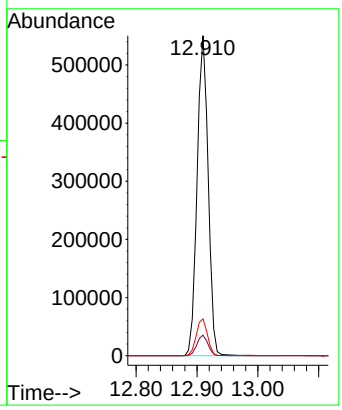


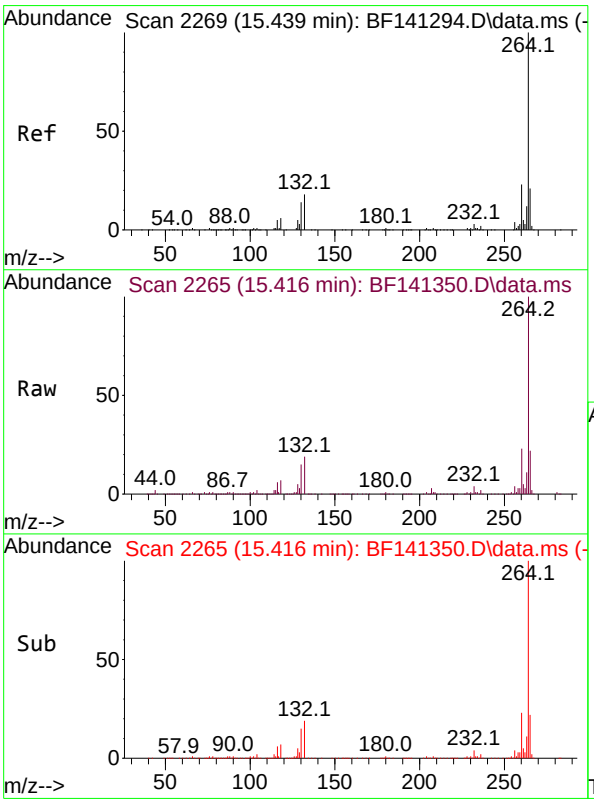
#79
Terphenyl-d14
Concen: 35.041 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Tgt Ion:244 Resp: 692428

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	11.5	8.8	13.2

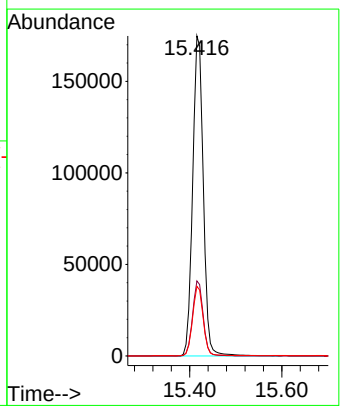




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2265
Delta R.T. -0.024 min
Lab File: BF141350.D
Acq: 31 Jan 2025 23:37

Tgt Ion:264 Resp: 278986

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	27.8
265	21.7	16.7	25.1



Sample Results: **BF141350.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141350.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	22	rVB	59286	97211	3.63%	0.470%
2	5.004	490	495	504	rVB	35582	55478	2.07%	0.269%
3	5.422	560	566	585	rBV	1828388	2543144	95.07%	12.308%
4	5.981	656	661	668	rBV	18356	26825	1.00%	0.130%
5	6.440	733	739	760	rVB	1747970	2560707	95.72%	12.393%
6	6.798	795	800	805	rBV	746852	910293	34.03%	4.406%
7	7.357	889	895	900	rBV	1275670	1623521	60.69%	7.857%
8	7.616	933	939	945	rBV	60043	75587	2.83%	0.366%
9	8.081	1012	1018	1023	rBV	968117	1205587	45.07%	5.835%
10	8.298	1047	1055	1064	rBV2	26077	39732	1.49%	0.192%
11	9.157	1195	1201	1206	rBV	2080955	2675103	100.00%	12.947%
12	9.298	1221	1225	1238	rVB2	14270	28305	1.06%	0.137%
13	9.834	1311	1316	1329	rBV	1057602	1315880	49.19%	6.369%
14	10.545	1433	1437	1445	rBV	121589	161615	6.04%	0.782%
15	10.622	1445	1450	1461	rBV	1119682	1465773	54.79%	7.094%
16	11.322	1564	1569	1575	rVB	884623	1105615	41.33%	5.351%
17	11.857	1655	1660	1683	rBV2	93595	216106	8.08%	1.046%
18	12.645	1789	1794	1805	rBV10	11570	28622	1.07%	0.139%
19	12.910	1833	1839	1844	rBV	1441850	1814580	67.83%	8.782%
20	13.457	1926	1932	1936	rBV	277474	371571	13.89%	1.798%
21	13.498	1936	1939	1945	rVB2	36623	53361	1.99%	0.258%
22	13.604	1953	1957	1962	rBV	25897	35501	1.33%	0.172%
23	13.698	1968	1973	1976	rBV2	25010	37251	1.39%	0.180%
24	13.792	1985	1989	1992	rBV	23767	34952	1.31%	0.169%
25	13.869	1997	2002	2011	rVV5	36652	96260	3.60%	0.466%
26	13.963	2012	2018	2026	rVB	648027	872438	32.61%	4.222%
27	14.263	2064	2069	2078	rBV2	15693	33487	1.25%	0.162%
28	14.345	2079	2083	2089	rBV6	21839	30361	1.13%	0.147%
29	14.445	2095	2100	2104	rBV	36437	50161	1.88%	0.243%
30	14.504	2106	2110	2122	rVV10	8736	31005	1.16%	0.150%
31	15.080	2203	2208	2214	rBV	60933	89710	3.35%	0.434%
32	15.416	2260	2265	2279	rVB	479146	768196	28.72%	3.718%
33	15.892	2341	2346	2356	rVB	28518	55379	2.07%	0.268%
34	16.739	2484	2490	2500	rVB2	45399	90729	3.39%	0.439%
35	18.221	2736	2742	2751	rVB7	24674	62034	2.32%	0.300%

Sample Results: **BF141350.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 20662080

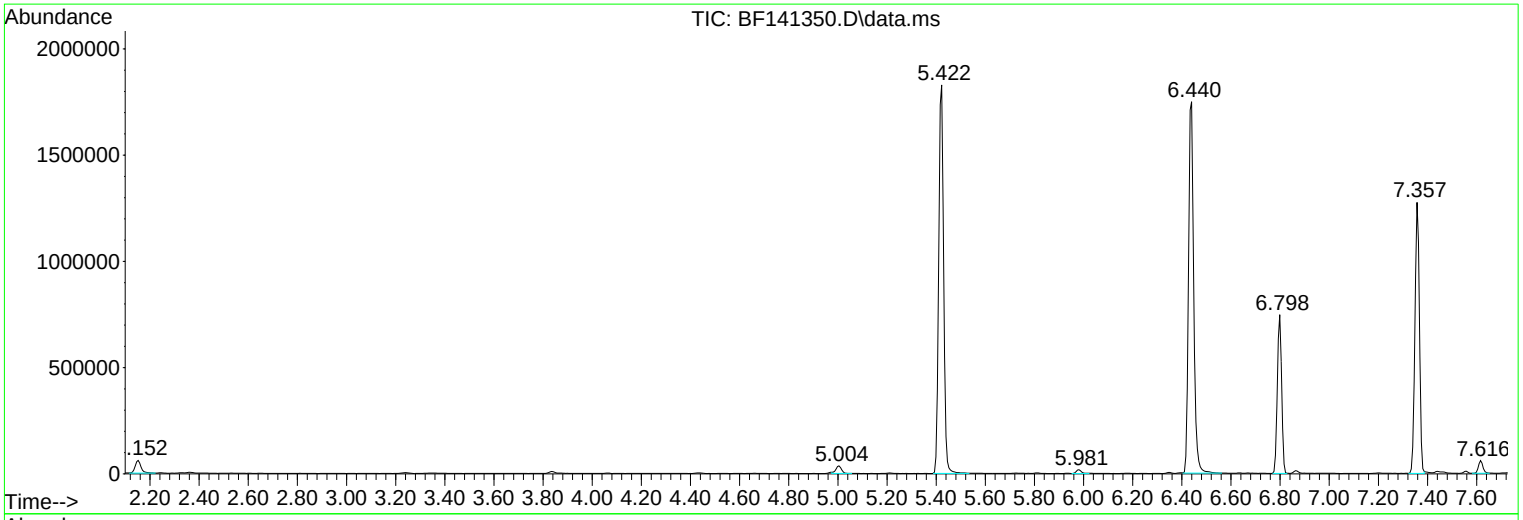
Sample Results: **BF141350.D**

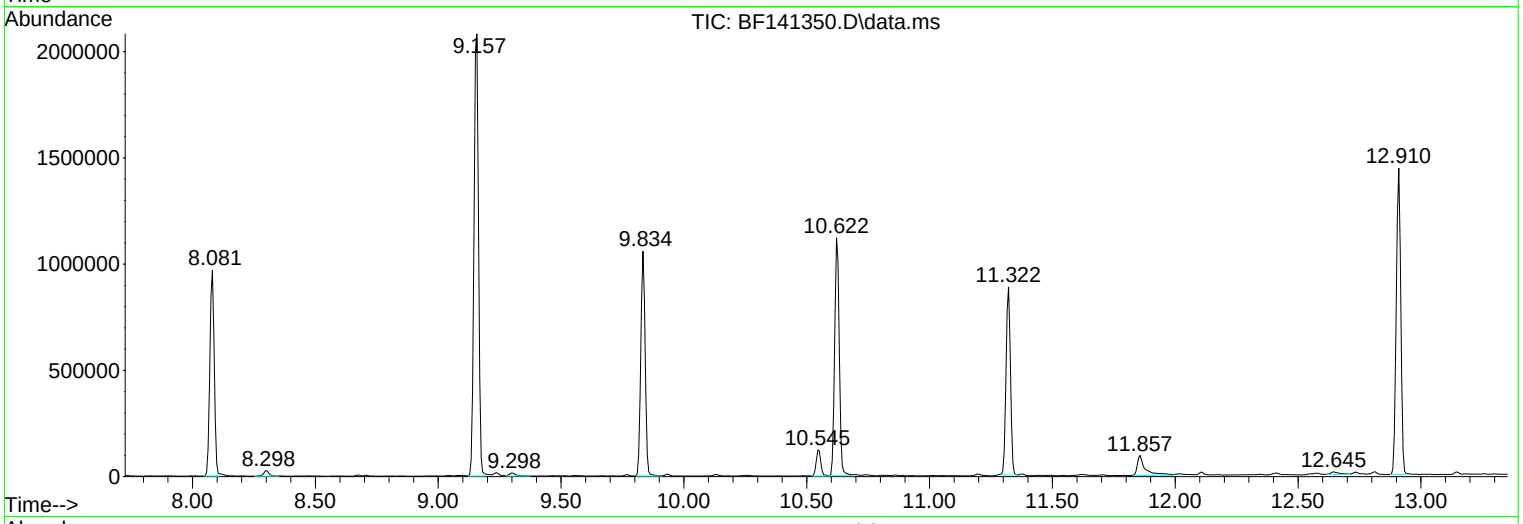
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

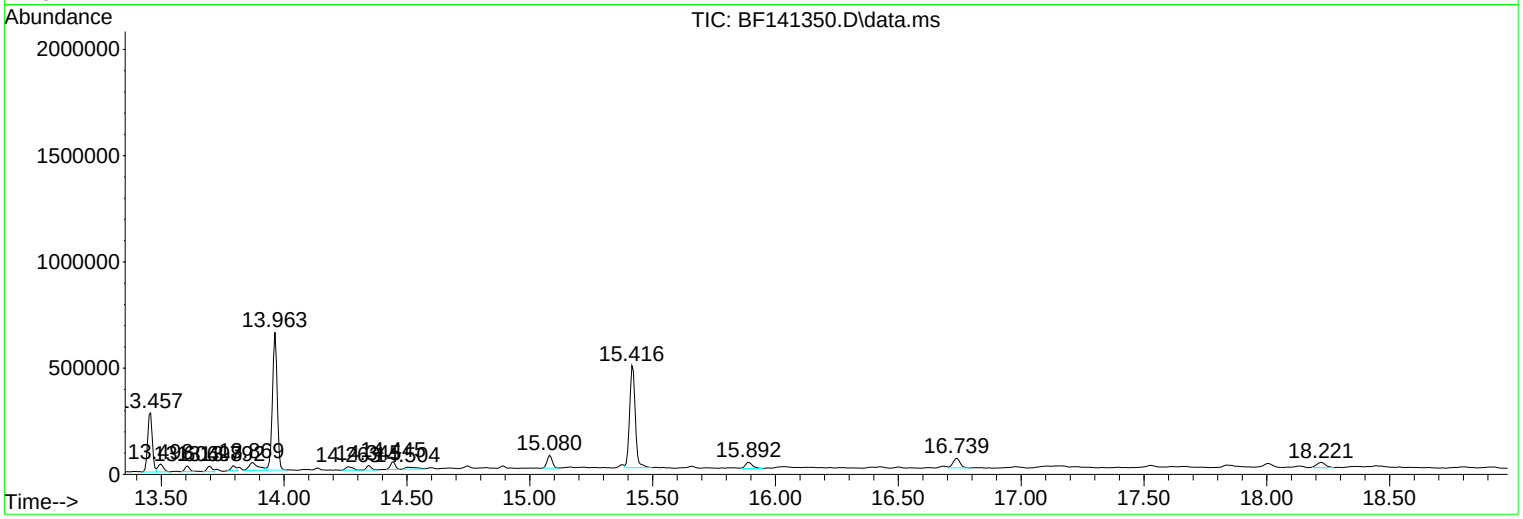
Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

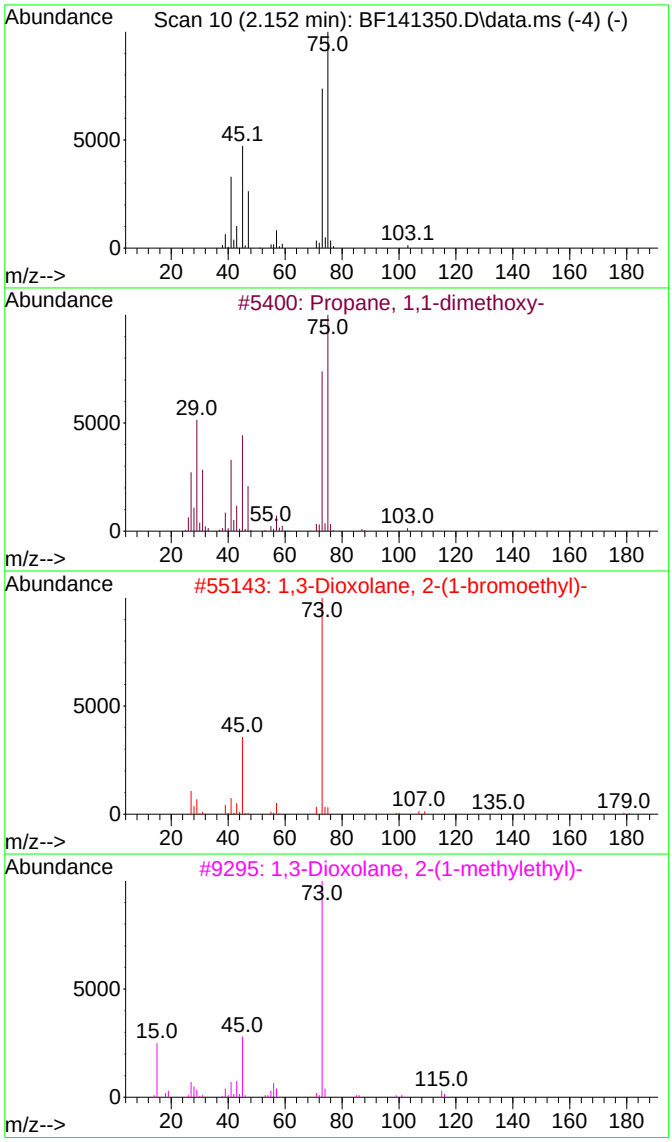
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

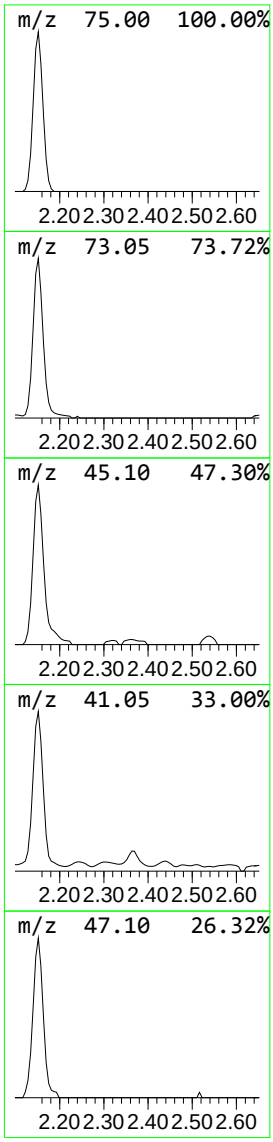
****

Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.152	2.14 ng	97211	1,4-Dichlorobenzene-d4	6.798

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	78
2	1,3-Dioxolane, 2-(1-bromoethyl)-	180	C5H9BrO2	005267-73-2	27
3	1,3-Dioxolane, 2-(1-methylethyl)-	116	C6H12O2	000822-83-3	27
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	16
5	2,5-Diethoxy-3-methyl-3-vinylhexane	214	C13H26O2	1000432-70-8	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

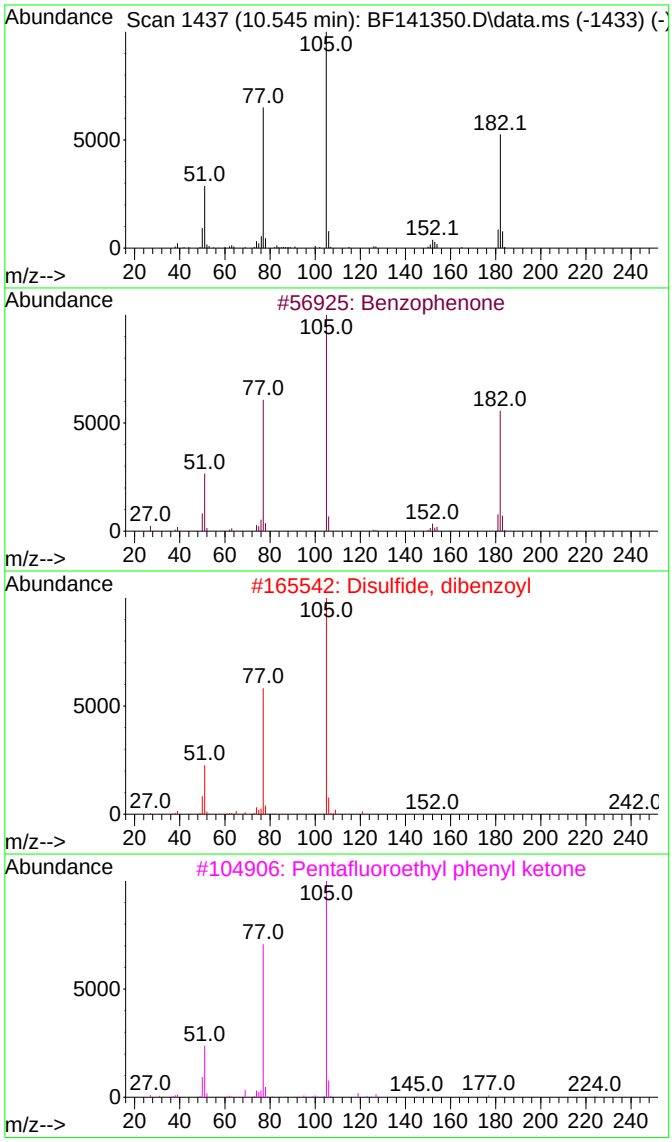
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

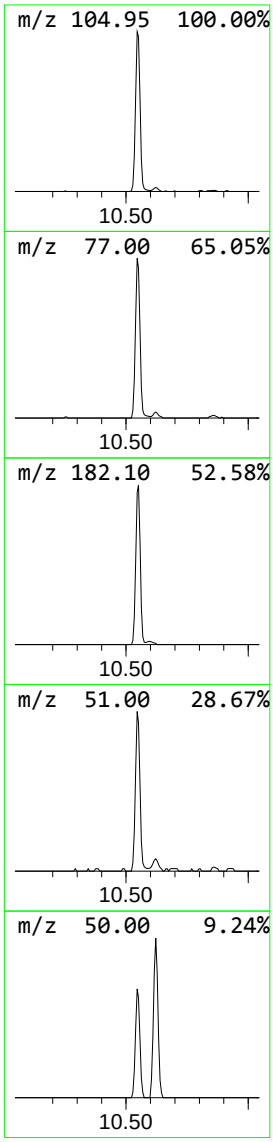
****

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.545	2.46 ng	161615	Acenaphthene-d10	9.834

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	52
3	Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	50
4	2-Benzoyl-4-bromo-5-methyl-1,2-o...	281	C11H8BrNO3	1000444-92-3	50
5	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	50





Sample Results: **BF141350.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

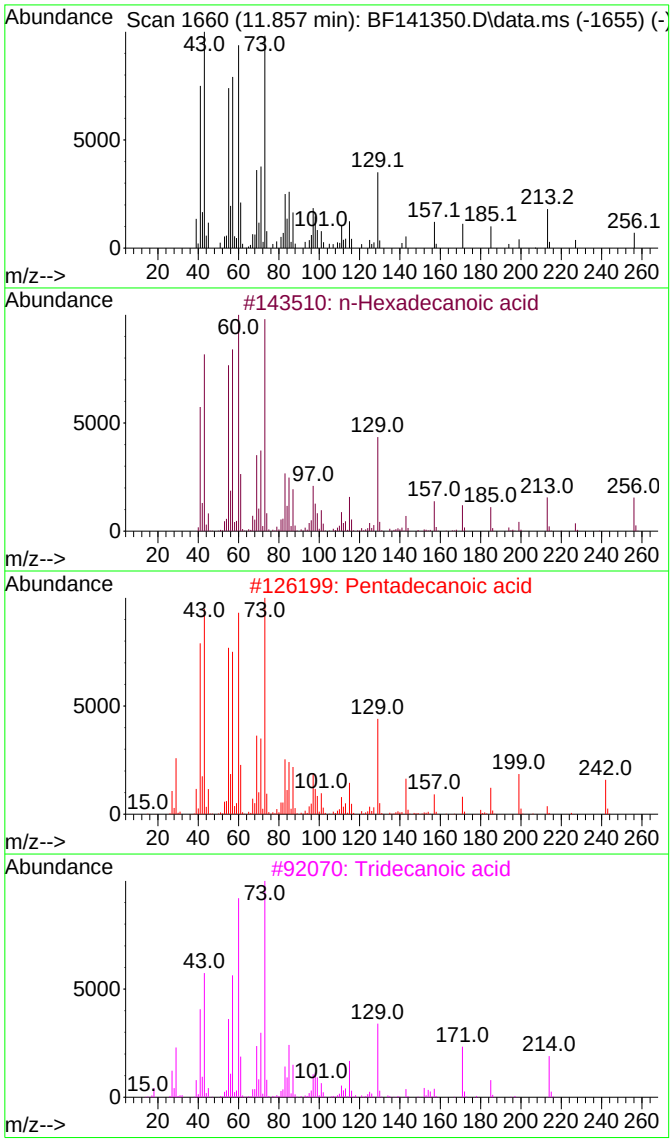
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

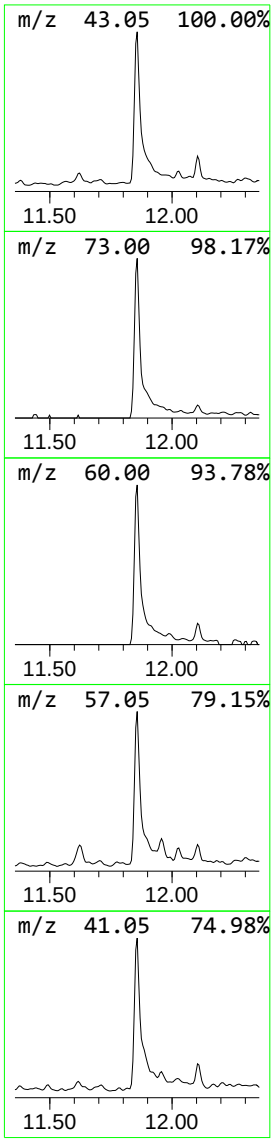
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	3.91 ng	216106	Phenanthrene-d10	11.322

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	87
3	Tridecanoic acid	214	C13H26O2	000638-53-9	81
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	Dodecanoic acid	200	C12H24O2	000143-07-7	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

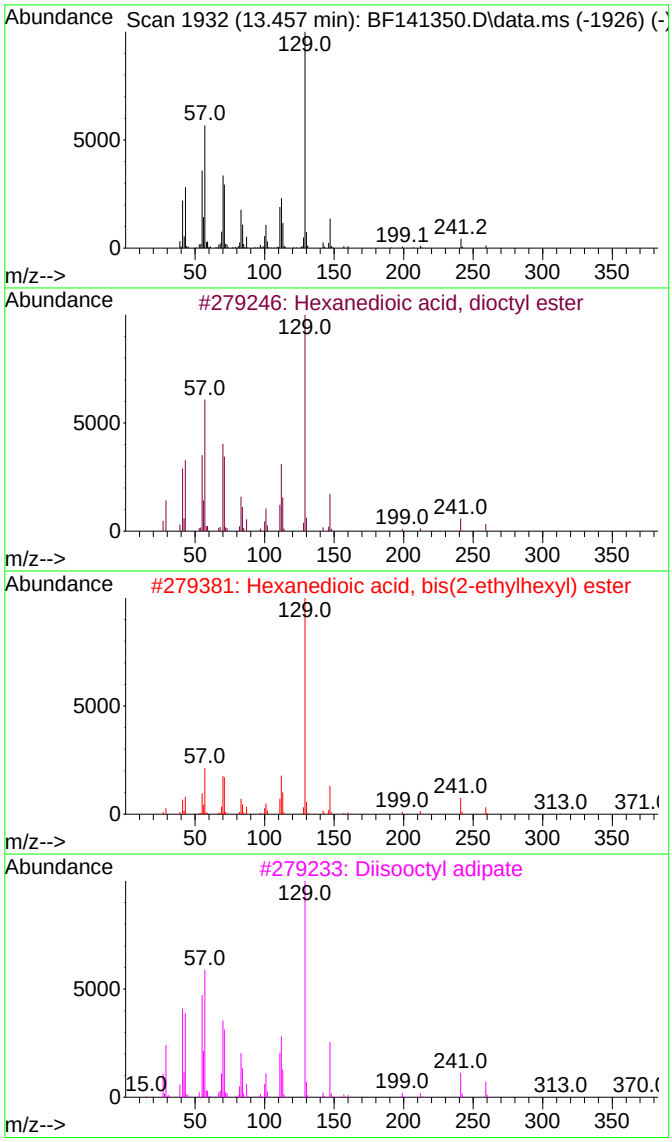
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

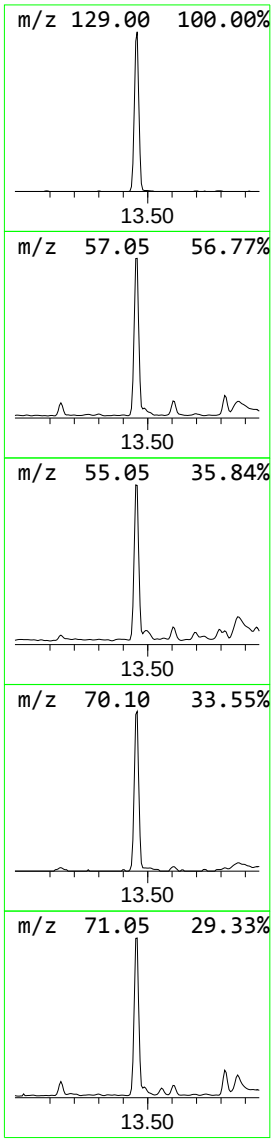
****

Peak Number 4 Hexanedioic acid, dioctyl e... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.457	8.52 ng	371571	Chrysene-d12	13.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanedioic acid, dioctyl ester	370	C22H42O4	000123-79-5	91
2	Hexanedioic acid, bis(2-ethylhex...	370	C22H42O4	000103-23-1	91
3	Diisooctyl adipate	370	C22H42O4	001330-86-5	86
4	Adipic acid, 2-ethylhexyl octyl ...	370	C22H42O4	1000324-48-6	80
5	Hexanedioic acid, mono(2-ethylhe...	258	C14H26O4	004337-65-9	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

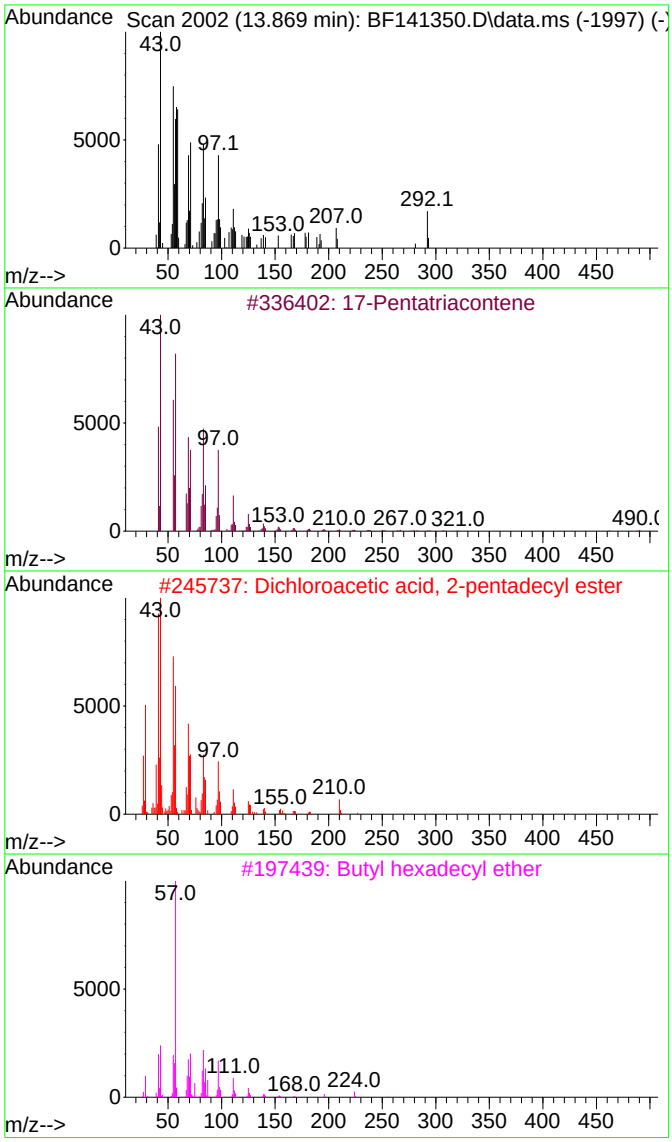
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

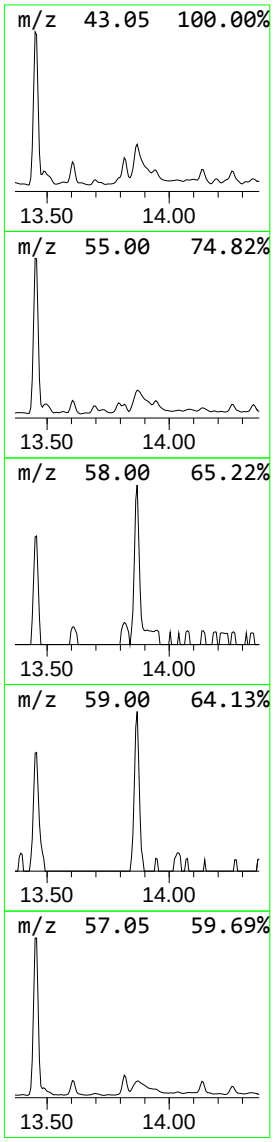
****

Peak Number 5 unknown13.869 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.869	2.21 ng	96260	Chrysene-d12	13.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	17-Pentatriacontene	491	C35H70	006971-40-0	46
2	Dichloroacetic acid, 2-pentadecy...	338	C17H32Cl2O2	1010280-64-7	46
3	Butyl hexadecyl ether	298	C20H42O	1010406-40-5	46
4	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	42
5	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	41





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

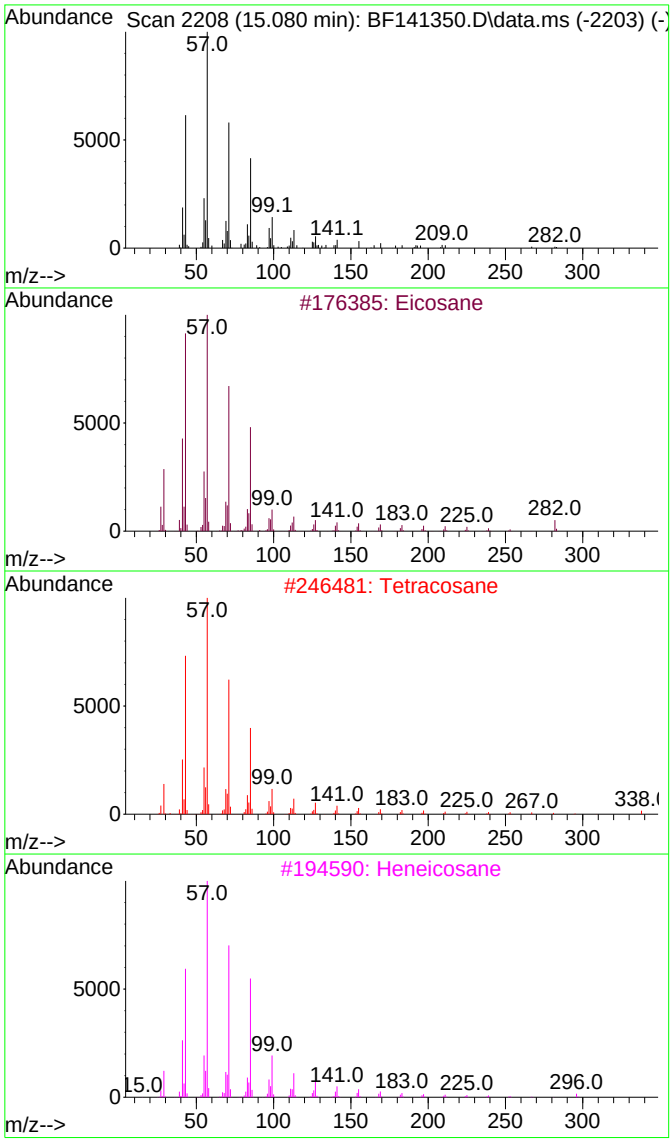
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

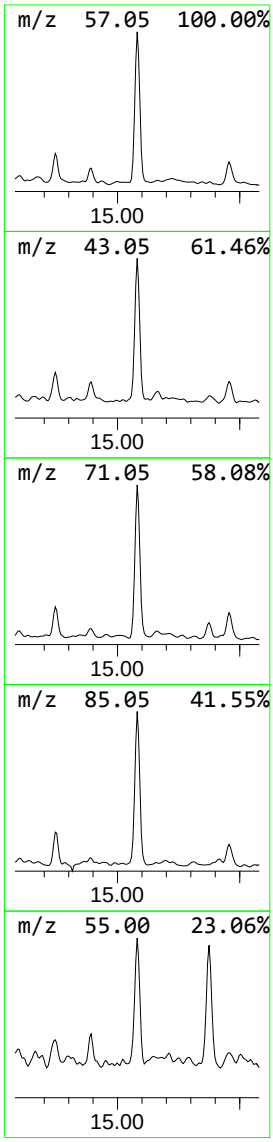
****

Peak Number 6 Eicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.080	2.34 ng	89710	Perylene-d12	15.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	97
2	Tetracosane	338	C24H50	000646-31-1	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Octacosane	394	C28H58	000630-02-4	91
5	Hexacosane	366	C26H54	000630-01-3	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

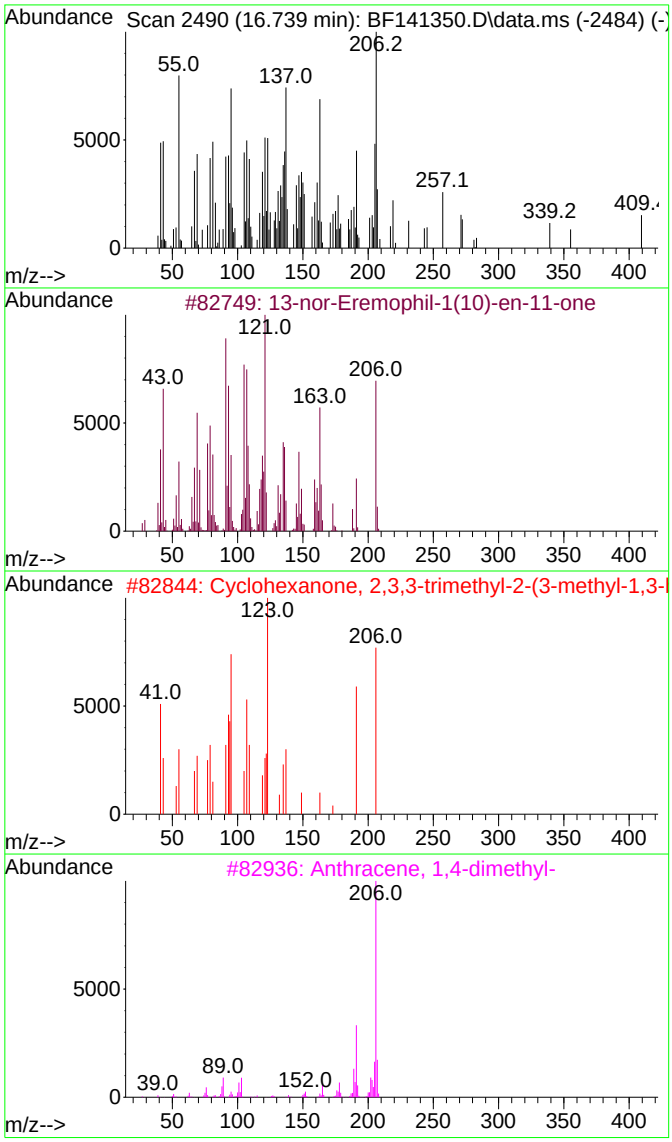
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

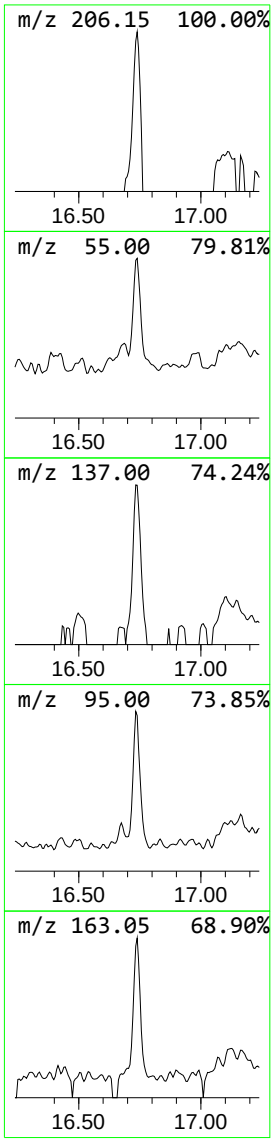
****

Peak Number 7 unknown16.739 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.739	2.36 ng	90729	Perylene-d12	15.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13-nor-Eremophil-1(10)-en-11-one	206	C14H22O	054275-21-7	35
2	Cyclohexanone, 2,3,3-trimethyl-2...	206	C14H22O	069296-91-9	30
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	25
4	Phenanthrene, 7-ethenyl-1,2,3,4,...	272	C20H32	001686-56-2	25
5	1-(2-Hydroxyphenyl)piperazine, N...	206	C12H18N2O	148547-51-7	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141350.D
Acq On : 31 Jan 2025 23:37
Operator : RC/JU
Sample : Q1194-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-110-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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
Propane, 1,1-di...	2.152	2.1	ng	97211	1	6.798	910293	20.0
Benzophenone	10.545	2.5	ng	161615	3	9.834	1315880	20.0
n-Hexadecanoic ...	11.857	3.9	ng	216106	4	11.322	1105620	20.0
Hexanedioic aci...	13.457	8.5	ng	371571	5	13.963	872438	20.0
unknown13.869	13.869	2.2	ng	96260	5	13.963	872438	20.0
Eicosane	15.080	2.3	ng	89710	6	15.416	768196	20.0
unknown16.739	16.739	2.4	ng	90729	6	15.416	768196	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Time: Feb 05 00:35:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

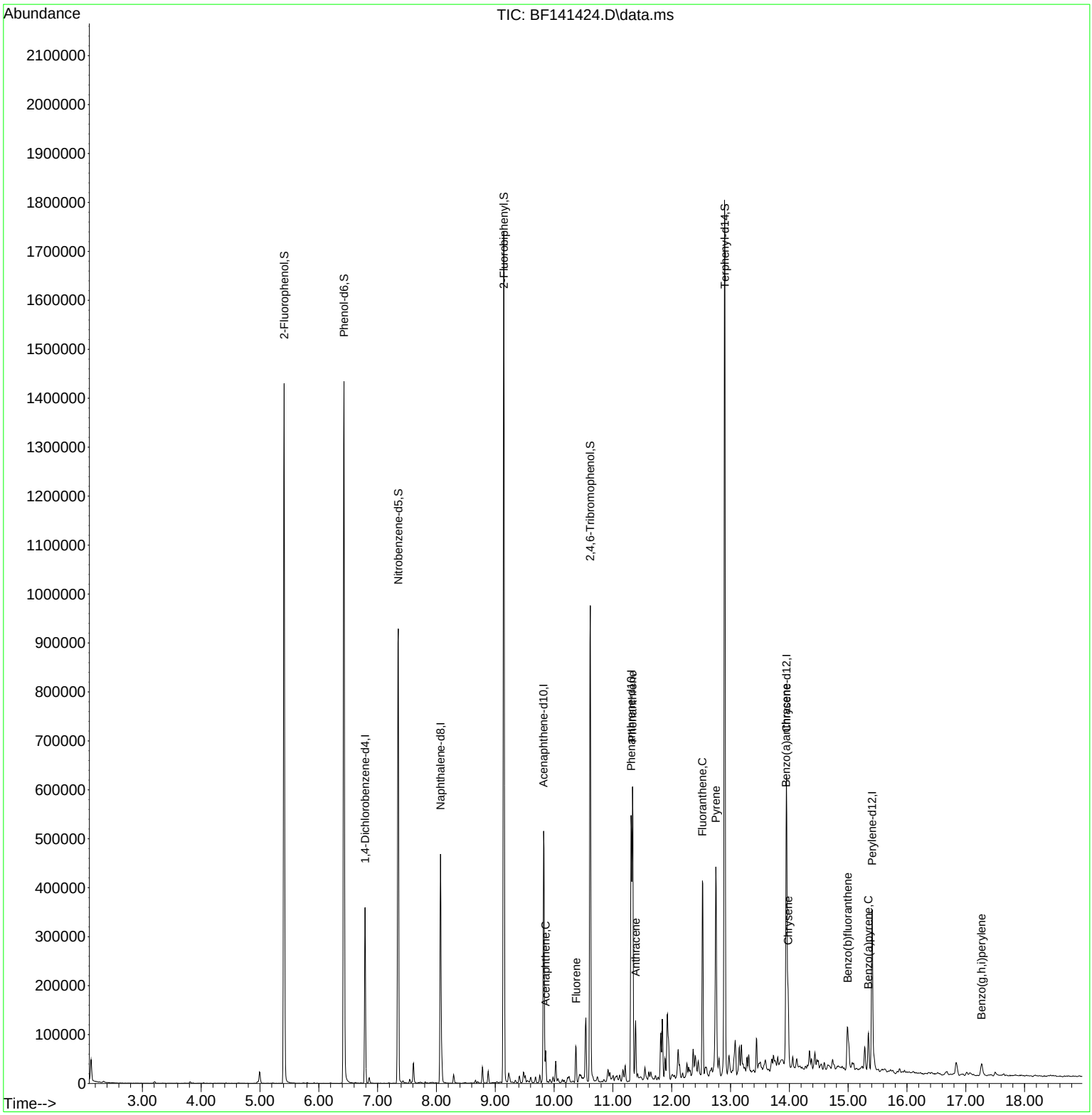
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	70324	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	279899	20.000	ng	#-0.02
39) Acenaphthene-d10	9.822	164	155548	20.000	ng	-0.02
64) Phenanthrene-d10	11.310	188	272951	20.000	ng	-0.02
76) Chrysene-d12	13.951	240	230042	20.000	ng	-0.02
86) Perylene-d12	15.410	264	197101	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	505129	110.272	ng	0.00
7) Phenol-d6	6.428	99	615541	105.630	ng	-0.01
23) Nitrobenzene-d5	7.351	82	405374	76.349	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	152191	106.725	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	749004	74.116	ng	-0.02
79) Terphenyl-d14	12.904	244	895307	60.021	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.857	154	19323	2.044	ng	94
58) Fluorene	10.375	166	29386	2.993	ng	96
71) Phenanthrene	11.333	178	314087	21.407	ng	100
72) Anthracene	11.386	178	67226	4.676	ng	99
75) Fluoranthene	12.522	202	228292	15.758	ng	98
78) Pyrene	12.751	202	245180	11.103	ng	98
81) Benzo(a)anthracene	13.945	228	96432	6.075	ng	98
83) Chrysene	13.980	228	76948	5.289	ng	98
88) Benzo(b)fluoranthene	14.992	252	57537m	4.641	ng	
90) Benzo(a)pyrene	15.345	252	46939	4.480	ng	97
92) Benzo(g,h,i)perylene	17.268	276	22883	2.150	ng	96

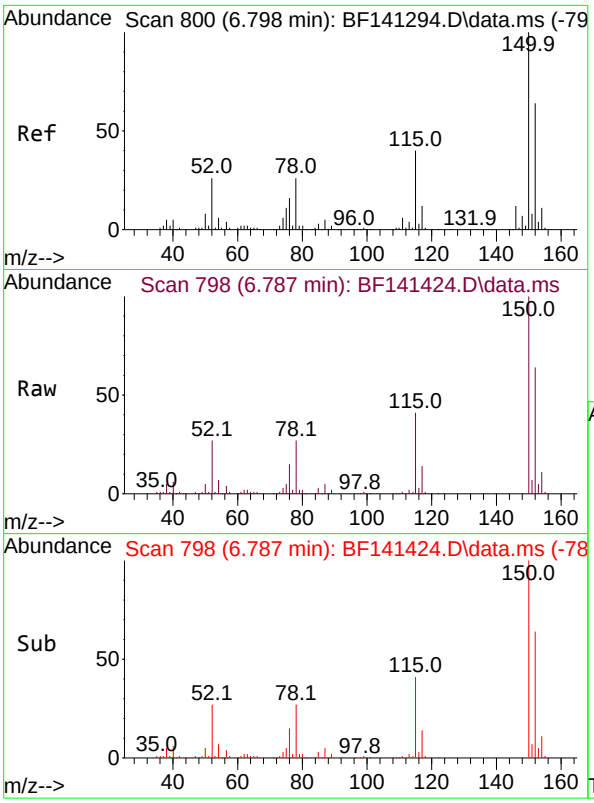
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Time: Feb 05 00:35:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



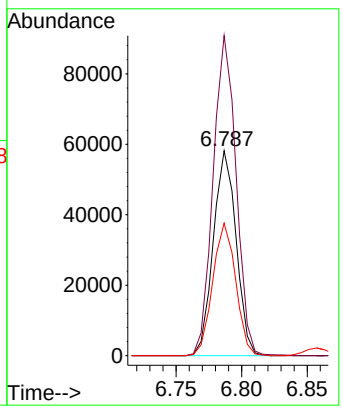


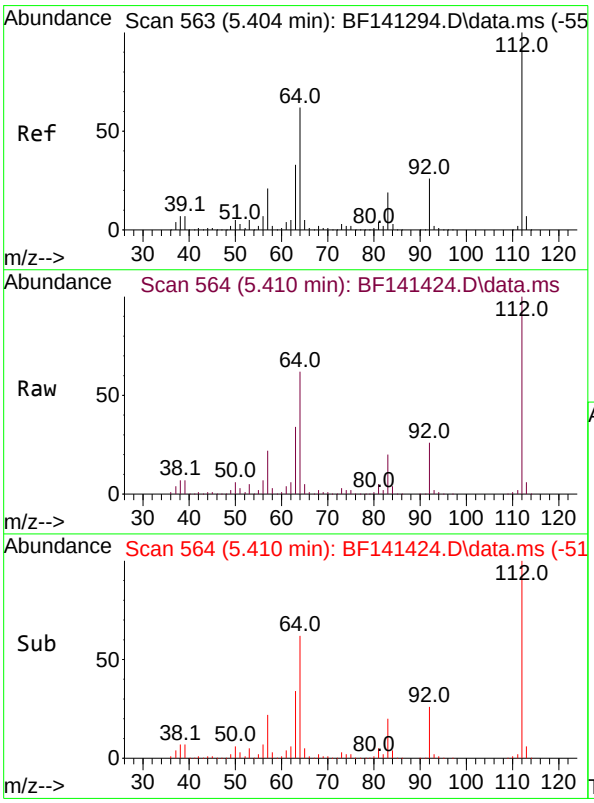
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion:152 Resp: 70324

Ion	Ratio	Lower	Upper
152	100		
150	156.1	125.9	188.9
115	64.6	49.7	74.5

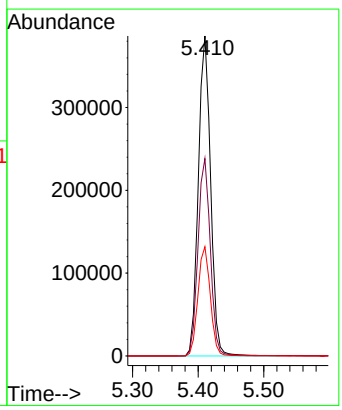


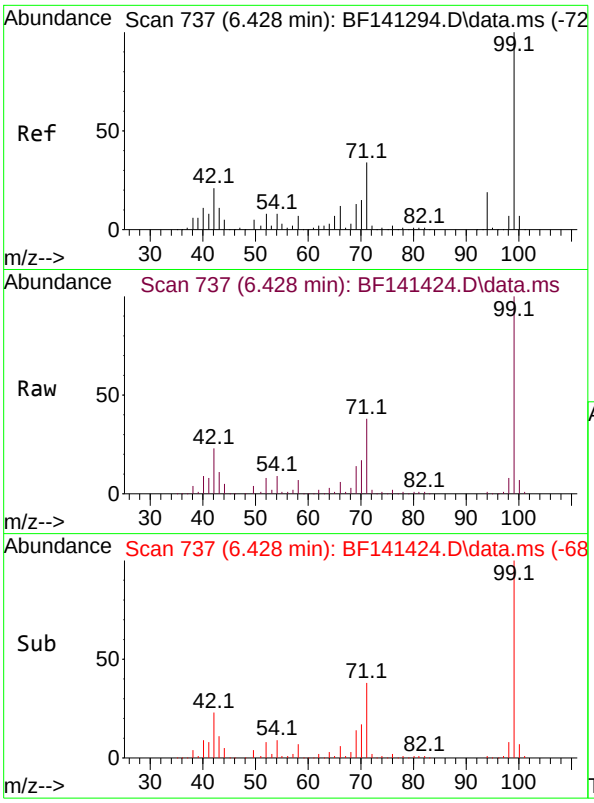


#5
2-Fluorophenol
Concen: 110.272 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:112 Resp: 505129

Ion	Ratio	Lower	Upper
112	100		
64	61.7	49.8	74.8
63	34.1	26.1	39.1



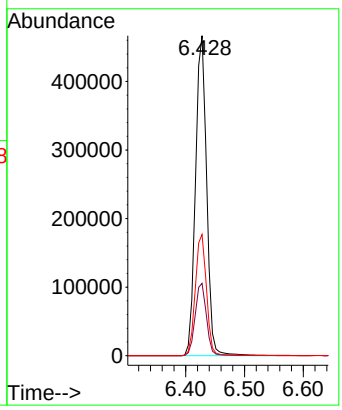


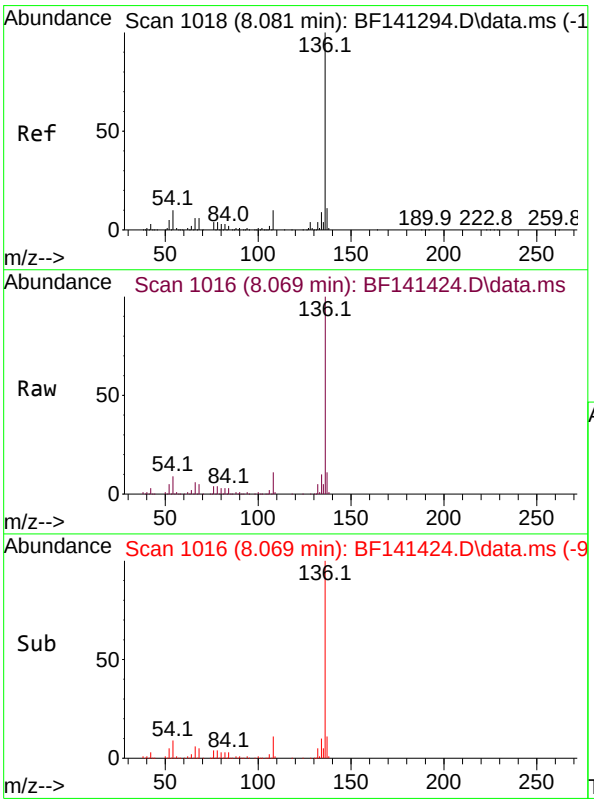
#7
Phenol-d6
Concen: 105.630 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion: 99 Resp: 615541

Ion	Ratio	Lower	Upper
99	100		
42	22.6	17.1	25.7
71	37.9	26.9	40.3

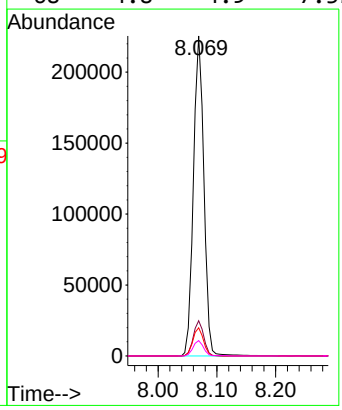


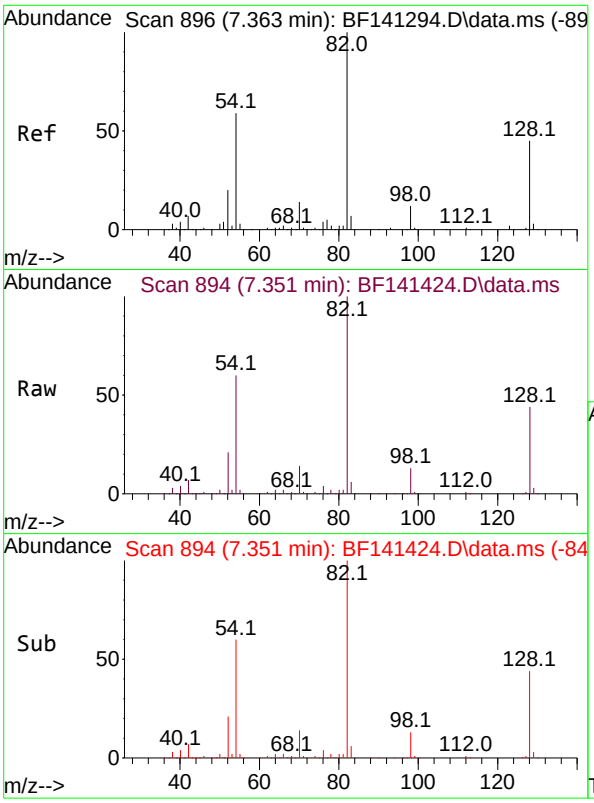


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:136 Resp: 279899

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.8	7.8	11.8
68	4.8	4.9	7.3#



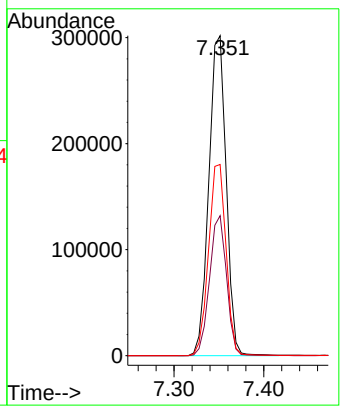


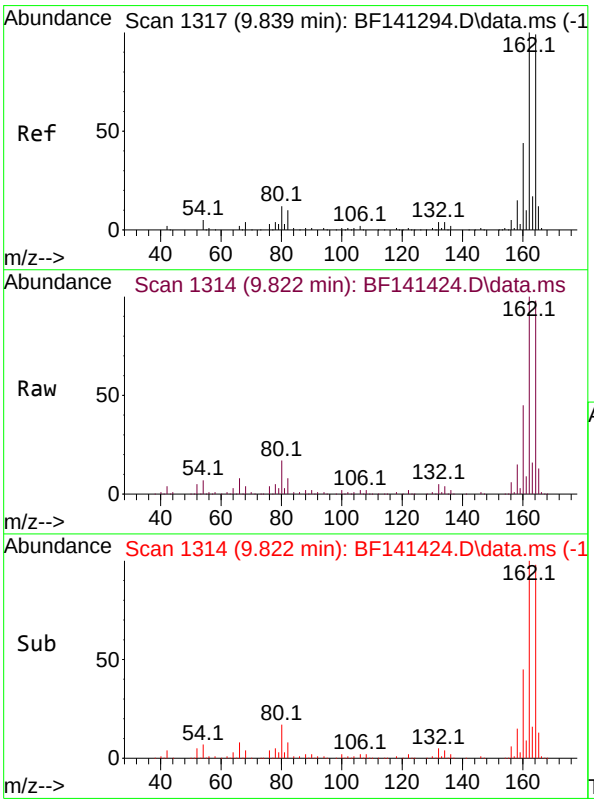
#23
Nitrobenzene-d5
Concen: 76.349 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion: 82 Resp: 405374

Ion	Ratio	Lower	Upper
82	100		
128	43.8	35.7	53.5
54	59.8	47.1	70.7

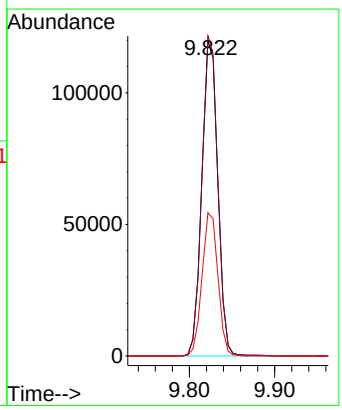


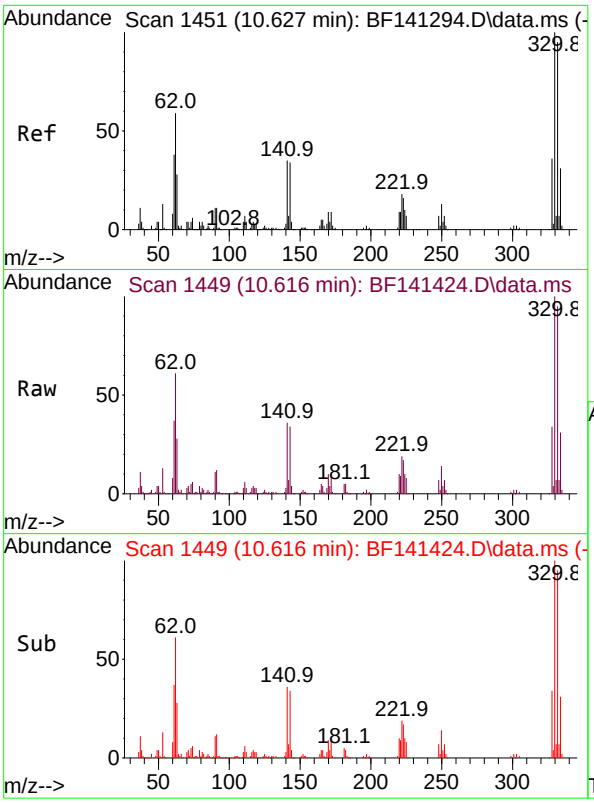


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:164 Resp: 155548

Ion	Ratio	Lower	Upper
164	100		
162	101.6	80.6	121.0
160	45.5	35.8	53.6



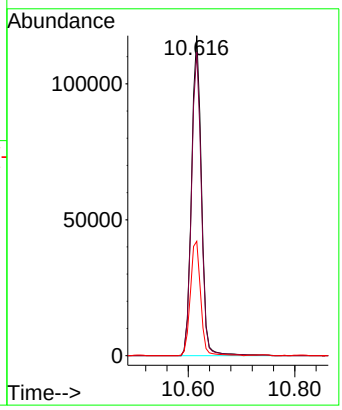


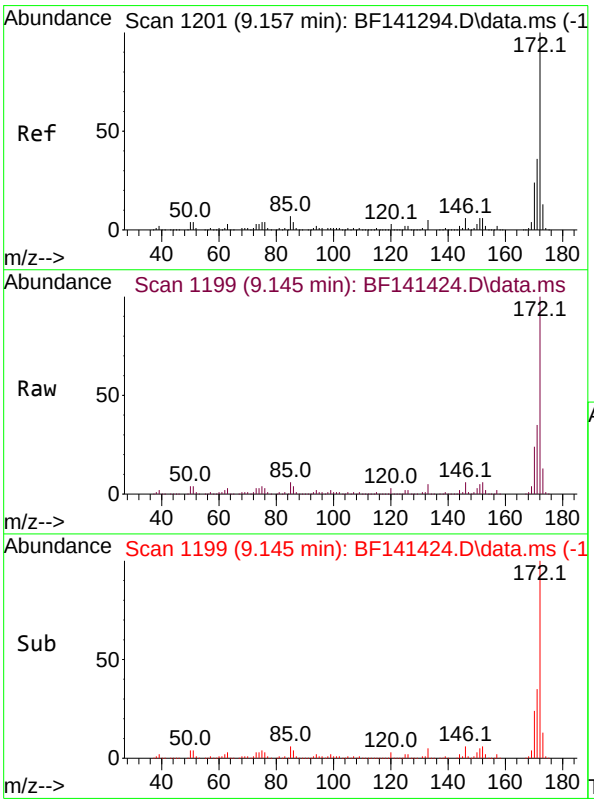
#42
2,4,6-Tribromophenol
Concen: 106.725 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion:330 Resp: 152191

Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.1	114.1
141	37.3	28.8	43.2

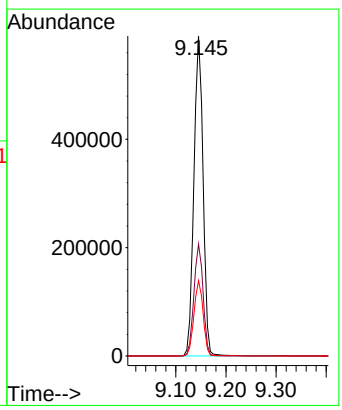


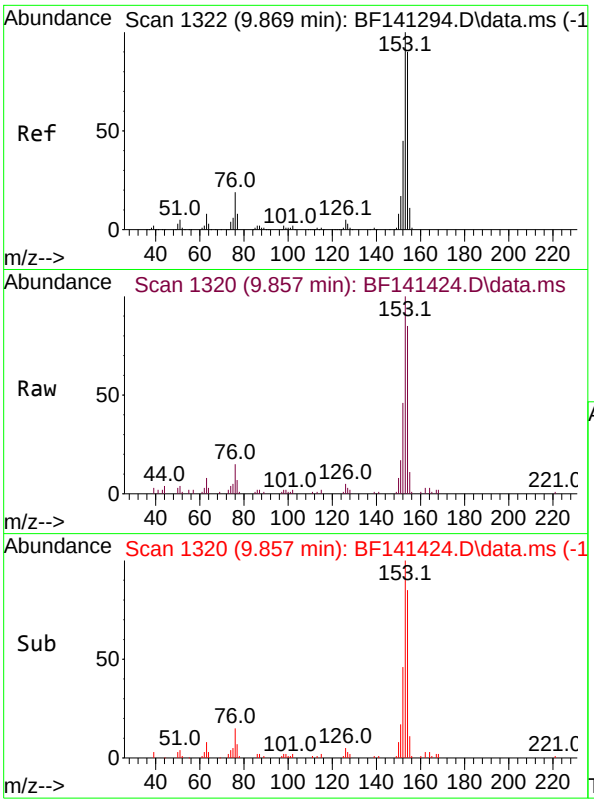


#45
2-Fluorobiphenyl
Concen: 74.116 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:172 Resp: 749004

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.8	43.2
170	23.5	19.0	28.6



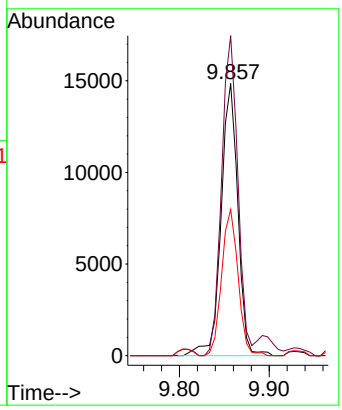


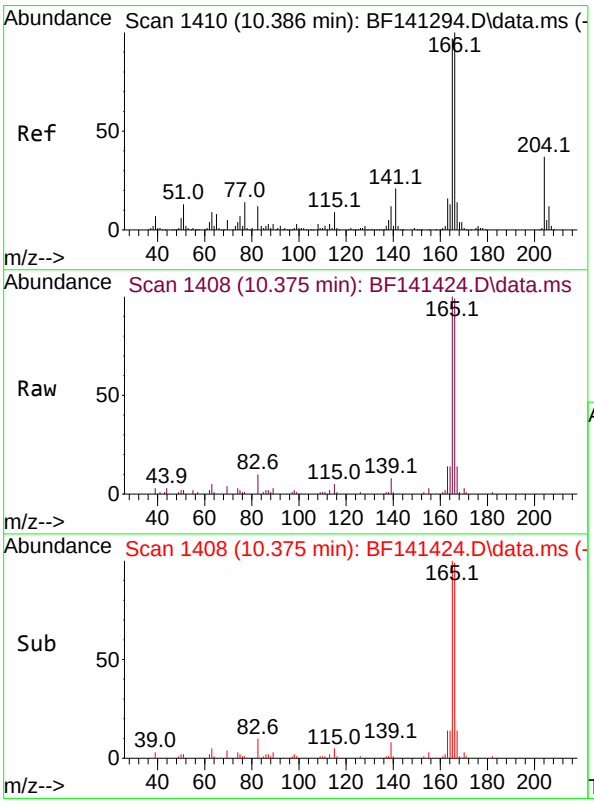
#52
Acenaphthene
Concen: 2.044 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion:154 Resp: 19323

Ion	Ratio	Lower	Upper
154	100		
153	117.6	89.0	133.4
152	53.7	40.2	60.4

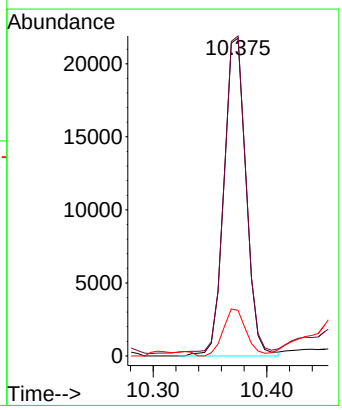


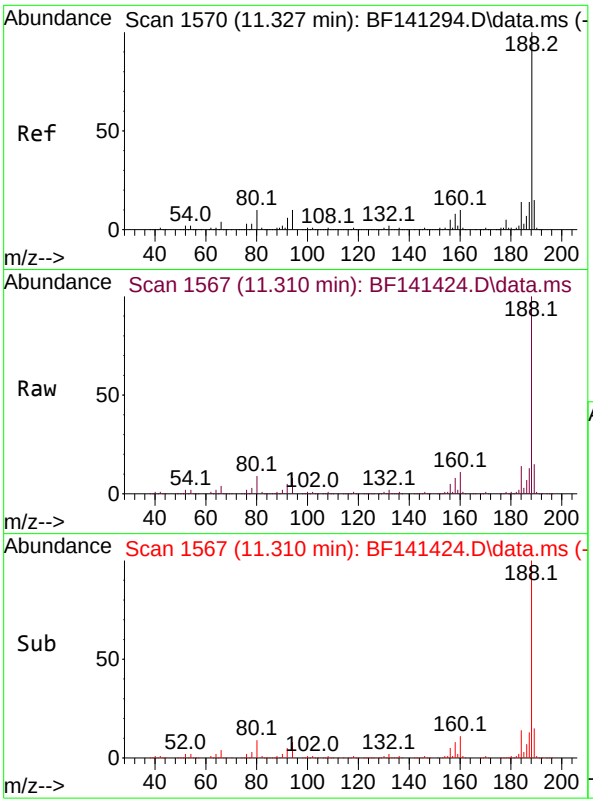


#58
Fluorene
Concen: 2.993 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:166 Resp: 29386

Ion	Ratio	Lower	Upper
166	100		
165	100.7	77.5	116.3
167	14.4	10.9	16.3



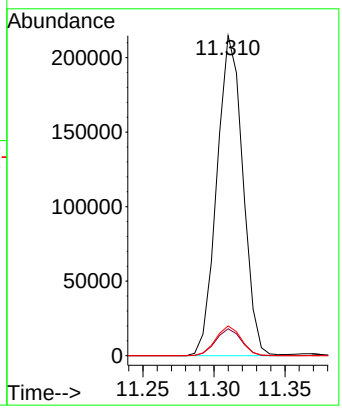


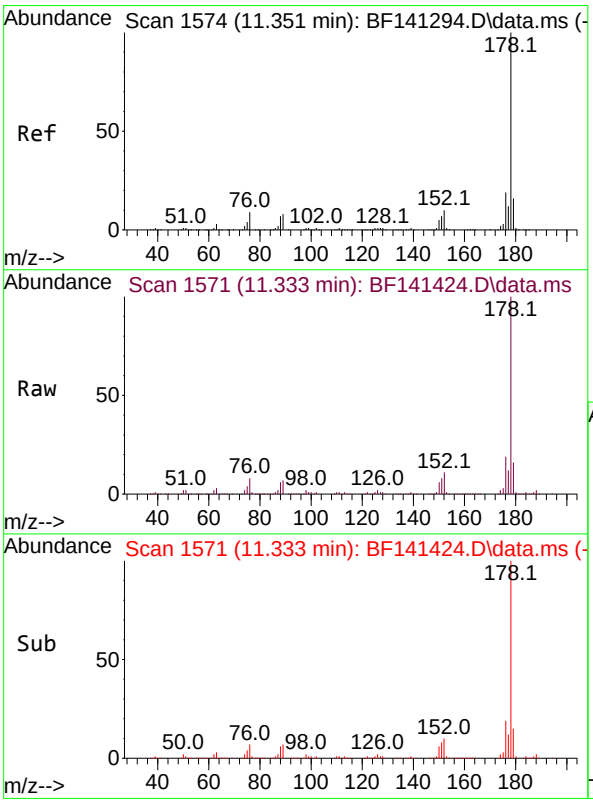
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion:188 Resp: 272951

Ion	Ratio	Lower	Upper
188	100		
94	8.4	7.8	11.6
80	9.3	8.2	12.4

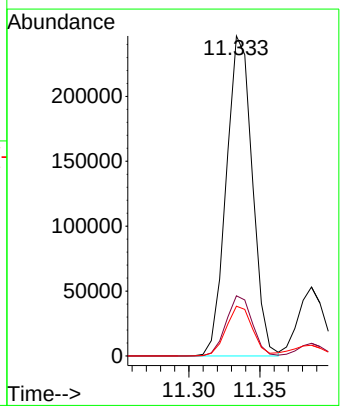


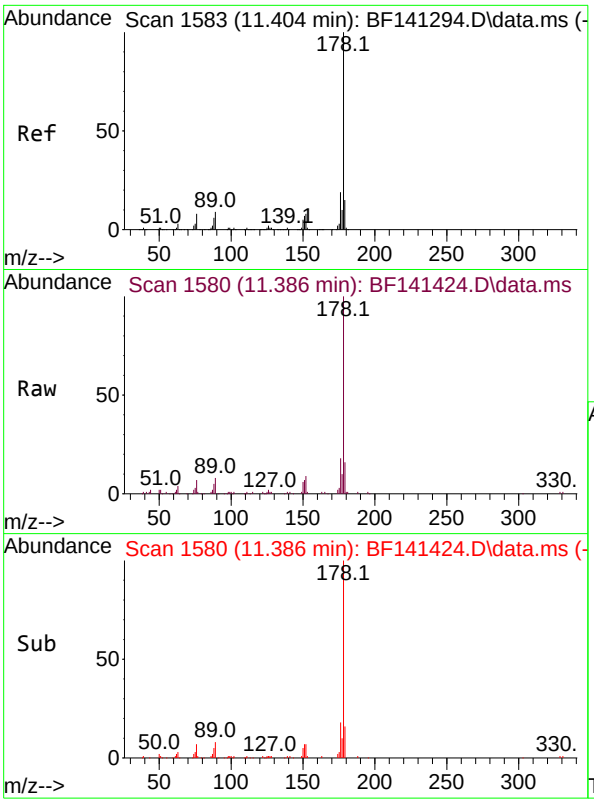


#71
Phenanthrene
Concen: 21.407 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:178 Resp: 314087

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.5	12.5	18.7



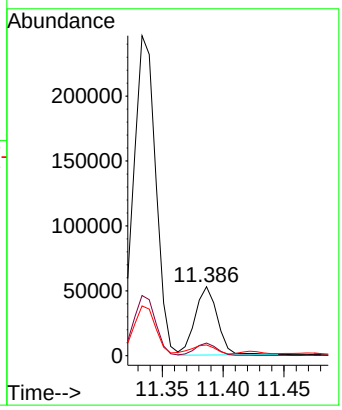


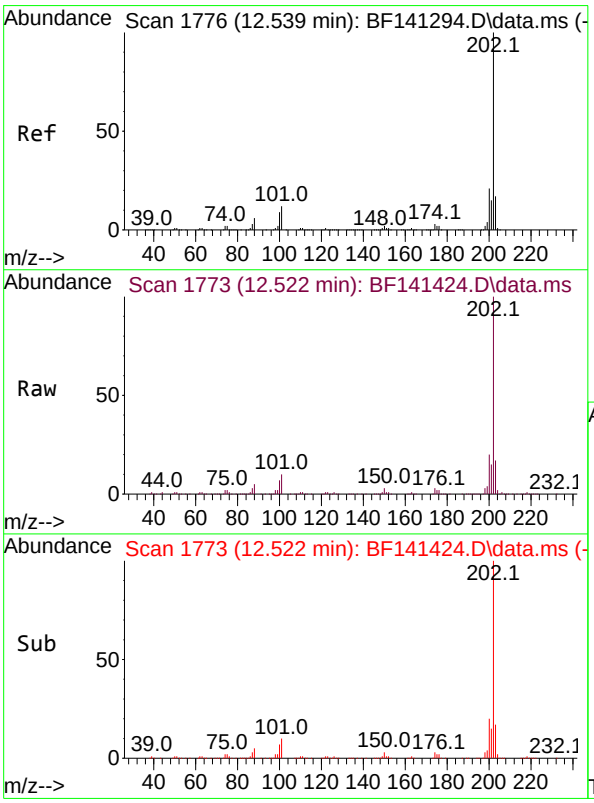
#72
Anthracene
Concen: 4.676 ng
RT: 11.386 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion:178 Resp: 67226

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.0	22.6
179	15.6	12.3	18.5

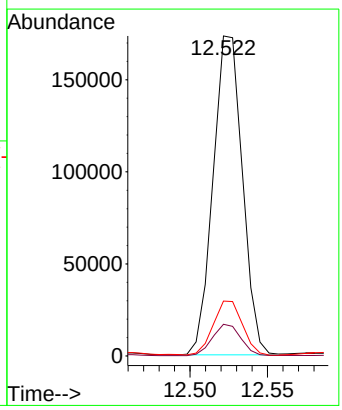


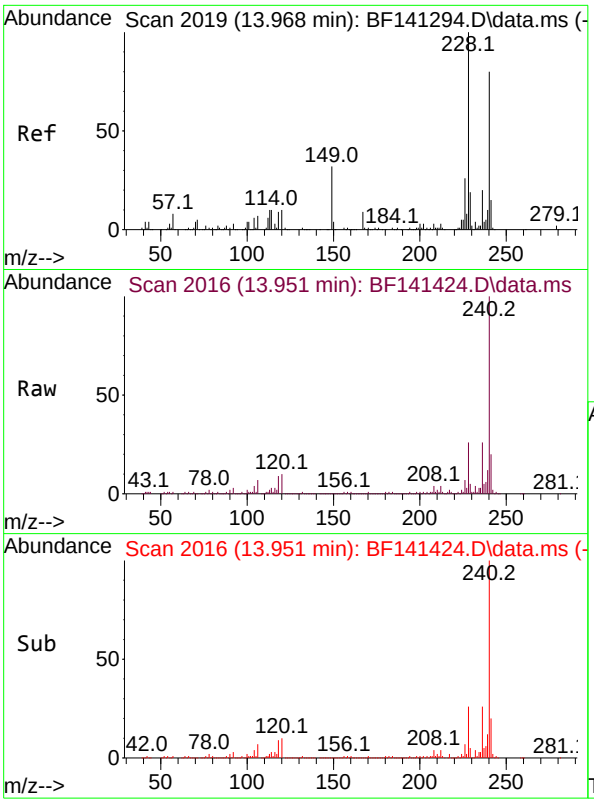


#75
Fluoranthene
Concen: 15.758 ng
RT: 12.522 min Scan# 1773
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:202 Resp: 228292

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	31.7
203	17.1	0.0	37.5



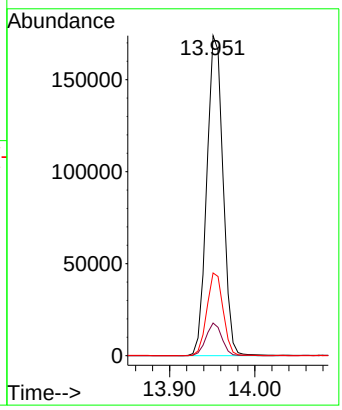


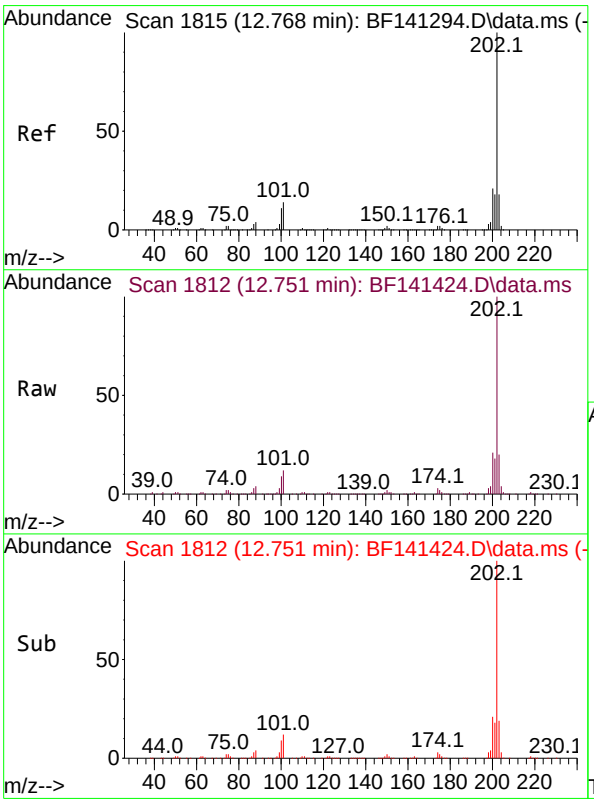
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion:240 Resp: 230042

Ion	Ratio	Lower	Upper
240	100		
120	10.2	10.0	15.0
236	25.8	19.7	29.5

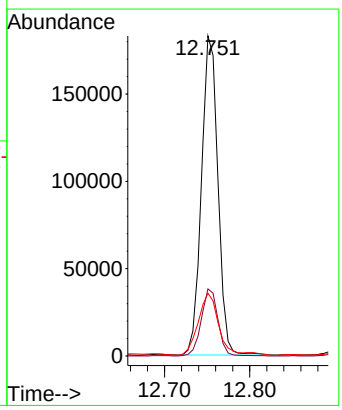


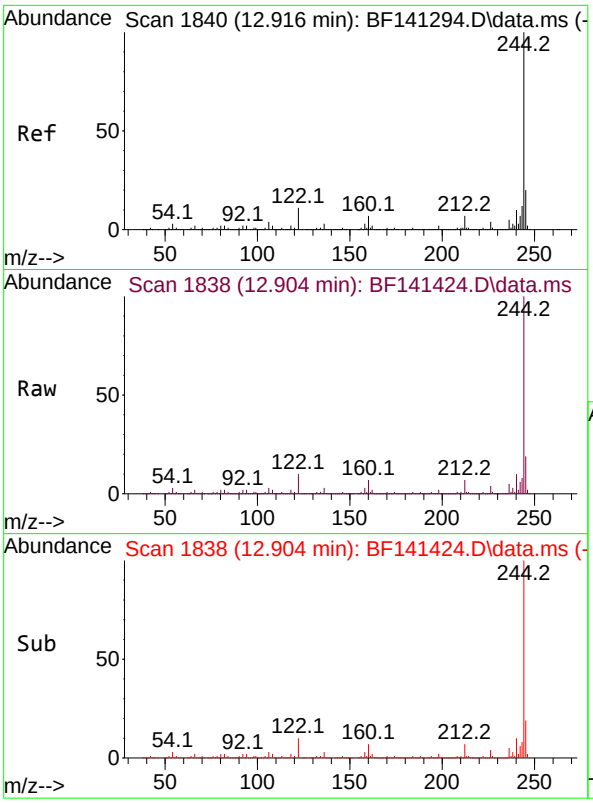


#78
Pyrene
Concen: 11.103 ng
RT: 12.751 min Scan# 1812
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:202 Resp: 245180

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	19.6	14.3	21.5



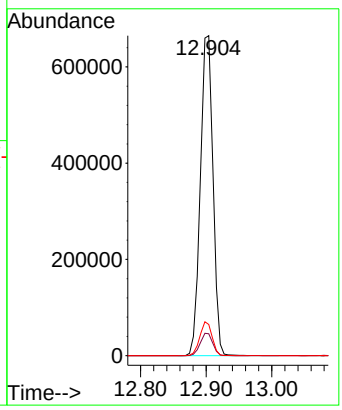


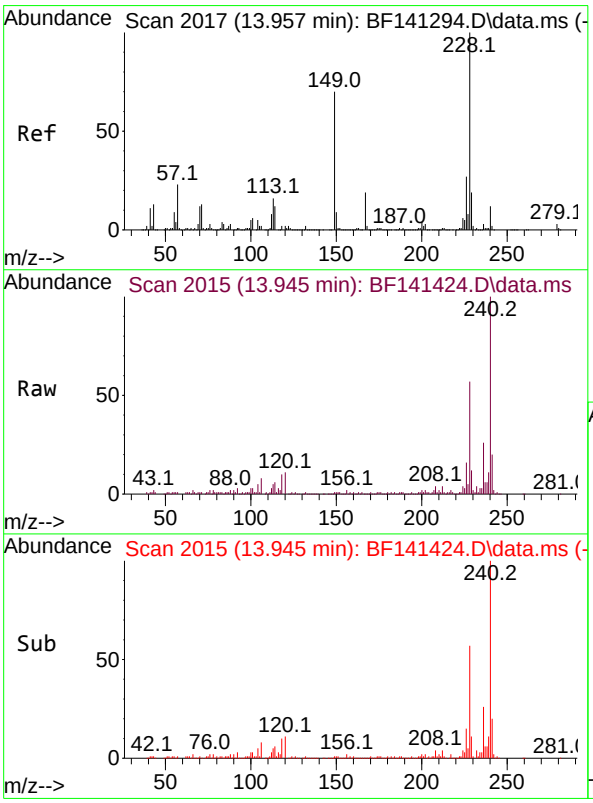
#79
Terphenyl-d14
Concen: 60.021 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion:244 Resp: 895307

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	9.8	8.8	13.2

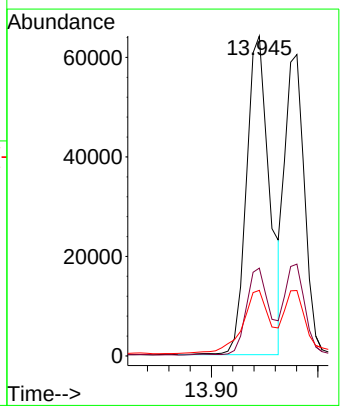


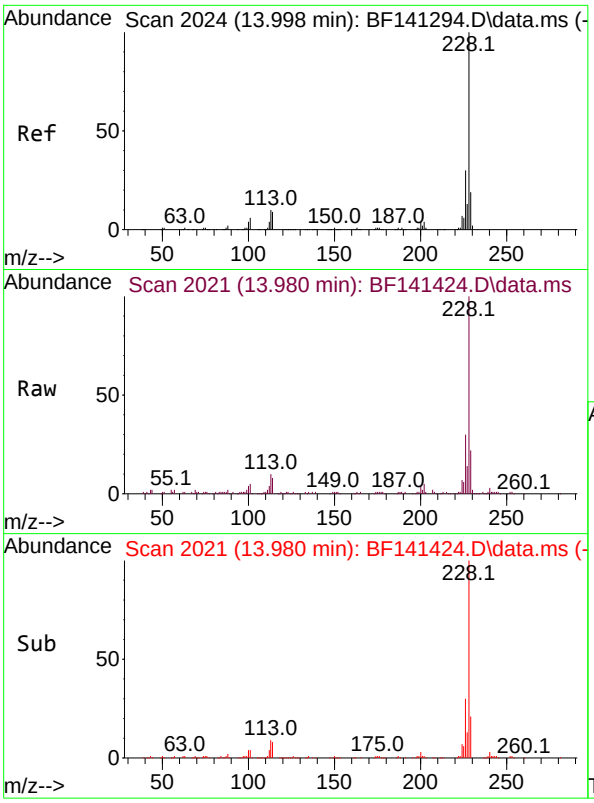


#81
Benzo(a)anthracene
Concen: 6.075 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:228 Resp: 96432

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.4	32.2
229	20.5	15.5	23.3



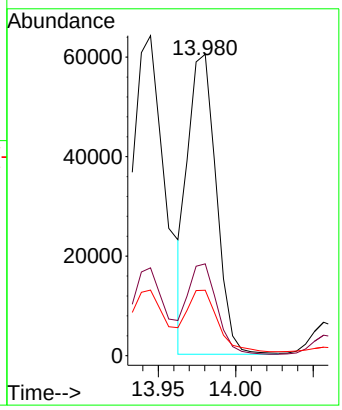


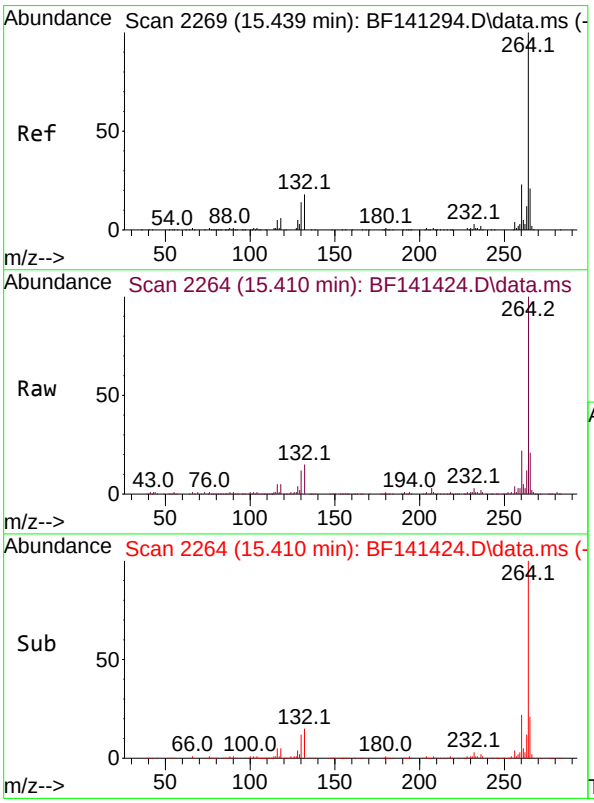
#83
Chrysene
Concen: 5.289 ng
RT: 13.980 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion:228 Resp: 76948

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.1	36.1
229	21.7	15.6	23.4

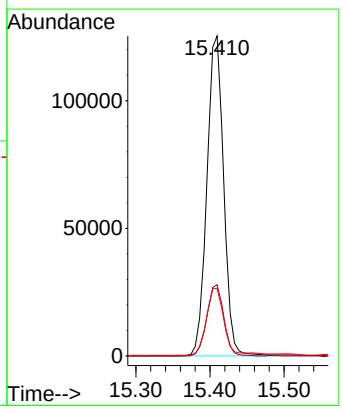


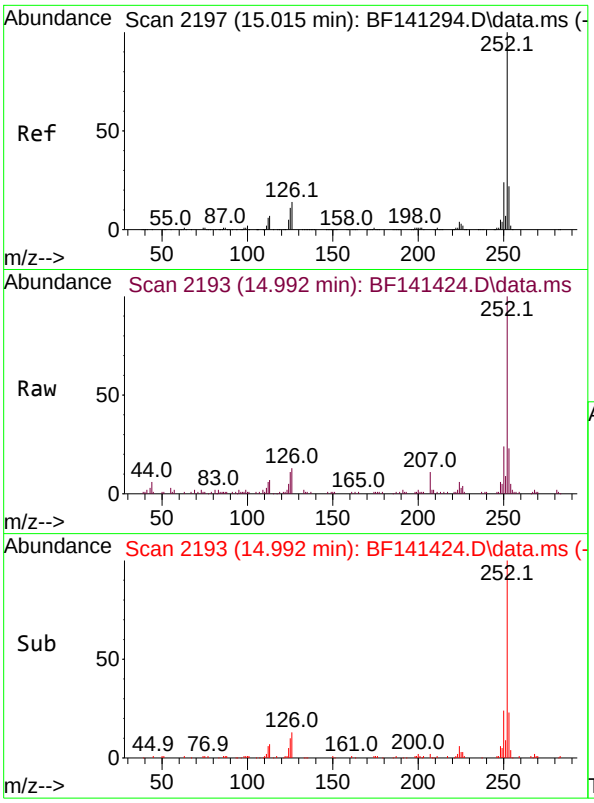


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2264
Delta R.T. -0.029 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:264 Resp: 197101

Ion	Ratio	Lower	Upper
264	100		
260	22.2	18.6	27.8
265	21.2	16.7	25.1



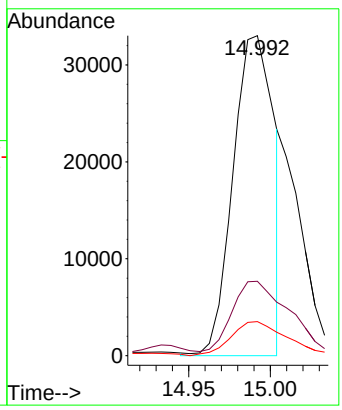


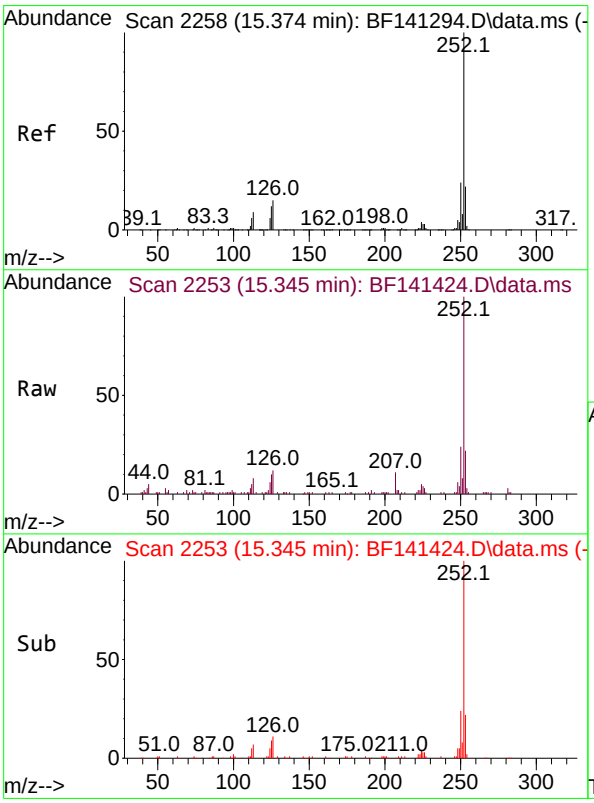
#88
Benzo(b)fluoranthene
Concen: 4.641 ng m
RT: 14.992 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion:252 Resp: 57537

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	10.6	8.6	12.8

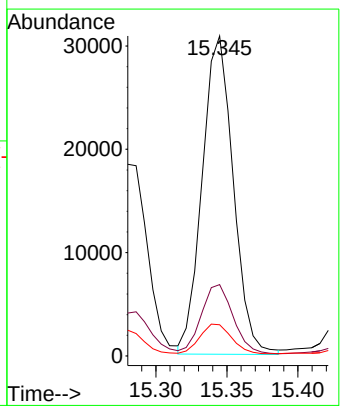


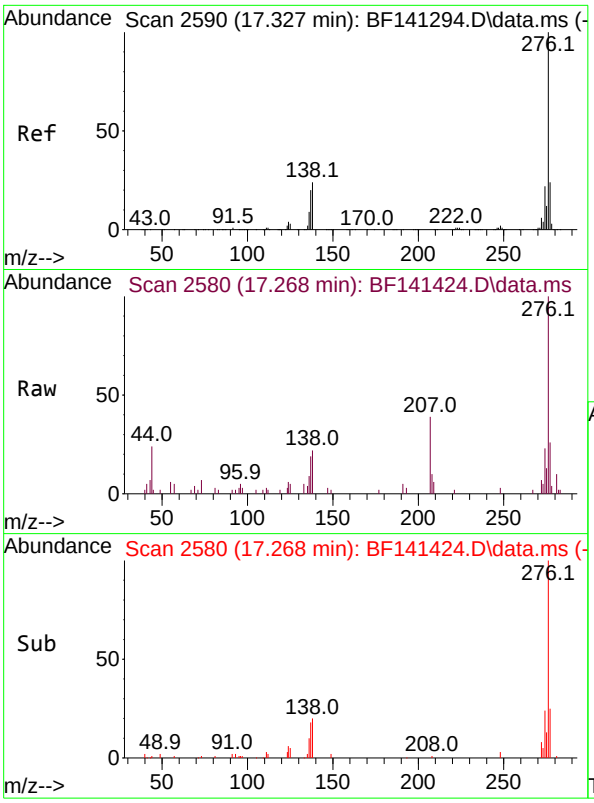


#90
Benzo(a)pyrene
Concen: 4.480 ng
RT: 15.345 min Scan# 2253
Delta R.T. -0.035 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:252 Resp: 46939

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	9.8	9.4	14.2



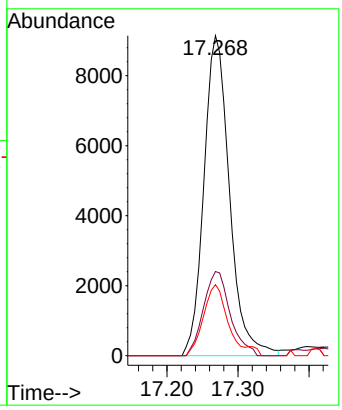


#92
Benzo(g,h,i)perylene
Concen: 2.150 ng
RT: 17.268 min Scan# 2
Delta R.T. -0.077 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Tgt Ion:276 Resp: 22883

Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.2	28.8
138	22.2	19.0	28.4



Sample Results: **BF141424.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141424.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.128	3	6	20	rVB	44815	69880	2.84%	0.344%
2	4.993	489	493	501	rVB	23213	35934	1.46%	0.177%
3	5.410	558	564	583	rBV	1429840	1876836	76.21%	9.252%
4	6.428	731	737	756	rBV	1433484	1924788	78.16%	9.488%
5	6.787	793	798	803	rBV	358841	433180	17.59%	2.135%
6	7.351	887	894	899	rBV	928282	1241600	50.42%	6.120%
7	7.610	931	938	948	rVB	41091	58094	2.36%	0.286%
8	8.069	1011	1016	1035	rBV	467999	644940	26.19%	3.179%
9	8.781	1130	1137	1145	rVB	32754	40459	1.64%	0.199%
10	8.881	1149	1154	1159	rVB	24049	28778	1.17%	0.142%
11	9.145	1193	1199	1204	rBV	1739459	2188516	88.87%	10.788%
12	9.228	1209	1213	1221	rVB2	17899	30324	1.23%	0.149%
13	9.481	1249	1256	1259	rBV	21986	33039	1.34%	0.163%
14	9.822	1307	1314	1318	rBV	513705	679373	27.59%	3.349%
15	9.857	1318	1320	1324	rVB	63897	65821	2.67%	0.324%
16	10.028	1345	1349	1353	rBV	41712	52529	2.13%	0.259%
17	10.369	1403	1407	1412	rBV	73921	97959	3.98%	0.483%
18	10.433	1412	1418	1421	rBV	15462	31104	1.26%	0.153%
19	10.539	1431	1436	1441	rVB2	129549	168887	6.86%	0.833%
20	10.616	1443	1449	1461	rBV	972138	1294173	52.55%	6.380%
21	10.916	1494	1500	1503	rBV2	24285	41336	1.68%	0.204%
22	11.169	1538	1543	1547	rBV3	23406	40867	1.66%	0.201%
23	11.210	1547	1550	1557	rVB	32717	42475	1.72%	0.209%
24	11.310	1562	1567	1569	rBV	543381	718683	29.18%	3.543%
25	11.333	1569	1571	1576	rVV	593766	699846	28.42%	3.450%
26	11.386	1576	1580	1584	rVB	113514	141981	5.77%	0.700%
27	11.545	1601	1607	1615	rBV	25027	40746	1.65%	0.201%
28	11.816	1648	1653	1655	rBV	94190	136099	5.53%	0.671%
29	11.839	1655	1657	1662	rVV	122182	143676	5.83%	0.708%
30	11.886	1662	1665	1668	rVV	40703	54564	2.22%	0.269%
31	11.927	1668	1672	1681	rVB2	134034	278648	11.32%	1.374%
32	12.110	1695	1703	1712	rBV2	58964	126138	5.12%	0.622%
33	12.257	1722	1728	1731	rBV	29308	44050	1.79%	0.217%
34	12.363	1741	1746	1749	rBV	54315	77765	3.16%	0.383%
35	12.398	1749	1752	1758	rVV2	39455	75958	3.08%	0.374%
36	12.451	1758	1761	1768	rVB3	28717	44961	1.83%	0.222%

Sample Results: **BF141424.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.522	1768	1773	1778	rBV	396626	525642	21.34%	2.591%
38	12.751	1802	1812	1818	rBV	419128	646153	26.24%	3.185%
39	12.804	1818	1821	1826	rVB3	36162	52713	2.14%	0.260%
40	12.898	1827	1837	1845	rBV	1788857	2462607	100.00%	12.139%
41	12.974	1845	1850	1857	rBV2	36700	65029	2.64%	0.321%
42	13.080	1861	1868	1872	rVB	70429	134129	5.45%	0.661%
43	13.151	1872	1880	1883	rBV	56535	92414	3.75%	0.456%
44	13.186	1883	1886	1889	rBV	42160	47077	1.91%	0.232%
45	13.280	1898	1902	1904	rBV2	26789	33744	1.37%	0.166%
46	13.310	1904	1907	1912	rVB2	33794	40640	1.65%	0.200%
47	13.439	1925	1929	1933	rBV	68893	95157	3.86%	0.469%
48	13.704	1968	1974	1976	rBV3	24869	44552	1.81%	0.220%
49	13.951	2009	2016	2028	rVB2	593709	1108295	45.00%	5.463%
50	14.057	2031	2034	2041	rVB	22724	29545	1.20%	0.146%
51	14.339	2079	2082	2086	rBV	28958	38292	1.55%	0.189%
52	14.433	2093	2098	2102	rBV3	31215	49738	2.02%	0.245%
53	14.733	2145	2149	2158	rVB4	19073	38984	1.58%	0.192%
54	14.986	2187	2192	2201	rBV	87540	205729	8.35%	1.014%
55	15.280	2238	2242	2248	rVB	45538	69611	2.83%	0.343%
56	15.345	2248	2253	2258	rVV	74363	113072	4.59%	0.557%
57	15.410	2258	2264	2276	rVB	327051	561206	22.79%	2.766%
58	16.833	2501	2506	2515	rVB2	26329	63458	2.58%	0.313%
59	17.268	2574	2580	2595	rVB	24484	64241	2.61%	0.317%

Sum of corrected areas: 20286035

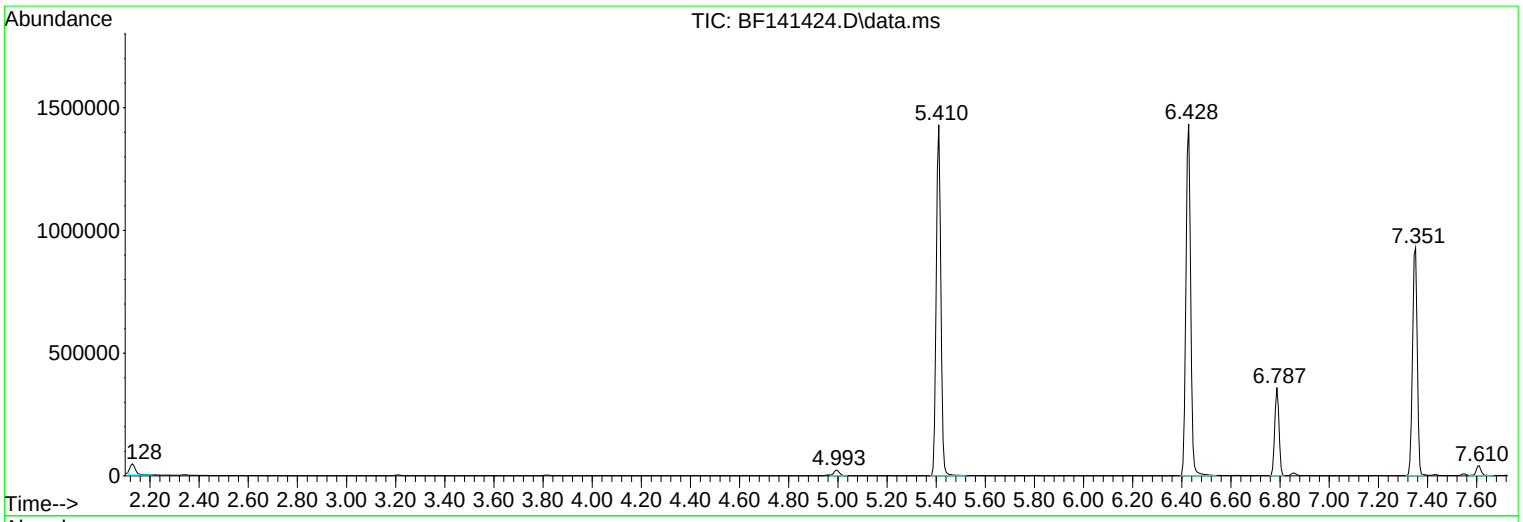
Sample Results: **BF141424.D**

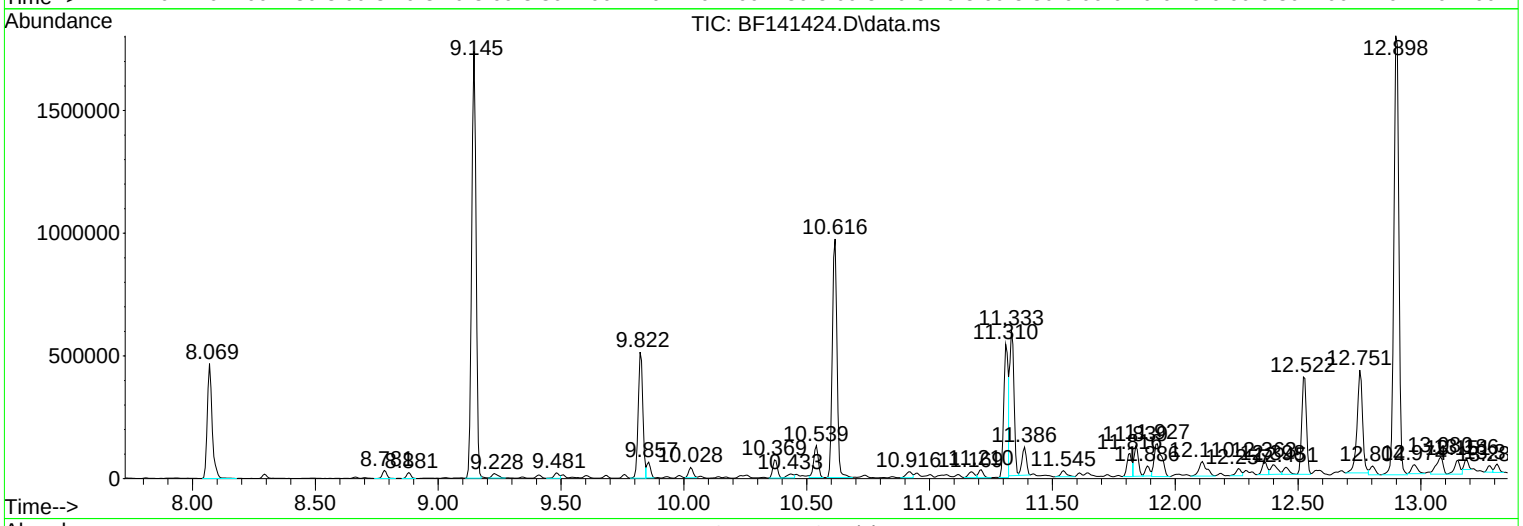
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

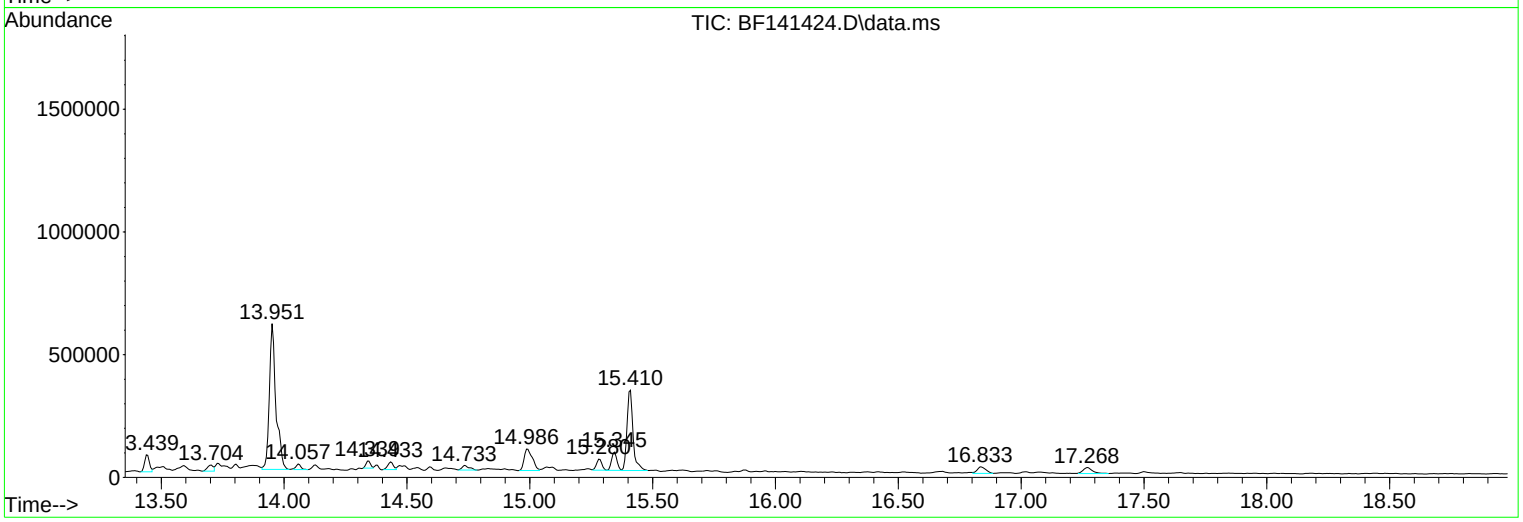
Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

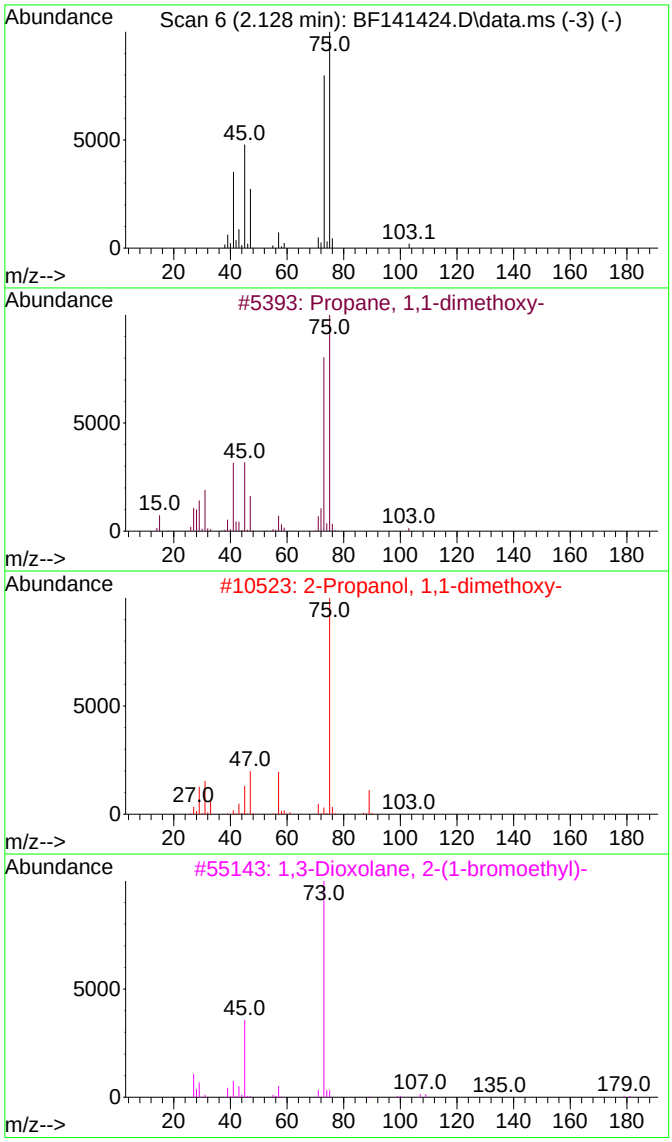
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

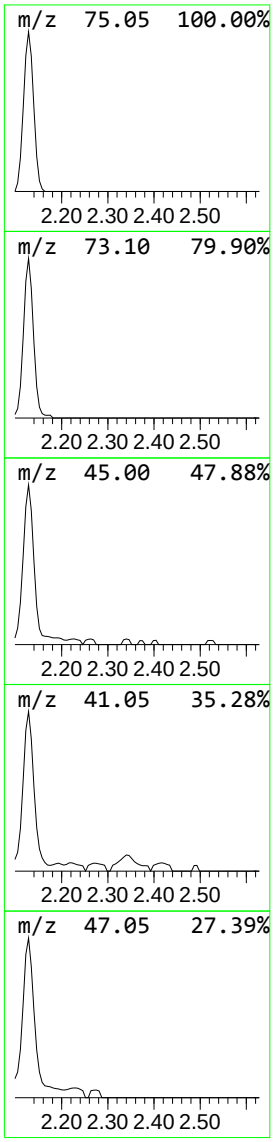
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.128	3.23 ng	69880	1,4-Dichlorobenzene-d4	6.787

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	64
2	2-Propanol, 1,1-dimethoxy-	120	C5H12O3	042919-42-6	42
3	1,3-Dioxolane, 2-(1-bromoethyl)-	180	C5H9BrO2	005267-73-2	22
4	Glycolaldehyde dimethyl acetal	106	C4H10O3	030934-97-5	10
5	Methane, isothiocyanato-	73	C2H3NS	000556-61-6	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

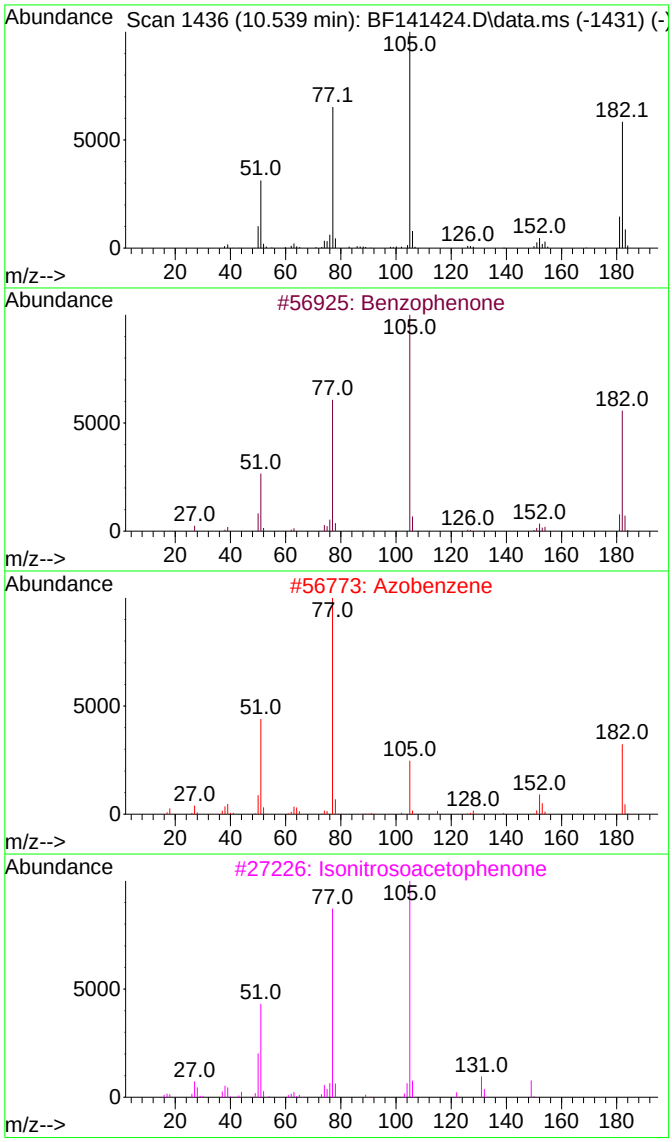
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

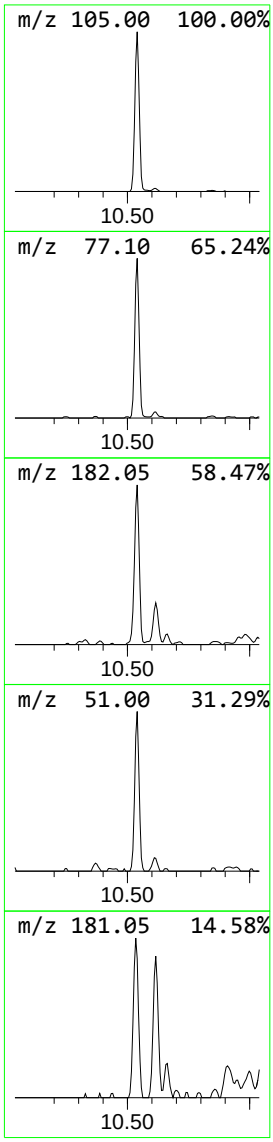
****

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.539	4.97 ng	168887	Acenaphthene-d10	9.822

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	59
3	Isonitrosoacetophenone	149	C8H7NO2	000532-54-7	47
4	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47
5	Vinyl benzoate	148	C9H8O2	000769-78-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

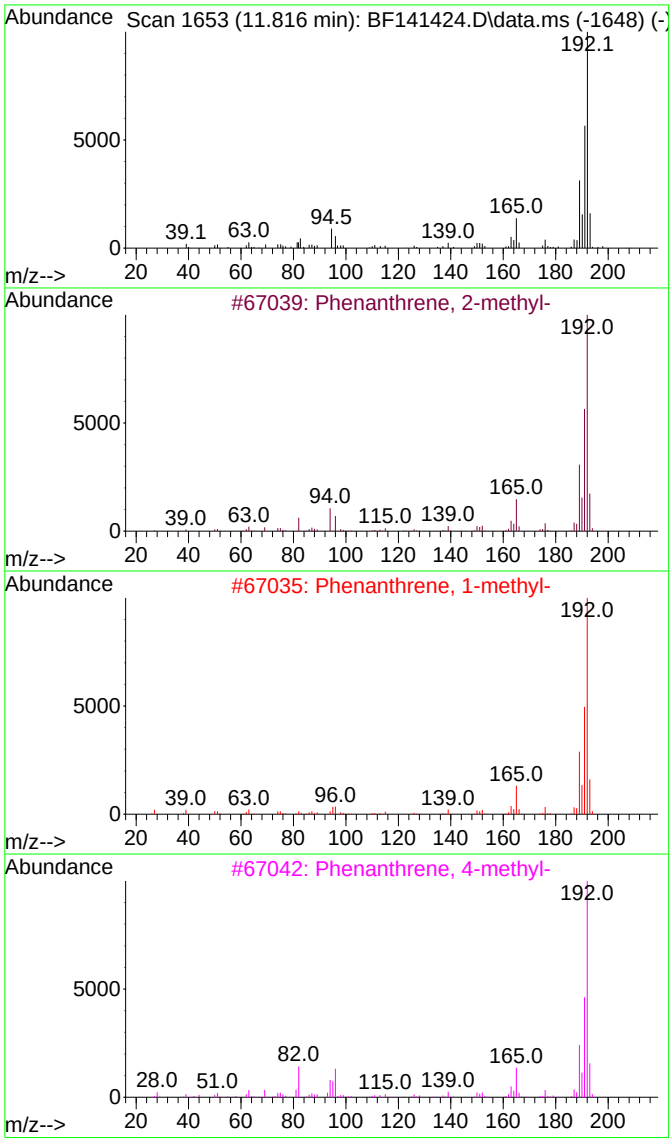
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

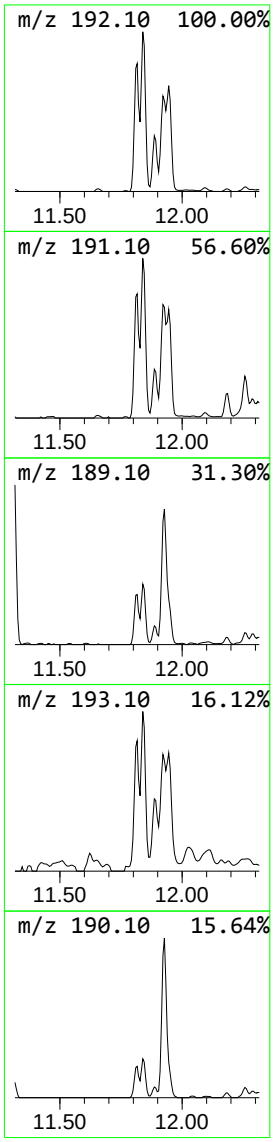
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.816	3.79 ng	136099	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

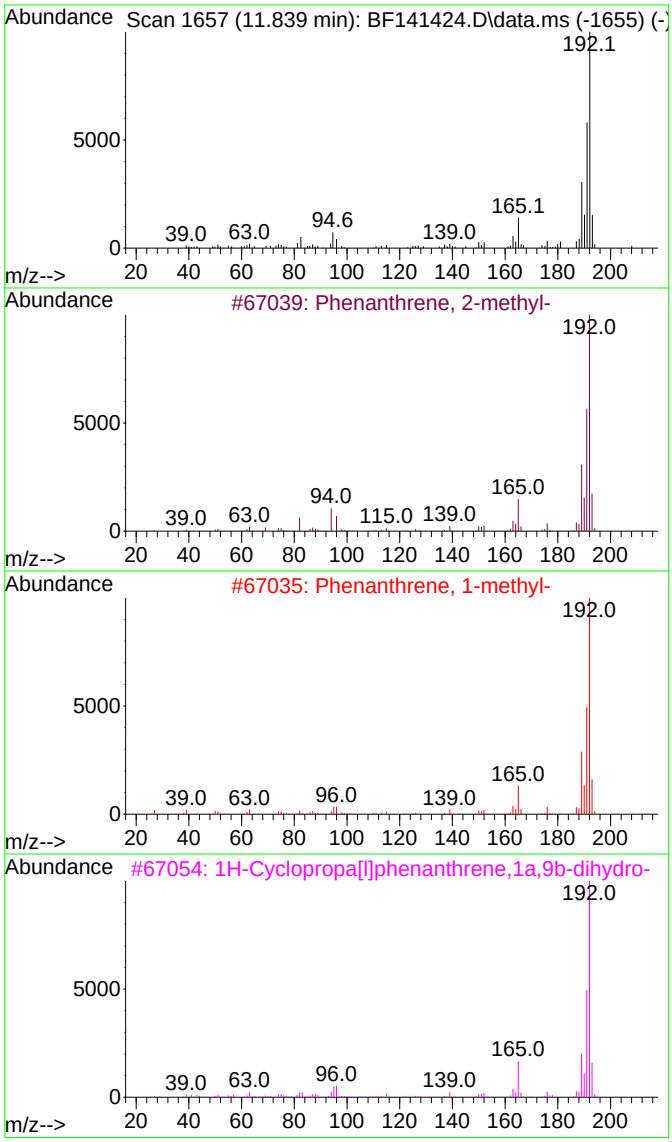
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

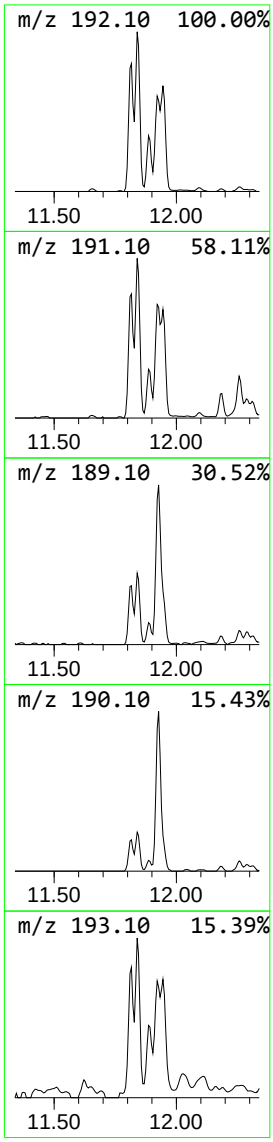
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.839	4.00 ng	143676	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

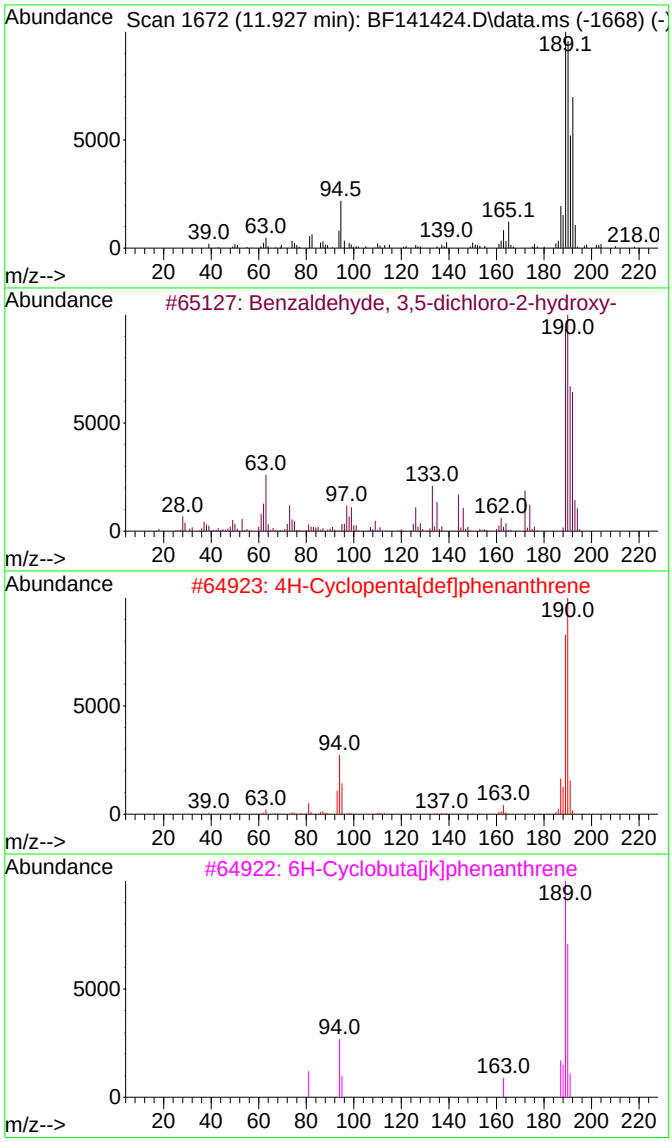
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

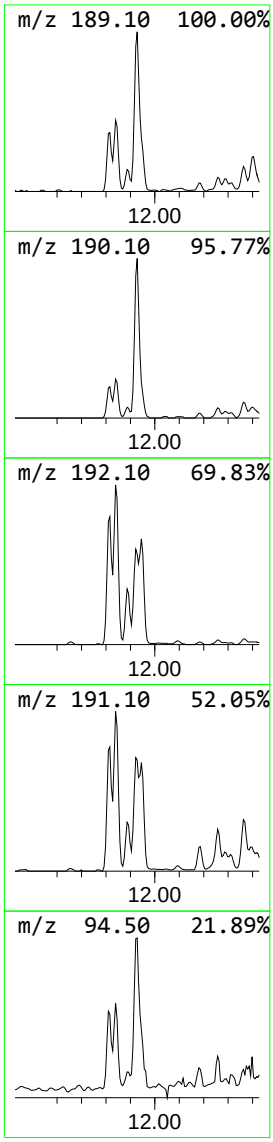
****

Peak Number 5 Benzaldehyde, 3,5-dichloro-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.928	7.75 ng	278648	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
4	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	27
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

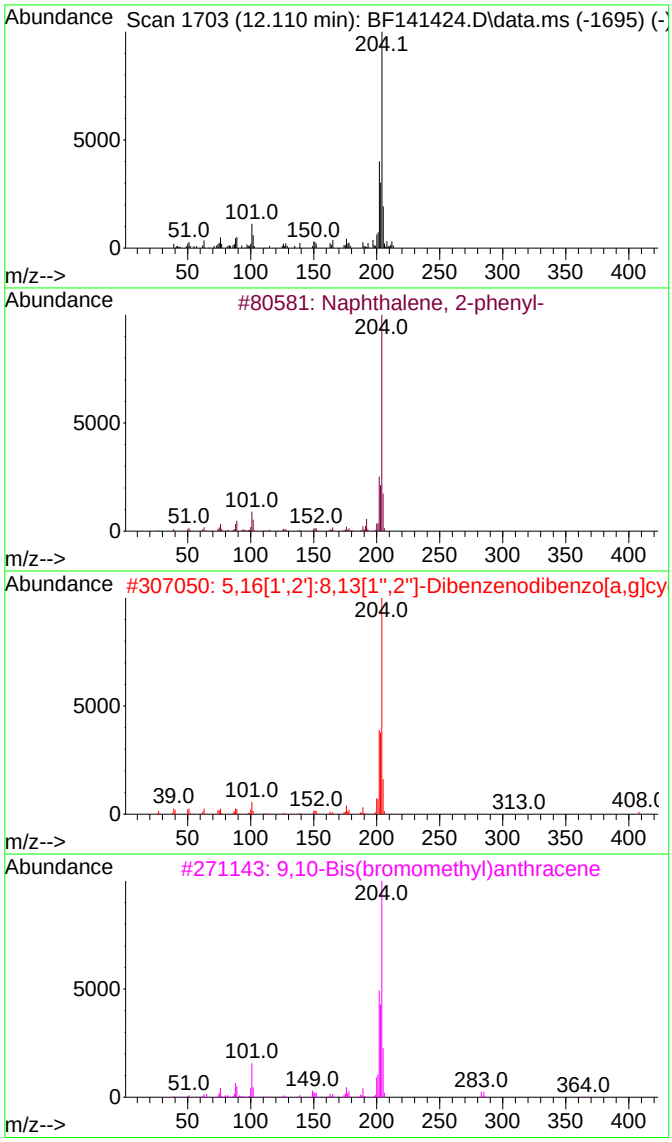
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

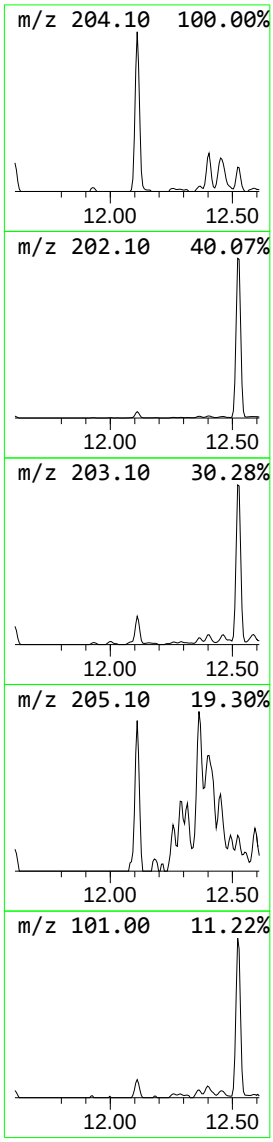
****

Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.110	3.51 ng	126138	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	78
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

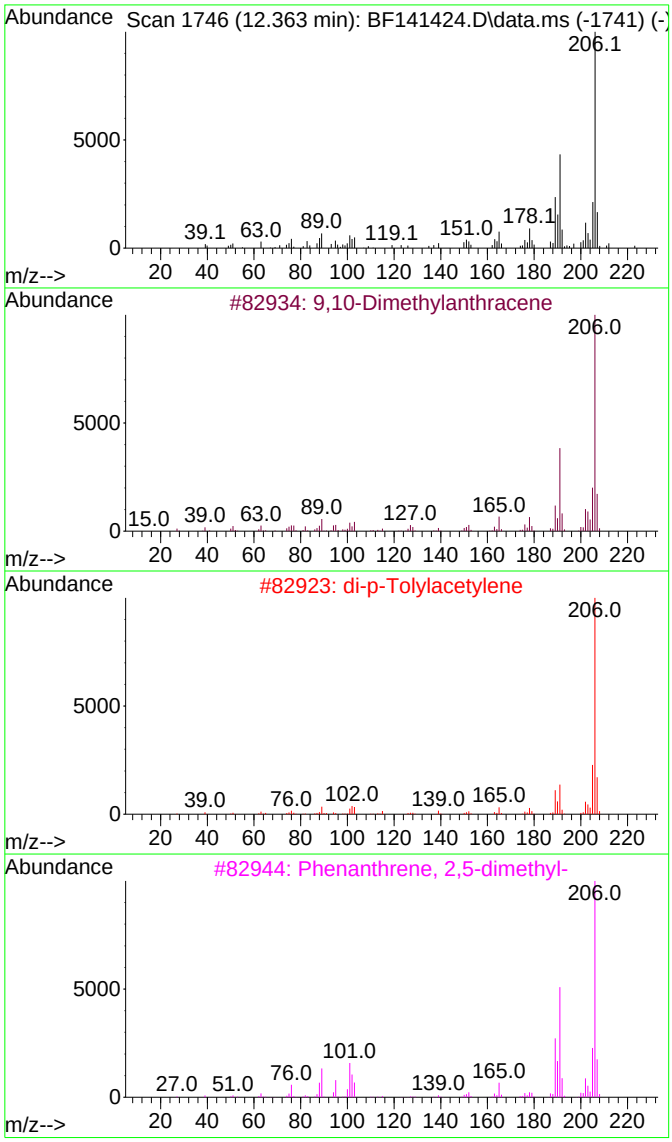
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

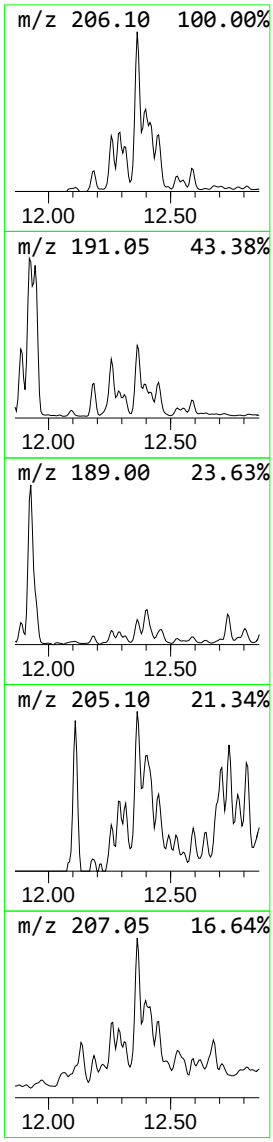
****

Peak Number 7 9,10-Dimethylanthracene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.363	2.16 ng	77765	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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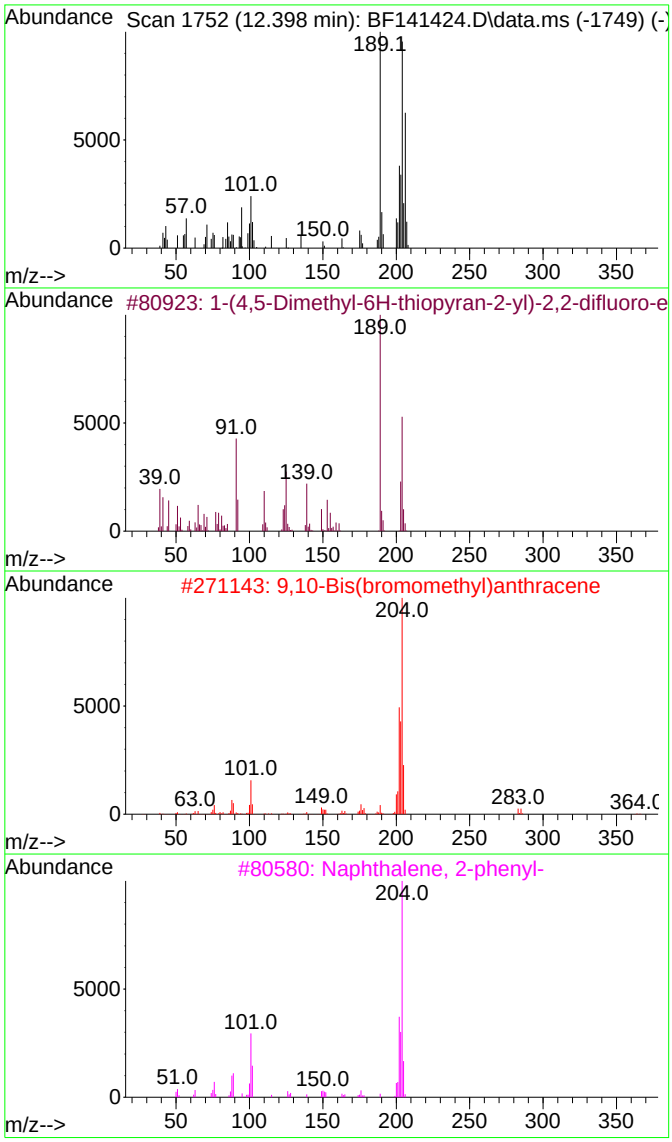
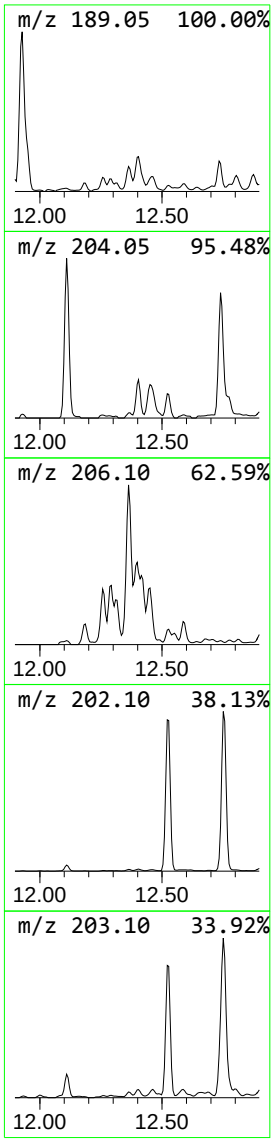
Peak Number 8 unknown12.398 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.398	2.11 ng	75958	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4,5-Dimethyl-6H-thiopyran-2-y...	204	C9H10F2OS	1000318-25-0	49
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	46
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46
4	Naphthalene, 1,2,4a,5,8,8a-hexah...	204	C15H24	005951-61-1	46
5	3,4-Dihydrocoumarin, 4,4-dimethy...	204	C13H16O2	029423-74-3	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

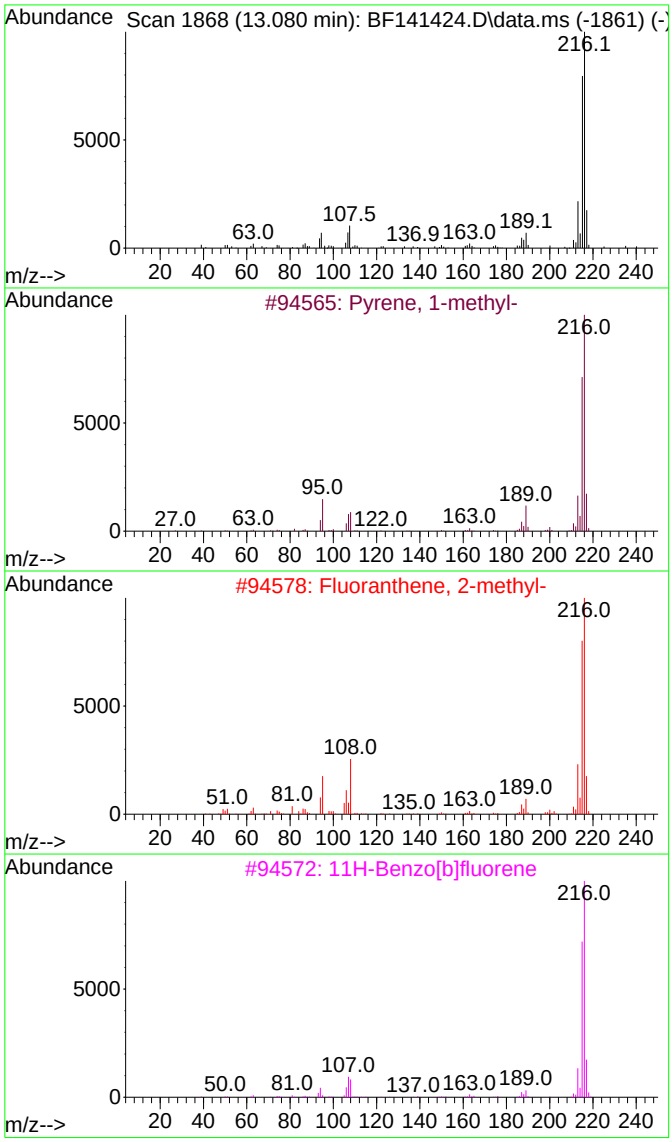
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

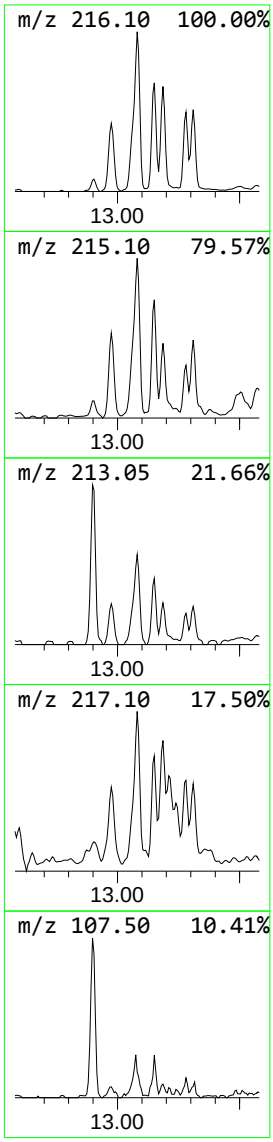
****

Peak Number 9 Pyrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.080	2.42 ng	134129	Chrysene-d12	13.951

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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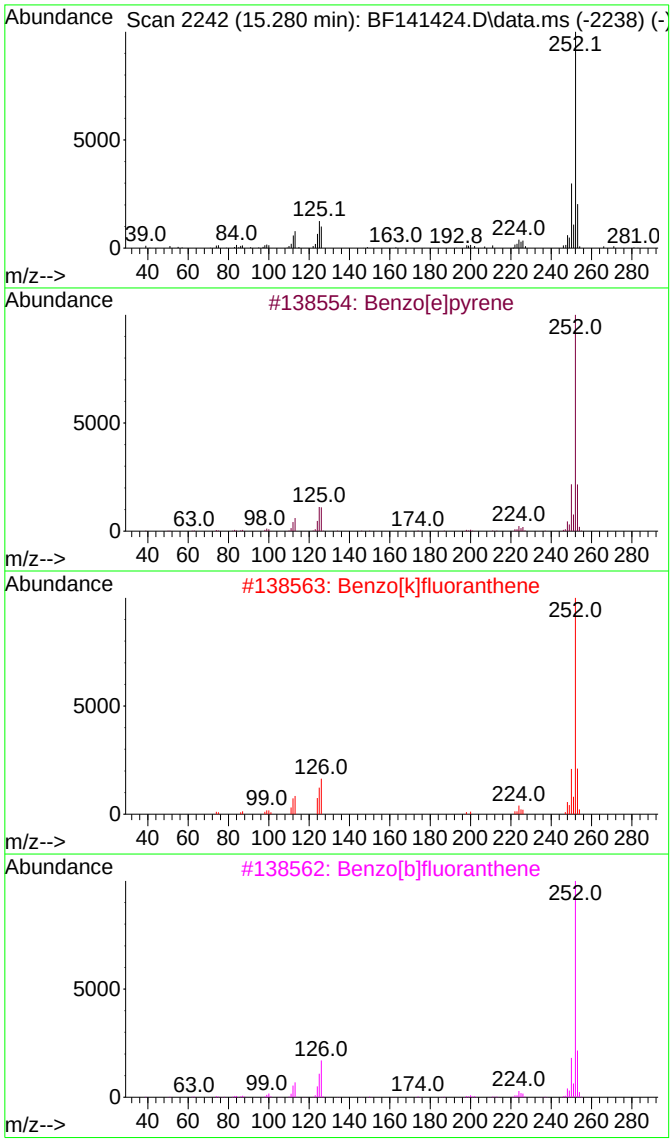
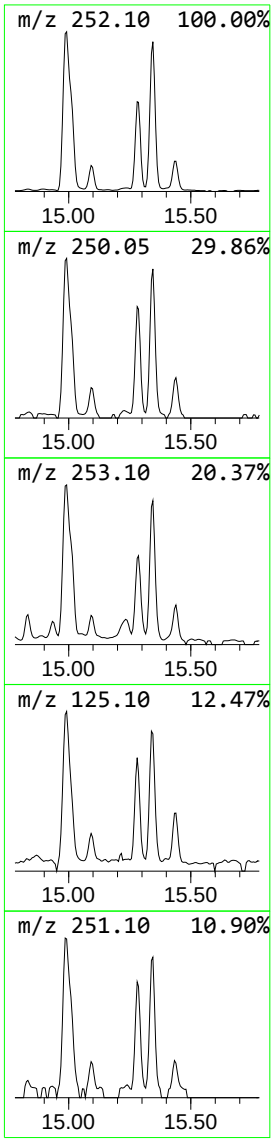
Peak Number 10 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.280	2.48 ng	69611	Perylene-d12	15.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

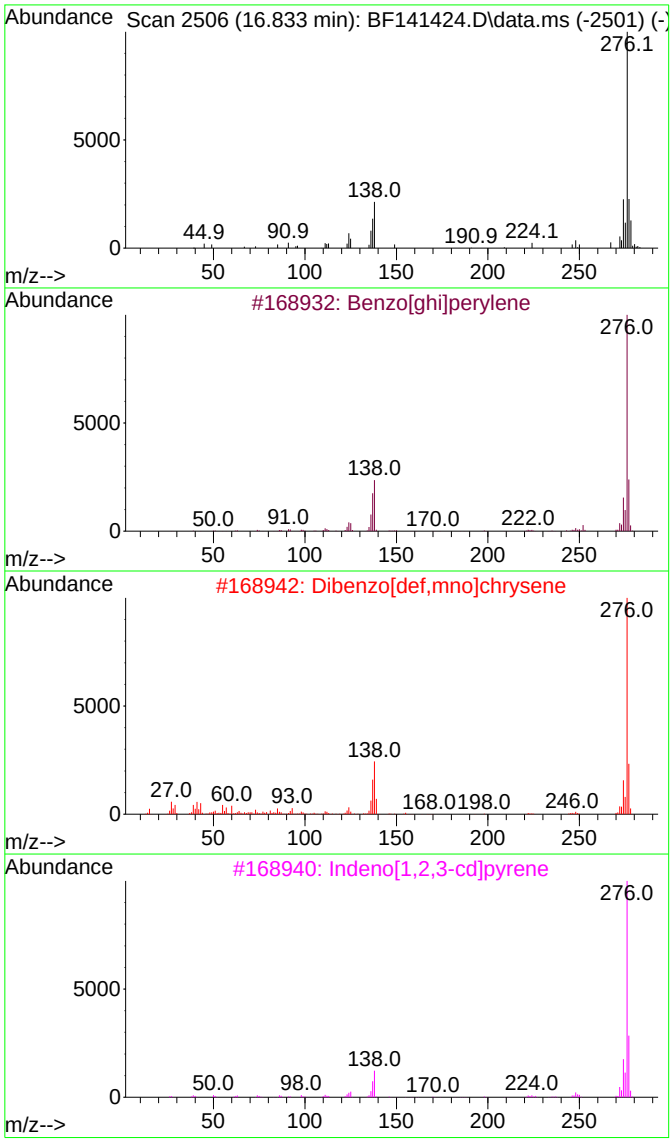
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

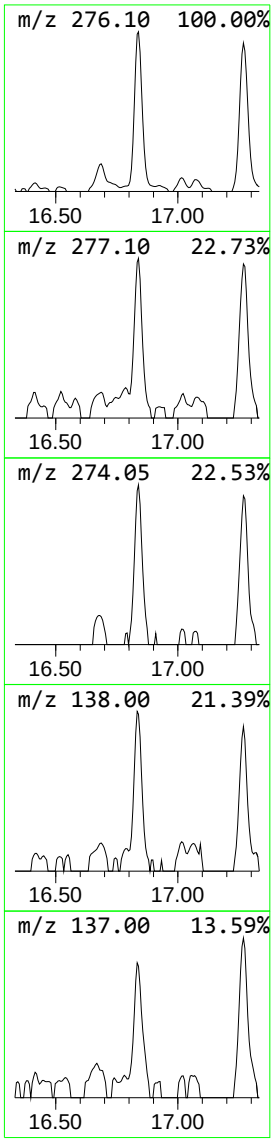
****

Peak Number 11 Dibenzo[def,mno]chrysene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.833	2.26 ng	63458	Perylene-d12	15.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	94
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	94
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	91
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	76
5	acetonitrile, 2-(3,4-diphenyl-2(...	276	C17H12N2S	1000397-07-9	50





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Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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
Propane, 1,1-di...	2.128	3.2	ng	69880	1	6.787	433180	20.0
Benzophenone	10.539	5.0	ng	168887	3	9.822	679373	20.0
Phenanthrene, 2...	11.816	3.8	ng	136099	4	11.310	718683	20.0
Phenanthrene, 1...	11.839	4.0	ng	143676	4	11.310	718683	20.0
Benzaldehyde, 3...	11.928	7.8	ng	278648	4	11.310	718683	20.0
Naphthalene, 2-...	12.110	3.5	ng	126138	4	11.310	718683	20.0
9,10-Dimethylan...	12.363	2.2	ng	77765	4	11.310	718683	20.0
unknown12.398	12.398	2.1	ng	75958	4	11.310	718683	20.0
Pyrene, 1-methyl-	13.080	2.4	ng	134129	5	13.951	1108300	20.0
Benzo[e]pyrene	15.280	2.5	ng	69611	6	15.410	561206	20.0
Dibenzo[def,mno...	16.833	2.3	ng	63458	6	15.410	561206	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Quant Time: Feb 01 00:57:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

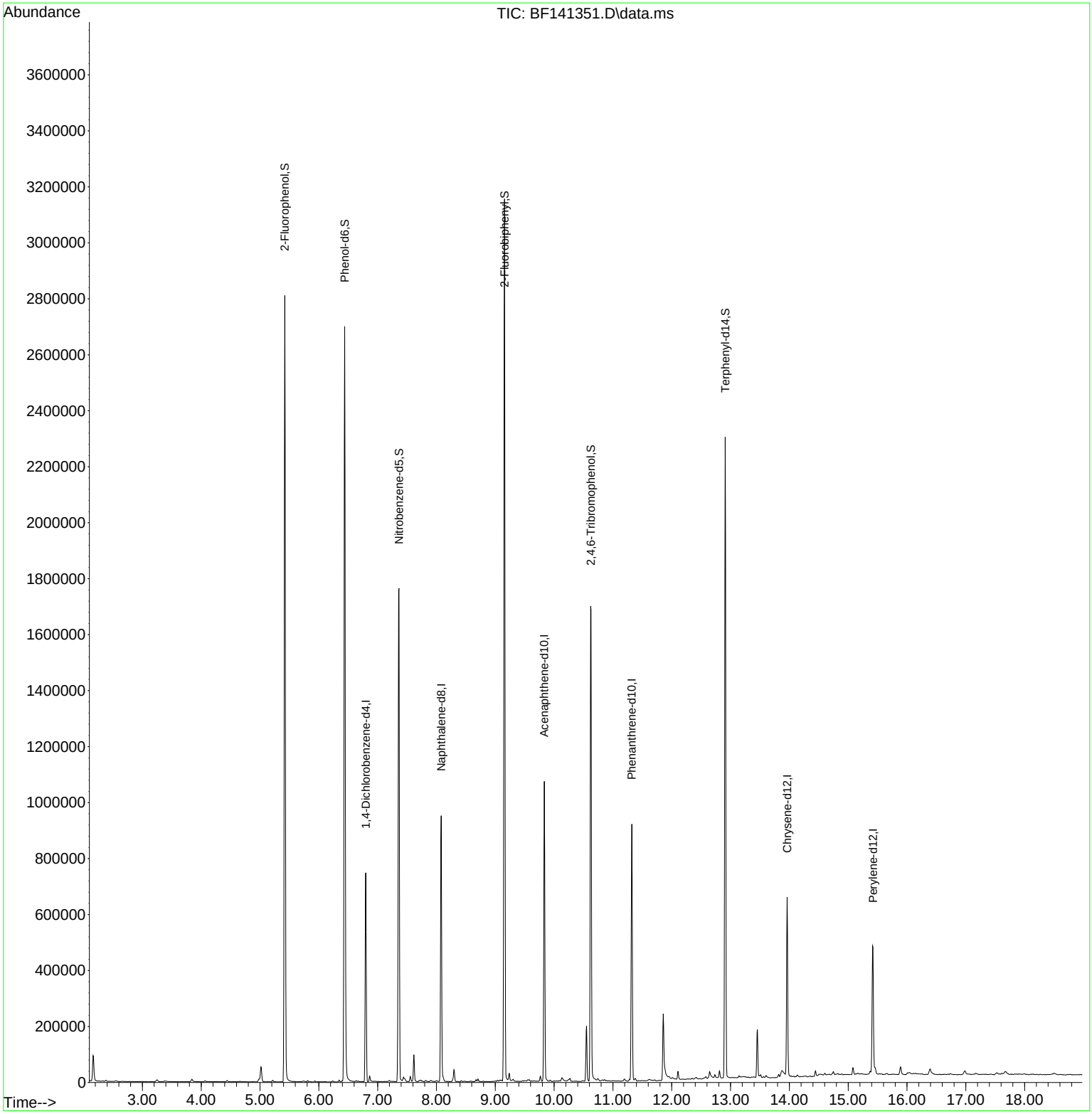
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	147849	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	589893	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	306711	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	457334	20.000	ng	0.00
76) Chrysene-d12	13.962	240	306408	20.000	ng	-0.01
86) Perylene-d12	15.421	264	276735	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	1036855	107.663	ng	0.01
7) Phenol-d6	6.439	99	1275689	104.126	ng	0.00
23) Nitrobenzene-d5	7.363	82	816085	72.930	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	286008	101.716	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1373369	68.921	ng	0.00
79) Terphenyl-d14	12.910	244	1120159	56.379	ng	0.00
Target Compounds						Qvalue

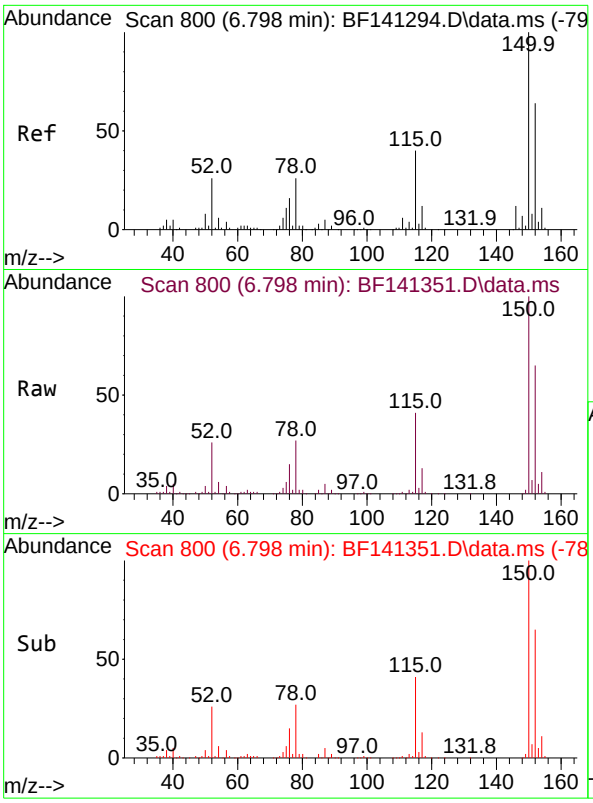
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Quant Time: Feb 01 00:57:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



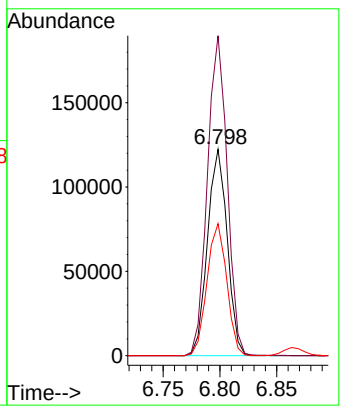


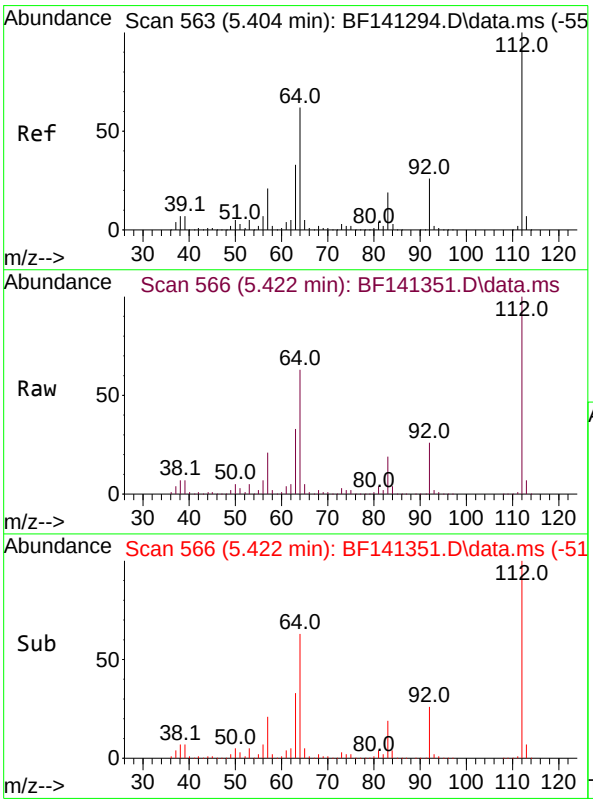
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Tgt Ion:152 Resp: 147849

Ion	Ratio	Lower	Upper
152	100		
150	155.0	125.9	188.9
115	63.9	49.7	74.5

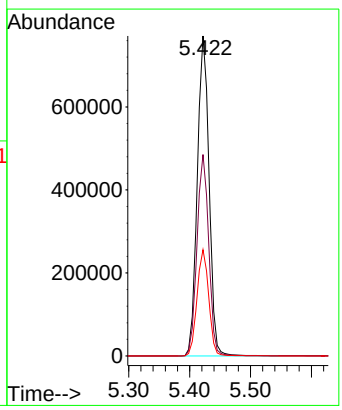


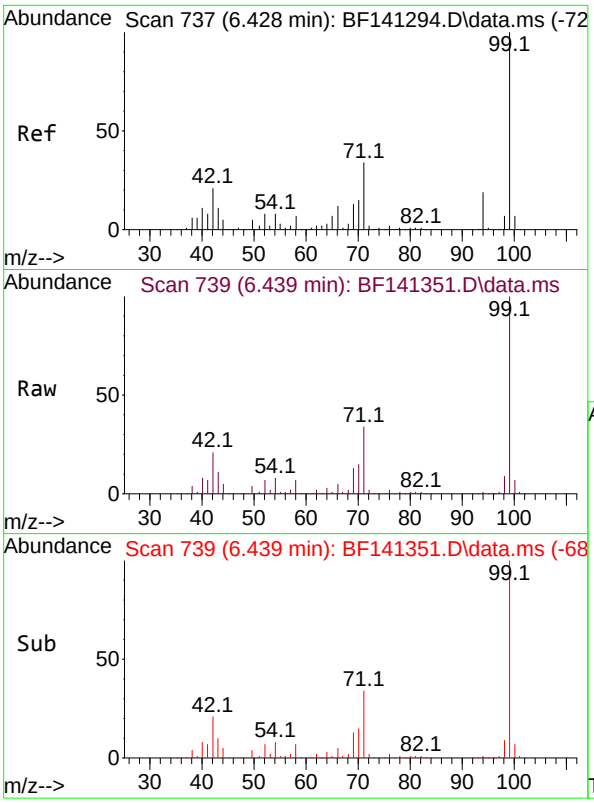


#5
2-Fluorophenol
Concen: 107.663 ng
RT: 5.422 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Tgt Ion:112 Resp: 1036855

Ion	Ratio	Lower	Upper
112	100		
64	63.0	49.8	74.8
63	33.2	26.1	39.1



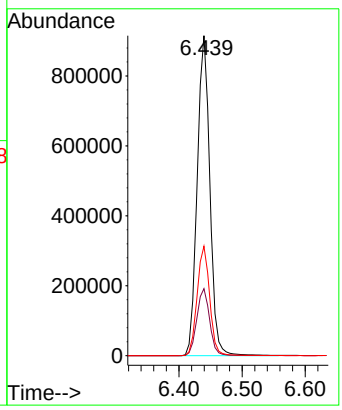


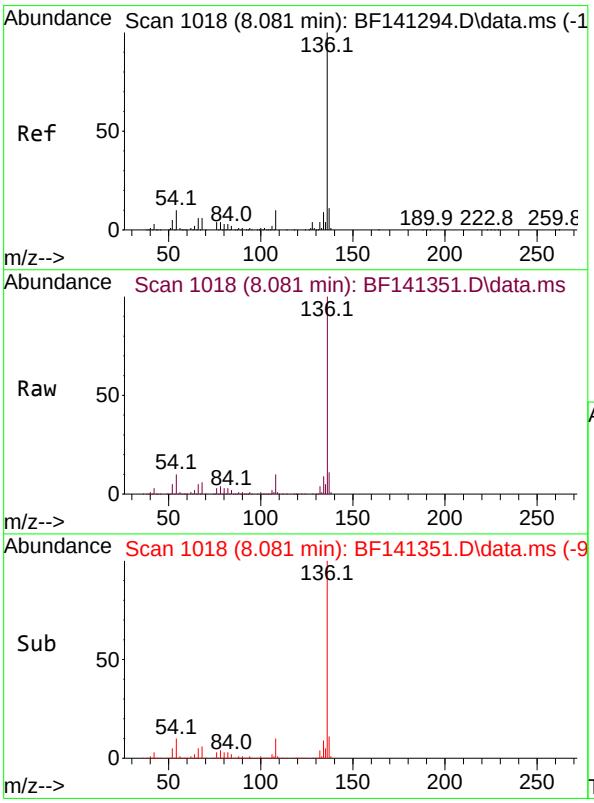
#7
Phenol-d6
Concen: 104.126 ng
RT: 6.439 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Tgt Ion: 99 Resp: 1275689

Ion	Ratio	Lower	Upper
99	100		
42	21.0	17.1	25.7
71	34.2	26.9	40.3

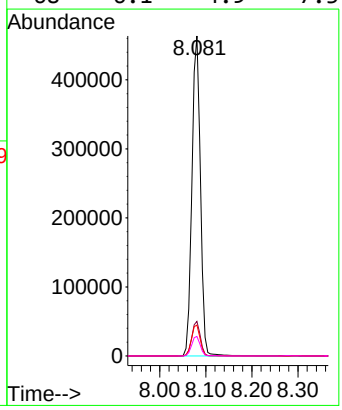


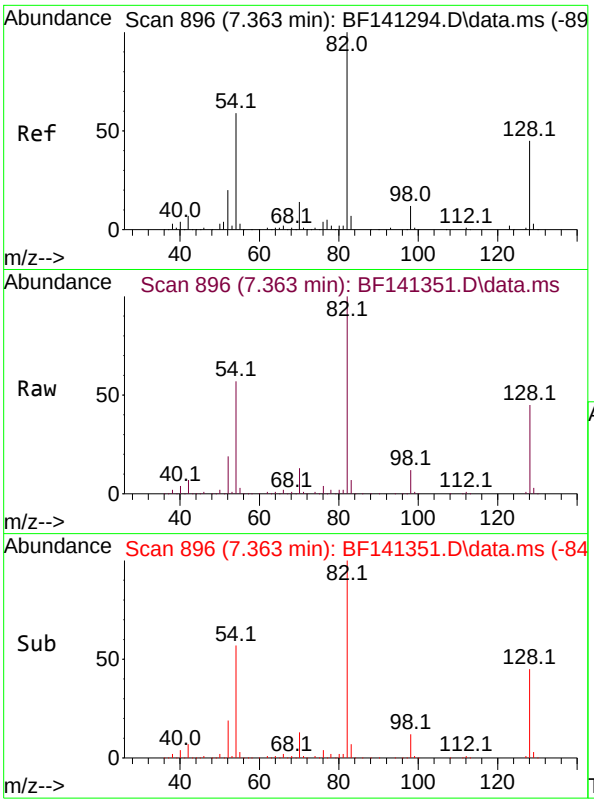


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Tgt Ion:136 Resp: 589893

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.7	7.8	11.8
68	6.1	4.9	7.3



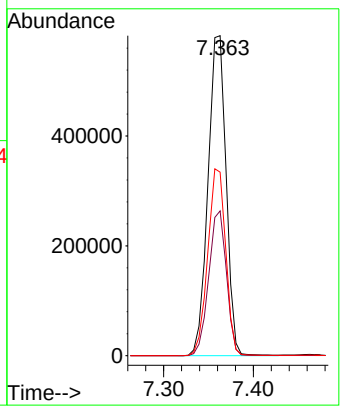


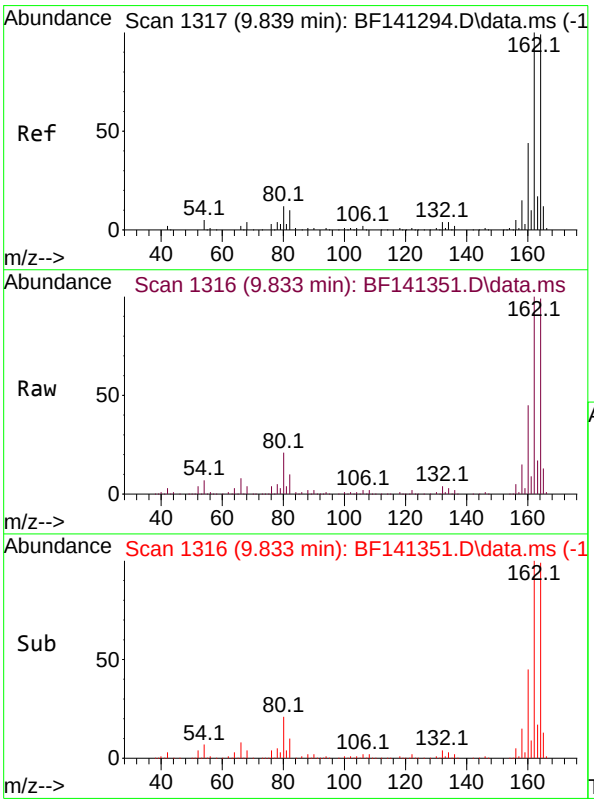
#23
Nitrobenzene-d5
Concen: 72.930 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Tgt Ion: 82 Resp: 816085

Ion	Ratio	Lower	Upper
82	100		
128	45.2	35.7	53.5
54	57.4	47.1	70.7

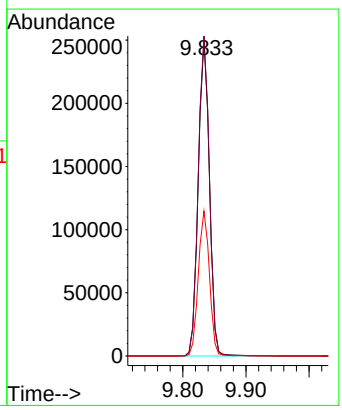


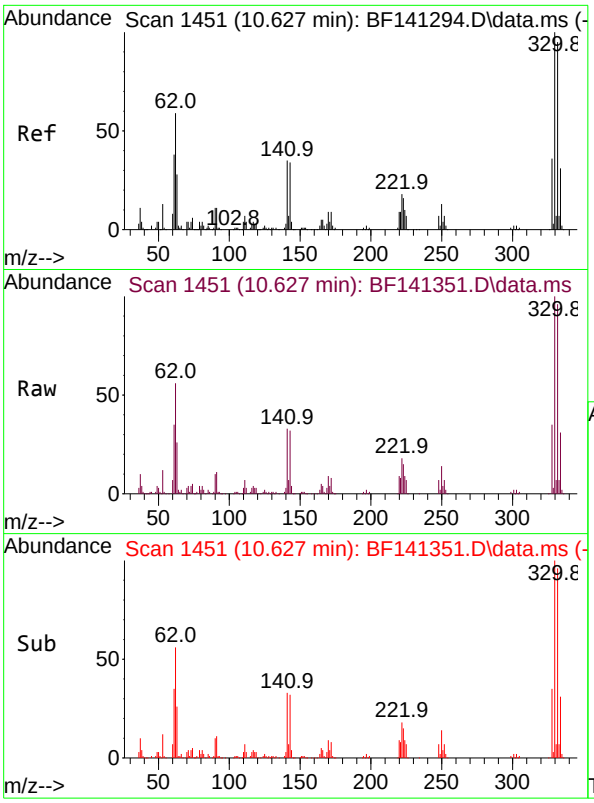


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Tgt Ion:164 Resp: 306711

Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.6	121.0
160	45.9	35.8	53.6



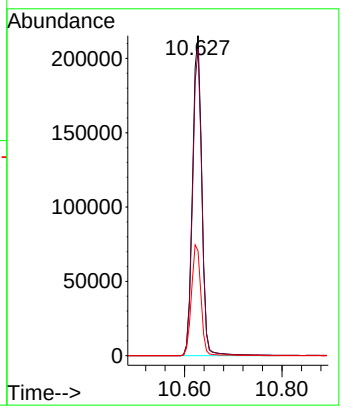


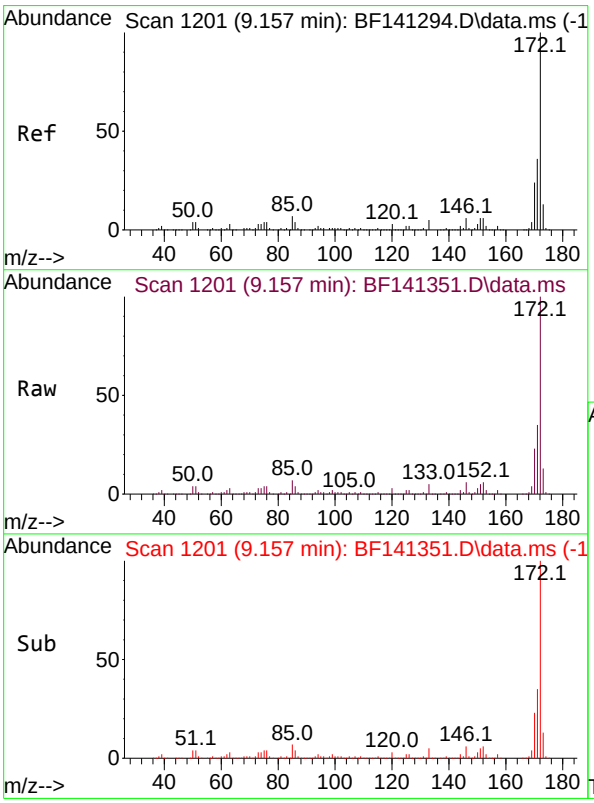
#42
2,4,6-Tribromophenol
Concen: 101.716 ng
RT: 10.627 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Tgt Ion:330 Resp: 286008

Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.1	114.1
141	35.4	28.8	43.2

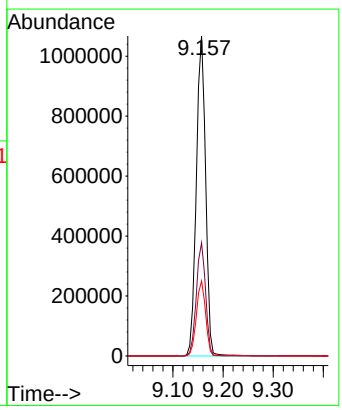


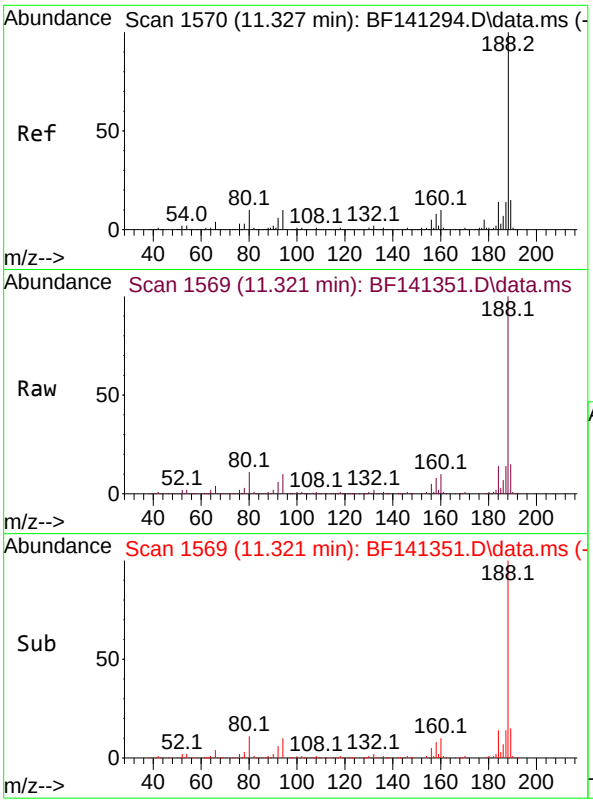


#45
2-Fluorobiphenyl
Concen: 68.921 ng
RT: 9.157 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Tgt Ion:172 Resp: 1373369

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.8	43.2
170	23.4	19.0	28.6



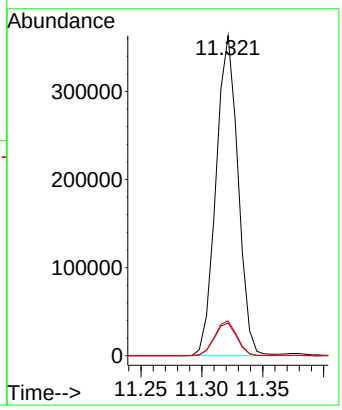


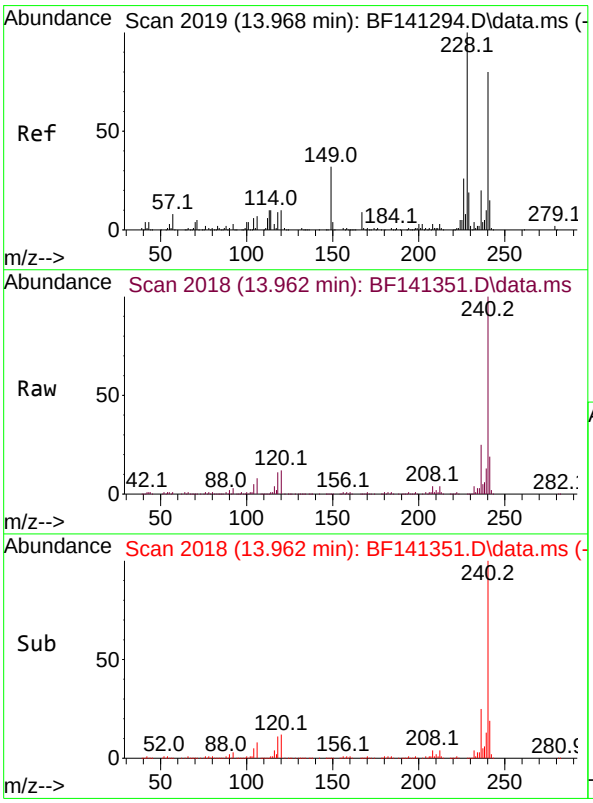
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Tgt Ion:188 Resp: 457334

Ion	Ratio	Lower	Upper
188	100		
94	10.2	7.8	11.6
80	10.9	8.2	12.4

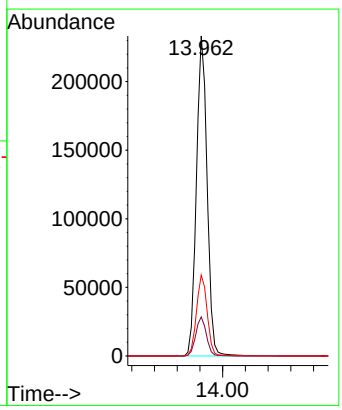


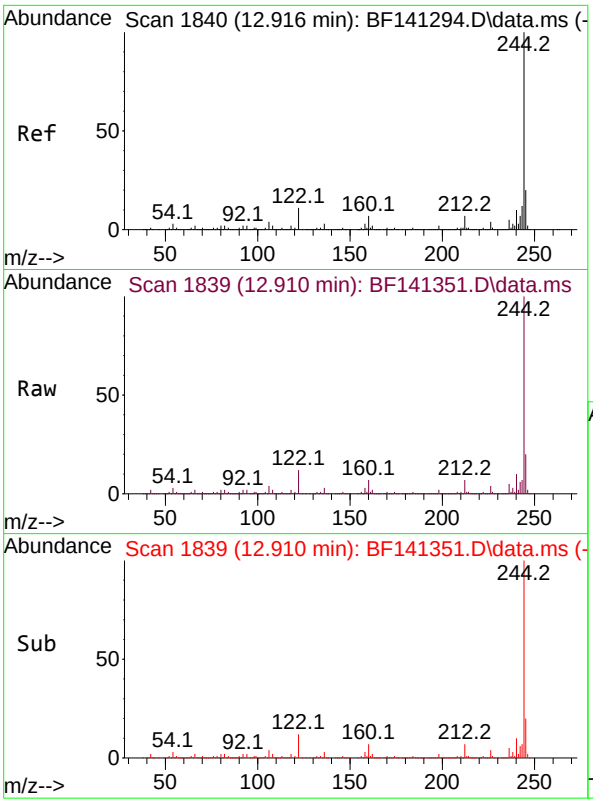


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Tgt Ion:240 Resp: 306408

Ion	Ratio	Lower	Upper
240	100		
120	12.2	10.0	15.0
236	25.3	19.7	29.5



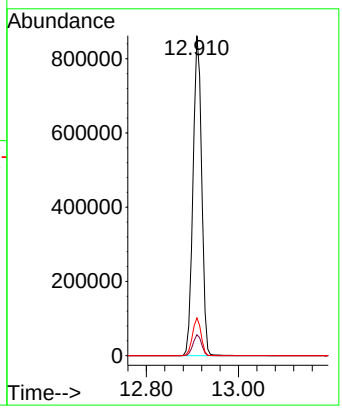


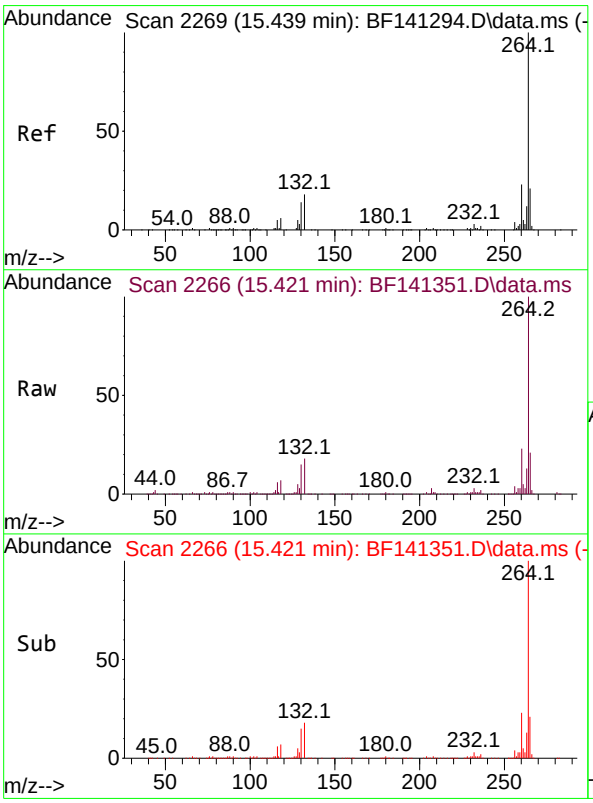
#79
Terphenyl-d14
Concen: 56.379 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Tgt Ion:244 Resp: 1120159

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	11.8	8.8	13.2

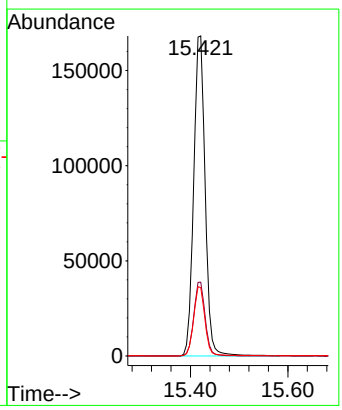




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141351.D
Acq: 01 Feb 2025 00:03

Tgt Ion:264 Resp: 276735

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	27.8
265	21.4	16.7	25.1



Sample Results: **BF141351.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141351.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	6	12	22	rVB	90277	143425	3.57%	0.529%
2	5.016	492	497	506	rVB	52627	88928	2.21%	0.328%
3	5.422	560	566	585	rBV	2809148	3765182	93.67%	13.879%
4	6.439	733	739	763	rVB	2697329	3810815	94.80%	14.048%
5	6.798	795	800	805	rBV	746676	904931	22.51%	3.336%
6	7.363	889	896	901	rBV	1762219	2468309	61.40%	9.099%
7	7.616	933	939	950	rVB	95616	122592	3.05%	0.452%
8	8.081	1012	1018	1035	rVB	949788	1235058	30.72%	4.553%
9	8.298	1045	1055	1062	rBV2	41712	61686	1.53%	0.227%
10	9.157	1195	1201	1206	rBV	3151336	4019772	100.00%	14.818%
11	9.833	1310	1316	1321	rBV	1071180	1317459	32.77%	4.856%
12	10.551	1433	1438	1445	rBV	197371	251038	6.25%	0.925%
13	10.622	1445	1450	1467	rBV	1696614	2351269	58.49%	8.667%
14	11.321	1564	1569	1575	rVB	913718	1143980	28.46%	4.217%
15	11.857	1655	1660	1674	rBV	238040	426342	10.61%	1.572%
16	12.645	1790	1794	1804	rBV2	21519	41337	1.03%	0.152%
17	12.910	1833	1839	1850	rVV	2289014	2961223	73.67%	10.916%
18	13.457	1927	1932	1937	rBV	170157	225935	5.62%	0.833%
19	13.874	1996	2003	2013	rBV6	21184	78960	1.96%	0.291%
20	13.962	2013	2018	2028	rVB	639614	841259	20.93%	3.101%
21	15.415	2260	2265	2283	rVB	458621	777143	19.33%	2.865%
22	15.892	2341	2346	2352	rBV	25849	43885	1.09%	0.162%
23	16.392	2426	2431	2444	rVB2	19167	47499	1.18%	0.175%

Sum of corrected areas: 27128027

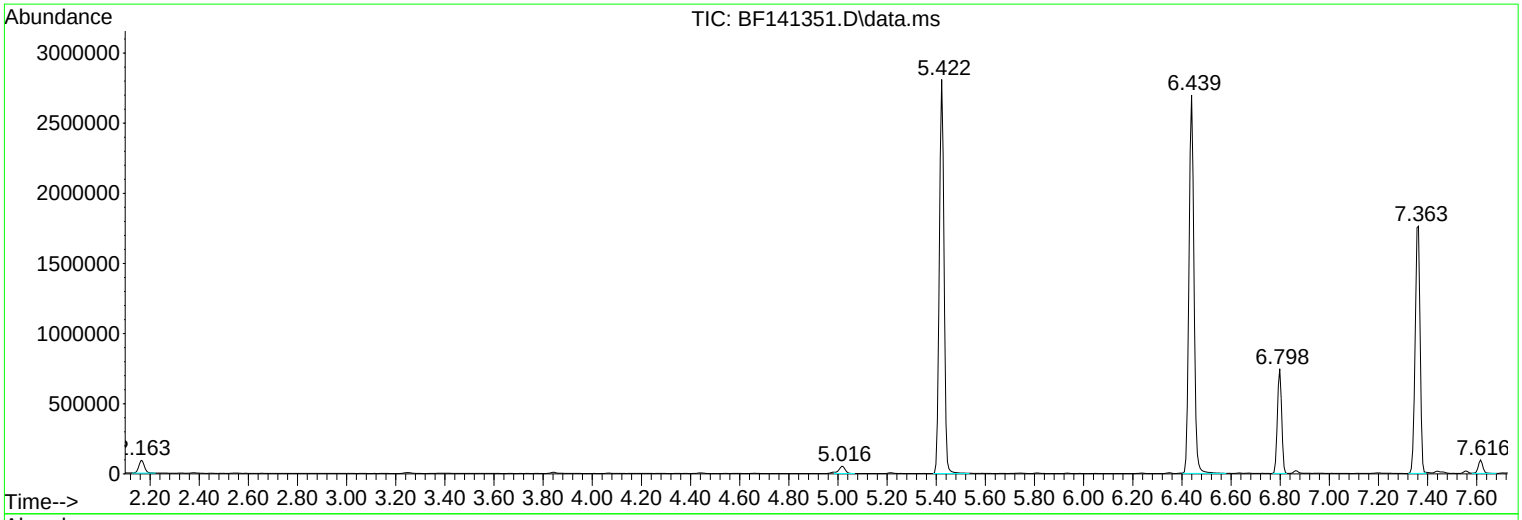
Sample Results: **BF141351.D**

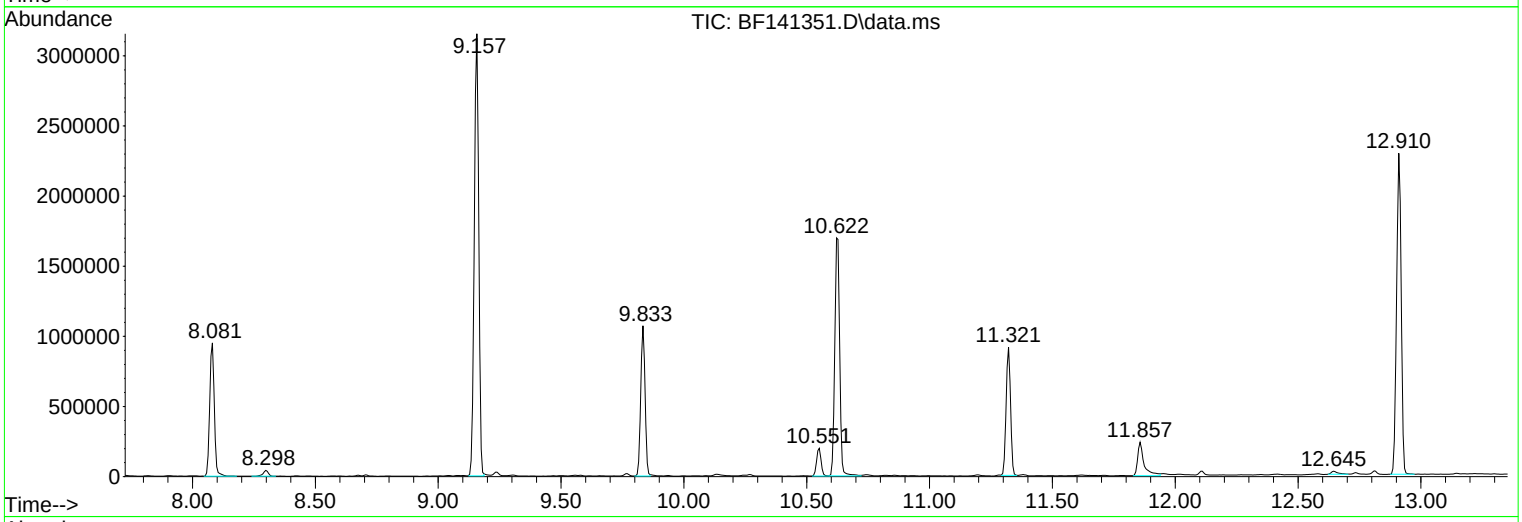
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

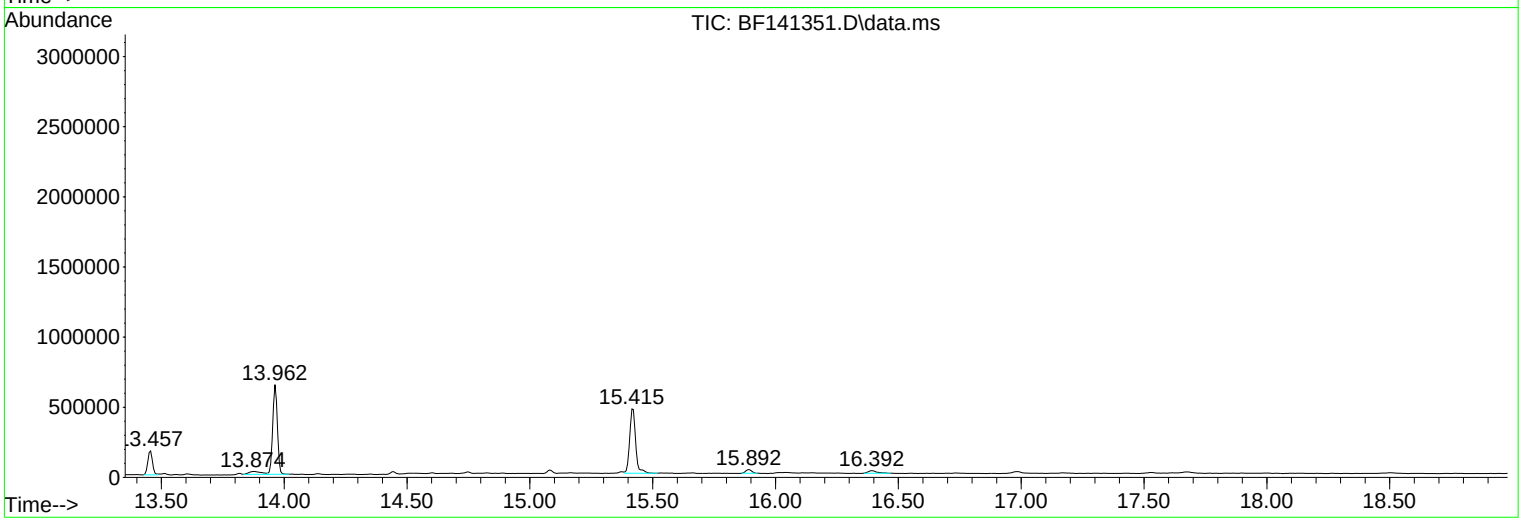
Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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\BF013125\
Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

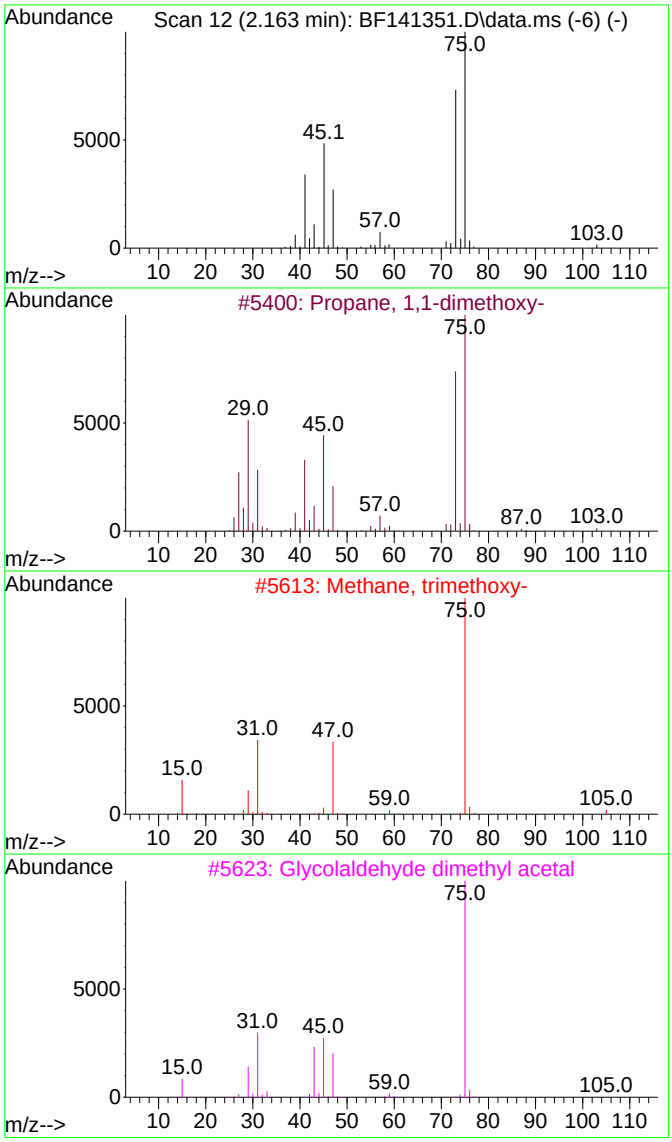
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

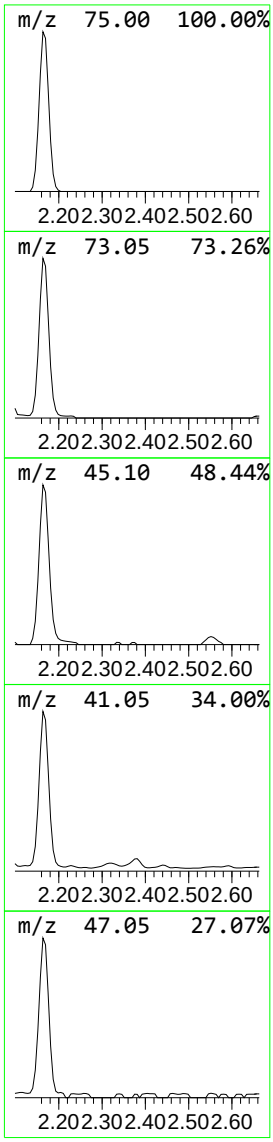
****

Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.163	3.17 ng	143425	1,4-Dichlorobenzene-d4	6.798

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	83
2	Methane, trimethoxy-	106	C4H10O3	000149-73-5	38
3	Glycolaldehyde dimethyl acetal	106	C4H10O3	030934-97-5	36
4	Aminoacetaldehyde dimethyl acetal	105	C4H11NO2	022483-09-6	33
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Sample Results: **BF141351.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

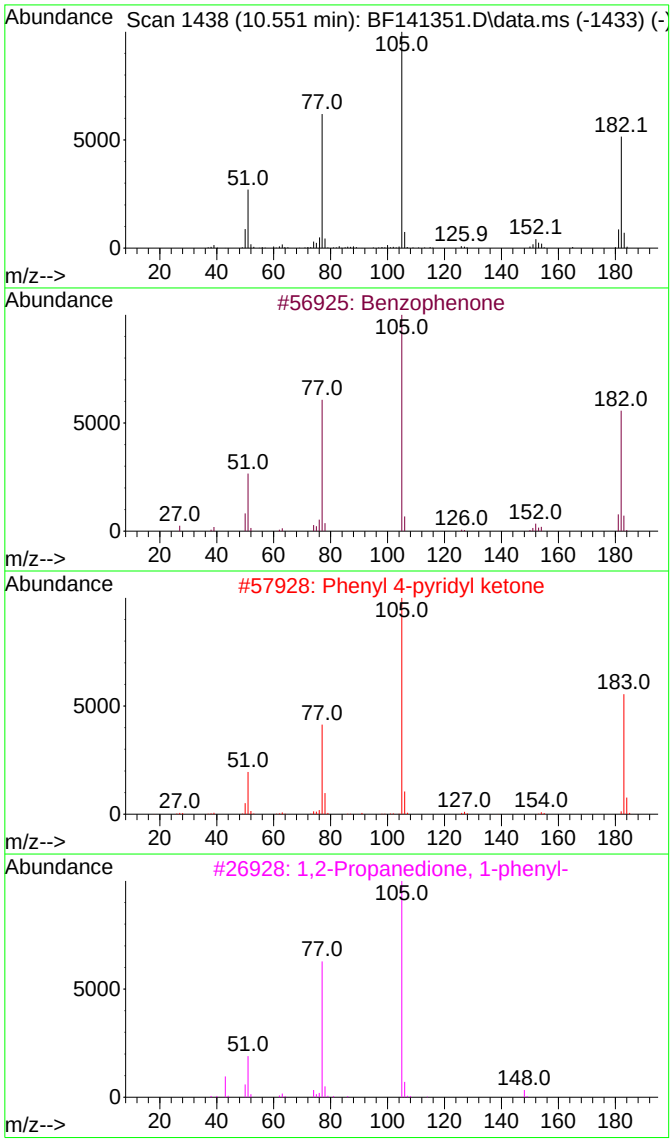
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

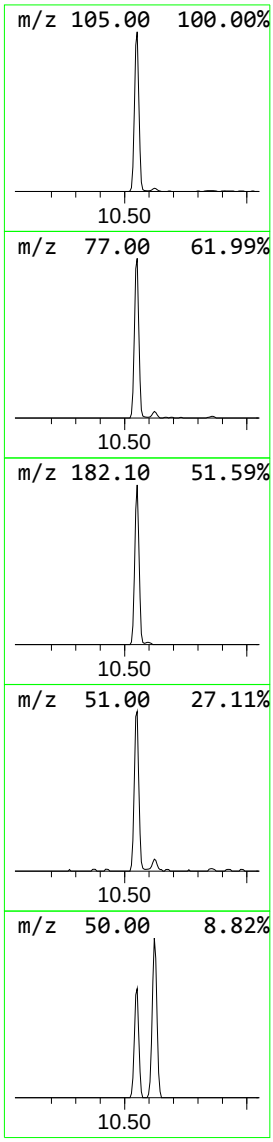
****

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.551	3.81 ng	251038	Acenaphthene-d10	9.833

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	50
3	1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	47
4	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
5	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

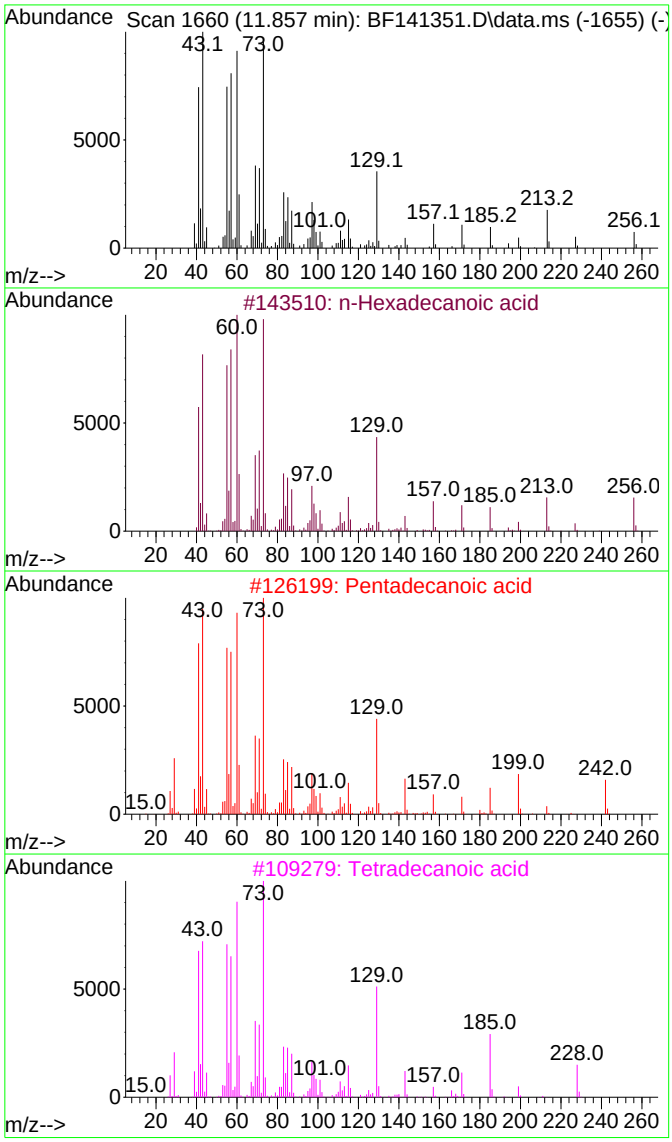
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

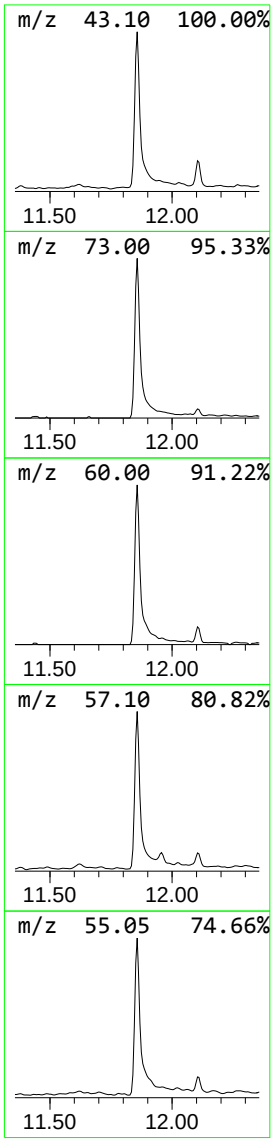
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	7.45 ng	426342	Phenanthrene-d10	11.322

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	90
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
4	Tridecanoic acid	214	C13H26O2	000638-53-9	81
5	Undecanoic acid	186	C11H22O2	000112-37-8	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

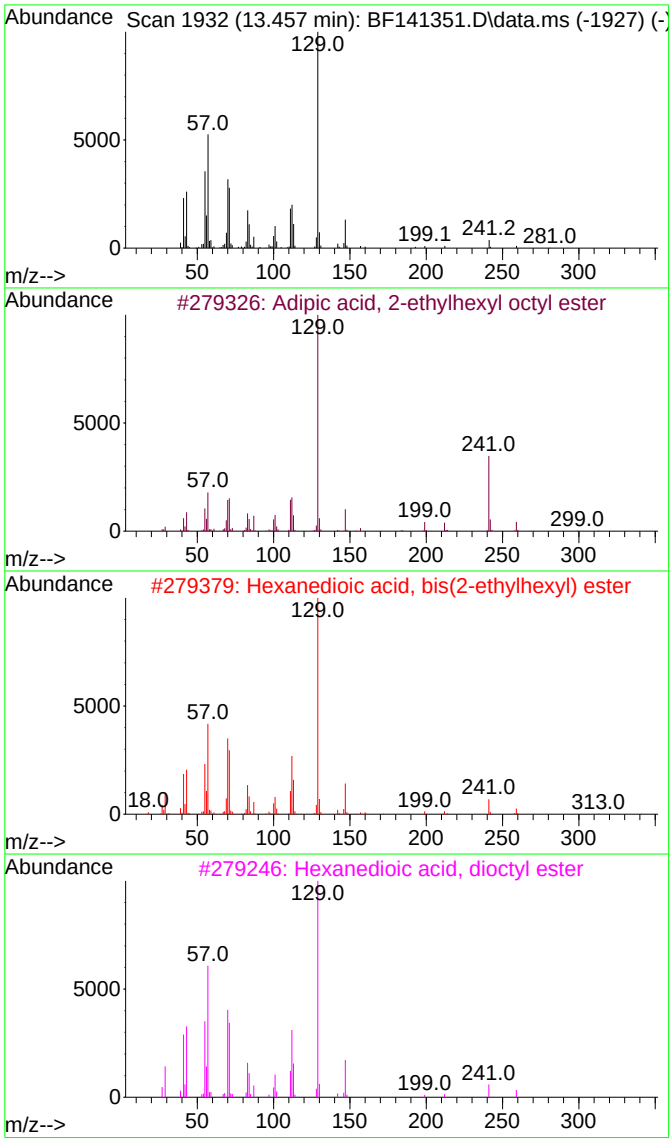
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

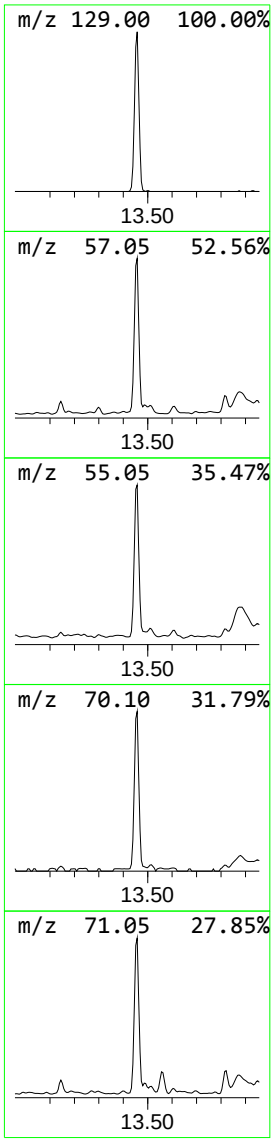
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Adipic acid, 2-ethylhexyl o... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.457	5.37 ng	225935	Chrysene-d12	13.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adipic acid, 2-ethylhexyl octyl ...	370	C22H42O4	1000324-48-6	91
2	Hexanedioic acid, bis(2-ethylhex...	370	C22H42O4	000103-23-1	91
3	Hexanedioic acid, dioctyl ester	370	C22H42O4	000123-79-5	76
4	Hexanedioic acid, mono(2-ethylhe...	258	C14H26O4	004337-65-9	68
5	Adipic acid, 2-ethylhexyl isobut...	314	C18H34O4	1010324-48-0	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141351.D
Acq On : 01 Feb 2025 00:03
Operator : RC/JU
Sample : Q1194-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-113-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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
Propane, 1,1-di...	2.163	3.2	ng	143425	1	6.798	904931	20.0
Benzophenone	10.551	3.8	ng	251038	3	9.833	1317460	20.0
n-Hexadecanoic ...	11.857	7.5	ng	426342	4	11.322	1143980	20.0
Adipic acid, 2-...	13.457	5.4	ng	225935	5	13.963	841259	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

Quant Time: Feb 03 14:36:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

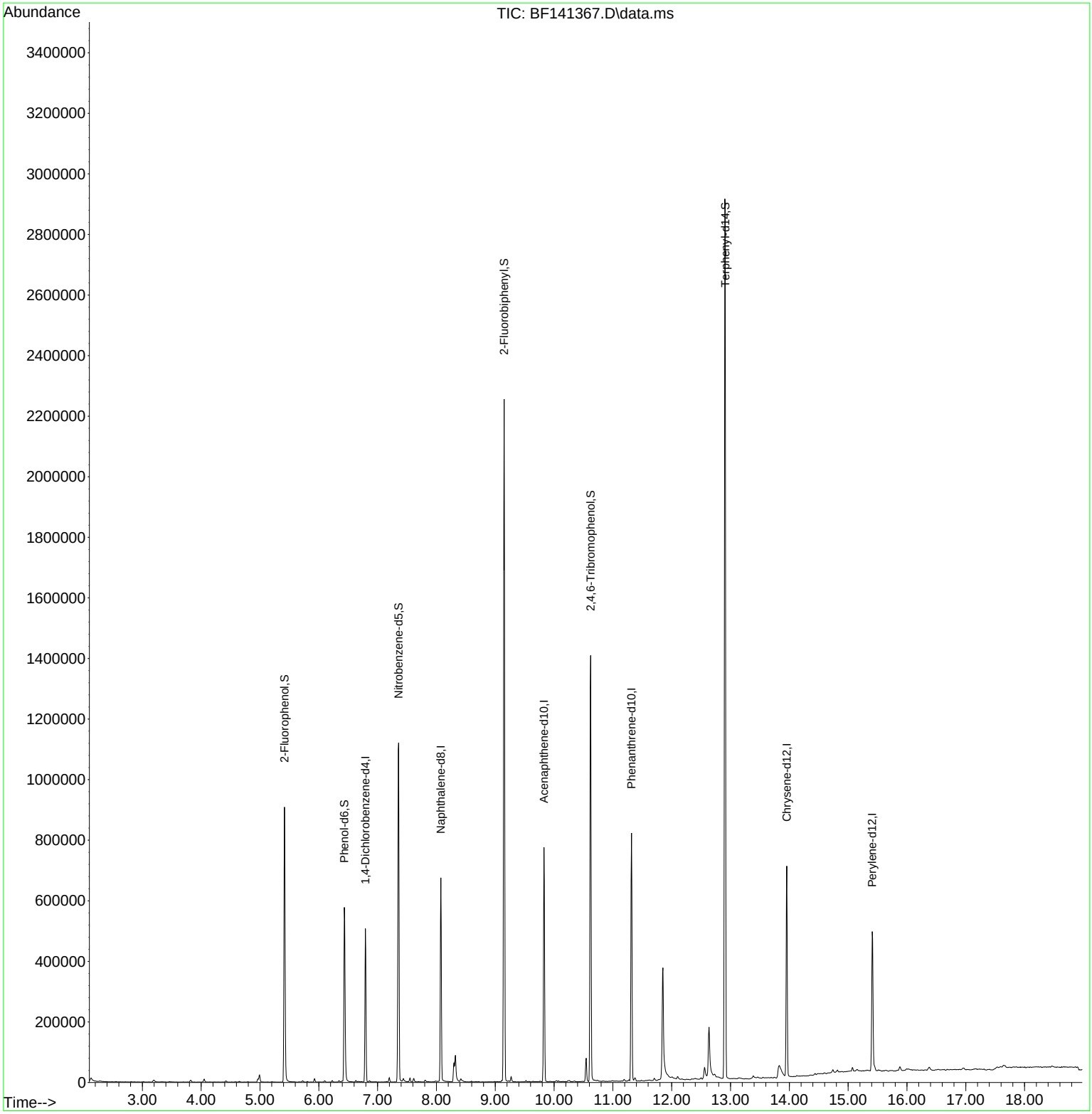
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	101266	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	409757	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	228085	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	407498	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	332056	20.000	ng	-0.02
86) Perylene-d12	15.410	264	264824	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	336523	51.017	ng	0.00
7) Phenol-d6	6.434	99	279381	33.294	ng	0.00
23) Nitrobenzene-d5	7.357	82	500491	64.390	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	221354	105.860	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	971685	65.572	ng	-0.01
79) Terphenyl-d14	12.910	244	1509500	70.107	ng	0.00
Target Compounds						Qvalue

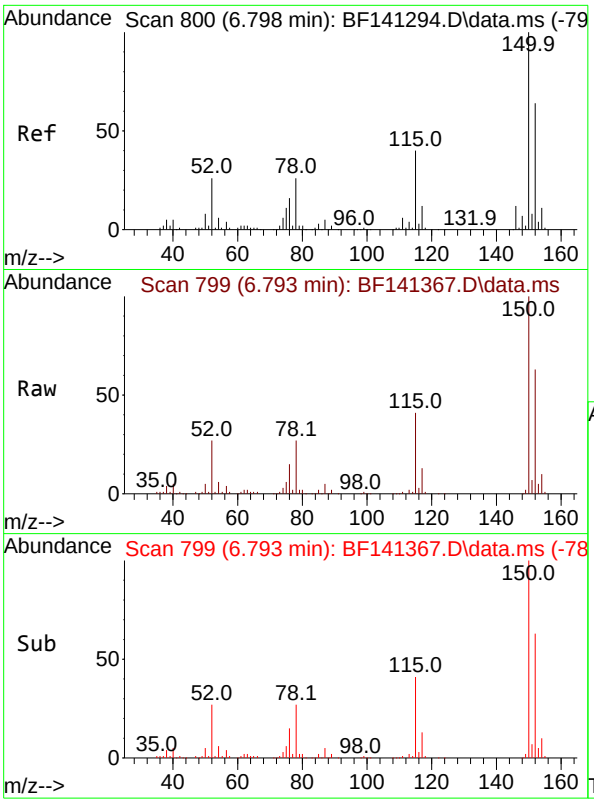
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

Quant Time: Feb 03 14:36:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



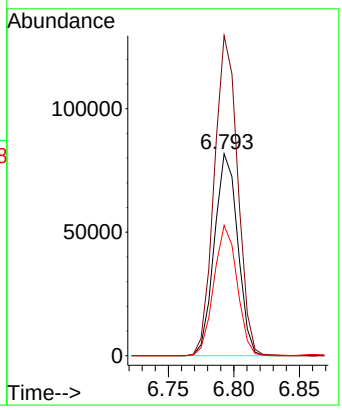


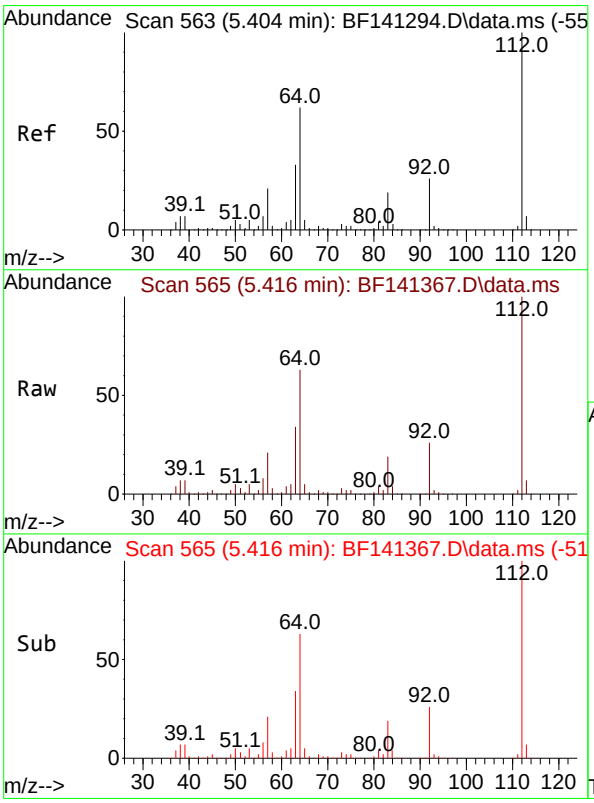
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 7
Delta R.T. -0.011 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Instrument :
BNA_F
ClientSampleId :
EB

Tgt Ion:152 Resp: 101266

Ion	Ratio	Lower	Upper
152	100		
150	158.4	125.9	188.9
115	64.5	49.7	74.5

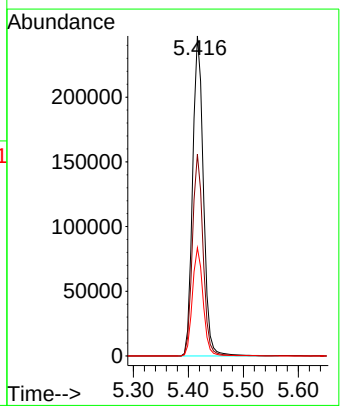


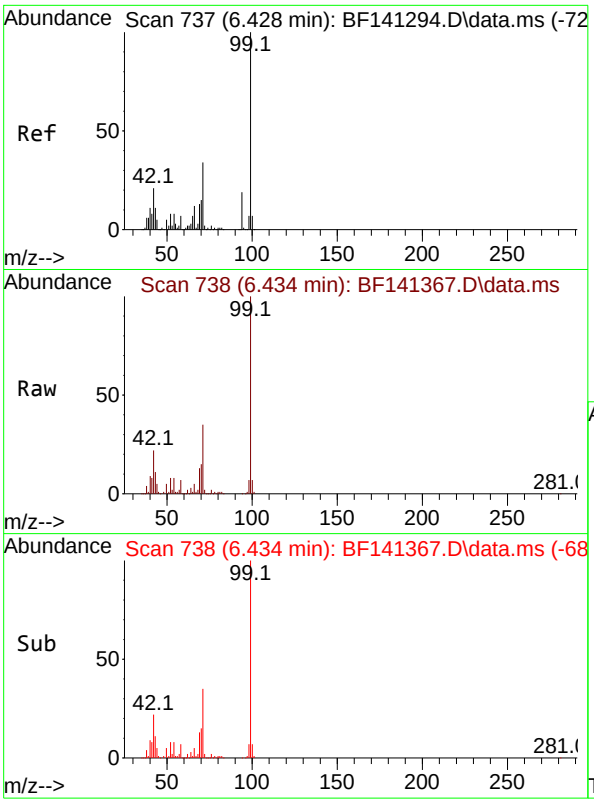


#5
2-Fluorophenol
Concen: 51.017 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Tgt Ion:112 Resp: 336523

Ion	Ratio	Lower	Upper
112	100		
64	63.0	49.8	74.8
63	33.8	26.1	39.1



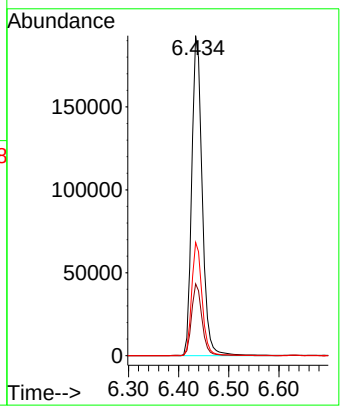


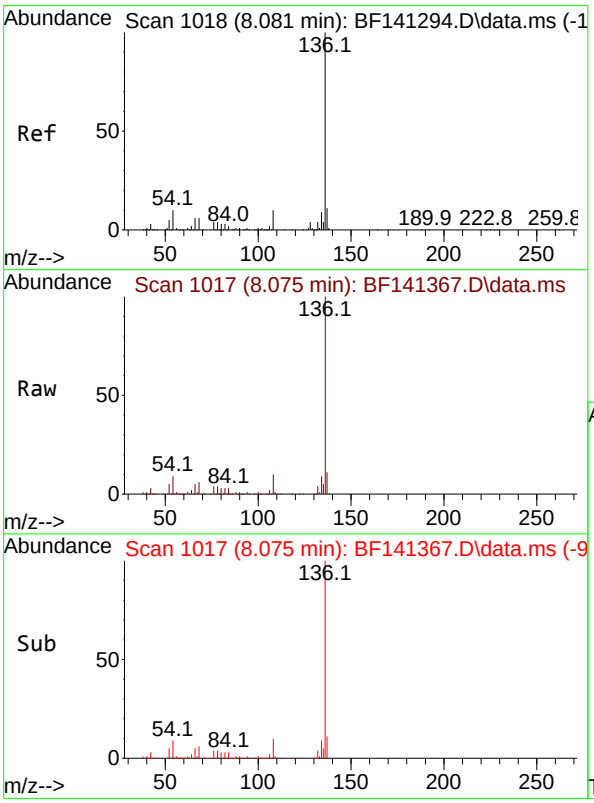
#7
Phenol-d6
Concen: 33.294 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Instrument :
BNA_F
ClientSampleId :
EB

Tgt Ion: 99 Resp: 279381

Ion	Ratio	Lower	Upper
99	100		
42	22.4	17.1	25.7
71	35.4	26.9	40.3

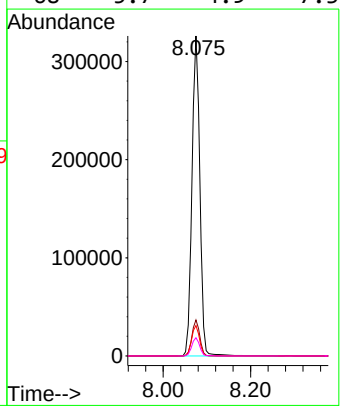


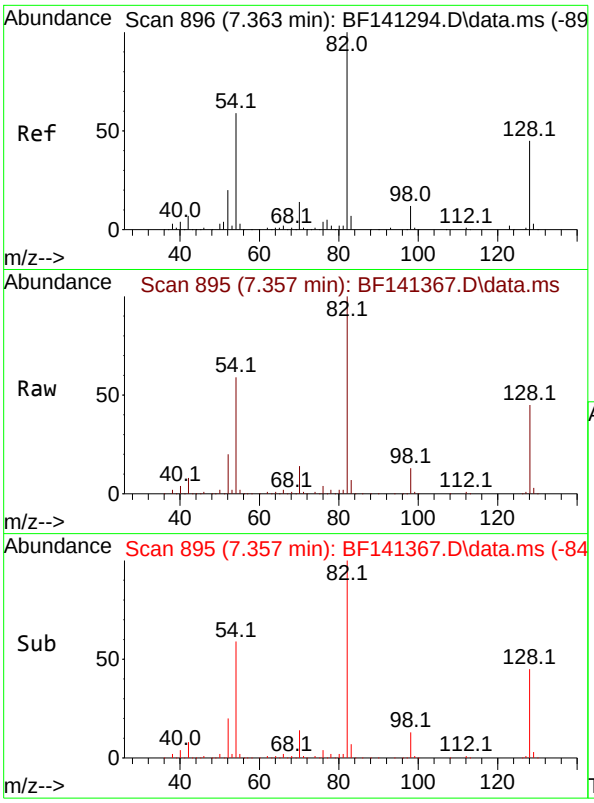


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Tgt Ion:136 Resp: 409757

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	9.5	7.8	11.8
68	5.7	4.9	7.3



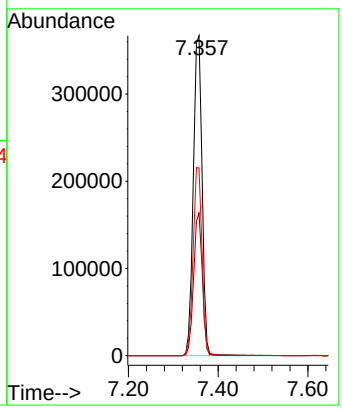


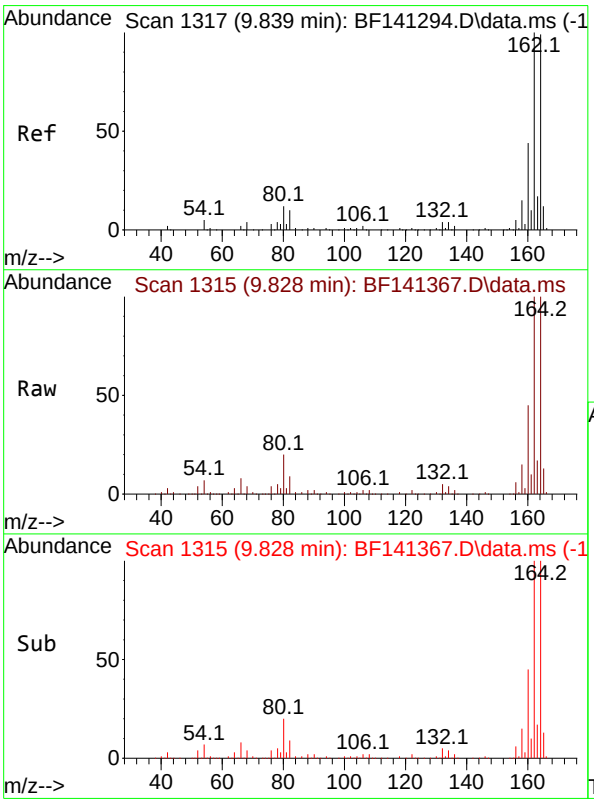
#23
Nitrobenzene-d5
Concen: 64.390 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Instrument :
BNA_F
ClientSampleId :
EB

Tgt Ion: 82 Resp: 500491

Ion	Ratio	Lower	Upper
82	100		
128	44.6	35.7	53.5
54	58.7	47.1	70.7

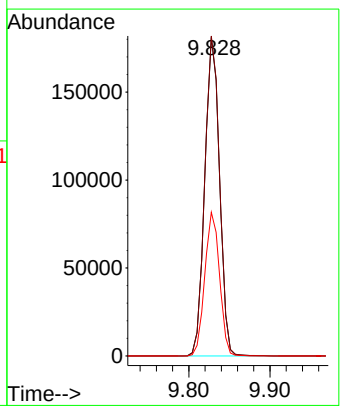


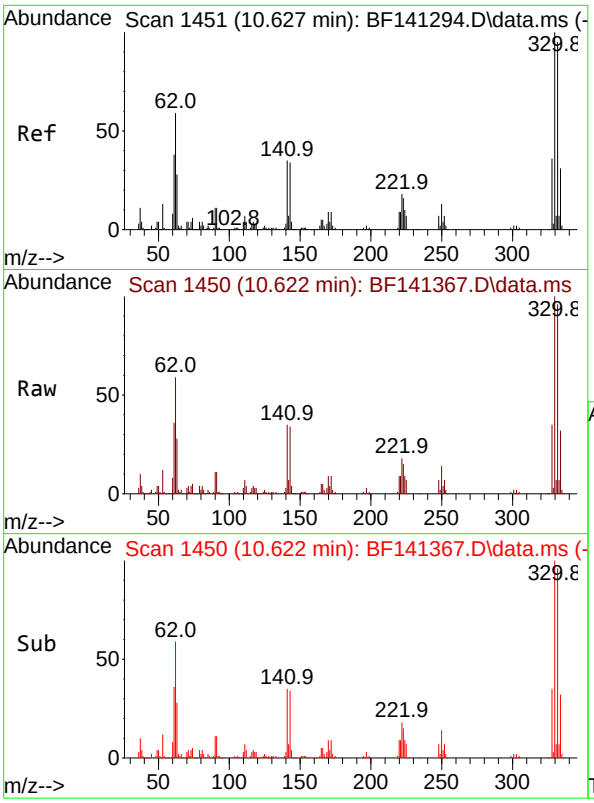


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Tgt Ion:164 Resp: 228085

Ion	Ratio	Lower	Upper
164	100		
162	100.5	80.6	121.0
160	45.1	35.8	53.6



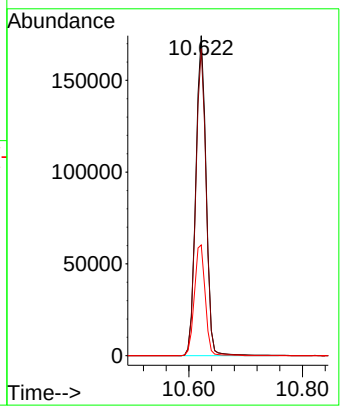


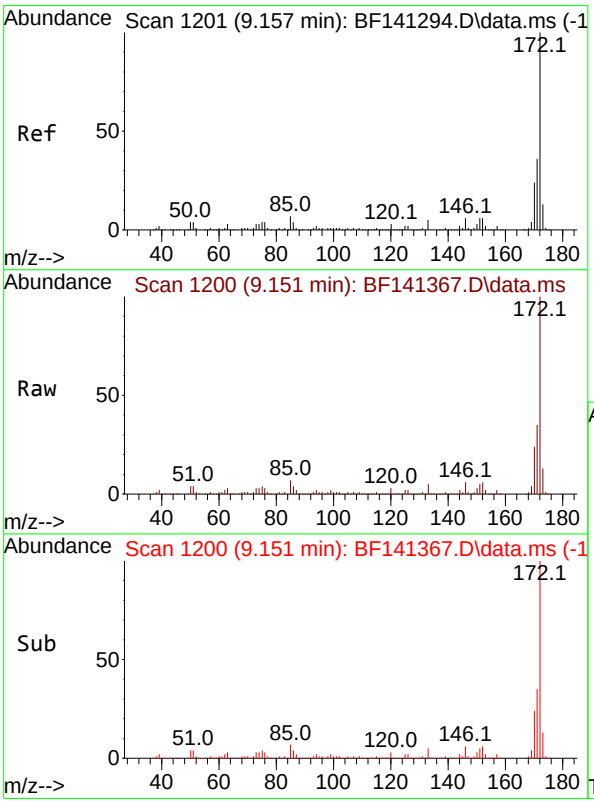
#42
2,4,6-Tribromophenol
Concen: 105.860 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Instrument :
BNA_F
ClientSampleId :
EB

Tgt Ion:330 Resp: 221354

Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.1	114.1
141	36.4	28.8	43.2

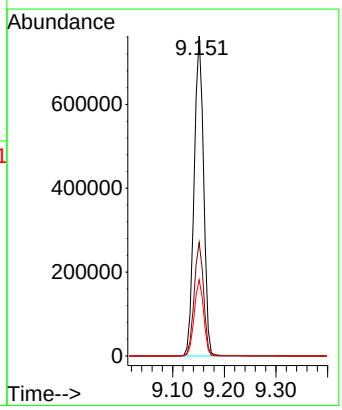


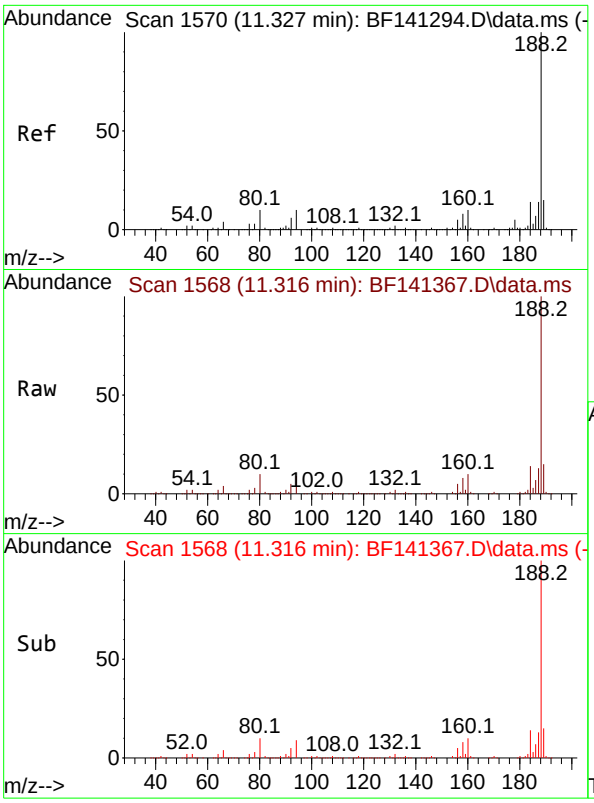


#45
2-Fluorobiphenyl
Concen: 65.572 ng
RT: 9.151 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Tgt Ion:172 Resp: 971685

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.8	43.2
170	23.8	19.0	28.6



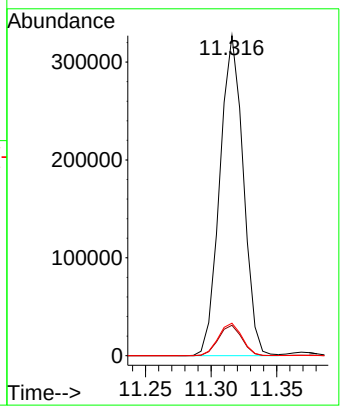


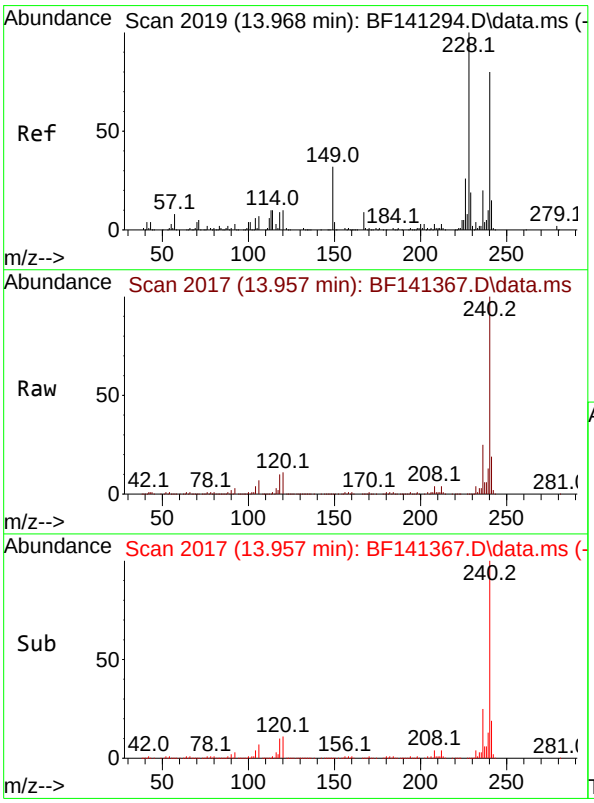
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Instrument :
BNA_F
ClientSampleId :
EB

Tgt Ion:188 Resp: 407498

Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.8	11.6
80	10.2	8.2	12.4

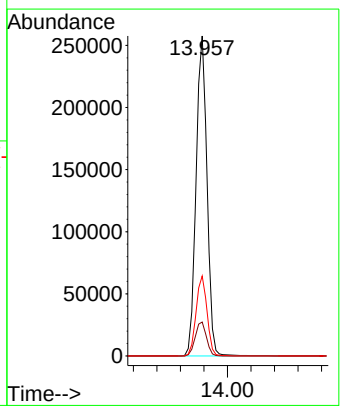


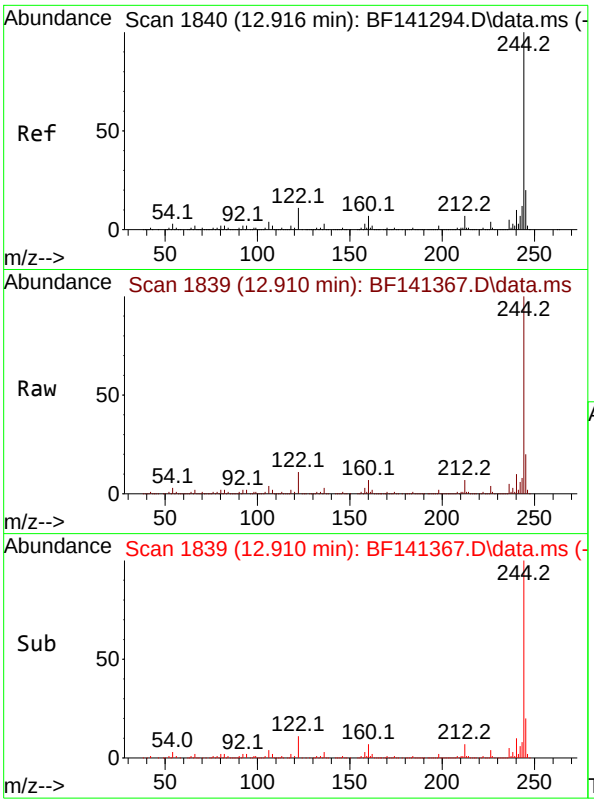


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Tgt Ion:240 Resp: 332056

Ion	Ratio	Lower	Upper
240	100		
120	10.6	10.0	15.0
236	25.0	19.7	29.5



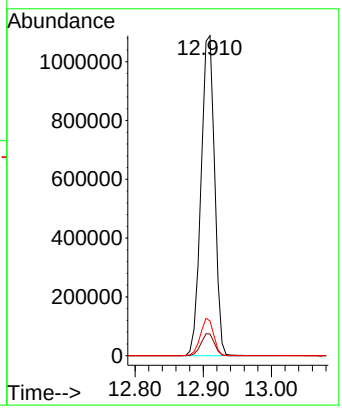


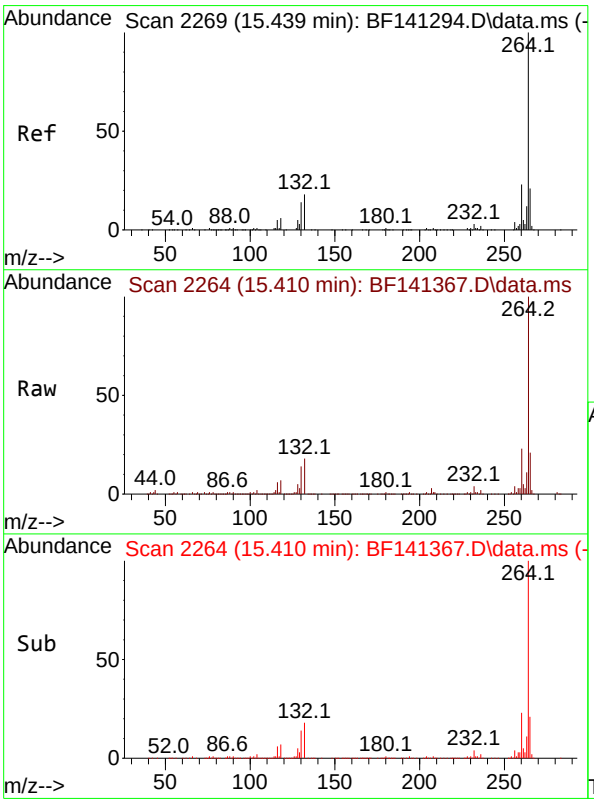
#79
Terphenyl-d14
Concen: 70.107 ng
RT: 12.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Instrument :
BNA_F
ClientSampleId :
EB

Tgt Ion:244 Resp: 1509500

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	10.9	8.8	13.2

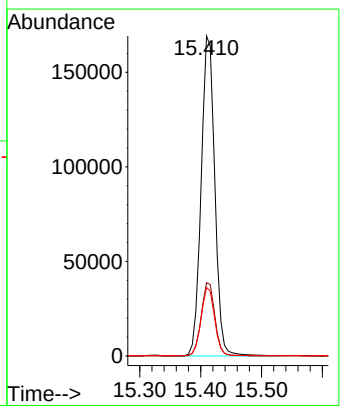




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2264
Delta R.T. -0.029 min
Lab File: BF141367.D
Acq: 03 Feb 2025 14:08

Tgt Ion:264 Resp: 264824

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.6	27.8
265	21.4	16.7	25.1



Sample Results: **BF141367.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141367.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.416	560	565	584	rBV	907502	1224485	30.42%	6.445%
2	6.434	733	738	755	rVB	575640	833454	20.71%	4.387%
3	6.793	794	799	804	rBV	505998	620831	15.42%	3.268%
4	7.357	887	895	900	rBV	1120561	1525801	37.91%	8.031%
5	8.075	1011	1017	1022	rBV	672293	833251	20.70%	4.386%
6	8.298	1050	1055	1056	rBV	61582	74116	1.84%	0.390%
7	8.322	1056	1059	1071	rVB	86665	134149	3.33%	0.706%
8	9.151	1194	1200	1205	rBV	2250337	2838447	70.52%	14.939%
9	9.828	1310	1315	1325	rBV	773827	971382	24.13%	5.113%
10	10.545	1430	1437	1444	rBV	77179	99544	2.47%	0.524%
11	10.622	1444	1450	1460	rBV	1406673	1842046	45.77%	9.695%
12	11.316	1563	1568	1573	rBV	817329	1016972	25.27%	5.353%
13	11.851	1644	1659	1681	rBV2	370692	748088	18.59%	3.937%
14	12.557	1773	1779	1786	rBV	37970	83569	2.08%	0.440%
15	12.633	1786	1792	1805	rVV	162923	311405	7.74%	1.639%
16	12.904	1832	1838	1844	rBV	2903652	4024968	100.00%	21.184%
17	13.827	1988	1995	2011	rBV2	40295	173686	4.32%	0.914%
18	13.957	2011	2017	2029	rVB	695648	910318	22.62%	4.791%
19	15.410	2258	2264	2276	rBV	460069	733334	18.22%	3.860%

Sum of corrected areas: 18999846

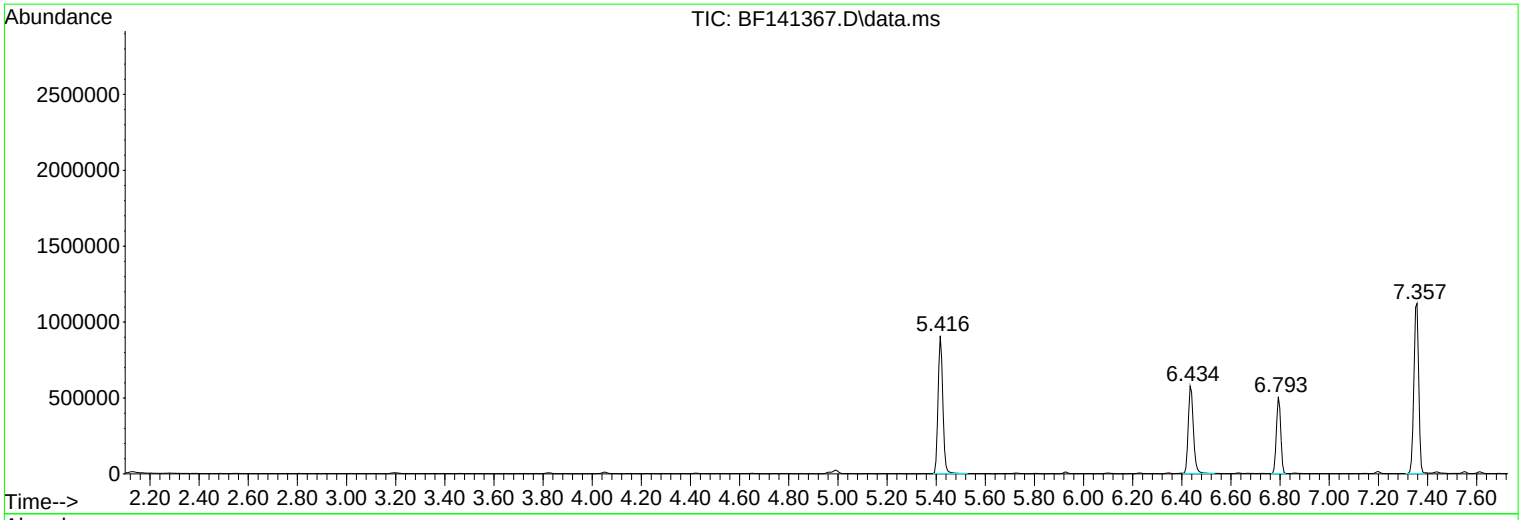
Sample Results: **BF141367.D**

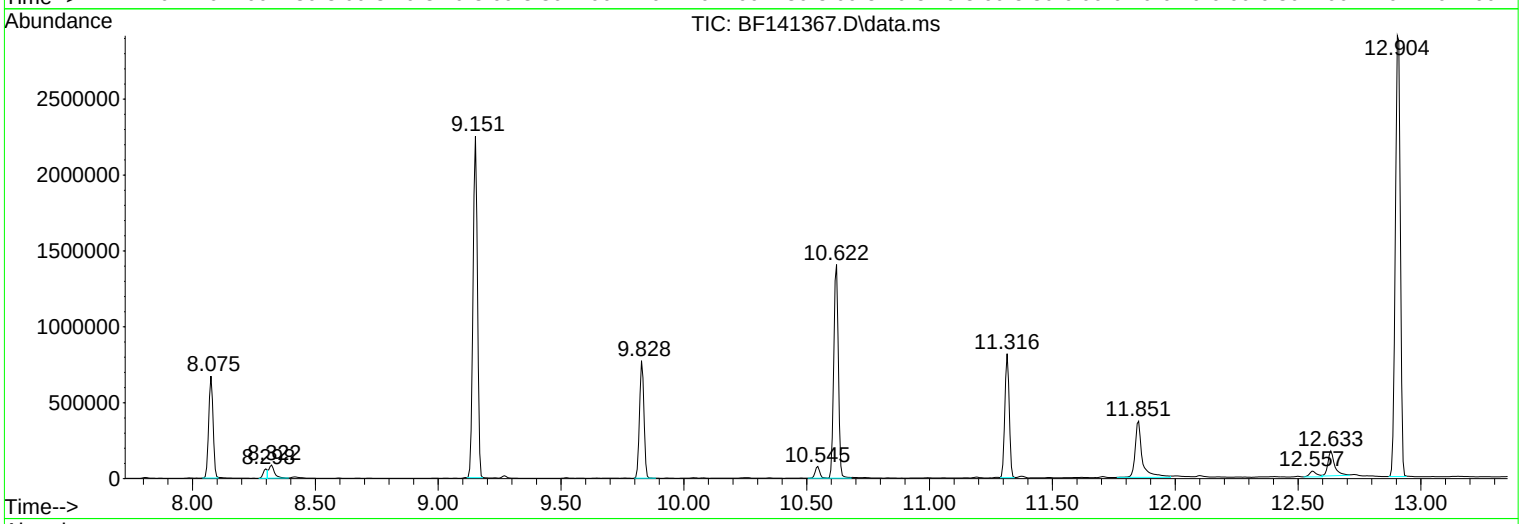
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

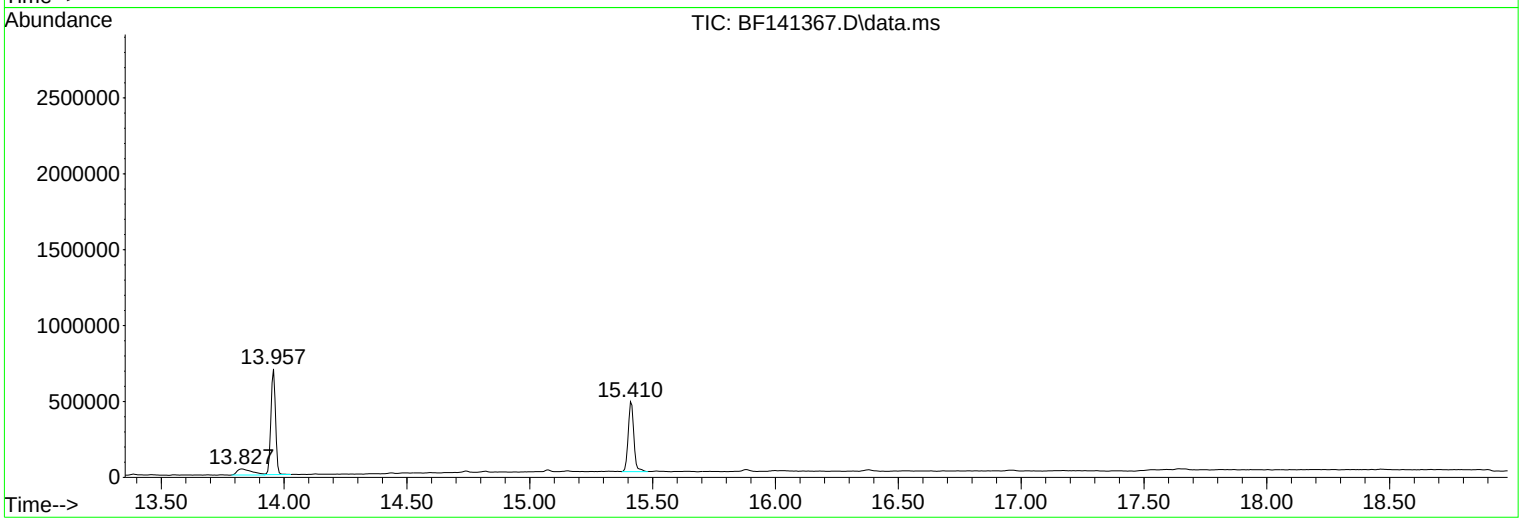
Instrument :
BNA_F
ClientSampleId :
EB

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

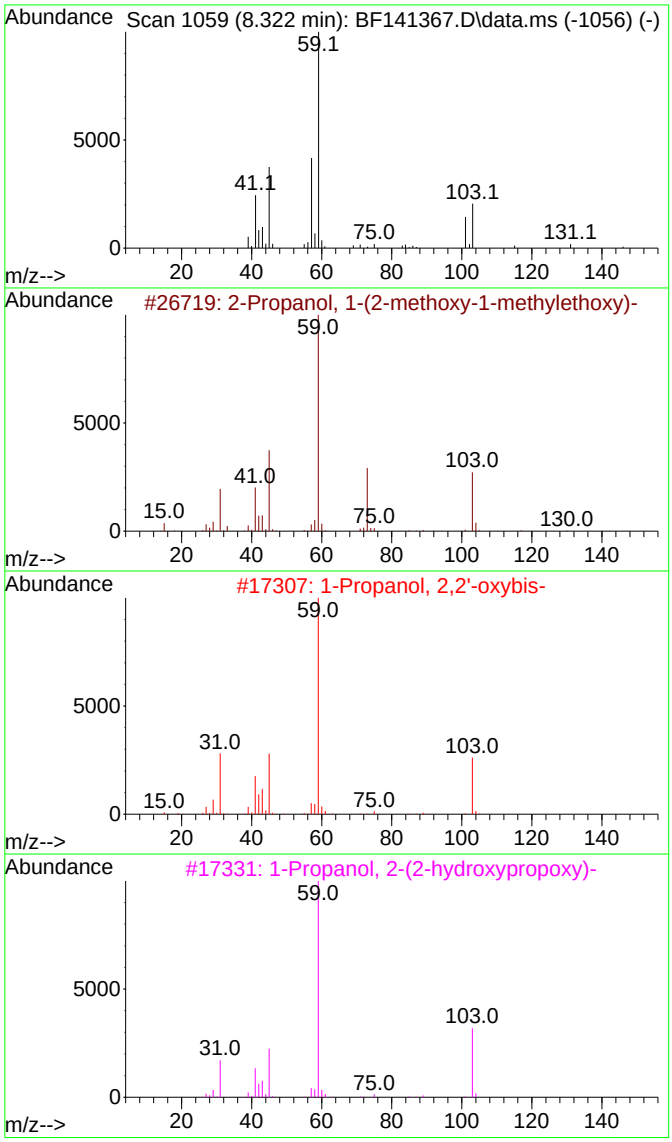
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

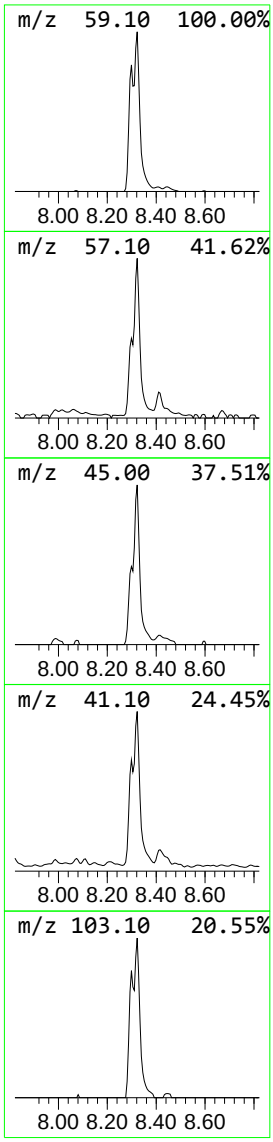
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Propanol, 1-(2-methoxy-1-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.322	3.22 ng	134149	Naphthalene-d8	8.075

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxy-1-methy...	148	C7H16O3	020324-32-7	64
2	1-Propanol, 2,2'-oxybis-	134	C6H14O3	000108-61-2	50
3	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	50
4	Butanamide, 3,3-dimethyl-	115	C6H13NO	000926-04-5	47
5	Dipropylene glycol (isomer 2)	134	C6H14O3	1000506-25-4	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

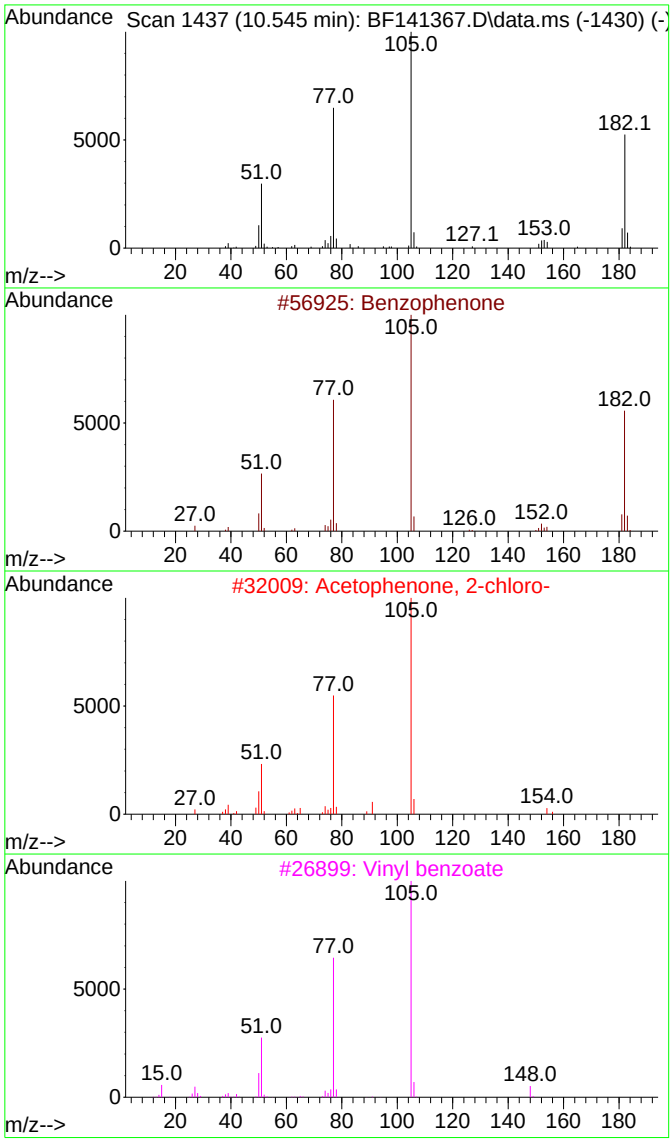
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

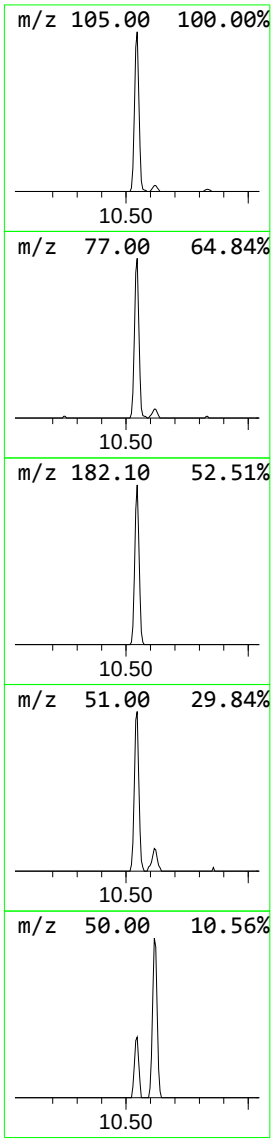
****

Peak Number 2 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.545	2.05 ng	99544	Acenaphthene-d10	9.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	46
3	Vinyl benzoate	148	C9H8O2	000769-78-8	43
4	5-Oxo-5-phenylpentanenitrile	173	C11H11NO	1000486-83-7	43
5	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	43





Sample Results: **BF141367.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

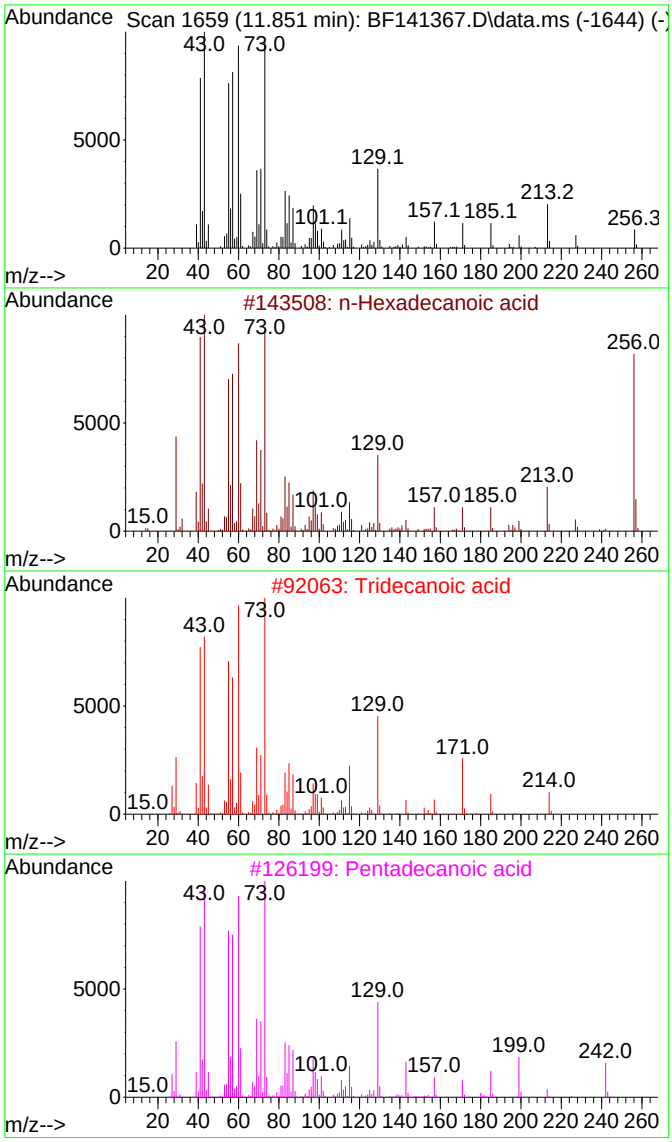
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

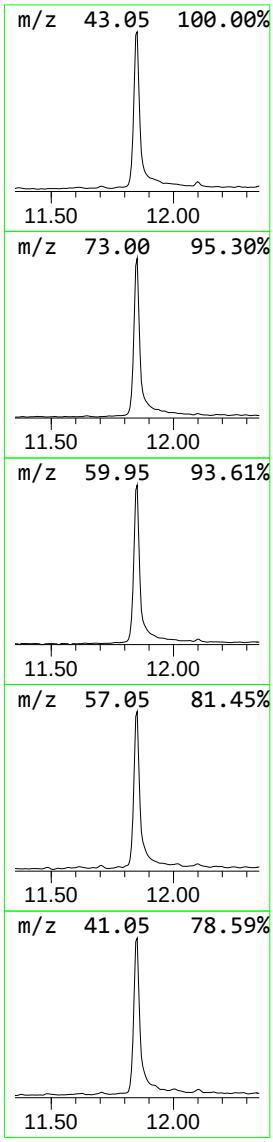
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.851	14.71 ng	748088	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	89
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	68
5	n-Decanoic acid	172	C10H20O2	000334-48-5	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

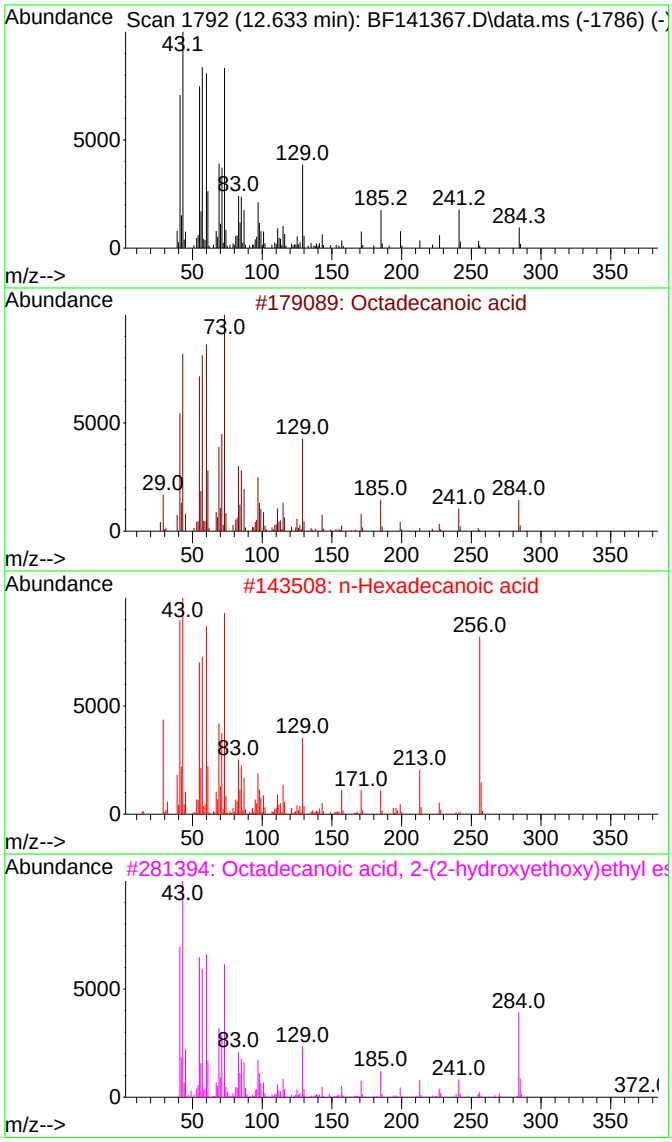
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

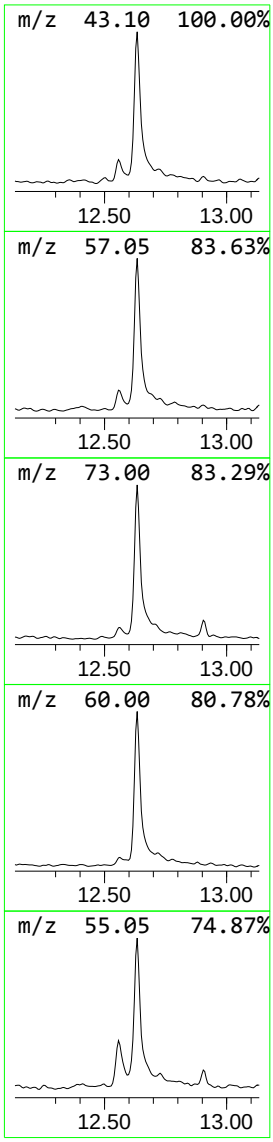
****

Peak Number 4 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.633	6.12 ng	311405	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	89
3	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	86
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
5	n-Decanoic acid	172	C10H20O2	000334-48-5	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

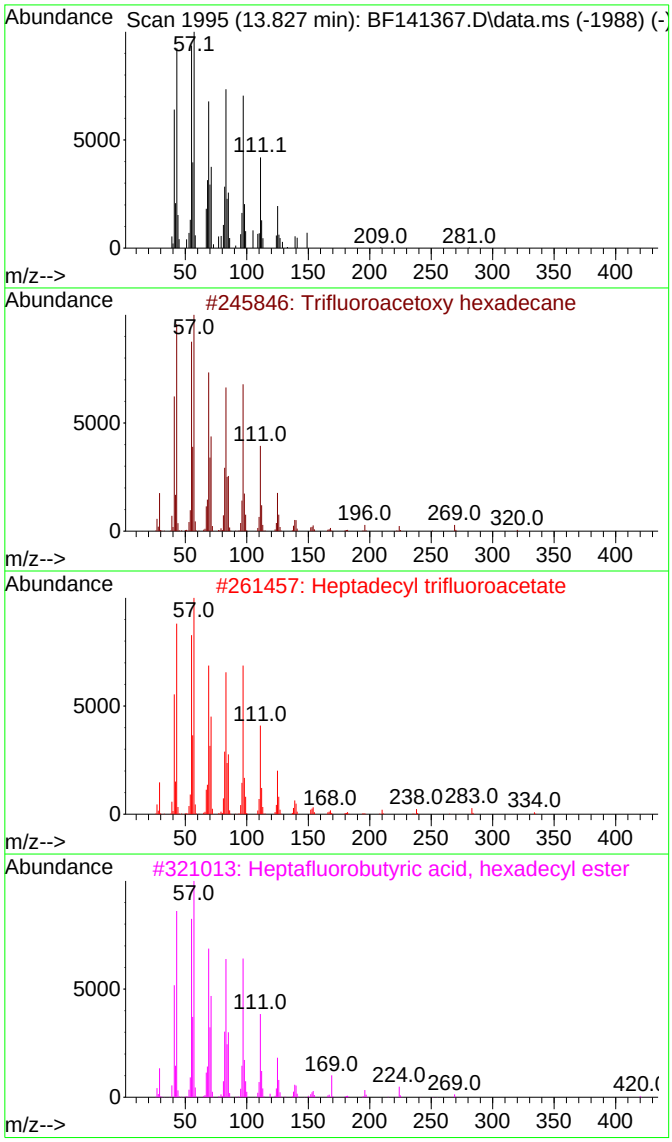
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

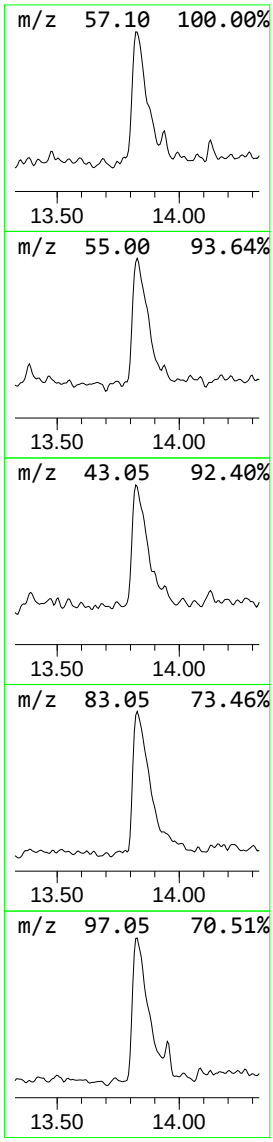
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Trifluoroacetoxy hexadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.827	3.82 ng	173686	Chrysene-d12	13.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	95
2	Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	94
3	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	94
4	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	91
5	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	91





Sample Results: **BF141367.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141367.D
Acq On : 03 Feb 2025 14:08
Operator : RC/JU
Sample : Q1194-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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
2-Propanol, 1-(...	8.322	3.2	ng	134149	2	8.075	833251	20.0
Benzophenone	10.545	2.0	ng	99544	3	9.828	971382	20.0
n-Hexadecanoic ...	11.851	14.7	ng	748088	4	11.316	1016970	20.0
Octadecanoic acid	12.633	6.1	ng	311405	4	11.316	1016970	20.0
Trifluoroacetox...	13.827	3.8	ng	173686	5	13.957	910318	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141408.D
Acq On : 04 Feb 2025 15:06
Operator : RC/JU
Sample : PB166294BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166294BL

Quant Time: Feb 04 16:08:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

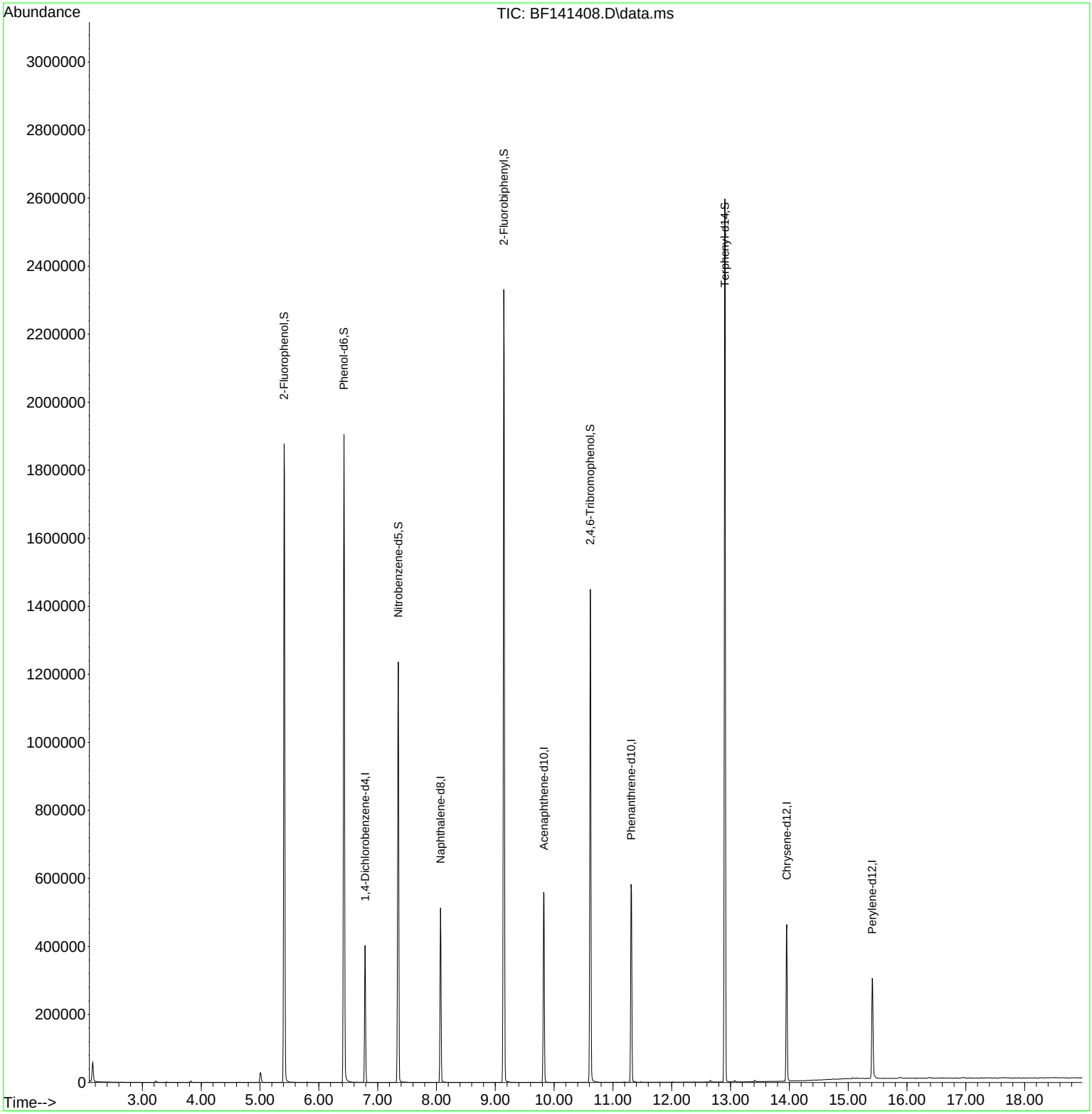
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	79060	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	317518	20.000	ng	-0.02
39) Acenaphthene-d10	9.828	164	174923	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	303054	20.000	ng	-0.02
76) Chrysene-d12	13.957	240	230654	20.000	ng	#-0.02
86) Perylene-d12	15.410	264	181526	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	678321	131.718	ng	0.00
7) Phenol-d6	6.428	99	827808	126.359	ng	-0.01
23) Nitrobenzene-d5	7.351	82	552962	91.807	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	228163	142.278	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	1055957	92.916	ng	-0.02
79) Terphenyl-d14	12.904	244	1280663	85.627	ng	-0.01
Target Compounds						Qvalue

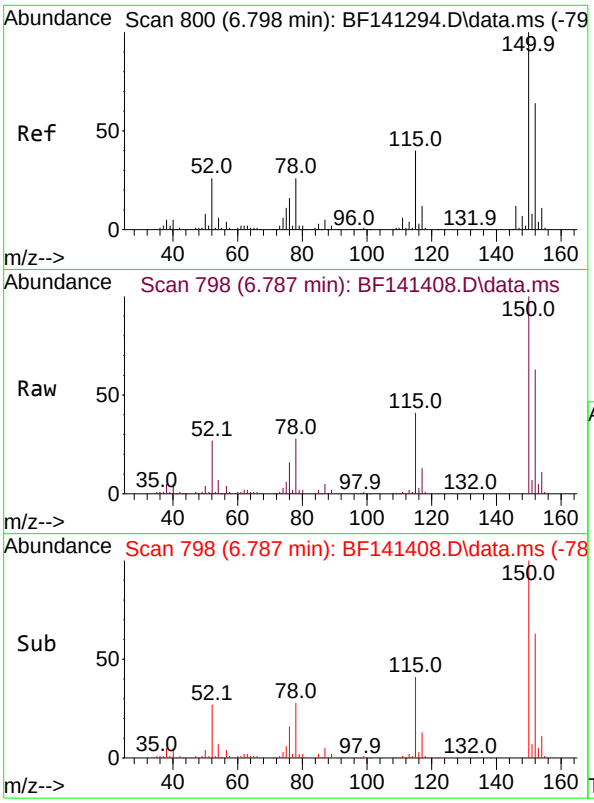
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141408.D
Acq On : 04 Feb 2025 15:06
Operator : RC/JU
Sample : PB166294BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166294BL

Quant Time: Feb 04 16:08:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



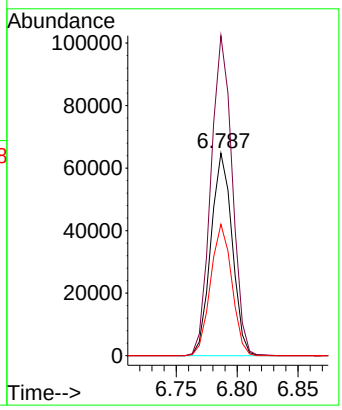


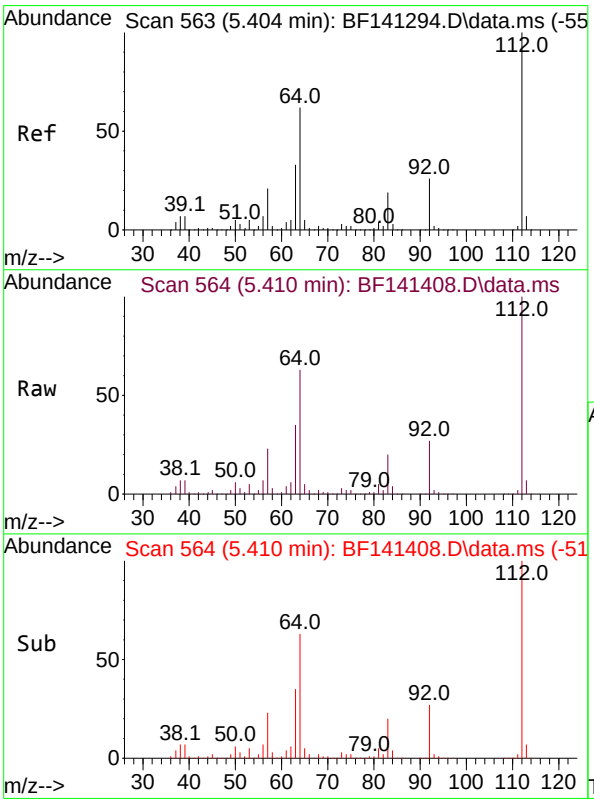
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Instrument :
BNA_F
ClientSampleId :
PB166294BL

Tgt Ion:152 Resp: 79060

Ion	Ratio	Lower	Upper
152	100		
150	158.0	125.9	188.9
115	64.9	49.7	74.5

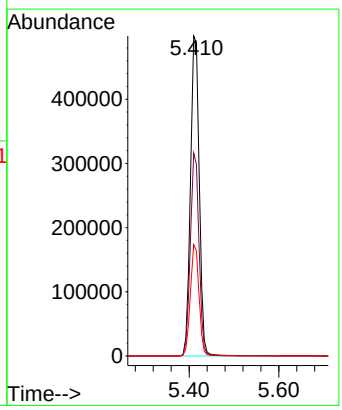


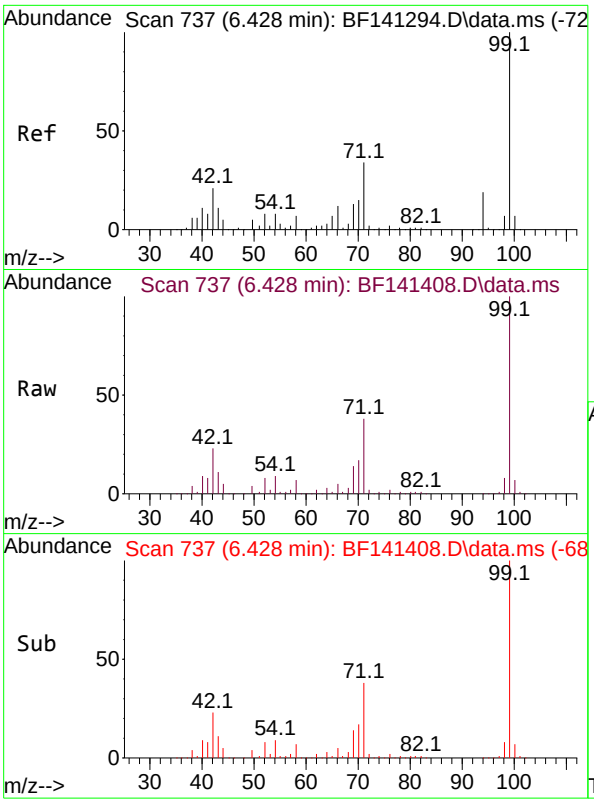


#5
2-Fluorophenol
Concen: 131.718 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Tgt Ion:112 Resp: 678321

Ion	Ratio	Lower	Upper
112	100		
64	63.4	49.8	74.8
63	34.8	26.1	39.1



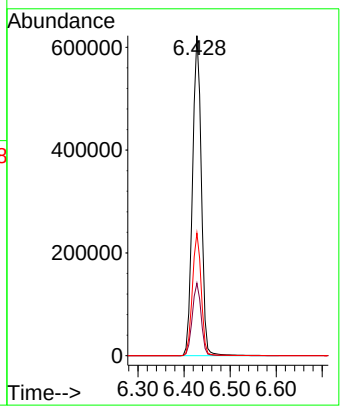


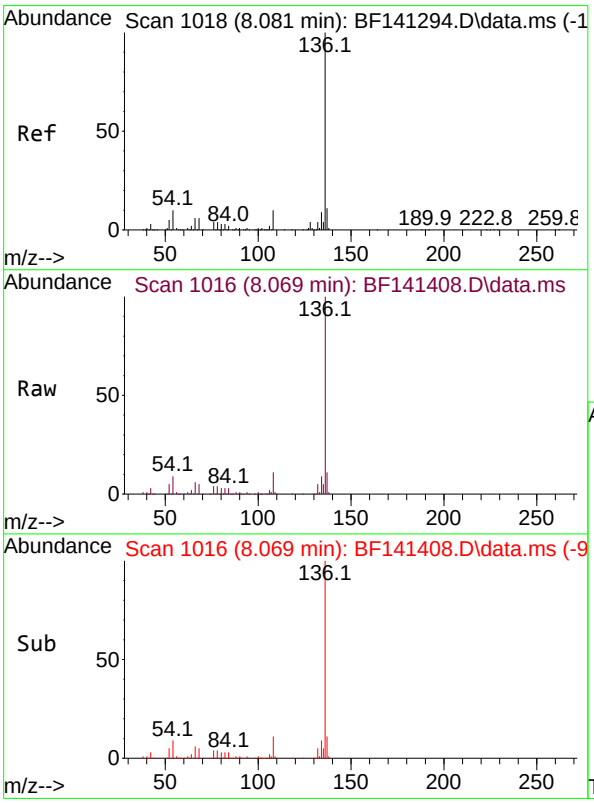
#7
Phenol-d6
Concen: 126.359 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Instrument :
BNA_F
ClientSampleId :
PB166294BL

Tgt Ion: 99 Resp: 827808

Ion	Ratio	Lower	Upper
99	100		
42	22.6	17.1	25.7
71	38.3	26.9	40.3

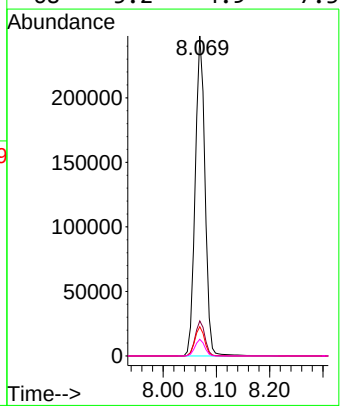


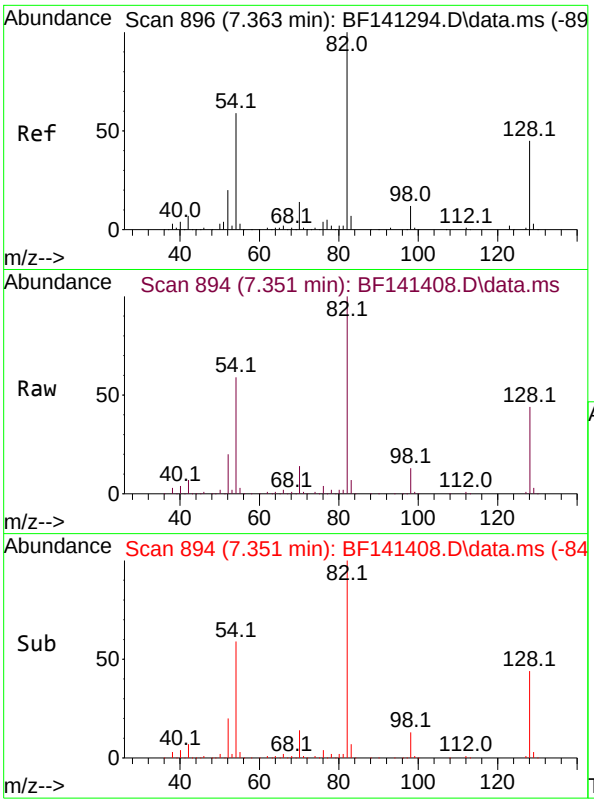


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Tgt Ion:136 Resp: 317518

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.2	7.8	11.8
68	5.2	4.9	7.3



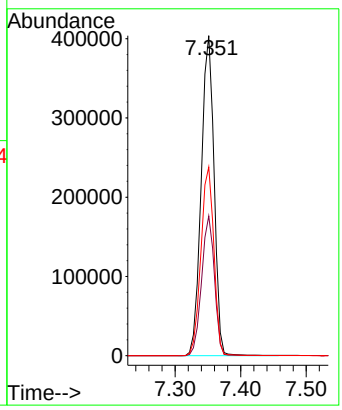


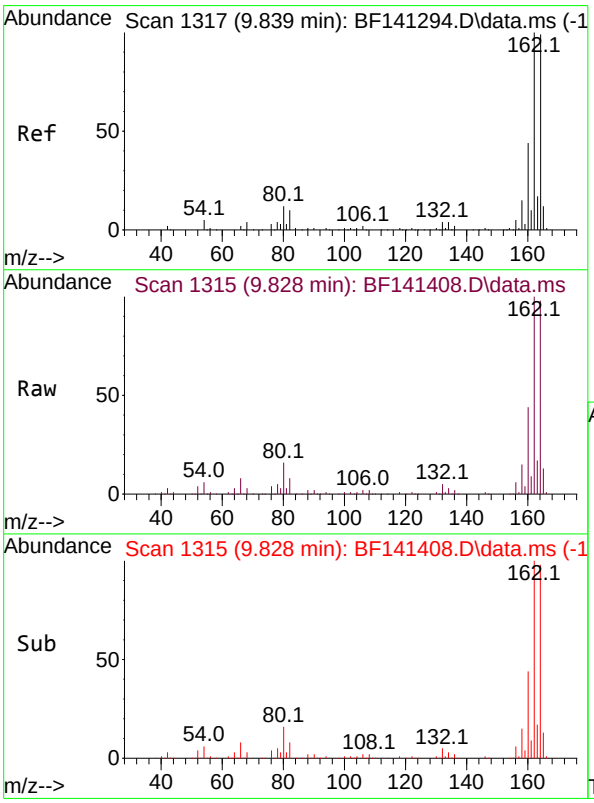
#23
Nitrobenzene-d5
Concen: 91.807 ng
RT: 7.351 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Instrument :
BNA_F
ClientSampleId :
PB166294BL

Tgt Ion: 82 Resp: 552962

Ion	Ratio	Lower	Upper
82	100		
128	43.6	35.7	53.5
54	59.0	47.1	70.7

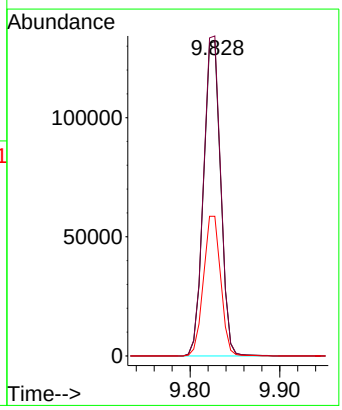


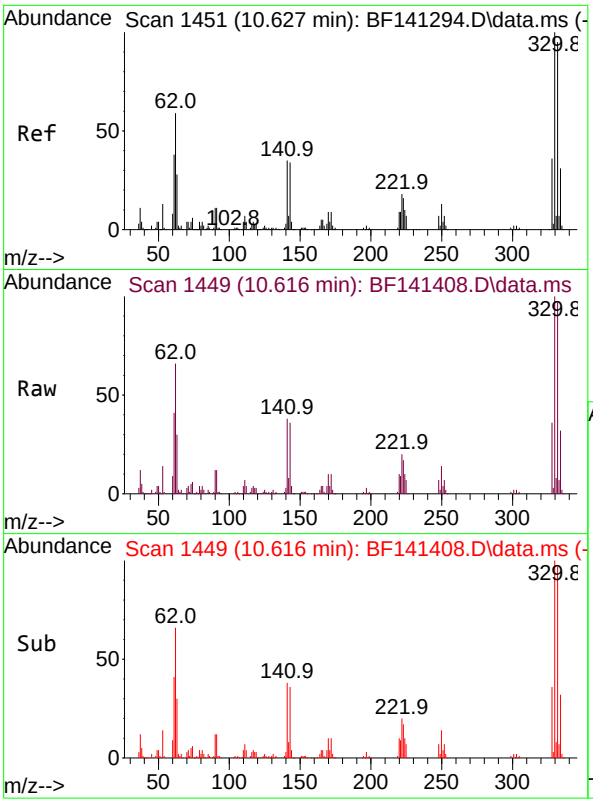


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Tgt Ion:164 Resp: 174923

Ion	Ratio	Lower	Upper
164	100		
162	101.8	80.6	121.0
160	44.4	35.8	53.6



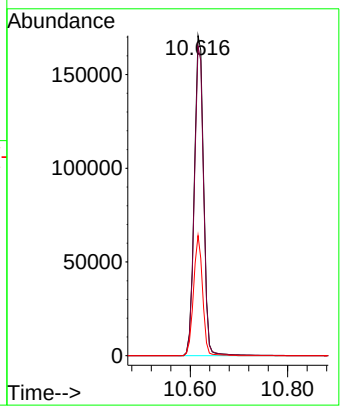


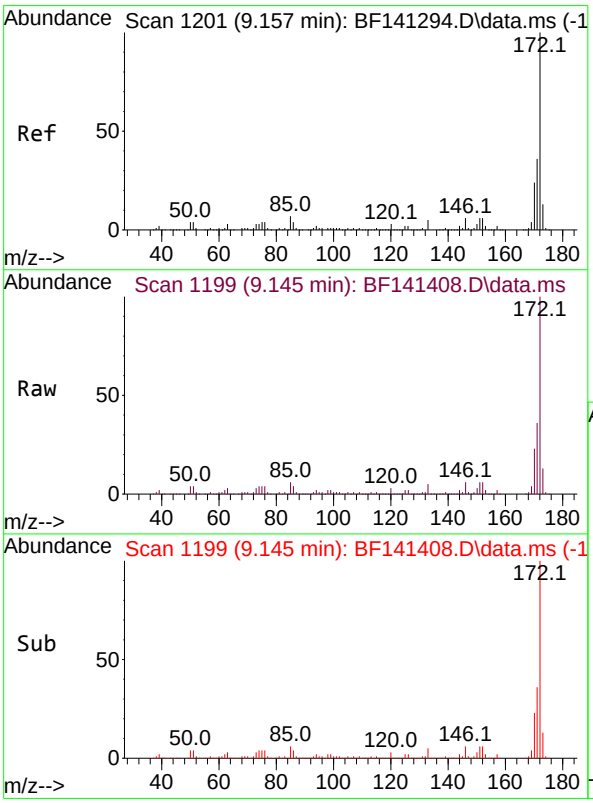
#42
2,4,6-Tribromophenol
Concen: 142.278 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Instrument :
BNA_F
ClientSampleId :
PB166294BL

Tgt Ion:330 Resp: 228163

Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.1	114.1
141	36.5	28.8	43.2

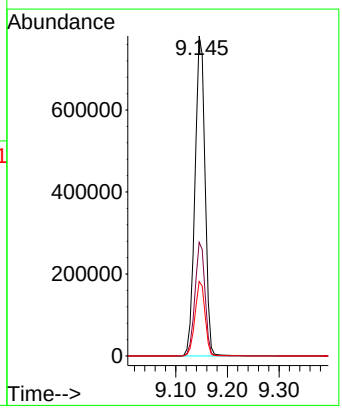


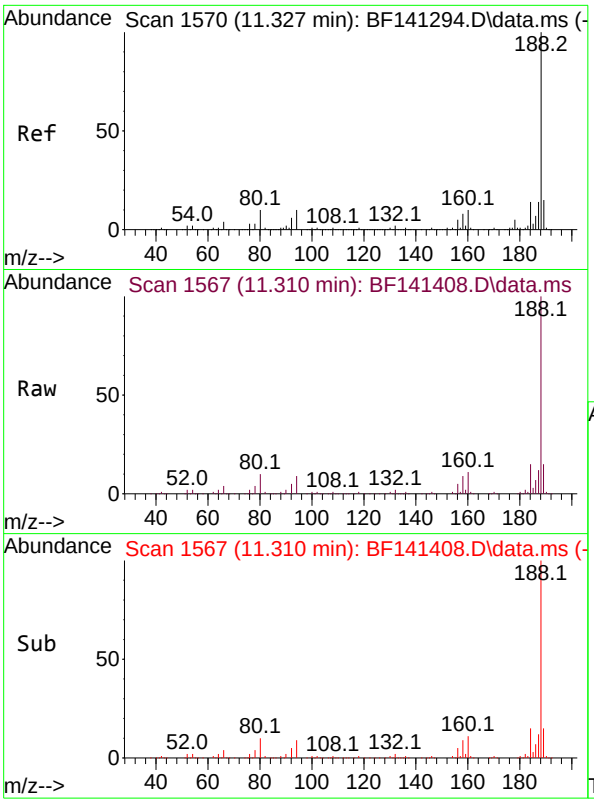


#45
2-Fluorobiphenyl
Concen: 92.916 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Tgt Ion:172 Resp: 1055957

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.8	43.2
170	23.3	19.0	28.6



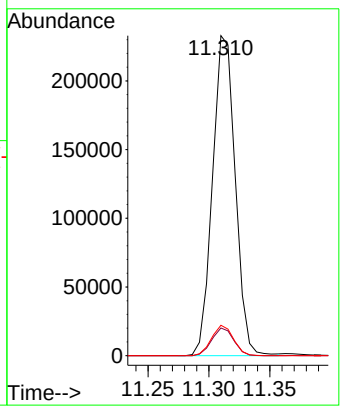


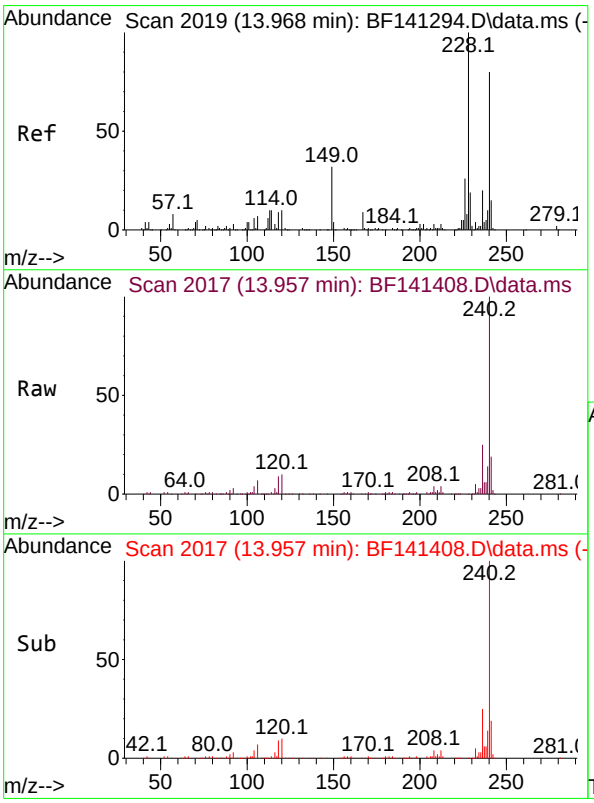
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Instrument :
BNA_F
ClientSampleId :
PB166294BL

Tgt Ion:188 Resp: 303054

Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.8	11.6
80	9.5	8.2	12.4

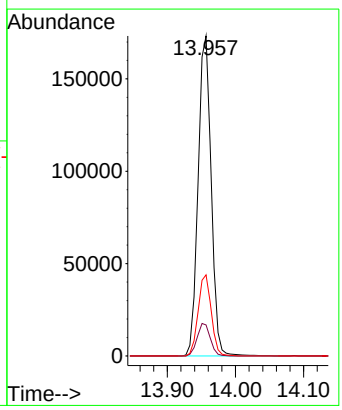


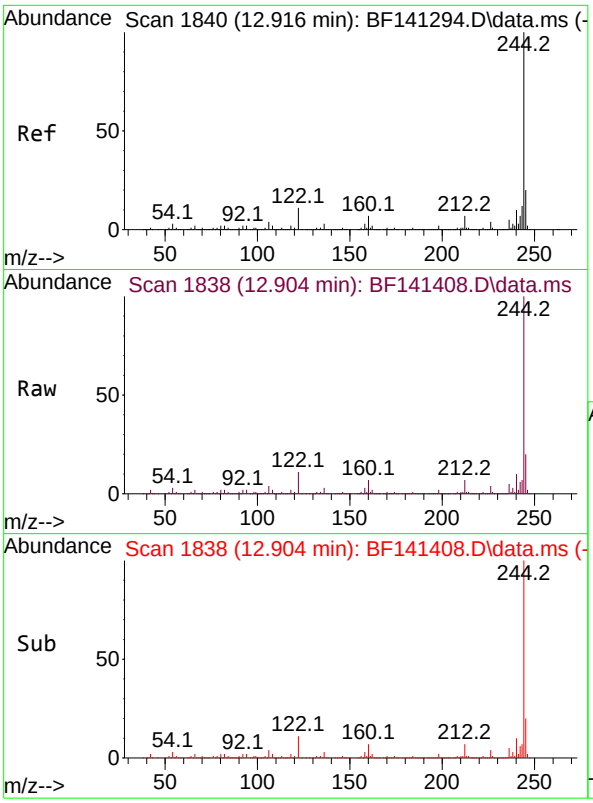


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Tgt Ion:240 Resp: 230654

Ion	Ratio	Lower	Upper
240	100		
120	9.7	10.0	15.0#
236	25.4	19.7	29.5



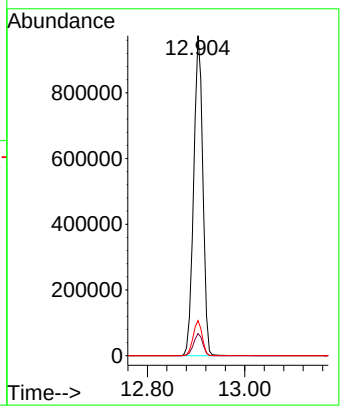


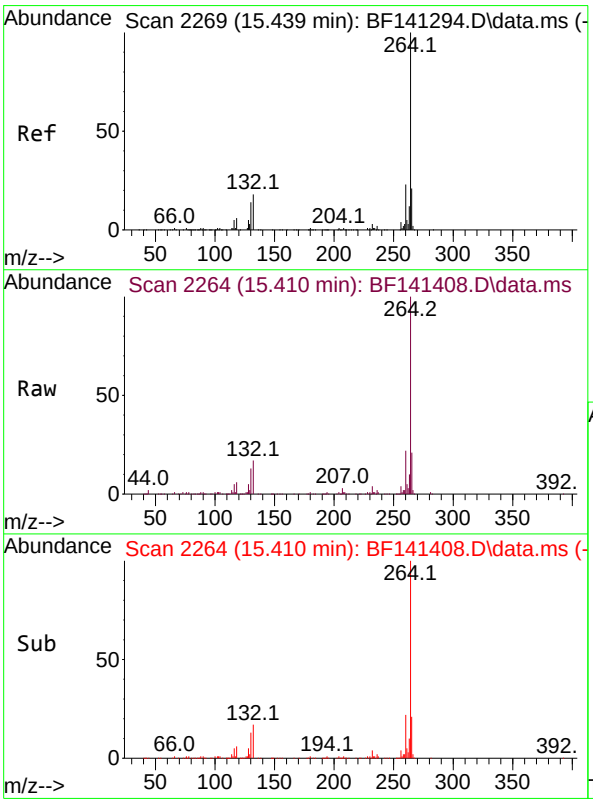
#79
Terphenyl-d14
Concen: 85.627 ng
RT: 12.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Instrument :
BNA_F
ClientSampleId :
PB166294BL

Tgt Ion:244 Resp: 1280663

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	11.0	8.8	13.2

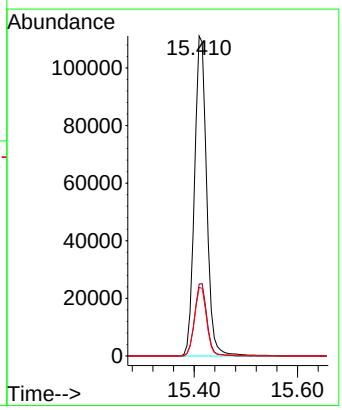




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2264
Delta R.T. -0.030 min
Lab File: BF141408.D
Acq: 04 Feb 2025 15:06

Tgt Ion:264 Resp: 181526

Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.6	27.8
265	21.4	16.7	25.1



Sample Results: **BF141408.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141408.D
Acq On : 04 Feb 2025 15:06
Operator : RC/JU
Sample : PB166294BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166294BL

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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141408.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.157	5	11	17	rVB	55221	84730	2.50%	0.447%
2	5.010	490	496	503	rBV	28766	45988	1.36%	0.243%
3	5.410	559	564	585	rBV	1877248	2519570	74.44%	13.292%
4	6.428	731	737	757	rBV	1904932	2536447	74.94%	13.381%
5	6.787	793	798	803	rBV	402329	487504	14.40%	2.572%
6	7.351	887	894	899	rBV	1236119	1684732	49.78%	8.888%
7	8.069	1011	1016	1028	rBV	513059	648008	19.15%	3.418%
8	9.145	1193	1199	1205	rBV	2331183	3103486	91.70%	16.372%
9	9.822	1309	1314	1320	rBV	559095	735775	21.74%	3.881%
10	10.616	1443	1449	1474	rBV	1449246	1884706	55.69%	9.943%
11	11.310	1562	1567	1575	rBV	581584	749720	22.15%	3.955%
12	12.904	1832	1838	1843	rBV	2596447	3384550	100.00%	17.855%
13	13.957	2011	2017	2030	rBV	460587	614395	18.15%	3.241%
14	15.410	2258	2264	2278	rVB	294071	476338	14.07%	2.513%

Sum of corrected areas: 18955949

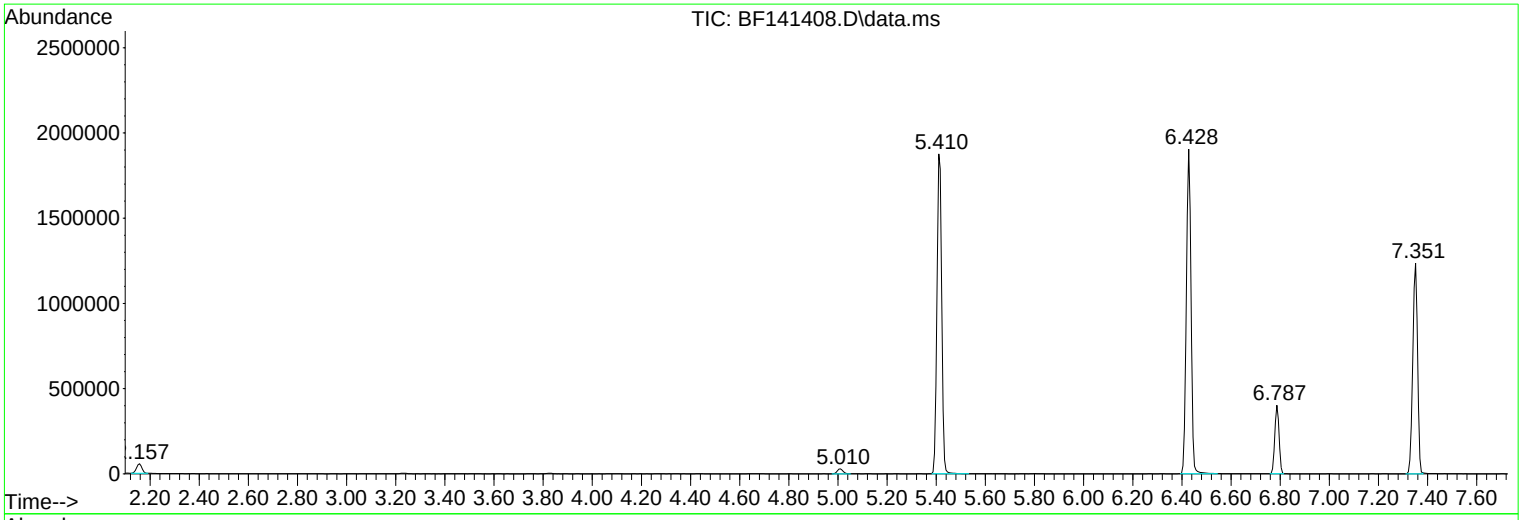
Sample Results: **BF141408.D**

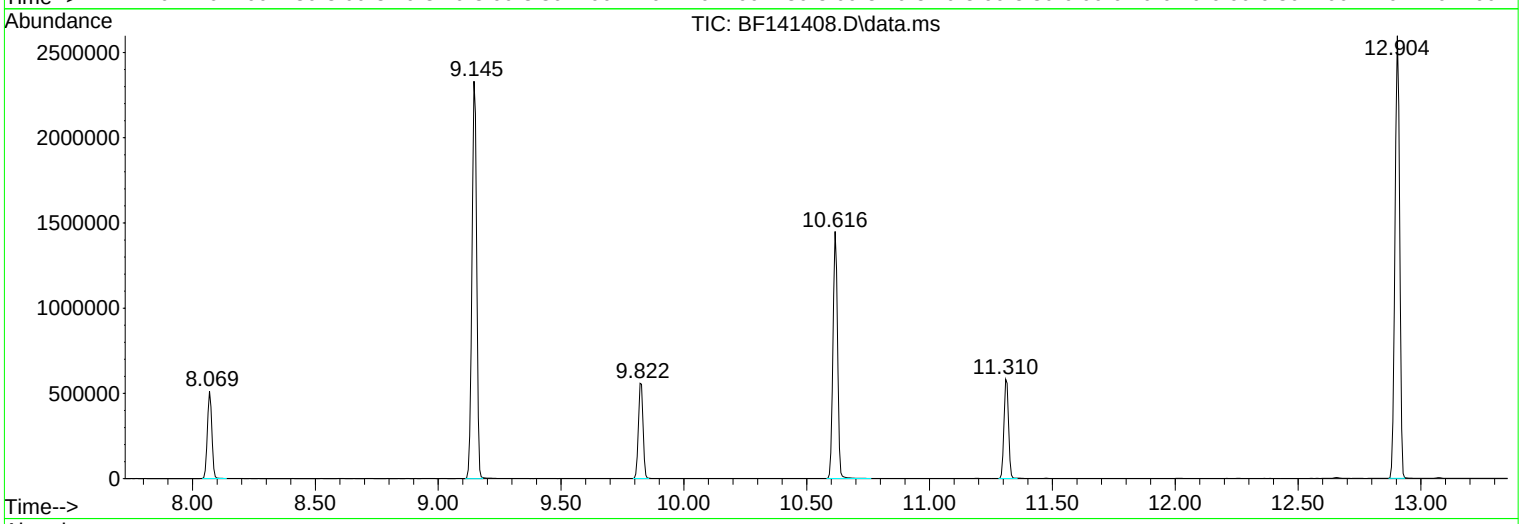
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141408.D
Acq On : 04 Feb 2025 15:06
Operator : RC/JU
Sample : PB166294BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

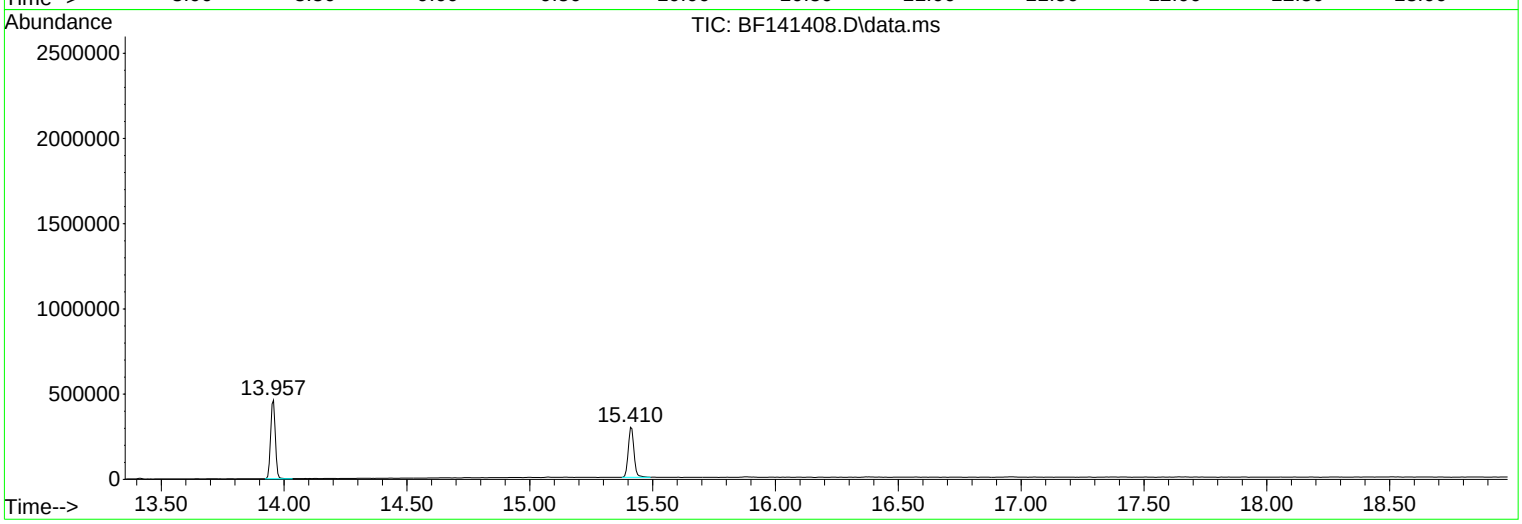
Instrument :
BNA_F
ClientSampleId :
PB166294BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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\BF020425\
Data File : BF141408.D
Acq On : 04 Feb 2025 15:06
Operator : RC/JU
Sample : PB166294BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166294BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

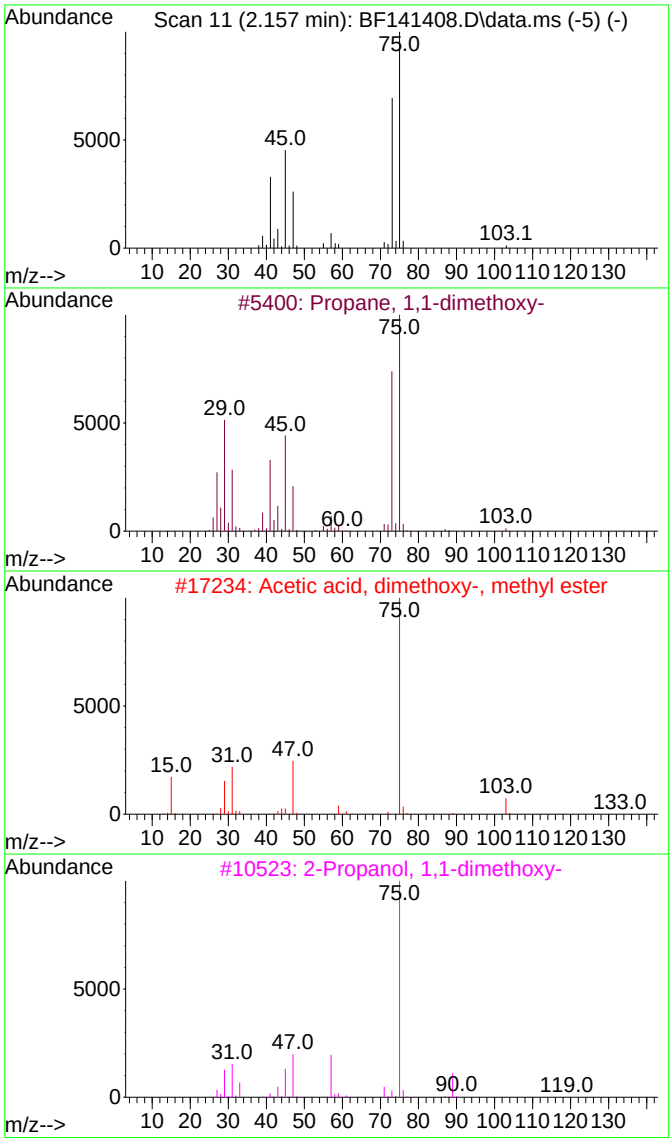
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

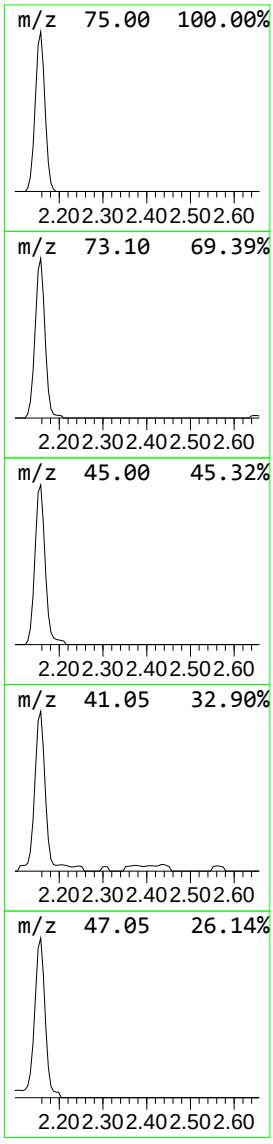
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.157	3.48 ng	84730	1,4-Dichlorobenzene-d4	6.787

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	74
2	Acetic acid, dimethoxy-, methyl ...	134	C5H10O4	000089-91-8	40
3	2-Propanol, 1,1-dimethoxy-	120	C5H12O3	042919-42-6	36
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	22
5	Thiocyanic acid, methyl ester	73	C2H3NS	000556-64-9	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141408.D
Acq On : 04 Feb 2025 15:06
Operator : RC/JU
Sample : PB166294BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166294BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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
Propane, 1,1-di...	2.157	3.5	ng	84730	1	6.787	487504	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141312.D
Acq On : 30 Jan 2025 14:32
Operator : RC/JU
Sample : PB166339BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Quant Time: Jan 30 14:56:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

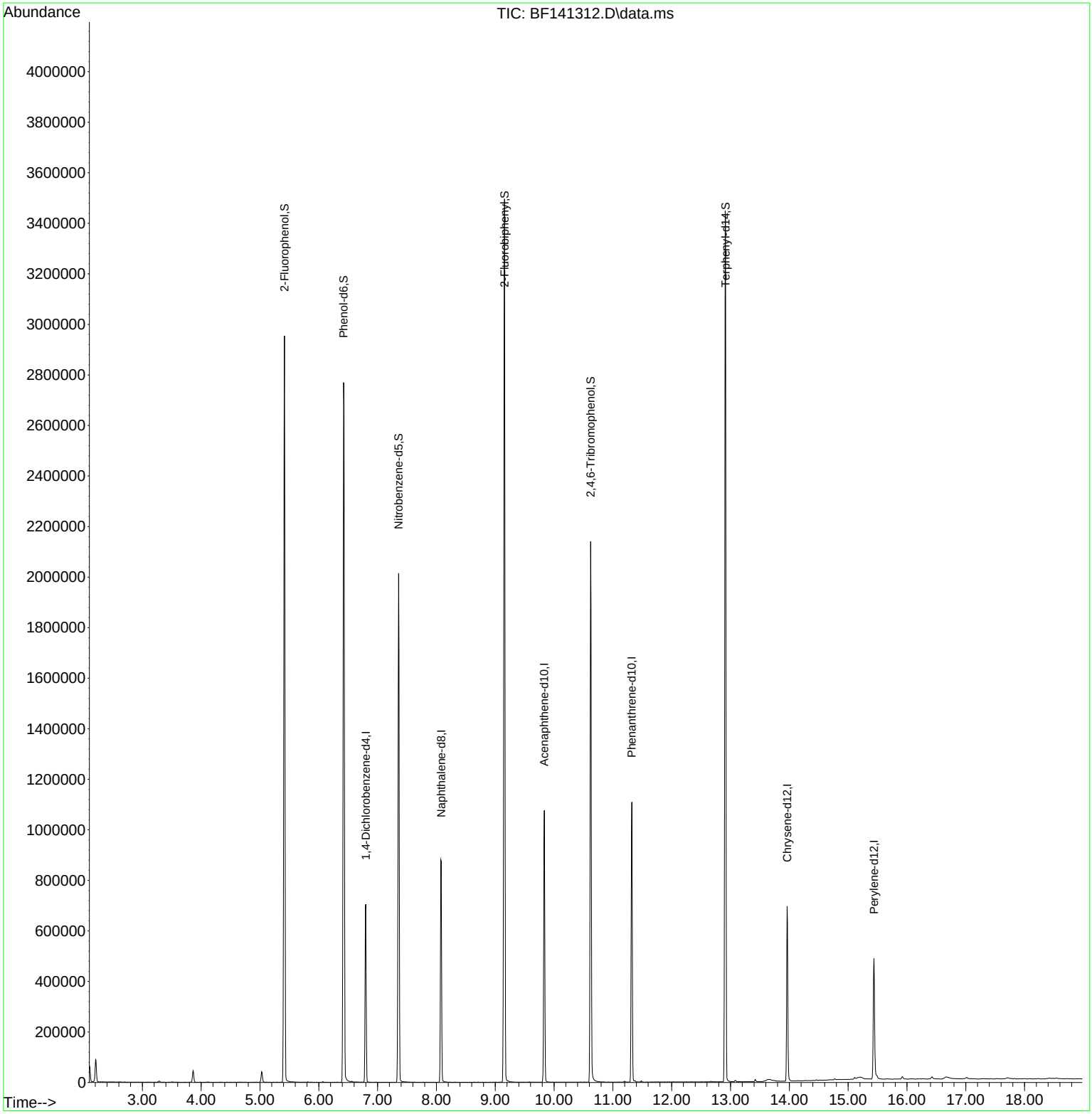
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	146115	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	599878	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	324432	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	552085	20.000	ng	0.00
76) Chrysene-d12	13.963	240	345336	20.000	ng	-0.01
86) Perylene-d12	15.439	264	288136	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	1139750	119.751	ng	0.00
7) Phenol-d6	6.422	99	1418217	117.134	ng	-0.02
23) Nitrobenzene-d5	7.357	82	926335	81.405	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	357023	120.036	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	1650886	78.322	ng	0.00
79) Terphenyl-d14	12.916	244	1827244	81.600	ng	0.00
Target Compounds						Qvalue

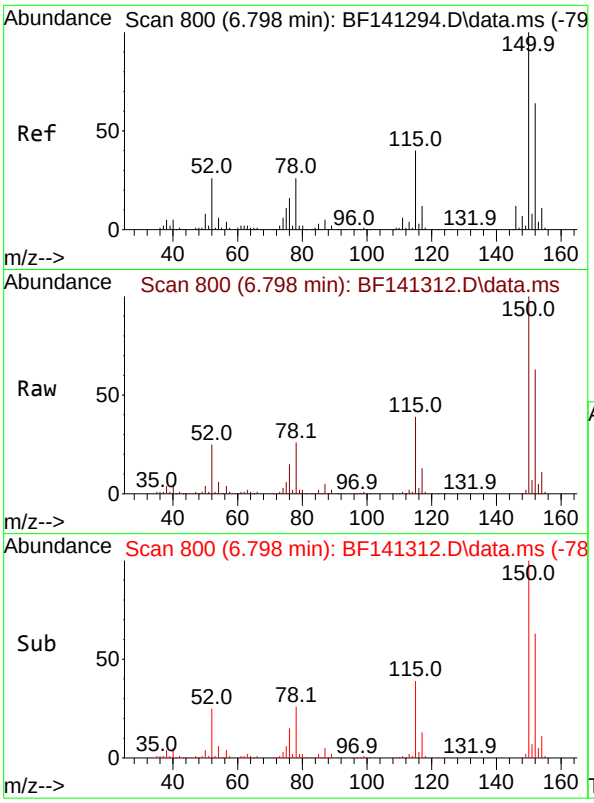
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141312.D
Acq On : 30 Jan 2025 14:32
Operator : RC/JU
Sample : PB166339BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Quant Time: Jan 30 14:56:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration



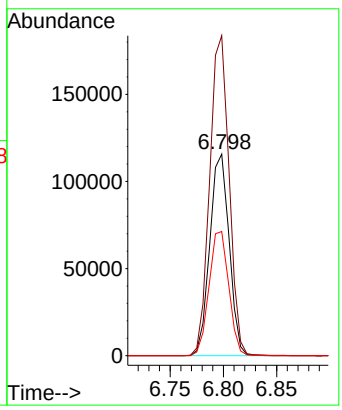


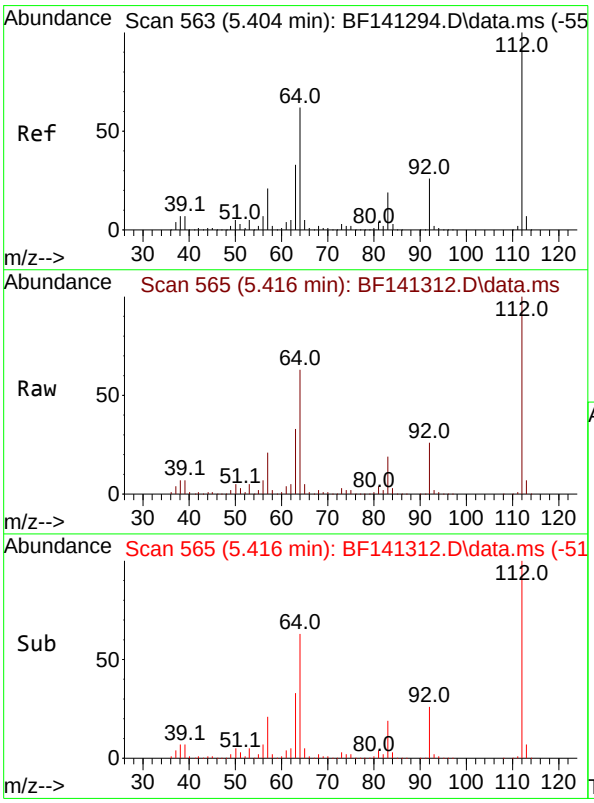
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Tgt Ion:152 Resp: 146115

Ion	Ratio	Lower	Upper
152	100		
150	158.7	125.9	188.9
115	61.6	49.7	74.5

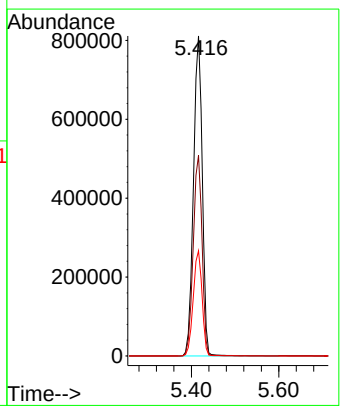


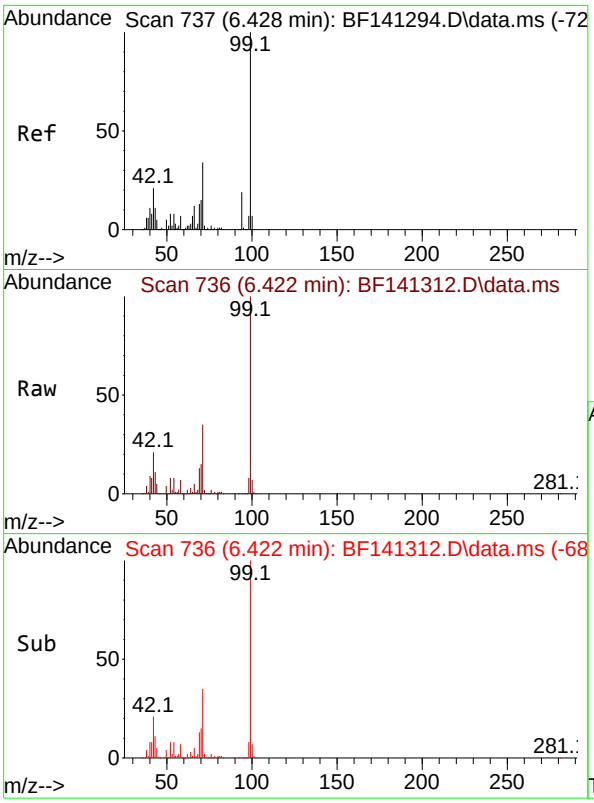


#5
2-Fluorophenol
Concen: 119.751 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Tgt Ion:112 Resp: 1139750

Ion	Ratio	Lower	Upper
112	100		
64	62.7	49.8	74.8
63	32.8	26.1	39.1



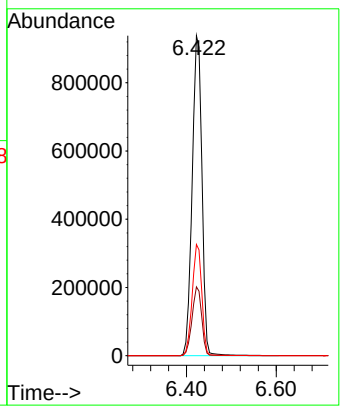


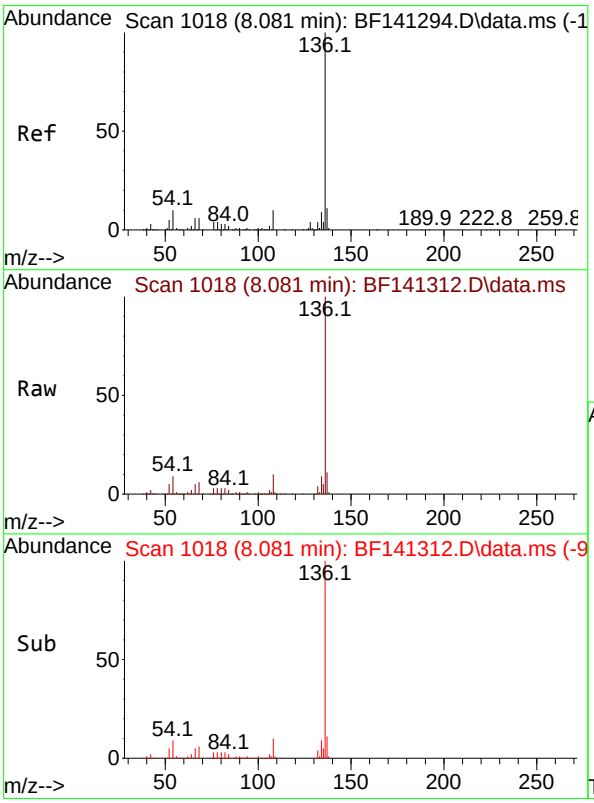
#7
Phenol-d6
Concen: 117.134 ng
RT: 6.422 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Tgt Ion: 99 Resp: 1418217

Ion	Ratio	Lower	Upper
99	100		
42	21.5	17.1	25.7
71	34.7	26.9	40.3

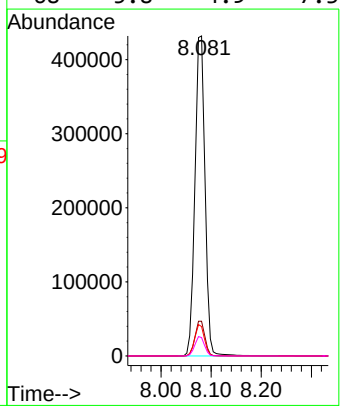


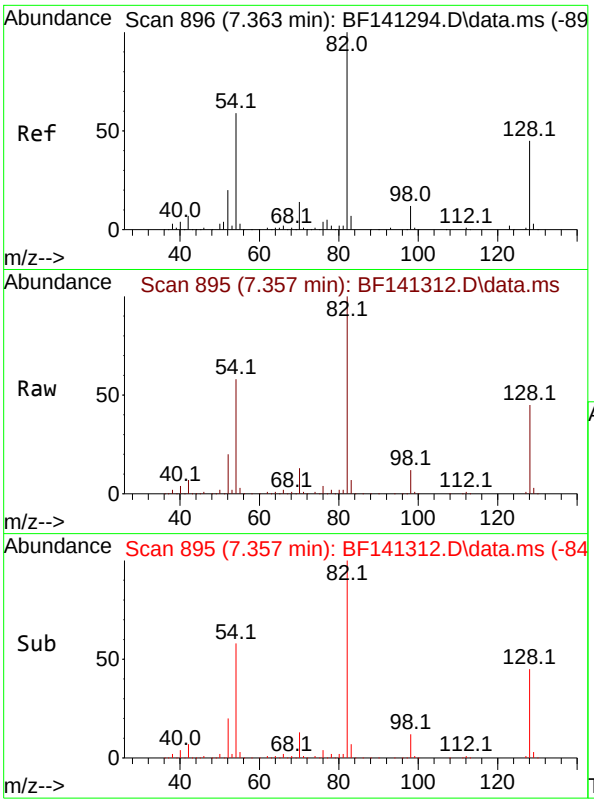


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Tgt Ion:136 Resp: 599878

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.2	7.8	11.8
68	5.8	4.9	7.3



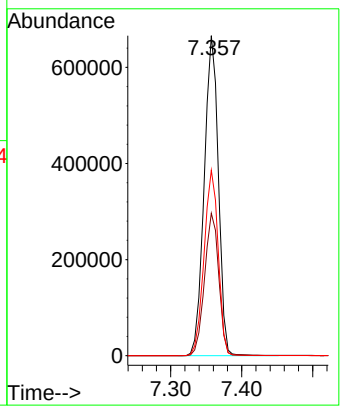


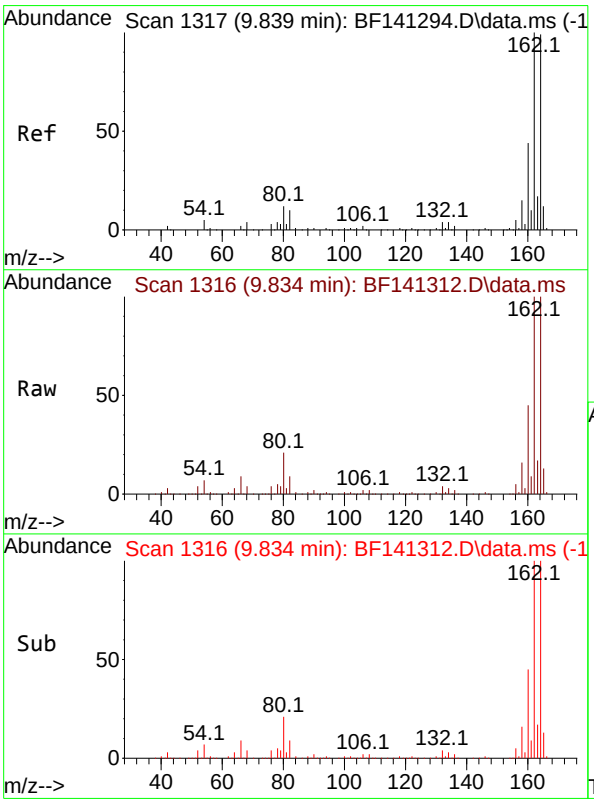
#23
Nitrobenzene-d5
Concen: 81.405 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Tgt Ion: 82 Resp: 926335

Ion	Ratio	Lower	Upper
82	100		
128	44.5	35.7	53.5
54	58.0	47.1	70.7

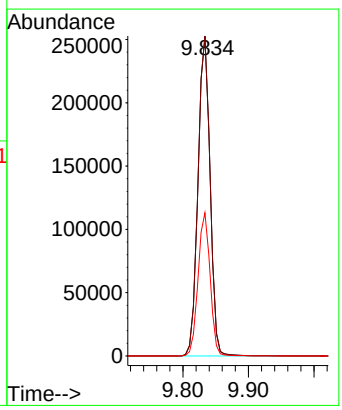


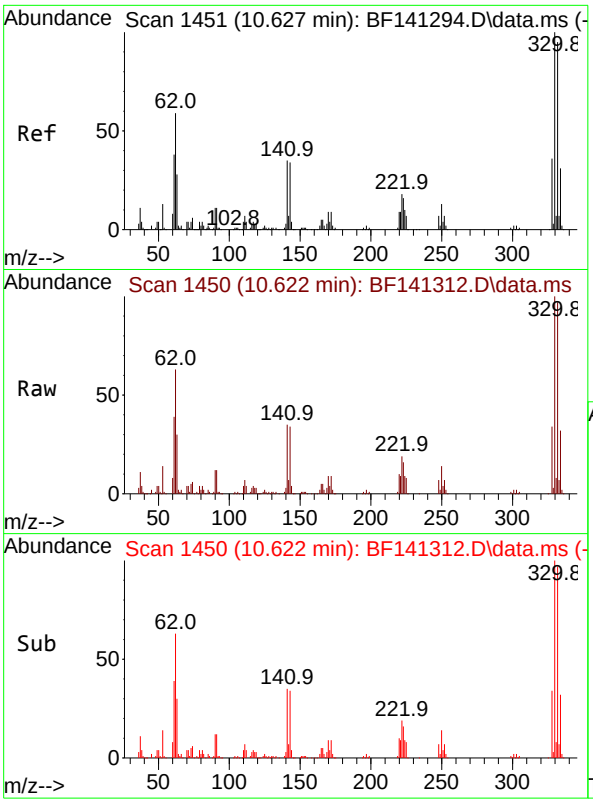


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Tgt Ion:164 Resp: 324432

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.6	121.0
160	44.9	35.8	53.6



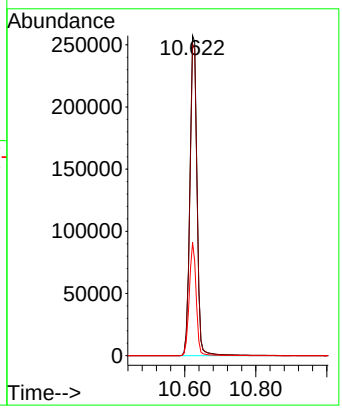


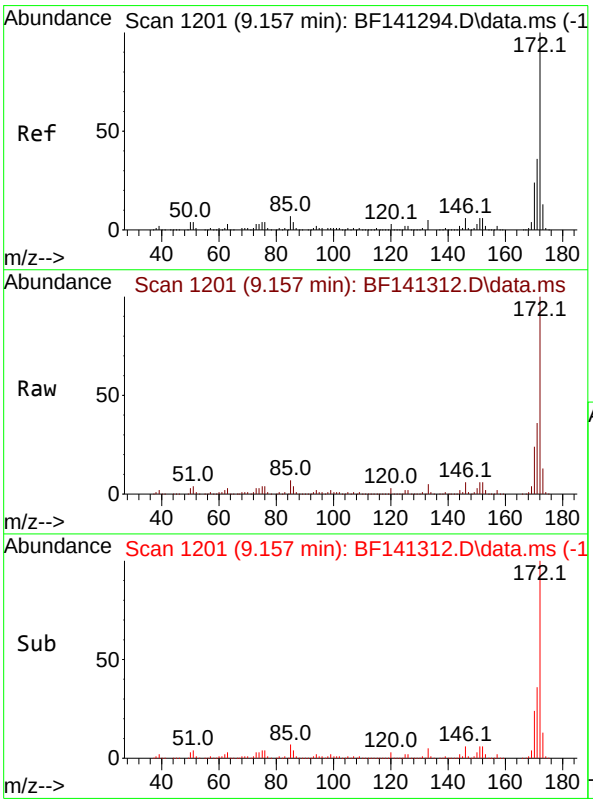
#42
2,4,6-Tribromophenol
Concen: 120.036 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Tgt Ion:330 Resp: 357023

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.1	114.1
141	34.4	28.8	43.2

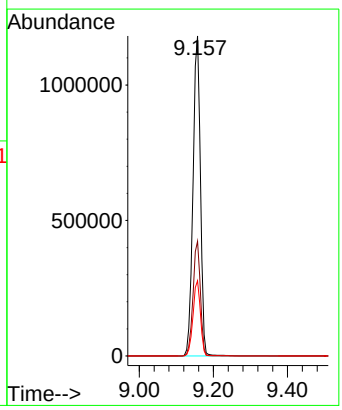


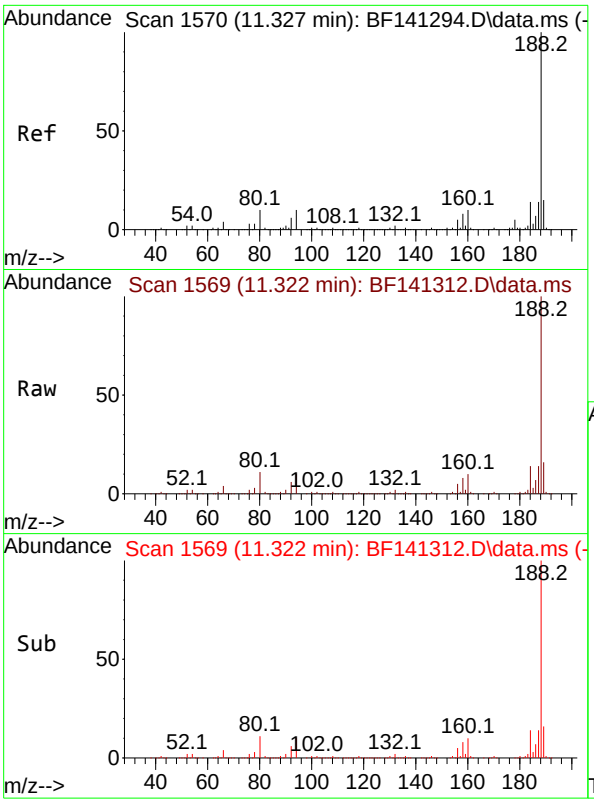


#45
2-Fluorobiphenyl
Concen: 78.322 ng
RT: 9.157 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Tgt Ion:172 Resp: 1650886

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.8	43.2
170	23.5	19.0	28.6



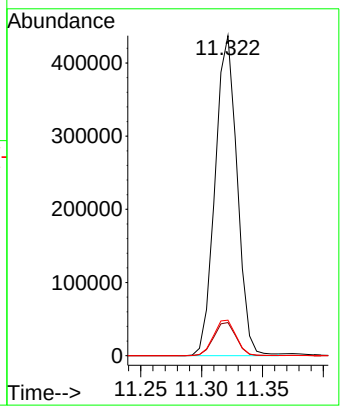


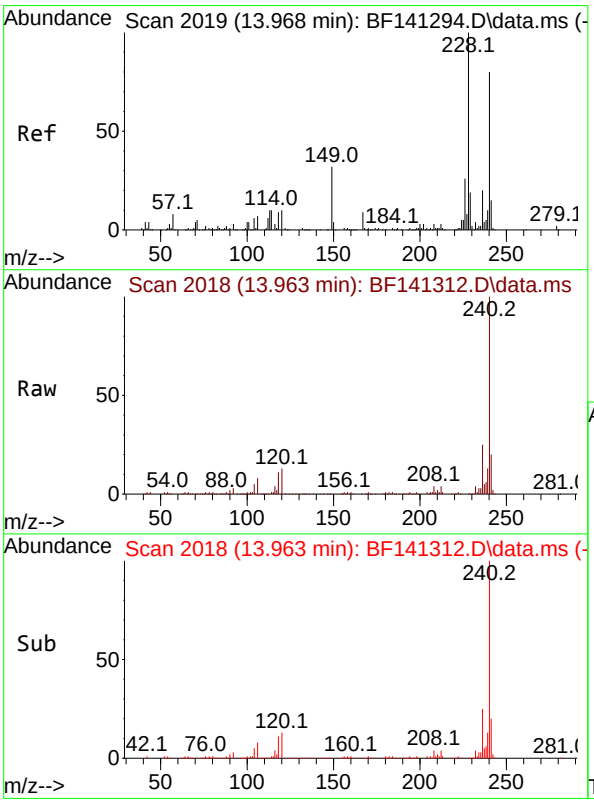
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Tgt Ion:188 Resp: 552085

Ion	Ratio	Lower	Upper
188	100		
94	10.4	7.8	11.6
80	11.1	8.2	12.4

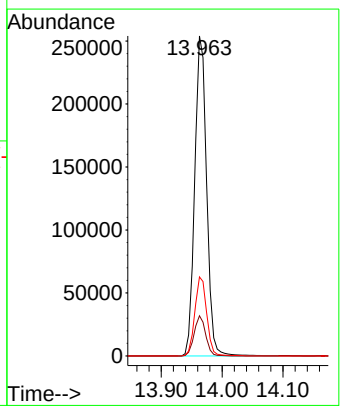


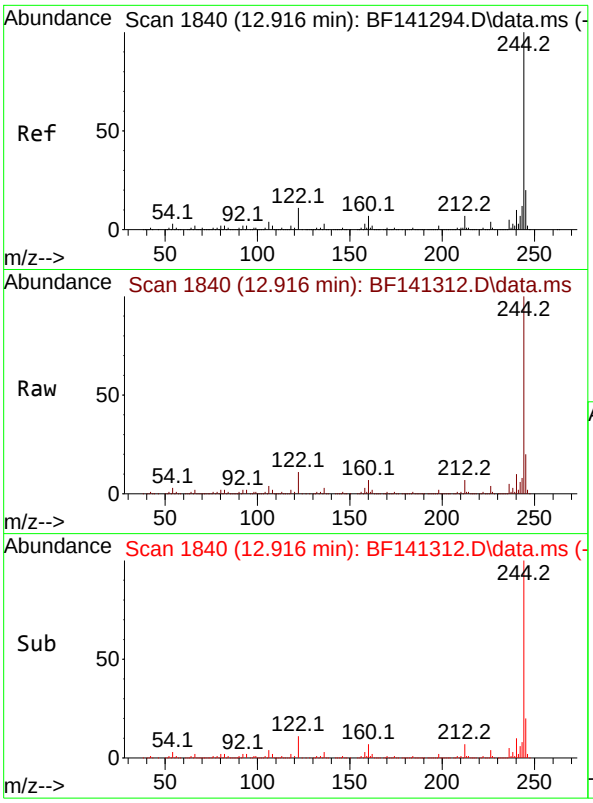


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Tgt Ion:240 Resp: 345336

Ion	Ratio	Lower	Upper
240	100		
120	12.5	10.0	15.0
236	24.7	19.7	29.5



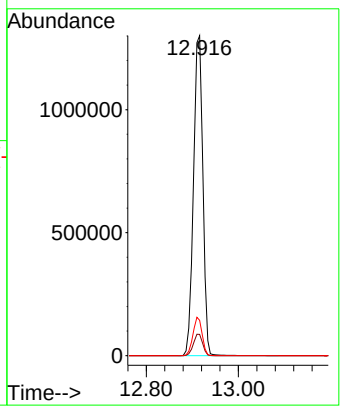


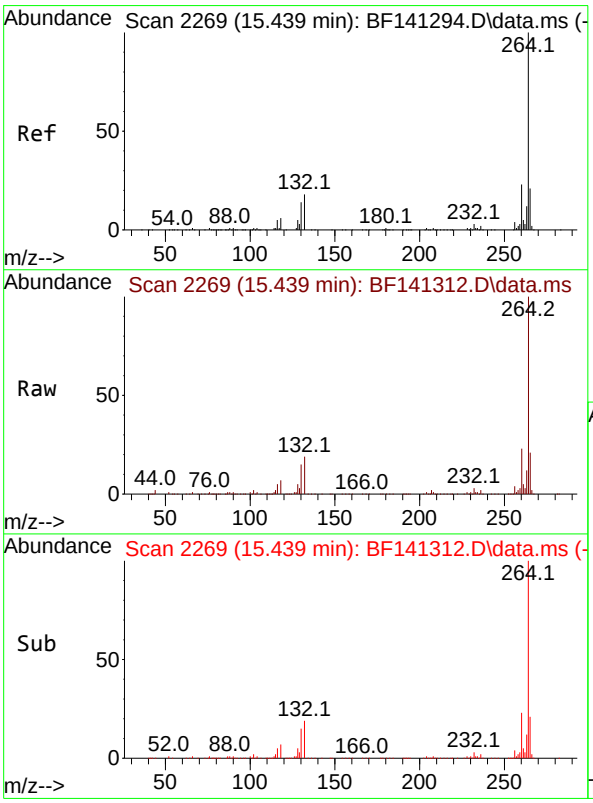
#79
Terphenyl-d14
Concen: 81.600 ng
RT: 12.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Tgt Ion:244 Resp: 1827244

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	11.0	8.8	13.2

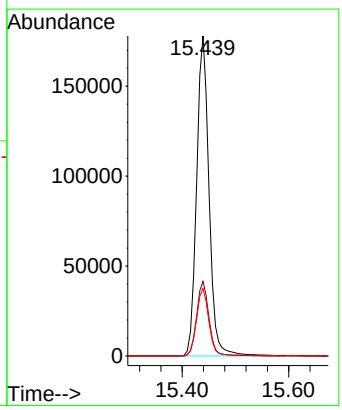




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BF141312.D
Acq: 30 Jan 2025 14:32

Tgt Ion:264 Resp: 288136

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	27.8
265	21.1	16.7	25.1



Sample Results: **BF141312.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141312.D
Acq On : 30 Jan 2025 14:32
Operator : RC/JU
Sample : PB166339BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166339BL

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-BF012925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141312.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.205	12	19	29	rVB	87834	141412	2.91%	0.462%
2	3.863	294	301	311	rVB	45917	74935	1.54%	0.245%
3	5.028	489	499	509	rBV	41368	67598	1.39%	0.221%
4	5.416	558	565	570	rBV	2953487	4128195	85.05%	13.490%
5	6.422	729	736	742	rBV	2769311	4142045	85.34%	13.535%
6	6.798	794	800	805	rBV	703922	896894	18.48%	2.931%
7	7.357	888	895	900	rBV	2014311	2789400	57.47%	9.115%
8	8.075	1011	1017	1036	rBV	879846	1211726	24.96%	3.960%
9	9.157	1194	1201	1206	rBV	3495666	4853720	100.00%	15.861%
10	9.834	1310	1316	1330	rBV	1075502	1382194	28.48%	4.517%
11	10.622	1444	1450	1481	rBV	2139914	2902178	59.79%	9.484%
12	11.322	1563	1569	1576	rBV	1108051	1398591	28.81%	4.570%
13	12.910	1833	1839	1845	rBV	3446293	4844822	99.82%	15.832%
14	13.651	1946	1965	1980	rBV	8309	62513	1.29%	0.204%
15	13.963	2013	2018	2033	rBV	692036	926049	19.08%	3.026%
16	15.439	2262	2269	2289	rVB	476977	779356	16.06%	2.547%

Sum of corrected areas: 30601628

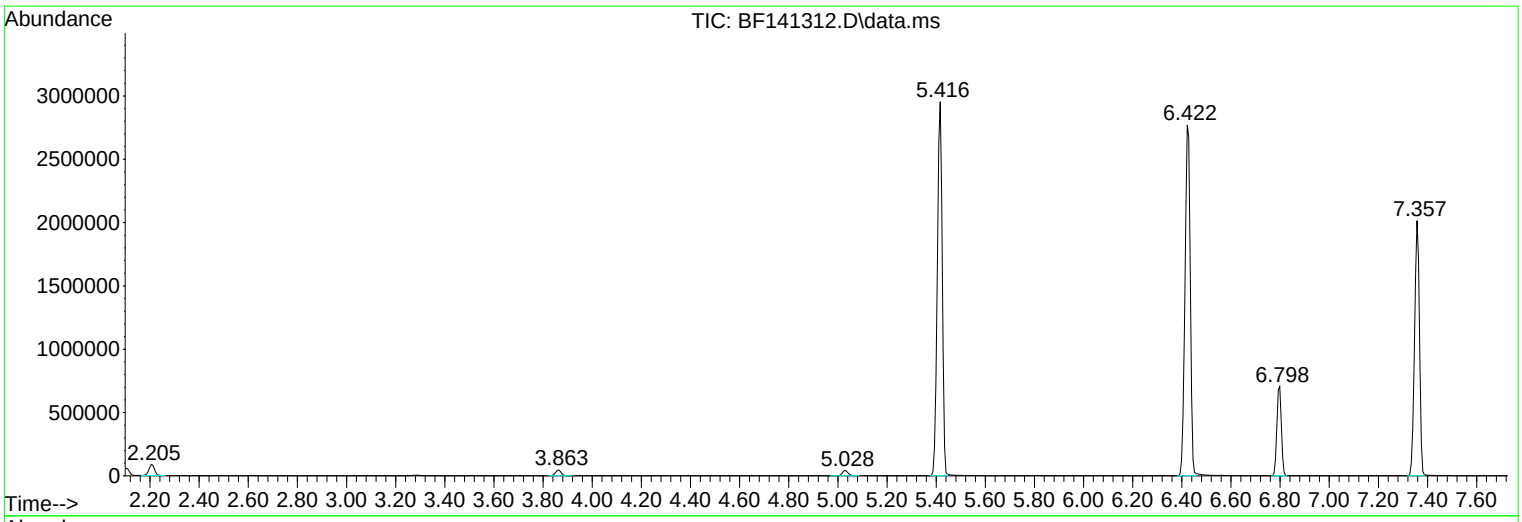
Sample Results: **BF141312.D**

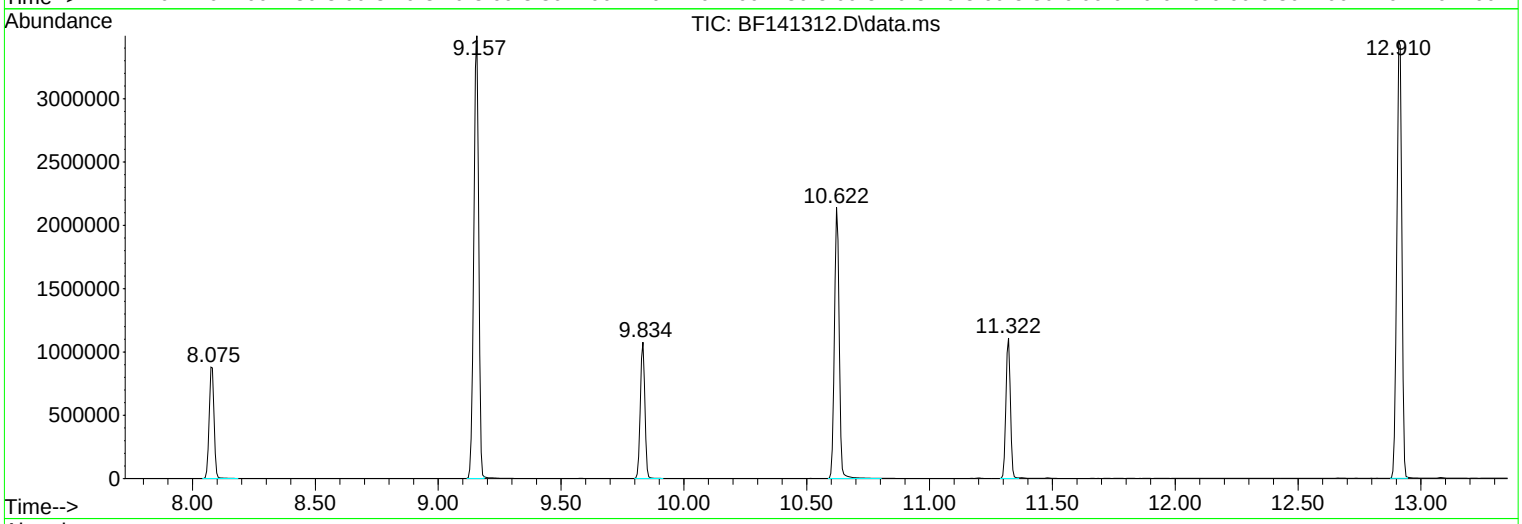
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141312.D
Acq On : 30 Jan 2025 14:32
Operator : RC/JU
Sample : PB166339BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

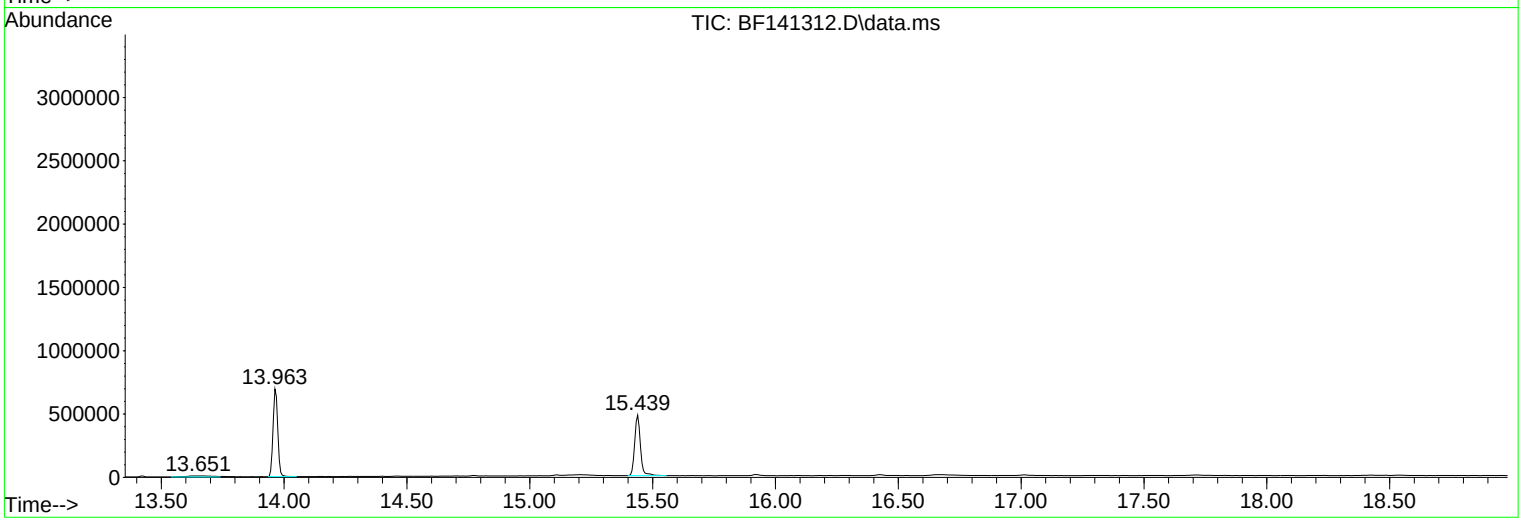
Instrument :
BNA_F
ClientSampleId :
PB166339BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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\BF013025\
Data File : BF141312.D
Acq On : 30 Jan 2025 14:32
Operator : RC/JU
Sample : PB166339BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

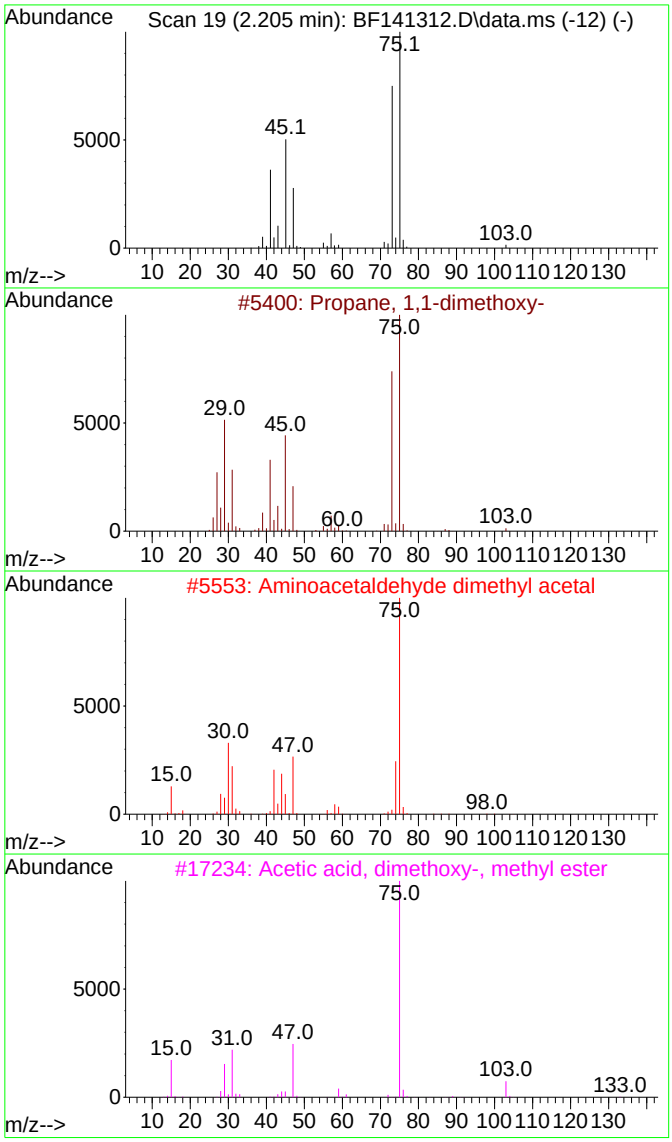
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

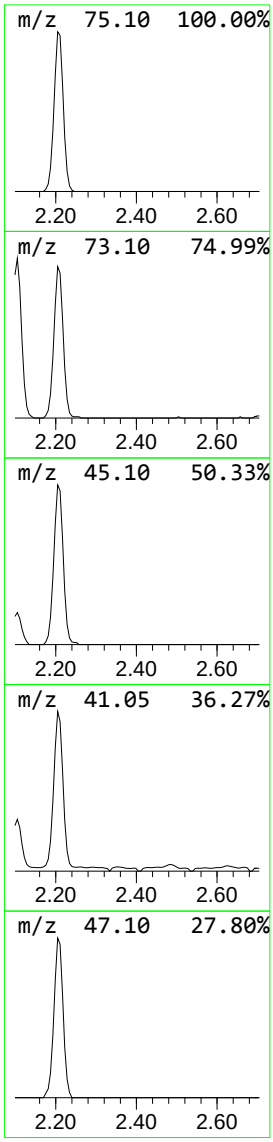
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.205	3.15 ng	141412	1,4-Dichlorobenzene-d4	6.798

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	83
2	Aminoacetaldehyde dimethyl acetal	105	C4H11NO2	022483-09-6	33
3	Acetic acid, dimethoxy-, methyl ...	134	C5H10O4	000089-91-8	28
4	Methane, trimethoxy-	106	C4H10O3	000149-73-5	28
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	22





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013025\
Data File : BF141312.D
Acq On : 30 Jan 2025 14:32
Operator : RC/JU
Sample : PB166339BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166339BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.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
Propane, 1,1-di...	2.205	3.1	ng	141412	1	6.798	896894	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141439.D
Acq On : 05 Feb 2025 11:47
Operator : RC/JU
Sample : PB166294BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 05 12:09:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	72987	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	285622	20.000	ng	#-0.01
39) Acenaphthene-d10	9.827	164	157073	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	268815	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	187164	20.000	ng	-0.01
86) Perylene-d12	15.427	264	163935	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	630538	132.627	ng	0.00
7) Phenol-d6	6.434	99	771514	127.565	ng	0.00
23) Nitrobenzene-d5	7.357	82	515185	95.086	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	222970	154.841	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	954571	93.540	ng	-0.01
79) Terphenyl-d14	12.904	244	1162048	95.750	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.551	88	75727	36.218	ng	95
3) Pyridine	3.281	79	189020	37.521	ng	95
4) n-Nitrosodimethylamine	3.228	42	144996	50.383	ng	83
6) Aniline	6.451	93	193758	37.847	ng	# 5
8) 2-Chlorophenol	6.581	128	240737	47.243	ng	96
9) Benzaldehyde	6.339	77	21533	6.147	ng	97
10) Phenol	6.445	94	287555	44.852	ng	# 68
11) bis(2-Chloroethyl)ether	6.528	93	216614	44.066	ng	99
12) 1,3-Dichlorobenzene	6.728	146	251649	44.789	ng	98
13) 1,4-Dichlorobenzene	6.810	146	262713	46.544	ng	100
14) 1,2-Dichlorobenzene	6.957	146	245753	46.497	ng	99
15) Benzyl Alcohol	6.934	79	214068	51.793	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.063	45	367278	42.966	ng	59
17) 2-Methylphenol	7.051	107	185339	44.752	ng	# 92
18) Hexachloroethane	7.304	117	99805	47.931	ng	97
19) n-Nitroso-di-n-propyla...	7.204	70	168244	46.816	ng	100
20) 3+4-Methylphenols	7.204	107	239419	47.083	ng	93
22) Acetophenone	7.198	105	333018	49.051	ng	99
24) Nitrobenzene	7.375	77	257434	45.849	ng	99
25) Isophorone	7.610	82	442481	47.245	ng	99
26) 2-Nitrophenol	7.692	139	127059	47.983	ng	96
27) 2,4-Dimethylphenol	7.733	122	184581m	54.764	ng	
28) bis(2-Chloroethoxy)met...	7.822	93	262769	43.985	ng	99
29) 2,4-Dichlorophenol	7.939	162	197168	47.784	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	213686	45.347	ng	99
31) Naphthalene	8.092	128	691208	45.810	ng	100
32) Benzoic acid	7.857	122	138729	44.774	ng	95
33) 4-Chloroaniline	8.145	127	109963	21.491	ng	98
34) Hexachlorobutadiene	8.210	225	136347	49.340	ng	99
35) Caprolactam	8.510	113	62207m	46.162	ng	
36) 4-Chloro-3-methylphenol	8.639	107	217975	49.249	ng	95
37) 2-Methylnaphthalene	8.786	142	450445	46.970	ng	99
38) 1-Methylnaphthalene	8.886	142	421785	44.773	ng	100
40) 1,2,4,5-Tetrachloroben...	8.951	216	213361	47.747	ng	98
41) Hexachlorocyclopentadiene	8.939	237	243063	184.182	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	139484	47.690	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141439.D
Acq On : 05 Feb 2025 11:47
Operator : RC/JU
Sample : PB166294BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 05 12:09:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	148386	46.613	ng	98
46) 1,1'-Biphenyl	9.251	154	568607	46.418	ng	99
47) 2-Chloronaphthalene	9.275	162	426849	44.705	ng	99
48) 2-Nitroaniline	9.375	65	147311	49.051	ng	95
49) Acenaphthylene	9.692	152	656250	49.100	ng	100
50) Dimethylphthalate	9.557	163	504634	47.568	ng	100
51) 2,6-Dinitrotoluene	9.616	165	110496	44.859	ng	94
52) Acenaphthene	9.863	154	510747m	53.490	ng	
53) 3-Nitroaniline	9.786	138	65366	27.076	ng	95
54) 2,4-Dinitrophenol	9.898	184	130643	114.095	ng	90
55) Dibenzofuran	10.039	168	602805	47.164	ng	97
56) 4-Nitrophenol	9.969	139	181575	102.840	ng	89
57) 2,4-Dinitrotoluene	10.022	165	157833	49.490	ng	91
58) Fluorene	10.380	166	482443	48.663	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.157	232	128565m	51.336	ng	
60) Diethylphthalate	10.257	149	500958	48.702	ng	99
61) 4-Chlorophenyl-phenyle...	10.374	204	233801	48.279	ng	98
62) 4-Nitroaniline	10.404	138	114882	48.402	ng	90
63) Azobenzene	10.533	77	481359	46.750	ng	98
65) 4,6-Dinitro-2-methylph...	10.433	198	91087	57.286	ng	100
66) n-Nitrosodiphenylamine	10.492	169	421404	48.468	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	145703	48.415	ng	99
68) Hexachlorobenzene	10.927	284	153026	47.936	ng	99
69) Atrazine	11.022	200	152376	52.417	ng	99
70) Pentachlorophenol	11.127	266	193550	103.538	ng	99
71) Phenanthrene	11.345	178	743871	51.479	ng	100
72) Anthracene	11.392	178	758044	53.540	ng	99
73) Carbazole	11.551	167	665174	52.983	ng	99
74) Di-n-butylphthalate	11.880	149	783458	51.494	ng	99
75) Fluoranthene	12.533	202	792604	55.552	ng	98
77) Benzidine	12.657	184	173242	28.873	ng	99
78) Pyrene	12.763	202	824927	45.916	ng	99
80) Butylbenzylphthalate	13.380	149	311075	49.562	ng	99
81) Benzo(a)anthracene	13.951	228	637983	49.397	ng	99
82) 3,3'-Dichlorobenzidine	13.915	252	98974	24.095	ng	98
83) Chrysene	13.992	228	562189	47.496	ng	100
84) Bis(2-ethylhexyl)phtha...	13.945	149	403170	50.636	ng	99
85) Di-n-octyl phthalate	14.574	149	602500	48.720	ng	98
87) Indeno(1,2,3-cd)pyrene	16.880	276	538149	50.861	ng	95
88) Benzo(b)fluoranthene	15.009	252	498092	48.302	ng	98
89) Benzo(k)fluoranthene	15.039	252	472495	51.723	ng	98
90) Benzo(a)pyrene	15.368	252	461267	52.934	ng	98
91) Dibenzo(a,h)anthracene	16.898	278	435153	51.119	ng	96
92) Benzo(g,h,i)perylene	17.315	276	407221	46.007	ng	96

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

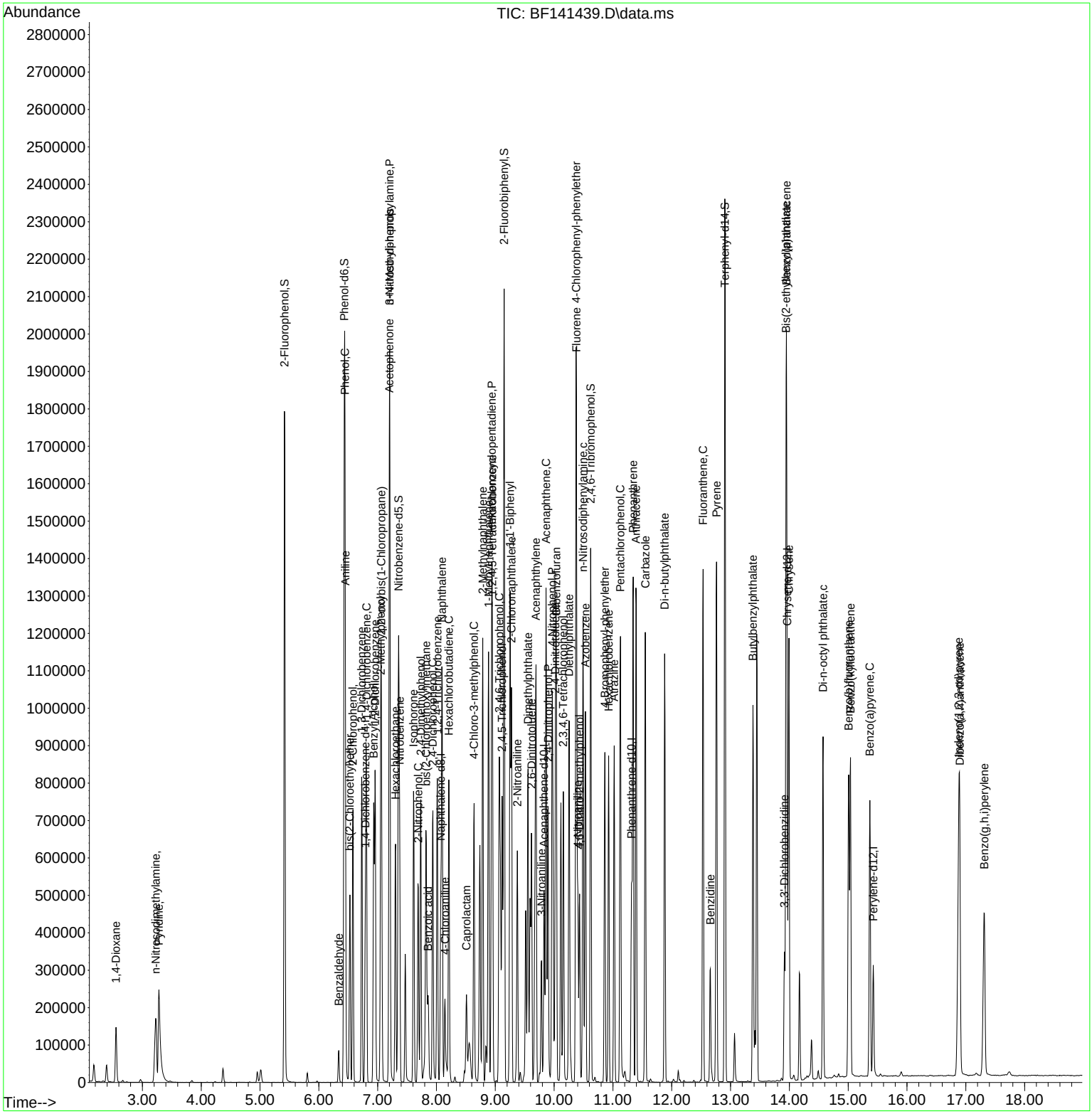
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141439.D
Acq On : 05 Feb 2025 11:47
Operator : RC/JU
Sample : PB166294BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 05 12:09:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166294BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



Sample Results: **BF141442.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141442.D
Acq On : 05 Feb 2025 13:05
Operator : RC/JU
Sample : PB166339BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 05 13:33:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166339BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	69540	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	272946	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	150801	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	258651	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	176386	20.000	ng	#-0.01
86) Perylene-d12	15.421	264	154350	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	614151	135.583	ng	0.00
7) Phenol-d6	6.434	99	746861	129.610	ng	0.00
23) Nitrobenzene-d5	7.357	82	499029	96.382	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	210807	152.483	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	926554	94.571	ng	-0.01
79) Terphenyl-d14	12.904	244	1091228	95.409	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.552	88	75743	38.021	ng	96
3) Pyridine	3.281	79	192561	40.118	ng	97
4) n-Nitrosodimethylamine	3.228	42	143225	52.234	ng	84
6) Aniline	6.451	93	185188	37.966	ng	# 3
8) 2-Chlorophenol	6.581	128	238573	49.139	ng	96
9) Benzaldehyde	6.340	77	22504	6.742	ng	98
10) Phenol	6.445	94	283733	46.450	ng	# 68
11) bis(2-Chloroethyl)ether	6.528	93	214452	45.788	ng	99
12) 1,3-Dichlorobenzene	6.728	146	252480	47.164	ng	99
13) 1,4-Dichlorobenzene	6.810	146	258437	48.056	ng	99
14) 1,2-Dichlorobenzene	6.957	146	242260	48.108	ng	98
15) Benzyl Alcohol	6.934	79	210947	53.568	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.063	45	366624	45.016	ng	59
17) 2-Methylphenol	7.051	107	183589	46.527	ng	# 92
18) Hexachloroethane	7.298	117	98645	49.722	ng	98
19) n-Nitroso-di-n-propyla...	7.204	70	162704	47.519	ng	98
20) 3+4-Methylphenols	7.204	107	237802	49.083	ng	93
22) Acetophenone	7.198	105	328523	50.636	ng	99
24) Nitrobenzene	7.375	77	252507	47.060	ng	99
25) Isophorone	7.610	82	435211	48.627	ng	98
26) 2-Nitrophenol	7.692	139	126860	50.132	ng	95
27) 2,4-Dimethylphenol	7.734	122	183402m	56.941	ng	
28) bis(2-Chloroethoxy)met...	7.822	93	262284	45.943	ng	99
29) 2,4-Dichlorophenol	7.939	162	193147	48.983	ng	100
30) 1,2,4-Trichlorobenzene	8.016	180	212618	47.216	ng	100
31) Naphthalene	8.092	128	695787	48.255	ng	100
32) Benzoic acid	7.857	122	138989	46.941	ng	93
33) 4-Chloroaniline	8.145	127	95992	19.632	ng	99
34) Hexachlorobutadiene	8.210	225	134966	51.108	ng	99
35) Caprolactam	8.510	113	60244m	46.782	ng	
36) 4-Chloro-3-methylphenol	8.639	107	214446	50.702	ng	97
37) 2-Methylnaphthalene	8.786	142	446519	48.723	ng	100
38) 1-Methylnaphthalene	8.886	142	415934	46.203	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	210589	49.087	ng	99
41) Hexachlorocyclopentadiene	8.939	237	239778	189.249	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	137710	49.041	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141442.D
Acq On : 05 Feb 2025 13:05
Operator : RC/JU
Sample : PB166339BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 05 13:33:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166339BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	146793	48.031	ng		97
46) 1,1'-Biphenyl	9.251	154	558776	47.512	ng		98
47) 2-Chloronaphthalene	9.275	162	420321	45.853	ng		98
48) 2-Nitroaniline	9.375	65	145851	50.584	ng		96
49) Acenaphthylene	9.692	152	652197	50.826	ng		99
50) Dimethylphthalate	9.557	163	496367	48.735	ng		100
51) 2,6-Dinitrotoluene	9.616	165	111896	47.316	ng		96
52) Acenaphthene	9.863	154	505025m	55.091	ng		
53) 3-Nitroaniline	9.786	138	61079	26.352	ng		99
54) 2,4-Dinitrophenol	9.898	184	123829	112.642	ng		90
55) Dibenzofuran	10.033	168	601794	49.043	ng		96
56) 4-Nitrophenol	9.963	139	178017	105.019	ng		89
57) 2,4-Dinitrotoluene	10.022	165	156908	51.247	ng		93
58) Fluorene	10.380	166	479929	50.423	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	130782	54.393	ng		97
60) Diethylphthalate	10.257	149	490998	49.719	ng		99
61) 4-Chlorophenyl-phenyle...	10.369	204	230375	49.550	ng		96
62) 4-Nitroaniline	10.404	138	112393	49.323	ng		90
63) Azobenzene	10.533	77	478034	48.358	ng		97
65) 4,6-Dinitro-2-methylph...	10.433	198	91072	59.527	ng		99
66) n-Nitrosodiphenylamine	10.492	169	414035	49.492	ng		99
67) 4-Bromophenyl-phenylether	10.863	248	141524	48.874	ng		100
68) Hexachlorobenzene	10.928	284	152677	49.706	ng		99
69) Atrazine	11.022	200	146281	52.298	ng		98
70) Pentachlorophenol	11.127	266	182937	101.707	ng		99
71) Phenanthrene	11.345	178	723012	52.002	ng		99
72) Anthracene	11.392	178	742686	54.517	ng		100
73) Carbazole	11.551	167	649712	53.785	ng		99
74) Di-n-butylphthalate	11.880	149	753424	51.466	ng		100
75) Fluoranthene	12.533	202	760403	55.390	ng		97
77) Benzidine	12.651	184	162405	28.721	ng		99
78) Pyrene	12.763	202	786061	46.426	ng		99
80) Butylbenzylphthalate	13.380	149	297386	50.276	ng		99
81) Benzo(a)anthracene	13.951	228	591257	48.577	ng		99
82) 3,3'-Dichlorobenzidine	13.916	252	89685	23.167	ng		97
83) Chrysene	13.986	228	561085	50.299	ng		100
84) Bis(2-ethylhexyl)phtha...	13.945	149	377988	50.375	ng		99
85) Di-n-octyl phthalate	14.568	149	576416	49.459	ng		98
87) Indeno(1,2,3-cd)pyrene	16.874	276	522744	52.473	ng		96
88) Benzo(b)fluoranthene	15.004	252	493180	50.796	ng		98
89) Benzo(k)fluoranthene	15.033	252	460679	53.561	ng		99
90) Benzo(a)pyrene	15.363	252	453060	55.220	ng		98
91) Dibenzo(a,h)anthracene	16.886	278	419457	52.335	ng		97
92) Benzo(g,h,i)perylene	17.304	276	390761	46.889	ng	#	95

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

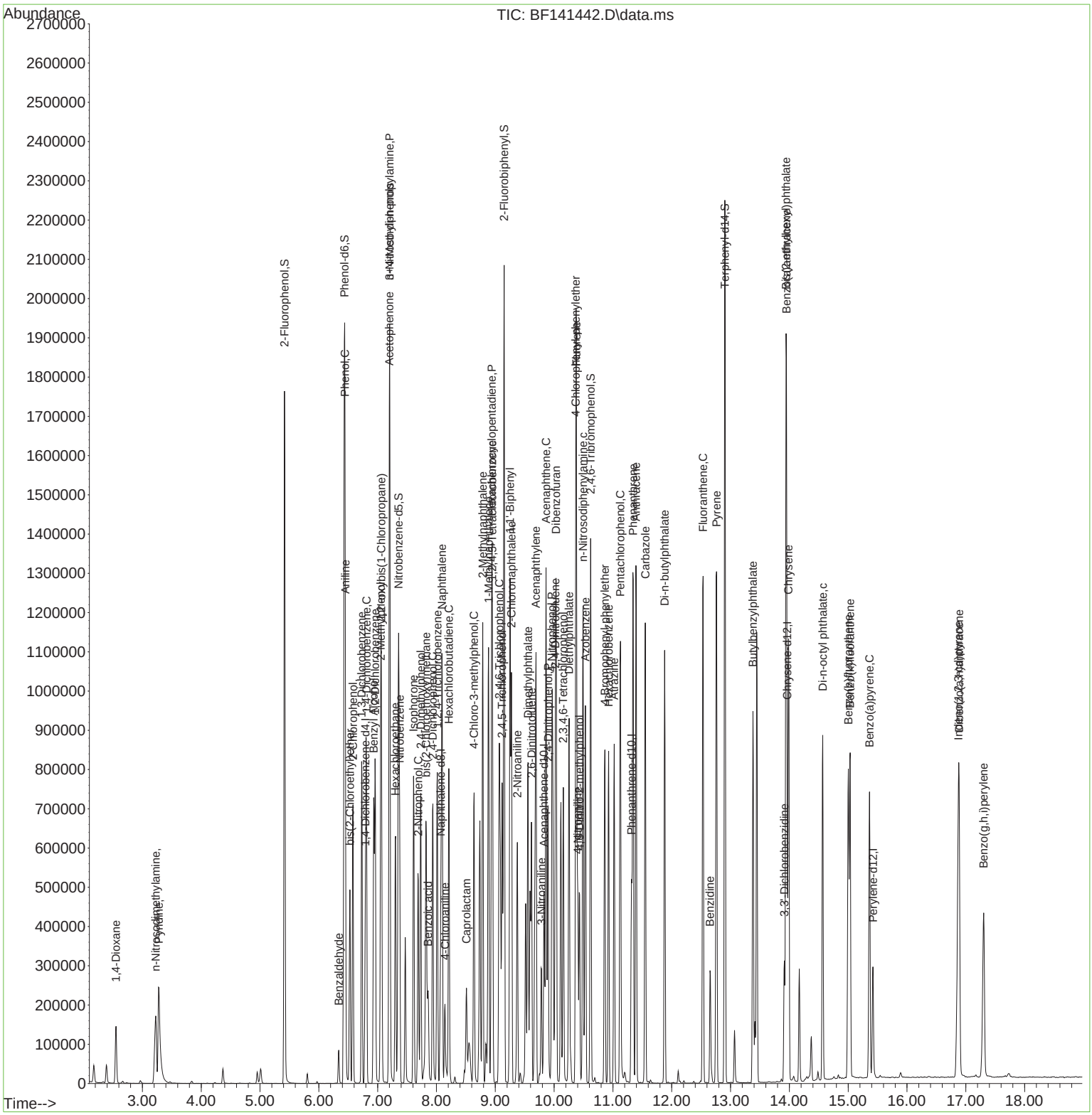
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141442.D
Acq On : 05 Feb 2025 13:05
Operator : RC/JU
Sample : PB166339BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 05 13:33:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166339BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



Sample Results: **BF141443.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141443.D
Acq On : 05 Feb 2025 13:31
Operator : RC/JU
Sample : PB166339BSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 05 14:26:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	70045	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	272862	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	147235	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	252391	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	168766	20.000	ng	#-0.01
86) Perylene-d12	15.427	264	154833	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	598208	131.111	ng	0.00
7) Phenol-d6	6.434	99	718440	123.779	ng	0.00
23) Nitrobenzene-d5	7.351	82	481799	93.083	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	203760	150.955	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	893097	93.364	ng	-0.01
79) Terphenyl-d14	12.904	244	1055500	96.452	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.552	88	74151	36.953	ng	97
3) Pyridine	3.275	79	186375	38.549	ng	96
4) n-Nitrosodimethylamine	3.222	42	137763	49.880	ng	84
6) Aniline	6.451	93	182325	37.109	ng	# 11
8) 2-Chlorophenol	6.581	128	233395	47.726	ng	95
9) Benzaldehyde	6.340	77	20938	6.228	ng	98
10) Phenol	6.446	94	269901	43.867	ng	# 68
11) bis(2-Chloroethyl)ether	6.528	93	208053	44.102	ng	98
12) 1,3-Dichlorobenzene	6.728	146	245484	45.527	ng	99
13) 1,4-Dichlorobenzene	6.810	146	249121	45.990	ng	100
14) 1,2-Dichlorobenzene	6.957	146	234274	46.187	ng	98
15) Benzyl Alcohol	6.934	79	203176	51.222	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.063	45	352997	43.030	ng	63
17) 2-Methylphenol	7.051	107	176532	44.416	ng	# 92
18) Hexachloroethane	7.298	117	93989	47.034	ng	98
19) n-Nitroso-di-n-propyla...	7.204	70	160722	46.601	ng	99
20) 3+4-Methylphenols	7.204	107	230779	47.290	ng	95
22) Acetophenone	7.198	105	324107	49.971	ng	99
24) Nitrobenzene	7.375	77	244028	45.494	ng	100
25) Isophorone	7.610	82	425288	47.533	ng	98
26) 2-Nitrophenol	7.687	139	120895	47.790	ng	91
27) 2,4-Dimethylphenol	7.734	122	176837m	54.920	ng	
28) bis(2-Chloroethoxy)met...	7.822	93	253960	44.498	ng	98
29) 2,4-Dichlorophenol	7.940	162	189017	47.951	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	205082	45.556	ng	99
31) Naphthalene	8.092	128	665370	46.160	ng	100
32) Benzoic acid	7.857	122	136403	46.082	ng	95
33) 4-Chloroaniline	8.145	127	89922	18.396	ng	99
34) Hexachlorobutadiene	8.210	225	130656	49.491	ng	99
35) Caprolactam	8.510	113	59577m	46.278	ng	
36) 4-Chloro-3-methylphenol	8.639	107	207462	49.066	ng	97
37) 2-Methylnaphthalene	8.787	142	433820	47.352	ng	100
38) 1-Methylnaphthalene	8.887	142	406864	45.209	ng	99
40) 1,2,4,5-Tetrachloroben...	8.951	216	203516	48.587	ng	98
41) Hexachlorocyclopentadiene	8.939	237	230786	186.564	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	132009	48.150	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141443.D
Acq On : 05 Feb 2025 13:31
Operator : RC/JU
Sample : PB166339BSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 05 14:26:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	139507	46.752	ng	97
46) 1,1'-Biphenyl	9.251	154	537519	46.812	ng	98
47) 2-Chloronaphthalene	9.275	162	408115	45.599	ng	99
48) 2-Nitroaniline	9.375	65	139818	49.666	ng	98
49) Acenaphthylene	9.692	152	626340	49.994	ng	100
50) Dimethylphthalate	9.557	163	483574	48.629	ng	100
51) 2,6-Dinitrotoluene	9.616	165	107574	46.591	ng	96
52) Acenaphthene	9.863	154	486518m	54.358	ng	
53) 3-Nitroaniline	9.786	138	60739	26.840	ng	99
54) 2,4-Dinitrophenol	9.898	184	121360	113.070	ng	91
55) Dibenzofuran	10.034	168	581677	48.552	ng	96
56) 4-Nitrophenol	9.963	139	169841	102.622	ng	88
57) 2,4-Dinitrotoluene	10.022	165	149593	50.041	ng	93
58) Fluorene	10.381	166	459804	49.478	ng	97
59) 2,3,4,6-Tetrachlorophenol	10.157	232	125437	53.434	ng	97
60) Diethylphthalate	10.257	149	474765	49.239	ng	99
61) 4-Chlorophenyl-phenyle...	10.369	204	223335	49.199	ng	95
62) 4-Nitroaniline	10.398	138	106731	47.972	ng	87
63) Azobenzene	10.533	77	462094	47.878	ng	97
65) 4,6-Dinitro-2-methylph...	10.433	198	85087	56.995	ng	98
66) n-Nitrosodiphenylamine	10.492	169	405060	49.620	ng	100
67) 4-Bromophenyl-phenylether	10.863	248	138180	48.903	ng	98
68) Hexachlorobenzene	10.928	284	146924	49.019	ng	99
69) Atrazine	11.022	200	142247	52.117	ng	99
70) Pentachlorophenol	11.128	266	178140	101.496	ng	99
71) Phenanthrene	11.345	178	703261	51.836	ng	100
72) Anthracene	11.392	178	718705	54.065	ng	99
73) Carbazole	11.551	167	626248	53.128	ng	99
74) Di-n-butylphthalate	11.880	149	734688	51.430	ng	99
75) Fluoranthene	12.533	202	740295	55.263	ng	98
77) Benzidine	12.651	184	152405	28.169	ng	99
78) Pyrene	12.763	202	752575	46.455	ng	100
80) Butylbenzylphthalate	13.380	149	285734	50.487	ng	99
81) Benzo(a)anthracene	13.951	228	549332	47.170	ng	99
82) 3,3'-Dichlorobenzidine	13.916	252	87185	23.538	ng	99
83) Chrysene	13.992	228	525550	49.241	ng	99
84) Bis(2-ethylhexyl)phtha...	13.945	149	359351	50.053	ng	99
85) Di-n-octyl phthalate	14.574	149	539172	48.352	ng	98
87) Indeno(1,2,3-cd)pyrene	16.880	276	507144	50.748	ng	95
88) Benzo(b)fluoranthene	15.010	252	452259	46.436	ng	98
89) Benzo(k)fluoranthene	15.039	252	454887	52.723	ng	98
90) Benzo(a)pyrene	15.368	252	436814	53.074	ng	98
91) Dibenzo(a,h)anthracene	16.898	278	403526	50.190	ng	97
92) Benzo(g,h,i)perylene	17.315	276	376155	44.995	ng	94

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

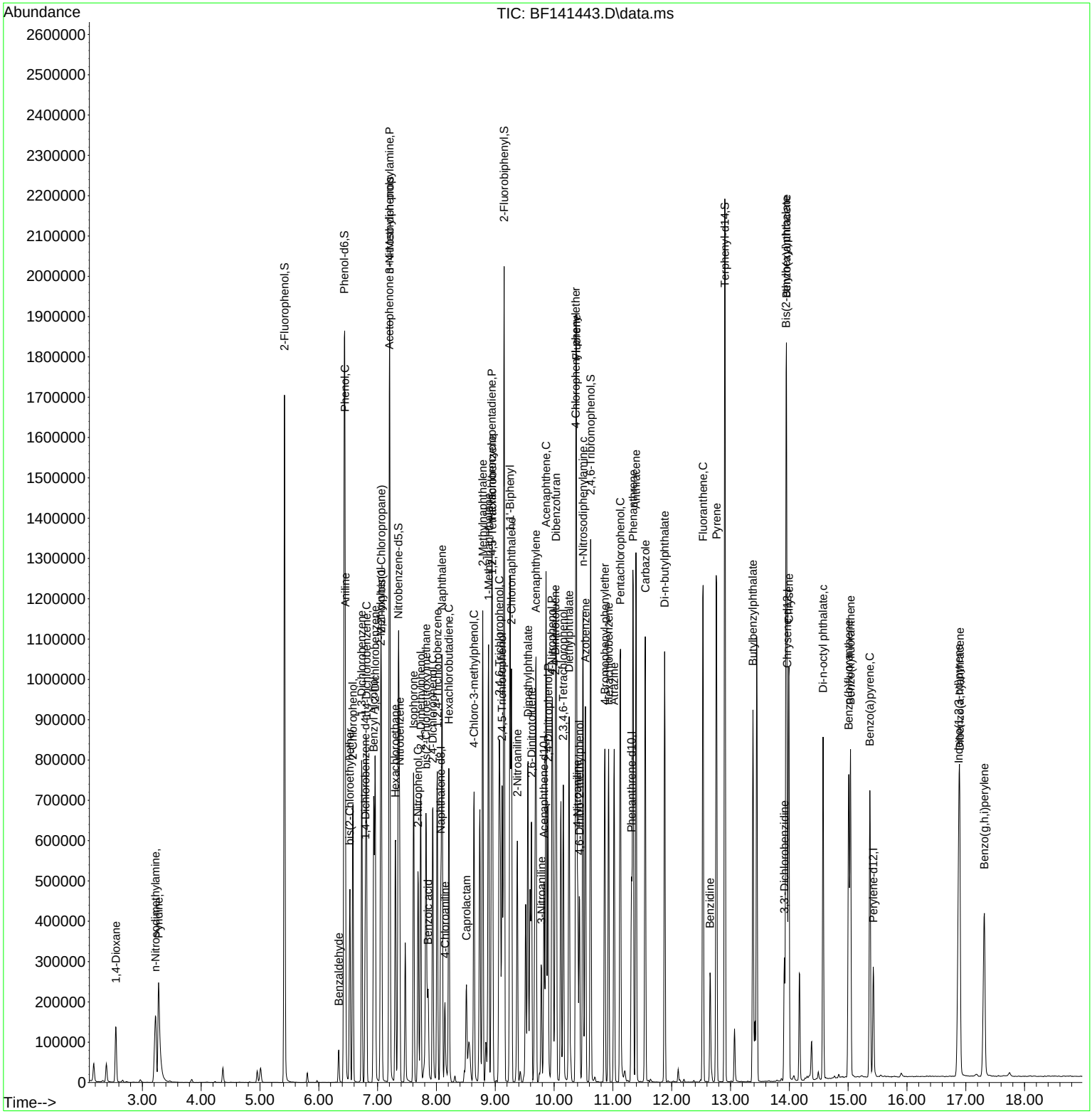
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141443.D
Acq On : 05 Feb 2025 13:31
Operator : RC/JU
Sample : PB166339BSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 05 14:26:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166339BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141352.D
Acq On : 01 Feb 2025 00:30
Operator : RC/JU
Sample : Q1194-04MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 01 00:57:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.798	152	160040	20.000	ng		0.00
21) Naphthalene-d8	8.081	136	632082	20.000	ng		0.00
39) Acenaphthene-d10	9.839	164	327389	20.000	ng		0.00
64) Phenanthrene-d10	11.327	188	478396	20.000	ng		0.00
76) Chrysene-d12	13.968	240	306959	20.000	ng		0.00
86) Perylene-d12	15.421	264	307907	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.428	112	969013	92.954	ng		0.02
7) Phenol-d6	6.445	99	1208293	91.113	ng		0.00
23) Nitrobenzene-d5	7.363	82	781915	65.213	ng		0.00
42) 2,4,6-Tribromophenol	10.633	330	276769	92.213	ng		0.00
45) 2-Fluorobiphenyl	9.157	172	1314061	61.779	ng		0.00
79) Terphenyl-d14	12.910	244	1045873	52.545	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.563	88	170887	37.273	ng		98
3) Pyridine	3.293	79	440465	39.874	ng		100
4) n-Nitrosodimethylamine	3.246	42	271271	42.988	ng		97
6) Aniline	6.463	93	364816	32.498	ng	#	20
8) 2-Chlorophenol	6.592	128	479903	42.950	ng		97
9) Benzaldehyde	6.345	77	49148	6.398	ng		98
10) Phenol	6.457	94	579286	41.207	ng		77
11) bis(2-Chloroethyl)ether	6.534	93	467010	43.327	ng		100
12) 1,3-Dichlorobenzene	6.739	146	489696	39.748	ng		99
13) 1,4-Dichlorobenzene	6.816	146	495491	40.035	ng		100
14) 1,2-Dichlorobenzene	6.969	146	474188	40.916	ng		99
15) Benzyl Alcohol	6.945	79	408281	45.050	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.075	45	760918	40.597	ng		55
17) 2-Methylphenol	7.069	107	369947	40.738	ng	#	89
18) Hexachloroethane	7.310	117	183972	40.294	ng		99
19) n-Nitroso-di-n-propyla...	7.216	70	329084	41.762	ng		98
20) 3+4-Methylphenols	7.222	107	478463	42.911	ng	#	76
22) Acetophenone	7.210	105	641459	42.694	ng	#	95
24) Nitrobenzene	7.386	77	502528	40.443	ng		98
25) Isophorone	7.622	82	892320	43.053	ng		99
26) 2-Nitrophenol	7.698	139	255094	43.531	ng		99
27) 2,4-Dimethylphenol	7.745	122	373741m	50.107	ng		
28) bis(2-Chloroethoxy)met...	7.834	93	555377	42.009	ng		99
29) 2,4-Dichlorophenol	7.951	162	391067	42.827	ng		99
30) 1,2,4-Trichlorobenzene	8.022	180	407421	39.069	ng		100
31) Naphthalene	8.104	128	1339613	40.119	ng		100
32) Benzoic acid	7.875	122	293276	42.771	ng		98
33) 4-Chloroaniline	8.151	127	99598	8.796	ng		99
34) Hexachlorobutadiene	8.222	225	237412	38.821	ng		100
35) Caprolactam	8.522	113	129509m	43.427	ng		
36) 4-Chloro-3-methylphenol	8.651	107	412298	42.094	ng		97
37) 2-Methylnaphthalene	8.792	142	875724	41.263	ng		99
38) 1-Methylnaphthalene	8.892	142	807610	38.739	ng		100
40) 1,2,4,5-Tetrachloroben...	8.963	216	390961	41.976	ng		99
41) Hexachlorocyclopentadiene	8.945	237	368408	133.935	ng		100
43) 2,4,6-Trichlorophenol	9.081	196	264141	43.328	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141352.D
Acq On : 01 Feb 2025 00:30
Operator : RC/JU
Sample : Q1194-04MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 01 00:57:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	284388	42.861	ng	99
46) 1,1'-Biphenyl	9.263	154	1070294	41.919	ng	99
47) 2-Chloronaphthalene	9.286	162	799380	40.168	ng	99
48) 2-Nitroaniline	9.380	65	272485	43.530	ng	97
49) Acenaphthylene	9.698	152	1222120	43.870	ng	100
50) Dimethylphthalate	9.563	163	969748	43.857	ng	99
51) 2,6-Dinitrotoluene	9.628	165	211898	41.273	ng	98
52) Acenaphthene	9.875	154	917466	46.100	ng	99
53) 3-Nitroaniline	9.792	138	138426	27.509	ng	98
54) 2,4-Dinitrophenol	9.904	184	231891	97.163	ng	98
55) Dibenzofuran	10.045	168	1102981	41.404	ng	99
56) 4-Nitrophenol	9.975	139	270862	73.603	ng	98
57) 2,4-Dinitrotoluene	10.028	165	279789	42.091	ng	99
58) Fluorene	10.386	166	817762	39.575	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.169	232	230657	44.188	ng	99
60) Diethylphthalate	10.263	149	923514	43.075	ng	99
61) 4-Chlorophenyl-phenyle...	10.380	204	406500	40.273	ng	100
62) 4-Nitroaniline	10.410	138	185463	37.489	ng	99
63) Azobenzene	10.539	77	946700	44.113	ng	99
65) 4,6-Dinitro-2-methylph...	10.433	198	154803	54.706	ng	97
66) n-Nitrosodiphenylamine	10.498	169	738221	47.710	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	252992	47.237	ng	98
68) Hexachlorobenzene	10.933	284	255828	45.031	ng	100
69) Atrazine	11.027	200	238034	46.011	ng	99
70) Pentachlorophenol	11.133	266	276016	82.968	ng	99
71) Phenanthrene	11.351	178	1120034	43.554	ng	99
72) Anthracene	11.404	178	1134234	45.015	ng	100
73) Carbazole	11.557	167	910483	40.751	ng	99
74) Di-n-butylphthalate	11.892	149	1240476	45.813	ng	100
75) Fluoranthene	12.539	202	994575	39.170	ng	100
77) Benzidine	12.663	184	201472	20.474	ng	100
78) Pyrene	12.769	202	1010968	34.311	ng	100
80) Butylbenzylphthalate	13.392	149	424703	41.258	ng	99
81) Benzo(a)anthracene	13.957	228	859366	40.571	ng	99
82) 3,3'-Dichlorobenzidine	13.921	252	198790	29.508	ng	100
83) Chrysene	13.992	228	854492	44.017	ng	99
84) Bis(2-ethylhexyl)phtha...	13.951	149	557866	42.722	ng	99
85) Di-n-octyl phthalate	14.568	149	1017675	50.177	ng	100
87) Indeno(1,2,3-cd)pyrene	16.862	276	688611	34.650	ng	99
88) Benzo(b)fluoranthene	15.004	252	913150	47.147	ng	99
89) Benzo(k)fluoranthene	15.033	252	811049	47.270	ng	100
90) Benzo(a)pyrene	15.362	252	781518	47.750	ng	99
91) Dibenzo(a,h)anthracene	16.886	278	561271	35.104	ng	100
92) Benzo(g,h,i)perylene	17.298	276	497253	29.910	ng	98

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

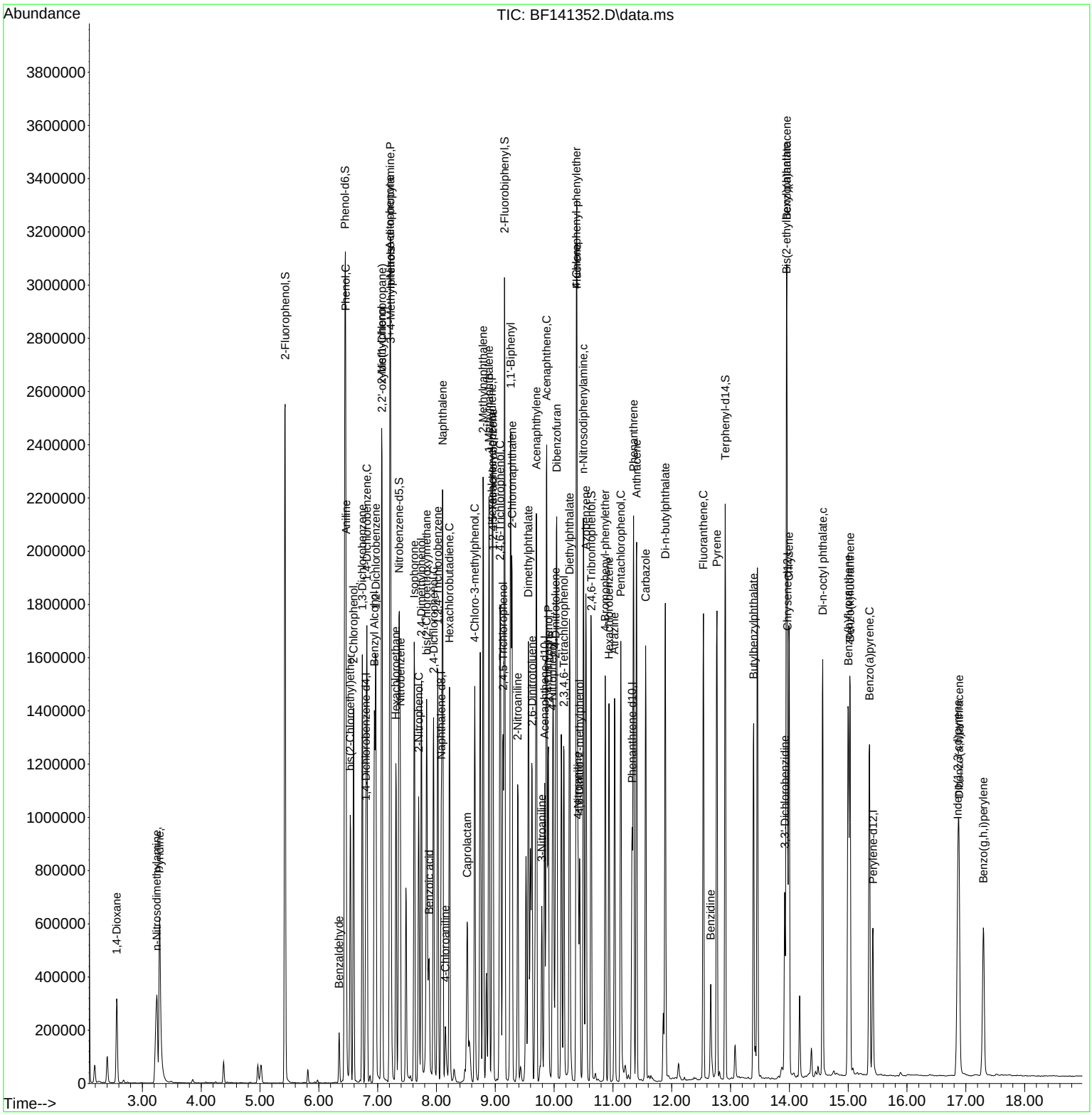
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141352.D
Acq On : 01 Feb 2025 00:30
Operator : RC/JU
Sample : Q1194-04MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Feb 01 00:57:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141353.D
Acq On : 01 Feb 2025 00:57
Operator : RC/JU
Sample : Q1194-04MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 01 01:28:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.798	152	149676	20.000	ng		0.00
21) Naphthalene-d8	8.081	136	589897	20.000	ng		0.00
39) Acenaphthene-d10	9.839	164	304724	20.000	ng		0.00
64) Phenanthrene-d10	11.327	188	446574	20.000	ng		0.00
76) Chrysene-d12	13.968	240	289652	20.000	ng		0.00
86) Perylene-d12	15.415	264	291978	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.422	112	904843	92.808	ng		0.01
7) Phenol-d6	6.445	99	1106069	89.179	ng		0.00
23) Nitrobenzene-d5	7.363	82	719805	64.326	ng		0.00
42) 2,4,6-Tribromophenol	10.627	330	248253	88.864	ng		0.00
45) 2-Fluorobiphenyl	9.157	172	1206163	60.924	ng		0.00
79) Terphenyl-d14	12.910	244	937270	49.903	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.563	88	156245	36.439	ng		99
3) Pyridine	3.287	79	402004	38.912	ng		99
4) n-Nitrosodimethylamine	3.240	42	247827	41.992	ng		96
6) Aniline	6.463	93	360976	34.383	ng	#	32
8) 2-Chlorophenol	6.592	128	444161	42.504	ng		96
9) Benzaldehyde	6.345	77	45965	6.398	ng		99
10) Phenol	6.457	94	539453	41.031	ng		76
11) bis(2-Chloroethyl)ether	6.534	93	427879	42.445	ng		99
12) 1,3-Dichlorobenzene	6.739	146	454158	39.416	ng		99
13) 1,4-Dichlorobenzene	6.816	146	459392	39.688	ng		100
14) 1,2-Dichlorobenzene	6.969	146	436553	40.277	ng		99
15) Benzyl Alcohol	6.945	79	372341	43.929	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.075	45	710017	40.504	ng		57
17) 2-Methylphenol	7.069	107	337228	39.707	ng	#	88
18) Hexachloroethane	7.310	117	170674	39.969	ng		99
19) n-Nitroso-di-n-propyla...	7.216	70	306652	41.610	ng		97
20) 3+4-Methylphenols	7.222	107	440708	42.262	ng	#	75
22) Acetophenone	7.210	105	585685	41.770	ng	#	95
24) Nitrobenzene	7.381	77	463958	40.009	ng		100
25) Isophorone	7.622	82	813421	42.053	ng		99
26) 2-Nitrophenol	7.698	139	232740	42.556	ng		100
27) 2,4-Dimethylphenol	7.745	122	346152m	49.727	ng		
28) bis(2-Chloroethoxy)met...	7.834	93	514821	41.726	ng		99
29) 2,4-Dichlorophenol	7.951	162	357247	41.921	ng		99
30) 1,2,4-Trichlorobenzene	8.022	180	371686	38.191	ng		99
31) Naphthalene	8.104	128	1241727	39.847	ng		100
32) Benzoic acid	7.869	122	263841	41.230	ng		99
33) 4-Chloroaniline	8.151	127	123735	11.709	ng		98
34) Hexachlorobutadiene	8.222	225	223107	39.091	ng		99
35) Caprolactam	8.522	113	116283	41.781	ng		97
36) 4-Chloro-3-methylphenol	8.651	107	375991	41.132	ng		98
37) 2-Methylnaphthalene	8.792	142	797516	40.265	ng		99
38) 1-Methylnaphthalene	8.892	142	745385	38.311	ng		100
40) 1,2,4,5-Tetrachloroben...	8.963	216	358360	41.338	ng		98
41) Hexachlorocyclopentadiene	8.945	237	330649	129.149	ng		99
43) 2,4,6-Trichlorophenol	9.075	196	241755	42.606	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141353.D
Acq On : 01 Feb 2025 00:57
Operator : RC/JU
Sample : Q1194-04MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 01 01:28:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	253156	40.992	ng	99
46) 1,1'-Biphenyl	9.263	154	982186	41.329	ng	100
47) 2-Chloronaphthalene	9.286	162	729439	39.379	ng	99
48) 2-Nitroaniline	9.380	65	249777	42.870	ng	97
49) Acenaphthylene	9.698	152	1110295	42.820	ng	99
50) Dimethylphthalate	9.563	163	889602	43.224	ng	99
51) 2,6-Dinitrotoluene	9.628	165	193485	40.489	ng	96
52) Acenaphthene	9.875	154	835010	45.077	ng	99
53) 3-Nitroaniline	9.792	138	129295	27.606	ng	100
54) 2,4-Dinitrophenol	9.904	184	209369	94.252	ng	99
55) Dibenzofuran	10.045	168	996364	40.184	ng	99
56) 4-Nitrophenol	9.975	139	241925	70.629	ng	97
57) 2,4-Dinitrotoluene	10.028	165	250886	40.550	ng	99
58) Fluorene	10.386	166	754067	39.206	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.169	232	207765	42.763	ng	100
60) Diethylphthalate	10.263	149	853771	42.784	ng	99
61) 4-Chlorophenyl-phenyle...	10.380	204	372656	39.666	ng	99
62) 4-Nitroaniline	10.410	138	169626	36.838	ng	99
63) Azobenzene	10.539	77	861766	43.142	ng	99
65) 4,6-Dinitro-2-methylph...	10.433	198	138958	52.606	ng	97
66) n-Nitrosodiphenylamine	10.498	169	682753	47.270	ng	100
67) 4-Bromophenyl-phenylether	10.869	248	231795	46.363	ng	98
68) Hexachlorobenzene	10.933	284	234812	44.277	ng	99
69) Atrazine	11.027	200	217252	44.986	ng	99
70) Pentachlorophenol	11.133	266	247008	79.539	ng	100
71) Phenanthrene	11.351	178	1024548	42.680	ng	100
72) Anthracene	11.404	178	1046790	44.505	ng	99
73) Carbazole	11.557	167	823751	39.496	ng	99
74) Di-n-butylphthalate	11.892	149	1147366	45.394	ng	100
75) Fluoranthene	12.539	202	900749	38.002	ng	100
77) Benzidine	12.663	184	210212	22.638	ng	99
78) Pyrene	12.769	202	916947	32.979	ng	99
80) Butylbenzylphthalate	13.392	149	384203	39.554	ng	98
81) Benzo(a)anthracene	13.957	228	792710	39.660	ng	99
82) 3,3'-Dichlorobenzidine	13.921	252	198260	31.187	ng	99
83) Chrysene	13.992	228	786189	42.919	ng	100
84) Bis(2-ethylhexyl)phtha...	13.951	149	510215	41.407	ng	99
85) Di-n-octyl phthalate	14.568	149	922363	48.195	ng	99
87) Indeno(1,2,3-cd)pyrene	16.862	276	647446	34.356	ng	99
88) Benzo(b)fluoranthene	14.998	252	782728	42.618	ng	99
89) Benzo(k)fluoranthene	15.027	252	810825m	49.835	ng	
90) Benzo(a)pyrene	15.357	252	732096	47.170	ng	99
91) Dibenzo(a,h)anthracene	16.880	278	524247	34.578	ng	99
92) Benzo(g,h,i)perylene	17.298	276	466835	29.613	ng	99

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

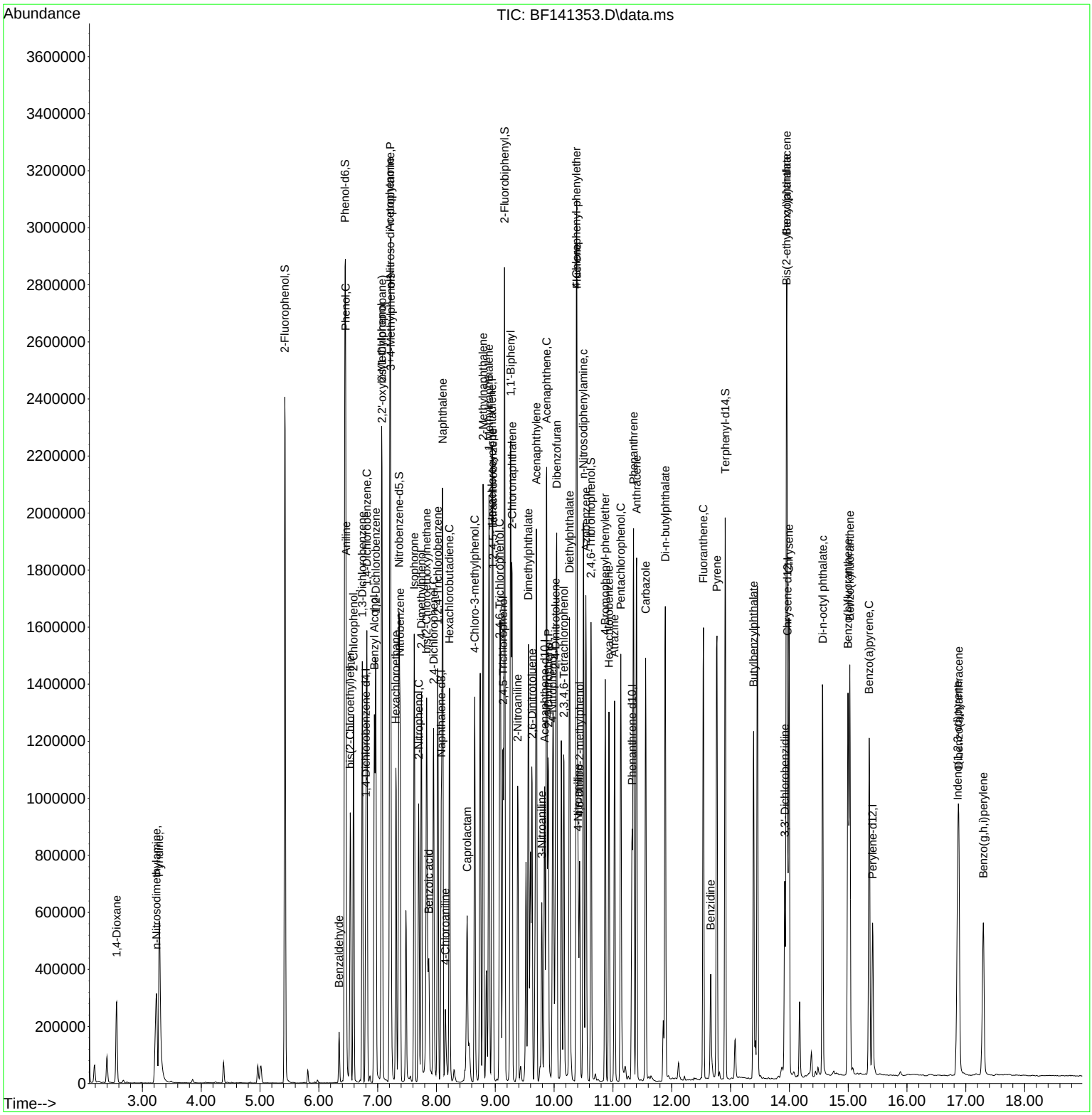
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141353.D
Acq On : 01 Feb 2025 00:57
Operator : RC/JU
Sample : Q1194-04MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 01 01:28:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-113-SB02MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



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

Manual Integration Report

Sequence:	BF012925	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF141292.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:04 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC020	BF141293.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:07 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC050	BF141295.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:10 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC060	BF141296.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:13 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICC060	BF141296.D	Benzoic acid	yogesh	1/30/2025 7:49:13 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software
SSTDICV040	BF141298.D	2,4-Dimethylphenol	yogesh	1/30/2025 7:49:17 AM	mohammad	2/4/2025 7:21:59 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bf013025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141317.D	2,4-Dimethylphenol	yogesh	1/31/2025 6:32:18 AM	mohammad	1/31/2025 6:41:15 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF013125	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141319.D	2,4-Dimethylphenol	Jagrut	2/3/2025 3:34:12 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
SSTDCCC040	BF141334.D	2,4-Dimethylphenol	Jagrut	2/3/2025 3:34:53 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
SSTDCCC040	BF141334.D	Benzoic acid	Jagrut	2/3/2025 3:34:53 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1194-04MS	BF141352.D	2,4-Dimethylphenol	Jagrut	2/3/2025 3:35:26 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1194-04MS	BF141352.D	Caprolactam	Jagrut	2/3/2025 3:35:26 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1194-04MSD	BF141353.D	2,4-Dimethylphenol	Jagrut	2/3/2025 3:40:23 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software
Q1194-04MSD	BF141353.D	Benzo(k)fluoranthene	Jagrut	2/3/2025 3:40:23 PM	mohammad	2/4/2025 7:22:32 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bf020325	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141361.D	2,4-Dimethylphenol	Jagrut	2/4/2025 4:42:01 PM	mohammad	2/6/2025 8:40:16 AM	Peak Integrated by Software
SSTDCCC040	BF141373.D	2,4-Dimethylphenol	Jagrut	2/4/2025 4:42:09 PM	mohammad	2/6/2025 8:40:16 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bf020425	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141398.D	2,4-Dimethylphenol	yogesh	2/5/2025 9:09:09 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
SSTDCCC040	BF141398.D	n-Nitrosodimethylamine	yogesh	2/5/2025 9:09:09 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
SSTDCCC040	BF141410.D	2,4-Dimethylphenol	yogesh	2/5/2025 9:09:18 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
SSTDCCC040	BF141410.D	n-Nitrosodimethylamine	yogesh	2/5/2025 9:09:18 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software
Q1194-03	BF141424.D	Benzo(b)fluoranthene	yogesh	2/5/2025 9:09:26 AM	mohammad	2/5/2025 9:47:32 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF020525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141435.D	2,4-Dimethylphenol	yogesh	2/6/2025 7:43:50 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
SSTDCCC040	BF141435.D	n-Nitrosodimethylamine	yogesh	2/6/2025 7:43:50 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166294BS	BF141439.D	2,3,4,6-Tetrachlorophenol	yogesh	2/6/2025 7:43:55 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166294BS	BF141439.D	2,4-Dimethylphenol	yogesh	2/6/2025 7:43:55 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166294BS	BF141439.D	Acenaphthene	yogesh	2/6/2025 7:43:55 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166294BS	BF141439.D	Caprolactam	yogesh	2/6/2025 7:43:55 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166339BS	BF141442.D	2,4-Dimethylphenol	yogesh	2/6/2025 7:44:06 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166339BS	BF141442.D	Acenaphthene	yogesh	2/6/2025 7:44:06 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166339BS	BF141442.D	Caprolactam	yogesh	2/6/2025 7:44:06 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166339BSD	BF141443.D	2,4-Dimethylphenol	yogesh	2/6/2025 7:44:11 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166339BSD	BF141443.D	Acenaphthene	yogesh	2/6/2025 7:44:11 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
PB166339BSD	BF141443.D	Caprolactam	yogesh	2/6/2025 7:44:11 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
SSTDCCC040	BF141447.D	2,4-Dimethylphenol	yogesh	2/6/2025 7:44:39 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF020525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141447.D	Benzo(b)fluoranthene	yogesh	2/6/2025 7:44:39 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software
SSTDCCC040	BF141447.D	n-Nitrosodimethylamine	yogesh	2/6/2025 7:44:39 AM	mohammad	2/6/2025 8:39:24 AM	Peak Integrated by Software

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF012925

Review By	Jagrut	Review On	1/31/2025 4:39:47 PM				
Supervise By	mohammad	Supervise On	2/4/2025 7:21:59 AM				
SubDirectory	BF012925	HP Acquire Method	BNA_F		HP Processing Method	bf012925	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141289.D	29 Jan 2025 10:03	RC/JU	Ok
2	SSTDICC2.5	BF141290.D	29 Jan 2025 10:30	RC/JU	Ok
3	SSTDICC005	BF141291.D	29 Jan 2025 10:56	RC/JU	Ok
4	SSTDICC010	BF141292.D	29 Jan 2025 11:49	RC/JU	Ok,M
5	SSTDICC020	BF141293.D	29 Jan 2025 15:17	RC/JU	Ok,M
6	SSTDICCC040	BF141294.D	29 Jan 2025 15:45	RC/JU	Ok
7	SSTDICC050	BF141295.D	29 Jan 2025 16:11	RC/JU	Ok,M
8	SSTDICC060	BF141296.D	29 Jan 2025 16:38	RC/JU	Ok,M
9	SSTDICC080	BF141297.D	29 Jan 2025 17:05	RC/JU	Ok
10	SSTDICV040	BF141298.D	29 Jan 2025 17:31	RC/JU	Ok,M
11	PB166167BL	BF141299.D	29 Jan 2025 18:24	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF013025

Review By	Jagrut	Review On	1/30/2025 5:30:01 PM		
Supervise By	mohammad	Supervise On	1/31/2025 6:41:15 AM		
SubDirectory	BF013025	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141300.D	30 Jan 2025 08:28	RC/JU	Ok
2	SSTDCCC040	BF141301.D	30 Jan 2025 08:54	RC/JU	Ok
3	PB166216BL	BF141302.D	30 Jan 2025 09:20	RC/JU	Ok
4	PB166335BS	BF141303.D	30 Jan 2025 09:57	RC/JU	Ok,M
5	Q1168-02	BF141304.D	30 Jan 2025 10:23	RC/JU	Ok,M
6	Q1168-08	BF141305.D	30 Jan 2025 10:53	RC/JU	Ok,M
7	Q1168-02	BF141306.D	30 Jan 2025 11:55	RC/JU	Ok,M
8	Q1168-08	BF141307.D	30 Jan 2025 12:21	RC/JU	Ok,M
9	Q1168-01	BF141308.D	30 Jan 2025 12:47	RC/JU	Ok,M
10	Q1168-07	BF141309.D	30 Jan 2025 13:13	RC/JU	Ok,M
11	Q1168-01	BF141310.D	30 Jan 2025 13:39	RC/JU	Ok,M
12	Q1168-07	BF141311.D	30 Jan 2025 14:05	RC/JU	Ok,M
13	PB166339BL	BF141312.D	30 Jan 2025 14:32	RC/JU	Ok
14	Q1209-01	BF141313.D	30 Jan 2025 15:11	RC/JU	Ok,M
15	Q1209-05	BF141314.D	30 Jan 2025 15:37	RC/JU	Ok
16	Q1209-05MS	BF141315.D	30 Jan 2025 16:03	RC/JU	Ok,M
17	Q1209-05MSD	BF141316.D	30 Jan 2025 16:30	RC/JU	Ok,M
18	SSTDCCC040	BF141317.D	30 Jan 2025 17:04	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM				
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM				
SubDirectory	BF013125	HP Acquire Method	BNA_F			HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141318.D	31 Jan 2025 08:30	RC/JU	Ok
2	SSTDCCC040	BF141319.D	31 Jan 2025 09:22	RC/JU	Ok,M
3	PB166258BL	BF141320.D	31 Jan 2025 09:49	RC/JU	Ok
4	Q1168-03	BF141321.D	31 Jan 2025 10:15	RC/JU	Ok,M
5	Q1168-03	BF141322.D	31 Jan 2025 10:42	RC/JU	Ok,M
6	Q1168-09	BF141323.D	31 Jan 2025 11:08	RC/JU	Ok,M
7	Q1168-09	BF141324.D	31 Jan 2025 11:35	RC/JU	Ok,M
8	PB166363BL	BF141325.D	31 Jan 2025 12:01	RC/JU	Ok
9	PB166363BS	BF141326.D	31 Jan 2025 12:28	RC/JU	Ok,M
10	PB166363BSD	BF141327.D	31 Jan 2025 12:54	RC/JU	Ok,M
11	Q1211-01	BF141328.D	31 Jan 2025 13:27	RC/JU	Ok
12	Q1211-02	BF141329.D	31 Jan 2025 13:53	RC/JU	Ok
13	Q1209-04	BF141330.D	31 Jan 2025 14:20	RC/JU	Ok
14	Q1209-08	BF141331.D	31 Jan 2025 14:46	RC/JU	Ok
15	Q1205-02	BF141332.D	31 Jan 2025 15:13	RC/JU	Ok
16	Q1205-01	BF141333.D	31 Jan 2025 15:39	RC/JU	Ok,M
17	SSTDCCC040	BF141334.D	31 Jan 2025 16:26	RC/JU	Ok,M
18	DFTPP	BF141335.D	31 Jan 2025 16:53	RC/JU	Ok
19	SSTDCCC040	BF141336.D	31 Jan 2025 17:19	RC/JU	Ok
20	PB166354BL	BF141337.D	31 Jan 2025 17:46	RC/JU	Ok
21	Q1218-02	BF141338.D	31 Jan 2025 18:18	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM		
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM		
SubDirectory	BF013125	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1218-02MS	BF141339.D	31 Jan 2025 18:44	RC/JU	Ok,M
23	Q1218-02MSD	BF141340.D	31 Jan 2025 19:11	RC/JU	Ok,M
24	Q1219-02	BF141341.D	31 Jan 2025 19:37	RC/JU	Ok,M
25	Q1221-02	BF141342.D	31 Jan 2025 20:04	RC/JU	Ok
26	Q1221-01	BF141343.D	31 Jan 2025 20:30	RC/JU	Ok
27	Q1239-10	BF141344.D	31 Jan 2025 20:56	RC/JU	Ok
28	Q1239-10MS	BF141345.D	31 Jan 2025 21:23	RC/JU	Ok,M
29	Q1239-10MSD	BF141346.D	31 Jan 2025 21:50	RC/JU	Ok,M
30	Q1205-02MS	BF141347.D	31 Jan 2025 22:16	RC/JU	Ok,M
31	Q1205-02MSD	BF141348.D	31 Jan 2025 22:43	RC/JU	Ok,M
32	Q1194-01	BF141349.D	31 Jan 2025 23:10	RC/JU	Ok
33	Q1194-02	BF141350.D	31 Jan 2025 23:37	RC/JU	Ok
34	Q1194-04	BF141351.D	01 Feb 2025 00:03	RC/JU	Ok
35	Q1194-04MS	BF141352.D	01 Feb 2025 00:30	RC/JU	Ok,M
36	Q1194-04MSD	BF141353.D	01 Feb 2025 00:57	RC/JU	Ok,M
37	Q1239-07	BF141354.D	01 Feb 2025 01:24	RC/JU	Ok,M
38	Q1239-04	BF141355.D	01 Feb 2025 01:51	RC/JU	Ok,M
39	Q1243-01	BF141356.D	01 Feb 2025 02:17	RC/JU	Ok
40	Q1220-01	BF141357.D	01 Feb 2025 02:44	RC/JU	Ok,M
41	Q1244-01	BF141358.D	01 Feb 2025 03:11	RC/JU	Ok,M
42	Q1239-01	BF141359.D	01 Feb 2025 03:37	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM				
Supervise By	mohammad	Supervise On	2/6/2025 8:40:16 AM				
SubDirectory	BF020325	HP Acquire Method	BNA_F			HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141360.D	03 Feb 2025 09:53	RC/JU	Ok
2	SSTDCCC040	BF141361.D	03 Feb 2025 11:24	RC/JU	Ok,M
3	PB166426BL	BF141362.D	03 Feb 2025 11:51	RC/JU	Ok
4	PB166468BS	BF141363.D	03 Feb 2025 12:18	RC/JU	Not Ok
5	PB166468BSD	BF141364.D	03 Feb 2025 12:44	RC/JU	Not Ok
6	PB166468BL	BF141365.D	03 Feb 2025 13:10	RC/JU	Not Ok
7	Q1214-01	BF141366.D	03 Feb 2025 13:41	RC/JU	ReRun
8	Q1194-08	BF141367.D	03 Feb 2025 14:08	RC/JU	Ok
9	Q1239-02	BF141368.D	03 Feb 2025 14:34	RC/JU	Ok
10	Q1239-05	BF141369.D	03 Feb 2025 15:00	RC/JU	Ok
11	Q1239-08	BF141370.D	03 Feb 2025 15:26	RC/JU	Ok
12	Q1239-11	BF141371.D	03 Feb 2025 15:52	RC/JU	Ok
13	DFTPP	BF141372.D	03 Feb 2025 16:43	RC/JU	Ok
14	SSTDCCC040	BF141373.D	03 Feb 2025 17:14	RC/JU	Ok,M
15	PB166335BL	BF141374.D	03 Feb 2025 17:41	RC/JU	Ok
16	Q1216-12	BF141375.D	03 Feb 2025 18:12	RC/JU	Ok
17	Q1216-16	BF141376.D	03 Feb 2025 18:38	RC/JU	Ok
18	Q1216-20	BF141377.D	03 Feb 2025 19:04	RC/JU	Ok
19	Q1235-04	BF141378.D	03 Feb 2025 19:31	RC/JU	Ok
20	Q1235-08	BF141379.D	03 Feb 2025 19:57	RC/JU	Ok
21	Q1232-04	BF141380.D	03 Feb 2025 20:24	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM				
Supervise By	mohammad	Supervise On	2/6/2025 8:40:16 AM				
SubDirectory	BF020325	HP Acquire Method	BNA_F		HP Processing Method	bf012925	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1232-08	BF141381.D	03 Feb 2025 20:51	RC/JU	Ok
23	Q1232-12	BF141382.D	03 Feb 2025 21:17	RC/JU	Ok
24	Q1232-16	BF141383.D	03 Feb 2025 21:44	RC/JU	Ok
25	Q1232-20	BF141384.D	03 Feb 2025 22:11	RC/JU	Ok
26	Q1269-01	BF141385.D	03 Feb 2025 22:37	RC/JU	Ok
27	Q1271-01	BF141386.D	03 Feb 2025 23:04	RC/JU	Ok
28	Q1271-01MS	BF141387.D	03 Feb 2025 23:30	RC/JU	Ok,M
29	Q1271-01MSD	BF141388.D	03 Feb 2025 23:56	RC/JU	Ok,M
30	Q1262-01	BF141389.D	04 Feb 2025 00:23	RC/JU	Dilution
31	Q1232-03	BF141390.D	04 Feb 2025 00:49	RC/JU	Dilution
32	Q1216-19	BF141391.D	04 Feb 2025 01:16	RC/JU	Ok,M
33	Q1216-11	BF141392.D	04 Feb 2025 01:42	RC/JU	Ok,M
34	Q1219-01	BF141393.D	04 Feb 2025 02:09	RC/JU	Ok
35	Q1261-01	BF141394.D	04 Feb 2025 02:35	RC/JU	Ok
36	Q1218-01	BF141395.D	04 Feb 2025 03:01	RC/JU	Ok
37	Q1254-01	BF141396.D	04 Feb 2025 03:28	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM				
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM				
SubDirectory	BF020425	HP Acquire Method	BNA_F		HP Processing Method	bf012925	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141397.D	04 Feb 2025 10:16	RC/JU	Ok
2	SSTDCCC040	BF141398.D	04 Feb 2025 10:42	RC/JU	Ok,M
3	PB166483BL	BF141399.D	04 Feb 2025 11:08	RC/JU	Ok
4	PB166483BS	BF141400.D	04 Feb 2025 11:35	RC/JU	Ok,M
5	PB166423TB	BF141401.D	04 Feb 2025 12:02	RC/JU	Ok
6	PB166465BS	BF141402.D	04 Feb 2025 12:28	RC/JU	Ok,M
7	PB166465BL	BF141403.D	04 Feb 2025 12:54	RC/JU	Ok
8	PB166360BL	BF141404.D	04 Feb 2025 13:21	RC/JU	Ok
9	PB166360BS	BF141405.D	04 Feb 2025 13:47	RC/JU	Ok,M
10	PB166356TB	BF141406.D	04 Feb 2025 14:13	RC/JU	Ok
11	PB166426BS	BF141407.D	04 Feb 2025 14:39	RC/JU	Ok,M
12	PB166294BL	BF141408.D	04 Feb 2025 15:06	RC/JU	Ok
13	DFTPP	BF141409.D	04 Feb 2025 15:32	RC/JU	Ok
14	SSTDCCC040	BF141410.D	04 Feb 2025 15:58	RC/JU	Ok,M
15	PB166525BL	BF141411.D	04 Feb 2025 16:24	RC/JU	Ok
16	Q1262-03	BF141412.D	04 Feb 2025 16:56	RC/JU	Ok
17	Q1239-02MS	BF141413.D	04 Feb 2025 17:22	RC/JU	Ok,M
18	Q1239-02MSD	BF141414.D	04 Feb 2025 17:49	RC/JU	Ok,M
19	Q1241-08	BF141415.D	04 Feb 2025 18:15	RC/JU	Ok
20	Q1241-12	BF141416.D	04 Feb 2025 18:41	RC/JU	Ok,M
21	Q1241-16	BF141417.D	04 Feb 2025 19:07	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM				
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM				
SubDirectory	BF020425	HP Acquire Method	BNA_F		HP Processing Method	bf012925	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1241-20	BF141418.D	04 Feb 2025 19:34	RC/JU	Ok
23	Q1242-04	BF141419.D	04 Feb 2025 20:00	RC/JU	Ok
24	Q1241-04	BF141420.D	04 Feb 2025 20:26	RC/JU	Ok
25	Q1216-08	BF141421.D	04 Feb 2025 20:52	RC/JU	Ok
26	Q1206-04	BF141422.D	04 Feb 2025 21:19	RC/JU	Ok
27	Q1206-08	BF141423.D	04 Feb 2025 21:45	RC/JU	Ok
28	Q1194-03	BF141424.D	04 Feb 2025 22:11	RC/JU	Ok,M
29	Q1262-01DL	BF141425.D	04 Feb 2025 22:38	RC/JU	Ok,M
30	Q1232-03DL	BF141426.D	04 Feb 2025 23:04	RC/JU	Ok,M
31	Q1280-01	BF141427.D	04 Feb 2025 23:30	RC/JU	Ok,M
32	Q1280-01MS	BF141428.D	04 Feb 2025 23:56	RC/JU	Ok,M
33	Q1280-01MSD	BF141429.D	05 Feb 2025 00:22	RC/JU	Ok,M
34	Q1276-01	BF141430.D	05 Feb 2025 00:48	RC/JU	Ok,M
35	Q1277-02	BF141431.D	05 Feb 2025 01:15	RC/JU	Ok
36	Q1281-01	BF141432.D	05 Feb 2025 01:41	RC/JU	Ok,M
37	Q1241-07	BF141433.D	05 Feb 2025 02:07	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM				
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM				
SubDirectory	BF020525	HP Acquire Method	BNA_F		HP Processing Method	bf012925	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141434.D	05 Feb 2025 09:36	RC/JU	Ok
2	SSTDCCC040	BF141435.D	05 Feb 2025 10:02	RC/JU	Ok,M
3	PB166264BL	BF141436.D	05 Feb 2025 10:28	RC/JU	Ok
4	PB166264BS	BF141437.D	05 Feb 2025 10:55	RC/JU	Ok,M
5	PB166211TB	BF141438.D	05 Feb 2025 11:21	RC/JU	Ok
6	PB166294BS	BF141439.D	05 Feb 2025 11:47	RC/JU	Ok,M
7	PB166418BL	BF141440.D	05 Feb 2025 12:13	RC/JU	Ok
8	PB166418BS	BF141441.D	05 Feb 2025 12:39	RC/JU	Ok,M
9	PB166339BS	BF141442.D	05 Feb 2025 13:05	RC/JU	Ok,M
10	PB166339BSD	BF141443.D	05 Feb 2025 13:31	RC/JU	Ok,M
11	PB166525BS	BF141444.D	05 Feb 2025 13:58	RC/JU	Ok,M
12	PB166354BS	BF141445.D	05 Feb 2025 14:24	RC/JU	Ok,M
13	DFTPP	BF141446.D	05 Feb 2025 14:50	RC/JU	Ok
14	SSTDCCC040	BF141447.D	05 Feb 2025 15:16	RC/JU	Ok,M
15	PB166318TB	BF141448.D	05 Feb 2025 15:43	RC/JU	Ok
16	Q1215-04	BF141449.D	05 Feb 2025 16:16	RC/JU	Ok
17	Q1215-08	BF141450.D	05 Feb 2025 16:42	RC/JU	Ok
18	Q1282-01	BF141451.D	05 Feb 2025 17:08	RC/JU	Ok
19	Q1207-04	BF141452.D	05 Feb 2025 17:35	RC/JU	Ok
20	Q1207-08	BF141453.D	05 Feb 2025 18:01	RC/JU	Ok
21	Q1207-20	BF141454.D	05 Feb 2025 18:27	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM				
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM				
SubDirectory	BF020525	HP Acquire Method	BNA_F		HP Processing Method	bf012925	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1207-12	BF141455.D	05 Feb 2025 18:54	RC/JU	Ok
23	Q1207-16	BF141456.D	05 Feb 2025 19:20	RC/JU	Ok
24	Q1280-02	BF141457.D	05 Feb 2025 19:46	RC/JU	Ok
25	Q1280-02MS	BF141458.D	05 Feb 2025 20:12	RC/JU	Ok,M
26	Q1280-02MSD	BF141459.D	05 Feb 2025 20:38	RC/JU	Ok,M
27	Q1207-19	BF141460.D	05 Feb 2025 21:05	RC/JU	Ok,M
28	Q1206-03	BF141461.D	05 Feb 2025 21:31	RC/JU	Dilution
29	Q1207-03	BF141462.D	05 Feb 2025 21:57	RC/JU	Ok,M
30	Q1207-11	BF141463.D	05 Feb 2025 22:23	RC/JU	Ok,M
31	Q1207-07	BF141464.D	05 Feb 2025 22:49	RC/JU	Ok,M
32	Q1207-15	BF141465.D	05 Feb 2025 23:15	RC/JU	Ok,M
33	Q1206-07	BF141466.D	05 Feb 2025 23:41	RC/JU	Ok,M
34	Q1284-01	BF141467.D	06 Feb 2025 00:07	RC/JU	Ok
35	Q1286-01	BF141468.D	06 Feb 2025 00:33	RC/JU	Ok
36	Q1288-04	BF141469.D	06 Feb 2025 00:59	RC/JU	Ok,M
37	Q1285-01	BF141470.D	06 Feb 2025 01:26	RC/JU	Dilution

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF012925

Review By	Jagrut	Review On	1/31/2025 4:39:47 PM		
Supervise By	mohammad	Supervise On	2/4/2025 7:21:59 AM		
SubDirectory	BF012925	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141289.D	29 Jan 2025 10:03		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF141290.D	29 Jan 2025 10:30		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF141291.D	29 Jan 2025 10:56	Compound #54 is removed from 5ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF141292.D	29 Jan 2025 11:49		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF141293.D	29 Jan 2025 15:17	The Calibration is fail for compound #77	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF141294.D	29 Jan 2025 15:45	The Calibration is Good For 8270 DOD Except com#77 and good for 625.1 Method Except com#77	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF141295.D	29 Jan 2025 16:11		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF141296.D	29 Jan 2025 16:38		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BF141297.D	29 Jan 2025 17:05		RC/JU	Ok
10	SSTDICV040	ICVBF012925	BF141298.D	29 Jan 2025 17:31		RC/JU	Ok,M
11	PB166167BL	PB166167BL	BF141299.D	29 Jan 2025 18:24		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF013025

Review By	Jagrut	Review On	1/30/2025 5:30:01 PM		
Supervise By	mohammad	Supervise On	1/31/2025 6:41:15 AM		
SubDirectory	BF013025	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141300.D	30 Jan 2025 08:28		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141301.D	30 Jan 2025 08:54		RC/JU	Ok
3	PB166216BL	PB166216BL	BF141302.D	30 Jan 2025 09:20		RC/JU	Ok
4	PB166335BS	PB166335BS	BF141303.D	30 Jan 2025 09:57		RC/JU	Ok,M
5	Q1168-02	LOQ-SOIL-02-QT1-202	BF141304.D	30 Jan 2025 10:23	LOQ-SOIL-5 PPM	RC/JU	Ok,M
6	Q1168-08	LOQ-WATER-02-QT1-2	BF141305.D	30 Jan 2025 10:53	LOQ-WATER-5 PPM	RC/JU	Ok,M
7	Q1168-02	LOQ-SOIL-02-QT1-202	BF141306.D	30 Jan 2025 11:55	LOQ-SOIL-10 PPM	RC/JU	Ok,M
8	Q1168-08	LOQ-WATER-02-QT1-2	BF141307.D	30 Jan 2025 12:21	LOQ-WATER-10 PPM	RC/JU	Ok,M
9	Q1168-01	LOD-MDL-SOIL-01-QT	BF141308.D	30 Jan 2025 12:47	LOD-MDL-SOIL-4PPM	RC/JU	Ok,M
10	Q1168-07	LOD-MDL-WATER-01-(	BF141309.D	30 Jan 2025 13:13	LOD-MDL-WATER-4PPM	RC/JU	Ok,M
11	Q1168-01	LOD-MDL-SOIL-01-QT	BF141310.D	30 Jan 2025 13:39	LOD-MDL-SOIL-8PPM	RC/JU	Ok,M
12	Q1168-07	LOD-MDL-WATER-01-(	BF141311.D	30 Jan 2025 14:05	LOD-MDL-WATER-8PPM	RC/JU	Ok,M
13	PB166339BL	PB166339BL	BF141312.D	30 Jan 2025 14:32		RC/JU	Ok
14	Q1209-01	WC-4	BF141313.D	30 Jan 2025 15:11		RC/JU	Ok,M
15	Q1209-05	WC-5	BF141314.D	30 Jan 2025 15:37		RC/JU	Ok
16	Q1209-05MS	WC-5MS	BF141315.D	30 Jan 2025 16:03		RC/JU	Ok,M
17	Q1209-05MSD	WC-5MSD	BF141316.D	30 Jan 2025 16:30		RC/JU	Ok,M
18	SSTDCCC040	SSTDCCC040EC	BF141317.D	30 Jan 2025 17:04		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF013025

Review By	Jagrut	Review On	1/30/2025 5:30:01 PM		
Supervise By	mohammad	Supervise On	1/31/2025 6:41:15 AM		
SubDirectory	BF013025	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM		
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM		
SubDirectory	BF013125	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141318.D	31 Jan 2025 08:30		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141319.D	31 Jan 2025 09:22		RC/JU	Ok,M
3	PB166258BL	PB166258BL	BF141320.D	31 Jan 2025 09:49		RC/JU	Ok
4	Q1168-03	MDL-SOIL-03-QT1-202	BF141321.D	31 Jan 2025 10:15	MDL-SOIL-4PPM	RC/JU	Ok,M
5	Q1168-03	MDL-SOIL-03-QT1-202	BF141322.D	31 Jan 2025 10:42	MDL-SOIL-8PPM	RC/JU	Ok,M
6	Q1168-09	MDL-WATER-03-QT1-2	BF141323.D	31 Jan 2025 11:08	MDL-WATER-4PPM	RC/JU	Ok,M
7	Q1168-09	MDL-WATER-03-QT1-2	BF141324.D	31 Jan 2025 11:35	MDL-WATER-03-8PPM	RC/JU	Ok,M
8	PB166363BL	PB166363BL	BF141325.D	31 Jan 2025 12:01		RC/JU	Ok
9	PB166363BS	PB166363BS	BF141326.D	31 Jan 2025 12:28		RC/JU	Ok,M
10	PB166363BSD	PB166363BSD	BF141327.D	31 Jan 2025 12:54		RC/JU	Ok,M
11	Q1211-01	TAPHHA-MW01-01282	BF141328.D	31 Jan 2025 13:27		RC/JU	Ok
12	Q1211-02	TAPIAL2-MW03-01282	BF141329.D	31 Jan 2025 13:53		RC/JU	Ok
13	Q1209-04	WC-4	BF141330.D	31 Jan 2025 14:20		RC/JU	Ok
14	Q1209-08	WC-5	BF141331.D	31 Jan 2025 14:46		RC/JU	Ok
15	Q1205-02	VNJ-236	BF141332.D	31 Jan 2025 15:13		RC/JU	Ok
16	Q1205-01	VNJ-236	BF141333.D	31 Jan 2025 15:39		RC/JU	Ok,M
17	SSTDCCC040	SSTDCCC040EC	BF141334.D	31 Jan 2025 16:26		RC/JU	Ok,M
18	DFTPP	DFTPP	BF141335.D	31 Jan 2025 16:53		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM		
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM		
SubDirectory	BF013125	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	SSTDCCC040	SSTDCCC040	BF141336.D	31 Jan 2025 17:19		RC/JU	Ok
20	PB166354BL	PB166354BL	BF141337.D	31 Jan 2025 17:46		RC/JU	Ok
21	Q1218-02	BELL-25-002	BF141338.D	31 Jan 2025 18:18		RC/JU	Ok,M
22	Q1218-02MS	BELL-25-002MS	BF141339.D	31 Jan 2025 18:44		RC/JU	Ok,M
23	Q1218-02MSD	BELL-25-002MSD	BF141340.D	31 Jan 2025 19:11		RC/JU	Ok,M
24	Q1219-02	LAW-25-0015	BF141341.D	31 Jan 2025 19:37		RC/JU	Ok,M
25	Q1221-02	CHESTNUT-CONCRE	BF141342.D	31 Jan 2025 20:04		RC/JU	Ok
26	Q1221-01	CHESTNUT-CONCRE	BF141343.D	31 Jan 2025 20:30		RC/JU	Ok
27	Q1239-10	357	BF141344.D	31 Jan 2025 20:56		RC/JU	Ok
28	Q1239-10MS	357MS	BF141345.D	31 Jan 2025 21:23		RC/JU	Ok,M
29	Q1239-10MSD	357MSD	BF141346.D	31 Jan 2025 21:50		RC/JU	Ok,M
30	Q1205-02MS	VNJ-236MS	BF141347.D	31 Jan 2025 22:16		RC/JU	Ok,M
31	Q1205-02MSD	VNJ-236MSD	BF141348.D	31 Jan 2025 22:43		RC/JU	Ok,M
32	Q1194-01	B-110-SB01	BF141349.D	31 Jan 2025 23:10		RC/JU	Ok
33	Q1194-02	B-110-SB02	BF141350.D	31 Jan 2025 23:37		RC/JU	Ok
34	Q1194-04	B-113-SB02	BF141351.D	01 Feb 2025 00:03		RC/JU	Ok
35	Q1194-04MS	B-113-SB02MS	BF141352.D	01 Feb 2025 00:30		RC/JU	Ok,M
36	Q1194-04MSD	B-113-SB02MSD	BF141353.D	01 Feb 2025 00:57		RC/JU	Ok,M
37	Q1239-07	RBR22266	BF141354.D	01 Feb 2025 01:24		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF013125

Review By	Jagrut	Review On	2/3/2025 3:44:51 PM		
Supervise By	mohammad	Supervise On	2/4/2025 7:22:32 AM		
SubDirectory	BF013125	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	Q1239-04	348	BF141355.D	01 Feb 2025 01:51		RC/JU	Ok,M
39	Q1243-01	CL-01-01302025	BF141356.D	01 Feb 2025 02:17		RC/JU	Ok
40	Q1220-01	TR-06-01292025	BF141357.D	01 Feb 2025 02:44		RC/JU	Ok,M
41	Q1244-01	EO-02-01302025	BF141358.D	01 Feb 2025 03:11	Internal Standard Fail	RC/JU	Ok,M
42	Q1239-01	286	BF141359.D	01 Feb 2025 03:37		RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM		
Supervise By	mohammad	Supervise On	2/6/2025 8:40:16 AM		
SubDirectory	BF020325	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141360.D	03 Feb 2025 09:53		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141361.D	03 Feb 2025 11:24		RC/JU	Ok,M
3	PB166426BL	PB166426BL	BF141362.D	03 Feb 2025 11:51		RC/JU	Ok
4	PB166468BS	PB166468BS	BF141363.D	03 Feb 2025 12:18	Com#77(Benzidine) Failed in the calibration	RC/JU	Not Ok
5	PB166468BSD	PB166468BSD	BF141364.D	03 Feb 2025 12:44	Com#77(Benzidine) Failed in the calibration	RC/JU	Not Ok
6	PB166468BL	PB166468BL	BF141365.D	03 Feb 2025 13:10	Com#77(Benzidine) Failed in the calibration	RC/JU	Not Ok
7	Q1214-01	PARAMUS-CONDENS/	BF141366.D	03 Feb 2025 13:41	Surrogate Fail,Com#77(Benzidine) Failed in the calibration	RC/JU	ReRun
8	Q1194-08	EB	BF141367.D	03 Feb 2025 14:08		RC/JU	Ok
9	Q1239-02	286	BF141368.D	03 Feb 2025 14:34		RC/JU	Ok
10	Q1239-05	348	BF141369.D	03 Feb 2025 15:00		RC/JU	Ok
11	Q1239-08	RBR22266	BF141370.D	03 Feb 2025 15:26		RC/JU	Ok
12	Q1239-11	357	BF141371.D	03 Feb 2025 15:52		RC/JU	Ok
13	DFTPP	DFTPP	BF141372.D	03 Feb 2025 16:43		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF141373.D	03 Feb 2025 17:14		RC/JU	Ok,M
15	PB166335BL	PB166335BL	BF141374.D	03 Feb 2025 17:41		RC/JU	Ok
16	Q1216-12	JPP-21.2-012825	BF141375.D	03 Feb 2025 18:12		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM		
Supervise By	mohammad	Supervise On	2/6/2025 8:40:16 AM		
SubDirectory	BF020325	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	Q1216-16	JPP-26.1-012825	BF141376.D	03 Feb 2025 18:38		RC/JU	Ok
18	Q1216-20	JPP-26.2-012825	BF141377.D	03 Feb 2025 19:04		RC/JU	Ok
19	Q1235-04	JPP-51.2-012925	BF141378.D	03 Feb 2025 19:31		RC/JU	Ok
20	Q1235-08	JPP-16.1-012925	BF141379.D	03 Feb 2025 19:57		RC/JU	Ok
21	Q1232-04	JPP-46.2-012925	BF141380.D	03 Feb 2025 20:24		RC/JU	Ok
22	Q1232-08	JPP-46.1-012925	BF141381.D	03 Feb 2025 20:51		RC/JU	Ok
23	Q1232-12	JPP-42.1-012925	BF141382.D	03 Feb 2025 21:17		RC/JU	Ok
24	Q1232-16	JPP-42.2-012925	BF141383.D	03 Feb 2025 21:44		RC/JU	Ok
25	Q1232-20	JPP-51.1-012925	BF141384.D	03 Feb 2025 22:11		RC/JU	Ok
26	Q1269-01	VNJ-231	BF141385.D	03 Feb 2025 22:37		RC/JU	Ok
27	Q1271-01	RBR200030	BF141386.D	03 Feb 2025 23:04		RC/JU	Ok
28	Q1271-01MS	RBR200030MS	BF141387.D	03 Feb 2025 23:30		RC/JU	Ok,M
29	Q1271-01MSD	RBR200030MSD	BF141388.D	03 Feb 2025 23:56		RC/JU	Ok,M
30	Q1262-01	ETGI-371	BF141389.D	04 Feb 2025 00:23	Need 5X Dilution	RC/JU	Dilution
31	Q1232-03	JPP-46.2-012925	BF141390.D	04 Feb 2025 00:49	Need 5X Dilution	RC/JU	Dilution
32	Q1216-19	JPP-26.2-012825	BF141391.D	04 Feb 2025 01:16		RC/JU	Ok,M
33	Q1216-11	JPP-21.2-012825	BF141392.D	04 Feb 2025 01:42	Internal Standard Fail	RC/JU	Ok,M
34	Q1219-01	LAW-25-0015	BF141393.D	04 Feb 2025 02:09	Internal Standard Fail	RC/JU	Ok
35	Q1261-01	CHRT-20430	BF141394.D	04 Feb 2025 02:35	Internal Standard Fail	RC/JU	Ok

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020325

Review By	Jagrut	Review On	2/4/2025 4:42:42 PM		
Supervise By	mohammad	Supervise On	2/6/2025 8:40:16 AM		
SubDirectory	BF020325	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12649,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

36	Q1218-01	BELL-25-002	BF141395.D	04 Feb 2025 03:01	Internal Standard Fail	RC/JU	Ok
37	Q1254-01	OK-02-01312025	BF141396.D	04 Feb 2025 03:28		RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM		
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM		
SubDirectory	BF020425	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141397.D	04 Feb 2025 10:16		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141398.D	04 Feb 2025 10:42		RC/JU	Ok,M
3	PB166483BL	PB166483BL	BF141399.D	04 Feb 2025 11:08		RC/JU	Ok
4	PB166483BS	PB166483BS	BF141400.D	04 Feb 2025 11:35		RC/JU	Ok,M
5	PB166423TB	PB166423TB	BF141401.D	04 Feb 2025 12:02		RC/JU	Ok
6	PB166465BS	PB166465BS	BF141402.D	04 Feb 2025 12:28		RC/JU	Ok,M
7	PB166465BL	PB166465BL	BF141403.D	04 Feb 2025 12:54		RC/JU	Ok
8	PB166360BL	PB166360BL	BF141404.D	04 Feb 2025 13:21		RC/JU	Ok
9	PB166360BS	PB166360BS	BF141405.D	04 Feb 2025 13:47		RC/JU	Ok,M
10	PB166356TB	PB166356TB	BF141406.D	04 Feb 2025 14:13		RC/JU	Ok
11	PB166426BS	PB166426BS	BF141407.D	04 Feb 2025 14:39		RC/JU	Ok,M
12	PB166294BL	PB166294BL	BF141408.D	04 Feb 2025 15:06		RC/JU	Ok
13	DFTPP	DFTPP	BF141409.D	04 Feb 2025 15:32		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF141410.D	04 Feb 2025 15:58		RC/JU	Ok,M
15	PB166525BL	PB166525BL	BF141411.D	04 Feb 2025 16:24		RC/JU	Ok
16	Q1262-03	CONCRETE-PAD	BF141412.D	04 Feb 2025 16:56		RC/JU	Ok
17	Q1239-02MS	286MS	BF141413.D	04 Feb 2025 17:22		RC/JU	Ok,M
18	Q1239-02MSD	286MSD	BF141414.D	04 Feb 2025 17:49		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM		
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM		
SubDirectory	BF020425	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1241-08	JPP-5.3-013025	BF141415.D	04 Feb 2025 18:15		RC/JU	Ok
20	Q1241-12	JPP-5.2-013025	BF141416.D	04 Feb 2025 18:41		RC/JU	Ok,M
21	Q1241-16	JPP-5.4-013025	BF141417.D	04 Feb 2025 19:07		RC/JU	Ok
22	Q1241-20	JPP-51.4-013025	BF141418.D	04 Feb 2025 19:34		RC/JU	Ok
23	Q1242-04	JPP-6.2-013025	BF141419.D	04 Feb 2025 20:00		RC/JU	Ok
24	Q1241-04	JPP-3.5-013025	BF141420.D	04 Feb 2025 20:26		RC/JU	Ok
25	Q1216-08	JPP-21.1-012825	BF141421.D	04 Feb 2025 20:52		RC/JU	Ok
26	Q1206-04	JPP-20.1-012725	BF141422.D	04 Feb 2025 21:19		RC/JU	Ok
27	Q1206-08	JPP-16.3-012725	BF141423.D	04 Feb 2025 21:45		RC/JU	Ok
28	Q1194-03	B-113-SB01	BF141424.D	04 Feb 2025 22:11		RC/JU	Ok,M
29	Q1262-01DL	ETGI-371DL	BF141425.D	04 Feb 2025 22:38		RC/JU	Ok,M
30	Q1232-03DL	JPP-46.2-012925DL	BF141426.D	04 Feb 2025 23:04		RC/JU	Ok,M
31	Q1280-01	72-11984	BF141427.D	04 Feb 2025 23:30		RC/JU	Ok,M
32	Q1280-01MS	72-11984MS	BF141428.D	04 Feb 2025 23:56		RC/JU	Ok,M
33	Q1280-01MSD	72-11984MSD	BF141429.D	05 Feb 2025 00:22		RC/JU	Ok,M
34	Q1276-01	TR-05-020325	BF141430.D	05 Feb 2025 00:48		RC/JU	Ok,M
35	Q1277-02	RT 3249	BF141431.D	05 Feb 2025 01:15		RC/JU	Ok
36	Q1281-01	OR-02--2-03-2025	BF141432.D	05 Feb 2025 01:41		RC/JU	Ok,M
37	Q1241-07	JPP-5.3-013025	BF141433.D	05 Feb 2025 02:07		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020425

Review By	yogesh	Review On	2/5/2025 9:10:01 AM		
Supervise By	mohammad	Supervise On	2/5/2025 9:47:32 AM		
SubDirectory	BF020425	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM		
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM		
SubDirectory	BF020525	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141434.D	05 Feb 2025 09:36		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141435.D	05 Feb 2025 10:02		RC/JU	Ok,M
3	PB166264BL	PB166264BL	BF141436.D	05 Feb 2025 10:28		RC/JU	Ok
4	PB166264BS	PB166264BS	BF141437.D	05 Feb 2025 10:55		RC/JU	Ok,M
5	PB166211TB	PB166211TB	BF141438.D	05 Feb 2025 11:21		RC/JU	Ok
6	PB166294BS	PB166294BS	BF141439.D	05 Feb 2025 11:47		RC/JU	Ok,M
7	PB166418BL	PB166418BL	BF141440.D	05 Feb 2025 12:13		RC/JU	Ok
8	PB166418BS	PB166418BS	BF141441.D	05 Feb 2025 12:39		RC/JU	Ok,M
9	PB166339BS	PB166339BS	BF141442.D	05 Feb 2025 13:05		RC/JU	Ok,M
10	PB166339BSD	PB166339BSD	BF141443.D	05 Feb 2025 13:31		RC/JU	Ok,M
11	PB166525BS	PB166525BS	BF141444.D	05 Feb 2025 13:58		RC/JU	Ok,M
12	PB166354BS	PB166354BS	BF141445.D	05 Feb 2025 14:24		RC/JU	Ok,M
13	DFTPP	DFTPP	BF141446.D	05 Feb 2025 14:50		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF141447.D	05 Feb 2025 15:16		RC/JU	Ok,M
15	PB166318TB	PB166318TB	BF141448.D	05 Feb 2025 15:43		RC/JU	Ok
16	Q1215-04	JPP-29.1-012825	BF141449.D	05 Feb 2025 16:16		RC/JU	Ok
17	Q1215-08	JPP-29.2-012825	BF141450.D	05 Feb 2025 16:42		RC/JU	Ok
18	Q1282-01	SW-WTS-02	BF141451.D	05 Feb 2025 17:08		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM		
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM		
SubDirectory	BF020525	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1207-04	JPP-2.1-012725	BF141452.D	05 Feb 2025 17:35		RC/JU	Ok
20	Q1207-08	JPP-5.1-012725	BF141453.D	05 Feb 2025 18:01		RC/JU	Ok
21	Q1207-20	JPP-20.2-012725	BF141454.D	05 Feb 2025 18:27		RC/JU	Ok
22	Q1207-12	JPP-4.5-012725	BF141455.D	05 Feb 2025 18:54		RC/JU	Ok
23	Q1207-16	JPP-16.2-012725	BF141456.D	05 Feb 2025 19:20		RC/JU	Ok
24	Q1280-02	72-11984	BF141457.D	05 Feb 2025 19:46		RC/JU	Ok
25	Q1280-02MS	72-11984MS	BF141458.D	05 Feb 2025 20:12		RC/JU	Ok,M
26	Q1280-02MSD	72-11984MSD	BF141459.D	05 Feb 2025 20:38		RC/JU	Ok,M
27	Q1207-19	JPP-20.2-012725	BF141460.D	05 Feb 2025 21:05		RC/JU	Ok,M
28	Q1206-03	JPP-20.1-012725	BF141461.D	05 Feb 2025 21:31	Need 2X Dilution	RC/JU	Dilution
29	Q1207-03	JPP-2.1-012725	BF141462.D	05 Feb 2025 21:57		RC/JU	Ok,M
30	Q1207-11	JPP-4.5-012725	BF141463.D	05 Feb 2025 22:23		RC/JU	Ok,M
31	Q1207-07	JPP-5.1-012725	BF141464.D	05 Feb 2025 22:49		RC/JU	Ok,M
32	Q1207-15	JPP-16.2-012725	BF141465.D	05 Feb 2025 23:15		RC/JU	Ok,M
33	Q1206-07	JPP-16.3-012725	BF141466.D	05 Feb 2025 23:41		RC/JU	Ok,M
34	Q1284-01	SU-03-2-4-2025	BF141467.D	06 Feb 2025 00:07		RC/JU	Ok
35	Q1286-01	NB-07-020425	BF141468.D	06 Feb 2025 00:33	Internal Standard Fail	RC/JU	Ok
36	Q1288-04	HR-04-020425	BF141469.D	06 Feb 2025 00:59		RC/JU	Ok,M
37	Q1285-01	72-11977	BF141470.D	06 Feb 2025 01:26	Need Further 10X Dilution.	RC/JU	Dilution

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF020525

Review By	yogesh	Review On	2/6/2025 7:45:47 AM		
Supervise By	mohammad	Supervise On	2/6/2025 8:39:24 AM		
SubDirectory	BF020525	HP Acquire Method	BNA_F	HP Processing Method	bf012925

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12650,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB166294

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	01/28/2025
Matrix :	Solid			**Extraction Start Time :**	09:56
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	01/28/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:55
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
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	SP6681
Surrogate	1.0ML	100/150 PPM	SP6638
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2578
Baked Na2SO4	N/A	EP2580
Methylene Chloride	N/A	E3871
Sand	N/A	E2865
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot # 2210673.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/28/25	RP (Ext Labs)	Rdsvoc
13:00	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB166294

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 01/28/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166294BL	SBLK294	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U6-1
PB166294BS	SLCS294	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
Q1194-01	B-110-SB01	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	E		3
Q1194-02	B-110-SB02	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	E		4
Q1194-03	B-113-SB01	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	E		5
Q1194-04	B-113-SB02	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		6
Q1194-04MS	B-113-SB02MS	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		U4-1
Q1194-04MSD	B-113-SB02MSD	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		2

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

1/29/25

166294
9:56

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1194S **WorkList ID :** 187201 **Department :** Extraction **Date :** 01-28-2025 08:32:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1194-01	B-110-SB01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	N41	01/25/2025	8270E
Q1194-02	B-110-SB02	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	N41	01/25/2025	8270E
Q1194-03	B-113-SB01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	N41	01/25/2025	8270E
Q1194-04	B-113-SB02	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	N41	01/25/2025	8270E

Date/Time 01/28/25 9:50
Raw Sample Received by: RJ (Ext lab)
Raw Sample Relinquished by: JD(SM)

Date/Time 01/28/25 10:15
Raw Sample Received by: JD(SM)
Raw Sample Relinquished by: RJ (Ext lab)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB166339

SOP ID:	M3510C,3580A-Extraction SVOC-20				
Clean Up SOP #:	N/A			**Extraction Start Date :**	01/29/2025
Matrix :	Water			**Extraction Start Time :**	08:40
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	01/29/2025
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	13:40
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3574	**Hood ID:**	4,6,7	**Supervisor By :**	rajesh

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

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6681
Surrogate	1.0ML	100/150 PPM	SP6638
LOD	1.0ML	N/A	SP6706
LOD	1.0ML	N/A	SP6708
LOQ	1.0ML	N/A	SP6707/6709

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3871
Baked Na2SO4	N/A	EP2580
10N NaoH	N/A	EP2559
H2SO4 1:1	N/A	EP2565
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673. p H Adjusted<2 with 1:1 H2SO4 &>11 with 10N NaOH. Q1194-08 Limited volume recd.

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

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/29/25	RP (Ext Tech)	AC/SVOC
13:45	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB166339

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

Concentration Date: 01/29/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166339BL	SBLK339	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1			SEP-01
PB166339BS	SLCS339	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1			2
PB166339BSD	SLCSD339	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1			3
Q1168-07	LOD-MDL-WATER-01-QT1-2025 APPM	SVOC-Chemtech Full -25	1000	6	RUPESH	rajesh	1			4
Q1168-08	LOQ-WATER-02-QT1-2025	SVOC-Chemtech Full -25	1000	6	RUPESH	rajesh	1			5
Q1194-08	EB	SVOC-TCL BNA -20	500	6	RUPESH	rajesh	0.5	D		6

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

1/29/25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1168E **WorkList ID :** 187244 **Department :** Extraction **Date :** 01-29-2025 08:28:59

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1168-03	MDL-SOIL-03-QT1-2025	Solid	EPH	Cool 4 deg C	CHEM02	QA Of	01/23/2025	NJEPH
Q1168-07	LOD-MDL-WATER-01-QT1-202	Water	SVOC-Chemtech Full -25	Cool 4 deg C	CHEM02	QA Of	01/23/2025	8270E
Q1168-08	LOQ-WATER-02-QT1-2025	Water	SVOC-Chemtech Full -25	Cool 4 deg C	CHEM02	QA Of	01/23/2025	8270E
Q1168-09	MDL-WATER-03-QT1-2025	Water	EPH	1:1 HCl to pH < 2	CHEM02	QA Of	01/23/2025	NJEPH

Date/Time 01/29/25 8:40

Raw Sample Received by: RJ CSA Lab

Raw Sample Relinquished by: CP SM

Date/Time 01/29/25 9:05

Raw Sample Received by: CP SM

Raw Sample Relinquished by: RJ CSA Lab

WORKLIST(Hardcopy Internal Chain)

WorkList Name : q1194sv **WorkList ID :** 187251 **Department :** Extraction **Date :** 01-29-2025 08:40:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1194-08	EB	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	N41	01/25/2025	8270E

Date/Time 01/29/25 8:40
Raw Sample Received by: RS (Eol only)
Raw Sample Relinquished by: CP SM

Date/Time 01/29/25 8:55
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RS (EOL only)

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

LAB CHRONICLE

OrderID:	Q1194	**OrderDate:**	1/27/2025 9:35:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	N41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1194-01	**B-110-SB01**	**SOIL**			**01/25/25**			**01/27/25**
			SVOC-TCL BNA -20	8270E		01/28/25	01/31/25	
Q1194-02	**B-110-SB02**	**SOIL**			**01/25/25**			**01/27/25**
			SVOC-TCL BNA -20	8270E		01/28/25	01/31/25	
Q1194-03	**B-113-SB01**	**SOIL**			**01/25/25**			**01/27/25**
			SVOC-TCL BNA -20	8270E		01/28/25	02/04/25	
Q1194-04	**B-113-SB02**	**SOIL**			**01/25/25**			**01/27/25**
			SVOC-TCL BNA -20	8270E		01/28/25	02/01/25	
Q1194-08	**EB**	**Water**			**01/25/25**			**01/27/25**
			SVOC-TCL BNA -20	8270E		01/29/25	02/03/25	