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

Hit Summary Sheet
SW-846

SDG No.: P5299

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : SB-01									
P5299-01	SB-01	SOIL	5-Eicosene, (E)-	*	250.000	J	0	0	ug/Kg
P5299-01	SB-01	SOIL	Benzophenone	*	320.000	J	0	0	ug/Kg
P5299-01	SB-01	SOIL	n-Hexadecanoic acid	*	230.000	J	0	0	ug/Kg
			Total Tics :		**800.00**				
			Total Concentration:		**800.00**				
Client ID : SB-02									
P5299-02	SB-02	SOIL	1-Octadecanesulphonyl chloride	*	110.000	J	0	0	ug/Kg
P5299-02	SB-02	SOIL	Benzophenone	*	410.000	J	0	0	ug/Kg
P5299-02	SB-02	SOIL	Decane, 2,6,7-trimethyl-	*	92.200	J	0	0	ug/Kg
P5299-02	SB-02	SOIL	n-Hexadecanoic acid	*	490.000	J	0	0	ug/Kg
P5299-02	SB-02	SOIL	n-Tetracosanol-1	*	460.000	J	0	0	ug/Kg
P5299-02	SB-02	SOIL	Octadecanoic acid	*	120.000	J	0	0	ug/Kg
P5299-02	SB-02	SOIL	Pentadecane	*	93.500	J	0	0	ug/Kg
P5299-02	SB-02	SOIL	Tetradecane	*	270.000	J	0	0	ug/Kg
P5299-02	SB-02	SOIL	Tridecane	*	170.000	J	0	0	ug/Kg
			Total Tics :		**2,215.70**				
			Total Concentration:		**2,215.70**				
Client ID : SB-01									
P5299-03	SB-01	SOIL	Tetradecane	*	2,200.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	Tridecane	*	940.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	Tridecane, 3-methyl-	*	200.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	Tridecane, 6-methyl-	*	360.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	Undecane, 2,6-dimethyl-	*	100.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	unknown8.404	*	280.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	2,6,10-Trimethyltridecane	*	870.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	2-Bromo dodecane	*	280.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	5-Eicosene, (E)-	*	350.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	6-Octadecenoic acid, (Z)-	*	210.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	Benzophenone	*	390.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	Decane	*	110.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	Dodecane, 2,6,10-trimethyl-	*	650.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	Dodecane, 2-methyl-	*	110.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	Dodecane, 4,6-dimethyl-	*	350.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	Hexadecane	*	200.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	n-Hexadecanoic acid	*	920.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	Octacosane, 2-methyl-	*	170.000	J	0	0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: P5299

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
P5299-03	SB-01	SOIL	Octadecanoic acid	*	380.000	J	0	0	ug/Kg
P5299-03	SB-01	SOIL	Pentadecane	*	920.000	J	0	0	ug/Kg
			Total Tics :		**9,990.00**				
			Total Concentration:		**9,990.00**				
Client ID : SB-02									
P5299-04	SB-02	SOIL	1-Nonadecene	*	450.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	9-Octadecenoic acid, (E)-	*	110.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Benzophenone	*	360.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Cyclohexane, 1,1-(1,4-butanediyl)	*	170.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Dodecane, 2,6,10-trimethyl-	*	310.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Eicosane	*	120.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Heptadecane	*	110.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Hexacosane	*	190.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Hexadecane	*	350.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	n-Hexadecanoic acid	*	890.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Nonadecane, 2-methyl-	*	100.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Nonane, 2,6-dimethyl-	*	260.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Octadecanoic acid	*	490.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Tetradecane	*	930.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	trans-Sinapyl alcohol	*	110.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Tridecane	*	440.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Tritetracontane	*	370.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	Undecane, 2,6-dimethyl-	*	130.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	unknown7.634	*	110.000	J	0	0	ug/Kg
P5299-04	SB-02	SOIL	unknown8.987	*	130.000	J	0	0	ug/Kg
			Total Tics :		**6,130.00**				
			Total Concentration:		**6,130.00**				

SAMPLE DATA

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:	12/14/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	78.5
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
BF140999.D	1	12/18/24 08:56	12/27/24 16:29	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	230	U	230	420	ug/Kg
108-95-2	Phenol	110	U	110	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	220	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	220	ug/Kg
95-48-7	2-Methylphenol	100	U	100	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	220	ug/Kg
98-86-2	Acetophenone	110	U	110	220	ug/Kg
65794-96-9	3+4-Methylphenols	100	U	100	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51.3	U	51.3	100	ug/Kg
67-72-1	Hexachloroethane	110	U	110	220	ug/Kg
98-95-3	Nitrobenzene	120	U	120	220	ug/Kg
78-59-1	Isophorone	110	U	110	220	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	220	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	220	ug/Kg
120-83-2	2,4-Dichlorophenol	96.1	U	96.1	220	ug/Kg
91-20-3	Naphthalene	110	U	110	220	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	220	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	220	ug/Kg
105-60-2	Caprolactam	110	U	110	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	98.6	U	98.6	220	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	U	200	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	90.8	U	90.8	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	94.1	U	94.1	220	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	220	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	220	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	220	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	220	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/14/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	78.5
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
BF140999.D	1	12/18/24 08:56	12/27/24 16:29	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	110	U	110	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	220	ug/Kg
99-09-2	3-Nitroaniline	110	UQ	110	220	ug/Kg
83-32-9	Acenaphthene	100	U	100	220	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	310	420	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	420	ug/Kg
132-64-9	Dibenzofuran	110	U	110	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	220	ug/Kg
84-66-2	Diethylphthalate	100	U	100	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	220	ug/Kg
86-73-7	Fluorene	110	U	110	220	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	100	U	100	220	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	220	ug/Kg
1912-24-9	Atrazine	120	U	120	220	ug/Kg
87-86-5	Pentachlorophenol	98.3	U	98.3	420	ug/Kg
85-01-8	Phenanthrene	110	U	110	220	ug/Kg
120-12-7	Anthracene	110	U	110	220	ug/Kg
86-74-8	Carbazole	100	U	100	220	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	220	ug/Kg
206-44-0	Fluoranthene	100	U	100	220	ug/Kg
129-00-0	Pyrene	110	U	110	220	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	130	UQ	130	420	ug/Kg
56-55-3	Benzo(a)anthracene	100	U	100	220	ug/Kg
218-01-9	Chrysene	100	U	100	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	220	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	U	100	220	ug/Kg

Raw Data: BF140999.D

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/14/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	78.5
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
BF140999.D	1	12/18/24 08:56	12/27/24 16:29	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	110	U	110	220	ug/Kg
50-32-8	Benzo(a)pyrene	120	U	120	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	99.4	U	99.4	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	U	100	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	220	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	95.0	U	95.0	220	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	78.5		30 (18) - 130 (112)	52%	SPK: 150
13127-88-3	Phenol-d6	79.6		30 (15) - 130 (107)	53%	SPK: 150
4165-60-0	Nitrobenzene-d5	64.6		30 (18) - 130 (107)	65%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.1		30 (20) - 130 (109)	53%	SPK: 100
118-79-6	2,4,6-Tribromophenol	86.6		30 (10) - 130 (116)	58%	SPK: 150
1718-51-0	Terphenyl-d14	53.0		30 (10) - 130 (105)	53%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	255000	6.822			
1146-65-2	Naphthalene-d8	1020000	8.104			
15067-26-2	Acenaphthene-d10	546000	9.857			
1517-22-2	Phenanthrene-d10	930000	11.339			
1719-03-5	Chrysene-d12	608000	13.98			
1520-96-3	Perylene-d12	541000	15.451			
TENTATIVE IDENTIFIED COMPOUNDS						
000119-61-9	Benzophenone	320	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	230	J		11.9	ug/Kg
074685-30-6	5-Eicosene, (E)-	250	J		13.8	ug/Kg

Raw Data: **BF140999.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/14/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	78.5
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
BF140999.D	1	12/18/24 08:56	12/27/24 16:29	PB165705

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:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	75.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140998.D	1	12/18/24 08:56	12/27/24 16:03	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	240	U	240	440	ug/Kg
108-95-2	Phenol	110	U	110	230	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	230	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	230	ug/Kg
95-48-7	2-Methylphenol	110	U	110	230	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	230	ug/Kg
98-86-2	Acetophenone	120	U	120	230	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	440	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	53.3	U	53.3	110	ug/Kg
67-72-1	Hexachloroethane	110	U	110	230	ug/Kg
98-95-3	Nitrobenzene	120	U	120	230	ug/Kg
78-59-1	Isophorone	110	U	110	230	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	230	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	230	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	230	ug/Kg
120-83-2	2,4-Dichlorophenol	99.9	U	99.9	230	ug/Kg
91-20-3	Naphthalene	110	U	110	230	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	230	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	230	ug/Kg
105-60-2	Caprolactam	110	U	110	440	ug/Kg
59-50-7	4-Chloro-3-methylphenol	100	U	100	230	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	230	ug/Kg
77-47-4	Hexachlorocyclopentadiene	210	U	210	440	ug/Kg
88-06-2	2,4,6-Trichlorophenol	94.5	U	94.5	230	ug/Kg
95-95-4	2,4,5-Trichlorophenol	97.9	U	97.9	230	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	230	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	230	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	230	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	230	ug/Kg

Raw Data: BF140998.D

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	75.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140998.D	1	12/18/24 08:56	12/27/24 16:03	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	110	U	110	230	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	230	ug/Kg
99-09-2	3-Nitroaniline	120	UQ	120	230	ug/Kg
83-32-9	Acenaphthene	110	U	110	230	ug/Kg
51-28-5	2,4-Dinitrophenol	320	U	320	440	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	440	ug/Kg
132-64-9	Dibenzofuran	110	U	110	230	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	230	ug/Kg
84-66-2	Diethylphthalate	110	U	110	230	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	230	ug/Kg
86-73-7	Fluorene	110	U	110	230	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	230	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	440	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	230	ug/Kg
101-55-3	4-Bromophenyl-phenylether	100	U	100	230	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	230	ug/Kg
1912-24-9	Atrazine	120	U	120	230	ug/Kg
87-86-5	Pentachlorophenol	100	U	100	440	ug/Kg
85-01-8	Phenanthrene	110	U	110	230	ug/Kg
120-12-7	Anthracene	110	U	110	230	ug/Kg
86-74-8	Carbazole	110	U	110	230	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	230	ug/Kg
206-44-0	Fluoranthene	110	U	110	230	ug/Kg
129-00-0	Pyrene	110	U	110	230	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	230	ug/Kg
91-94-1	3,3-Dichlorobenzidine	130	UQ	130	440	ug/Kg
56-55-3	Benzo(a)anthracene	110	U	110	230	ug/Kg
218-01-9	Chrysene	110	U	110	230	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	230	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	440	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	U	110	230	ug/Kg

Raw Data: BF140998.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:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	75.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140998.D	1	12/18/24 08:56	12/27/24 16:03	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	110	U	110	230	ug/Kg
50-32-8	Benzo(a)pyrene	120	U	120	230	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	100	U	100	230	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	230	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	230	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	230	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	230	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	98.9	U	98.9	230	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	106		30 (18) - 130 (112)	70%	SPK: 150
13127-88-3	Phenol-d6	103		30 (15) - 130 (107)	69%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.9		30 (18) - 130 (107)	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.8		30 (20) - 130 (109)	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	117		30 (10) - 130 (116)	78%	SPK: 150
1718-51-0	Terphenyl-d14	73.6		30 (10) - 130 (105)	74%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	249000	6.822			
1146-65-2	Naphthalene-d8	990000	8.104			
15067-26-2	Acenaphthene-d10	533000	9.857			
1517-22-2	Phenanthrene-d10	920000	11.339			
1719-03-5	Chrysene-d12	611000	13.98			
1520-96-3	Perylene-d12	533000	15.445			
TENTATIVE IDENTIFIED COMPOUNDS						
062108-25-2	Decane, 2,6,7-trimethyl-	92.2	J		8.53	ug/Kg
000629-50-5	Tridecane	170	J		8.70	ug/Kg
000629-59-4	Tetradecane	270	J		9.26	ug/Kg
1000342-70-4	1-Octadecanesulphonyl chloride	110	J		9.58	ug/Kg
000629-62-9	Pentadecane	93.5	J		9.79	ug/Kg
000119-61-9	Benzophenone	410	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	490	J		11.9	ug/Kg

Raw Data: BF140998.D

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	75.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140998.D	1	12/18/24 08:56	12/27/24 16:03	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000057-11-4	Octadecanoic acid	120	J		12.7	ug/Kg
000506-51-4	n-Tetracosanol-1	460	J		13.8	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: **BF140998.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	68.8
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
BF140997.D	1	12/18/24 08:56	12/27/24 15:26	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	260	U	260	480	ug/Kg
108-95-2	Phenol	120	U	120	250	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	250	ug/Kg
95-57-8	2-Chlorophenol	120	U	120	250	ug/Kg
95-48-7	2-Methylphenol	120	U	120	250	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	250	ug/Kg
98-86-2	Acetophenone	130	U	130	250	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	480	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	58.4	U	58.4	120	ug/Kg
67-72-1	Hexachloroethane	120	U	120	250	ug/Kg
98-95-3	Nitrobenzene	130	U	130	250	ug/Kg
78-59-1	Isophorone	120	U	120	250	ug/Kg
88-75-5	2-Nitrophenol	140	U	140	250	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	140	250	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	250	ug/Kg
120-83-2	2,4-Dichlorophenol	110	U	110	250	ug/Kg
91-20-3	Naphthalene	120	U	120	250	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	250	ug/Kg
87-68-3	Hexachlorobutadiene	120	U	120	250	ug/Kg
105-60-2	Caprolactam	130	U	130	480	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	110	250	ug/Kg
91-57-6	2-Methylnaphthalene	120	U	120	250	ug/Kg
77-47-4	Hexachlorocyclopentadiene	230	U	230	480	ug/Kg
88-06-2	2,4,6-Trichlorophenol	100	U	100	250	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	250	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	250	ug/Kg
91-58-7	2-Chloronaphthalene	120	U	120	250	ug/Kg
88-74-4	2-Nitroaniline	140	U	140	250	ug/Kg
131-11-3	Dimethylphthalate	120	U	120	250	ug/Kg

Raw Data: **BF140998.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	68.8
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
BF140997.D	1	12/18/24 08:56	12/27/24 15:26	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	130	U	130	250	ug/Kg
606-20-2	2,6-Dinitrotoluene	120	U	120	250	ug/Kg
99-09-2	3-Nitroaniline	130	UQ	130	250	ug/Kg
83-32-9	Acenaphthene	120	U	120	250	ug/Kg
51-28-5	2,4-Dinitrophenol	350	U	350	480	ug/Kg
100-02-7	4-Nitrophenol	170	U	170	480	ug/Kg
132-64-9	Dibenzofuran	120	U	120	250	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	250	ug/Kg
84-66-2	Diethylphthalate	120	U	120	250	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	250	ug/Kg
86-73-7	Fluorene	120	U	120	250	ug/Kg
100-01-6	4-Nitroaniline	160	U	160	250	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	170	U	170	480	ug/Kg
86-30-6	n-Nitrosodiphenylamine	120	U	120	250	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	250	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	250	ug/Kg
1912-24-9	Atrazine	130	U	130	250	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	480	ug/Kg
85-01-8	Phenanthrene	120	U	120	250	ug/Kg
120-12-7	Anthracene	120	U	120	250	ug/Kg
86-74-8	Carbazole	120	U	120	250	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	250	ug/Kg
206-44-0	Fluoranthene	120	U	120	250	ug/Kg
129-00-0	Pyrene	120	U	120	250	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	140	250	ug/Kg
91-94-1	3,3-Dichlorobenzidine	140	UQ	140	480	ug/Kg
56-55-3	Benzo(a)anthracene	120	U	120	250	ug/Kg
218-01-9	Chrysene	120	U	120	250	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	250	ug/Kg
117-84-0	Di-n-octyl phthalate	160	U	160	480	ug/Kg
205-99-2	Benzo(b)fluoranthene	120	U	120	250	ug/Kg

Raw Data: **BF140998.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	68.8
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
BF140997.D	1	12/18/24 08:56	12/27/24 15:26	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	120	U	120	250	ug/Kg
50-32-8	Benzo(a)pyrene	130	U	130	250	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	250	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	U	120	250	ug/Kg
191-24-2	Benzo(g,h,i)perylene	120	U	120	250	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	130	U	130	250	ug/Kg
123-91-1	1,4-Dioxane	160	U	160	250	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	110	U	110	250	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	149		30 (18) - 130 (112)	99%	SPK: 150
13127-88-3	Phenol-d6	144		30 (15) - 130 (107)	96%	SPK: 150
4165-60-0	Nitrobenzene-d5	125		30 (18) - 130 (107)	125%	SPK: 100
321-60-8	2-Fluorobiphenyl	89.3		30 (20) - 130 (109)	89%	SPK: 100
118-79-6	2,4,6-Tribromophenol	172		30 (10) - 130 (116)	115%	SPK: 150
1718-51-0	Terphenyl-d14	82.8		30 (10) - 130 (105)	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	239000	6.828			
1146-65-2	Naphthalene-d8	956000	8.104			
15067-26-2	Acenaphthene-d10	516000	9.857			
1517-22-2	Phenanthrene-d10	914000	11.339			
1719-03-5	Chrysene-d12	692000	13.974			
1520-96-3	Perylene-d12	585000	15.433			
TENTATIVE IDENTIFIED COMPOUNDS						
000124-18-5	Decane	110	J		6.66	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	100	J		8.17	ug/Kg
	unknown8.404	280	J		8.40	ug/Kg
001560-97-0	Dodecane, 2-methyl-	110	J		8.49	ug/Kg
061141-72-8	Dodecane, 4,6-dimethyl-	350	J		8.53	ug/Kg
000629-50-5	Tridecane	940	J		8.70	ug/Kg
001560-98-1	Octacosane, 2-methyl-	170	J		8.79	ug/Kg

Raw Data: **BF140998.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-01	SDG No.:	P5299
Lab Sample ID:	P5299-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	68.8
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
BF140997.D	1	12/18/24 08:56	12/27/24 15:26	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
013287-21-3	Tridecane, 6-methyl-	360	J		8.99	ug/Kg
013187-99-0	2-Bromo dodecane	280	J		9.06	ug/Kg
006418-41-3	Tridecane, 3-methyl-	200	J		9.10	ug/Kg
003891-98-3	Dodecane, 2,6,10-trimethyl-	650	J		9.13	ug/Kg
000629-59-4	Tetradecane	2200	J		9.26	ug/Kg
003891-99-4	2,6,10-Trimethyltridecane	870	J		9.58	ug/Kg
000629-62-9	Pentadecane	920	J		9.79	ug/Kg
000544-76-3	Hexadecane	200	J		10.3	ug/Kg
000119-61-9	Benzophenone	390	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	920	J		11.9	ug/Kg
000593-39-5	6-Octadecenoic acid, (Z)-	210	J		12.6	ug/Kg
000057-11-4	Octadecanoic acid	380	J		12.7	ug/Kg
074685-30-6	5-Eicosene, (E)-	350	J		13.8	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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	79.2
Sample Wt/Vol:	30.09 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
BF140996.D	1	12/18/24 08:56	12/27/24 15:00	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	230	U	230	420	ug/Kg
108-95-2	Phenol	100	U	100	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	210	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	210	ug/Kg
95-48-7	2-Methylphenol	100	U	100	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	210	ug/Kg
98-86-2	Acetophenone	110	U	110	210	ug/Kg
65794-96-9	3+4-Methylphenols	100	U	100	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50.7	U	50.7	100	ug/Kg
67-72-1	Hexachloroethane	100	U	100	210	ug/Kg
98-95-3	Nitrobenzene	110	U	110	210	ug/Kg
78-59-1	Isophorone	110	U	110	210	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	210	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	210	ug/Kg
120-83-2	2,4-Dichlorophenol	95.0	U	95.0	210	ug/Kg
91-20-3	Naphthalene	100	U	100	210	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	210	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	210	ug/Kg
105-60-2	Caprolactam	110	U	110	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	97.6	U	97.6	210	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	U	200	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	89.9	U	89.9	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	93.2	U	93.2	210	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	210	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	210	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	210	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	210	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	79.2
Sample Wt/Vol:	30.09 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
BF140996.D	1	12/18/24 08:56	12/27/24 15:00	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	110	U	110	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	210	ug/Kg
99-09-2	3-Nitroaniline	110	UQ	110	210	ug/Kg
83-32-9	Acenaphthene	100	U	100	210	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	310	420	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	420	ug/Kg
132-64-9	Dibenzofuran	110	U	110	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	210	ug/Kg
84-66-2	Diethylphthalate	100	U	100	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	210	ug/Kg
86-73-7	Fluorene	110	U	110	210	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	99.3	U	99.3	210	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	210	ug/Kg
1912-24-9	Atrazine	120	U	120	210	ug/Kg
87-86-5	Pentachlorophenol	97.3	U	97.3	420	ug/Kg
85-01-8	Phenanthrene	110	U	110	210	ug/Kg
120-12-7	Anthracene	110	U	110	210	ug/Kg
86-74-8	Carbazole	100	U	100	210	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	210	ug/Kg
206-44-0	Fluoranthene	100	U	100	210	ug/Kg
129-00-0	Pyrene	100	U	100	210	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	UQ	120	420	ug/Kg
56-55-3	Benzo(a)anthracene	100	U	100	210	ug/Kg
218-01-9	Chrysene	100	U	100	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	210	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	U	100	210	ug/Kg

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Report of Analysis

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Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	79.2
Sample Wt/Vol:	30.09 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
BF140996.D	1	12/18/24 08:56	12/27/24 15:00	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	100	U	100	210	ug/Kg
50-32-8	Benzo(a)pyrene	120	U	120	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	98.3	U	98.3	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	U	100	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	210	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	94.0	U	94.0	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	148		30 (18) - 130 (112)	98%	SPK: 150
13127-88-3	Phenol-d6	148		30 (15) - 130 (107)	99%	SPK: 150
4165-60-0	Nitrobenzene-d5	125		30 (18) - 130 (107)	125%	SPK: 100
321-60-8	2-Fluorobiphenyl	91.9		30 (20) - 130 (109)	92%	SPK: 100
118-79-6	2,4,6-Tribromophenol	174		30 (10) - 130 (116)	116%	SPK: 150
1718-51-0	Terphenyl-d14	94.4		30 (10) - 130 (105)	94%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	239000	6.822			
1146-65-2	Naphthalene-d8	934000	8.104			
15067-26-2	Acenaphthene-d10	502000	9.857			
1517-22-2	Phenanthrene-d10	863000	11.339			
1719-03-5	Chrysene-d12	558000	13.974			
1520-96-3	Perylene-d12	525000	15.433			
TENTATIVE IDENTIFIED COMPOUNDS						
	unknown7.634	110	J		7.63	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	130	J		8.17	ug/Kg
006165-44-2	Cyclohexane, 1,1-(1,4-butanediyl)	170	J		8.40	ug/Kg
017302-28-2	Nonane, 2,6-dimethyl-	260	J		8.53	ug/Kg
000629-50-5	Tridecane	440	J		8.70	ug/Kg
	unknown8.987	130	J		8.99	ug/Kg
001560-86-7	Nonadecane, 2-methyl-	100	J		9.06	ug/Kg

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Report of Analysis

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Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/16/24
Client Sample ID:	SB-02	SDG No.:	P5299
Lab Sample ID:	P5299-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	79.2
Sample Wt/Vol:	30.09 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
BF140996.D	1	12/18/24 08:56	12/27/24 15:00	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
003891-98-3	Dodecane, 2,6,10-trimethyl-	310	J		9.13	ug/Kg
000629-59-4	Tetradecane	930	J		9.26	ug/Kg
007098-21-7	Tritetracontane	370	J		9.58	ug/Kg
000544-76-3	Hexadecane	350	J		9.79	ug/Kg
000629-78-7	Heptadecane	110	J		10.3	ug/Kg
000119-61-9	Benzophenone	360	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	890	J		11.9	ug/Kg
020675-96-1	trans-Sinapyl alcohol	110	J		12.0	ug/Kg
000112-79-8	9-Octadecenoic acid, (E)-	110	J		12.6	ug/Kg
000057-11-4	Octadecanoic acid	490	J		12.7	ug/Kg
018435-45-5	1-Nonadecene	450	J		13.8	ug/Kg
000630-01-3	Hexacosane	190	J		14.2	ug/Kg
000112-95-8	Eicosane	120	J		14.6	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

QC SUMMARY

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

SW-846

SDG No.: P5299

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P5299-01	SB-01	2-Fluorophenol	150	78.5	52		30 (18)	130 (112)
		Phenol-d6	150	79.6	53		30 (15)	130 (107)
		Nitrobenzene-d5	100	64.6	65		30 (18)	130 (107)
		2-Fluorobiphenyl	100	53.1	53		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	86.6	58		30 (10)	130 (116)
		Terphenyl-d14	100	53.0	53		30 (10)	130 (105)
P5299-02	SB-02	2-Fluorophenol	150	106	70		30 (18)	130 (112)
		Phenol-d6	150	103	69		30 (15)	130 (107)
		Nitrobenzene-d5	100	86.9	87		30 (18)	130 (107)
		2-Fluorobiphenyl	100	70.8	71		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	117	78		30 (10)	130 (116)
		Terphenyl-d14	100	73.6	74		30 (10)	130 (105)
P5299-03	SB-01	2-Fluorophenol	150	149	99		30 (18)	130 (112)
		Phenol-d6	150	144	96		30 (15)	130 (107)
		Nitrobenzene-d5	100	125	125		30 (18)	130 (107)
		2-Fluorobiphenyl	100	89.3	89		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	172	115		30 (10)	130 (116)
		Terphenyl-d14	100	82.8	83		30 (10)	130 (105)
P5299-04	SB-02	2-Fluorophenol	150	148	98		30 (18)	130 (112)
		Phenol-d6	150	148	99		30 (15)	130 (107)
		Nitrobenzene-d5	100	125	125		30 (18)	130 (107)
		2-Fluorobiphenyl	100	91.9	92		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	174	116		30 (10)	130 (116)
		Terphenyl-d14	100	94.4	94		30 (10)	130 (105)
P5306-09MS	OU4-VSL-11-121224MS	2-Fluorophenol	150	131	88		30 (18)	130 (112)
		Phenol-d6	150	134	90		30 (15)	130 (107)
		Nitrobenzene-d5	100	89.0	89		30 (18)	130 (107)
		2-Fluorobiphenyl	100	84.0	84		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	122	82		30 (10)	130 (116)
		Terphenyl-d14	100	91.0	91		30 (10)	130 (105)
P5306-09MSD	OU4-VSL-11-121224MSD	2-Fluorophenol	150	142	95		30 (18)	130 (112)
		Phenol-d6	150	140	94		30 (15)	130 (107)
		Nitrobenzene-d5	100	89.7	90		30 (18)	130 (107)
		2-Fluorobiphenyl	100	86.8	87		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	134	90		30 (10)	130 (116)
		Terphenyl-d14	100	92.3	92		30 (10)	130 (105)
PB165705BL	PB165705BL	2-Fluorophenol	150	150	100		30 (18)	130 (112)
		Phenol-d6	150	153	102		30 (15)	130 (107)
		Nitrobenzene-d5	100	107	107		30 (18)	130 (107)
		2-Fluorobiphenyl	100	103	103		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	146	97		30 (10)	130 (116)
		Terphenyl-d14	100	110	110		30 (10)	130 (105)
PB165705BS	PB165705BS	2-Fluorophenol	150	143	96		30 (18)	130 (112)
		Phenol-d6	150	136	91		30 (15)	130 (107)
		Nitrobenzene-d5	100	91.6	92		30 (18)	130 (107)
		2-Fluorobiphenyl	100	105	105		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	135	90		30 (10)	130 (116)
		Terphenyl-d14	100	121	121		30 (10)	130 (105)

( ) = LABORATORY INHOUSE LIMIT

Alliance TECHNICAL GROUP
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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5299

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: P5306-09MS		**Client Sample ID: OU4-VSL-11-121224MS**						**DataFile: BF140948.D**			
Benzaldehyde	1800	0	550	ug/Kg	31				20 (10)	160 (86)	
Phenol	1800	0	2000	ug/Kg	111				20 (67)	160 (126)	
bis(2-Chloroethyl)ether	1800	0	1900	ug/Kg	106				70 (54)	130 (125)	
2-Chlorophenol	1800	0	2000	ug/Kg	111				70 (79)	130 (107)	
2-Methylphenol	1800	0	1900	ug/Kg	106				70 (66)	130 (122)	
2,2-oxybis(1-Chloropropane)	1800	0	1800	ug/Kg	100				70 (65)	130 (110)	
Acetophenone	1800	0	1900	ug/Kg	106				70 (75)	130 (111)	
3+4-Methylphenols	1800	0	2000	ug/Kg	111				20 (66)	160 (104)	
N-Nitroso-di-n-propylamine	1800	0	1900	ug/Kg	106				70 (59)	130 (119)	
Hexachloroethane	1800	0	1700	ug/Kg	94				20 (65)	160 (117)	
Nitrobenzene	1800	0	1800	ug/Kg	100				70 (70)	130 (119)	
Isophorone	1800	0	1800	ug/Kg	100				70 (76)	130 (122)	
2-Nitrophenol	1800	0	2000	ug/Kg	111				70 (54)	130 (145)	
2,4-Dimethylphenol	1800	0	2300	ug/Kg	128				70 (44)	130 (135)	
bis(2-Chloroethoxy)methane	1800	0	1800	ug/Kg	100				70 (68)	130 (112)	
2,4-Dichlorophenol	1800	0	1900	ug/Kg	106				70 (72)	130 (118)	
Naphthalene	1800	0	1800	ug/Kg	100				70 (72)	130 (110)	
4-Chloroaniline	1800	0	810	ug/Kg	45	*			70 (10)	130 (91)	
Hexachlorobutadiene	1800	0	1600	ug/Kg	89				70 (66)	130 (114)	
Caprolactam	1800	0	2000	ug/Kg	111				20 (51)	160 (134)	
4-Chloro-3-methylphenol	1800	0	1700	ug/Kg	94				70 (57)	130 (132)	
2-Methylnaphthalene	1800	0	1700	ug/Kg	94				70 (59)	130 (123)	
Hexachlorocyclopentadiene	3500	0	1500	ug/Kg	43				20 (10)	160 (175)	
2,4,6-Trichlorophenol	1800	0	1800	ug/Kg	100				70 (72)	130 (117)	
2,4,5-Trichlorophenol	1800	0	1800	ug/Kg	100				70 (72)	130 (117)	
1,1-Biphenyl	1800	0	1800	ug/Kg	100				70 (75)	130 (113)	
2-Chloronaphthalene	1800	0	1800	ug/Kg	100				70 (67)	130 (118)	
2-Nitroaniline	1800	0	1800	ug/Kg	100				70 (69)	130 (127)	
Dimethylphthalate	1800	0	1800	ug/Kg	100				70 (70)	130 (113)	
Acenaphthylene	1800	0	2000	ug/Kg	111				70 (79)	130 (118)	
2,6-Dinitrotoluene	1800	0	1800	ug/Kg	100				70 (70)	130 (125)	
3-Nitroaniline	1800	0	1100	ug/Kg	61	*			70 (30)	130 (99)	
Acenaphthene	1800	0	1900	ug/Kg	106				70 (70)	130 (121)	
2,4-Dinitrophenol	3500	0	3400	ug/Kg	97				20 (10)	160 (155)	
4-Nitrophenol	3500	0	3000	ug/Kg	86				20 (45)	160 (133)	
Dibenzofuran	1800	0	1900	ug/Kg	106				70 (72)	130 (110)	
2,4-Dinitrotoluene	1800	0	1900	ug/Kg	106				70 (55)	130 (128)	
Diethylphthalate	1800	0	1700	ug/Kg	94				70 (70)	130 (112)	
4-Chlorophenyl-phenylether	1800	0	1800	ug/Kg	100				70 (71)	130 (108)	
Fluorene	1800	0	1800	ug/Kg	100				70 (68)	130 (116)	
4-Nitroaniline	1800	0	1800	ug/Kg	100				70 (55)	130 (120)	
4,6-Dinitro-2-methylphenol	1800	0	2000	ug/Kg	111				70 (10)	130 (160)	
N-Nitrosodiphenylamine	1800	0	2000	ug/Kg	111				70 (73)	130 (118)	
4-Bromophenyl-phenylether	1800	0	1800	ug/Kg	100				70 (65)	130 (121)	
Hexachlorobenzene	1800	0	1800	ug/Kg	100				70 (67)	130 (118)	
Atrazine	1800	0	2200	ug/Kg	122				70 (79)	130 (127)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5299

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	3500	0	2800	ug/Kg	80				20 (47)	160 (128)	
Phenanthrene	1800	0	2000	ug/Kg	111				70 (52)	130 (128)	
Anthracene	1800	0	1900	ug/Kg	106				70 (62)	130 (124)	
Carbazole	1800	0	1900	ug/Kg	106				70 (59)	130 (119)	
Di-n-butylphthalate	1800	0	1800	ug/Kg	100				70 (69)	130 (118)	
Fluoranthene	1800	0	1700	ug/Kg	94				70 (44)	130 (125)	
Pyrene	1800	0	2000	ug/Kg	111				70 (26)	130 (142)	
Butylbenzylphthalate	1800	0	1900	ug/Kg	106				70 (64)	130 (126)	
3,3-Dichlorobenzidine	1800	0	1000	ug/Kg	56	*			70 (33)	130 (116)	
Benzo(a)anthracene	1800	0	1900	ug/Kg	106				70 (71)	130 (114)	
Chrysene	1800	0	1800	ug/Kg	100				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	1800	0	1700	ug/Kg	94				70 (42)	130 (169)	
Di-n-octyl phthalate	1800	0	1500	ug/Kg	83				70 (23)	130 (175)	
Benzo(b)fluoranthene	1800	0	1700	ug/Kg	94				70 (67)	130 (121)	
Benzo(k)fluoranthene	1800	0	2000	ug/Kg	111				70 (57)	130 (134)	
Benzo(a)pyrene	1800	0	2000	ug/Kg	111				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	1800	0	2400	ug/Kg	133	*			70 (40)	130 (129)	
Dibenz(a,h)anthracene	1800	0	2300	ug/Kg	128				70 (43)	130 (123)	
Benzo(g,h,i)perylene	1800	0	2200	ug/Kg	122				70 (24)	130 (125)	
1,2,4,5-Tetrachlorobenzene	1800	0	1800	ug/Kg	100				70 (69)	130 (124)	
1,4-Dioxane	1800	0	1400	ug/Kg	78				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	1800	0	1900	ug/Kg	106				70 (69)	130 (112)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5299

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: P5306-09MSD		**Client Sample ID: OU4-VSL-11-121224MSD**						**DataFile: BF140949.D**			
Benzaldehyde	1800	0	590	ug/Kg	33		6		20 (10)	160 (86)	30 (20)
Phenol	1800	0	2100	ug/Kg	117		5		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	1800	0	1900	ug/Kg	106		0		70 (54)	130 (125)	30 (20)
2-Chlorophenol	1800	0	2000	ug/Kg	111		0		70 (79)	130 (107)	30 (20)
2-Methylphenol	1800	0	2000	ug/Kg	111		5		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	1800	0	1900	ug/Kg	106		6		70 (65)	130 (110)	30 (20)
Acetophenone	1800	0	2000	ug/Kg	111		5		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	1800	0	2000	ug/Kg	111		0		20 (66)	160 (104)	30 (20)
N-Nitroso-di-n-propylamine	1800	0	1900	ug/Kg	106		0		70 (59)	130 (119)	30 (20)
Hexachloroethane	1800	0	1800	ug/Kg	100		6		20 (65)	160 (117)	30 (20)
Nitrobenzene	1800	0	1800	ug/Kg	100		0		70 (70)	130 (119)	30 (20)
Isophorone	1800	0	1900	ug/Kg	106		6		70 (76)	130 (122)	30 (20)
2-Nitrophenol	1800	0	2000	ug/Kg	111		0		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	1800	0	2300	ug/Kg	128		0		70 (44)	130 (135)	30 (20)
bis(2-Chloroethoxy)methane	1800	0	1800	ug/Kg	100		0		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	1800	0	2000	ug/Kg	111		5		70 (72)	130 (118)	30 (20)
Naphthalene	1800	0	1900	ug/Kg	106		6		70 (72)	130 (110)	30 (20)
4-Chloroaniline	1800	0	780	ug/Kg	43	*	5		70 (10)	130 (91)	30 (20)
Hexachlorobutadiene	1800	0	1700	ug/Kg	94		5		70 (66)	130 (114)	30 (20)
Caprolactam	1800	0	2100	ug/Kg	117		5		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	1800	0	1900	ug/Kg	106		12		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	1800	0	1900	ug/Kg	106		12		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	3600	0	1500	ug/Kg	42		2		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	1800	0	1900	ug/Kg	106		6		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	1800	0	1800	ug/Kg	100		0		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	1800	0	1900	ug/Kg	106		6		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	1800	0	1800	ug/Kg	100		0		70 (67)	130 (118)	30 (20)
2-Nitroaniline	1800	0	1900	ug/Kg	106		6		70 (69)	130 (127)	30 (20)
Dimethylphthalate	1800	0	1900	ug/Kg	106		6		70 (70)	130 (113)	30 (20)
Acenaphthylene	1800	0	2100	ug/Kg	117		5		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	1800	0	1800	ug/Kg	100		0		70 (70)	130 (125)	30 (20)
3-Nitroaniline	1800	0	1100	ug/Kg	61	*	0		70 (30)	130 (99)	30 (20)
Acenaphthene	1800	0	2000	ug/Kg	111		5		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	3600	0	3500	ug/Kg	97		0		20 (10)	160 (155)	30 (20)
4-Nitrophenol	3600	0	2900	ug/Kg	81		6		20 (45)	160 (133)	30 (20)
Dibenzofuran	1800	0	1900	ug/Kg	106		0		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	1800	0	1900	ug/Kg	106		0		70 (55)	130 (128)	30 (20)
Diethylphthalate	1800	0	1800	ug/Kg	100		6		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	1800	0	1800	ug/Kg	100		0		70 (71)	130 (108)	30 (20)
Fluorene	1800	0	1900	ug/Kg	106		6		70 (68)	130 (116)	30 (20)
4-Nitroaniline	1800	0	1800	ug/Kg	100		0		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	1800	0	2200	ug/Kg	122		9		70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	1800	0	2100	ug/Kg	117		5		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	1800	0	2000	ug/Kg	111		10		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	1800	0	2000	ug/Kg	111		10		70 (67)	130 (118)	30 (20)
Atrazine	1800	0	2500	ug/Kg	139	*	13		70 (79)	130 (127)	30 (20)

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5299

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	3600	0	3000	ug/Kg	83		4		20 (47)	160 (128)	30 (20)
Phenanthrene	1800	0	2100	ug/Kg	117		5		70 (52)	130 (128)	30 (20)
Anthracene	1800	0	2200	ug/Kg	122		14		70 (62)	130 (124)	30 (20)
Carbazole	1800	0	2100	ug/Kg	117		10		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	1800	0	1900	ug/Kg	106		6		70 (69)	130 (118)	30 (20)
Fluoranthene	1800	0	2000	ug/Kg	111		17		70 (44)	130 (125)	30 (20)
Pyrene	1800	0	2000	ug/Kg	111		0		70 (26)	130 (142)	30 (20)
Butylbenzylphthalate	1800	0	1900	ug/Kg	106		0		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	1800	0	1100	ug/Kg	61	*	9		70 (33)	130 (116)	30 (20)
Benzo(a)anthracene	1800	0	1900	ug/Kg	106		0		70 (71)	130 (114)	30 (20)
Chrysene	1800	0	1900	ug/Kg	106		6		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	1800	0	1800	ug/Kg	100		6		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	1800	0	1600	ug/Kg	89		7		70 (23)	130 (175)	30 (20)
Benzo(b)fluoranthene	1800	0	1900	ug/Kg	106		12		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	1800	0	2000	ug/Kg	111		0		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	1800	0	2100	ug/Kg	117		5		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	1800	0	2400	ug/Kg	133	*	0		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	1800	0	2400	ug/Kg	133	*	4		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	1800	0	2200	ug/Kg	122		0		70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	1800	0	1900	ug/Kg	106		6		70 (69)	130 (124)	30 (20)
1,4-Dioxane	1800	0	1700	ug/Kg	94		19		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	1800	0	2000	ug/Kg	111		5		70 (69)	130 (112)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5299

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF140944.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB165705BS	Benzaldehyde	1700	540	ug/Kg	32				20 (10)	160 (133)	
	Phenol	1700	1600	ug/Kg	94				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1700	ug/Kg	100				70 (60)	130 (101)	
	2-Chlorophenol	1700	1800	ug/Kg	106				70 (65)	130 (112)	
	2-Methylphenol	1700	1600	ug/Kg	94				70 (61)	130 (108)	
	2,2-oxybis(1-Chloropropane)	1700	1600	ug/Kg	94				70 (51)	130 (100)	
	Acetophenone	1700	1800	ug/Kg	106				70 (66)	130 (98)	
	3+4-Methylphenols	1700	1700	ug/Kg	100				20 (58)	160 (111)	
	N-Nitroso-di-n-propylamine	1700	1700	ug/Kg	100				70 (63)	130 (95)	
	Hexachloroethane	1700	1400	ug/Kg	82				20 (72)	160 (108)	
	Nitrobenzene	1700	1500	ug/Kg	88				70 (57)	130 (101)	
	Isophorone	1700	1700	ug/Kg	100				70 (59)	130 (99)	
	2-Nitrophenol	1700	1800	ug/Kg	106				70 (61)	130 (111)	
	2,4-Dimethylphenol	1700	2100	ug/Kg	124				70 (46)	130 (141)	
	bis(2-Chloroethoxy)methane	1700	1700	ug/Kg	100				70 (66)	130 (97)	
	2,4-Dichlorophenol	1700	1800	ug/Kg	106				70 (62)	130 (107)	
	Naphthalene	1700	1600	ug/Kg	94				70 (62)	130 (100)	
	4-Chloroaniline	1700	1200	ug/Kg	71				70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1600	ug/Kg	94				70 (53)	130 (98)	
	Caprolactam	1700	1700	ug/Kg	100				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				70 (58)	130 (112)	
	2-Methylnaphthalene	1700	1700	ug/Kg	100				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	2300	ug/Kg	70				20 (45)	160 (165)	
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				70 (61)	130 (98)	
	1,1-Biphenyl	1700	1600	ug/Kg	94				70 (57)	130 (103)	
	2-Chloronaphthalene	1700	1600	ug/Kg	94				70 (58)	130 (99)	
	2-Nitroaniline	1700	1600	ug/Kg	94				70 (66)	130 (101)	
	Dimethylphthalate	1700	1700	ug/Kg	100				70 (61)	130 (99)	
	Acenaphthylene	1700	1800	ug/Kg	106				70 (63)	130 (101)	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				70 (61)	130 (104)	
	3-Nitroaniline	1700	1100	ug/Kg	65		*		70 (28)	130 (100)	
	Acenaphthene	1700	1800	ug/Kg	106				70 (57)	130 (104)	
	2,4-Dinitrophenol	3300	2500	ug/Kg	76				20 (37)	160 (128)	
	4-Nitrophenol	3300	2400	ug/Kg	73				20 (48)	160 (119)	
	Dibenzofuran	1700	1700	ug/Kg	100				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				70 (60)	130 (106)	
	Diethylphthalate	1700	1700	ug/Kg	100				70 (60)	130 (101)	
	4-Chlorophenyl-phenylether	1700	1600	ug/Kg	94				70 (58)	130 (98)	
	Fluorene	1700	1500	ug/Kg	88				70 (61)	130 (101)	
	4-Nitroaniline	1700	1400	ug/Kg	82				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1900	ug/Kg	112				70 (71)	130 (99)	
	4-Bromophenyl-phenylether	1700	1800	ug/Kg	106				70 (66)	130 (102)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5299

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF140944.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB165705BS	Hexachlorobenzene	1700	1800	ug/Kg	106				70 (64)	130 (98)	
	Atrazine	1700	2200	ug/Kg	129				70 (47)	130 (152)	
	Pentachlorophenol	3300	2900	ug/Kg	88				20 (67)	160 (105)	
	Phenanthrene	1700	1900	ug/Kg	112				70 (59)	130 (103)	
	Anthracene	1700	2000	ug/Kg	118				70 (61)	130 (105)	
	Carbazole	1700	1900	ug/Kg	112				70 (61)	130 (99)	
	Di-n-butylphthalate	1700	1800	ug/Kg	106				70 (58)	130 (104)	
	Fluoranthene	1700	1900	ug/Kg	112				70 (57)	130 (107)	
	Pyrene	1700	1900	ug/Kg	112				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	2000	ug/Kg	118				70 (55)	130 (103)	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65		*		70 (42)	130 (91)	
	Benzo(a)anthracene	1700	1800	ug/Kg	106				70 (60)	130 (102)	
	Chrysene	1700	1800	ug/Kg	106				70 (59)	130 (101)	
	bis(2-Ethylhexyl)phthalate	1700	1800	ug/Kg	106				70 (54)	130 (135)	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				70 (52)	130 (137)	
	Benzo(b)fluoranthene	1700	1800	ug/Kg	106				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1800	ug/Kg	106				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1900	ug/Kg	112				70 (63)	130 (103)	
	Indeno(1,2,3-cd)pyrene	1700	2200	ug/Kg	129				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	2100	ug/Kg	124				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	2100	ug/Kg	124				70 (70)	130 (108)	
	1,2,4,5-Tetrachlorobenzene	1700	1800	ug/Kg	106				70 (53)	130 (101)	
	1,4-Dioxane	1700	1100	ug/Kg	65				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1800	ug/Kg	106				70 (59)	130 (108)	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165705BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG NO.: P5299

Lab File ID: BF140943.D Lab Sample ID: PB165705BL

Instrument ID: BNA_F Date Extracted: 12/18/2024

Matrix: (soil/water) SOIL Date Analyzed: 12/20/2024

Level: (low/med) LOW Time Analyzed: 11:41

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB165705BS	PB165705BS	BF140944.D	12/20/2024
SB-02	P5299-02	BF140998.D	12/27/2024
SB-01	P5299-01	BF140999.D	12/27/2024
SB-02	P5299-04	BF140996.D	12/27/2024
SB-01	P5299-03	BF140997.D	12/27/2024
OU4-VSL-11-121224MS	P5306-09MS	BF140948.D	12/20/2024
OU4-VSL-11-121224MSD	P5306-09MSD	BF140949.D	12/20/2024

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P5299 SDG NO.: P5299

Lab File ID: BF140854.D DFTPP Injection Date: 12/16/2024

Instrument ID: BNA_F DFTPP Injection Time: 11:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	35.6
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	28.9
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	13.6
442	Greater than 50% of mass 198	86.8
443	15.0 - 24.0% of mass 442	16.9 (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	BF140855.D	12/16/2024	12:13
SSTDICC005	SSTDICC005	BF140856.D	12/16/2024	12:39
SSTDICC010	SSTDICC010	BF140857.D	12/16/2024	13:05
SSTDICC020	SSTDICC020	BF140858.D	12/16/2024	14:00
SSTDICCC040	SSTDICCC040	BF140859.D	12/16/2024	14:26
SSTDICC050	SSTDICC050	BF140860.D	12/16/2024	15:23
SSTDICC060	SSTDICC060	BF140861.D	12/16/2024	15:49
SSTDICC080	SSTDICC080	BF140862.D	12/16/2024	16:15

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P5299 SDG NO.: P5299

Lab File ID: BF140941.D DFTPP Injection Date: 12/20/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	27.8
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	30.2
70	Less than 2.0% of mass 69	0.0 (0.0) 1
127	10.0 - 80.0% of mass 198	42.1
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	6.2
275	10.0 - 60.0% of mass 198	28.9
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	15.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.7 (18.7) 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	BF140942.D	12/20/2024	11:15
PB165705BL	PB165705BL	BF140943.D	12/20/2024	11:41
PB165705BS	PB165705BS	BF140944.D	12/20/2024	12:07
OU4-VSL-11-121224MS	P5306-09MS	BF140948.D	12/20/2024	14:10
OU4-VSL-11-121224MSD	P5306-09MSD	BF140949.D	12/20/2024	14:36

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P5299 SDG NO.: P5299

Lab File ID: BF140969.D DFTPP Injection Date: 12/26/2024

Instrument ID: BNA_F DFTPP Injection Time: 15:57

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.4
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.5
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	47.8
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	27.2
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	14.3
442	Greater than 50% of mass 198	90.5
443	15.0 - 24.0% of mass 442	17.8 (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
SSTDICC2.5	SSTDICC2.5	BF140970.D	12/26/2024	16:23
SSTDICC005	SSTDICC005	BF140971.D	12/26/2024	16:49
SSTDICC010	SSTDICC010	BF140972.D	12/26/2024	17:15
SSTDICC020	SSTDICC020	BF140973.D	12/26/2024	17:41
SSTDICCC040	SSTDICCC040	BF140974.D	12/26/2024	18:06
SSTDICC050	SSTDICC050	BF140975.D	12/26/2024	18:33
SSTDICC060	SSTDICC060	BF140976.D	12/26/2024	18:59
SSTDICC080	SSTDICC080	BF140977.D	12/26/2024	19:25

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: P5299 SDG NO.: P5299

Lab File ID: BF140993.D DFTPP Injection Date: 12/27/2024

Instrument ID: BNA_F DFTPP Injection Time: 13:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	39.9
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	37.1
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	49
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	27.3
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	13.2
442	Greater than 50% of mass 198	84.7
443	15.0 - 24.0% of mass 442	16.2 (19.1) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF140994.D	12/27/2024	13:59
SB-02	P5299-04	BF140996.D	12/27/2024	15:00
SB-01	P5299-03	BF140997.D	12/27/2024	15:26
SB-02	P5299-02	BF140998.D	12/27/2024	16:03
SB-01	P5299-01	BF140999.D	12/27/2024	16:29

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG NO.: P5299

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/20/2024

Lab File ID: BF140942.D Time Analyzed: 11:15

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	74814	6.851	271589	8.13	162319	9.89
	UPPER LIMIT	149628	7.351	543178	8.634	324638	10.386
	LOWER LIMIT	37407	6.351	135795	7.634	81159.5	9.386
	EPA SAMPLE NO.						
01	OU4-VSL-11-121224MS	55385	6.85	209218	8.13	115521	9.89
02	OU4-VSL-11-121224MSD	45949	6.85	175670	8.13	102157	9.89
03	PB165705BL	64872	6.85	228592	8.13	136709	9.89
04	PB165705BS	71247	6.85	255665	8.13	141292	9.89

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.: P5299 SAS No.: P5299 SDG NO.: P5299

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/20/2024

Lab File ID: BF140942.D Time Analyzed: 11:15

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	282660	11.38	164316	14.033	129329	15.533
	UPPER LIMIT	565320	11.88	328632	14.533	258658	16.033
	LOWER LIMIT	141330	10.88	82158	13.533	64664.5	15.033
	EPA SAMPLE NO.						
01	OU4-VSL-11-121224MS	219277	11.38	133308	14.03	114231	15.52
02	OU4-VSL-11-121224MSD	188148	11.38	131096	14.05	113765	15.56
03	PB165705BL	270487	11.38	174504	14.03	118300	15.52
04	PB165705BS	237962	11.38	149220	14.03	113763	15.52

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.: P5299 SAS No.: P5299 SDG NO.: P5299

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/27/2024

Lab File ID: BF140994.D Time Analyzed: 13:59

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	288140	6.828	1113820	8.11	585823	9.86
	UPPER LIMIT	576280	7.328	2227640	8.61	1171650	10.363
	LOWER LIMIT	144070	6.328	556910	7.61	292912	9.363
	EPA SAMPLE NO.						
01	SB-01	254834	6.82	1020670	8.10	546385	9.86
02	SB-02	248948	6.82	990169	8.10	532678	9.86
03	SB-01	238907	6.83	955704	8.10	516337	9.86
04	SB-02	239225	6.82	933657	8.10	501639	9.86

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.: P5299 SAS No.: P5299 SDG NO.: P5299

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/27/2024

Lab File ID: BF140994.D Time Analyzed: 13:59

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1000380	11.345	654182	13.986	576625	15.433
	UPPER LIMIT	2000760	11.845	1308360	14.486	1153250	15.933
	LOWER LIMIT	500190	10.845	327091	13.486	288313	14.933
	EPA SAMPLE NO.						
01	SB-01	930453	11.34	608004	13.98	540868	15.45
02	SB-02	920169	11.34	611482	13.98	533372	15.45
03	SB-01	913709	11.34	692228	13.97	585265	15.43
04	SB-02	863212	11.34	557903	13.97	525276	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: **BF140943.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165705BL	SDG No.:	P5299
Lab Sample ID:	PB165705BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140943.D	1	12/18/24 08:56	12/20/24 11:41	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	330	ug/Kg
108-95-2	Phenol	82.8	U	82.8	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.6	U	83.6	170	ug/Kg
95-57-8	2-Chlorophenol	83.4	U	83.4	170	ug/Kg
95-48-7	2-Methylphenol	80.5	U	80.5	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.8	U	90.8	170	ug/Kg
98-86-2	Acetophenone	86.8	U	86.8	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.7	U	79.7	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	79.9	ug/Kg
67-72-1	Hexachloroethane	82.9	U	82.9	170	ug/Kg
98-95-3	Nitrobenzene	90.7	U	90.7	170	ug/Kg
78-59-1	Isophorone	84.5	U	84.5	170	ug/Kg
88-75-5	2-Nitrophenol	94.4	U	94.4	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.1	U	93.1	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.7	U	85.7	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.4	U	75.4	170	ug/Kg
91-20-3	Naphthalene	82.5	U	82.5	170	ug/Kg
106-47-8	4-Chloroaniline	82.5	U	82.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.2	U	83.2	170	ug/Kg
105-60-2	Caprolactam	86.7	U	86.7	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.4	U	77.4	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.4	U	82.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	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	87.3	U	87.3	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.2	U	83.2	170	ug/Kg
88-74-4	2-Nitroaniline	94.9	U	94.9	170	ug/Kg
131-11-3	Dimethylphthalate	81.6	U	81.6	170	ug/Kg

Raw Data: **BF140943.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165705BL	SDG No.:	P5299
Lab Sample ID:	PB165705BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140943.D	1	12/18/24 08:56	12/20/24 11:41	PB165705

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

Raw Data: **BF140943.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165705BL	SDG No.:	P5299
Lab Sample ID:	PB165705BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140943.D	1	12/18/24 08:56	12/20/24 11:41	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.0	U	78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.0	U	80.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	150		30 (18) - 130 (112)	100%	SPK: 150
13127-88-3	Phenol-d6	153		30 (15) - 130 (107)	102%	SPK: 150
4165-60-0	Nitrobenzene-d5	107		30 (18) - 130 (107)	107%	SPK: 100
321-60-8	2-Fluorobiphenyl	103		30 (20) - 130 (109)	103%	SPK: 100
118-79-6	2,4,6-Tribromophenol	146		30 (10) - 130 (116)	97%	SPK: 150
1718-51-0	Terphenyl-d14	110		30 (10) - 130 (105)	110%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	64900	6.845			
1146-65-2	Naphthalene-d8	229000	8.128			
15067-26-2	Acenaphthene-d10	137000	9.886			
1517-22-2	Phenanthrene-d10	270000	11.375			
1719-03-5	Chrysene-d12	175000	14.027			
1520-96-3	Perylene-d12	118000	15.521			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	180	J		2.23	ug/Kg

Raw Data: **BF140943.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024			Date Received:	
Client Sample ID:	PB165705BL			SDG No.:	P5299
Lab Sample ID:	PB165705BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140943.D	1	12/18/24 08:56	12/20/24 11:41	PB165705

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: **BF140944.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165705BS	SDG No.:	P5299
Lab Sample ID:	PB165705BS	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
BF140944.D	1	12/18/24 08:56	12/20/24 12:07	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	540		180	330	ug/Kg
108-95-2	Phenol	1600		82.9	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		83.7	170	ug/Kg
95-57-8	2-Chlorophenol	1800		83.5	170	ug/Kg
95-48-7	2-Methylphenol	1600		80.6	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		90.9	170	ug/Kg
98-86-2	Acetophenone	1800		86.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	1700		79.8	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		40.3	80.0	ug/Kg
67-72-1	Hexachloroethane	1400		83.0	170	ug/Kg
98-95-3	Nitrobenzene	1500		90.8	170	ug/Kg
78-59-1	Isophorone	1700		84.6	170	ug/Kg
88-75-5	2-Nitrophenol	1800		94.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	2100		93.2	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		85.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1800		75.5	170	ug/Kg
91-20-3	Naphthalene	1600		82.6	170	ug/Kg
106-47-8	4-Chloroaniline	1200		82.6	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		83.3	170	ug/Kg
105-60-2	Caprolactam	1700		86.8	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	1700		82.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2300		160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		74.0	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		87.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		83.3	170	ug/Kg
88-74-4	2-Nitroaniline	1600		95.0	170	ug/Kg
131-11-3	Dimethylphthalate	1700		81.7	170	ug/Kg

Raw Data: **BF140944.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165705BS	SDG No.:	P5299
Lab Sample ID:	PB165705BS	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
BF140944.D	1	12/18/24 08:56	12/20/24 12:07	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1800		86.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		83.2	170	ug/Kg
99-09-2	3-Nitroaniline	1100		89.2	170	ug/Kg
83-32-9	Acenaphthene	1800		81.1	170	ug/Kg
51-28-5	2,4-Dinitrophenol	2500		240	330	ug/Kg
100-02-7	4-Nitrophenol	2400		120	330	ug/Kg
132-64-9	Dibenzofuran	1700		84.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		86.2	170	ug/Kg
84-66-2	Diethylphthalate	1700		80.1	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		85.6	170	ug/Kg
86-73-7	Fluorene	1500		85.5	170	ug/Kg
100-01-6	4-Nitroaniline	1400		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1900		81.6	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		78.9	170	ug/Kg
118-74-1	Hexachlorobenzene	1800		85.0	170	ug/Kg
1912-24-9	Atrazine	2200		91.4	170	ug/Kg
87-86-5	Pentachlorophenol	2900	E	77.3	330	ug/Kg
85-01-8	Phenanthrene	1900		84.0	170	ug/Kg
120-12-7	Anthracene	2000		84.4	170	ug/Kg
86-74-8	Carbazole	1900		80.3	170	ug/Kg
84-74-2	Di-n-butylphthalate	1800		84.3	170	ug/Kg
206-44-0	Fluoranthene	1900		81.7	170	ug/Kg
129-00-0	Pyrene	1900		83.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	2000		96.8	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		98.6	330	ug/Kg
56-55-3	Benzo(a)anthracene	1800		80.7	170	ug/Kg
218-01-9	Chrysene	1800		79.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		91.0	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		81.1	170	ug/Kg

Raw Data: **BF140944.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165705BS	SDG No.:	P5299
Lab Sample ID:	PB165705BS	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
BF140944.D	1	12/18/24 08:56	12/20/24 12:07	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1800		82.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	1900		93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2200		78.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2100		81.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2100		80.1	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		86.8	170	ug/Kg
123-91-1	1,4-Dioxane	1100		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	143		30 (18) - 130 (112)	96%	SPK: 150
13127-88-3	Phenol-d6	136		30 (15) - 130 (107)	91%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.6		30 (18) - 130 (107)	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	105		30 (20) - 130 (109)	105%	SPK: 100
118-79-6	2,4,6-Tribromophenol	135		30 (10) - 130 (116)	90%	SPK: 150
1718-51-0	Terphenyl-d14	121		30 (10) - 130 (105)	121%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	71200	6.851			
1146-65-2	Naphthalene-d8	256000	8.128			
15067-26-2	Acenaphthene-d10	141000	9.886			
1517-22-2	Phenanthrene-d10	238000	11.38			
1719-03-5	Chrysene-d12	149000	14.033			
1520-96-3	Perylene-d12	114000	15.521			

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:	12/12/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-11-121224MS	SDG No.:	P5299
Lab Sample ID:	P5306-09MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.6
Sample Wt/Vol:	30.1 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
BF140948.D	1	12/18/24 08:56	12/20/24 14:10	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	550		190	350	ug/Kg
108-95-2	Phenol	2000		88.3	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1900		89.1	180	ug/Kg
95-57-8	2-Chlorophenol	2000		88.9	180	ug/Kg
95-48-7	2-Methylphenol	1900		85.8	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1800		96.8	180	ug/Kg
98-86-2	Acetophenone	1900		92.5	180	ug/Kg
65794-96-9	3+4-Methylphenols	2000		85.0	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1900		42.9	85.2	ug/Kg
67-72-1	Hexachloroethane	1700		88.4	180	ug/Kg
98-95-3	Nitrobenzene	1800		96.7	180	ug/Kg
78-59-1	Isophorone	1800		90.1	180	ug/Kg
88-75-5	2-Nitrophenol	2000		100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	2300		99.2	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		91.4	180	ug/Kg
120-83-2	2,4-Dichlorophenol	1900		80.4	180	ug/Kg
91-20-3	Naphthalene	1800		88.0	180	ug/Kg
106-47-8	4-Chloroaniline	810		88.0	180	ug/Kg
87-68-3	Hexachlorobutadiene	1600		88.7	180	ug/Kg
105-60-2	Caprolactam	2000		92.4	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		82.5	180	ug/Kg
91-57-6	2-Methylnaphthalene	1700		87.8	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1500		170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1800		76.0	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		78.8	180	ug/Kg
92-52-4	1,1-Biphenyl	1800		93.1	180	ug/Kg
91-58-7	2-Chloronaphthalene	1800		88.7	180	ug/Kg
88-74-4	2-Nitroaniline	1800		100	180	ug/Kg
131-11-3	Dimethylphthalate	1800		87.0	180	ug/Kg

Raw Data: **BF140948.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/12/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-11-121224MS	SDG No.:	P5299
Lab Sample ID:	P5306-09MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.6
Sample Wt/Vol:	30.1 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
BF140948.D	1	12/18/24 08:56	12/20/24 14:10	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	2000		92.1	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		88.6	180	ug/Kg
99-09-2	3-Nitroaniline	1100		95.0	180	ug/Kg
83-32-9	Acenaphthene	1900		86.4	180	ug/Kg
51-28-5	2,4-Dinitrophenol	3400	E	260	350	ug/Kg
100-02-7	4-Nitrophenol	3000	E	120	350	ug/Kg
132-64-9	Dibenzofuran	1900		89.9	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		91.8	180	ug/Kg
84-66-2	Diethylphthalate	1700		85.3	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		91.1	180	ug/Kg
86-73-7	Fluorene	1800		91.0	180	ug/Kg
100-01-6	4-Nitroaniline	1800		110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2000		120	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2000		86.9	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		84.0	180	ug/Kg
118-74-1	Hexachlorobenzene	1800		90.5	180	ug/Kg
1912-24-9	Atrazine	2200		97.3	180	ug/Kg
87-86-5	Pentachlorophenol	2800		82.3	350	ug/Kg
85-01-8	Phenanthrene	2000		89.4	180	ug/Kg
120-12-7	Anthracene	1900		89.9	180	ug/Kg
86-74-8	Carbazole	1900		85.5	180	ug/Kg
84-74-2	Di-n-butylphthalate	1800		89.8	180	ug/Kg
206-44-0	Fluoranthene	1700		87.0	180	ug/Kg
129-00-0	Pyrene	2000		88.4	180	ug/Kg
85-68-7	Butylbenzylphthalate	1900		100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000		100	350	ug/Kg
56-55-3	Benzo(a)anthracene	1900		85.9	180	ug/Kg
218-01-9	Chrysene	1800		84.7	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		96.9	180	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		86.4	180	ug/Kg

Raw Data: **BF140948.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/12/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-11-121224MS	SDG No.:	P5299
Lab Sample ID:	P5306-09MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.6
Sample Wt/Vol:	30.1 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
BF140948.D	1	12/18/24 08:56	12/20/24 14:10	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	2000		88.0	180	ug/Kg
50-32-8	Benzo(a)pyrene	2000		99.0	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2400		83.2	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2300		86.5	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2200		85.3	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		92.4	180	ug/Kg
123-91-1	1,4-Dioxane	1400		120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		79.5	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	131		30 (18) - 130 (112)	88%	SPK: 150
13127-88-3	Phenol-d6	134		30 (15) - 130 (107)	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.0		30 (18) - 130 (107)	89%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.0		30 (20) - 130 (109)	84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	122		30 (10) - 130 (116)	82%	SPK: 150
1718-51-0	Terphenyl-d14	91.0		30 (10) - 130 (105)	91%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	55400	6.851			
1146-65-2	Naphthalene-d8	209000	8.128			
15067-26-2	Acenaphthene-d10	116000	9.886			
1517-22-2	Phenanthrene-d10	219000	11.38			
1719-03-5	Chrysene-d12	133000	14.033			
1520-96-3	Perylene-d12	114000	15.521			

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:	12/12/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-11-121224MSD	SDG No.:	P5299
Lab Sample ID:	P5306-09MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140949.D	1	12/18/24 08:56	12/20/24 14:36	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	590		190	350	ug/Kg
108-95-2	Phenol	2100		88.3	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1900		89.2	180	ug/Kg
95-57-8	2-Chlorophenol	2000		89.0	180	ug/Kg
95-48-7	2-Methylphenol	2000		85.9	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1900		96.9	180	ug/Kg
98-86-2	Acetophenone	2000		92.6	180	ug/Kg
65794-96-9	3+4-Methylphenols	2000		85.0	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1900		42.9	85.2	ug/Kg
67-72-1	Hexachloroethane	1800		88.4	180	ug/Kg
98-95-3	Nitrobenzene	1800		96.8	180	ug/Kg
78-59-1	Isophorone	1900		90.1	180	ug/Kg
88-75-5	2-Nitrophenol	2000		100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	2300		99.3	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		91.4	180	ug/Kg
120-83-2	2,4-Dichlorophenol	2000		80.4	180	ug/Kg
91-20-3	Naphthalene	1900		88.0	180	ug/Kg
106-47-8	4-Chloroaniline	780		88.0	180	ug/Kg
87-68-3	Hexachlorobutadiene	1700		88.8	180	ug/Kg
105-60-2	Caprolactam	2100		92.5	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1900		82.6	180	ug/Kg
91-57-6	2-Methylnaphthalene	1900		87.9	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1500		170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1900		76.1	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		78.8	180	ug/Kg
92-52-4	1,1-Biphenyl	1900		93.1	180	ug/Kg
91-58-7	2-Chloronaphthalene	1800		88.8	180	ug/Kg
88-74-4	2-Nitroaniline	1900		100	180	ug/Kg
131-11-3	Dimethylphthalate	1900		87.1	180	ug/Kg

Raw Data: **BF140949.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/12/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-11-121224MSD	SDG No.:	P5299
Lab Sample ID:	P5306-09MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140949.D	1	12/18/24 08:56	12/20/24 14:36	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	2100		92.2	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		88.7	180	ug/Kg
99-09-2	3-Nitroaniline	1100		95.0	180	ug/Kg
83-32-9	Acenaphthene	2000		86.4	180	ug/Kg
51-28-5	2,4-Dinitrophenol	3500	E	260	350	ug/Kg
100-02-7	4-Nitrophenol	2900	E	120	350	ug/Kg
132-64-9	Dibenzofuran	1900		89.9	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		91.8	180	ug/Kg
84-66-2	Diethylphthalate	1800		85.3	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		91.2	180	ug/Kg
86-73-7	Fluorene	1900		91.1	180	ug/Kg
100-01-6	4-Nitroaniline	1800		110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2200		120	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2100		86.9	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2000		84.1	180	ug/Kg
118-74-1	Hexachlorobenzene	2000		90.6	180	ug/Kg
1912-24-9	Atrazine	2500		97.4	180	ug/Kg
87-86-5	Pentachlorophenol	3000	E	82.4	350	ug/Kg
85-01-8	Phenanthrene	2100		89.5	180	ug/Kg
120-12-7	Anthracene	2200		89.9	180	ug/Kg
86-74-8	Carbazole	2100		85.6	180	ug/Kg
84-74-2	Di-n-butylphthalate	1900		89.8	180	ug/Kg
206-44-0	Fluoranthene	2000		87.1	180	ug/Kg
129-00-0	Pyrene	2000		88.4	180	ug/Kg
85-68-7	Butylbenzylphthalate	1900		100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		110	350	ug/Kg
56-55-3	Benzo(a)anthracene	1900		86.0	180	ug/Kg
218-01-9	Chrysene	1900		84.7	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		97.0	180	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		86.4	180	ug/Kg

Raw Data: **BF140949.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	12/12/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	12/17/24
Client Sample ID:	OU4-VSL-11-121224MSD	SDG No.:	P5299
Lab Sample ID:	P5306-09MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140949.D	1	12/18/24 08:56	12/20/24 14:36	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	2000		88.0	180	ug/Kg
50-32-8	Benzo(a)pyrene	2100		99.1	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2400		83.2	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2400		86.5	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2200		85.3	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		92.5	180	ug/Kg
123-91-1	1,4-Dioxane	1700		120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2000		79.6	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	142		30 (18) - 130 (112)	95%	SPK: 150
13127-88-3	Phenol-d6	140		30 (15) - 130 (107)	94%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.7		30 (18) - 130 (107)	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	86.8		30 (20) - 130 (109)	87%	SPK: 100
118-79-6	2,4,6-Tribromophenol	134		30 (10) - 130 (116)	90%	SPK: 150
1718-51-0	Terphenyl-d14	92.3		30 (10) - 130 (105)	92%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	45900	6.851			
1146-65-2	Naphthalene-d8	176000	8.128			
15067-26-2	Acenaphthene-d10	102000	9.886			
1517-22-2	Phenanthrene-d10	188000	11.38			
1719-03-5	Chrysene-d12	131000	14.045			
1520-96-3	Perylene-d12	114000	15.562			

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-BF121624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 16 16:59:50 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF140855.D 5 =BF140856.D 10 =BF140857.D 20 =BF140858.D 40 =BF140859.D 50 =BF140860.D 60 =BF140861.D 80 =BF1408
62.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.547	0.536	0.537	0.503	0.520	0.527	0.492	0.523	3.76
3)		Pyridine		1.203	1.182	1.284	1.222	1.221	1.235	1.136	1.212	3.78
4)		n-Nitrosodimet...		0.598	0.593	0.626	0.603	0.621	0.648	0.587	0.611	3.58
5)	S	2-Fluorophenol		1.211	1.236	1.279	1.199	1.231	1.242	1.107	1.215	4.45
6)		Aniline		1.408	1.461	1.448	1.374	1.364	1.369	1.208	1.376	6.06
7)	S	Phenol-d6		1.692	1.661	1.661	1.567	1.576	1.623	1.485	1.609	4.45
8)		2-Chlorophenol		1.343	1.379	1.357	1.301	1.313	1.351	1.230	1.325	3.75
9)		Benzaldehyde		1.048	1.051	0.993	0.864	0.823	0.800	0.663	0.892	16.27
10)	C	Phenol		1.756	1.690	1.733	1.630	1.643	1.688	1.534	1.668	4.44
11)		bis(2-Chloroet...		1.277	1.242	1.281	1.227	1.237	1.267	1.176	1.244	2.93
12)		1,3-Dichlorobe...		1.584	1.540	1.557	1.469	1.495	1.530	1.394	1.510	4.21
13)	C	1,4-Dichlorobe...		1.607	1.601	1.583	1.497	1.495	1.546	1.397	1.532	4.91
14)		1,2-Dichlorobe...		1.521	1.495	1.509	1.436	1.403	1.434	1.322	1.446	4.86
15)		Benzyl Alcohol		1.146	1.143	1.236	1.150	1.143	1.179	1.056	1.151	4.64
16)		2,2'-oxybis(1-...		1.563	1.495	1.519	1.438	1.438	1.443	1.359	1.465	4.53
17)		2-Methylphenol		1.081	1.105	1.080	1.039	1.039	1.067	0.993	1.058	3.51
18)		Hexachloroethane		0.600	0.580	0.585	0.556	0.557	0.580	0.535	0.570	3.86
19)	P	n-Nitroso-di-n...	1.005	1.030	1.004	0.999	0.922	0.938	0.949	0.873	0.965	5.52
20)		3+4-Methylphenols		1.503	1.491	1.440	1.355	1.360	1.396	1.273	1.403	5.82
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.526	0.503	0.520	0.493	0.496	0.518	0.446	0.500	5.41
23)	S	Nitrobenzene-d5		0.406	0.401	0.420	0.393	0.397	0.415	0.366	0.400	4.42
24)		Nitrobenzene		0.418	0.411	0.425	0.402	0.408	0.429	0.375	0.410	4.40
25)		Isophorone		0.681	0.672	0.690	0.651	0.664	0.700	0.631	0.670	3.55
26)	C	2-Nitrophenol		0.183	0.185	0.193	0.187	0.191	0.201	0.180	0.189	3.79
27)		2,4-Dimethylph...		0.221	0.220	0.225	0.220	0.219	0.228	0.210	0.220	2.61
28)		bis(2-Chloroet...		0.431	0.414	0.429	0.417	0.418	0.426	0.394	0.418	3.04
29)	C	2,4-Dichloroph...		0.300	0.310	0.313	0.299	0.301	0.316	0.290	0.304	3.07
30)		1,2,4-Trichlor...		0.360	0.354	0.357	0.341	0.342	0.362	0.325	0.349	3.77
31)		Naphthalene		1.138	1.125	1.126	1.067	1.090	1.124	1.020	1.099	3.86
32)		Benzoic acid			0.173	0.192	0.212	0.220	0.237	0.220	0.209	10.98
33)		4-Chloroaniline		0.371	0.375	0.377	0.361	0.358	0.363	0.349	0.365	2.74
34)	C	Hexachlorobuta...		0.239	0.235	0.244	0.232	0.233	0.239	0.219	0.235	3.42
35)		Caprolactam		0.085	0.090	0.090	0.090	0.089	0.092	0.097	0.091	3.88
36)	C	4-Chloro-3-met...		0.342	0.347	0.347	0.338	0.332	0.342	0.348	0.342	1.72
37)		2-Methylnaphth...		0.744	0.734	0.740	0.721	0.700	0.719	0.729	0.727	2.08
38)		1-Methylnaphth...		0.758	0.743	0.716	0.706	0.686	0.706	0.716	0.719	3.36

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF121624.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.622	0.573	0.641	0.580	0.576	0.622	0.689	0.615	6.88
41)	P	Hexachlorocycl...		0.091	0.120	0.142	0.163	0.183	0.221	0.153	30.05
42)	S	2,4,6-Tribromo...	0.235	0.236	0.242	0.240	0.235	0.243	0.225	0.237	2.56
43)	C	2,4,6-Trichlor...	0.348	0.339	0.386	0.364	0.357	0.395	0.446	0.376	9.68
44)		2,4,5-Trichlor...	0.413	0.365	0.426	0.397	0.395	0.426	0.475	0.414	8.28
45)	S	2-Fluorobiphenyl	1.560	1.410	1.538	1.369	1.345	1.445	1.517	1.455	5.85
46)		1,1'-Biphenyl	1.678	1.512	1.639	1.513	1.463	1.575	1.752	1.590	6.54
47)		2-Chloronaphth...	1.236	1.157	1.254	1.169	1.124	1.206	1.370	1.217	6.69
48)		2-Nitroaniline	0.350	0.346	0.372	0.358	0.341	0.378	0.428	0.367	8.14
49)		Acenaphthylene	1.874	1.821	1.880	1.734	1.696	1.783	1.727	1.788	4.09
50)		Dimethylphthalate	1.431	1.367	1.438	1.359	1.308	1.417	1.549	1.410	5.45
51)		2,6-Dinitrotol...	0.320	0.317	0.328	0.312	0.303	0.321	0.355	0.322	5.06
52)	C	Acenaphthene	1.228	1.190	1.166	1.113	1.100	1.148	1.049	1.142	5.25
53)		3-Nitroaniline	0.322	0.316	0.328	0.316	0.325	0.325	0.307	0.320	2.29
54)	P	2,4-Dinitrophenol		0.088	0.108	0.134	0.145	0.160	0.157	0.132	21.60
55)		Dibenzofuran	1.920	1.876	1.830	1.728	1.705	1.746	1.583	1.770	6.48
56)	P	4-Nitrophenol		0.091	0.133	0.165	0.169	0.176	0.167	0.150	21.61
57)		2,4-Dinitrotol...	0.435	0.438	0.440	0.419	0.421	0.426	0.389	0.424	4.12
58)		Fluorene	1.573	1.522	1.492	1.444	1.429	1.425	1.335	1.460	5.29
59)		2,3,4,6-Tetrac...	0.297	0.312	0.345	0.354	0.356	0.356	0.341	0.337	6.99
60)		Diethylphthalate	1.562	1.484	1.496	1.439	1.446	1.461	1.346	1.462	4.48
61)		4-Chlorophenyl...	0.780	0.750	0.759	0.716	0.727	0.728	0.674	0.733	4.62
62)		4-Nitroaniline	0.329	0.333	0.339	0.338	0.343	0.339	0.320	0.334	2.37
63)		Azobenzene	1.482	1.411	1.394	1.368	1.358	1.334	1.273	1.375	4.74
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.099	0.109	0.117	0.118	0.129	0.109	0.113	8.96
66)	c	n-Nitrosodiphe...	0.639	0.679	0.644	0.599	0.592	0.626	0.527	0.615	7.90
67)		4-Bromophenyl-...	0.225	0.248	0.236	0.220	0.214	0.231	0.192	0.224	7.97
68)		Hexachlorobenzene	0.257	0.280	0.268	0.246	0.245	0.258	0.223	0.254	7.24
69)		Atrazine	0.200	0.204	0.193	0.168	0.153	0.157	0.127	0.172	16.48
70)	C	Pentachlorophenol		0.062	0.082	0.098	0.102	0.106	0.106	0.093	18.65
71)		Phenanthrene	1.125	1.081	1.072	0.983	0.988	1.013	0.937	1.028	6.45
72)		Anthracene	1.091	1.064	1.053	0.970	0.978	1.000	0.934	1.013	5.66
73)		Carbazole	1.086	1.018	1.026	0.952	0.972	0.970	0.920	0.992	5.58
74)		Di-n-butylphth...	1.245	1.206	1.232	1.129	1.185	1.186	0.968	1.164	8.12
75)	C	Fluoranthene	1.364	1.291	1.251	1.130	1.138	1.175	0.943	1.184	11.51
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.319	0.401	0.404	0.493	0.454	0.378	0.408	14.76
78)		Pyrene	1.904	1.719	1.650	1.699	1.761	1.769	1.948	1.779	6.12
79)	S	Terphenyl-d14	1.354	1.247	1.218	1.206	1.212	1.260	1.381	1.268	5.58
80)		Butylbenzylpht...	0.650	0.616	0.621	0.646	0.672	0.681	0.696	0.654	4.59
81)		Benzo(a)anthra...	1.494	1.473	1.421	1.359	1.388	1.418	1.369	1.417	3.60
82)		3,3'-Dichlorob...	0.429	0.427	0.449	0.412	0.432	0.446	0.399	0.428	4.14
83)		Chrysene	1.361	1.284	1.364	1.271	1.254	1.283	1.206	1.289	4.40
84)		Bis(2-ethylhex...	0.804	0.807	0.875	0.821	0.855	0.890	0.855	0.844	3.99
85)	c	Di-n-octyl pht...	1.267	1.170	1.348	1.223	1.341	1.324	1.263	1.277	5.17

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF121624.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.130	1.174	1.330	1.269	1.109	1.330	1.395	1.248	8.90
88)		Benzo(b)fluora...	1.454	1.466	1.450	1.294	1.263	1.442	1.349	1.388	6.11
89)		Benzo(k)fluora...	1.318	1.250	1.223	1.224	1.142	1.182	0.996	1.191	8.57
90)	C	Benzo(a)pyrene	1.099	1.084	1.134	1.073	1.056	1.122	1.042	1.087	3.10
91)		Dibenzo(a,h)an...	0.913	0.986	1.092	1.058	0.918	1.116	1.154	1.034	9.30
92)		Benzo(g,h,i)pe...	0.961	0.972	1.094	1.073	0.944	1.098	1.225	1.052	9.53

(#) = Out of Range

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF122624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Dec 27 00:31:16 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF140970.D 5 =BF140971.D 10 =BF140972.D 20 =BF140973.D 40 =BF140974.D 50 =BF140975.D 60 =BF140976.D 80 =BF1409
77.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.630	0.621	0.624	0.597	0.587	0.588	0.559	0.601	4.26
3)		Pyridine		1.621	1.563	1.581	1.437	1.394	1.372	1.308	1.468	8.18
4)		n-Nitrosodimet...		0.755	0.738	0.778	0.745	0.742	0.742	0.707	0.744	2.86
5)	S	2-Fluorophenol		1.502	1.422	1.423	1.293	1.258	1.233	1.155	1.327	9.39
6)		Aniline		1.709	1.702	1.732	1.615	1.480	1.306	1.126	1.524	15.28
7)	S	Phenol-d6		1.910	1.839	1.811	1.667	1.625	1.613	1.500	1.709	8.60
8)		2-Chlorophenol		1.556	1.484	1.483	1.386	1.337	1.319	1.227	1.399	8.21
9)		Benzaldehyde			1.193	1.089	0.861	0.792	0.768		0.941	20.16
10)	C	Phenol		1.956	1.880	1.866	1.744	1.683	1.694	1.549	1.767	7.97
11)		bis(2-Chloroet...		1.543	1.479	1.449	1.363	1.416	1.380	1.358	1.427	4.77
12)		1,3-Dichlorobe...		1.736	1.665	1.649	1.516	1.462	1.436	1.342	1.544	9.24
13)	C	1,4-Dichlorobe...		1.749	1.690	1.662	1.517	1.477	1.440	1.359	1.556	9.33
14)		1,2-Dichlorobe...		1.660	1.589	1.562	1.416	1.366	1.328	1.235	1.451	10.72
15)		Benzyl Alcohol		1.333	1.275	1.298	1.226	1.199	1.172	1.095	1.228	6.63
16)		2,2'-oxybis(1-...		2.420	2.317	2.313	2.112	2.048	2.016	1.882	2.158	9.04
17)		2-Methylphenol		1.250	1.208	1.226	1.151	1.125	1.109	1.066	1.162	5.83
18)		Hexachloroethane		0.587	0.573	0.584	0.544	0.538	0.537	0.508	0.553	5.30
19)	P	n-Nitroso-di-n...	1.133	1.140	1.127	1.079	1.008	0.988	0.983	0.918	1.047	8.01
20)		3+4-Methylphenols		1.644	1.624	1.598	1.452	1.387	1.354	1.235	1.471	10.61
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.575	0.535	0.521	0.470	0.459	0.454	0.421	0.491	11.02
23)	S	Nitrobenzene-d5		0.244	0.277	0.321	0.327	0.338	0.349	0.333	0.313	12.18
24)		Nitrobenzene		0.288	0.319	0.364	0.367	0.371	0.379	0.358	0.349	9.54
25)		Isophorone		0.744	0.706	0.714	0.657	0.654	0.659	0.628	0.680	6.09
26)	C	2-Nitrophenol		0.067	0.080	0.107	0.127	0.142	0.151	0.152	0.118	29.26
27)		2,4-Dimethylph...		0.268	0.255	0.260	0.241	0.241	0.244	0.230	0.249	5.21
28)		bis(2-Chloroet...		0.477	0.462	0.462	0.415	0.412	0.405	0.384	0.431	8.27
29)	C	2,4-Dichloroph...		0.286	0.289	0.295	0.278	0.281	0.281	0.264	0.282	3.41
30)		1,2,4-Trichlor...		0.354	0.335	0.337	0.312	0.304	0.306	0.286	0.319	7.39
31)		Naphthalene		1.209	1.154	1.142	1.020	0.989	0.971	0.892	1.054	10.96
32)		Benzoic acid			0.099	0.152	0.178	0.198	0.221	0.222	0.178	26.55
33)		4-Chloroaniline		0.414	0.398	0.404	0.367	0.368	0.367	0.351	0.381	6.20
34)	C	Hexachlorobuta...		0.208	0.199	0.196	0.182	0.181	0.182	0.170	0.188	7.08
35)		Caprolactam		0.098	0.095	0.100	0.094	0.094	0.095	0.094	0.096	2.37
36)	C	4-Chloro-3-met...		0.330	0.320	0.327	0.309	0.304	0.309	0.293	0.313	4.24
37)		2-Methylnaphth...		0.772	0.740	0.732	0.642	0.629	0.623	0.581	0.674	10.77
38)		1-Methylnaphth...		0.767	0.722	0.710	0.635	0.618	0.615	0.571	0.663	10.71

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF122624.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.602	0.586	0.586	0.535	0.527	0.526	0.491	0.550	7.46
41)	P	Hexachlorocycl...	0.165	0.176	0.189	0.187	0.189	0.190	0.180	0.182	5.03
42)	S	2,4,6-Tribromo...	0.177	0.189	0.203	0.196	0.198	0.199	0.199	0.194	4.59
43)	C	2,4,6-Trichlor...	0.354	0.356	0.398	0.364	0.356	0.381	0.354	0.366	4.59
44)		2,4,5-Trichlor...	0.371	0.389	0.377	0.380	0.386	0.365	0.355	0.375	3.15
45)	S	2-Fluorobiphenyl	1.546	1.452	1.378	1.175	1.129	1.102	1.006	1.255	16.12
46)		1,1'-Biphenyl	1.776	1.696	1.651	1.479	1.421	1.406	1.291	1.531	11.60
47)		2-Chloronaphth...	1.362	1.293	1.270	1.140	1.115	1.104	1.031	1.188	10.15
48)		2-Nitroaniline	0.139	0.182	0.248	0.288	0.306	0.329	0.325	0.259	28.48
49)		Acenaphthylene	1.934	1.869	1.824	1.654	1.619	1.590	1.477	1.710	9.80
50)		Dimethylphthalate	1.438	1.414	1.389	1.285	1.246	1.251	1.186	1.316	7.39
51)		2,6-Dinitrotol...	0.128	0.173	0.233	0.256	0.269	0.279	0.276	0.231	25.17
52)	C	Acenaphthene	1.289	1.240	1.229	1.119	1.096	1.091	1.027	1.156	8.36
53)		3-Nitroaniline	0.153	0.197	0.260	0.281	0.289	0.304	0.299	0.255	22.59
54)	P	2,4-Dinitrophenol		0.037	0.053	0.072	0.086	0.098	0.105	0.075	35.03
55)		Dibenzofuran	1.857	1.780	1.743	1.565	1.523	1.513	1.389	1.624	10.47
56)	P	4-Nitrophenol		0.166	0.213	0.229	0.237	0.253	0.251	0.225	14.45
57)		2,4-Dinitrotol...	0.136	0.187	0.265	0.310	0.326	0.347	0.340	0.273	30.14
58)		Fluorene	1.497	1.432	1.351	1.192	1.146	1.135	1.065	1.260	13.19
59)		2,3,4,6-Tetrac...	0.303	0.303	0.327	0.314	0.307	0.316	0.302	0.310	3.01
60)		Diethylphthalate	1.433	1.386	1.369	1.266	1.230	1.232	1.175	1.299	7.47
61)		4-Chlorophenyl...	0.700	0.673	0.653	0.579	0.560	0.557	0.521	0.606	11.29
62)		4-Nitroaniline	0.156	0.203	0.257	0.278	0.290	0.301	0.301	0.255	21.73
63)		Azobenzene	1.502	1.465	1.448	1.319	1.295	1.293	1.220	1.363	7.85
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.033	0.051	0.066	0.078	0.085	0.089	0.067	32.70
66)	c	n-Nitrosodiphe...	0.712	0.675	0.668	0.605	0.594	0.595	0.558	0.630	8.83
67)		4-Bromophenyl-...	0.235	0.229	0.228	0.213	0.212	0.199	0.197	0.216	7.03
68)		Hexachlorobenzene	0.261	0.247	0.249	0.232	0.231	0.229	0.220	0.238	5.96
69)		Atrazine	0.218	0.205	0.189	0.156	0.147	0.140		0.176	18.49
70)	C	Pentachlorophenol	0.122	0.137	0.154	0.155	0.156	0.161	0.154	0.148	9.37
71)		Phenanthrene	1.221	1.168	1.129	1.005	0.982	0.958	0.907	1.053	11.29
72)		Anthracene	1.187	1.136	1.113	0.991	0.963	0.945	0.884	1.031	11.01
73)		Carbazole	1.138	1.093	1.076	0.947	0.923	0.907	0.857	0.992	10.97
74)		Di-n-butylphth...	1.248	1.238	1.237	1.083	1.054	1.044	0.990	1.128	9.70
75)	C	Fluoranthene	1.333	1.274	1.242	1.091	1.050	1.035	0.966	1.142	12.26
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.422	0.333	0.437	0.415	0.438	0.512	0.402	0.423	12.62
78)		Pyrene	1.754	1.670	1.701	1.692	1.783	1.841	1.803	1.749	3.63
79)	S	Terphenyl-d14	1.275	1.181	1.188	1.141	1.194	1.240	1.209	1.204	3.59
80)		Butylbenzylpht...	0.532	0.571	0.640	0.656	0.684	0.710	0.679	0.639	10.11
81)		Benzo(a)anthra...	1.573	1.452	1.437	1.369	1.340	1.335	1.251	1.394	7.44
82)		3,3'-Dichlorob...	0.474	0.455	0.455	0.403	0.382	0.386	0.377	0.419	9.76
83)		Chrysene	1.341	1.330	1.327	1.208	1.194	1.207	1.190	1.257	5.68
84)		Bis(2-ethylhex...	0.822	0.842	0.859	0.820	0.827	0.837	0.793	0.828	2.49
85)	c	Di-n-octyl pht...	1.157	1.231	1.253	1.199	1.170	1.193	1.191	1.199	2.76

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF122624.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.050	1.009	1.224	1.311	1.397	1.438	1.391	1.260	13.71
88)		Benzo(b)fluora...	1.360	1.564	1.479	1.417	1.306	1.362	1.275	1.395	7.20
89)		Benzo(k)fluora...	1.165	1.121	1.301	1.065	1.073	1.016	0.911	1.093	11.17
90)	C	Benzo(a)pyrene	1.146	1.108	1.137	1.069	1.047	1.065	1.007	1.083	4.63
91)		Dibenzo(a,h)an...	0.847	0.829	0.992	1.070	1.127	1.165	1.120	1.021	13.38
92)		Benzo(g,h,i)pe...	0.825	0.811	1.023	1.126	1.194	1.243	1.194	1.059	16.91

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG No.: P5299

Instrument ID: BNA_F Calibration Date/Time: 12/20/2024 11:15

Lab File ID: BF140942.D Init. Calib. Date(s): 12/16/2024 12/16/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:13 16:15

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.215	1.104		-9.1	
Benzaldehyde	0.892	0.796		-10.8	
Phenol-d6	1.609	1.494		-7.1	
Phenol	1.668	1.561		-6.4	20.0
bis(2-Chloroethyl)ether	1.244	1.156		-7.1	
2-Chlorophenol	1.325	1.292		-2.5	
2-Methylphenol	1.058	1.007		-4.8	
2,2-oxybis(1-Chloropropane)	1.465	1.317		-10.1	
Acetophenone	0.500	0.486		-2.8	
3+4-Methylphenols	1.403	1.351		-3.7	
n-Nitroso-di-n-propylamine	0.965	0.859	0.050	-11.0	
Nitrobenzene-d5	0.400	0.385		-3.8	
Hexachloroethane	0.570	0.521		-8.6	
Nitrobenzene	0.410	0.382		-6.8	
Isophorone	0.670	0.637		-4.9	
2-Nitrophenol	0.189	0.198		4.8	20.0
2,4-Dimethylphenol	0.220	0.222		0.9	
bis(2-Chloroethoxy)methane	0.418	0.406		-2.9	
2,4-Dichlorophenol	0.304	0.299		-1.6	20.0
Naphthalene	1.099	1.079		-1.8	
4-Chloroaniline	0.365	0.358		-1.9	
Hexachlorobutadiene	0.235	0.225		-4.3	20.0
Caprolactam	0.091	0.084		-7.7	
4-Chloro-3-methylphenol	0.342	0.320		-6.4	20.0
2-Methylnaphthalene	0.727	0.696		-4.3	
Hexachlorocyclopentadiene	0.153	0.117	0.050	-23.5	
2,4,6-Trichlorophenol	0.376	0.341		-9.3	20.0
2-Fluorobiphenyl	1.455	1.340		-7.9	
2,4,5-Trichlorophenol	0.414	0.369		-10.9	
1,1-Biphenyl	1.590	1.490		-6.3	
2-Chloronaphthalene	1.217	1.152		-5.3	
2-Nitroaniline	0.367	0.325		-11.4	
Dimethylphthalate	1.410	1.310		-7.1	
Acenaphthylene	1.788	1.741		-2.6	
2,6-Dinitrotoluene	0.322	0.318		-1.2	
3-Nitroaniline	0.320	0.316		-1.3	
Acenaphthene	1.142	1.107		-3.1	20.0
2,4-Dinitrophenol	0.132	0.127	0.050	-3.8	
4-Nitrophenol	0.150	0.143	0.050	-4.7	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG No.: P5299

Instrument ID: BNA_F Calibration Date/Time: 12/20/2024 11:15

Lab File ID: BF140942.D Init. Calib. Date(s): 12/16/2024 12/16/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:13 16:15

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.770	1.682		-5.0	
2,4-Dinitrotoluene	0.424	0.408		-3.8	
Diethylphthalate	1.462	1.314		-10.1	
4-Chlorophenyl-phenylether	0.733	0.682		-7.0	
Fluorene	1.460	1.356		-7.1	
4-Nitroaniline	0.334	0.310		-7.2	
4,6-Dinitro-2-methylphenol	0.113	0.114		0.9	
n-Nitrosodiphenylamine	0.615	0.657		6.8	20.0
2,4,6-Tribromophenol	0.237	0.214		-9.7	
4-Bromophenyl-phenylether	0.224	0.230		2.7	
Hexachlorobenzene	0.254	0.264		3.9	
Atrazine	0.172	0.144		-16.3	
Pentachlorophenol	0.093	0.077		-17.2	20.0
Phenanthrene	1.028	0.981		-4.6	
Anthracene	1.013	0.983		-3.0	
Carbazole	0.992	0.954		-3.8	
Di-n-butylphthalate	1.164	1.178		1.2	
Fluoranthene	1.184	1.083		-8.5	20.0
Pyrene	1.779	1.904		7.0	
Terphenyl-d14	1.268	1.393		9.9	
Butylbenzylphthalate	0.654	0.631		-3.5	
3,3-Dichlorobenzidine	0.428	0.390		-8.9	
Benzo(a)anthracene	1.417	1.356		-4.3	
Chrysene	1.289	1.279		-0.8	
Bis(2-ethylhexyl)phthalate	0.844	0.789		-6.5	
Di-n-octyl phthalate	1.277	1.023		-19.9	20.0
Benzo(b)fluoranthene	1.388	1.319		-5.0	
Benzo(k)fluoranthene	1.191	1.123		-5.7	
Benzo(a)pyrene	1.087	1.066		-1.9	20.0
Indeno(1,2,3-cd)pyrene	1.248	1.605		28.6	
Dibenzo(a,h)anthracene	1.034	1.335		29.1	
Benzo(g,h,i)perylene	1.052	1.276		21.3	
1,2,4,5-Tetrachlorobenzene	0.615	0.574		-6.7	
1,4-Dioxane	0.523	0.501		-4.2	20.0
2,3,4,6-Tetrachlorophenol	0.337	0.314		-6.8	

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.: P5299 SAS No.: P5299 SDG No.: P5299

Instrument ID: BNA_F Calibration Date/Time: 12/27/2024 13:59

Lab File ID: BF140994.D Init. Calib. Date(s): 12/26/2024 12/26/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:23 19:25

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.327	1.268		-4.4	
Benzaldehyde	0.941	0.913		-3.0	
Phenol-d6	1.709	1.624		-5.0	
Phenol	1.767	1.701		-3.7	20.0
bis(2-Chloroethyl)ether	1.427	1.317		-7.7	
2-Chlorophenol	1.399	1.354		-3.2	
2-Methylphenol	1.162	1.114		-4.1	
2,2-oxybis(1-Chloropropane)	2.158	2.044		-5.3	
Acetophenone	0.491	0.466		-5.1	
3+4-Methylphenols	1.471	1.414		-3.9	
n-Nitroso-di-n-propylamine	1.047	0.967	0.050	-7.6	
Nitrobenzene-d5	0.313	0.359		14.7	
Hexachloroethane	0.553	0.541		-2.2	
Nitrobenzene	0.349	0.391		12.0	
Isophorone	0.680	0.647		-4.9	
2-Nitrophenol	0.118	0.160		35.6	20.0
2,4-Dimethylphenol	0.249	0.244		-2.0	
bis(2-Chloroethoxy)methane	0.431	0.409		-5.1	
2,4-Dichlorophenol	0.282	0.279		-1.1	20.0
Naphthalene	1.054	1.013		-3.9	
4-Chloroaniline	0.381	0.362		-5.0	
Hexachlorobutadiene	0.188	0.183		-2.7	20.0
Caprolactam	0.096	0.094		-2.1	
4-Chloro-3-methylphenol	0.313	0.303		-3.2	20.0
2-Methylnaphthalene	0.674	0.646		-4.2	
Hexachlorocyclopentadiene	0.182	0.186	0.050	2.2	
2,4,6-Trichlorophenol	0.366	0.367		0.3	20.0
2-Fluorobiphenyl	1.255	1.178		-6.1	
2,4,5-Trichlorophenol	0.375	0.386		2.9	
1,1-Biphenyl	1.531	1.482		-3.2	
2-Chloronaphthalene	1.188	1.140		-4.0	
2-Nitroaniline	0.259	0.349		34.7	
Dimethylphthalate	1.316	1.281		-2.7	
Acenaphthylene	1.710	1.661		-2.9	
2,6-Dinitrotoluene	0.231	0.296		28.1	
3-Nitroaniline	0.255	0.320		25.5	
Acenaphthene	1.156	1.122		-2.9	20.0
2,4-Dinitrophenol	0.075	0.099	0.050	32.0	
4-Nitrophenol	0.225	0.246	0.050	9.3	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG No.: P5299

Instrument ID: BNA_F Calibration Date/Time: 12/27/2024 13:59

Lab File ID: BF140994.D Init. Calib. Date(s): 12/26/2024 12/26/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:23 19:25

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.624	1.563		-3.8	
2,4-Dinitrotoluene	0.273	0.378		38.5	
Diethylphthalate	1.299	1.261		-2.9	
4-Chlorophenyl-phenylether	0.606	0.572		-5.6	
Fluorene	1.260	1.191		-5.5	
4-Nitroaniline	0.255	0.316		23.9	
4,6-Dinitro-2-methylphenol	0.067	0.093		38.8	
n-Nitrosodiphenylamine	0.630	0.617		-2.1	20.0
2,4,6-Tribromophenol	0.194	0.205		5.7	
4-Bromophenyl-phenylether	0.216	0.220		1.9	
Hexachlorobenzene	0.238	0.235		-1.3	
Atrazine	0.176	0.158		-10.2	
Pentachlorophenol	0.148	0.161		8.8	20.0
Phenanthrene	1.053	1.034		-1.8	
Anthracene	1.031	1.003		-2.7	
Carbazole	0.992	0.965		-2.7	
Di-n-butylphthalate	1.128	1.104		-2.1	
Fluoranthene	1.142	1.081		-5.3	20.0
Pyrene	1.749	1.690		-3.4	
Terphenyl-d14	1.204	1.166		-3.2	
Butylbenzylphthalate	0.639	0.645		0.9	
3,3-Dichlorobenzidine	0.419	0.406		-3.1	
Benzo(a)anthracene	1.394	1.316		-5.6	
Chrysene	1.257	1.236		-1.7	
Bis(2-ethylhexyl)phthalate	0.828	0.820		-1.0	
Di-n-octyl phthalate	1.199	1.221		1.8	20.0
Benzo(b)fluoranthene	1.395	1.240		-11.1	
Benzo(k)fluoranthene	1.093	1.226		12.2	
Benzo(a)pyrene	1.083	1.067		-1.5	20.0
Indeno(1,2,3-cd)pyrene	1.260	1.291		2.5	
Dibenzo(a,h)anthracene	1.021	1.047		2.5	
Benzo(g,h,i)perylene	1.059	1.058		-0.1	
1,2,4,5-Tetrachlorobenzene	0.550	0.540		-1.8	
1,4-Dioxane	0.601	0.590		-1.8	20.0
2,3,4,6-Tetrachlorophenol	0.310	0.315		1.6	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140999.D
Acq On : 27 Dec 2024 16:29
Operator : RC/JU
Sample : P5299-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Time: Dec 27 17:25:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

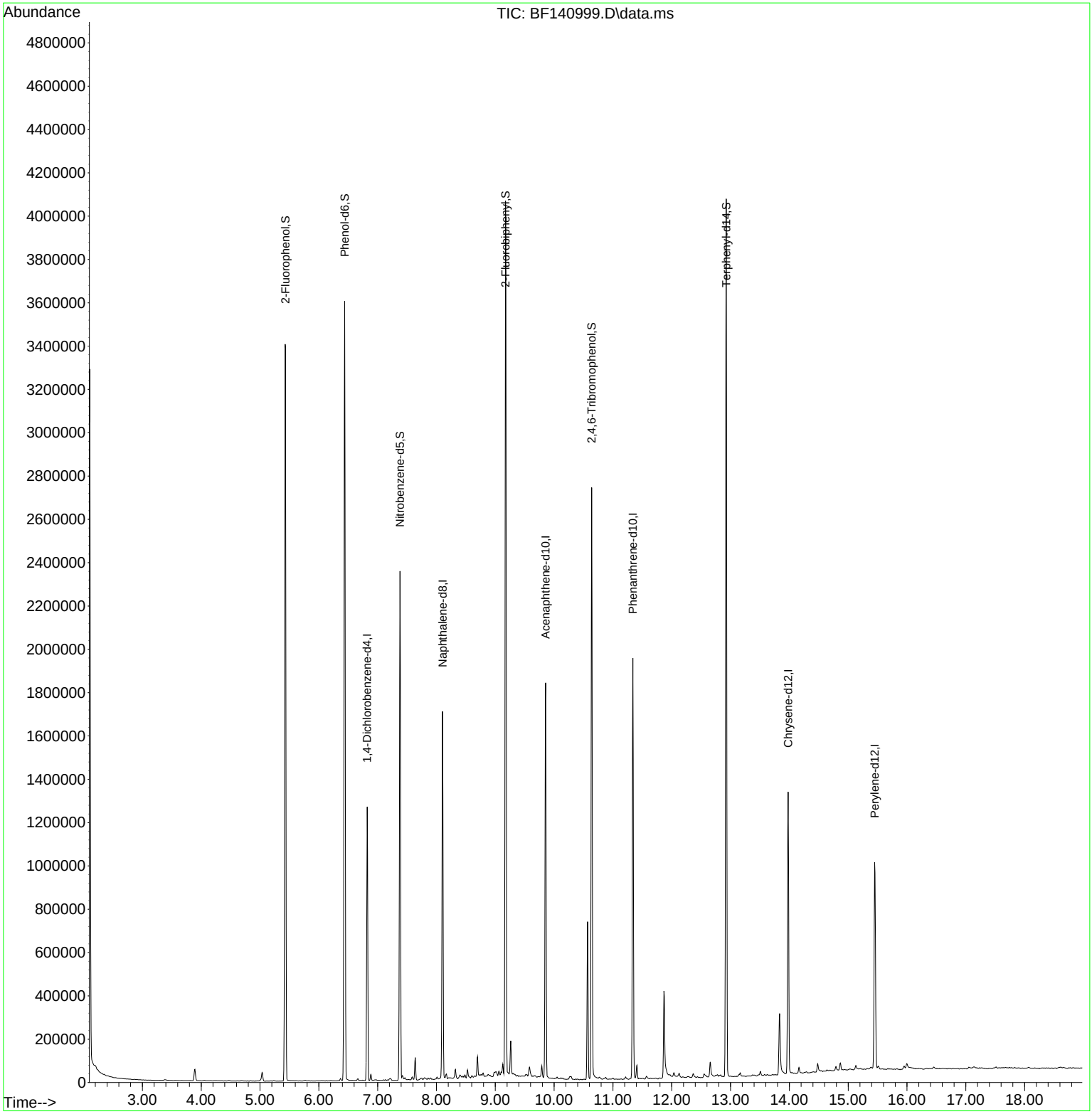
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	254834	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	1020665	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	546385	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	930453	20.000	ng	0.00
76) Chrysene-d12	13.980	240	608004	20.000	ng	0.00
86) Perylene-d12	15.451	264	540868	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1327317	78.513	ng	0.00
7) Phenol-d6	6.439	99	1733092	79.579	ng	-0.01
23) Nitrobenzene-d5	7.381	82	1029902	64.557	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	460002	86.642	ng	-0.01
45) 2-Fluorobiphenyl	9.175	172	1822631	53.147	ng	-0.01
79) Terphenyl-d14	12.927	244	1940618	53.015	ng	0.00
Target Compounds						Qvalue

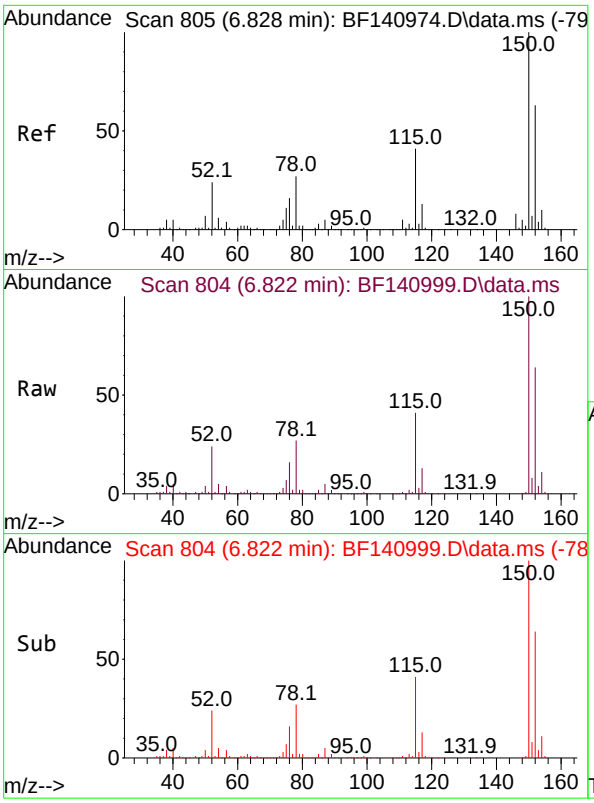
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140999.D
Acq On : 27 Dec 2024 16:29
Operator : RC/JU
Sample : P5299-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Time: Dec 27 17:25:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration



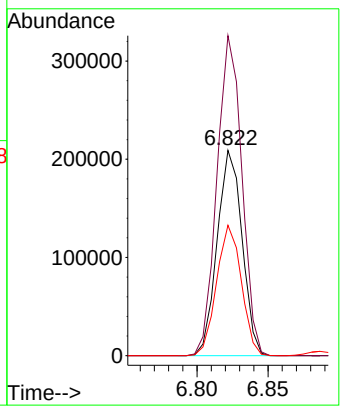


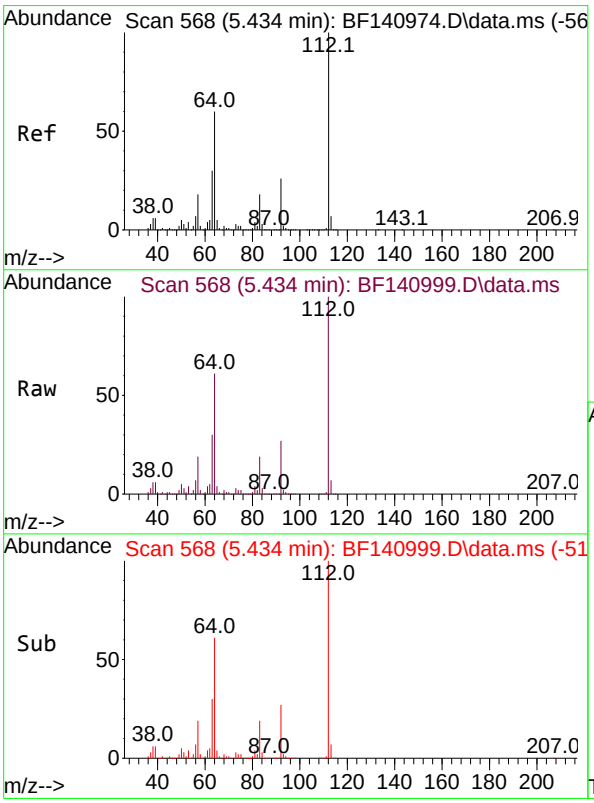
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140999.D
Acq: 27 Dec 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SB-01

Tgt Ion:152 Resp: 254834

Ion	Ratio	Lower	Upper
152	100		
150	155.8	127.0	190.6
115	63.5	51.7	77.5

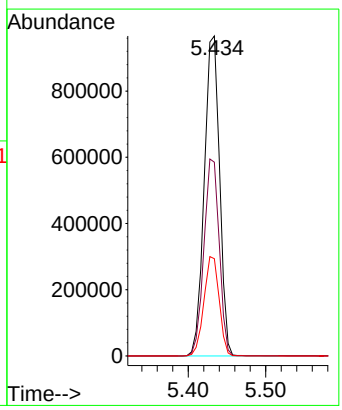


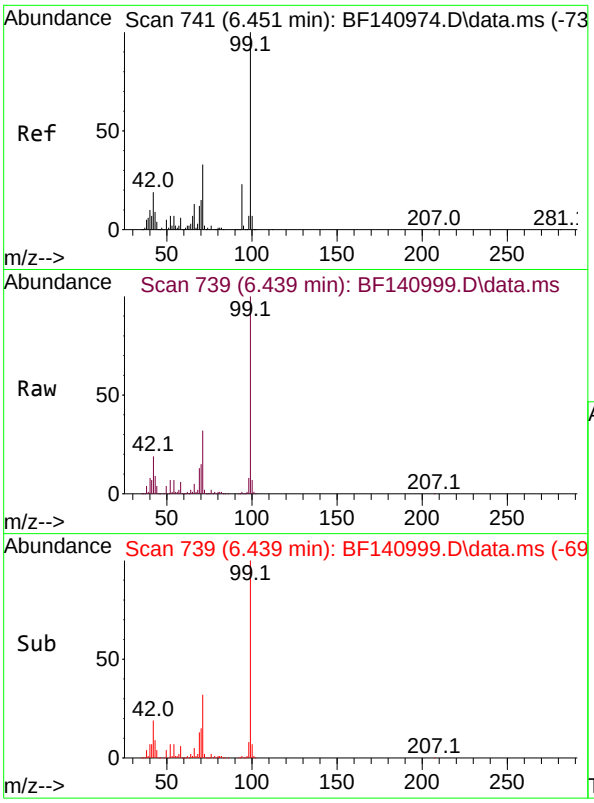


#5
2-Fluorophenol
Concen: 78.513 ng
RT: 5.434 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF140999.D
Acq: 27 Dec 2024 16:29

Tgt Ion:112 Resp: 1327317

Ion	Ratio	Lower	Upper
112	100		
64	60.5	47.7	71.5
63	30.4	24.2	36.2



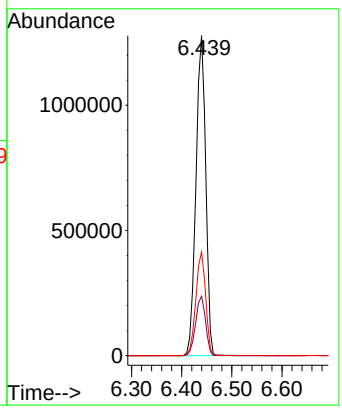


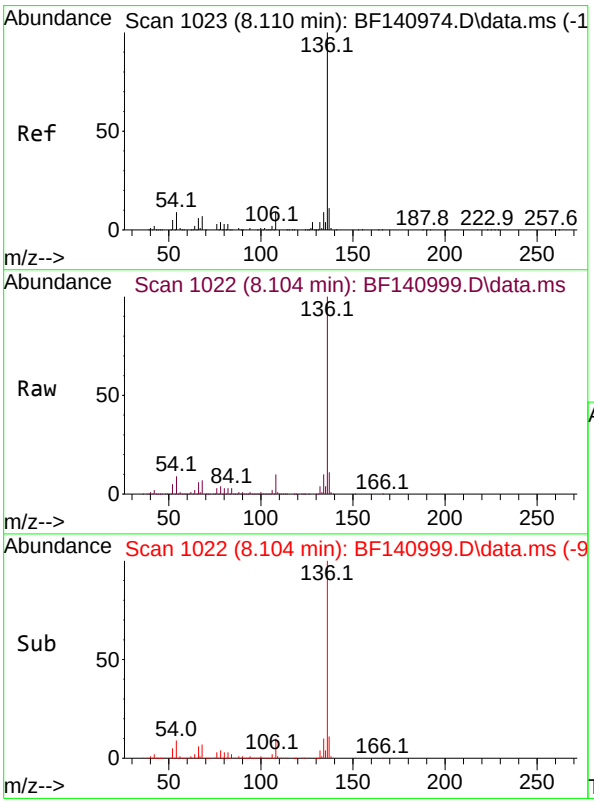
#7
Phenol-d6
Concen: 79.579 ng
RT: 6.439 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF140999.D
Acq: 27 Dec 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SB-01

Tgt Ion: 99 Resp: 1733092

Ion	Ratio	Lower	Upper
99	100		
42	18.6	15.0	22.4
71	32.3	26.2	39.2

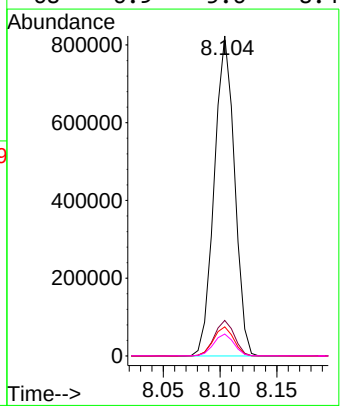




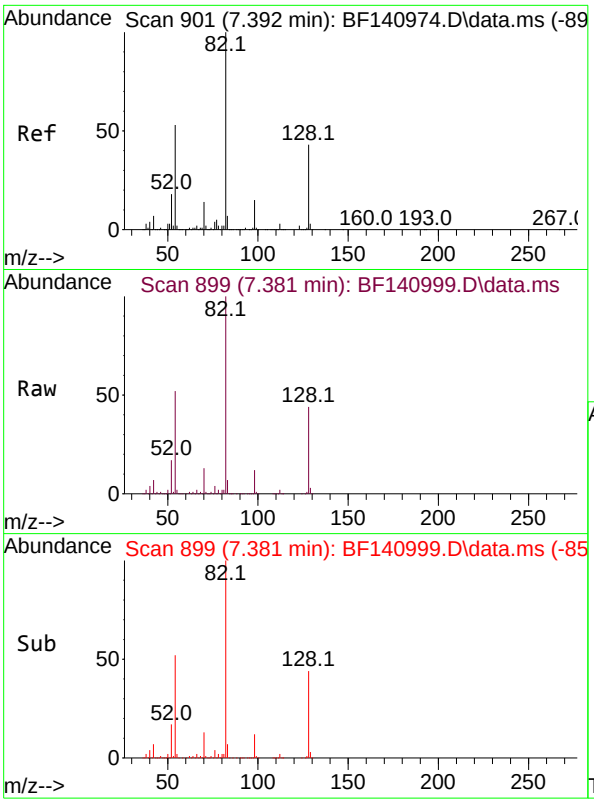
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF140999.D
Acq: 27 Dec 2024 16:29

Tgt Ion:136 Resp: 1020665

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	9.1	7.6	11.4
68	6.9	5.6	8.4



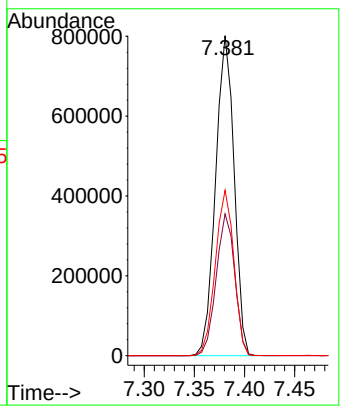
Instrument :
BNA_F
ClientSampleId :
SB-01

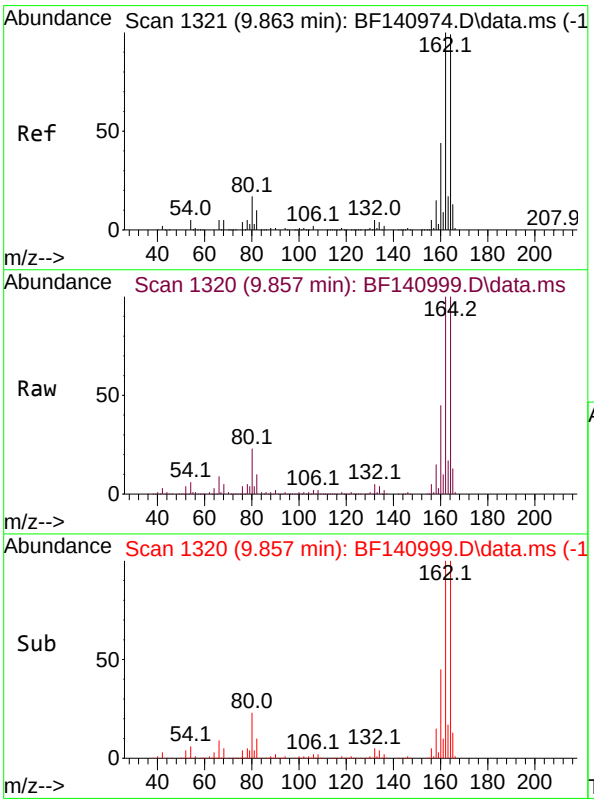


#23
Nitrobenzene-d5
Concen: 64.557 ng
RT: 7.381 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF140999.D
Acq: 27 Dec 2024 16:29

Tgt Ion: 82 Resp: 1029902

Ion	Ratio	Lower	Upper
82	100		
128	44.3	34.4	51.6
54	51.7	42.4	63.6

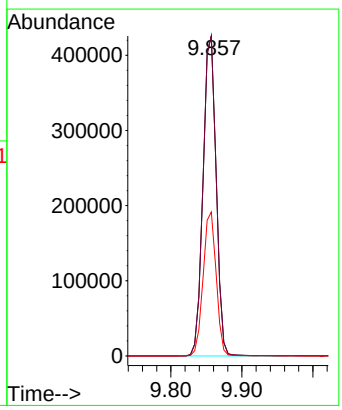


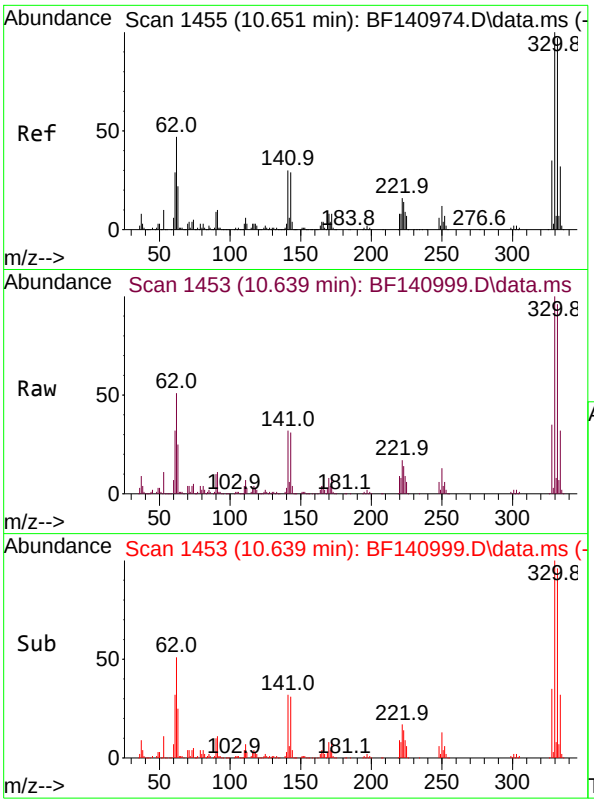


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF140999.D
Acq: 27 Dec 2024 16:29

Tgt Ion:164 Resp: 546385

Ion	Ratio	Lower	Upper
164	100		
162	100.0	80.6	120.8
160	45.0	35.7	53.5



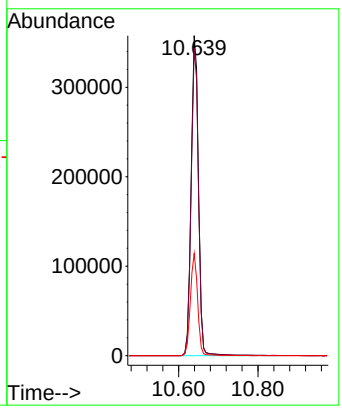


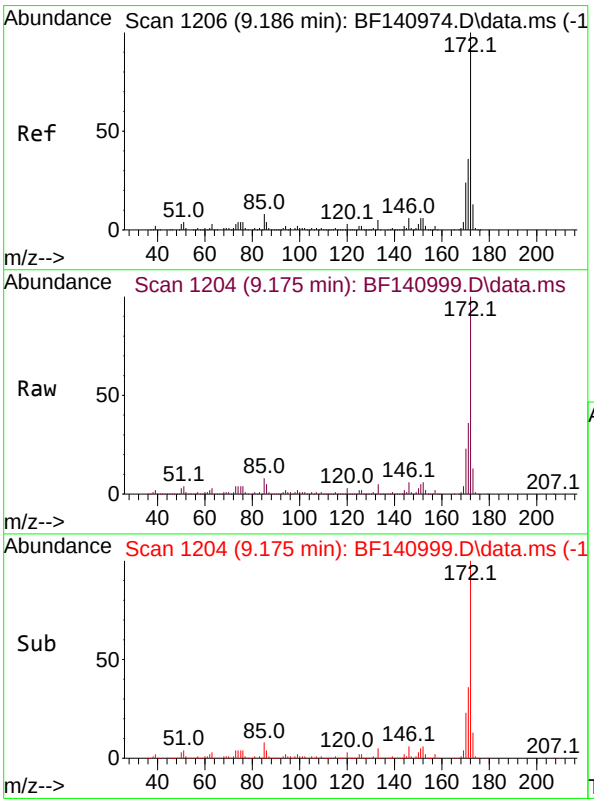
#42
2,4,6-Tribromophenol
Concen: 86.642 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF140999.D
Acq: 27 Dec 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SB-01

Tgt Ion:330 Resp: 460002

Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.0	117.0
141	31.6	26.4	39.6

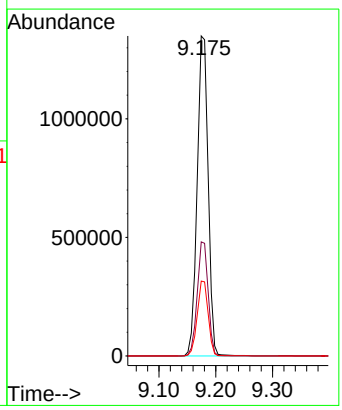


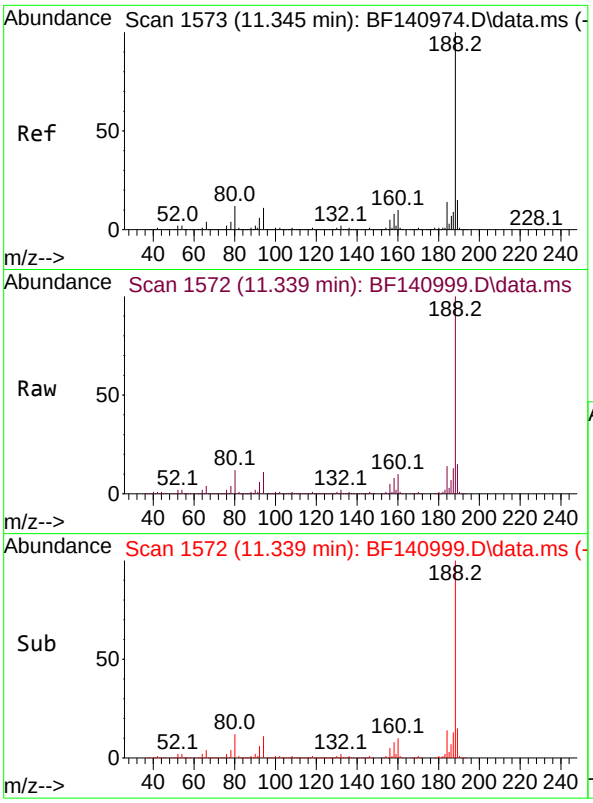


#45
2-Fluorobiphenyl
Concen: 53.147 ng
RT: 9.175 min Scan# 1204
Delta R.T. -0.012 min
Lab File: BF140999.D
Acq: 27 Dec 2024 16:29

Tgt Ion:172 Resp: 1822631

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.0	43.4
170	23.4	19.6	29.4



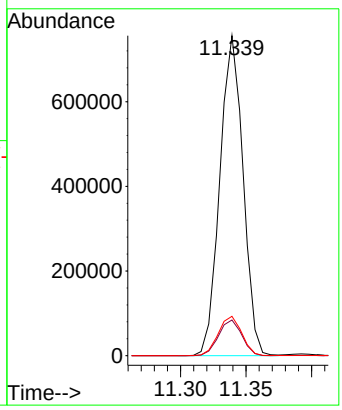


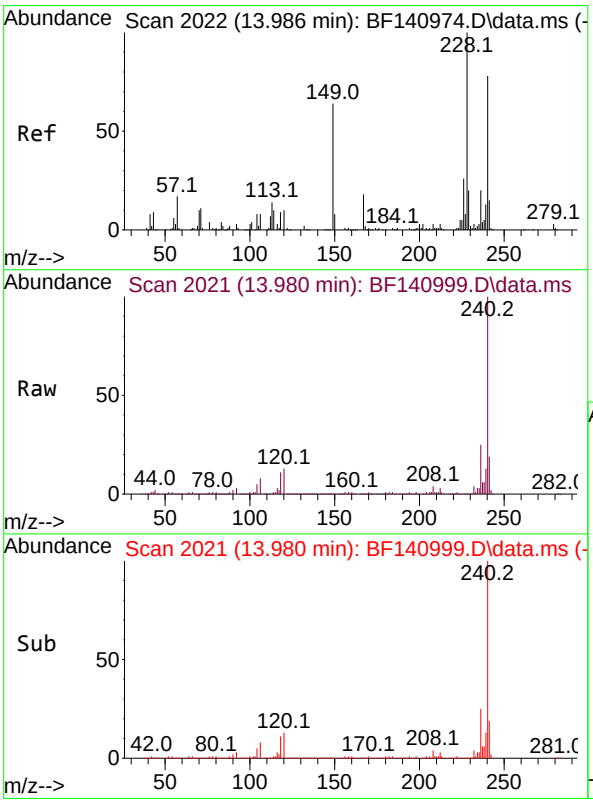
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140999.D
Acq: 27 Dec 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SB-01

Tgt Ion:188 Resp: 930453

Ion	Ratio	Lower	Upper
188	100		
94	11.2	9.0	13.6
80	12.3	9.8	14.6

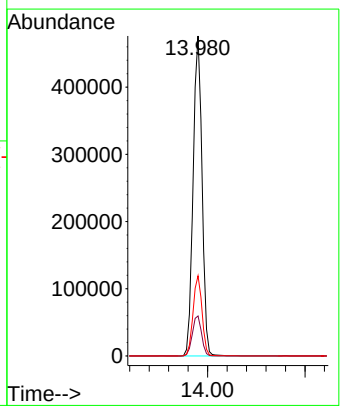


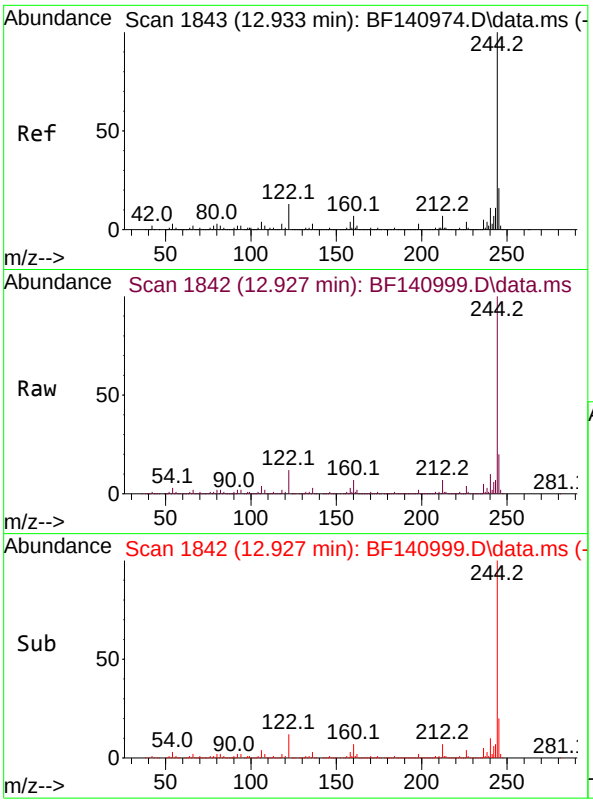


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF140999.D
Acq: 27 Dec 2024 16:29

Tgt Ion:240 Resp: 608004

Ion	Ratio	Lower	Upper
240	100		
120	12.5	10.7	16.1
236	25.0	20.6	31.0



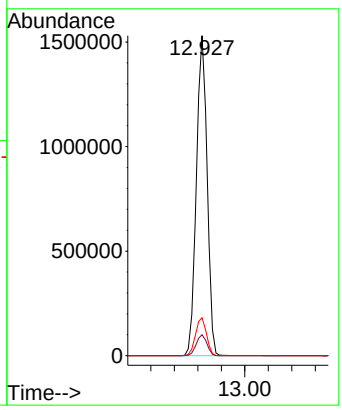


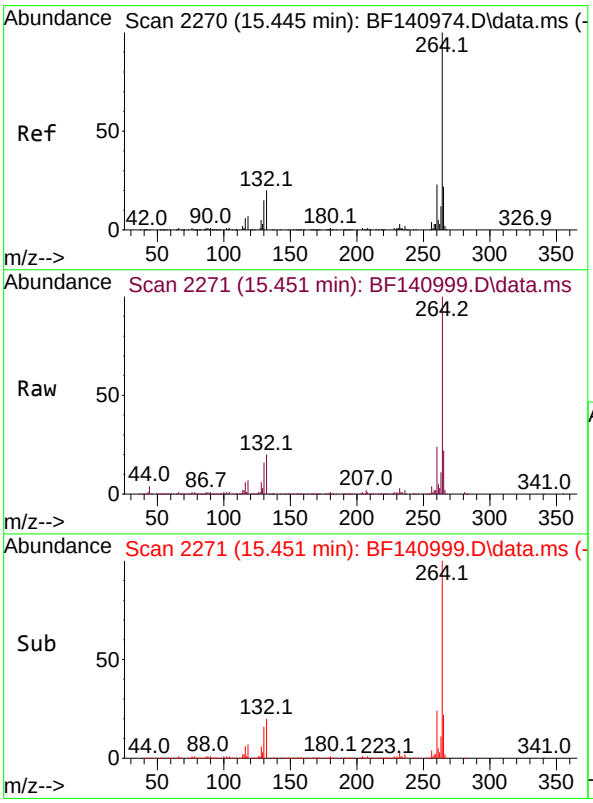
#79
Terphenyl-d14
Concen: 53.015 ng
RT: 12.927 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140999.D
Acq: 27 Dec 2024 16:29

Instrument :
BNA_F
ClientSampleId :
SB-01

Tgt Ion:244 Resp: 1940618

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.7	8.5
122	11.9	10.2	15.2

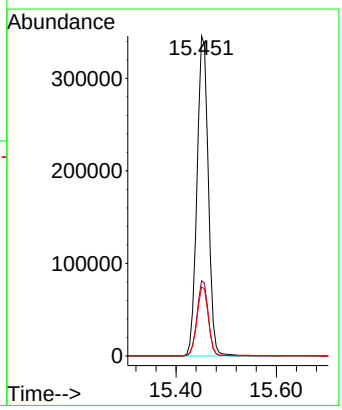




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF140999.D
Acq: 27 Dec 2024 16:29

Tgt Ion:264 Resp: 540868

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	21.6	17.4	26.2



Sample Results: **BF140999.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140999.D
Acq On : 27 Dec 2024 16:29
Operator : RC/JU
Sample : P5299-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

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-BF122624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140999.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.893	299	306	314	rBV	53128	90305	1.70%	0.218%
2	5.034	491	500	507	rVB2	39686	70011	1.31%	0.169%
3	5.428	561	567	573	rBV	3402088	4689249	88.08%	11.335%
4	6.439	732	739	744	rBV	3597387	4926687	92.54%	11.909%
5	6.822	799	804	809	rBV	1263212	1537183	28.87%	3.716%
6	7.381	891	899	904	rBV	2351469	3047771	57.25%	7.367%
7	7.639	938	943	950	rVB	104040	130633	2.45%	0.316%
8	8.104	1015	1022	1027	rBV	1692011	2135980	40.12%	5.163%
9	8.322	1054	1059	1066	rVB	42723	63900	1.20%	0.154%
10	8.528	1090	1094	1103	rVB	37189	56489	1.06%	0.137%
11	8.698	1118	1123	1127	rBV	90256	115342	2.17%	0.279%
12	9.175	1199	1204	1210	rVV	4031602	5324043	100.00%	12.870%
13	9.263	1214	1219	1224	rBV	152957	192365	3.61%	0.465%
14	9.580	1268	1273	1281	rVB2	42339	76232	1.43%	0.184%
15	9.792	1305	1309	1313	rVB	52922	64624	1.21%	0.156%
16	9.857	1314	1320	1325	rBV	1820900	2347192	44.09%	5.674%
17	10.569	1436	1441	1447	rBV	728267	883124	16.59%	2.135%
18	10.639	1447	1453	1469	rVV	2729183	3485476	65.47%	8.425%
19	11.339	1567	1572	1579	rBV	1940326	2404298	45.16%	5.812%
20	11.410	1579	1584	1588	rVB3	62921	84934	1.60%	0.205%
21	11.869	1657	1662	1677	rBV2	401062	662568	12.44%	1.602%
22	12.657	1791	1796	1806	rVV	66783	113668	2.13%	0.275%
23	12.927	1836	1842	1847	rBV	4052158	5153376	96.79%	12.457%
24	13.833	1990	1996	2013	rBV	283366	504241	9.47%	1.219%
25	13.980	2015	2021	2030	rVV	1300302	1690798	31.76%	4.087%
26	14.480	2102	2106	2114	rBV	37613	67160	1.26%	0.162%
27	15.451	2265	2271	2278	rBV	950231	1451521	27.26%	3.509%

Sum of corrected areas: 41369170

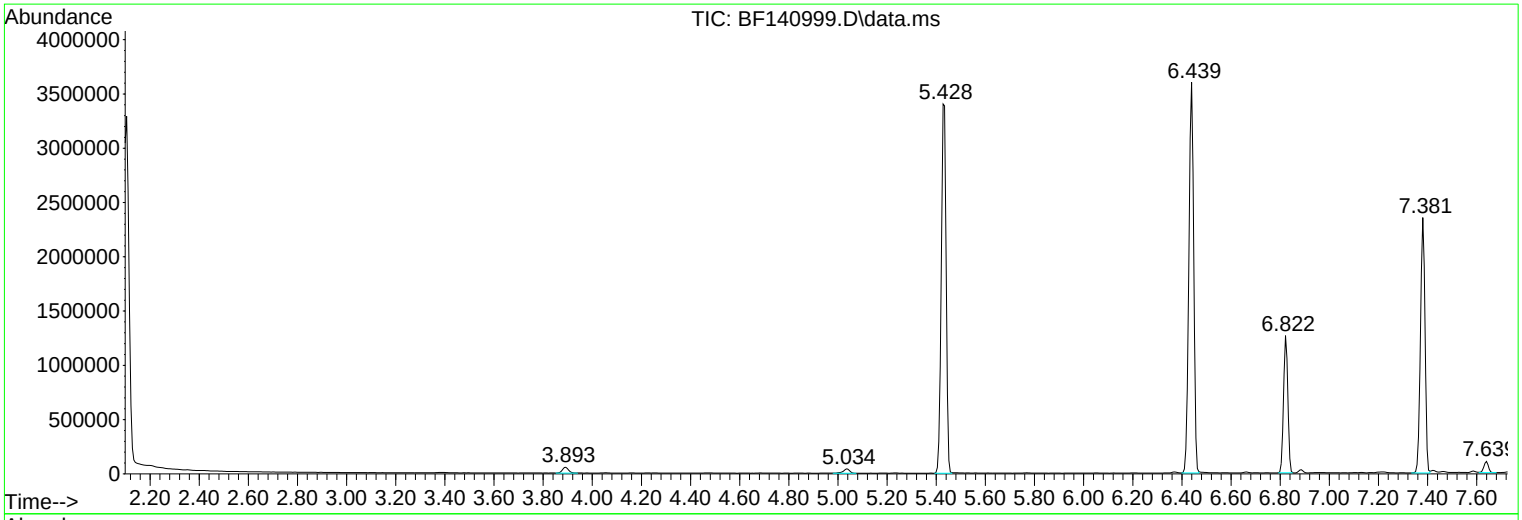
Sample Results: **BF140999.D**

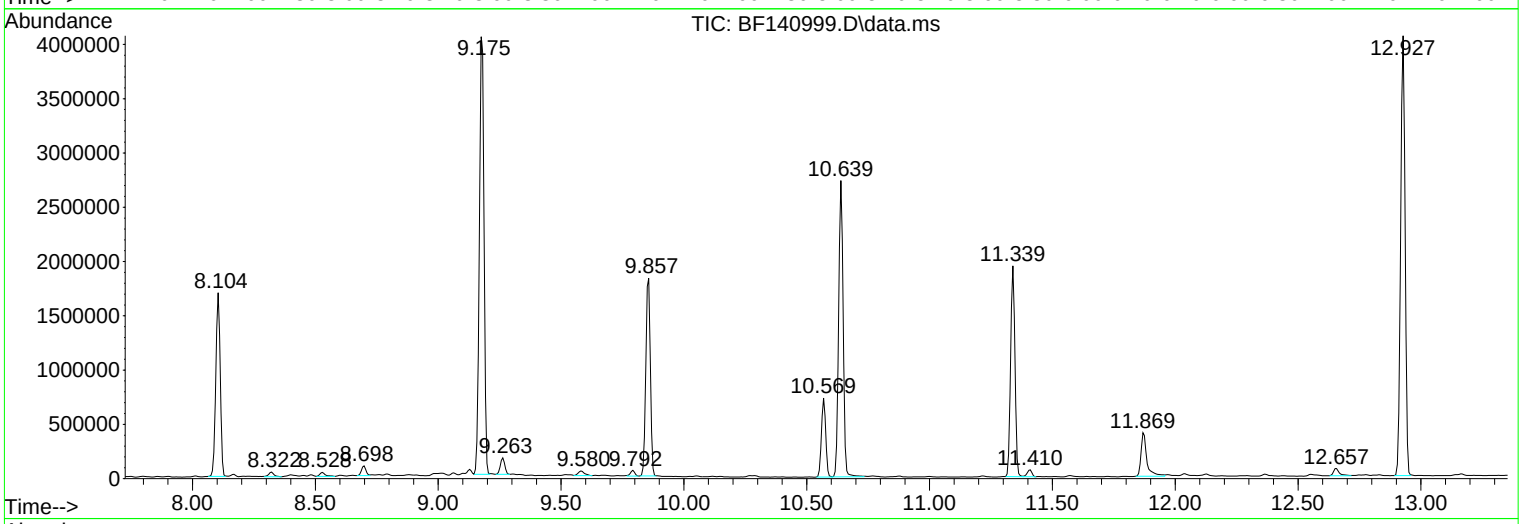
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140999.D
Acq On : 27 Dec 2024 16:29
Operator : RC/JU
Sample : P5299-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

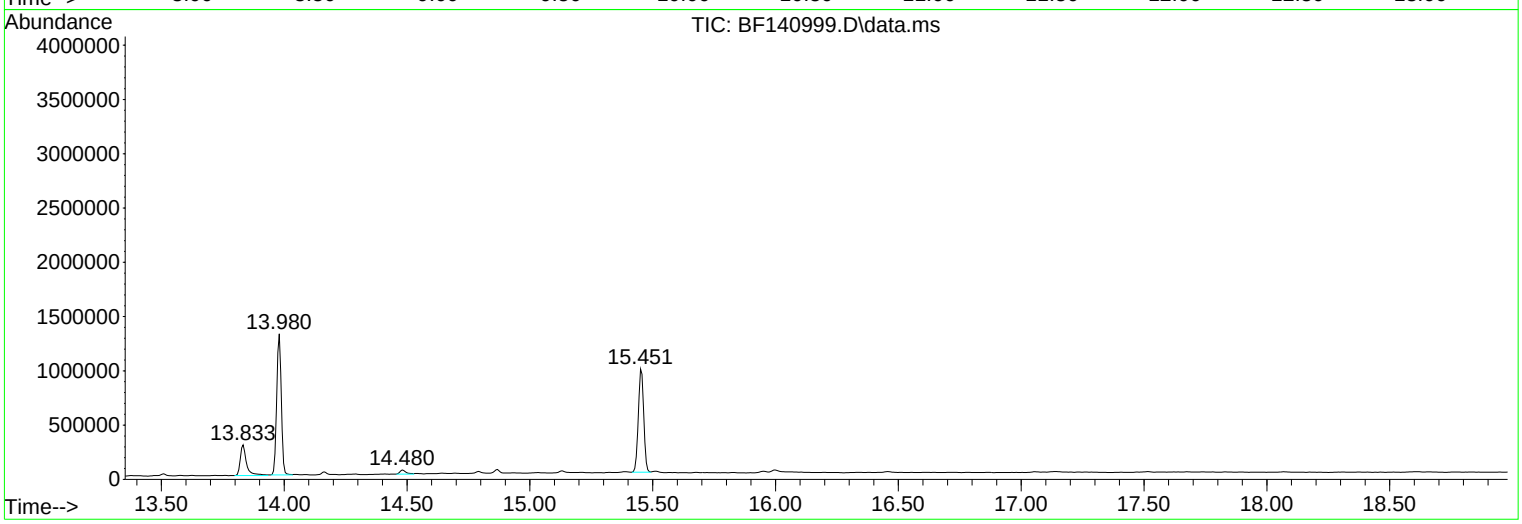
Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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\BF122724\
Data File : BF140999.D
Acq On : 27 Dec 2024 16:29
Operator : RC/JU
Sample : P5299-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

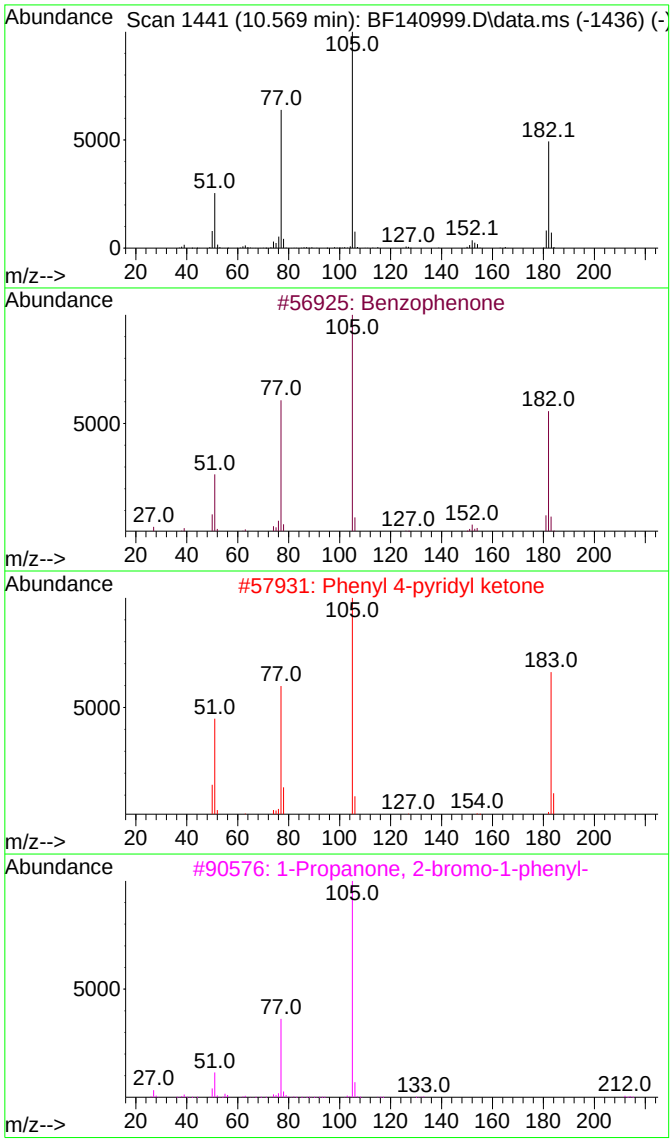
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

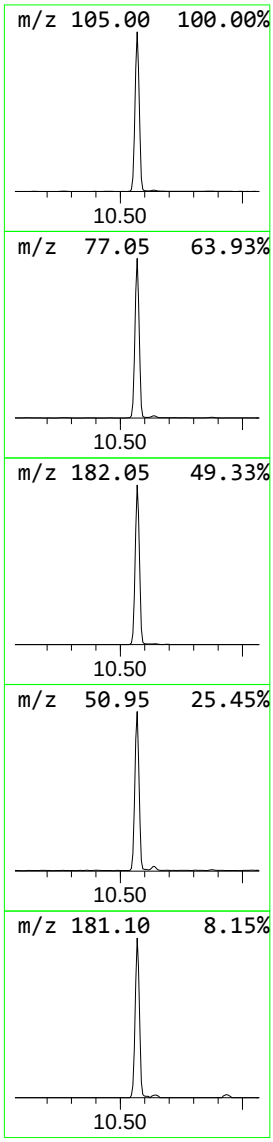
****

Peak Number 1 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.569	7.52 ng	883124	Acenaphthene-d10	9.857

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-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47
4	Benzopinacol	366	C26H22O2	000464-72-2	47
5	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47





Sample Results: **BF140999.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140999.D
Acq On : 27 Dec 2024 16:29
Operator : RC/JU
Sample : P5299-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

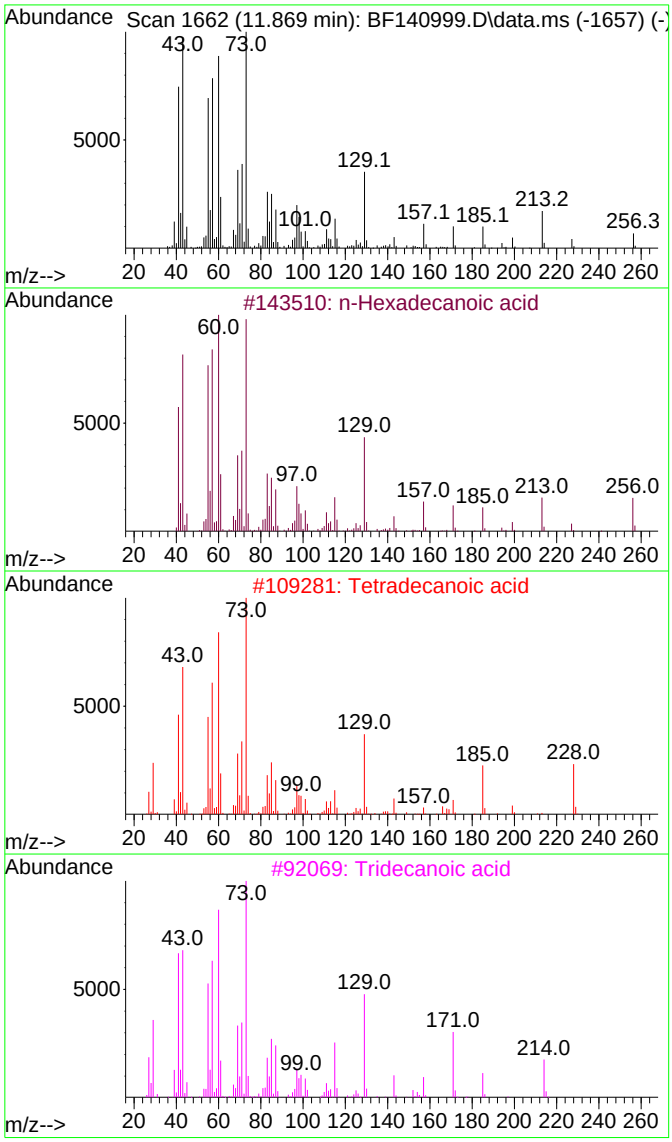
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

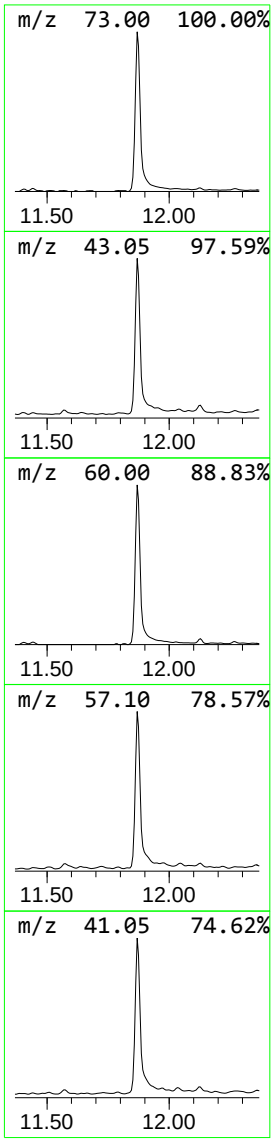
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.869	5.51 ng	662568	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
3	Tridecanoic acid	214	C13H26O2	000638-53-9	93
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
5	8-Methylnonanoic acid	172	C10H20O2	005963-14-4	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140999.D
Acq On : 27 Dec 2024 16:29
Operator : RC/JU
Sample : P5299-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

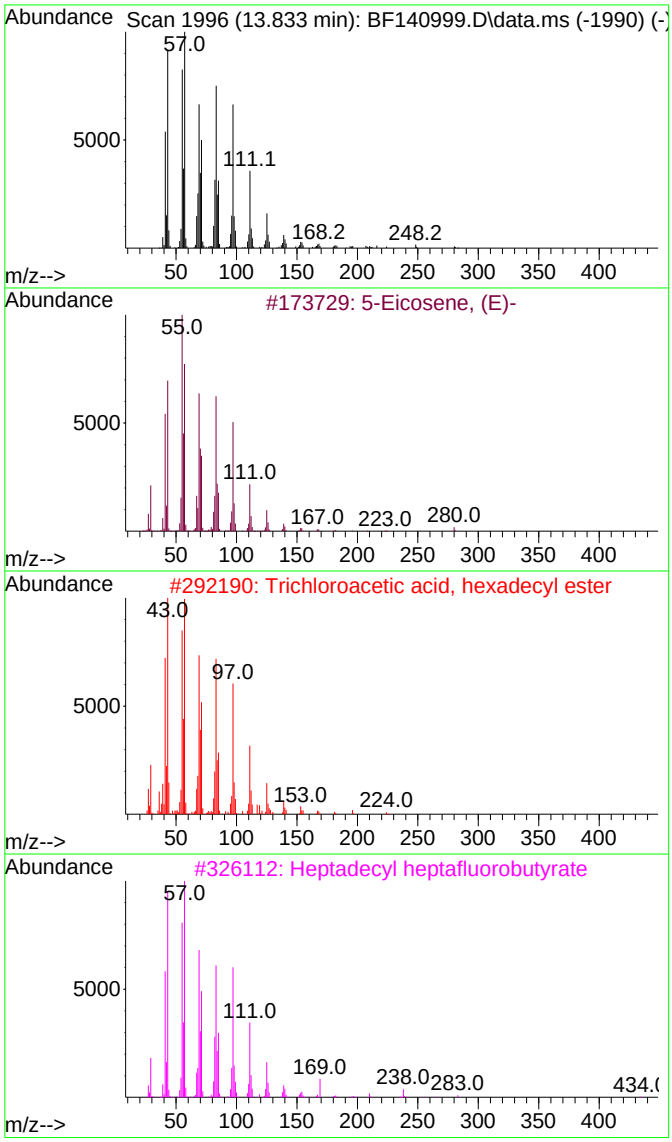
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

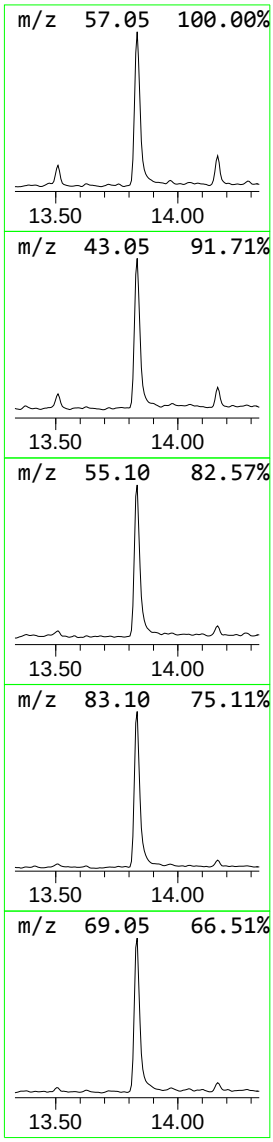
****

Peak Number 3 5-Eicosene, (E)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.833	5.96 ng	504241	Chrysene-d12	13.980

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	97
2	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	94
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
4	1-Hexacosene	364	C26H52	018835-33-1	94
5	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140999.D
Acq On : 27 Dec 2024 16:29
Operator : RC/JU
Sample : P5299-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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
Benzophenone	10.569	7.5	ng	883124	3	9.857	2347190	20.0
n-Hexadecanoic ...	11.869	5.5	ng	662568	4	11.339	2404300	20.0
5-Eicosene, (E)-	13.833	6.0	ng	504241	5	13.980	1690800	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Time: Dec 27 16:36:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

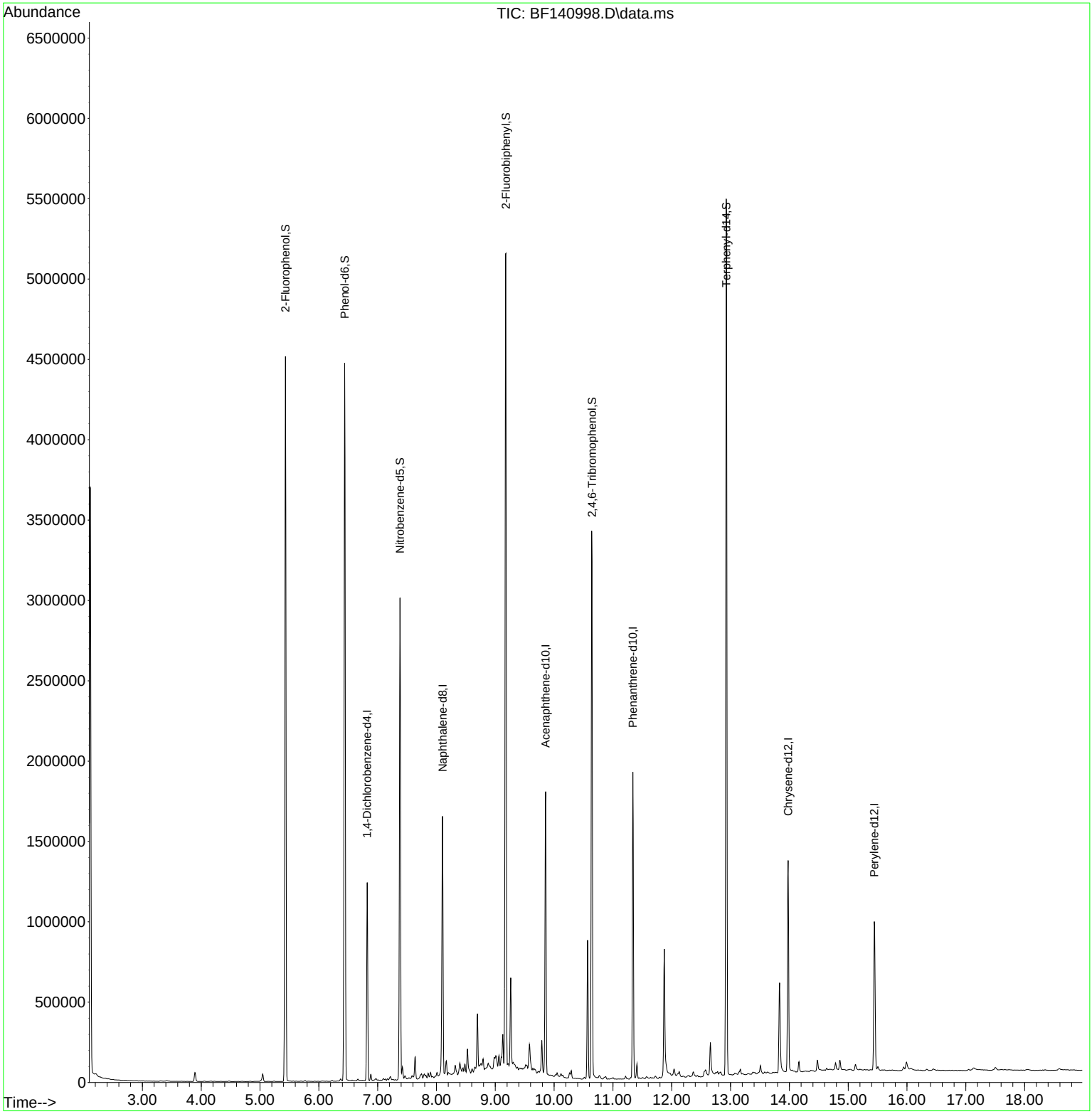
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	248948	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	990169	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	532678	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	920169	20.000	ng	0.00
76) Chrysene-d12	13.980	240	611482	20.000	ng	0.00
86) Perylene-d12	15.445	264	533372	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1742406	105.503	ng	0.00
7) Phenol-d6	6.440	99	2199933	103.403	ng	-0.01
23) Nitrobenzene-d5	7.381	82	1344513	86.873	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	606069	117.091	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	2366923	70.795	ng	0.00
79) Terphenyl-d14	12.927	244	2710716	73.632	ng	0.00
Target Compounds						Qvalue

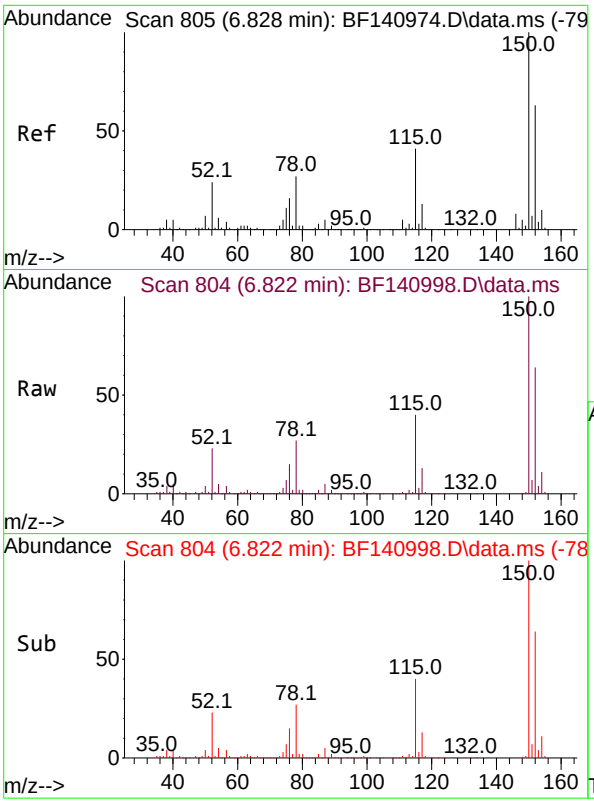
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Time: Dec 27 16:36:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration



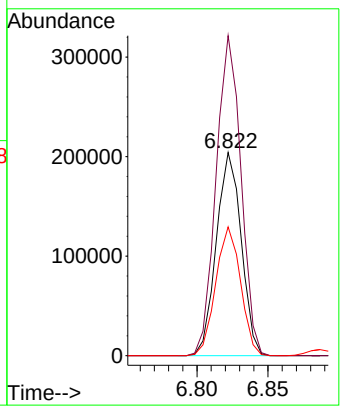


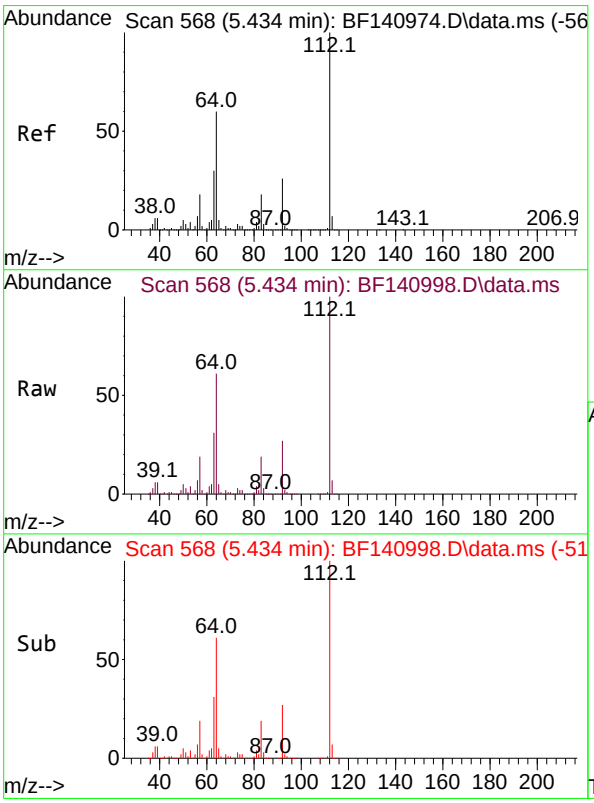
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion:152 Resp: 248948

Ion	Ratio	Lower	Upper
152	100		
150	157.4	127.0	190.6
115	63.4	51.7	77.5

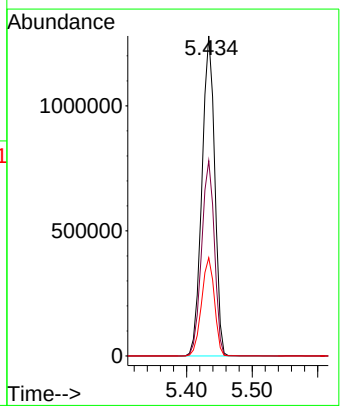


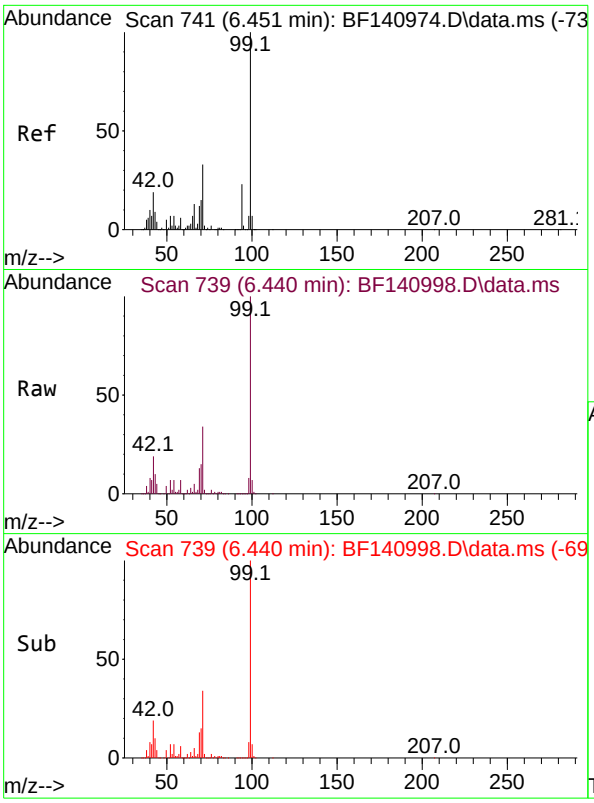


#5
2-Fluorophenol
Concen: 105.503 ng
RT: 5.434 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Tgt Ion:112 Resp: 1742406

Ion	Ratio	Lower	Upper
112	100		
64	61.0	47.7	71.5
63	30.7	24.2	36.2



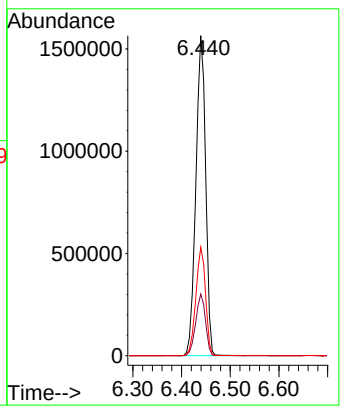


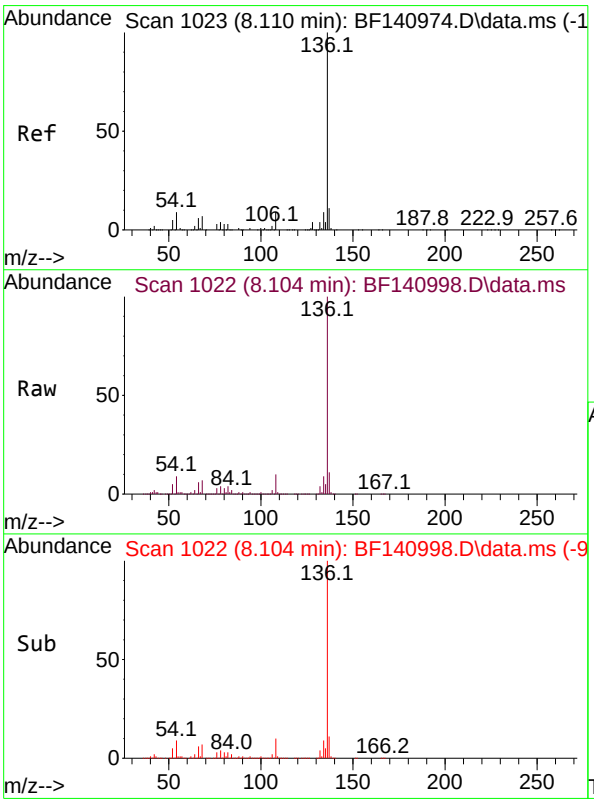
#7
Phenol-d6
Concen: 103.403 ng
RT: 6.440 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion: 99 Resp: 2199933

Ion	Ratio	Lower	Upper
99	100		
42	19.2	15.0	22.4
71	33.9	26.2	39.2

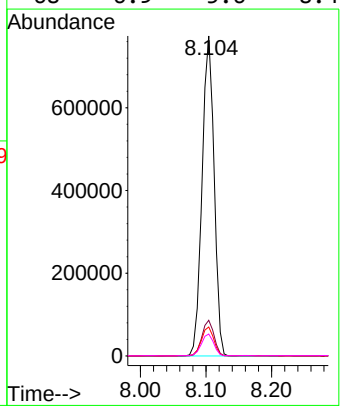


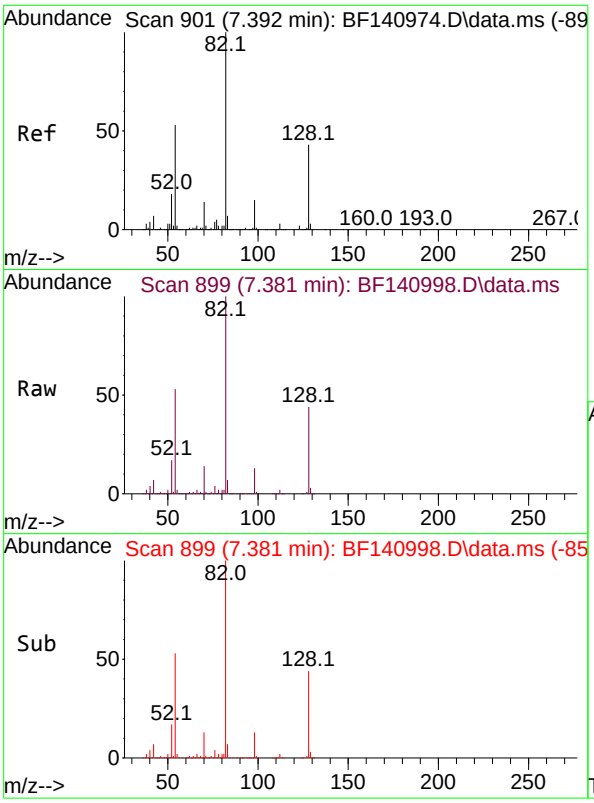


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Tgt Ion:136 Resp: 990169

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	9.1	7.6	11.4
68	6.9	5.6	8.4



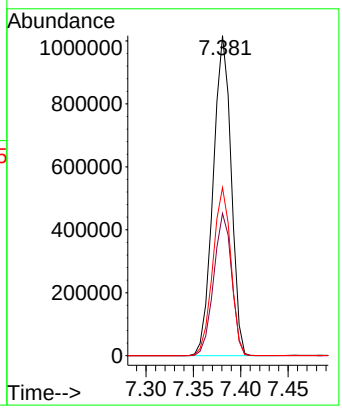


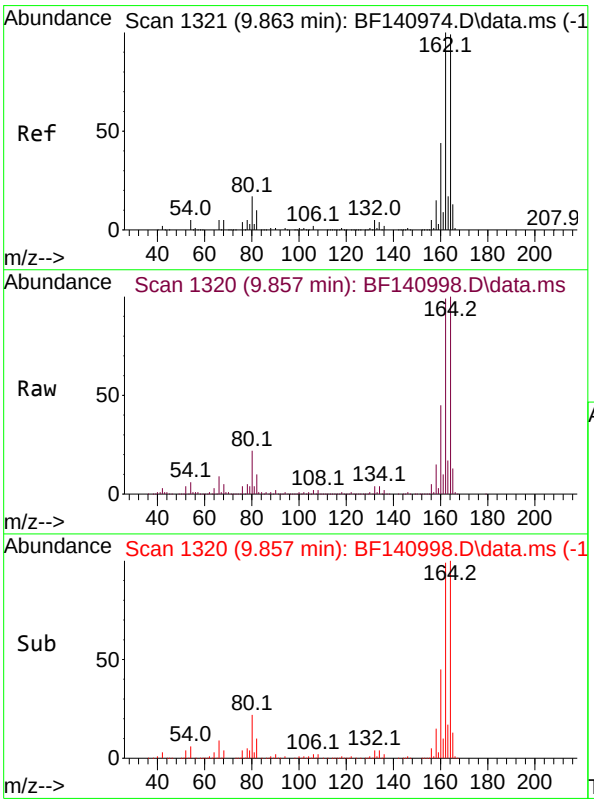
#23
Nitrobenzene-d5
Concen: 86.873 ng
RT: 7.381 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion: 82 Resp: 1344513

Ion	Ratio	Lower	Upper
82	100		
128	44.5	34.4	51.6
54	52.5	42.4	63.6

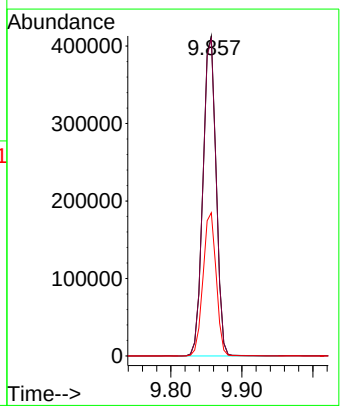


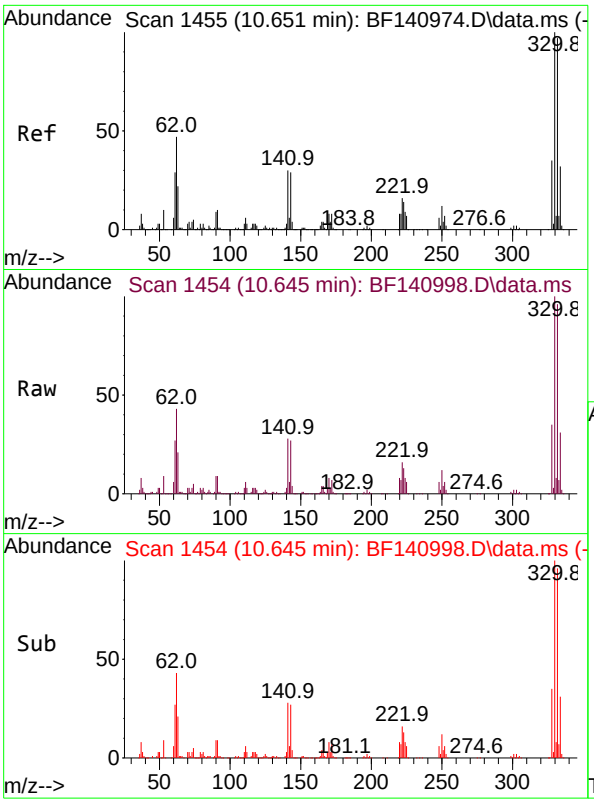


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Tgt Ion:164 Resp: 532678

Ion	Ratio	Lower	Upper
164	100		
162	99.2	80.6	120.8
160	44.7	35.7	53.5



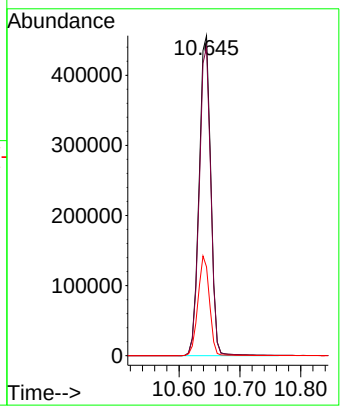


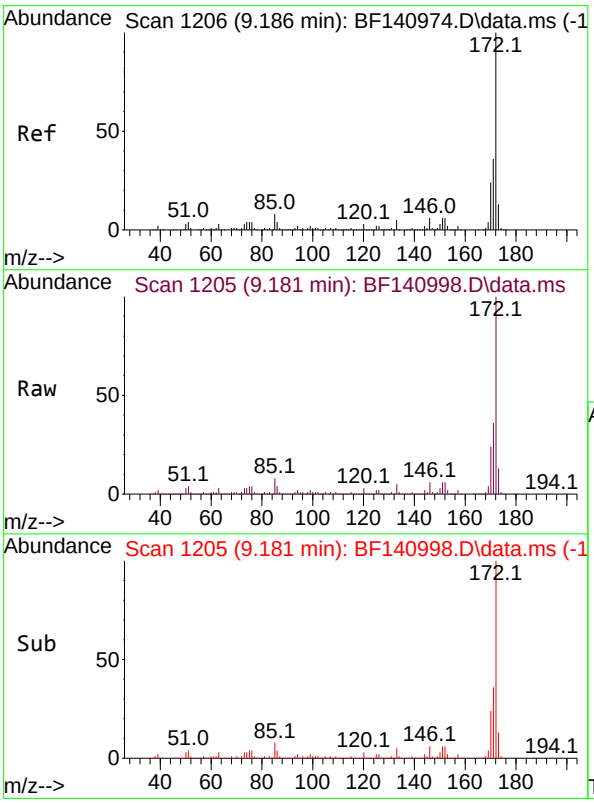
#42
2,4,6-Tribromophenol
Concen: 117.091 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion:330 Resp: 606069

Ion	Ratio	Lower	Upper
330	100		
332	96.1	78.0	117.0
141	30.9	26.4	39.6

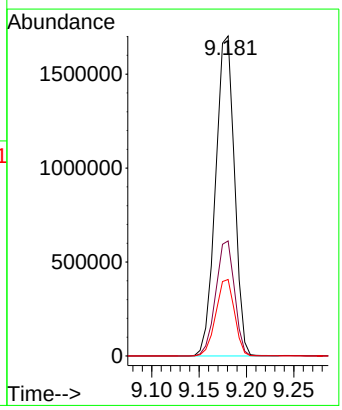


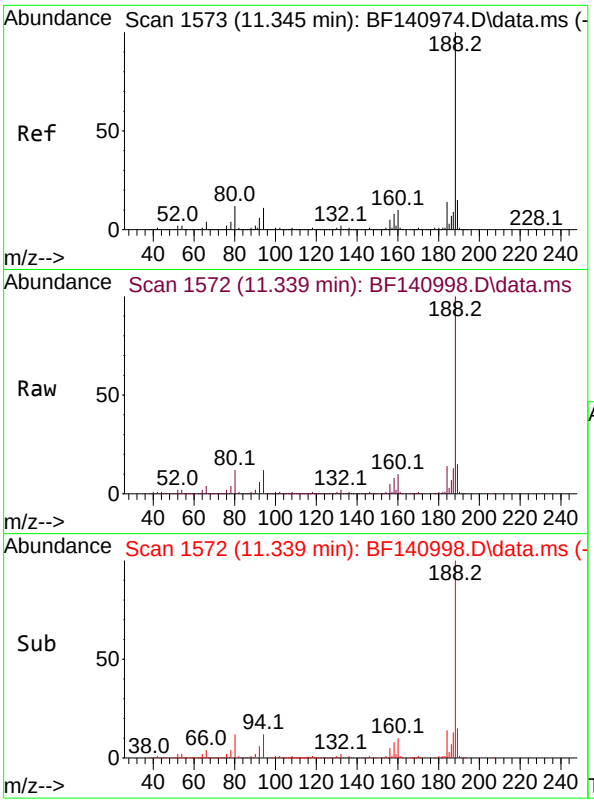


#45
2-Fluorobiphenyl
Concen: 70.795 ng
RT: 9.181 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Tgt Ion:172 Resp: 2366923

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.0	43.4
170	23.9	19.6	29.4



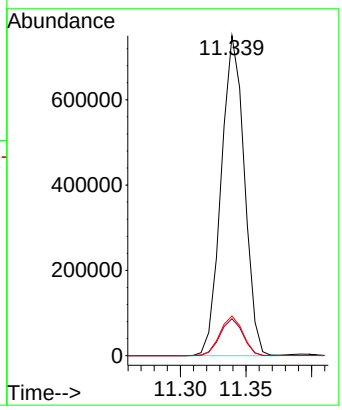


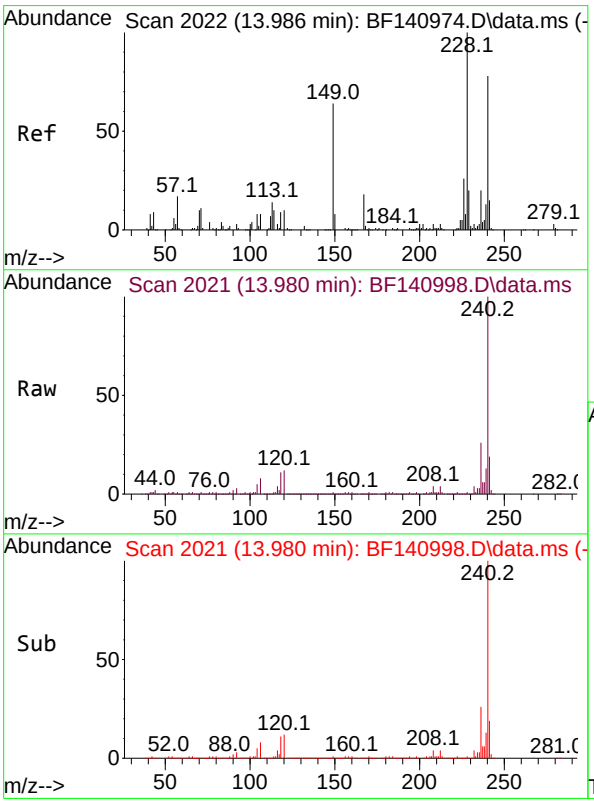
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion:188 Resp: 920169

Ion	Ratio	Lower	Upper
188	100		
94	11.6	9.0	13.6
80	12.4	9.8	14.6

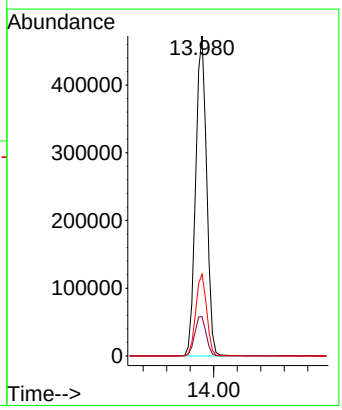


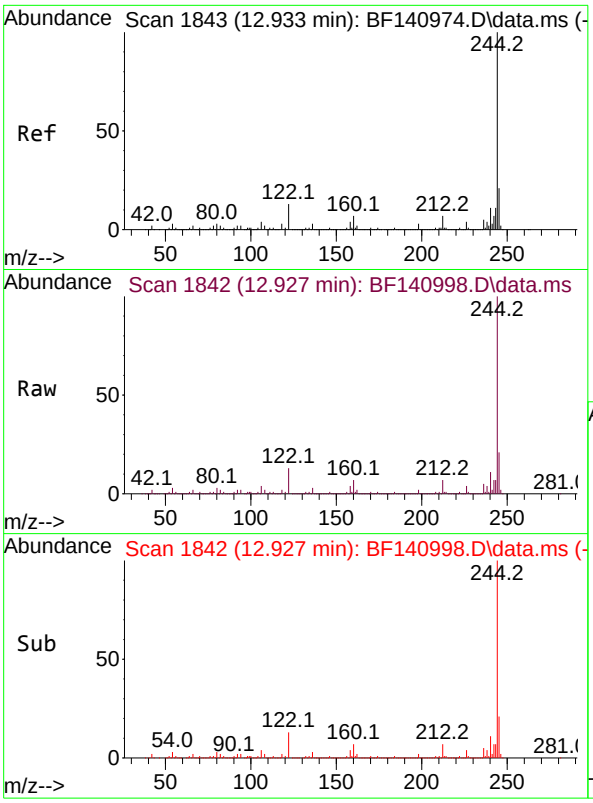


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Tgt Ion:240 Resp: 611482

Ion	Ratio	Lower	Upper
240	100		
120	12.3	10.7	16.1
236	25.6	20.6	31.0



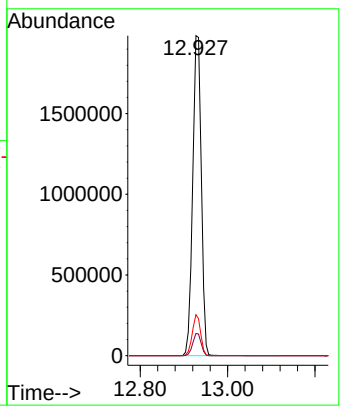


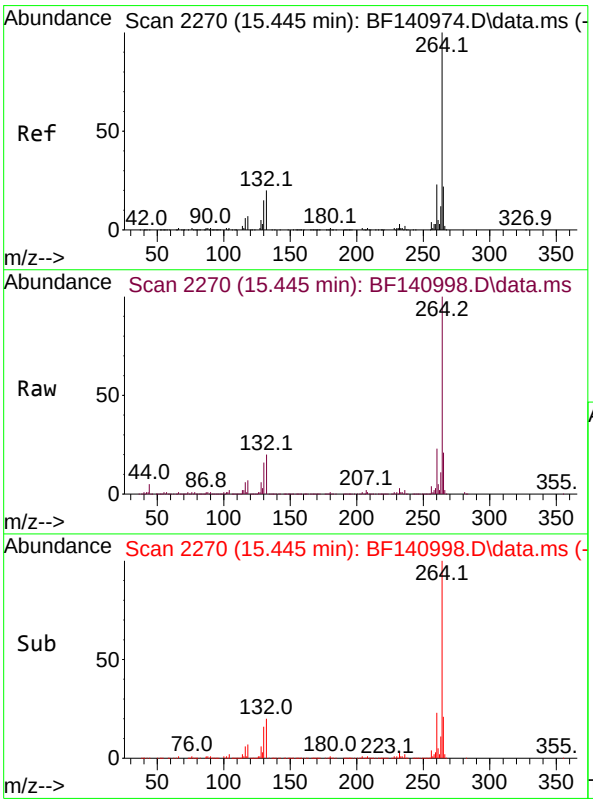
#79
Terphenyl-d14
Concen: 73.632 ng
RT: 12.927 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion:244 Resp: 2710716

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	12.8	10.2	15.2

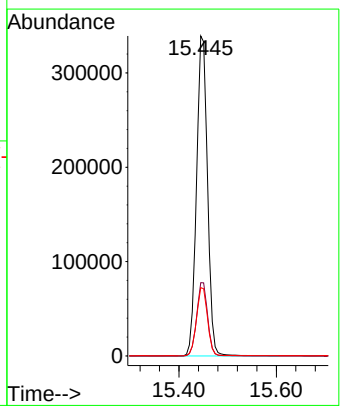




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BF140998.D
Acq: 27 Dec 2024 16:03

Tgt Ion:264 Resp: 533372

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.7	28.1
265	21.4	17.4	26.2



Sample Results: **BF140998.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

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-BF122624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140998.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.893	297	306	315	rBV	56114	95906	1.31%	0.175%
2	5.046	492	502	508	rVB	47169	83271	1.13%	0.152%
3	5.434	561	568	573	rBV	4512168	6146107	83.65%	11.222%
4	6.440	732	739	745	rBV	4467023	6331156	86.17%	11.560%
5	6.822	799	804	810	rVB	1232077	1512528	20.59%	2.762%
6	7.381	890	899	904	rBV	3001706	4021656	54.73%	7.343%
7	7.422	904	906	910	rVB	70753	77659	1.06%	0.142%
8	7.639	938	943	950	rVB2	138497	195688	2.66%	0.357%
9	8.104	1012	1022	1027	rBV	1611546	2281149	31.05%	4.165%
10	8.169	1027	1033	1036	rVB	86185	115295	1.57%	0.211%
11	8.316	1054	1058	1066	rVB4	58046	109580	1.49%	0.200%
12	8.398	1066	1072	1078	rBV4	74582	158812	2.16%	0.290%
13	8.481	1083	1086	1090	rVV2	59223	83887	1.14%	0.153%
14	8.528	1090	1094	1103	rVB	150059	237971	3.24%	0.434%
15	8.698	1118	1123	1127	rVV	342487	450543	6.13%	0.823%
16	8.792	1136	1139	1143	rVB2	65722	83813	1.14%	0.153%
17	8.986	1167	1172	1173	rBV2	70143	98345	1.34%	0.180%
18	9.063	1181	1185	1188	rBV	67494	77930	1.06%	0.142%
19	9.128	1193	1196	1199	rVV	192227	224866	3.06%	0.411%
20	9.181	1199	1205	1209	rVB	5047657	7026377	95.63%	12.829%
21	9.263	1214	1219	1224	rBV	548122	719770	9.80%	1.314%
22	9.581	1268	1273	1281	rVB2	158452	289845	3.94%	0.529%
23	9.792	1305	1309	1313	rVB	199483	245284	3.34%	0.448%
24	9.857	1313	1320	1325	rVB	1759246	2313587	31.49%	4.224%
25	10.569	1435	1441	1447	rBV	860677	1087363	14.80%	1.985%
26	10.639	1447	1453	1467	rBV	3406005	4560799	62.07%	8.327%
27	11.339	1567	1572	1579	rVV	1903833	2349662	31.98%	4.290%
28	11.410	1579	1584	1588	rVB2	91688	117421	1.60%	0.214%
29	11.874	1654	1663	1677	rBV2	801438	1315974	17.91%	2.403%
30	12.574	1774	1782	1790	rBV5	41354	126072	1.72%	0.230%
31	12.657	1791	1796	1808	rVV	201357	332185	4.52%	0.607%
32	12.927	1836	1842	1848	rBV	5453407	7347570	100.00%	13.416%
33	13.510	1937	1941	1948	rVB	50790	79378	1.08%	0.145%
34	13.833	1991	1996	2013	rBV	558557	907712	12.35%	1.657%
35	13.980	2015	2021	2029	rBV	1313759	1754927	23.88%	3.204%
36	14.163	2048	2052	2061	rVB	62364	84977	1.16%	0.155%

Sample Results: **BF140998.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

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-BF122624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	14.474	2101	2105	2119	rBV2	66412	127556	1.74%	0.233%
38	14.857	2167	2170	2177	rVB	57131	80869	1.10%	0.148%
39	15.445	2264	2270	2277	rBV	924074	1435631	19.54%	2.621%
40	15.992	2359	2363	2372	rVB4	42500	80034	1.09%	0.146%

Sum of corrected areas: 54769155

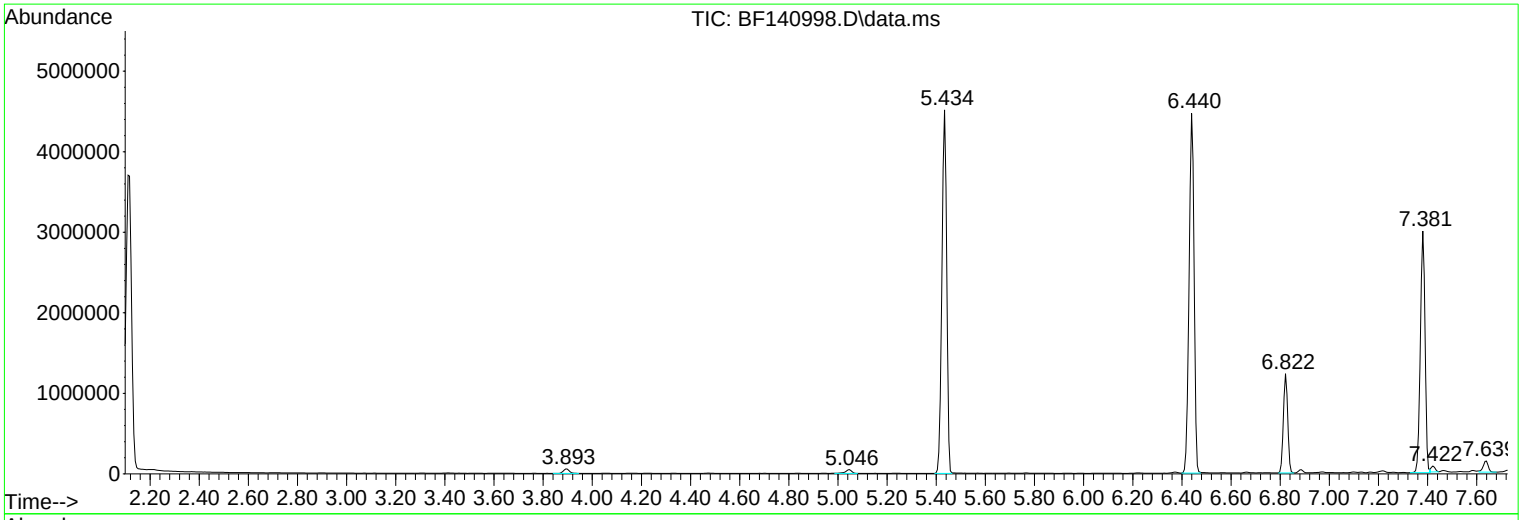
Sample Results: **BF140998.D**

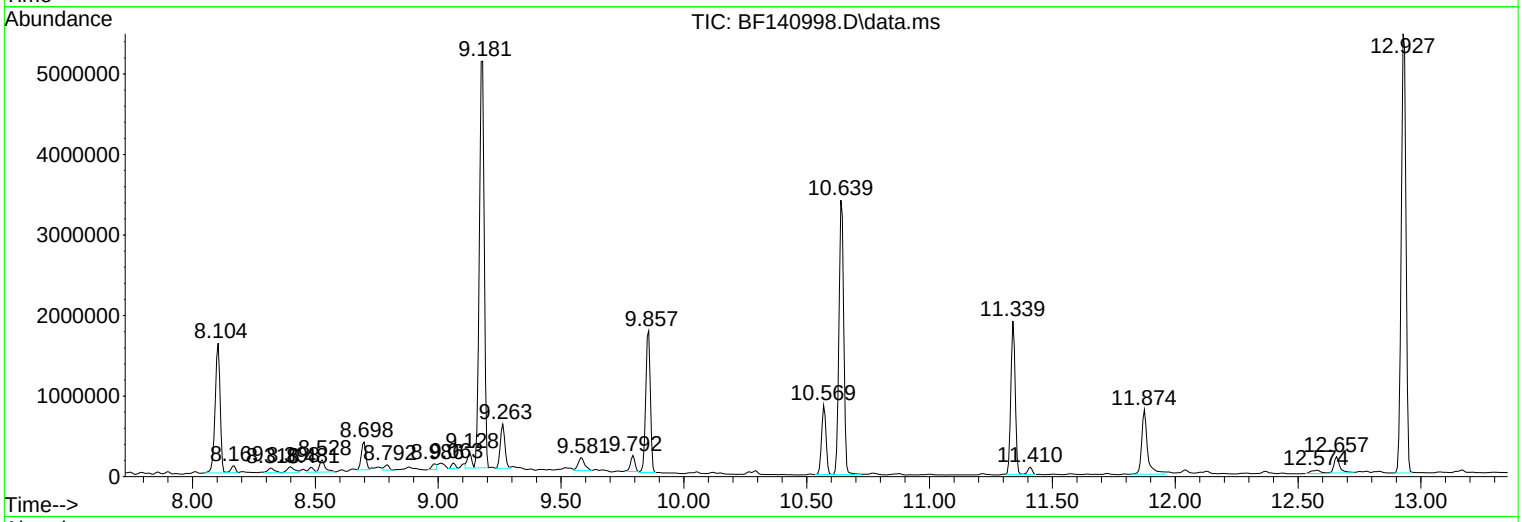
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

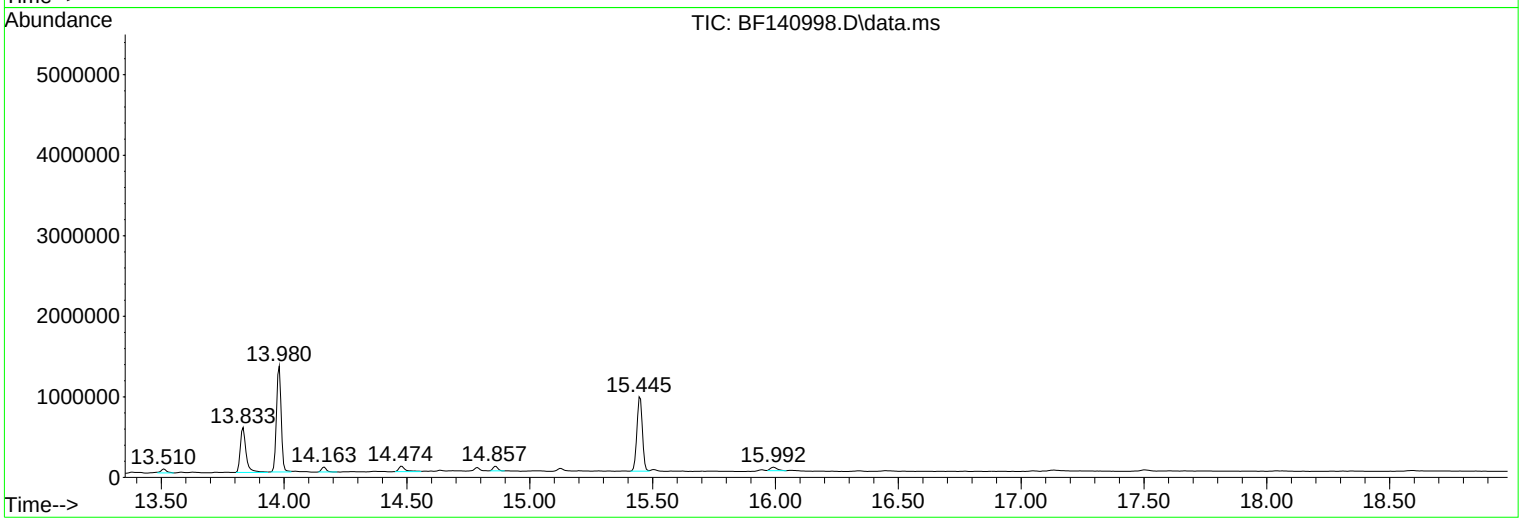
Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Sample Results: **BF140998.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

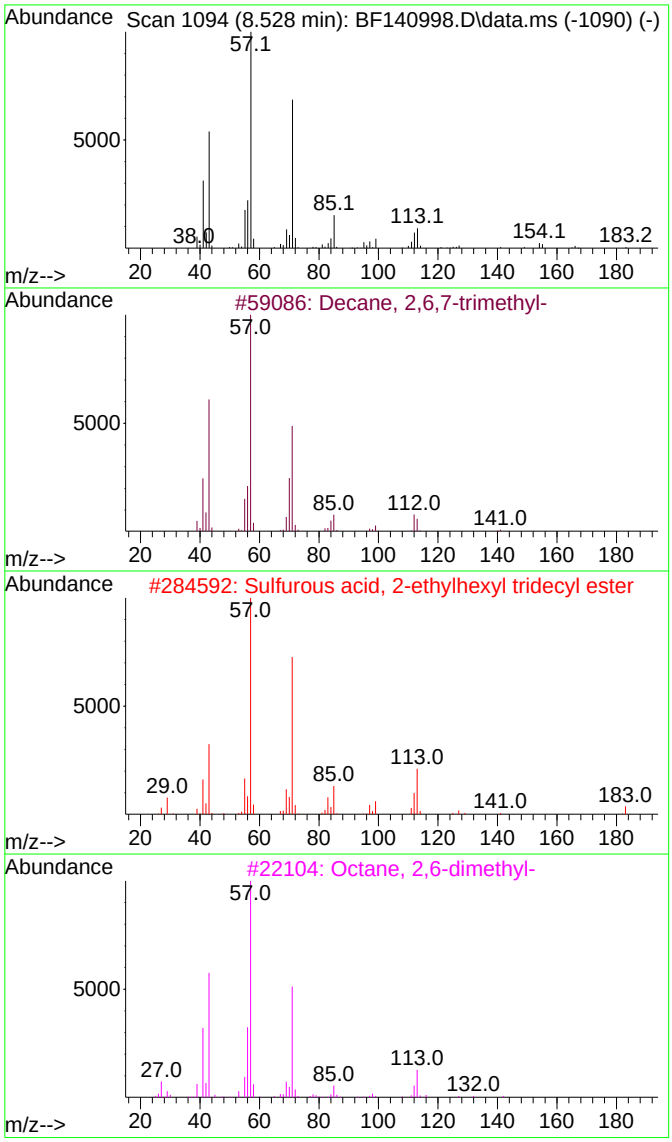
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

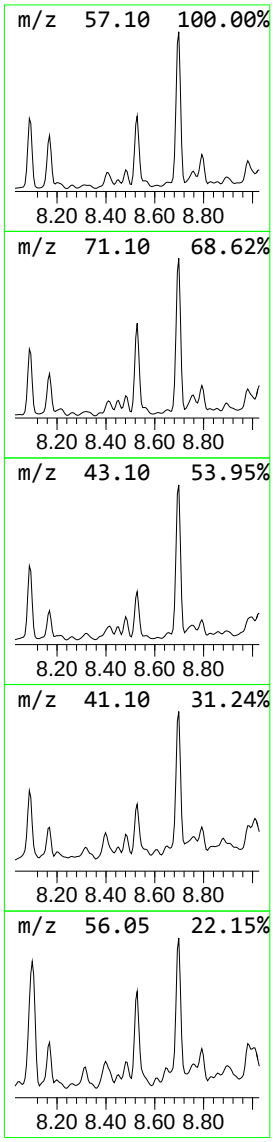
****

Peak Number 1 Decane, 2,6,7-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.528	2.09 ng	237971	Naphthalene-d8	8.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	78
2	Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	72
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64
5	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

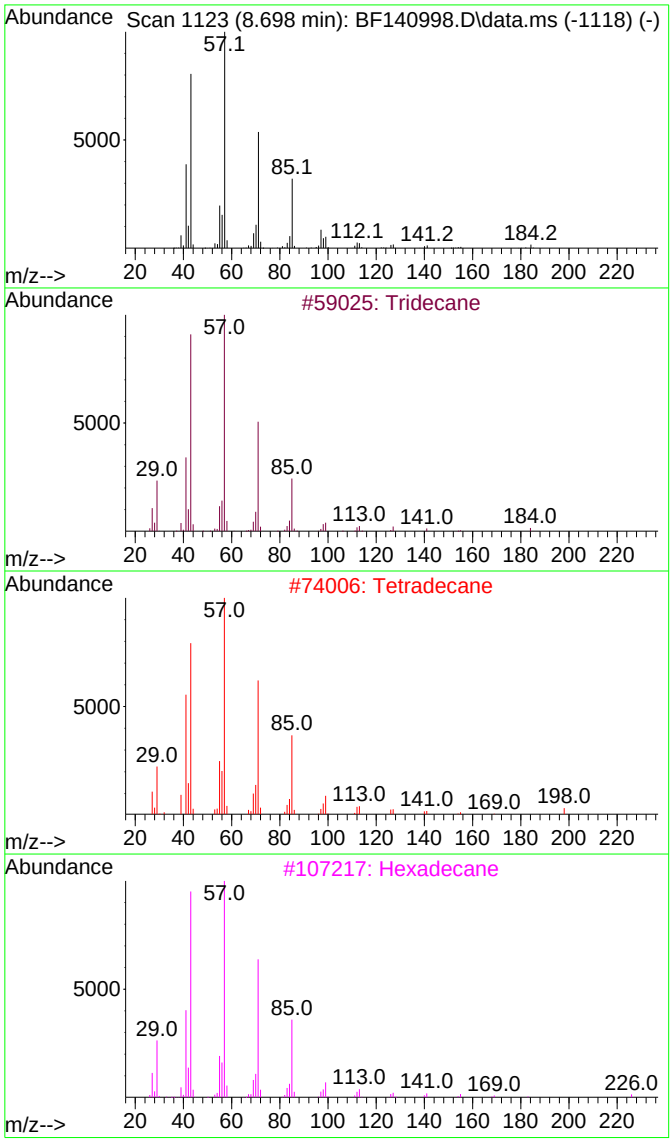
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

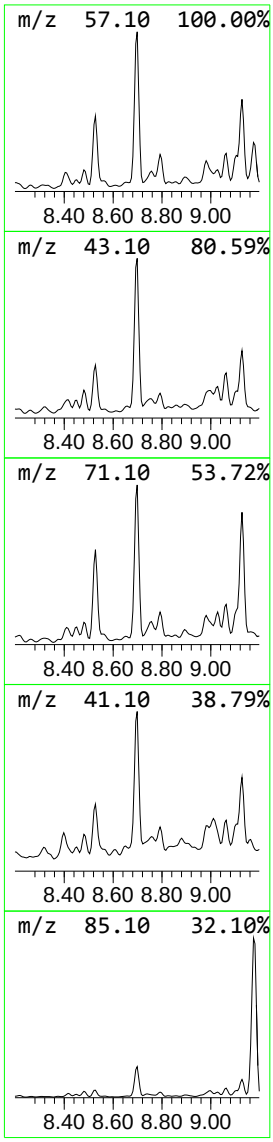
****

Peak Number 2 Tridecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.698	3.95 ng	450543	Naphthalene-d8	8.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	93
2	Tetradecane	198	C14H30	000629-59-4	86
3	Hexadecane	226	C16H34	000544-76-3	80
4	Dodecane	170	C12H26	000112-40-3	78
5	Pentadecane	212	C15H32	000629-62-9	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

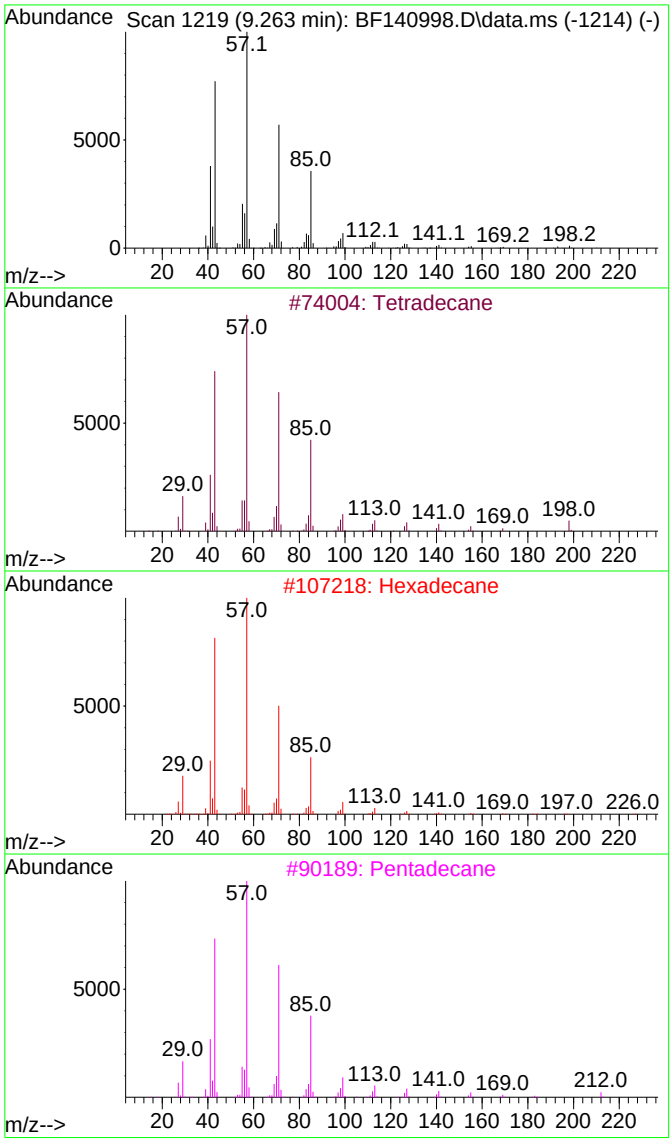
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

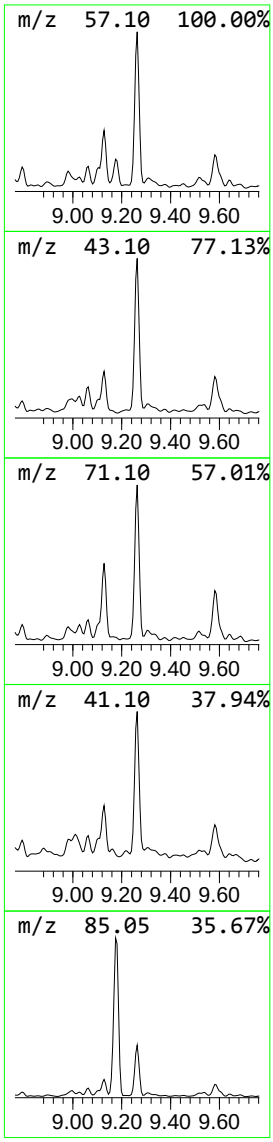
****

Peak Number 3 Tetradecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.263	6.22 ng	719770	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	96
2	Hexadecane	226	C16H34	000544-76-3	91
3	Pentadecane	212	C15H32	000629-62-9	90
4	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	80
5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	74





Sample Results: **BF140998.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

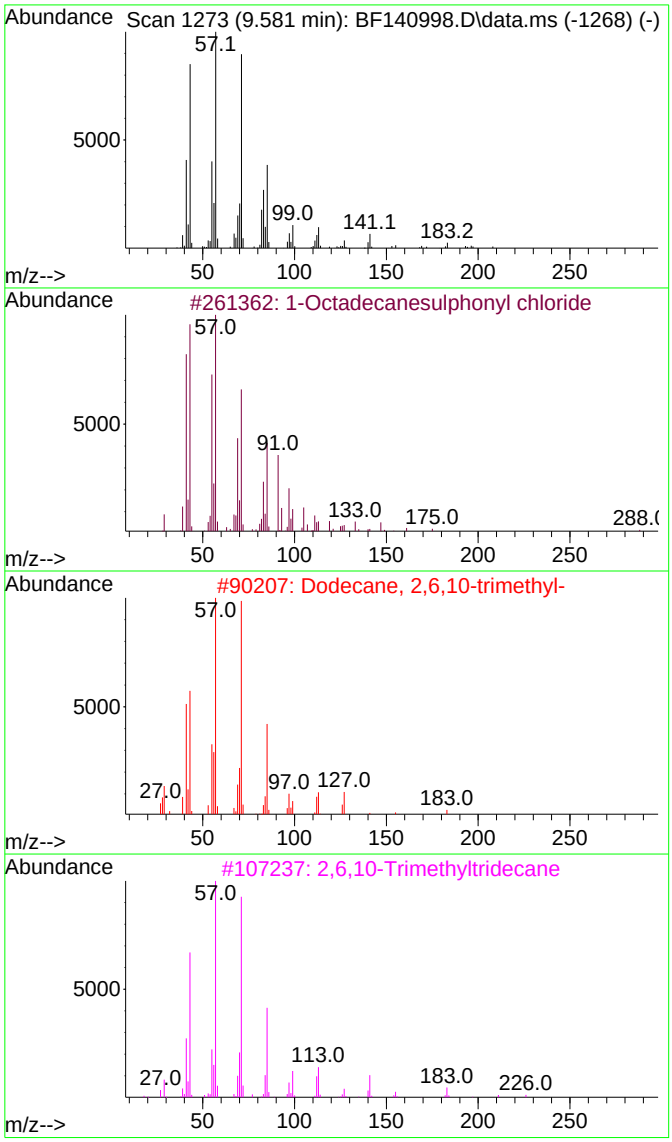
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

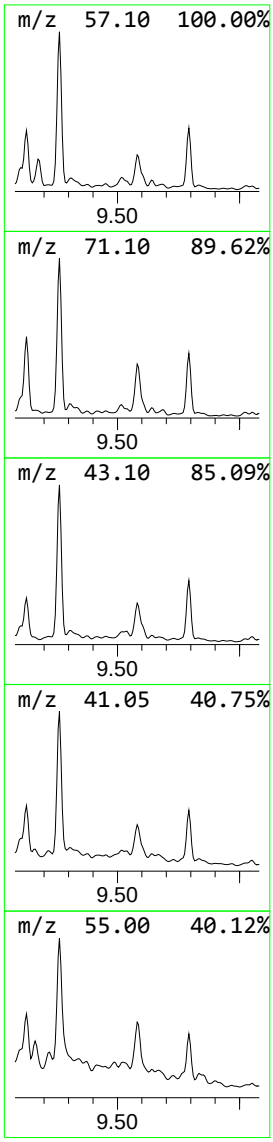
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1-Octadecanesulphonyl chloride Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.581	2.51 ng	289845	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	90
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	83
3	2,6,10-Trimethyltridecane	226	C16H34	003891-99-4	80
4	Hexadecane	226	C16H34	000544-76-3	80
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

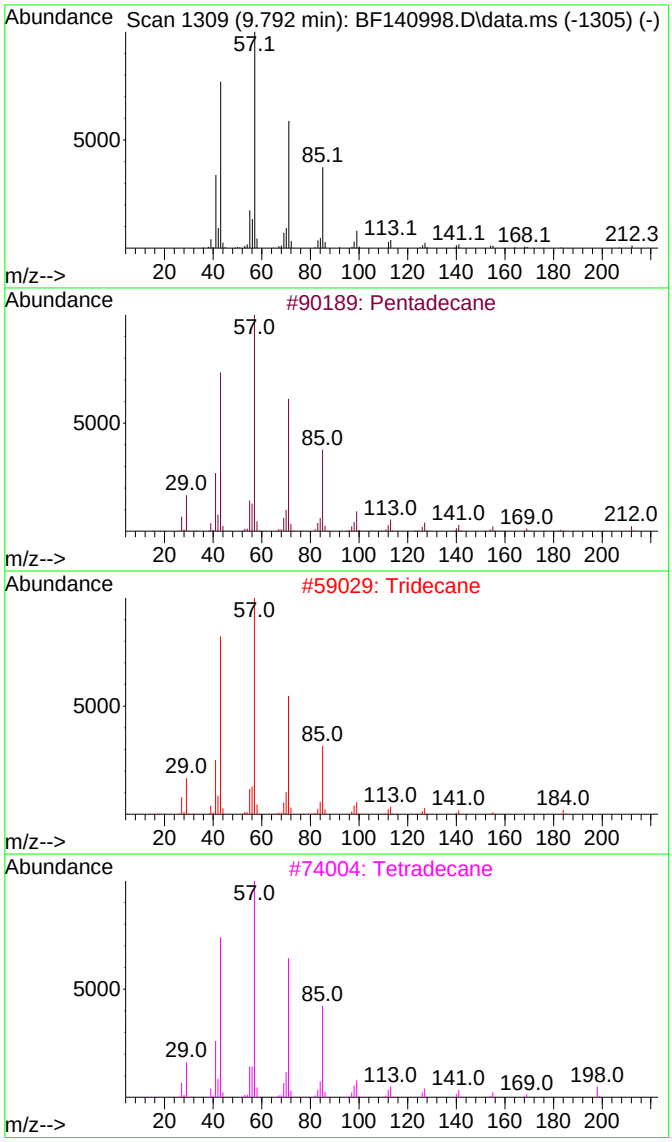
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

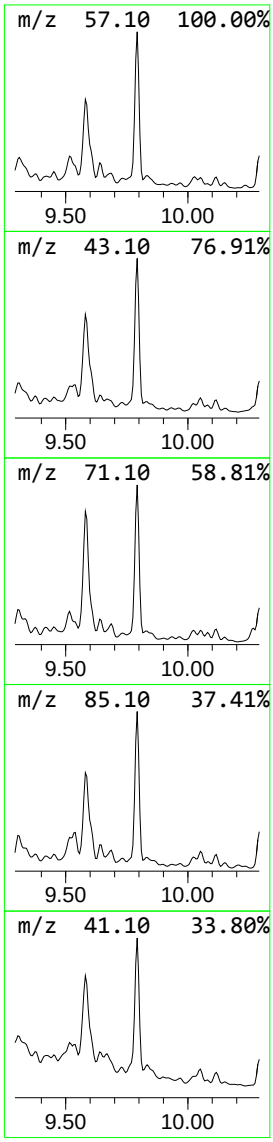
****

Peak Number 5 Pentadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.792	2.12 ng	245284	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	95
2	Tridecane	184	C13H28	000629-50-5	90
3	Tetradecane	198	C14H30	000629-59-4	90
4	Hexadecane	226	C16H34	000544-76-3	90
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86





Sample Results: **BF140998.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

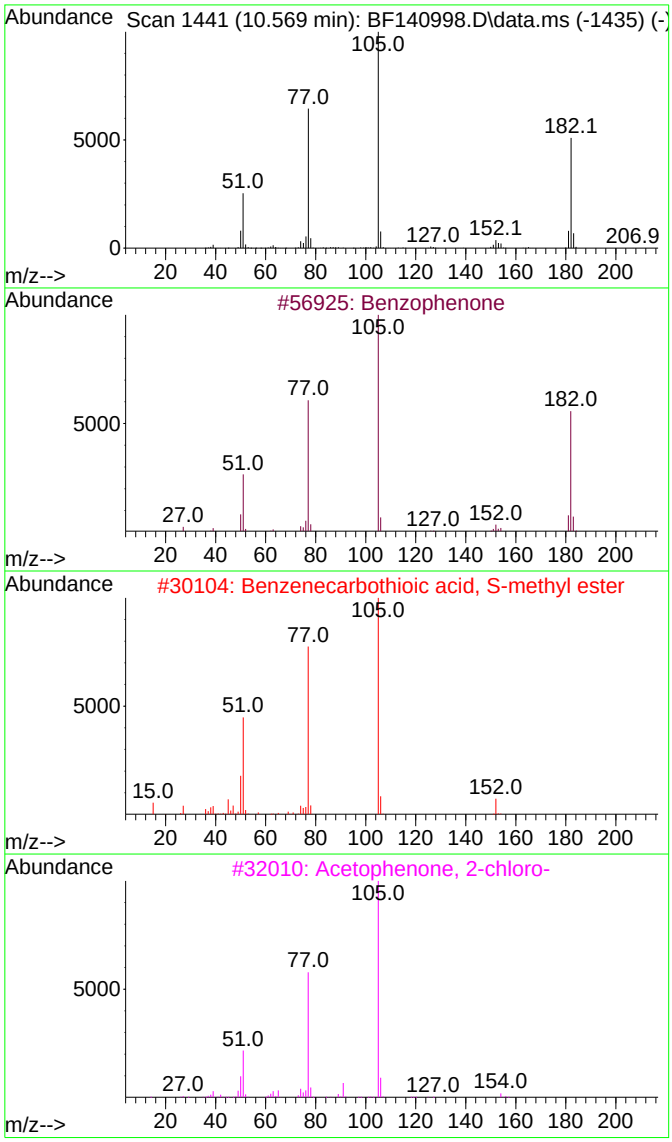
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

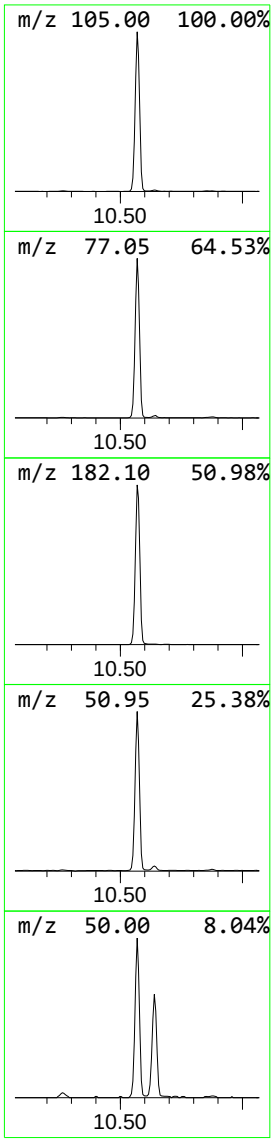
****

Peak Number 6 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.569	9.40 ng	1087360	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	50
3	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
4	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47
5	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

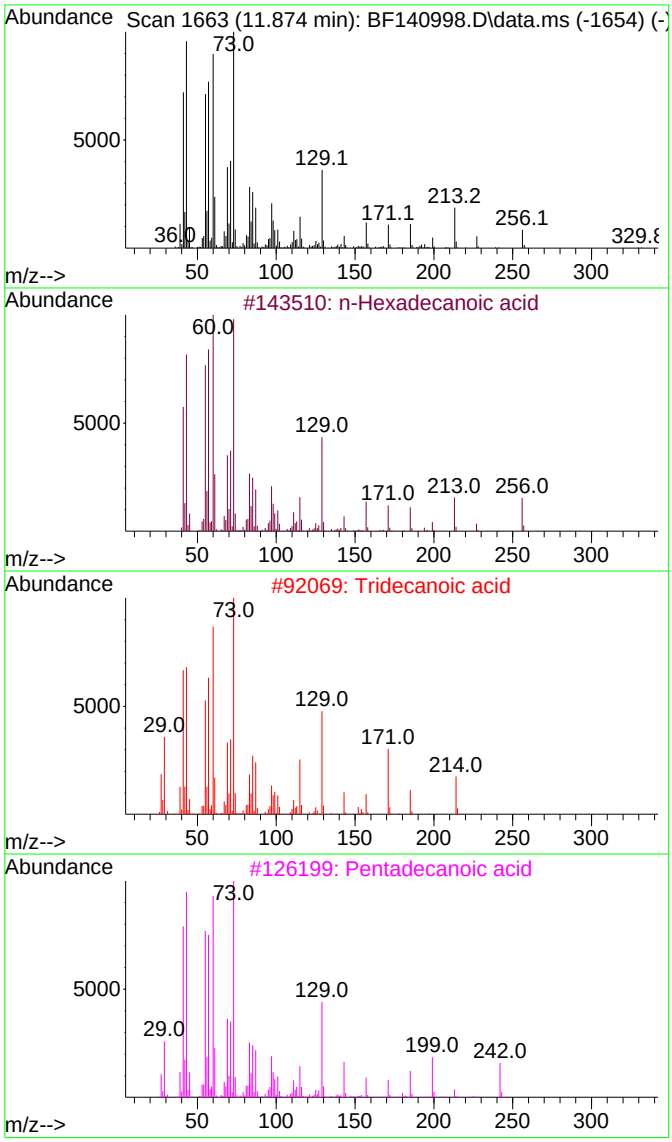
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

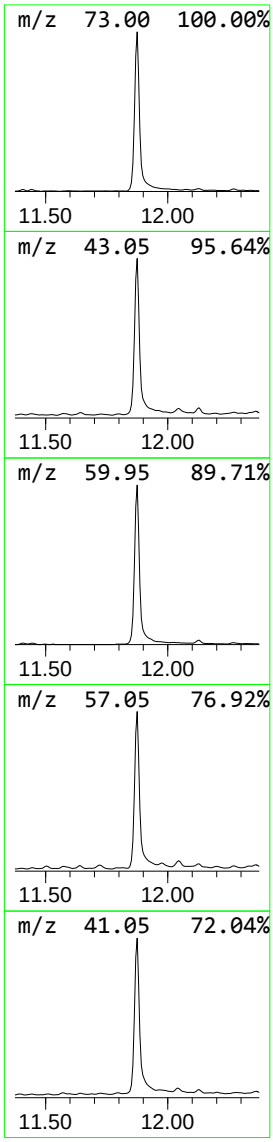
****

Peak Number 7 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.874	11.20 ng	1315970	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	95
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4	Octadecanoic acid	284	C18H36O2	000057-11-4	76
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

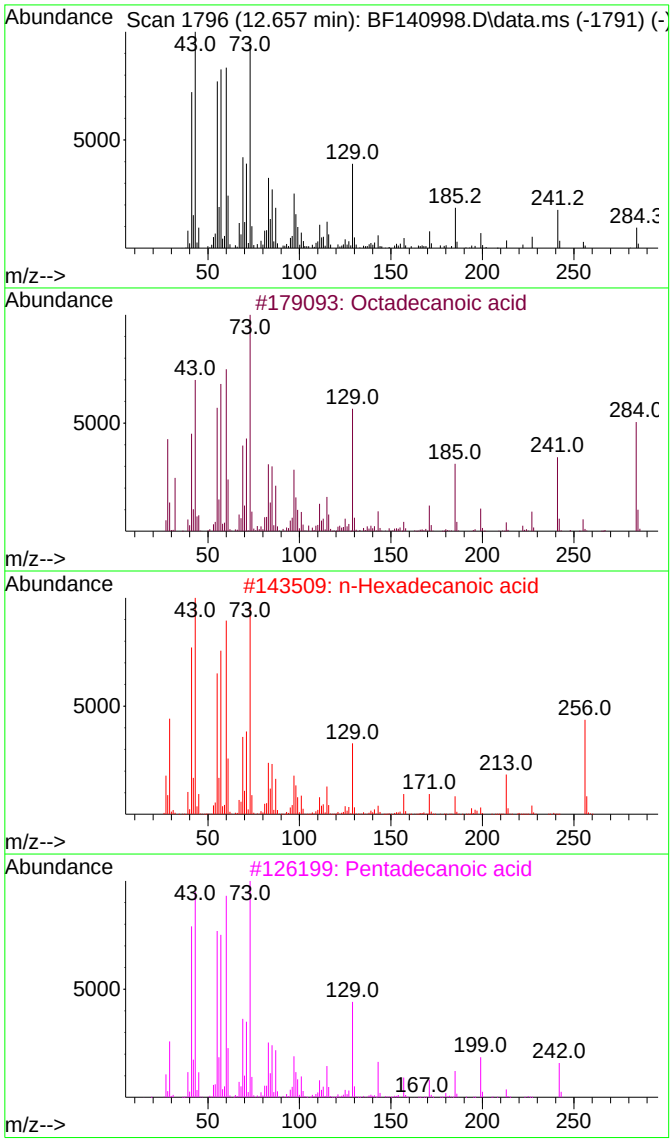
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

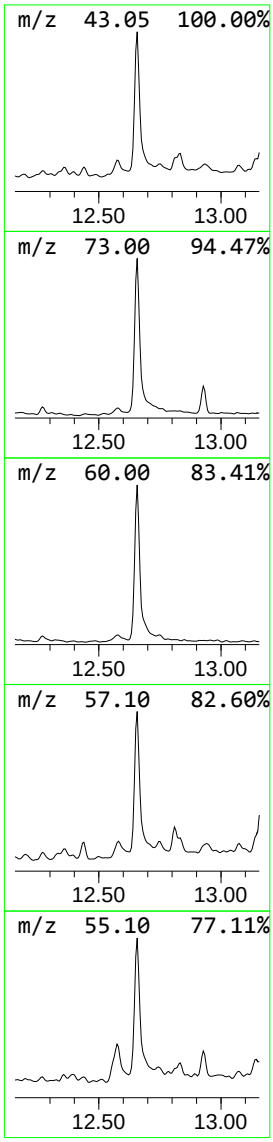
****

Peak Number 8 Octadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.657	2.83 ng	332185	Phenanthrene-d10	11.339

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	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	91
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

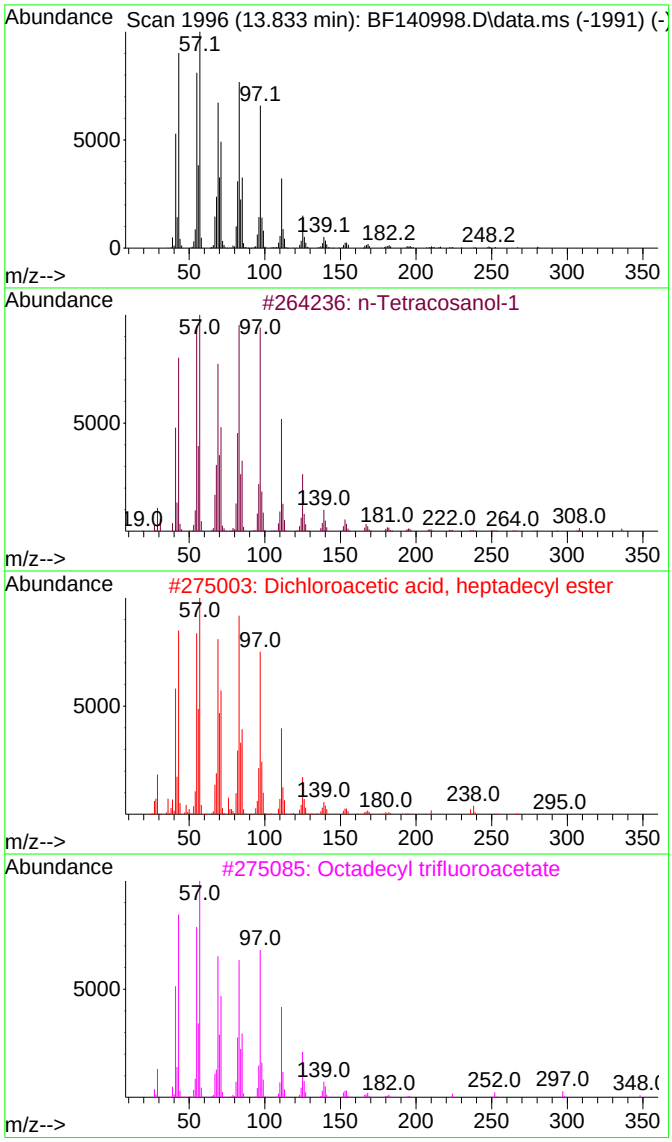
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

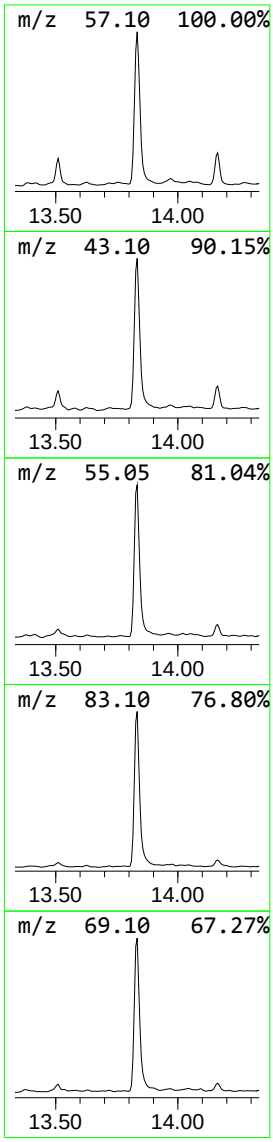
****

Peak Number 9 n-Tetracosanol-1 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.833	10.34 ng	907712	Chrysene-d12	13.980

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
2	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	94
3	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	94
4	Octacosanol	410	C28H58O	000557-61-9	94
5	1-Hexacosene	364	C26H52	018835-33-1	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140998.D
Acq On : 27 Dec 2024 16:03
Operator : RC/JU
Sample : P5299-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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
Decane, 2,6,7-t...	8.528	2.1	ng	237971	2	8.104	2281150	20.0
Tridecane	8.698	4.0	ng	450543	2	8.104	2281150	20.0
Tetradecane	9.263	6.2	ng	719770	3	9.857	2313590	20.0
1-Octadecanesul...	9.581	2.5	ng	289845	3	9.857	2313590	20.0
Pentadecane	9.792	2.1	ng	245284	3	9.857	2313590	20.0
Benzophenone	10.569	9.4	ng	1087360	3	9.857	2313590	20.0
n-Hexadecanoic ...	11.874	11.2	ng	1315970	4	11.339	2349660	20.0
Octadecanoic acid	12.657	2.8	ng	332185	4	11.339	2349660	20.0
n-Tetracosanol-1	13.833	10.3	ng	907712	5	13.980	1754930	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140997.D
Acq On : 27 Dec 2024 15:26
Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Time: Dec 27 15:55:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

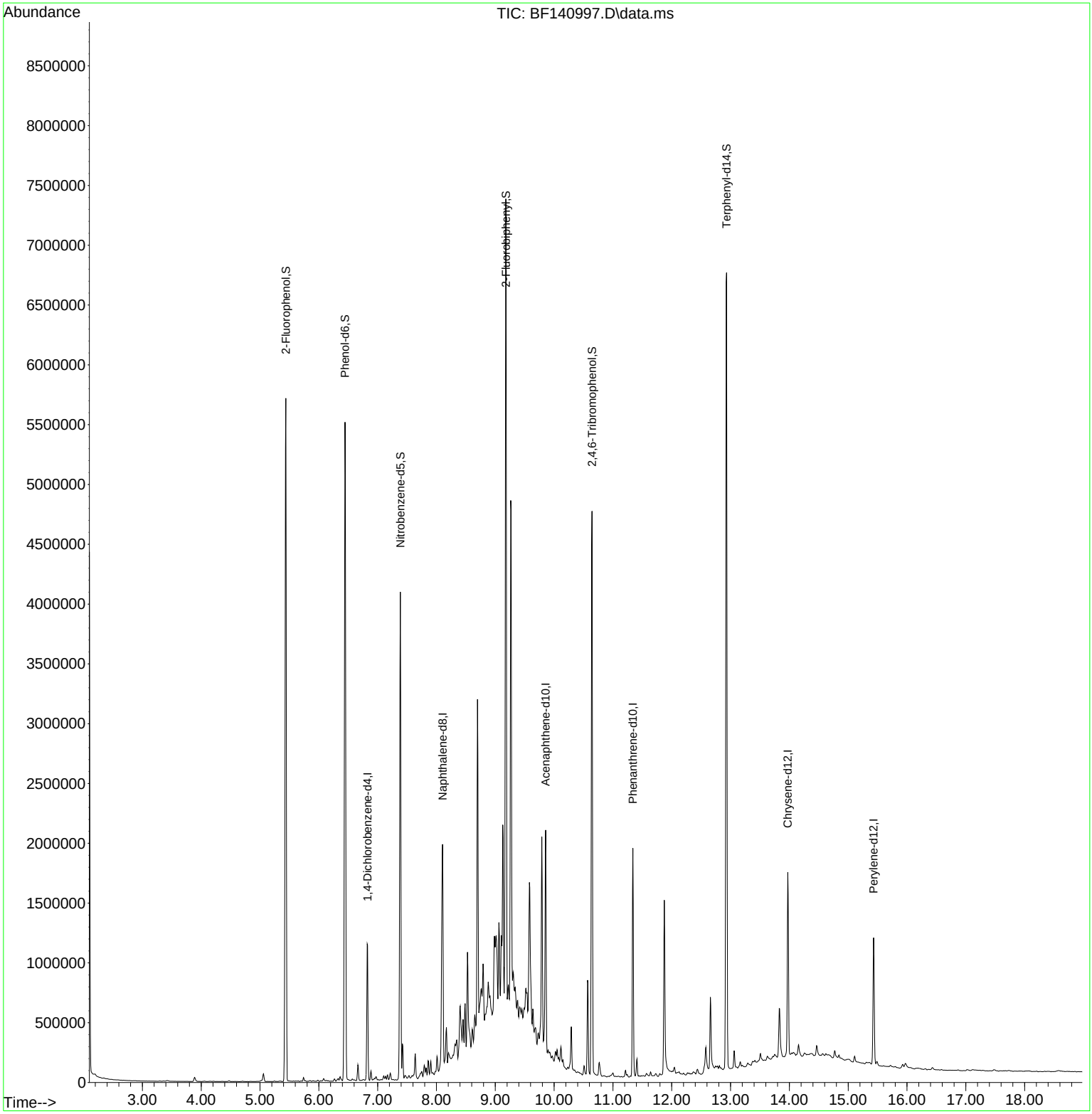
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	238907	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	955704	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	516337	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	913709	20.000	ng	0.00
76) Chrysene-d12	13.974	240	692228	20.000	ng	-0.01
86) Perylene-d12	15.433	264	585265	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	2358477	148.808	ng	0.00
7) Phenol-d6	6.445	99	2945330	144.258	ng	0.00
23) Nitrobenzene-d5	7.386	82	1873347	125.408	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	862439	171.894	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	2893279	89.277	ng	0.00
79) Terphenyl-d14	12.933	244	3450870	82.803	ng	0.00
Target Compounds						Qvalue

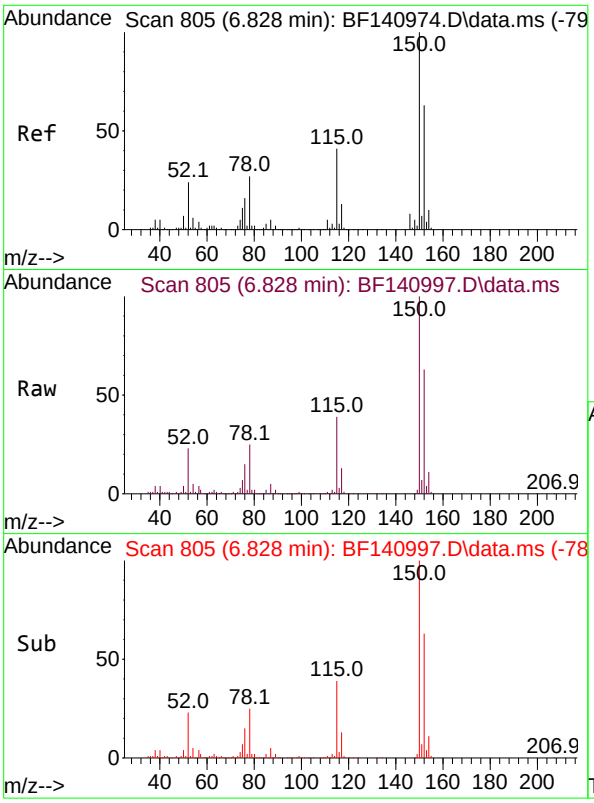
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140997.D
Acq On : 27 Dec 2024 15:26
Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Time: Dec 27 15:55:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration



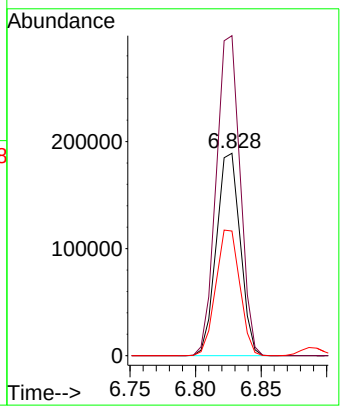


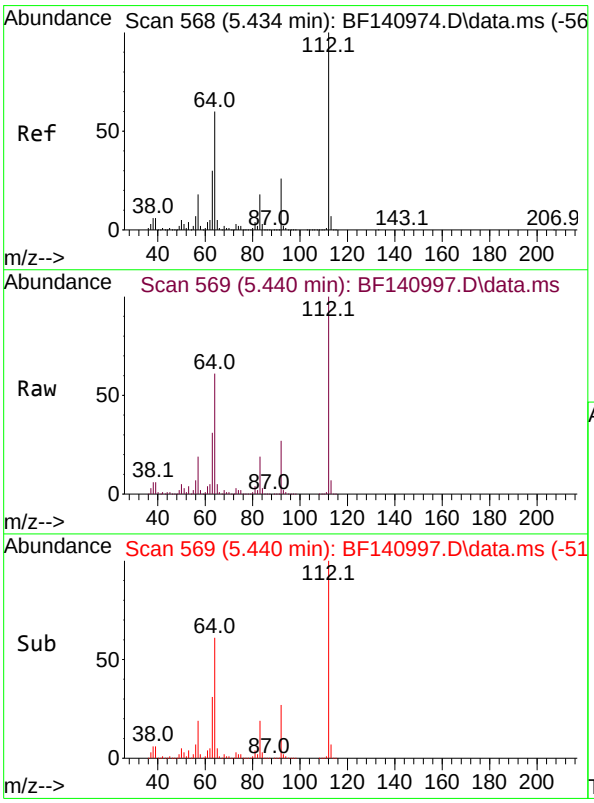
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Instrument :
BNA_F
ClientSampleId :
SB-01

Tgt Ion:152 Resp: 238907

Ion	Ratio	Lower	Upper
152	100		
150	158.0	127.0	190.6
115	61.6	51.7	77.5

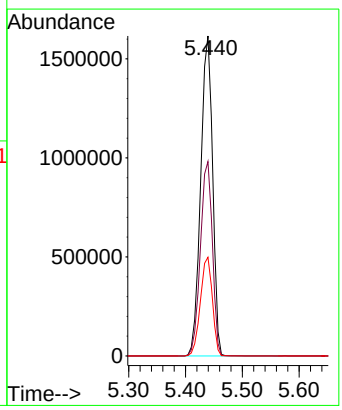


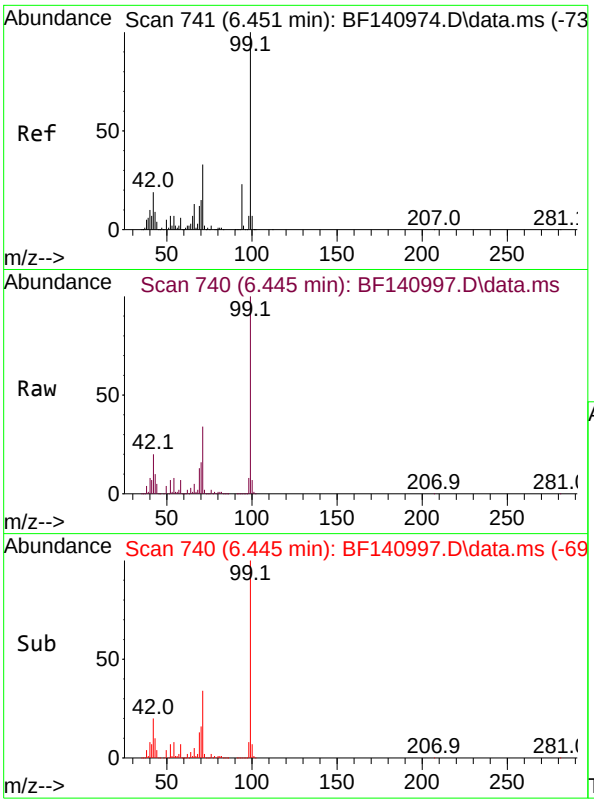


#5
2-Fluorophenol
Concen: 148.808 ng
RT: 5.440 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Tgt Ion:112 Resp: 2358477

Ion	Ratio	Lower	Upper
112	100		
64	60.8	47.7	71.5
63	30.8	24.2	36.2



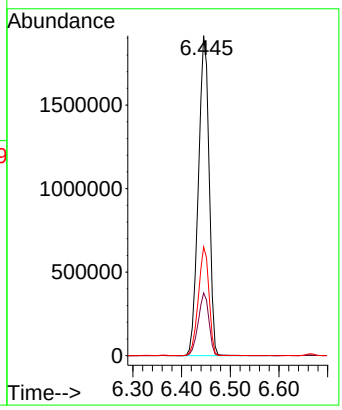


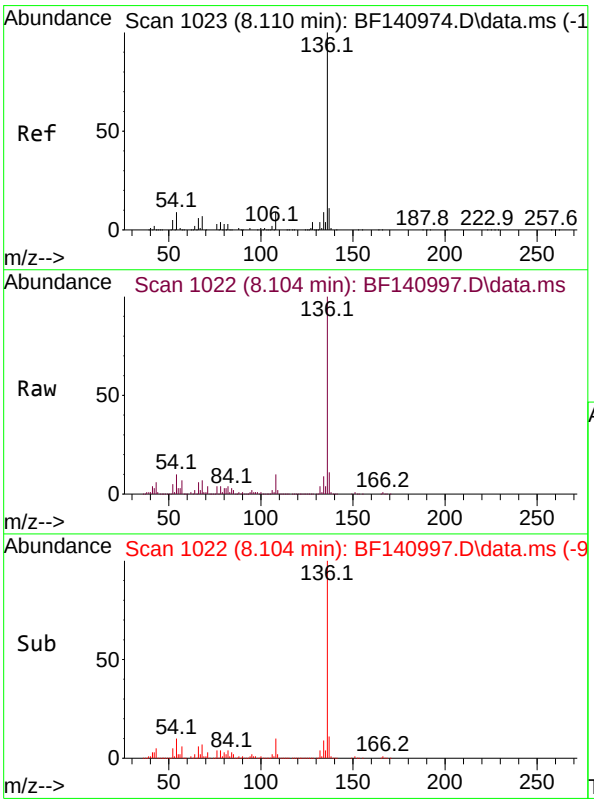
#7
Phenol-d6
Concen: 144.258 ng
RT: 6.445 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Instrument :
BNA_F
ClientSampleId :
SB-01

Tgt Ion: 99 Resp: 2945330

Ion	Ratio	Lower	Upper
99	100		
42	19.6	15.0	22.4
71	34.0	26.2	39.2

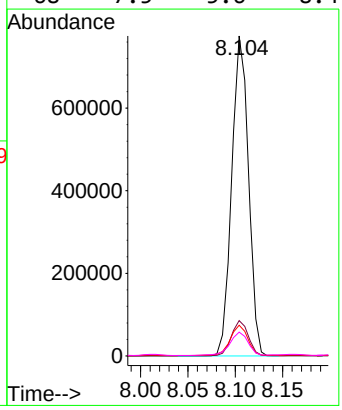


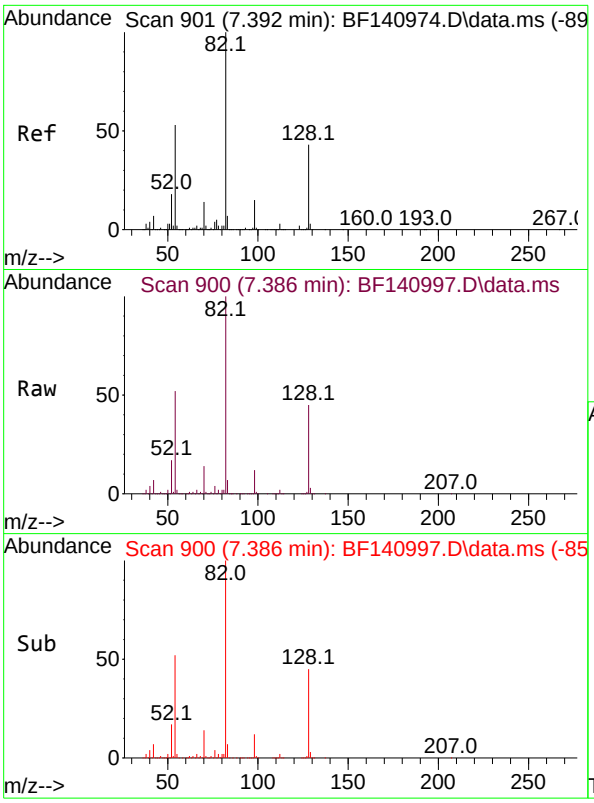


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Tgt Ion:136 Resp: 955704

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	9.6	7.6	11.4
68	7.5	5.6	8.4



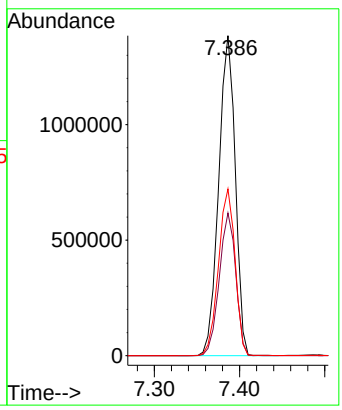


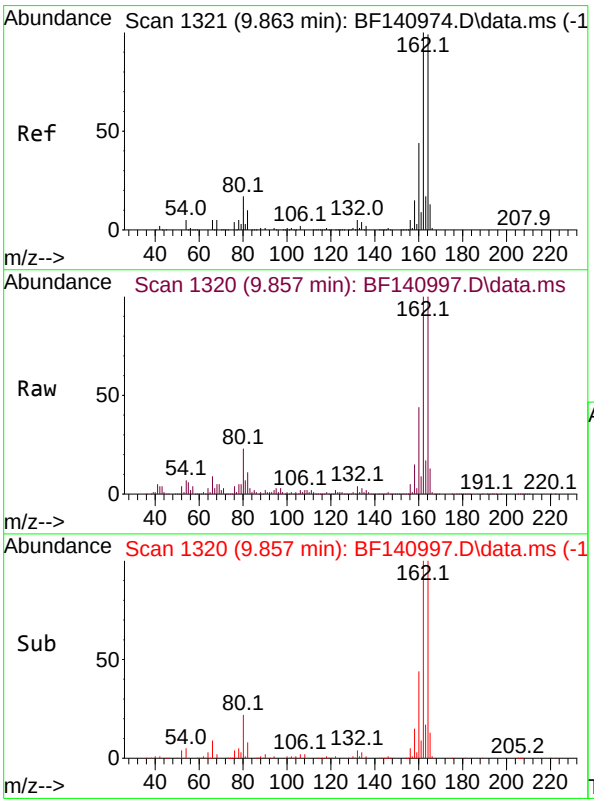
#23
Nitrobenzene-d5
Concen: 125.408 ng
RT: 7.386 min Scan# 9(
Delta R.T. -0.006 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Instrument :
BNA_F
ClientSampleId :
SB-01

Tgt Ion: 82 Resp: 1873347

Ion	Ratio	Lower	Upper
82	100		
128	44.6	34.4	51.6
54	52.1	42.4	63.6

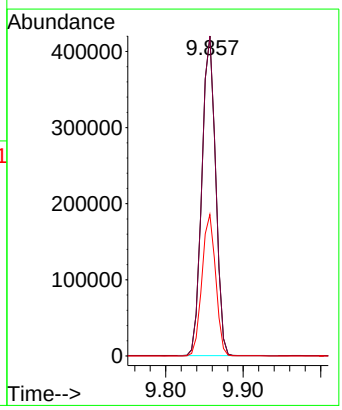


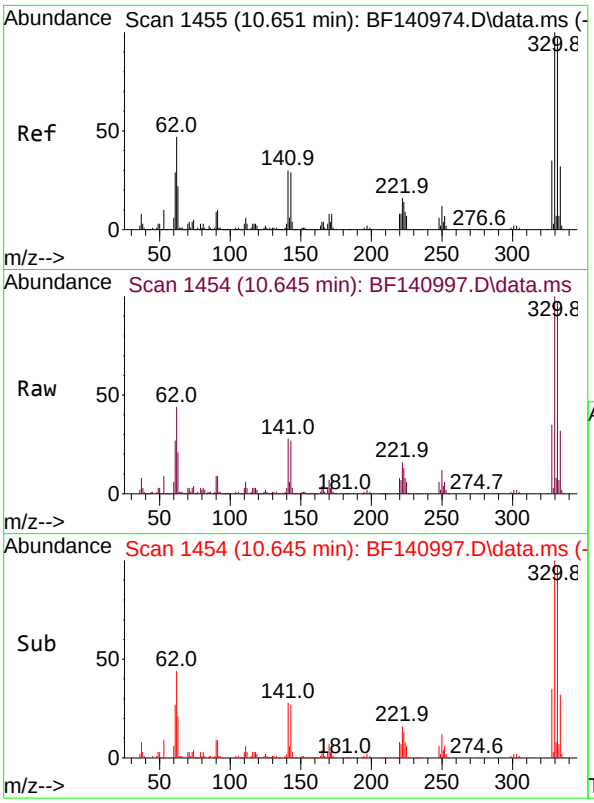


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Tgt Ion:164 Resp: 516337

Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.6	120.8
160	44.2	35.7	53.5



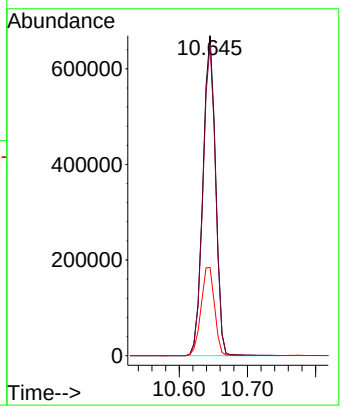


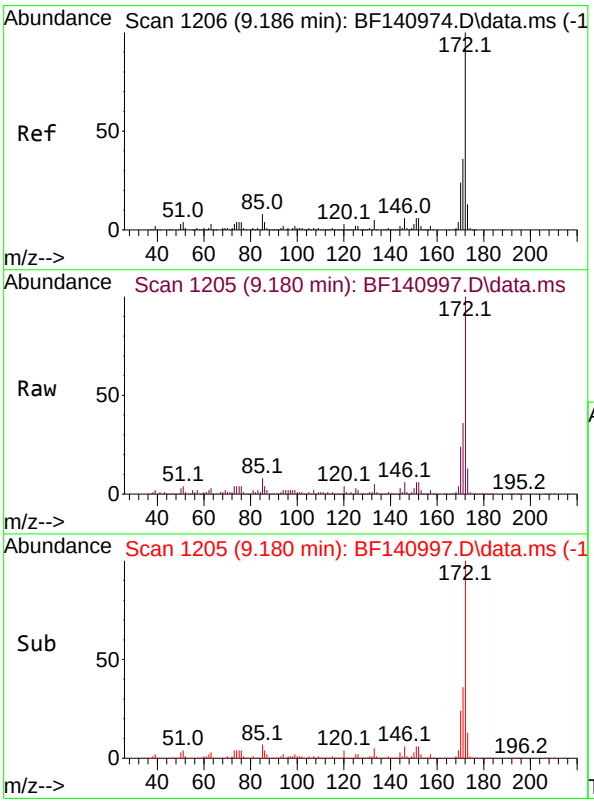
#42
2,4,6-Tribromophenol
Concen: 171.894 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Instrument :
BNA_F
ClientSampleId :
SB-01

Tgt Ion:330 Resp: 862439

Ion	Ratio	Lower	Upper
330	100		
332	97.3	78.0	117.0
141	29.5	26.4	39.6

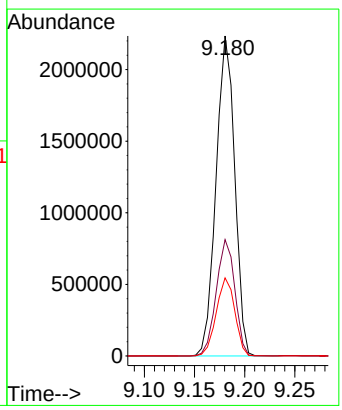


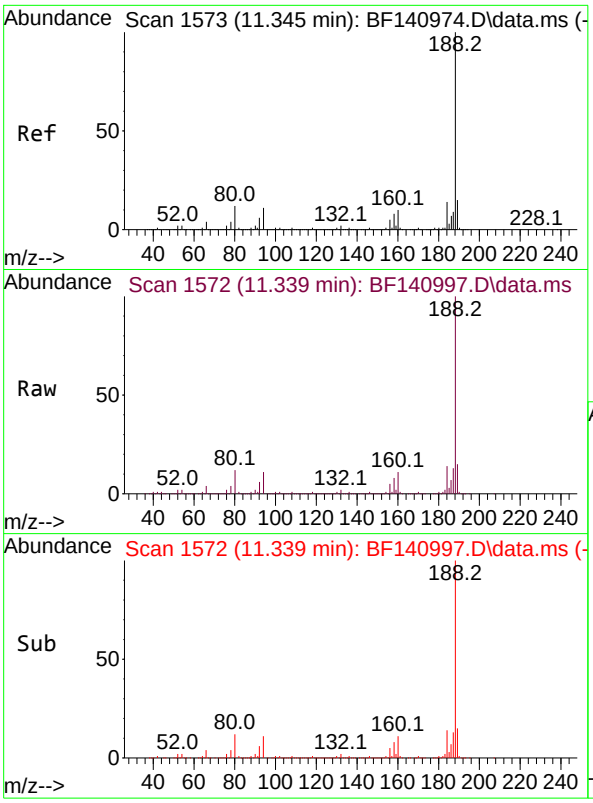


#45
2-Fluorobiphenyl
Concen: 89.277 ng
RT: 9.180 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Tgt Ion:172 Resp: 2893279

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.0	43.4
170	24.4	19.6	29.4



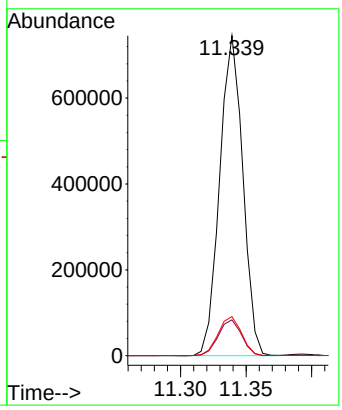


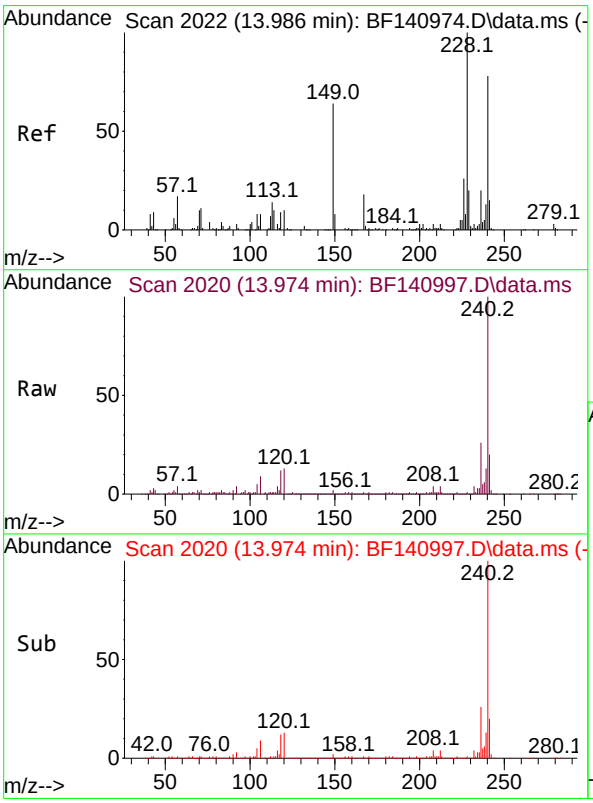
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Instrument :
BNA_F
ClientSampleId :
SB-01

Tgt Ion:188 Resp: 913709

Ion	Ratio	Lower	Upper
188	100		
94	11.2	9.0	13.6
80	12.2	9.8	14.6

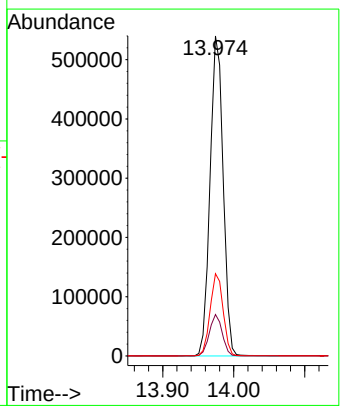


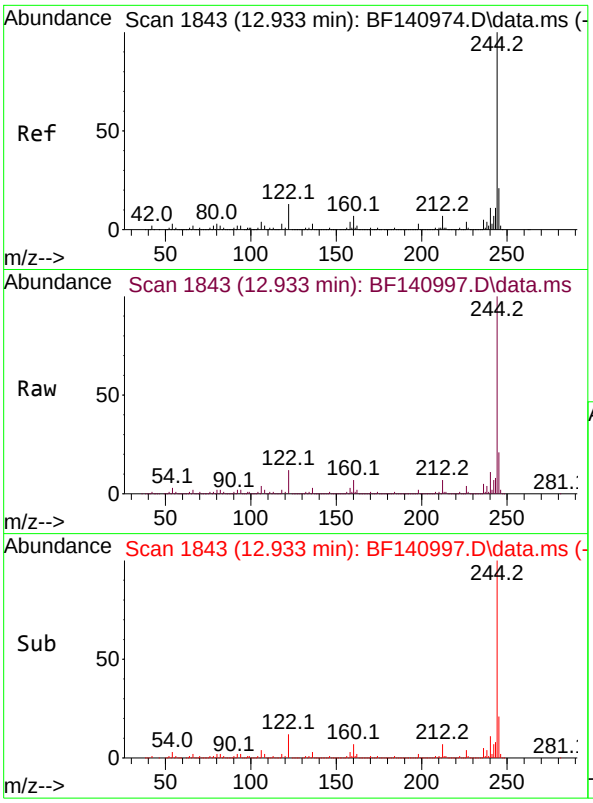


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Tgt Ion:240 Resp: 692228

Ion	Ratio	Lower	Upper
240	100		
120	13.0	10.7	16.1
236	25.7	20.6	31.0



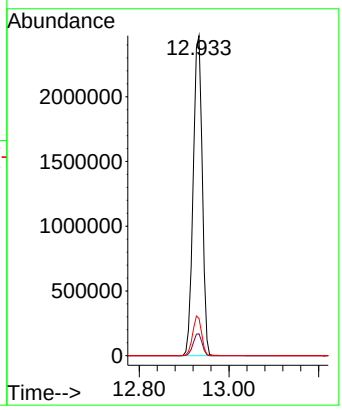


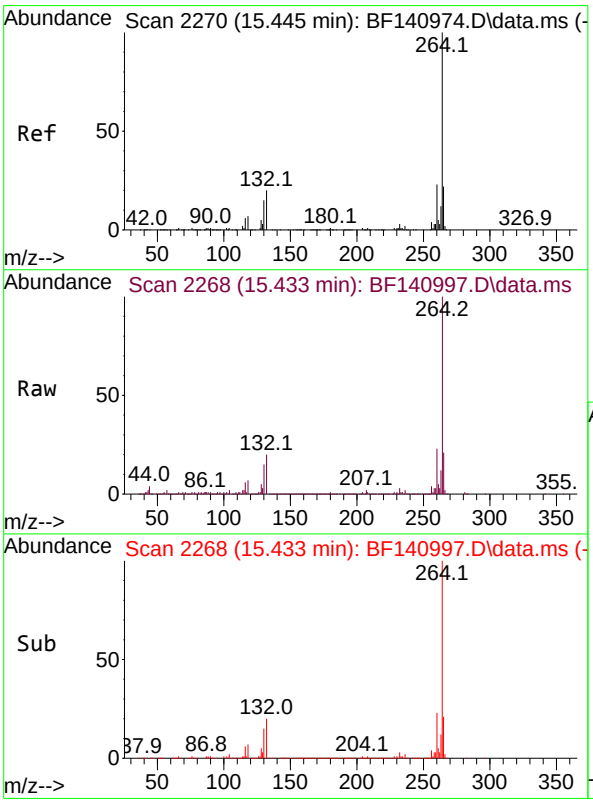
#79
Terphenyl-d14
Concen: 82.803 ng
RT: 12.933 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Instrument :
BNA_F
ClientSampleId :
SB-01

Tgt Ion:244 Resp: 3450870

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	11.7	10.2	15.2

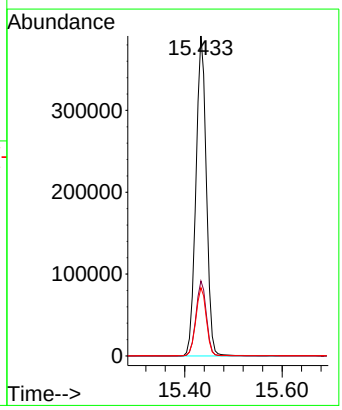




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.012 min
Lab File: BF140997.D
Acq: 27 Dec 2024 15:26

Tgt Ion:264 Resp: 585265

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	21.4	17.4	26.2



Sample Results: **BF140997.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140997.D
Acq On : 27 Dec 2024 15:26
Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

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-BF122624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140997.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.057	499	504	511	rVB	64239	103763	1.11%	0.112%
2	5.440	561	569	574	rBV	5711654	8350835	89.26%	9.000%
3	6.445	732	740	753	rBV	5506639	8573909	91.65%	9.241%
4	6.663	773	777	784	rBV	131088	164660	1.76%	0.177%
5	6.822	797	804	811	rVB	1141313	1489285	15.92%	1.605%
6	6.886	811	815	819	rBV	78391	98918	1.06%	0.107%
7	7.386	890	900	904	rBV	4080861	5596498	59.82%	6.032%
8	7.422	904	906	910	rVB	286929	326042	3.49%	0.351%
9	7.639	936	943	950	rVB2	210093	319565	3.42%	0.344%
10	7.751	950	962	965	rBV6	60943	165447	1.77%	0.178%
11	7.792	965	969	972	rBV2	95360	143066	1.53%	0.154%
12	7.857	977	980	984	rVV	115849	139363	1.49%	0.150%
13	7.904	984	988	991	rBV	108941	128866	1.38%	0.139%
14	8.010	1002	1006	1010	rBV	127579	158201	1.69%	0.171%
15	8.104	1011	1022	1027	rBV2	1895287	3453985	36.92%	3.723%
16	8.169	1029	1033	1036	rVB	299589	369248	3.95%	0.398%
17	8.204	1036	1039	1047	rBV7	85705	203828	2.18%	0.220%
18	8.316	1054	1058	1060	rBV3	92505	144686	1.55%	0.156%
19	8.404	1066	1073	1078	rBV5	436480	984460	10.52%	1.061%
20	8.451	1078	1081	1084	rVV2	241205	265690	2.84%	0.286%
21	8.486	1084	1087	1090	rVB	361906	409930	4.38%	0.442%
22	8.528	1090	1094	1104	rVB	792883	1261553	13.49%	1.360%
23	8.610	1104	1108	1111	rBV4	148301	210020	2.24%	0.226%
24	8.651	1111	1115	1118	rBV3	225165	362735	3.88%	0.391%
25	8.698	1118	1123	1127	rBV	2727136	3373198	36.06%	3.636%
26	8.792	1136	1139	1143	rVB	474025	623169	6.66%	0.672%
27	8.880	1151	1154	1157	rBV2	207959	266795	2.85%	0.288%
28	8.986	1168	1172	1174	rBV	617670	955335	10.21%	1.030%
29	9.063	1182	1185	1189	rBV	640155	729824	7.80%	0.787%
30	9.104	1189	1192	1193	rBV	507869	526196	5.62%	0.567%
31	9.128	1193	1196	1200	rVB	1412923	1720628	18.39%	1.854%
32	9.180	1200	1205	1209	rVB	6691995	8676042	92.74%	9.351%
33	9.222	1209	1212	1215	rBV	119913	115527	1.23%	0.125%
34	9.263	1215	1219	1224	rBV	4169927	5680798	60.72%	6.123%
35	9.522	1260	1263	1265	rBV2	157482	247694	2.65%	0.267%
36	9.580	1268	1273	1281	rVV3	1193469	2274239	24.31%	2.451%

Sample Results: **BF140997.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140997.D
Acq On : 27 Dec 2024 15:26
Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

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-BF122624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	9.639	1281	1283	1287	rVB	195676	209808	2.24%	0.226%
38	9.733	1295	1299	1301	rBV2	98489	156618	1.67%	0.169%
39	9.792	1302	1309	1313	rVV	1764362	2407205	25.73%	2.594%
40	9.857	1313	1320	1325	rVB	1863318	2540481	27.16%	2.738%
41	10.022	1345	1348	1351	rBV2	74311	114594	1.22%	0.124%
42	10.051	1351	1353	1356	rVV	93706	106976	1.14%	0.115%
43	10.116	1360	1364	1368	rVB4	125415	163030	1.74%	0.176%
44	10.292	1387	1394	1401	rVB2	365877	516006	5.52%	0.556%
45	10.510	1427	1431	1436	rBV	72748	104635	1.12%	0.113%
46	10.569	1436	1441	1448	rVB	784877	1017415	10.88%	1.097%
47	10.645	1448	1454	1459	rBV	4706233	6304503	67.39%	6.795%
48	10.769	1470	1475	1483	rVB2	115015	209999	2.24%	0.226%
49	11.339	1567	1572	1579	rBV	1905581	2368722	25.32%	2.553%
50	11.410	1579	1584	1588	rVB2	143141	183972	1.97%	0.198%
51	11.874	1657	1663	1684	rBV	1455890	2264922	24.21%	2.441%
52	12.580	1774	1783	1791	rBV2	214603	505499	5.40%	0.545%
53	12.657	1791	1796	1808	rVV	603862	934578	9.99%	1.007%
54	12.933	1836	1843	1848	rBV	6650693	9355118	100.00%	10.083%
55	13.063	1861	1865	1870	rBV	142857	182681	1.95%	0.197%
56	13.827	1991	1995	2006	rVB	401974	703993	7.53%	0.759%
57	13.974	2015	2020	2027	rVB	1521866	1964176	21.00%	2.117%
58	14.157	2048	2051	2061	rVB	95885	168548	1.80%	0.182%
59	14.462	2100	2103	2113	rVB2	81690	139926	1.50%	0.151%
60	15.433	2262	2268	2274	rBV	1055321	1546434	16.53%	1.667%

Sum of corrected areas: 92783837

Sample Results: **BF140997.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140997.D
Acq On : 27 Dec 2024 15:26
Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

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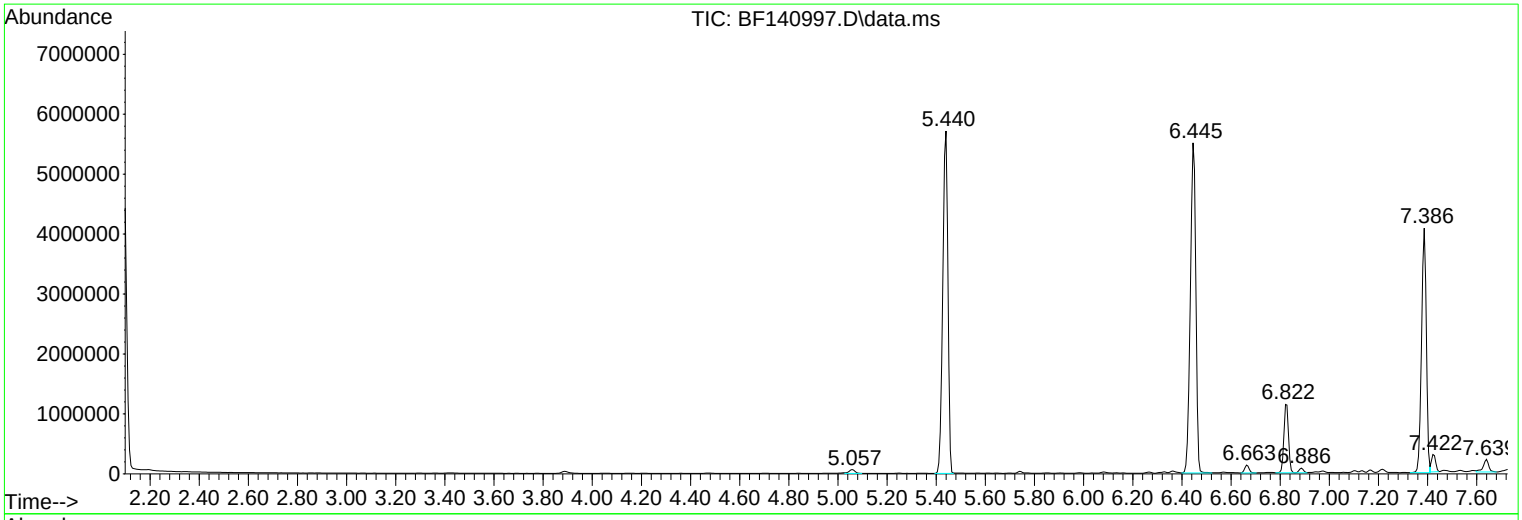
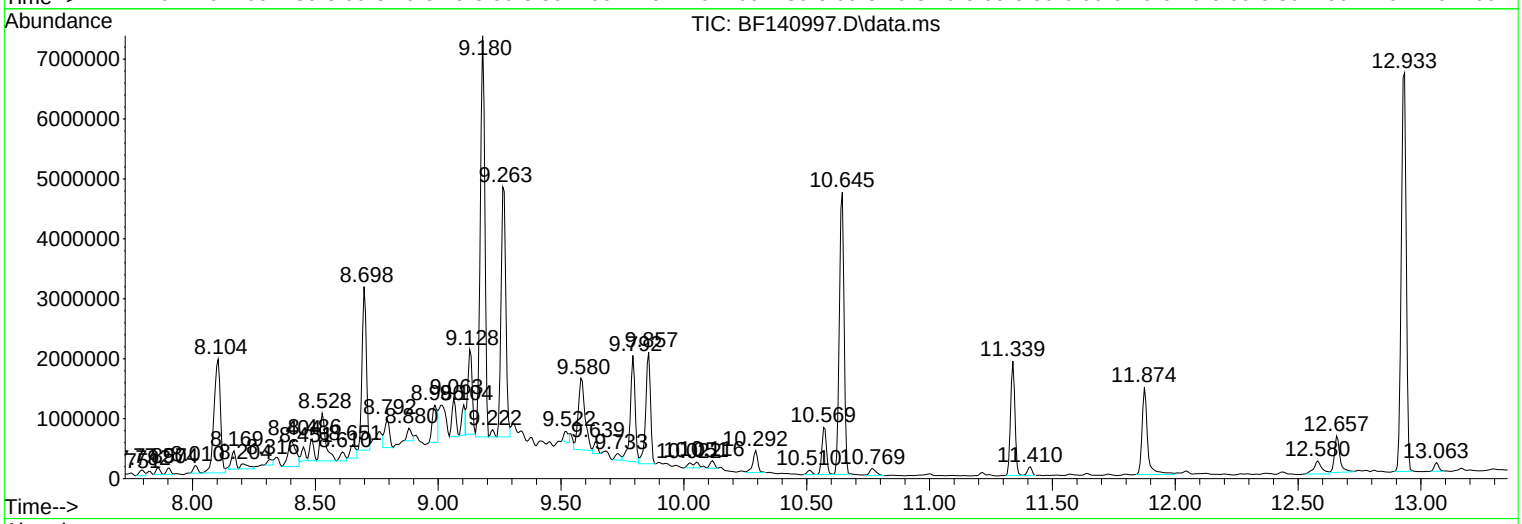
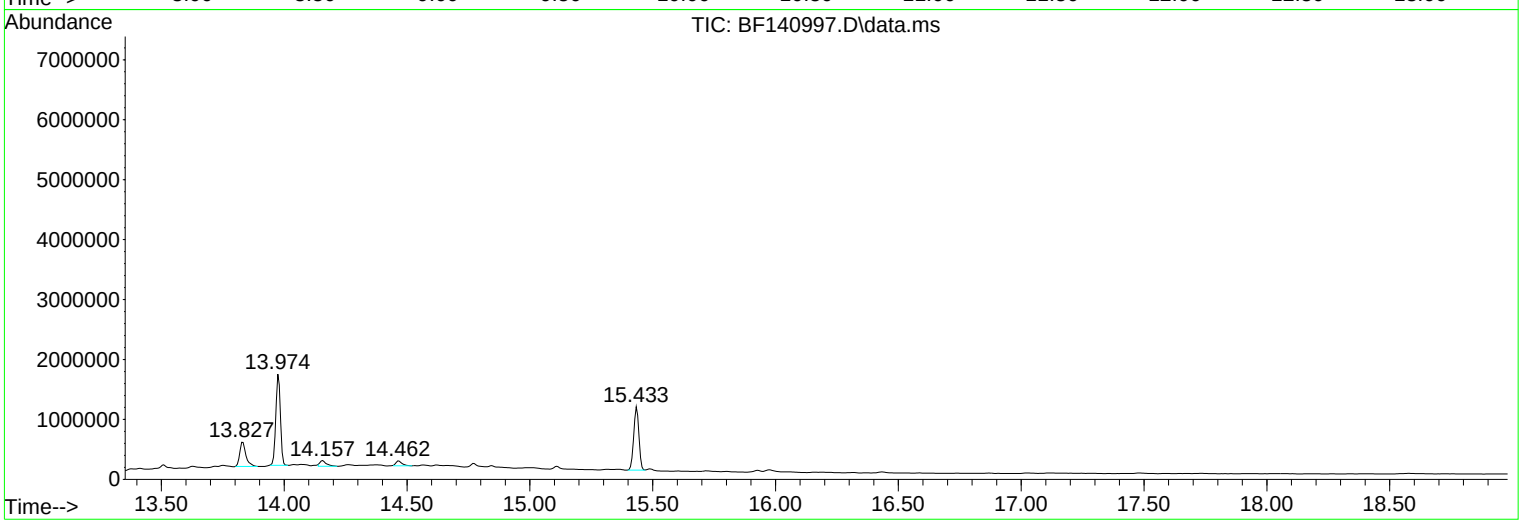
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







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ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

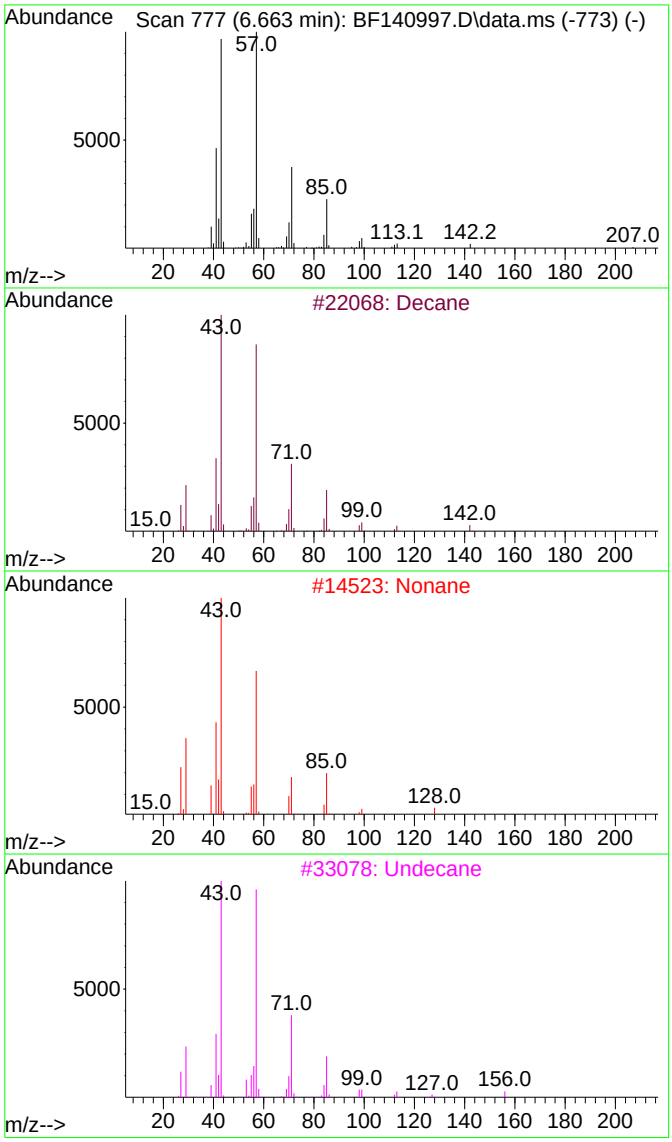
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

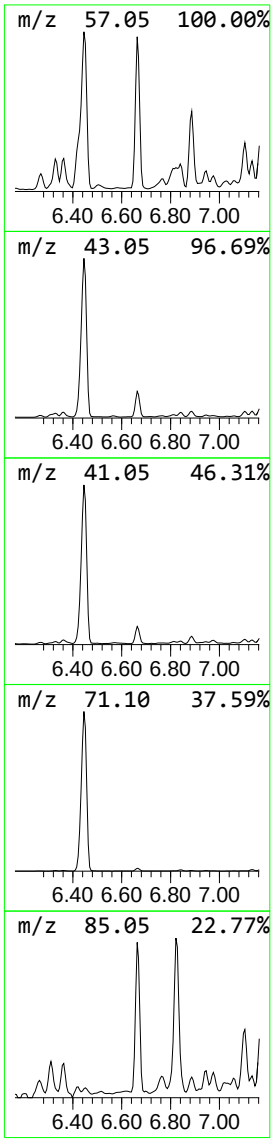
****

Peak Number 1 Decane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.663	2.21 ng	164660	1,4-Dichlorobenzene-d4	6.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	90
2	Nonane	128	C9H20	000111-84-2	90
3	Undecane	156	C11H24	001120-21-4	90
4	Dodecane	170	C12H26	000112-40-3	90
5	Hexadecane	226	C16H34	000544-76-3	83





Sample Results: **BF140997.D**

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Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

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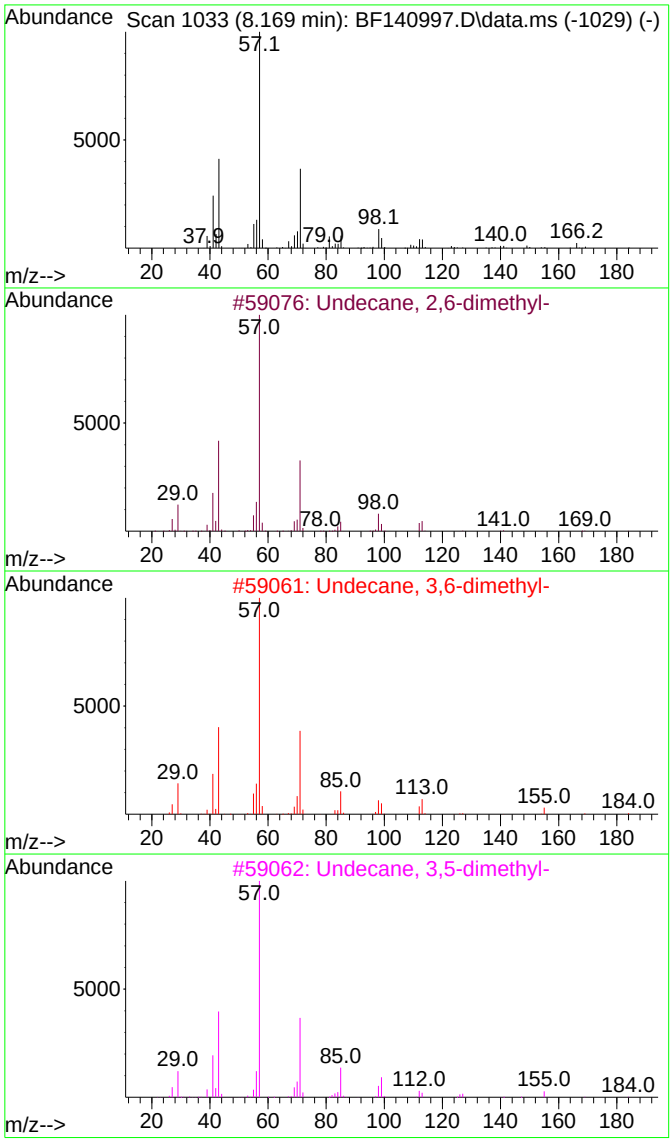
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

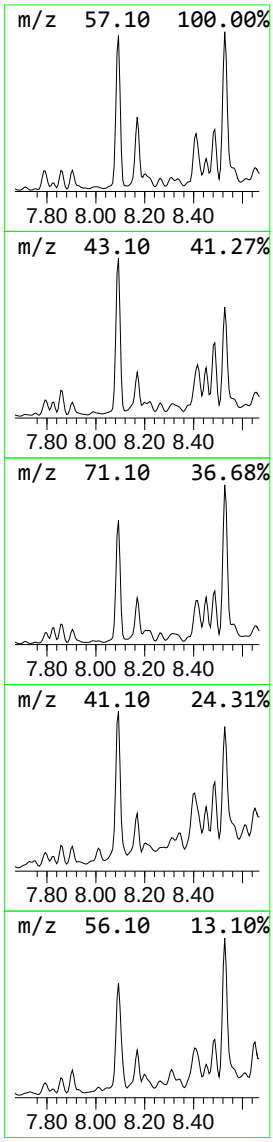
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Undecane, 2,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.169	2.14 ng	369248	Naphthalene-d8	8.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	97
2	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	80
3	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	72
4	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	72
5	Dodecane, 6-methyl-	184	C13H28	006044-71-9	72





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Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

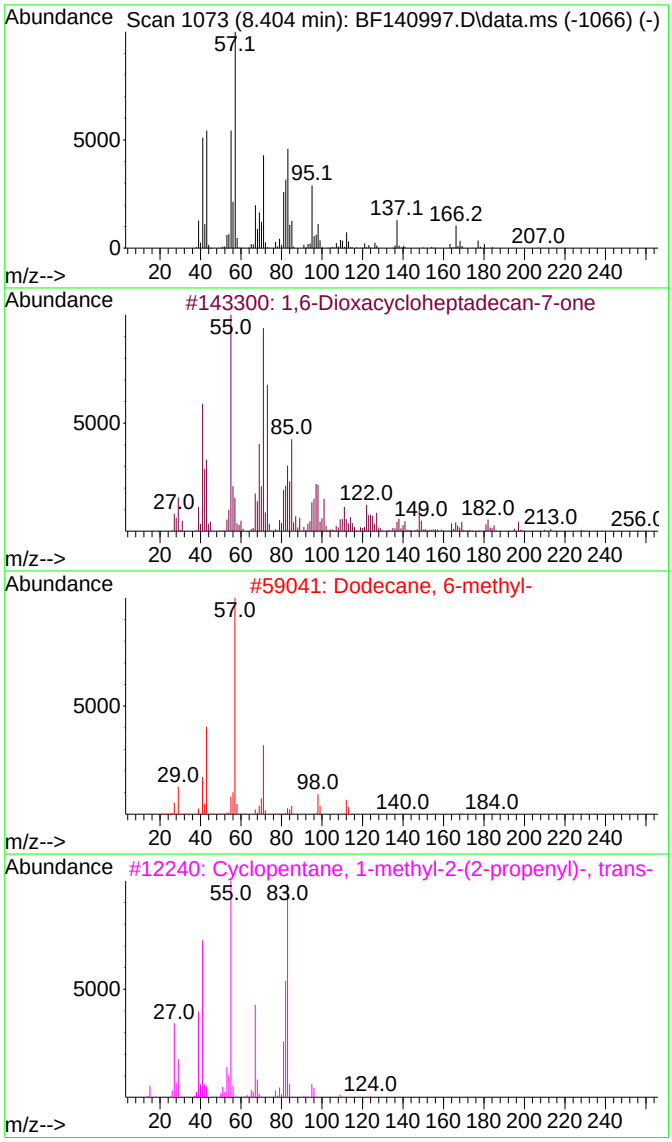
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

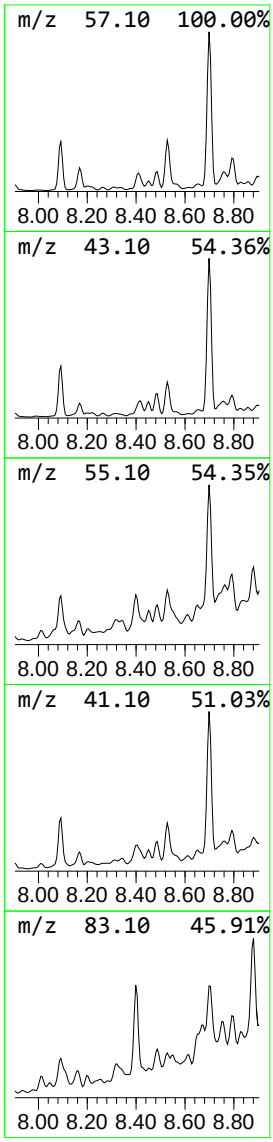
****

Peak Number 3 unknown8.404 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.404	5.70 ng	984460	Naphthalene-d8	8.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,6-Dioxacycloheptadecan-7-one	256	C15H28O3	006707-60-4	35
2	Dodecane, 6-methyl-	184	C13H28	006044-71-9	35
3	Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	27
4	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	27
5	Cyclohexane, methyl-	98	C7H14	000108-87-2	25





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Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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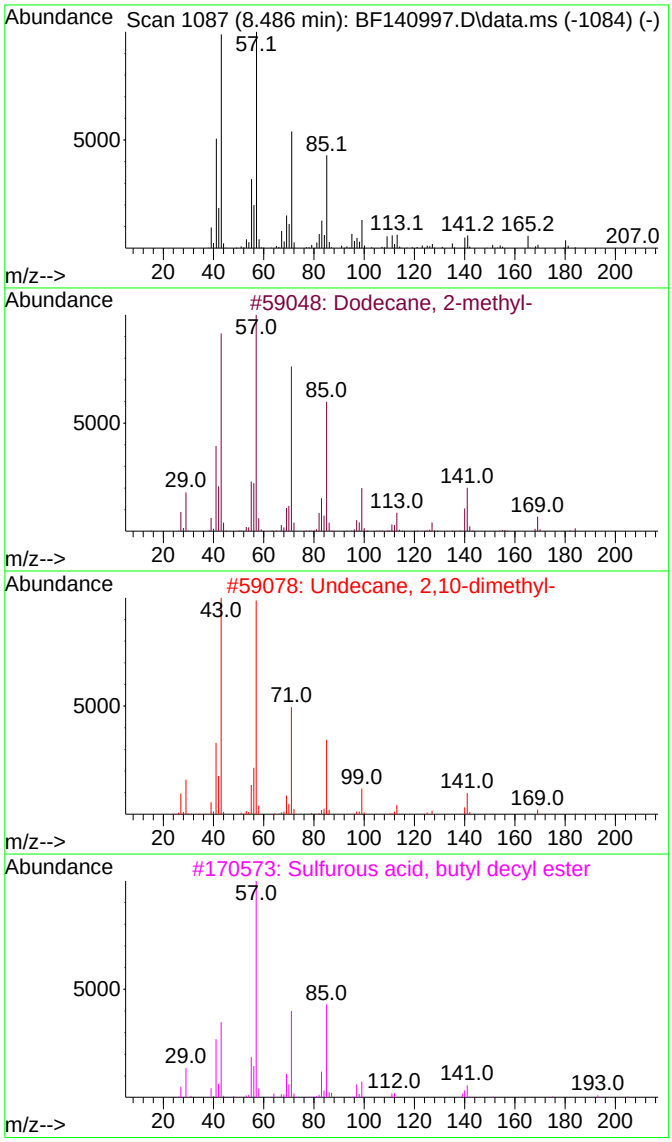
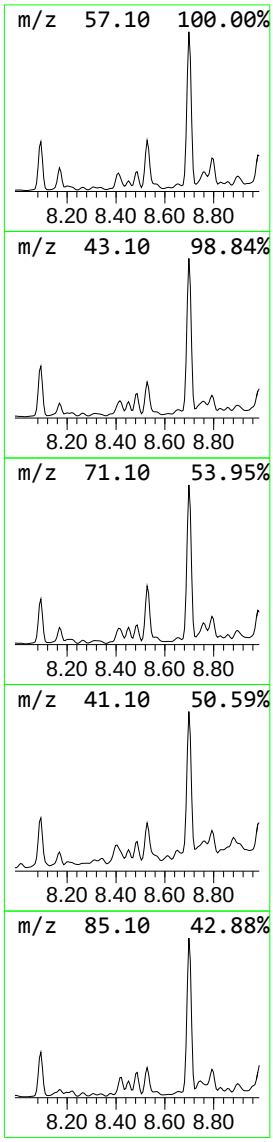
Peak Number 4 Dodecane, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.486	2.37 ng	409930	Naphthalene-d8	8.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-	184	C13H28	001560-97-0	95
2	Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	93
3	Sulfurous acid, butyl decyl ester	278	C14H30O3S	1000309-17-7	86
4	Heptadecane	240	C17H36	000629-78-7	86
5	Nonadecane	268	C19H40	000629-92-5	80





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Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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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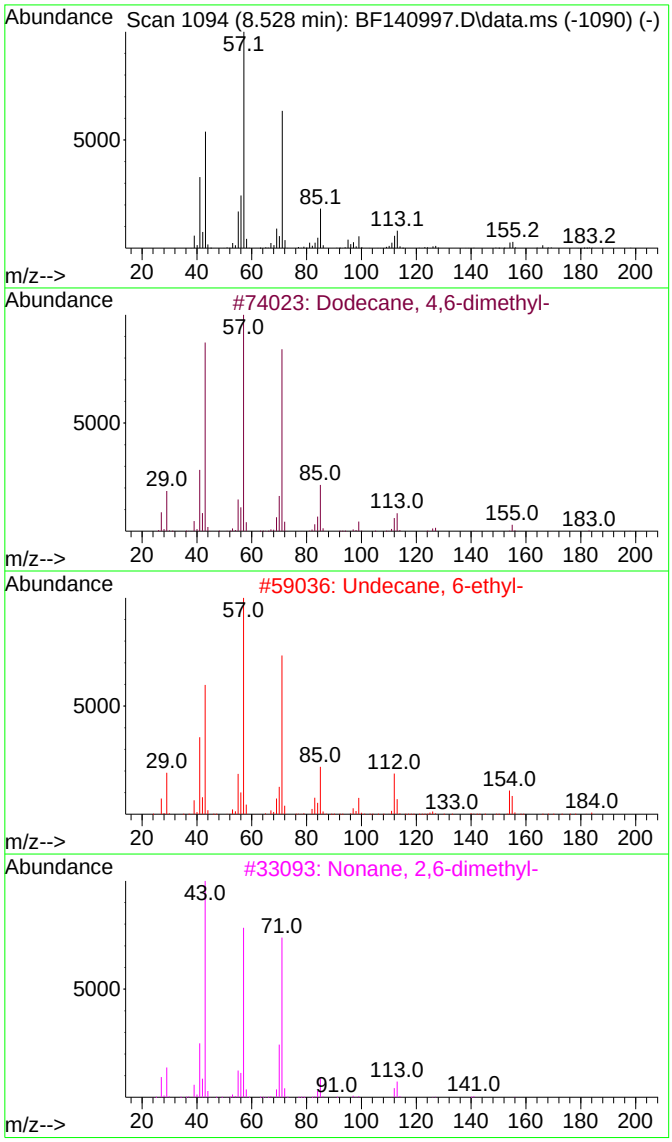
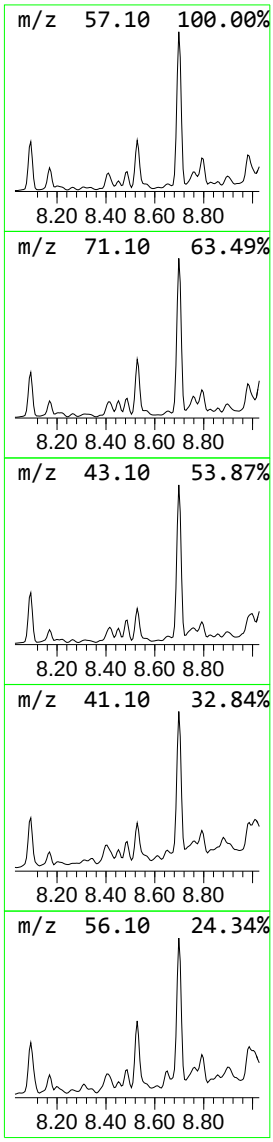
Peak Number 5 Dodecane, 4,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.528	7.30 ng	1261550	Naphthalene-d8	8.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	89
2	Undecane, 6-ethyl-	184	C13H28	017312-60-6	72
3	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	72
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64
5	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	64





Sample Results: **BF140997.D**

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BNA_F
ClientSampleId :
SB-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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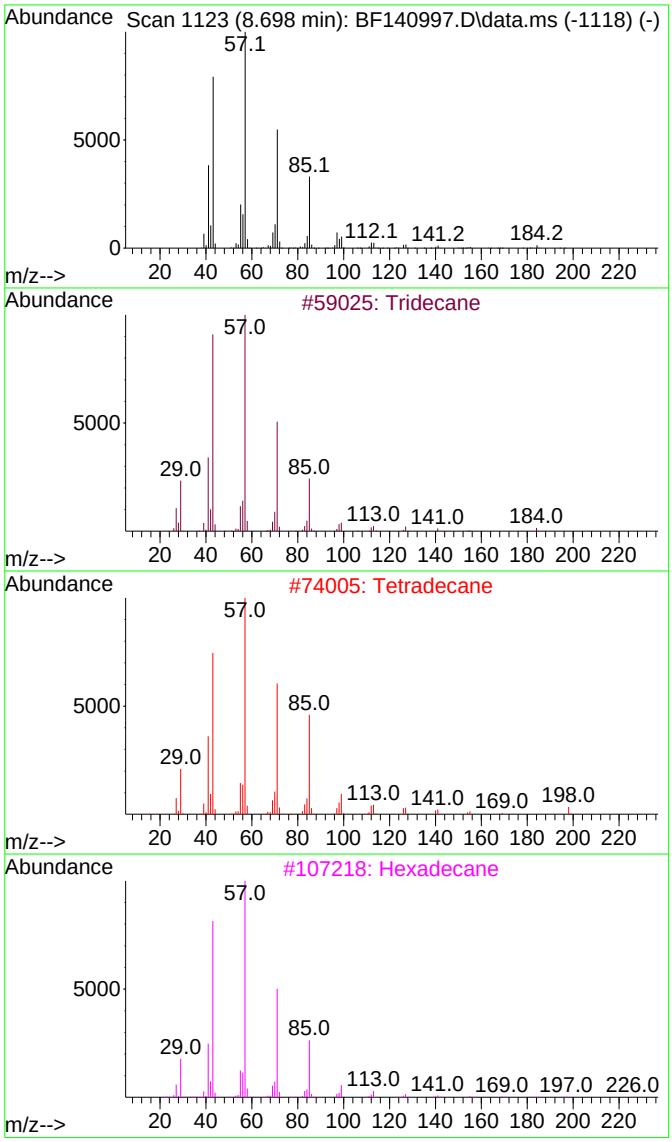
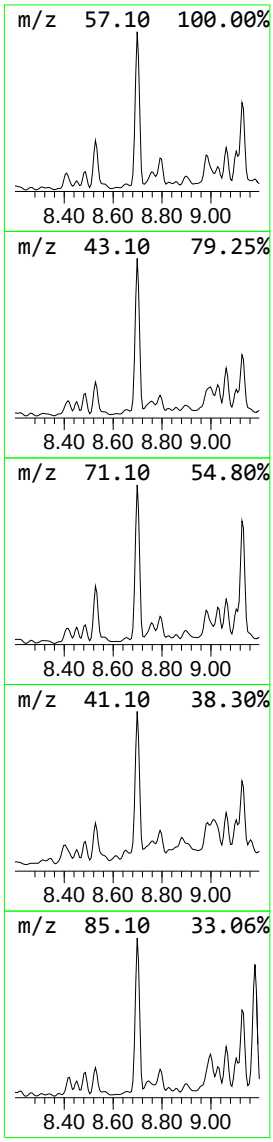
Peak Number 6 Tridecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.698	19.53 ng	3373200	Naphthalene-d8	8.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	93
2	Tetradecane	198	C14H30	000629-59-4	86
3	Hexadecane	226	C16H34	000544-76-3	86
4	Pentadecane	212	C15H32	000629-62-9	86
5	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	86





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Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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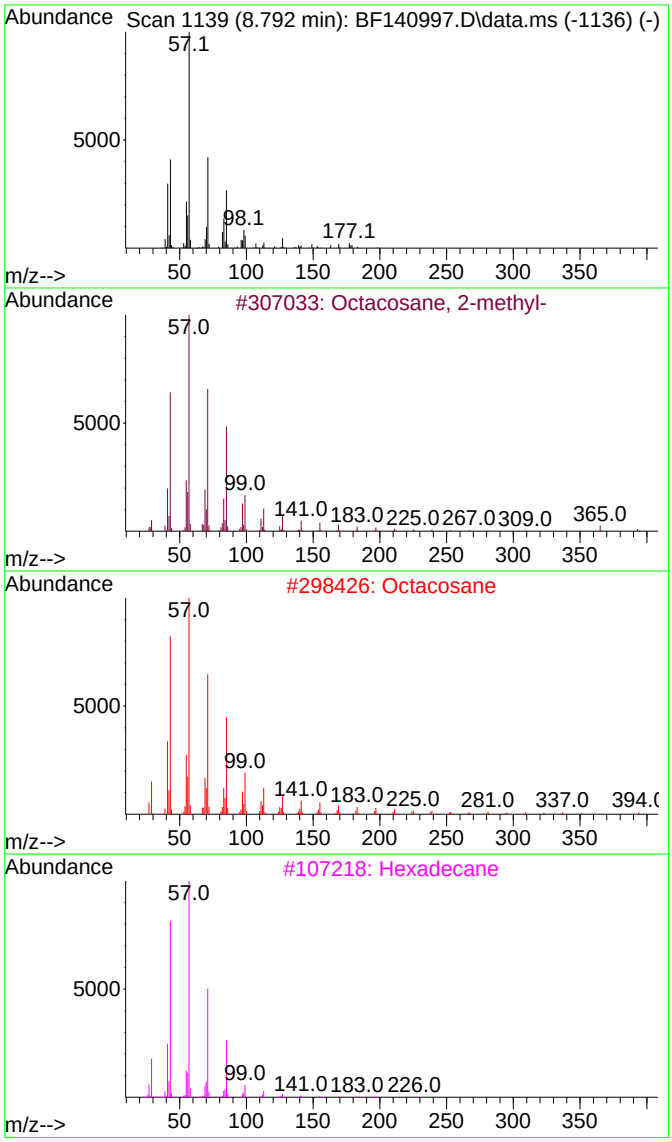
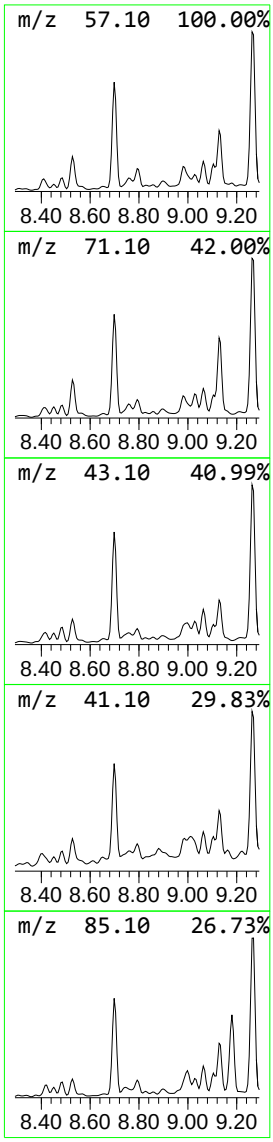
Peak Number 7 Octacosane, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.792	3.61 ng	623169	Naphthalene-d8	8.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane, 2-methyl-	408	C29H60	001560-98-1	72
2	Octacosane	394	C28H58	000630-02-4	72
3	Hexadecane	226	C16H34	000544-76-3	64
4	Sulfurous acid, butyl tetradecyl...	334	C18H38O3S	1010309-18-1	64
5	Sulfurous acid, butyl dodecyl ester	306	C16H34O3S	1000309-17-9	59





Sample Results: **BF140997.D**

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Instrument :
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ClientSampleId :
SB-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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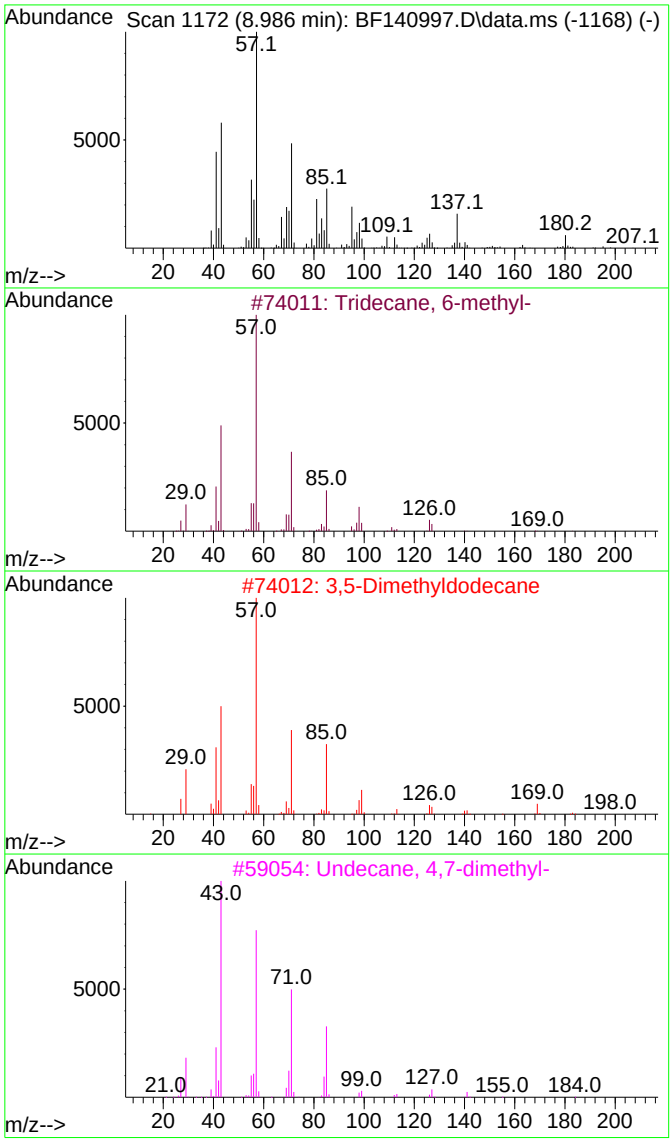
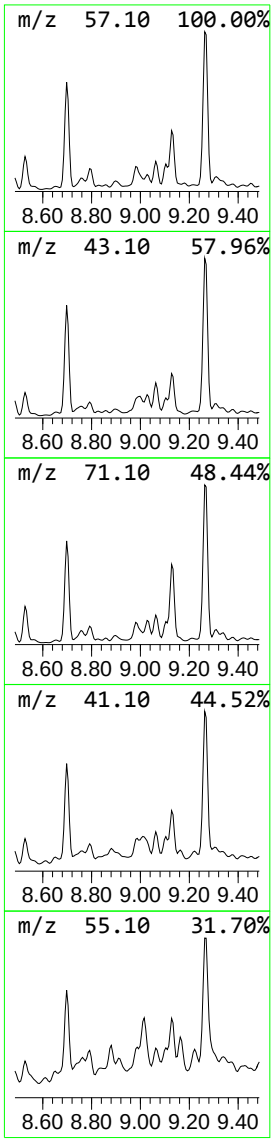
Peak Number 8 Tridecane, 6-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.986	7.52 ng	955335	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-methyl-	198	C14H30	013287-21-3	53
2	3,5-Dimethyldodecane	198	C14H30	107770-99-0	52
3	Undecane, 4,7-dimethyl-	184	C13H28	017301-32-5	47
4	Tridecane	184	C13H28	000629-50-5	47
5	Carbonic acid, dodecyl 2-ethylhe...	342	C21H42O3	1000383-13-9	43





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ALS Vial : 5 Sample Multiplier: 1

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BNA_F
ClientSampleId :
SB-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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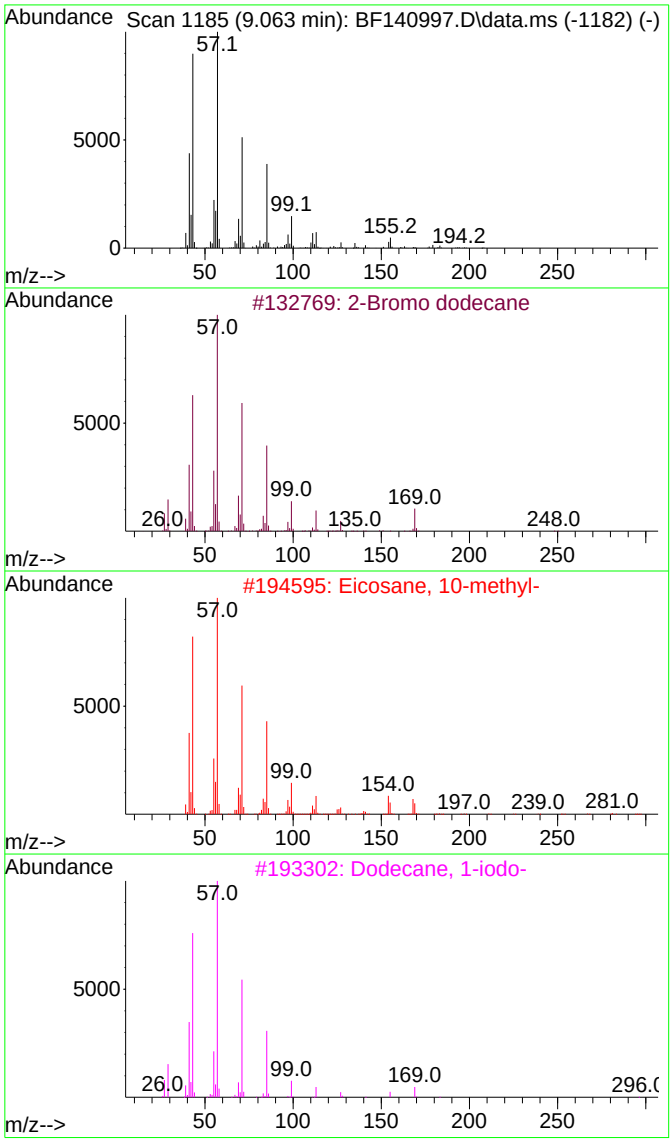
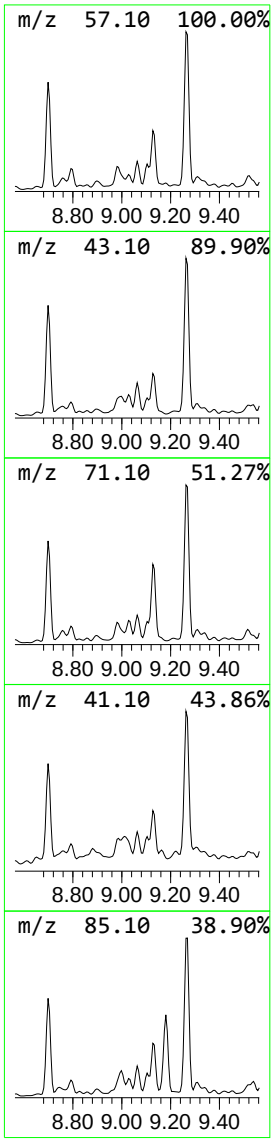
Peak Number 9 2-Bromo dodecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.063	5.75 ng	729824	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane	248	C12H25Br	013187-99-0	90
2	Eicosane, 10-methyl-	296	C21H44	054833-23-7	90
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
4	Heptacosane	380	C27H56	000593-49-7	86
5	Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	81





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ALS Vial : 5 Sample Multiplier: 1

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ClientSampleId :
SB-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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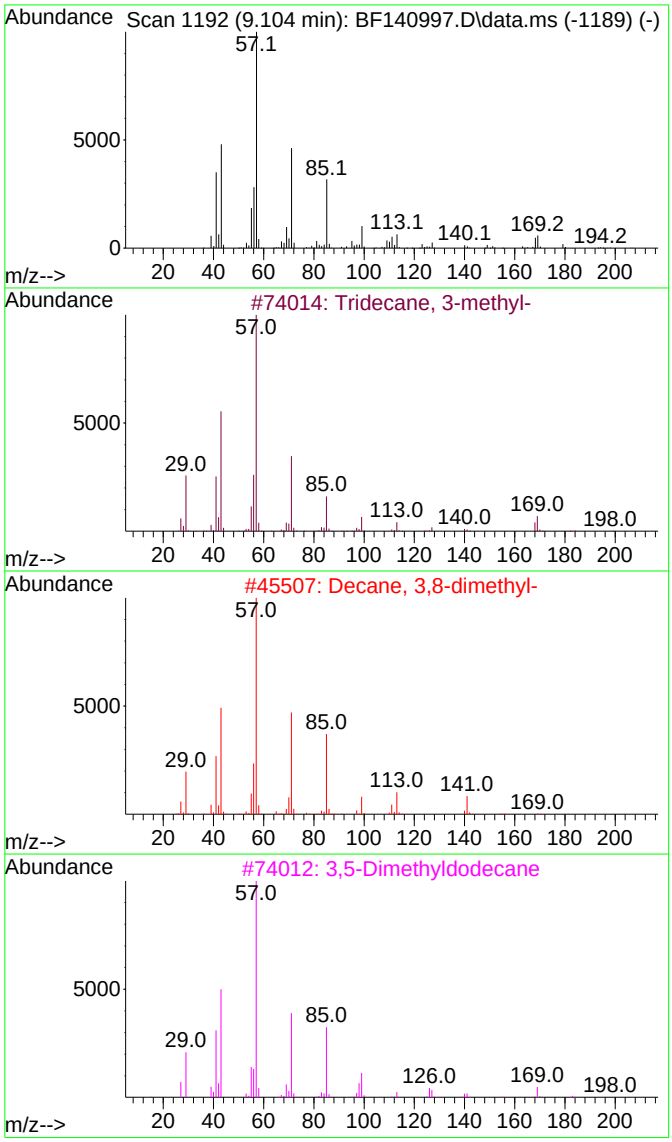
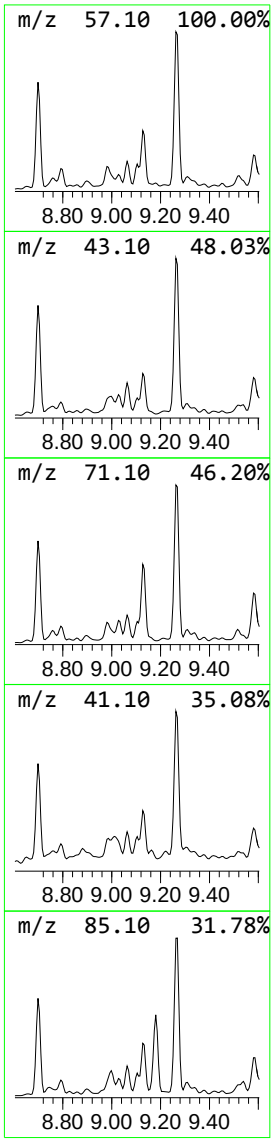
Peak Number 10 Tridecane, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.104	4.14 ng	526196	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 3-methyl-	198	C14H30	006418-41-3	92
2	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	72
3	3,5-Dimethyldodecane	198	C14H30	107770-99-0	64
4	Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	64
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	59





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ALS Vial : 5 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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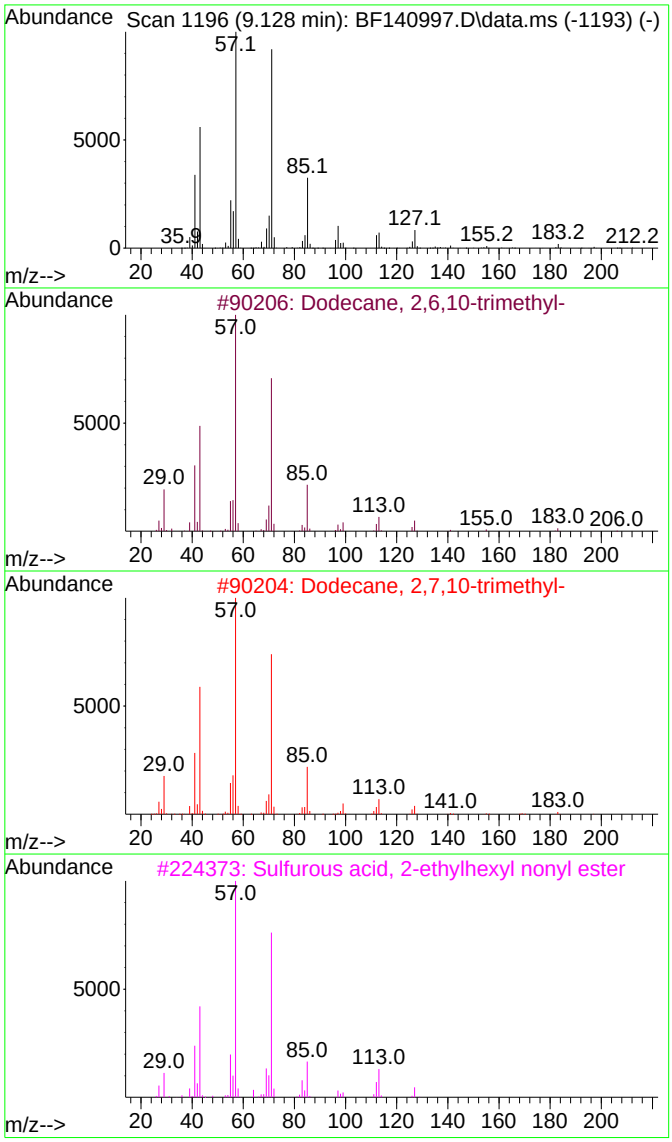
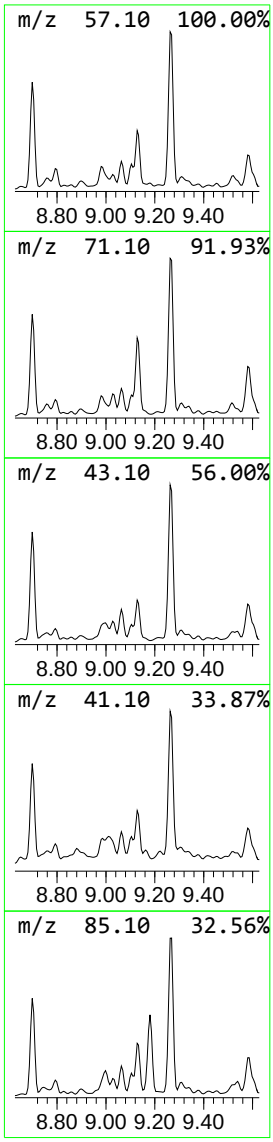
Peak Number 11 Dodecane, 2,6,10-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.128	13.55 ng	1720630	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	86
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
3	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	64
4	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	59
5	Nonane, 5-butyl-	184	C13H28	017312-63-9	59





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Data File : BF140997.D
Acq On : 27 Dec 2024 15:26
Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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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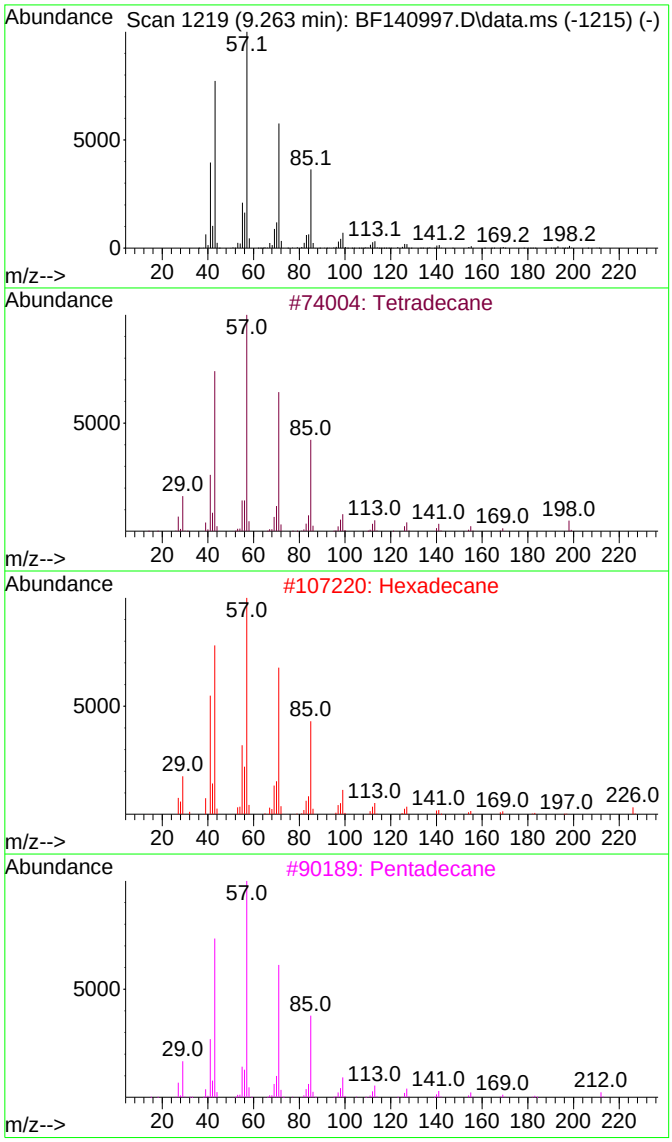
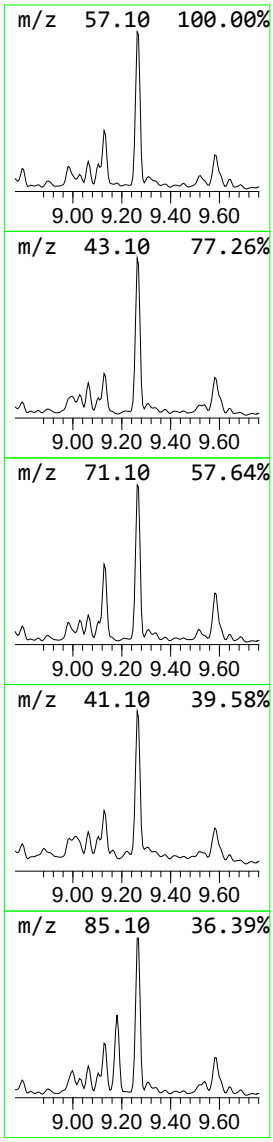
Peak Number 12 Tetradecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.263	44.72 ng	5680800	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	96
2	Hexadecane	226	C16H34	000544-76-3	91
3	Pentadecane	212	C15H32	000629-62-9	86
4	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	80
5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	74





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Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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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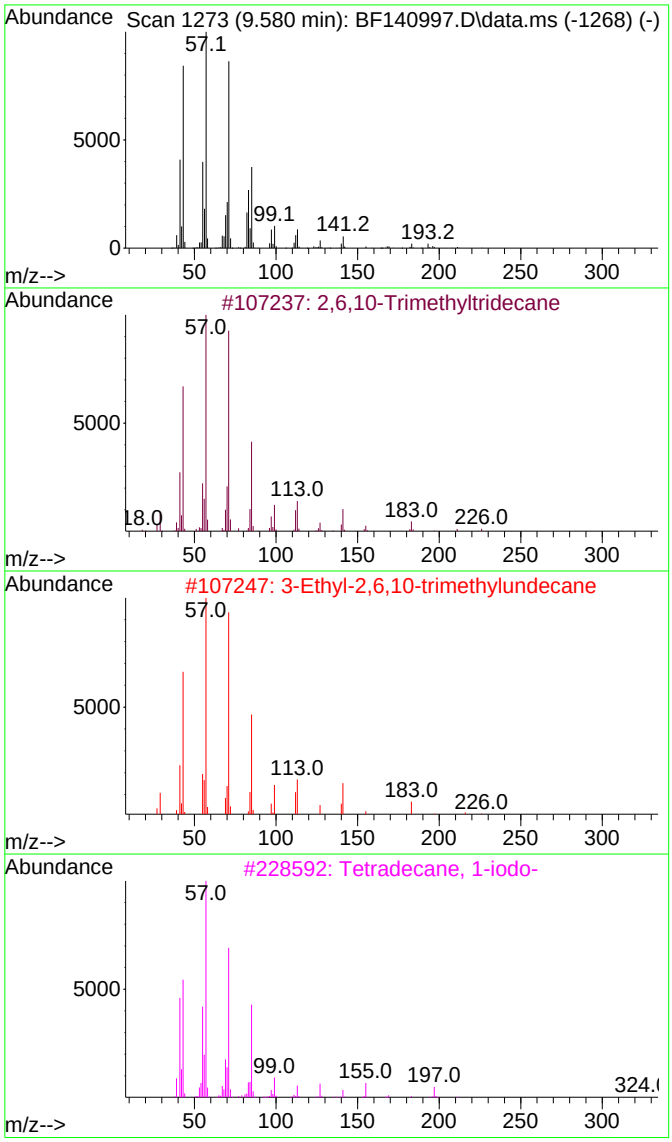
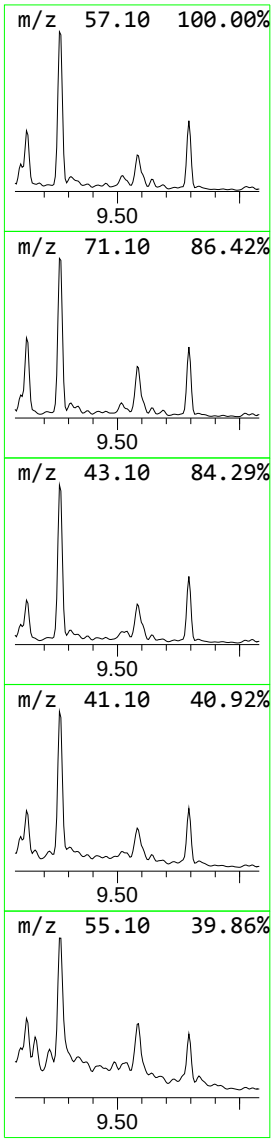
Peak Number 13 2,6,10-Trimethyltridecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.580	17.90 ng	2274240	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6,10-Trimethyltridecane	226	C16H34	003891-99-4	86
2	3-Ethyl-2,6,10-trimethylundecane	226	C16H34	1000432-25-9	80
3	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	80
4	Decane, 2,3,5,8-tetramethyl-	198	C14H30	192823-15-7	80
5	Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
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Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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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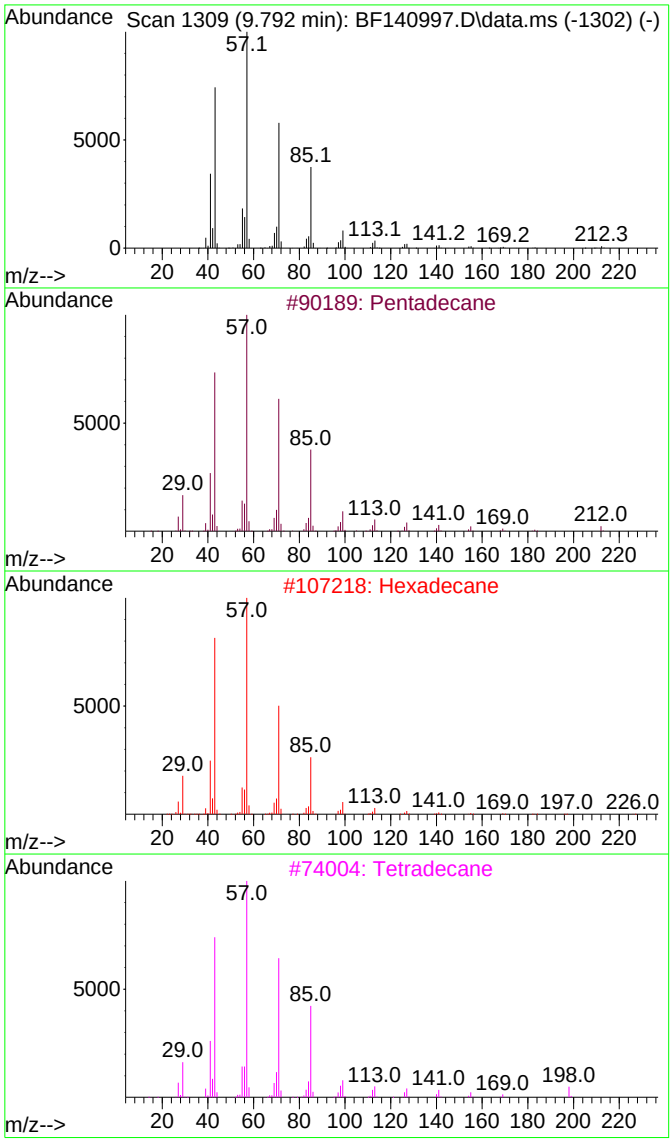
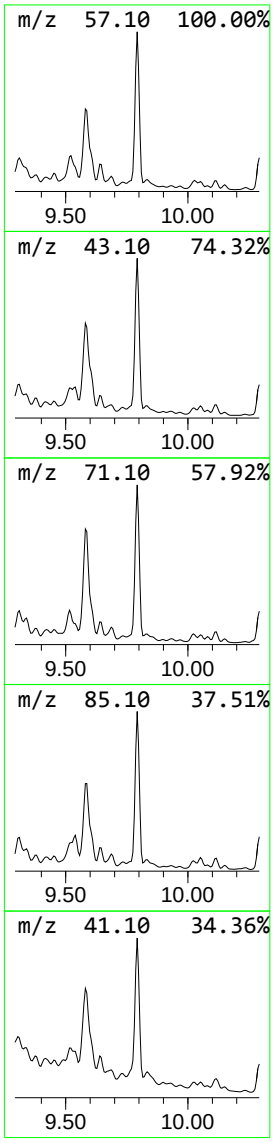
Peak Number 14 Pentadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.792	18.95 ng	2407210	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	95
2	Hexadecane	226	C16H34	000544-76-3	90
3	Tetradecane	198	C14H30	000629-59-4	90
4	Tridecane	184	C13H28	000629-50-5	90
5	Heptadecane	240	C17H36	000629-78-7	72





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Acq On : 27 Dec 2024 15:26
Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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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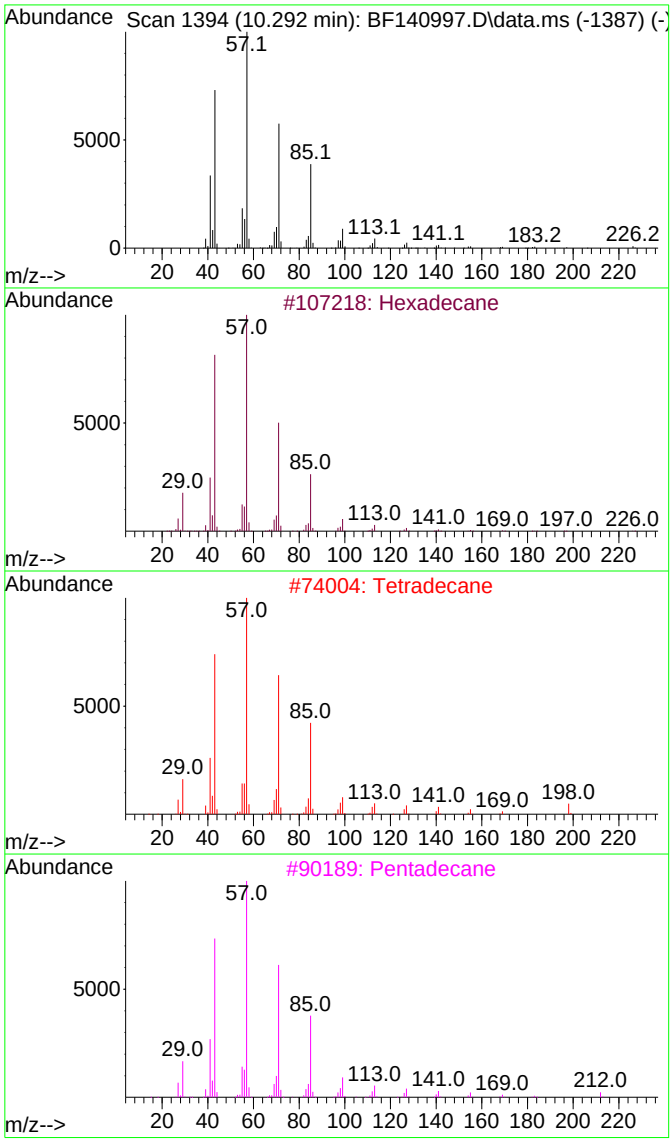
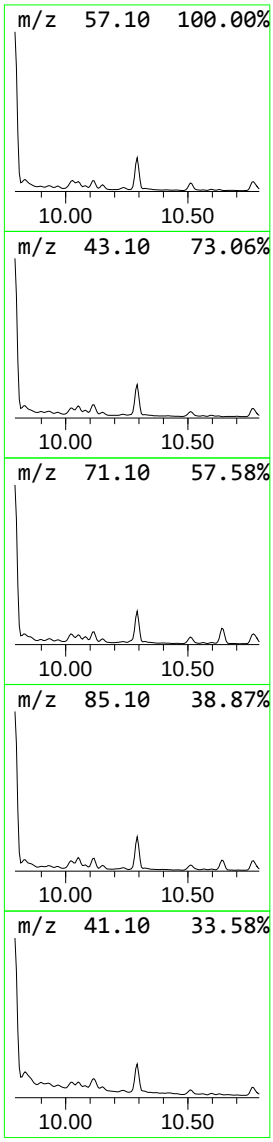
Peak Number 15 Hexadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.292	4.06 ng	516006	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	97
2	Tetradecane	198	C14H30	000629-59-4	90
3	Pentadecane	212	C15H32	000629-62-9	90
4	Nonadecane	268	C19H40	000629-92-5	90
5	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
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Acq On : 27 Dec 2024 15:26
Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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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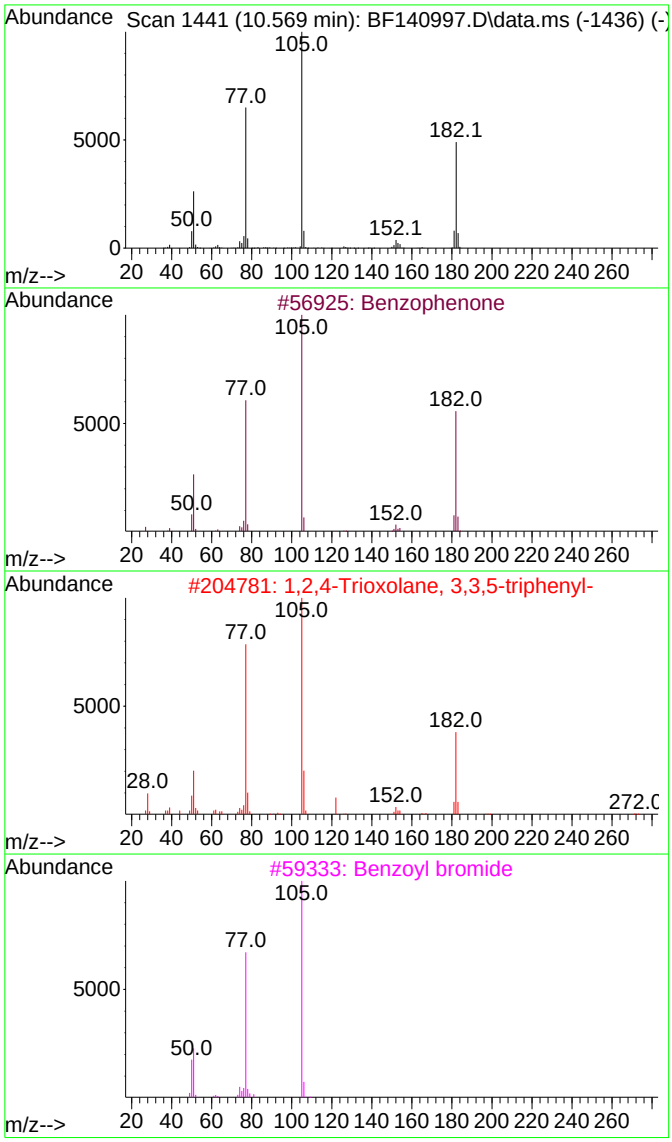
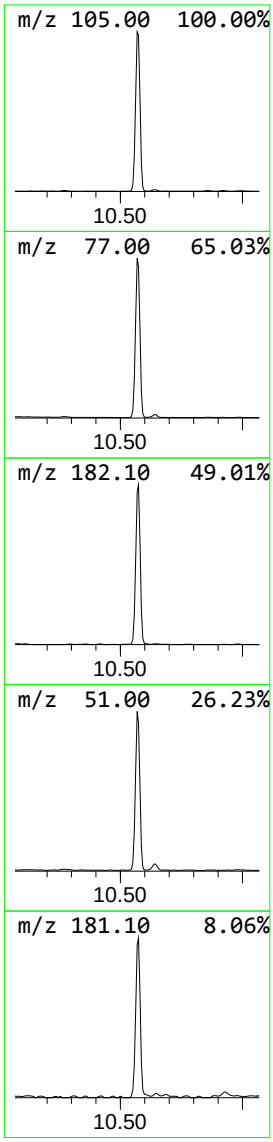
Peak Number 16 Benzophenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.569	8.01 ng	1017420	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	72
3	Benzoyl bromide	184	C7H5BrO	000618-32-6	47
4	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47
5	1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
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Acq On : 27 Dec 2024 15:26
Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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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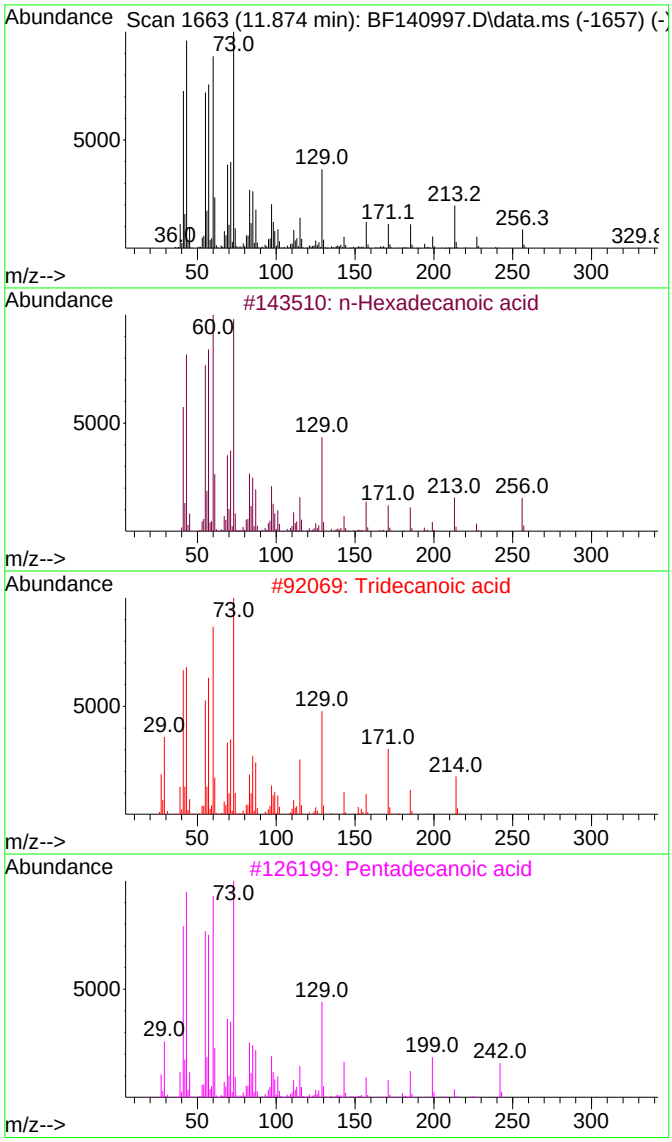
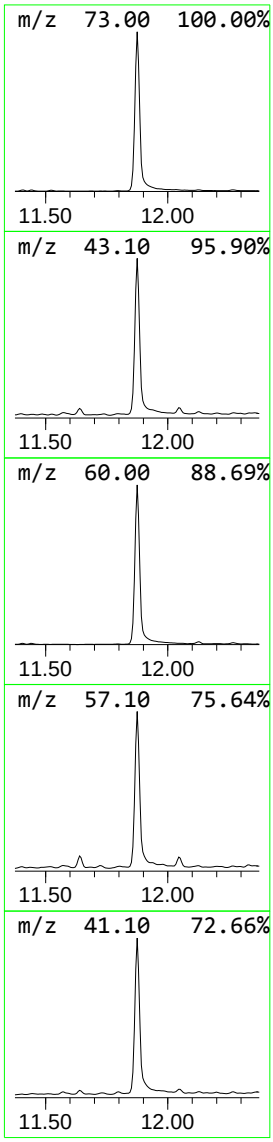
Peak Number 17 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.874	19.12 ng	2264920	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	92
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
5	8-Methylnonanoic acid	172	C10H20O2	005963-14-4	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
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Acq On : 27 Dec 2024 15:26
Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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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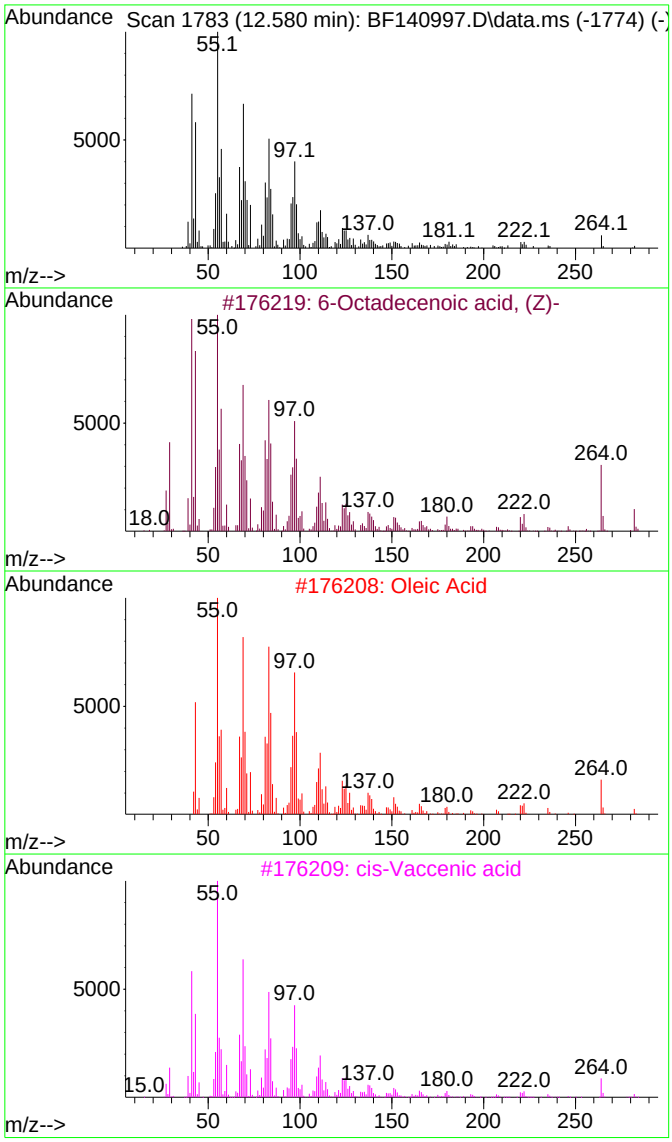
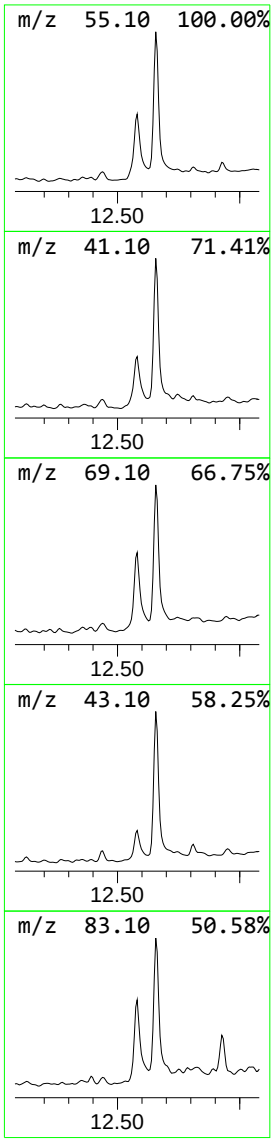
Peak Number 18 6-Octadecenoic acid, (Z)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.580	4.27 ng	505499	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Octadecenoic acid, (Z)-	282	C18H34O2	000593-39-5	99
2	Oleic Acid	282	C18H34O2	000112-80-1	99
3	cis-Vaccenic acid	282	C18H34O2	000506-17-2	99
4	9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	97
5	cis-13-Octadecenoic acid	282	C18H34O2	013126-39-1	96





Sample Results: **BF140997.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140997.D
Acq On : 27 Dec 2024 15:26
Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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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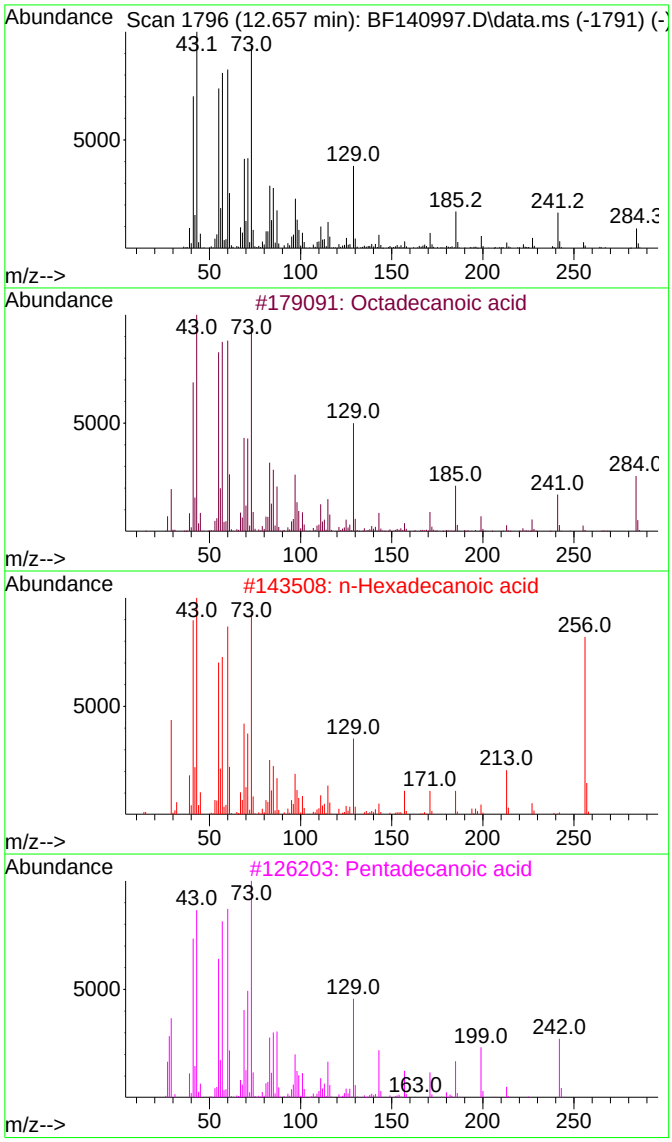
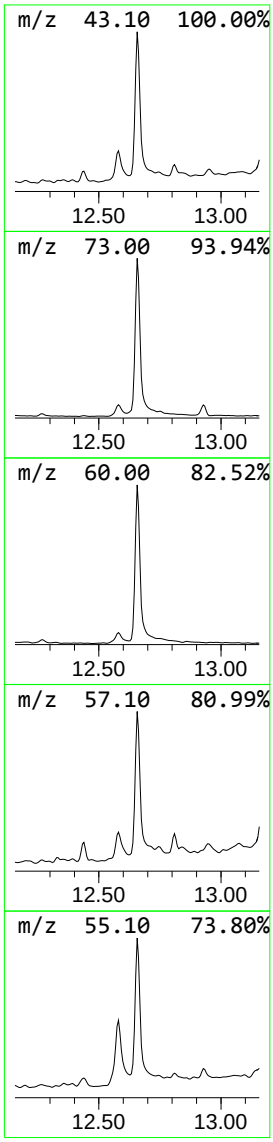
Peak Number 19 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.657	7.89 ng	934578	Phenanthrene-d10	11.339

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	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	80
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	74





Sample Results: **BF140997.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140997.D
Acq On : 27 Dec 2024 15:26
Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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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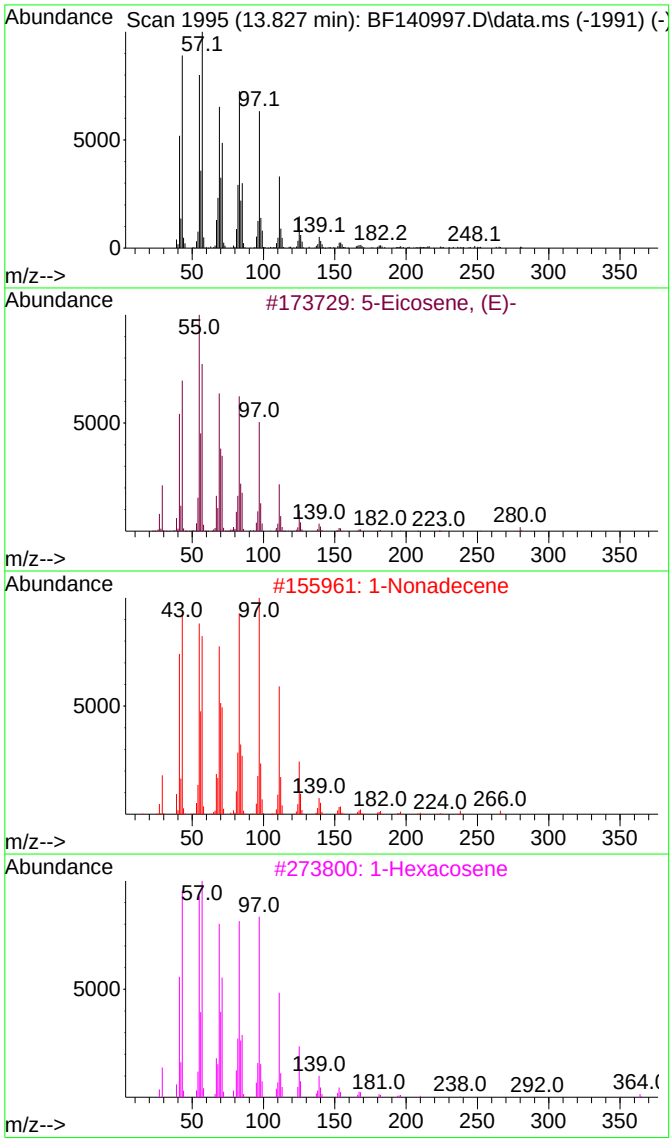
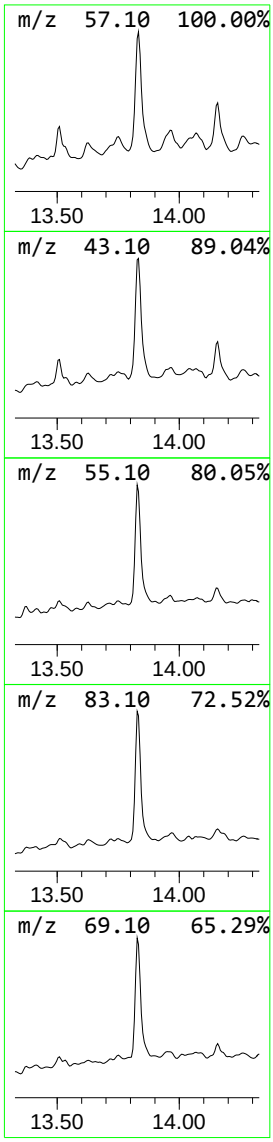
Peak Number 20 5-Eicosene, (E)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.827	7.17 ng	703993	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	97
2	1-Nonadecene	266	C19H38	018435-45-5	96
3	1-Hexacosene	364	C26H52	018835-33-1	94
4	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	94
5	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94





Sample Results: **BF140997.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140997.D
Acq On : 27 Dec 2024 15:26
Operator : RC/JU
Sample : P5299-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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
Decane	6.663	2.2	ng	164660	1	6.828	1489290	20.0
Undecane, 2,6-d...	8.169	2.1	ng	369248	2	8.104	3453990	20.0
unknown8.404	8.404	5.7	ng	984460	2	8.104	3453990	20.0
Dodecane, 2-met...	8.486	2.4	ng	409930	2	8.104	3453990	20.0
Dodecane, 4,6-d...	8.528	7.3	ng	1261550	2	8.104	3453990	20.0
Tridecane	8.698	19.5	ng	3373200	2	8.104	3453990	20.0
Octacosane, 2-m...	8.792	3.6	ng	623169	2	8.104	3453990	20.0
Tridecane, 6-me...	8.986	7.5	ng	955335	3	9.857	2540480	20.0
2-Bromo dodecane	9.063	5.8	ng	729824	3	9.857	2540480	20.0
Tridecane, 3-me...	9.104	4.1	ng	526196	3	9.857	2540480	20.0
Dodecane, 2,6,1...	9.128	13.6	ng	1720630	3	9.857	2540480	20.0
Tetradecane	9.263	44.7	ng	5680800	3	9.857	2540480	20.0
2,6,10-Trimethy...	9.580	17.9	ng	2274240	3	9.857	2540480	20.0
Pentadecane	9.792	18.9	ng	2407210	3	9.857	2540480	20.0
Hexadecane	10.292	4.1	ng	516006	3	9.857	2540480	20.0
Benzophenone	10.569	8.0	ng	1017420	3	9.857	2540480	20.0
n-Hexadecanoic ...	11.874	19.1	ng	2264920	4	11.339	2368720	20.0
6-Octadecenoic ...	12.580	4.3	ng	505499	4	11.339	2368720	20.0
Octadecanoic acid	12.657	7.9	ng	934578	4	11.339	2368720	20.0
5-Eicosene, (E)-	13.827	7.2	ng	703993	5	13.974	1964180	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Time: Dec 27 15:25:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

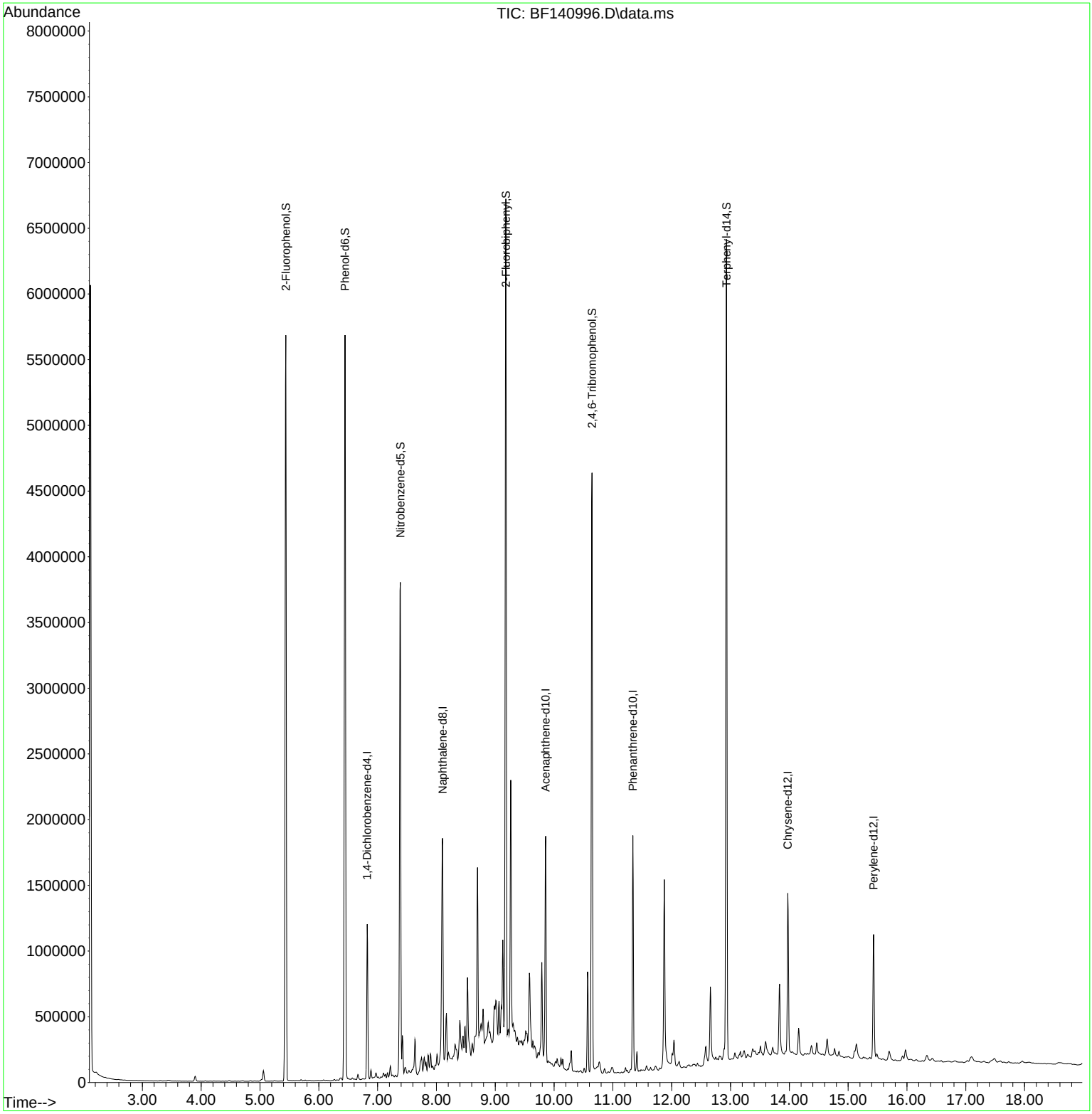
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	239225	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	933657	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	501639	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	863212	20.000	ng	0.00
76) Chrysene-d12	13.974	240	557903	20.000	ng	-0.01
86) Perylene-d12	15.433	264	525276	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	2344195	147.710	ng	0.00
7) Phenol-d6	6.446	99	3021499	147.792	ng	0.00
23) Nitrobenzene-d5	7.387	82	1830138	125.408	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	849294	174.234	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	2894268	91.924	ng	0.00
79) Terphenyl-d14	12.933	244	3171421	94.420	ng	0.00
Target Compounds						Qvalue

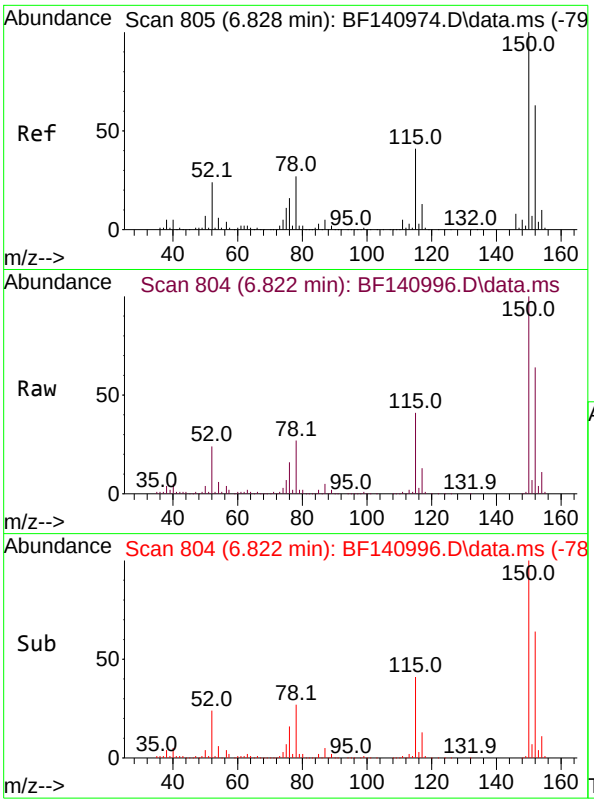
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Time: Dec 27 15:25:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration



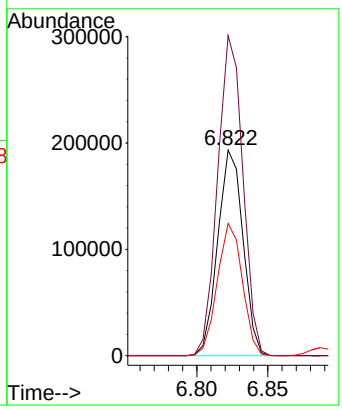


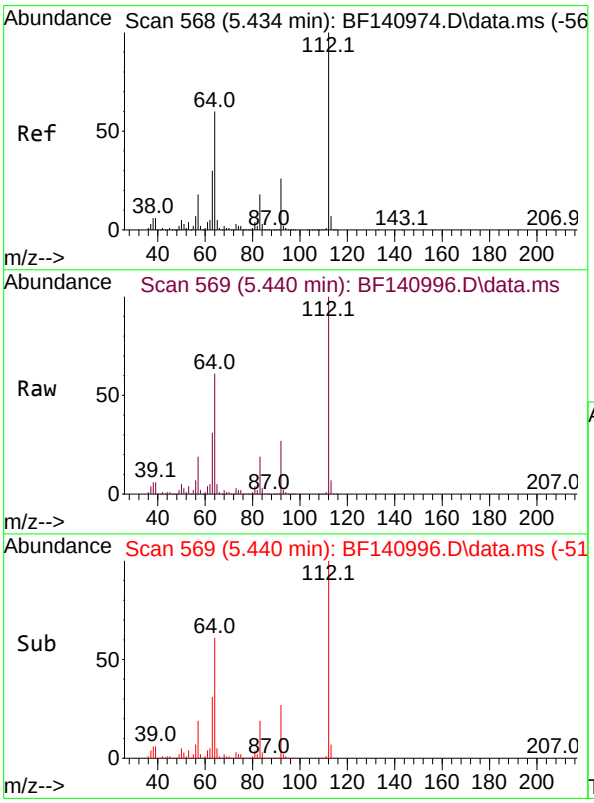
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140996.D
Acq: 27 Dec 2024 15:00

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion:152 Resp: 239225

Ion	Ratio	Lower	Upper
152	100		
150	155.7	127.0	190.6
115	64.3	51.7	77.5

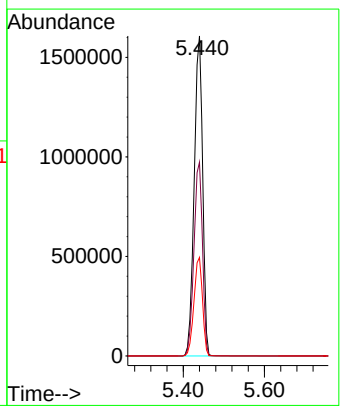


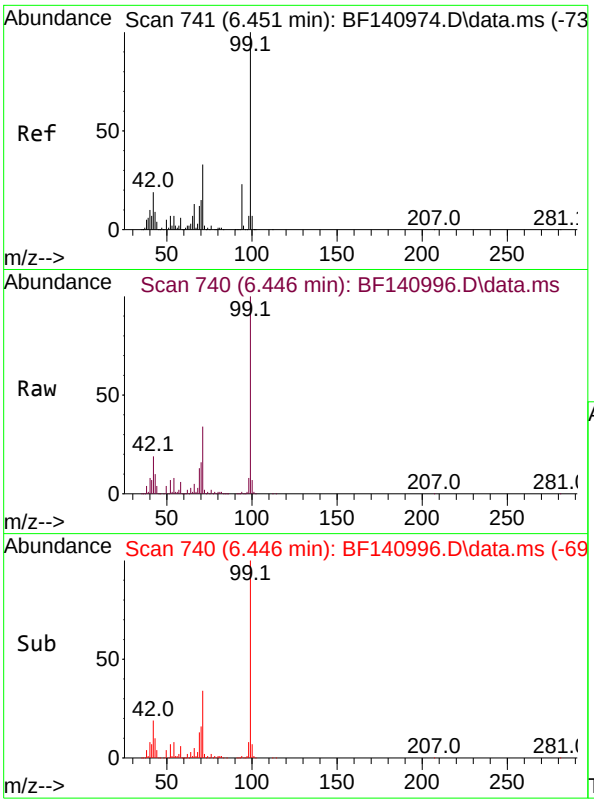


#5
2-Fluorophenol
Concen: 147.710 ng
RT: 5.440 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF140996.D
Acq: 27 Dec 2024 15:00

Tgt Ion:112 Resp: 2344195

Ion	Ratio	Lower	Upper
112	100		
64	60.6	47.7	71.5
63	30.8	24.2	36.2



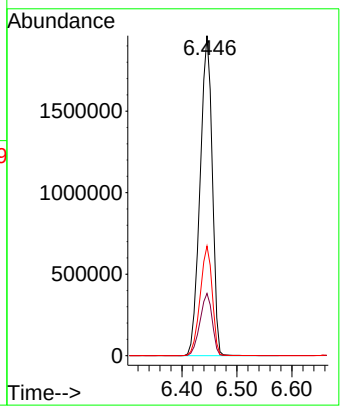


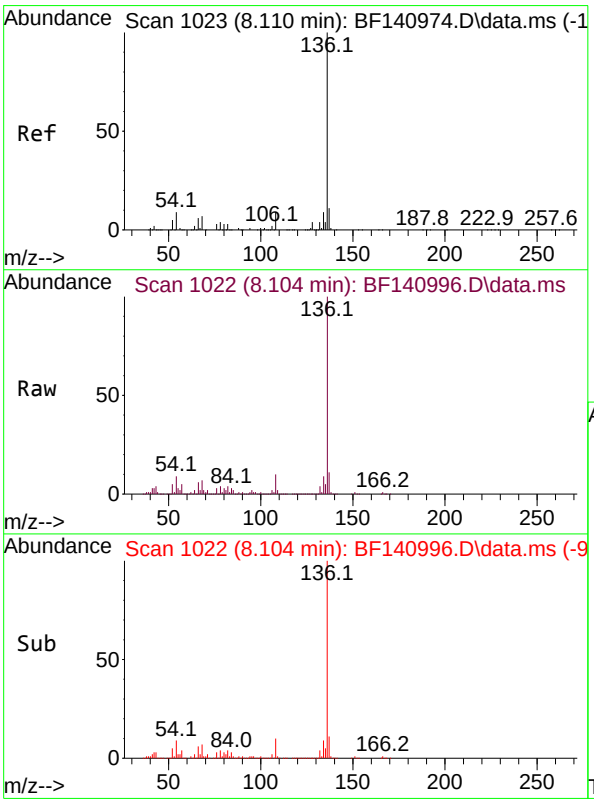
#7
Phenol-d6
Concen: 147.792 ng
RT: 6.446 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF140996.D
Acq: 27 Dec 2024 15:00

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion: 99 Resp: 3021499

Ion	Ratio	Lower	Upper
99	100		
42	19.4	15.0	22.4
71	34.2	26.2	39.2

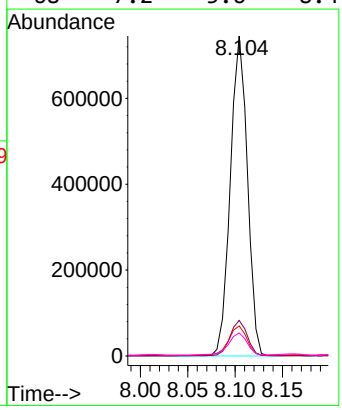




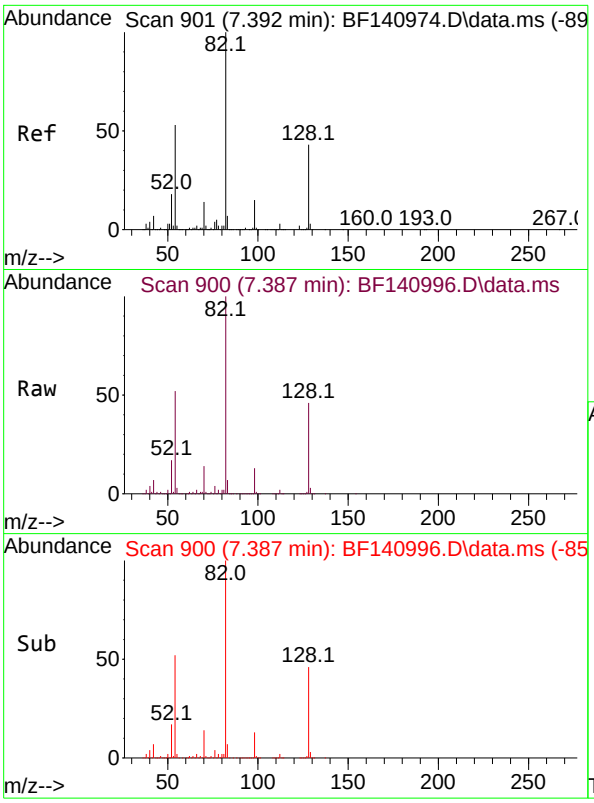
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF140996.D
Acq: 27 Dec 2024 15:00

Tgt Ion:136 Resp: 933657

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	9.4	7.6	11.4
68	7.2	5.6	8.4



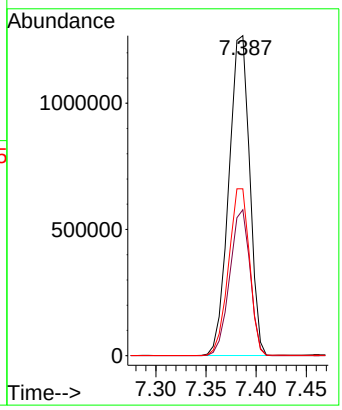
Instrument :
BNA_F
ClientSampleId :
SB-02

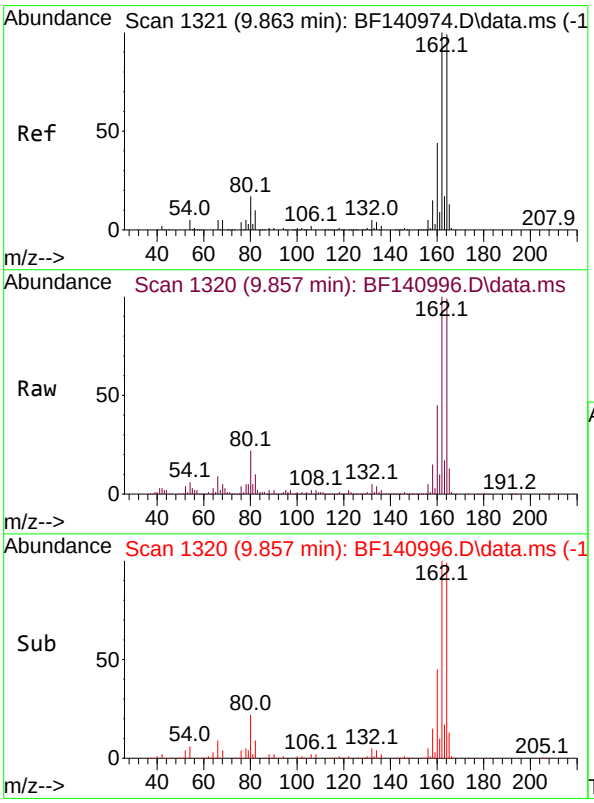


#23
Nitrobenzene-d5
Concen: 125.408 ng
RT: 7.387 min Scan# 9(
Delta R.T. -0.006 min
Lab File: BF140996.D
Acq: 27 Dec 2024 15:00

Tgt Ion: 82 Resp: 1830138

Ion	Ratio	Lower	Upper
82	100		
128	45.6	34.4	51.6
54	52.2	42.4	63.6

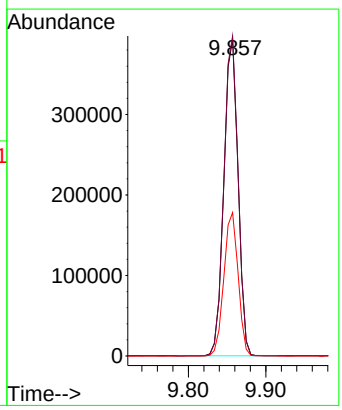


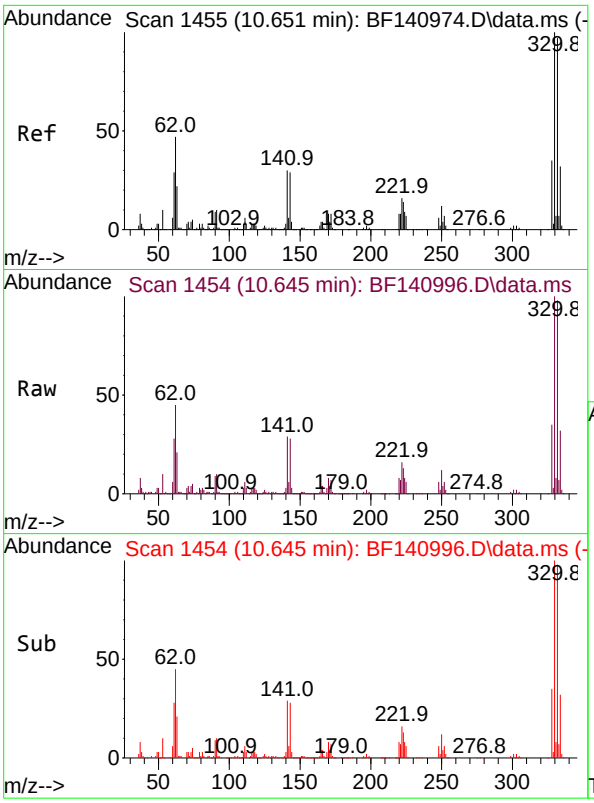


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF140996.D
Acq: 27 Dec 2024 15:00

Tgt Ion:164 Resp: 501639

Ion	Ratio	Lower	Upper
164	100		
162	101.1	80.6	120.8
160	45.3	35.7	53.5



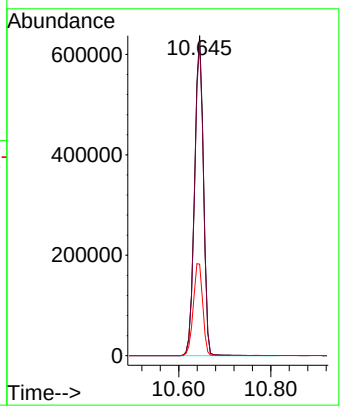


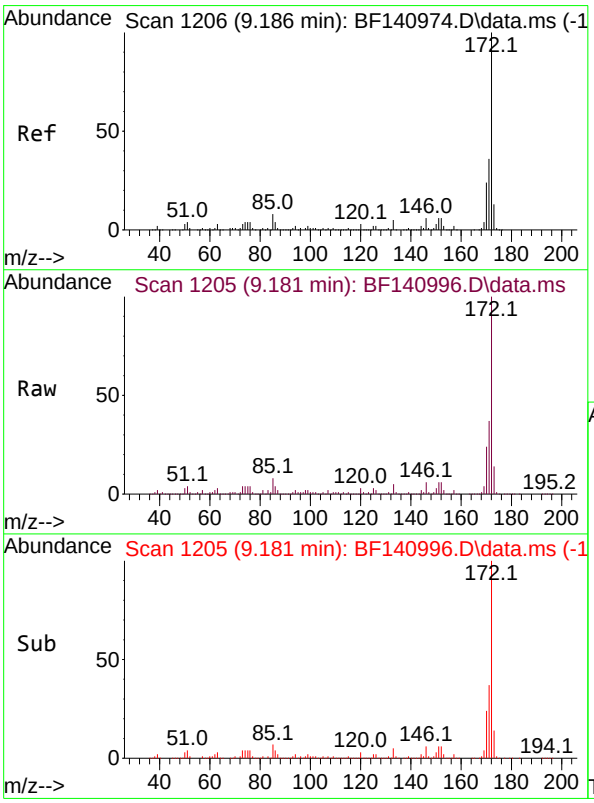
#42
2,4,6-Tribromophenol
Concen: 174.234 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140996.D
Acq: 27 Dec 2024 15:00

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion:330 Resp: 849294

Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.0	117.0
141	30.4	26.4	39.6

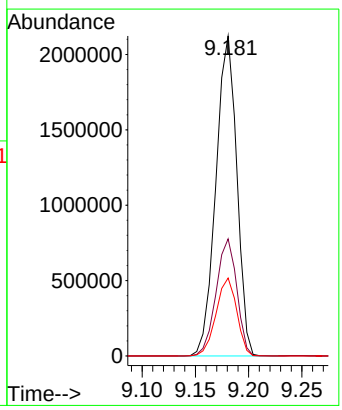


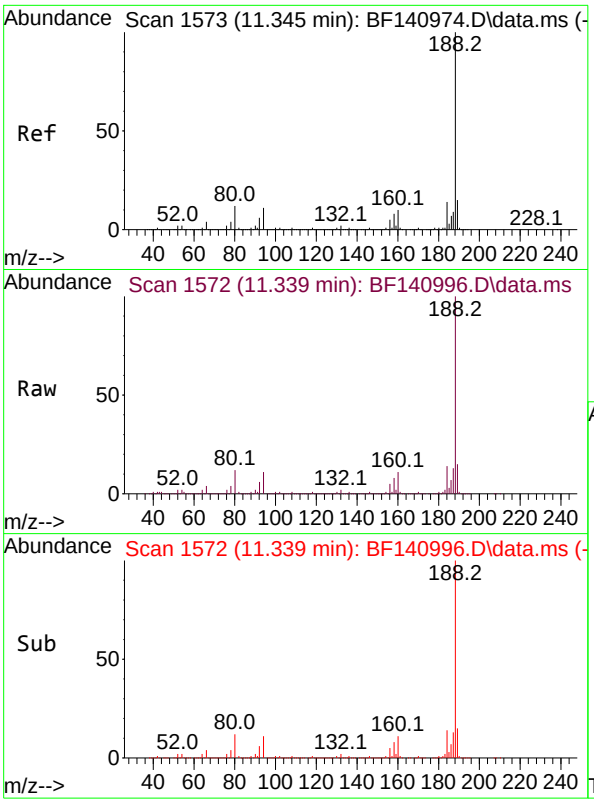


#45
2-Fluorobiphenyl
Concen: 91.924 ng
RT: 9.181 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF140996.D
Acq: 27 Dec 2024 15:00

Tgt Ion:172 Resp: 2894268

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.0	43.4
170	24.3	19.6	29.4



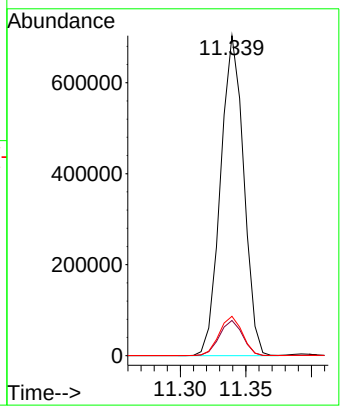


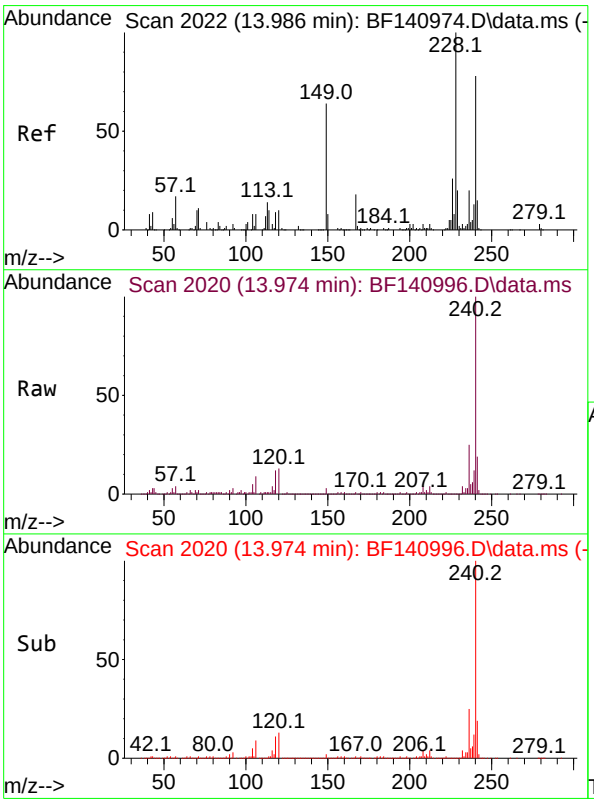
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140996.D
Acq: 27 Dec 2024 15:00

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion:188 Resp: 863212

Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.0	13.6
80	12.3	9.8	14.6

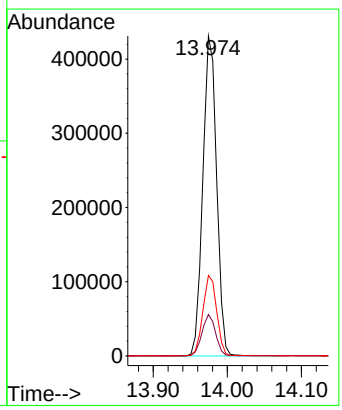


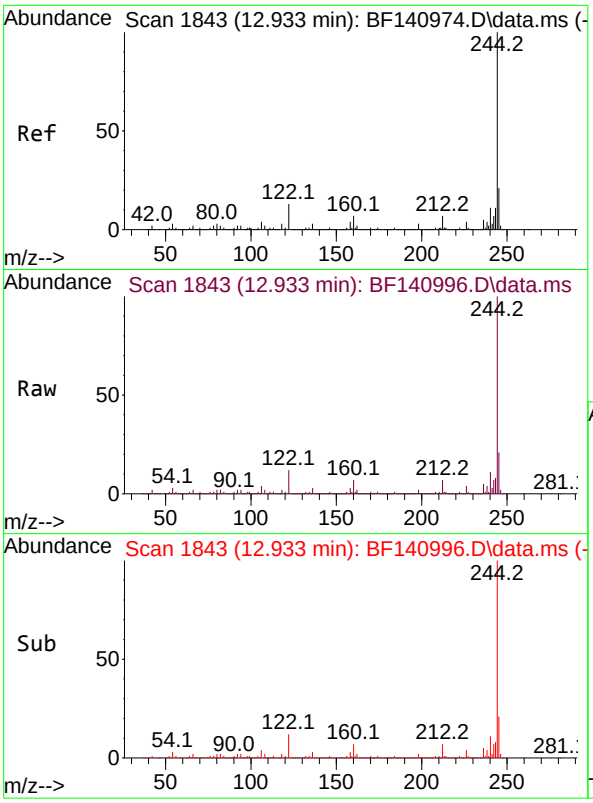


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF140996.D
Acq: 27 Dec 2024 15:00

Tgt Ion:240 Resp: 557903

Ion	Ratio	Lower	Upper
240	100		
120	12.9	10.7	16.1
236	25.1	20.6	31.0



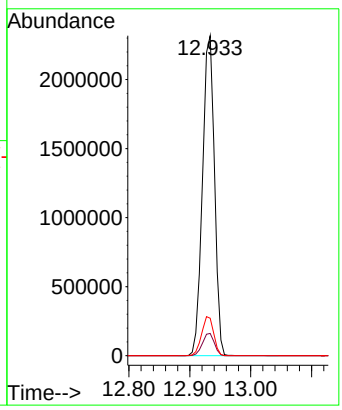


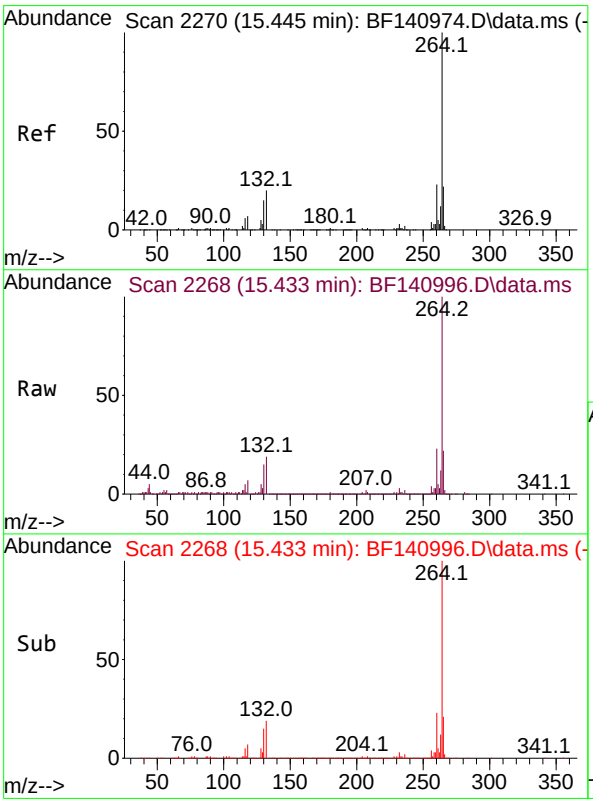
#79
Terphenyl-d14
Concen: 94.420 ng
RT: 12.933 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140996.D
Acq: 27 Dec 2024 15:00

Instrument :
BNA_F
ClientSampleId :
SB-02

Tgt Ion:244 Resp: 3171421

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	11.7	10.2	15.2

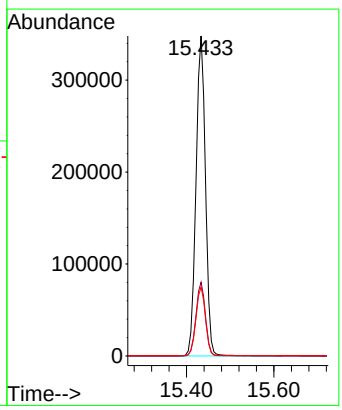




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.012 min
Lab File: BF140996.D
Acq: 27 Dec 2024 15:00

Tgt Ion:264 Resp: 525276

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	21.5	17.4	26.2



Sample Results: **BF140996.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

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-BF122624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140996.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.057	499	504	513	rVB	80604	132894	1.51%	0.168%
2	5.440	561	569	574	rBV	5675334	8307613	94.41%	10.486%
3	6.446	732	740	748	rBV	5668140	8799886	100.00%	11.108%
4	6.822	799	804	811	rVB	1176859	1481695	16.84%	1.870%
5	6.887	811	815	819	rBV	68815	90747	1.03%	0.115%
6	7.216	866	871	875	rBV3	83315	125067	1.42%	0.158%
7	7.387	890	900	904	rBV	3762845	5595787	63.59%	7.063%
8	7.422	904	906	910	rVV	298425	337213	3.83%	0.426%
9	7.469	910	914	920	rVB4	45991	96122	1.09%	0.121%
10	7.634	938	942	949	rVB2	267816	407277	4.63%	0.514%
11	7.745	950	961	965	rBV4	131058	327012	3.72%	0.413%
12	7.792	965	969	972	rBV2	102186	156821	1.78%	0.198%
13	7.857	977	980	984	rBV	117382	155708	1.77%	0.197%
14	7.898	984	987	991	rVB2	104888	129664	1.47%	0.164%
15	8.010	1003	1006	1010	rBV2	83974	101246	1.15%	0.128%
16	8.104	1012	1022	1027	rVV2	1714366	3007677	34.18%	3.796%
17	8.169	1028	1033	1036	rVV	361027	459182	5.22%	0.580%
18	8.204	1036	1039	1046	rVV5	55499	92371	1.05%	0.117%
19	8.316	1054	1058	1061	rBV2	91478	145547	1.65%	0.184%
20	8.398	1066	1072	1078	rBV4	301593	620511	7.05%	0.783%
21	8.451	1078	1081	1083	rVV2	103104	99306	1.13%	0.125%
22	8.487	1083	1087	1090	rVB	198866	251236	2.85%	0.317%
23	8.528	1090	1094	1104	rVB	591803	932489	10.60%	1.177%
24	8.610	1104	1108	1111	rBV2	87956	129360	1.47%	0.163%
25	8.651	1111	1115	1116	rBV2	115851	146848	1.67%	0.185%
26	8.698	1118	1123	1127	rVV	1284151	1570346	17.85%	1.982%
27	8.792	1136	1139	1143	rVB	259710	336292	3.82%	0.424%
28	8.881	1151	1154	1157	rBV2	102376	126326	1.44%	0.159%
29	8.987	1167	1172	1173	rBV	269470	368508	4.19%	0.465%
30	9.063	1182	1185	1188	rBV	254231	286283	3.25%	0.361%
31	9.104	1188	1192	1193	rVV	212029	252563	2.87%	0.319%
32	9.128	1193	1196	1199	rVV	722189	866611	9.85%	1.094%
33	9.181	1199	1205	1209	rVB	6362160	8676357	98.60%	10.952%
34	9.263	1214	1219	1224	rBV	1942750	2553956	29.02%	3.224%
35	9.516	1260	1262	1265	rBV2	63951	98465	1.12%	0.124%
36	9.581	1268	1273	1281	rVB3	564904	1030767	11.71%	1.301%

Sample Results: **BF140996.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

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-BF122624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	9.792	1302	1309	1313	rVV	716422	979549	11.13%	1.236%
38	9.857	1314	1320	1325	rVB	1721968	2314361	26.30%	2.921%
39	10.116	1360	1364	1367	rBV3	64901	94622	1.08%	0.119%
40	10.145	1367	1369	1381	rVB	83279	126568	1.44%	0.160%
41	10.292	1386	1394	1401	rVB2	159354	297044	3.38%	0.375%
42	10.569	1436	1441	1447	rBV	765006	980364	11.14%	1.237%
43	10.645	1447	1454	1459	rBV	4557880	6329396	71.93%	7.989%
44	10.769	1472	1475	1484	rVB2	87151	182923	2.08%	0.231%
45	11.339	1567	1572	1579	rVB	1790749	2215409	25.18%	2.796%
46	11.410	1579	1584	1588	rVB2	149097	187983	2.14%	0.237%
47	11.875	1655	1663	1678	rBV	1427707	2338402	26.57%	2.952%
48	12.010	1682	1686	1687	rVV	97215	128659	1.46%	0.162%
49	12.039	1688	1691	1699	rVB2	198556	295585	3.36%	0.373%
50	12.580	1776	1783	1789	rBV2	128685	284173	3.23%	0.359%
51	12.657	1790	1796	1808	rVV	563490	935364	10.63%	1.181%
52	12.933	1837	1843	1848	rVB	6223410	8597576	97.70%	10.852%
53	13.833	1991	1996	2009	rVB	532615	858158	9.75%	1.083%
54	13.974	2015	2020	2030	rVB	1211432	1610888	18.31%	2.033%
55	14.157	2047	2051	2064	rVB	207595	359100	4.08%	0.453%
56	14.463	2100	2103	2117	rVB2	88905	165690	1.88%	0.209%
57	14.645	2130	2134	2144	rVB	121892	221649	2.52%	0.280%
58	15.433	2262	2268	2274	rBV	941316	1424816	16.19%	1.798%

Sum of corrected areas: 79224032

Sample Results: **BF140996.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

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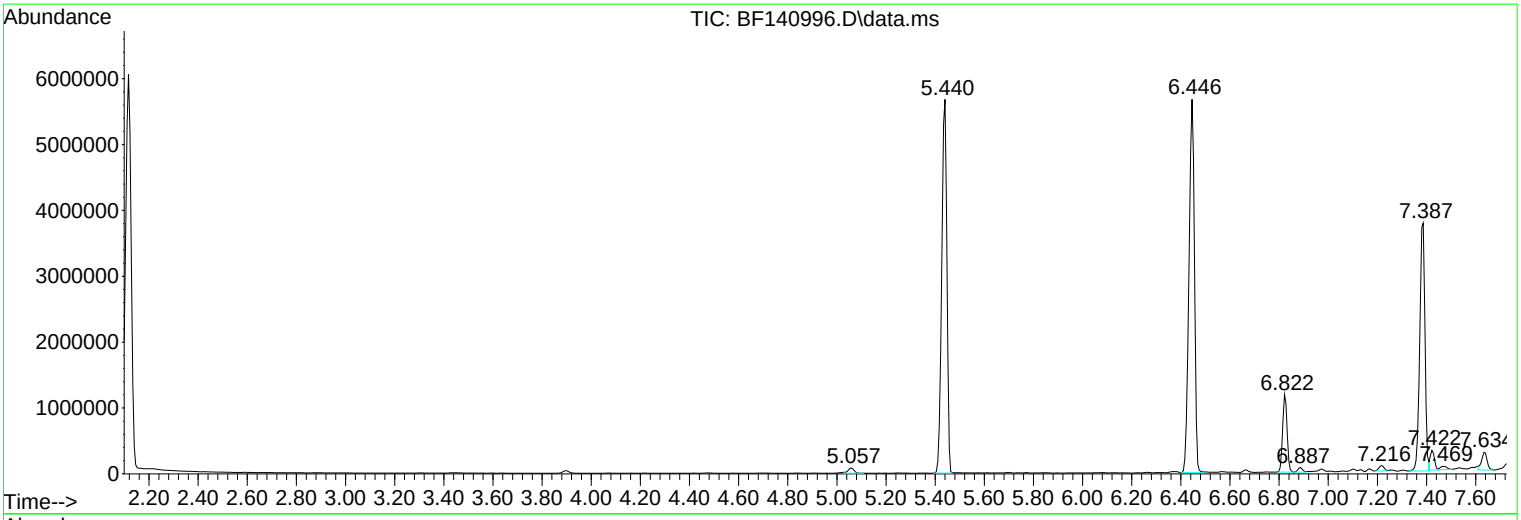
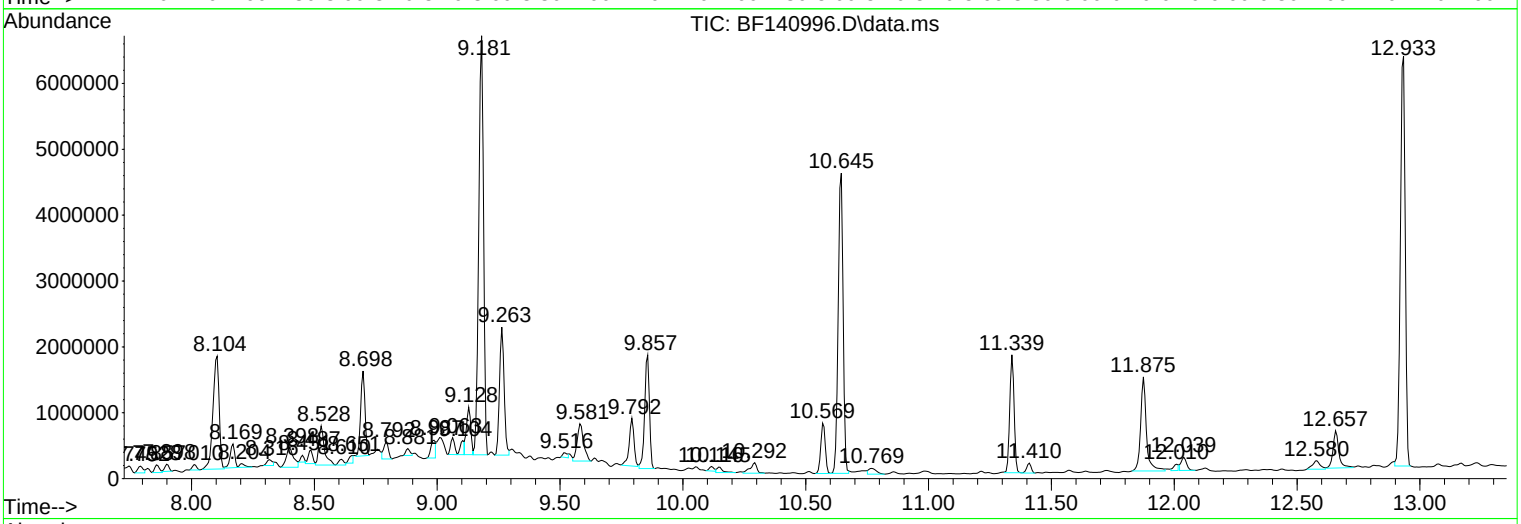
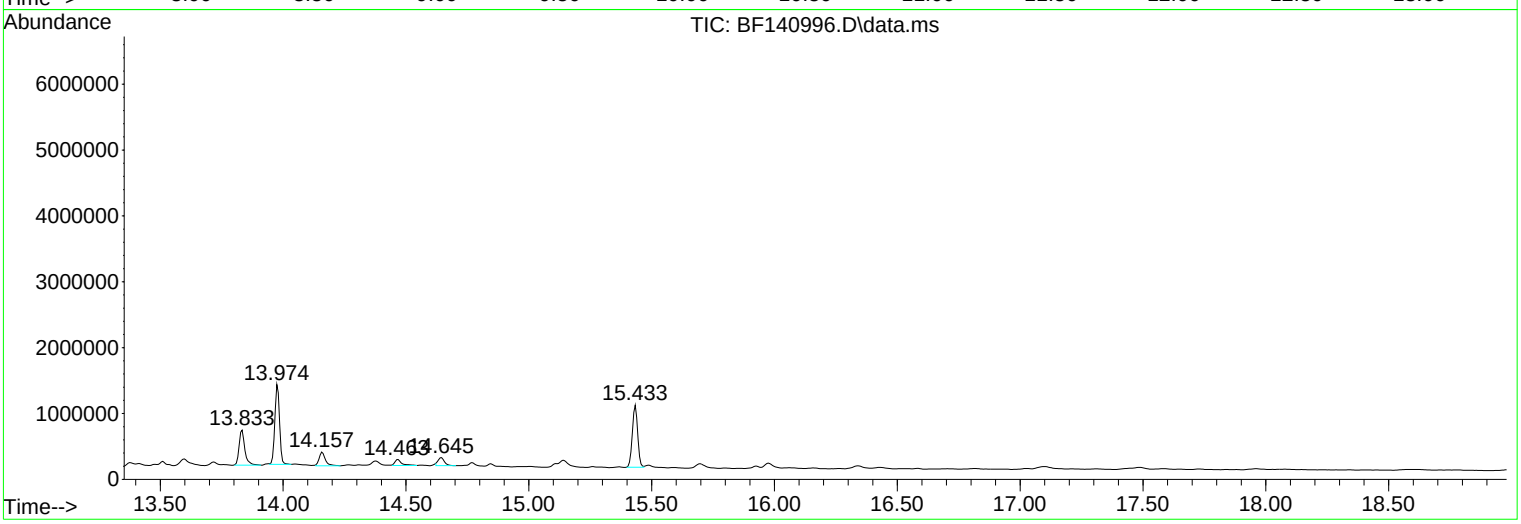
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Sample Results: **BF140996.D**

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Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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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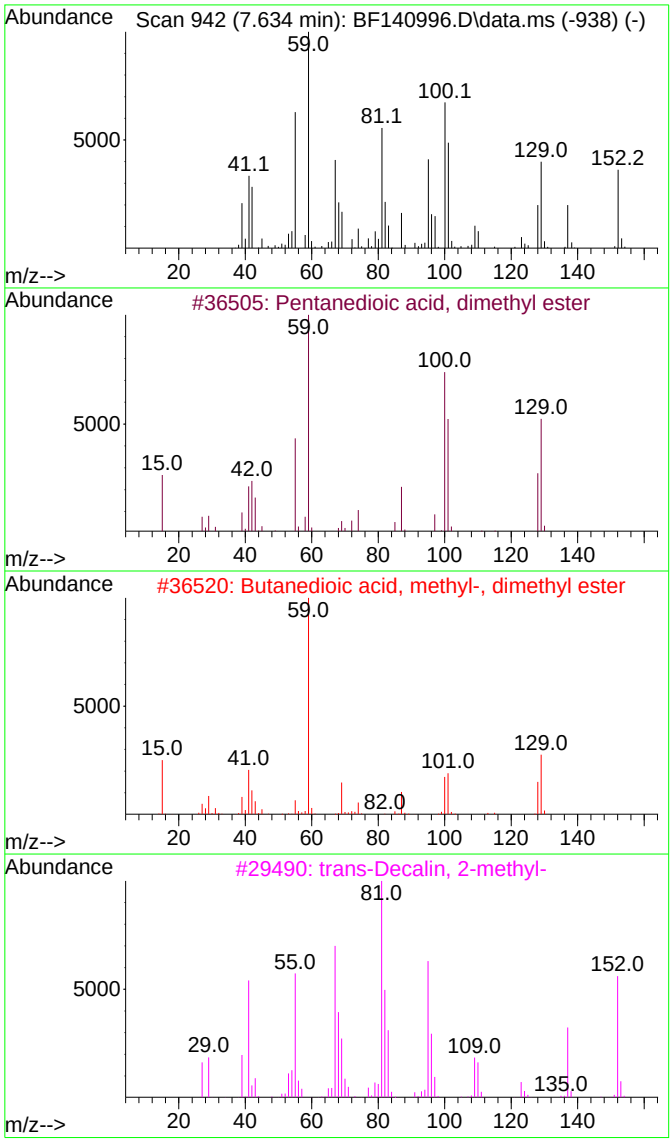
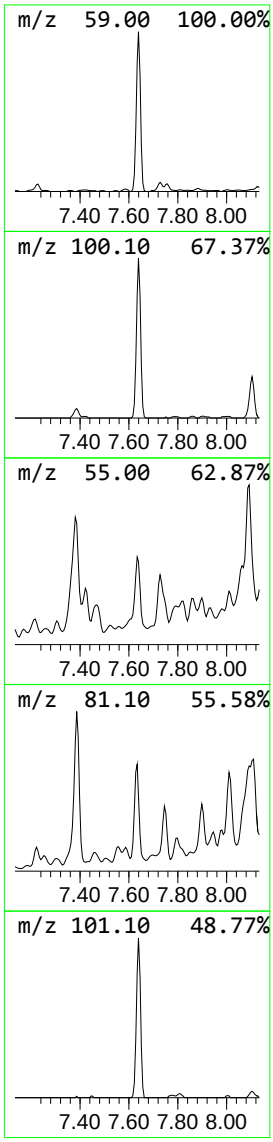
Peak Number 1 unknown7.634 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.634	2.71 ng	407277	Naphthalene-d8	8.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanedioic acid, dimethyl ester	160	C7H12O4	001119-40-0	49
2	Butanedioic acid, methyl-, dimet...	160	C7H12O4	001604-11-1	38
3	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	38
4	Butyric acid, 3-bromo-, methyl e...	180	C5H9BrO2	021249-59-2	22
5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	22





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Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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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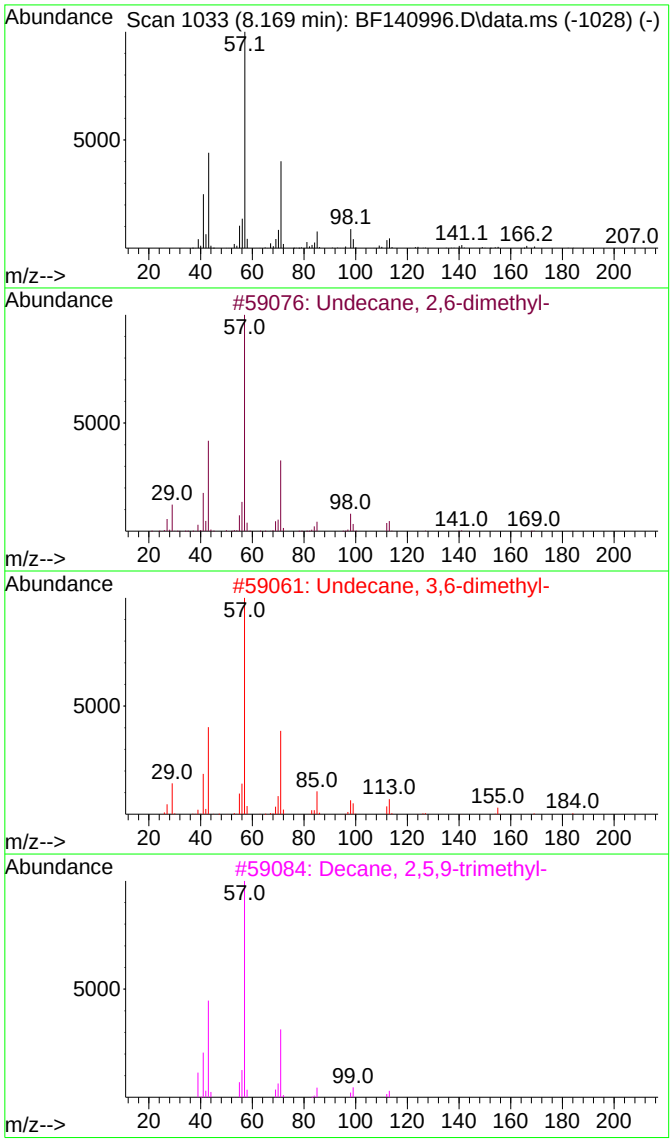
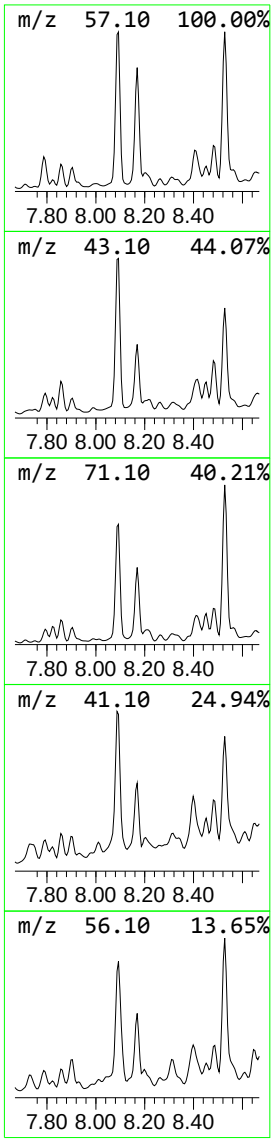
Peak Number 2 Undecane, 2,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.169	3.05 ng	459182	Naphthalene-d8	8.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	97
2	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	83
3	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	78
4	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	78
5	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	64





Sample Results: **BF140996.D**

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Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

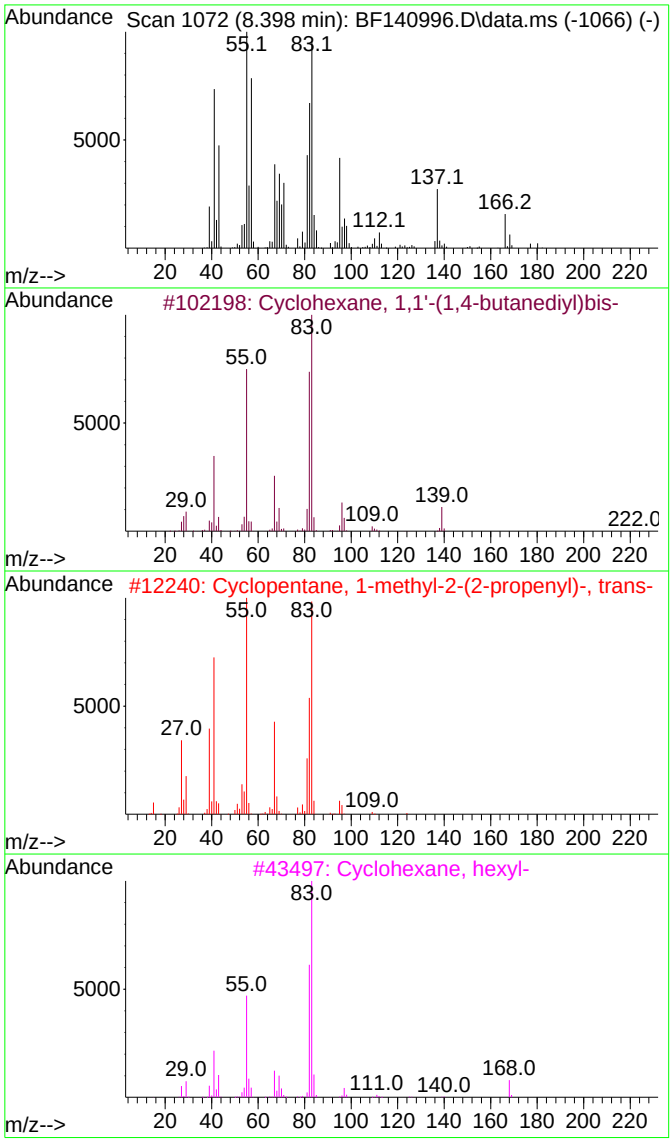
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

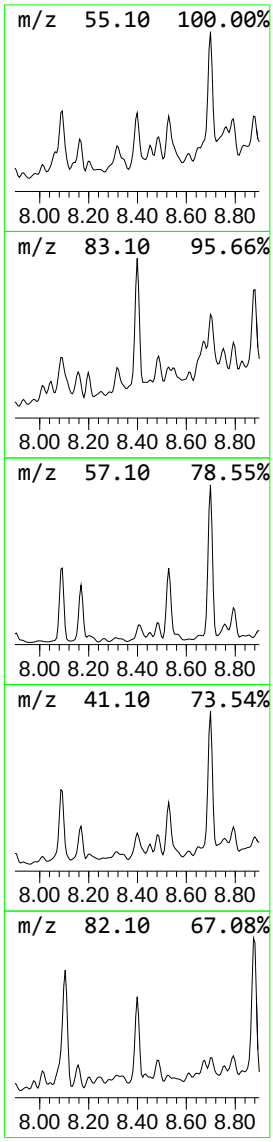
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclohexane, 1,1'-(1,4-buta... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.398	4.13 ng	620511	Naphthalene-d8	8.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	50
2	Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	47
3	Cyclohexane, hexyl-	168	C12H24	004292-75-5	46
4	Cyclohexane, (cyclopentylmethyl)-	166	C12H22	004431-89-4	46
5	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
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Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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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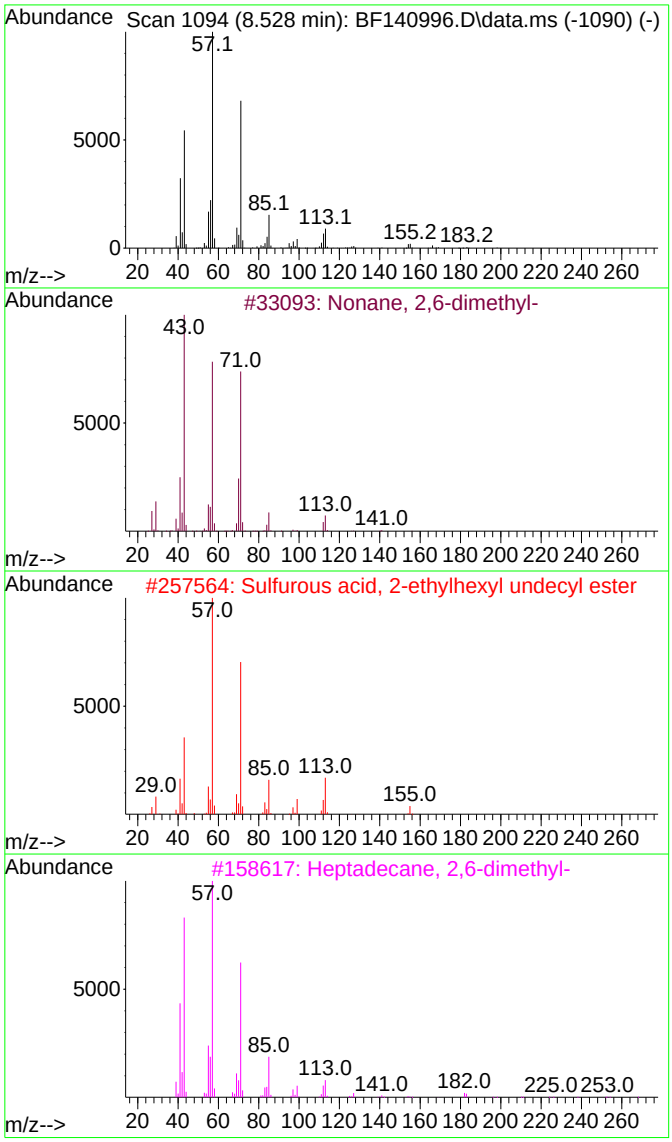
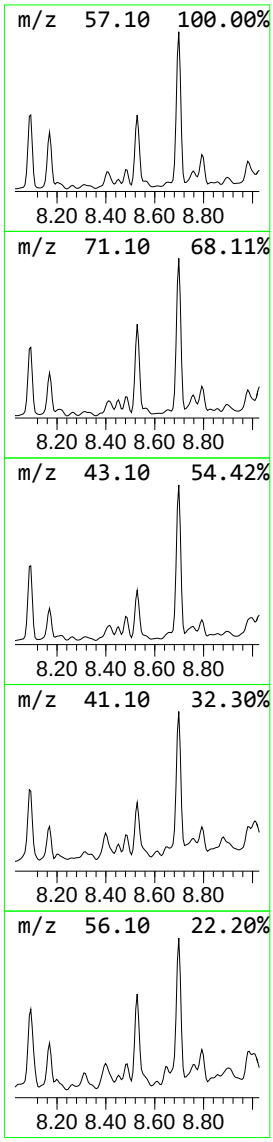
Peak Number 4 Nonane, 2,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.528	6.20 ng	932489	Naphthalene-d8	8.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	72
2	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	72
3	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	72
4	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	70
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64





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Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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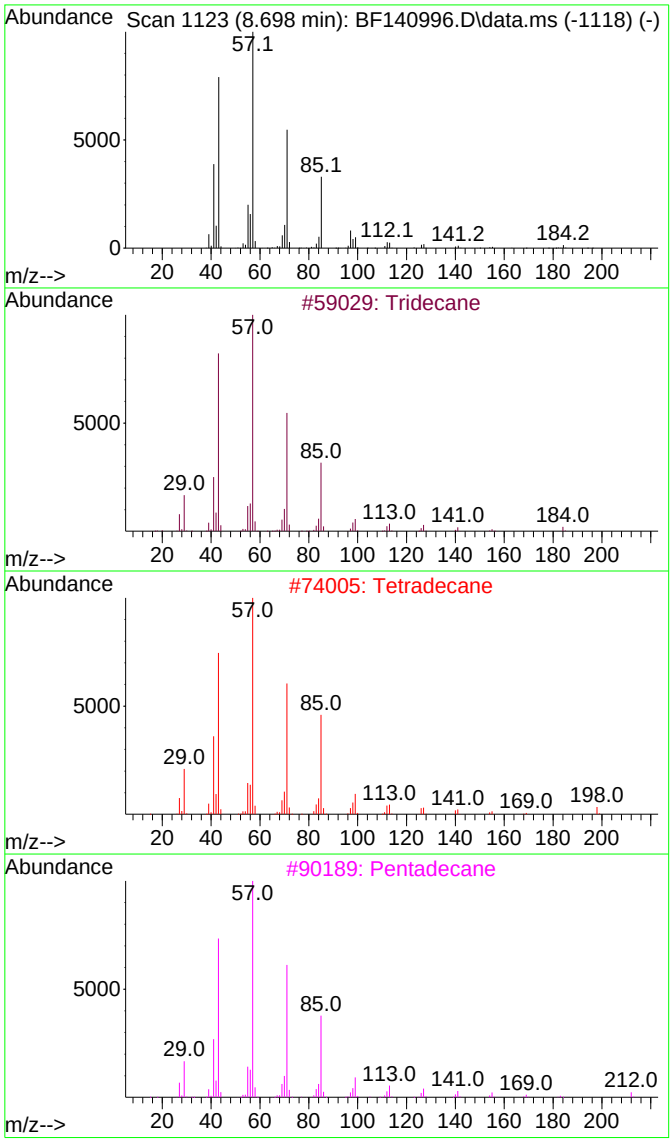
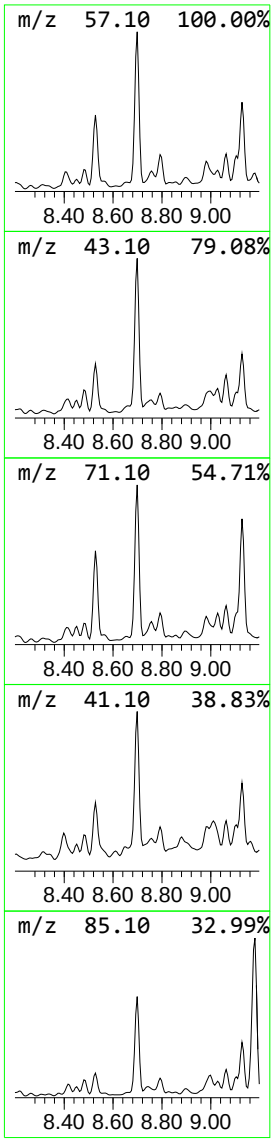
Peak Number 5 Tridecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.698	10.44 ng	1570350	Naphthalene-d8	8.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	94
2	Tetradecane	198	C14H30	000629-59-4	86
3	Pentadecane	212	C15H32	000629-62-9	86
4	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	78
5	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	78





Sample Results: **BF140996.D**

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Acq On : 27 Dec 2024 15:00
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Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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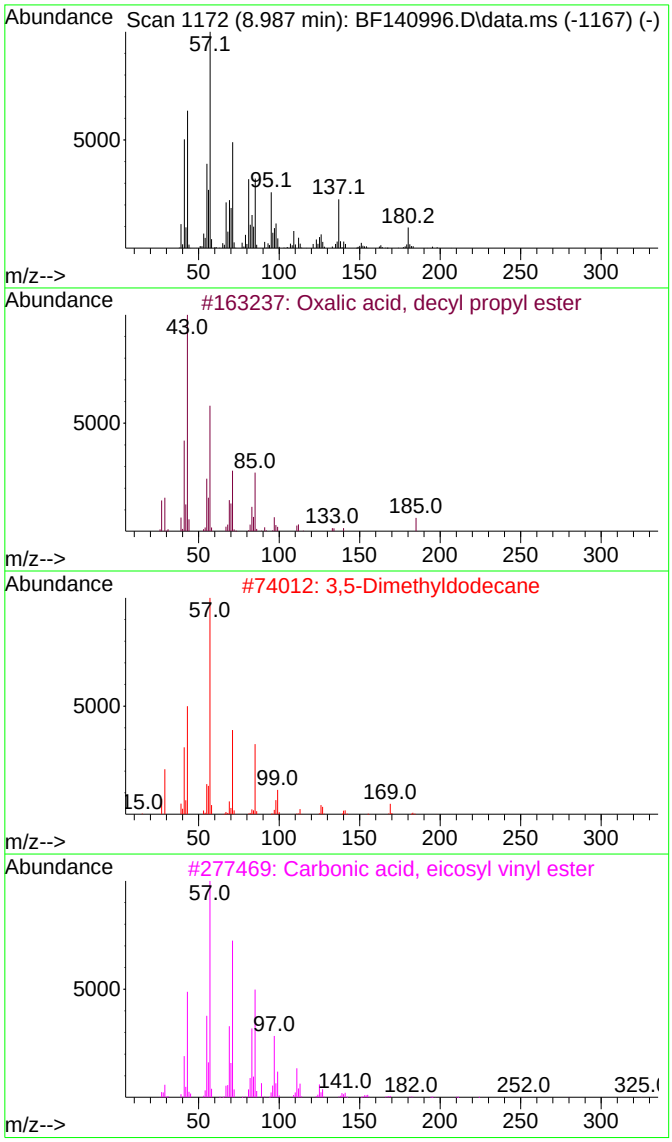
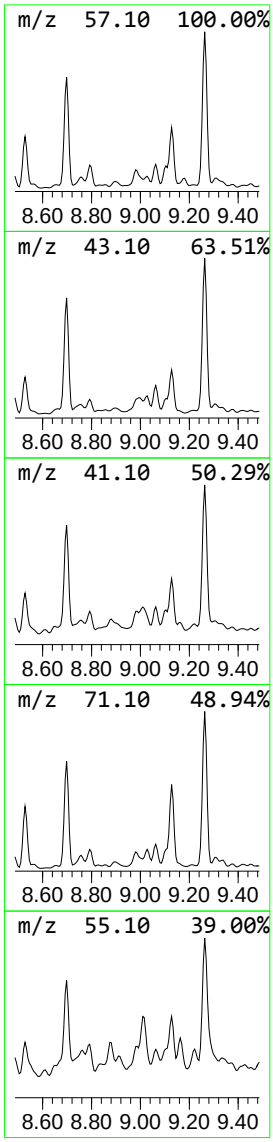
Peak Number 6 unknown8.987 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.987	3.18 ng	368508	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, decyl propyl ester	272	C15H28O4	1000309-26-3	46
2	3,5-Dimethyldodecane	198	C14H30	107770-99-0	45
3	Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	43
4	Carbonic acid, dodecyl vinyl ester	256	C15H28O3	1000382-54-8	43
5	Dodecane, 1-fluoro-	188	C12H25F	000334-68-9	38





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Acq On : 27 Dec 2024 15:00
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Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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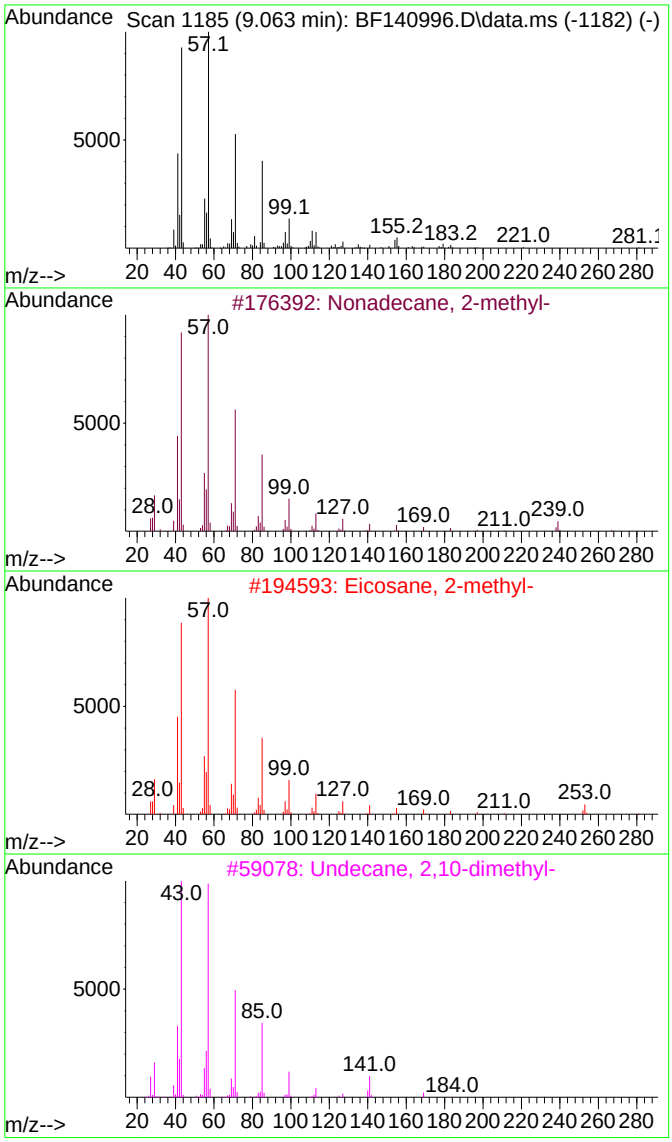
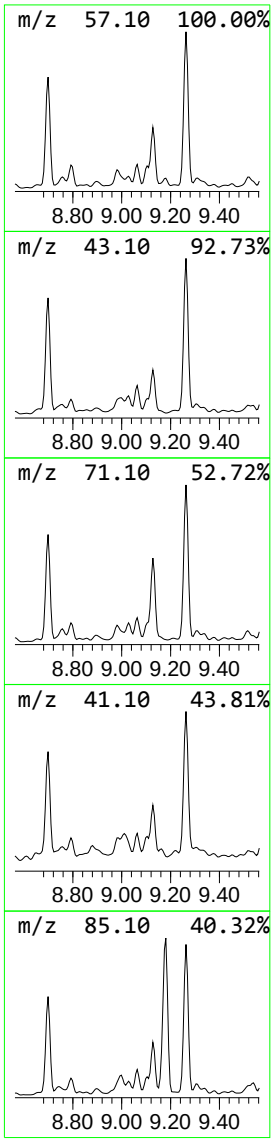
Peak Number 7 Nonadecane, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.063	2.47 ng	286283	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane, 2-methyl-	282	C20H42	001560-86-7	86
2	Eicosane, 2-methyl-	296	C21H44	001560-84-5	86
3	Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	83
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80
5	Octadecane, 2-methyl-	268	C19H40	001560-88-9	78





Sample Results: **BF140996.D**

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Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

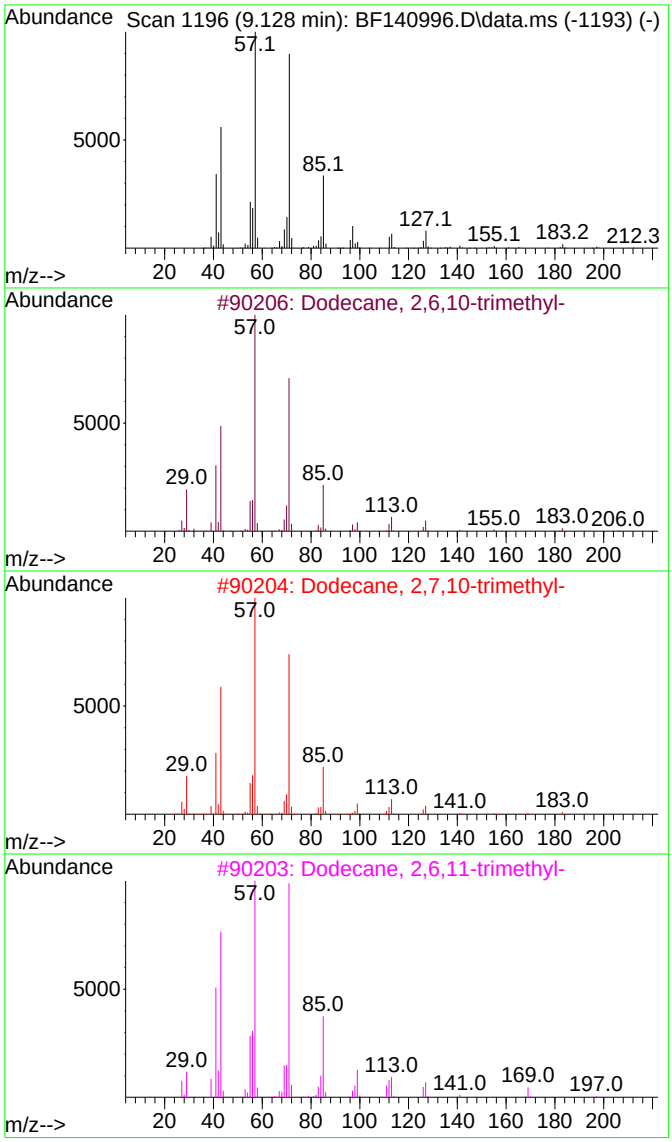
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

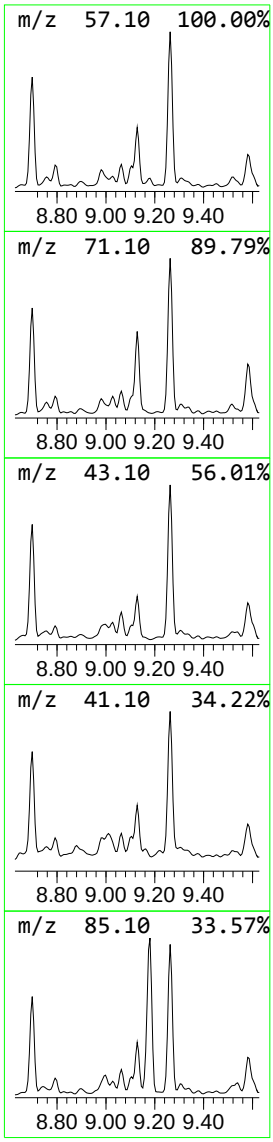
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Dodecane, 2,6,10-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.128	7.49 ng	866611	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	86
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64
4	Nonane, 5-butyl-	184	C13H28	017312-63-9	59
5	Octane, 3-ethyl-	142	C10H22	005881-17-4	59





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Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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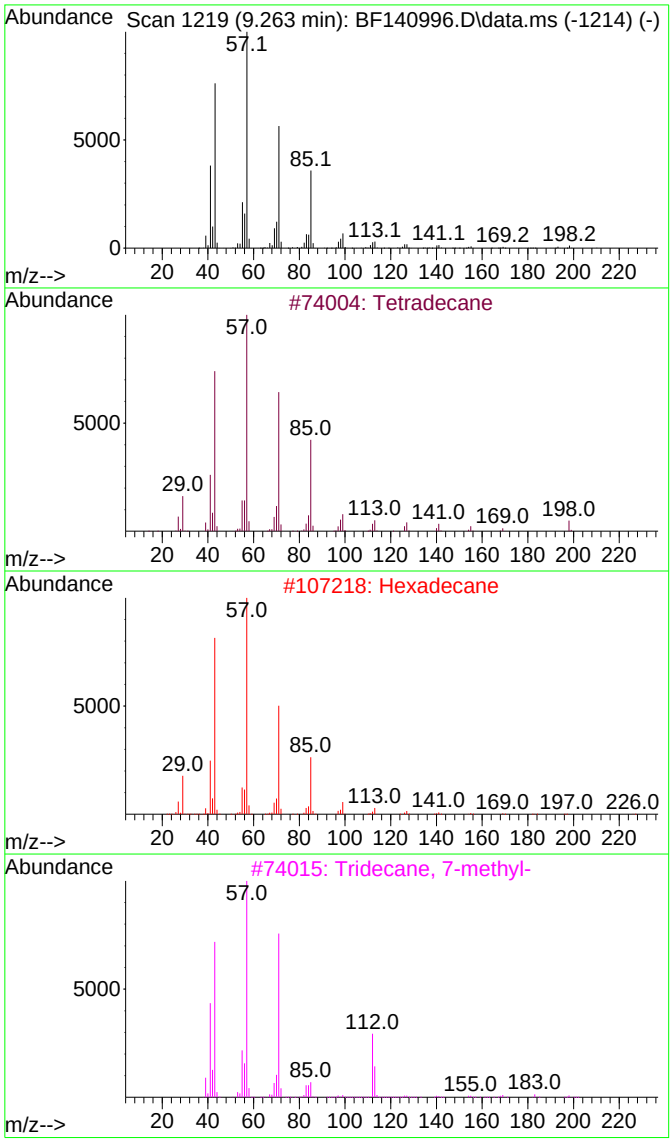
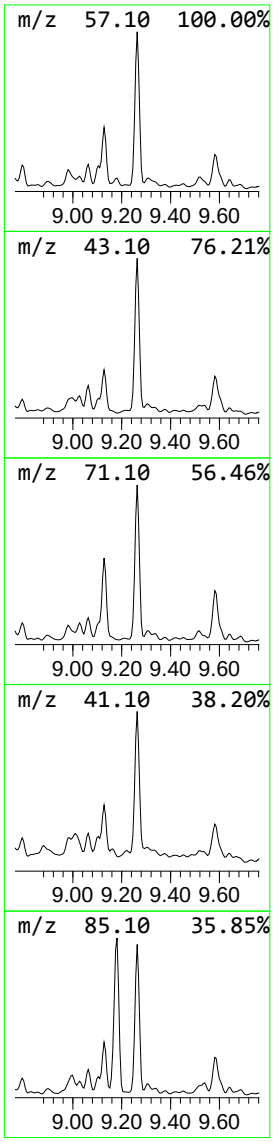
Peak Number 9 Tetradecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.263	22.07 ng	2553960	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	93
2	Hexadecane	226	C16H34	000544-76-3	91
3	Tridecane, 7-methyl-	198	C14H30	026730-14-3	81
4	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	80
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	72





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Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-02

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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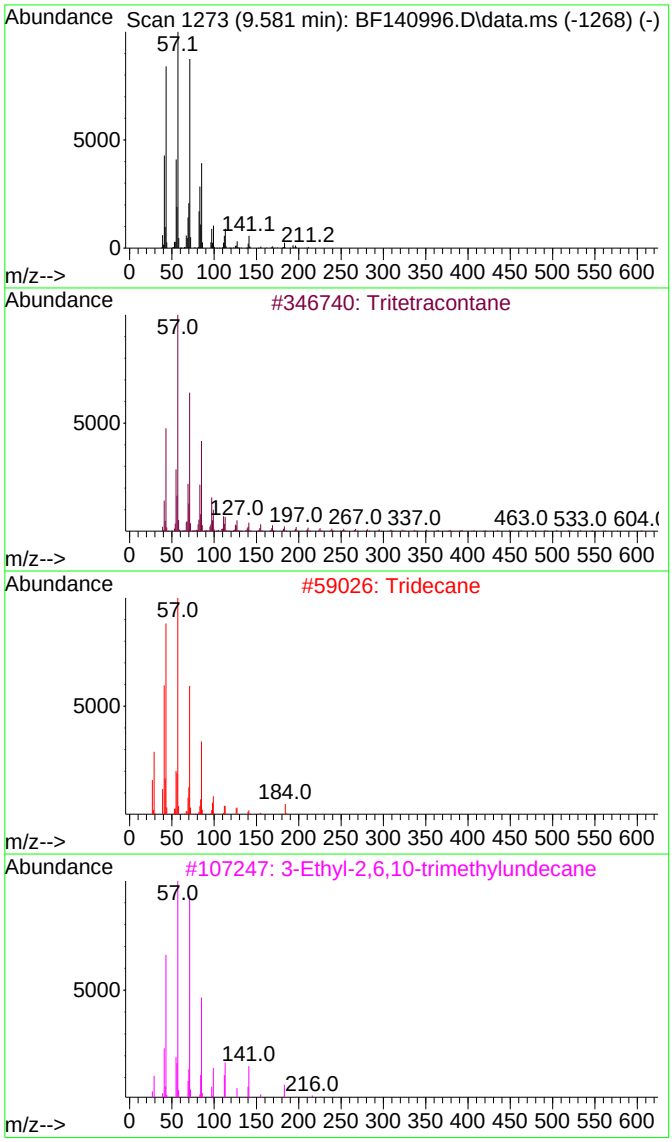
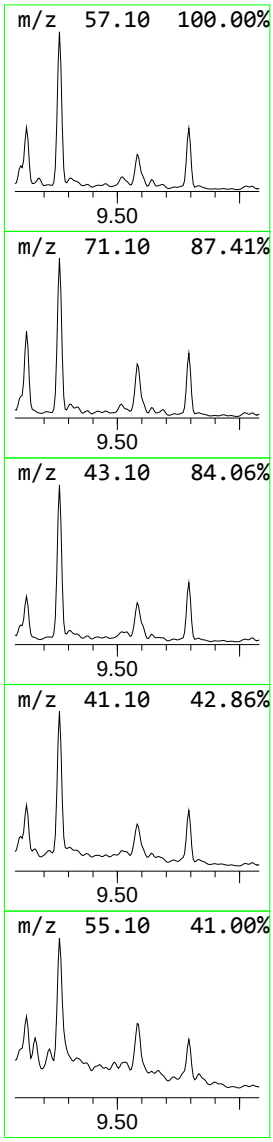
Peak Number 10 Tritetracontane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.581	8.91 ng	1030770	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tritetracontane	605	C43H88	007098-21-7	90
2	Tridecane	184	C13H28	000629-50-5	83
3	3-Ethyl-2,6,10-trimethylundecane	226	C16H34	1000432-25-9	80
4	2,6,10-Trimethyltridecane	226	C16H34	003891-99-4	80
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72





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ClientSampleId :
SB-02

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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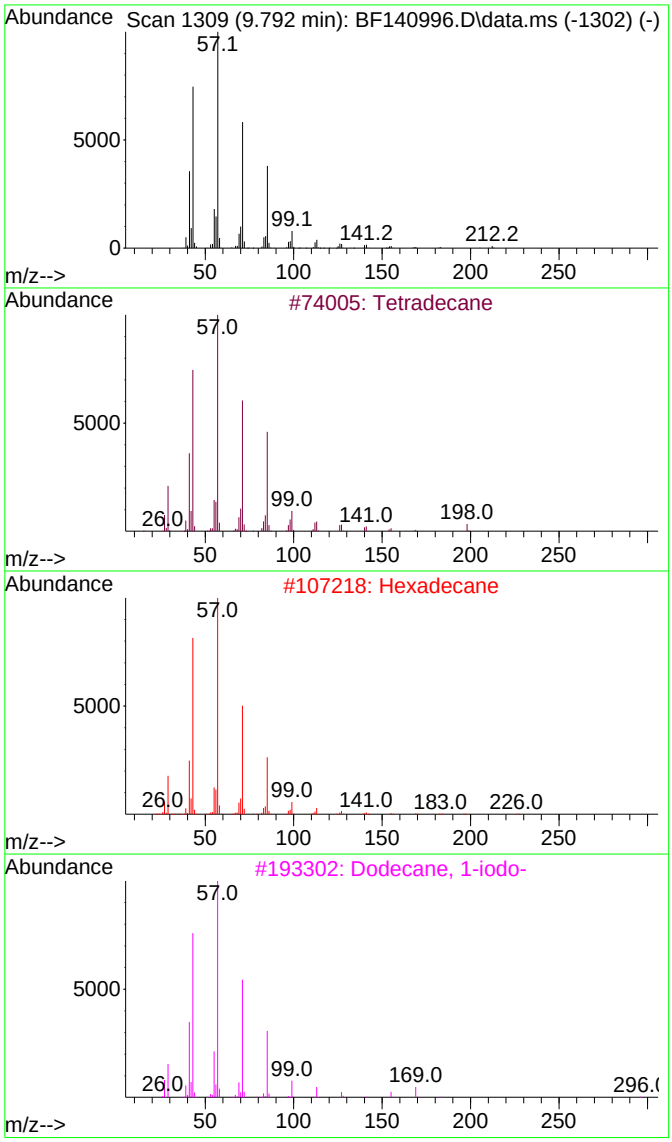
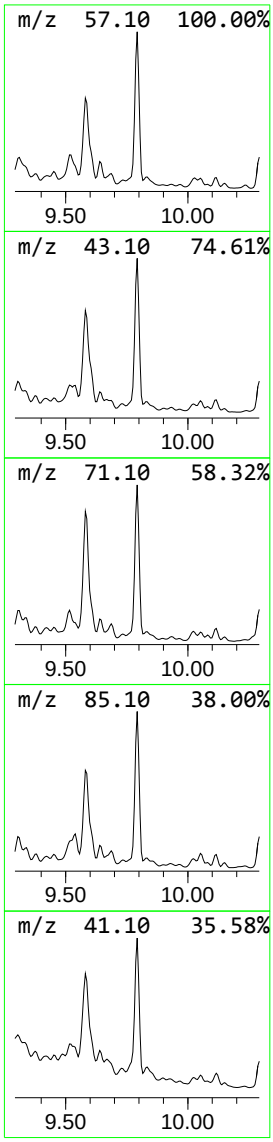
Peak Number 11 Hexadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.792	8.46 ng	979549	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Hexadecane	226	C16H34	000544-76-3	90
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72
4	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	68
5	Undecane	156	C11H24	001120-21-4	64





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Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

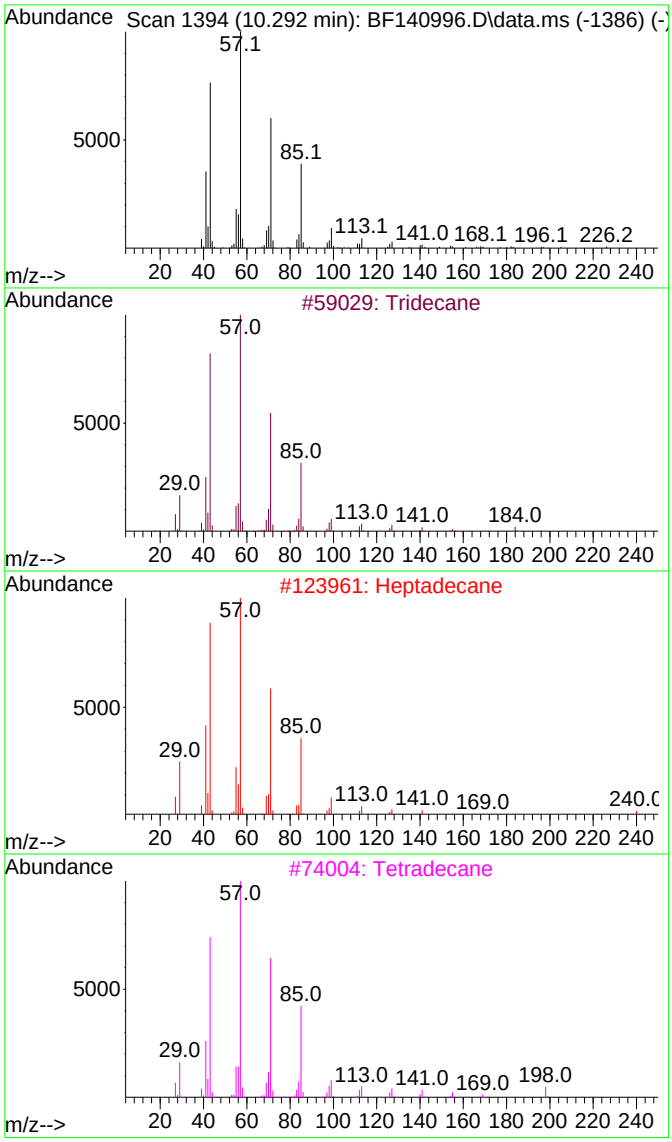
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

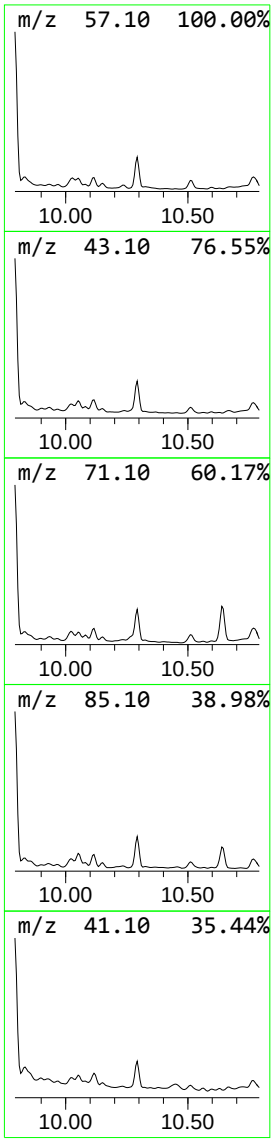
****

Peak Number 12 Heptadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.292	2.57 ng	297044	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	90
2	Heptadecane	240	C17H36	000629-78-7	90
3	Tetradecane	198	C14H30	000629-59-4	90
4	Hexadecane	226	C16H34	000544-76-3	90
5	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1010309-12-5	86





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Acq On    : 27 Dec 2024  15:00
Operator  : RC/JU
Sample    : P5299-04
Misc      :
ALS Vial  : 4   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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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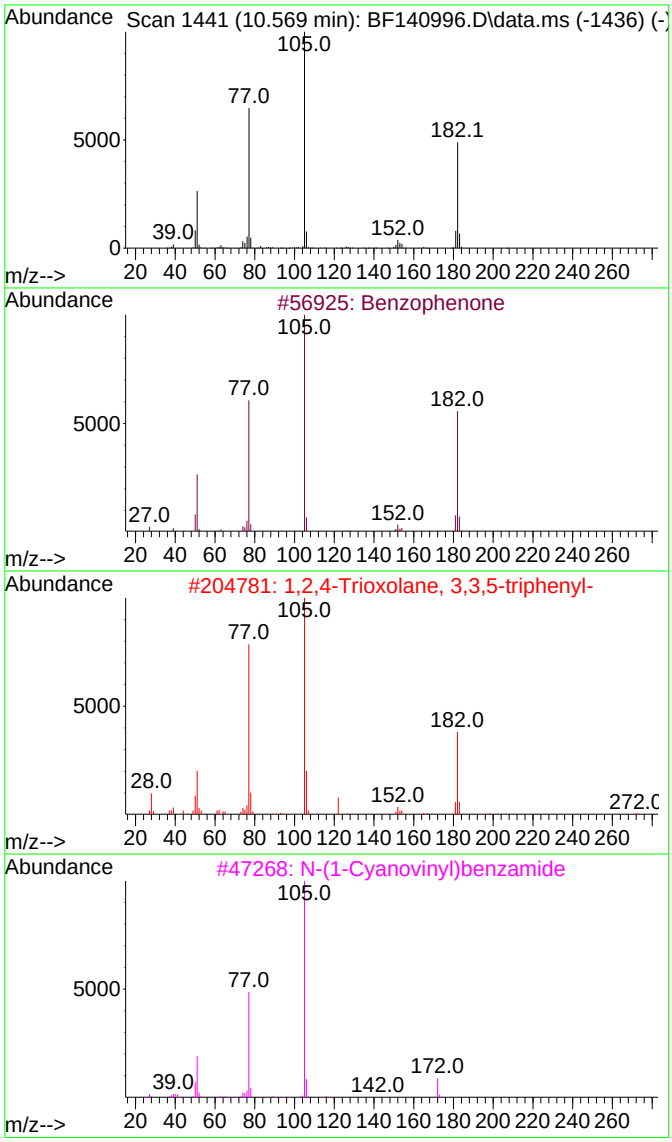
Instrument :
BNA_F
ClientSampleId :
SB-02

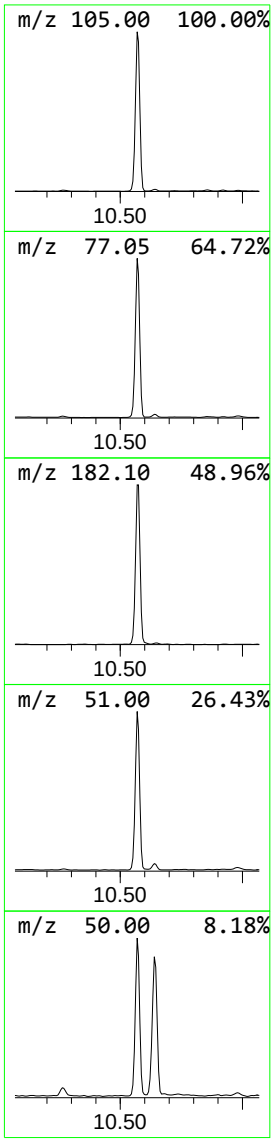
****

Peak Number 13 Benzophenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.569	8.47 ng	980364	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	72
3	N-(1-Cyanovinyl)benzamide	172	C10H8N2O	1000186-19-1	47
4	Vinyl benzoate	148	C9H8O2	000769-78-8	47
5	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

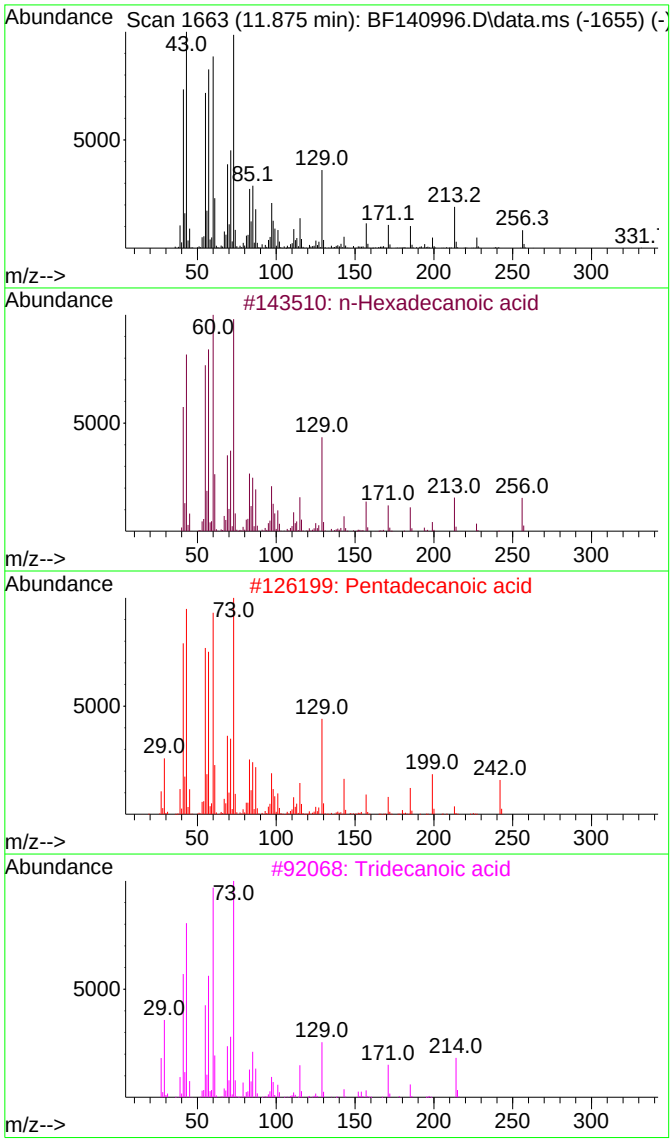
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

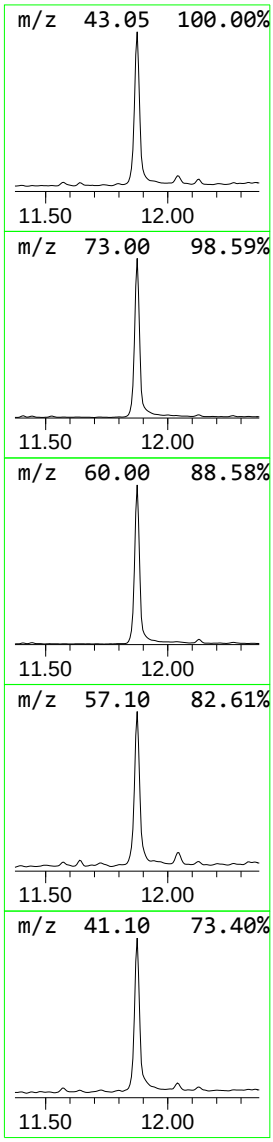
****

Peak Number 14 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.875	21.11 ng	2338400	Phenanthrene-d10	11.339

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	81
3	Tridecanoic acid	214	C13H26O2	000638-53-9	76
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	76
5	8-Methylnonanoic acid	172	C10H20O2	005963-14-4	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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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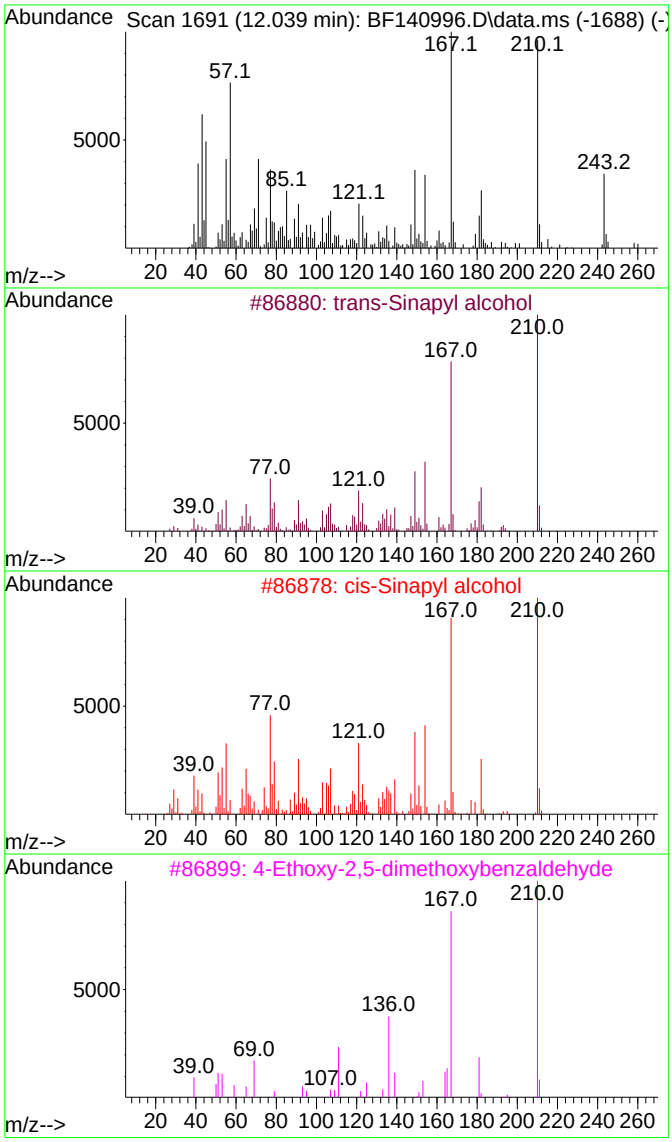
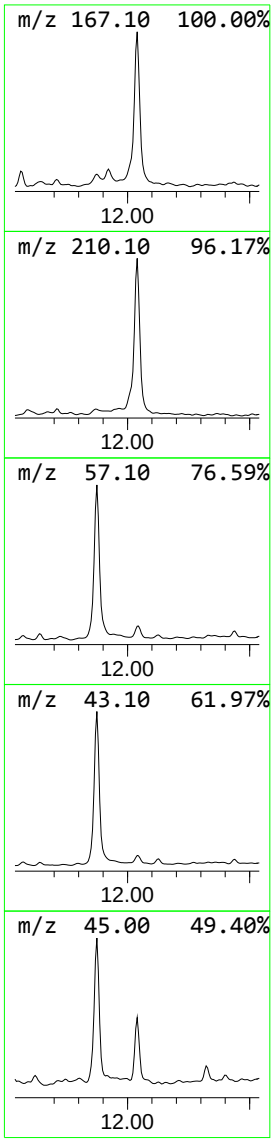
Peak Number 15 trans-Sinapyl alcohol Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.039	2.67 ng	295585	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Sinapyl alcohol	210	C11H14O4	020675-96-1	96
2	cis-Sinapyl alcohol	210	C11H14O4	104330-63-4	78
3	4-Ethoxy-2,5-dimethoxybenzaldehyde	210	C11H14O4	1000121-30-2	60
4	4,6-Bis(ethylamino)-1,3,5-triazi...	210	C8H14N6O	293329-79-0	43
5	Syringylacetone	210	C11H14O4	019037-58-2	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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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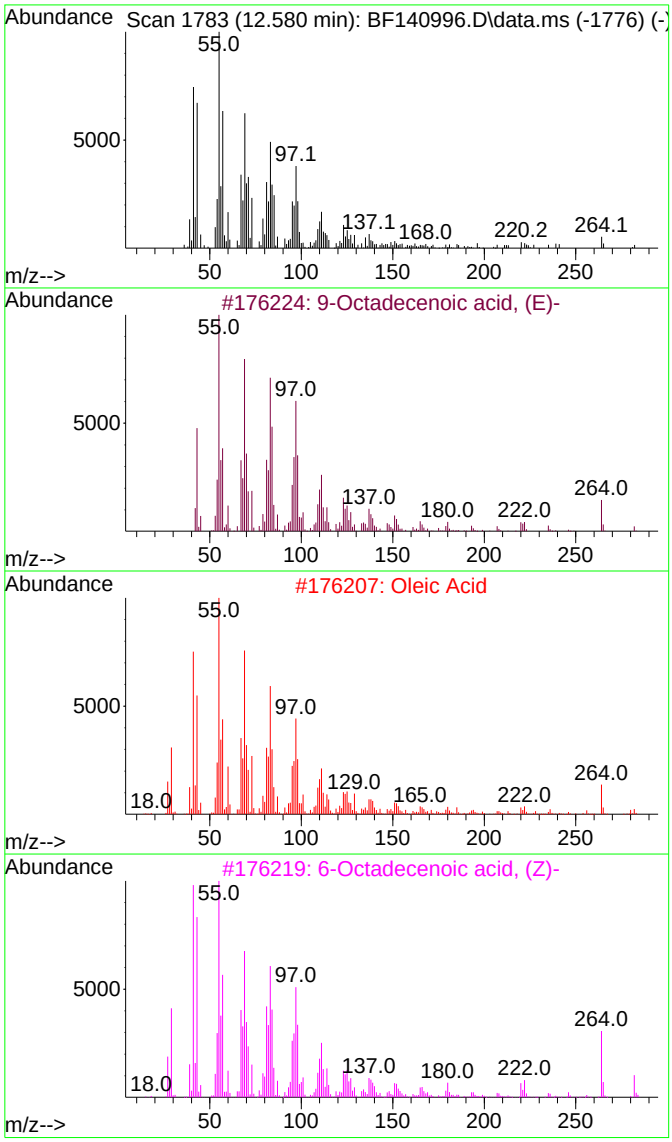
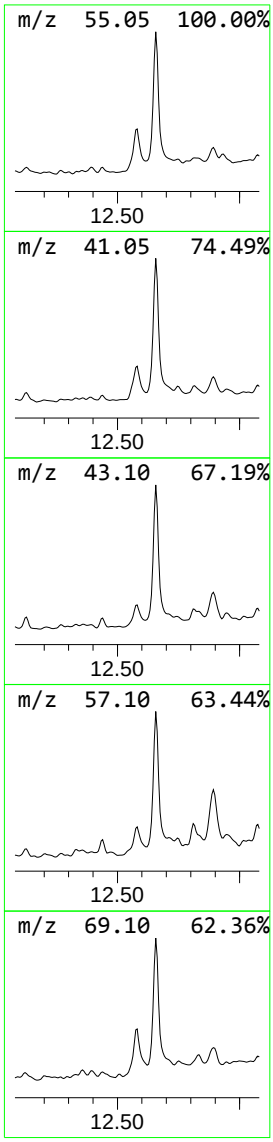
Peak Number 16 9-Octadecenoic acid, (E)- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.580	2.57 ng	284173	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	99
2	Oleic Acid	282	C18H34O2	000112-80-1	99
3	6-Octadecenoic acid, (Z)-	282	C18H34O2	000593-39-5	98
4	6-Octadecenoic acid	282	C18H34O2	1000336-66-8	96
5	trans-13-Octadecenoic acid	282	C18H34O2	000693-71-0	96





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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On    : 27 Dec 2024  15:00
Operator  : RC/JU
Sample    : P5299-04
Misc      :
ALS Vial  : 4   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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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Instrument :
BNA_F
ClientSampleId :
SB-02

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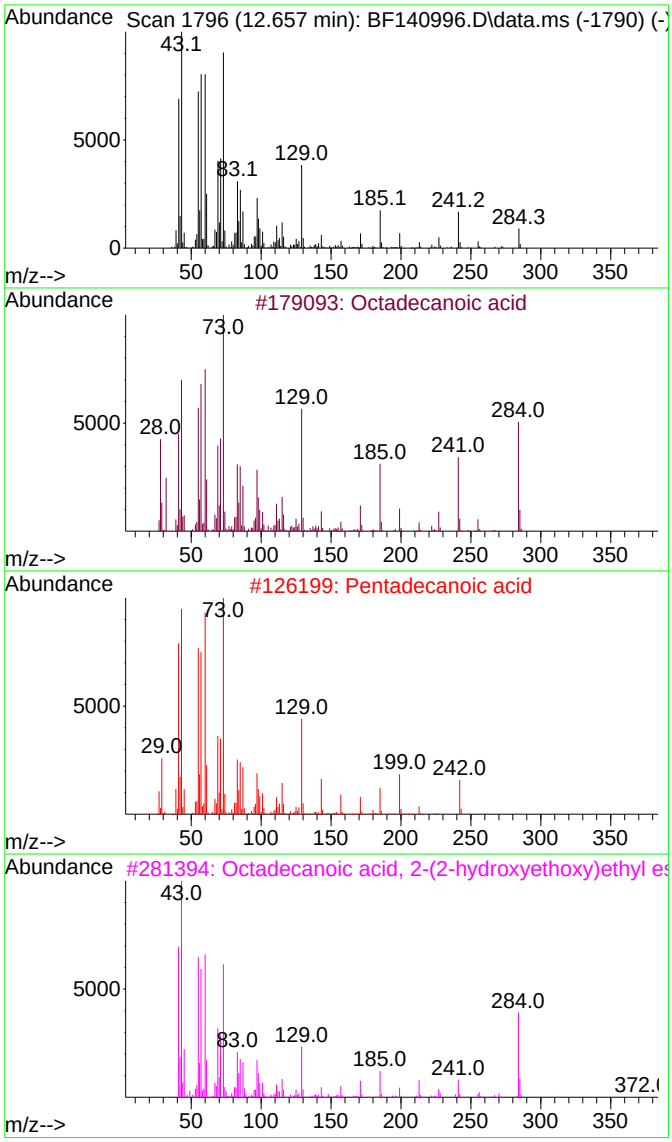
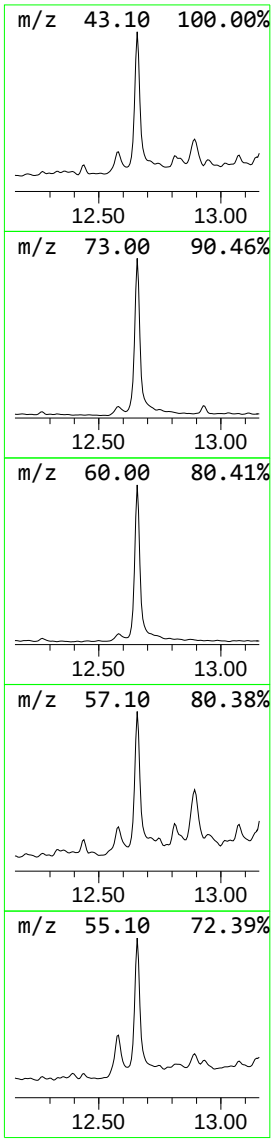
Peak Number 17 Octadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.657	11.61 ng	935364	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	83
4	Tridecanoic acid	214	C13H26O2	000638-53-9	74
5	n-Decanoic acid	172	C10H20O2	000334-48-5	70





Sample Results: **BF140996.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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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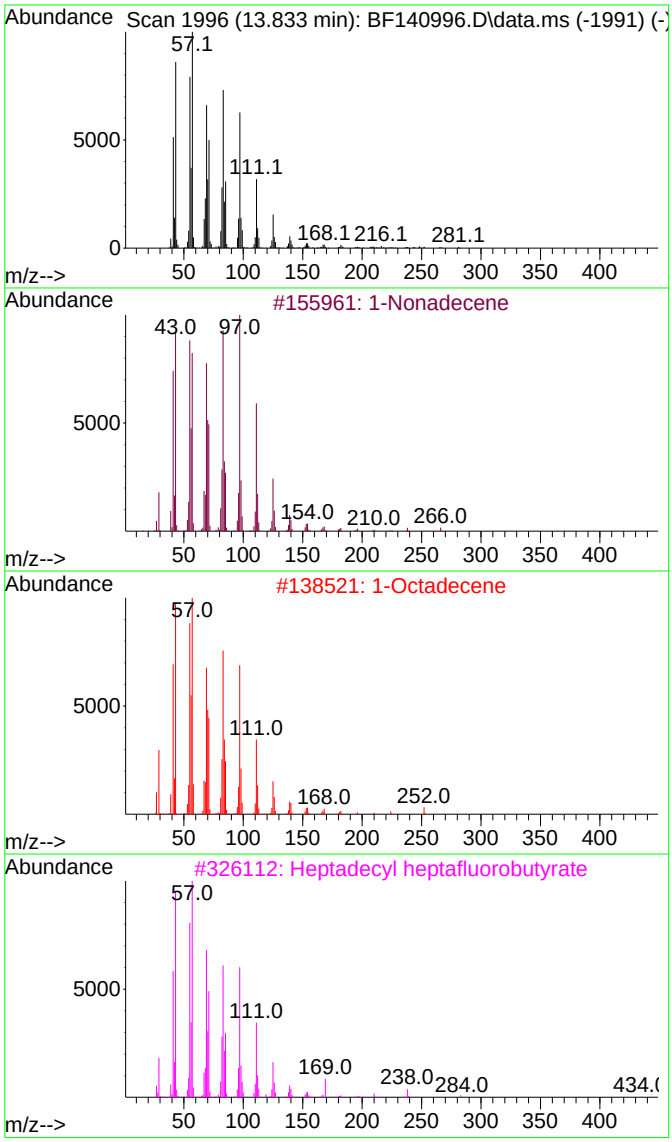
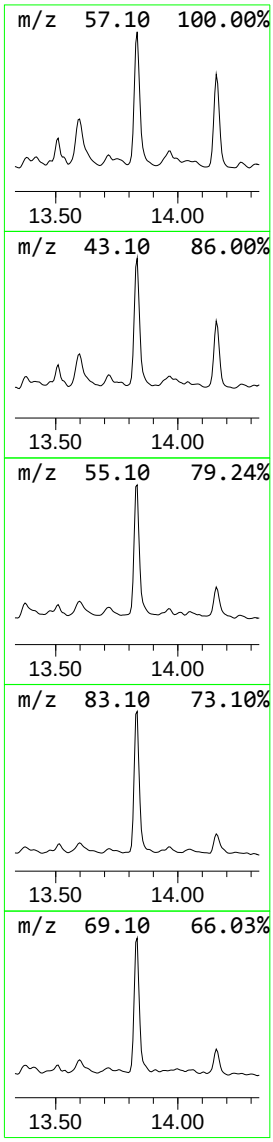
Peak Number 18 1-Nonadecene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.833	10.65 ng	858158	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene	266	C19H38	018435-45-5	97
2	1-Octadecene	252	C18H36	000112-88-9	94
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
4	Octacosanol	410	C28H58O	000557-61-9	94
5	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	94





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Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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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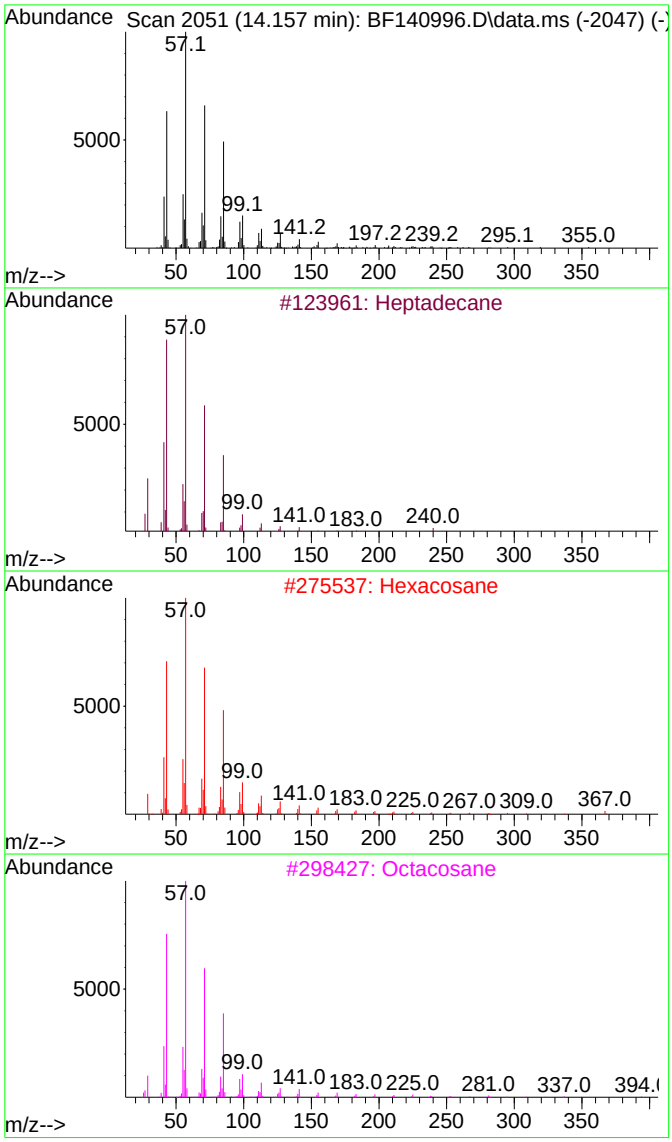
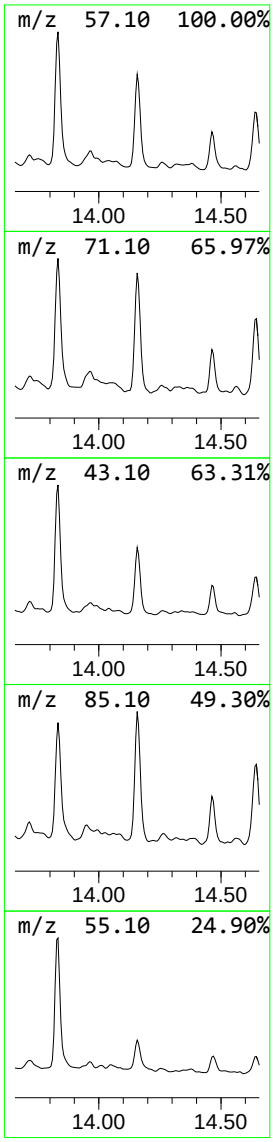
Peak Number 19 Hexacosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.157	4.46 ng	359100	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	94
2	Hexacosane	366	C26H54	000630-01-3	91
3	Octacosane	394	C28H58	000630-02-4	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	Tetracosane	338	C24H50	000646-31-1	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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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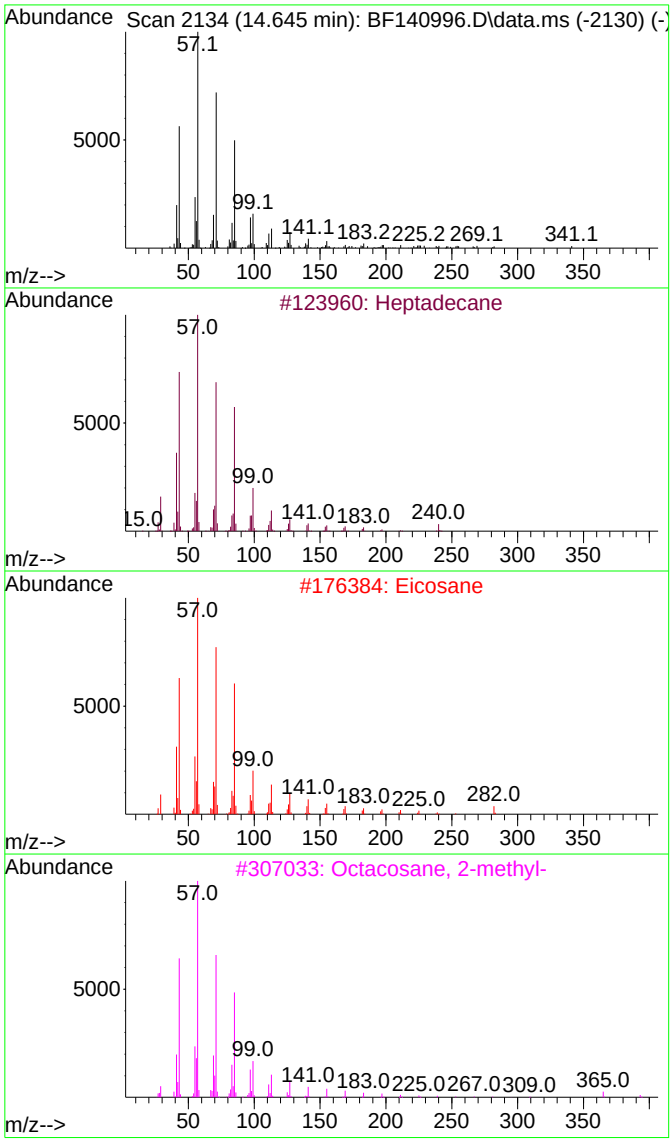
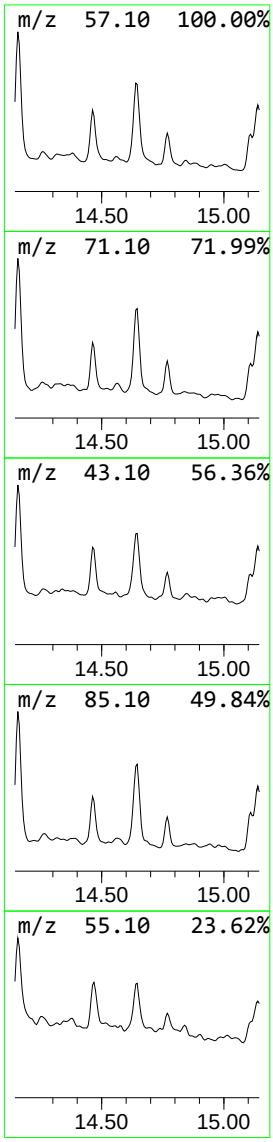
Peak Number 20 Eicosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.645	2.75 ng	221649	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	93
2	Eicosane	282	C20H42	000112-95-8	90
3	Octacosane, 2-methyl-	408	C29H60	001560-98-1	87
4	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	87
5	Tetradecane	198	C14H30	000629-59-4	87





Sample Results: **BF140996.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140996.D
Acq On : 27 Dec 2024 15:00
Operator : RC/JU
Sample : P5299-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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
unknown7.634	7.634	2.7	ng	407277	2	8.104	3007680	20.0
Undecane, 2,6-d...	8.169	3.0	ng	459182	2	8.104	3007680	20.0
Cyclohexane, 1,...	8.398	4.1	ng	620511	2	8.104	3007680	20.0
Nonane, 2,6-dim...	8.528	6.2	ng	932489	2	8.104	3007680	20.0
Tridecane	8.698	10.4	ng	1570350	2	8.104	3007680	20.0
unknown8.987	8.987	3.2	ng	368508	3	9.857	2314360	20.0
Nonadecane, 2-m...	9.063	2.5	ng	286283	3	9.857	2314360	20.0
Dodecane, 2,6,1...	9.128	7.5	ng	866611	3	9.857	2314360	20.0
Tetradecane	9.263	22.1	ng	2553960	3	9.857	2314360	20.0
Tritetracontane	9.581	8.9	ng	1030770	3	9.857	2314360	20.0
Hexadecane	9.792	8.5	ng	979549	3	9.857	2314360	20.0
Heptadecane	10.292	2.6	ng	297044	3	9.857	2314360	20.0
Benzophenone	10.569	8.5	ng	980364	3	9.857	2314360	20.0
n-Hexadecanoic ...	11.875	21.1	ng	2338400	4	11.339	2215410	20.0
trans-Sinapyl a...	12.039	2.7	ng	295585	4	11.339	2215410	20.0
9-Octadecenoic ...	12.580	2.6	ng	284173	4	11.339	2215410	20.0
Octadecanoic acid	12.657	11.6	ng	935364	5	13.974	1610890	20.0
1-Nonadecene	13.833	10.7	ng	858158	5	13.974	1610890	20.0
Hexacosane	14.157	4.5	ng	359100	5	13.974	1610890	20.0
Eicosane	14.645	2.8	ng	221649	5	13.974	1610890	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140943.D
Acq On : 20 Dec 2024 11:41
Operator : RC/JU
Sample : PB165705BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165705BL

Quant Time: Dec 20 12:01:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

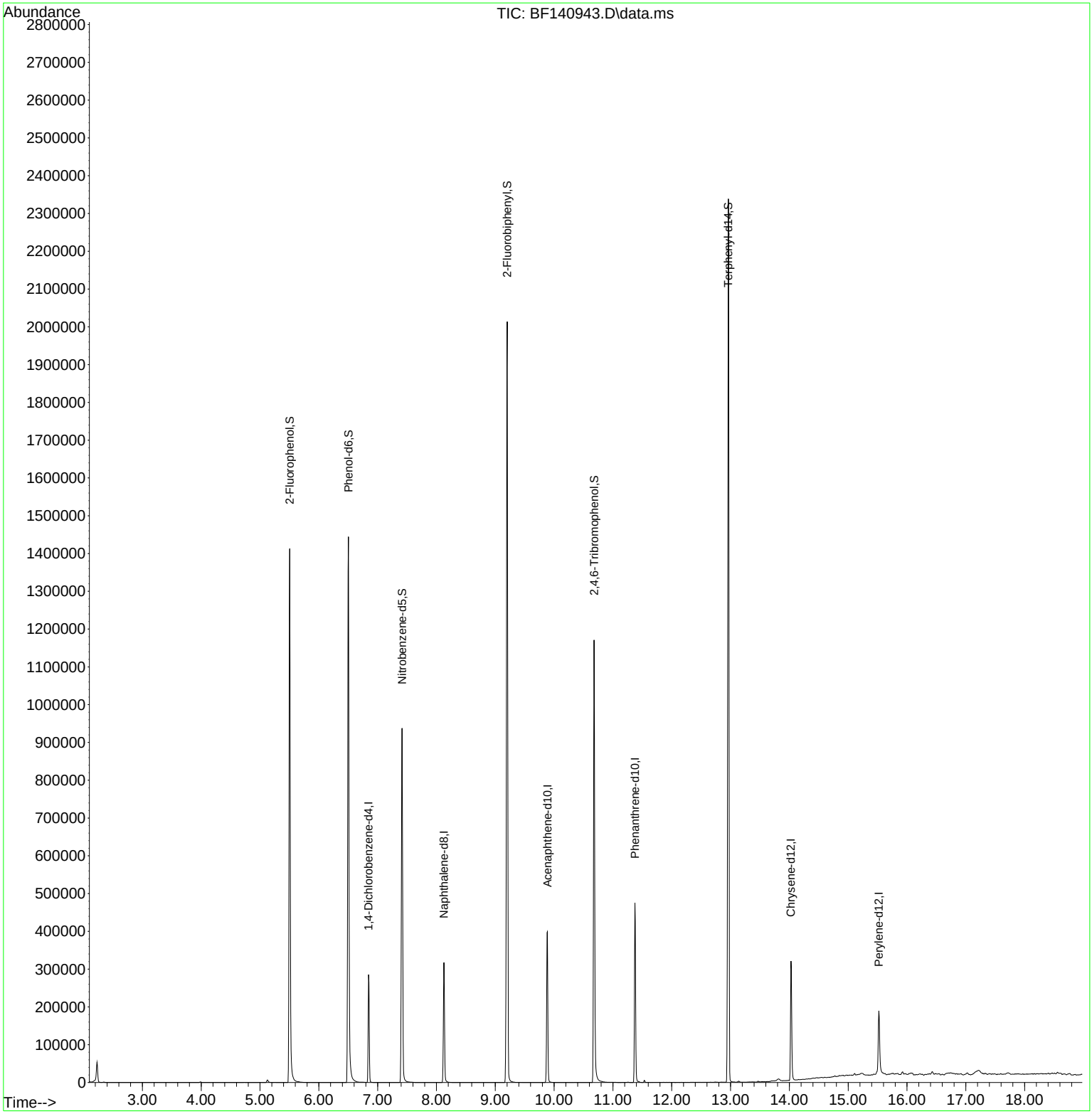
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	64872	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	228592	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	136709	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	270487	20.000	ng	0.00
76) Chrysene-d12	14.027	240	174504	20.000	ng	0.00
86) Perylene-d12	15.521	264	118300	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	590265	149.785	ng	0.02
7) Phenol-d6	6.504	99	799531	153.180	ng	0.00
23) Nitrobenzene-d5	7.416	82	487007	106.589	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	235540	145.676	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1024156	102.997	ng	0.00
79) Terphenyl-d14	12.963	244	1215200	109.809	ng	0.00
Target Compounds						Qvalue

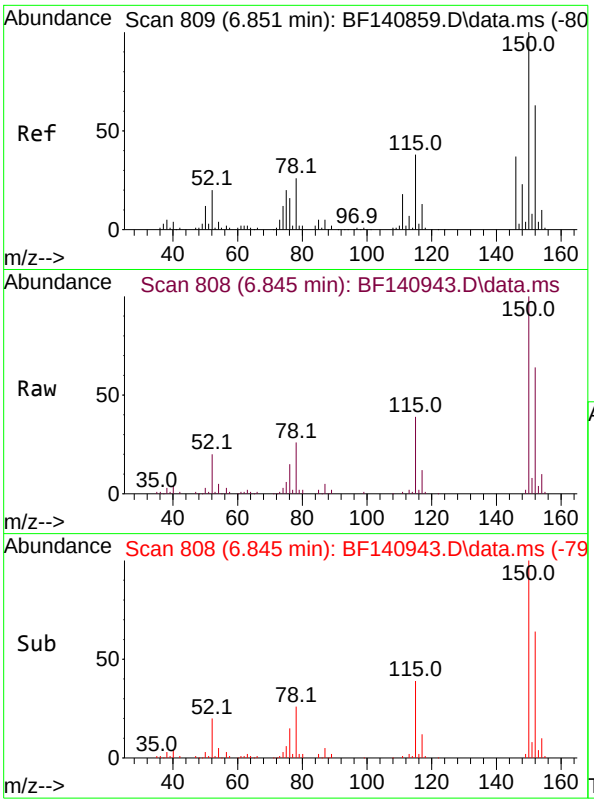
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140943.D
Acq On : 20 Dec 2024 11:41
Operator : RC/JU
Sample : PB165705BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165705BL

Quant Time: Dec 20 12:01:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration



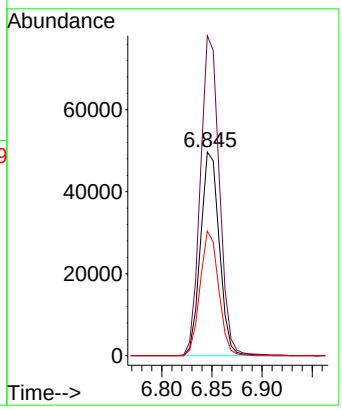


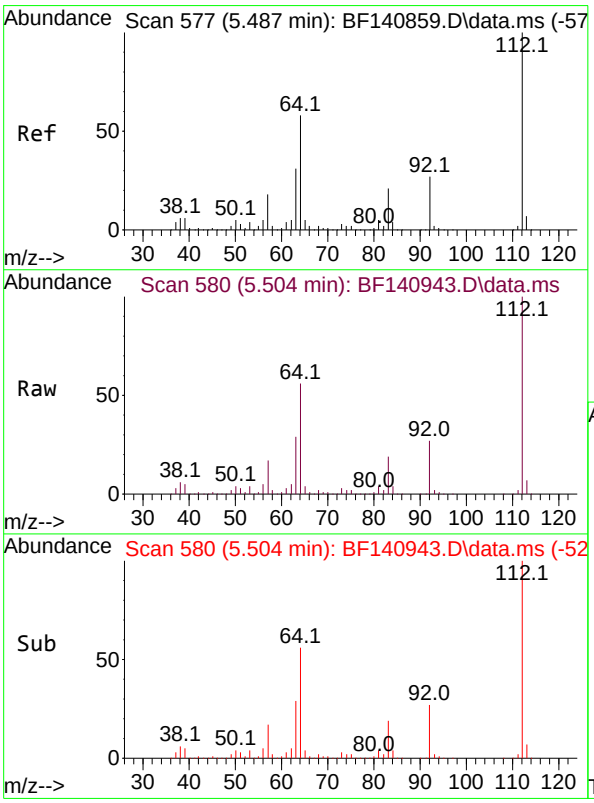
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Instrument :
BNA_F
ClientSampleId :
PB165705BL

Tgt Ion:152 Resp: 64872

Ion	Ratio	Lower	Upper
152	100		
150	157.1	127.9	191.9
115	61.2	48.0	72.0

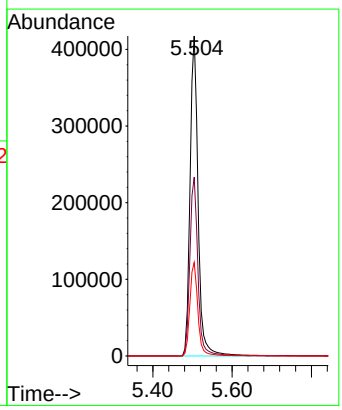


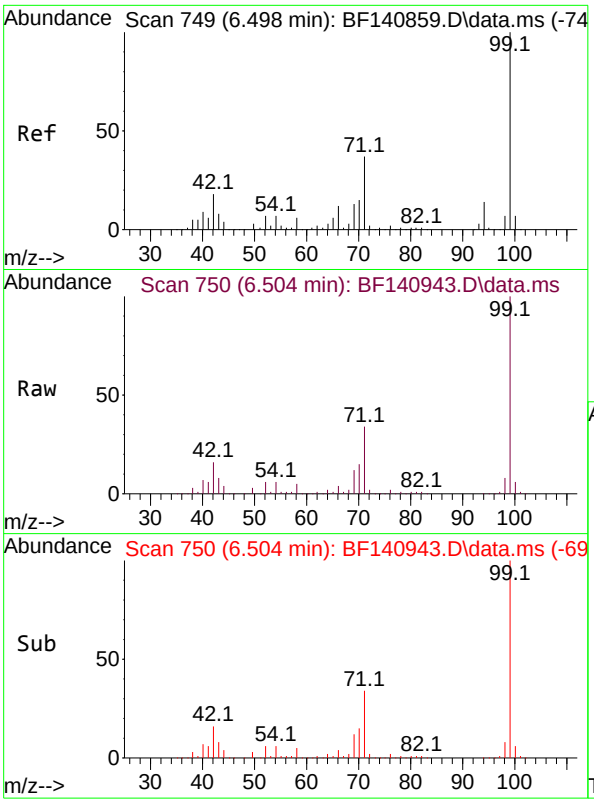


#5
2-Fluorophenol
Concen: 149.785 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Tgt Ion:112 Resp: 590265

Ion	Ratio	Lower	Upper
112	100		
64	55.9	46.1	69.1
63	29.2	24.9	37.3



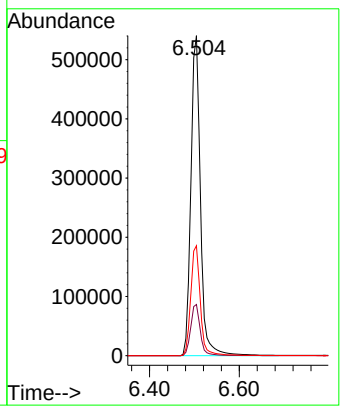


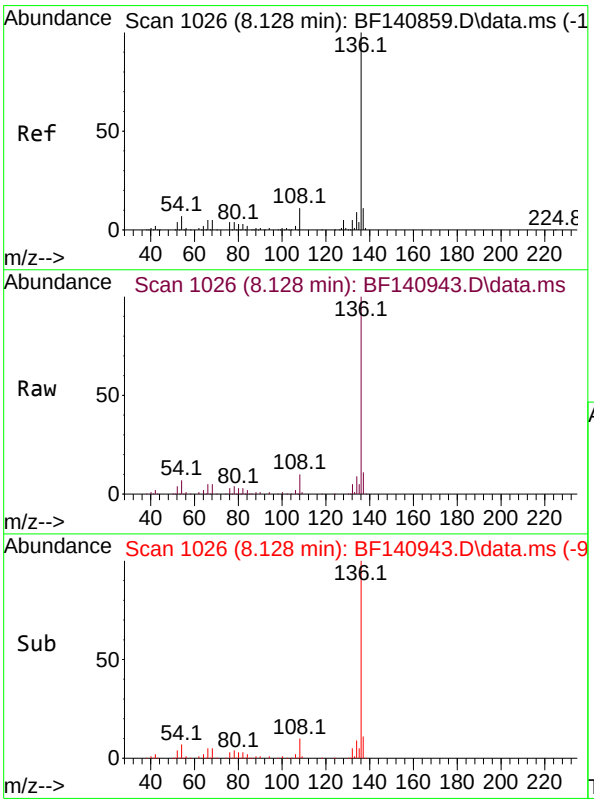
#7
Phenol-d6
Concen: 153.180 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Instrument :
BNA_F
ClientSampleId :
PB165705BL

Tgt Ion: 99 Resp: 799531

Ion	Ratio	Lower	Upper
99	100		
42	16.0	14.3	21.5
71	34.4	29.9	44.9

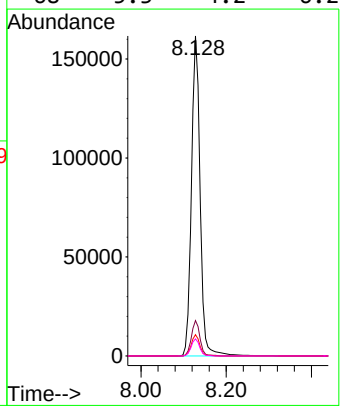


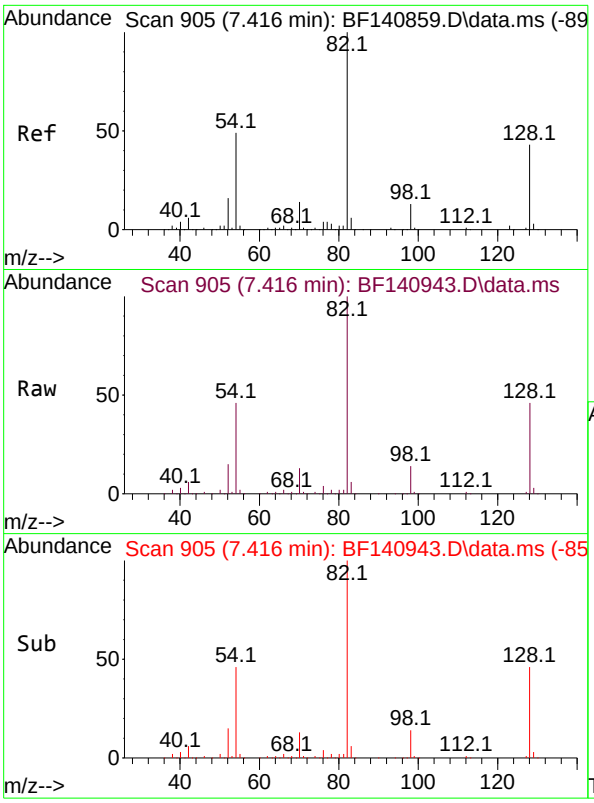


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Tgt Ion:136 Resp: 228592

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	6.6	5.6	8.4
68	5.3	4.2	6.2



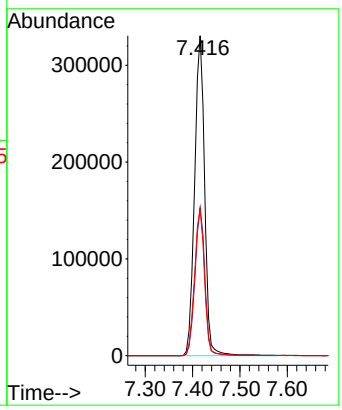


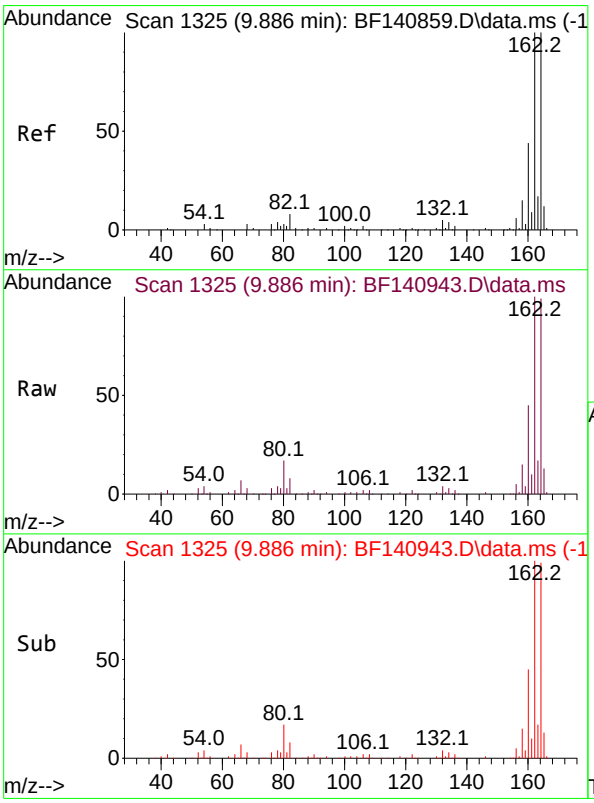
#23
Nitrobenzene-d5
Concen: 106.589 ng
RT: 7.416 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Instrument :
BNA_F
ClientSampleId :
PB165705BL

Tgt Ion: 82 Resp: 487007

Ion	Ratio	Lower	Upper
82	100		
128	46.2	34.4	51.6
54	45.9	38.8	58.2

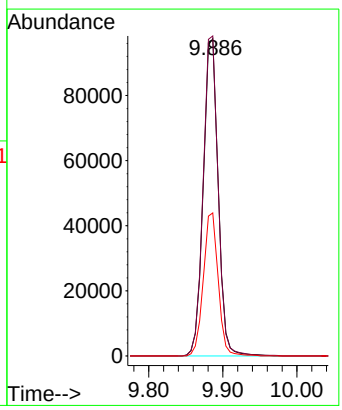


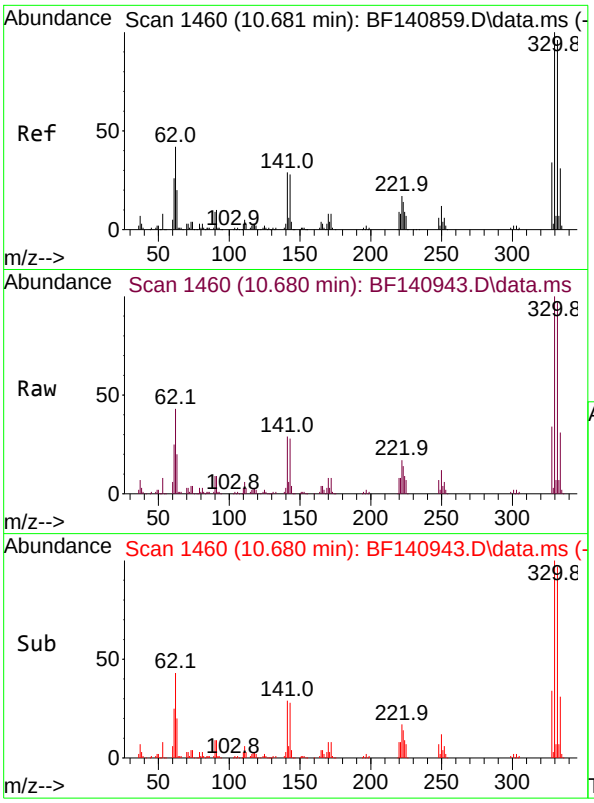


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.000 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Tgt Ion:164 Resp: 136709

Ion	Ratio	Lower	Upper
164	100		
162	100.9	79.9	119.9
160	45.1	35.2	52.8



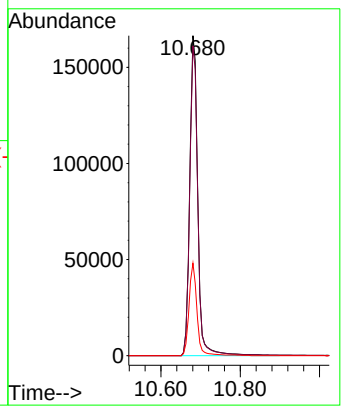


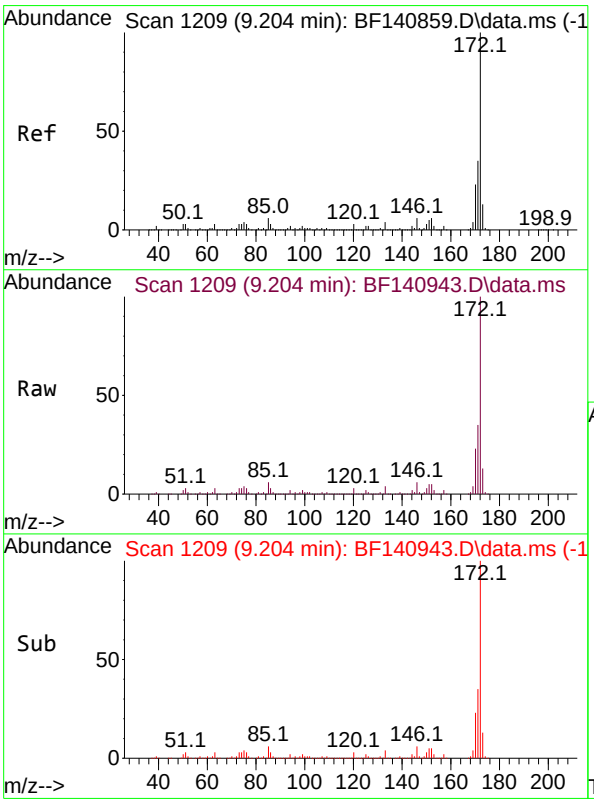
#42
2,4,6-Tribromophenol
Concen: 145.676 ng
RT: 10.680 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Instrument :
BNA_F
ClientSampleId :
PB165705BL

Tgt Ion:330 Resp: 235540

Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.2	114.4
141	28.3	24.9	37.3

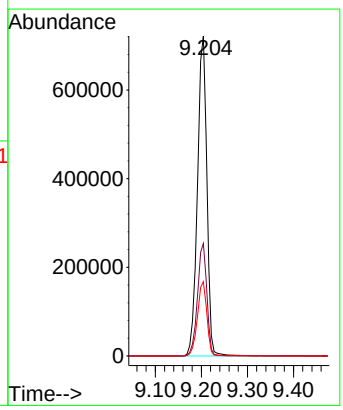


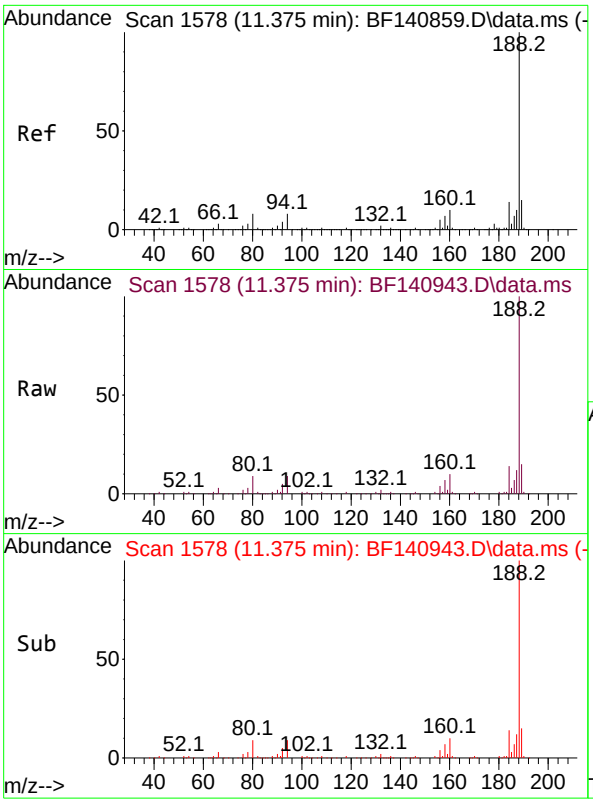


#45
2-Fluorobiphenyl
Concen: 102.997 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Tgt Ion:172 Resp: 1024156

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.4	42.6
170	23.2	18.6	28.0



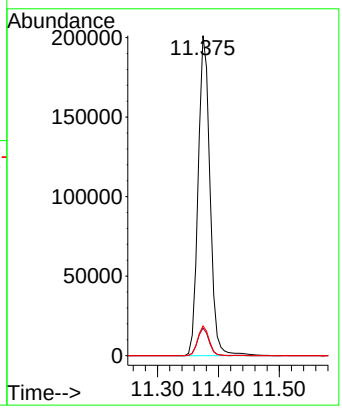


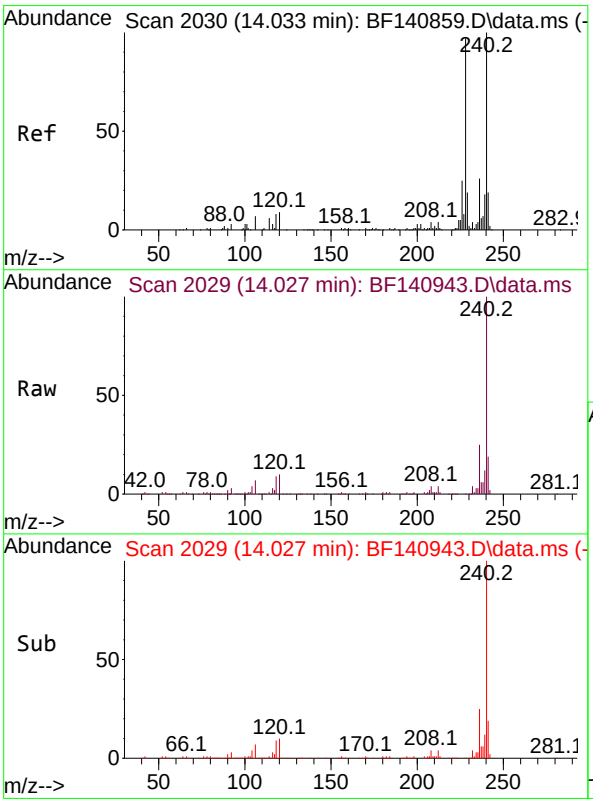
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Instrument :
BNA_F
ClientSampleId :
PB165705BL

Tgt Ion:188 Resp: 270487

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.4	9.6
80	9.3	6.8	10.2

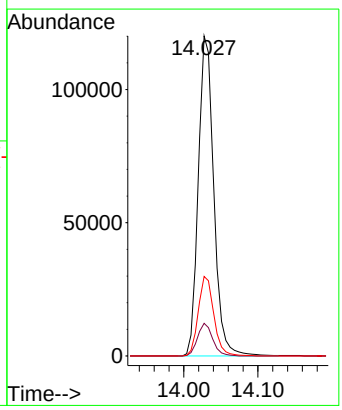


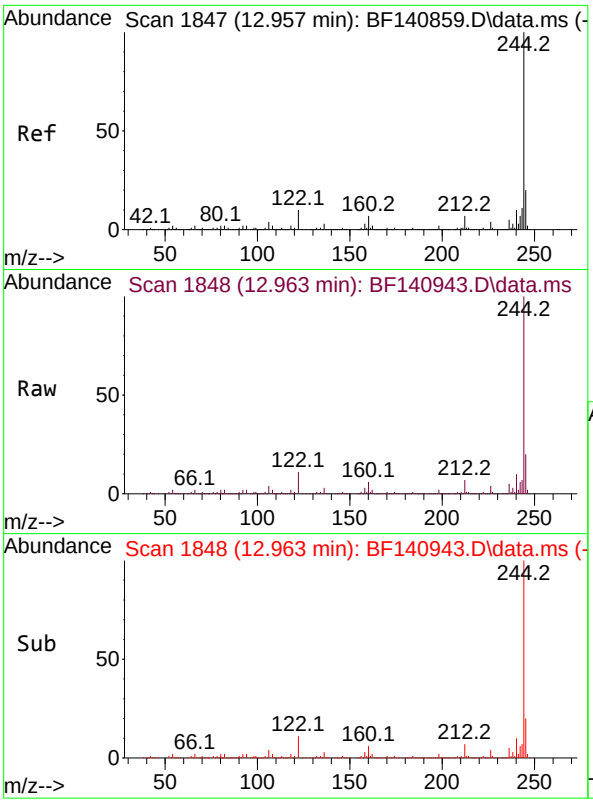


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Tgt Ion:240 Resp: 174504

Ion	Ratio	Lower	Upper
240	100		
120	10.2	7.6	11.4
236	24.9	20.5	30.7



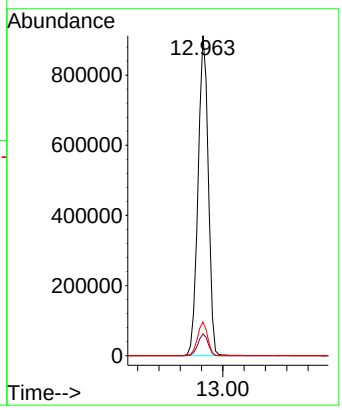


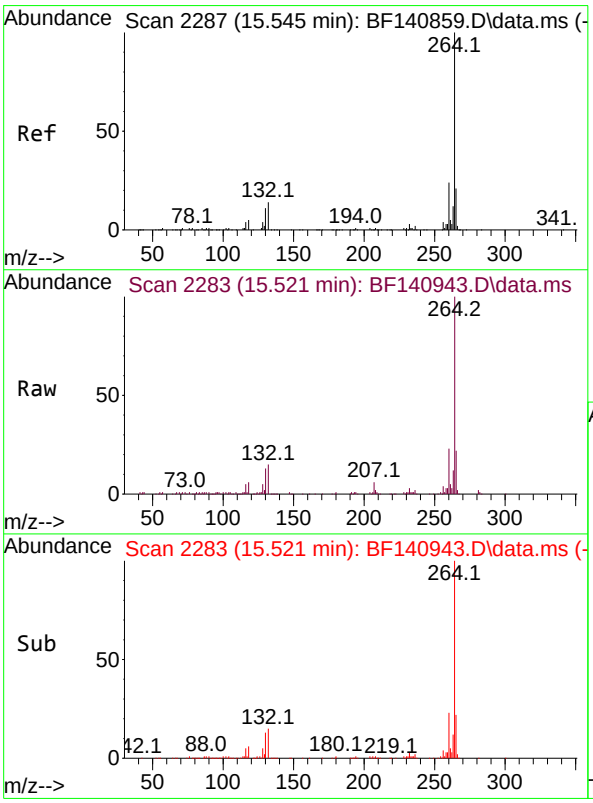
#79
Terphenyl-d14
Concen: 109.809 ng
RT: 12.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Instrument :
BNA_F
ClientSampleId :
PB165705BL

Tgt Ion:244 Resp: 1215200

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.5	8.2	12.2

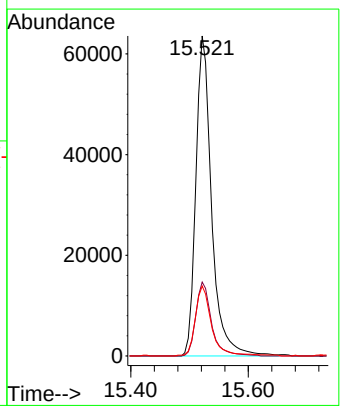




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.024 min
Lab File: BF140943.D
Acq: 20 Dec 2024 11:41

Tgt Ion:264 Resp: 118300

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.1	28.7
265	21.9	17.0	25.4



Sample Results: **BF140943.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140943.D
Acq On : 20 Dec 2024 11:41
Operator : RC/JU
Sample : PB165705BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165705BL

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-BF121624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140943.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.228	9	23	30	rVB	52689	96701	3.14%	0.609%
2	5.504	574	580	604	rBV	1412740	1988158	64.61%	12.512%
3	6.504	744	750	781	rBV	1444394	2147294	69.78%	13.514%
4	6.845	803	808	819	rVB	285048	365709	11.88%	2.302%
5	7.416	898	905	936	rBV	937621	1376428	44.73%	8.662%
6	8.128	1020	1026	1050	rBV	317456	439659	14.29%	2.767%
7	9.204	1201	1209	1228	rBV	2013642	2852691	92.70%	17.953%
8	9.886	1318	1325	1341	rVB	399154	557097	18.10%	3.506%
9	10.680	1454	1460	1498	rBV	1171097	1621374	52.69%	10.204%
10	11.375	1573	1578	1587	rBV	475329	627315	20.39%	3.948%
11	12.963	1842	1848	1853	rBV	2337711	3077256	100.00%	19.366%
12	14.027	2024	2029	2043	rBV	316220	455127	14.79%	2.864%
13	15.521	2278	2283	2294	rVB	164402	284968	9.26%	1.793%

Sum of corrected areas: 15889777

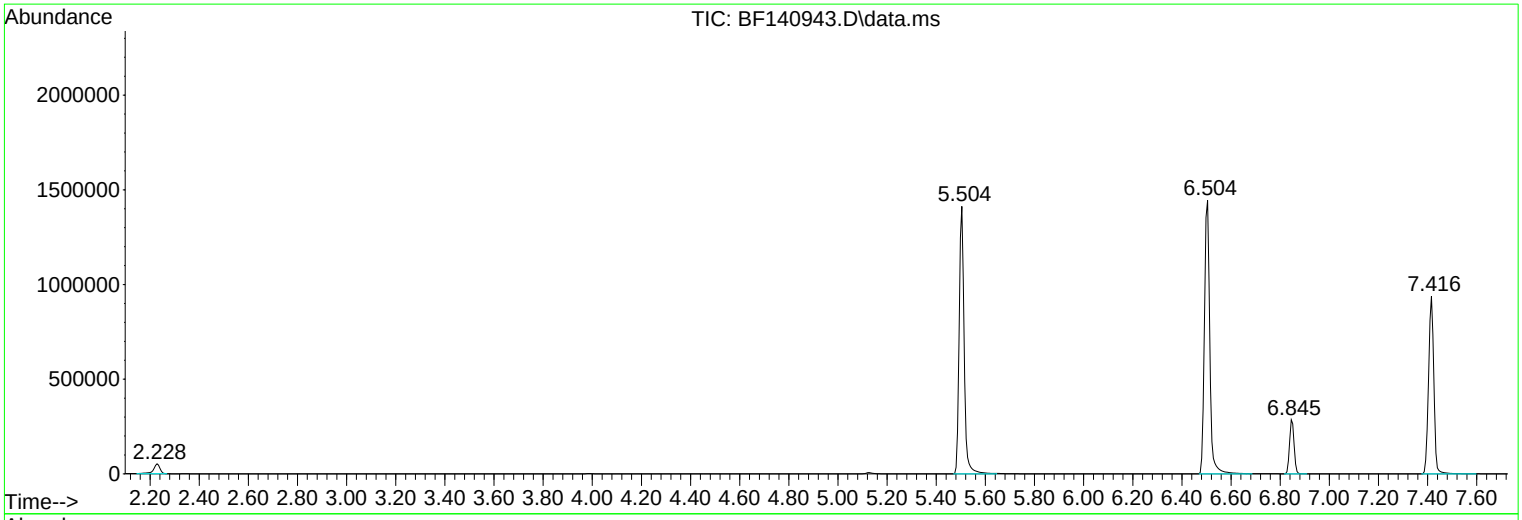
Sample Results: **BF140943.D**

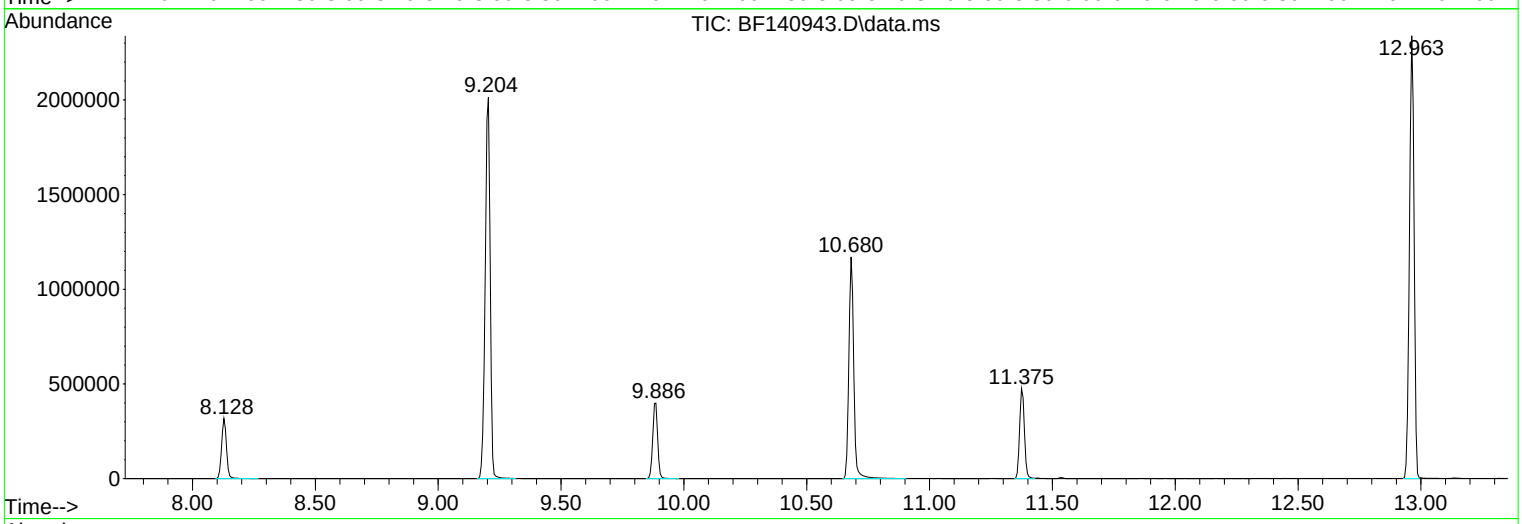
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140943.D
Acq On : 20 Dec 2024 11:41
Operator : RC/JU
Sample : PB165705BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

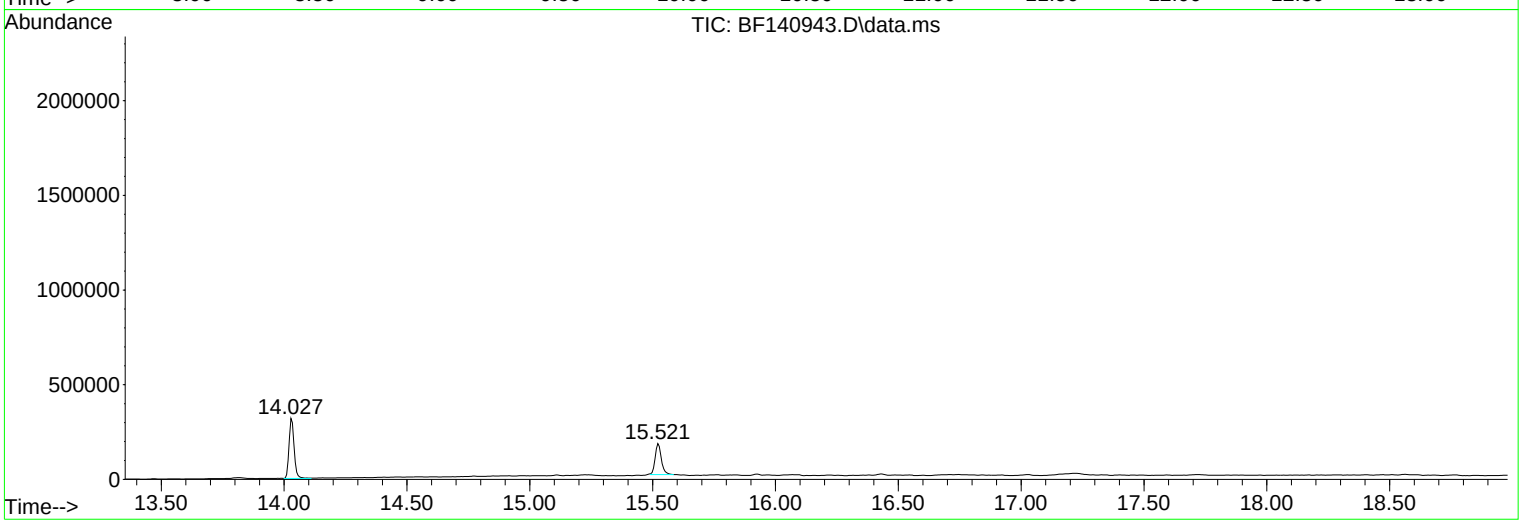
Instrument :
BNA_F
ClientSampleId :
PB165705BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.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\BF122024\
Data File : BF140943.D
Acq On : 20 Dec 2024 11:41
Operator : RC/JU
Sample : PB165705BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165705BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

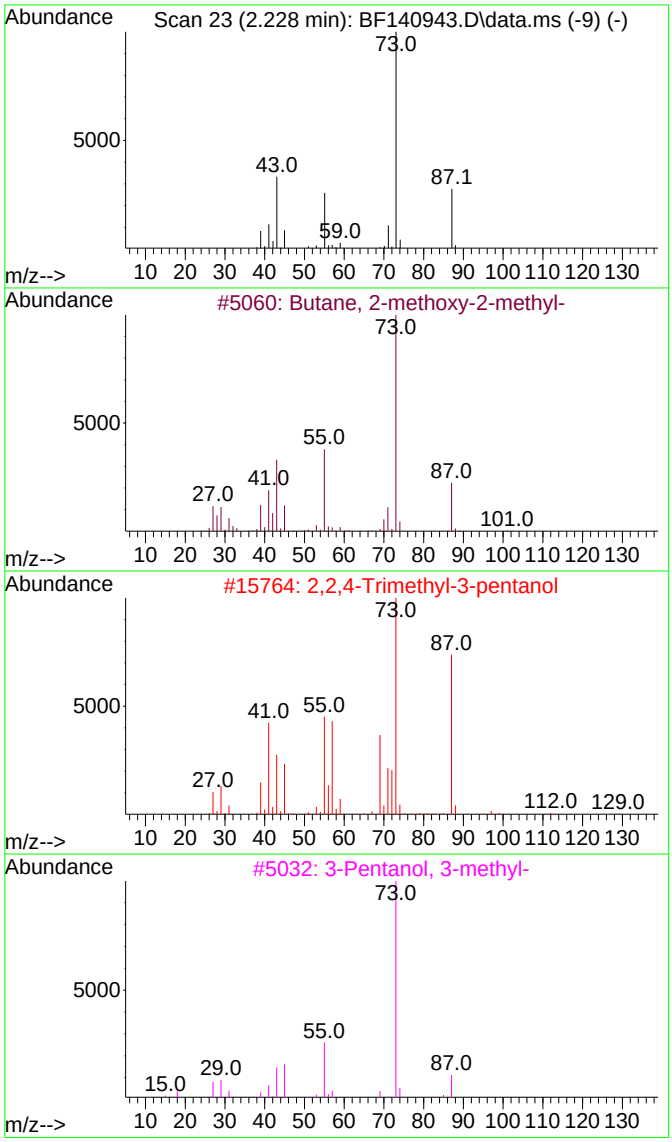
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

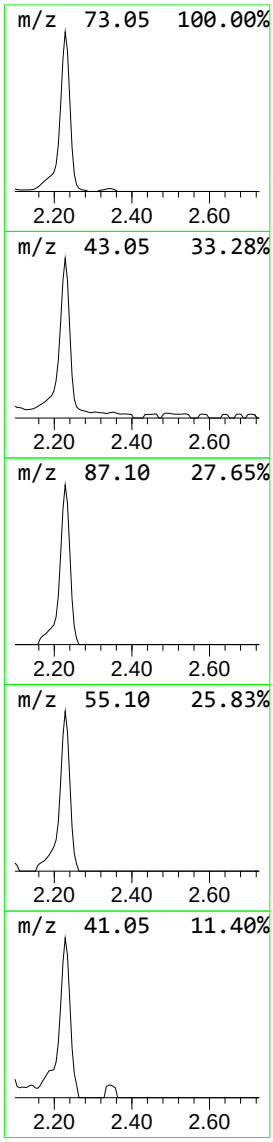
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.228	5.29 ng	96701	1,4-Dichlorobenzene-d4	6.845

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140943.D
Acq On : 20 Dec 2024 11:41
Operator : RC/JU
Sample : PB165705BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165705BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.228	5.3	ng	96701	1	6.845	365709	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140944.D
Acq On : 20 Dec 2024 12:07
Operator : RC/JU
Sample : PB165705BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 20 12:32:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB165705BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.851	152	71247	20.000	ng		0.00
21) Naphthalene-d8	8.128	136	255665	20.000	ng		0.00
39) Acenaphthene-d10	9.886	164	141292	20.000	ng		0.00
64) Phenanthrene-d10	11.380	188	237962	20.000	ng		0.00
76) Chrysene-d12	14.033	240	149220	20.000	ng		0.00
86) Perylene-d12	15.521	264	113763	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	620574	143.386	ng		0.02
7) Phenol-d6	6.510	99	780279	136.115	ng		0.01
23) Nitrobenzene-d5	7.416	82	468127	91.608	ng		0.00
42) 2,4,6-Tribromophenol	10.686	330	225262	134.800	ng		0.00
45) 2-Fluorobiphenyl	9.204	172	1081886	105.274	ng		0.00
79) Terphenyl-d14	12.963	244	1140526	120.524	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.746	88	61392	32.932	ng		99
3) Pyridine	3.522	79	164168	38.026	ng		97
4) n-Nitrosodimethylamine	3.475	42	85503	39.286	ng	#	93
6) Aniline	6.522	93	200558	40.919	ng	#	82
8) 2-Chlorophenol	6.645	128	251463	53.280	ng		98
9) Benzaldehyde	6.410	77	51666	16.266	ng		98
10) Phenol	6.522	94	290791	48.944	ng		96
11) bis(2-Chloroethyl)ether	6.586	93	227090	51.253	ng		98
12) 1,3-Dichlorobenzene	6.786	146	267093	49.664	ng		97
13) 1,4-Dichlorobenzene	6.869	146	268358	49.158	ng		99
14) 1,2-Dichlorobenzene	7.016	146	244910	47.549	ng		99
15) Benzyl Alcohol	7.004	79	202352	49.369	ng		94
16) 2,2'-oxybis(1-Chloropr...	7.116	45	244867	46.913	ng		94
17) 2-Methylphenol	7.122	107	180851	47.995	ng		99
18) Hexachloroethane	7.351	117	87121	42.869	ng		99
19) n-Nitroso-di-n-propyla...	7.263	70	172630	50.203	ng		98
20) 3+4-Methylphenols	7.275	107	254983	51.031	ng	#	84
22) Acetophenone	7.263	105	347847	54.389	ng		94
24) Nitrobenzene	7.439	77	235580	45.000	ng		95
25) Isophorone	7.675	82	424100	49.531	ng		99
26) 2-Nitrophenol	7.751	139	128251	53.191	ng		94
27) 2,4-Dimethylphenol	7.792	122	176373	62.636	ng		99
28) bis(2-Chloroethoxy)met...	7.875	93	265660	49.677	ng		99
29) 2,4-Dichlorophenol	8.004	162	207115	53.277	ng		98
30) 1,2,4-Trichlorobenzene	8.075	180	218640	49.061	ng		98
31) Naphthalene	8.151	128	685399	48.804	ng		99
32) Benzoic acid	7.951	122	85175	31.894	ng		95
33) 4-Chloroaniline	8.210	127	161324	34.586	ng		97
34) Hexachlorobutadiene	8.263	225	140865	46.981	ng		100
35) Caprolactam	8.592	113	57419m	49.612	ng		
36) 4-Chloro-3-methylphenol	8.710	107	201762	46.112	ng		97
37) 2-Methylnaphthalene	8.845	142	464695	50.021	ng		99
38) 1-Methylnaphthalene	8.945	142	438727	47.751	ng		100
40) 1,2,4,5-Tetrachloroben...	9.010	216	234321	53.956	ng		99
41) Hexachlorocyclopentadiene	8.992	237	96370	68.569	ng		99
43) 2,4,6-Trichlorophenol	9.133	196	133695	50.276	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140944.D
Acq On : 20 Dec 2024 12:07
Operator : RC/JU
Sample : PB165705BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 20 12:32:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB165705BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	143227	49.003	ng	98
46) 1,1'-Biphenyl	9.310	154	552413	49.168	ng	100
47) 2-Chloronaphthalene	9.333	162	417659	48.592	ng	100
48) 2-Nitroaniline	9.439	65	121577	46.835	ng	93
49) Acenaphthylene	9.751	152	681698	53.969	ng	99
50) Dimethylphthalate	9.610	163	496054	49.797	ng	100
51) 2,6-Dinitrotoluene	9.680	165	108898	47.820	ng	97
52) Acenaphthene	9.922	154	430468	53.351	ng	99
53) 3-Nitroaniline	9.857	138	77254	34.184	ng	95
54) 2,4-Dinitrophenol	9.980	184	81264	73.697	ng	90
55) Dibenzofuran	10.092	168	623949	49.905	ng	99
56) 4-Nitrophenol	10.051	139	87740	72.611	ng	94
57) 2,4-Dinitrotoluene	10.092	165	144968	48.383	ng	99
58) Fluorene	10.439	166	477180	46.262	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.227	232	127554	53.557	ng	95
60) Diethylphthalate	10.310	149	534197	51.715	ng	99
61) 4-Chlorophenyl-phenyle...	10.427	204	243755	47.046	ng	95
62) 4-Nitroaniline	10.480	138	101945m	43.167	ng	
63) Azobenzene	10.586	77	431430	44.427	ng	96
65) 4,6-Dinitro-2-methylph...	10.510	198	66725	49.484	ng	96
66) n-Nitrosodiphenylamine	10.551	169	414949	56.716	ng	99
67) 4-Bromophenyl-phenylether	10.916	248	146442	55.009	ng	97
68) Hexachlorobenzene	10.992	284	165233	54.744	ng	98
69) Atrazine	11.080	200	134695	65.919	ng	98
70) Pentachlorophenol	11.198	266	94695	85.812	ng	99
71) Phenanthrene	11.404	178	701422	57.320	ng	99
72) Anthracene	11.457	178	725617	60.212	ng	100
73) Carbazole	11.616	167	673948	57.096	ng	100
74) Di-n-butylphthalate	11.927	149	763567	55.119	ng	100
75) Fluoranthene	12.598	202	786570	55.813	ng	99
77) Benzidine	12.721	184	155983	51.217	ng	100
78) Pyrene	12.827	202	758712	57.177	ng	100
80) Butylbenzylphthalate	13.433	149	297455	60.922	ng	96
81) Benzo(a)anthracene	14.021	228	557901	52.753	ng	99
82) 3,3'-Dichlorobenzidine	13.980	252	102996	32.279	ng	98
83) Chrysene	14.057	228	508492	52.875	ng	99
84) Bis(2-ethylhexyl)phtha...	13.986	149	339592	53.941	ng	100
85) Di-n-octyl phthalate	14.604	149	455909	47.866	ng	98
87) Indeno(1,2,3-cd)pyrene	17.039	276	463336	65.266	ng	100
88) Benzo(b)fluoranthene	15.086	252	417172	52.828	ng	100
89) Benzo(k)fluoranthene	15.109	252	360481	53.216	ng	99
90) Benzo(a)pyrene	15.456	252	359761	58.181	ng	99
91) Dibenzo(a,h)anthracene	17.039	278	377716	64.223	ng	99
92) Benzo(g,h,i)perylene	17.492	276	379421	63.386	ng	98

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

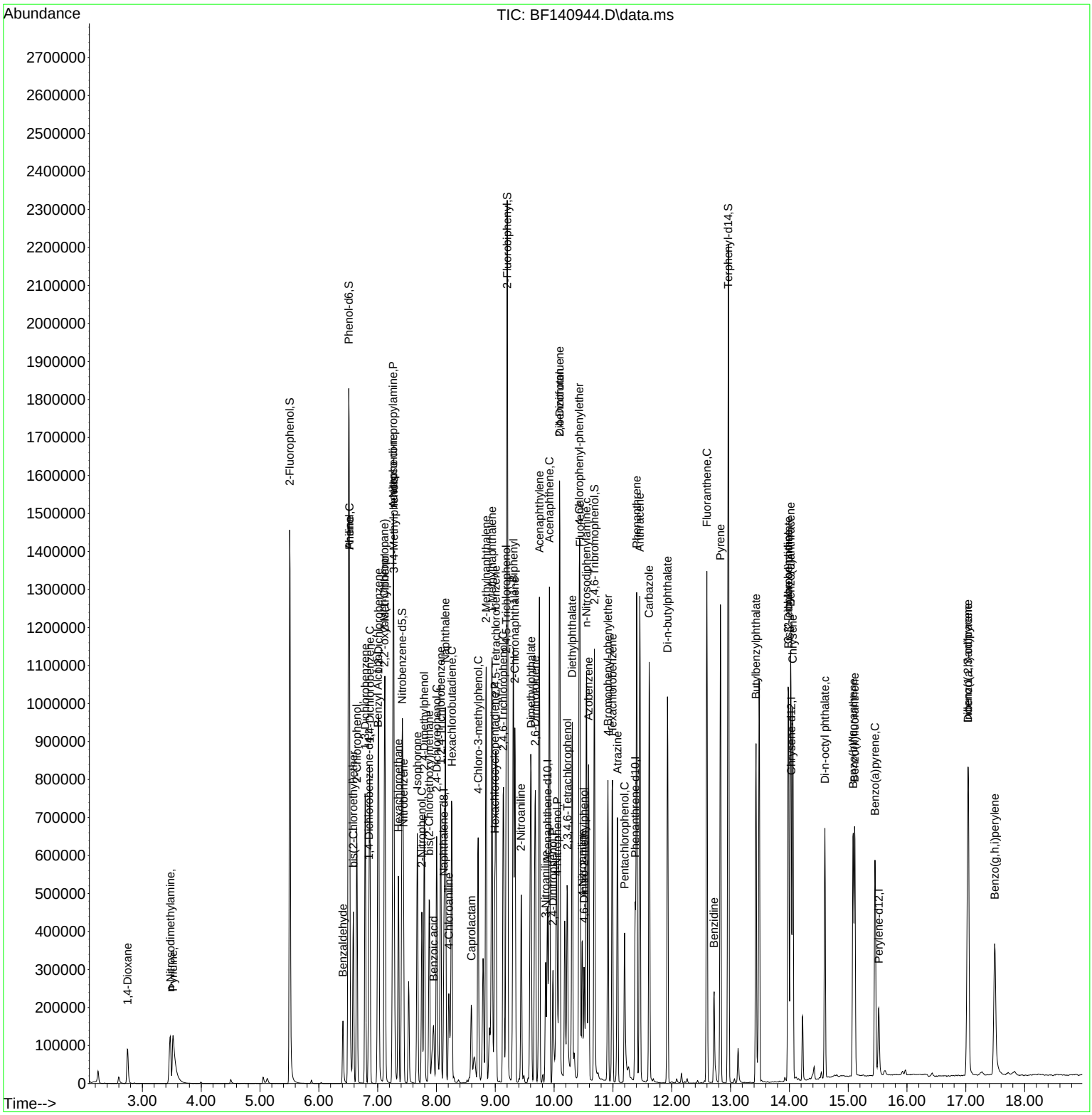
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140944.D
Acq On : 20 Dec 2024 12:07
Operator : RC/JU
Sample : PB165705BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 20 12:32:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB165705BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140948.D
Acq On : 20 Dec 2024 14:10
Operator : RC/JU
Sample : P5306-09MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 20 14:38:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.851	152	55385	20.000	ng		0.00
21) Naphthalene-d8	8.128	136	209218	20.000	ng		0.00
39) Acenaphthene-d10	9.886	164	115521	20.000	ng		0.00
64) Phenanthrene-d10	11.380	188	219277	20.000	ng		0.00
76) Chrysene-d12	14.033	240	133308	20.000	ng		0.00
86) Perylene-d12	15.521	264	114231	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	442109	131.406	ng		0.01
7) Phenol-d6	6.504	99	599050	134.430	ng		0.00
23) Nitrobenzene-d5	7.416	82	372228	89.012	ng		0.00
42) 2,4,6-Tribromophenol	10.686	330	167201	122.376	ng		0.00
45) 2-Fluorobiphenyl	9.204	172	705412	83.953	ng		0.00
79) Terphenyl-d14	12.963	244	769721	91.048	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.710	88	57898	39.952	ng		98
3) Pyridine	3.487	79	147343	43.903	ng		98
4) n-Nitrosodimethylamine	3.440	42	73891	43.674	ng		95
6) Aniline	6.516	93	152345	39.984	ng	#	72
8) 2-Chlorophenol	6.645	128	202633	55.230	ng		99
9) Benzaldehyde	6.410	77	38178	15.462	ng		92
10) Phenol	6.516	94	259118	56.104	ng		97
11) bis(2-Chloroethyl)ether	6.587	93	180043	52.272	ng		99
12) 1,3-Dichlorobenzene	6.787	146	210487	50.348	ng		98
13) 1,4-Dichlorobenzene	6.869	146	216818	51.092	ng		98
14) 1,2-Dichlorobenzene	7.016	146	203761	50.890	ng		99
15) Benzyl Alcohol	7.004	79	175492	55.078	ng		94
16) 2,2'-oxybis(1-Chloropr...	7.116	45	208259	51.327	ng		91
17) 2-Methylphenol	7.122	107	160183	54.685	ng		99
18) Hexachloroethane	7.351	117	77377	48.978	ng		97
19) n-Nitroso-di-n-propyla...	7.263	70	140269	52.475	ng		97
20) 3+4-Methylphenols	7.275	107	218873	56.350	ng	#	80
22) Acetophenone	7.263	105	281478	53.782	ng		94
24) Nitrobenzene	7.440	77	213867	49.921	ng		95
25) Isophorone	7.675	82	358474	51.161	ng		99
26) 2-Nitrophenol	7.751	139	110125	55.813	ng		95
27) 2,4-Dimethylphenol	7.792	122	151216	65.624	ng		99
28) bis(2-Chloroethoxy)met...	7.875	93	221616	50.641	ng		99
29) 2,4-Dichlorophenol	8.004	162	170278	53.525	ng		99
30) 1,2,4-Trichlorobenzene	8.075	180	174689	47.901	ng		99
31) Naphthalene	8.151	128	576356	50.150	ng		100
32) Benzoic acid	7.945	122	79916	36.568	ng		95
33) 4-Chloroaniline	8.210	127	86711	22.717	ng		98
34) Hexachlorobutadiene	8.263	225	112396	45.808	ng		99
35) Caprolactam	8.592	113	52938m	55.895	ng		
36) 4-Chloro-3-methylphenol	8.704	107	176282	49.233	ng		100
37) 2-Methylnaphthalene	8.845	142	369738	48.635	ng		100
38) 1-Methylnaphthalene	8.945	142	347475	46.215	ng		100
40) 1,2,4,5-Tetrachloroben...	9.010	216	184825	52.053	ng		99
41) Hexachlorocyclopentadiene	8.992	237	34644	40.992	ng		98
43) 2,4,6-Trichlorophenol	9.134	196	110805	50.964	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140948.D
Acq On : 20 Dec 2024 14:10
Operator : RC/JU
Sample : P5306-09MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 20 14:38:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.187	196	117901	49.337	ng	99
46) 1,1'-Biphenyl	9.304	154	472666	51.455	ng	99
47) 2-Chloronaphthalene	9.334	162	352165	50.113	ng	99
48) 2-Nitroaniline	9.439	65	109079	51.395	ng	94
49) Acenaphthylene	9.751	152	576620	55.834	ng	99
50) Dimethylphthalate	9.604	163	409034	50.222	ng	100
51) 2,6-Dinitrotoluene	9.681	165	92478	49.668	ng	94
52) Acenaphthene	9.922	154	351200	53.237	ng	99
53) 3-Nitroaniline	9.857	138	55538	30.057	ng	94
54) 2,4-Dinitrophenol	9.981	184	87671	95.155	ng	90
55) Dibenzofuran	10.092	168	537457	52.577	ng	99
56) 4-Nitrophenol	10.045	139	83327	83.625	ng	98
57) 2,4-Dinitrotoluene	10.092	165	127795	52.166	ng	98
58) Fluorene	10.439	166	428757	50.841	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.222	232	101786	52.272	ng	92
60) Diethylphthalate	10.304	149	405299	47.990	ng	99
61) 4-Chlorophenyl-phenyle...	10.422	204	212840	50.243	ng	96
62) 4-Nitroaniline	10.475	138	98375m	50.949	ng	
63) Azobenzene	10.586	77	429196	54.056	ng	94
65) 4,6-Dinitro-2-methylph...	10.510	198	70374	56.637	ng	94
66) n-Nitrosodiphenylamine	10.545	169	372378	55.234	ng	100
67) 4-Bromophenyl-phenylether	10.916	248	124883	50.908	ng	97
68) Hexachlorobenzene	10.986	284	138231	49.700	ng	98
69) Atrazine	11.075	200	116856	62.062	ng	99
70) Pentachlorophenol	11.198	266	78972	77.662	ng	98
71) Phenanthrene	11.404	178	628319	55.721	ng	99
72) Anthracene	11.457	178	597017	53.762	ng	100
73) Carbazole	11.616	167	569460	52.355	ng	99
74) Di-n-butylphthalate	11.928	149	638255	49.999	ng	99
75) Fluoranthene	12.598	202	637105	49.060	ng	100
77) Benzidine	12.722	184	125211	46.021	ng	99
78) Pyrene	12.827	202	665883	56.171	ng	99
80) Butylbenzylphthalate	13.433	149	231762	53.133	ng	96
81) Benzo(a)anthracene	14.021	228	492886	52.168	ng	99
82) 3,3'-Dichlorobenzidine	13.980	252	81414	28.561	ng	97
83) Chrysene	14.057	228	441907	51.436	ng	99
84) Bis(2-ethylhexyl)phtha...	13.986	149	267856	47.624	ng	99
85) Di-n-octyl phthalate	14.604	149	365090	42.906	ng	98
87) Indeno(1,2,3-cd)pyrene	17.039	276	474317	66.539	ng	99
88) Benzo(b)fluoranthene	15.086	252	381086	48.060	ng	100
89) Benzo(k)fluoranthene	15.116	252	373879	54.968	ng	100
90) Benzo(a)pyrene	15.457	252	355872	57.316	ng	99
91) Dibenzo(a,h)anthracene	17.039	278	390092	66.055	ng	99
92) Benzo(g,h,i)perylene	17.498	276	373367	62.119	ng	99

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

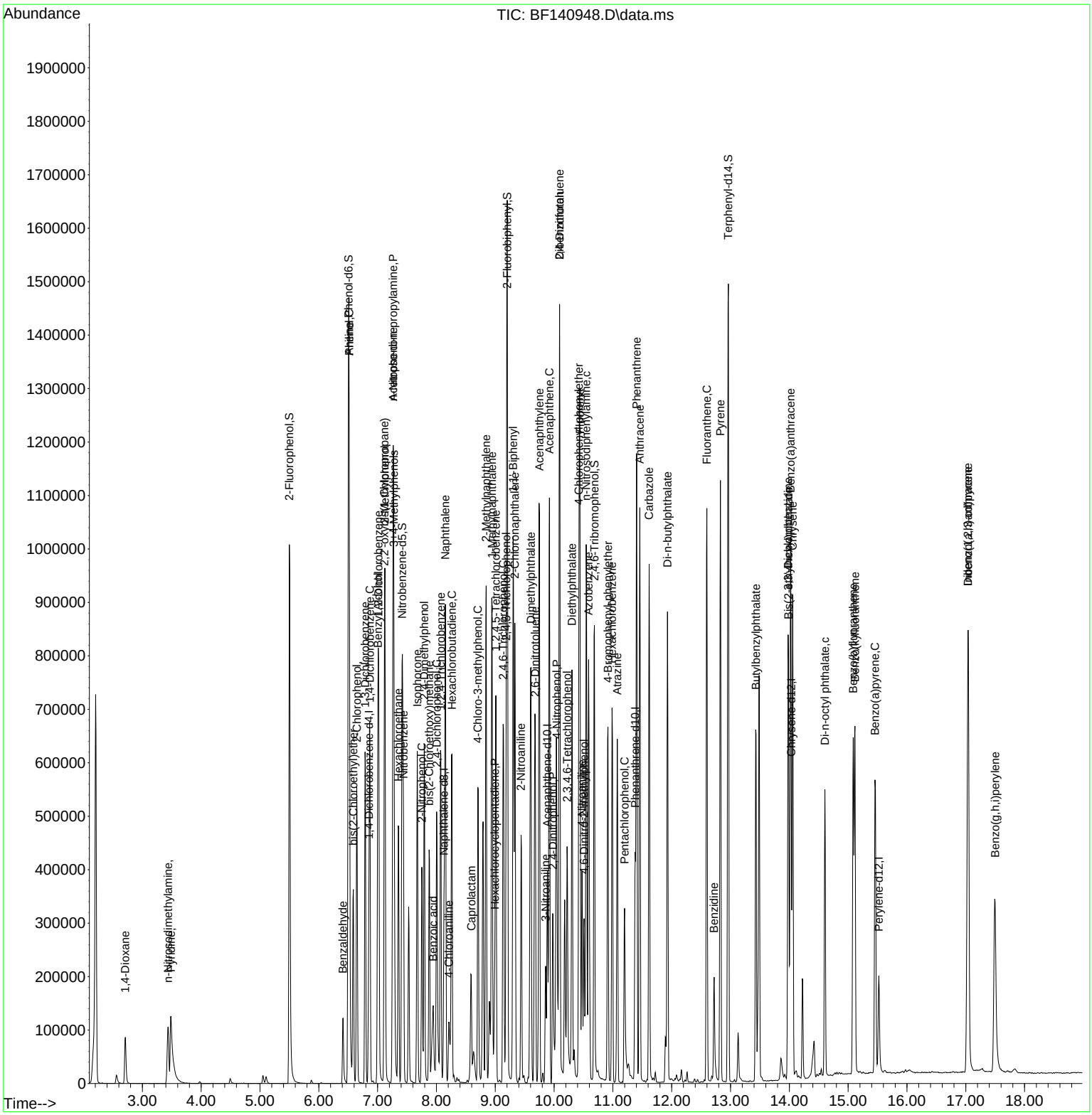
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140948.D
Acq On : 20 Dec 2024 14:10
Operator : RC/JU
Sample : P5306-09MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 20 14:38:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140949.D
Acq On : 20 Dec 2024 14:36
Operator : RC/JU
Sample : P5306-09MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 20 15:07:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.851	152	45949	20.000	ng		0.00
21) Naphthalene-d8	8.128	136	175670	20.000	ng		0.00
39) Acenaphthene-d10	9.886	164	102157	20.000	ng		0.00
64) Phenanthrene-d10	11.380	188	188148	20.000	ng		0.00
76) Chrysene-d12	14.045	240	131096	20.000	ng		0.01
86) Perylene-d12	15.562	264	113765	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	397303	142.339	ng		0.01
7) Phenol-d6	6.504	99	518890	140.353	ng		0.00
23) Nitrobenzene-d5	7.416	82	315005	89.714	ng		0.00
42) 2,4,6-Tribromophenol	10.686	330	162262	134.298	ng		0.00
45) 2-Fluorobiphenyl	9.204	172	644674	86.762	ng		0.00
79) Terphenyl-d14	12.963	244	767138	92.274	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.710	88	57585	47.896	ng		98
3) Pyridine	3.481	79	136795	49.130	ng		99
4) n-Nitrosodimethylamine	3.434	42	71728	51.102	ng		96
6) Aniline	6.516	93	130848	41.394	ng	#	70
8) 2-Chlorophenol	6.645	128	172137	56.552	ng		99
9) Benzaldehyde	6.410	77	33958	16.577	ng		99
10) Phenol	6.516	94	224652	58.630	ng		98
11) bis(2-Chloroethyl)ether	6.587	93	152512	53.372	ng		98
12) 1,3-Dichlorobenzene	6.786	146	181700	52.387	ng		97
13) 1,4-Dichlorobenzene	6.869	146	185568	52.708	ng		99
14) 1,2-Dichlorobenzene	7.016	146	176510	53.137	ng		99
15) Benzyl Alcohol	7.004	79	151766	57.414	ng		95
16) 2,2'-oxybis(1-Chloropr...	7.116	45	177636	52.770	ng		91
17) 2-Methylphenol	7.122	107	138692	57.071	ng		98
18) Hexachloroethane	7.351	117	66118	50.446	ng		97
19) n-Nitroso-di-n-propyla...	7.263	70	119168	53.736	ng		99
20) 3+4-Methylphenols	7.275	107	185300	57.503	ng	#	82
22) Acetophenone	7.263	105	241328	54.917	ng		94
24) Nitrobenzene	7.439	77	180083	50.063	ng		95
25) Isophorone	7.675	82	314395	53.439	ng		99
26) 2-Nitrophenol	7.751	139	94485	57.032	ng		95
27) 2,4-Dimethylphenol	7.792	122	127969	66.141	ng		98
28) bis(2-Chloroethoxy)met...	7.881	93	188944	51.420	ng		99
29) 2,4-Dichlorophenol	8.004	162	149408	55.934	ng		99
30) 1,2,4-Trichlorobenzene	8.075	180	153263	50.051	ng		98
31) Naphthalene	8.151	128	517245	53.602	ng		99
32) Benzoic acid	7.945	122	71840	39.151	ng		97
33) 4-Chloroaniline	8.210	127	70709	22.062	ng		97
34) Hexachlorobutadiene	8.263	225	100776	48.916	ng		100
35) Caprolactam	8.592	113	46987m	59.086	ng		
36) 4-Chloro-3-methylphenol	8.710	107	163449	54.366	ng		99
37) 2-Methylnaphthalene	8.845	142	343391	53.795	ng		100
38) 1-Methylnaphthalene	8.945	142	318541	50.458	ng		99
40) 1,2,4,5-Tetrachloroben...	9.010	216	169136	53.866	ng		98
41) Hexachlorocyclopentadiene	8.992	237	31402	41.662	ng		100
43) 2,4,6-Trichlorophenol	9.133	196	102644	53.386	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140949.D
Acq On : 20 Dec 2024 14:36
Operator : RC/JU
Sample : P5306-09MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 20 15:07:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	107412	50.828	ng	99
46) 1,1'-Biphenyl	9.304	154	433578	53.374	ng	99
47) 2-Chloronaphthalene	9.333	162	319959	51.486	ng	98
48) 2-Nitroaniline	9.439	65	100764	53.688	ng	94
49) Acenaphthylene	9.751	152	529169	57.943	ng	99
50) Dimethylphthalate	9.604	163	378063	52.492	ng	100
51) 2,6-Dinitrotoluene	9.680	165	84402	51.261	ng	95
52) Acenaphthene	9.922	154	324577	55.638	ng	99
53) 3-Nitroaniline	9.857	138	49243	30.137	ng	93
54) 2,4-Dinitrophenol	9.980	184	79873	97.834	ng	93
55) Dibenzofuran	10.092	168	493268	54.567	ng	100
56) 4-Nitrophenol	10.045	139	72978	82.863	ng	97
57) 2,4-Dinitrotoluene	10.092	165	113633	52.453	ng	99
58) Fluorene	10.439	166	397342	53.279	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.222	232	97009	56.336	ng	91
60) Diethylphthalate	10.304	149	376001	50.345	ng	99
61) 4-Chlorophenyl-phenyle...	10.422	204	193903	51.761	ng	98
62) 4-Nitroaniline	10.474	138	88397m	51.770	ng	
63) Azobenzene	10.586	77	404359	57.590	ng	95
65) 4,6-Dinitro-2-methylph...	10.510	198	64685	60.672	ng	96
66) n-Nitrosodiphenylamine	10.545	169	341229	58.988	ng	99
67) 4-Bromophenyl-phenylether	10.916	248	117531	55.838	ng	96
68) Hexachlorobenzene	10.992	284	133215	55.821	ng	98
69) Atrazine	11.074	200	111739	69.163	ng	99
70) Pentachlorophenol	11.198	266	74523	85.412	ng	98
71) Phenanthrene	11.404	178	569035	58.813	ng	99
72) Anthracene	11.457	178	585440	61.442	ng	100
73) Carbazole	11.616	167	541131	57.981	ng	100
74) Di-n-butylphthalate	11.927	149	577959	52.767	ng	99
75) Fluoranthene	12.598	202	628778	56.429	ng	100
77) Benzidine	12.721	184	132623	49.567	ng	99
78) Pyrene	12.827	202	642867	55.145	ng	100
80) Butylbenzylphthalate	13.433	149	231266	53.914	ng	97
81) Benzo(a)anthracene	14.033	228	508709	54.752	ng	99
82) 3,3'-Dichlorobenzidine	13.986	252	84711	30.219	ng	98
83) Chrysene	14.068	228	458342	54.249	ng	99
84) Bis(2-ethylhexyl)phtha...	13.998	149	277592	50.188	ng	99
85) Di-n-octyl phthalate	14.639	149	383542	45.836	ng	98
87) Indeno(1,2,3-cd)pyrene	17.086	276	486592	68.540	ng	99
88) Benzo(b)fluoranthene	15.127	252	420442	53.241	ng	99
89) Benzo(k)fluoranthene	15.151	252	378547	55.882	ng	100
90) Benzo(a)pyrene	15.504	252	372093	60.174	ng	100
91) Dibenzo(a,h)anthracene	17.092	278	395812	67.298	ng	99
92) Benzo(g,h,i)perylene	17.545	276	366040	61.149	ng	99

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

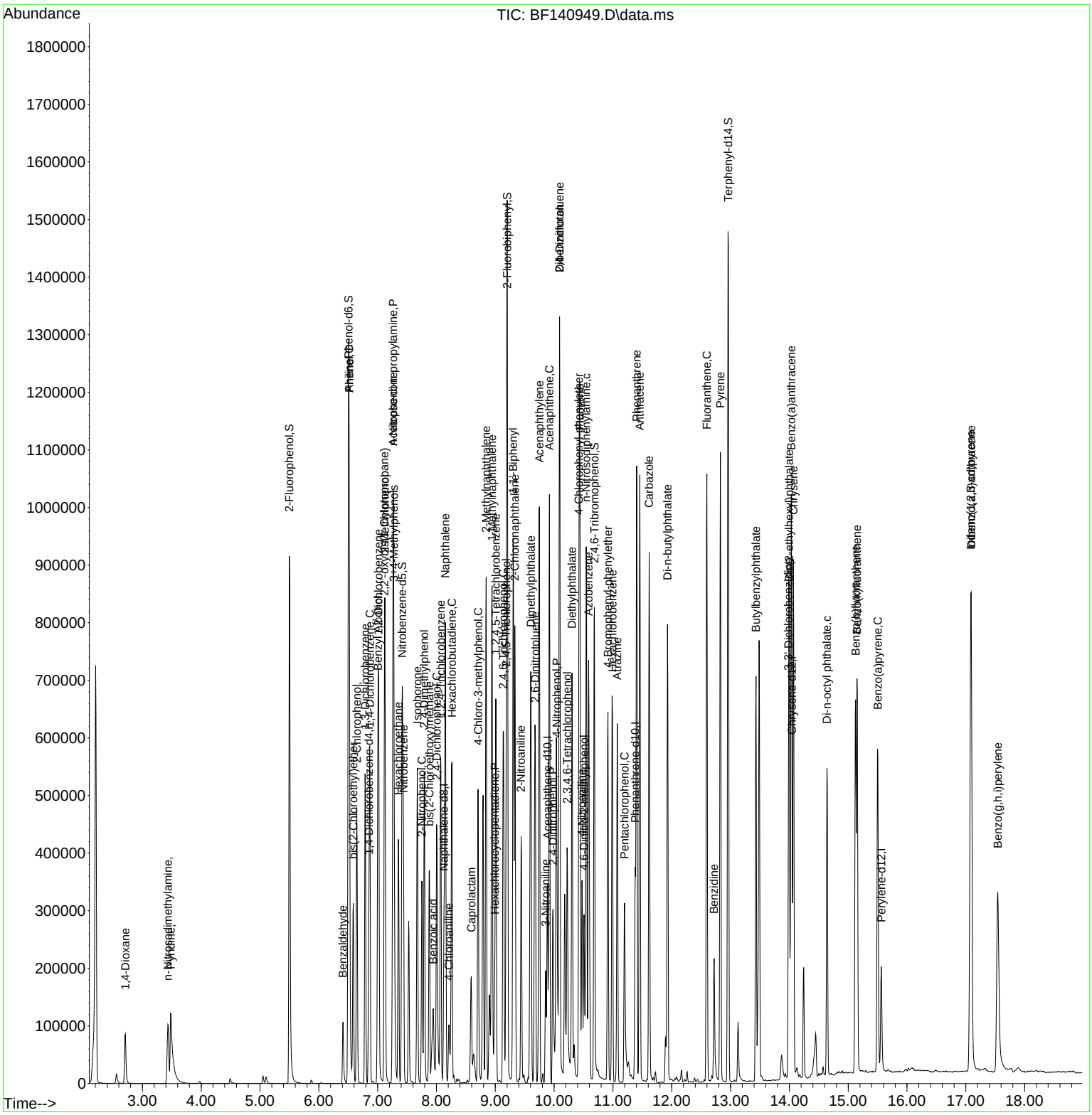
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122024\
Data File : BF140949.D
Acq On : 20 Dec 2024 14:36
Operator : RC/JU
Sample : P5306-09MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 20 15:07:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OU4-VSL-11-121224MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2024
Supervised By :mohammad ahmed 12/24/2024



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

Manual Integration Report

Sequence:	BF121624	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF140857.D	4-Nitrophenol	yogesh	12/18/2024 1:39:47 AM	mohammad	12/18/2024 2:36:39 AM	Peak Integrated by Software
SSTDICC010	BF140857.D	Pentachlorophenol	yogesh	12/18/2024 1:39:47 AM	mohammad	12/18/2024 2:36:39 AM	Peak Integrated by Software
SSTDICC020	BF140858.D	Pentachlorophenol	yogesh	12/18/2024 1:39:48 AM	mohammad	12/18/2024 2:36:39 AM	Peak Integrated by Software
SSTDICC080	BF140862.D	Caprolactam	yogesh	12/18/2024 1:39:50 AM	mohammad	12/18/2024 2:36:39 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF122024	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140942.D	4-Nitroaniline	Jagrut	12/23/2024 10:15:03 AM	mohammad	12/24/2024 11:31:08 PM	Peak Integrated by Software
PB165705BS	BF140944.D	4-Nitroaniline	Jagrut	12/23/2024 10:15:06 AM	mohammad	12/24/2024 11:31:08 PM	Peak Integrated by Software
PB165705BS	BF140944.D	Caprolactam	Jagrut	12/23/2024 10:15:06 AM	mohammad	12/24/2024 11:31:08 PM	Peak Integrated by Software
P5306-09MS	BF140948.D	4-Nitroaniline	Jagrut	12/23/2024 10:15:09 AM	mohammad	12/24/2024 11:31:08 PM	Peak Integrated by Software
P5306-09MS	BF140948.D	Caprolactam	Jagrut	12/23/2024 10:15:09 AM	mohammad	12/24/2024 11:31:08 PM	Peak Integrated by Software
P5306-09MSD	BF140949.D	4-Nitroaniline	Jagrut	12/23/2024 10:15:11 AM	mohammad	12/24/2024 11:31:08 PM	Peak Integrated by Software
P5306-09MSD	BF140949.D	Caprolactam	Jagrut	12/23/2024 10:15:11 AM	mohammad	12/24/2024 11:31:08 PM	Peak Integrated by Software
SSTDCCC040	BF140959.D	4-Nitroaniline	Jagrut	12/23/2024 10:15:20 AM	mohammad	12/24/2024 11:31:08 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF122624	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICCC040	BF140974.D	Aniline	yogesh	12/27/2024 3:54:51 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICCC040	BF140974.D	Caprolactam	yogesh	12/27/2024 3:54:51 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICC050	BF140975.D	Aniline	yogesh	12/27/2024 3:54:52 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICC050	BF140975.D	Caprolactam	yogesh	12/27/2024 3:54:52 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICC060	BF140976.D	Aniline	yogesh	12/27/2024 3:54:54 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICC080	BF140977.D	Aniline	yogesh	12/27/2024 3:54:55 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICC080	BF140977.D	bis(2-Chloroethyl)ether	yogesh	12/27/2024 3:54:55 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICV040	BF140978.D	Caprolactam	yogesh	12/27/2024 3:54:57 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf122724	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140981.D	Caprolactam	yogesh	12/30/2024 12:21:09 AM	mohammad	12/30/2024 12:23:12 AM	Peak Integrated by Software
SSTDCCC040	BF140981.D	Phenol	yogesh	12/30/2024 12:21:09 AM	mohammad	12/30/2024 12:23:12 AM	Peak Integrated by Software
SSTDCCC040	BF140994.D	Caprolactam	yogesh	12/30/2024 12:21:19 AM	mohammad	12/30/2024 12:23:12 AM	Peak Integrated by Software
SSTDCCC040	BF140994.D	Phenol	yogesh	12/30/2024 12:21:19 AM	mohammad	12/30/2024 12:23:12 AM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF121624

Review By	yogesh	Review On	12/18/2024 1:40:10 AM				
Supervise By	mohammad	Supervise On	12/18/2024 2:36:39 AM				
SubDirectory	BF121624	HP Acquire Method	BNA_F		HP Processing Method	Bf121624	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12331,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140854.D	16 Dec 2024 11:21	RC/JU	Ok
2	SSTDICC2.5	BF140855.D	16 Dec 2024 12:13	RC/JU	Ok
3	SSTDICC005	BF140856.D	16 Dec 2024 12:39	RC/JU	Ok
4	SSTDICC010	BF140857.D	16 Dec 2024 13:05	RC/JU	Ok,M
5	SSTDICC020	BF140858.D	16 Dec 2024 14:00	RC/JU	Ok,M
6	SSTDICCC040	BF140859.D	16 Dec 2024 14:26	RC/JU	Ok
7	SSTDICC050	BF140860.D	16 Dec 2024 15:23	RC/JU	Ok
8	SSTDICC060	BF140861.D	16 Dec 2024 15:49	RC/JU	Ok
9	SSTDICC080	BF140862.D	16 Dec 2024 16:15	RC/JU	Ok,M
10	SSTDICV040	BF140863.D	16 Dec 2024 16:41	RC/JU	Ok
11	PB165543BL	BF140864.D	16 Dec 2024 17:08	RC/JU	Ok
12	PB165543BS	BF140865.D	16 Dec 2024 17:34	RC/JU	Ok,M
13	PB165590BL	BF140866.D	16 Dec 2024 18:00	RC/JU	Ok
14	PB165479BS	BF140867.D	16 Dec 2024 18:26	RC/JU	Ok,M
15	PB165479BSD	BF140868.D	16 Dec 2024 18:53	RC/JU	Ok,M
16	PB165479BL	BF140869.D	16 Dec 2024 19:19	RC/JU	Ok
17	P5192-02	BF140870.D	16 Dec 2024 19:45	RC/JU	ReRun

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF122024

Review By	Jagrut	Review On	12/23/2024 10:15:36 AM				
Supervise By	mohammad	Supervise On	12/24/2024 11:31:08 PM				
SubDirectory	BF122024	HP Acquire Method	BNA_F		HP Processing Method	bf121624	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140941.D	20 Dec 2024 09:47	RC/JU	Ok
2	SSTDCCC040	BF140942.D	20 Dec 2024 11:15	RC/JU	Ok,M
3	PB165705BL	BF140943.D	20 Dec 2024 11:41	RC/JU	Ok
4	PB165705BS	BF140944.D	20 Dec 2024 12:07	RC/JU	Ok,M
5	P5316-01	BF140945.D	20 Dec 2024 12:51	RC/JU	Ok
6	P5306-11	BF140946.D	20 Dec 2024 13:18	RC/JU	Ok
7	P5306-09	BF140947.D	20 Dec 2024 13:44	RC/JU	Ok
8	P5306-09MS	BF140948.D	20 Dec 2024 14:10	RC/JU	Ok,M
9	P5306-09MSD	BF140949.D	20 Dec 2024 14:36	RC/JU	Ok,M
10	P5306-13	BF140950.D	20 Dec 2024 15:02	RC/JU	Ok
11	P5306-15	BF140951.D	20 Dec 2024 15:29	RC/JU	Ok
12	P5306-01	BF140952.D	20 Dec 2024 15:55	RC/JU	Ok
13	P5306-03	BF140953.D	20 Dec 2024 16:21	RC/JU	Ok
14	P5306-05	BF140954.D	20 Dec 2024 16:48	RC/JU	Ok
15	P5306-07	BF140955.D	20 Dec 2024 17:14	RC/JU	Ok
16	P5330-04	BF140956.D	20 Dec 2024 17:40	RC/JU	Ok
17	P5330-04MS	BF140957.D	20 Dec 2024 18:06	RC/JU	Ok,M
18	P5330-04MSD	BF140958.D	20 Dec 2024 18:32	RC/JU	Ok,M
19	SSTDCCC040	BF140959.D	20 Dec 2024 19:24	RC/JU	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF122624

Review By	yogesh	Review On	12/27/2024 4:07:20 AM				
Supervise By	mohammad	Supervise On	12/27/2024 4:13:24 AM				
SubDirectory	BF122624	HP Acquire Method	BNA_F		HP Processing Method	bf122624	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140969.D	26 Dec 2024 15:57	RC/JU	Ok
2	SSTDICC2.5	BF140970.D	26 Dec 2024 16:23	RC/JU	Ok
3	SSTDICC005	BF140971.D	26 Dec 2024 16:49	RC/JU	Ok
4	SSTDICC010	BF140972.D	26 Dec 2024 17:15	RC/JU	Ok
5	SSTDICC020	BF140973.D	26 Dec 2024 17:41	RC/JU	Ok
6	SSTDICCC040	BF140974.D	26 Dec 2024 18:06	RC/JU	Ok,M
7	SSTDICC050	BF140975.D	26 Dec 2024 18:33	RC/JU	Ok,M
8	SSTDICC060	BF140976.D	26 Dec 2024 18:59	RC/JU	Ok,M
9	SSTDICC080	BF140977.D	26 Dec 2024 19:25	RC/JU	Ok,M
10	SSTDICV040	BF140978.D	26 Dec 2024 19:52	RC/JU	Ok,M
11	PB165543BL	BF140979.D	26 Dec 2024 20:18	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF122724

Review By	yogesh	Review On	12/30/2024 12:22:08 AM				
Supervise By	mohammad	Supervise On	12/30/2024 12:23:12 AM				
SubDirectory	BF122724	HP Acquire Method	BNA_F		HP Processing Method	bf122624	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140980.D	27 Dec 2024 07:54	RC/JU	Ok
2	SSTDCCC040	BF140981.D	27 Dec 2024 08:19	RC/JU	Ok,M
3	PB165790BL	BF140982.D	27 Dec 2024 08:45	RC/JU	Ok
4	PB165785BS	BF140983.D	27 Dec 2024 09:11	RC/JU	Ok,M
5	PB165785BSD	BF140984.D	27 Dec 2024 09:37	RC/JU	Ok,M
6	PB165733TB	BF140985.D	27 Dec 2024 10:04	RC/JU	Ok
7	PB165790BS	BF140986.D	27 Dec 2024 10:30	RC/JU	Ok,M
8	PB165748BL	BF140987.D	27 Dec 2024 10:56	RC/JU	Ok
9	PB165748BS	BF140988.D	27 Dec 2024 11:22	RC/JU	Ok,M
10	PB165814BL	BF140989.D	27 Dec 2024 11:48	RC/JU	Ok
11	PB165814BS	BF140990.D	27 Dec 2024 12:14	RC/JU	Ok,M
12	PB165845BL	BF140991.D	27 Dec 2024 12:41	RC/JU	Ok
13	PB165845BS	BF140992.D	27 Dec 2024 13:07	RC/JU	Not Ok
14	DFTPP	BF140993.D	27 Dec 2024 13:33	RC/JU	Ok
15	SSTDCCC040	BF140994.D	27 Dec 2024 13:59	RC/JU	Ok,M
16	PB165872BL	BF140995.D	27 Dec 2024 14:26	RC/JU	Ok
17	P5299-04	BF140996.D	27 Dec 2024 15:00	RC/JU	Ok
18	P5299-03	BF140997.D	27 Dec 2024 15:26	RC/JU	Ok
19	P5299-02	BF140998.D	27 Dec 2024 16:03	RC/JU	Ok
20	P5299-01	BF140999.D	27 Dec 2024 16:29	RC/JU	Ok
21	P5356-01	BF141000.D	27 Dec 2024 16:55	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF122724

Review By	yogesh	Review On	12/30/2024 12:22:08 AM		
Supervise By	mohammad	Supervise On	12/30/2024 12:23:12 AM		
SubDirectory	BF122724	HP Acquire Method	BNA_F	HP Processing Method	bf122624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P5362-01	BF141001.D	27 Dec 2024 17:21	RC/JU	Ok,M
23	P5362-01MS	BF141002.D	27 Dec 2024 17:46	RC/JU	Ok,M
24	P5362-01MSD	BF141003.D	27 Dec 2024 18:13	RC/JU	Ok,M
25	P5382-01	BF141004.D	27 Dec 2024 18:39	RC/JU	Ok,M
26	P5382-01MS	BF141005.D	27 Dec 2024 19:05	RC/JU	Ok,M
27	P5382-01MSD	BF141006.D	27 Dec 2024 19:32	RC/JU	Ok,M
28	P5382-02	BF141007.D	27 Dec 2024 19:58	RC/JU	Ok,M
29	P5382-03	BF141008.D	27 Dec 2024 20:24	RC/JU	Ok
30	P5343-01MS	BF141009.D	27 Dec 2024 20:51	RC/JU	Ok
31	P5343-01MSD	BF141010.D	27 Dec 2024 21:17	RC/JU	Ok
32	P5343-03RE	BF141011.D	27 Dec 2024 21:43	RC/JU	Confirms
33	P5330-01RE	BF141012.D	27 Dec 2024 22:10	RC/JU	Confirms
34	P5383-01	BF141013.D	27 Dec 2024 22:36	RC/JU	Ok,M
35	P5355-01RE	BF141014.D	27 Dec 2024 23:02	RC/JU	Confirms
36	P5387-01	BF141015.D	27 Dec 2024 23:29	RC/JU	Ok,M
37	P5387-01MS	BF141016.D	27 Dec 2024 23:55	RC/JU	Not Ok
38	P5387-01MSD	BF141017.D	28 Dec 2024 00:21	RC/JU	Not Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF121624

Review By	yogesh	Review On	12/18/2024 1:40:10 AM		
Supervise By	mohammad	Supervise On	12/18/2024 2:36:39 AM		
SubDirectory	BF121624	HP Acquire Method	BNA_F	HP Processing Method	Bf121624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12331,10ul/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	BF140854.D	16 Dec 2024 11:21		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF140855.D	16 Dec 2024 12:13		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF140856.D	16 Dec 2024 12:39	Compound#32,41,54,56,65,70,77 removed from 5 ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF140857.D	16 Dec 2024 13:05		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF140858.D	16 Dec 2024 14:00	The Calibration is Good For 8270 DOD and good for 625.1 Method	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF140859.D	16 Dec 2024 14:26	Compound#41 Kept on QR & Compound#54,56 Kept on LR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF140860.D	16 Dec 2024 15:23		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF140861.D	16 Dec 2024 15:49		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF140862.D	16 Dec 2024 16:15		RC/JU	Ok,M
10	SSTDICV040	ICVBF121624	BF140863.D	16 Dec 2024 16:41		RC/JU	Ok
11	PB165543BL	PB165543BL	BF140864.D	16 Dec 2024 17:08		RC/JU	Ok
12	PB165543BS	PB165543BS	BF140865.D	16 Dec 2024 17:34		RC/JU	Ok,M
13	PB165590BL	PB165590BL	BF140866.D	16 Dec 2024 18:00		RC/JU	Ok
14	PB165479BS	PB165479BS	BF140867.D	16 Dec 2024 18:26		RC/JU	Ok,M
15	PB165479BSD	PB165479BSD	BF140868.D	16 Dec 2024 18:53		RC/JU	Ok,M
16	PB165479BL	PB165479BL	BF140869.D	16 Dec 2024 19:19		RC/JU	Ok
17	P5192-02	EFF-WASTE WATER	BF140870.D	16 Dec 2024 19:45	Surrogate Fail	RC/JU	ReRun

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF121624

Review By	yogesh	Review On	12/18/2024 1:40:10 AM		
Supervise By	mohammad	Supervise On	12/18/2024 2:36:39 AM		
SubDirectory	BF121624	HP Acquire Method	BNA_F	HP Processing Method	Bf121624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12331,10ul/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 # BF122024

Review By	Jagrut	Review On	12/23/2024 10:15:36 AM		
Supervise By	mohammad	Supervise On	12/24/2024 11:31:08 PM		
SubDirectory	BF122024	HP Acquire Method	BNA_F	HP Processing Method	bf121624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/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	BF140941.D	20 Dec 2024 09:47		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140942.D	20 Dec 2024 11:15	CCC fail high side for #87,91 and #92	RC/JU	Ok,M
3	PB165705BL	PB165705BL	BF140943.D	20 Dec 2024 11:41		RC/JU	Ok
4	PB165705BS	PB165705BS	BF140944.D	20 Dec 2024 12:07		RC/JU	Ok,M
5	P5316-01	TT-304-IDWSO-202412	BF140945.D	20 Dec 2024 12:51		RC/JU	Ok
6	P5306-11	OU4-VSL-12-121224	BF140946.D	20 Dec 2024 13:18		RC/JU	Ok
7	P5306-09	OU4-VSL-11-121224	BF140947.D	20 Dec 2024 13:44		RC/JU	Ok
8	P5306-09MS	OU4-VSL-11-121224MS	BF140948.D	20 Dec 2024 14:10		RC/JU	Ok,M
9	P5306-09MSD	OU4-VSL-11-121224MS	BF140949.D	20 Dec 2024 14:36		RC/JU	Ok,M
10	P5306-13	OU4-VSL-13-121224	BF140950.D	20 Dec 2024 15:02		RC/JU	Ok
11	P5306-15	OU4-VSL-14-121224	BF140951.D	20 Dec 2024 15:29		RC/JU	Ok
12	P5306-01	OU4-VSL-07-121224	BF140952.D	20 Dec 2024 15:55		RC/JU	Ok
13	P5306-03	OU4-VSL-08-121224	BF140953.D	20 Dec 2024 16:21		RC/JU	Ok
14	P5306-05	OU4-VSL-09-121224	BF140954.D	20 Dec 2024 16:48		RC/JU	Ok
15	P5306-07	OU4-VSL-10-121224	BF140955.D	20 Dec 2024 17:14		RC/JU	Ok
16	P5330-04	TP-5	BF140956.D	20 Dec 2024 17:40		RC/JU	Ok
17	P5330-04MS	TP-5MS	BF140957.D	20 Dec 2024 18:06		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF122024

Review By	Jagrut	Review On	12/23/2024 10:15:36 AM		
Supervise By	mohammad	Supervise On	12/24/2024 11:31:08 PM		
SubDirectory	BF122024	HP Acquire Method	BNA_F	HP Processing Method	bf121624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P5330-04MSD	TP-5MSD	BF140958.D	20 Dec 2024 18:32		RC/JU	Ok,M
19	SSTDCCC040	SSTDCCC040EC	BF140959.D	20 Dec 2024 19:24		RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF122624

Review By	yogesh	Review On	12/27/2024 4:07:20 AM		
Supervise By	mohammad	Supervise On	12/27/2024 4:13:24 AM		
SubDirectory	BF122624	HP Acquire Method	BNA_F	HP Processing Method	bf122624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/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	BF140969.D	26 Dec 2024 15:57		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF140970.D	26 Dec 2024 16:23		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF140971.D	26 Dec 2024 16:49	Compound #9,54,56,65 removed from 5ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF140972.D	26 Dec 2024 17:15		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF140973.D	26 Dec 2024 17:41	Compound #9,26,32,48,51,53,57,62,65 Kept on LR and Compound #54 Kept on QR	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF140974.D	26 Dec 2024 18:06	The Calibration is Good For 8270 DOD Except Com#56 and good for 625.1 Method	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF140975.D	26 Dec 2024 18:33		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF140976.D	26 Dec 2024 18:59		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BF140977.D	26 Dec 2024 19:25	Compound #9,69 removed from 80ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBF122624	BF140978.D	26 Dec 2024 19:52	ICV Fail for Com#56 for DOD	RC/JU	Ok,M
11	PB165543BL	PB165543BL	BF140979.D	26 Dec 2024 20:18		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF122724

Review By	yogesh	Review On	12/30/2024 12:22:08 AM		
Supervise By	mohammad	Supervise On	12/30/2024 12:23:12 AM		
SubDirectory	BF122724	HP Acquire Method	BNA_F	HP Processing Method	bf122624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/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	BF140980.D	27 Dec 2024 07:54		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140981.D	27 Dec 2024 08:19		RC/JU	Ok,M
3	PB165790BL	PB165790BL	BF140982.D	27 Dec 2024 08:45		RC/JU	Ok
4	PB165785BS	PB165785BS	BF140983.D	27 Dec 2024 09:11		RC/JU	Ok,M
5	PB165785BSD	PB165785BSD	BF140984.D	27 Dec 2024 09:37		RC/JU	Ok,M
6	PB165733TB	PB165733TB	BF140985.D	27 Dec 2024 10:04		RC/JU	Ok
7	PB165790BS	PB165790BS	BF140986.D	27 Dec 2024 10:30		RC/JU	Ok,M
8	PB165748BL	PB165748BL	BF140987.D	27 Dec 2024 10:56		RC/JU	Ok
9	PB165748BS	PB165748BS	BF140988.D	27 Dec 2024 11:22		RC/JU	Ok,M
10	PB165814BL	PB165814BL	BF140989.D	27 Dec 2024 11:48		RC/JU	Ok
11	PB165814BS	PB165814BS	BF140990.D	27 Dec 2024 12:14		RC/JU	Ok,M
12	PB165845BL	PB165845BL	BF140991.D	27 Dec 2024 12:41		RC/JU	Ok
13	PB165845BS	PB165845BS	BF140992.D	27 Dec 2024 13:07	Recovery fail high for com. #71	RC/JU	Not Ok
14	DFTPP	DFTPP	BF140993.D	27 Dec 2024 13:33		RC/JU	Ok
15	SSTDCCC040	SSTDCCC040	BF140994.D	27 Dec 2024 13:59	CCC fail high side for com. #77	RC/JU	Ok,M
16	PB165872BL	PB165872BL	BF140995.D	27 Dec 2024 14:26		RC/JU	Ok
17	P5299-04	SB-02	BF140996.D	27 Dec 2024 15:00		RC/JU	Ok
18	P5299-03	SB-01	BF140997.D	27 Dec 2024 15:26		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF122724

Review By	yogesh	Review On	12/30/2024 12:22:08 AM		
Supervise By	mohammad	Supervise On	12/30/2024 12:23:12 AM		
SubDirectory	BF122724	HP Acquire Method	BNA_F	HP Processing Method	bf122624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P5299-02	SB-02	BF140998.D	27 Dec 2024 16:03		RC/JU	Ok
20	P5299-01	SB-01	BF140999.D	27 Dec 2024 16:29		RC/JU	Ok
21	P5356-01	STAND-PIPE	BF141000.D	27 Dec 2024 16:55		RC/JU	Ok
22	P5362-01	WC-SOIL-20241219	BF141001.D	27 Dec 2024 17:21		RC/JU	Ok,M
23	P5362-01MS	WC-SOIL-20241219MS	BF141002.D	27 Dec 2024 17:46		RC/JU	Ok,M
24	P5362-01MSD	WC-SOIL-20241219MS	BF141003.D	27 Dec 2024 18:13		RC/JU	Ok,M
25	P5382-01	COMP-1	BF141004.D	27 Dec 2024 18:39		RC/JU	Ok,M
26	P5382-01MS	COMP-1MS	BF141005.D	27 Dec 2024 19:05		RC/JU	Ok,M
27	P5382-01MSD	COMP-1MSD	BF141006.D	27 Dec 2024 19:32		RC/JU	Ok,M
28	P5382-02	COMP-2	BF141007.D	27 Dec 2024 19:58		RC/JU	Ok,M
29	P5382-03	COMP-3	BF141008.D	27 Dec 2024 20:24		RC/JU	Ok
30	P5343-01MS	VNJ210MS	BF141009.D	27 Dec 2024 20:51		RC/JU	Ok
31	P5343-01MSD	VNJ210MSD	BF141010.D	27 Dec 2024 21:17		RC/JU	Ok
32	P5343-03RE	VNJ281RE	BF141011.D	27 Dec 2024 21:43	Fax is already given	RC/JU	Confirms
33	P5330-01RE	TP-5RE	BF141012.D	27 Dec 2024 22:10	Fax is already given	RC/JU	Confirms
34	P5383-01	OK-02-12232024	BF141013.D	27 Dec 2024 22:36		RC/JU	Ok,M
35	P5355-01RE	RBR251688RE	BF141014.D	27 Dec 2024 23:02	Fax is already given	RC/JU	Confirms
36	P5387-01	TR-05-122624	BF141015.D	27 Dec 2024 23:29		RC/JU	Ok,M
37	P5387-01MS	TR-05-122624MS	BF141016.D	27 Dec 2024 23:55	MSD is Not Ok	RC/JU	Not Ok

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF122724

Review By	yogesh	Review On	12/30/2024 12:22:08 AM		
Supervise By	mohammad	Supervise On	12/30/2024 12:23:12 AM		
SubDirectory	BF122724	HP Acquire Method	BNA_F	HP Processing Method	bf122624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	P5387-01MSD	TR-05-122624MSD	BF141017.D	28 Dec 2024 00:21	Internal Standard Fail	RC/JU	Not Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB165705

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	12/18/2024
Matrix :	Solid			**Extraction Start Time :**	08:56
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	12/18/2024
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	14:40
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	EP2560
Baked Na2SO4	N/A	EP2573
Sand	N/A	E2865
Methylene Chloride	N/A	E3845
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. P5316-01 Added in batch at 1135

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
12/18/24	RP (Ext Lab)	RC/SVOC
14:45	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB165705

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 12/18/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB165705BL	SBLK705	SVOCMS Group3	30.02	N/A	ritesh	Evelyn	1			U4-1
PB165705BS	SLCS705	SVOCMS Group3	30.01	N/A	ritesh	Evelyn	1			2
P5299-01	SB-01	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	F		3
P5299-02	SB-02	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	F		4
P5299-03	SB-01	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	F		5
P5299-04	SB-02	SVOC-TCL BNA -20	30.09	N/A	ritesh	Evelyn	1	F		6
P5306-01	OU4-VSL-07-121224	SVOCMS Group3	30.05	N/A	ritesh	Evelyn	1	E		U5-1
P5306-03	OU4-VSL-08-121224	SVOCMS Group3	30.02	N/A	ritesh	Evelyn	1	E		2
P5306-05	OU4-VSL-09-121224	SVOCMS Group3	30.07	N/A	ritesh	Evelyn	1	E		3
P5306-07	OU4-VSL-10-121224	SVOCMS Group3	30.06	N/A	ritesh	Evelyn	1	E		4
P5306-09	OU4-VSL-11-121224	SVOCMS Group3	30.05	N/A	ritesh	Evelyn	1	E		5
P5306-09MS	OU4-VSL-11-121224MS	SVOCMS Group3	30.10	N/A	ritesh	Evelyn	1	E		6
P5306-09MSD	OU4-VSL-11-121224MSD	SVOCMS Group3	30.08	N/A	ritesh	Evelyn	1	E		U6-1
P5306-11	OU4-VSL-12-121224	SVOCMS Group3	30.06	N/A	ritesh	Evelyn	1	E		2
P5306-13	OU4-VSL-13-121224	SVOCMS Group3	30.03	N/A	ritesh	Evelyn	1	E		3
P5306-15	OU4-VSL-14-121224	SVOCMS Group3	30.02	N/A	ritesh	Evelyn	1	E		4
P5312-01	SOIL-VNJ-222	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		5
P5312-03	CONCRETE-VNJ-222	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	E	Concrete	6
P5316-01	TT-304-IDWSO-20241217-1	SVOCMS Group2	30.04	N/A	ritesh	Evelyn	1	E		U7-1

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

161705
8:53

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P5312 **WorkList ID :** 186421 **Department :** Extraction **Date :** 12-18-2024 08:08:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5306-01	OU4-VSL-07-121224	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L61	12/12/2024	8270E
P5306-03	OU4-VSL-08-121224	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L61	12/12/2024	8270E
P5306-05	OU4-VSL-09-121224	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L61	12/12/2024	8270E
P5306-07	OU4-VSL-10-121224	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L61	12/12/2024	8270E
P5306-09	OU4-VSL-11-121224	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L61	12/12/2024	8270E
P5306-11	OU4-VSL-12-121224	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L61	12/12/2024	8270E
P5306-13	OU4-VSL-13-121224	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L61	12/12/2024	8270E
P5306-15	OU4-VSL-14-121224	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L61	12/12/2024	8270E
P5312-01	SOIL-VNJ-222	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L61	12/17/2024	8270E
P5312-03	CONCRETE-VNJ-222	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L61	12/17/2024	8270E

Date/Time 12/18/24 8:50
Raw Sample Received by: RJ (Ext Lab)
Raw Sample Relinquished by: JD CSM

Date/Time 12/18/24 9:20
Raw Sample Received by: JD CSM
Raw Sample Relinquished by: RJ (Ext Lab)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P5316 **WorkList ID :** 186434 **Department :** Extraction **Date :** 12-18-2024 11:32:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5316-01	TT-304-IDWSO-20241217-1	Solid	PCB Group1	Cool 4 deg C	TETR06	L51	12/17/2024	8082A
P5316-01	TT-304-IDWSO-20241217-1	Solid	PESTICIDE Group1	Cool 4 deg C	TETR06	L51	12/17/2024	8081B
P5316-01	TT-304-IDWSO-20241217-1	Solid	SVOCMS Group2	Cool 4 deg C	TETR06	L51	12/17/2024	8270E

Date/Time 12/18/24
Raw Sample Received by: RJ (Dept Lab)
Raw Sample Relinquished by: SM

Date/Time 12/18/24
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (Dept Lab)

IGS 12/05 8:56

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P5299S **WorkList ID :** 186437 **Department :** Extraction **Date :** 12-18-2024 08:56:42

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5299-01	SB-01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	12/14/2024	8270E
P5299-02	SB-02	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	12/15/2024	8270E
P5299-03	SB-01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	12/15/2024	8270E
P5299-04	SB-02	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	12/15/2024	8270E

Date/Time 12/18/24 8:56
Raw Sample Received by: RJ (Set lab)
Raw Sample Relinquished by: SM

Date/Time 12/18/24 8:10
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (Set lab)

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

LAB CHRONICLE

OrderID:	P5299	**OrderDate:**	12/16/2024 12:24:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5299-01	**SB-01**	**SOIL**			**12/14/24**			**12/16/24**
			SVOC-TCL BNA -20	8270E		12/18/24	12/27/24	
P5299-02	**SB-02**	**SOIL**			**12/15/24**			**12/16/24**
			SVOC-TCL BNA -20	8270E		12/18/24	12/27/24	
P5299-03	**SB-01**	**SOIL**			**12/15/24**			**12/16/24**
			SVOC-TCL BNA -20	8270E		12/18/24	12/27/24	
P5299-04	**SB-02**	**SOIL**			**12/15/24**			**12/16/24**
			SVOC-TCL BNA -20	8270E		12/18/24	12/27/24	