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

Hit Summary Sheet
SW-846

SDG No.: P4860

Client: Tetra Tech

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : DUP-01									
P4860-01	DUP-01	SOIL	10,18-Bisnorabieta-5,7,9(10),11,1	*	120.000	J	0	0	ug/Kg
P4860-01	DUP-01	SOIL	4b,8-Dimethyl-2-isopropylphenan	*	85.100	J	0	0	ug/Kg
P4860-01	DUP-01	SOIL	Benzophenone	*	160.000	J	0	0	ug/Kg
P4860-01	DUP-01	SOIL	Cholestan-3-one, (5.alpha.)-	*	200.000	J	0	0	ug/Kg
P4860-01	DUP-01	SOIL	Heneicosane	*	72.800	J	0	0	ug/Kg
P4860-01	DUP-01	SOIL	n-Hexadecanoic acid	*	260.000	J	0	0	ug/Kg
P4860-01	DUP-01	SOIL	Octacosane	*	80.700	J	0	0	ug/Kg
P4860-01	DUP-01	SOIL	Retene	*	250.000	J	0	0	ug/Kg
P4860-01	DUP-01	SOIL	unknown16.286	*	210.000	J	0	0	ug/Kg
			Total Tics :		**1,438.60**				
			Total Concentration:		**1,438.60**				
Client ID : PH2-BOT-001									
P4860-02	PH2-BOT-001	SOIL	Bis(2-ethylhexyl)phthalate		420.000		93.9	180	ug/Kg
			Total Svoc :		**420.00**				
P4860-02	PH2-BOT-001	SOIL	10,18-Bisnorabieta-5,7,9(10),11,1	*	730.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	1H-Indole, 2-methyl-3-phenyl-	*	360.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	4b,8-Dimethyl-2-isopropylphenan	*	220.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	5.beta.-Cholestan-3.alpha.-ol, 2-m	*	1,600.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	Butane, 2-methoxy-2-methyl-	*	1,200.000	JB	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	Cholestan-2-one	*	1,800.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	Cyclohexane, 1,3,5-triphenyl-	*	600.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	Eicosane	*	750.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	Heneicosane	*	650.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	Heneicosane, 11-(1-ethylpropyl)-	*	420.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	Heptadecane	*	410.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	Hexadecane, 2,6,10-trimethyl-	*	230.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	n-Hexadecanoic acid	*	500.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	Octacosane	*	410.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	Stigmastanol	*	320.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	Supraene	*	250.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	Tetradecane, 2,6,10-trimethyl-	*	240.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	Tricosane	*	950.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	Tridecane, 6-propyl-	*	240.000	J	0	0	ug/Kg
P4860-02	PH2-BOT-001	SOIL	unknown17.657	*	440.000	J	0	0	ug/Kg
			Total Tics :		**12,320.00**				
			Total Concentration:		**12,740.00**				

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

Hit Summary Sheet
SW-846

SDG No.: P4860

Client: Tetra Tech

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**PH2-BOT-002**								
P4860-03	PH2-BOT-002	SOIL	Bis(2-ethylhexyl)phthalate		95.800	J	94	180	ug/Kg
			Total Svoc :		**95.80**				
P4860-03	PH2-BOT-002	SOIL	10,18-Bisnorabieta-5,7,9(10),11,1	*	84.400	J	0	0	ug/Kg
P4860-03	PH2-BOT-002	SOIL	Benzophenone	*	510.000	J	0	0	ug/Kg
P4860-03	PH2-BOT-002	SOIL	Cholestan-3-ol, (3.alpha.,5.beta.)	*	530.000	J	0	0	ug/Kg
P4860-03	PH2-BOT-002	SOIL	Cholestan-3-one, (5.beta.)-	*	390.000	J	0	0	ug/Kg
P4860-03	PH2-BOT-002	SOIL	Hexacosane	*	130.000	J	0	0	ug/Kg
P4860-03	PH2-BOT-002	SOIL	Methanone, (1-hydroxycyclohexy	*	82.300	J	0	0	ug/Kg
P4860-03	PH2-BOT-002	SOIL	n-Hexadecanoic acid	*	180.000	J	0	0	ug/Kg
P4860-03	PH2-BOT-002	SOIL	Supraene	*	100.000	J	0	0	ug/Kg
P4860-03	PH2-BOT-002	SOIL	unknown17.068	*	98.500	J	0	0	ug/Kg
P4860-03	PH2-BOT-002	SOIL	unknown17.657	*	110.000	J	0	0	ug/Kg
			Total Tics :		**2,215.20**				
			Total Concentration:		**2,311.00**				
Client ID :	**PH2-BOT-003**								
P4860-04	PH2-BOT-003	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	70.800	A	0	0	ug/Kg
P4860-04	PH2-BOT-003	SOIL	Benzophenone	*	140.000	J	0	0	ug/Kg
P4860-04	PH2-BOT-003	SOIL	n-Hexadecanoic acid	*	120.000	J	0	0	ug/Kg
P4860-04	PH2-BOT-003	SOIL	Squalene	*	91.900	J	0	0	ug/Kg
P4860-04	PH2-BOT-003	SOIL	Trichloroacetic acid, pentadecyl e	*	170.000	J	0	0	ug/Kg
P4860-04	PH2-BOT-003	SOIL	unknown16.427	*	77.300	J	0	0	ug/Kg
			Total Tics :		**670.00**				
			Total Concentration:		**670.00**				
Client ID :	**PH2-BOT-004**								
P4860-05	PH2-BOT-004	SOIL	Benzophenone	*	370.000	J	0	0	ug/Kg
P4860-05	PH2-BOT-004	SOIL	Butane, 2-methoxy-2-methyl-	*	1,400.000	JB	0	0	ug/Kg
P4860-05	PH2-BOT-004	SOIL	n-Hexadecanoic acid	*	93.900	J	0	0	ug/Kg
P4860-05	PH2-BOT-004	SOIL	Pentadecafluorooctanoic acid, oct	*	150.000	J	0	0	ug/Kg
			Total Tics :		**2,013.90**				
			Total Concentration:		**2,013.90**				
Client ID :	**PH2-BOT-009**								
P4860-06	PH2-BOT-009	SOIL	1-Hexadecanol	*	120.000	J	0	0	ug/Kg
P4860-06	PH2-BOT-009	SOIL	Benzophenone	*	400.000	J	0	0	ug/Kg
P4860-06	PH2-BOT-009	SOIL	Methanone, (1-hydroxycyclohexy	*	70.100	J	0	0	ug/Kg
			Total Tics :		**590.10**				
			Total Concentration:		**590.10**				
Client ID :	**PH2-BOT-008**								
P4860-07	PH2-BOT-008	SOIL	1-Hydroxycyclohexanecarboxylic	*	74.600	J	0	0	ug/Kg

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

Hit Summary Sheet
SW-846

SDG No.: P4860

Client: Tetra Tech

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
P4860-07	PH2-BOT-008	SOIL	Benzophenone	*	500.000	J	0	0	ug/Kg
P4860-07	PH2-BOT-008	SOIL	n-Hexadecanoic acid	*	89.800	J	0	0	ug/Kg
			Total Tics :		**664.40**				
			Total Concentration:		**664.40**				
Client ID :	**PH2-BOT-007**								
P4860-08	PH2-BOT-007	SOIL	1-Tetracosene	*	150.000	J	0	0	ug/Kg
P4860-08	PH2-BOT-007	SOIL	Benzophenone	*	320.000	J	0	0	ug/Kg
P4860-08	PH2-BOT-007	SOIL	Butane, 2-methoxy-2-methyl-	*	1,200.000	JB	0	0	ug/Kg
P4860-08	PH2-BOT-007	SOIL	n-Hexadecanoic acid	*	130.000	J	0	0	ug/Kg
			Total Tics :		**1,800.00**				
			Total Concentration:		**1,800.00**				
Client ID :	**PH2-BOT-006**								
P4860-09	PH2-BOT-006	SOIL	Benzophenone	*	330.000	J	0	0	ug/Kg
P4860-09	PH2-BOT-006	SOIL	n-Hexadecanoic acid	*	220.000	J	0	0	ug/Kg
P4860-09	PH2-BOT-006	SOIL	n-Nonadecanol-1	*	170.000	J	0	0	ug/Kg
P4860-09	PH2-BOT-006	SOIL	unknown16.457	*	78.100	J	0	0	ug/Kg
			Total Tics :		**798.10**				
			Total Concentration:		**798.10**				
Client ID :	**PH2-BOT-005**								
P4860-10	PH2-BOT-005	SOIL	10,18-Bisnorabieta-5,7,9(10),11,1	*	81.900	J	0	0	ug/Kg
P4860-10	PH2-BOT-005	SOIL	Benzophenone	*	330.000	J	0	0	ug/Kg
P4860-10	PH2-BOT-005	SOIL	Butane, 2-methoxy-2-methyl-	*	1,100.000	JB	0	0	ug/Kg
P4860-10	PH2-BOT-005	SOIL	Cholestan-3-one	*	220.000	J	0	0	ug/Kg
P4860-10	PH2-BOT-005	SOIL	Eicosane	*	100.000	J	0	0	ug/Kg
P4860-10	PH2-BOT-005	SOIL	Heneicosane	*	79.800	J	0	0	ug/Kg
P4860-10	PH2-BOT-005	SOIL	Isobutyl tetracosyl ether	*	280.000	J	0	0	ug/Kg
P4860-10	PH2-BOT-005	SOIL	n-Hexadecanoic acid	*	170.000	J	0	0	ug/Kg
P4860-10	PH2-BOT-005	SOIL	Octacosane, 2-methyl-	*	74.700	J	0	0	ug/Kg
P4860-10	PH2-BOT-005	SOIL	Triacontane	*	140.000	J	0	0	ug/Kg
P4860-10	PH2-BOT-005	SOIL	unknown16.245	*	230.000	J	0	0	ug/Kg
P4860-10	PH2-BOT-005	SOIL	unknown16.498	*	75.700	J	0	0	ug/Kg
P4860-10	PH2-BOT-005	SOIL	unknown17.439	*	77.400	J	0	0	ug/Kg
P4860-10	PH2-BOT-005	SOIL	unknown17.651	*	70.600	J	0	0	ug/Kg
			Total Tics :		**3,030.10**				
			Total Concentration:		**3,030.10**				

SAMPLE DATA

Raw Data: **BF140609.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	DUP-01	SDG No.:	P4860
Lab Sample ID:	P4860-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.8
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
BF140609.D	1	11/16/24 08:51	11/25/24 18:07	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	UQ	190	340	ug/Kg
108-95-2	Phenol	85.4	U	85.4	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	86.2	U	86.2	180	ug/Kg
95-57-8	2-Chlorophenol	86.0	U	86.0	180	ug/Kg
95-48-7	2-Methylphenol	83.0	U	83.0	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	93.6	U	93.6	180	ug/Kg
98-86-2	Acetophenone	89.5	U	89.5	180	ug/Kg
65794-96-9	3+4-Methylphenols	82.2	U	82.2	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.5	U	41.5	82.4	ug/Kg
67-72-1	Hexachloroethane	85.5	U	85.5	180	ug/Kg
98-95-3	Nitrobenzene	93.5	U	93.5	180	ug/Kg
78-59-1	Isophorone	87.1	U	87.1	180	ug/Kg
88-75-5	2-Nitrophenol	97.3	U	97.3	180	ug/Kg
105-67-9	2,4-Dimethylphenol	96.0	U	96.0	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	88.4	U	88.4	180	ug/Kg
120-83-2	2,4-Dichlorophenol	77.8	U	77.8	180	ug/Kg
91-20-3	Naphthalene	85.1	U	85.1	180	ug/Kg
106-47-8	4-Chloroaniline	85.1	UQ	85.1	180	ug/Kg
87-68-3	Hexachlorobutadiene	85.8	U	85.8	180	ug/Kg
105-60-2	Caprolactam	89.4	U	89.4	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	79.8	U	79.8	180	ug/Kg
91-57-6	2-Methylnaphthalene	85.0	U	85.0	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	UQ	160	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	73.5	U	73.5	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	76.2	U	76.2	180	ug/Kg
92-52-4	1,1-Biphenyl	90.0	U	90.0	180	ug/Kg
91-58-7	2-Chloronaphthalene	85.8	U	85.8	180	ug/Kg
88-74-4	2-Nitroaniline	97.8	U	97.8	180	ug/Kg
131-11-3	Dimethylphthalate	84.1	U	84.1	180	ug/Kg

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	DUP-01	SDG No.:	P4860
Lab Sample ID:	P4860-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.8
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
BF140609.D	1	11/16/24 08:51	11/25/24 18:07	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	89.1	U	89.1	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	85.7	U	85.7	180	ug/Kg
99-09-2	3-Nitroaniline	91.9	UQ	91.9	180	ug/Kg
83-32-9	Acenaphthene	83.5	U	83.5	180	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	340	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	340	ug/Kg
132-64-9	Dibenzofuran	86.9	U	86.9	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	88.8	U	88.8	180	ug/Kg
84-66-2	Diethylphthalate	82.5	U	82.5	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	88.2	U	88.2	180	ug/Kg
86-73-7	Fluorene	88.1	U	88.1	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	84.0	U	84.0	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	81.3	U	81.3	180	ug/Kg
118-74-1	Hexachlorobenzene	87.5	U	87.5	180	ug/Kg
1912-24-9	Atrazine	94.1	U	94.1	180	ug/Kg
87-86-5	Pentachlorophenol	79.6	U	79.6	340	ug/Kg
85-01-8	Phenanthrene	86.5	U	86.5	180	ug/Kg
120-12-7	Anthracene	86.9	U	86.9	180	ug/Kg
86-74-8	Carbazole	82.7	U	82.7	180	ug/Kg
84-74-2	Di-n-butylphthalate	86.8	U	86.8	180	ug/Kg
206-44-0	Fluoranthene	84.1	U	84.1	180	ug/Kg
129-00-0	Pyrene	85.5	U	85.5	180	ug/Kg
85-68-7	Butylbenzylphthalate	99.7	U	99.7	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	UQ	100	340	ug/Kg
56-55-3	Benzo(a)anthracene	83.1	U	83.1	180	ug/Kg
218-01-9	Chrysene	81.9	U	81.9	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	93.7	U	93.7	180	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	83.5	U	83.5	180	ug/Kg

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	DUP-01	SDG No.:	P4860
Lab Sample ID:	P4860-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.8
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
BF140609.D	1	11/16/24 08:51	11/25/24 18:07	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	85.1	U	85.1	180	ug/Kg
50-32-8	Benzo(a)pyrene	95.8	U	95.8	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	80.4	U	80.4	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	83.6	U	83.6	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	82.5	U	82.5	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.4	U	89.4	180	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	76.9	U	76.9	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	98.6		30 (18) - 130 (112)	66%	SPK: 150
13127-88-3	Phenol-d6	97.7		30 (15) - 130 (107)	65%	SPK: 150
4165-60-0	Nitrobenzene-d5	67.9		30 (18) - 130 (107)	68%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.5		30 (20) - 130 (109)	73%	SPK: 100
118-79-6	2,4,6-Tribromophenol	92.4		30 (10) - 130 (116)	62%	SPK: 150
1718-51-0	Terphenyl-d14	71.0		30 (10) - 130 (105)	71%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	64400	6.869			
1146-65-2	Naphthalene-d8	240000	8.151			
15067-26-2	Acenaphthene-d10	128000	9.904			
1517-22-2	Phenanthrene-d10	245000	11.392			
1719-03-5	Chrysene-d12	152000	14.045			
1520-96-3	Perylene-d12	135000	15.539			
TENTATIVE IDENTIFIED COMPOUNDS						
000119-61-9	Benzophenone	160	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	260	J		11.9	ug/Kg
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	85.1	J		12.3	ug/Kg
006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13	120	J		12.6	ug/Kg
000483-65-8	Retene	250	J		13.1	ug/Kg
000629-94-7	Heneicosane	72.8	J		13.9	ug/Kg
000630-02-4	Octacosane	80.7	J		15.2	ug/Kg

Raw Data: **BF140609.D**

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

Report of Analysis

Client:	Tetra Tech			Date Collected:	11/14/24
Project:	Ocean County Landfill 2024			Date Received:	11/14/24
Client Sample ID:	DUP-01			SDG No.:	P4860
Lab Sample ID:	P4860-01			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	96.8
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
BF140609.D	1	11/16/24 08:51	11/25/24 18:07	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
	unknown16.286	210	J		16.3	ug/Kg
000566-88-1	Cholestan-3-one, (5.alpha.)-	200	J		16.4	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: **BF140588.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-001	SDG No.:	P4860
Lab Sample ID:	P4860-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.8
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
BF140588.D	1	11/16/24 08:51	11/22/24 19:53	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	UQ	190	340	ug/Kg
108-95-2	Phenol	85.6	U	85.6	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	86.4	U	86.4	180	ug/Kg
95-57-8	2-Chlorophenol	86.2	U	86.2	180	ug/Kg
95-48-7	2-Methylphenol	83.2	U	83.2	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	93.8	U	93.8	180	ug/Kg
98-86-2	Acetophenone	89.7	U	89.7	180	ug/Kg
65794-96-9	3+4-Methylphenols	82.4	U	82.4	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.6	U	41.6	82.6	ug/Kg
67-72-1	Hexachloroethane	85.7	U	85.7	180	ug/Kg
98-95-3	Nitrobenzene	93.7	U	93.7	180	ug/Kg
78-59-1	Isophorone	87.3	U	87.3	180	ug/Kg
88-75-5	2-Nitrophenol	97.6	U	97.6	180	ug/Kg
105-67-9	2,4-Dimethylphenol	96.2	U	96.2	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	88.6	U	88.6	180	ug/Kg
120-83-2	2,4-Dichlorophenol	77.9	U	77.9	180	ug/Kg
91-20-3	Naphthalene	85.3	U	85.3	180	ug/Kg
106-47-8	4-Chloroaniline	85.3	UQ	85.3	180	ug/Kg
87-68-3	Hexachlorobutadiene	86.0	U	86.0	180	ug/Kg
105-60-2	Caprolactam	89.6	U	89.6	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	80.0	U	80.0	180	ug/Kg
91-57-6	2-Methylnaphthalene	85.2	U	85.2	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	UQ	160	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	73.7	U	73.7	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	76.4	U	76.4	180	ug/Kg
92-52-4	1,1-Biphenyl	90.2	U	90.2	180	ug/Kg
91-58-7	2-Chloronaphthalene	86.0	U	86.0	180	ug/Kg
88-74-4	2-Nitroaniline	98.1	U	98.1	180	ug/Kg
131-11-3	Dimethylphthalate	84.3	U	84.3	180	ug/Kg

Raw Data: **BF140588.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-001	SDG No.:	P4860
Lab Sample ID:	P4860-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.8
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
BF140588.D	1	11/16/24 08:51	11/22/24 19:53	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	89.3	U	89.3	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	85.9	U	85.9	180	ug/Kg
99-09-2	3-Nitroaniline	92.1	UQ	92.1	180	ug/Kg
83-32-9	Acenaphthene	83.7	U	83.7	180	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	340	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	340	ug/Kg
132-64-9	Dibenzofuran	87.1	U	87.1	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	89.0	U	89.0	180	ug/Kg
84-66-2	Diethylphthalate	82.7	U	82.7	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	88.4	U	88.4	180	ug/Kg
86-73-7	Fluorene	88.3	U	88.3	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	84.2	U	84.2	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	81.5	U	81.5	180	ug/Kg
118-74-1	Hexachlorobenzene	87.8	U	87.8	180	ug/Kg
1912-24-9	Atrazine	94.4	U	94.4	180	ug/Kg
87-86-5	Pentachlorophenol	79.8	U	79.8	340	ug/Kg
85-01-8	Phenanthrene	86.7	U	86.7	180	ug/Kg
120-12-7	Anthracene	87.1	U	87.1	180	ug/Kg
86-74-8	Carbazole	82.9	U	82.9	180	ug/Kg
84-74-2	Di-n-butylphthalate	87.0	U	87.0	180	ug/Kg
206-44-0	Fluoranthene	84.3	U	84.3	180	ug/Kg
129-00-0	Pyrene	85.7	U	85.7	180	ug/Kg
85-68-7	Butylbenzylphthalate	99.9	U	99.9	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	UQ	100	340	ug/Kg
56-55-3	Benzo(a)anthracene	83.3	U	83.3	180	ug/Kg
218-01-9	Chrysene	82.1	U	82.1	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	420		93.9	180	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	83.7	U	83.7	180	ug/Kg

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-001	SDG No.:	P4860
Lab Sample ID:	P4860-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.8
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
BF140588.D	1	11/16/24 08:51	11/22/24 19:53	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	85.3	U	85.3	180	ug/Kg
50-32-8	Benzo(a)pyrene	96.0	U	96.0	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	80.6	U	80.6	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	83.8	U	83.8	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	82.7	U	82.7	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.6	U	89.6	180	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	77.1	U	77.1	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	99.7		30 (18) - 130 (112)	66%	SPK: 150
13127-88-3	Phenol-d6	96.8		30 (15) - 130 (107)	65%	SPK: 150
4165-60-0	Nitrobenzene-d5	71.8		30 (18) - 130 (107)	72%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.9		30 (20) - 130 (109)	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	86.7		30 (10) - 130 (116)	58%	SPK: 150
1718-51-0	Terphenyl-d14	67.9		30 (10) - 130 (105)	68%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	92000	6.869			
1146-65-2	Naphthalene-d8	310000	8.151			
15067-26-2	Acenaphthene-d10	141000	9.904			
1517-22-2	Phenanthrene-d10	224000	11.398			
1719-03-5	Chrysene-d12	149000	14.045			
1520-96-3	Perylene-d12	113000	15.533			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	1200	JB		2.13	ug/Kg
055000-52-7	Hexadecane, 2,6,10-trimethyl-	230	J		10.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	500	J		11.9	ug/Kg
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	220	J		12.3	ug/Kg
006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13	730	J		12.7	ug/Kg
055045-10-8	Tridecane, 6-propyl-	240	J		13.2	ug/Kg
000629-78-7	Heptadecane	410	J		13.6	ug/Kg

Raw Data: **BF140588.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-001	SDG No.:	P4860
Lab Sample ID:	P4860-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.8
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
BF140588.D	1	11/16/24 08:51	11/22/24 19:53	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
028336-57-4	Cyclohexane, 1,3,5-triphenyl-	600	J		13.8	ug/Kg
000112-95-8	Eicosane	750	J		13.9	ug/Kg
004757-69-1	1H-Indole, 2-methyl-3-phenyl-	360	J		14.2	ug/Kg
000638-67-5	Tricosane	950	J		14.2	ug/Kg
000629-94-7	Heneicosane	650	J		14.5	ug/Kg
000630-02-4	Octacosane	410	J		14.8	ug/Kg
007683-64-9	Supraene	250	J		14.9	ug/Kg
055282-11-6	Heneicosane, 11-(1-ethylpropyl)-	420	J		15.2	ug/Kg
014905-56-7	Tetradecane, 2,6,10-trimethyl-	240	J		16.0	ug/Kg
1000514-95-7	5.beta.-Cholestan-3.alpha.-ol, 2-m	1600	J		16.2	ug/Kg
1010210-43-4	Cholestan-2-one	1800	J		16.5	ug/Kg
019466-47-8	Stigmastanol	320	J		17.4	ug/Kg
	unknown17.657	440	J		17.7	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: **BF140622.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-002	SDG No.:	P4860
Lab Sample ID:	P4860-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140622.D	1	11/16/24 08:51	11/25/24 23:48	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	UQ	190	340	ug/Kg
108-95-2	Phenol	85.7	U	85.7	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	86.5	U	86.5	180	ug/Kg
95-57-8	2-Chlorophenol	86.3	U	86.3	180	ug/Kg
95-48-7	2-Methylphenol	83.3	U	83.3	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	93.9	U	93.9	180	ug/Kg
98-86-2	Acetophenone	89.8	U	89.8	180	ug/Kg
65794-96-9	3+4-Methylphenols	82.5	U	82.5	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.6	U	41.6	82.7	ug/Kg
67-72-1	Hexachloroethane	85.8	U	85.8	180	ug/Kg
98-95-3	Nitrobenzene	93.8	U	93.8	180	ug/Kg
78-59-1	Isophorone	87.4	U	87.4	180	ug/Kg
88-75-5	2-Nitrophenol	97.7	U	97.7	180	ug/Kg
105-67-9	2,4-Dimethylphenol	96.3	U	96.3	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	88.7	U	88.7	180	ug/Kg
120-83-2	2,4-Dichlorophenol	78.0	U	78.0	180	ug/Kg
91-20-3	Naphthalene	85.4	U	85.4	180	ug/Kg
106-47-8	4-Chloroaniline	85.4	UQ	85.4	180	ug/Kg
87-68-3	Hexachlorobutadiene	86.1	U	86.1	180	ug/Kg
105-60-2	Caprolactam	89.7	U	89.7	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	80.1	U	80.1	180	ug/Kg
91-57-6	2-Methylnaphthalene	85.3	U	85.3	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	UQ	160	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	73.8	U	73.8	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	76.5	U	76.5	180	ug/Kg
92-52-4	1,1-Biphenyl	90.3	U	90.3	180	ug/Kg
91-58-7	2-Chloronaphthalene	86.1	U	86.1	180	ug/Kg
88-74-4	2-Nitroaniline	98.2	U	98.2	180	ug/Kg
131-11-3	Dimethylphthalate	84.4	U	84.4	180	ug/Kg

Raw Data: **BF140622.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-002	SDG No.:	P4860
Lab Sample ID:	P4860-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140622.D	1	11/16/24 08:51	11/25/24 23:48	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	89.4	U	89.4	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	86.0	U	86.0	180	ug/Kg
99-09-2	3-Nitroaniline	92.2	UQ	92.2	180	ug/Kg
83-32-9	Acenaphthene	83.8	U	83.8	180	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	340	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	340	ug/Kg
132-64-9	Dibenzofuran	87.2	U	87.2	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	89.1	U	89.1	180	ug/Kg
84-66-2	Diethylphthalate	82.8	U	82.8	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	88.5	U	88.5	180	ug/Kg
86-73-7	Fluorene	88.4	U	88.4	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	84.3	U	84.3	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	81.5	U	81.5	180	ug/Kg
118-74-1	Hexachlorobenzene	87.8	U	87.8	180	ug/Kg
1912-24-9	Atrazine	94.5	U	94.5	180	ug/Kg
87-86-5	Pentachlorophenol	79.9	U	79.9	340	ug/Kg
85-01-8	Phenanthrene	86.8	U	86.8	180	ug/Kg
120-12-7	Anthracene	87.2	U	87.2	180	ug/Kg
86-74-8	Carbazole	83.0	U	83.0	180	ug/Kg
84-74-2	Di-n-butylphthalate	87.1	U	87.1	180	ug/Kg
206-44-0	Fluoranthene	84.4	U	84.4	180	ug/Kg
129-00-0	Pyrene	85.8	U	85.8	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	UQ	100	340	ug/Kg
56-55-3	Benzo(a)anthracene	83.4	U	83.4	180	ug/Kg
218-01-9	Chrysene	82.2	U	82.2	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	95.8	J	94.0	180	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	83.8	U	83.8	180	ug/Kg

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-002	SDG No.:	P4860
Lab Sample ID:	P4860-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140622.D	1	11/16/24 08:51	11/25/24 23:48	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	85.4	U	85.4	180	ug/Kg
50-32-8	Benzo(a)pyrene	96.1	U	96.1	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	80.7	U	80.7	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	83.9	U	83.9	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	82.8	U	82.8	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.7	U	89.7	180	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	77.2	U	77.2	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	110		30 (18) - 130 (112)	74%	SPK: 150
13127-88-3	Phenol-d6	108		30 (15) - 130 (107)	72%	SPK: 150
4165-60-0	Nitrobenzene-d5	74.3		30 (18) - 130 (107)	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.4		30 (20) - 130 (109)	77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	109		30 (10) - 130 (116)	73%	SPK: 150
1718-51-0	Terphenyl-d14	69.3		30 (10) - 130 (105)	69%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	57900	6.869			
1146-65-2	Naphthalene-d8	212000	8.151			
15067-26-2	Acenaphthene-d10	115000	9.904			
1517-22-2	Phenanthrene-d10	211000	11.392			
1719-03-5	Chrysene-d12	124000	14.045			
1520-96-3	Perylene-d12	108000	15.539			
TENTATIVE IDENTIFIED COMPOUNDS						
000119-61-9	Benzophenone	510	J		10.6	ug/Kg
000947-19-3	Methanone, (1-hydroxycyclohexyl)ph	82.3	J		10.9	ug/Kg
000057-10-3	n-Hexadecanoic acid	180	J		11.9	ug/Kg
006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13	84.4	J		12.6	ug/Kg
007683-64-9	Supraene	100	J		14.9	ug/Kg
000630-01-3	Hexacosane	130	J		15.2	ug/Kg
000516-92-7	Cholestan-3-ol, (3.alpha.,5.beta.)	530	J		16.3	ug/Kg

Raw Data: **BF140622.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-002	SDG No.:	P4860
Lab Sample ID:	P4860-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140622.D	1	11/16/24 08:51	11/25/24 23:48	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000601-53-6	Cholestan-3-one, (5.beta.)-	390	J		16.4	ug/Kg
	unknown17.068	98.5	J		17.1	ug/Kg
	unknown17.657	110	J		17.7	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: **BF140620.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-003	SDG No.:	P4860
Lab Sample ID:	P4860-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140620.D	1	11/16/24 08:51	11/25/24 22:55	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	UQ	190	340	ug/Kg
108-95-2	Phenol	84.7	U	84.7	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	85.5	U	85.5	170	ug/Kg
95-57-8	2-Chlorophenol	85.3	U	85.3	170	ug/Kg
95-48-7	2-Methylphenol	82.3	U	82.3	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	92.9	U	92.9	170	ug/Kg
98-86-2	Acetophenone	88.8	U	88.8	170	ug/Kg
65794-96-9	3+4-Methylphenols	81.5	U	81.5	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.2	U	41.2	81.7	ug/Kg
67-72-1	Hexachloroethane	84.8	U	84.8	170	ug/Kg
98-95-3	Nitrobenzene	92.7	U	92.7	170	ug/Kg
78-59-1	Isophorone	86.4	U	86.4	170	ug/Kg
88-75-5	2-Nitrophenol	96.5	U	96.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	95.2	U	95.2	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	87.6	U	87.6	170	ug/Kg
120-83-2	2,4-Dichlorophenol	77.1	U	77.1	170	ug/Kg
91-20-3	Naphthalene	84.4	U	84.4	170	ug/Kg
106-47-8	4-Chloroaniline	84.4	UQ	84.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	85.1	U	85.1	170	ug/Kg
105-60-2	Caprolactam	88.7	U	88.7	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	79.2	U	79.2	170	ug/Kg
91-57-6	2-Methylnaphthalene	84.3	U	84.3	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	UQ	160	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	72.9	U	72.9	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	75.6	U	75.6	170	ug/Kg
92-52-4	1,1-Biphenyl	89.3	U	89.3	170	ug/Kg
91-58-7	2-Chloronaphthalene	85.1	U	85.1	170	ug/Kg
88-74-4	2-Nitroaniline	97.0	U	97.0	170	ug/Kg
131-11-3	Dimethylphthalate	83.5	U	83.5	170	ug/Kg

Raw Data: **BF140620.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-003	SDG No.:	P4860
Lab Sample ID:	P4860-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140620.D	1	11/16/24 08:51	11/25/24 22:55	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	88.4	U	88.4	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	85.0	U	85.0	170	ug/Kg
99-09-2	3-Nitroaniline	91.1	UQ	91.1	170	ug/Kg
83-32-9	Acenaphthene	82.8	U	82.8	170	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	340	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	340	ug/Kg
132-64-9	Dibenzofuran	86.2	U	86.2	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	88.1	U	88.1	170	ug/Kg
84-66-2	Diethylphthalate	81.8	U	81.8	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	87.4	U	87.4	170	ug/Kg
86-73-7	Fluorene	87.3	U	87.3	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	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	83.4	U	83.4	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	80.6	U	80.6	170	ug/Kg
118-74-1	Hexachlorobenzene	86.8	U	86.8	170	ug/Kg
1912-24-9	Atrazine	93.4	U	93.4	170	ug/Kg
87-86-5	Pentachlorophenol	79.0	U	79.0	340	ug/Kg
85-01-8	Phenanthrene	85.8	U	85.8	170	ug/Kg
120-12-7	Anthracene	86.2	U	86.2	170	ug/Kg
86-74-8	Carbazole	82.0	U	82.0	170	ug/Kg
84-74-2	Di-n-butylphthalate	86.1	U	86.1	170	ug/Kg
206-44-0	Fluoranthene	83.5	U	83.5	170	ug/Kg
129-00-0	Pyrene	84.8	U	84.8	170	ug/Kg
85-68-7	Butylbenzylphthalate	98.9	U	98.9	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	UQ	100	340	ug/Kg
56-55-3	Benzo(a)anthracene	82.4	U	82.4	170	ug/Kg
218-01-9	Chrysene	81.2	U	81.2	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	93.0	U	93.0	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	82.8	U	82.8	170	ug/Kg

Raw Data: **BF140620.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-003	SDG No.:	P4860
Lab Sample ID:	P4860-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140620.D	1	11/16/24 08:51	11/25/24 22:55	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	84.4	U	84.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	95.0	U	95.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	79.8	U	79.8	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	82.9	U	82.9	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	81.8	U	81.8	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	88.7	U	88.7	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	76.3	U	76.3	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	102		30 (18) - 130 (112)	68%	SPK: 150
13127-88-3	Phenol-d6	101		30 (15) - 130 (107)	67%	SPK: 150
4165-60-0	Nitrobenzene-d5	70.4		30 (18) - 130 (107)	70%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.2		30 (20) - 130 (109)	73%	SPK: 100
118-79-6	2,4,6-Tribromophenol	102		30 (10) - 130 (116)	68%	SPK: 150
1718-51-0	Terphenyl-d14	72.7		30 (10) - 130 (105)	73%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	59200	6.869			
1146-65-2	Naphthalene-d8	216000	8.151			
15067-26-2	Acenaphthene-d10	118000	9.904			
1517-22-2	Phenanthrene-d10	223000	11.392			
1719-03-5	Chrysene-d12	134000	14.039			
1520-96-3	Perylene-d12	132000	15.527			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	70.8	A		5.09	ug/Kg
000119-61-9	Benzophenone	140	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	120	J		11.9	ug/Kg
074339-53-0	Trichloroacetic acid, pentadecyl e	170	J		13.9	ug/Kg
000111-02-4	Squalene	91.9	J		14.9	ug/Kg
	unknown16.427	77.3	J		16.4	ug/Kg

Raw Data: **BF140620.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-003	SDG No.:	P4860
Lab Sample ID:	P4860-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140620.D	1	11/16/24 08:51	11/25/24 22:55	PB165029

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: **BF140579.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-004	SDG No.:	P4860
Lab Sample ID:	P4860-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	98.1
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
BF140579.D	1	11/16/24 08:51	11/22/24 15:58	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	UQ	190	340	ug/Kg
108-95-2	Phenol	84.3	U	84.3	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	85.1	U	85.1	170	ug/Kg
95-57-8	2-Chlorophenol	84.9	U	84.9	170	ug/Kg
95-48-7	2-Methylphenol	81.9	U	81.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	92.4	U	92.4	170	ug/Kg
98-86-2	Acetophenone	88.3	U	88.3	170	ug/Kg
65794-96-9	3+4-Methylphenols	81.1	U	81.1	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.0	U	41.0	81.3	ug/Kg
67-72-1	Hexachloroethane	84.4	U	84.4	170	ug/Kg
98-95-3	Nitrobenzene	92.3	U	92.3	170	ug/Kg
78-59-1	Isophorone	86.0	U	86.0	170	ug/Kg
88-75-5	2-Nitrophenol	96.1	U	96.1	170	ug/Kg
105-67-9	2,4-Dimethylphenol	94.8	U	94.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	87.2	U	87.2	170	ug/Kg
120-83-2	2,4-Dichlorophenol	76.8	U	76.8	170	ug/Kg
91-20-3	Naphthalene	84.0	U	84.0	170	ug/Kg
106-47-8	4-Chloroaniline	84.0	UQ	84.0	170	ug/Kg
87-68-3	Hexachlorobutadiene	84.7	U	84.7	170	ug/Kg
105-60-2	Caprolactam	88.2	U	88.2	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	78.8	U	78.8	170	ug/Kg
91-57-6	2-Methylnaphthalene	83.9	U	83.9	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	UQ	160	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	72.6	U	72.6	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	75.2	U	75.2	170	ug/Kg
92-52-4	1,1-Biphenyl	88.9	U	88.9	170	ug/Kg
91-58-7	2-Chloronaphthalene	84.7	U	84.7	170	ug/Kg
88-74-4	2-Nitroaniline	96.6	U	96.6	170	ug/Kg
131-11-3	Dimethylphthalate	83.1	U	83.1	170	ug/Kg

Raw Data: **BF140579.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-004	SDG No.:	P4860
Lab Sample ID:	P4860-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	98.1
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
BF140579.D	1	11/16/24 08:51	11/22/24 15:58	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	87.9	U	87.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	84.6	U	84.6	170	ug/Kg
99-09-2	3-Nitroaniline	90.7	UQ	90.7	170	ug/Kg
83-32-9	Acenaphthene	82.5	U	82.5	170	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	340	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	340	ug/Kg
132-64-9	Dibenzofuran	85.8	U	85.8	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	87.6	U	87.6	170	ug/Kg
84-66-2	Diethylphthalate	81.4	U	81.4	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	87.0	U	87.0	170	ug/Kg
86-73-7	Fluorene	86.9	U	86.9	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	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	83.0	U	83.0	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	80.2	U	80.2	170	ug/Kg
118-74-1	Hexachlorobenzene	86.4	U	86.4	170	ug/Kg
1912-24-9	Atrazine	92.9	U	92.9	170	ug/Kg
87-86-5	Pentachlorophenol	78.6	U	78.6	340	ug/Kg
85-01-8	Phenanthrene	85.4	U	85.4	170	ug/Kg
120-12-7	Anthracene	85.8	U	85.8	170	ug/Kg
86-74-8	Carbazole	81.6	U	81.6	170	ug/Kg
84-74-2	Di-n-butylphthalate	85.7	U	85.7	170	ug/Kg
206-44-0	Fluoranthene	83.1	U	83.1	170	ug/Kg
129-00-0	Pyrene	84.4	U	84.4	170	ug/Kg
85-68-7	Butylbenzylphthalate	98.4	U	98.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	UQ	100	340	ug/Kg
56-55-3	Benzo(a)anthracene	82.0	U	82.0	170	ug/Kg
218-01-9	Chrysene	80.8	U	80.8	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	92.5	U	92.5	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	82.5	U	82.5	170	ug/Kg

Raw Data: **BF140579.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-004	SDG No.:	P4860
Lab Sample ID:	P4860-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	98.1
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
BF140579.D	1	11/16/24 08:51	11/22/24 15:58	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	84.0	U	84.0	170	ug/Kg
50-32-8	Benzo(a)pyrene	94.5	U	94.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	79.4	U	79.4	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	82.6	U	82.6	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	81.4	U	81.4	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	88.2	U	88.2	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	75.9	U	75.9	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	87.3		30 (18) - 130 (112)	58%	SPK: 150
13127-88-3	Phenol-d6	84.5		30 (15) - 130 (107)	56%	SPK: 150
4165-60-0	Nitrobenzene-d5	59.5		30 (18) - 130 (107)	59%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.7		30 (20) - 130 (109)	64%	SPK: 100
118-79-6	2,4,6-Tribromophenol	82.4		30 (10) - 130 (116)	55%	SPK: 150
1718-51-0	Terphenyl-d14	63.6		30 (10) - 130 (105)	64%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	90900	6.869			
1146-65-2	Naphthalene-d8	333000	8.151			
15067-26-2	Acenaphthene-d10	173000	9.904			
1517-22-2	Phenanthrene-d10	324000	11.398			
1719-03-5	Chrysene-d12	178000	14.045			
1520-96-3	Perylene-d12	173000	15.533			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	1400	JB		2.14	ug/Kg
000119-61-9	Benzophenone	370	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	93.9	J		11.9	ug/Kg
1000406-04-8	Pentadecafluorooctanoic acid, octa	150	J		13.9	ug/Kg

Raw Data: **BF140579.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-004	SDG No.:	P4860
Lab Sample ID:	P4860-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	98.1
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
BF140579.D	1	11/16/24 08:51	11/22/24 15:58	PB165029

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: **BF140615.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-009	SDG No.:	P4860
Lab Sample ID:	P4860-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	98.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140615.D	1	11/16/24 08:51	11/25/24 20:45	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	UQ	180	340	ug/Kg
108-95-2	Phenol	84.2	U	84.2	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	85.0	U	85.0	170	ug/Kg
95-57-8	2-Chlorophenol	84.8	U	84.8	170	ug/Kg
95-48-7	2-Methylphenol	81.8	U	81.8	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	92.3	U	92.3	170	ug/Kg
98-86-2	Acetophenone	88.2	U	88.2	170	ug/Kg
65794-96-9	3+4-Methylphenols	81.0	U	81.0	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.9	U	40.9	81.2	ug/Kg
67-72-1	Hexachloroethane	84.3	U	84.3	170	ug/Kg
98-95-3	Nitrobenzene	92.2	U	92.2	170	ug/Kg
78-59-1	Isophorone	85.9	U	85.9	170	ug/Kg
88-75-5	2-Nitrophenol	95.9	U	95.9	170	ug/Kg
105-67-9	2,4-Dimethylphenol	94.6	U	94.6	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	87.1	U	87.1	170	ug/Kg
120-83-2	2,4-Dichlorophenol	76.7	U	76.7	170	ug/Kg
91-20-3	Naphthalene	83.9	U	83.9	170	ug/Kg
106-47-8	4-Chloroaniline	83.9	UQ	83.9	170	ug/Kg
87-68-3	Hexachlorobutadiene	84.6	U	84.6	170	ug/Kg
105-60-2	Caprolactam	88.1	U	88.1	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	78.7	U	78.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	83.8	U	83.8	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	UQ	160	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	72.5	U	72.5	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	75.1	U	75.1	170	ug/Kg
92-52-4	1,1-Biphenyl	88.7	U	88.7	170	ug/Kg
91-58-7	2-Chloronaphthalene	84.6	U	84.6	170	ug/Kg
88-74-4	2-Nitroaniline	96.5	U	96.5	170	ug/Kg
131-11-3	Dimethylphthalate	82.9	U	82.9	170	ug/Kg

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-009	SDG No.:	P4860
Lab Sample ID:	P4860-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	98.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140615.D	1	11/16/24 08:51	11/25/24 20:45	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	87.8	U	87.8	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	84.5	U	84.5	170	ug/Kg
99-09-2	3-Nitroaniline	90.6	UQ	90.6	170	ug/Kg
83-32-9	Acenaphthene	82.3	U	82.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	340	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	340	ug/Kg
132-64-9	Dibenzofuran	85.7	U	85.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	87.5	U	87.5	170	ug/Kg
84-66-2	Diethylphthalate	81.3	U	81.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	86.9	U	86.9	170	ug/Kg
86-73-7	Fluorene	86.8	U	86.8	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	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	82.8	U	82.8	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	80.1	U	80.1	170	ug/Kg
118-74-1	Hexachlorobenzene	86.3	U	86.3	170	ug/Kg
1912-24-9	Atrazine	92.8	U	92.8	170	ug/Kg
87-86-5	Pentachlorophenol	78.5	U	78.5	340	ug/Kg
85-01-8	Phenanthrene	85.3	U	85.3	170	ug/Kg
120-12-7	Anthracene	85.7	U	85.7	170	ug/Kg
86-74-8	Carbazole	81.5	U	81.5	170	ug/Kg
84-74-2	Di-n-butylphthalate	85.6	U	85.6	170	ug/Kg
206-44-0	Fluoranthene	82.9	U	82.9	170	ug/Kg
129-00-0	Pyrene	84.3	U	84.3	170	ug/Kg
85-68-7	Butylbenzylphthalate	98.3	U	98.3	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	UQ	100	340	ug/Kg
56-55-3	Benzo(a)anthracene	81.9	U	81.9	170	ug/Kg
218-01-9	Chrysene	80.7	U	80.7	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	92.4	U	92.4	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	82.3	U	82.3	170	ug/Kg

Raw Data: **BF140615.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-009	SDG No.:	P4860
Lab Sample ID:	P4860-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	98.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140615.D	1	11/16/24 08:51	11/25/24 20:45	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	83.9	U	83.9	170	ug/Kg
50-32-8	Benzo(a)pyrene	94.4	U	94.4	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	79.3	U	79.3	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	82.4	U	82.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	81.3	U	81.3	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	88.1	U	88.1	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	75.8	U	75.8	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	86.9		30 (18) - 130 (112)	58%	SPK: 150
13127-88-3	Phenol-d6	87.6		30 (15) - 130 (107)	58%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.1		30 (18) - 130 (107)	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	62.8		30 (20) - 130 (109)	63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	79.0		30 (10) - 130 (116)	53%	SPK: 150
1718-51-0	Terphenyl-d14	60.9		30 (10) - 130 (105)	61%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	56300	6.869			
1146-65-2	Naphthalene-d8	212000	8.151			
15067-26-2	Acenaphthene-d10	115000	9.904			
1517-22-2	Phenanthrene-d10	214000	11.392			
1719-03-5	Chrysene-d12	142000	14.045			
1520-96-3	Perylene-d12	130000	15.539			
TENTATIVE IDENTIFIED COMPOUNDS						
000119-61-9	Benzophenone	400	J		10.6	ug/Kg
000947-19-3	Methanone, (1-hydroxycyclohexyl)ph	70.1	J		10.9	ug/Kg
036653-82-4	1-Hexadecanol	120	J		13.9	ug/Kg

Raw Data: **BF140615.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-009	SDG No.:	P4860
Lab Sample ID:	P4860-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	98.3
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140615.D	1	11/16/24 08:51	11/25/24 20:45	PB165029

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: **BF140621.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-008	SDG No.:	P4860
Lab Sample ID:	P4860-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.8
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
BF140621.D	1	11/16/24 08:51	11/25/24 23:22	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	UQ	190	340	ug/Kg
108-95-2	Phenol	85.5	U	85.5	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	86.4	U	86.4	180	ug/Kg
95-57-8	2-Chlorophenol	86.1	U	86.1	180	ug/Kg
95-48-7	2-Methylphenol	83.2	U	83.2	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	93.8	U	93.8	180	ug/Kg
98-86-2	Acetophenone	89.7	U	89.7	180	ug/Kg
65794-96-9	3+4-Methylphenols	82.3	U	82.3	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.6	U	41.6	82.5	ug/Kg
67-72-1	Hexachloroethane	85.6	U	85.6	180	ug/Kg
98-95-3	Nitrobenzene	93.7	U	93.7	180	ug/Kg
78-59-1	Isophorone	87.3	U	87.3	180	ug/Kg
88-75-5	2-Nitrophenol	97.5	U	97.5	180	ug/Kg
105-67-9	2,4-Dimethylphenol	96.2	U	96.2	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	88.5	U	88.5	180	ug/Kg
120-83-2	2,4-Dichlorophenol	77.9	U	77.9	180	ug/Kg
91-20-3	Naphthalene	85.2	U	85.2	180	ug/Kg
106-47-8	4-Chloroaniline	85.2	UQ	85.2	180	ug/Kg
87-68-3	Hexachlorobutadiene	85.9	U	85.9	180	ug/Kg
105-60-2	Caprolactam	89.6	U	89.6	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	80.0	U	80.0	180	ug/Kg
91-57-6	2-Methylnaphthalene	85.1	U	85.1	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	UQ	160	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	73.7	U	73.7	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	76.3	U	76.3	180	ug/Kg
92-52-4	1,1-Biphenyl	90.2	U	90.2	180	ug/Kg
91-58-7	2-Chloronaphthalene	85.9	U	85.9	180	ug/Kg
88-74-4	2-Nitroaniline	98.0	U	98.0	180	ug/Kg
131-11-3	Dimethylphthalate	84.3	U	84.3	180	ug/Kg

Raw Data: **BF140621.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-008	SDG No.:	P4860
Lab Sample ID:	P4860-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.8
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
BF140621.D	1	11/16/24 08:51	11/25/24 23:22	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	89.2	U	89.2	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	85.8	U	85.8	180	ug/Kg
99-09-2	3-Nitroaniline	92.0	UQ	92.0	180	ug/Kg
83-32-9	Acenaphthene	83.7	U	83.7	180	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	340	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	340	ug/Kg
132-64-9	Dibenzofuran	87.1	U	87.1	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	88.9	U	88.9	180	ug/Kg
84-66-2	Diethylphthalate	82.6	U	82.6	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	88.3	U	88.3	180	ug/Kg
86-73-7	Fluorene	88.2	U	88.2	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	84.2	U	84.2	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	81.4	U	81.4	180	ug/Kg
118-74-1	Hexachlorobenzene	87.7	U	87.7	180	ug/Kg
1912-24-9	Atrazine	94.3	U	94.3	180	ug/Kg
87-86-5	Pentachlorophenol	79.7	U	79.7	340	ug/Kg
85-01-8	Phenanthrene	86.7	U	86.7	180	ug/Kg
120-12-7	Anthracene	87.1	U	87.1	180	ug/Kg
86-74-8	Carbazole	82.8	U	82.8	180	ug/Kg
84-74-2	Di-n-butylphthalate	87.0	U	87.0	180	ug/Kg
206-44-0	Fluoranthene	84.3	U	84.3	180	ug/Kg
129-00-0	Pyrene	85.6	U	85.6	180	ug/Kg
85-68-7	Butylbenzylphthalate	99.9	U	99.9	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	UQ	100	340	ug/Kg
56-55-3	Benzo(a)anthracene	83.3	U	83.3	180	ug/Kg
218-01-9	Chrysene	82.0	U	82.0	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	93.9	U	93.9	180	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	83.7	U	83.7	180	ug/Kg

Raw Data: **BF140621.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-008	SDG No.:	P4860
Lab Sample ID:	P4860-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.8
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
BF140621.D	1	11/16/24 08:51	11/25/24 23:22	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	85.2	U	85.2	180	ug/Kg
50-32-8	Benzo(a)pyrene	95.9	U	95.9	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	80.6	U	80.6	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	83.8	U	83.8	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	82.6	U	82.6	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.6	U	89.6	180	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	77.1	U	77.1	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	92.1		30 (18) - 130 (112)	61%	SPK: 150
13127-88-3	Phenol-d6	90.4		30 (15) - 130 (107)	60%	SPK: 150
4165-60-0	Nitrobenzene-d5	62.1		30 (18) - 130 (107)	62%	SPK: 100
321-60-8	2-Fluorobiphenyl	64.9		30 (20) - 130 (109)	65%	SPK: 100
118-79-6	2,4,6-Tribromophenol	88.7		30 (10) - 130 (116)	59%	SPK: 150
1718-51-0	Terphenyl-d14	60.5		30 (10) - 130 (105)	60%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	56800	6.869			
1146-65-2	Naphthalene-d8	212000	8.151			
15067-26-2	Acenaphthene-d10	114000	9.904			
1517-22-2	Phenanthrene-d10	220000	11.392			
1719-03-5	Chrysene-d12	128000	14.039			
1520-96-3	Perylene-d12	122000	15.533			
TENTATIVE IDENTIFIED COMPOUNDS						
000119-61-9	Benzophenone	500	J		10.6	ug/Kg
001123-28-0	1-Hydroxycyclohexanecarboxylic aci	74.6	J		10.9	ug/Kg
000057-10-3	n-Hexadecanoic acid	89.8	J		11.9	ug/Kg

Raw Data: **BF140621.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-008	SDG No.:	P4860
Lab Sample ID:	P4860-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.8
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
BF140621.D	1	11/16/24 08:51	11/25/24 23:22	PB165029

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: **BF140578.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-007	SDG No.:	P4860
Lab Sample ID:	P4860-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	98
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140578.D	1	11/16/24 08:51	11/22/24 15:32	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	UQ	190	340	ug/Kg
108-95-2	Phenol	84.5	U	84.5	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	85.3	U	85.3	170	ug/Kg
95-57-8	2-Chlorophenol	85.1	U	85.1	170	ug/Kg
95-48-7	2-Methylphenol	82.1	U	82.1	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	92.6	U	92.6	170	ug/Kg
98-86-2	Acetophenone	88.5	U	88.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	81.3	U	81.3	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.1	U	41.1	81.5	ug/Kg
67-72-1	Hexachloroethane	84.6	U	84.6	170	ug/Kg
98-95-3	Nitrobenzene	92.5	U	92.5	170	ug/Kg
78-59-1	Isophorone	86.2	U	86.2	170	ug/Kg
88-75-5	2-Nitrophenol	96.3	U	96.3	170	ug/Kg
105-67-9	2,4-Dimethylphenol	94.9	U	94.9	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	87.4	U	87.4	170	ug/Kg
120-83-2	2,4-Dichlorophenol	76.9	U	76.9	170	ug/Kg
91-20-3	Naphthalene	84.1	U	84.1	170	ug/Kg
106-47-8	4-Chloroaniline	84.1	UQ	84.1	170	ug/Kg
87-68-3	Hexachlorobutadiene	84.9	U	84.9	170	ug/Kg
105-60-2	Caprolactam	88.4	U	88.4	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	79.0	U	79.0	170	ug/Kg
91-57-6	2-Methylnaphthalene	84.0	U	84.0	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	UQ	160	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	72.7	U	72.7	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	75.4	U	75.4	170	ug/Kg
92-52-4	1,1-Biphenyl	89.0	U	89.0	170	ug/Kg
91-58-7	2-Chloronaphthalene	84.9	U	84.9	170	ug/Kg
88-74-4	2-Nitroaniline	96.8	U	96.8	170	ug/Kg
131-11-3	Dimethylphthalate	83.2	U	83.2	170	ug/Kg

Raw Data: **BF140578.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-007	SDG No.:	P4860
Lab Sample ID:	P4860-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	98
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140578.D	1	11/16/24 08:51	11/22/24 15:32	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	88.1	U	88.1	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	84.8	U	84.8	170	ug/Kg
99-09-2	3-Nitroaniline	90.9	UQ	90.9	170	ug/Kg
83-32-9	Acenaphthene	82.6	U	82.6	170	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	340	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	340	ug/Kg
132-64-9	Dibenzofuran	86.0	U	86.0	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	87.8	U	87.8	170	ug/Kg
84-66-2	Diethylphthalate	81.6	U	81.6	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	87.2	U	87.2	170	ug/Kg
86-73-7	Fluorene	87.1	U	87.1	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	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	83.1	U	83.1	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	80.4	U	80.4	170	ug/Kg
118-74-1	Hexachlorobenzene	86.6	U	86.6	170	ug/Kg
1912-24-9	Atrazine	93.1	U	93.1	170	ug/Kg
87-86-5	Pentachlorophenol	78.7	U	78.7	340	ug/Kg
85-01-8	Phenanthrene	85.6	U	85.6	170	ug/Kg
120-12-7	Anthracene	86.0	U	86.0	170	ug/Kg
86-74-8	Carbazole	81.8	U	81.8	170	ug/Kg
84-74-2	Di-n-butylphthalate	85.9	U	85.9	170	ug/Kg
206-44-0	Fluoranthene	83.2	U	83.2	170	ug/Kg
129-00-0	Pyrene	84.6	U	84.6	170	ug/Kg
85-68-7	Butylbenzylphthalate	98.6	U	98.6	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	UQ	100	340	ug/Kg
56-55-3	Benzo(a)anthracene	82.2	U	82.2	170	ug/Kg
218-01-9	Chrysene	81.0	U	81.0	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	92.7	U	92.7	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	82.6	U	82.6	170	ug/Kg

Raw Data: **BF140578.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-007	SDG No.:	P4860
Lab Sample ID:	P4860-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	98
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140578.D	1	11/16/24 08:51	11/22/24 15:32	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	84.1	U	84.1	170	ug/Kg
50-32-8	Benzo(a)pyrene	94.7	U	94.7	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	79.6	U	79.6	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	82.7	U	82.7	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	81.6	U	81.6	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	88.4	U	88.4	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	76.1	U	76.1	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	75.2		30 (18) - 130 (112)	50%	SPK: 150
13127-88-3	Phenol-d6	75.3		30 (15) - 130 (107)	50%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.4		30 (18) - 130 (107)	52%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.8		30 (20) - 130 (109)	56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	74.2		30 (10) - 130 (116)	49%	SPK: 150
1718-51-0	Terphenyl-d14	54.1		30 (10) - 130 (105)	54%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	93300	6.869			
1146-65-2	Naphthalene-d8	346000	8.151			
15067-26-2	Acenaphthene-d10	184000	9.904			
1517-22-2	Phenanthrene-d10	341000	11.398			
1719-03-5	Chrysene-d12	203000	14.045			
1520-96-3	Perylene-d12	190000	15.533			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	1200	JB		2.14	ug/Kg
000119-61-9	Benzophenone	320	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	130	J		11.9	ug/Kg
010192-32-2	1-Tetracosene	150	J		13.9	ug/Kg

Raw Data: **BF140578.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-007	SDG No.:	P4860
Lab Sample ID:	P4860-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	98
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140578.D	1	11/16/24 08:51	11/22/24 15:32	PB165029

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: **BF140608.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006	SDG No.:	P4860
Lab Sample ID:	P4860-09	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.5
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
BF140608.D	1	11/16/24 08:51	11/25/24 17:41	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	UQ	190	340	ug/Kg
108-95-2	Phenol	84.8	U	84.8	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	85.6	U	85.6	170	ug/Kg
95-57-8	2-Chlorophenol	85.4	U	85.4	170	ug/Kg
95-48-7	2-Methylphenol	82.4	U	82.4	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	93.0	U	93.0	170	ug/Kg
98-86-2	Acetophenone	88.9	U	88.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	81.6	U	81.6	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.2	U	41.2	81.8	ug/Kg
67-72-1	Hexachloroethane	84.9	U	84.9	170	ug/Kg
98-95-3	Nitrobenzene	92.8	U	92.8	170	ug/Kg
78-59-1	Isophorone	86.5	U	86.5	170	ug/Kg
88-75-5	2-Nitrophenol	96.6	U	96.6	170	ug/Kg
105-67-9	2,4-Dimethylphenol	95.3	U	95.3	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	87.7	U	87.7	170	ug/Kg
120-83-2	2,4-Dichlorophenol	77.2	U	77.2	170	ug/Kg
91-20-3	Naphthalene	84.5	U	84.5	170	ug/Kg
106-47-8	4-Chloroaniline	84.5	UQ	84.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	85.2	U	85.2	170	ug/Kg
105-60-2	Caprolactam	88.8	U	88.8	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	79.2	U	79.2	170	ug/Kg
91-57-6	2-Methylnaphthalene	84.4	U	84.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	UQ	160	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	73.0	U	73.0	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	75.7	U	75.7	170	ug/Kg
92-52-4	1,1-Biphenyl	89.4	U	89.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	85.2	U	85.2	170	ug/Kg
88-74-4	2-Nitroaniline	97.1	U	97.1	170	ug/Kg
131-11-3	Dimethylphthalate	83.5	U	83.5	170	ug/Kg

Raw Data: **BF140608.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006	SDG No.:	P4860
Lab Sample ID:	P4860-09	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.5
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
BF140608.D	1	11/16/24 08:51	11/25/24 17:41	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	88.5	U	88.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	85.1	U	85.1	170	ug/Kg
99-09-2	3-Nitroaniline	91.2	UQ	91.2	170	ug/Kg
83-32-9	Acenaphthene	82.9	U	82.9	170	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	340	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	340	ug/Kg
132-64-9	Dibenzofuran	86.3	U	86.3	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	88.1	U	88.1	170	ug/Kg
84-66-2	Diethylphthalate	81.9	U	81.9	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	87.5	U	87.5	170	ug/Kg
86-73-7	Fluorene	87.4	U	87.4	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	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	83.4	U	83.4	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	80.7	U	80.7	170	ug/Kg
118-74-1	Hexachlorobenzene	86.9	U	86.9	170	ug/Kg
1912-24-9	Atrazine	93.5	U	93.5	170	ug/Kg
87-86-5	Pentachlorophenol	79.0	U	79.0	340	ug/Kg
85-01-8	Phenanthrene	85.9	U	85.9	170	ug/Kg
120-12-7	Anthracene	86.3	U	86.3	170	ug/Kg
86-74-8	Carbazole	82.1	U	82.1	170	ug/Kg
84-74-2	Di-n-butylphthalate	86.2	U	86.2	170	ug/Kg
206-44-0	Fluoranthene	83.5	U	83.5	170	ug/Kg
129-00-0	Pyrene	84.9	U	84.9	170	ug/Kg
85-68-7	Butylbenzylphthalate	99.0	U	99.0	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	UQ	100	340	ug/Kg
56-55-3	Benzo(a)anthracene	82.5	U	82.5	170	ug/Kg
218-01-9	Chrysene	81.3	U	81.3	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	93.1	U	93.1	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	82.9	U	82.9	170	ug/Kg

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006	SDG No.:	P4860
Lab Sample ID:	P4860-09	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.5
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
BF140608.D	1	11/16/24 08:51	11/25/24 17:41	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	84.5	U	84.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	95.1	U	95.1	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	79.9	U	79.9	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	83.0	U	83.0	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	81.9	U	81.9	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	88.8	U	88.8	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	76.4	U	76.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	91.0		30 (18) - 130 (112)	61%	SPK: 150
13127-88-3	Phenol-d6	90.5		30 (15) - 130 (107)	60%	SPK: 150
4165-60-0	Nitrobenzene-d5	63.2		30 (18) - 130 (107)	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	66.7		30 (20) - 130 (109)	67%	SPK: 100
118-79-6	2,4,6-Tribromophenol	85.8		30 (10) - 130 (116)	57%	SPK: 150
1718-51-0	Terphenyl-d14	60.5		30 (10) - 130 (105)	61%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	65700	6.869			
1146-65-2	Naphthalene-d8	249000	8.151			
15067-26-2	Acenaphthene-d10	136000	9.904			
1517-22-2	Phenanthrene-d10	254000	11.392			
1719-03-5	Chrysene-d12	176000	14.045			
1520-96-3	Perylene-d12	146000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000119-61-9	Benzophenone	330	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	220	J		11.9	ug/Kg
001454-84-8	n-Nonadecanol-1	170	J		13.9	ug/Kg
	unknown16.457	78.1	J		16.5	ug/Kg

Raw Data: **BF140608.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006	SDG No.:	P4860
Lab Sample ID:	P4860-09	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.5
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
BF140608.D	1	11/16/24 08:51	11/25/24 17:41	PB165029

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

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-005	SDG No.:	P4860
Lab Sample ID:	P4860-10	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140641.D	1	11/16/24 08:51	11/26/24 14:55	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	UQ	190	340	ug/Kg
108-95-2	Phenol	84.9	U	84.9	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	85.7	U	85.7	170	ug/Kg
95-57-8	2-Chlorophenol	85.5	U	85.5	170	ug/Kg
95-48-7	2-Methylphenol	82.5	U	82.5	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	93.0	U	93.0	170	ug/Kg
98-86-2	Acetophenone	88.9	U	88.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	81.7	U	81.7	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.2	U	41.2	81.9	ug/Kg
67-72-1	Hexachloroethane	85.0	U	85.0	170	ug/Kg
98-95-3	Nitrobenzene	92.9	U	92.9	170	ug/Kg
78-59-1	Isophorone	86.6	U	86.6	170	ug/Kg
88-75-5	2-Nitrophenol	96.7	U	96.7	170	ug/Kg
105-67-9	2,4-Dimethylphenol	95.4	U	95.4	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	87.8	U	87.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	77.3	U	77.3	170	ug/Kg
91-20-3	Naphthalene	84.5	U	84.5	170	ug/Kg
106-47-8	4-Chloroaniline	84.5	UQ	84.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	85.3	U	85.3	170	ug/Kg
105-60-2	Caprolactam	88.8	U	88.8	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	79.3	U	79.3	170	ug/Kg
91-57-6	2-Methylnaphthalene	84.4	U	84.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	UQ	160	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	73.1	U	73.1	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	75.7	U	75.7	170	ug/Kg
92-52-4	1,1-Biphenyl	89.5	U	89.5	170	ug/Kg
91-58-7	2-Chloronaphthalene	85.3	U	85.3	170	ug/Kg
88-74-4	2-Nitroaniline	97.2	U	97.2	170	ug/Kg
131-11-3	Dimethylphthalate	83.6	U	83.6	170	ug/Kg

Raw Data: **BF140641.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-005	SDG No.:	P4860
Lab Sample ID:	P4860-10	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140641.D	1	11/16/24 08:51	11/26/24 14:55	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	88.5	U	88.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	85.2	U	85.2	170	ug/Kg
99-09-2	3-Nitroaniline	91.3	UQ	91.3	170	ug/Kg
83-32-9	Acenaphthene	83.0	U	83.0	170	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	340	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	340	ug/Kg
132-64-9	Dibenzofuran	86.4	U	86.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	88.2	U	88.2	170	ug/Kg
84-66-2	Diethylphthalate	82.0	U	82.0	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	87.6	U	87.6	170	ug/Kg
86-73-7	Fluorene	87.5	U	87.5	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	83.5	U	83.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	80.8	U	80.8	170	ug/Kg
118-74-1	Hexachlorobenzene	87.0	U	87.0	170	ug/Kg
1912-24-9	Atrazine	93.6	U	93.6	170	ug/Kg
87-86-5	Pentachlorophenol	79.1	U	79.1	340	ug/Kg
85-01-8	Phenanthrene	86.0	U	86.0	170	ug/Kg
120-12-7	Anthracene	86.4	U	86.4	170	ug/Kg
86-74-8	Carbazole	82.2	U	82.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	86.3	U	86.3	170	ug/Kg
206-44-0	Fluoranthene	83.6	U	83.6	170	ug/Kg
129-00-0	Pyrene	85.0	U	85.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	99.1	U	99.1	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	UQ	100	340	ug/Kg
56-55-3	Benzo(a)anthracene	82.6	U	82.6	170	ug/Kg
218-01-9	Chrysene	81.4	U	81.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	93.1	U	93.1	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	83.0	U	83.0	170	ug/Kg

Raw Data: **BF140641.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-005	SDG No.:	P4860
Lab Sample ID:	P4860-10	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140641.D	1	11/16/24 08:51	11/26/24 14:55	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	84.5	U	84.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	95.2	U	95.2	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	79.9	U	79.9	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	83.1	U	83.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	82.0	U	82.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	88.8	U	88.8	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	76.5	U	76.5	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	84.1		30 (18) - 130 (112)	56%	SPK: 150
13127-88-3	Phenol-d6	85.6		30 (15) - 130 (107)	57%	SPK: 150
4165-60-0	Nitrobenzene-d5	59.1		30 (18) - 130 (107)	59%	SPK: 100
321-60-8	2-Fluorobiphenyl	65.2		30 (20) - 130 (109)	65%	SPK: 100
118-79-6	2,4,6-Tribromophenol	74.0		30 (10) - 130 (116)	49%	SPK: 150
1718-51-0	Terphenyl-d14	68.4		30 (10) - 130 (105)	68%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	73400	6.869			
1146-65-2	Naphthalene-d8	270000	8.151			
15067-26-2	Acenaphthene-d10	140000	9.904			
1517-22-2	Phenanthrene-d10	253000	11.398			
1719-03-5	Chrysene-d12	141000	14.045			
1520-96-3	Perylene-d12	153000	15.539			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	1100	JB		2.12	ug/Kg
000119-61-9	Benzophenone	330	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	170	J		11.9	ug/Kg
006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13	81.9	J		12.6	ug/Kg
1000406-33-2	Isobutyl tetracosyl ether	280	J		13.9	ug/Kg
000629-94-7	Heneicosane	79.8	J		14.2	ug/Kg
000638-68-6	Triacontane	140	J		14.5	ug/Kg

Raw Data: **BF140641.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-005	SDG No.:	P4860
Lab Sample ID:	P4860-10	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.6
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140641.D	1	11/16/24 08:51	11/26/24 14:55	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
001560-98-1	Octacosane, 2-methyl-	74.7	J		14.8	ug/Kg
000112-95-8	Eicosane	100	J		15.2	ug/Kg
	unknown16.245	230	J		16.2	ug/Kg
015600-08-5	Cholestan-3-one	220	J		16.4	ug/Kg
	unknown16.498	75.7	J		16.5	ug/Kg
	unknown17.439	77.4	J		17.4	ug/Kg
	unknown17.651	70.6	J		17.7	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,
Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4860-01	DUP-01	2-Fluorophenol	150	98.6	66		30 (18)	130 (112)
		Phenol-d6	150	97.7	65		30 (15)	130 (107)
		Nitrobenzene-d5	100	67.9	68		30 (18)	130 (107)
		2-Fluorobiphenyl	100	73.5	73		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	92.4	62		30 (10)	130 (116)
		Terphenyl-d14	100	71.0	71		30 (10)	130 (105)
P4860-02	PH2-BOT-001	2-Fluorophenol	150	99.7	66		30 (18)	130 (112)
		Phenol-d6	150	96.8	65		30 (15)	130 (107)
		Nitrobenzene-d5	100	71.8	72		30 (18)	130 (107)
		2-Fluorobiphenyl	100	79.9	80		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	86.7	58		30 (10)	130 (116)
		Terphenyl-d14	100	67.9	68		30 (10)	130 (105)
P4860-03	PH2-BOT-002	2-Fluorophenol	150	110	74		30 (18)	130 (112)
		Phenol-d6	150	108	72		30 (15)	130 (107)
		Nitrobenzene-d5	100	74.3	74		30 (18)	130 (107)
		2-Fluorobiphenyl	100	77.4	77		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	109	73		30 (10)	130 (116)
		Terphenyl-d14	100	69.3	69		30 (10)	130 (105)
P4860-04	PH2-BOT-003	2-Fluorophenol	150	102	68		30 (18)	130 (112)
		Phenol-d6	150	101	67		30 (15)	130 (107)
		Nitrobenzene-d5	100	70.4	70		30 (18)	130 (107)
		2-Fluorobiphenyl	100	73.2	73		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	102	68		30 (10)	130 (116)
		Terphenyl-d14	100	72.7	73		30 (10)	130 (105)
P4860-05	PH2-BOT-004	2-Fluorophenol	150	87.3	58		30 (18)	130 (112)
		Phenol-d6	150	84.5	56		30 (15)	130 (107)
		Nitrobenzene-d5	100	59.5	59		30 (18)	130 (107)
		2-Fluorobiphenyl	100	63.7	64		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	82.4	55		30 (10)	130 (116)
		Terphenyl-d14	100	63.6	64		30 (10)	130 (105)
P4860-06	PH2-BOT-009	2-Fluorophenol	150	86.9	58		30 (18)	130 (112)
		Phenol-d6	150	87.6	58		30 (15)	130 (107)
		Nitrobenzene-d5	100	60.1	60		30 (18)	130 (107)
		2-Fluorobiphenyl	100	62.8	63		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	79.0	53		30 (10)	130 (116)
		Terphenyl-d14	100	60.9	61		30 (10)	130 (105)
P4860-07	PH2-BOT-008	2-Fluorophenol	150	92.1	61		30 (18)	130 (112)
		Phenol-d6	150	90.4	60		30 (15)	130 (107)
		Nitrobenzene-d5	100	62.1	62		30 (18)	130 (107)
		2-Fluorobiphenyl	100	64.9	65		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	88.7	59		30 (10)	130 (116)
		Terphenyl-d14	100	60.5	60		30 (10)	130 (105)
P4860-08	PH2-BOT-007	2-Fluorophenol	150	75.2	50		30 (18)	130 (112)
		Phenol-d6	150	75.3	50		30 (15)	130 (107)
		Nitrobenzene-d5	100	52.4	52		30 (18)	130 (107)
		2-Fluorobiphenyl	100	55.8	56		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	74.2	49		30 (10)	130 (116)
		Terphenyl-d14	100	54.1	54		30 (10)	130 (105)
P4860-09	PH2-BOT-006	2-Fluorophenol	150	91.0	61		30 (18)	130 (112)
		Phenol-d6	150	90.5	60		30 (15)	130 (107)
		Nitrobenzene-d5	100	63.2	63		30 (18)	130 (107)

( ) = LABORATORY INHOUSE LIMIT

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

Surrogate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4860-09	PH2-BOT-006	2-Fluorobiphenyl	100	66.7	67		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	85.8	57		30 (10)	130 (116)
		Terphenyl-d14	100	60.5	61		30 (10)	130 (105)
P4860-09MS	PH2-BOT-006MS	2-Fluorophenol	150	104	69		30 (18)	130 (112)
		Phenol-d6	150	103	69		30 (15)	130 (107)
		Nitrobenzene-d5	100	71.2	71		30 (18)	130 (107)
		2-Fluorobiphenyl	100	73.5	73		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	109	73		30 (10)	130 (116)
		Terphenyl-d14	100	84.0	84		30 (10)	130 (105)
P4860-09MSD	PH2-BOT-006MSD	2-Fluorophenol	150	102	68		30 (18)	130 (112)
		Phenol-d6	150	103	68		30 (15)	130 (107)
		Nitrobenzene-d5	100	71.9	72		30 (18)	130 (107)
		2-Fluorobiphenyl	100	73.6	74		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	113	75		30 (10)	130 (116)
		Terphenyl-d14	100	84.9	85		30 (10)	130 (105)
P4860-10	PH2-BOT-005	2-Fluorophenol	150	84.1	56		30 (18)	130 (112)
		Phenol-d6	150	85.6	57		30 (15)	130 (107)
		Nitrobenzene-d5	100	59.1	59		30 (18)	130 (107)
		2-Fluorobiphenyl	100	65.2	65		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	74.0	49		30 (10)	130 (116)
		Terphenyl-d14	100	68.4	68		30 (10)	130 (105)
PB165029BL	PB165029BL	2-Fluorophenol	150	124	83		30 (18)	130 (112)
		Phenol-d6	150	120	80		30 (15)	130 (107)
		Nitrobenzene-d5	100	85.3	85		30 (18)	130 (107)
		2-Fluorobiphenyl	100	88.5	88		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	126	84		30 (10)	130 (116)
		Terphenyl-d14	100	88.4	88		30 (10)	130 (105)
PB165029BS	PB165029BS	2-Fluorophenol	150	120	80		30 (18)	130 (112)
		Phenol-d6	150	115	77		30 (15)	130 (107)
		Nitrobenzene-d5	100	82.5	82		30 (18)	130 (107)
		2-Fluorobiphenyl	100	84.9	85		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	128	85		30 (10)	130 (116)
		Terphenyl-d14	100	98.5	99		30 (10)	130 (105)

( ) = LABORATORY INHOUSE LIMIT

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4860-09MS		**Client Sample ID: PH2-BOT-006MS**						**DataFile: BF140639.D**			
Benzaldehyde	1700	0	210	ug/Kg	12	*			20 (10)	160 (86)	
Phenol	1700	0	1600	ug/Kg	94				20 (67)	160 (126)	
bis(2-Chloroethyl)ether	1700	0	1600	ug/Kg	94				70 (54)	130 (125)	
2-Chlorophenol	1700	0	1700	ug/Kg	100				70 (79)	130 (107)	
2-Methylphenol	1700	0	1600	ug/Kg	94				70 (66)	130 (122)	
2,2-oxybis(1-Chloropropane)	1700	0	1700	ug/Kg	100				70 (65)	130 (110)	
Acetophenone	1700	0	1600	ug/Kg	94				70 (75)	130 (111)	
3+4-Methylphenols	1700	0	1600	ug/Kg	94				20 (66)	160 (104)	
N-Nitroso-di-n-propylamine	1700	0	1600	ug/Kg	94				70 (59)	130 (119)	
Hexachloroethane	1700	0	1600	ug/Kg	94				20 (65)	160 (117)	
Nitrobenzene	1700	0	1500	ug/Kg	88				70 (70)	130 (119)	
Isophorone	1700	0	1600	ug/Kg	94				70 (76)	130 (122)	
2-Nitrophenol	1700	0	1600	ug/Kg	94				70 (54)	130 (145)	
2,4-Dimethylphenol	1700	0	1900	ug/Kg	112				70 (44)	130 (135)	
bis(2-Chloroethoxy)methane	1700	0	1600	ug/Kg	94				70 (68)	130 (112)	
2,4-Dichlorophenol	1700	0	1600	ug/Kg	94				70 (72)	130 (118)	
Naphthalene	1700	0	1600	ug/Kg	94				70 (72)	130 (110)	
4-Chloroaniline	1700	0	680	ug/Kg	40	*			70 (10)	130 (91)	
Hexachlorobutadiene	1700	0	1500	ug/Kg	88				70 (66)	130 (114)	
Caprolactam	1700	0	1600	ug/Kg	94				20 (51)	160 (134)	
4-Chloro-3-methylphenol	1700	0	1600	ug/Kg	94				70 (57)	130 (132)	
2-Methylnaphthalene	1700	0	1600	ug/Kg	94				70 (59)	130 (123)	
Hexachlorocyclopentadiene	3400	0	4700	ug/Kg	138				20 (10)	160 (175)	
2,4,6-Trichlorophenol	1700	0	1600	ug/Kg	94				70 (72)	130 (117)	
2,4,5-Trichlorophenol	1700	0	1700	ug/Kg	100				70 (72)	130 (117)	
1,1-Biphenyl	1700	0	1600	ug/Kg	94				70 (75)	130 (113)	
2-Chloronaphthalene	1700	0	1600	ug/Kg	94				70 (67)	130 (118)	
2-Nitroaniline	1700	0	1600	ug/Kg	94				70 (69)	130 (127)	
Dimethylphthalate	1700	0	1600	ug/Kg	94				70 (70)	130 (113)	
Acenaphthylene	1700	0	1700	ug/Kg	100				70 (79)	130 (118)	
2,6-Dinitrotoluene	1700	0	1600	ug/Kg	94				70 (70)	130 (125)	
3-Nitroaniline	1700	0	940	ug/Kg	55	*			70 (30)	130 (99)	
Acenaphthene	1700	0	1600	ug/Kg	94				70 (70)	130 (121)	
2,4-Dinitrophenol	3400	0	3000	ug/Kg	88				20 (10)	160 (155)	
4-Nitrophenol	3400	0	3600	ug/Kg	106				20 (45)	160 (133)	
Dibenzofuran	1700	0	1600	ug/Kg	94				70 (72)	130 (110)	
2,4-Dinitrotoluene	1700	0	1600	ug/Kg	94				70 (55)	130 (128)	
Diethylphthalate	1700	0	1600	ug/Kg	94				70 (70)	130 (112)	
4-Chlorophenyl-phenylether	1700	0	1600	ug/Kg	94				70 (71)	130 (108)	
Fluorene	1700	0	1600	ug/Kg	94				70 (68)	130 (116)	
4-Nitroaniline	1700	0	1600	ug/Kg	94				70 (55)	130 (120)	
4,6-Dinitro-2-methylphenol	1700	0	1700	ug/Kg	100				70 (10)	130 (160)	
N-Nitrosodiphenylamine	1700	0	1600	ug/Kg	94				70 (73)	130 (118)	
4-Bromophenyl-phenylether	1700	0	1600	ug/Kg	94				70 (65)	130 (121)	
Hexachlorobenzene	1700	0	1600	ug/Kg	94				70 (67)	130 (118)	
Atrazine	1700	0	1900	ug/Kg	112				70 (79)	130 (127)	

( ) = LABORATORY INHOUSE LIMIT

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	3400	0	3400	ug/Kg	100				20 (47)	160 (128)	
Phenanthrene	1700	0	1700	ug/Kg	100				70 (52)	130 (128)	
Anthracene	1700	0	1700	ug/Kg	100				70 (62)	130 (124)	
Carbazole	1700	0	1700	ug/Kg	100				70 (59)	130 (119)	
Di-n-butylphthalate	1700	0	1700	ug/Kg	100				70 (69)	130 (118)	
Fluoranthene	1700	0	1600	ug/Kg	94				70 (44)	130 (125)	
Pyrene	1700	0	1800	ug/Kg	106				70 (26)	130 (142)	
Butylbenzylphthalate	1700	0	1900	ug/Kg	112				70 (64)	130 (126)	
3,3-Dichlorobenzidine	1700	0	1100	ug/Kg	65	*			70 (33)	130 (116)	
Benzo(a)anthracene	1700	0	1700	ug/Kg	100				70 (71)	130 (114)	
Chrysene	1700	0	1600	ug/Kg	94				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	1700	0	2000	ug/Kg	118				70 (42)	130 (169)	
Di-n-octyl phthalate	1700	0	2000	ug/Kg	118				70 (23)	130 (175)	
Benzo(b)fluoranthene	1700	0	1500	ug/Kg	88				70 (67)	130 (121)	
Benzo(k)fluoranthene	1700	0	1600	ug/Kg	94				70 (57)	130 (134)	
Benzo(a)pyrene	1700	0	1800	ug/Kg	106				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	1700	0	1600	ug/Kg	94				70 (40)	130 (129)	
Dibenz(a,h)anthracene	1700	0	1600	ug/Kg	94				70 (43)	130 (123)	
Benzo(g,h,i)perylene	1700	0	1300	ug/Kg	76				70 (24)	130 (125)	
1,2,4,5-Tetrachlorobenzene	1700	0	1600	ug/Kg	94				70 (69)	130 (124)	
1,4-Dioxane	1700	0	1500	ug/Kg	88				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	1700	0	1700	ug/Kg	100				70 (69)	130 (112)	

( ) = LABORATORY INHOUSE LIMIT

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4860-09MSD		**Client Sample ID: PH2-BOT-006MSD**						**DataFile: BF140640.D**			
Benzaldehyde	1700	0	210	ug/Kg	12	*	0		20 (10)	160 (86)	30 (20)
Phenol	1700	0	1600	ug/Kg	94		0		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	1700	0	1600	ug/Kg	94		0		70 (54)	130 (125)	30 (20)
2-Chlorophenol	1700	0	1600	ug/Kg	94		6		70 (79)	130 (107)	30 (20)
2-Methylphenol	1700	0	1600	ug/Kg	94		0		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	1700	0	1700	ug/Kg	100		0		70 (65)	130 (110)	30 (20)
Acetophenone	1700	0	1600	ug/Kg	94		0		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	1700	0	1600	ug/Kg	94		0		20 (66)	160 (104)	30 (20)
N-Nitroso-di-n-propylamine	1700	0	1600	ug/Kg	94		0		70 (59)	130 (119)	30 (20)
Hexachloroethane	1700	0	1500	ug/Kg	88		7		20 (65)	160 (117)	30 (20)
Nitrobenzene	1700	0	1500	ug/Kg	88		0		70 (70)	130 (119)	30 (20)
Isophorone	1700	0	1600	ug/Kg	94		0		70 (76)	130 (122)	30 (20)
2-Nitrophenol	1700	0	1700	ug/Kg	100		6		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	1700	0	1900	ug/Kg	112		0		70 (44)	130 (135)	30 (20)
bis(2-Chloroethoxy)methane	1700	0	1600	ug/Kg	94		0		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	1700	0	1600	ug/Kg	94		0		70 (72)	130 (118)	30 (20)
Naphthalene	1700	0	1600	ug/Kg	94		0		70 (72)	130 (110)	30 (20)
4-Chloroaniline	1700	0	680	ug/Kg	40	*	0		70 (10)	130 (91)	30 (20)
Hexachlorobutadiene	1700	0	1500	ug/Kg	88		0		70 (66)	130 (114)	30 (20)
Caprolactam	1700	0	1700	ug/Kg	100		6		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	1700	0	1600	ug/Kg	94		0		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	1700	0	1600	ug/Kg	94		0		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	3400	0	4700	ug/Kg	138		0		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	1700	0	1700	ug/Kg	100		6		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	1700	0	1600	ug/Kg	94		6		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	1700	0	1600	ug/Kg	94		0		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	1700	0	1600	ug/Kg	94		0		70 (67)	130 (118)	30 (20)
2-Nitroaniline	1700	0	1600	ug/Kg	94		0		70 (69)	130 (127)	30 (20)
Dimethylphthalate	1700	0	1700	ug/Kg	100		6		70 (70)	130 (113)	30 (20)
Acenaphthylene	1700	0	1700	ug/Kg	100		0		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	1700	0	1600	ug/Kg	94		0		70 (70)	130 (125)	30 (20)
3-Nitroaniline	1700	0	970	ug/Kg	57	*	4		70 (30)	130 (99)	30 (20)
Acenaphthene	1700	0	1600	ug/Kg	94		0		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	3400	0	3200	ug/Kg	94		7		20 (10)	160 (155)	30 (20)
4-Nitrophenol	3400	0	3700	ug/Kg	109		3		20 (45)	160 (133)	30 (20)
Dibenzofuran	1700	0	1700	ug/Kg	100		6		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	1700	0	1600	ug/Kg	94		0		70 (55)	130 (128)	30 (20)
Diethylphthalate	1700	0	1600	ug/Kg	94		0		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	1700	0	1600	ug/Kg	94		0		70 (71)	130 (108)	30 (20)
Fluorene	1700	0	1600	ug/Kg	94		0		70 (68)	130 (116)	30 (20)
4-Nitroaniline	1700	0	1600	ug/Kg	94		0		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	1700	0	1800	ug/Kg	106		6		70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	1700	0	1700	ug/Kg	100		6		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	1700	0	1600	ug/Kg	94		0		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	1700	0	1600	ug/Kg	94		0		70 (67)	130 (118)	30 (20)
Atrazine	1700	0	2000	ug/Kg	118		5		70 (79)	130 (127)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	3400	0	3600	ug/Kg	106		6		20 (47)	160 (128)	30 (20)
Phenanthrene	1700	0	1700	ug/Kg	100		0		70 (52)	130 (128)	30 (20)
Anthracene	1700	0	1800	ug/Kg	106		6		70 (62)	130 (124)	30 (20)
Carbazole	1700	0	1700	ug/Kg	100		0		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	1700	0	1700	ug/Kg	100		0		70 (69)	130 (118)	30 (20)
Fluoranthene	1700	0	1600	ug/Kg	94		0		70 (44)	130 (125)	30 (20)
Pyrene	1700	0	1800	ug/Kg	106		0		70 (26)	130 (142)	30 (20)
Butylbenzylphthalate	1700	0	1900	ug/Kg	112		0		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	1700	0	1200	ug/Kg	71		9		70 (33)	130 (116)	30 (20)
Benzo(a)anthracene	1700	0	1700	ug/Kg	100		0		70 (71)	130 (114)	30 (20)
Chrysene	1700	0	1600	ug/Kg	94		0		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	1700	0	2000	ug/Kg	118		0		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	1700	0	1900	ug/Kg	112		5		70 (23)	130 (175)	30 (20)
Benzo(b)fluoranthene	1700	0	1500	ug/Kg	88		0		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	1700	0	1700	ug/Kg	100		6		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	1700	0	1800	ug/Kg	106		0		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	1700	0	1600	ug/Kg	94		0		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	1700	0	1600	ug/Kg	94		0		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	1700	0	1300	ug/Kg	76		0		70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	1700	0	1600	ug/Kg	94		0		70 (69)	130 (124)	30 (20)
1,4-Dioxane	1700	0	1500	ug/Kg	88		0		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	1700	0	1800	ug/Kg	106		6		70 (69)	130 (112)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: 8270E **DataFile:** BF140445.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB165029BS	Benzaldehyde	1700	180	ug/Kg	11		*		20 (10)	160 (133)	
	Phenol	1700	1400	ug/Kg	82				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				70 (60)	130 (101)	
	2-Chlorophenol	1700	1500	ug/Kg	88				70 (65)	130 (112)	
	2-Methylphenol	1700	1400	ug/Kg	82				70 (61)	130 (108)	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				70 (51)	130 (100)	
	Acetophenone	1700	1400	ug/Kg	82				70 (66)	130 (98)	
	3+4-Methylphenols	1700	1400	ug/Kg	82				20 (58)	160 (111)	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				70 (63)	130 (95)	
	Hexachloroethane	1700	1400	ug/Kg	82				20 (72)	160 (108)	
	Nitrobenzene	1700	1400	ug/Kg	82				70 (57)	130 (101)	
	Isophorone	1700	1400	ug/Kg	82				70 (59)	130 (99)	
	2-Nitrophenol	1700	1500	ug/Kg	88				70 (61)	130 (111)	
	2,4-Dimethylphenol	1700	1800	ug/Kg	106				70 (46)	130 (141)	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				70 (66)	130 (97)	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				70 (62)	130 (107)	
	Naphthalene	1700	1400	ug/Kg	82				70 (62)	130 (100)	
	4-Chloroaniline	1700	810	ug/Kg	48		*		70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				70 (53)	130 (98)	
	Caprolactam	1700	1400	ug/Kg	82				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				70 (58)	130 (112)	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	5700	ug/Kg	173		*		20 (45)	160 (165)	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				70 (61)	130 (98)	
	1,1-Biphenyl	1700	1400	ug/Kg	82				70 (57)	130 (103)	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				70 (58)	130 (99)	
	2-Nitroaniline	1700	1500	ug/Kg	88				70 (66)	130 (101)	
	Dimethylphthalate	1700	1500	ug/Kg	88				70 (61)	130 (99)	
	Acenaphthylene	1700	1500	ug/Kg	88				70 (63)	130 (101)	
	2,6-Dinitrotoluene	1700	1400	ug/Kg	82				70 (61)	130 (104)	
	3-Nitroaniline	1700	910	ug/Kg	54		*		70 (28)	130 (100)	
	Acenaphthene	1700	1600	ug/Kg	94				70 (57)	130 (104)	
	2,4-Dinitrophenol	3300	2800	ug/Kg	85				20 (37)	160 (128)	
	4-Nitrophenol	3300	2700	ug/Kg	82				20 (48)	160 (119)	
	Dibenzofuran	1700	1500	ug/Kg	88				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				70 (60)	130 (106)	
	Diethylphthalate	1700	1500	ug/Kg	88				70 (60)	130 (101)	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				70 (58)	130 (98)	
	Fluorene	1700	1400	ug/Kg	82				70 (61)	130 (101)	
	4-Nitroaniline	1700	1400	ug/Kg	82				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	1500	ug/Kg	88				70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				70 (71)	130 (99)	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				70 (66)	130 (102)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: 8270E **DataFile:** BF140445.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB165029BS	Hexachlorobenzene	1700	1500	ug/Kg	88				70 (64)	130 (98)	
	Atrazine	1700	1700	ug/Kg	100				70 (47)	130 (152)	
	Pentachlorophenol	3300	2700	ug/Kg	82				20 (67)	160 (105)	
	Phenanthrene	1700	1500	ug/Kg	88				70 (59)	130 (103)	
	Anthracene	1700	1500	ug/Kg	88				70 (61)	130 (105)	
	Carbazole	1700	1400	ug/Kg	82				70 (61)	130 (99)	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				70 (58)	130 (104)	
	Fluoranthene	1700	1400	ug/Kg	82				70 (57)	130 (107)	
	Pyrene	1700	1600	ug/Kg	94				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				70 (55)	130 (103)	
	3,3-Dichlorobenzidine	1700	940	ug/Kg	55		*		70 (42)	130 (91)	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				70 (60)	130 (102)	
	Chrysene	1700	1500	ug/Kg	88				70 (59)	130 (101)	
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				70 (54)	130 (135)	
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				70 (52)	130 (137)	
	Benzo(b)fluoranthene	1700	1400	ug/Kg	82				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1400	ug/Kg	82				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				70 (63)	130 (103)	
	Indeno(1,2,3-cd)pyrene	1700	1700	ug/Kg	100				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70 (70)	130 (108)	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				70 (53)	130 (101)	
	1,4-Dioxane	1700	1200	ug/Kg	71				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				70 (59)	130 (108)	

( ) = LABORATORY INHOUSE LIMIT

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165029BL

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

Lab File ID: BF140444.D Lab Sample ID: PB165029BL

Instrument ID: BNA_F Date Extracted: 11/16/2024

Matrix: (soil/water) SOIL Date Analyzed: 11/18/2024

Level: (low/med) LOW Time Analyzed: 10:39

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB165029BS	PB165029BS	BF140445.D	11/18/2024
PH2-BOT-007	P4860-08	BF140578.D	11/22/2024
PH2-BOT-004	P4860-05	BF140579.D	11/22/2024
PH2-BOT-001	P4860-02	BF140588.D	11/22/2024
DUP-01	P4860-01	BF140609.D	11/25/2024
PH2-BOT-006	P4860-09	BF140608.D	11/25/2024
PH2-BOT-009	P4860-06	BF140615.D	11/25/2024
PH2-BOT-003	P4860-04	BF140620.D	11/25/2024
PH2-BOT-008	P4860-07	BF140621.D	11/25/2024
PH2-BOT-002	P4860-03	BF140622.D	11/25/2024
PH2-BOT-006MS	P4860-09MS	BF140639.D	11/26/2024
PH2-BOT-006MSD	P4860-09MSD	BF140640.D	11/26/2024
PH2-BOT-005	P4860-10	BF140641.D	11/26/2024

COMMENTS:

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM SAS No.: P4860 SDG NO.: P4860

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

Instrument ID: BNA_F DFTPP Injection Time: 08:35

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

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

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

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

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM SAS No.: P4860 SDG NO.: P4860

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

Instrument ID: BNA_F DFTPP Injection Time: 09:18

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF140443.D	11/18/2024	10:13
PB165029BL	PB165029BL	BF140444.D	11/18/2024	10:39
PB165029BS	PB165029BS	BF140445.D	11/18/2024	11:05

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM SAS No.: P4860 SDG NO.: P4860

Lab File ID: BF140526.D DFTPP Injection Date: 11/21/2024

Instrument ID: BNA_F DFTPP Injection Time: 10:17

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.3
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	35.5
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	48
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	29.2
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	99.8
443	15.0 - 24.0% of mass 442	18.1 (18.1) 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
SSTDICC2.5	SSTDICC2.5	BF140528.D	11/21/2024	11:13
SSTDICC005	SSTDICC005	BF140529.D	11/21/2024	11:39
SSTDICC010	SSTDICC010	BF140530.D	11/21/2024	12:05
SSTDICC020	SSTDICC020	BF140531.D	11/21/2024	12:32
SSTDICCC040	SSTDICCC040	BF140532.D	11/21/2024	12:58
SSTDICC050	SSTDICC050	BF140533.D	11/21/2024	13:25
SSTDICC060	SSTDICC060	BF140534.D	11/21/2024	13:51
SSTDICC080	SSTDICC080	BF140535.D	11/21/2024	14:18

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM SAS No.: P4860 SDG NO.: P4860

Lab File ID: BF140563.D DFTPP Injection Date: 11/22/2024

Instrument ID: BNA_F DFTPP Injection Time: 08:54

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.9
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	32.6
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	43
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
275	10.0 - 60.0% of mass 198	27.3
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.9 (17.9) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF140564.D	11/22/2024	09:20
PH2-BOT-007	P4860-08	BF140578.D	11/22/2024	15:32
PH2-BOT-004	P4860-05	BF140579.D	11/22/2024	15:58
PH2-BOT-001	P4860-02	BF140588.D	11/22/2024	19:53

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM SAS No.: P4860 SDG NO.: P4860

Lab File ID: BF140603.D DFTPP Injection Date: 11/25/2024

Instrument ID: BNA_F DFTPP Injection Time: 15:23

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.9
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	34.8
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	46.5
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	6.9
275	10.0 - 60.0% of mass 198	28
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.4 (18.4) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF140604.D	11/25/2024	15:49
PH2-BOT-006	P4860-09	BF140608.D	11/25/2024	17:41
DUP-01	P4860-01	BF140609.D	11/25/2024	18:07
PH2-BOT-009	P4860-06	BF140615.D	11/25/2024	20:45
PH2-BOT-003	P4860-04	BF140620.D	11/25/2024	22:55
PH2-BOT-008	P4860-07	BF140621.D	11/25/2024	23:22
PH2-BOT-002	P4860-03	BF140622.D	11/25/2024	23:48

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM SAS No.: P4860 SDG NO.: P4860

Lab File ID: BF140628.D DFTPP Injection Date: 11/26/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:09

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	35.5
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	37.7
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	28.9
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	15.1
442	Greater than 50% of mass 198	96.5
443	15.0 - 24.0% of mass 442	18.3 (19) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF140629.D	11/26/2024	09:35
PH2-BOT-006MS	P4860-09MS	BF140639.D	11/26/2024	14:03
PH2-BOT-006MSD	P4860-09MSD	BF140640.D	11/26/2024	14:29
PH2-BOT-005	P4860-10	BF140641.D	11/26/2024	14:55

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

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

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

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	140634	6.875	521097	8.16	286394	9.92
	UPPER LIMIT	281268	7.375	1042190	8.657	572788	10.416
	LOWER LIMIT	70317	6.375	260549	7.657	143197	9.416
	EPA SAMPLE NO.						
01	PB165029BL	142751	6.88	545917	8.15	305122	9.91
02	PB165029BS	142797	6.88	543909	8.16	303339	9.92

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

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

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

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

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

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

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	525142	11.404	270046	14.074	249102	15.604
	UPPER LIMIT	1050280	11.904	540092	14.574	498204	16.104
	LOWER LIMIT	262571	10.904	135023	13.574	124551	15.104
	EPA SAMPLE NO.						
01	PB165029BL	581224	11.40	355427	14.05	295657	15.55
02	PB165029BS	568567	11.40	301677	14.06	262350	15.55

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

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

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

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/22/2024

Lab File ID: BF140564.D Time Analyzed: 09:20

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	98979	6.869	364482	8.15	206333	9.91
	UPPER LIMIT	197958	7.369	728964	8.651	412666	10.41
	LOWER LIMIT	49489.5	6.369	182241	7.651	103167	9.41
	EPA SAMPLE NO.						
01	PH2-BOT-004	90927	6.87	332795	8.15	173346	9.90
02	PH2-BOT-007	93283	6.87	346410	8.15	184115	9.90
03	PH2-BOT-001	91972	6.87	309675	8.15	141425	9.90

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

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

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

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/22/2024

Lab File ID: BF140564.D Time Analyzed: 09:20

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	385080	11.398	243124	14.051	183783	15.539
	UPPER LIMIT	770160	11.898	486248	14.551	367566	16.039
	LOWER LIMIT	192540	10.898	121562	13.551	91891.5	15.039
	EPA SAMPLE NO.						
01	PH2-BOT-004	323538	11.40	178379	14.05	173467	15.53
02	PH2-BOT-007	340852	11.40	203007	14.05	190451	15.53
03	PH2-BOT-001	223631	11.40	148537	14.05	113324	15.53

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

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

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

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/25/2024

Lab File ID: BF140604.D Time Analyzed: 15:49

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	106607	6.869	393427	8.15	218835	9.91
	UPPER LIMIT	213214	7.369	786854	8.651	437670	10.41
	LOWER LIMIT	53303.5	6.369	196714	7.651	109418	9.41
	EPA SAMPLE NO.						
01	PH2-BOT-002	57850	6.87	212247	8.15	114728	9.90
02	PH2-BOT-003	59191	6.87	215928	8.15	117690	9.90
03	PH2-BOT-009	56272	6.87	212229	8.15	114630	9.90
04	PH2-BOT-008	56779	6.87	211702	8.15	113735	9.90
05	DUP-01	64351	6.87	240053	8.15	128312	9.90
06	PH2-BOT-006	65730	6.87	249226	8.15	135754	9.90

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

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

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

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/25/2024

Lab File ID: BF140604.D Time Analyzed: 15:49

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	396344	11.398	217927	14.051	192376	15.551
	UPPER LIMIT	792688	11.898	435854	14.551	384752	16.051
	LOWER LIMIT	198172	10.898	108964	13.551	96188	15.051
	EPA SAMPLE NO.						
01	PH2-BOT-002	210520	11.39	124009	14.05	108011	15.54
02	PH2-BOT-003	222510	11.39	134073	14.04	132029	15.53
03	PH2-BOT-009	214306	11.39	141699	14.05	130450	15.54
04	PH2-BOT-008	220246	11.39	128275	14.04	122422	15.53
05	DUP-01	245251	11.39	151880	14.05	134969	15.54
06	PH2-BOT-006	253640	11.39	176049	14.05	146465	15.55

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

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

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

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/26/2024

Lab File ID: BF140629.D Time Analyzed: 09:35

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	116102	6.875	431552	8.16	243269	9.91
	UPPER LIMIT	232204	7.375	863104	8.657	486538	10.41
	LOWER LIMIT	58051	6.375	215776	7.657	121635	9.41
	EPA SAMPLE NO.						
01	PH2-BOT-006MS	72875	6.87	271368	8.15	144034	9.91
02	PH2-BOT-006MSD	75738	6.87	275981	8.15	148258	9.91
03	PH2-BOT-005	73436	6.87	269764	8.15	139709	9.90

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

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

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

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/26/2024

Lab File ID: BF140629.D Time Analyzed: 09:35

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	448777	11.404	250776	14.051	214776	15.551
	UPPER LIMIT	897554	11.904	501552	14.551	429552	16.051
	LOWER LIMIT	224389	10.904	125388	13.551	107388	15.051
	EPA SAMPLE NO.						
01	PH2-BOT-006MS	272823	11.40	144480	14.05	156989	15.54
02	PH2-BOT-006MSD	278787	11.40	147921	14.05	159754	15.54
03	PH2-BOT-005	252976	11.40	141346	14.05	153491	15.54

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: **BF140444.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	PB165029BL	SDG No.:	P4860
Lab Sample ID:	PB165029BL	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
BF140444.D	1	11/16/24 08:51	11/18/24 10:39	PB165029

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

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	PB165029BL	SDG No.:	P4860
Lab Sample ID:	PB165029BL	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
BF140444.D	1	11/16/24 08:51	11/18/24 10:39	PB165029

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

Raw Data: **BF140444.D**

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

Report of Analysis

Client:	Tetra Tech			Date Collected:	
Project:	Ocean County Landfill 2024			Date Received:	
Client Sample ID:	PB165029BL			SDG No.:	P4860
Lab Sample ID:	PB165029BL			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
BF140444.D	1	11/16/24 08:51	11/18/24 10:39	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	93.0	U	93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	124		30 (18) - 130 (112)	83%	SPK: 150
13127-88-3	Phenol-d6	120		30 (15) - 130 (107)	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.3		30 (18) - 130 (107)	85%	SPK: 100
321-60-8	2-Fluorobiphenyl	88.5		30 (20) - 130 (109)	88%	SPK: 100
118-79-6	2,4,6-Tribromophenol	126		30 (10) - 130 (116)	84%	SPK: 150
1718-51-0	Terphenyl-d14	88.4		30 (10) - 130 (105)	88%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	143000	6.875			
1146-65-2	Naphthalene-d8	546000	8.151			
15067-26-2	Acenaphthene-d10	305000	9.91			
1517-22-2	Phenanthrene-d10	581000	11.398			
1719-03-5	Chrysene-d12	355000	14.045			
1520-96-3	Perylene-d12	296000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	70.3	J		2.22	ug/Kg
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	160	J		17.4	ug/Kg

Raw Data: **BF140444.D**

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

Report of Analysis

Client:	Tetra Tech			Date Collected:	
Project:	Ocean County Landfill 2024			Date Received:	
Client Sample ID:	PB165029BL			SDG No.:	P4860
Lab Sample ID:	PB165029BL			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
BF140444.D	1	11/16/24 08:51	11/18/24 10:39	PB165029

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

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	PB165029BS	SDG No.:	P4860
Lab Sample ID:	PB165029BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140445.D	1	11/16/24 08:51	11/18/24 11:05	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	J	180	330	ug/Kg
108-95-2	Phenol	1400		82.8	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		83.6	170	ug/Kg
95-57-8	2-Chlorophenol	1500		83.4	170	ug/Kg
95-48-7	2-Methylphenol	1400		80.5	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		90.8	170	ug/Kg
98-86-2	Acetophenone	1400		86.8	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		79.7	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		40.3	79.9	ug/Kg
67-72-1	Hexachloroethane	1400		82.9	170	ug/Kg
98-95-3	Nitrobenzene	1400		90.7	170	ug/Kg
78-59-1	Isophorone	1400		84.5	170	ug/Kg
88-75-5	2-Nitrophenol	1500		94.4	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		93.1	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		85.7	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		75.4	170	ug/Kg
91-20-3	Naphthalene	1400		82.5	170	ug/Kg
106-47-8	4-Chloroaniline	810		82.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		83.2	170	ug/Kg
105-60-2	Caprolactam	1400		86.7	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.4	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		82.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5700	E	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		71.3	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		73.9	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		87.3	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.2	170	ug/Kg
88-74-4	2-Nitroaniline	1500		94.9	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.6	170	ug/Kg

Raw Data: **BF140445.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	PB165029BS	SDG No.:	P4860
Lab Sample ID:	PB165029BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140445.D	1	11/16/24 08:51	11/18/24 11:05	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1500		86.4	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		83.1	170	ug/Kg
99-09-2	3-Nitroaniline	910		89.1	170	ug/Kg
83-32-9	Acenaphthene	1600		81.0	170	ug/Kg
51-28-5	2,4-Dinitrophenol	2800	E	240	330	ug/Kg
100-02-7	4-Nitrophenol	2700	E	120	330	ug/Kg
132-64-9	Dibenzofuran	1500		84.3	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		86.1	170	ug/Kg
84-66-2	Diethylphthalate	1500		80.0	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		85.5	170	ug/Kg
86-73-7	Fluorene	1400		85.4	170	ug/Kg
100-01-6	4-Nitroaniline	1400		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		81.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		78.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		84.9	170	ug/Kg
1912-24-9	Atrazine	1700		91.3	170	ug/Kg
87-86-5	Pentachlorophenol	2700	E	77.2	330	ug/Kg
85-01-8	Phenanthrene	1500		83.9	170	ug/Kg
120-12-7	Anthracene	1500		84.3	170	ug/Kg
86-74-8	Carbazole	1400		80.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.2	170	ug/Kg
206-44-0	Fluoranthene	1400		81.6	170	ug/Kg
129-00-0	Pyrene	1600		82.9	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		96.7	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	940		98.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.6	170	ug/Kg
218-01-9	Chrysene	1500		79.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		90.9	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		81.0	170	ug/Kg

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

Report of Analysis

Client:	Tetra Tech			Date Collected:	
Project:	Ocean County Landfill 2024			Date Received:	
Client Sample ID:	PB165029BS			SDG No.:	P4860
Lab Sample ID:	PB165029BS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140445.D	1	11/16/24 08:51	11/18/24 11:05	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1400		82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		80.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		86.7	170	ug/Kg
123-91-1	1,4-Dioxane	1200		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		74.6	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	120		30 (18) - 130 (112)	80%	SPK: 150
13127-88-3	Phenol-d6	115		30 (15) - 130 (107)	77%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.5		30 (18) - 130 (107)	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.9		30 (20) - 130 (109)	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	128		30 (10) - 130 (116)	85%	SPK: 150
1718-51-0	Terphenyl-d14	98.5		30 (10) - 130 (105)	99%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	143000	6.875			
1146-65-2	Naphthalene-d8	544000	8.157			
15067-26-2	Acenaphthene-d10	303000	9.916			
1517-22-2	Phenanthrene-d10	569000	11.404			
1719-03-5	Chrysene-d12	302000	14.057			
1520-96-3	Perylene-d12	262000	15.551			

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: **BF140639.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006MS	SDG No.:	P4860
Lab Sample ID:	P4860-09MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.5
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
BF140639.D	1	11/16/24 08:51	11/26/24 14:03	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	210	J	190	340	ug/Kg
108-95-2	Phenol	1600		84.8	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		85.6	170	ug/Kg
95-57-8	2-Chlorophenol	1700		85.4	170	ug/Kg
95-48-7	2-Methylphenol	1600		82.5	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		93.0	170	ug/Kg
98-86-2	Acetophenone	1600		88.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		81.7	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		41.2	81.9	ug/Kg
67-72-1	Hexachloroethane	1600		84.9	170	ug/Kg
98-95-3	Nitrobenzene	1500		92.9	170	ug/Kg
78-59-1	Isophorone	1600		86.6	170	ug/Kg
88-75-5	2-Nitrophenol	1600		96.7	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1900		95.4	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		87.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		77.3	170	ug/Kg
91-20-3	Naphthalene	1600		84.5	170	ug/Kg
106-47-8	4-Chloroaniline	680		84.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		85.2	170	ug/Kg
105-60-2	Caprolactam	1600		88.8	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		79.3	170	ug/Kg
91-57-6	2-Methylnaphthalene	1600		84.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4700	E	160	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		73.1	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		75.7	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		89.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		85.2	170	ug/Kg
88-74-4	2-Nitroaniline	1600		97.2	170	ug/Kg
131-11-3	Dimethylphthalate	1600		83.6	170	ug/Kg

Raw Data: **BF140639.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006MS	SDG No.:	P4860
Lab Sample ID:	P4860-09MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.5
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
BF140639.D	1	11/16/24 08:51	11/26/24 14:03	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1700		88.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		85.1	170	ug/Kg
99-09-2	3-Nitroaniline	940		91.3	170	ug/Kg
83-32-9	Acenaphthene	1600		83.0	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3000	E	250	340	ug/Kg
100-02-7	4-Nitrophenol	3600	E	120	340	ug/Kg
132-64-9	Dibenzofuran	1600		86.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		88.2	170	ug/Kg
84-66-2	Diethylphthalate	1600		82.0	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		87.6	170	ug/Kg
86-73-7	Fluorene	1600		87.5	170	ug/Kg
100-01-6	4-Nitroaniline	1600		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		120	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		83.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		80.7	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		87.0	170	ug/Kg
1912-24-9	Atrazine	1900		93.5	170	ug/Kg
87-86-5	Pentachlorophenol	3400	E	79.1	340	ug/Kg
85-01-8	Phenanthrene	1700		86.0	170	ug/Kg
120-12-7	Anthracene	1700		86.4	170	ug/Kg
86-74-8	Carbazole	1700		82.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1700		86.3	170	ug/Kg
206-44-0	Fluoranthene	1600		83.6	170	ug/Kg
129-00-0	Pyrene	1800		84.9	170	ug/Kg
85-68-7	Butylbenzylphthalate	1900		99.1	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		100	340	ug/Kg
56-55-3	Benzo(a)anthracene	1700		82.6	170	ug/Kg
218-01-9	Chrysene	1600		81.3	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2000		93.1	170	ug/Kg
117-84-0	Di-n-octyl phthalate	2000		110	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		83.0	170	ug/Kg

Raw Data: **BF140639.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006MS	SDG No.:	P4860
Lab Sample ID:	P4860-09MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.5
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
BF140639.D	1	11/16/24 08:51	11/26/24 14:03	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1600		84.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	1800		95.2	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		79.9	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		83.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		82.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		88.8	170	ug/Kg
123-91-1	1,4-Dioxane	1500		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		76.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	104		30 (18) - 130 (112)	69%	SPK: 150
13127-88-3	Phenol-d6	103		30 (15) - 130 (107)	69%	SPK: 150
4165-60-0	Nitrobenzene-d5	71.2		30 (18) - 130 (107)	71%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.5		30 (20) - 130 (109)	73%	SPK: 100
118-79-6	2,4,6-Tribromophenol	109		30 (10) - 130 (116)	73%	SPK: 150
1718-51-0	Terphenyl-d14	84.0		30 (10) - 130 (105)	84%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	72900	6.869			
1146-65-2	Naphthalene-d8	271000	8.151			
15067-26-2	Acenaphthene-d10	144000	9.91			
1517-22-2	Phenanthrene-d10	273000	11.398			
1719-03-5	Chrysene-d12	144000	14.045			
1520-96-3	Perylene-d12	157000	15.539			

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: **BF140640.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006MSD	SDG No.:	P4860
Lab Sample ID:	P4860-09MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.5
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
BF140640.D	1	11/16/24 08:51	11/26/24 14:29	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	210	J	190	340	ug/Kg
108-95-2	Phenol	1600		84.9	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		85.7	170	ug/Kg
95-57-8	2-Chlorophenol	1600		85.5	170	ug/Kg
95-48-7	2-Methylphenol	1600		82.6	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		93.1	170	ug/Kg
98-86-2	Acetophenone	1600		89.0	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		81.7	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		41.3	81.9	ug/Kg
67-72-1	Hexachloroethane	1500		85.0	170	ug/Kg
98-95-3	Nitrobenzene	1500		93.0	170	ug/Kg
78-59-1	Isophorone	1600		86.7	170	ug/Kg
88-75-5	2-Nitrophenol	1700		96.8	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1900		95.5	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		87.9	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		77.3	170	ug/Kg
91-20-3	Naphthalene	1600		84.6	170	ug/Kg
106-47-8	4-Chloroaniline	680		84.6	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		85.3	170	ug/Kg
105-60-2	Caprolactam	1700		88.9	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		79.4	170	ug/Kg
91-57-6	2-Methylnaphthalene	1600		84.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4700	E	160	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		73.1	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		75.8	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		89.5	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		85.3	170	ug/Kg
88-74-4	2-Nitroaniline	1600		97.3	170	ug/Kg
131-11-3	Dimethylphthalate	1700		83.7	170	ug/Kg

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006MSD	SDG No.:	P4860
Lab Sample ID:	P4860-09MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.5
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
BF140640.D	1	11/16/24 08:51	11/26/24 14:29	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1700		88.6	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		85.2	170	ug/Kg
99-09-2	3-Nitroaniline	970		91.4	170	ug/Kg
83-32-9	Acenaphthene	1600		83.1	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3200	E	250	340	ug/Kg
100-02-7	4-Nitrophenol	3700	E	120	340	ug/Kg
132-64-9	Dibenzofuran	1700		86.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		88.3	170	ug/Kg
84-66-2	Diethylphthalate	1600		82.0	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		87.7	170	ug/Kg
86-73-7	Fluorene	1600		87.6	170	ug/Kg
100-01-6	4-Nitroaniline	1600		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1800		120	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1700		83.6	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		80.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		87.1	170	ug/Kg
1912-24-9	Atrazine	2000		93.6	170	ug/Kg
87-86-5	Pentachlorophenol	3600	E	79.2	340	ug/Kg
85-01-8	Phenanthrene	1700		86.0	170	ug/Kg
120-12-7	Anthracene	1800		86.4	170	ug/Kg
86-74-8	Carbazole	1700		82.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1700		86.3	170	ug/Kg
206-44-0	Fluoranthene	1600		83.7	170	ug/Kg
129-00-0	Pyrene	1800		85.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1900		99.1	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		100	340	ug/Kg
56-55-3	Benzo(a)anthracene	1700		82.7	170	ug/Kg
218-01-9	Chrysene	1600		81.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2000		93.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1900		110	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		83.1	170	ug/Kg

Raw Data: **BF140640.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006MSD	SDG No.:	P4860
Lab Sample ID:	P4860-09MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.5
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
BF140640.D	1	11/16/24 08:51	11/26/24 14:29	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1700		84.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	1800		95.3	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		80.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		83.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		82.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		88.9	170	ug/Kg
123-91-1	1,4-Dioxane	1500		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		76.5	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	102		30 (18) - 130 (112)	68%	SPK: 150
13127-88-3	Phenol-d6	103		30 (15) - 130 (107)	68%	SPK: 150
4165-60-0	Nitrobenzene-d5	71.9		30 (18) - 130 (107)	72%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.6		30 (20) - 130 (109)	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	113		30 (10) - 130 (116)	75%	SPK: 150
1718-51-0	Terphenyl-d14	84.9		30 (10) - 130 (105)	85%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	75700	6.869			
1146-65-2	Naphthalene-d8	276000	8.151			
15067-26-2	Acenaphthene-d10	148000	9.91			
1517-22-2	Phenanthrene-d10	279000	11.398			
1719-03-5	Chrysene-d12	148000	14.045			
1520-96-3	Perylene-d12	160000	15.539			

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-BF111324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 13 14:40:06 2024
Response Via : Initial Calibration

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

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

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

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

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

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

(#) = Out of Range

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Nov 21 15:23:48 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF140528.D 5 =BF140529.D 10 =BF140530.D 20 =BF140531.D 40 =BF140532.D 50 =BF140533.D 60 =BF140534.D 80 =BF1405
35.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.501	0.502	0.576	0.489	0.452	0.454	0.477	0.493	8.46
3)		Pyridine		0.981	1.019	1.121	1.192	1.062	1.087	1.128	1.084	6.54
4)		n-Nitrosodimet...		0.616	0.611	0.661	0.648	0.632	0.632	0.660	0.637	3.15
5)	S	2-Fluorophenol		1.261	1.233	1.202	1.174	1.117	1.127	1.091	1.172	5.40
6)		Aniline		1.159	1.195	1.133	1.251	1.042	1.020	0.835	1.091	12.73
7)	S	Phenol-d6		1.729	1.617	1.559	1.602	1.465	1.470	1.407	1.550	7.14
8)		2-Chlorophenol		1.385	1.328	1.278	1.283	1.201	1.208	1.145	1.261	6.51
9)		Benzaldehyde			1.007	0.970	0.738	0.752	0.635		0.820	19.55
10)	C	Phenol		1.723	1.648	1.620	1.667	1.514	1.490	1.417	1.583	6.98
11)		bis(2-Chloroet...		1.292	1.242	1.214	1.246	1.146	1.200	1.138	1.211	4.56
12)		1,3-Dichlorobe...		1.600	1.493	1.433	1.399	1.345	1.361	1.288	1.417	7.31
13)	C	1,4-Dichlorobe...		1.613	1.501	1.456	1.428	1.358	1.372	1.314	1.435	7.04
14)		1,2-Dichlorobe...		1.503	1.434	1.375	1.355	1.268	1.266	1.210	1.344	7.71
15)		Benzyl Alcohol		1.234	1.174	1.161	1.224	1.113	1.090	1.048	1.149	5.98
16)		2,2'-oxybis(1-...		1.650	1.480	1.434	1.463	1.335	1.377	1.276	1.431	8.43
17)		2-Methylphenol		1.121	1.034	1.033	1.042	0.956	0.959	0.922	1.009	6.74
18)		Hexachloroethane		0.598	0.545	0.549	0.537	0.514	0.510	0.499	0.536	6.17
19)	P	n-Nitroso-di-n...	0.972	1.002	0.949	0.916	0.946	0.856	0.857	0.829	0.916	6.82
20)		3+4-Methylphenols		1.495	1.362	1.305	1.347	1.211	1.209	1.154	1.298	8.98
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.536	0.511	0.494	0.481	0.463	0.460	0.468	0.488	5.75
23)	S	Nitrobenzene-d5		0.409	0.403	0.395	0.392	0.377	0.377	0.383	0.391	3.21
24)		Nitrobenzene		0.439	0.409	0.409	0.401	0.388	0.391	0.392	0.404	4.35
25)		Isophorone		0.694	0.654	0.657	0.662	0.629	0.634	0.635	0.652	3.44
26)	C	2-Nitrophenol		0.178	0.172	0.185	0.180	0.178	0.180	0.180	0.179	2.17
27)		2,4-Dimethylph...		0.221	0.214	0.213	0.224	0.204	0.207	0.218	0.214	3.40
28)		bis(2-Chloroet...		0.428	0.408	0.403	0.397	0.378	0.384	0.383	0.397	4.37
29)	C	2,4-Dichloroph...		0.301	0.291	0.290	0.282	0.277	0.274	0.271	0.284	3.82
30)		1,2,4-Trichlor...		0.342	0.338	0.332	0.317	0.317	0.312	0.312	0.324	3.91
31)		Naphthalene		1.116	1.075	1.062	1.013	0.993	0.983	0.970	1.030	5.32
32)		Benzoic acid			0.101	0.126	0.177	0.185	0.192	0.202	0.164	24.72
33)		4-Chloroaniline		0.308	0.318	0.309	0.325	0.303	0.308	0.289	0.308	3.71
34)	C	Hexachlorobuta...		0.227	0.225	0.219	0.212	0.209	0.207	0.204	0.215	4.15
35)		Caprolactam		0.091	0.091	0.091	0.090	0.085	0.085	0.083	0.088	3.99
36)	C	4-Chloro-3-met...		0.348	0.318	0.317	0.327	0.307	0.307	0.301	0.318	4.95
37)		2-Methylnaphth...		0.724	0.680	0.669	0.650	0.623	0.620	0.615	0.654	6.09
38)		1-Methylnaphth...		0.707	0.665	0.659	0.638	0.611	0.608	0.601	0.641	5.98

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF112124.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.635	0.604	0.606	0.563	0.561	0.565	0.565	0.586	5.02
41)	P	Hexachlorocycl...		0.055	0.090	0.114	0.121	0.129	0.133	0.107	27.80
42)	S	2,4,6-Tribromo...	0.222	0.209	0.220	0.216	0.210	0.210	0.211	0.214	2.52
43)	C	2,4,6-Trichlor...	0.384	0.358	0.375	0.366	0.364	0.360	0.365	0.367	2.45
44)		2,4,5-Trichlor...	0.402	0.396	0.410	0.404	0.390	0.397	0.392	0.399	1.80
45)	S	2-Fluorobiphenyl	1.550	1.402	1.423	1.291	1.255	1.240	1.235	1.342	8.90
46)		1,1'-Biphenyl	1.666	1.530	1.563	1.447	1.427	1.418	1.403	1.493	6.50
47)		2-Chloronaphth...	1.251	1.145	1.162	1.106	1.082	1.084	1.091	1.131	5.39
48)		2-Nitroaniline	0.367	0.351	0.379	0.367	0.363	0.357	0.359	0.363	2.50
49)		Acenaphthylene	1.890	1.765	1.808	1.662	1.628	1.623	1.590	1.710	6.58
50)		Dimethylphthalate	1.455	1.329	1.346	1.299	1.267	1.270	1.254	1.317	5.28
51)		2,6-Dinitrotol...	0.314	0.299	0.307	0.301	0.291	0.293	0.286	0.299	3.24
52)	C	Acenaphthene	1.182	1.110	1.134	1.063	1.052	1.037	1.026	1.086	5.29
53)		3-Nitroaniline	0.307	0.297	0.309	0.300	0.289	0.281	0.262	0.292	5.71
54)	P	2,4-Dinitrophenol		0.057	0.089	0.140	0.145	0.150	0.154	0.122	32.70
55)		Dibenzofuran	1.898	1.739	1.739	1.622	1.559	1.531	1.509	1.657	8.53
56)	P	4-Nitrophenol		0.160	0.195	0.207	0.212	0.214	0.208	0.199	10.31
57)		2,4-Dinitrotol...	0.403	0.403	0.416	0.404	0.386	0.389	0.379	0.397	3.24
58)		Fluorene	1.509	1.409	1.399	1.295	1.263	1.224	1.210	1.330	8.37
59)		2,3,4,6-Tetrac...	0.307	0.296	0.308	0.312	0.305	0.305	0.312	0.306	1.72
60)		Diethylphthalate	1.495	1.375	1.393	1.311	1.292	1.268	1.234	1.338	6.66
61)		4-Chlorophenyl...	0.739	0.682	0.685	0.639	0.619	0.605	0.599	0.653	7.90
62)		4-Nitroaniline	0.307	0.301	0.315	0.312	0.310	0.309	0.291	0.306	2.67
63)		Azobenzene	1.406	1.320	1.320	1.235	1.205	1.206	1.179	1.267	6.55
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.073	0.090	0.110	0.110	0.117	0.113	0.102	16.74
66)	c	n-Nitrosodiphe...	0.632	0.618	0.597	0.578	0.577	0.580	0.558	0.591	4.39
67)		4-Bromophenyl-...	0.218	0.215	0.206	0.200	0.200	0.205	0.198	0.206	3.79
68)		Hexachlorobenzene	0.257	0.240	0.239	0.233	0.232	0.236	0.232	0.238	3.65
69)		Atrazine	0.181	0.171	0.131	0.140	0.147	0.196	0.198	0.166	16.37
70)	C	Pentachlorophenol		0.071	0.090	0.116	0.115	0.121	0.118	0.105	19.24
71)		Phenanthrene	1.074	1.020	0.970	0.944	0.925	0.916	0.881	0.961	6.87
72)		Anthracene	1.038	0.994	0.958	0.925	0.905	0.904	0.859	0.940	6.47
73)		Carbazole	1.004	0.949	0.930	0.889	0.876	0.862	0.821	0.905	6.75
74)		Di-n-butylphth...	1.144	1.075	1.074	1.023	1.021	1.007	0.967	1.044	5.56
75)	C	Fluoranthene	1.186	1.111	1.114	1.014	0.999	0.962	0.921	1.044	9.11
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.268	0.422	0.296	0.575	0.734	1.025	0.751	0.581	47.31
78)		Pyrene	1.905	1.801	1.897	1.853	1.791	1.898	1.799	1.849	2.79
79)	S	Terphenyl-d14	1.351	1.254	1.308	1.283	1.228	1.313	1.254	1.284	3.31
80)		Butylbenzylpht...	0.676	0.644	0.694	0.679	0.655	0.674	0.641	0.666	2.96
81)		Benzo(a)anthra...	1.409	1.319	1.379	1.286	1.295	1.338	1.242	1.324	4.30
82)		3,3'-Dichlorob...	0.375	0.383	0.393	0.413	0.406	0.419	0.394	0.397	4.03
83)		Chrysene	1.354	1.263	1.218	1.201	1.137	1.173	1.128	1.211	6.50
84)		Bis(2-ethylhex...	0.904	0.828	0.862	0.833	0.824	0.841	0.797	0.841	4.00
85)	c	Di-n-octyl pht...	1.198	1.133	1.147	1.132	1.147	1.169	1.121	1.150	2.29

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF112124.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.209	1.283	1.299	1.304	1.306	1.409	1.313	1.303	4.51
88)		Benzo(b)fluora...	1.347	1.256	1.380	1.186	1.248	1.207	1.168	1.256	6.41
89)		Benzo(k)fluora...	1.243	1.236	1.059	1.101	1.022	1.055	0.980	1.099	9.34
90)	C	Benzo(a)pyrene	1.062	1.050	1.063	1.007	0.998	1.014	0.957	1.021	3.81
91)		Dibenzo(a,h)an...	1.015	1.038	1.063	1.068	1.075	1.149	1.064	1.067	3.90
92)		Benzo(g,h,i)pe...	1.033	1.090	1.078	1.085	1.094	1.161	1.083	1.089	3.48

(#) = 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: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

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

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

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

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

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

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

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

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

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

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

All other compounds must meet a minimum RRF of 0.010.

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

Instrument ID: BNA_F Calibration Date/Time: 11/22/2024 09:20

Lab File ID: BF140564.D Init. Calib. Date(s): 11/21/2024 11/21/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:13 14:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.172	1.136		-3.1	
Benzaldehyde	0.820	0.737		-10.1	
Phenol-d6	1.550	1.480		-4.5	
Phenol	1.583	1.539		-2.8	20.0
bis(2-Chloroethyl)ether	1.211	1.155		-4.6	
2-Chlorophenol	1.261	1.212		-3.9	
2-Methylphenol	1.010	0.974		-3.6	
2,2-oxybis(1-Chloropropane)	1.431	1.379		-3.6	
Acetophenone	0.488	0.472		-3.3	
3+4-Methylphenols	1.298	1.249		-3.8	
n-Nitroso-di-n-propylamine	0.916	0.888	0.050	-3.1	
Nitrobenzene-d5	0.391	0.381		-2.6	
Hexachloroethane	0.536	0.518		-3.4	
Nitrobenzene	0.404	0.391		-3.2	
Isophorone	0.652	0.640		-1.8	
2-Nitrophenol	0.179	0.176		-1.7	20.0
2,4-Dimethylphenol	0.214	0.219		2.3	
bis(2-Chloroethoxy)methane	0.397	0.396		-0.3	
2,4-Dichlorophenol	0.284	0.281		-1.1	20.0
Naphthalene	1.030	1.010		-1.9	
4-Chloroaniline	0.308	0.302		-1.9	
Hexachlorobutadiene	0.215	0.216		0.5	20.0
Caprolactam	0.088	0.087		-1.1	
4-Chloro-3-methylphenol	0.318	0.316		-0.6	20.0
2-Methylnaphthalene	0.654	0.649		-0.8	
Hexachlorocyclopentadiene	0.107	0.121	0.050	13.1	
2,4,6-Trichlorophenol	0.367	0.365		-0.5	20.0
2-Fluorobiphenyl	1.342	1.316		-1.9	
2,4,5-Trichlorophenol	0.399	0.398		-0.3	
1,1-Biphenyl	1.493	1.460		-2.2	
2-Chloronaphthalene	1.131	1.105		-2.3	
2-Nitroaniline	0.363	0.355		-2.2	
Dimethylphthalate	1.317	1.297		-1.5	
Acenaphthylene	1.710	1.667		-2.5	
2,6-Dinitrotoluene	0.299	0.295		-1.3	
3-Nitroaniline	0.292	0.286		-2.1	
Acenaphthene	1.086	1.062		-2.2	20.0
2,4-Dinitrophenol	0.122	0.142	0.050	16.4	
4-Nitrophenol	0.199	0.195	0.050	-2.0	

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

Instrument ID: BNA_F Calibration Date/Time: 11/22/2024 09:20

Lab File ID: BF140564.D Init. Calib. Date(s): 11/21/2024 11/21/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:13 14:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.657	1.608		-3.0	
2,4-Dinitrotoluene	0.397	0.395		-0.5	
Diethylphthalate	1.338	1.329		-0.7	
4-Chlorophenyl-phenylether	0.653	0.646		-1.1	
Fluorene	1.330	1.293		-2.8	
4-Nitroaniline	0.306	0.301		-1.6	
4,6-Dinitro-2-methylphenol	0.102	0.114		11.8	
n-Nitrosodiphenylamine	0.591	0.578		-2.2	20.0
2,4,6-Tribromophenol	0.214	0.214		0.0	
4-Bromophenyl-phenylether	0.206	0.211		2.4	
Hexachlorobenzene	0.238	0.238		0.0	
Atrazine	0.166	0.170		2.4	
Pentachlorophenol	0.105	0.117		11.4	20.0
Phenanthrene	0.961	0.927		-3.5	
Anthracene	0.940	0.929		-1.2	
Carbazole	0.905	0.889		-1.8	
Di-n-butylphthalate	1.044	1.085		3.9	
Fluoranthene	1.044	1.051		0.7	20.0
Pyrene	1.849	1.694		-8.4	
Terphenyl-d14	1.284	1.206		-6.1	
Butylbenzylphthalate	0.666	0.682		2.4	
3,3-Dichlorobenzidine	0.397	0.386		-2.8	
Benzo(a)anthracene	1.324	1.267		-4.3	
Chrysene	1.211	1.189		-1.8	
Bis(2-ethylhexyl)phthalate	0.841	0.931		10.7	
Di-n-octyl phthalate	1.150	1.357		18.0	20.0
Benzo(b)fluoranthene	1.256	1.395		11.1	
Benzo(k)fluoranthene	1.099	1.080		-1.7	
Benzo(a)pyrene	1.021	1.024		0.3	20.0
Indeno(1,2,3-cd)pyrene	1.303	1.194		-8.4	
Dibenzo(a,h)anthracene	1.067	1.005		-5.8	
Benzo(g,h,i)perylene	1.089	0.991		-9.0	
1,2,4,5-Tetrachlorobenzene	0.586	0.573		-2.2	
1,4-Dioxane	0.493	0.481		-2.4	20.0
2,3,4,6-Tetrachlorophenol	0.306	0.324		5.9	

All other compounds must meet a minimum RRF of 0.010.

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

Instrument ID: BNA_F Calibration Date/Time: 11/25/2024 15:49

Lab File ID: BF140604.D Init. Calib. Date(s): 11/21/2024 11/21/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:13 14:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.172	1.153		-1.6	
Benzaldehyde	0.820	0.848		3.4	
Phenol-d6	1.550	1.521		-1.9	
Phenol	1.583	1.580		-0.2	20.0
bis(2-Chloroethyl)ether	1.211	1.199		-1.0	
2-Chlorophenol	1.261	1.217		-3.5	
2-Methylphenol	1.010	1.019		0.9	
2,2-oxybis(1-Chloropropane)	1.431	1.429		-0.1	
Acetophenone	0.488	0.464		-4.9	
3+4-Methylphenols	1.298	1.259		-3.0	
n-Nitroso-di-n-propylamine	0.916	0.876	0.050	-4.4	
Nitrobenzene-d5	0.391	0.378		-3.3	
Hexachloroethane	0.536	0.521		-2.8	
Nitrobenzene	0.404	0.392		-3.0	
Isophorone	0.652	0.640		-1.8	
2-Nitrophenol	0.179	0.180		0.6	20.0
2,4-Dimethylphenol	0.214	0.224		4.7	
bis(2-Chloroethoxy)methane	0.397	0.393		-1.0	
2,4-Dichlorophenol	0.284	0.284		0.0	20.0
Naphthalene	1.030	1.014		-1.6	
4-Chloroaniline	0.308	0.335		8.8	
Hexachlorobutadiene	0.215	0.210		-2.3	20.0
Caprolactam	0.088	0.088		0.0	
4-Chloro-3-methylphenol	0.318	0.313		-1.6	20.0
2-Methylnaphthalene	0.654	0.641		-2.0	
Hexachlorocyclopentadiene	0.107	0.106	0.050	-0.9	
2,4,6-Trichlorophenol	0.367	0.358		-2.5	20.0
2-Fluorobiphenyl	1.342	1.282		-4.5	
2,4,5-Trichlorophenol	0.399	0.395		-1.0	
1,1-Biphenyl	1.493	1.467		-1.7	
2-Chloronaphthalene	1.131	1.111		-1.8	
2-Nitroaniline	0.363	0.351		-3.3	
Dimethylphthalate	1.317	1.260		-4.3	
Acenaphthylene	1.710	1.672		-2.2	
2,6-Dinitrotoluene	0.299	0.296		-1.0	
3-Nitroaniline	0.292	0.283		-3.1	
Acenaphthene	1.086	1.050		-3.3	20.0
2,4-Dinitrophenol	0.122	0.123	0.050	0.8	
4-Nitrophenol	0.199	0.174	0.050	-12.6	

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

Instrument ID: BNA_F Calibration Date/Time: 11/25/2024 15:49

Lab File ID: BF140604.D Init. Calib. Date(s): 11/21/2024 11/21/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:13 14:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.657	1.581		-4.6	
2,4-Dinitrotoluene	0.397	0.389		-2.0	
Diethylphthalate	1.338	1.281		-4.3	
4-Chlorophenyl-phenylether	0.653	0.627		-4.0	
Fluorene	1.330	1.276		-4.1	
4-Nitroaniline	0.306	0.293		-4.2	
4,6-Dinitro-2-methylphenol	0.102	0.109		6.9	
n-Nitrosodiphenylamine	0.591	0.583		-1.4	20.0
2,4,6-Tribromophenol	0.214	0.206		-3.7	
4-Bromophenyl-phenylether	0.206	0.205		-0.5	
Hexachlorobenzene	0.238	0.236		-0.8	
Atrazine	0.166	0.164		-1.2	
Pentachlorophenol	0.105	0.106		1.0	20.0
Phenanthrene	0.961	0.943		-1.9	
Anthracene	0.940	0.931		-1.0	
Carbazole	0.905	0.887		-2.0	
Di-n-butylphthalate	1.044	1.030		-1.3	
Fluoranthene	1.044	1.007		-3.5	20.0
Pyrene	1.849	1.851		0.1	
Terphenyl-d14	1.284	1.258		-2.0	
Butylbenzylphthalate	0.666	0.676		1.5	
3,3-Dichlorobenzidine	0.397	0.401		1.0	
Benzo(a)anthracene	1.324	1.285		-2.9	
Chrysene	1.211	1.210		-0.1	
Bis(2-ethylhexyl)phthalate	0.841	0.846		0.6	
Di-n-octyl phthalate	1.150	1.150		0.0	20.0
Benzo(b)fluoranthene	1.256	1.146		-8.8	
Benzo(k)fluoranthene	1.099	1.148		4.5	
Benzo(a)pyrene	1.021	1.028		0.7	20.0
Indeno(1,2,3-cd)pyrene	1.303	1.241		-4.8	
Dibenzo(a,h)anthracene	1.067	1.017		-4.7	
Benzo(g,h,i)perylene	1.089	1.022		-6.2	
1,2,4,5-Tetrachlorobenzene	0.586	0.573		-2.2	
1,4-Dioxane	0.493	0.505		2.4	20.0
2,3,4,6-Tetrachlorophenol	0.306	0.314		2.6	

All other compounds must meet a minimum RRF of 0.010.

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

Instrument ID: BNA_F Calibration Date/Time: 11/26/2024 09:35

Lab File ID: BF140629.D Init. Calib. Date(s): 11/21/2024 11/21/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:13 14:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.172	1.147		-2.1	
Benzaldehyde	0.820	0.758		-7.6	
Phenol-d6	1.550	1.512		-2.5	
Phenol	1.583	1.584		0.1	20.0
bis(2-Chloroethyl)ether	1.211	1.200		-0.9	
2-Chlorophenol	1.261	1.226		-2.8	
2-Methylphenol	1.010	1.003		-0.7	
2,2-oxybis(1-Chloropropane)	1.431	1.458		1.9	
Acetophenone	0.488	0.460		-5.7	
3+4-Methylphenols	1.298	1.257		-3.2	
n-Nitroso-di-n-propylamine	0.916	0.884	0.050	-3.5	
Nitrobenzene-d5	0.391	0.378		-3.3	
Hexachloroethane	0.536	0.516		-3.7	
Nitrobenzene	0.404	0.393		-2.7	
Isophorone	0.652	0.635		-2.6	
2-Nitrophenol	0.179	0.183		2.2	20.0
2,4-Dimethylphenol	0.214	0.228		6.5	
bis(2-Chloroethoxy)methane	0.397	0.396		-0.3	
2,4-Dichlorophenol	0.284	0.283		-0.4	20.0
Naphthalene	1.030	1.008		-2.1	
4-Chloroaniline	0.308	0.341		10.7	
Hexachlorobutadiene	0.215	0.206		-4.2	20.0
Caprolactam	0.088	0.090		2.3	
4-Chloro-3-methylphenol	0.318	0.314		-1.3	20.0
2-Methylnaphthalene	0.654	0.644		-1.5	
Hexachlorocyclopentadiene	0.107	0.095	0.050	-11.2	
2,4,6-Trichlorophenol	0.367	0.356		-3.0	20.0
2-Fluorobiphenyl	1.342	1.257		-6.3	
2,4,5-Trichlorophenol	0.399	0.404		1.3	
1,1-Biphenyl	1.493	1.436		-3.8	
2-Chloronaphthalene	1.131	1.097		-3.0	
2-Nitroaniline	0.363	0.346		-4.7	
Dimethylphthalate	1.317	1.270		-3.6	
Acenaphthylene	1.710	1.659		-3.0	
2,6-Dinitrotoluene	0.299	0.292		-2.3	
3-Nitroaniline	0.292	0.303		3.8	
Acenaphthene	1.086	1.044		-3.9	20.0
2,4-Dinitrophenol	0.122	0.136	0.050	11.5	
4-Nitrophenol	0.199	0.189	0.050	-5.0	

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

Instrument ID: BNA_F Calibration Date/Time: 11/26/2024 09:35

Lab File ID: BF140629.D Init. Calib. Date(s): 11/21/2024 11/21/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:13 14:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.657	1.584		-4.4	
2,4-Dinitrotoluene	0.397	0.395		-0.5	
Diethylphthalate	1.338	1.307		-2.3	
4-Chlorophenyl-phenylether	0.653	0.621		-4.9	
Fluorene	1.330	1.280		-3.8	
4-Nitroaniline	0.306	0.306		0.0	
4,6-Dinitro-2-methylphenol	0.102	0.112		9.8	
n-Nitrosodiphenylamine	0.591	0.583		-1.4	20.0
2,4,6-Tribromophenol	0.214	0.207		-3.3	
4-Bromophenyl-phenylether	0.206	0.205		-0.5	
Hexachlorobenzene	0.238	0.232		-2.5	
Atrazine	0.166	0.163		-1.8	
Pentachlorophenol	0.105	0.112		6.7	20.0
Phenanthrene	0.961	0.928		-3.4	
Anthracene	0.940	0.926		-1.5	
Carbazole	0.905	0.893		-1.3	
Di-n-butylphthalate	1.044	1.063		1.8	
Fluoranthene	1.044	1.033		-1.1	20.0
Pyrene	1.849	1.845		-0.2	
Terphenyl-d14	1.284	1.263		-1.6	
Butylbenzylphthalate	0.666	0.715		7.4	
3,3-Dichlorobenzidine	0.397	0.400		0.8	
Benzo(a)anthracene	1.324	1.340		1.2	
Chrysene	1.211	1.144		-5.5	
Bis(2-ethylhexyl)phthalate	0.841	0.933		10.9	
Di-n-octyl phthalate	1.150	1.287		11.9	20.0
Benzo(b)fluoranthene	1.256	1.211		-3.6	
Benzo(k)fluoranthene	1.099	1.084		-1.4	
Benzo(a)pyrene	1.021	1.002		-1.9	20.0
Indeno(1,2,3-cd)pyrene	1.303	1.258		-3.5	
Dibenzo(a,h)anthracene	1.067	1.035		-3.0	
Benzo(g,h,i)perylene	1.089	1.065		-2.2	
1,2,4,5-Tetrachlorobenzene	0.586	0.557		-4.9	
1,4-Dioxane	0.493	0.492		-0.2	20.0
2,3,4,6-Tetrachlorophenol	0.306	0.310		1.3	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140609.D
Acq On : 25 Nov 2024 18:07
Operator : RC/JU
Sample : P4860-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

Quant Time: Nov 26 00:08:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

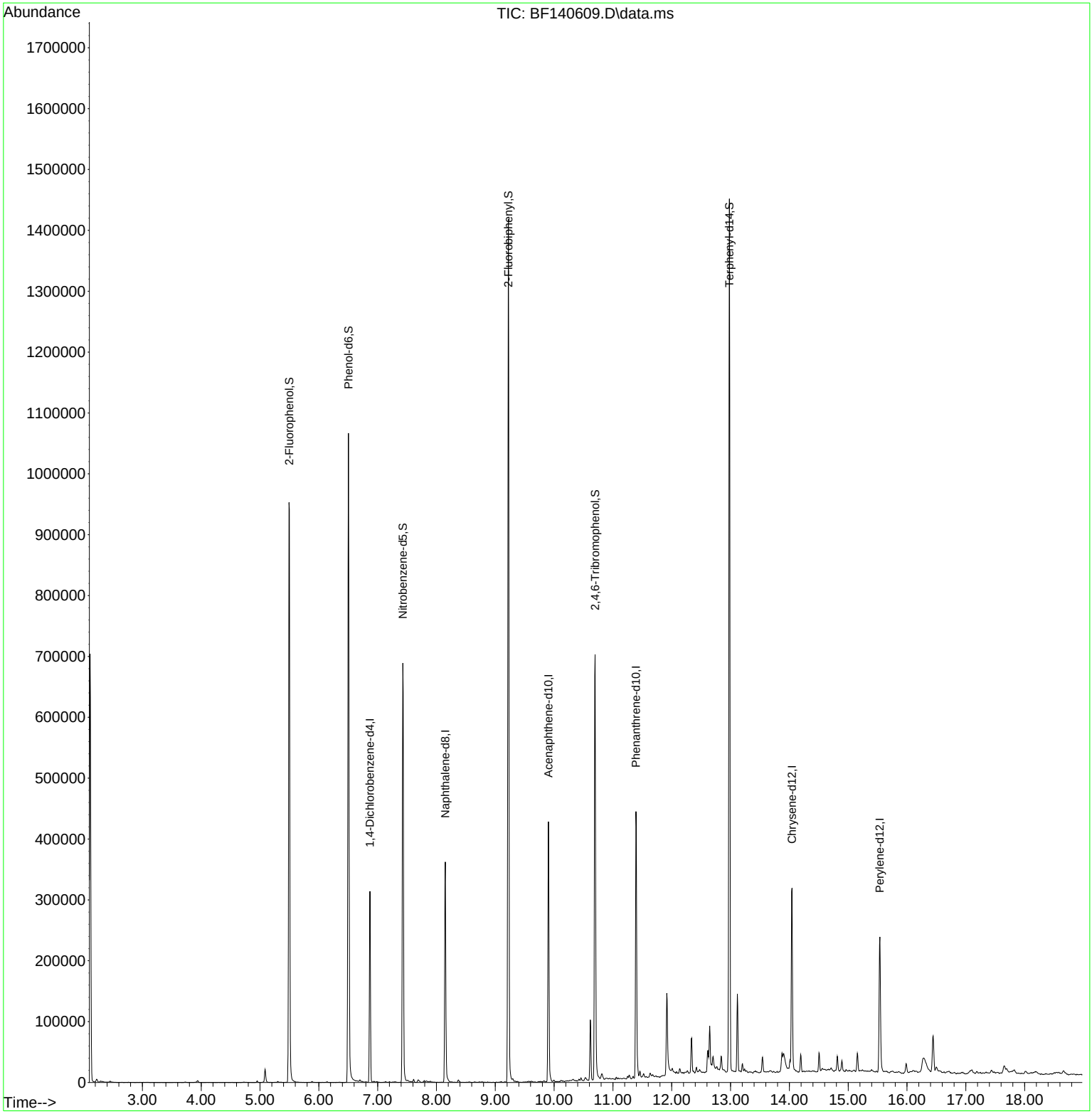
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	64351	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	240053	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	128312	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	245251	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	151880	20.000	ng	0.00
86) Perylene-d12	15.539	264	134969	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	371969	98.624	ng	0.00
7) Phenol-d6	6.504	99	486900	97.651	ng	-0.01
23) Nitrobenzene-d5	7.428	82	318496	67.865	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	126860	92.443	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	632848	73.486	ng	-0.01
79) Terphenyl-d14	12.980	244	692564	71.004	ng	-0.01
Target Compounds						Qvalue

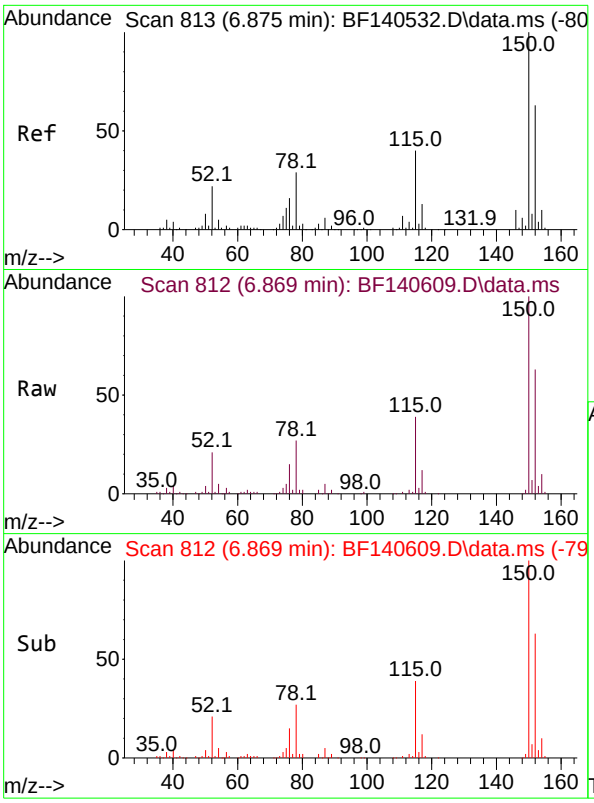
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140609.D
Acq On : 25 Nov 2024 18:07
Operator : RC/JU
Sample : P4860-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

Quant Time: Nov 26 00:08:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



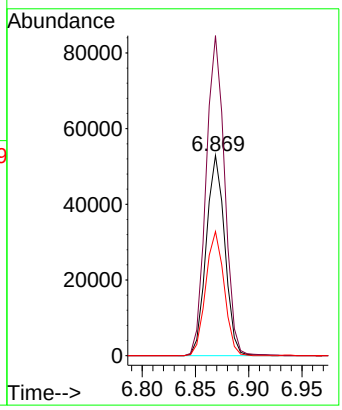


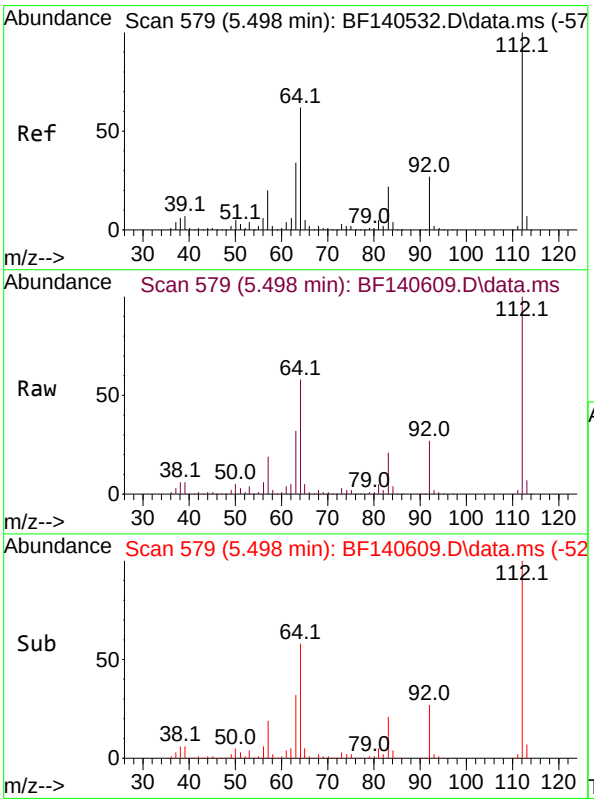
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140609.D
Acq: 25 Nov 2024 18:07

Instrument :
BNA_F
ClientSampleId :
DUP-01

Tgt Ion:152 Resp: 64351

Ion	Ratio	Lower	Upper
152	100		
150	159.8	128.5	192.7
115	62.0	50.2	75.4

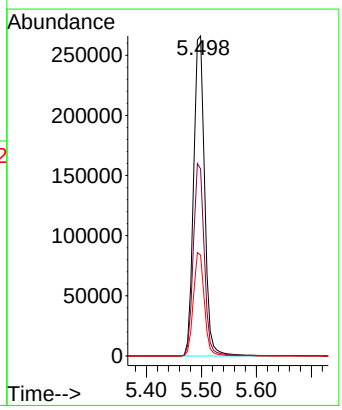


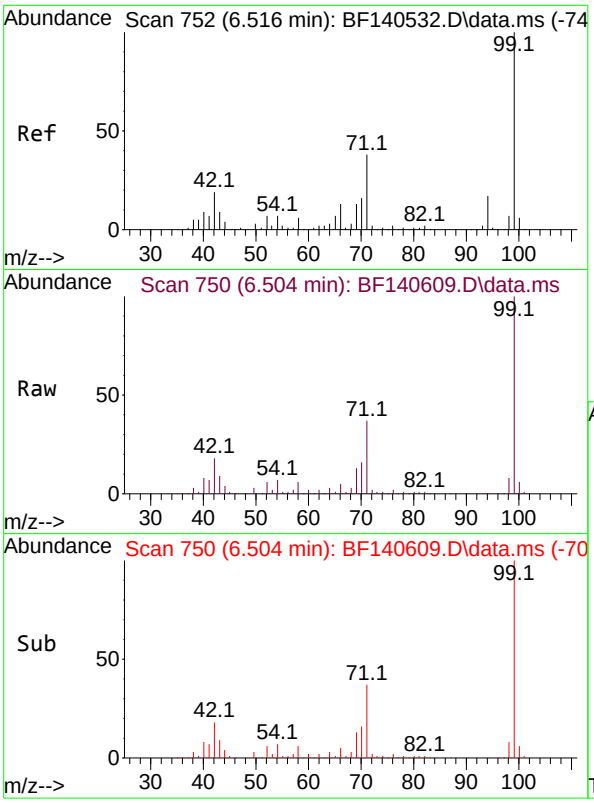


#5
2-Fluorophenol
Concen: 98.624 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF140609.D
Acq: 25 Nov 2024 18:07

Tgt Ion:112 Resp: 371969

Ion	Ratio	Lower	Upper
112	100		
64	58.5	49.2	73.8
63	31.5	27.0	40.4



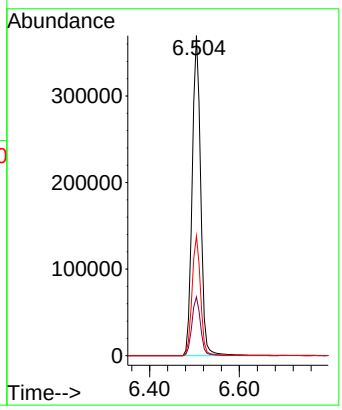


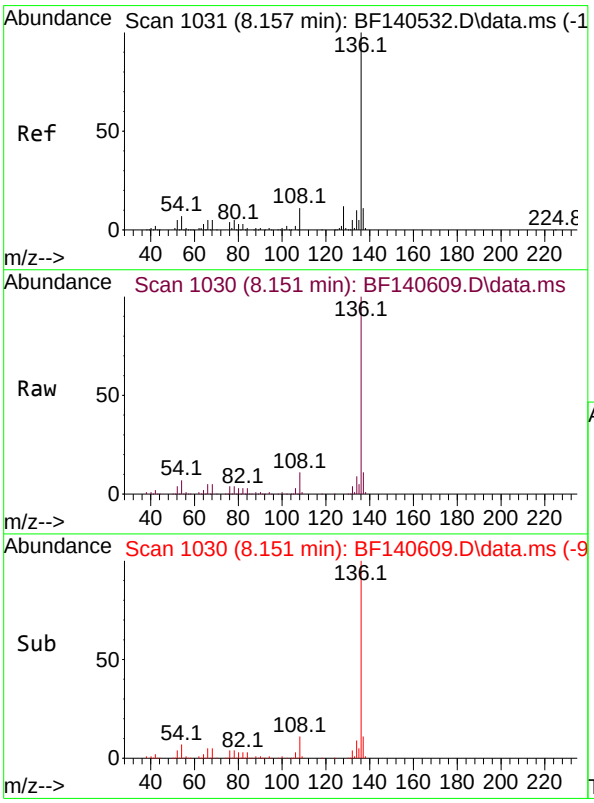
#7
Phenol-d6
Concen: 97.651 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF140609.D
Acq: 25 Nov 2024 18:07

Instrument :
BNA_F
ClientSampleId :
DUP-01

Tgt Ion: 99 Resp: 486900

Ion	Ratio	Lower	Upper
99	100		
42	18.4	15.4	23.0
71	37.4	30.6	46.0

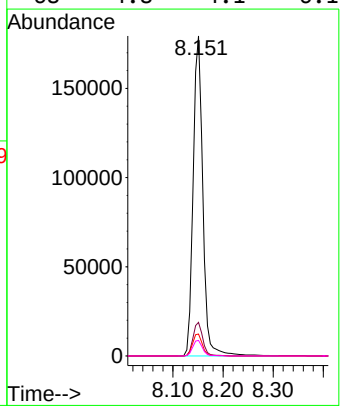


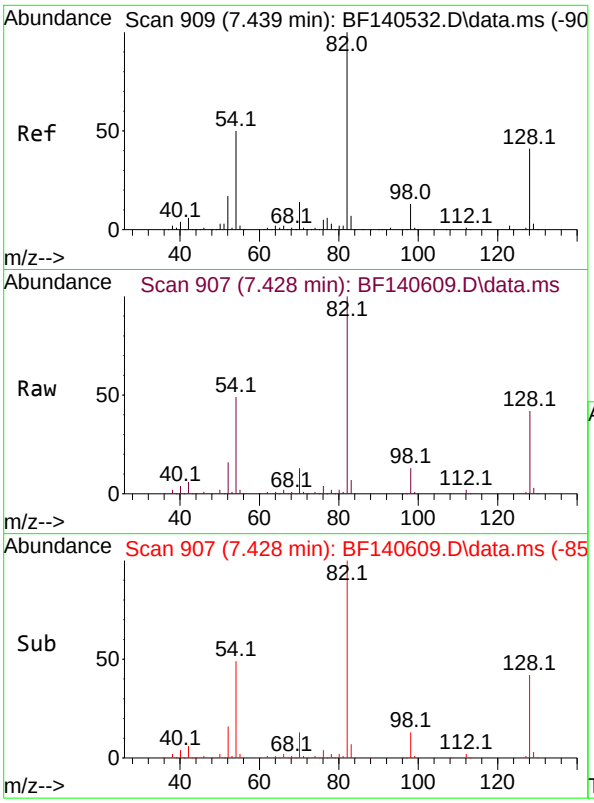


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140609.D
Acq: 25 Nov 2024 18:07

Tgt Ion:136 Resp: 240053

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	6.8	5.8	8.8
68	4.8	4.1	6.1



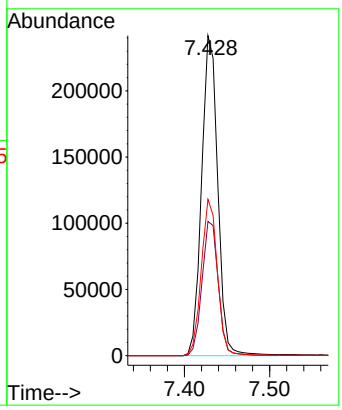


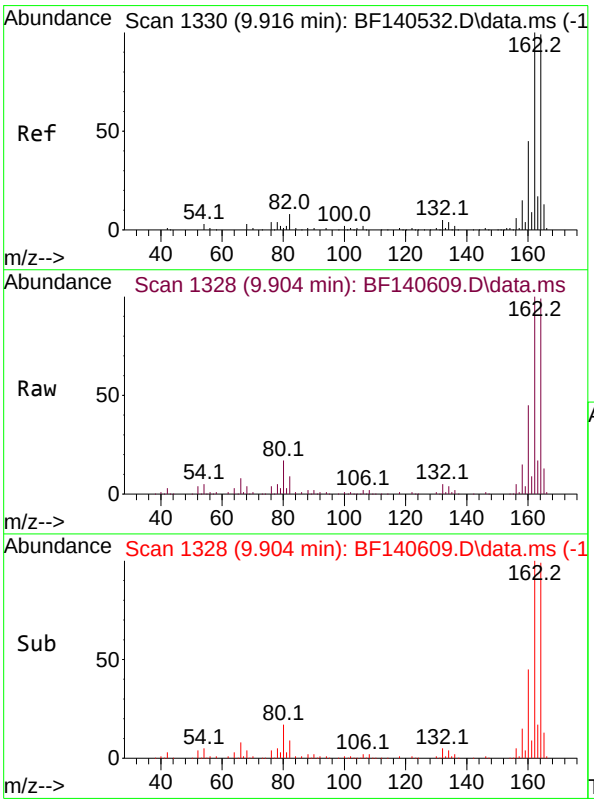
#23
Nitrobenzene-d5
Concen: 67.865 ng
RT: 7.428 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF140609.D
Acq: 25 Nov 2024 18:07

Instrument :
BNA_F
ClientSampleId :
DUP-01

Tgt Ion: 82 Resp: 318496

Ion	Ratio	Lower	Upper
82	100		
128	41.9	33.0	49.4
54	48.9	39.5	59.3

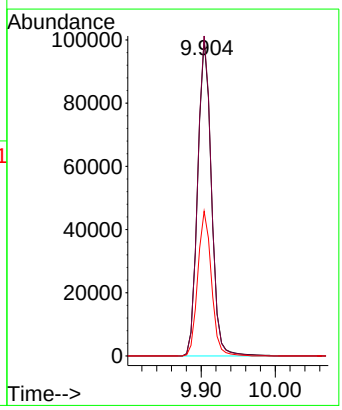


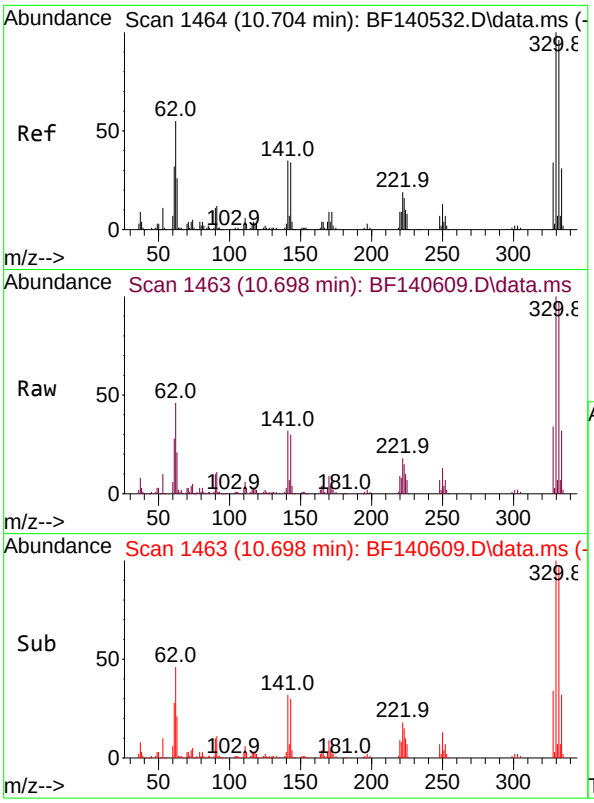


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140609.D
Acq: 25 Nov 2024 18:07

Tgt Ion:164 Resp: 128312

Ion	Ratio	Lower	Upper
164	100		
162	101.2	80.6	120.8
160	45.7	36.2	54.4



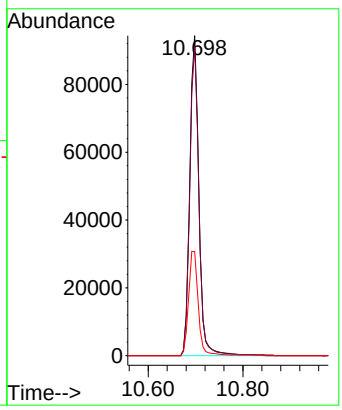


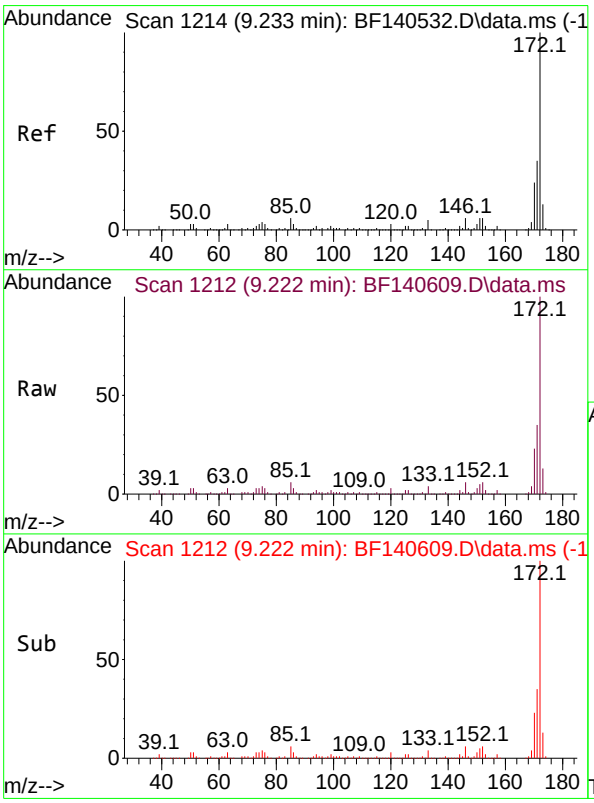
#42
2,4,6-Tribromophenol
Concen: 92.443 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140609.D
Acq: 25 Nov 2024 18:07

Instrument :
BNA_F
ClientSampleId :
DUP-01

Tgt Ion:330 Resp: 126860

Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.9	115.3
141	34.6	26.7	40.1

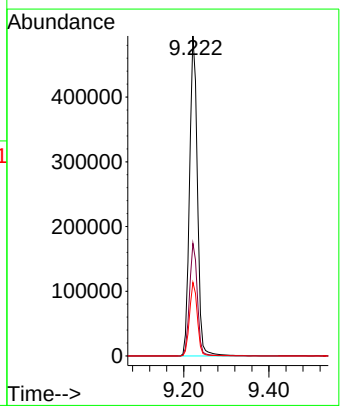


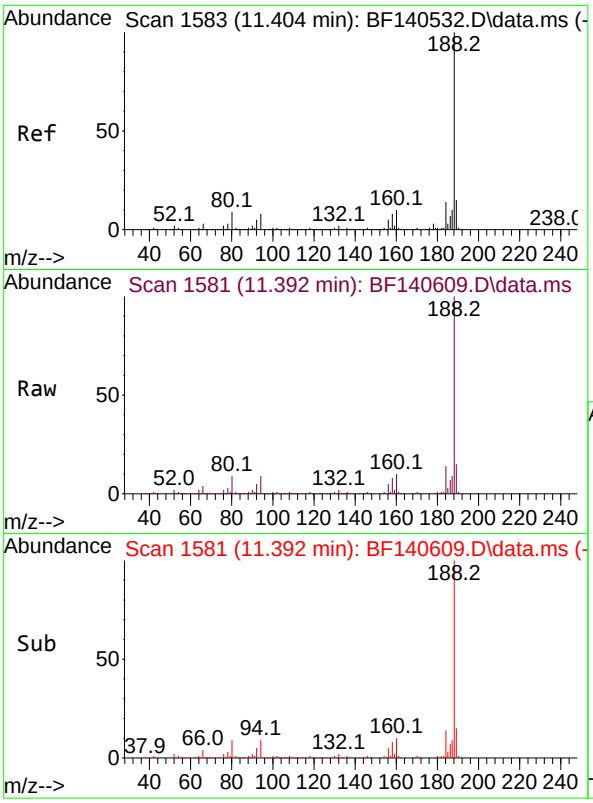


#45
2-Fluorobiphenyl
Concen: 73.486 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140609.D
Acq: 25 Nov 2024 18:07

Tgt Ion:172 Resp: 632848

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.4	42.6
170	23.0	19.0	28.6



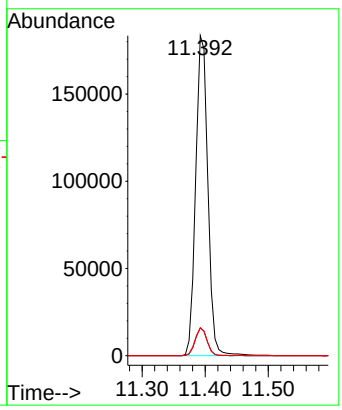


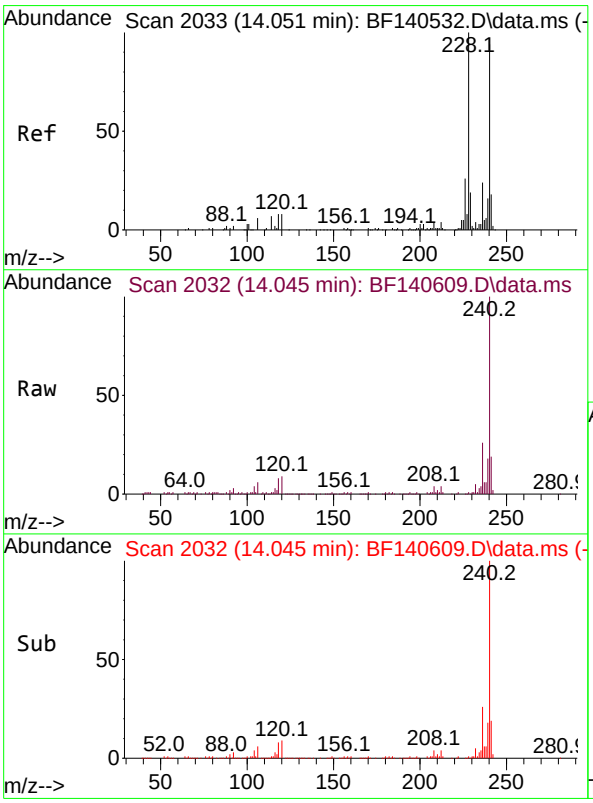
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140609.D
Acq: 25 Nov 2024 18:07

Instrument :
BNA_F
ClientSampleId :
DUP-01

Tgt Ion:188 Resp: 245251

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.4	9.6
80	8.8	6.9	10.3

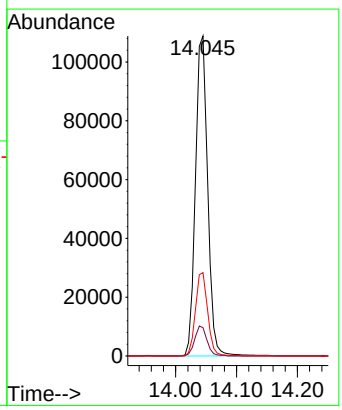


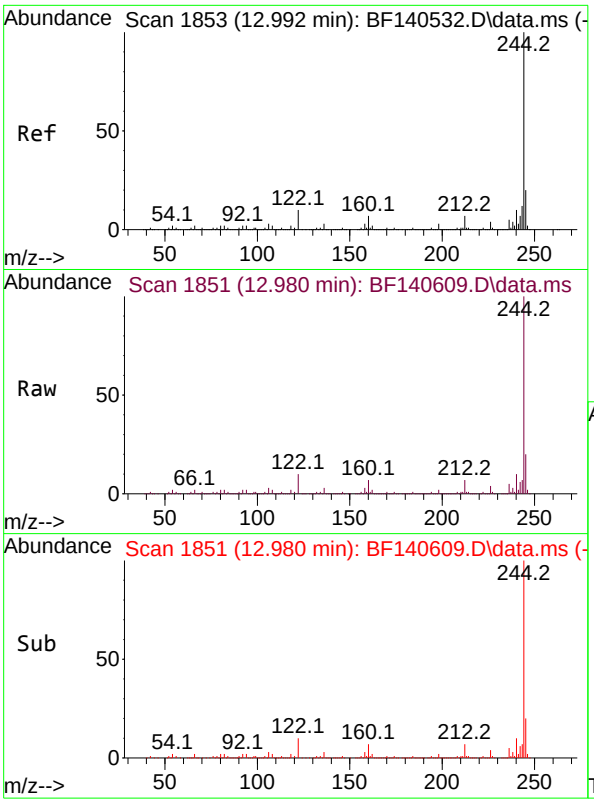


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140609.D
Acq: 25 Nov 2024 18:07

Tgt Ion:240 Resp: 151880

Ion	Ratio	Lower	Upper
240	100		
120	8.8	7.3	10.9
236	26.1	20.6	31.0



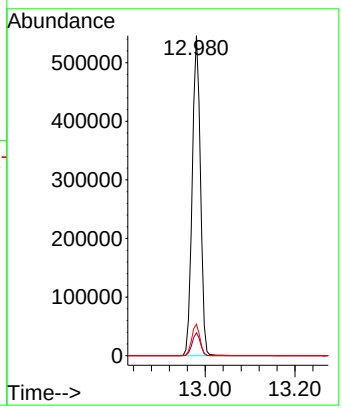


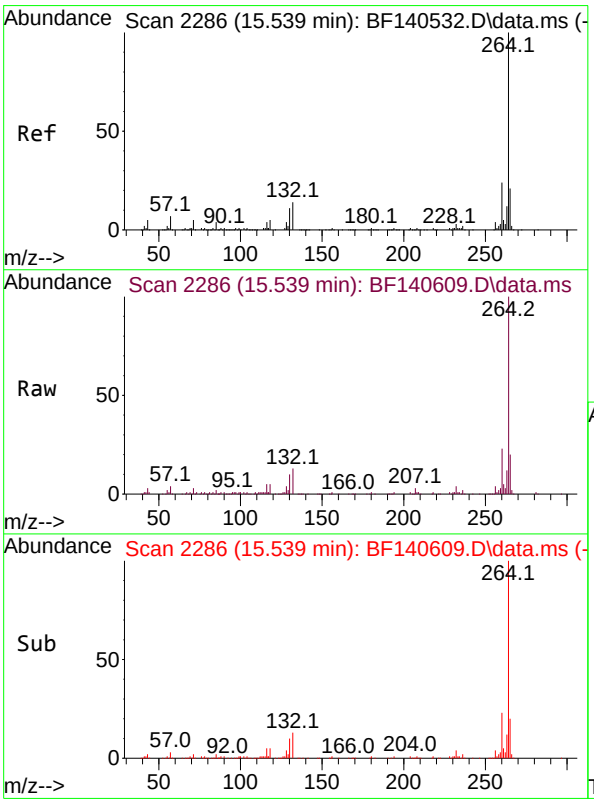
#79
Terphenyl-d14
Concen: 71.004 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140609.D
Acq: 25 Nov 2024 18:07

Instrument :
BNA_F
ClientSampleId :
DUP-01

Tgt Ion:244 Resp: 692564

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	9.8	8.0	12.0

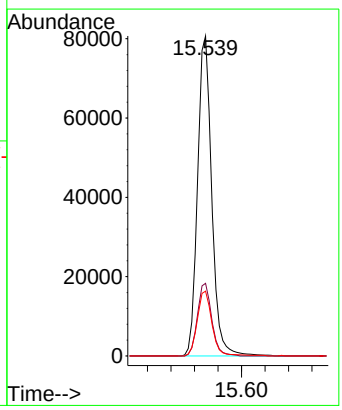




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2286
Delta R.T. -0.000 min
Lab File: BF140609.D
Acq: 25 Nov 2024 18:07

Tgt Ion:264 Resp: 134969

Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.0	28.6
265	20.2	16.6	25.0



Sample Results: **BF140609.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140609.D
Acq On : 25 Nov 2024 18:07
Operator : RC/JU
Sample : P4860-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-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-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140609.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.087	504	509	518	rVB	21181	31645	1.74%	0.255%
2	5.492	573	578	594	rBV	952643	1322198	72.86%	10.637%
3	6.504	744	750	771	rBV	1066743	1437303	79.21%	11.563%
4	6.869	807	812	819	rBV	313561	379664	20.92%	3.054%
5	7.428	902	907	918	rBV	688756	908768	50.08%	7.311%
6	8.151	1024	1030	1044	rBV	361539	478807	26.39%	3.852%
7	9.222	1207	1212	1222	rBV	1417930	1786621	98.46%	14.373%
8	9.904	1323	1328	1340	rBV	427158	546386	30.11%	4.396%
9	10.616	1444	1449	1457	rBV	99351	126824	6.99%	1.020%
10	10.698	1457	1463	1477	rVV	698988	969983	53.45%	7.804%
11	10.810	1477	1482	1489	rVB4	9027	19825	1.09%	0.159%
12	11.392	1576	1581	1589	rBV	438315	601408	33.14%	4.838%
13	11.916	1665	1670	1682	rBV	134906	228074	12.57%	1.835%
14	12.339	1737	1742	1746	rBV2	57119	74573	4.11%	0.600%
15	12.615	1784	1789	1791	rBV	35097	53959	2.97%	0.434%
16	12.645	1791	1794	1800	rVV	72874	103878	5.72%	0.836%
17	12.704	1800	1804	1810	rVB	19837	34090	1.88%	0.274%
18	12.839	1823	1827	1834	rVB2	22493	31841	1.75%	0.256%
19	12.980	1845	1851	1856	rBV	1433570	1814641	100.00%	14.599%
20	13.115	1869	1874	1879	rBV	127615	157157	8.66%	1.264%
21	13.545	1942	1947	1952	rBV	24399	32950	1.82%	0.265%
22	13.874	1998	2003	2005	rBV	29293	45690	2.52%	0.368%
23	14.045	2027	2032	2043	rVB	300603	432045	23.81%	3.476%
24	14.192	2053	2057	2062	rVB	28407	36959	2.04%	0.297%
25	14.504	2106	2110	2115	rBV	31032	41788	2.30%	0.336%
26	14.815	2159	2163	2169	rVB	24351	33859	1.87%	0.272%
27	14.892	2173	2176	2183	rVB	17829	24382	1.34%	0.196%
28	15.157	2216	2221	2226	rBV	29850	43815	2.41%	0.352%
29	15.539	2280	2286	2297	rBV	221846	372267	20.51%	2.995%
30	15.986	2358	2362	2368	rVB2	14658	23319	1.29%	0.188%
31	16.286	2405	2413	2433	rVB2	22236	111314	6.13%	0.896%
32	16.445	2434	2440	2445	rBV2	58154	105767	5.83%	0.851%
33	17.656	2641	2646	2650	rBV6	8622	18230	1.00%	0.147%

Sum of corrected areas: 12430030

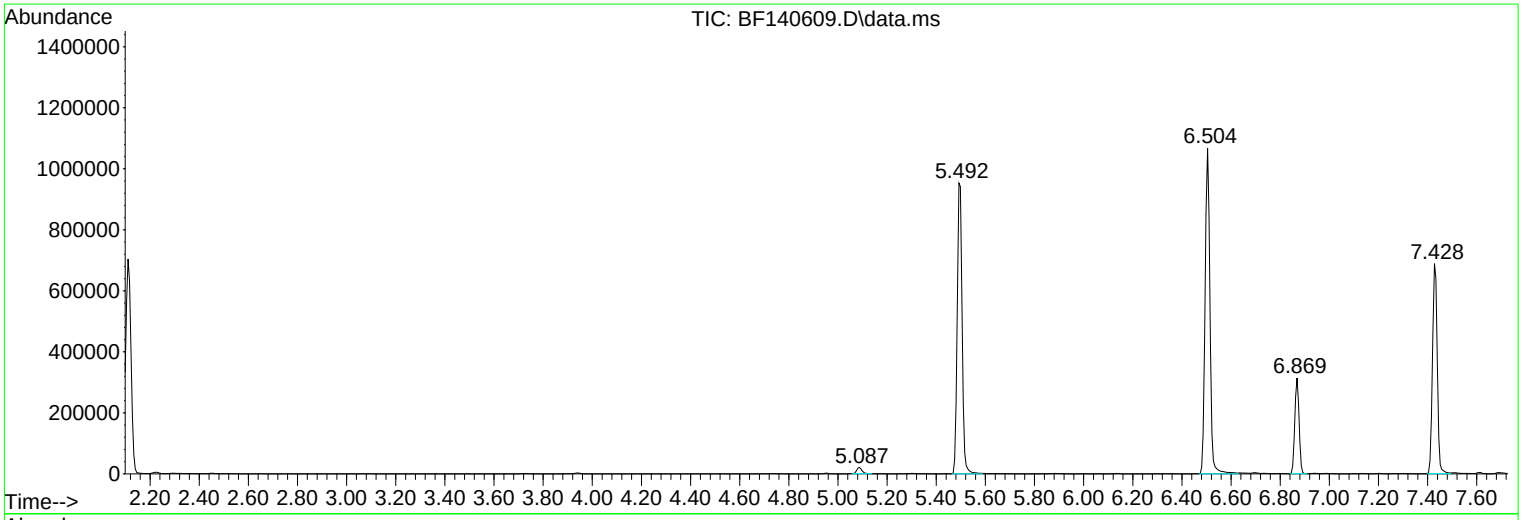
Sample Results: **BF140609.D**

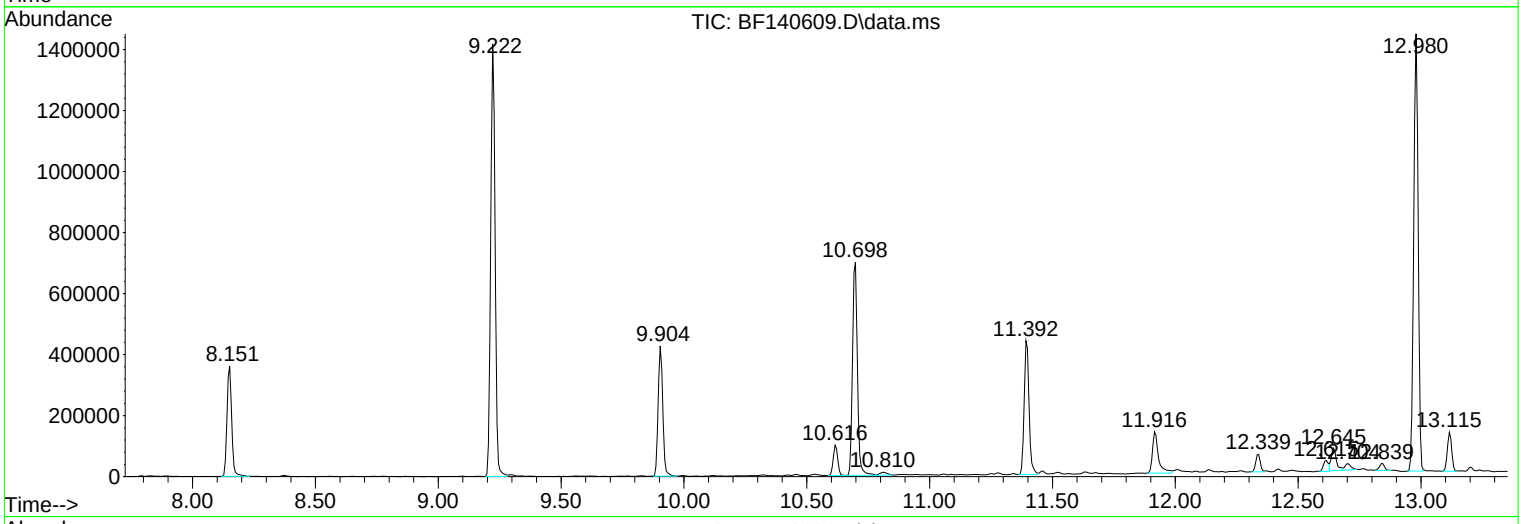
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140609.D
Acq On : 25 Nov 2024 18:07
Operator : RC/JU
Sample : P4860-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

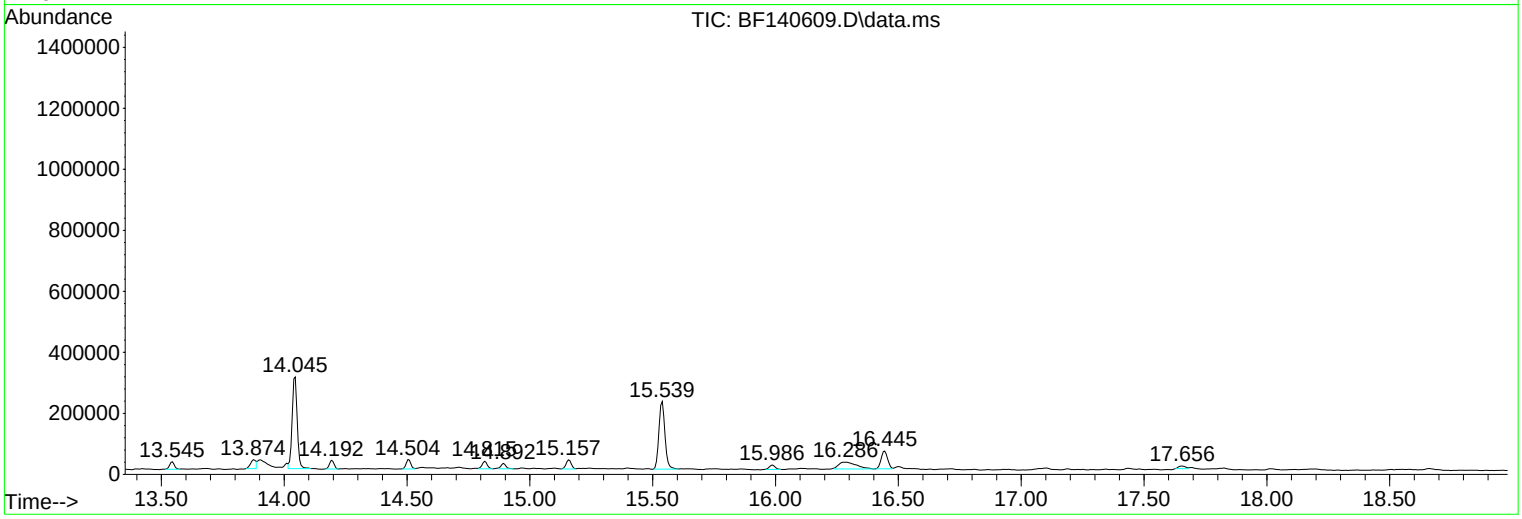
Instrument :
BNA_F
ClientSampleId :
DUP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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\BF112524\
Data File : BF140609.D
Acq On : 25 Nov 2024 18:07
Operator : RC/JU
Sample : P4860-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

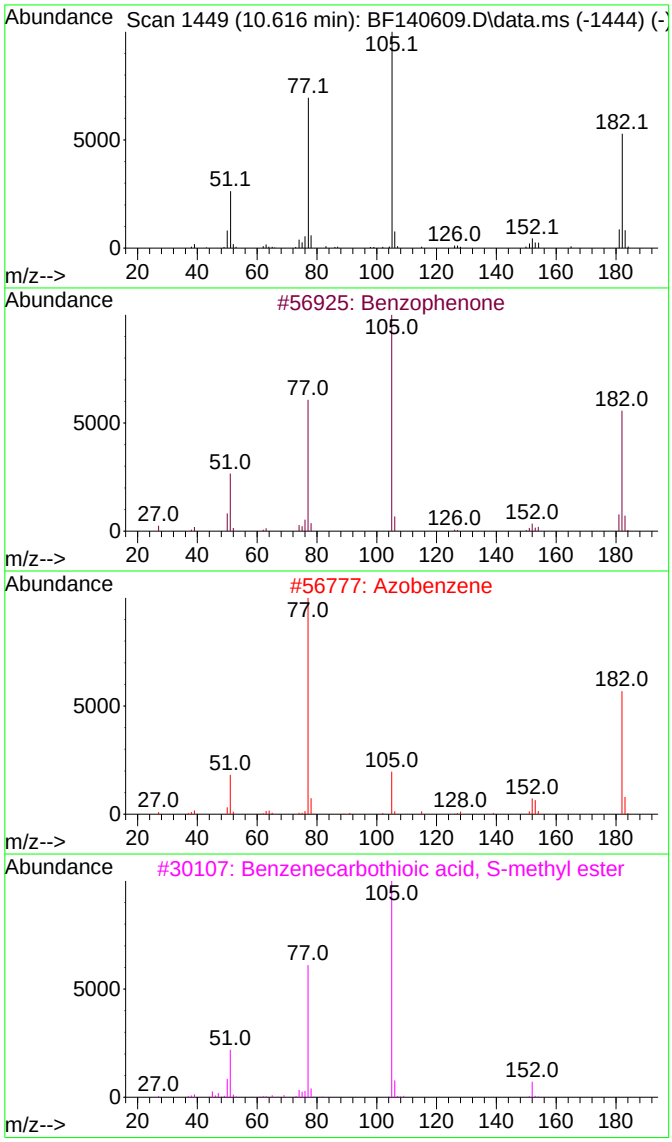
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

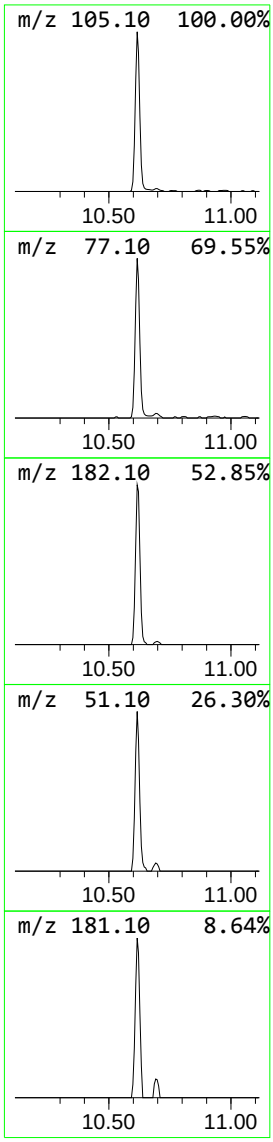
****

Peak Number 1 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	4.64 ng	126824	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	64
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	52
4	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	49
5	Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140609.D
Acq On : 25 Nov 2024 18:07
Operator : RC/JU
Sample : P4860-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

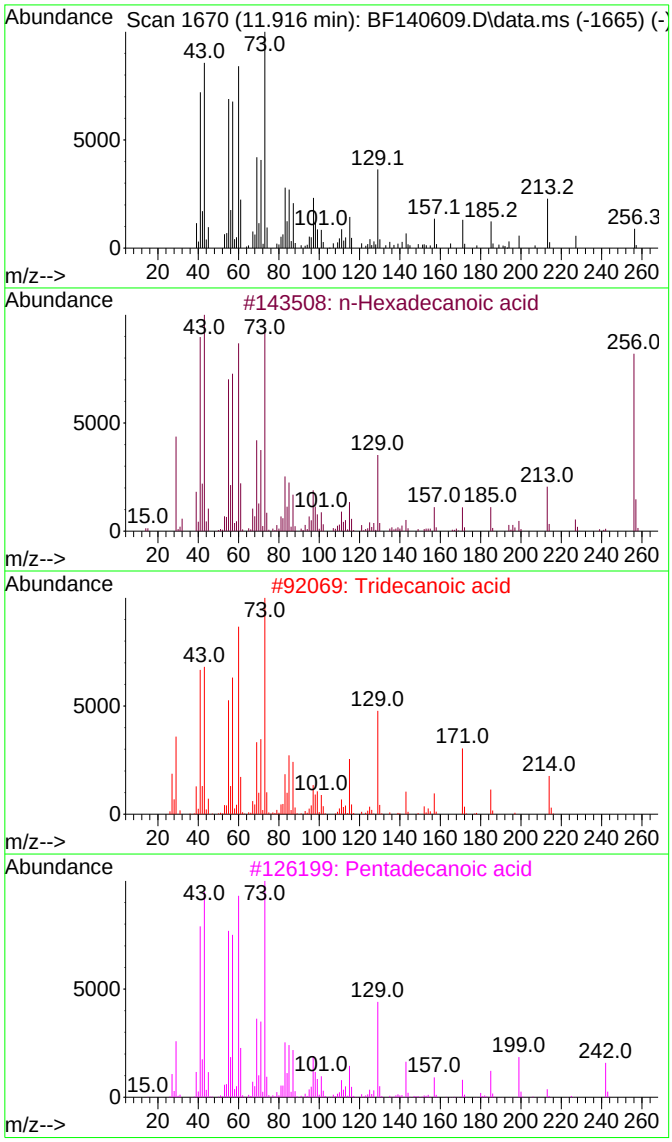
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

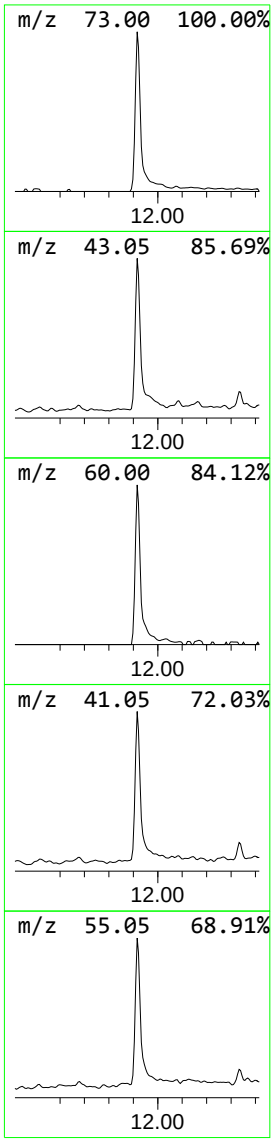
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	7.58 ng	228074	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5	8-Methylnonanoic acid	172	C10H20O2	005963-14-4	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140609.D
Acq On : 25 Nov 2024 18:07
Operator : RC/JU
Sample : P4860-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

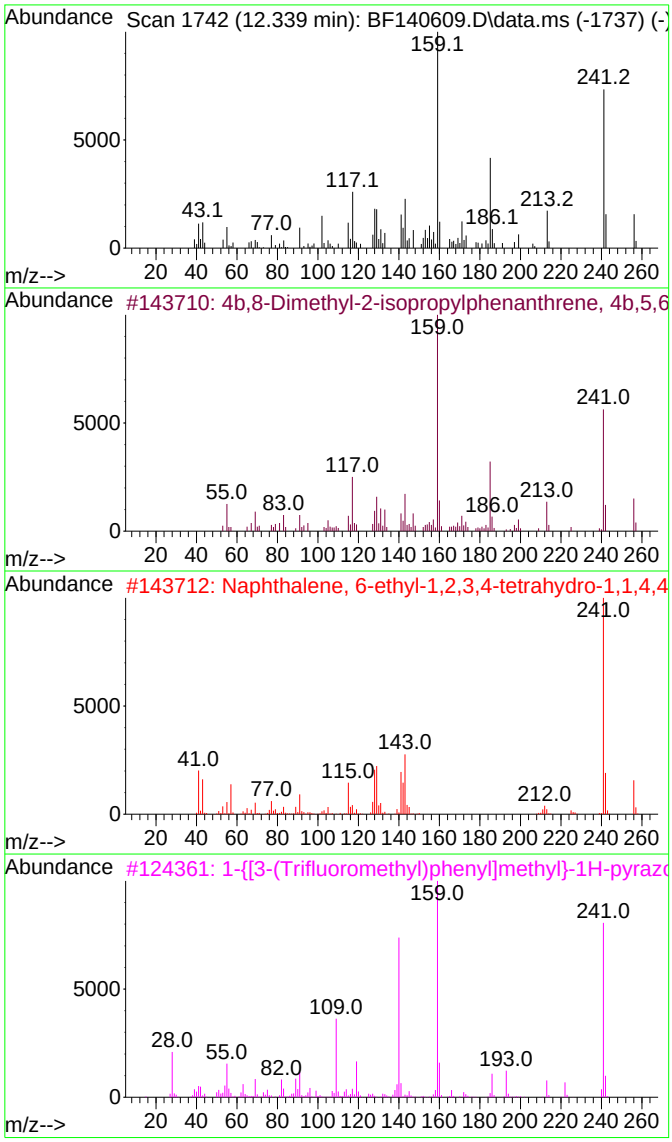
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

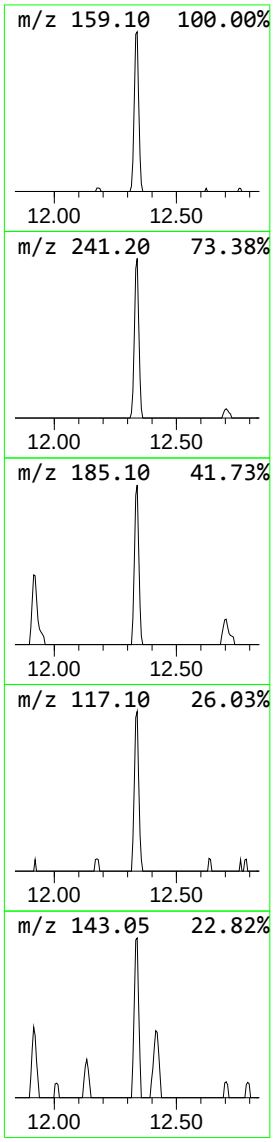
****

Peak Number 3 4b,8-Dimethyl-2-isopropylph... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.339	2.48 ng	74573	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	95
2	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	52
3	1-{[3-(Trifluoromethyl)phenyl]me...	241	C11H10F3N3	1002033-51-3	52
4	3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15NO2	1010212-95-2	45
5	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	30





```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140609.D
Acq On    : 25 Nov 2024  18:07
Operator  : RC/JU
Sample    : P4860-01
Misc      :
ALS Vial  : 7   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

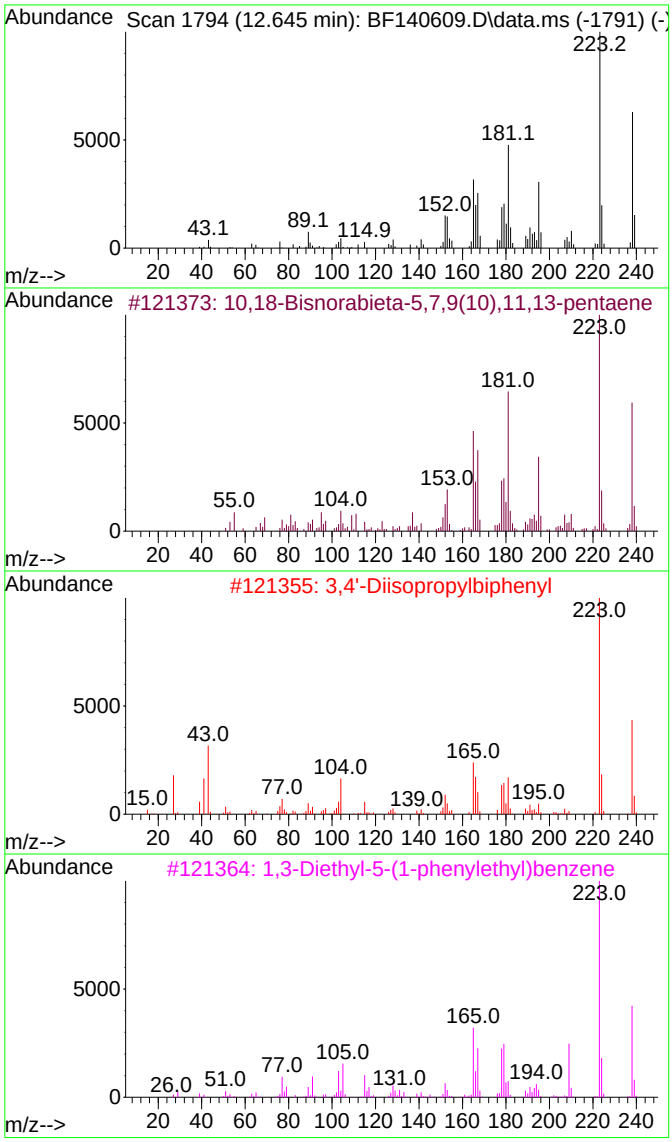
Instrument :
BNA_F
ClientSampleId :
DUP-01

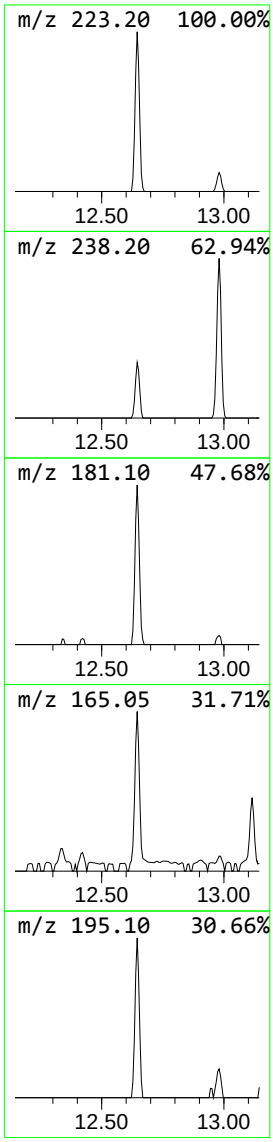
****

Peak Number 4 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.645	3.45 ng	103878	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	90
3	1,3-Diethyl-5-(1-phenylethyl)ben...	238	C18H22	1000482-32-6	89
4	3-(N,N-Diethylamino)carbazole	238	C16H18N2	054994-31-9	64
5	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140609.D
Acq On : 25 Nov 2024 18:07
Operator : RC/JU
Sample : P4860-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

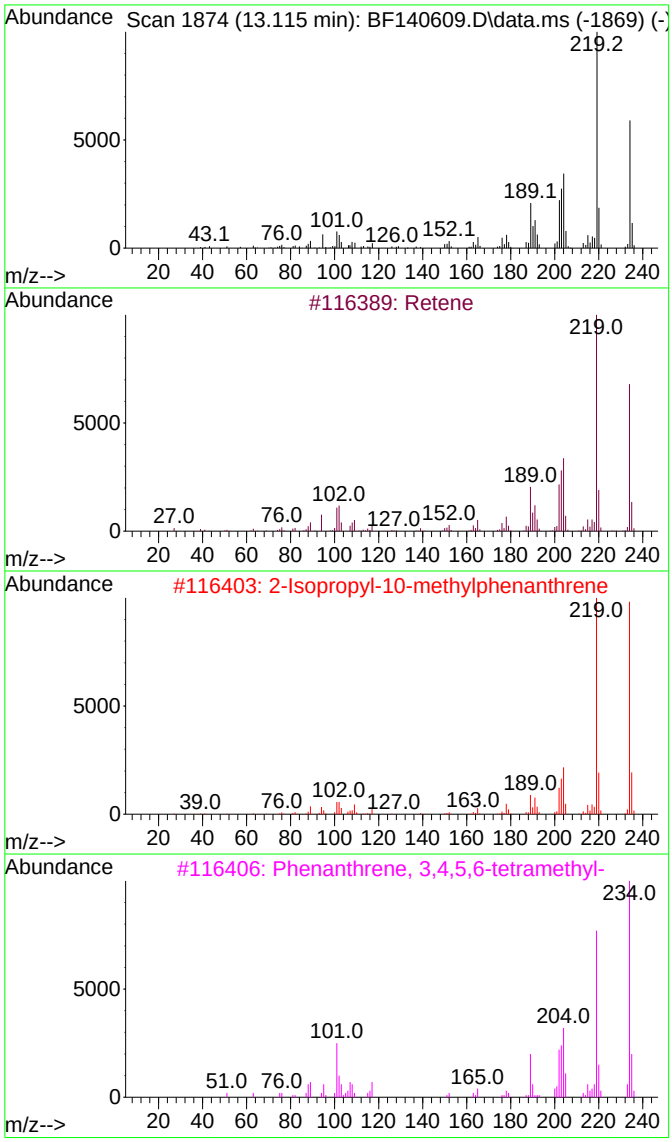
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

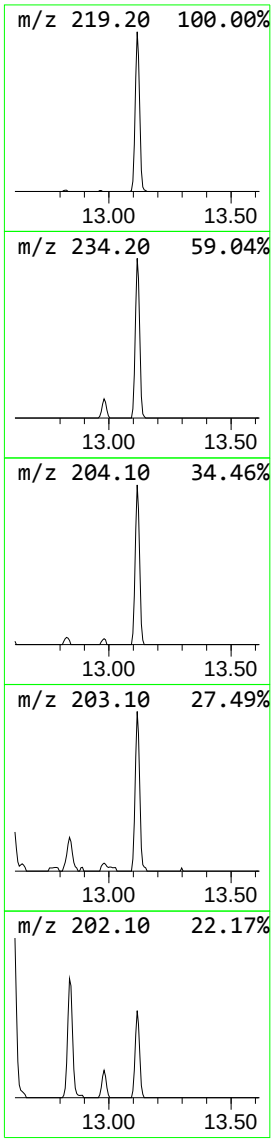
****

Peak Number 5 Retene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.116	7.28 ng	157157	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	98
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	95
3	Phenanthrene, 3,4,5,6-tetramethyl-	234	C18H18	007343-06-8	76
4	Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	62
5	1-(10-Methylanthracen-9-yl)ethanone	234	C17H14O	036778-18-4	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140609.D
Acq On : 25 Nov 2024 18:07
Operator : RC/JU
Sample : P4860-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

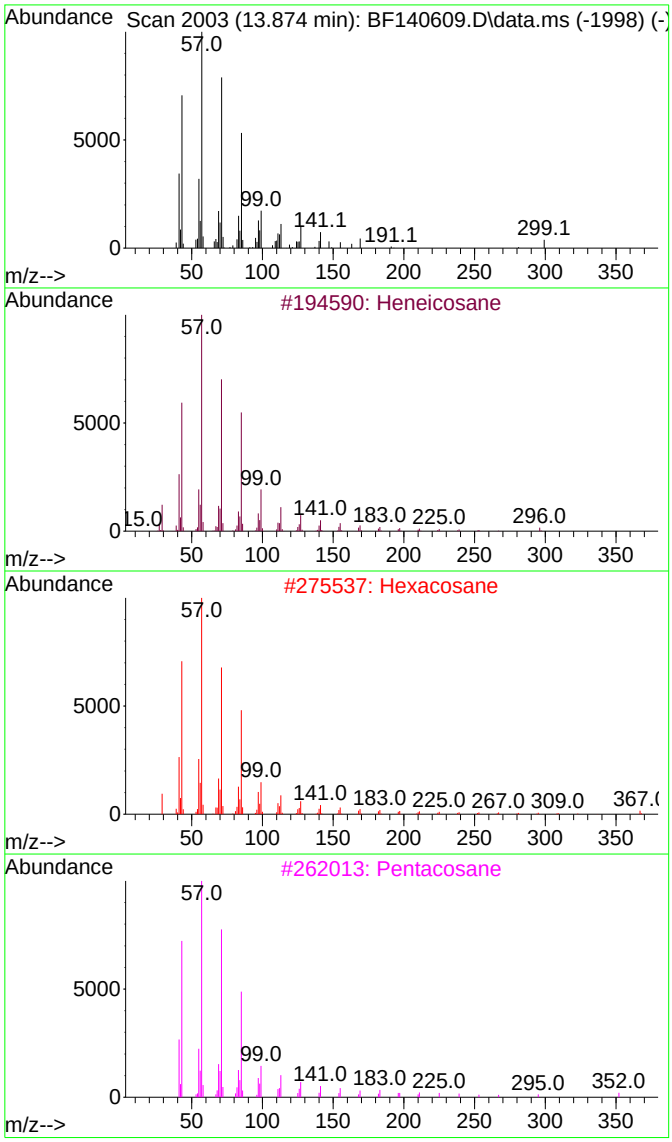
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

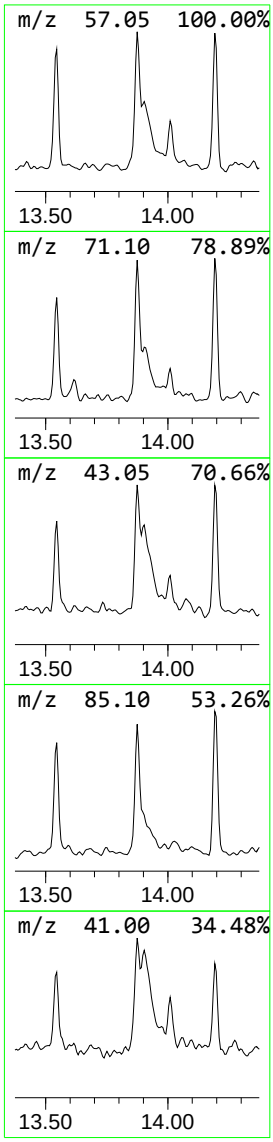
****

Peak Number 6 Heneicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.874	2.12 ng	45690	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Hexacosane	366	C26H54	000630-01-3	91
3	Pentacosane	352	C25H52	000629-99-2	91
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
5	Eicosane	282	C20H42	000112-95-8	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140609.D
Acq On : 25 Nov 2024 18:07
Operator : RC/JU
Sample : P4860-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

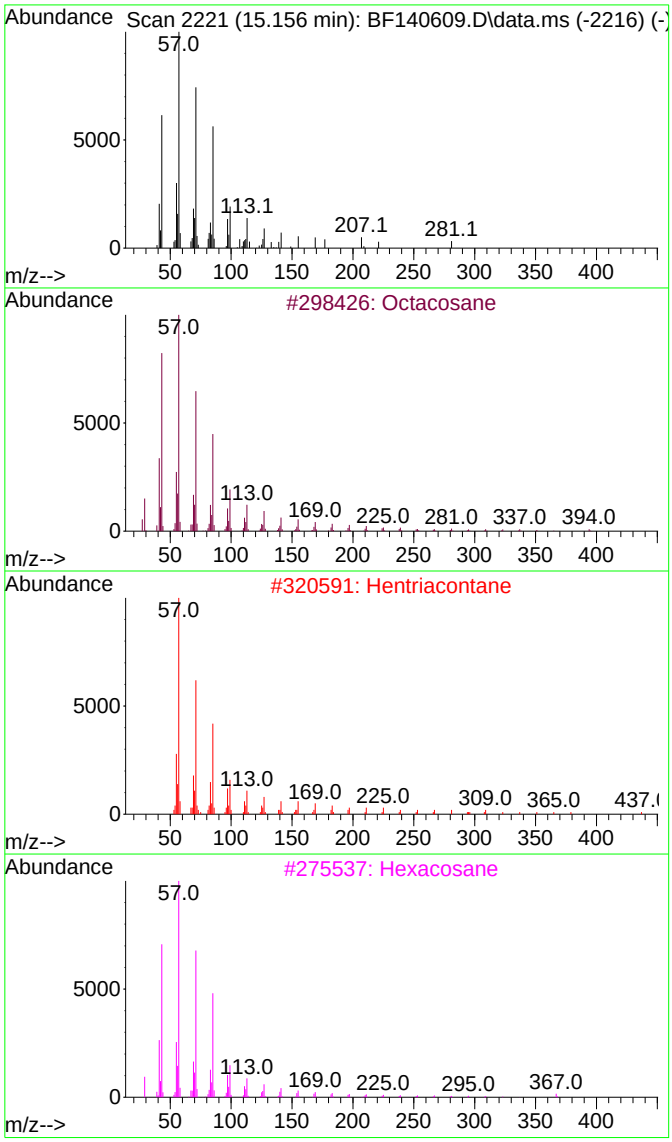
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

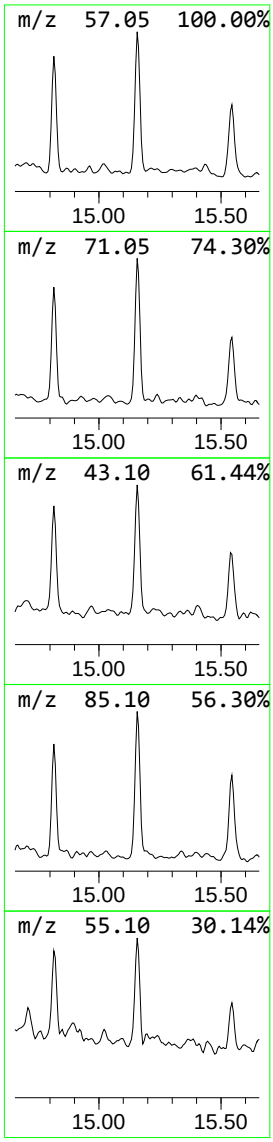
****

Peak Number 7 Octacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.156	2.35 ng	43815	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	91
2	Hentriacontane	437	C31H64	000630-04-6	91
3	Hexacosane	366	C26H54	000630-01-3	90
4	Heneicosane	296	C21H44	000629-94-7	90
5	Heptacosane	380	C27H56	000593-49-7	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140609.D
Acq On : 25 Nov 2024 18:07
Operator : RC/JU
Sample : P4860-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

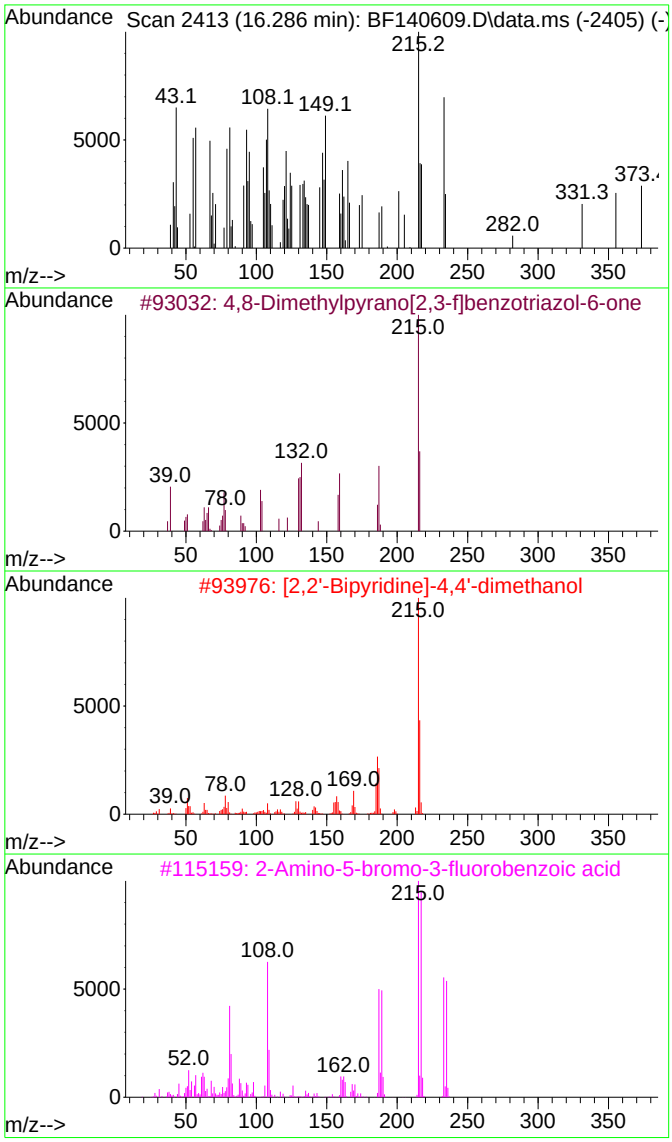
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

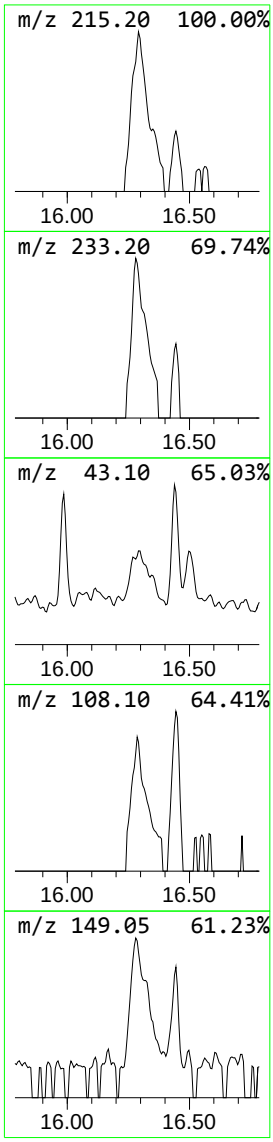
****

Peak Number 8 unknown16.286 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.286	5.98 ng	111314	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,8-Dimethylpyrano[2,3-f]benzotr...	215	C11H9N3O2	129503-12-4	14
2	[2,2'-Bipyridine]-4,4'-dimethanol	216	C12H12N2O2	109073-77-0	12
3	2-Amino-5-bromo-3-fluorobenzoic ...	233	C7H5BrFNO2	874784-14-2	12
4	4-Methyl-2H,3H,3aH-pyrrolo[1,2-a...	216	C12H12N2O2	1000387-53-2	12
5	2-Cyclohexen-3-ol-1-one, 2-benzoyl-	216	C13H12O3	061834-43-3	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140609.D
Acq On : 25 Nov 2024 18:07
Operator : RC/JU
Sample : P4860-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

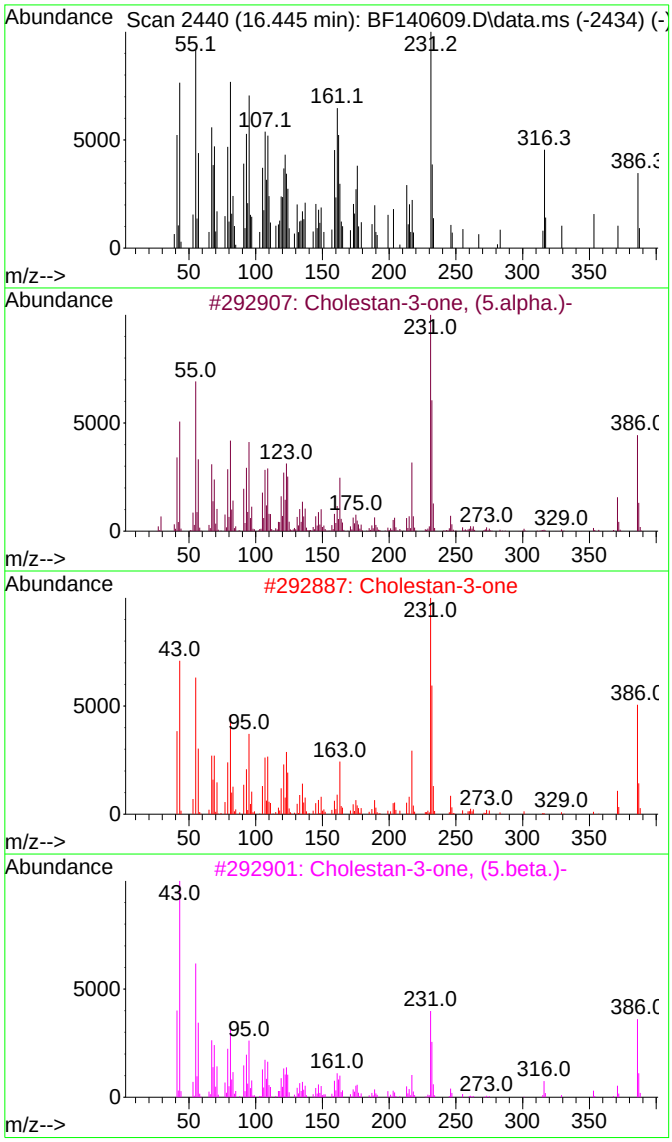
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

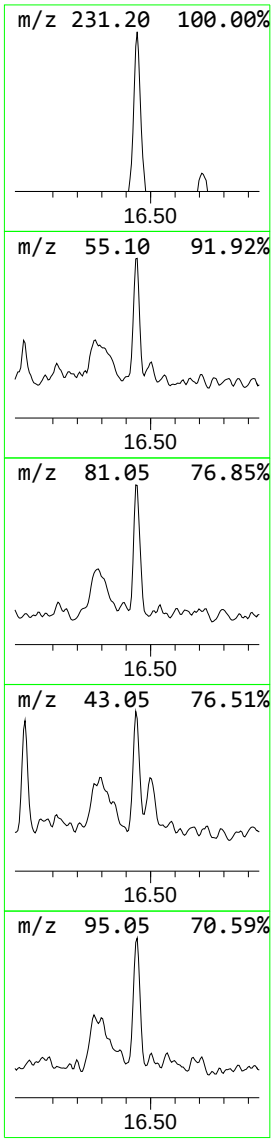
****

Peak Number 9 Cholestan-3-one, (5.alpha.)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.445	5.68 ng	105767	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholestan-3-one, (5.alpha.)-	386	C27H46O	000566-88-1	91
2	Cholestan-3-one	386	C27H46O	015600-08-5	91
3	Cholestan-3-one, (5.beta.)-	386	C27H46O	000601-53-6	86
4	Cholestane, 14-methyl-, (5.alpha.)-	386	C28H50	054482-34-7	30
5	Cholestane, 14-methyl-	386	C28H50	052474-84-7	25





Sample Results: **BF140609.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140609.D
Acq On : 25 Nov 2024 18:07
Operator : RC/JU
Sample : P4860-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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	10.616	4.6	ng	126824	3	9.904	546386	20.0
n-Hexadecanoic ...	11.916	7.6	ng	228074	4	11.392	601408	20.0
4b,8-Dimethyl-2...	12.339	2.5	ng	74573	4	11.392	601408	20.0
10,18-Bisnorabi...	12.645	3.5	ng	103878	4	11.392	601408	20.0
Retene	13.116	7.3	ng	157157	5	14.045	432045	20.0
Heneicosane	13.874	2.1	ng	45690	5	14.045	432045	20.0
Octacosane	15.156	2.4	ng	43815	6	15.539	372267	20.0
unknown16.286	16.286	6.0	ng	111314	6	15.539	372267	20.0
Cholestan-3-one...	16.445	5.7	ng	105767	6	15.539	372267	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Time: Nov 22 22:17:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

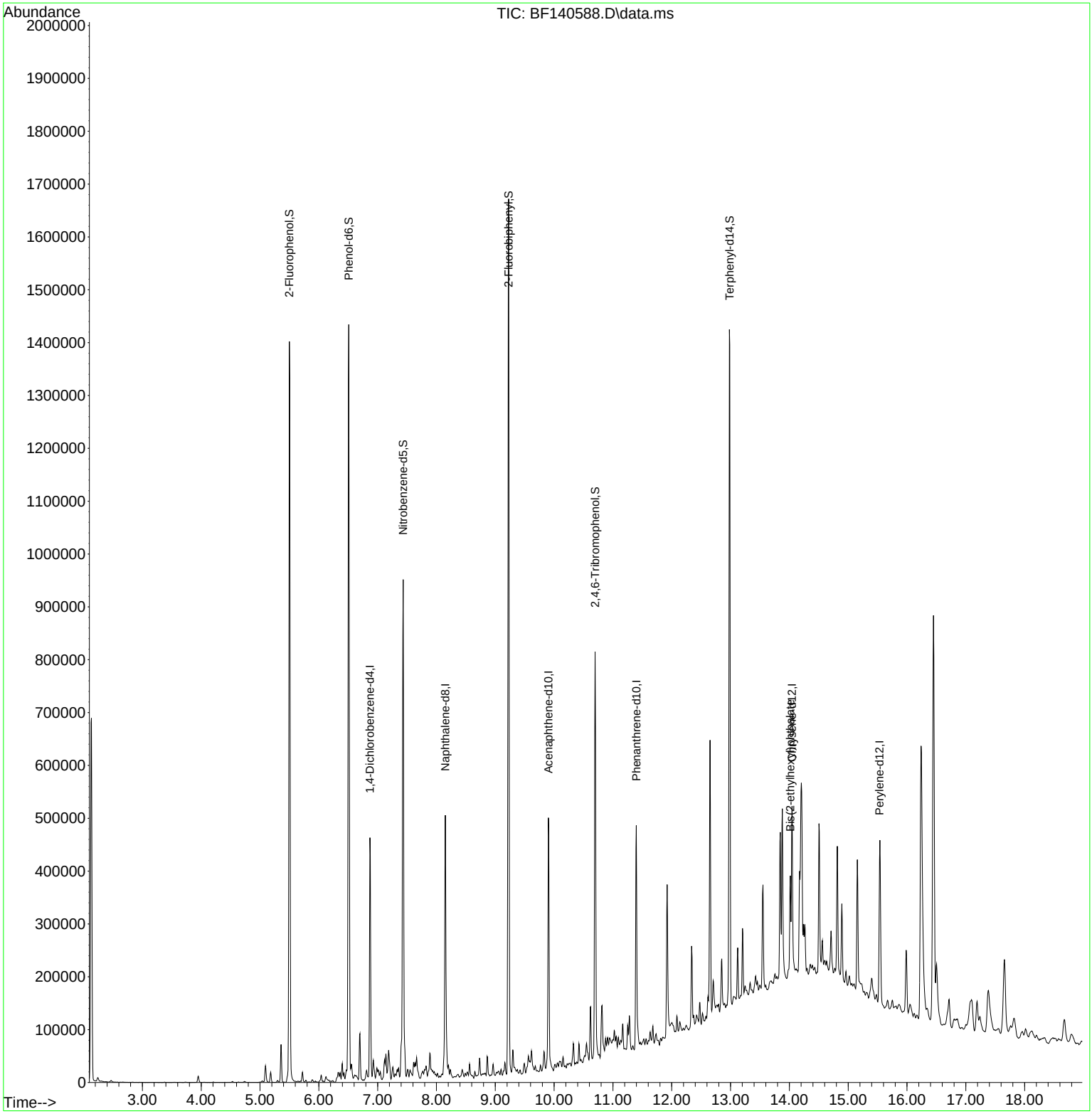
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	91972	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	309675	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	141425	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	223631	20.000	ng	0.00
76) Chrysene-d12	14.045	240	148537	20.000	ng	0.00
86) Perylene-d12	15.533	264	113324	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	537625	99.737	ng	0.00
7) Phenol-d6	6.510	99	689964	96.820	ng	0.00
23) Nitrobenzene-d5	7.434	82	434510	71.770	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	131171	86.722	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	758546	79.914	ng	0.00
79) Terphenyl-d14	12.986	244	647587	67.887	ng	0.00
Target Compounds						Qvalue
84) Bis(2-ethylhexyl)phtha...	14.016	149	77057	12.334	ng	99

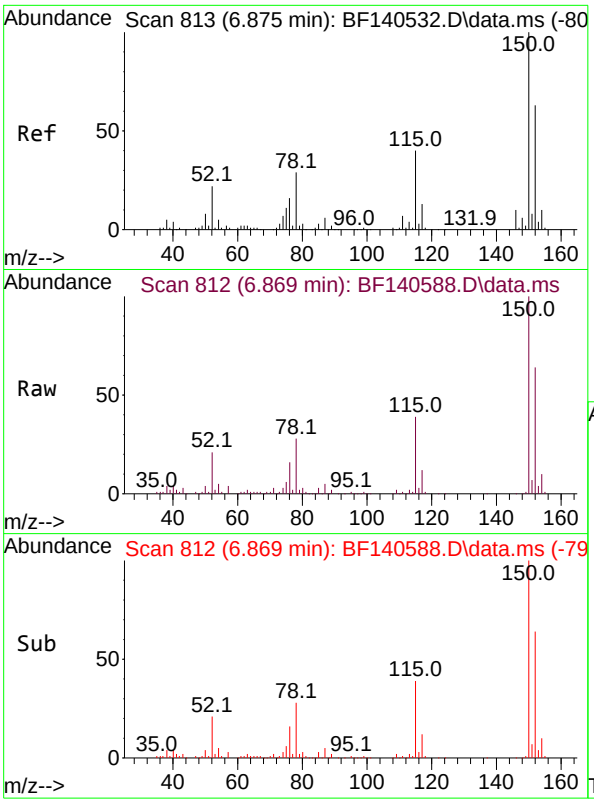
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Time: Nov 22 22:17:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



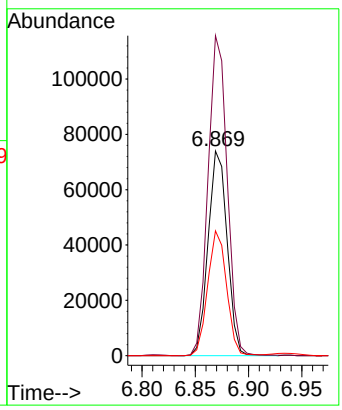


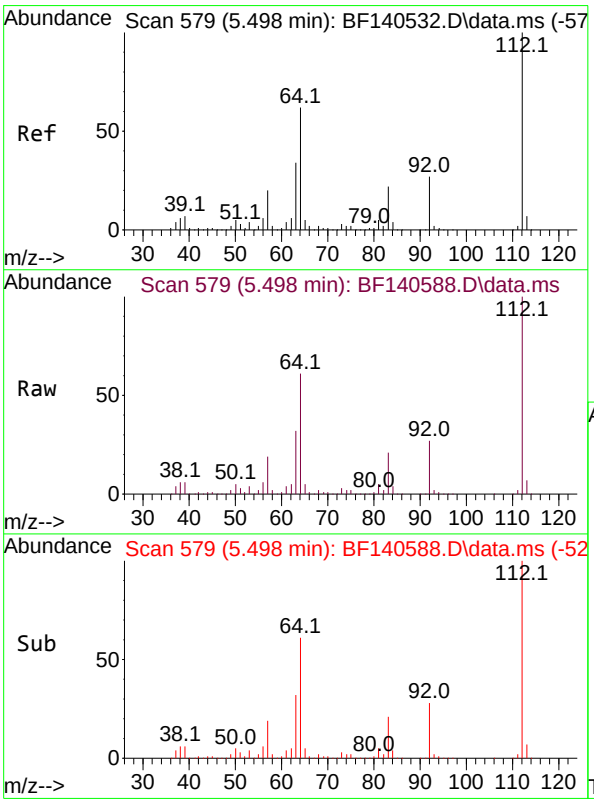
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140588.D
Acq: 22 Nov 2024 19:53

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Tgt Ion:152 Resp: 91972

Ion	Ratio	Lower	Upper
152	100		
150	156.4	128.5	192.7
115	61.0	50.2	75.4

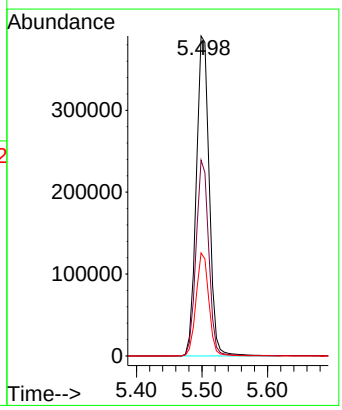


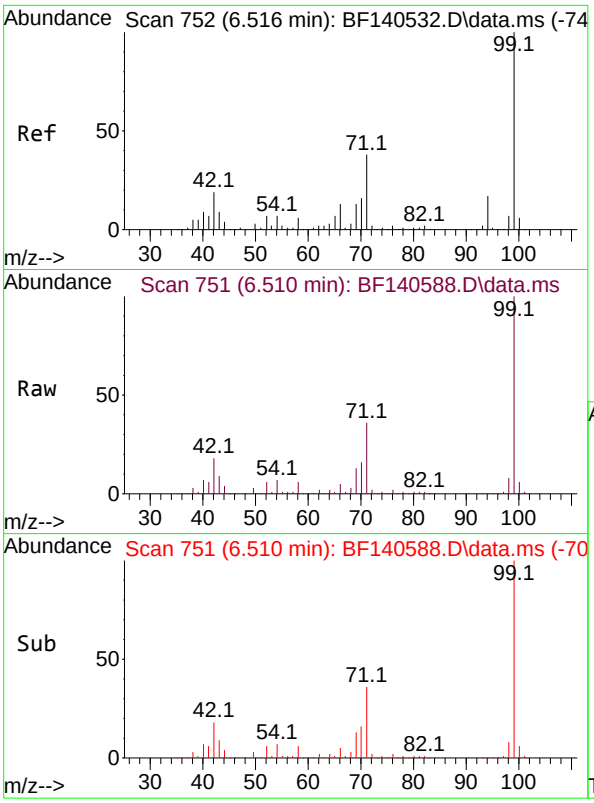


#5
2-Fluorophenol
Concen: 99.737 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140588.D
Acq: 22 Nov 2024 19:53

Tgt Ion:112 Resp: 537625

Ion	Ratio	Lower	Upper
112	100		
64	61.2	49.2	73.8
63	32.2	27.0	40.4



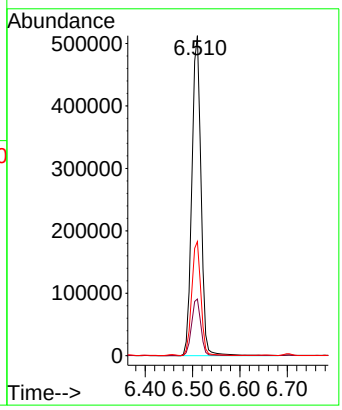


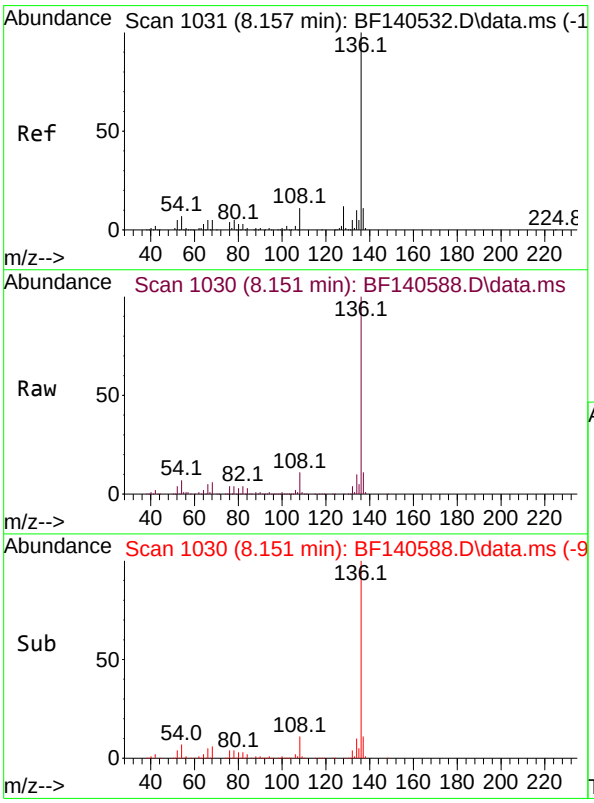
#7
Phenol-d6
Concen: 96.820 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF140588.D
Acq: 22 Nov 2024 19:53

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Tgt Ion: 99 Resp: 689964

Ion	Ratio	Lower	Upper
99	100		
42	17.7	15.4	23.0
71	35.6	30.6	46.0

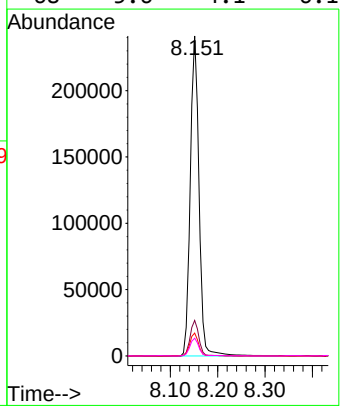


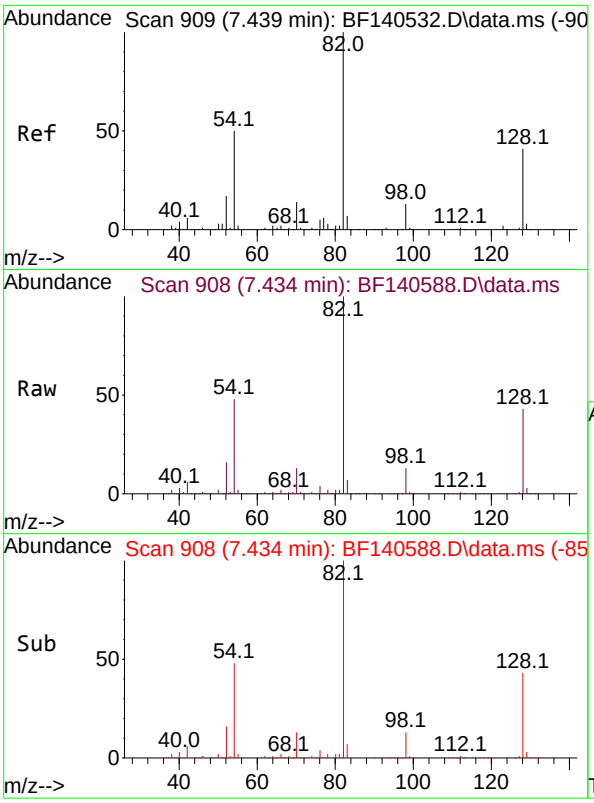


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140588.D
Acq: 22 Nov 2024 19:53

Tgt Ion:136 Resp: 309675

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	7.2	5.8	8.8
68	5.6	4.1	6.1



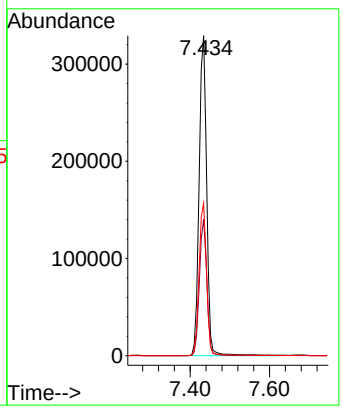


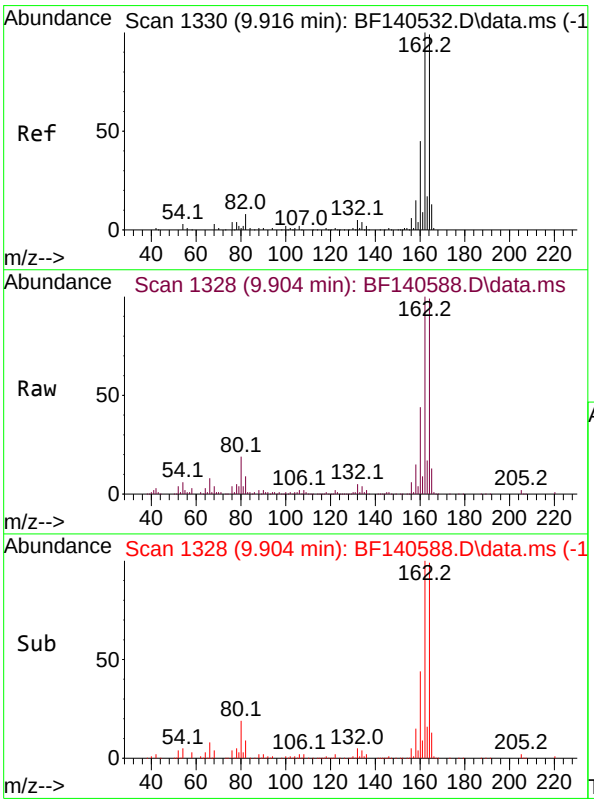
#23
Nitrobenzene-d5
Concen: 71.770 ng
RT: 7.434 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140588.D
Acq: 22 Nov 2024 19:53

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Tgt Ion: 82 Resp: 434510

Ion	Ratio	Lower	Upper
82	100		
128	42.6	33.0	49.4
54	47.6	39.5	59.3

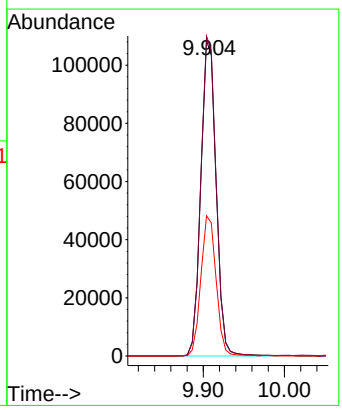


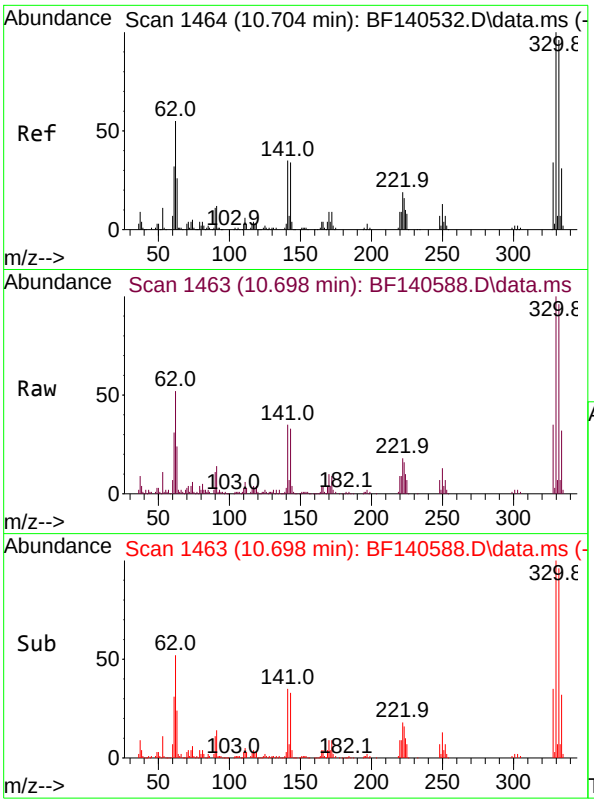


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140588.D
Acq: 22 Nov 2024 19:53

Tgt Ion:164 Resp: 141425

Ion	Ratio	Lower	Upper
164	100		
162	101.4	80.6	120.8
160	44.4	36.2	54.4



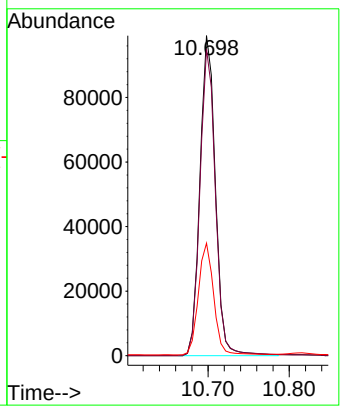


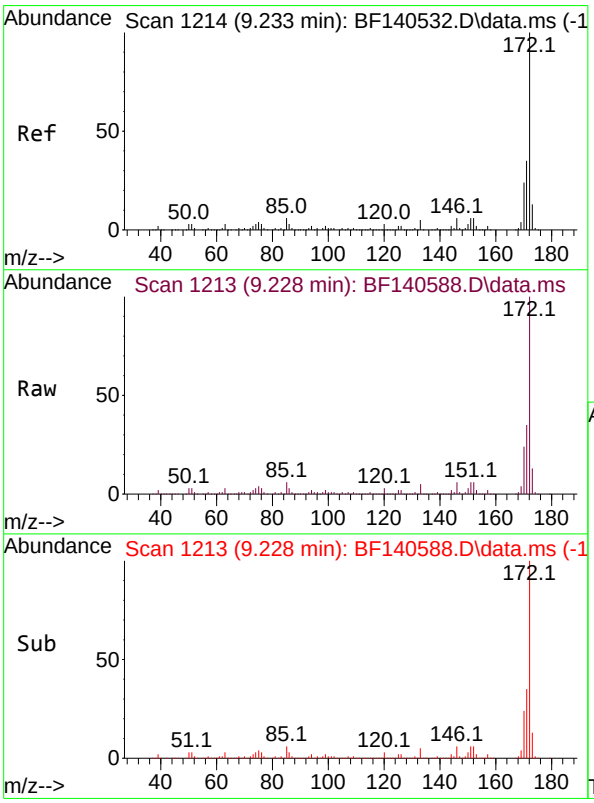
#42
2,4,6-Tribromophenol
Concen: 86.722 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140588.D
Acq: 22 Nov 2024 19:53

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Tgt Ion:330 Resp: 131171

Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.9	115.3
141	34.7	26.7	40.1

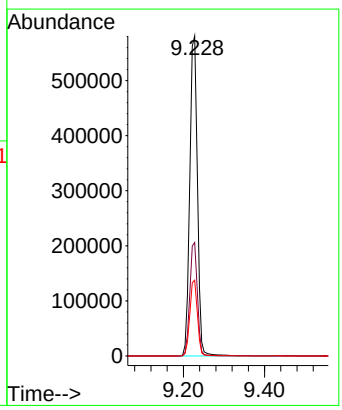


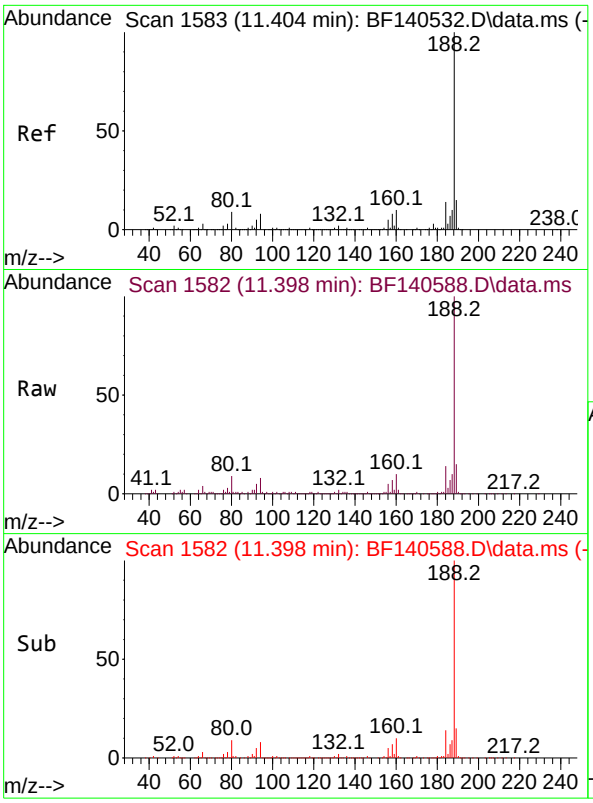


#45
2-Fluorobiphenyl
Concen: 79.914 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140588.D
Acq: 22 Nov 2024 19:53

Tgt Ion:172 Resp: 758546

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.4	42.6
170	23.7	19.0	28.6



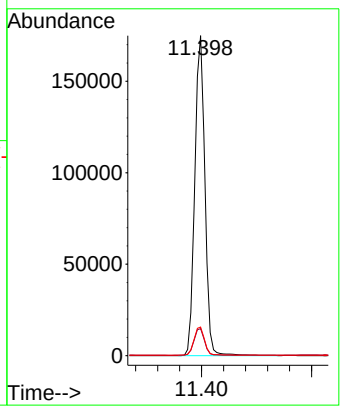


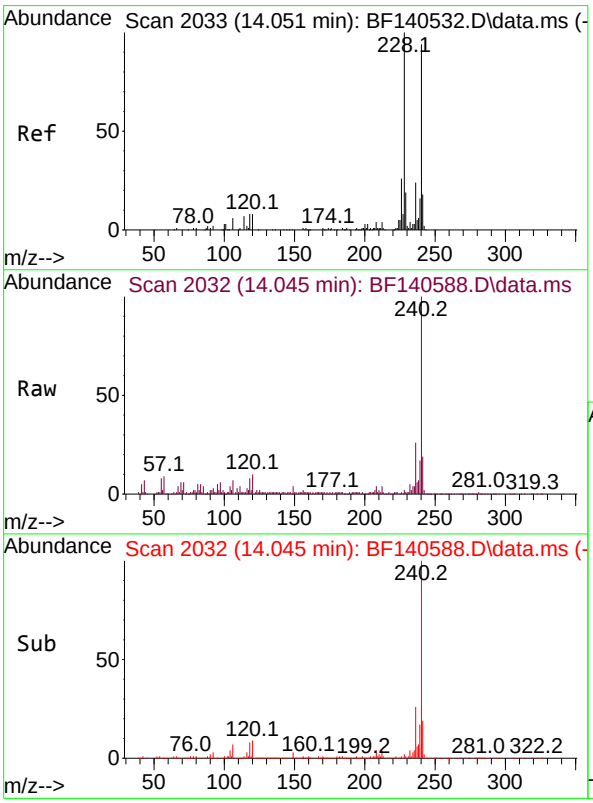
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140588.D
Acq: 22 Nov 2024 19:53

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Tgt Ion:188 Resp: 223631

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.4	9.6
80	9.0	6.9	10.3

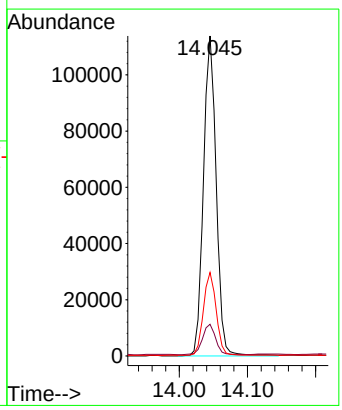


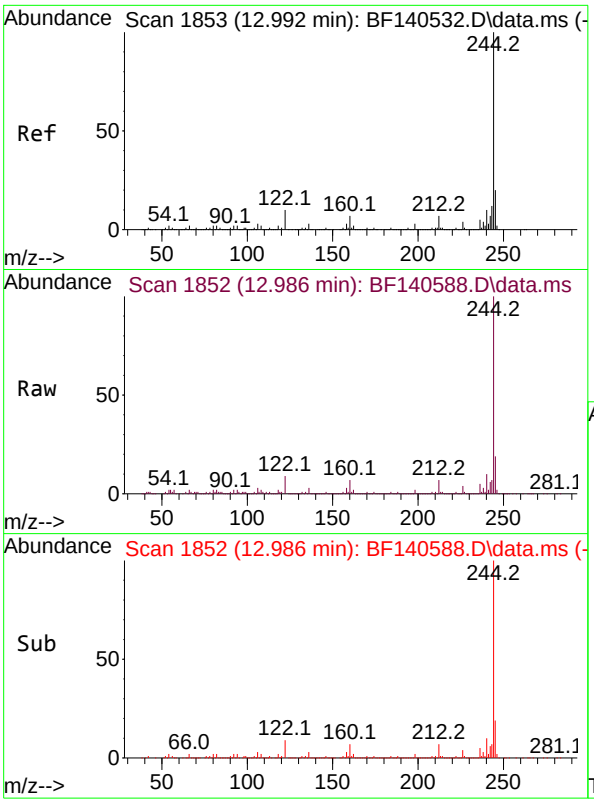


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140588.D
Acq: 22 Nov 2024 19:53

Tgt Ion:240 Resp: 148537

Ion	Ratio	Lower	Upper
240	100		
120	9.9	7.3	10.9
236	26.1	20.6	31.0



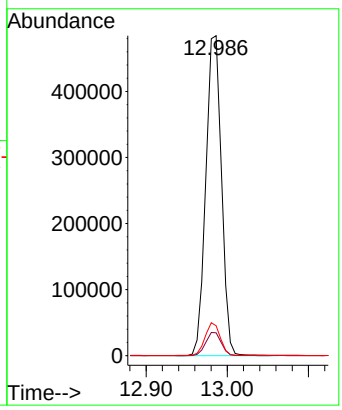


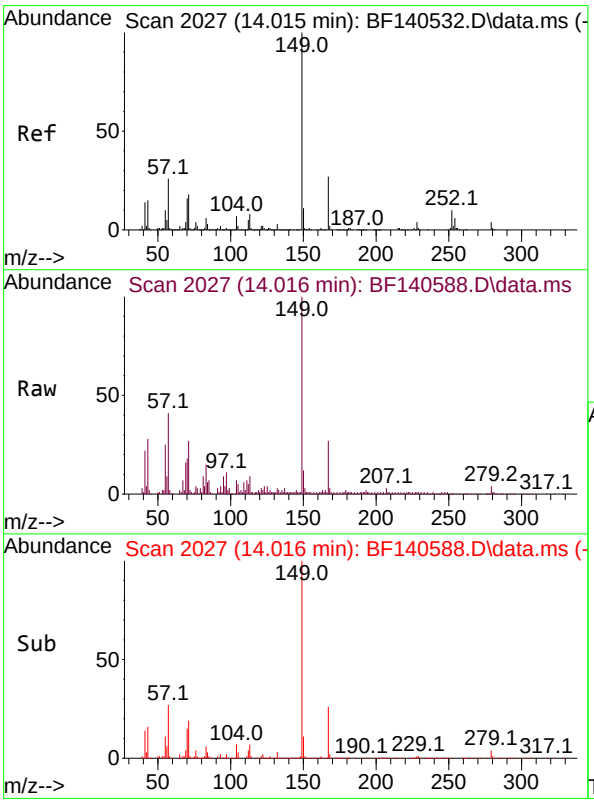
#79
Terphenyl-d14
Concen: 67.887 ng
RT: 12.986 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140588.D
Acq: 22 Nov 2024 19:53

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Tgt Ion:244 Resp: 647587

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	9.4	8.0	12.0

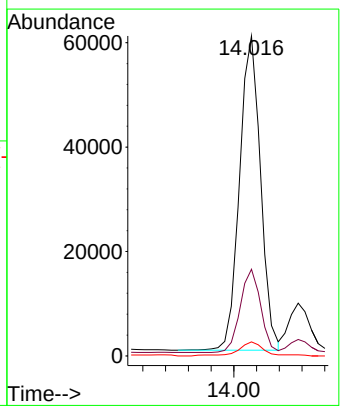


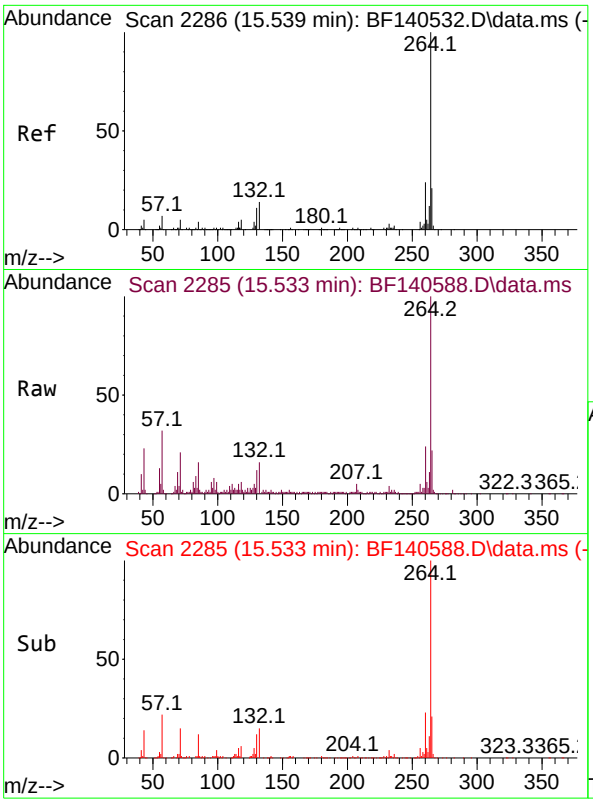


#84
Bis(2-ethylhexyl)phthalate
Concen: 12.334 ng
RT: 14.016 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF140588.D
Acq: 22 Nov 2024 19:53

Tgt Ion:149 Resp: 77057

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.2	31.8
279	4.4	3.2	4.8



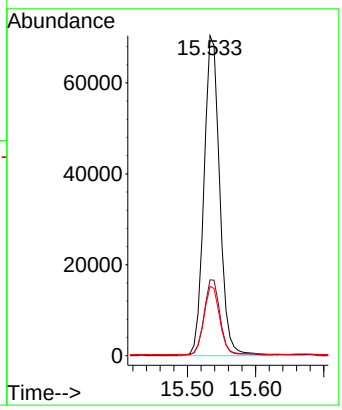


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140588.D
Acq: 22 Nov 2024 19:53

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Tgt Ion:264 Resp: 113324

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.6
265	21.7	16.6	25.0



Sample Results: **BF140588.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

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-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140588.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.134	3	7	17	rVB	686273	1055284	48.76%	4.054%
2	5.093	505	510	520	rVB	31254	48727	2.25%	0.187%
3	5.181	520	525	530	rBV	19257	25429	1.17%	0.098%
4	5.357	550	555	560	rBV	71173	89794	4.15%	0.345%
5	5.498	574	579	594	rVB	1399798	1898570	87.72%	7.294%
6	5.722	613	617	623	rVB	18632	25191	1.16%	0.097%
7	6.040	662	671	675	rBV	13403	22075	1.02%	0.085%
8	6.122	679	685	692	rBV5	9988	22532	1.04%	0.087%
9	6.334	711	721	723	rBV	18694	40559	1.87%	0.156%
10	6.398	729	732	735	rBV	29128	33539	1.55%	0.129%
11	6.510	745	751	756	rVV	1426685	1907531	88.13%	7.328%
12	6.551	756	758	764	rVB2	26622	37511	1.73%	0.144%
13	6.698	778	783	791	rVB2	88514	123421	5.70%	0.474%
14	6.810	795	802	807	rBV2	18813	36458	1.68%	0.140%
15	6.869	807	812	818	rBV	452764	587590	27.15%	2.257%
16	6.928	818	822	828	rVB2	33177	52456	2.42%	0.202%
17	6.987	828	832	834	rBV2	18860	25488	1.18%	0.098%
18	7.116	847	854	856	rBV	37547	55393	2.56%	0.213%
19	7.139	856	858	861	rVV	44636	51190	2.37%	0.197%
20	7.187	861	866	873	rVB2	54619	108994	5.04%	0.419%
21	7.257	873	878	882	rBV2	23169	38596	1.78%	0.148%
22	7.434	903	908	917	rVB	940269	1289460	59.58%	4.954%
23	7.551	925	928	935	rBV4	12402	23447	1.08%	0.090%
24	7.610	935	938	941	rBV	24841	35632	1.65%	0.137%
25	7.663	944	947	956	rVB2	39348	71417	3.30%	0.274%
26	7.769	958	965	967	rBV4	13315	28119	1.30%	0.108%
27	7.822	972	974	978	rVB2	18658	23368	1.08%	0.090%
28	7.887	978	985	989	rBV3	42870	73823	3.41%	0.284%
29	8.151	1022	1030	1037	rBV	490962	705534	32.60%	2.711%
30	8.234	1042	1044	1052	rVB4	15561	23907	1.10%	0.092%
31	8.563	1097	1100	1107	rVB	22356	27263	1.26%	0.105%
32	8.734	1125	1129	1134	rVB	32815	39655	1.83%	0.152%
33	8.863	1148	1151	1158	rVB2	37263	49169	2.27%	0.189%
34	8.963	1164	1168	1174	rVB	21231	28317	1.31%	0.109%
35	9.163	1199	1202	1207	rVB2	22311	28918	1.34%	0.111%
36	9.228	1207	1213	1221	rBV	1656429	2164398	100.00%	8.315%

Sample Results: **BF140588.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

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-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	9.298	1221	1225	1229	rBV	42354	57923	2.68%	0.223%
38	9.492	1254	1258	1262	rBV	18417	26740	1.24%	0.103%
39	9.563	1262	1270	1273	rBV3	31756	65789	3.04%	0.253%
40	9.616	1276	1279	1287	rVB2	36151	61362	2.84%	0.236%
41	9.828	1309	1315	1320	rBV	37166	63374	2.93%	0.243%
42	9.904	1320	1328	1342	rVB	478789	685964	31.69%	2.635%
43	10.016	1342	1347	1350	rBV3	12243	22519	1.04%	0.087%
44	10.151	1366	1370	1374	rVB3	18614	23404	1.08%	0.090%
45	10.328	1394	1400	1404	rBV2	42624	67597	3.12%	0.260%
46	10.422	1413	1416	1420	rBV	37021	45792	2.12%	0.176%
47	10.551	1434	1438	1445	rVB2	31730	58501	2.70%	0.225%
48	10.622	1445	1450	1455	rBV	100969	137638	6.36%	0.529%
49	10.698	1458	1463	1473	rVB	763394	1005123	46.44%	3.862%
50	10.816	1477	1483	1490	rBV4	99236	205213	9.48%	0.788%
51	10.875	1490	1493	1496	rBV2	23348	29712	1.37%	0.114%
52	11.092	1527	1530	1534	rBV	18436	25365	1.17%	0.097%
53	11.169	1539	1543	1547	rVB	47176	62687	2.90%	0.241%
54	11.251	1554	1557	1559	rBV	45245	55473	2.56%	0.213%
55	11.280	1559	1562	1568	rVB2	64415	91642	4.23%	0.352%
56	11.398	1577	1582	1592	rBV	422973	612268	28.29%	2.352%
57	11.680	1627	1630	1634	rVB	32028	38238	1.77%	0.147%
58	11.922	1666	1671	1679	rBV	289168	448778	20.73%	1.724%
59	12.086	1697	1699	1704	rVB	28900	31568	1.46%	0.121%
60	12.339	1738	1742	1746	rBV2	151775	197100	9.11%	0.757%
61	12.480	1763	1766	1769	rVB	41389	49744	2.30%	0.191%
62	12.616	1786	1789	1791	rBV	37662	49976	2.31%	0.192%
63	12.651	1791	1795	1800	rVV	518324	649806	30.02%	2.496%
64	12.704	1801	1804	1811	rVV2	54879	93734	4.33%	0.360%
65	12.851	1825	1829	1835	rVB2	87489	113753	5.26%	0.437%
66	12.980	1846	1851	1859	rVB	1276840	1721071	79.52%	6.612%
67	13.121	1871	1875	1880	rBV	96086	115721	5.35%	0.445%
68	13.204	1886	1889	1893	rBV	124605	147759	6.83%	0.568%
69	13.551	1944	1948	1954	rVB	193529	253581	11.72%	0.974%
70	13.845	1994	1998	2001	rBV	267997	370638	17.12%	1.424%
71	13.880	2001	2004	2017	rVB	321510	463409	21.41%	1.780%
72	14.016	2023	2027	2029	rBV	176422	227597	10.52%	0.874%
73	14.045	2029	2032	2041	rVB	310218	423942	19.59%	1.629%
74	14.174	2050	2054	2055	rBV	187409	220706	10.20%	0.848%
75	14.204	2055	2059	2064	rVB2	303234	584893	27.02%	2.247%
76	14.504	2106	2110	2116	rBV	280368	400426	18.50%	1.538%

Sample Results: **BF140588.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

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-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.815	2159	2163	2171	rVV	243007	334725	15.47%	1.286%
78	14.892	2172	2176	2184	rVB	148552	208058	9.61%	0.799%
79	15.157	2217	2221	2230	rBV	238936	341342	15.77%	1.311%
80	15.539	2281	2286	2300	rVB2	317814	563306	26.03%	2.164%
81	15.986	2358	2362	2368	rVB	118924	194460	8.98%	0.747%
82	16.239	2399	2405	2420	rBV3	511092	1311580	60.60%	5.039%
83	16.451	2434	2441	2447	rBV	756138	1480223	68.39%	5.687%
84	17.192	2563	2567	2572	rBV5	37344	62319	2.88%	0.239%
85	17.386	2594	2600	2616	rVB6	75250	264528	12.22%	1.016%
86	17.656	2639	2646	2657	rVB2	136288	363478	16.79%	1.396%

Sum of corrected areas: 26029300

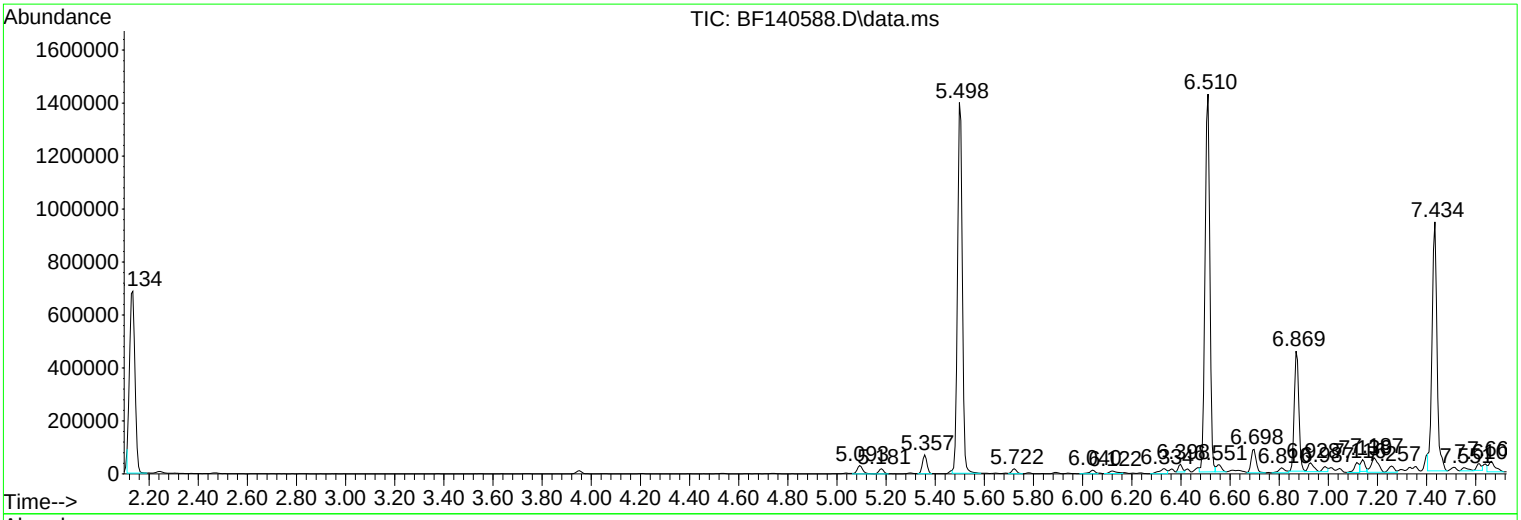
Sample Results: **BF140588.D**

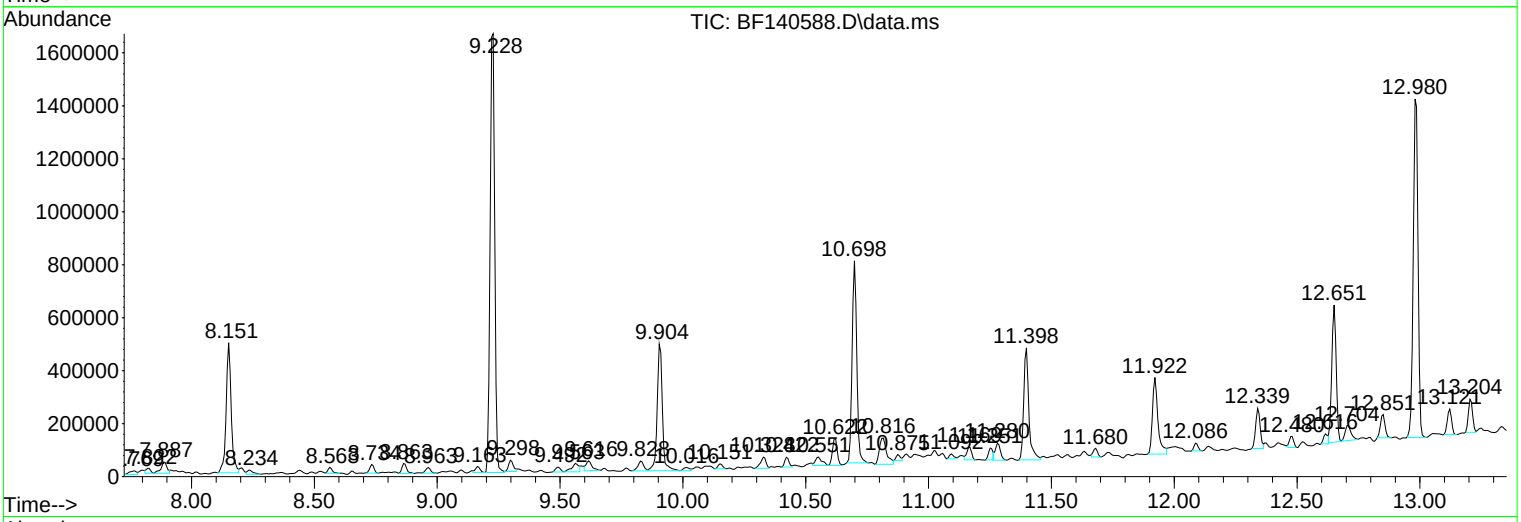
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

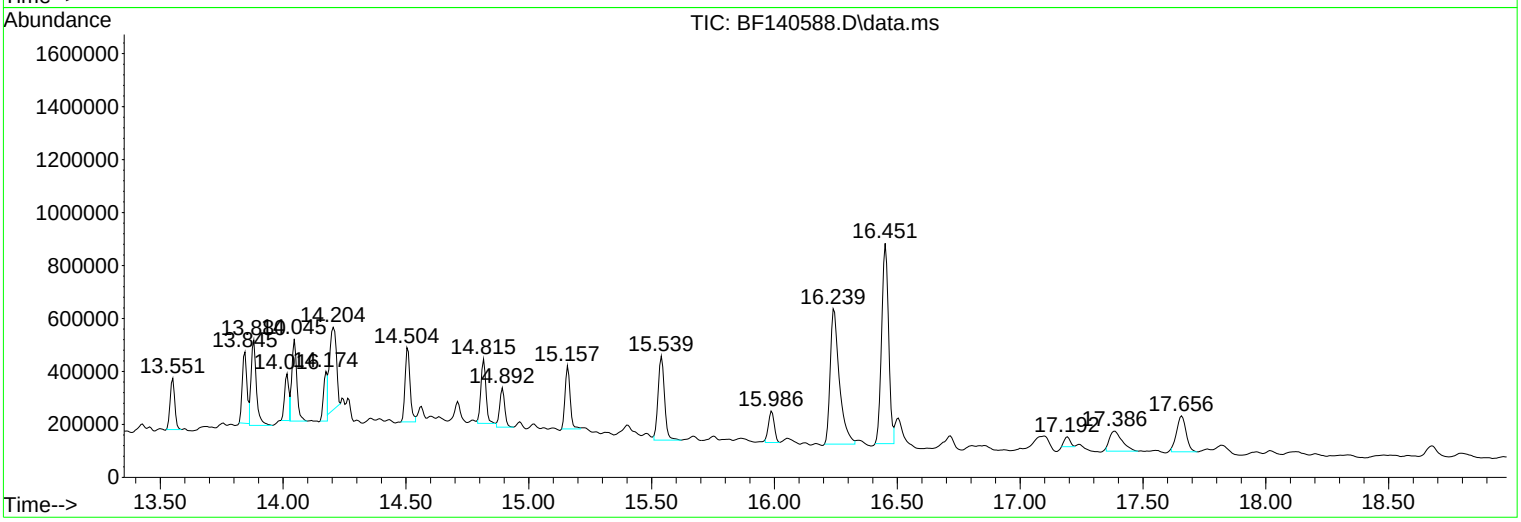
Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

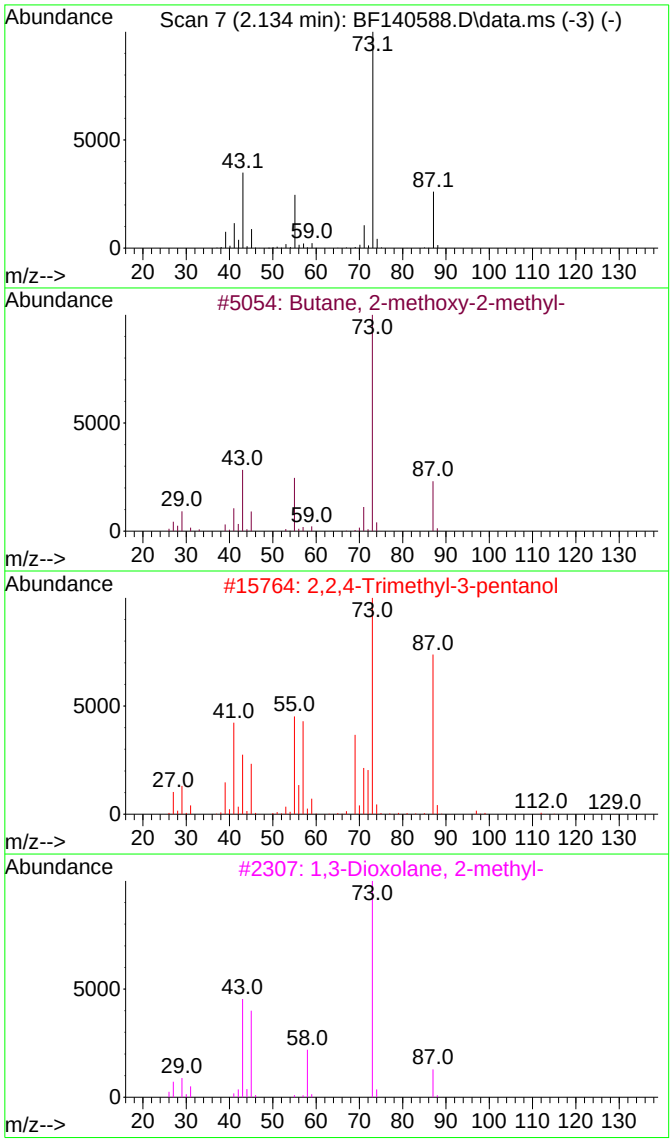
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

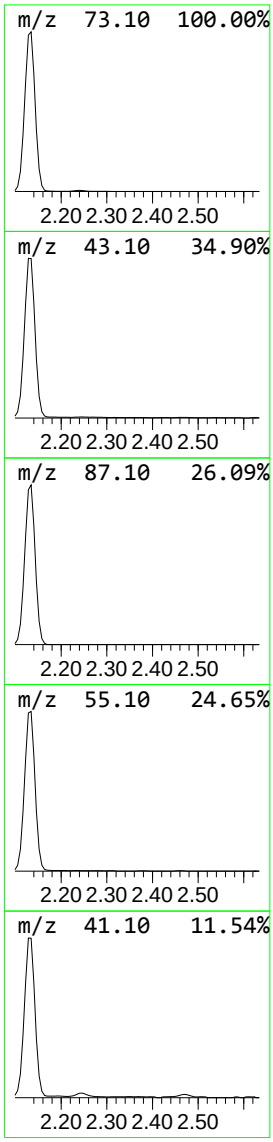
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.134	35.92 ng	1055280	1,4-Dichlorobenzene-d4	6.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

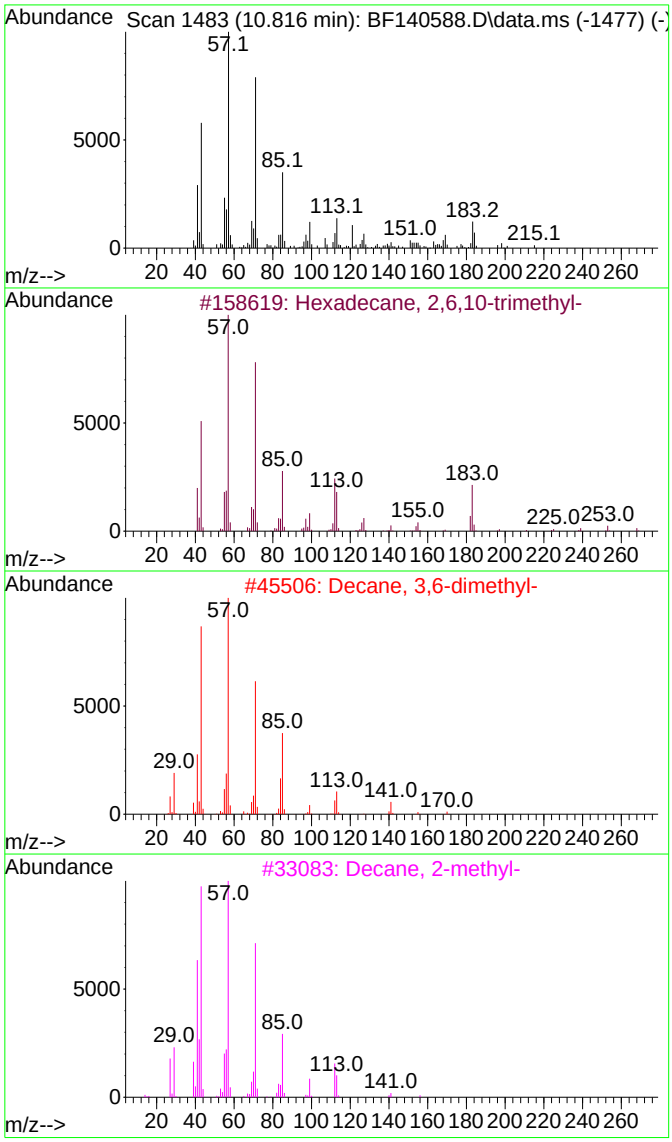
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

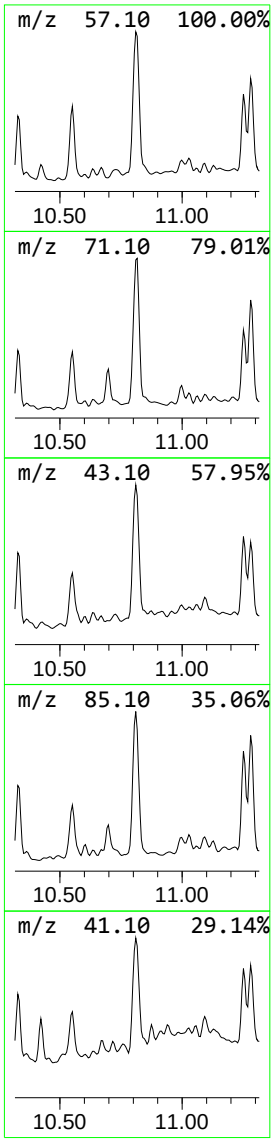
****

Peak Number 2 Hexadecane, 2,6,10-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.816	6.70 ng	205213	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	86
2	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	81
3	Decane, 2-methyl-	156	C11H24	006975-98-0	74
4	Heptacosane	380	C27H56	000593-49-7	74
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

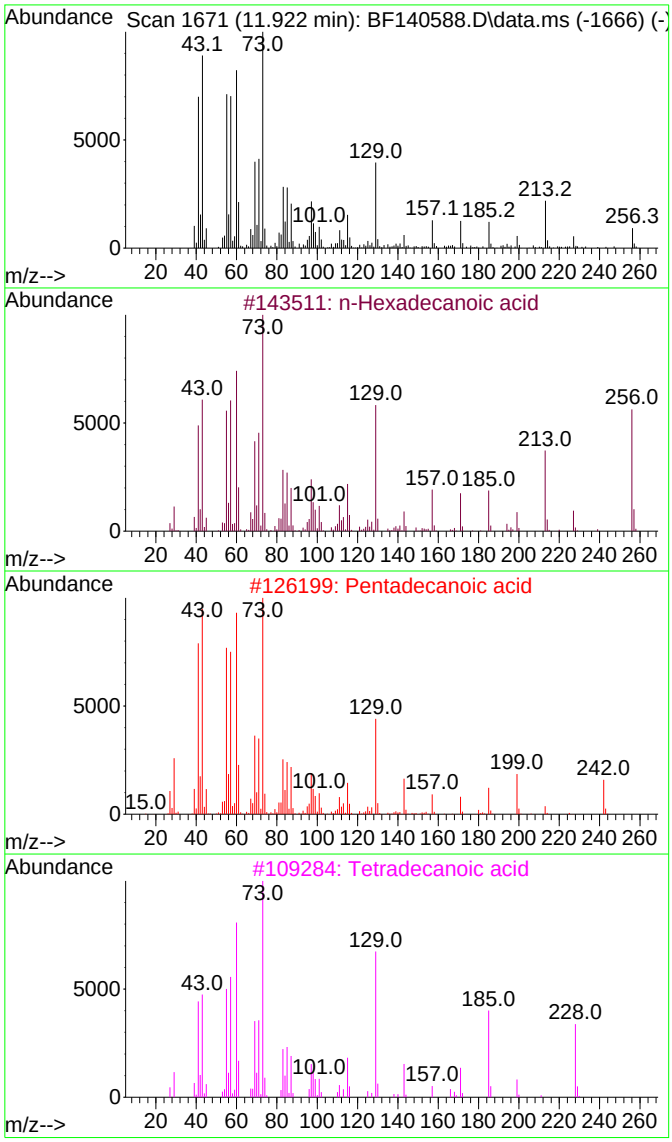
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

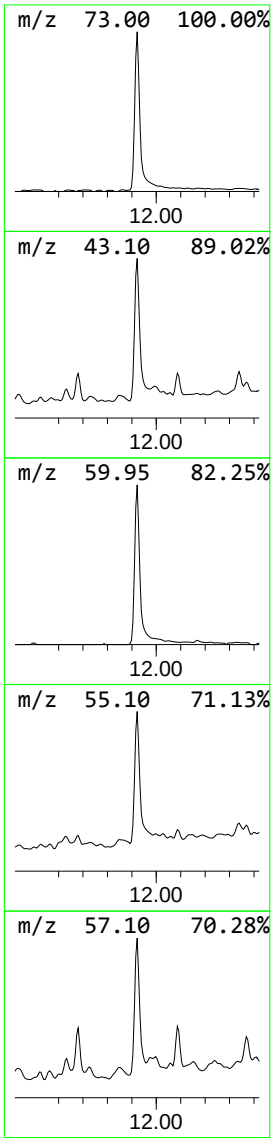
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	14.66 ng	448778	Phenanthrene-d10	11.398

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	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
4	Tridecanoic acid	214	C13H26O2	000638-53-9	86
5	n-Decanoic acid	172	C10H20O2	000334-48-5	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

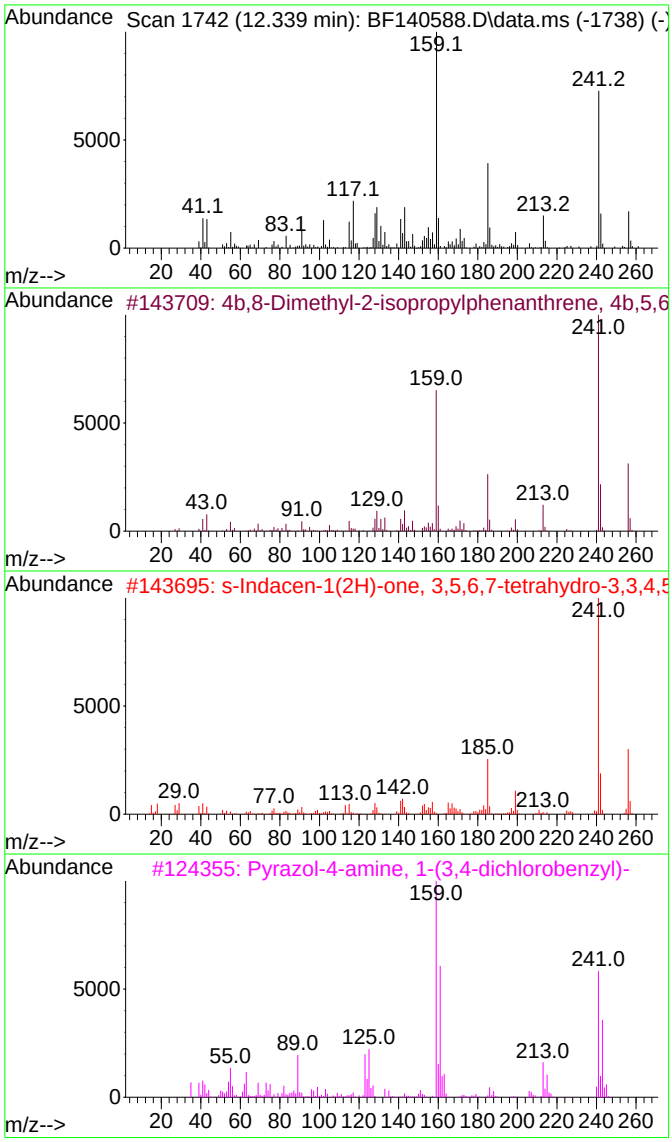
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

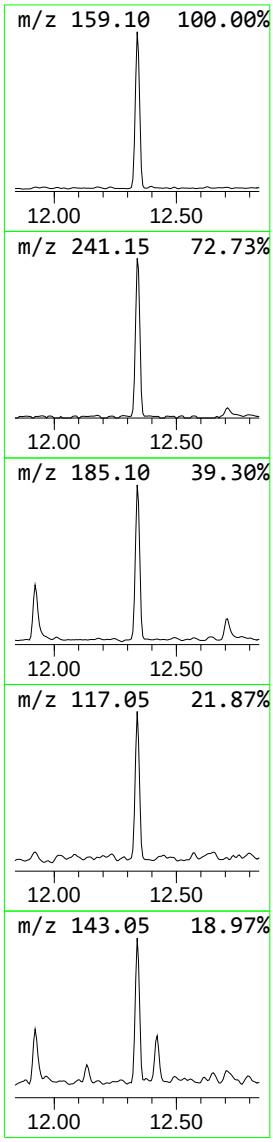
****

Peak Number 4 4b,8-Dimethyl-2-isopropylph... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.339	6.44 ng	197100	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	97
2	s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	68
3	Pyrazol-4-amine, 1-(3,4-dichloro...	241	C10H9Cl2N3	1000273-77-4	52
4	Isoxazole, 5-methyl-4-phenyl-	159	C10H9NO	023253-49-8	38
5	2-(4-(2-Methylallyl)phenyl)propa...	203	C13H17NO	1000466-10-0	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

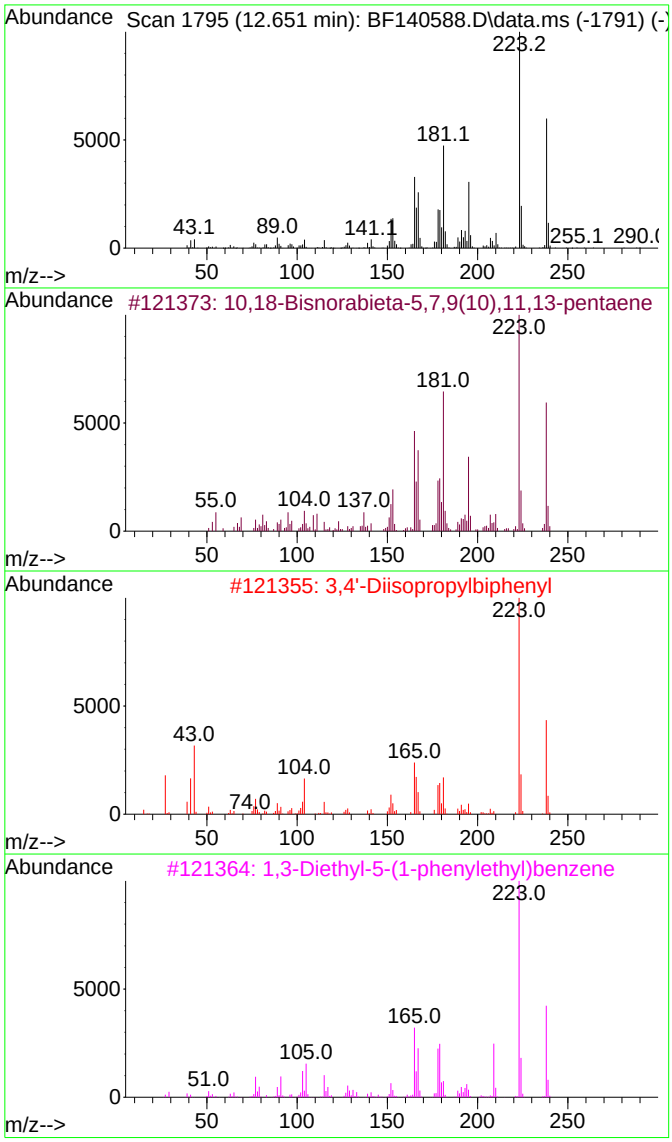
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

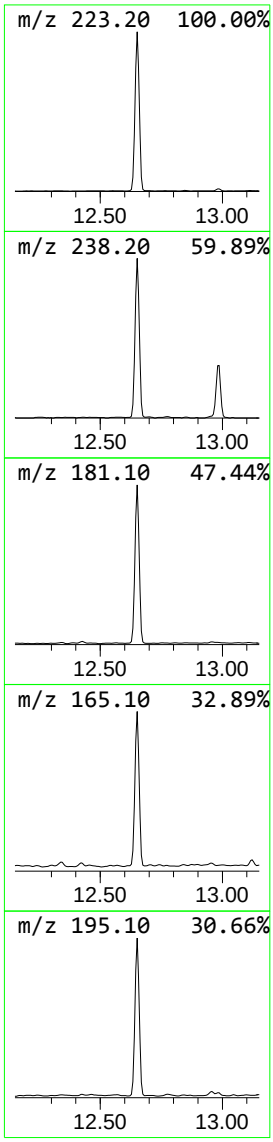
****

Peak Number 5 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.651	21.23 ng	649806	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	89
3	1,3-Diethyl-5-(1-phenylethyl)ben...	238	C18H22	1000482-32-6	76
4	Anthracene, 1,4-dimethoxy-	238	C16H14O2	013076-29-4	62
5	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

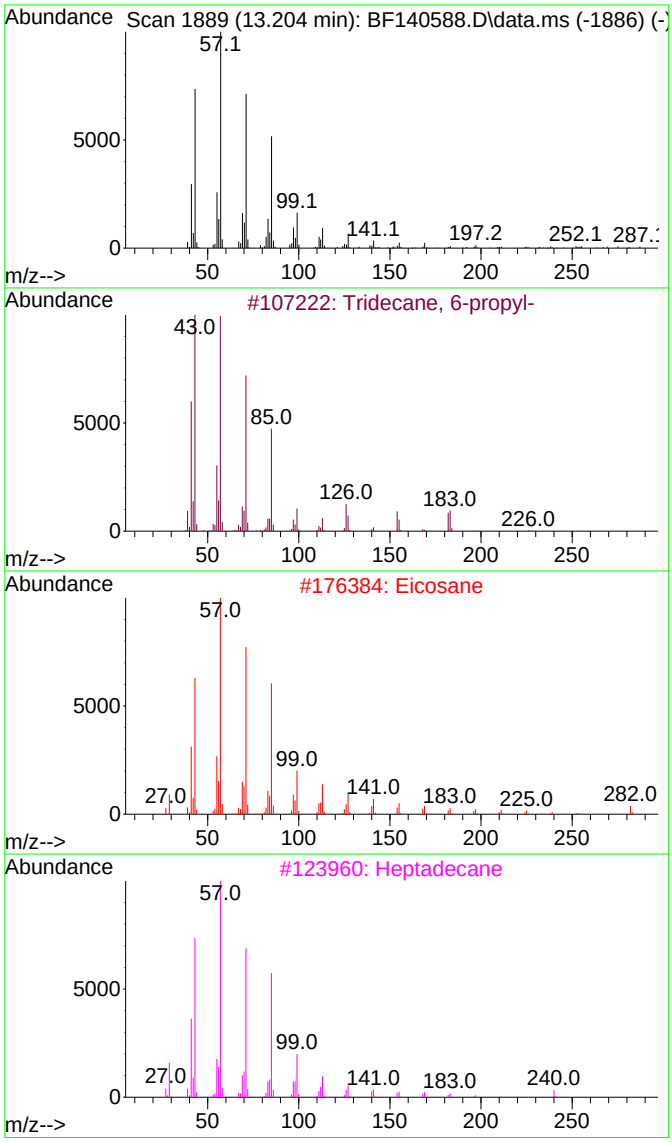
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

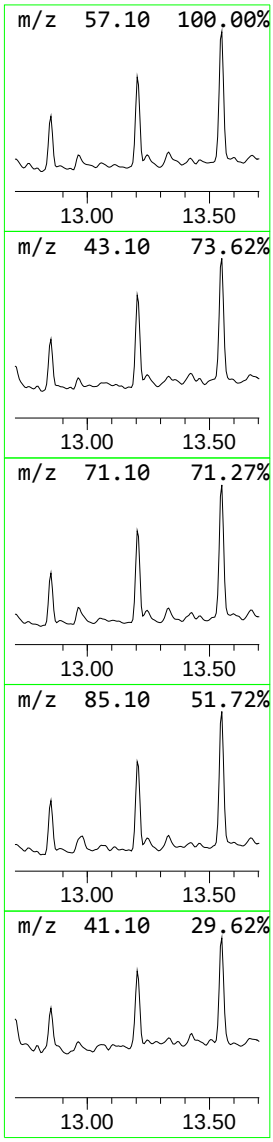
****

Peak Number 6 Tridecane, 6-propyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.204	6.97 ng	147759	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-propyl-	226	C16H34	055045-10-8	91
2	Eicosane	282	C20H42	000112-95-8	91
3	Heptadecane	240	C17H36	000629-78-7	91
4	Octadecane	254	C18H38	000593-45-3	91
5	Octacosane	394	C28H58	000630-02-4	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

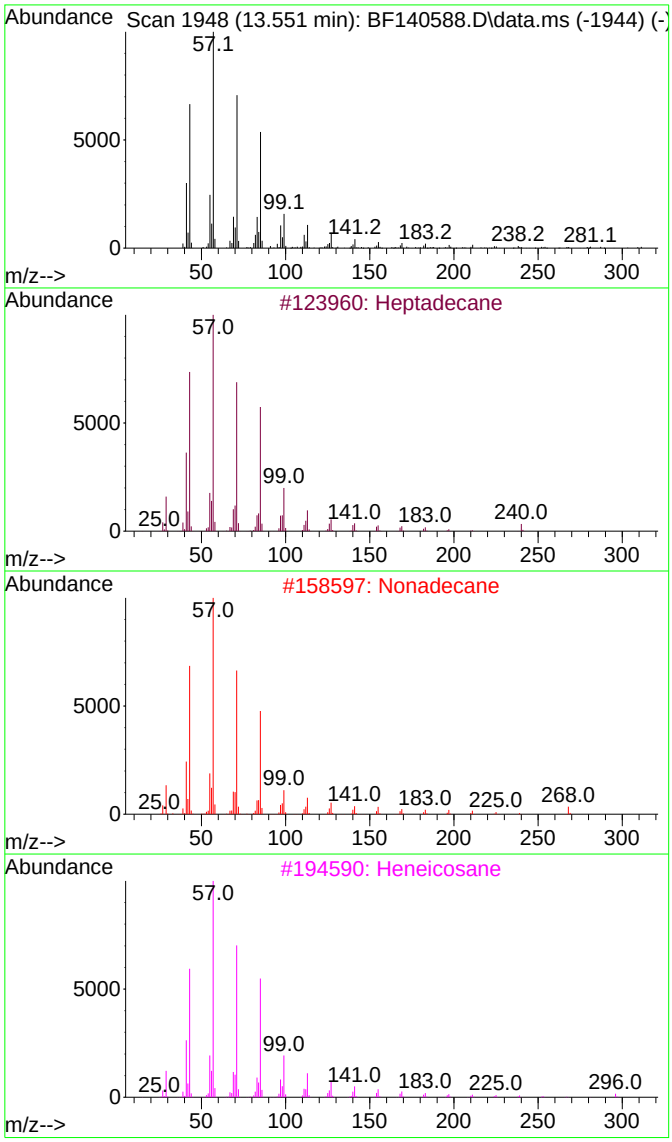
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

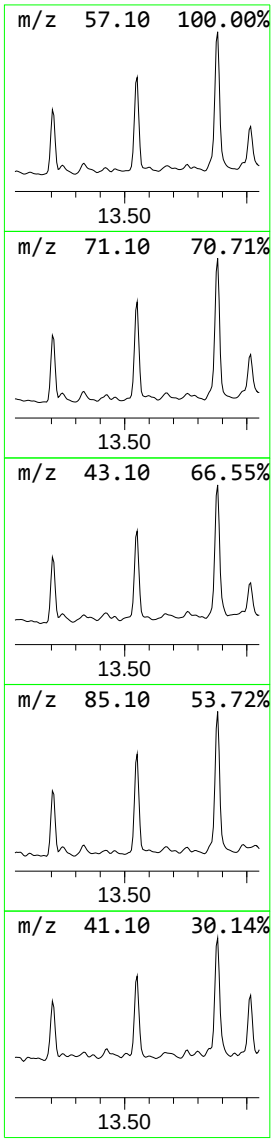
****

Peak Number 7 Heptadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.551	11.96 ng	253581	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	97
2	Nonadecane	268	C19H40	000629-92-5	94
3	Heneicosane	296	C21H44	000629-94-7	91
4	Hexacosane	366	C26H54	000630-01-3	91
5	Docosane, 1-iodo-	436	C22H45I	1000406-31-9	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

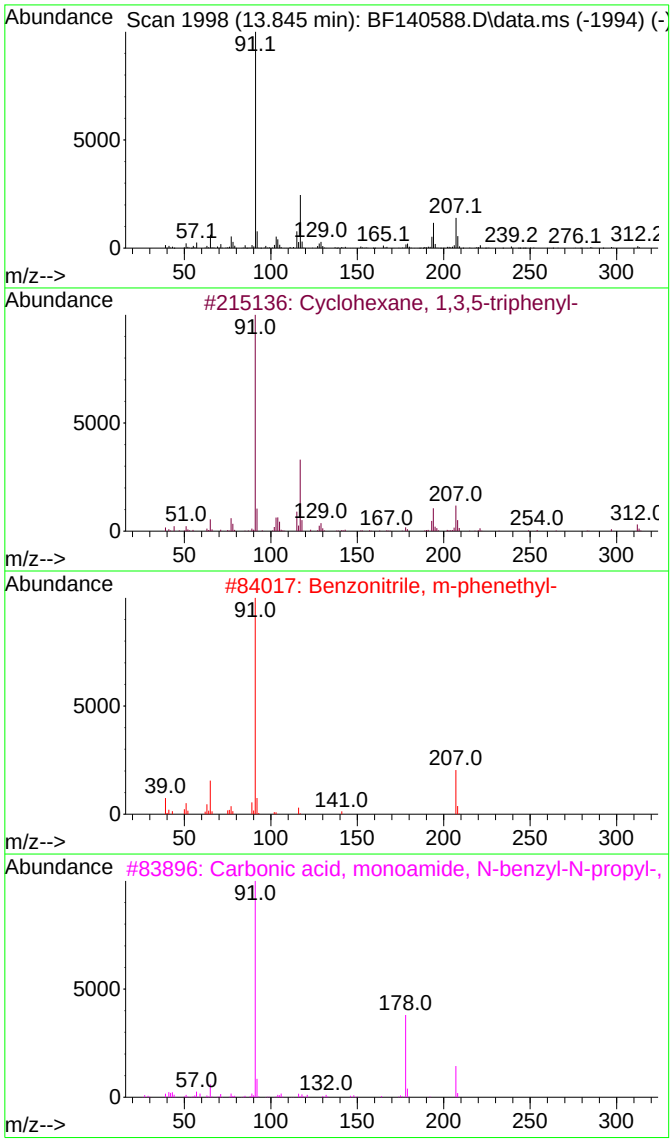
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

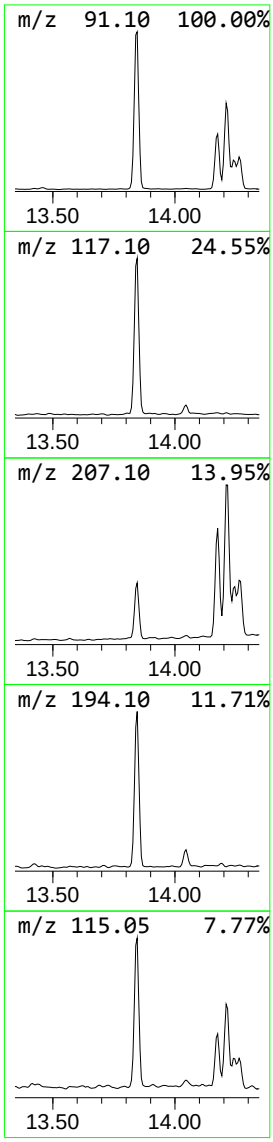
****

Peak Number 8 Cyclohexane, 1,3,5-triphenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.845	17.49 ng	370638	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-triphenyl-	312	C24H24	028336-57-4	83
2	Benzonitrile, m-phenethyl-	207	C15H13N	034176-91-5	25
3	Carbonic acid, monoamide, N-benz...	207	C12H17NO2	1000451-48-5	16
4	(R)-(1-Cyclopentylpropane-1,3-di...	264	C20H24	1402851-74-4	16
5	Isoxazole, 5-chloro-4-(2-phenyle...	207	C11H10ClNO	1000362-09-0	16





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

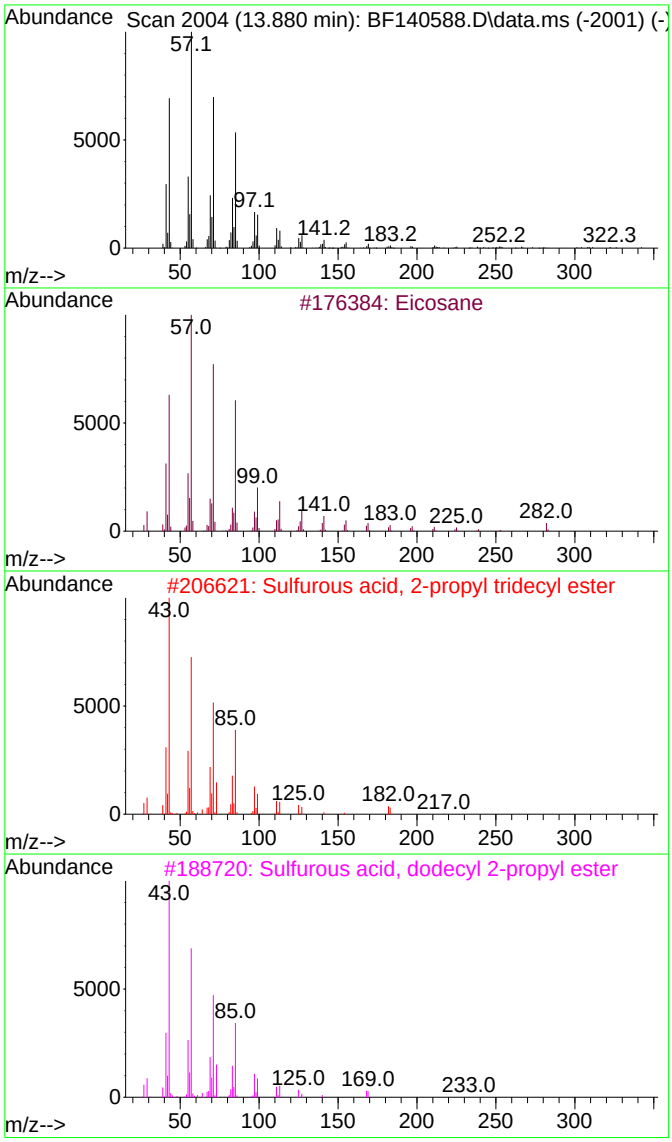
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

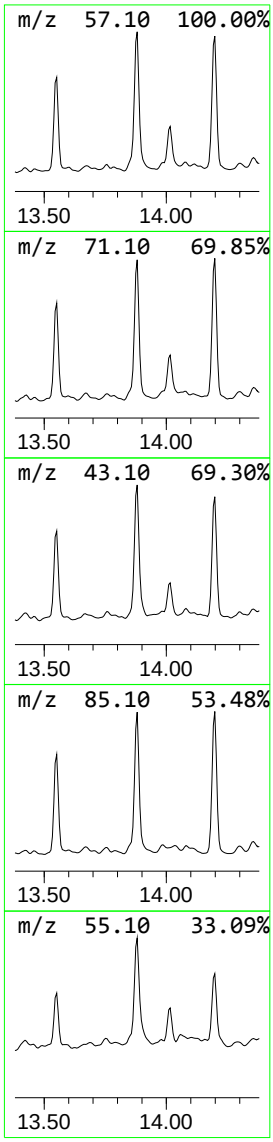
****

Peak Number 9 Eicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.880	21.86 ng	463409	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	97
2	Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	91
3	Sulfurous acid, dodecyl 2-propyl...	292	C15H32O3S	1000309-12-3	91
4	Hexacosane	366	C26H54	000630-01-3	87
5	Carbonic acid, tetradecyl vinyl ...	284	C17H32O3	1000382-54-5	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

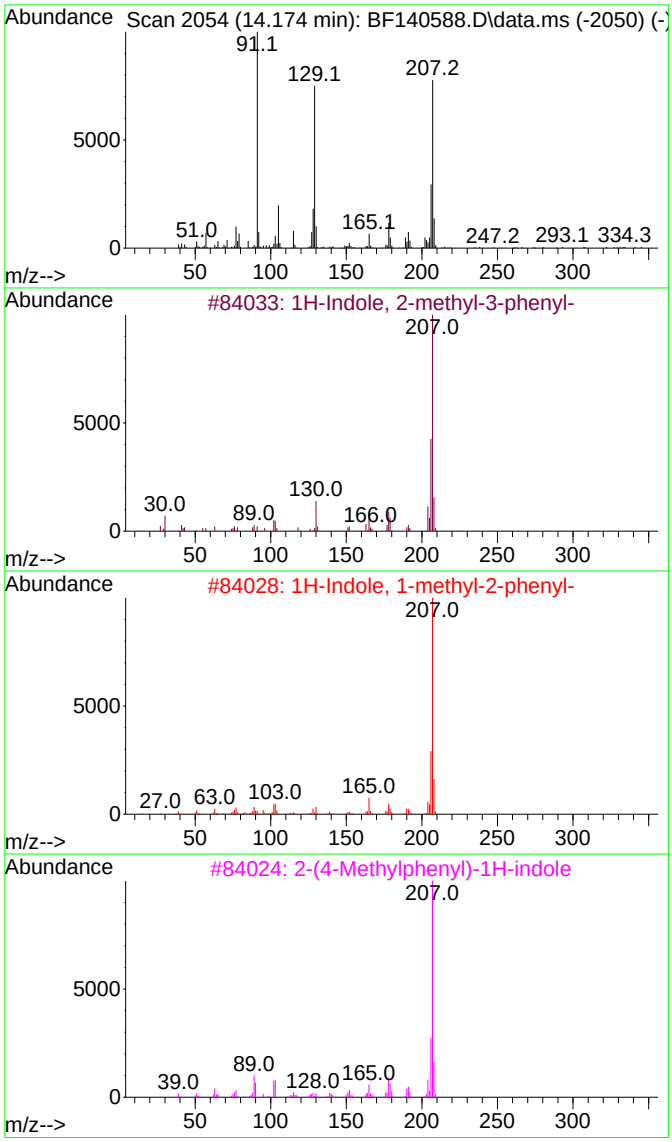
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

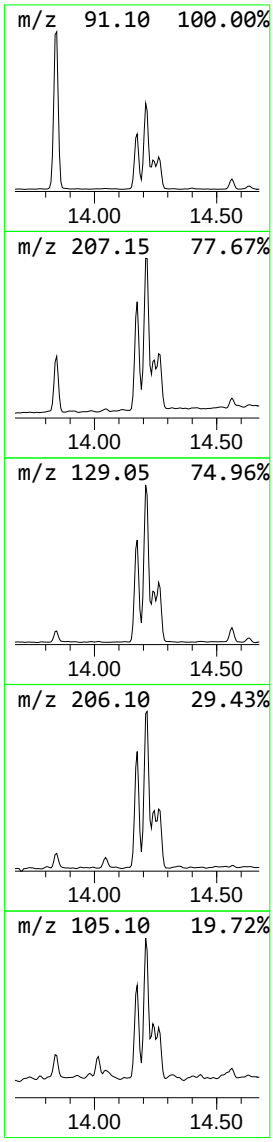
****

Peak Number 10 1H-Indole, 2-methyl-3-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.174	10.41 ng	220706	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indole, 2-methyl-3-phenyl-	207	C15H13N	004757-69-1	50
2	1H-Indole, 1-methyl-2-phenyl-	207	C15H13N	003558-24-5	46
3	2-(4-Methylphenyl)-1H-indole	207	C15H13N	055577-25-8	46
4	7-Methyl -2-phenyl-1H-indole	207	C15H13N	059541-82-1	43
5	5-Methyl-2-phenylindolizine	207	C15H13N	036944-99-7	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

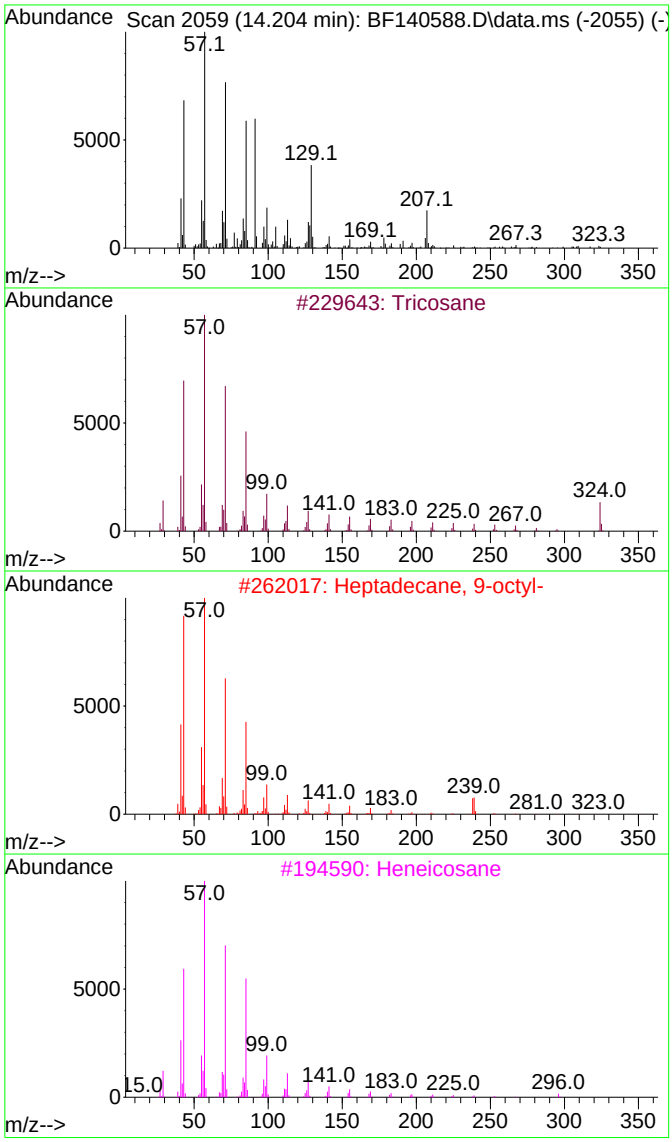
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

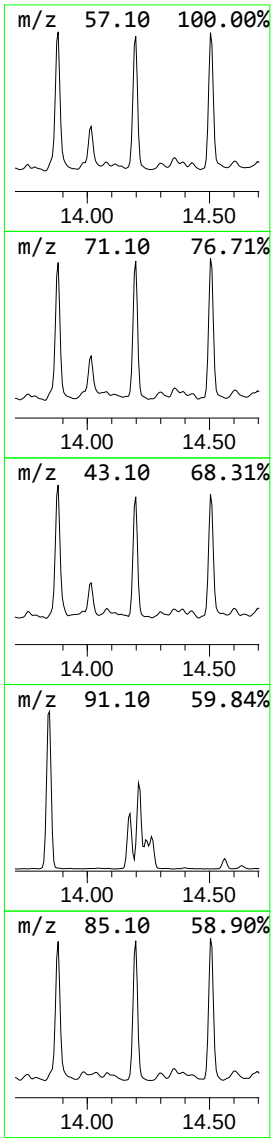
****

Peak Number 11 Tricosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.204	27.59 ng	584893	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricosane	324	C23H48	000638-67-5	91
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	70
3	Heneicosane	296	C21H44	000629-94-7	70
4	Hexacosane	366	C26H54	000630-01-3	64
5	Eicosane, 1-iodo-	408	C20H41I	1000406-31-8	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

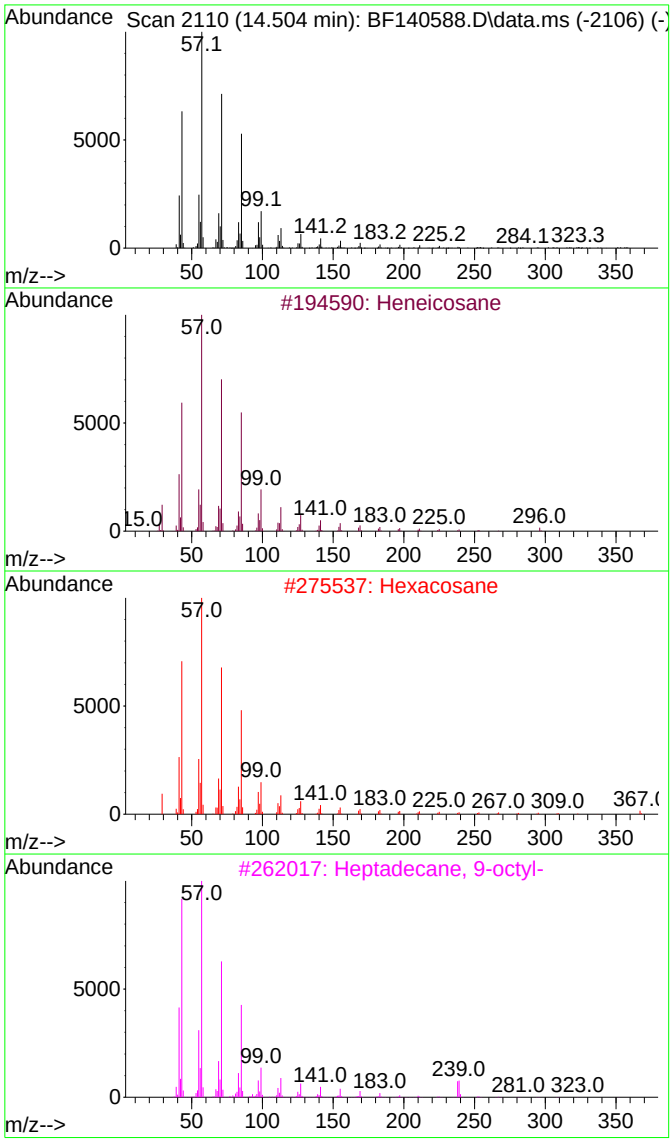
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

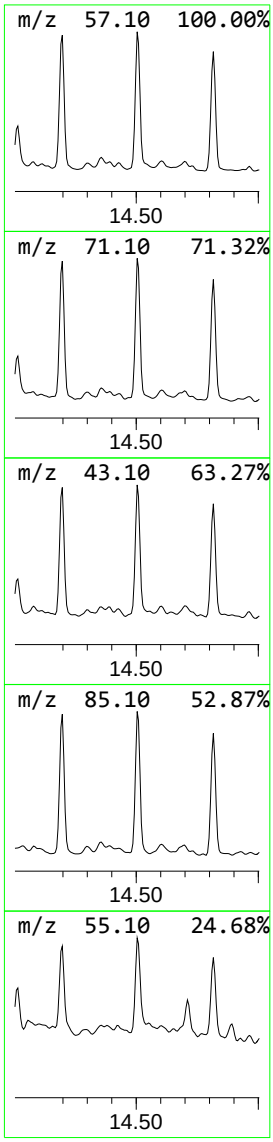
****

Peak Number 12 Heneicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.504	18.89 ng	400426	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Hexacosane	366	C26H54	000630-01-3	91
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
4	Octacosane	394	C28H58	000630-02-4	91
5	Docosane, 11-butyl-	366	C26H54	013475-76-8	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

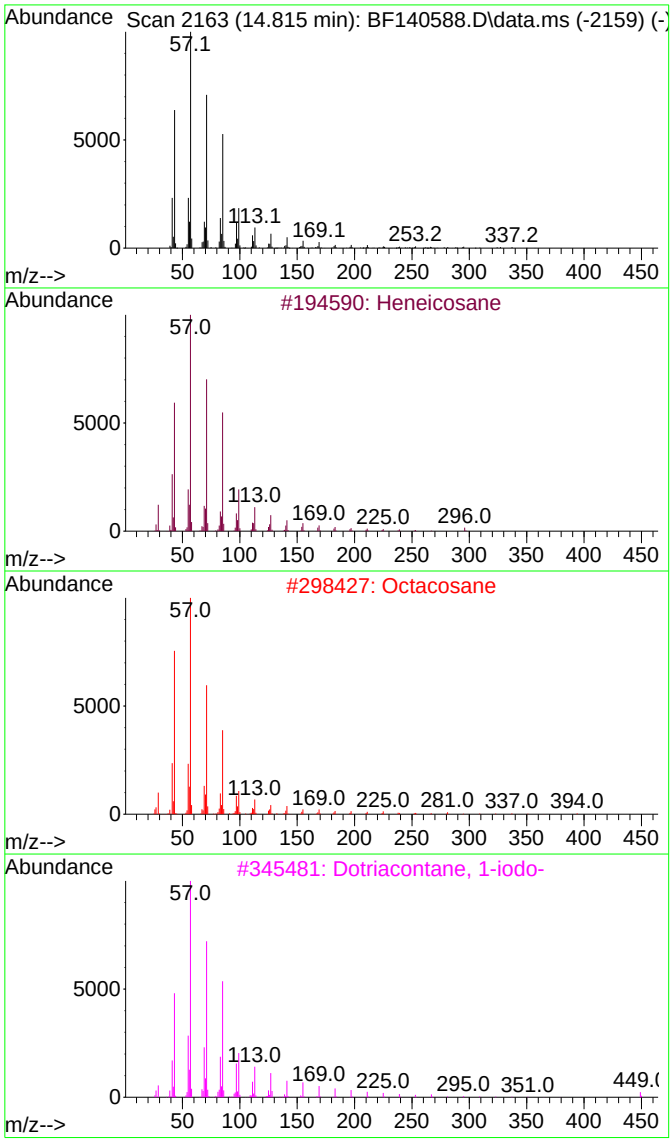
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

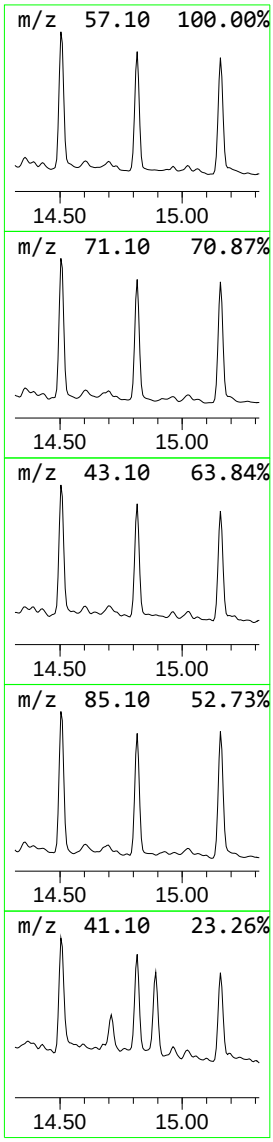
****

Peak Number 13 Octacosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.816	11.88 ng	334725	Perylene-d12	15.533

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Octacosane	394	C28H58	000630-02-4	91
3	Dotriacontane, 1-iodo-	576	C32H65I	1000406-32-4	91
4	Octacosane, 2-methyl-	408	C29H60	001560-98-1	91
5	Hexacosane	366	C26H54	000630-01-3	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

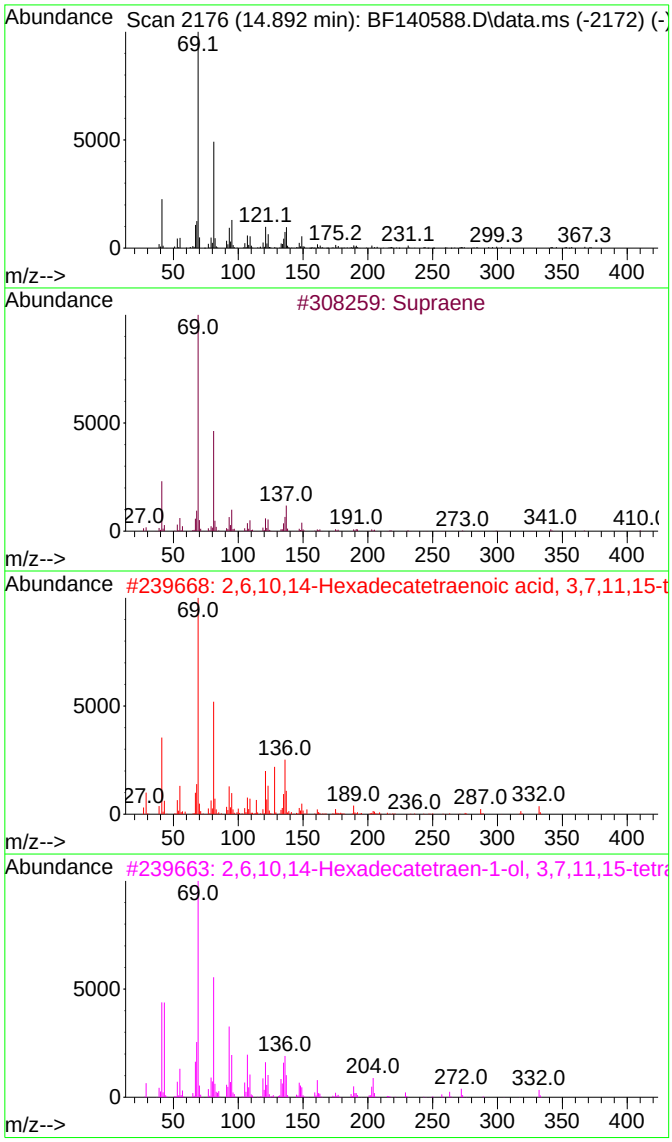
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

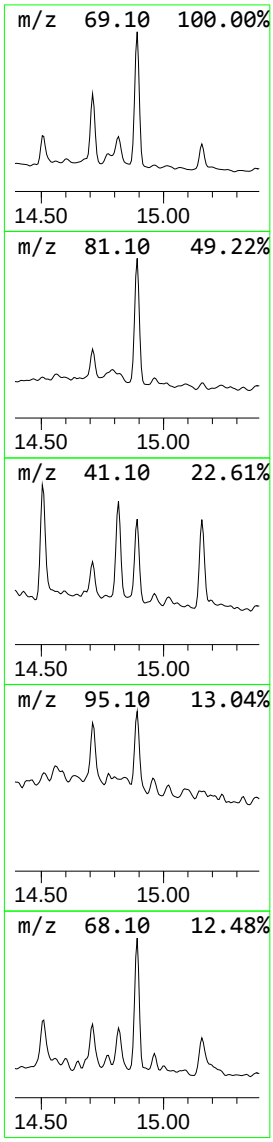
****

Peak Number 14 Supraene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.892	7.39 ng	208058	Perylene-d12	15.533

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Supraene	410	C30H50	007683-64-9	91
2	2,6,10,14-Hexadecatetraenoic aci...	332	C22H36O2	024035-35-6	78
3	2,6,10,14-Hexadecatetraen-1-ol, ...	332	C22H36O2	061691-98-3	72
4	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	72
5	2,6,10-Dodecatrien-1-ol, 3,7,11-...	222	C15H26O	004602-84-0	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

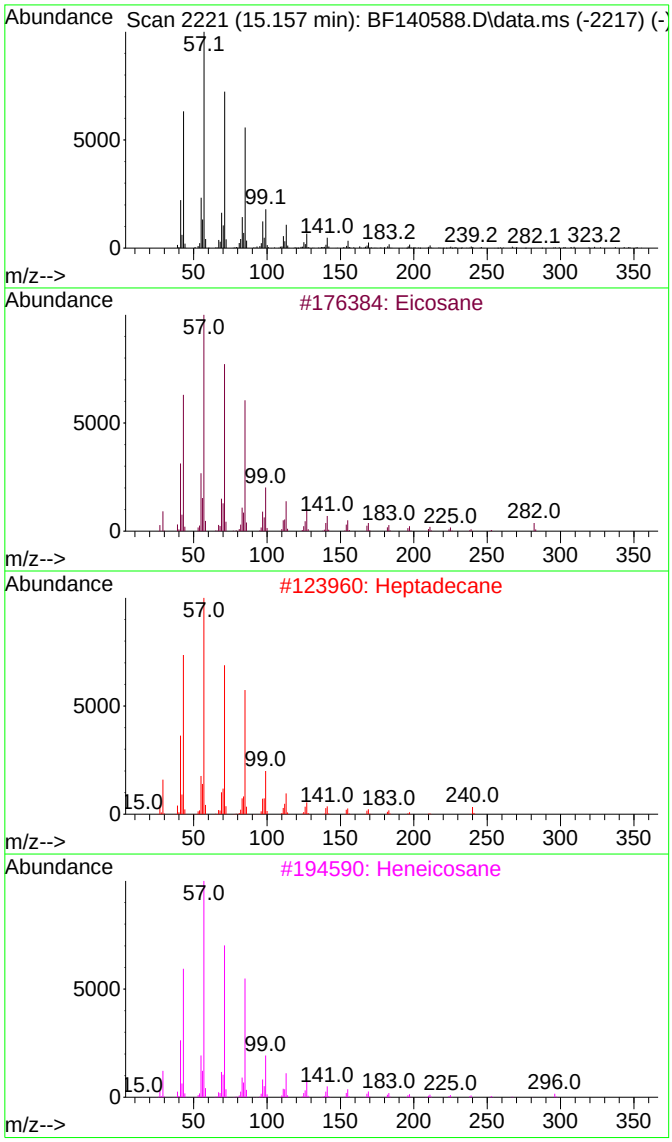
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

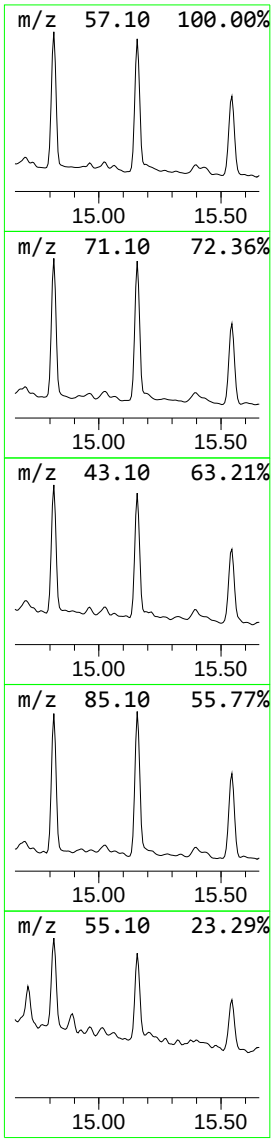
****

Peak Number 15 Heneicosane, 11-(1-ethylpro... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.157	12.12 ng	341342	Perylene-d12	15.533

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	94
2	Heptadecane	240	C17H36	000629-78-7	94
3	Heneicosane	296	C21H44	000629-94-7	91
4	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	91
5	Heptacosane	380	C27H56	000593-49-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

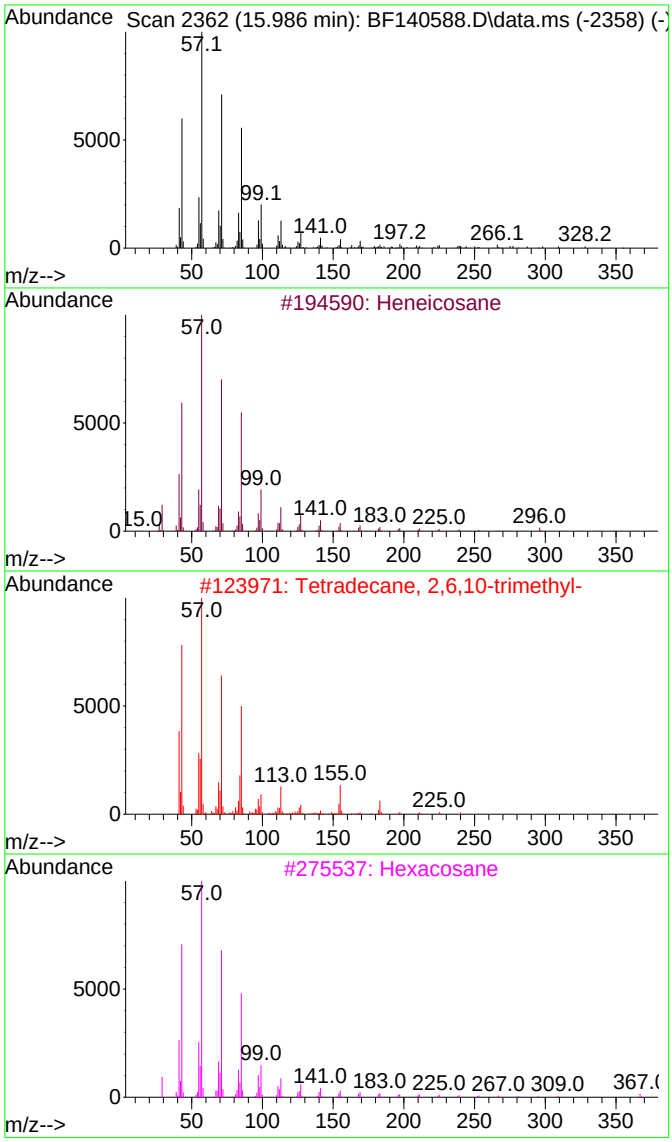
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

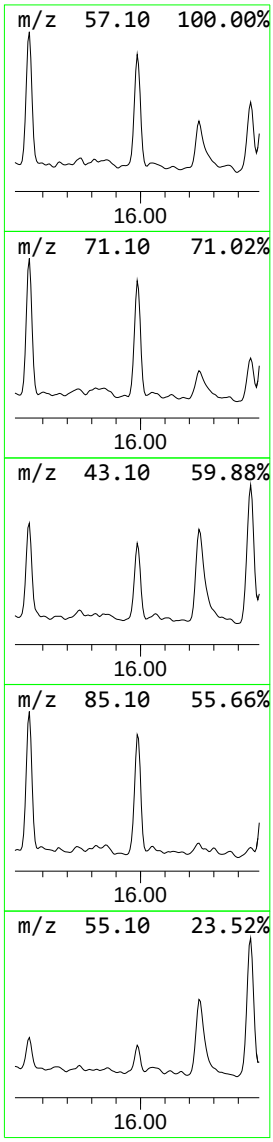
****

Peak Number 16 Tetradecane, 2,6,10-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.986	6.90 ng	194460	Perylene-d12	15.533

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	90
2	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	90
3	Hexacosane	366	C26H54	000630-01-3	87
4	Eicosane, 1-iodo-	408	C20H41I	1000406-31-8	87
5	Docosane, 1-iodo-	436	C22H45I	1000406-31-9	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

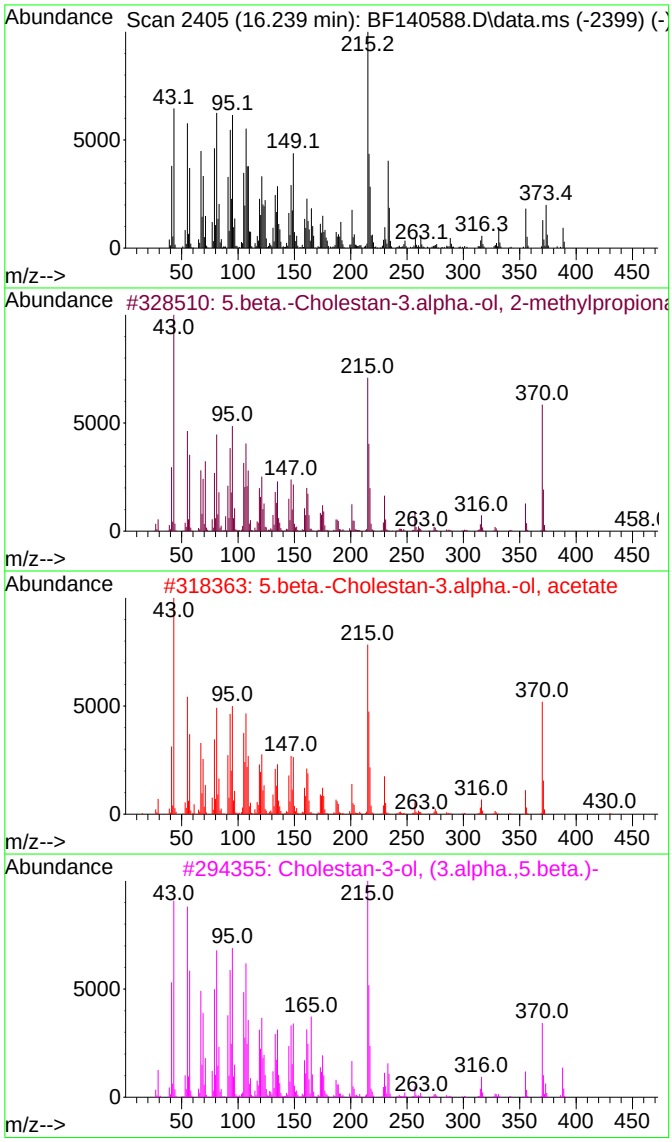
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

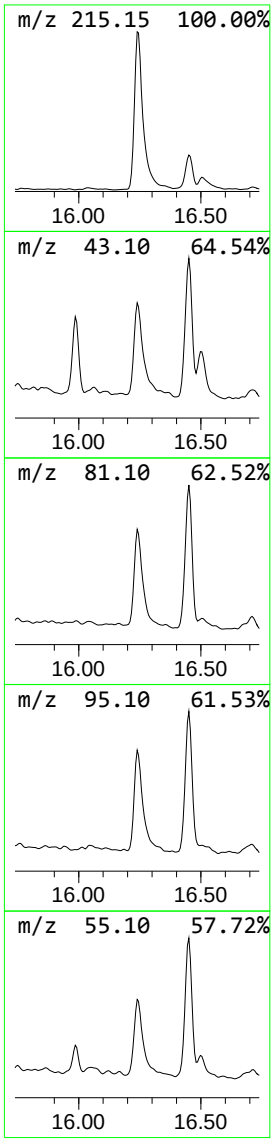
****

Peak Number 17 5.beta.-Cholestan-3.alpha.-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.239	46.57 ng	1311580	Perylene-d12	15.533

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5.beta.-Cholestan-3.alpha.-ol, 2...	458	C31H54O2	1000514-95-7	70
2	5.beta.-Cholestan-3.alpha.-ol, a...	430	C29H50O2	033157-47-0	58
3	Cholestan-3-ol, (3.alpha.,5.beta.)-	388	C27H48O	000516-92-7	53
4	Cholestan-3-ol	388	C27H48O	027409-41-2	47
5	Cholestanol	388	C27H48O	000080-97-7	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

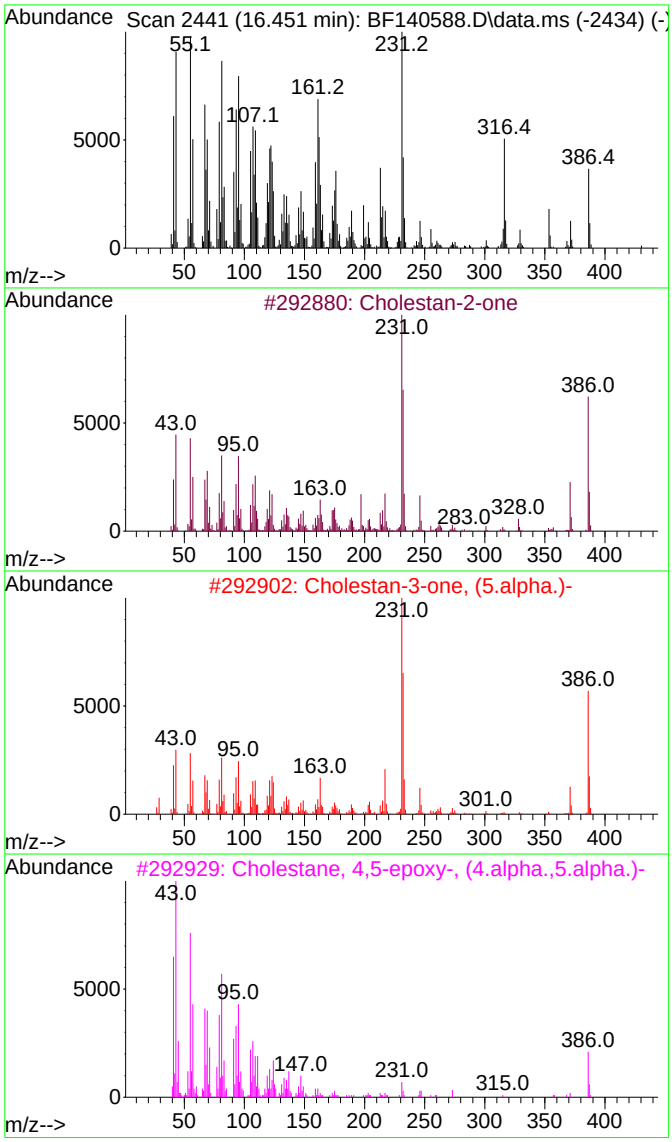
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

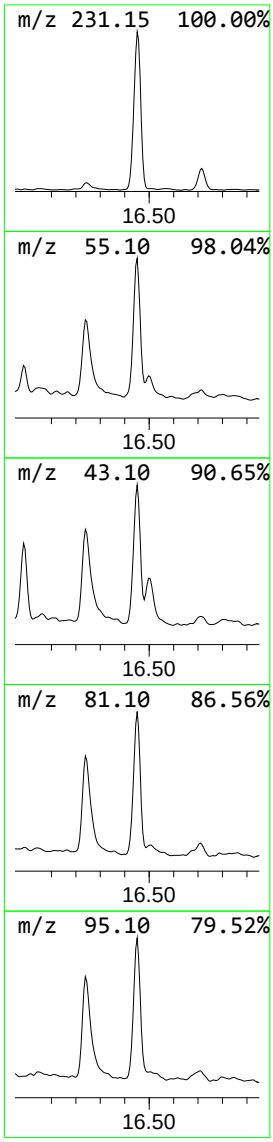
****

Peak Number 18 Cholestan-2-one Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.451	52.55 ng	1480220	Perylene-d12	15.533

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholestan-2-one	386	C27H46O	1010210-43-4	95
2	Cholestan-3-one, (5.alpha.)-	386	C27H46O	000566-88-1	59
3	Cholestane, 4,5-epoxy-, (4.alpha...	386	C27H46O	006079-19-2	53
4	Cholestan-3-one	386	C27H46O	015600-08-5	51
5	5.beta.-Cholan-24-oic acid, 3-oxo-	374	C24H38O3	001553-56-6	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

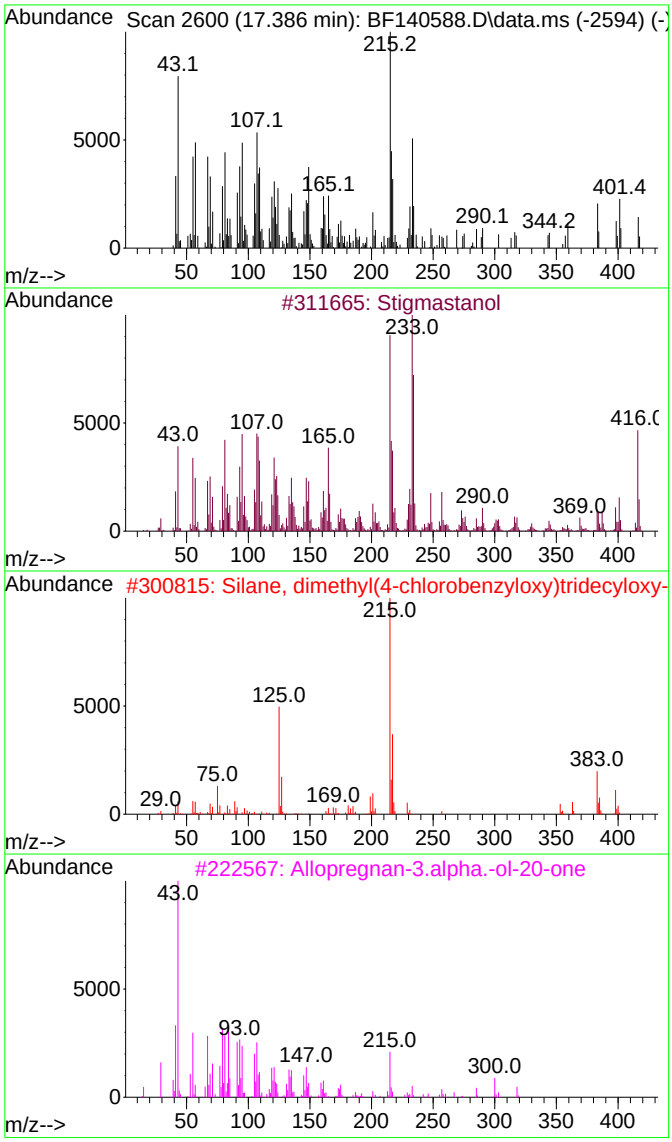
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

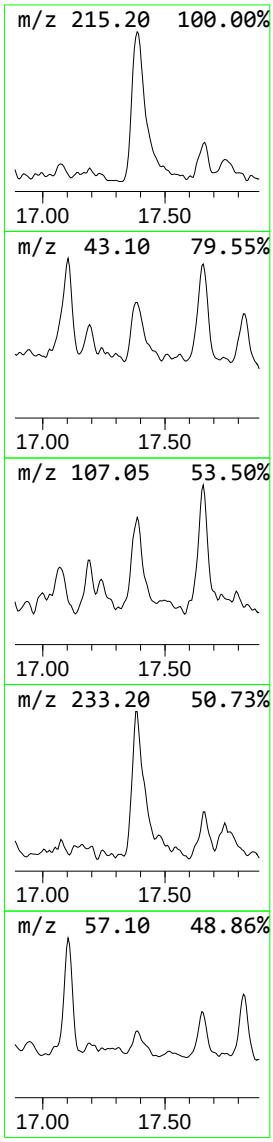
****

Peak Number 19 Stigmastanol Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.386	9.39 ng	264528	Perylene-d12	15.533

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Stigmastanol	416	C29H52O	019466-47-8	55
2	Silane, dimethyl(4-chlorobenzylo...	398	C22H39ClO2Si	1010347-00-1	38
3	Allopregnan-3.alpha.-ol-20-one	318	C21H34O2	000516-54-1	25
4	11-Azatricyclo[6.2.1.0(2,7)]unde...	215	C13H13NO2	1000306-00-6	22
5	Pyridin-3-ol, 2-(4-nitrophenyl)-	216	C11H8N2O3	030820-89-4	22





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

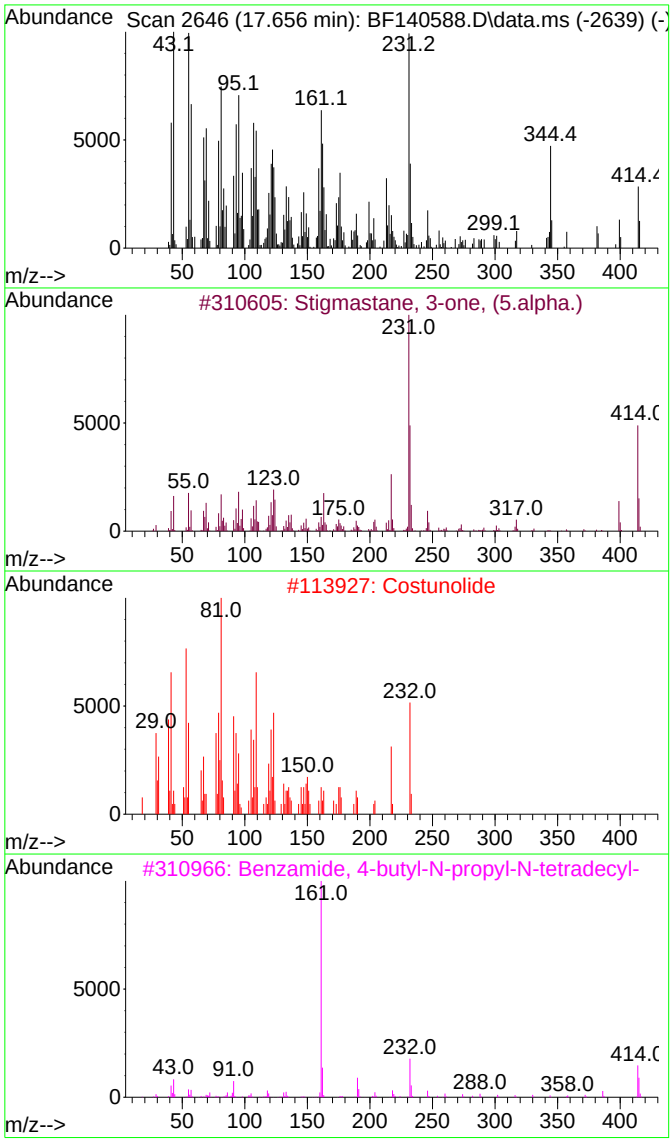
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

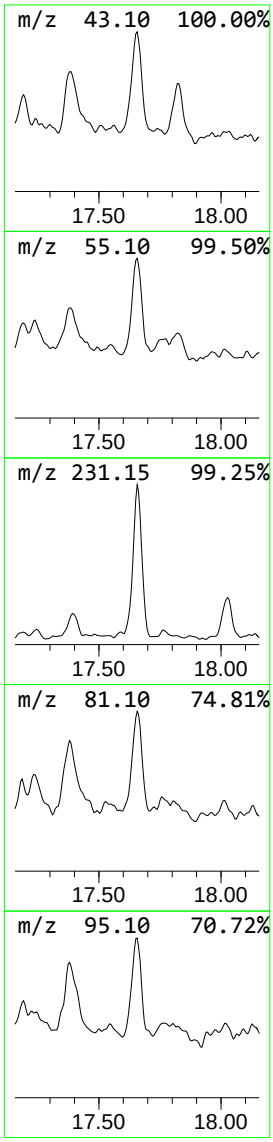
****

Peak Number 20 unknown17.657 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.657	12.91 ng	363478	Perylene-d12	15.533

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Stigmastane, 3-one, (5.alpha.)	414	C29H50O	1000437-00-8	45
2	Costunolide	232	C15H20O2	000553-21-9	44
3	Benzamide, 4-butyl-N-propyl-N-te...	415	C28H49NO	1000438-15-5	35
4	5-Methoxyquinolin-8-amine, TMS	246	C13H18N2OSi	1000514-59-5	25
5	Benzamide, 4-tert-butyl-N-propyl...	415	C28H49NO	1000438-64-6	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140588.D
Acq On : 22 Nov 2024 19:53
Operator : RC/JU
Sample : P4860-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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...	2.134	35.9	ng	1055280	1	6.869	587590	20.0
Hexadecane, 2,6...	10.816	6.7	ng	205213	4	11.398	612268	20.0
n-Hexadecanoic ...	11.922	14.7	ng	448778	4	11.398	612268	20.0
4b,8-Dimethyl-2...	12.339	6.4	ng	197100	4	11.398	612268	20.0
10,18-Bisnorabi...	12.651	21.2	ng	649806	4	11.398	612268	20.0
Tridecane, 6-pr...	13.204	7.0	ng	147759	5	14.045	423942	20.0
Heptadecane	13.551	12.0	ng	253581	5	14.045	423942	20.0
Cyclohexane, 1,...	13.845	17.5	ng	370638	5	14.045	423942	20.0
Eicosane	13.880	21.9	ng	463409	5	14.045	423942	20.0
1H-Indole, 2-me...	14.174	10.4	ng	220706	5	14.045	423942	20.0
Tricosane	14.204	27.6	ng	584893	5	14.045	423942	20.0
Heneicosane	14.504	18.9	ng	400426	5	14.045	423942	20.0
Octacosane	14.816	11.9	ng	334725	6	15.533	563306	20.0
Supraene	14.892	7.4	ng	208058	6	15.533	563306	20.0
Heneicosane, 11...	15.157	12.1	ng	341342	6	15.533	563306	20.0
Tetradecane, 2,...	15.986	6.9	ng	194460	6	15.533	563306	20.0
5.beta.-Cholest...	16.239	46.6	ng	1311580	6	15.533	563306	20.0
Cholestan-2-one	16.451	52.5	ng	1480220	6	15.533	563306	20.0
Stigmastanol	17.386	9.4	ng	264528	6	15.533	563306	20.0
unknown17.657	17.657	12.9	ng	363478	6	15.533	563306	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140622.D
Acq On : 25 Nov 2024 23:48
Operator : RC/JU
Sample : P4860-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Quant Time: Nov 26 02:01:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

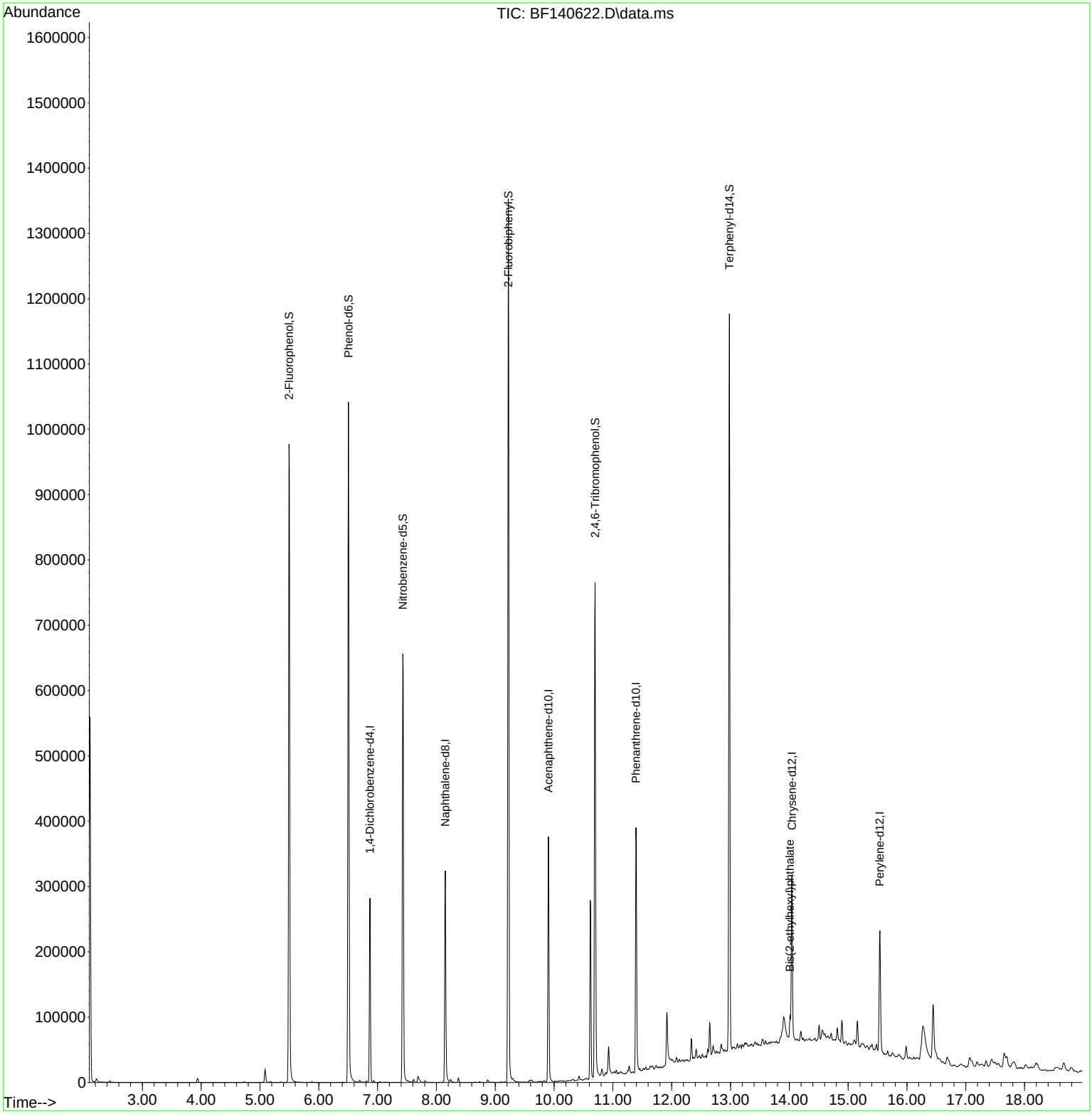
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	57850	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	212247	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	114728	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	210520	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	124009	20.000	ng	0.00
86) Perylene-d12	15.539	264	108011	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	374327	110.403	ng	0.00
7) Phenol-d6	6.504	99	483782	107.929	ng	-0.01
23) Nitrobenzene-d5	7.428	82	308203	74.275	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	133550	108.841	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	596040	77.406	ng	-0.01
79) Terphenyl-d14	12.980	244	551608	69.263	ng	-0.01
Target Compounds						Qvalue
84) Bis(2-ethylhexyl)phtha...	14.010	149	14506	2.781	ng	98

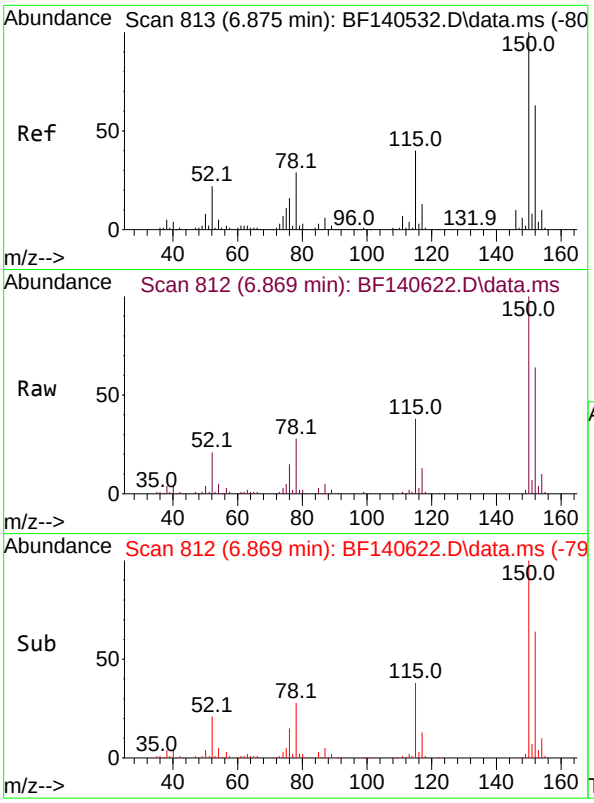
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140622.D
Acq On : 25 Nov 2024 23:48
Operator : RC/JU
Sample : P4860-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Quant Time: Nov 26 02:01:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



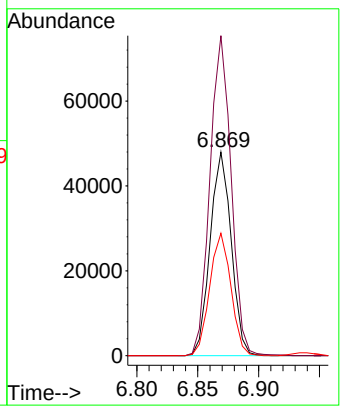


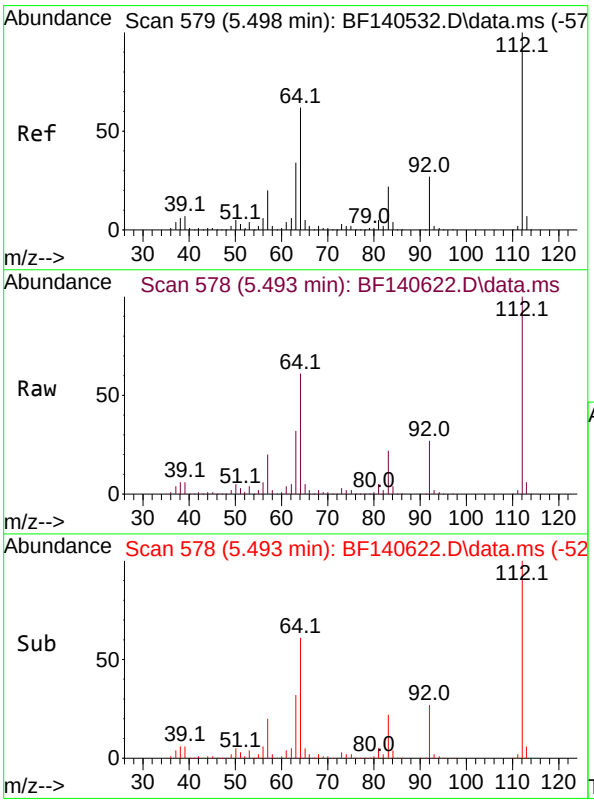
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140622.D
Acq: 25 Nov 2024 23:48

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Tgt Ion:152 Resp: 57850

Ion	Ratio	Lower	Upper
152	100		
150	157.2	128.5	192.7
115	60.1	50.2	75.4

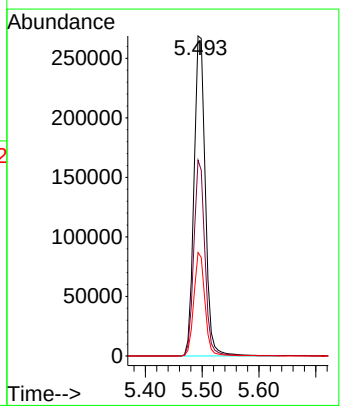


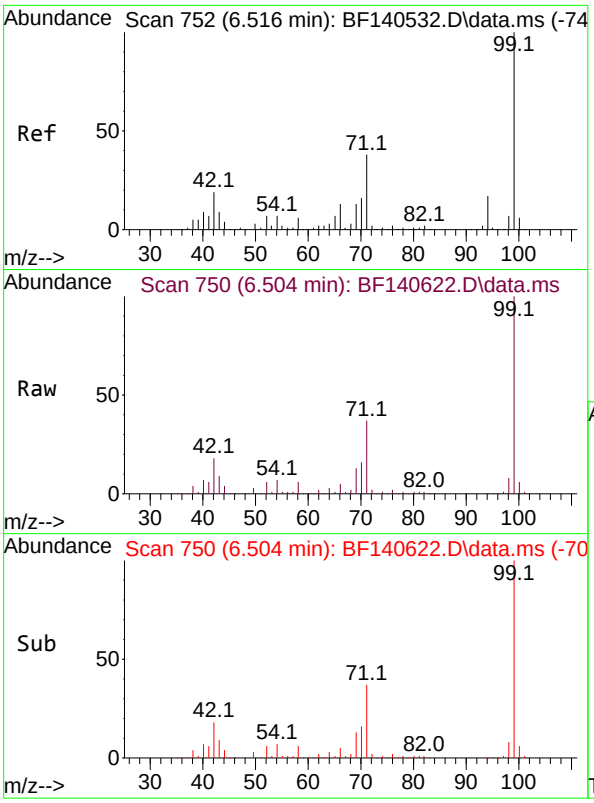


#5
2-Fluorophenol
Concen: 110.403 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF140622.D
Acq: 25 Nov 2024 23:48

Tgt Ion:112 Resp: 374327

Ion	Ratio	Lower	Upper
112	100		
64	61.2	49.2	73.8
63	32.3	27.0	40.4



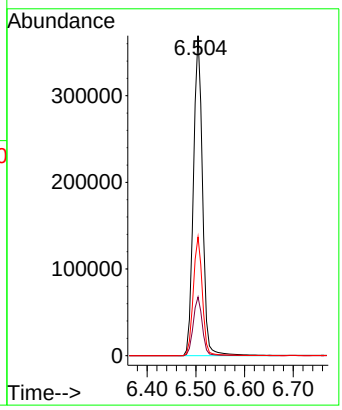


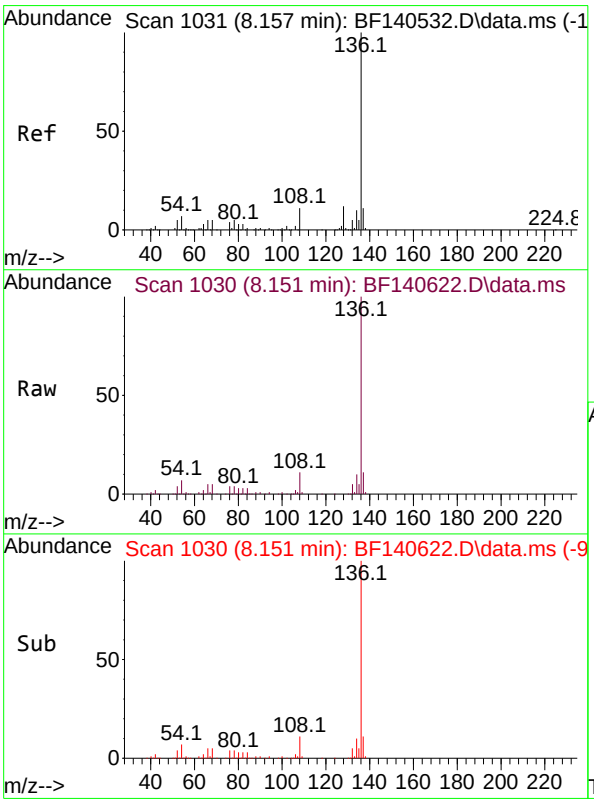
#7
Phenol-d6
Concen: 107.929 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF140622.D
Acq: 25 Nov 2024 23:48

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Tgt Ion: 99 Resp: 483782

Ion	Ratio	Lower	Upper
99	100		
42	18.3	15.4	23.0
71	37.1	30.6	46.0

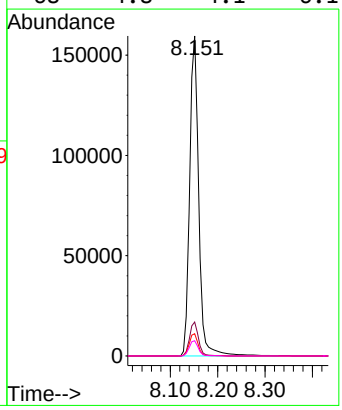


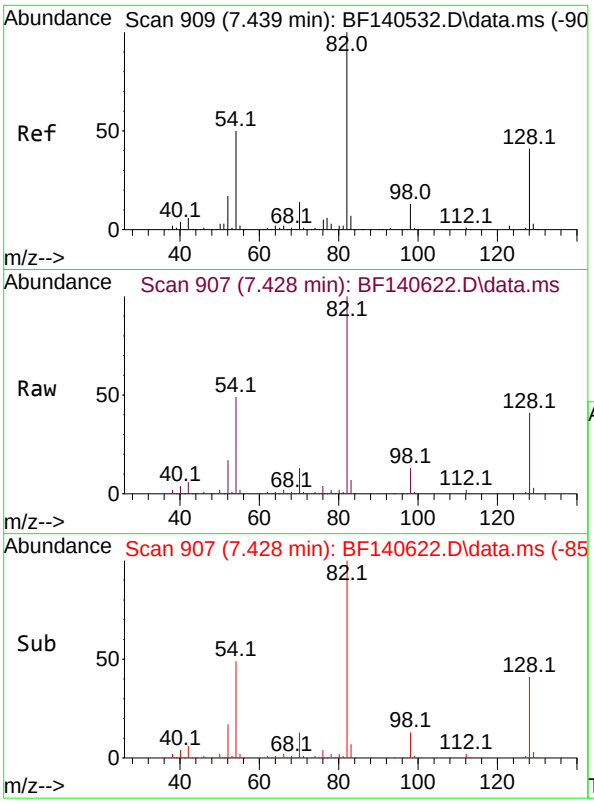


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140622.D
Acq: 25 Nov 2024 23:48

Tgt Ion:136 Resp: 212247

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	6.9	5.8	8.8
68	4.8	4.1	6.1



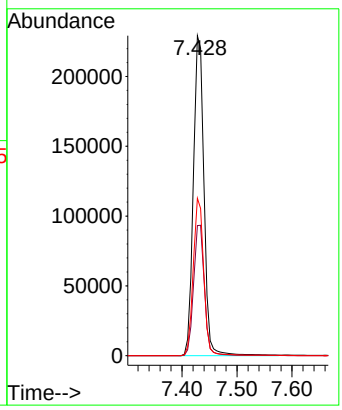


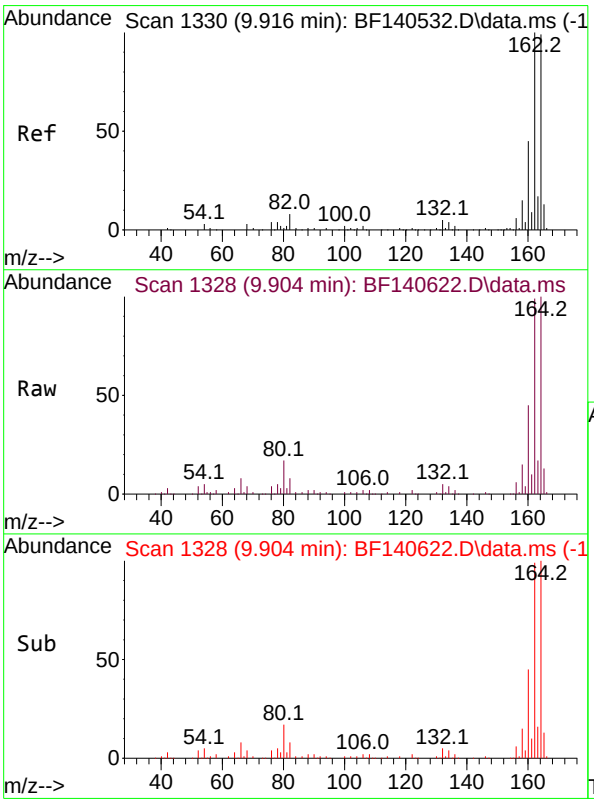
#23
Nitrobenzene-d5
Concen: 74.275 ng
RT: 7.428 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF140622.D
Acq: 25 Nov 2024 23:48

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Tgt Ion: 82 Resp: 308203

Ion	Ratio	Lower	Upper
82	100		
128	40.6	33.0	49.4
54	49.2	39.5	59.3

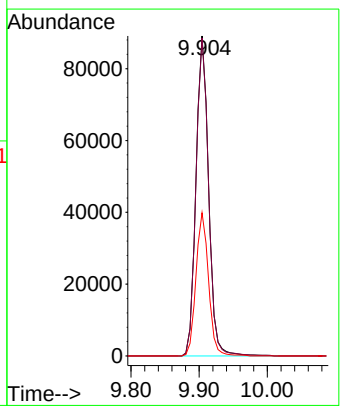


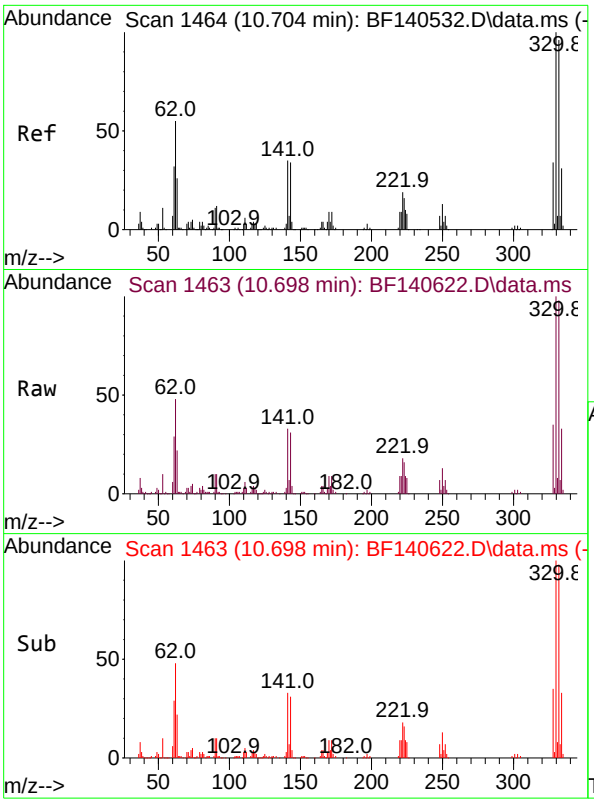


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140622.D
Acq: 25 Nov 2024 23:48

Tgt Ion:164 Resp: 114728

Ion	Ratio	Lower	Upper
164	100		
162	99.3	80.6	120.8
160	44.7	36.2	54.4



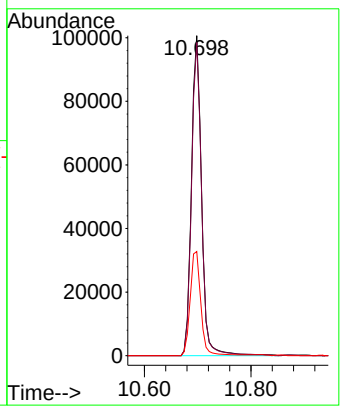


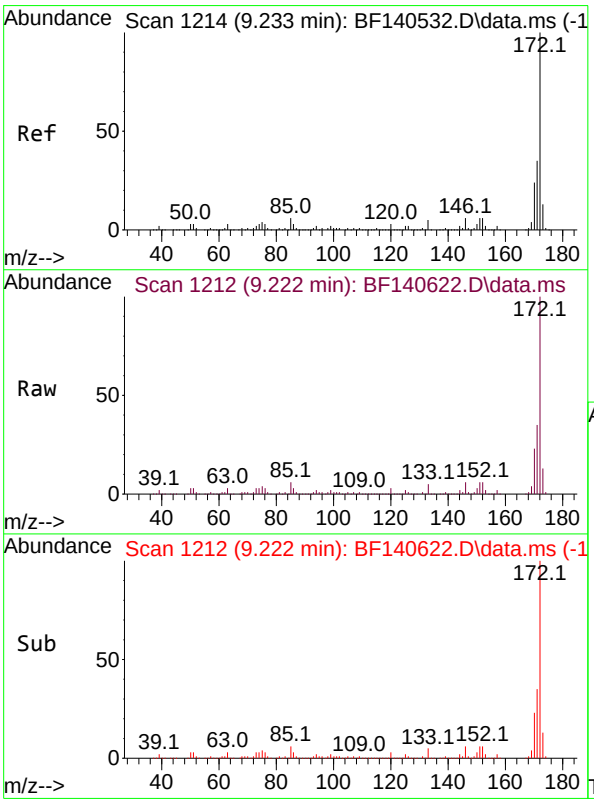
#42
2,4,6-Tribromophenol
Concen: 108.841 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140622.D
Acq: 25 Nov 2024 23:48

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Tgt Ion:330 Resp: 133550

Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.9	115.3
141	34.2	26.7	40.1

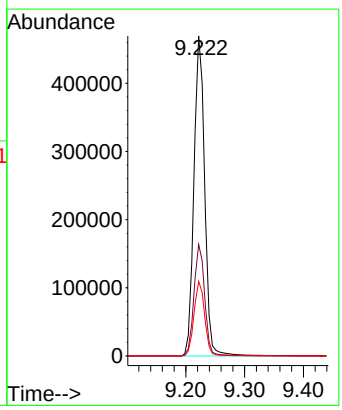


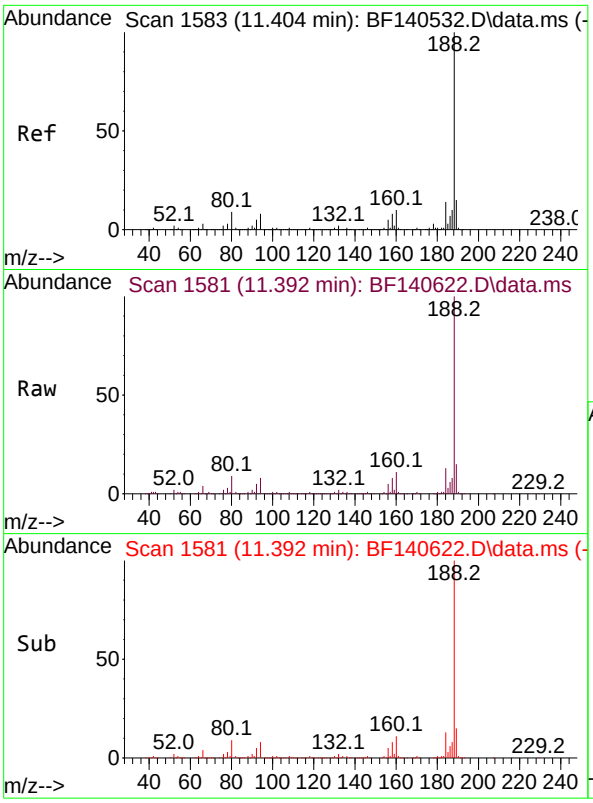


#45
2-Fluorobiphenyl
Concen: 77.406 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140622.D
Acq: 25 Nov 2024 23:48

Tgt Ion:172 Resp: 596040

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.4	42.6
170	23.3	19.0	28.6



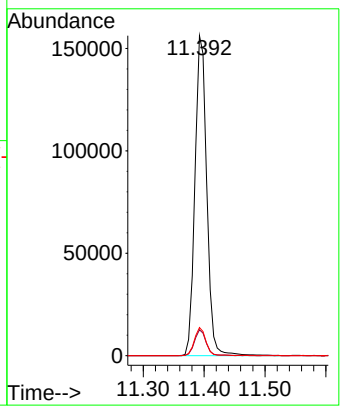


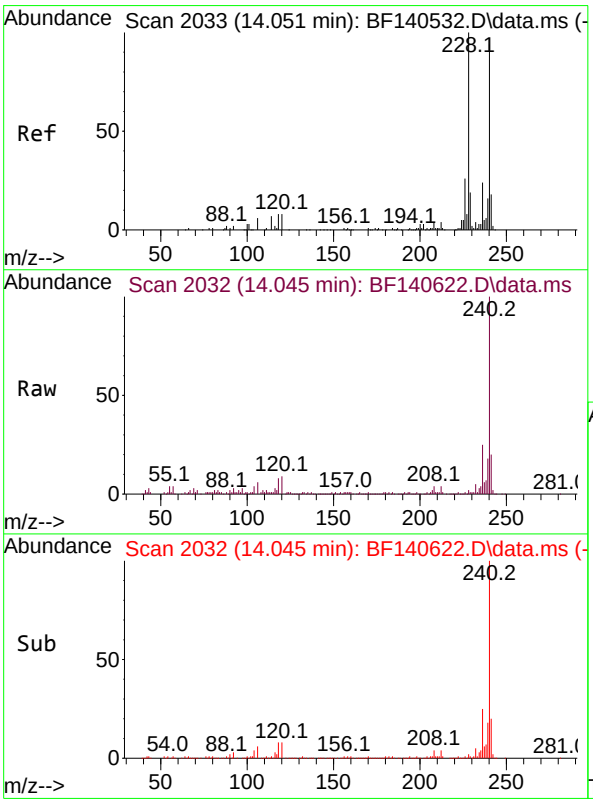
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140622.D
Acq: 25 Nov 2024 23:48

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Tgt Ion:188 Resp: 210520

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.4	9.6
80	8.8	6.9	10.3

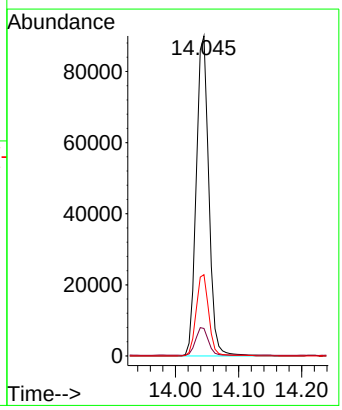


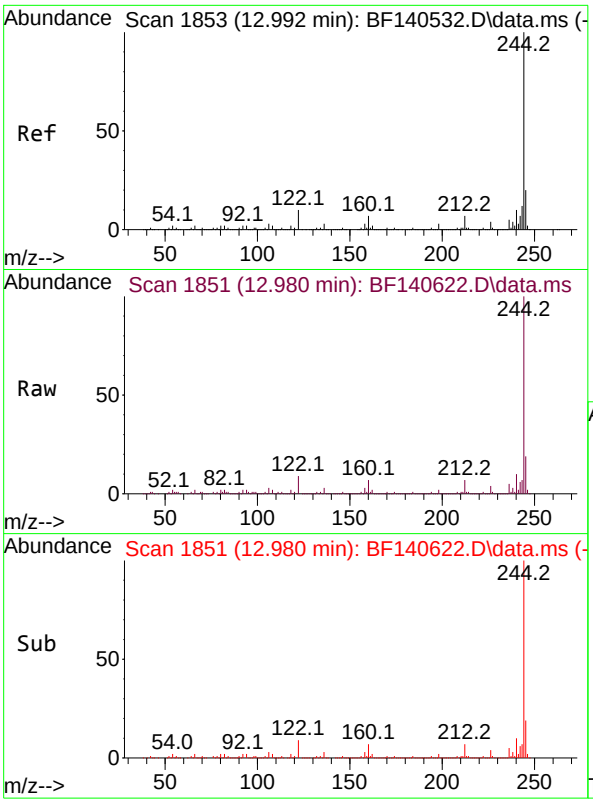


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140622.D
Acq: 25 Nov 2024 23:48

Tgt Ion:240 Resp: 124009

Ion	Ratio	Lower	Upper
240	100		
120	8.6	7.3	10.9
236	25.4	20.6	31.0



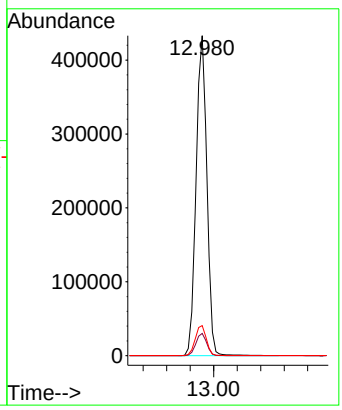


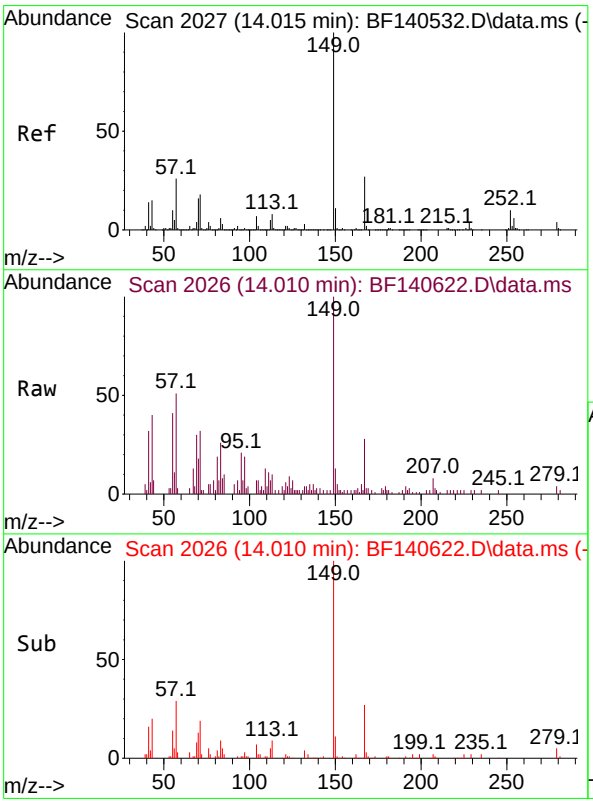
#79
Terphenyl-d14
Concen: 69.263 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140622.D
Acq: 25 Nov 2024 23:48

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Tgt Ion:244 Resp: 551608

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	9.4	8.0	12.0

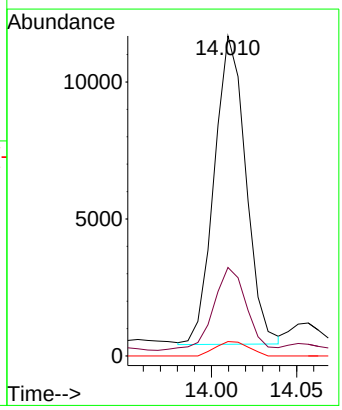


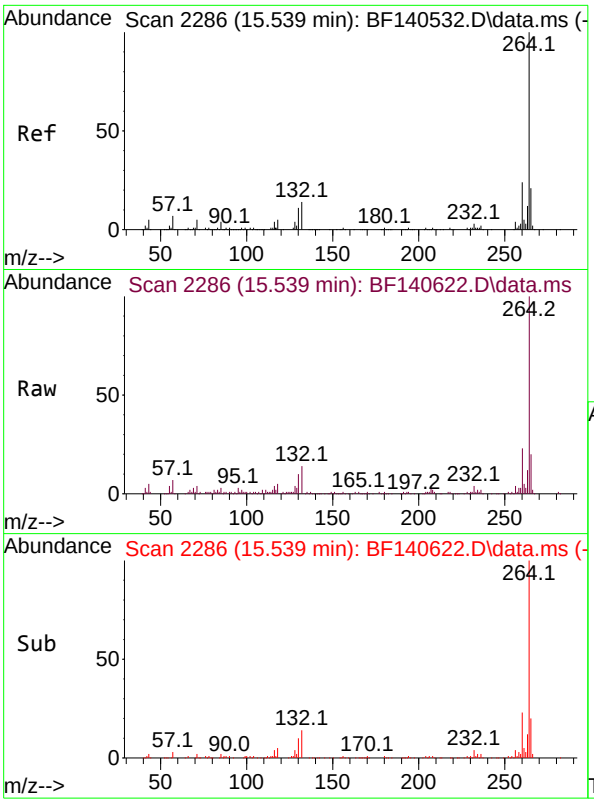


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.781 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF140622.D
Acq: 25 Nov 2024 23:48

Tgt Ion:149 Resp: 14506

Ion	Ratio	Lower	Upper
149	100		
167	27.6	21.2	31.8
279	4.5	3.2	4.8



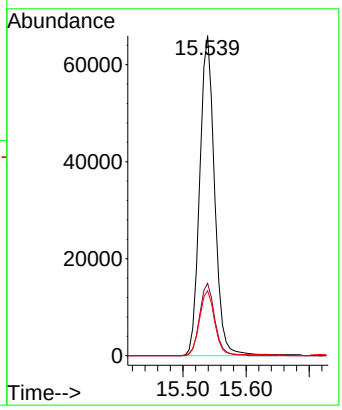


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140622.D
Acq: 25 Nov 2024 23:48

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Tgt Ion:264 Resp: 108011

Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.0	28.6
265	20.3	16.6	25.0



Sample Results: **BF140622.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140622.D
Acq On : 25 Nov 2024 23:48
Operator : RC/JU
Sample : P4860-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

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-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140622.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.087	504	509	519	rVB	19352	29324	1.73%	0.251%
2	5.493	573	578	599	rVB	976473	1329504	78.49%	11.371%
3	6.504	744	750	776	rBV	1041773	1375091	81.18%	11.761%
4	6.869	807	812	819	rBV	281826	342388	20.21%	2.928%
5	7.428	902	907	919	rBV	655973	872028	51.48%	7.458%
6	7.687	947	951	962	rVB	8736	18085	1.07%	0.155%
7	8.151	1025	1030	1042	rBV	323550	421907	24.91%	3.608%
8	9.222	1207	1212	1223	rBV	1352350	1693879	100.00%	14.487%
9	9.904	1323	1328	1341	rVB	375068	480581	28.37%	4.110%
10	10.616	1444	1449	1457	rBV	274274	356165	21.03%	3.046%
11	10.698	1457	1463	1477	rVV	758705	1030102	60.81%	8.810%
12	10.816	1478	1483	1489	rVB4	10598	20021	1.18%	0.171%
13	10.928	1497	1502	1511	rBV	41160	62004	3.66%	0.530%
14	11.392	1576	1581	1591	rBV	375832	519828	30.69%	4.446%
15	11.916	1666	1670	1678	rBV	80778	139203	8.22%	1.191%
16	12.333	1738	1741	1745	rBV	31349	38943	2.30%	0.333%
17	12.416	1752	1755	1759	rVB2	13185	17085	1.01%	0.146%
18	12.645	1790	1794	1799	rVB	49341	63743	3.76%	0.545%
19	12.980	1845	1851	1859	rBV	1128292	1456378	85.98%	12.456%
20	14.010	2023	2026	2028	rBV	32025	42763	2.52%	0.366%
21	14.045	2028	2032	2042	rVB	253255	361216	21.32%	3.089%
22	14.504	2107	2110	2114	rVB	20732	26063	1.54%	0.223%
23	14.892	2173	2176	2183	rVB	35955	49116	2.90%	0.420%
24	15.157	2217	2221	2229	rVB	39855	62760	3.71%	0.537%
25	15.539	2280	2286	2297	rVB	189494	325156	19.20%	2.781%
26	15.986	2358	2362	2368	rVB	18049	28718	1.70%	0.246%
27	16.268	2401	2410	2433	rBV9	49954	249760	14.74%	2.136%
28	16.445	2434	2440	2453	rVB4	83243	184514	10.89%	1.578%
29	17.068	2541	2546	2560	rVB4	13673	46438	2.74%	0.397%
30	17.657	2640	2646	2650	rBV7	19866	49608	2.93%	0.424%

Sum of corrected areas: 11692371

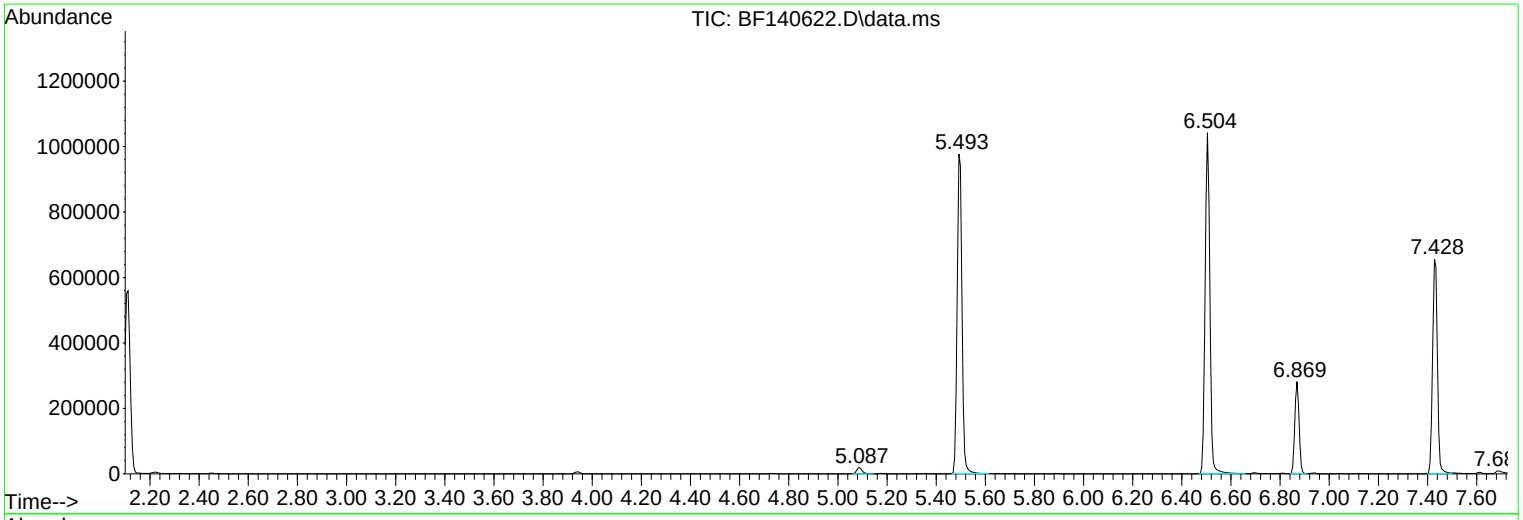
Sample Results: **BF140622.D**

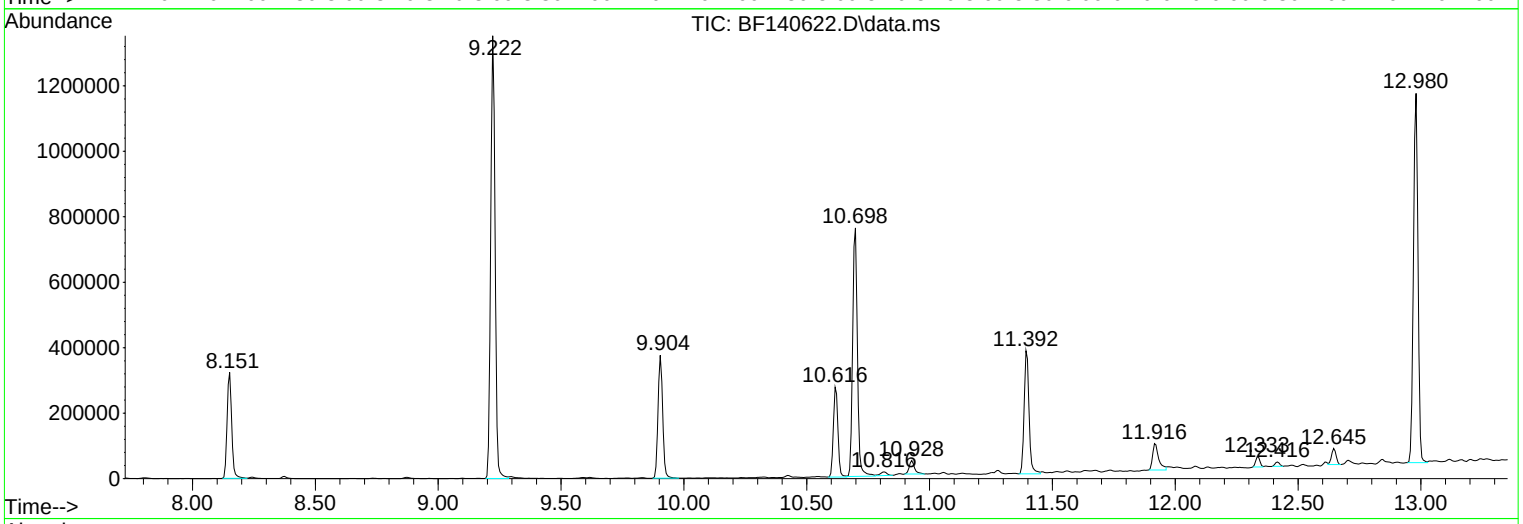
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140622.D
Acq On : 25 Nov 2024 23:48
Operator : RC/JU
Sample : P4860-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

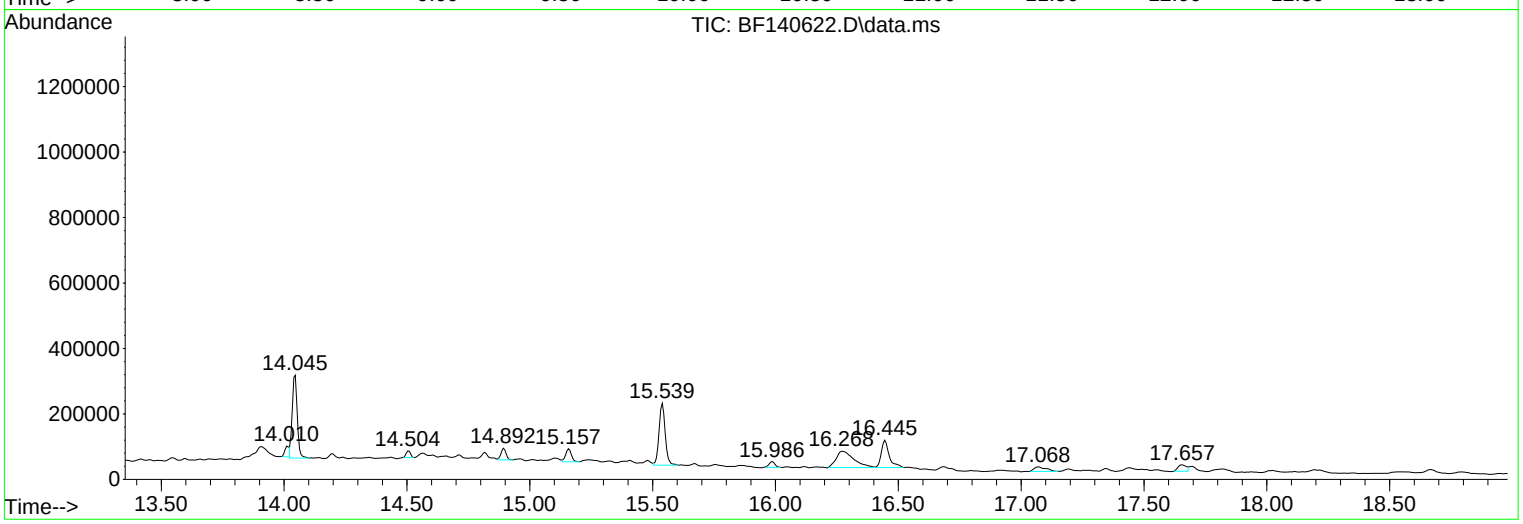
Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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\BF112524\
Data File : BF140622.D
Acq On : 25 Nov 2024 23:48
Operator : RC/JU
Sample : P4860-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

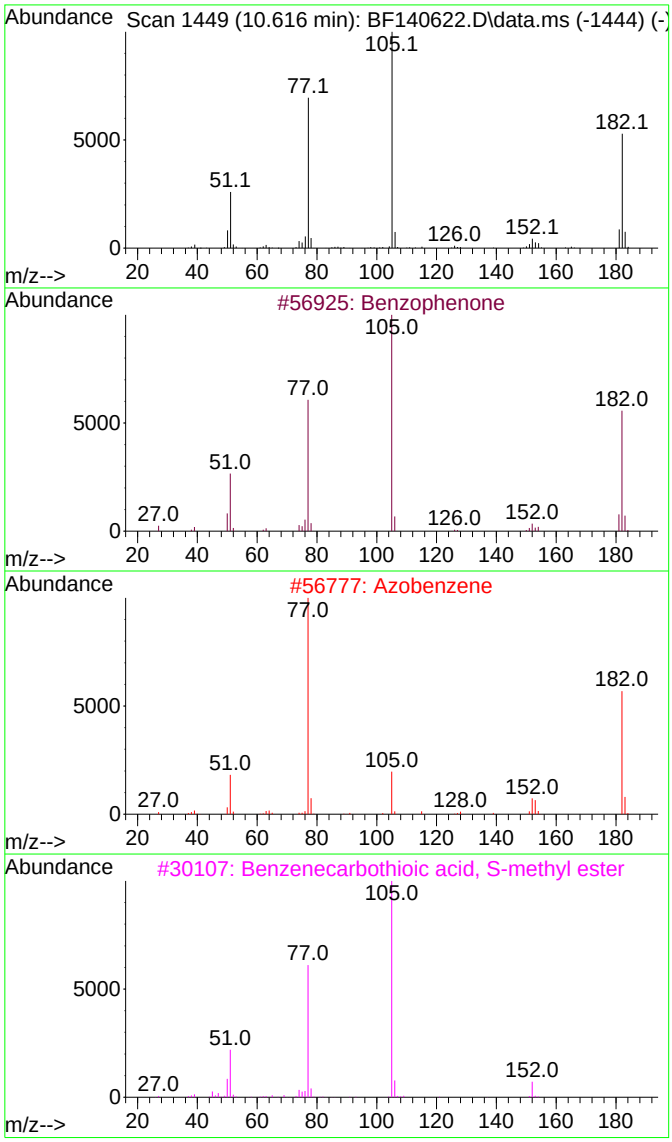
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

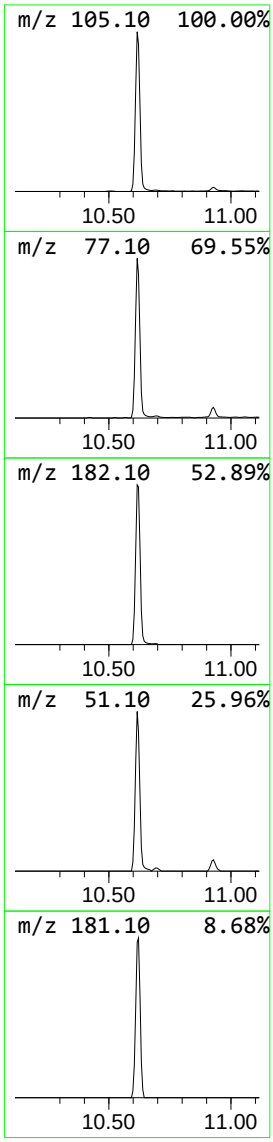
****

Peak Number 1 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	14.82 ng	356165	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	72
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	52
4	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
5	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140622.D
Acq On : 25 Nov 2024 23:48
Operator : RC/JU
Sample : P4860-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

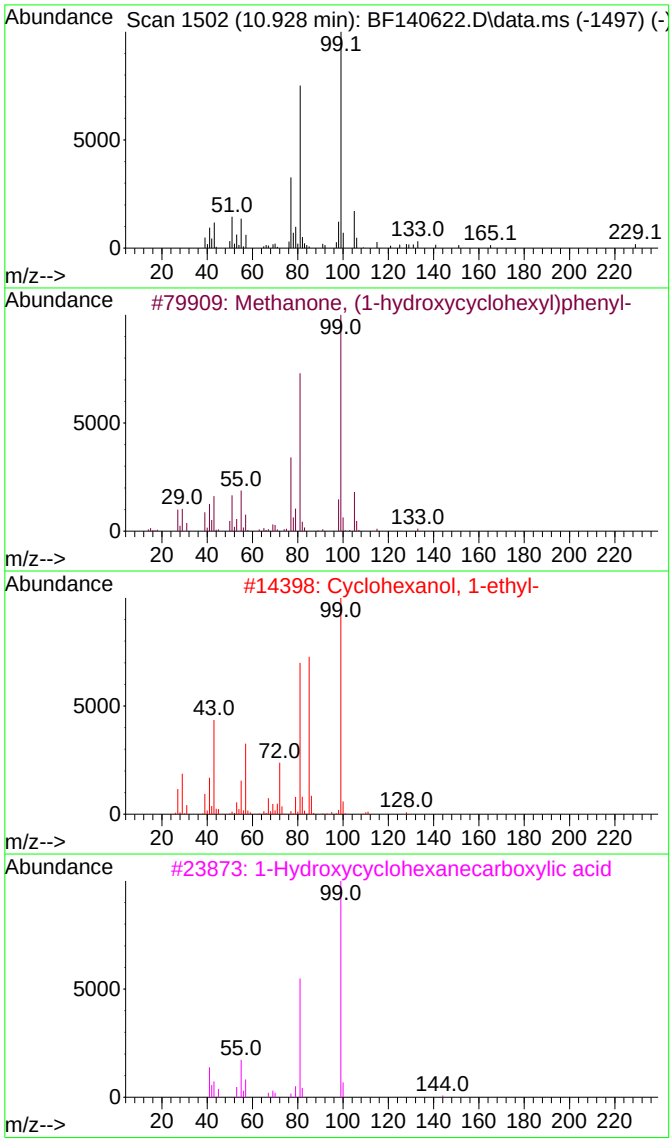
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

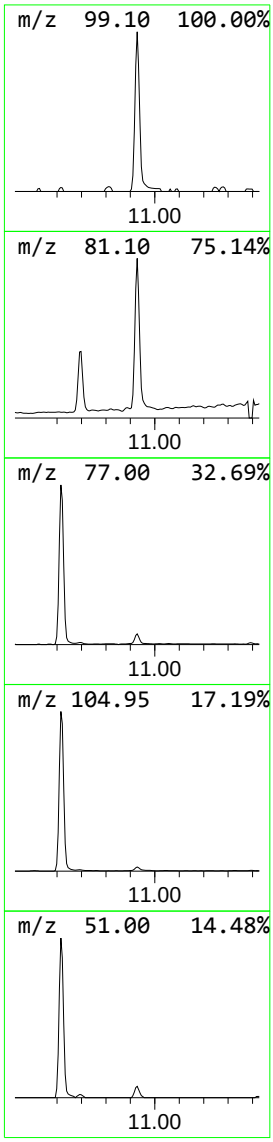
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Methanone, (1-hydroxycycloh... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.928	2.39 ng	62004	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methanone, (1-hydroxycyclohexyl)...	204	C13H16O2	000947-19-3	91
2	Cyclohexanol, 1-ethyl-	128	C8H16O	001940-18-7	59
3	1-Hydroxycyclohexanecarboxylic acid	144	C7H12O3	001123-28-0	59
4	3-Methylcyclohexyl methylphospho...	194	C8H16FO2P	113548-86-0	45
5	Cyclohexanol, 1-(aminomethyl)-	129	C7H15NO	004000-72-0	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140622.D
Acq On : 25 Nov 2024 23:48
Operator : RC/JU
Sample : P4860-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

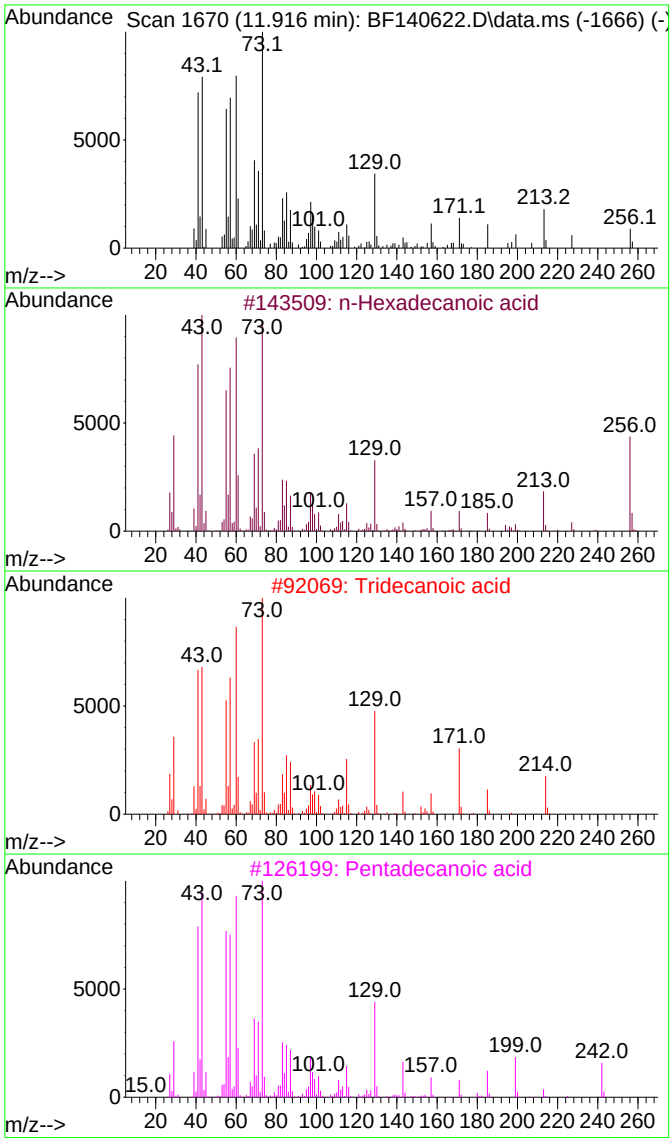
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

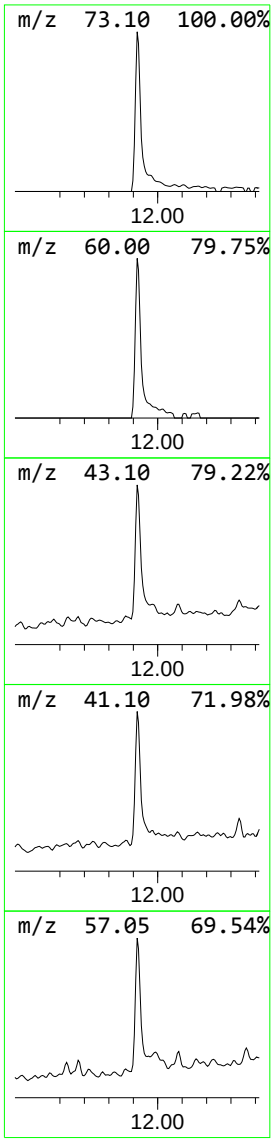
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	5.36 ng	139203	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	90
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5	Nonanoic acid	158	C9H18O2	000112-05-0	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140622.D
Acq On : 25 Nov 2024 23:48
Operator : RC/JU
Sample : P4860-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

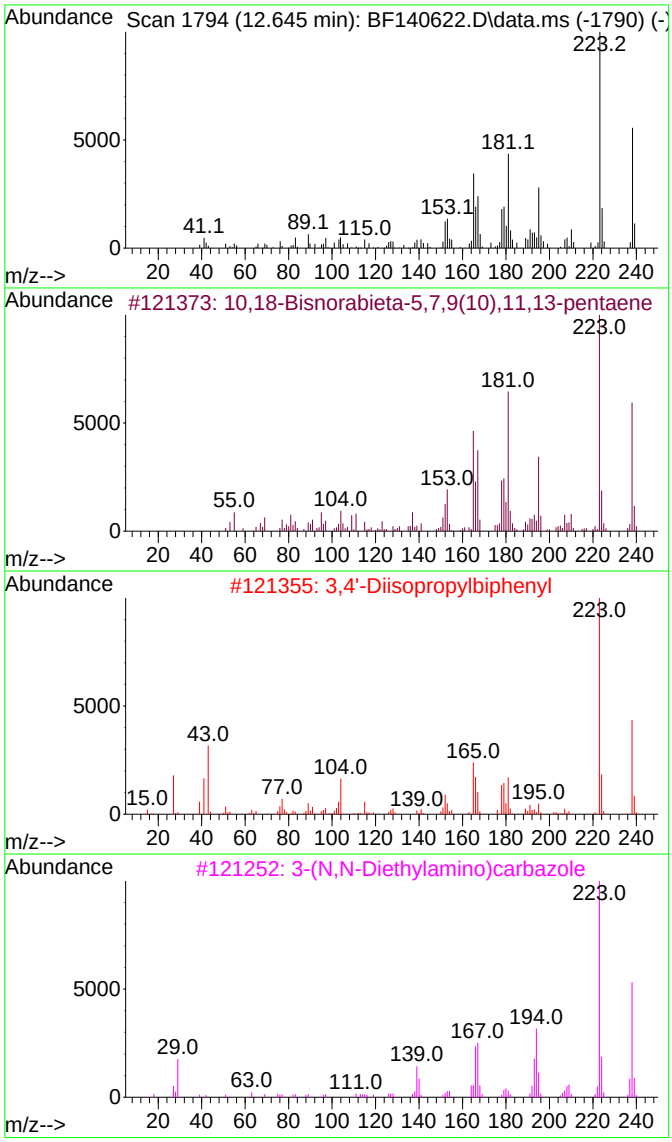
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

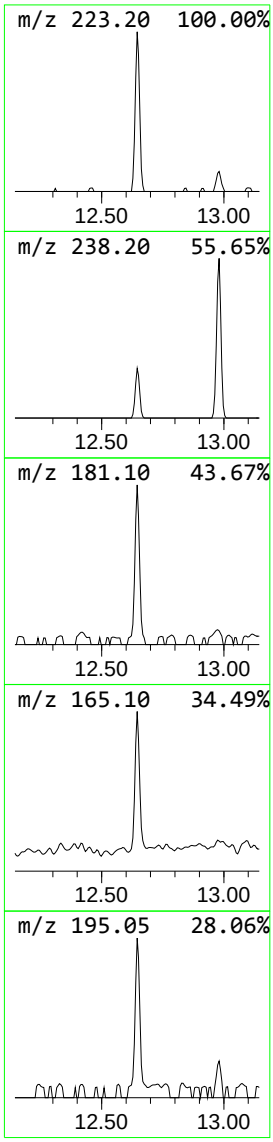
****

Peak Number 4 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.645	2.45 ng	63743	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	90
3	3-(N,N-Diethylamino)carbazole	238	C16H18N2	054994-31-9	64
4	1,3-Diethyl-5-(1-phenylethyl)ben...	238	C18H22	1000482-32-6	58
5	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140622.D
Acq On : 25 Nov 2024 23:48
Operator : RC/JU
Sample : P4860-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

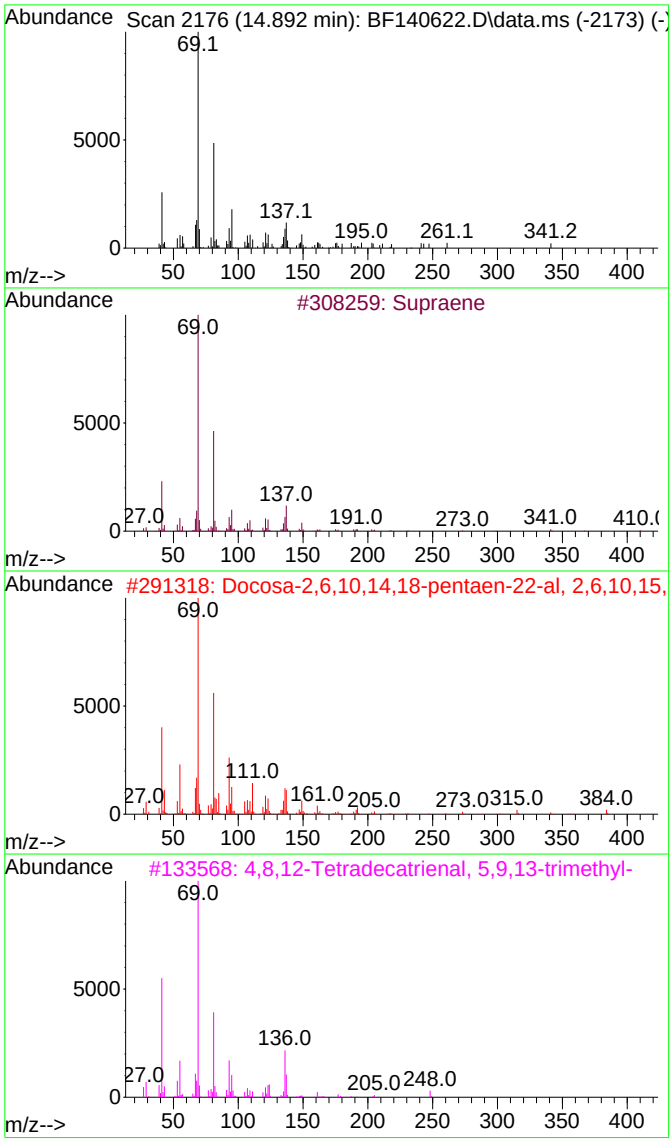
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

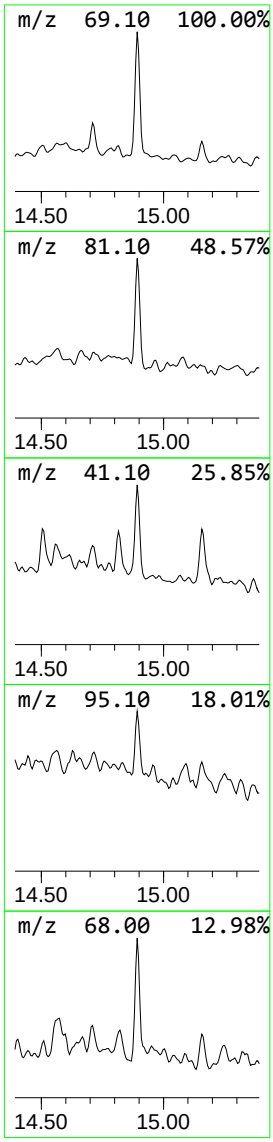
****

Peak Number 5 Supraene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.892	3.02 ng	49116	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Supraene	410	C30H50	007683-64-9	87
2	Docosa-2,6,10,14,18-pentaen-22-a...	384	C27H44O	1000163-04-7	78
3	4,8,12-Tetradecatrienal, 5,9,13-...	248	C17H28O	066408-55-7	72
4	Furan, 3-(4,8-dimethyl-3,7-nonad...	218	C15H22O	023262-34-2	64
5	1,6-Octadiene, 3,5-dimethyl-, tr...	138	C10H18	074630-87-8	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140622.D
Acq On : 25 Nov 2024 23:48
Operator : RC/JU
Sample : P4860-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

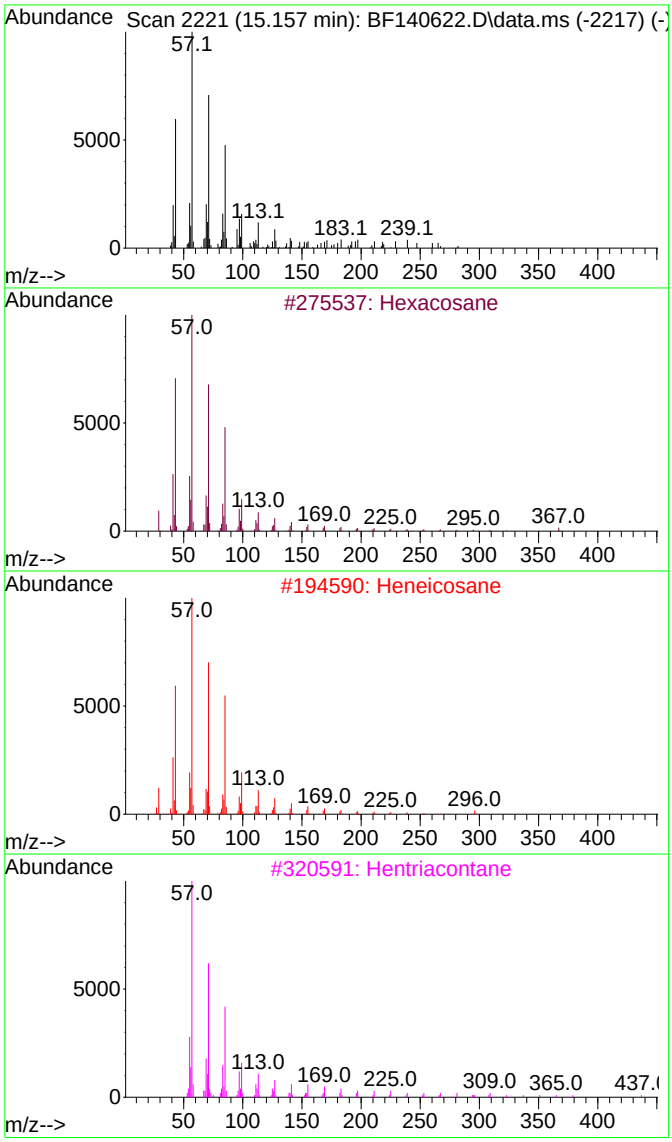
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

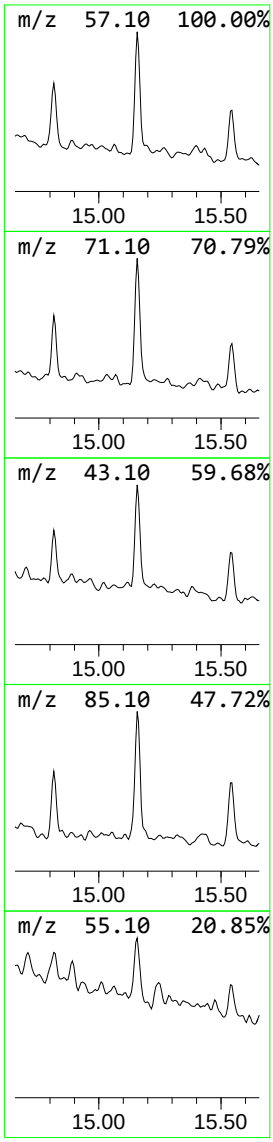
****

Peak Number 6 Hexacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.157	3.86 ng	62760	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	87
2	Heneicosane	296	C21H44	000629-94-7	87
3	Hentriacontane	437	C31H64	000630-04-6	87
4	Eicosane	282	C20H42	000112-95-8	86
5	Nonadecane, 2-methyl-	282	C20H42	001560-86-7	86





Sample Results: **BF140622.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140622.D
Acq On : 25 Nov 2024 23:48
Operator : RC/JU
Sample : P4860-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

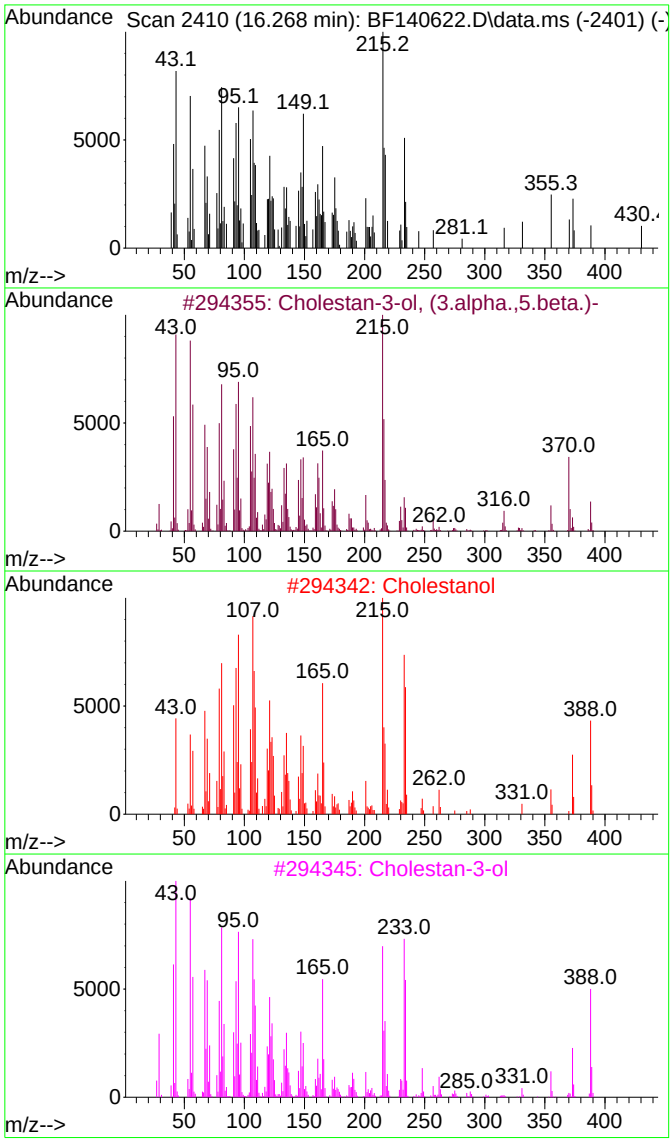
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

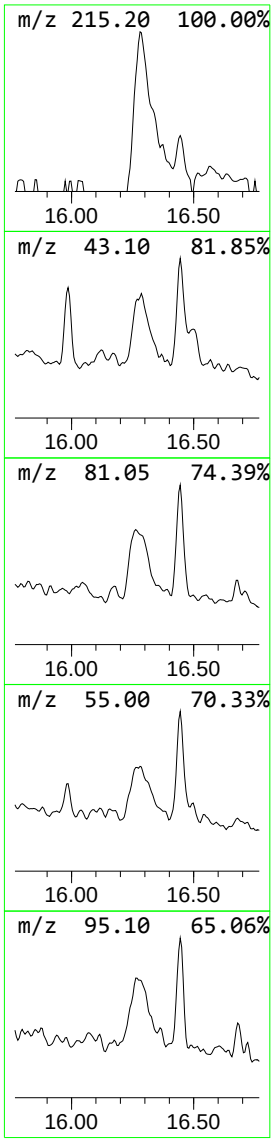
****

Peak Number 7 Cholestan-3-ol, (3.alpha.,5... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.268	15.36 ng	249760	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholestan-3-ol, (3.alpha.,5.beta.)-	388	C27H48O	000516-92-7	90
2	Cholestanol	388	C27H48O	000080-97-7	70
3	Cholestan-3-ol	388	C27H48O	027409-41-2	50
4	5.beta.-Cholestan-3.alpha.-ol, 2...	458	C31H54O2	1000514-95-7	46
5	5.beta.-Cholestan-3.alpha.-ol, a...	430	C29H50O2	033157-47-0	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140622.D
Acq On : 25 Nov 2024 23:48
Operator : RC/JU
Sample : P4860-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

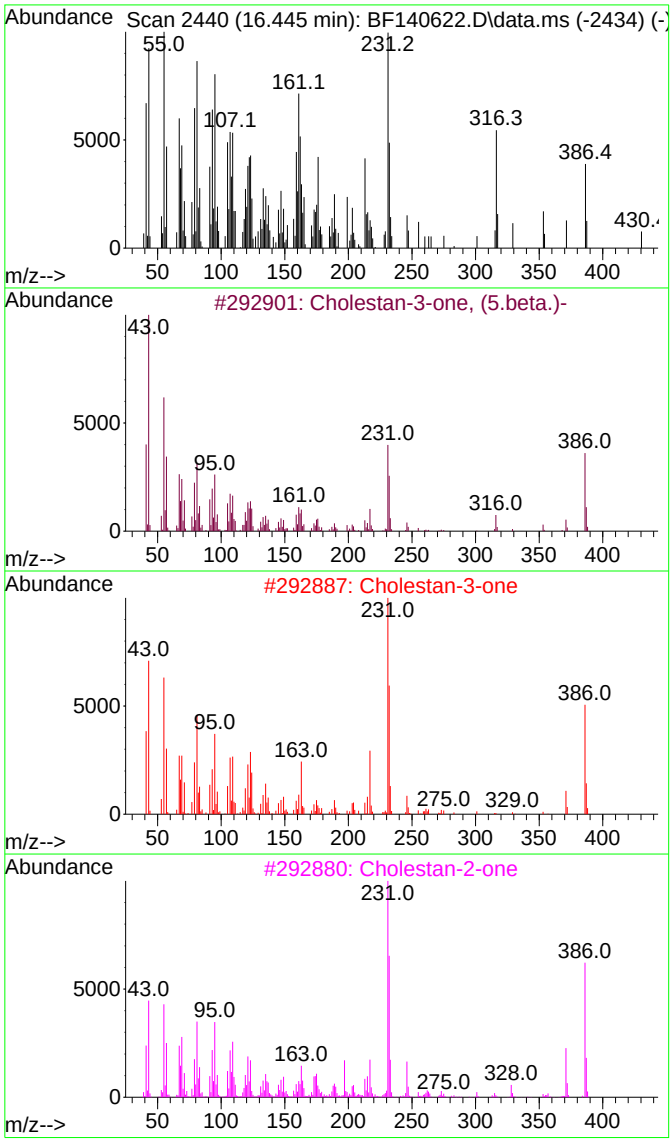
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

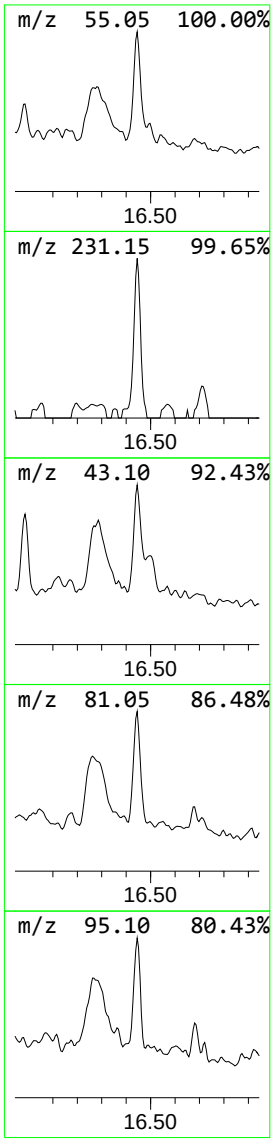
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Cholestan-3-one, (5.beta.)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.445	11.35 ng	184514	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholestan-3-one, (5.beta.)-	386	C27H46O	000601-53-6	90
2	Cholestan-3-one	386	C27H46O	015600-08-5	90
3	Cholestan-2-one	386	C27H46O	1010210-43-4	83
4	Cholestan-3-one, (5.alpha.)-	386	C27H46O	000566-88-1	64
5	Cholest-4-en-3-ol	386	C27H46O	014597-42-3	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140622.D
Acq On : 25 Nov 2024 23:48
Operator : RC/JU
Sample : P4860-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

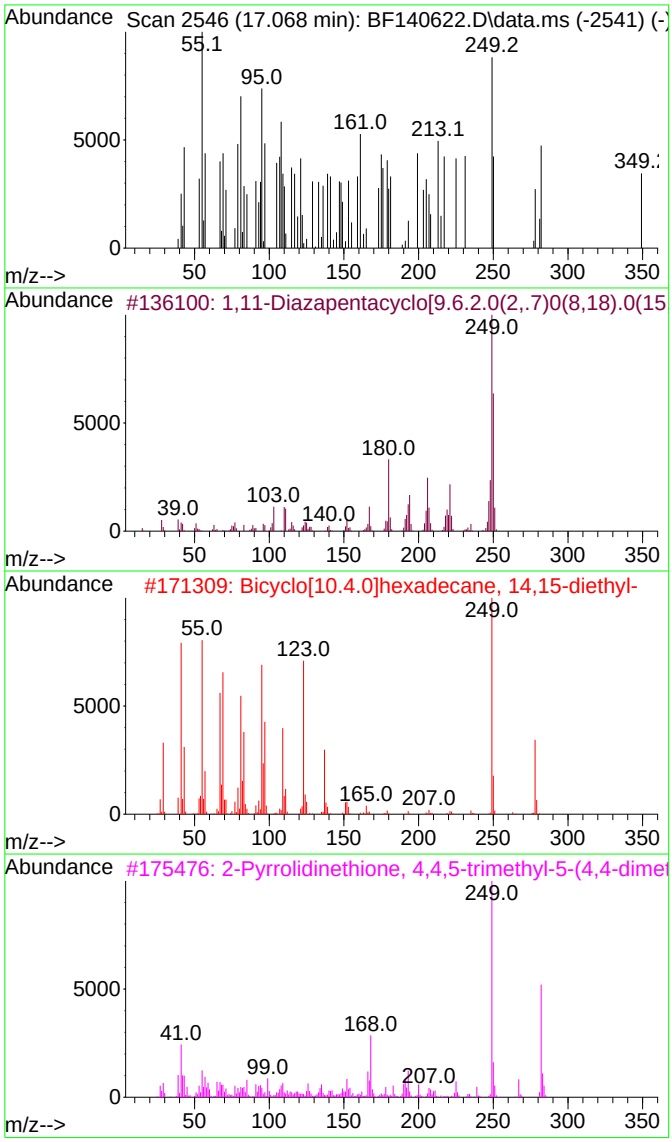
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

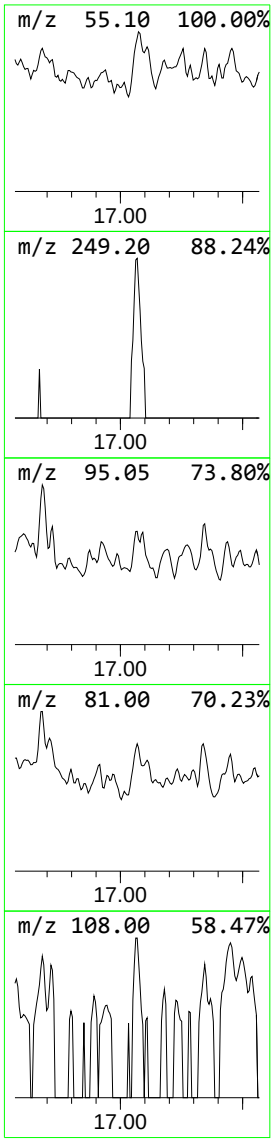
****

Peak Number 9 unknown17.068 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.068	2.86 ng	46438	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,11-Diazapentacyclo[9.6.2.0(2,....	250	C17H18N2	1000436-58-8	11
2	Bicyclo[10.4.0]hexadecane, 14,15...	278	C20H38	1000155-81-5	10
3	2-Pyrrolidinethione, 4,4,5-trime...	282	C14H22N2S2	1000186-15-6	10
4	[3-(Difluoromethyl)-5-methyl-4-n...	249	C8H9F2N3O4	1000512-13-1	9
5	1,2,5-Thiadiazolo[3,4-c]coumarin...	249	C9H3N3O4S	119458-69-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140622.D
Acq On : 25 Nov 2024 23:48
Operator : RC/JU
Sample : P4860-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

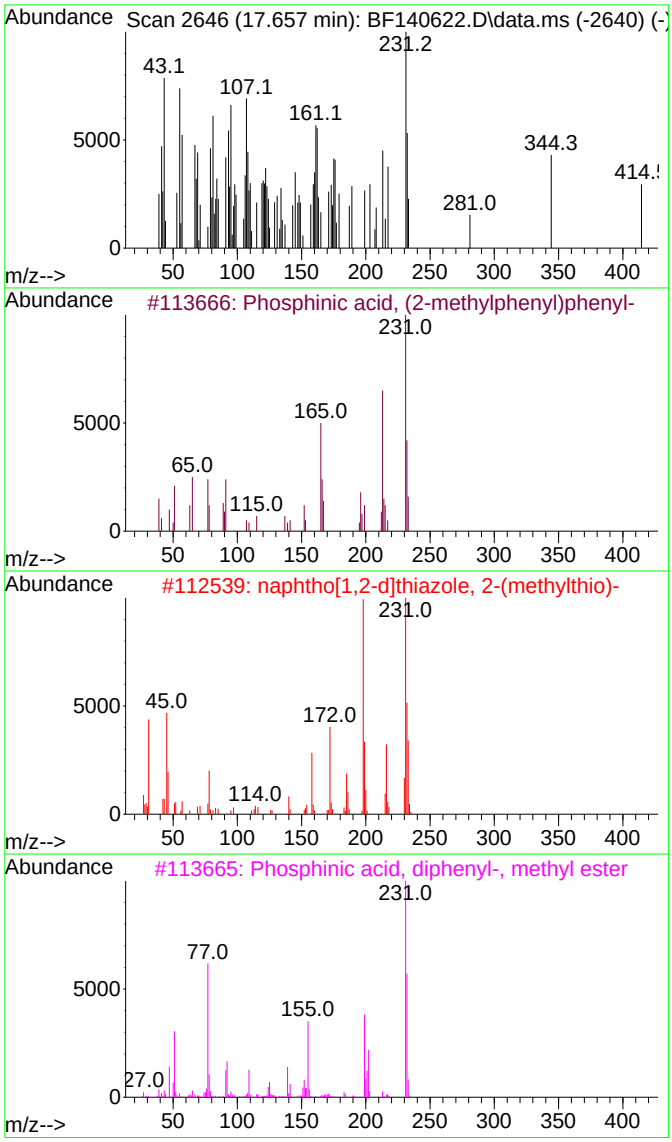
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

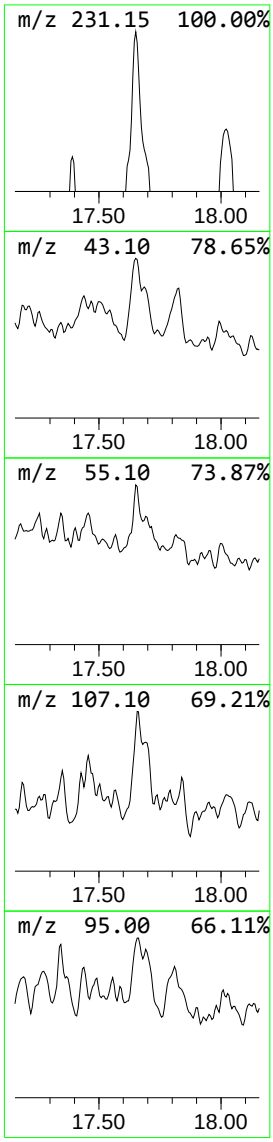
****

Peak Number 10 unknown17.657 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.657	3.05 ng	49608	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphinic acid, (2-methylphenyl...	232	C13H13O2P	018593-18-5	35
2	naphtho[1,2-d]thiazole, 2-(methy...	231	C12H9NS2	1000401-03-0	25
3	Phosphinic acid, diphenyl-, meth...	232	C13H13O2P	001706-90-7	18
4	Isobutyl 1-pentyl-1H-indazole-3-...	288	C17H24N2O2	1000457-73-6	12
5	2-Propenoic acid, 2-cyano-3-(4-m...	231	C13H13NO3	002286-29-5	11





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140622.D
Acq On : 25 Nov 2024 23:48
Operator : RC/JU
Sample : P4860-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-002

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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	10.616	14.8	ng	356165	3	9.904	480581	20.0
Methanone, (1-h...	10.928	2.4	ng	62004	4	11.392	519828	20.0
n-Hexadecanoic ...	11.916	5.4	ng	139203	4	11.392	519828	20.0
10,18-Bisnorabi...	12.645	2.5	ng	63743	4	11.392	519828	20.0
Supraene	14.892	3.0	ng	49116	6	15.539	325156	20.0
Hexacosane	15.157	3.9	ng	62760	6	15.539	325156	20.0
Cholestan-3-ol,...	16.268	15.4	ng	249760	6	15.539	325156	20.0
Cholestan-3-one...	16.445	11.4	ng	184514	6	15.539	325156	20.0
unknown17.068	17.068	2.9	ng	46438	6	15.539	325156	20.0
unknown17.657	17.657	3.0	ng	49608	6	15.539	325156	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140620.D
Acq On : 25 Nov 2024 22:55
Operator : RC/JU
Sample : P4860-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

Quant Time: Nov 26 00:11:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

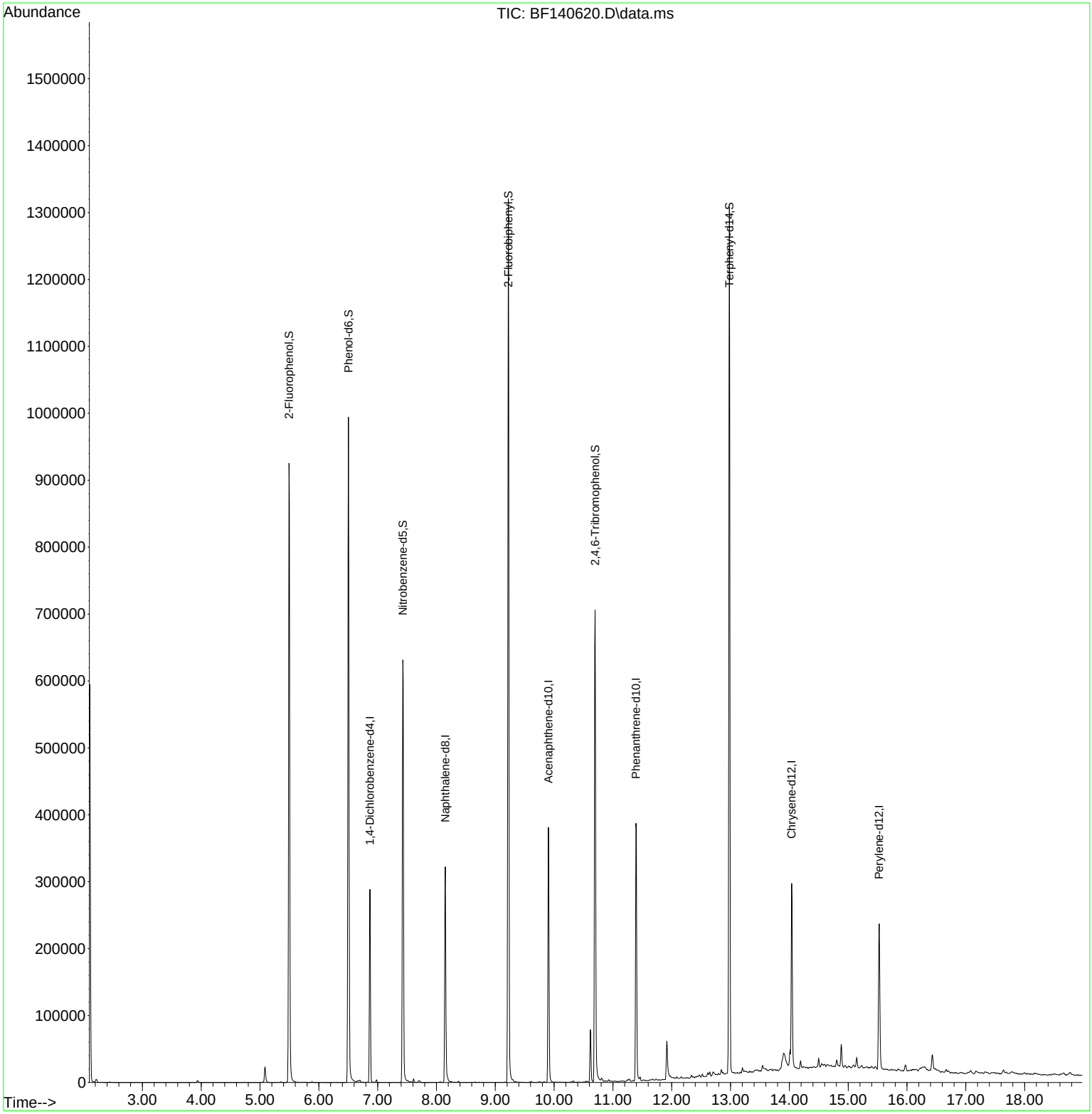
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	59191	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	215928	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	117690	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	222510	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	134073	20.000	ng	-0.01
86) Perylene-d12	15.527	264	132029	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	353591	101.924	ng	0.00
7) Phenol-d6	6.504	99	462361	100.814	ng	-0.01
23) Nitrobenzene-d5	7.428	82	297146	70.390	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	128817	102.341	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	578560	73.245	ng	-0.01
79) Terphenyl-d14	12.980	244	625576	72.655	ng	-0.01
Target Compounds						Qvalue

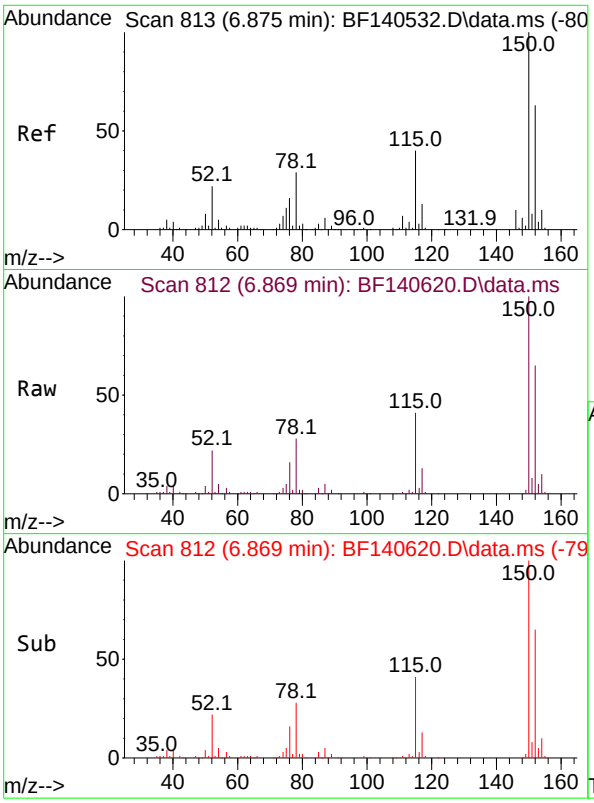
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140620.D
Acq On : 25 Nov 2024 22:55
Operator : RC/JU
Sample : P4860-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

Quant Time: Nov 26 00:11:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



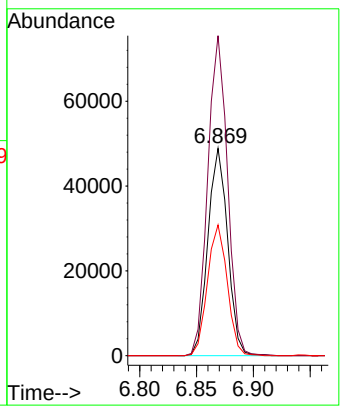


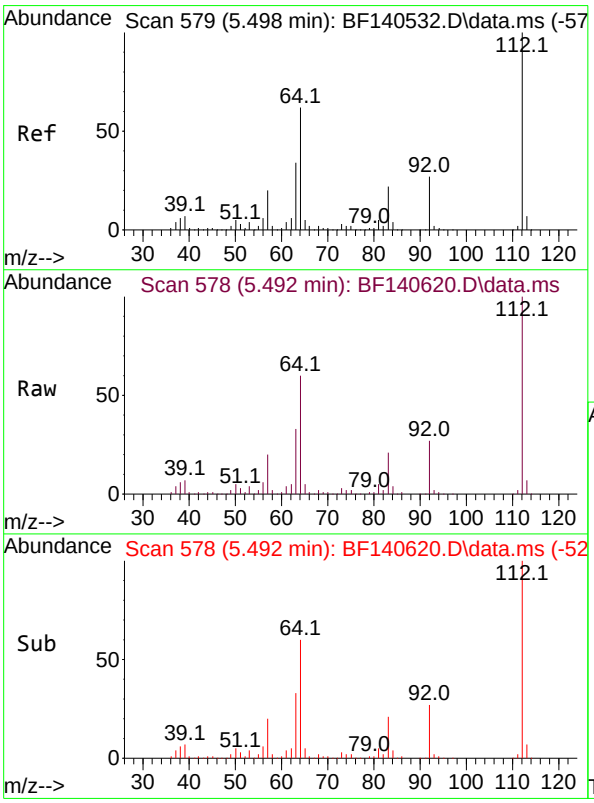
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140620.D
Acq: 25 Nov 2024 22:55

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

Tgt Ion:152 Resp: 59191

Ion	Ratio	Lower	Upper
152	100		
150	154.3	128.5	192.7
115	63.0	50.2	75.4

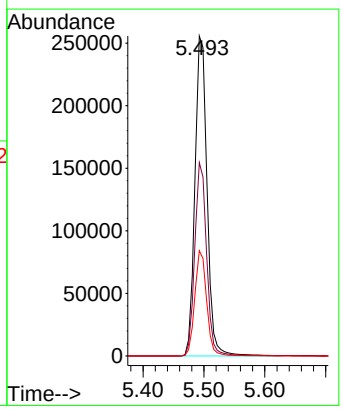


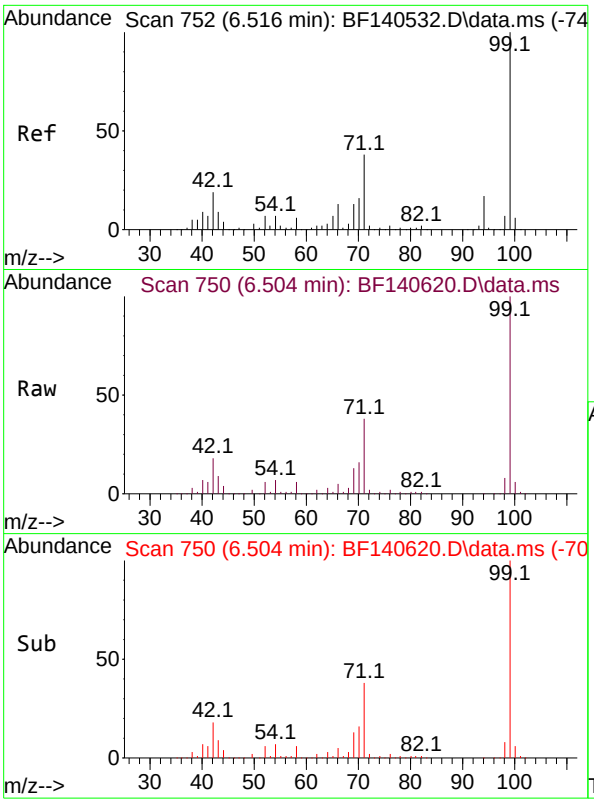


#5
2-Fluorophenol
Concen: 101.924 ng
RT: 5.492 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF140620.D
Acq: 25 Nov 2024 22:55

Tgt Ion:112 Resp: 353591

Ion	Ratio	Lower	Upper
112	100		
64	60.4	49.2	73.8
63	32.9	27.0	40.4



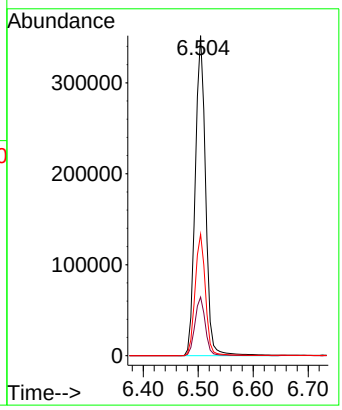


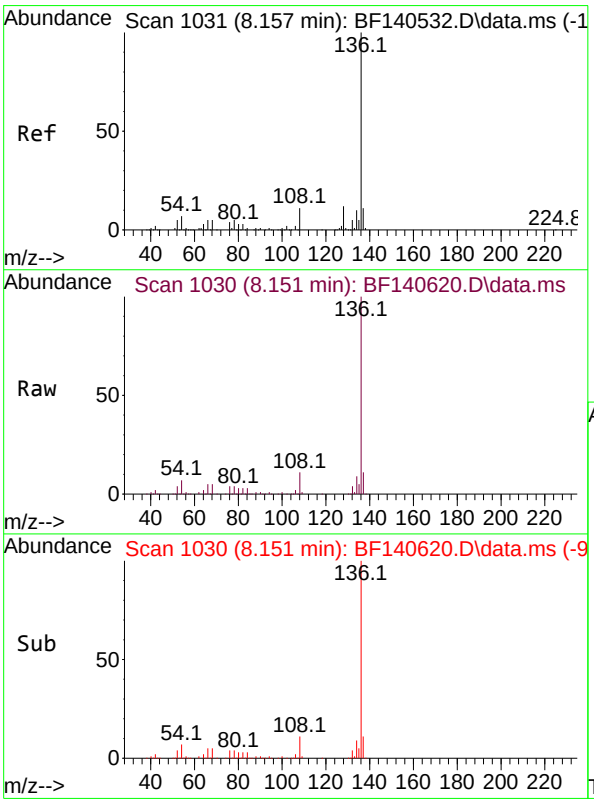
#7
Phenol-d6
Concen: 100.814 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF140620.D
Acq: 25 Nov 2024 22:55

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

Tgt Ion: 99 Resp: 462361

Ion	Ratio	Lower	Upper
99	100		
42	18.3	15.4	23.0
71	37.9	30.6	46.0

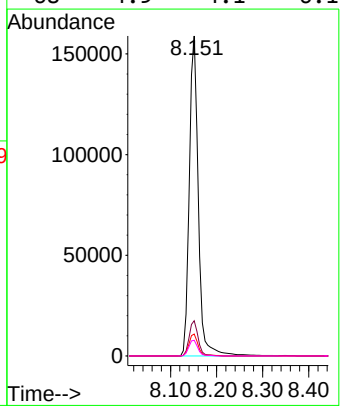


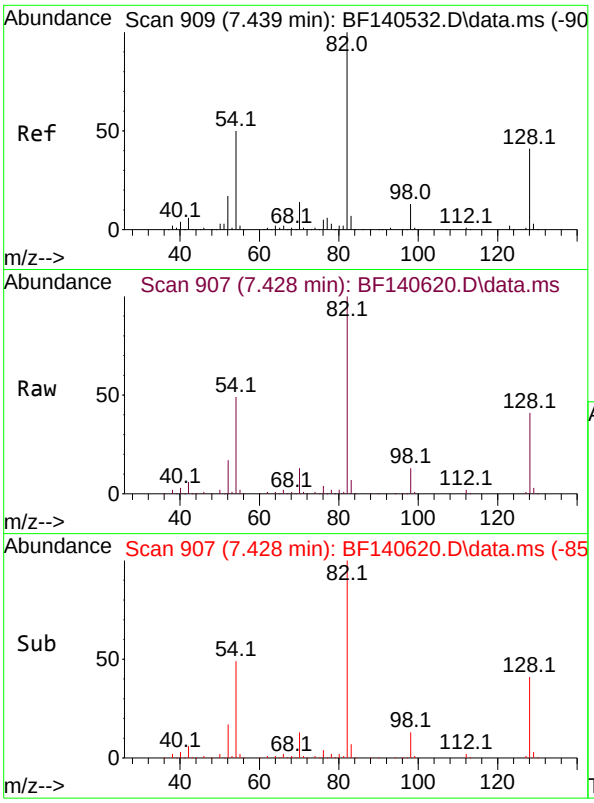


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140620.D
Acq: 25 Nov 2024 22:55

Tgt Ion:136 Resp: 215928

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	6.8	5.8	8.8
68	4.9	4.1	6.1



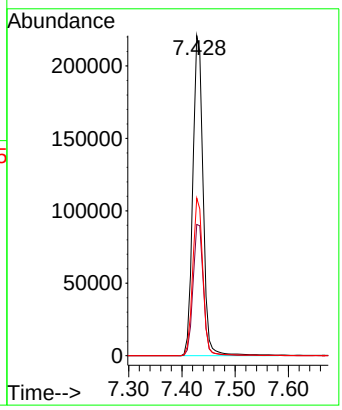


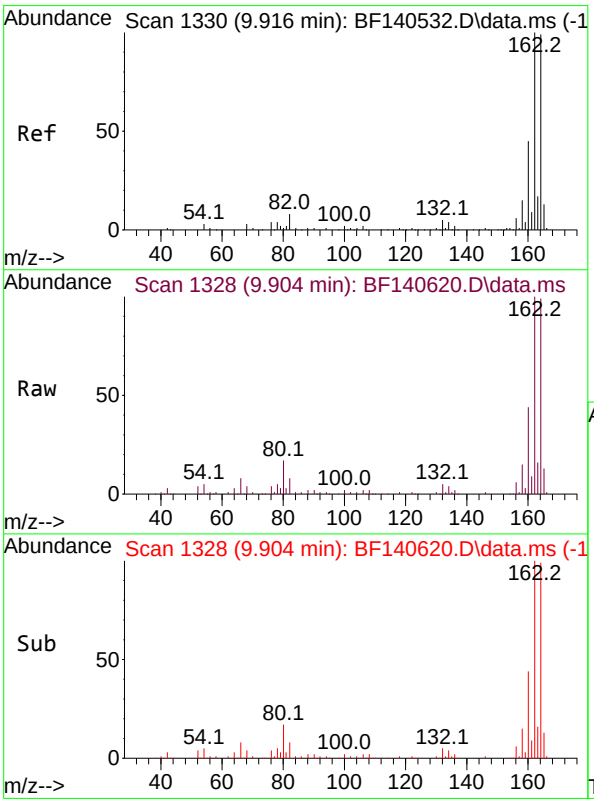
#23
Nitrobenzene-d5
Concen: 70.390 ng
RT: 7.428 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF140620.D
Acq: 25 Nov 2024 22:55

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

Tgt Ion: 82 Resp: 297146

Ion	Ratio	Lower	Upper
82	100		
128	41.0	33.0	49.4
54	49.2	39.5	59.3

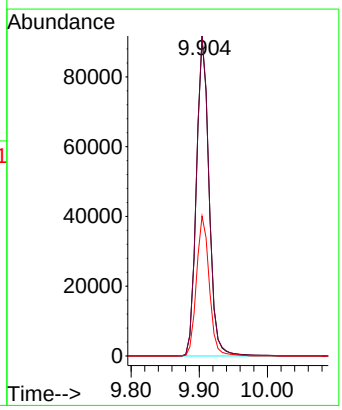


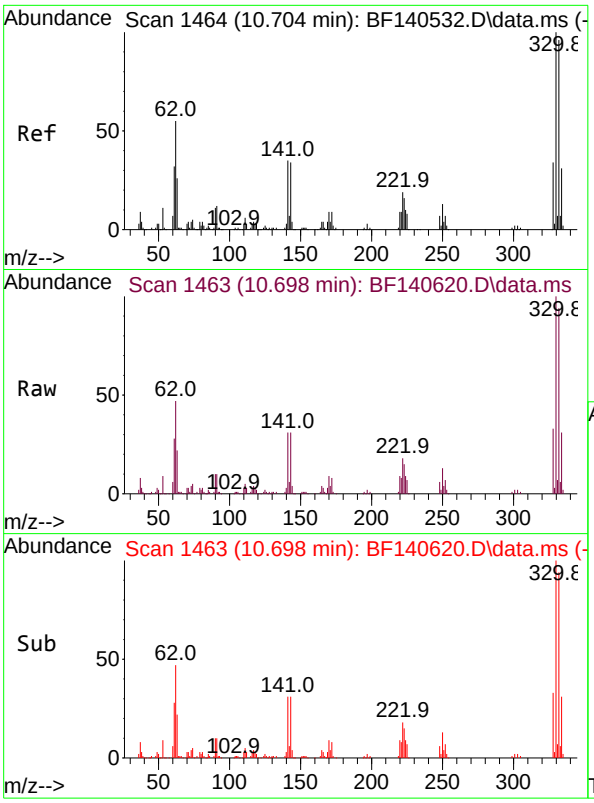


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140620.D
Acq: 25 Nov 2024 22:55

Tgt Ion:164 Resp: 117690

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	120.8
160	44.1	36.2	54.4



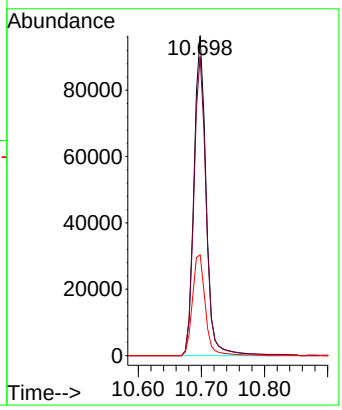


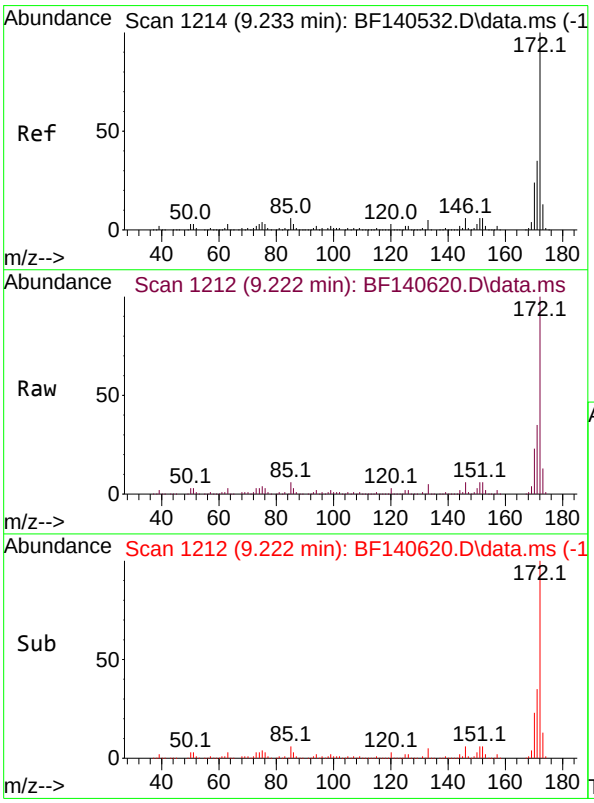
#42
2,4,6-Tribromophenol
Concen: 102.341 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140620.D
Acq: 25 Nov 2024 22:55

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

Tgt Ion:330 Resp: 128817

Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.9	115.3
141	33.6	26.7	40.1

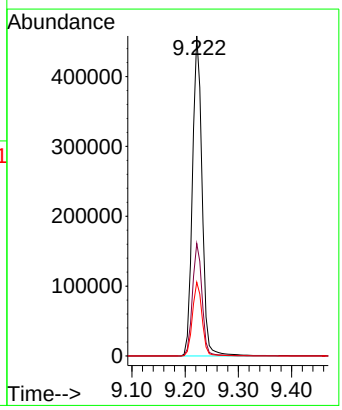


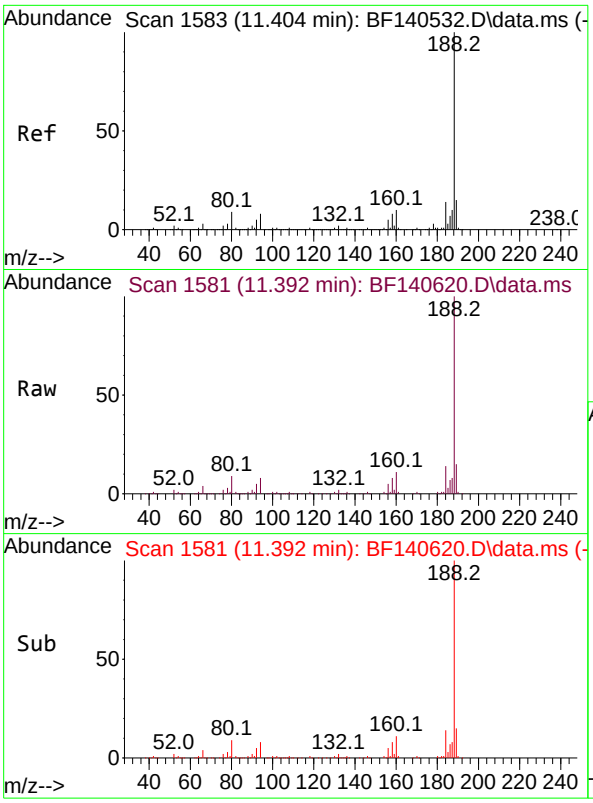


#45
2-Fluorobiphenyl
Concen: 73.245 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140620.D
Acq: 25 Nov 2024 22:55

Tgt Ion:172 Resp: 578560

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.4	42.6
170	23.1	19.0	28.6



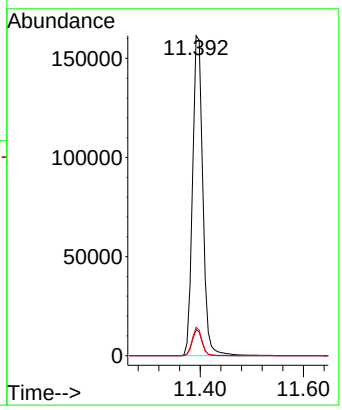


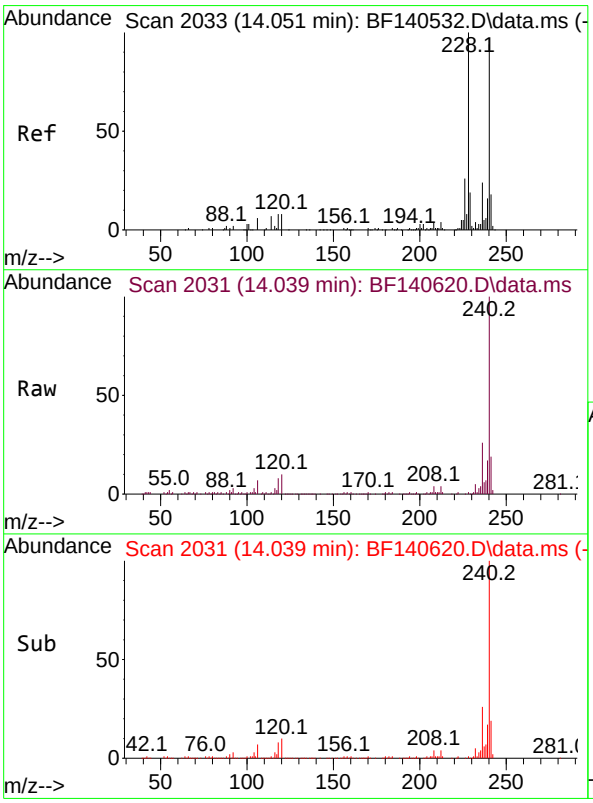
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140620.D
Acq: 25 Nov 2024 22:55

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

Tgt Ion:188 Resp: 222510

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.4	9.6
80	8.8	6.9	10.3

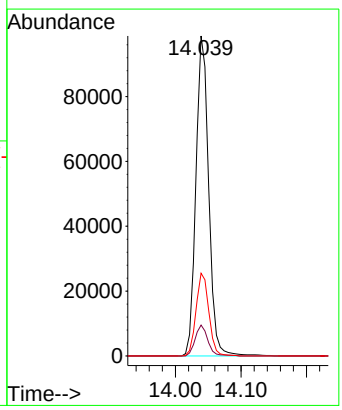


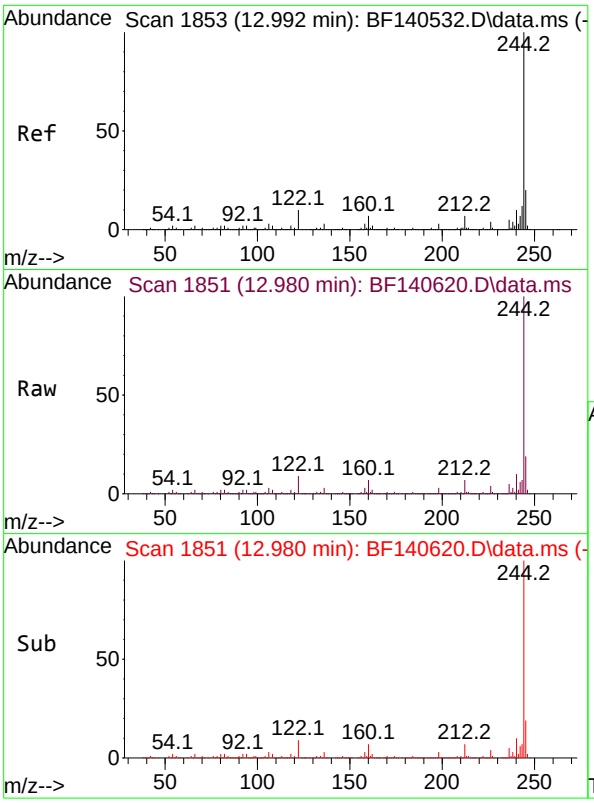


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF140620.D
Acq: 25 Nov 2024 22:55

Tgt Ion:240 Resp: 134073

Ion	Ratio	Lower	Upper
240	100		
120	9.7	7.3	10.9
236	25.8	20.6	31.0



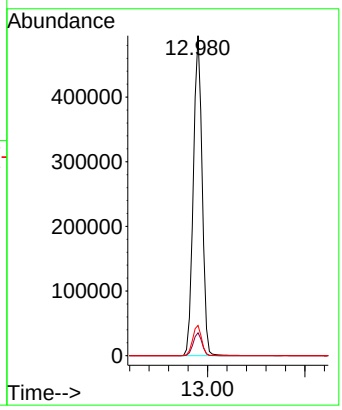


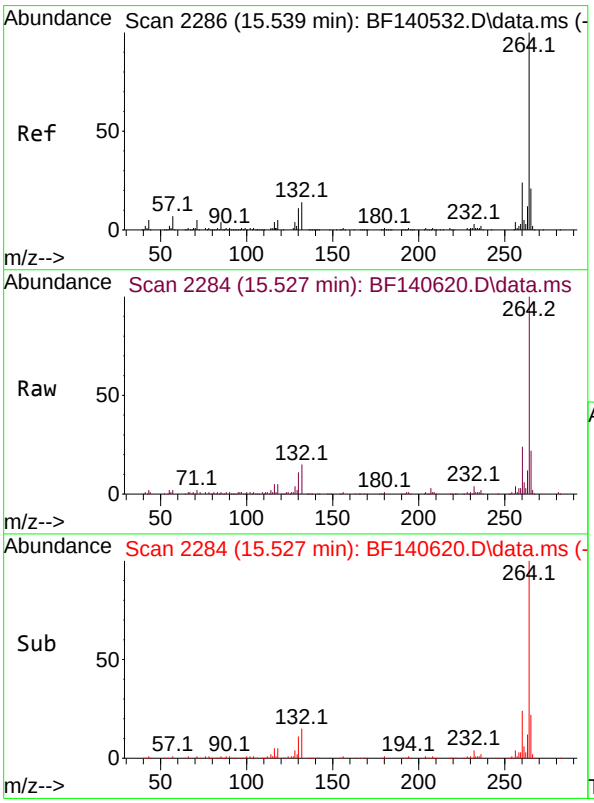
#79
Terphenyl-d14
Concen: 72.655 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140620.D
Acq: 25 Nov 2024 22:55

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

Tgt Ion:244 Resp: 625576

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	9.5	8.0	12.0

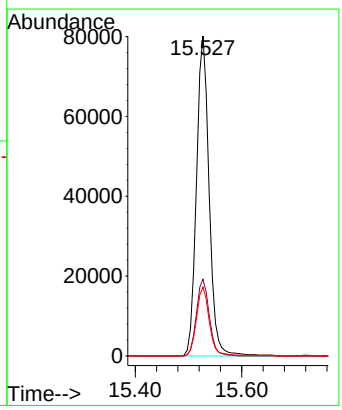




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. -0.012 min
Lab File: BF140620.D
Acq: 25 Nov 2024 22:55

Tgt Ion:264 Resp: 132029

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.6
265	21.6	16.6	25.0



Sample Results: **BF140620.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140620.D
Acq On : 25 Nov 2024 22:55
Operator : RC/JU
Sample : P4860-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

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-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140620.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.087	504	509	520	rVB	22559	36099	2.20%	0.339%
2	5.493	573	578	600	rVB	924959	1254838	76.62%	11.779%
3	6.504	744	750	773	rBV	994270	1311890	80.10%	12.314%
4	6.869	807	812	821	rVB	288392	347691	21.23%	3.264%
5	7.428	902	907	920	rBV	630832	837662	51.15%	7.863%
6	8.151	1025	1030	1044	rBV	322172	428766	26.18%	4.025%
7	9.222	1207	1212	1223	rBV	1320324	1637791	100.00%	15.373%
8	9.904	1323	1328	1341	rBV	380756	484671	29.59%	4.549%
9	10.616	1444	1449	1457	rBV	78372	102573	6.26%	0.963%
10	10.698	1457	1463	1478	rBV	705269	967229	59.06%	9.079%
11	11.392	1576	1581	1590	rBV	385162	524003	31.99%	4.919%
12	11.916	1665	1670	1679	rBV	57249	96158	5.87%	0.903%
13	12.980	1845	1851	1856	rBV	1293919	1636377	99.91%	15.360%
14	13.545	1943	1947	1954	rBV5	8211	17501	1.07%	0.164%
15	13.904	2000	2008	2021	rBV6	22435	95499	5.83%	0.896%
16	14.010	2022	2026	2027	rVV	25739	30634	1.87%	0.288%
17	14.039	2027	2031	2048	rVB	277010	387992	23.69%	3.642%
18	14.880	2170	2174	2181	rVB	34165	47016	2.87%	0.441%
19	15.145	2216	2219	2225	rVB	14813	20609	1.26%	0.193%
20	15.527	2278	2284	2293	rBV	217145	348691	21.29%	3.273%
21	16.427	2433	2437	2445	rBV8	21896	39657	2.42%	0.372%

Sum of corrected areas: 10653347

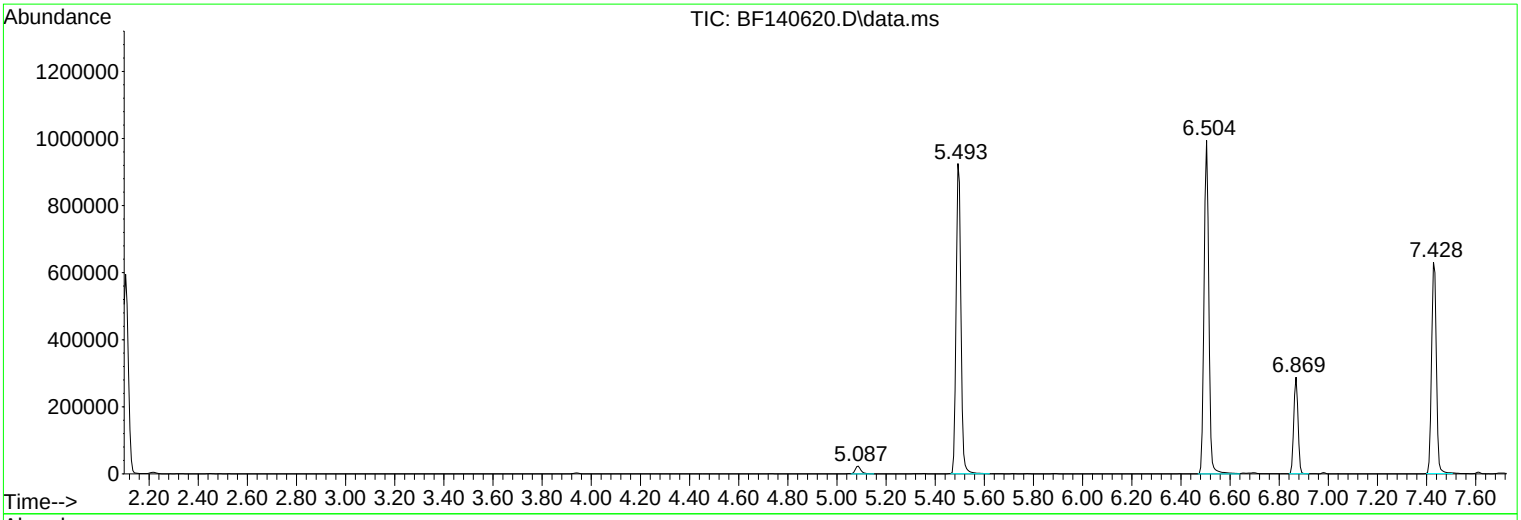
Sample Results: **BF140620.D**

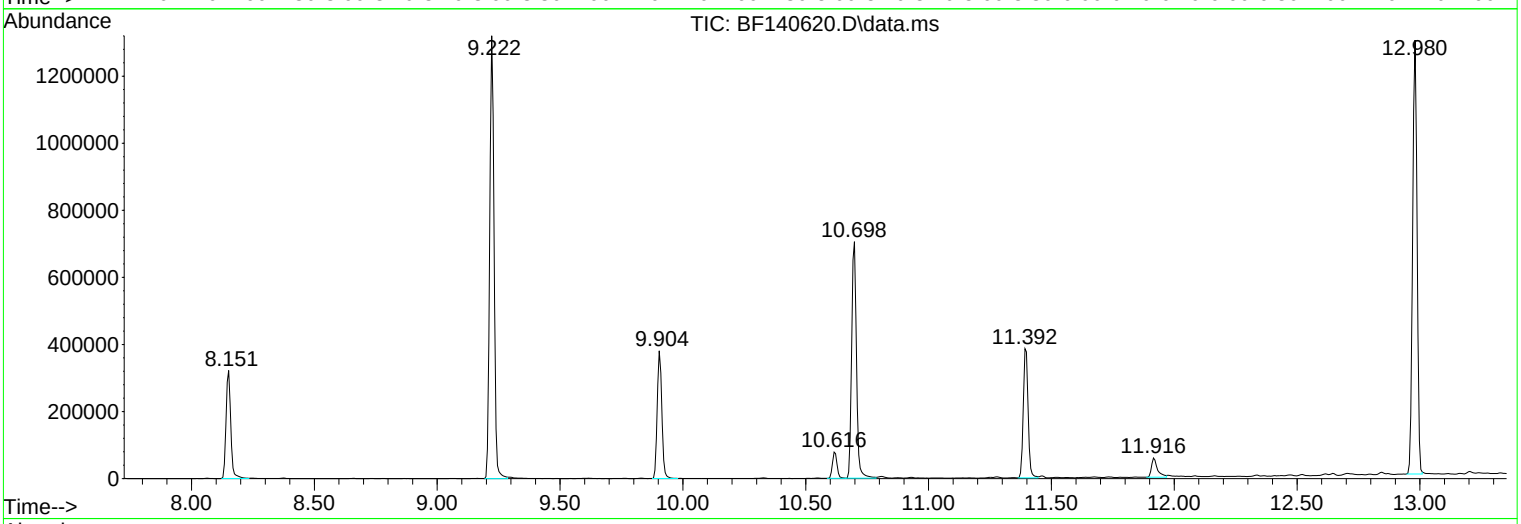
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140620.D
Acq On : 25 Nov 2024 22:55
Operator : RC/JU
Sample : P4860-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

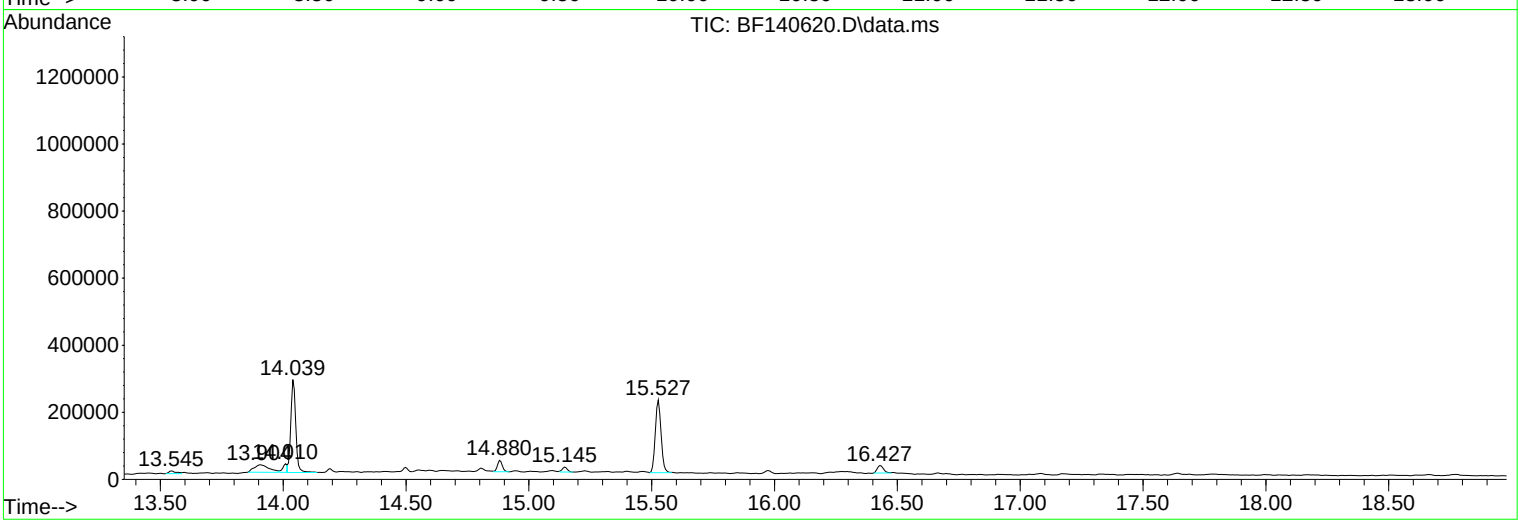
Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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\BF112524\
Data File : BF140620.D
Acq On : 25 Nov 2024 22:55
Operator : RC/JU
Sample : P4860-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

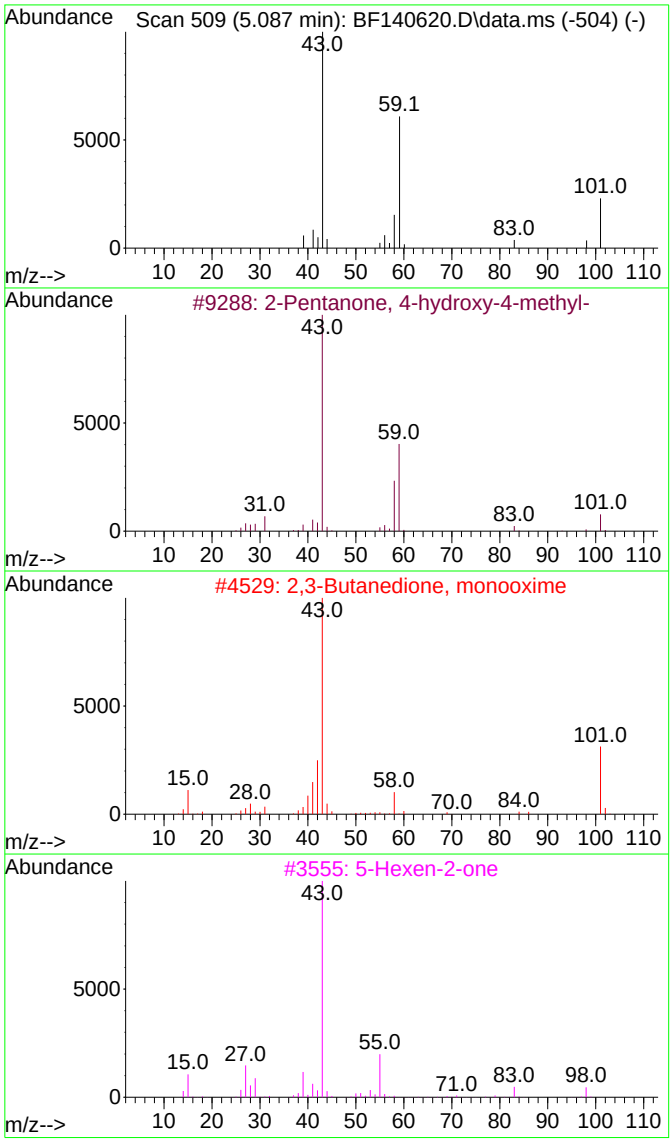
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

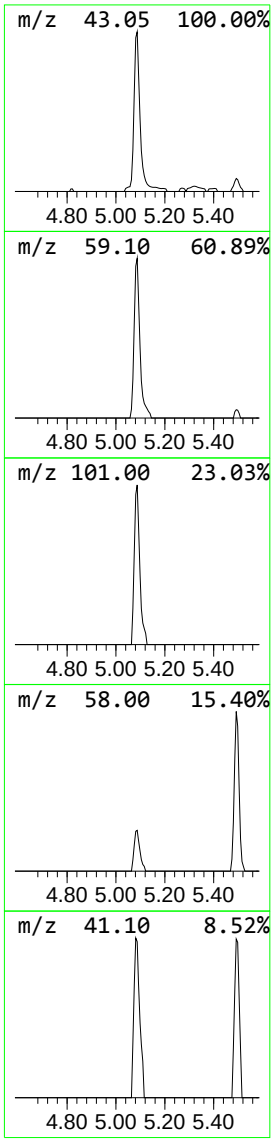
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.087	2.08 ng	36099	1,4-Dichlorobenzene-d4	6.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	32
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	3-Octanol	130	C8H18O	000589-98-0	9
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140620.D
Acq On : 25 Nov 2024 22:55
Operator : RC/JU
Sample : P4860-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

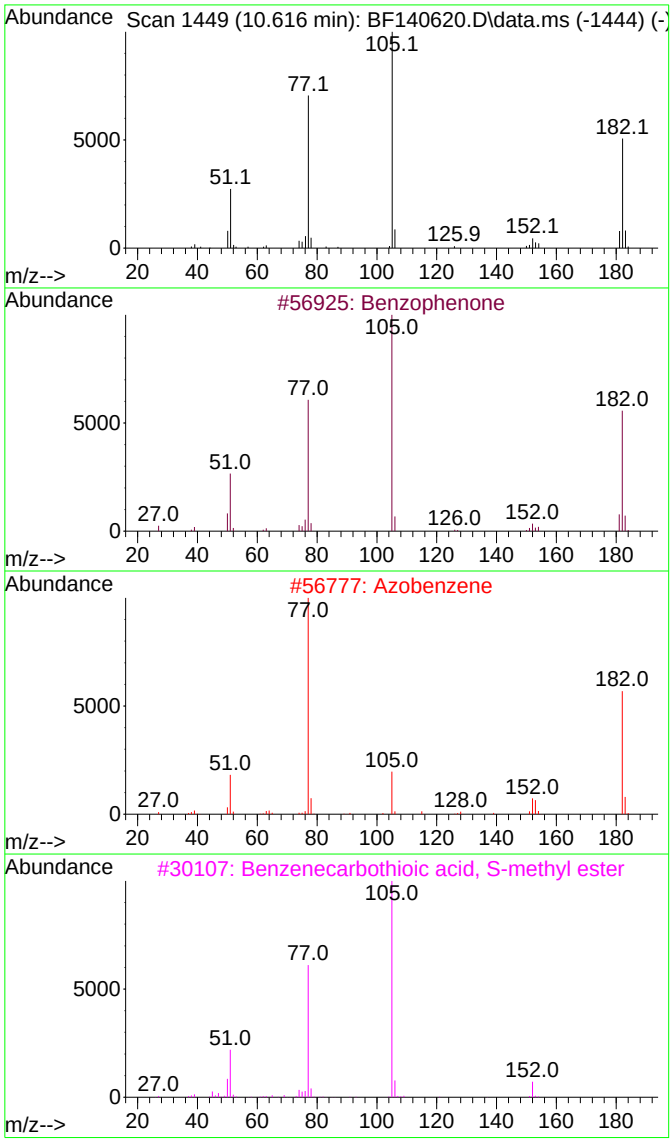
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

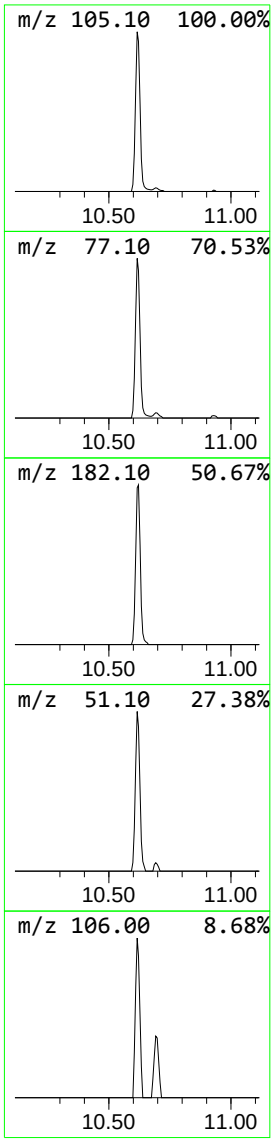
****

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	4.23 ng	102573	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	59
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	52
4	2-Phenyl-4-ethylidene-2-oxazolin...	187	C11H9NO2	037791-41-6	47
5	N-Methylbenzamide, N-pentafluoro...	281	C11H8F5NO2	1000446-98-1	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140620.D
Acq On : 25 Nov 2024 22:55
Operator : RC/JU
Sample : P4860-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

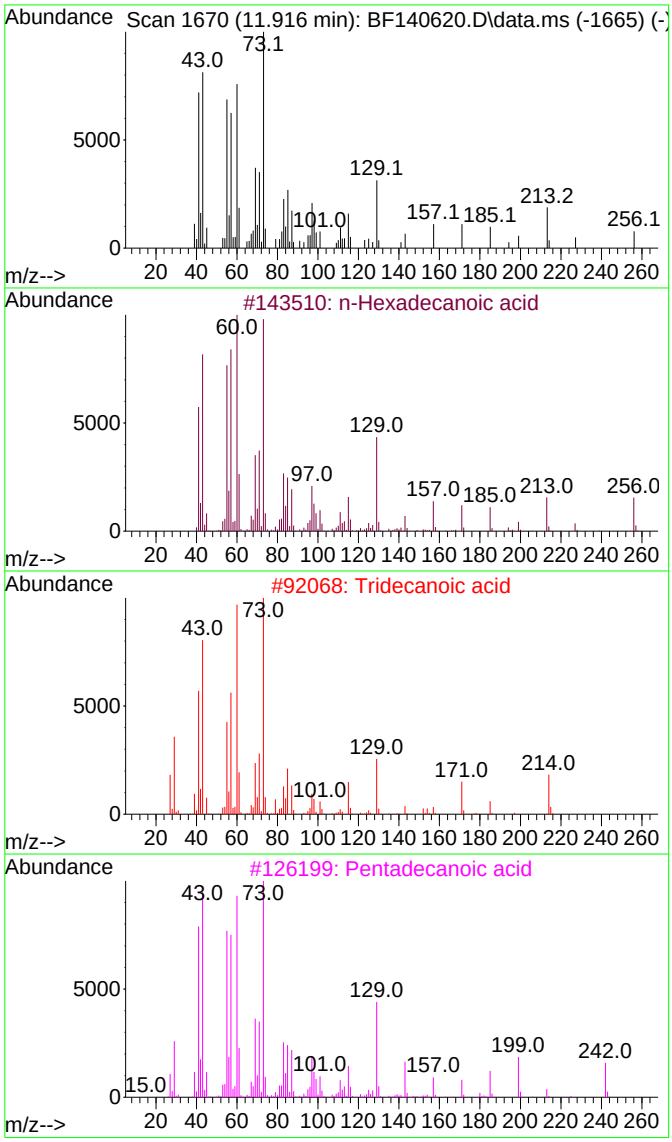
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

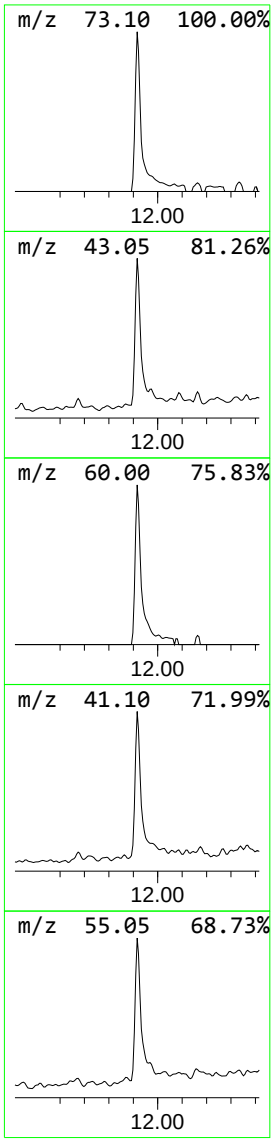
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	3.67 ng	96158	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tridecanoic acid	214	C13H26O2	000638-53-9	90
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5	n-Decanoic acid	172	C10H20O2	000334-48-5	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140620.D
Acq On : 25 Nov 2024 22:55
Operator : RC/JU
Sample : P4860-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

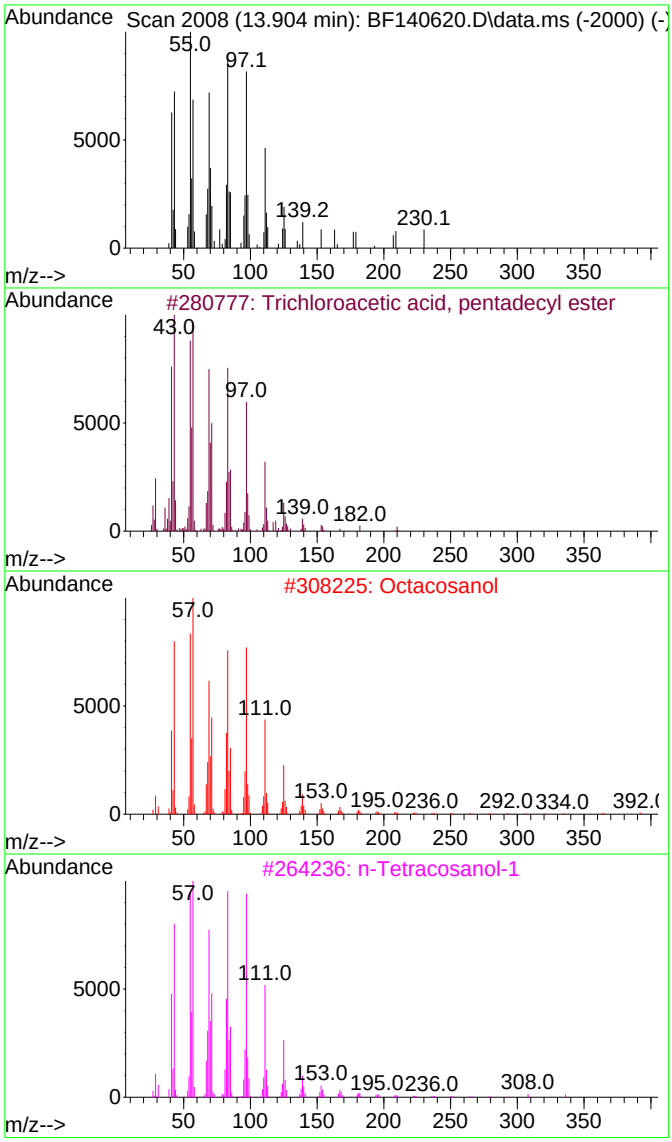
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

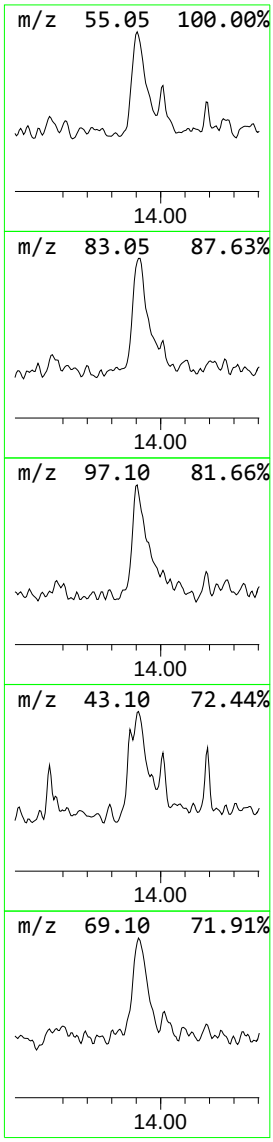
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Trichloroacetic acid, penta... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	4.92 ng	95499	Chrysene-d12	14.039

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	90
2	Octacosanol	410	C28H58O	000557-61-9	87
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	87
4	1-Tetracosene	336	C24H48	010192-32-2	87
5	1-Docosene	308	C22H44	001599-67-3	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140620.D
Acq On : 25 Nov 2024 22:55
Operator : RC/JU
Sample : P4860-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

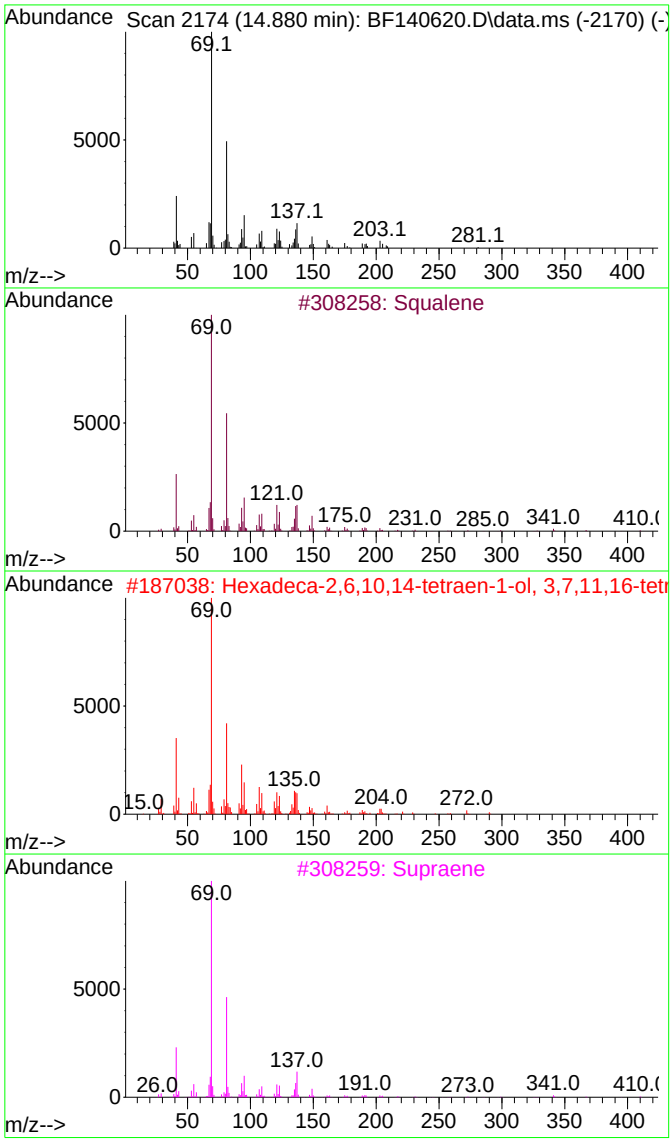
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

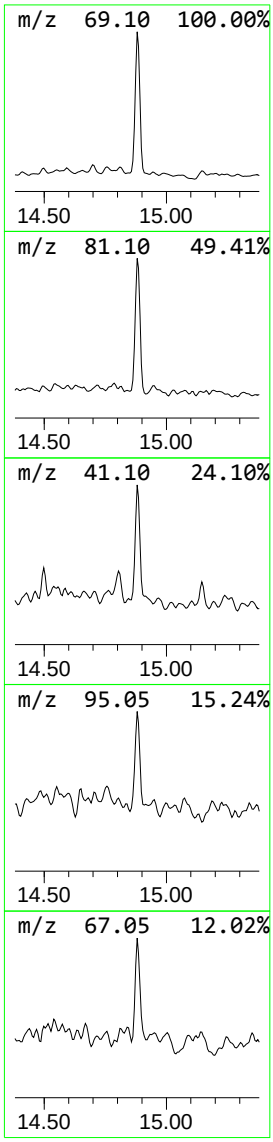
****

Peak Number 5 Squalene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.880	2.70 ng	47016	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	90
2	Hexadeca-2,6,10,14-tetraen-1-ol,...	290	C20H34O	007614-21-3	83
3	Supraene	410	C30H50	007683-64-9	83
4	trans-Farnesol	222	C15H26O	000106-28-5	72
5	1,5,9-Undecatriene, 2,6,10-trime...	192	C14H24	062951-96-6	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140620.D
Acq On : 25 Nov 2024 22:55
Operator : RC/JU
Sample : P4860-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

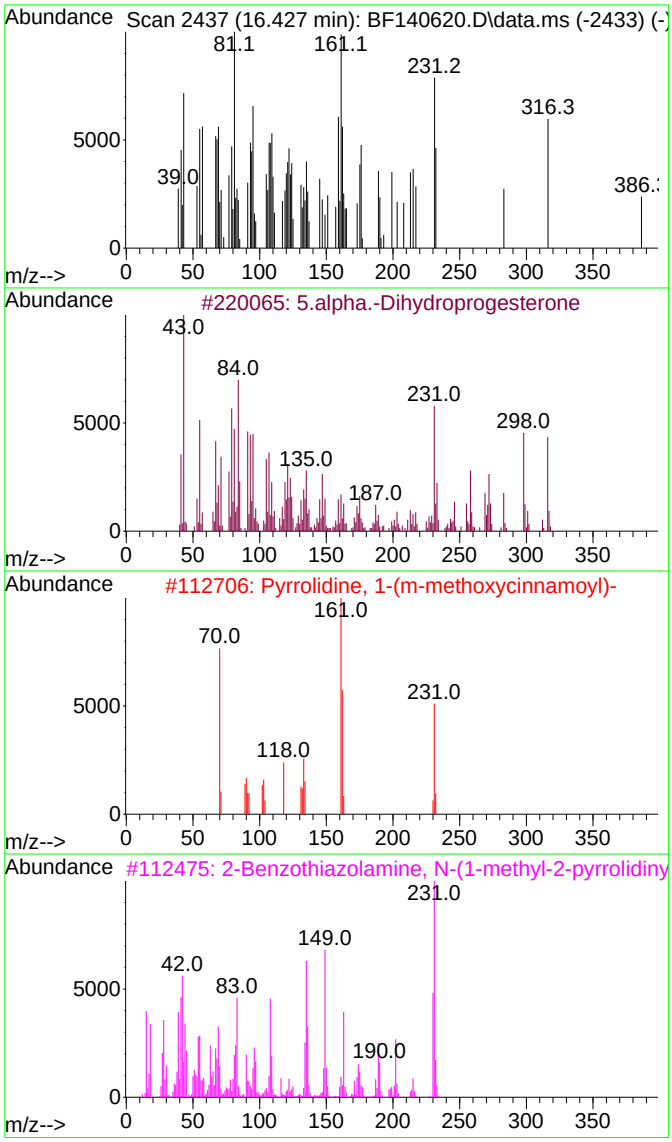
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

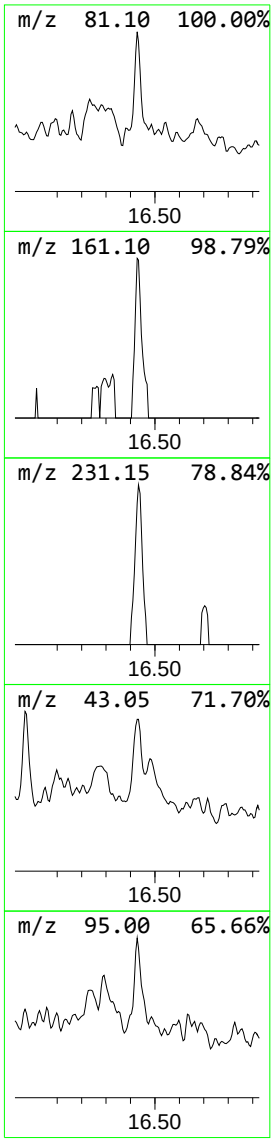
****

Peak Number 6 unknown16.427 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.427	2.27 ng	39657	Perylene-d12	15.527

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5.alpha.-Dihydroprogesterone	316	C21H32O2	000566-65-4	47
2	Pyrrolidine, 1-(m-methoxycinnamo...	231	C14H17NO2	029647-01-6	35
3	2-Benzothiazolamine, N-(1-methyl...	231	C12H13N3S	084859-07-4	25
4	Pregn-5-en-20-one, 3-hydroxy-	316	C21H32O2	038372-24-6	25
5	4-Methyl-2-(3-methyl-but-2-enyli...	176	C11H16N2	1000185-91-3	18





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140620.D
Acq On : 25 Nov 2024 22:55
Operator : RC/JU
Sample : P4860-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-003

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.087	2.1	ng	36099	1	6.869	347691	20.0
Benzophenone	10.616	4.2	ng	102573	3	9.904	484671	20.0
n-Hexadecanoic ...	11.916	3.7	ng	96158	4	11.392	524003	20.0
Trichloroacetic...	13.904	4.9	ng	95499	5	14.039	387992	20.0
Squalene	14.880	2.7	ng	47016	6	15.527	348691	20.0
unknown16.427	16.427	2.3	ng	39657	6	15.527	348691	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140579.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4860-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-004

Quant Time: Nov 22 16:39:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

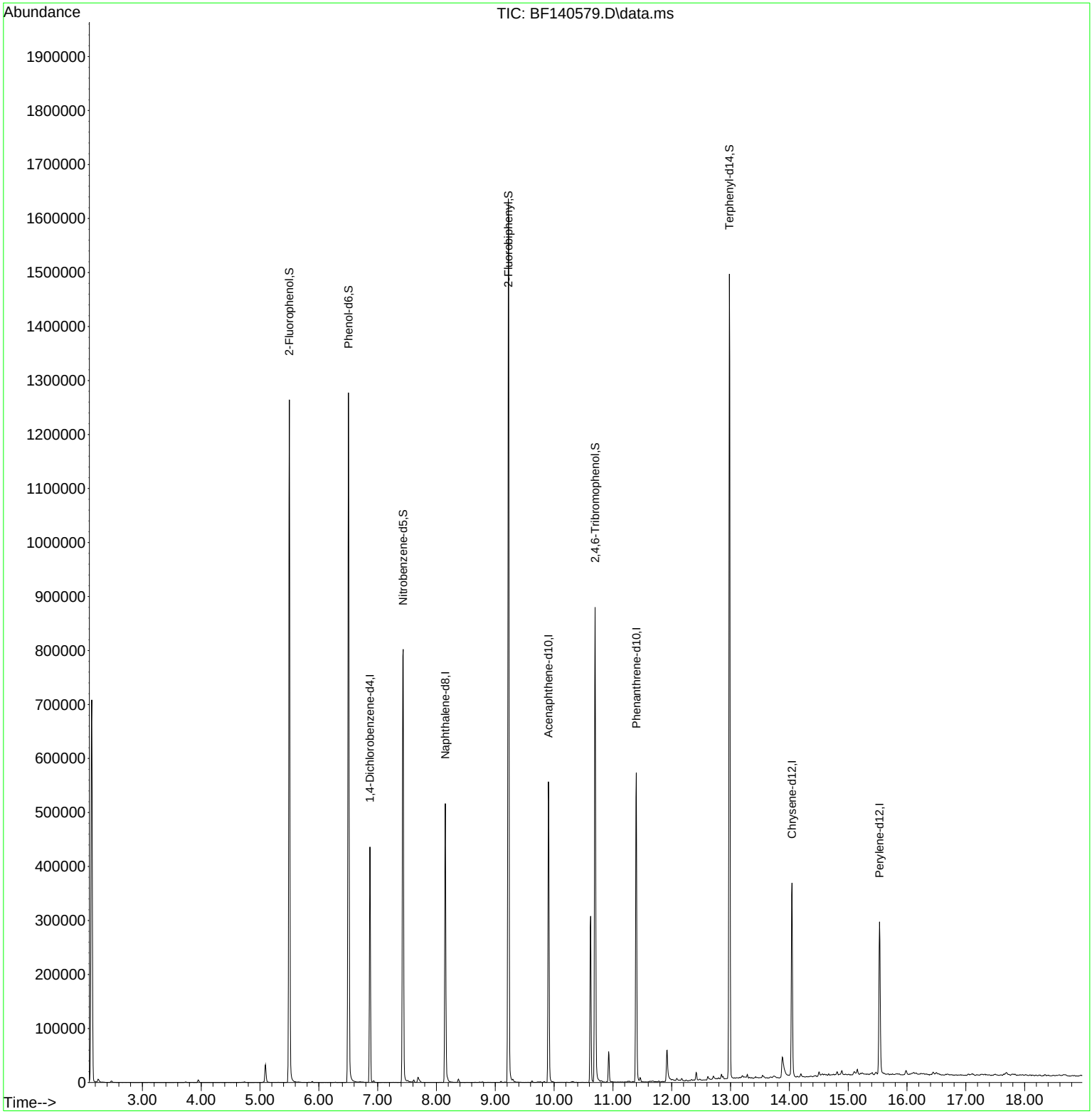
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	90927	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	332795	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	173346	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	323538	20.000	ng	0.00
76) Chrysene-d12	14.045	240	178379	20.000	ng	0.00
86) Perylene-d12	15.533	264	173467	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	465203	87.293	ng	0.00
7) Phenol-d6	6.504	99	595143	84.474	ng	-0.01
23) Nitrobenzene-d5	7.433	82	386935	59.472	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	152697	82.363	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	740960	63.687	ng	-0.01
79) Terphenyl-d14	12.980	244	728599	63.602	ng	-0.01
Target Compounds						Qvalue

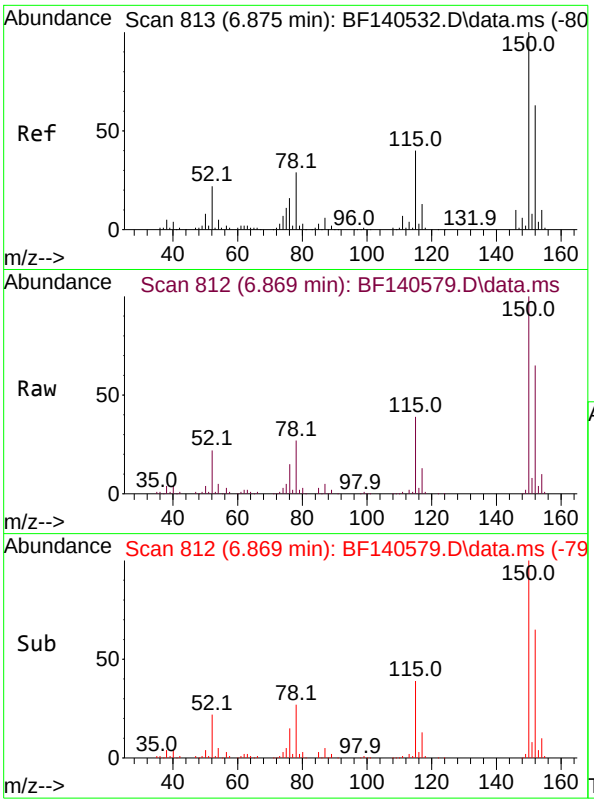
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140579.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4860-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-004

Quant Time: Nov 22 16:39:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



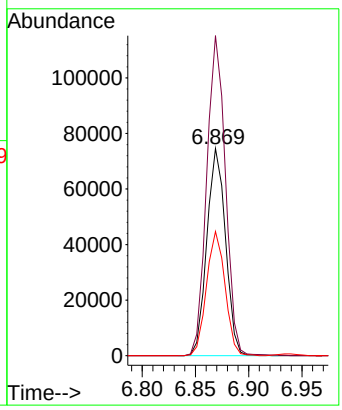


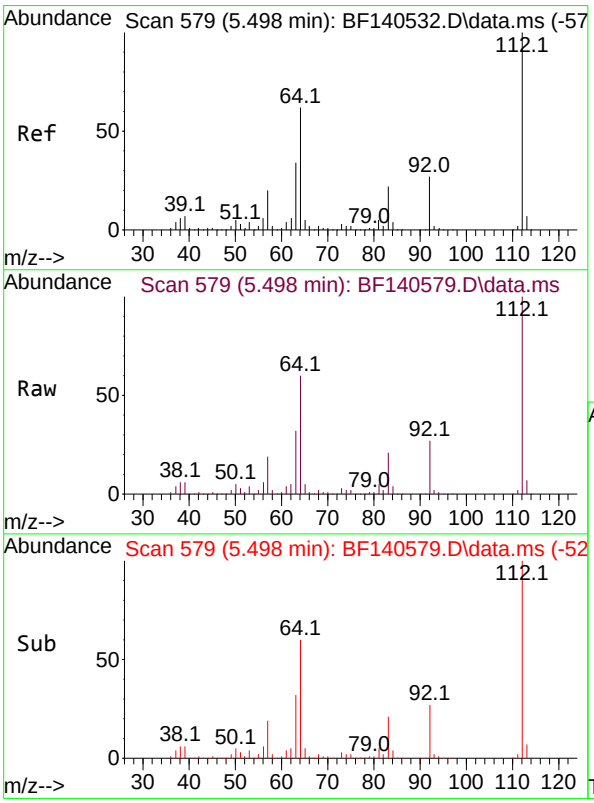
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140579.D
Acq: 22 Nov 2024 15:58

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-004

Tgt Ion:152 Resp: 90927

Ion	Ratio	Lower	Upper
152	100		
150	154.4	128.5	192.7
115	59.9	50.2	75.4

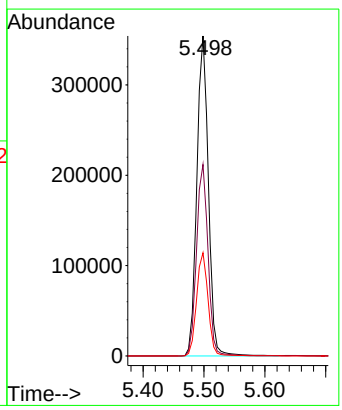


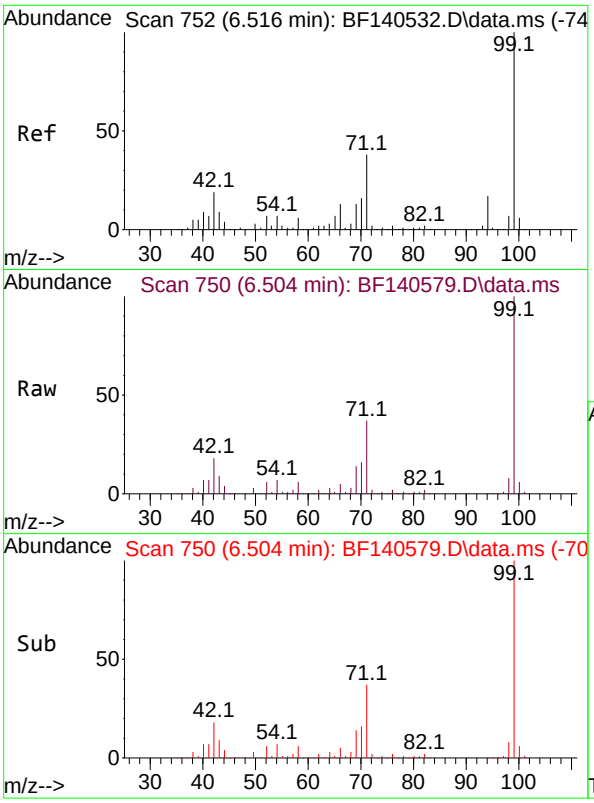


#5
2-Fluorophenol
Concen: 87.293 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF140579.D
Acq: 22 Nov 2024 15:58

Tgt Ion:112 Resp: 465203

Ion	Ratio	Lower	Upper
112	100		
64	59.9	49.2	73.8
63	32.2	27.0	40.4



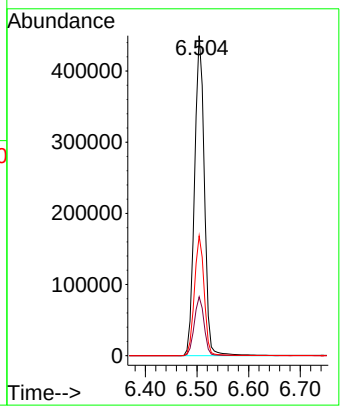


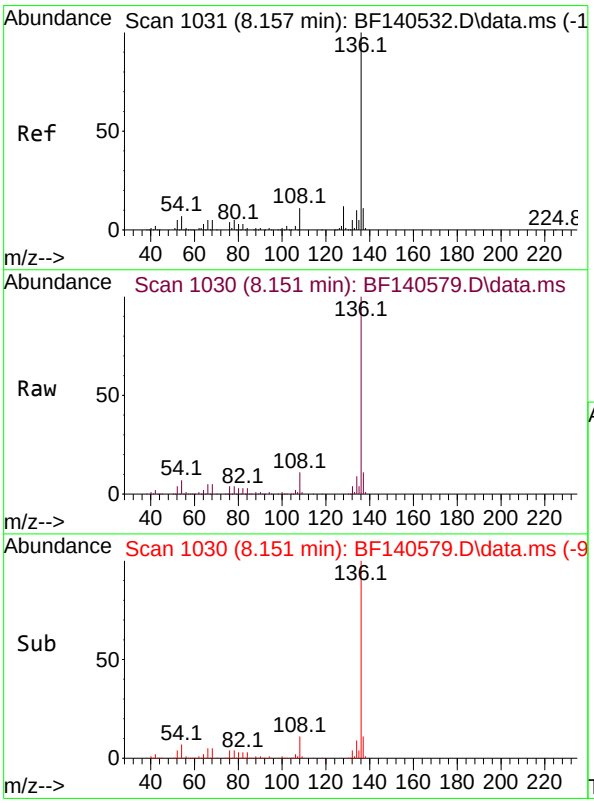
#7
Phenol-d6
Concen: 84.474 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF140579.D
Acq: 22 Nov 2024 15:58

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-004

Tgt Ion: 99 Resp: 595143

Ion	Ratio	Lower	Upper
99	100		
42	18.4	15.4	23.0
71	37.5	30.6	46.0

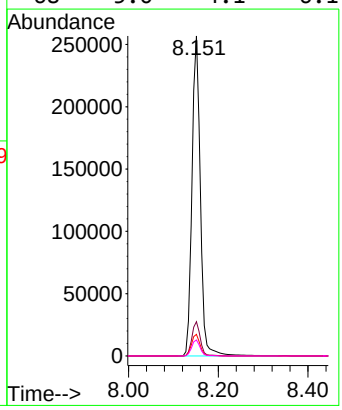


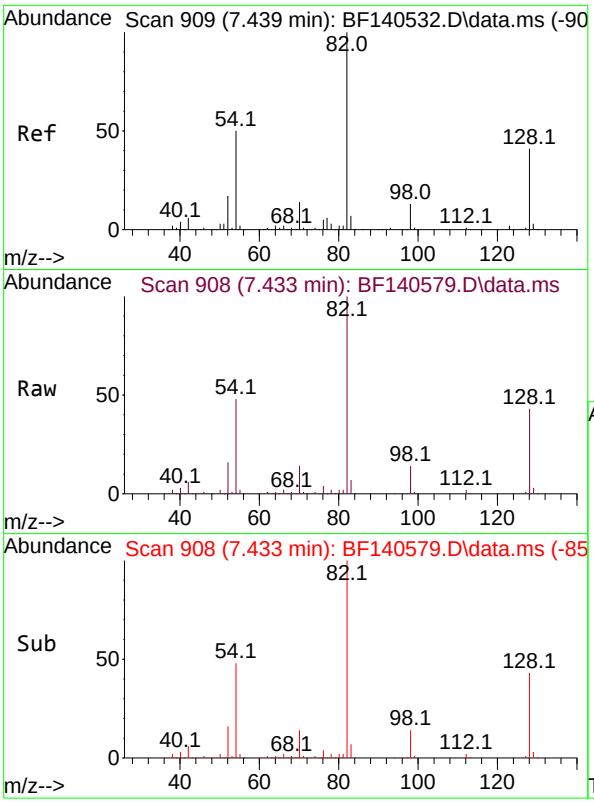


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140579.D
Acq: 22 Nov 2024 15:58

Tgt Ion:136 Resp: 332795

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	6.7	5.8	8.8
68	5.0	4.1	6.1



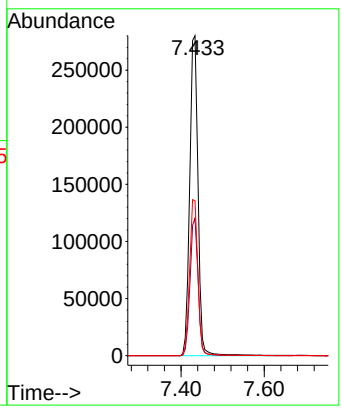


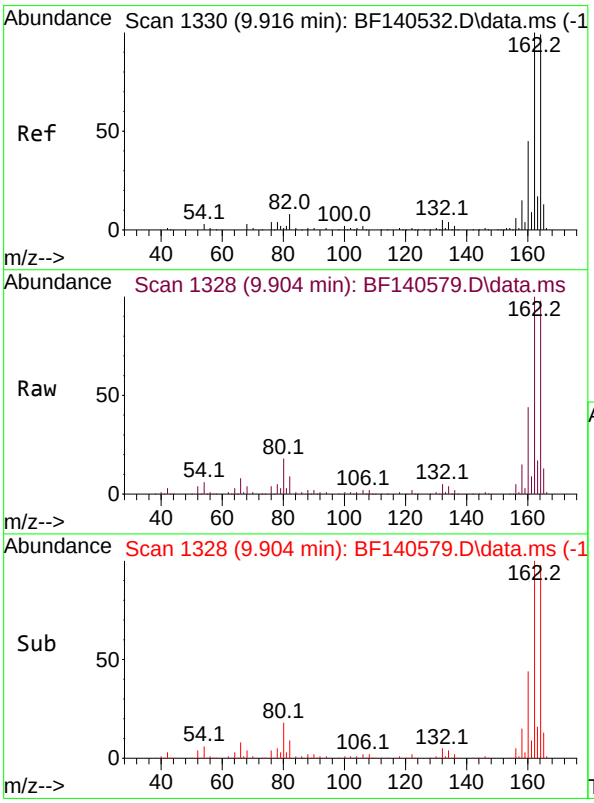
#23
Nitrobenzene-d5
Concen: 59.472 ng
RT: 7.433 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140579.D
Acq: 22 Nov 2024 15:58

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-004

Tgt Ion: 82 Resp: 386935

Ion	Ratio	Lower	Upper
82	100		
128	42.9	33.0	49.4
54	48.4	39.5	59.3

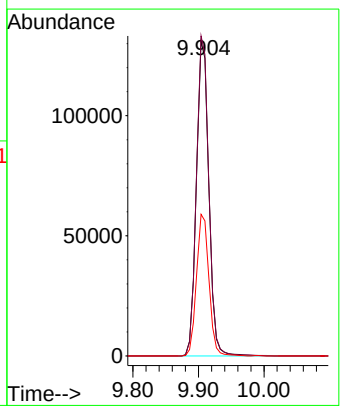


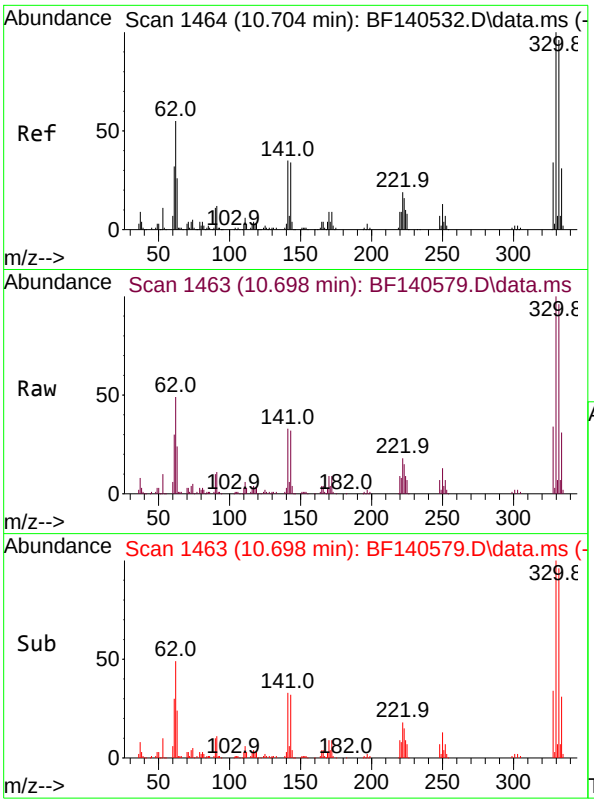


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140579.D
Acq: 22 Nov 2024 15:58

Tgt Ion:164 Resp: 173346

Ion	Ratio	Lower	Upper
164	100		
162	101.7	80.6	120.8
160	45.0	36.2	54.4



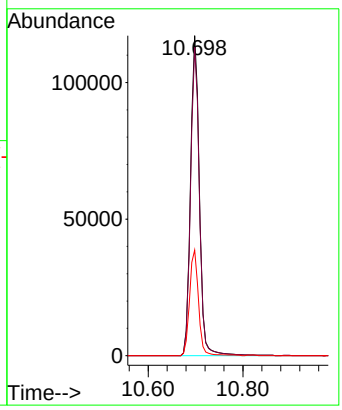


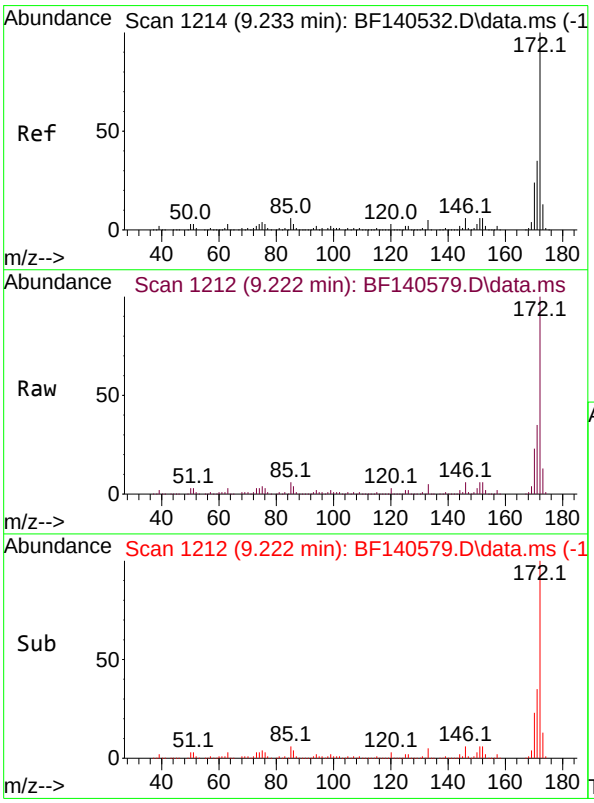
#42
2,4,6-Tribromophenol
Concen: 82.363 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140579.D
Acq: 22 Nov 2024 15:58

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-004

Tgt Ion:330 Resp: 152697

Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.9	115.3
141	33.3	26.7	40.1

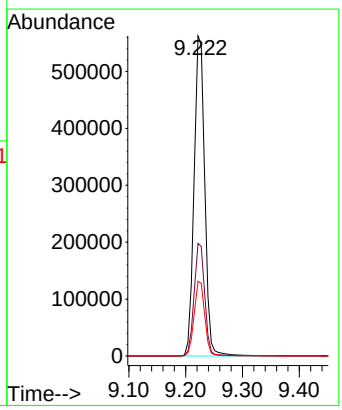


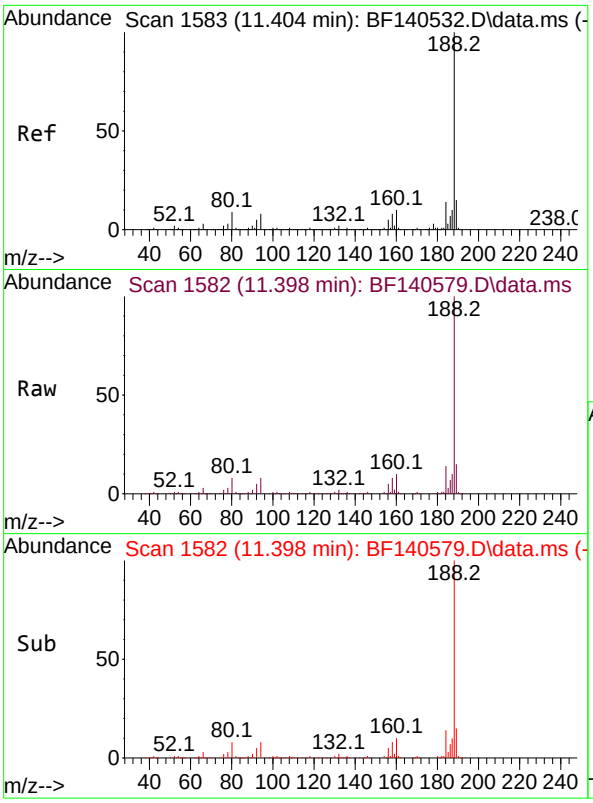


#45
2-Fluorobiphenyl
Concen: 63.687 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140579.D
Acq: 22 Nov 2024 15:58

Tgt Ion:172 Resp: 740960

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.4	42.6
170	23.4	19.0	28.6



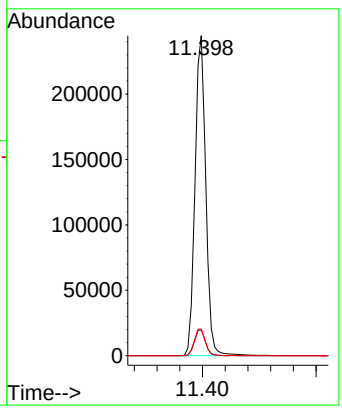


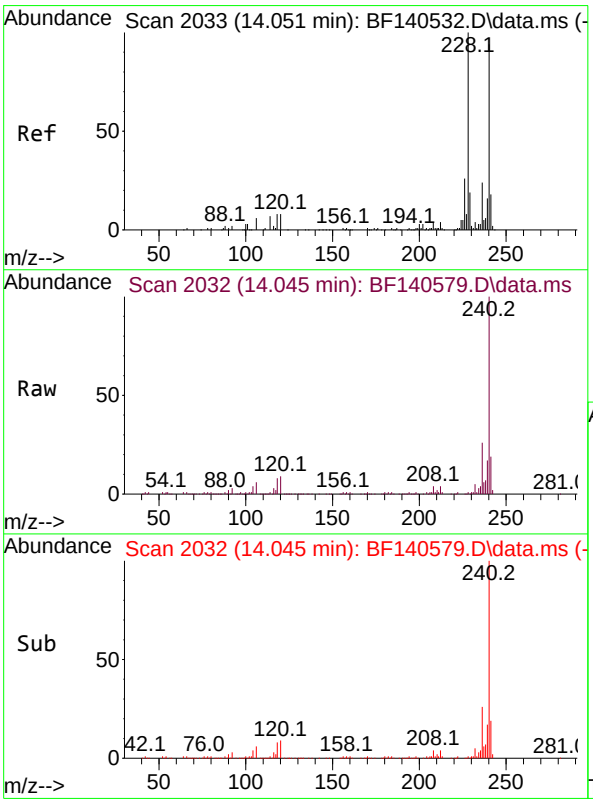
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140579.D
Acq: 22 Nov 2024 15:58

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-004

Tgt Ion:188 Resp: 323538

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.4	9.6
80	8.4	6.9	10.3

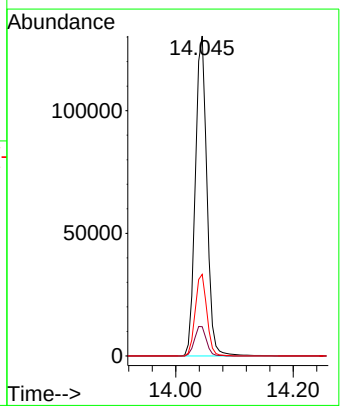


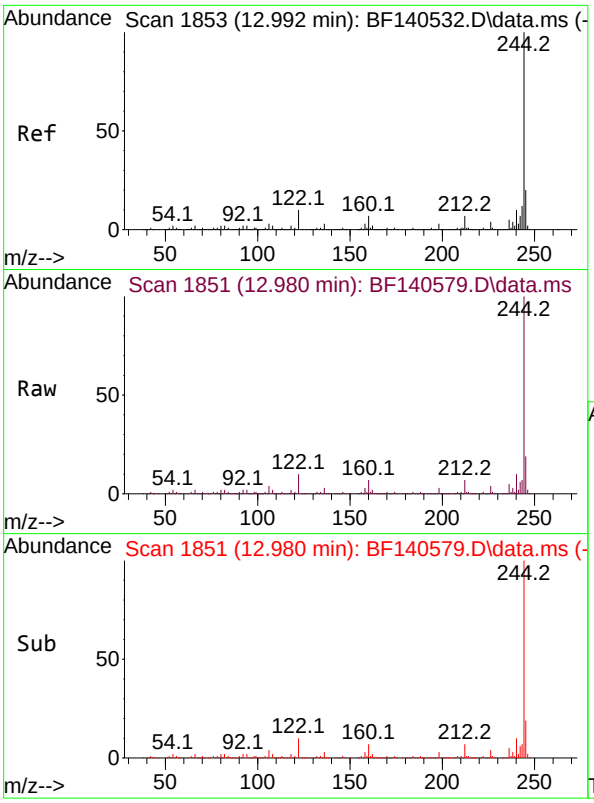


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140579.D
Acq: 22 Nov 2024 15:58

Tgt Ion:240 Resp: 178379

Ion	Ratio	Lower	Upper
240	100		
120	9.2	7.3	10.9
236	25.5	20.6	31.0



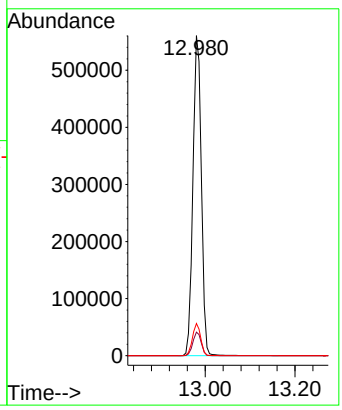


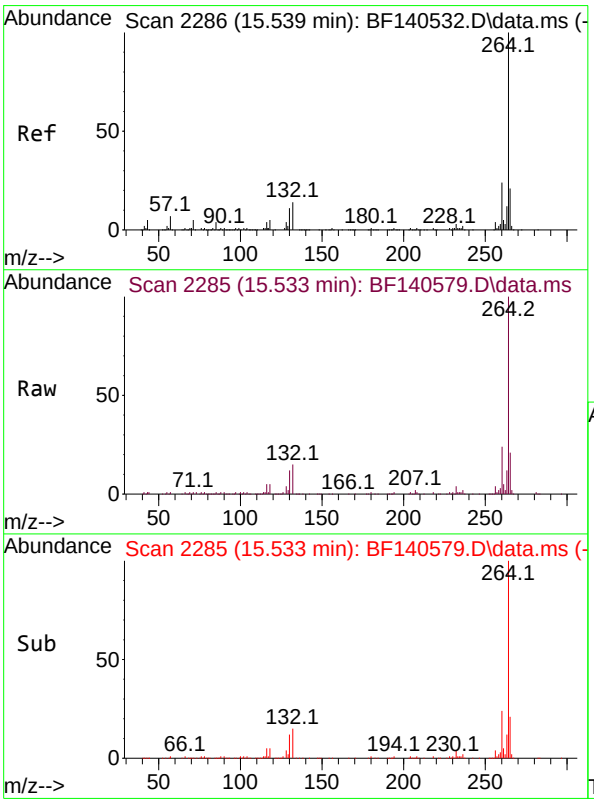
#79
Terphenyl-d14
Concen: 63.602 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140579.D
Acq: 22 Nov 2024 15:58

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-004

Tgt Ion:244 Resp: 728599

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.8
122	10.1	8.0	12.0

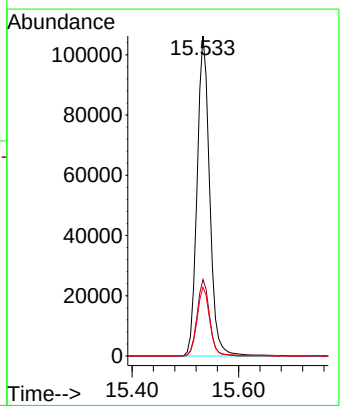




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF140579.D
Acq: 22 Nov 2024 15:58

Tgt Ion:264 Resp: 173467

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.6
265	21.5	16.6	25.0



Sample Results: **BF140579.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140579.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4860-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-004

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-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140579.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.140	3	8	20	rVB	707599	1103213	52.21%	7.313%
2	5.092	505	510	528	rVB	32758	51929	2.46%	0.344%
3	5.498	573	579	595	rBV	1264340	1653146	78.23%	10.959%
4	6.504	744	750	775	rBV	1277387	1701092	80.50%	11.277%
5	6.869	807	812	817	rBV	436223	527129	24.95%	3.494%
6	7.433	902	908	918	rBV	802147	1091626	51.66%	7.237%
7	8.151	1025	1030	1043	rBV	516142	661196	31.29%	4.383%
8	9.222	1207	1212	1223	rBV	1636169	2113056	100.00%	14.008%
9	9.904	1323	1328	1338	rBV	556974	727216	34.42%	4.821%
10	10.622	1445	1450	1458	rBV	307943	393829	18.64%	2.611%
11	10.698	1458	1463	1477	rVV	878509	1139149	53.91%	7.552%
12	10.927	1498	1502	1510	rVB	56202	69995	3.31%	0.464%
13	11.398	1576	1582	1590	rBV	572404	756935	35.82%	5.018%
14	11.921	1666	1671	1683	rBV	57751	105011	4.97%	0.696%
15	12.980	1846	1851	1863	rBV	1489582	1916845	90.71%	12.707%
16	13.880	1999	2004	2020	rBV2	37395	110142	5.21%	0.730%
17	14.045	2026	2032	2044	rVB	359717	502374	23.77%	3.330%
18	15.533	2279	2285	2303	rVB	282440	460815	21.81%	3.055%

Sum of corrected areas: 15084698

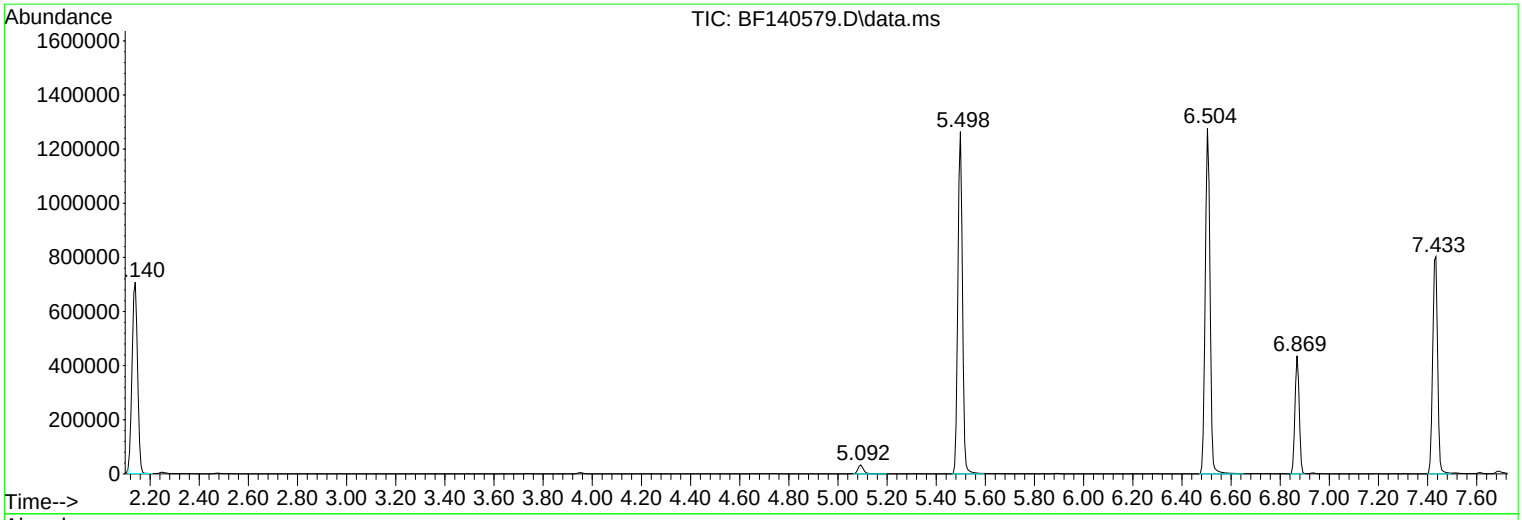
Sample Results: **BF140579.D**

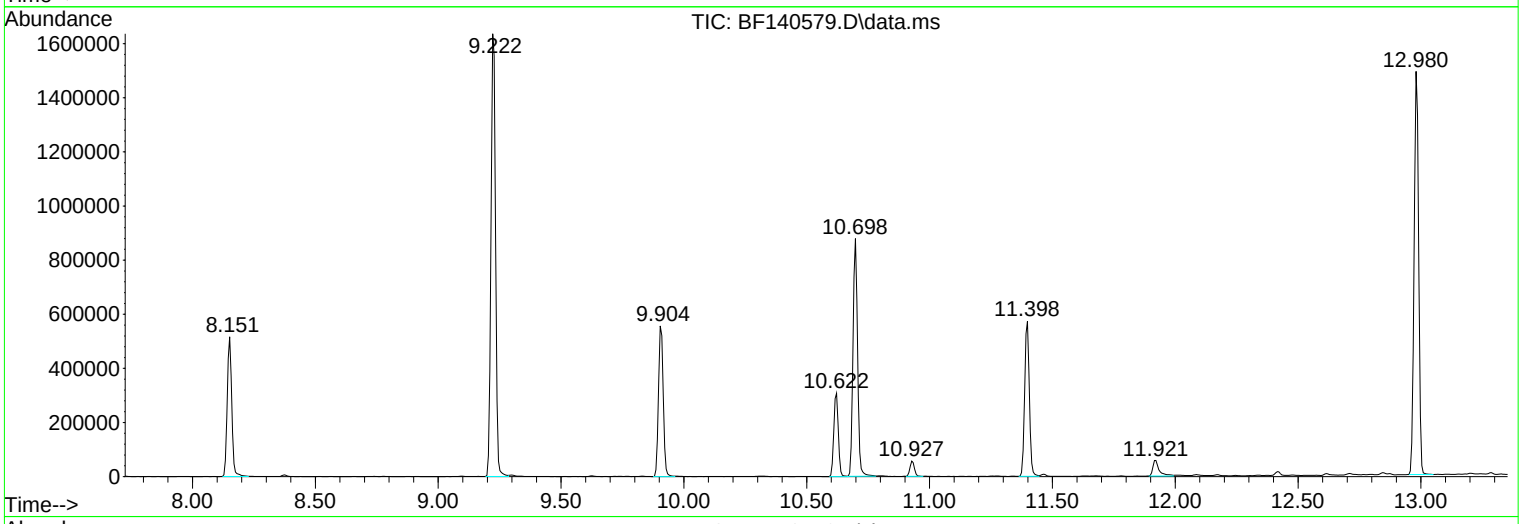
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140579.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4860-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

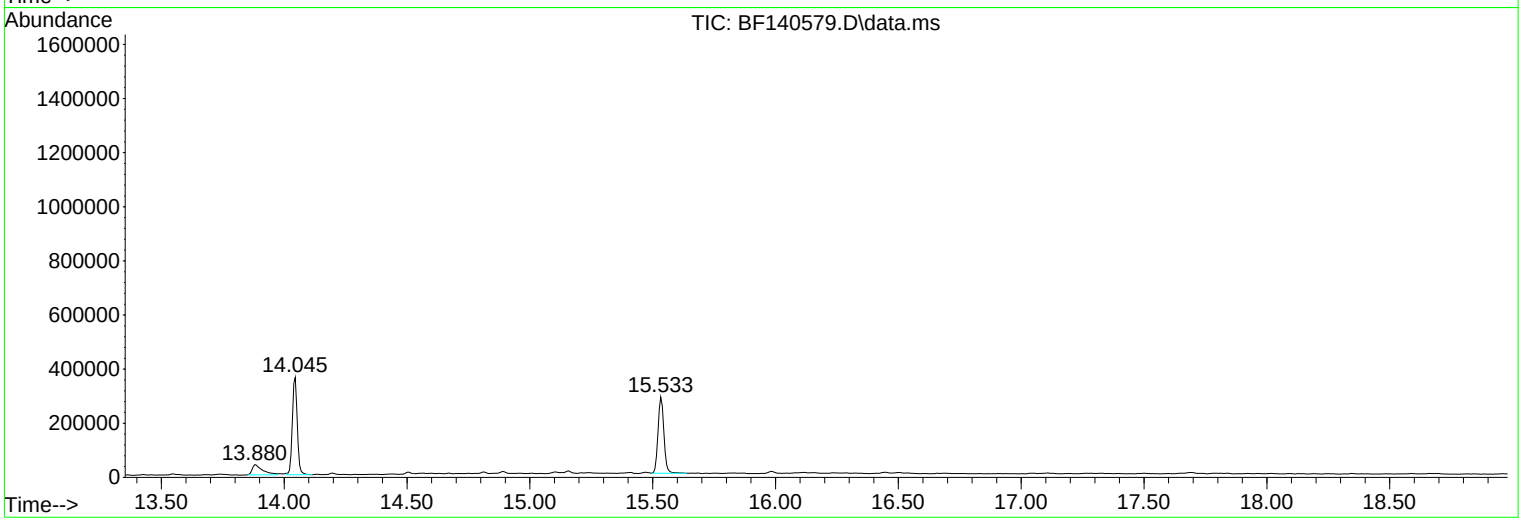
Instrument :
BNA_F
ClientSampleId :
PH2-BOT-004

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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\BF112224\
Data File : BF140579.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4860-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-004

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

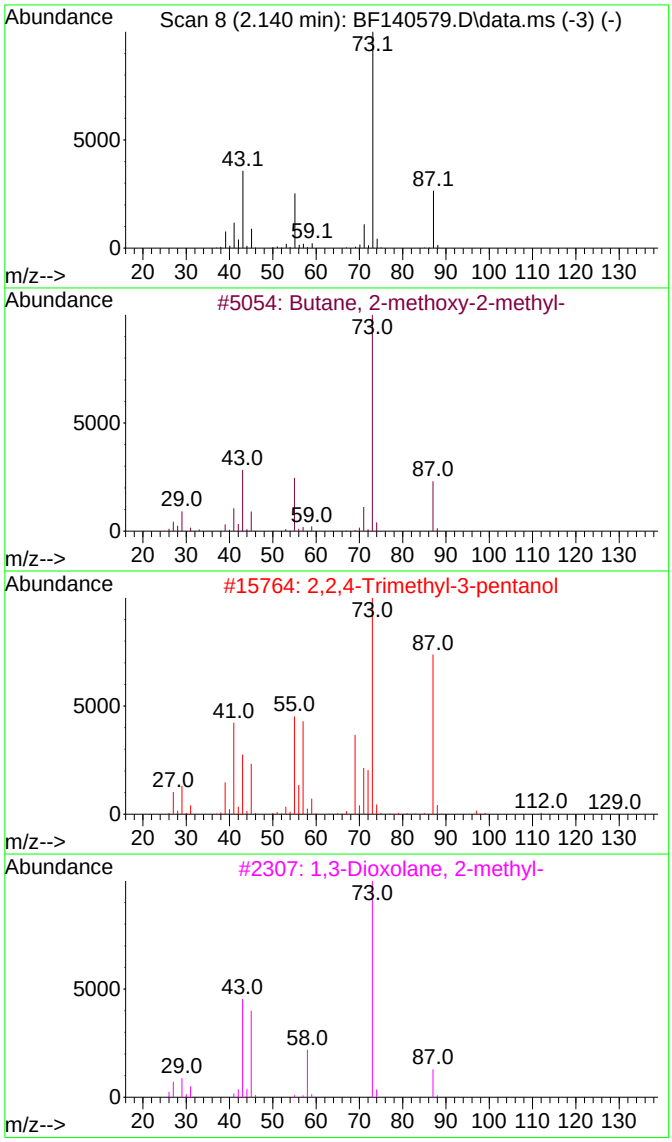
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

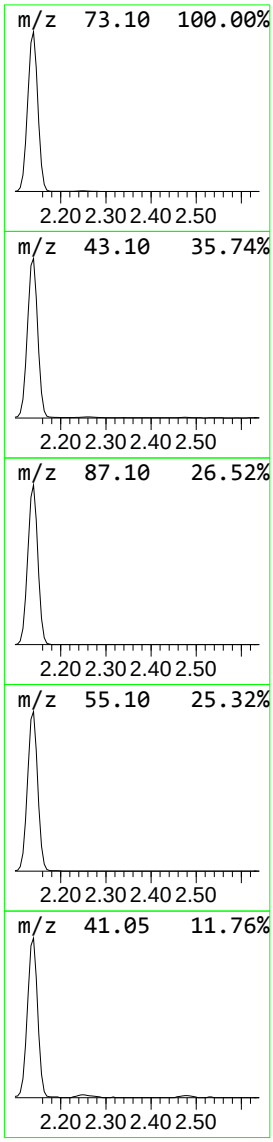
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.140	41.86 ng	1103210	1,4-Dichlorobenzene-d4	6.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140579.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4860-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-004

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

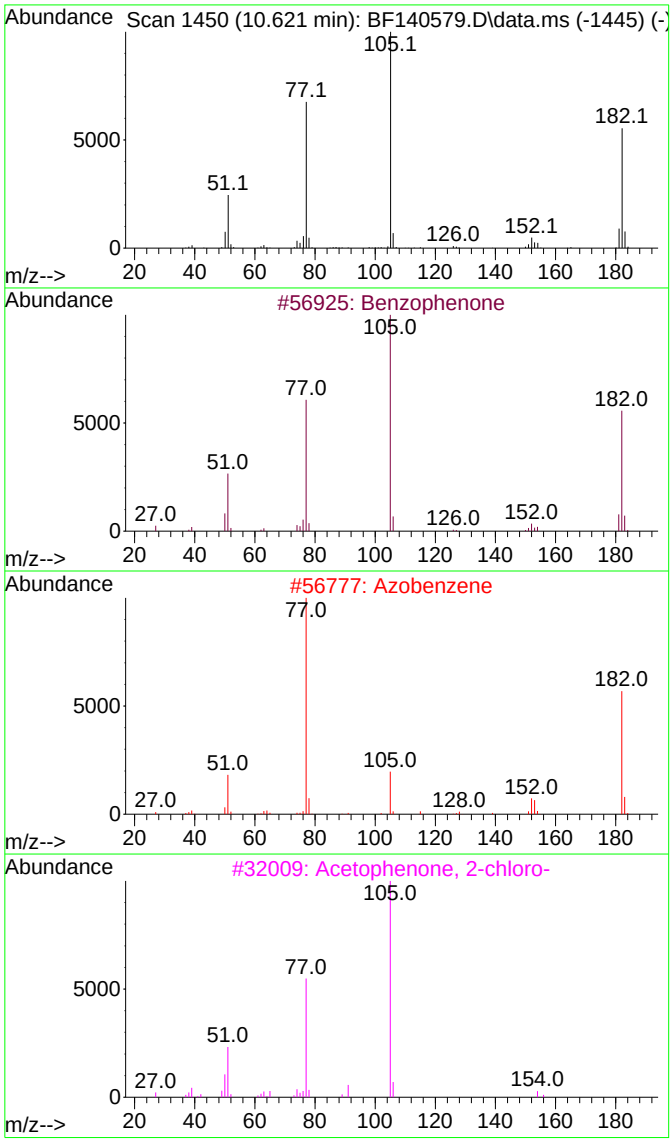
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

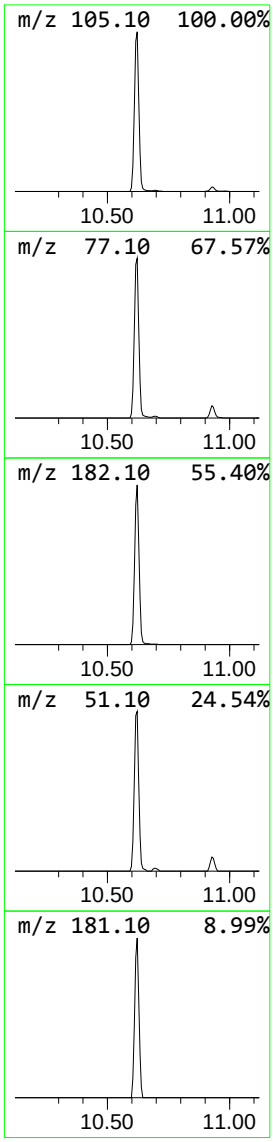
****

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.621	10.83 ng	393829	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	64
3	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	47
4	Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	47
5	Ethanone, 2,2,2-trifluoro-1-phenyl-	174	C8H5F3O	000434-45-7	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140579.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4860-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-004

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

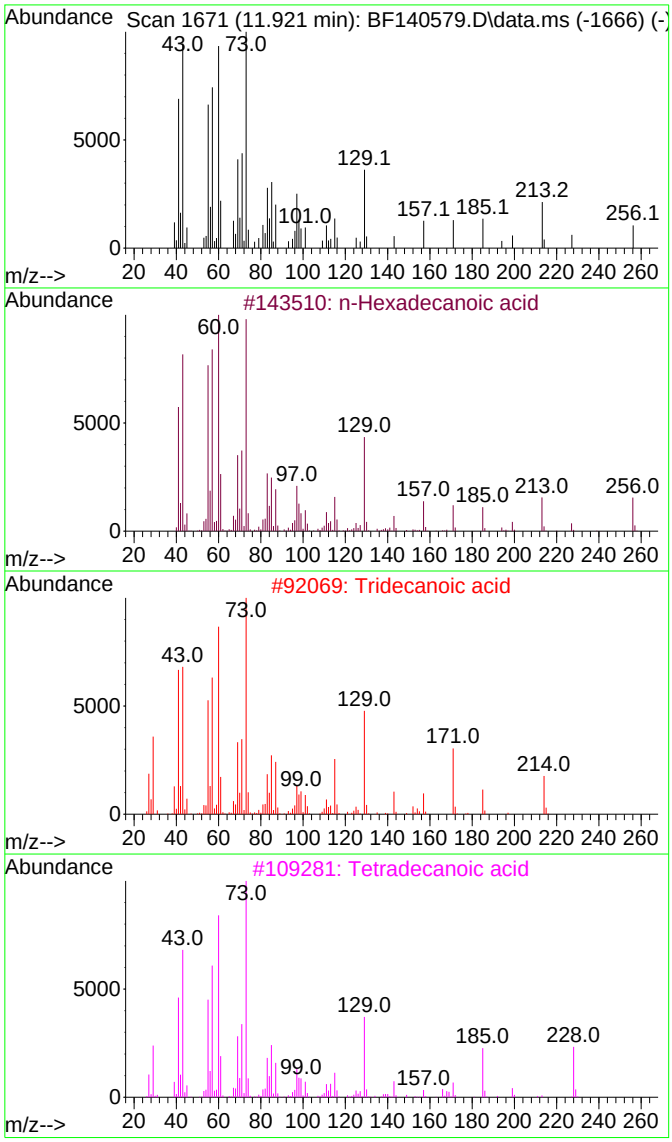
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

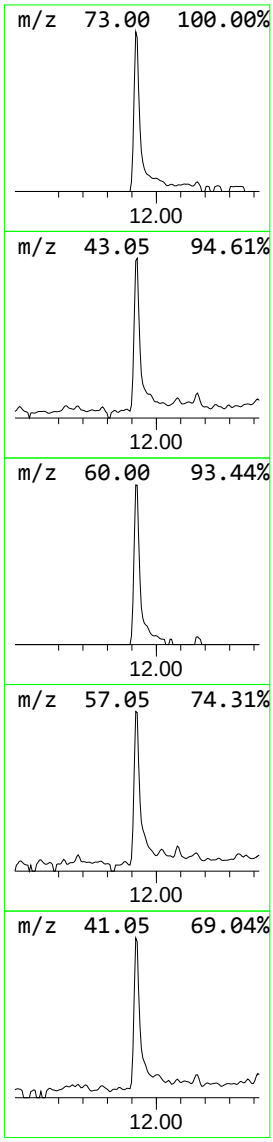
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.921	2.77 ng	105011	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tridecanoic acid	214	C13H26O2	000638-53-9	89
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	68
5	Oxalic acid, allyl hexadecyl ester	354	C21H38O4	1000309-24-4	20





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140579.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4860-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-004

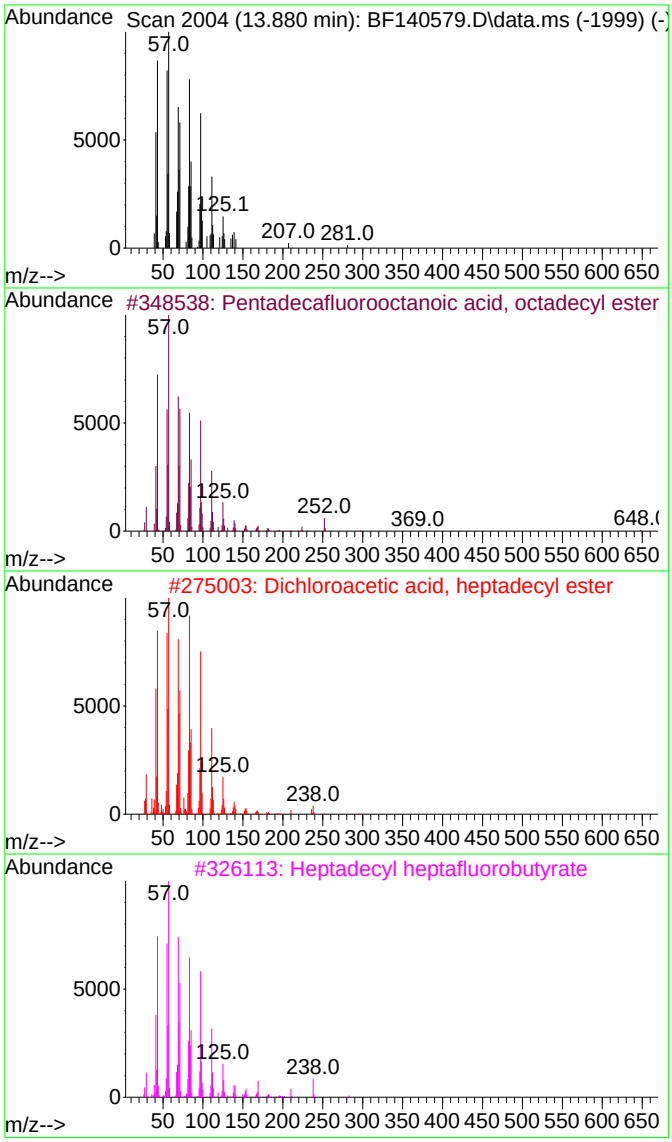
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

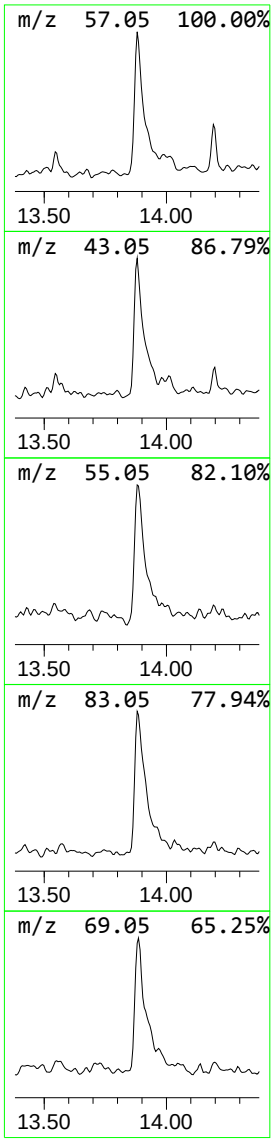
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Pentadecafluorooctanoic aci... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.880	4.38 ng	110142	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	95
2	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	95
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	93
4	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	91
5	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140579.D
Acq On : 22 Nov 2024 15:58
Operator : RC/JU
Sample : P4860-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-004

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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...	2.140	41.9	ng	1103210	1	6.869	527129	20.0
Benzophenone	10.621	10.8	ng	393829	3	9.904	727216	20.0
n-Hexadecanoic ...	11.921	2.8	ng	105011	4	11.398	756935	20.0
Pentadecafluoro...	13.880	4.4	ng	110142	5	14.045	502374	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140615.D
Acq On : 25 Nov 2024 20:45
Operator : RC/JU
Sample : P4860-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-009

Quant Time: Nov 26 00:10:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

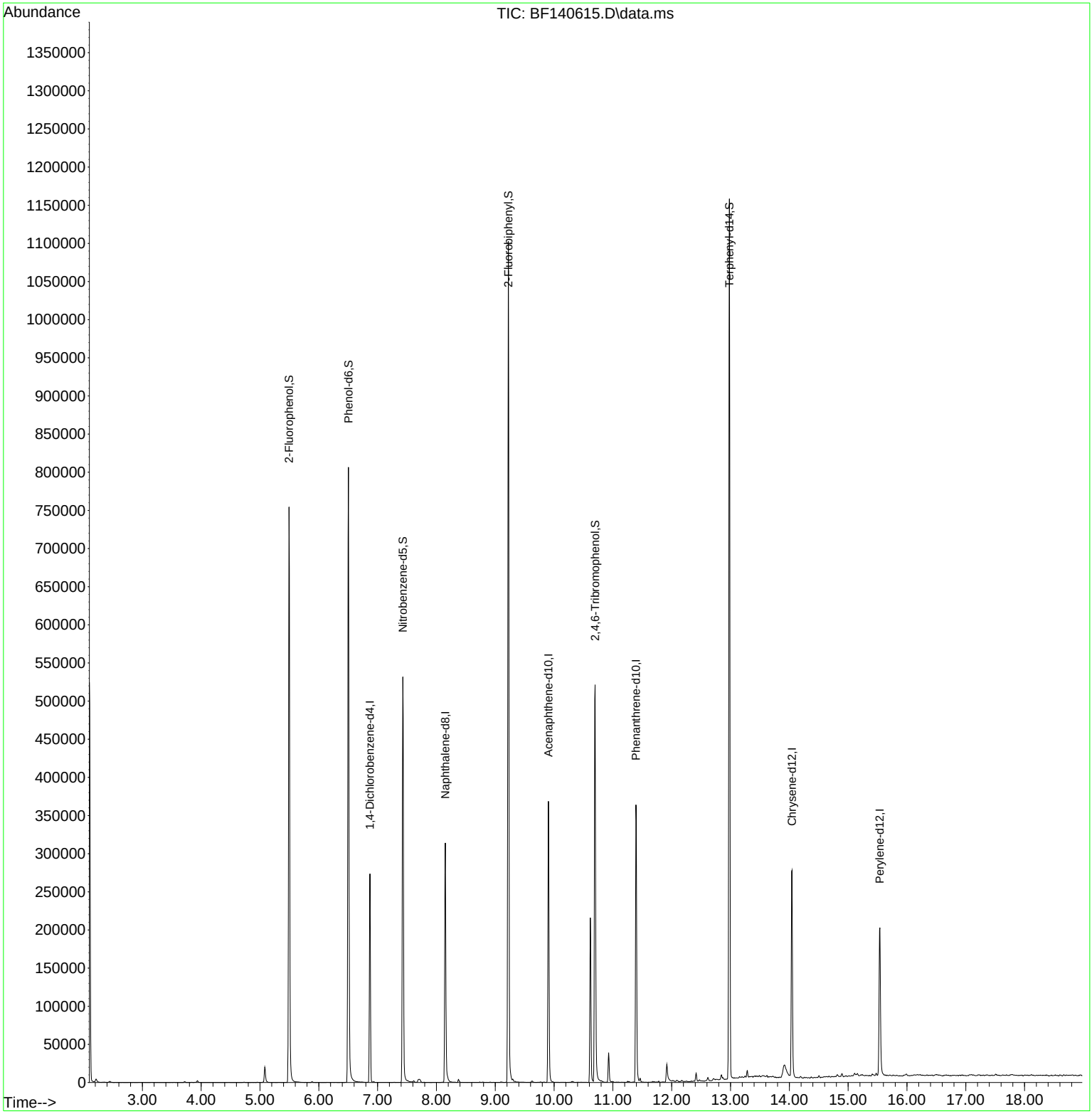
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	56272	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	212229	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	114630	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	214306	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	141699	20.000	ng	0.00
86) Perylene-d12	15.539	264	130450	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	286741	86.942	ng	0.00
7) Phenol-d6	6.504	99	381998	87.612	ng	-0.01
23) Nitrobenzene-d5	7.428	82	249525	60.139	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	96841	78.991	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	483489	62.843	ng	-0.01
79) Terphenyl-d14	12.980	244	554437	60.927	ng	-0.01
Target Compounds						Qvalue

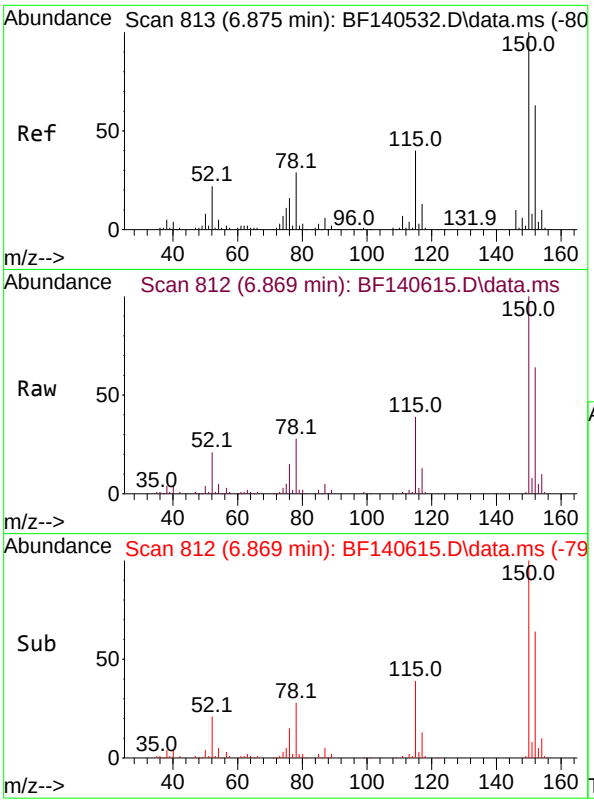
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140615.D
Acq On : 25 Nov 2024 20:45
Operator : RC/JU
Sample : P4860-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-009

Quant Time: Nov 26 00:10:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



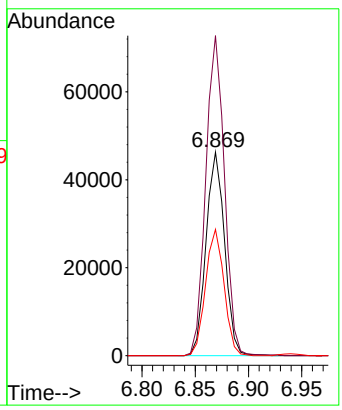


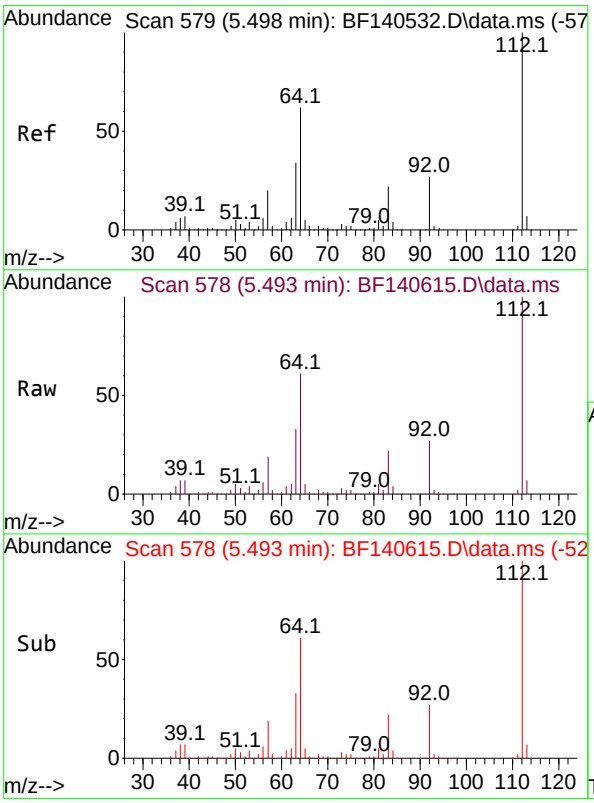
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140615.D
Acq: 25 Nov 2024 20:45

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-009

Tgt Ion:152 Resp: 56272

Ion	Ratio	Lower	Upper
152	100		
150	157.2	128.5	192.7
115	62.0	50.2	75.4

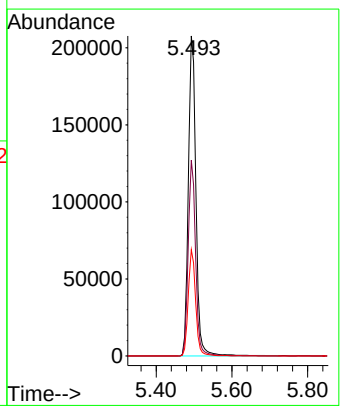


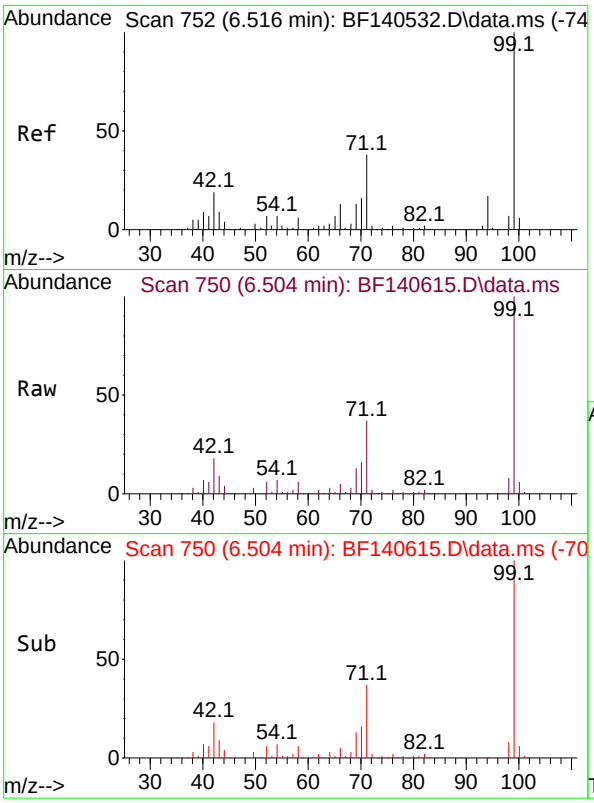


#5
2-Fluorophenol
Concen: 86.942 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF140615.D
Acq: 25 Nov 2024 20:45

Tgt Ion:112 Resp: 286741

Ion	Ratio	Lower	Upper
112	100		
64	61.2	49.2	73.8
63	33.2	27.0	40.4



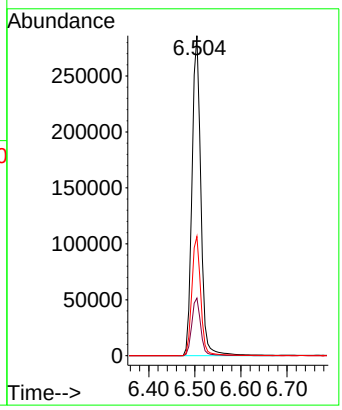


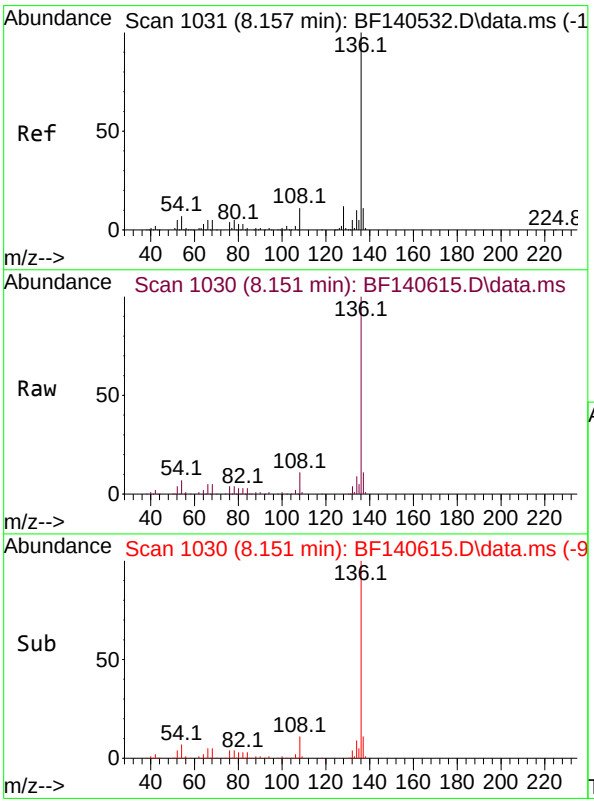
#7
Phenol-d6
Concen: 87.612 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF140615.D
Acq: 25 Nov 2024 20:45

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-009

Tgt Ion: 99 Resp: 381998

Ion	Ratio	Lower	Upper
99	100		
42	18.0	15.4	23.0
71	37.3	30.6	46.0

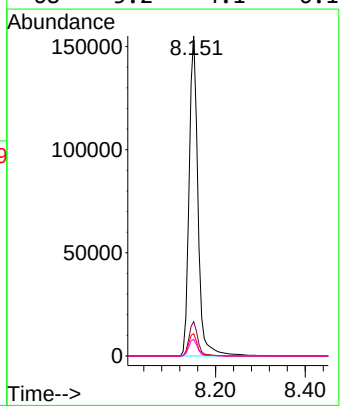


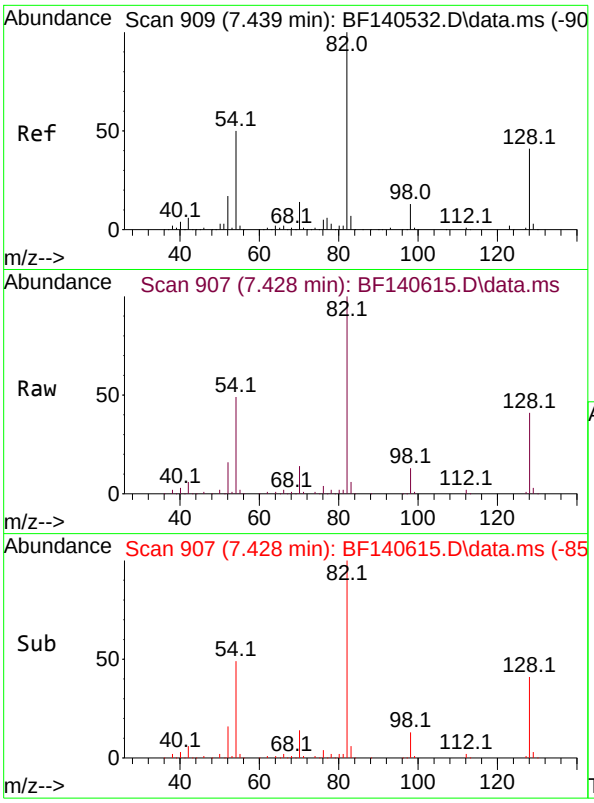


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140615.D
Acq: 25 Nov 2024 20:45

Tgt Ion:136 Resp: 212229

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	6.9	5.8	8.8
68	5.2	4.1	6.1



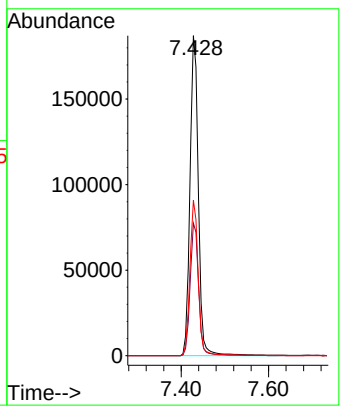


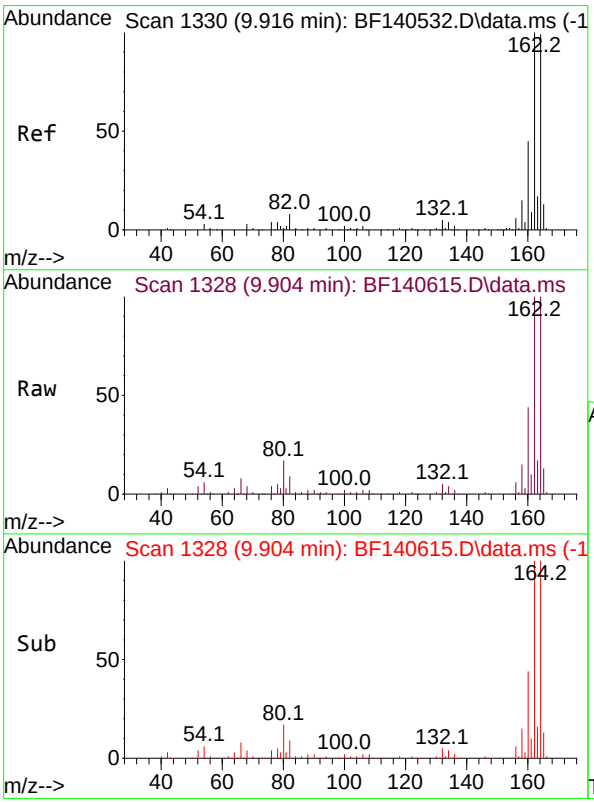
#23
Nitrobenzene-d5
Concen: 60.139 ng
RT: 7.428 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF140615.D
Acq: 25 Nov 2024 20:45

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-009

Tgt Ion: 82 Resp: 249525

Ion	Ratio	Lower	Upper
82	100		
128	41.4	33.0	49.4
54	48.5	39.5	59.3

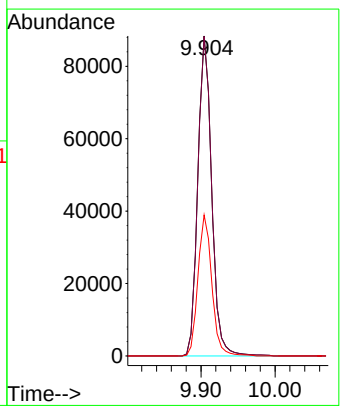


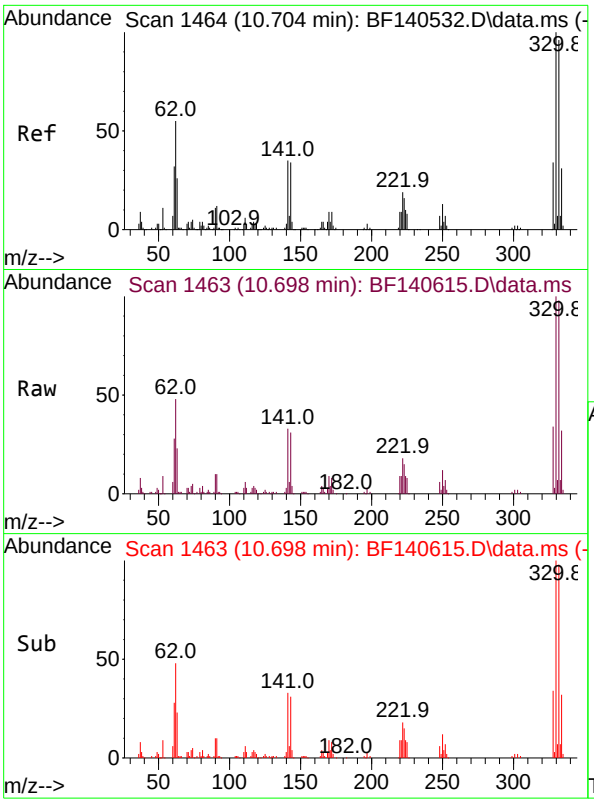


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140615.D
Acq: 25 Nov 2024 20:45

Tgt Ion:164 Resp: 114630

Ion	Ratio	Lower	Upper
164	100		
162	99.8	80.6	120.8
160	44.1	36.2	54.4



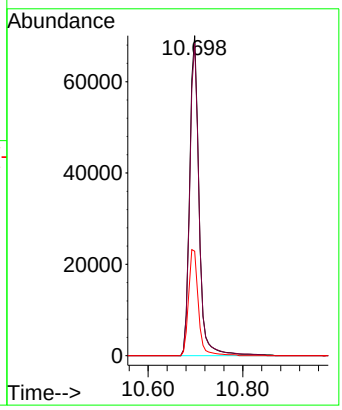


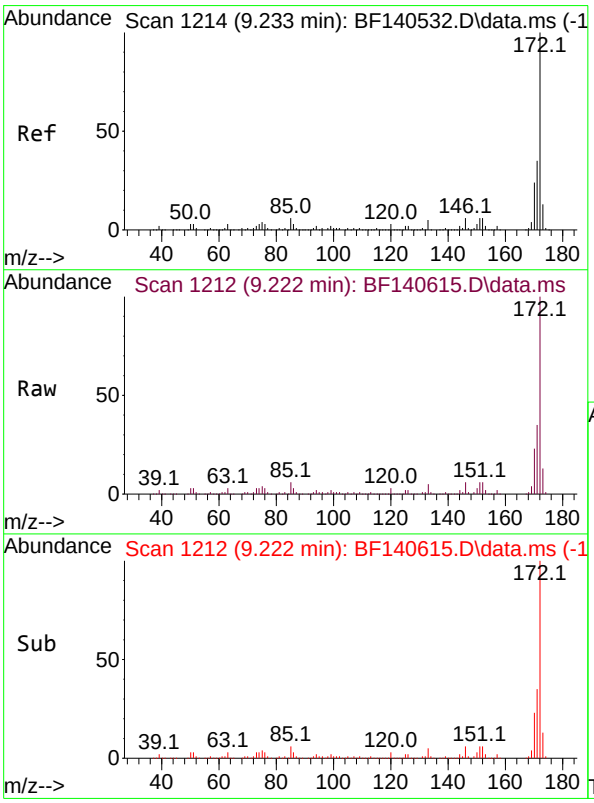
#42
2,4,6-Tribromophenol
Concen: 78.991 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140615.D
Acq: 25 Nov 2024 20:45

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-009

Tgt Ion:330 Resp: 96841

Ion	Ratio	Lower	Upper
330	100		
332	97.8	76.9	115.3
141	34.5	26.7	40.1

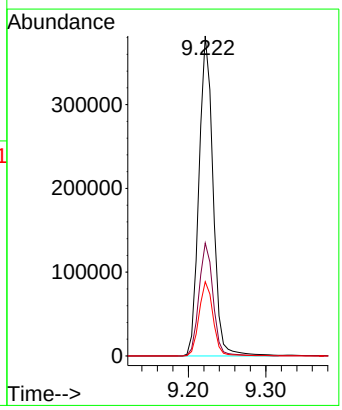


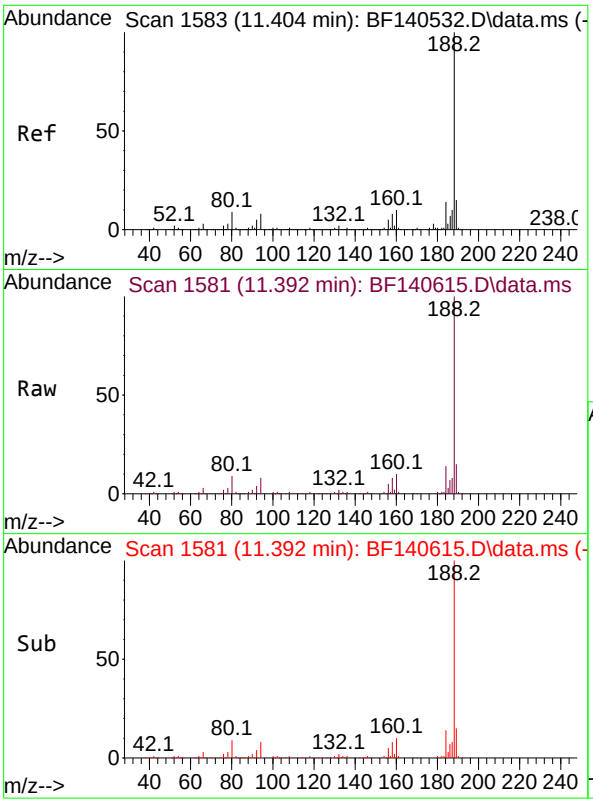


#45
2-Fluorobiphenyl
Concen: 62.843 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140615.D
Acq: 25 Nov 2024 20:45

Tgt Ion:172 Resp: 483489

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.4	42.6
170	23.2	19.0	28.6



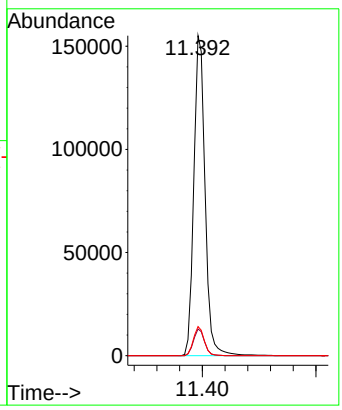


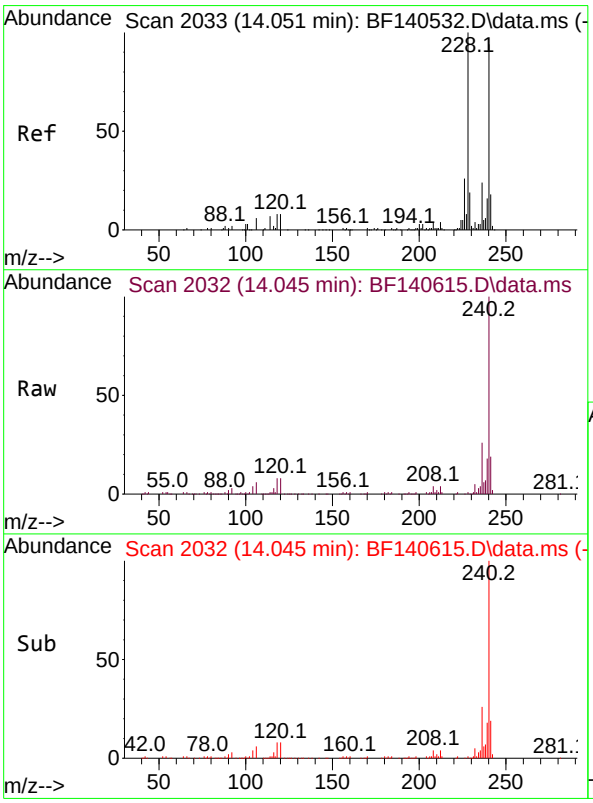
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140615.D
Acq: 25 Nov 2024 20:45

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-009

Tgt Ion:188 Resp: 214306

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.4	9.6
80	9.1	6.9	10.3

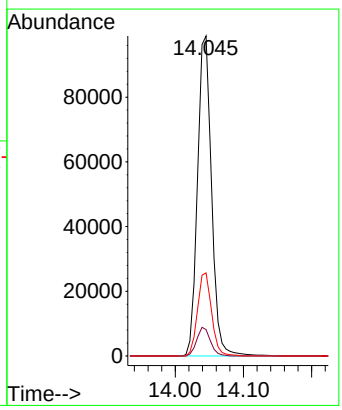


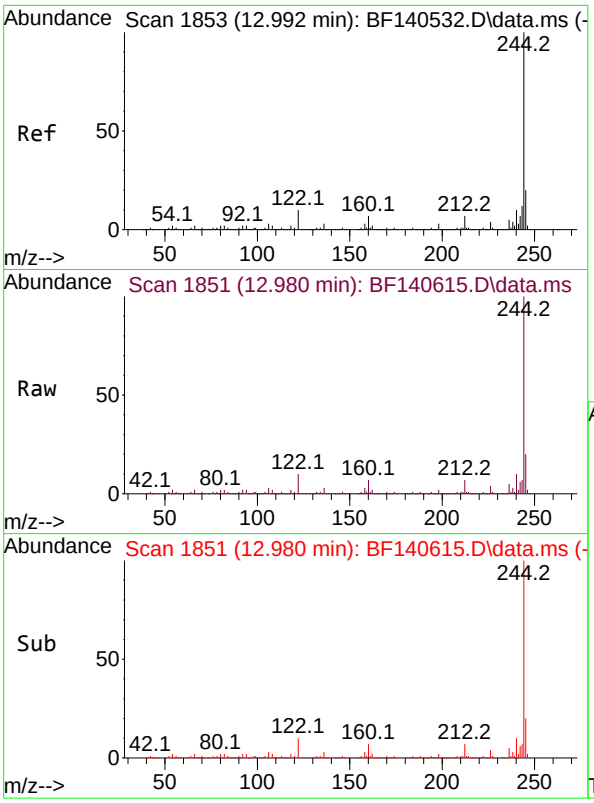


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140615.D
Acq: 25 Nov 2024 20:45

Tgt Ion:240 Resp: 141699

Ion	Ratio	Lower	Upper
240	100		
120	8.2	7.3	10.9
236	26.0	20.6	31.0



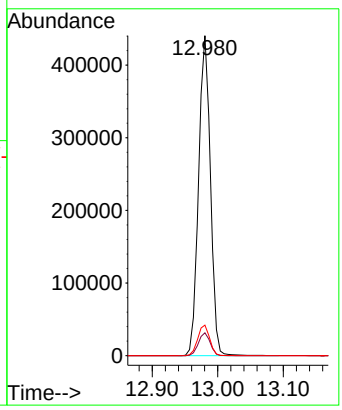


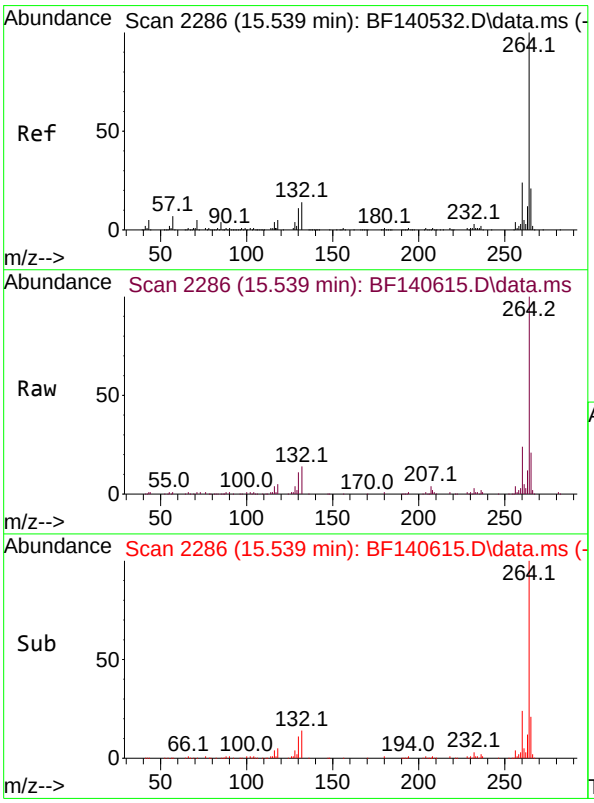
#79
Terphenyl-d14
Concen: 60.927 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140615.D
Acq: 25 Nov 2024 20:45

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-009

Tgt Ion:244 Resp: 554437

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	9.5	8.0	12.0

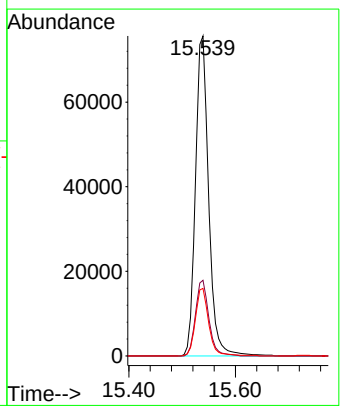




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2286
Delta R.T. 0.000 min
Lab File: BF140615.D
Acq: 25 Nov 2024 20:45

Tgt Ion:264 Resp: 130450

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.6
265	21.1	16.6	25.0



Sample Results: **BF140615.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140615.D
Acq On : 25 Nov 2024 20:45
Operator : RC/JU
Sample : P4860-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-009

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-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140615.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.081	503	508	520	rVB	19916	31082	2.14%	0.336%
2	5.493	573	578	598	rBV	754507	1016441	70.08%	10.977%
3	6.504	744	750	767	rBV	806435	1078727	74.38%	11.650%
4	6.869	807	812	821	rBV	273270	330865	22.81%	3.573%
5	7.428	902	907	920	rBV	531563	697301	48.08%	7.530%
6	8.151	1025	1030	1057	rBV	313887	423461	29.20%	4.573%
7	9.222	1207	1212	1223	rBV	1102295	1374540	94.77%	14.844%
8	9.904	1323	1328	1345	rBV	368486	473125	32.62%	5.109%
9	10.616	1444	1449	1458	rBV	215878	276926	19.09%	2.991%
10	10.698	1458	1463	1479	rVV	519957	723844	49.91%	7.817%
11	10.928	1497	1502	1510	rBV	38664	51046	3.52%	0.551%
12	11.392	1576	1581	1590	rBV	363733	493453	34.02%	5.329%
13	11.916	1665	1670	1685	rBV2	23163	45335	3.13%	0.490%
14	12.980	1845	1851	1856	rBV	1153883	1450364	100.00%	15.663%
15	13.916	2000	2010	2023	rBV6	16574	72805	5.02%	0.786%
16	14.045	2026	2032	2044	rVB	271780	394656	27.21%	4.262%
17	15.539	2280	2286	2298	rVB	193011	325815	22.46%	3.519%

Sum of corrected areas: 9259786

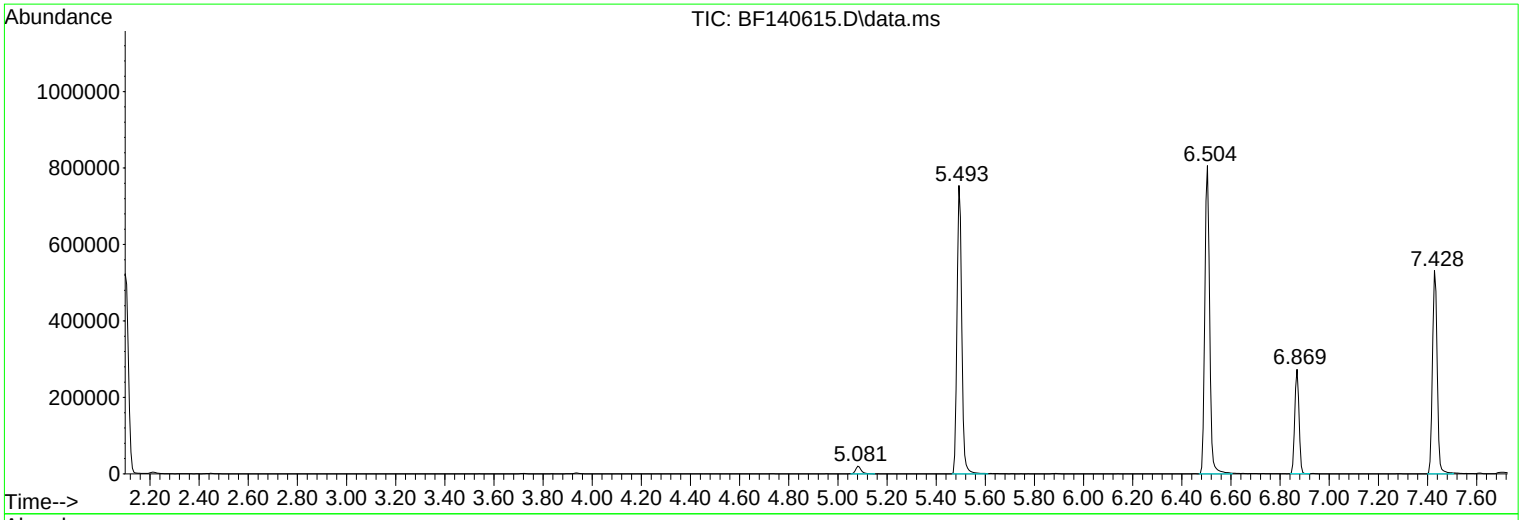
Sample Results: **BF140615.D**

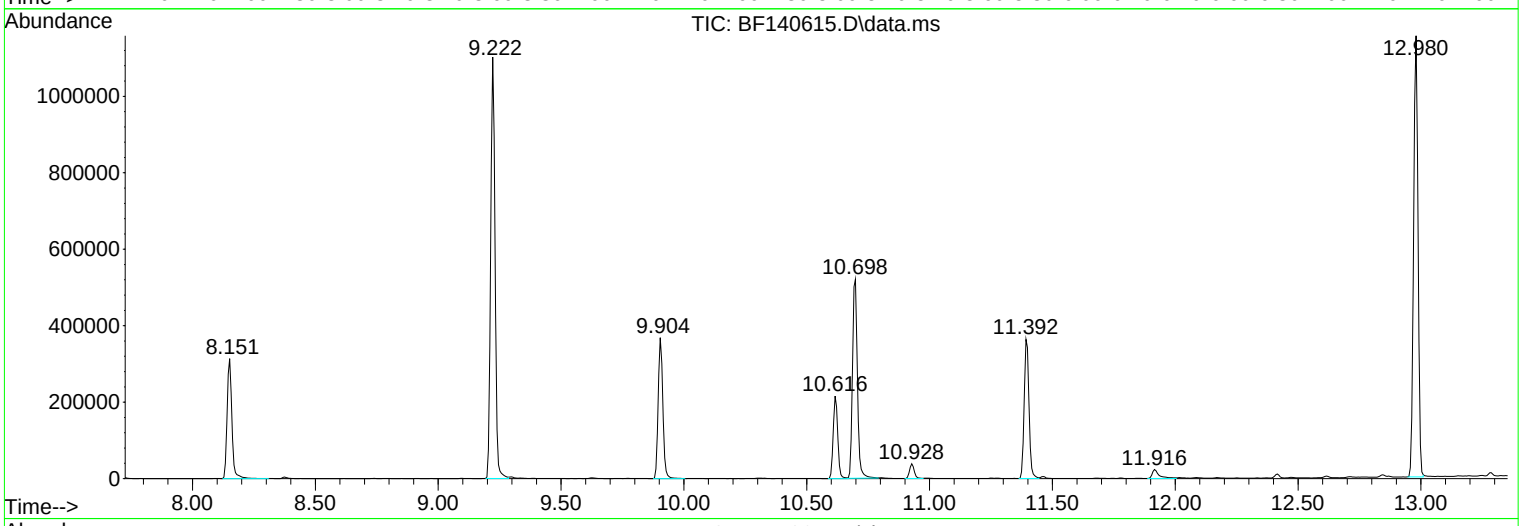
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140615.D
Acq On : 25 Nov 2024 20:45
Operator : RC/JU
Sample : P4860-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

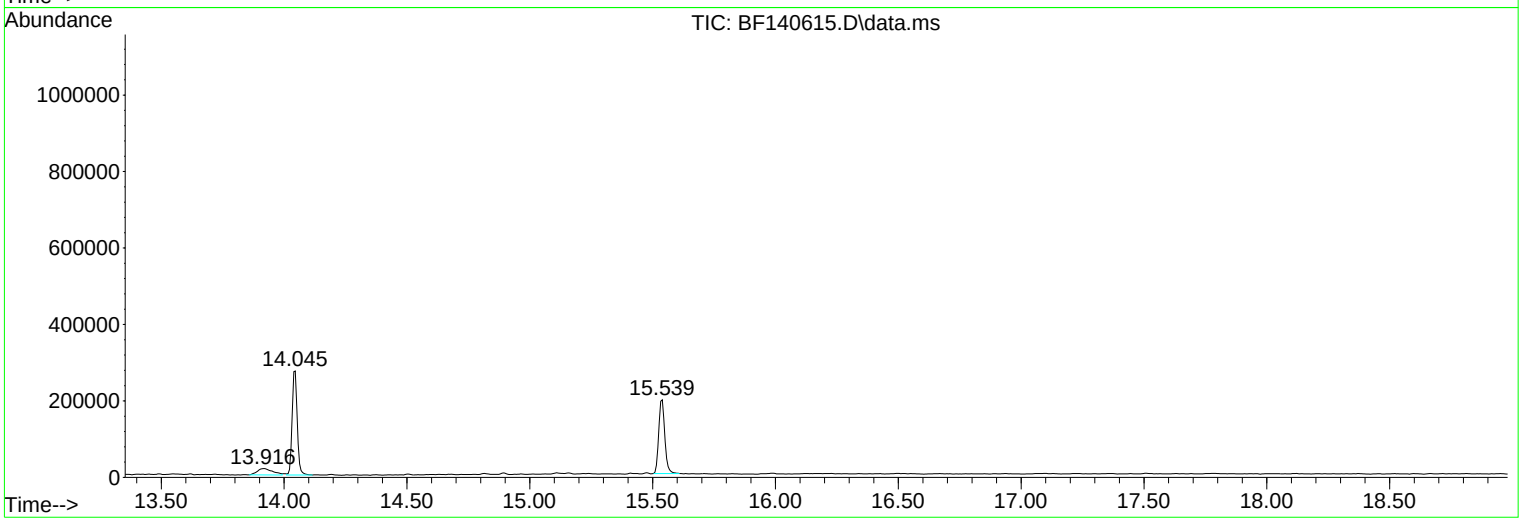
Instrument :
BNA_F
ClientSampleId :
PH2-BOT-009

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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\BF112524\
Data File : BF140615.D
Acq On : 25 Nov 2024 20:45
Operator : RC/JU
Sample : P4860-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-009

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

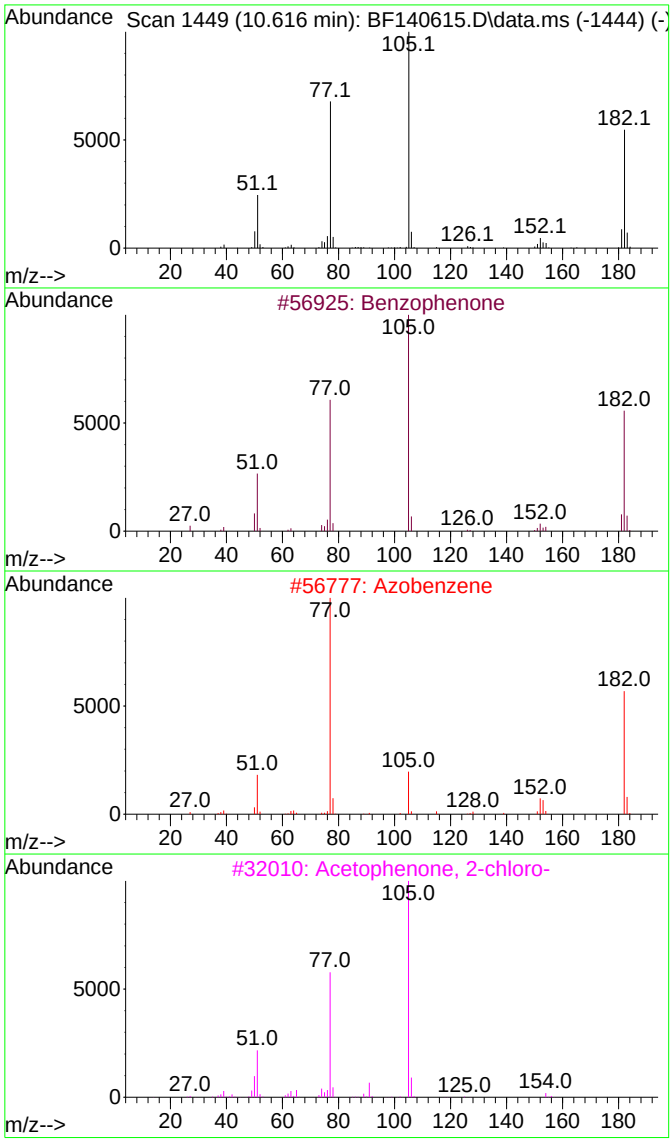
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

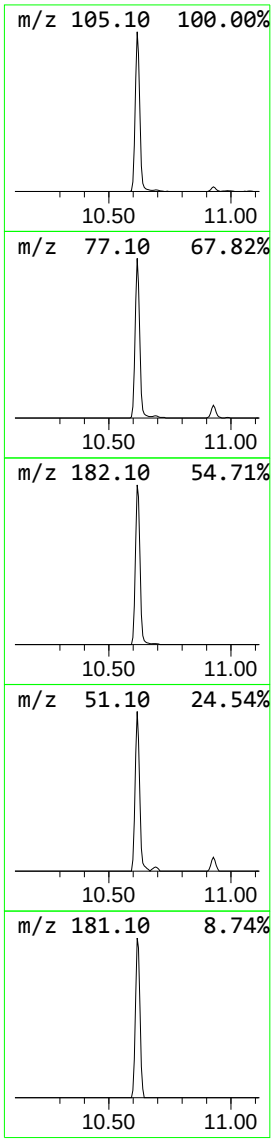
****

Peak Number 1 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	11.71 ng	276926	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	72
3	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
4	Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	47
5	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140615.D
Acq On : 25 Nov 2024 20:45
Operator : RC/JU
Sample : P4860-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-009

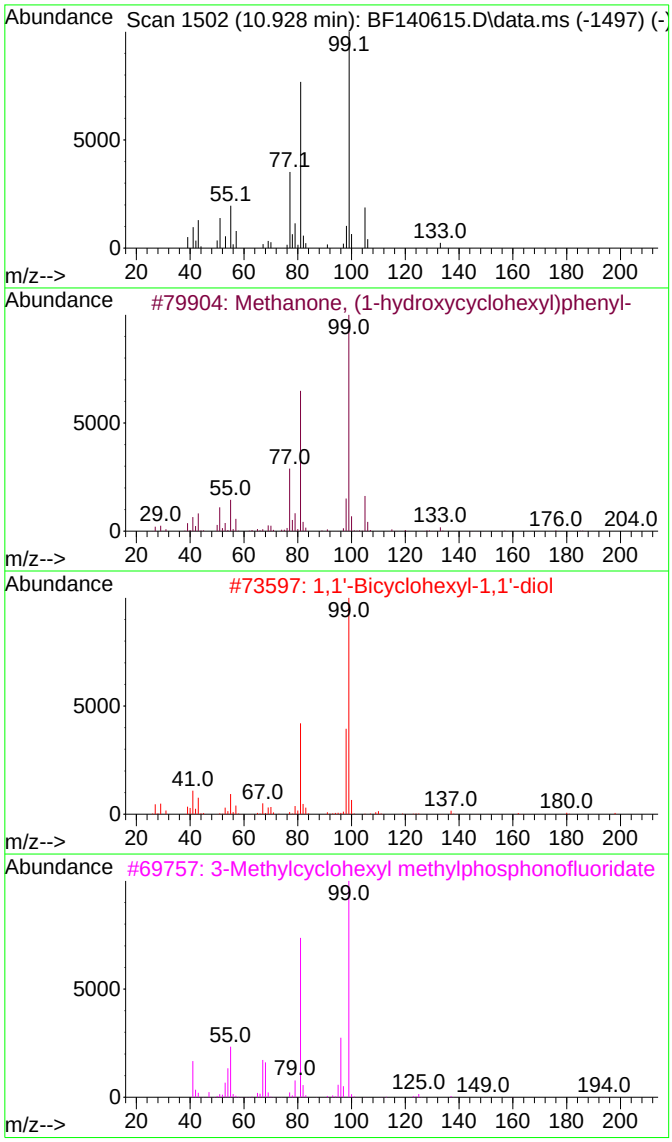
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

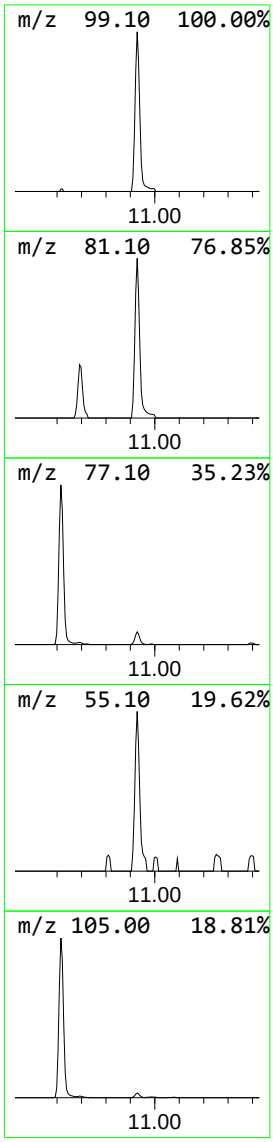
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Methanone, (1-hydroxycycloh... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.928	2.07 ng	51046	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methanone, (1-hydroxycyclohexyl)...	204	C13H16O2	000947-19-3	90
2	1,1'-Bicyclohexyl-1,1'-diol	198	C12H22O2	002888-11-1	45
3	3-Methylcyclohexyl methylphospho...	194	C8H16FO2P	113548-86-0	45
4	1-Hydroxycyclohexanecarboxylic acid	144	C7H12O3	001123-28-0	45
5	2-Methylcyclosarin	194	C8H16FO2P	085473-32-1	42





```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140615.D
Acq On    : 25 Nov 2024  20:45
Operator  : RC/JU
Sample    : P4860-06
Misc      :
ALS Vial  : 13   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

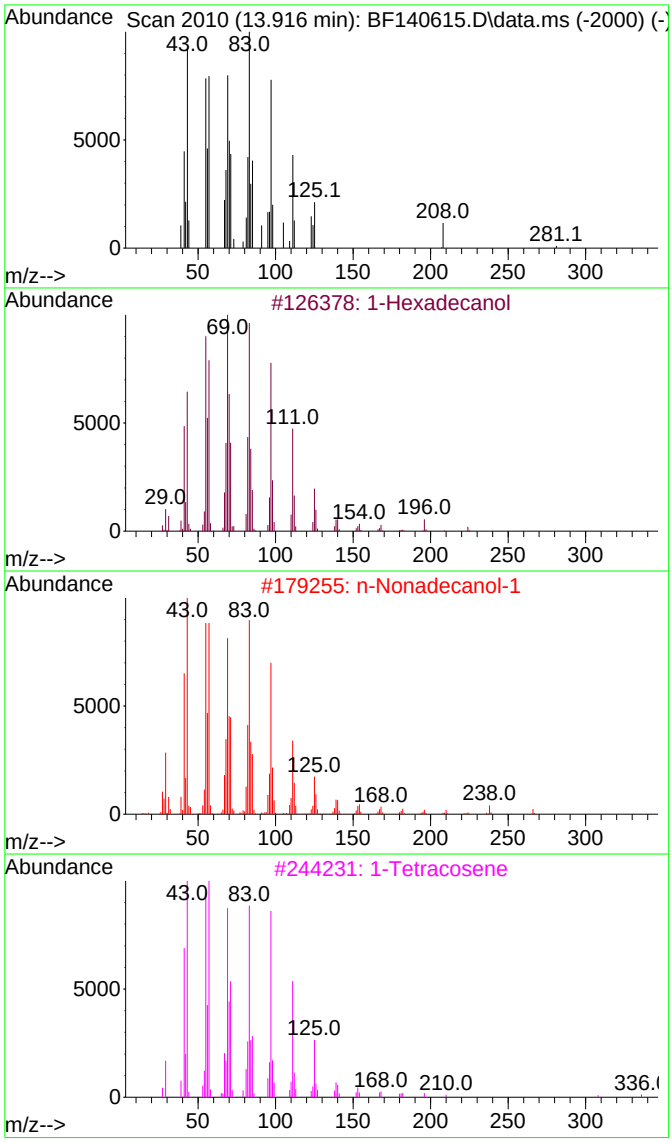
Instrument :
BNA_F
ClientSampleId :
PH2-BOT-009

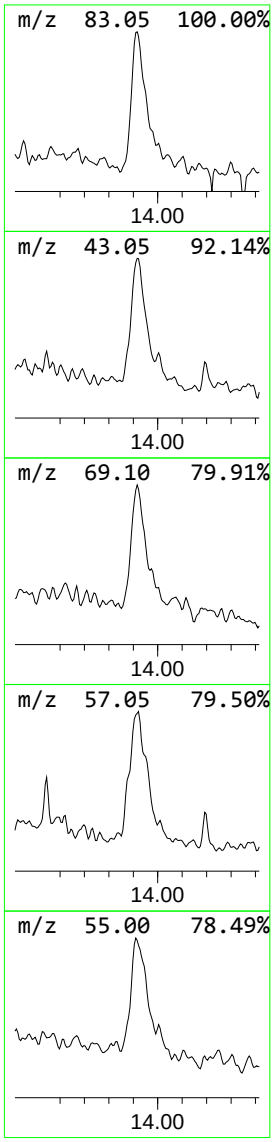
****

Peak Number 3 1-Hexadecanol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.916	3.69 ng	72805	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexadecanol	242	C16H34O	036653-82-4	93
2	n-Nonadecanol-1	284	C19H40O	001454-84-8	93
3	1-Tetracosene	336	C24H48	010192-32-2	93
4	2- Chloropropionic acid, pentade...	318	C18H35ClO2	1000292-44-1	91
5	1-Heneicosanol	312	C21H44O	015594-90-8	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140615.D
Acq On : 25 Nov 2024 20:45
Operator : RC/JU
Sample : P4860-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-009

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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	10.616	11.7	ng	276926	3	9.904	473125	20.0
Methanone, (1-h...	10.928	2.1	ng	51046	4	11.392	493453	20.0
1-Hexadecanol	13.916	3.7	ng	72805	5	14.045	394656	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140621.D
Acq On : 25 Nov 2024 23:22
Operator : RC/JU
Sample : P4860-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-008

Quant Time: Nov 26 00:11:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

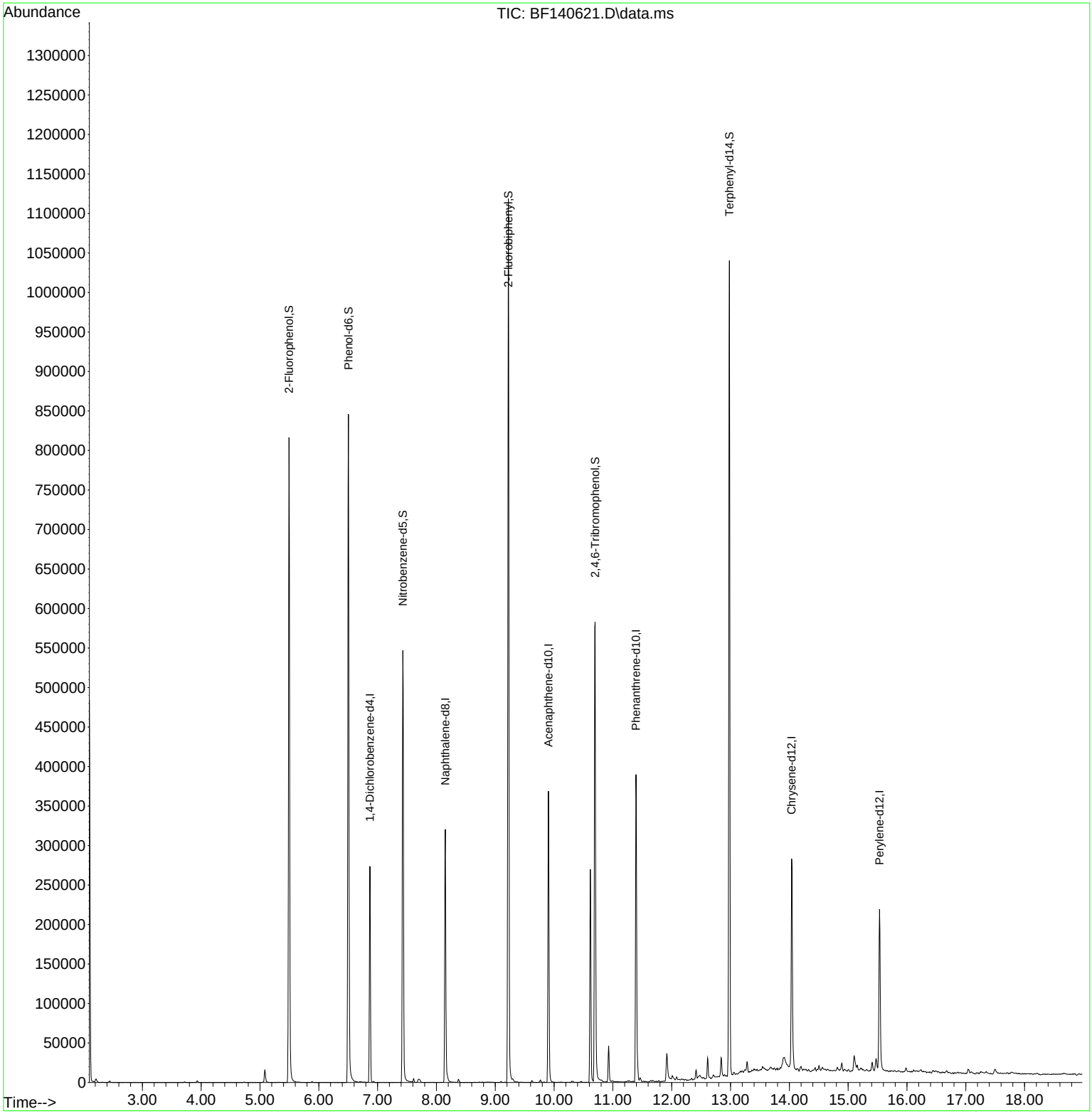
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	56779	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	211702	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	113735	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	220246	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	128275	20.000	ng	-0.01
86) Perylene-d12	15.533	264	122422	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	306468	92.094	ng	0.00
7) Phenol-d6	6.504	99	397890	90.442	ng	-0.01
23) Nitrobenzene-d5	7.428	82	256943	62.081	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	107865	88.675	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	495612	64.926	ng	-0.01
79) Terphenyl-d14	12.980	244	498356	60.495	ng	-0.01
Target Compounds						Qvalue

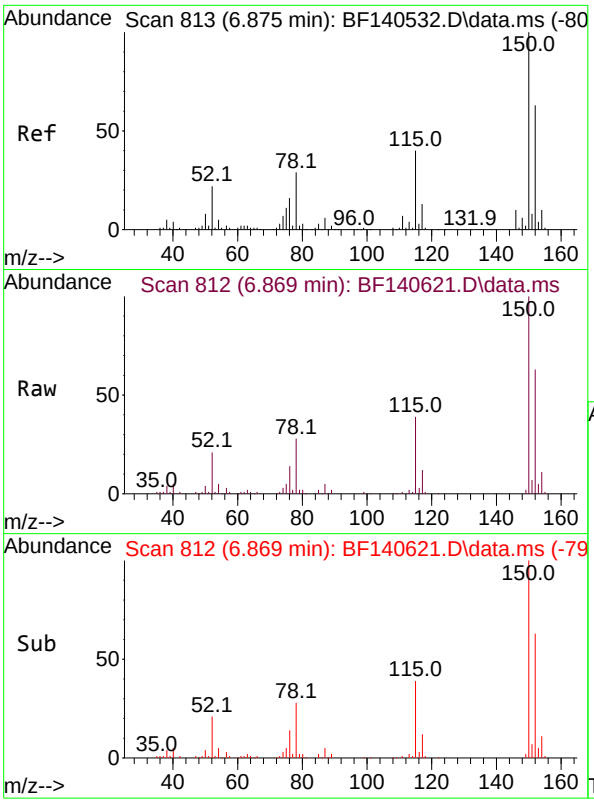
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140621.D
Acq On : 25 Nov 2024 23:22
Operator : RC/JU
Sample : P4860-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-008

Quant Time: Nov 26 00:11:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



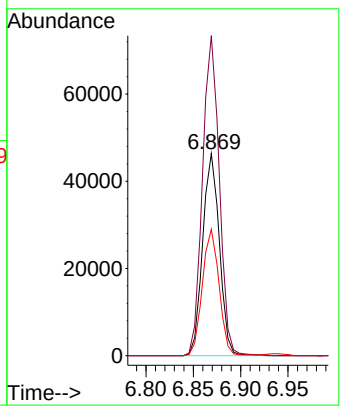


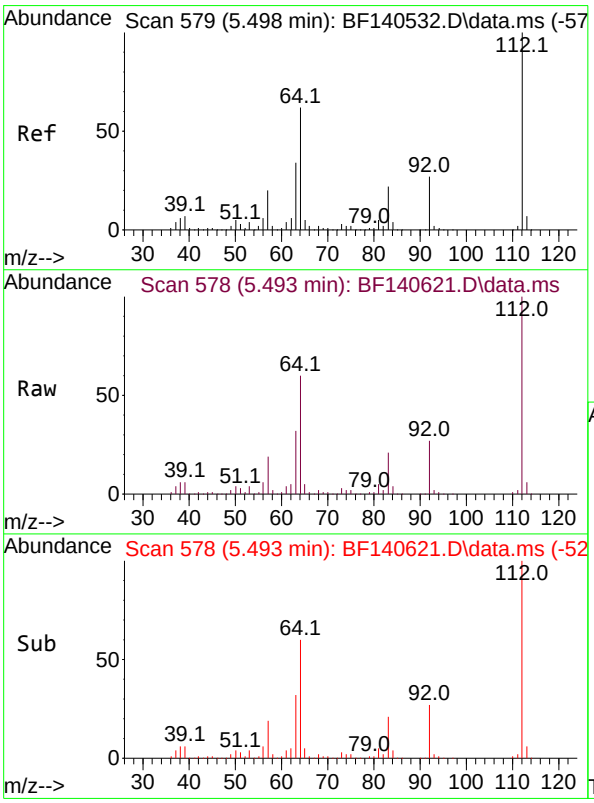
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140621.D
Acq: 25 Nov 2024 23:22

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-008

Tgt Ion:152 Resp: 56779

Ion	Ratio	Lower	Upper
152	100		
150	158.3	128.5	192.7
115	62.5	50.2	75.4

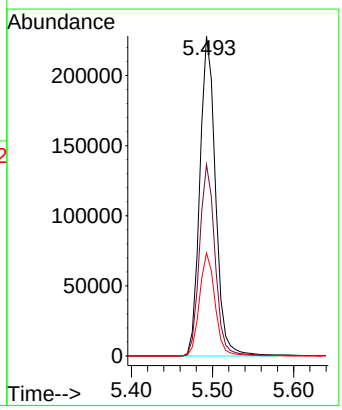


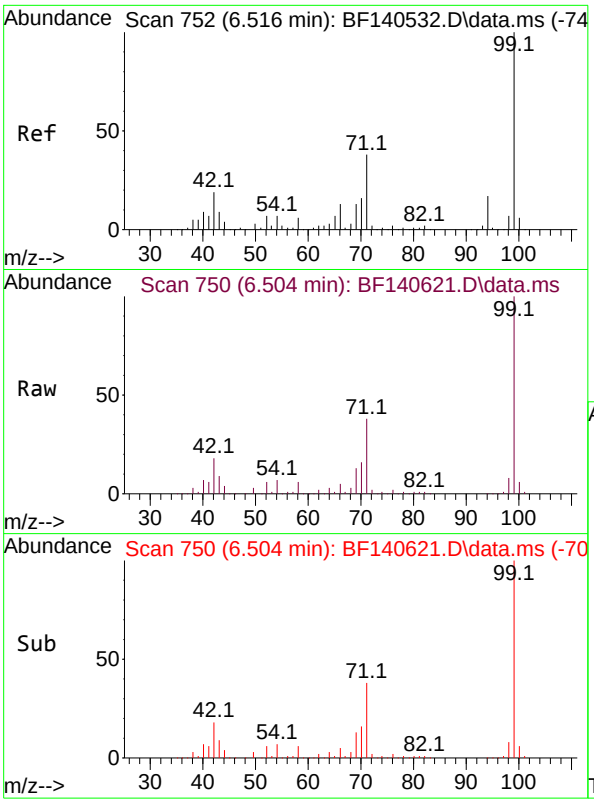


#5
2-Fluorophenol
Concen: 92.094 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF140621.D
Acq: 25 Nov 2024 23:22

Tgt Ion:112 Resp: 306468

Ion	Ratio	Lower	Upper
112	100		
64	59.8	49.2	73.8
63	32.2	27.0	40.4



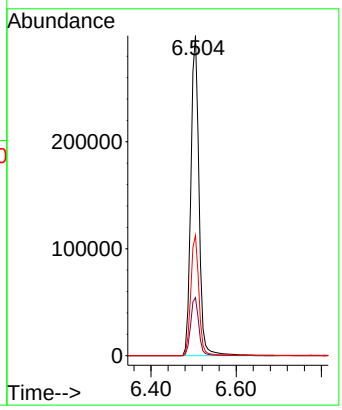


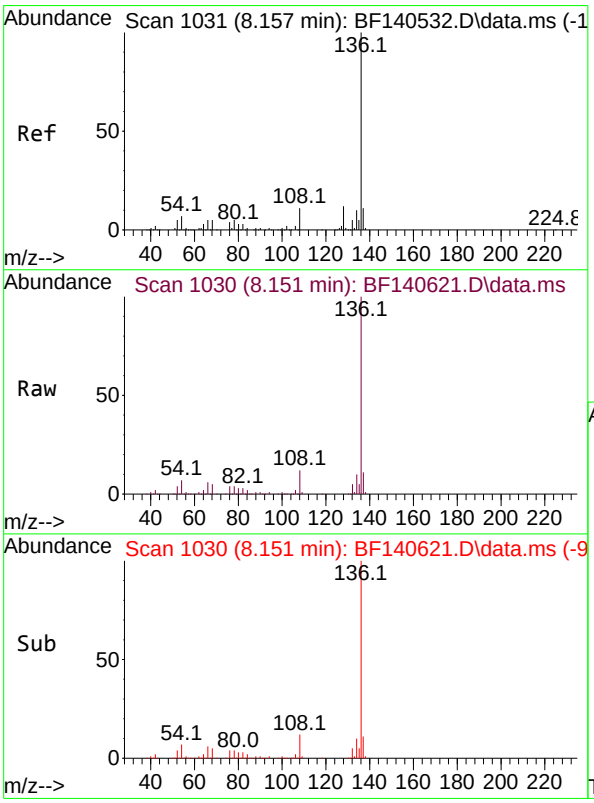
#7
Phenol-d6
Concen: 90.442 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF140621.D
Acq: 25 Nov 2024 23:22

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-008

Tgt Ion: 99 Resp: 397890

Ion	Ratio	Lower	Upper
99	100		
42	18.2	15.4	23.0
71	37.6	30.6	46.0

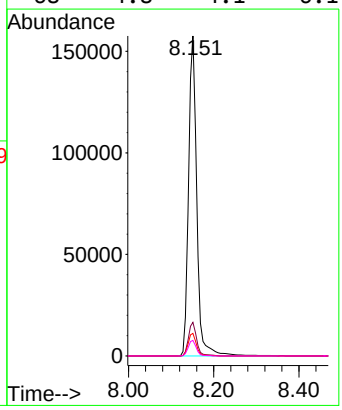


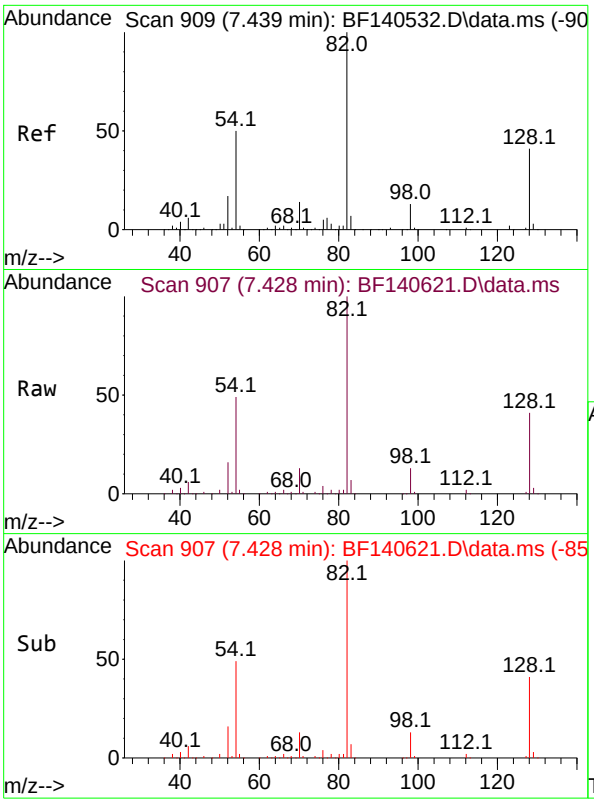


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140621.D
Acq: 25 Nov 2024 23:22

Tgt Ion:136 Resp: 211702

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	7.0	5.8	8.8
68	4.8	4.1	6.1



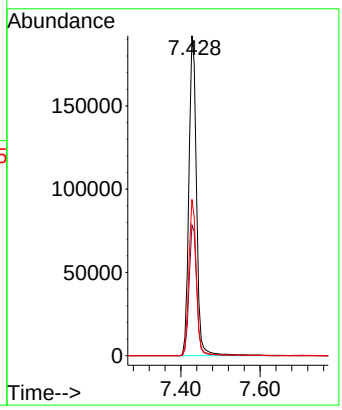


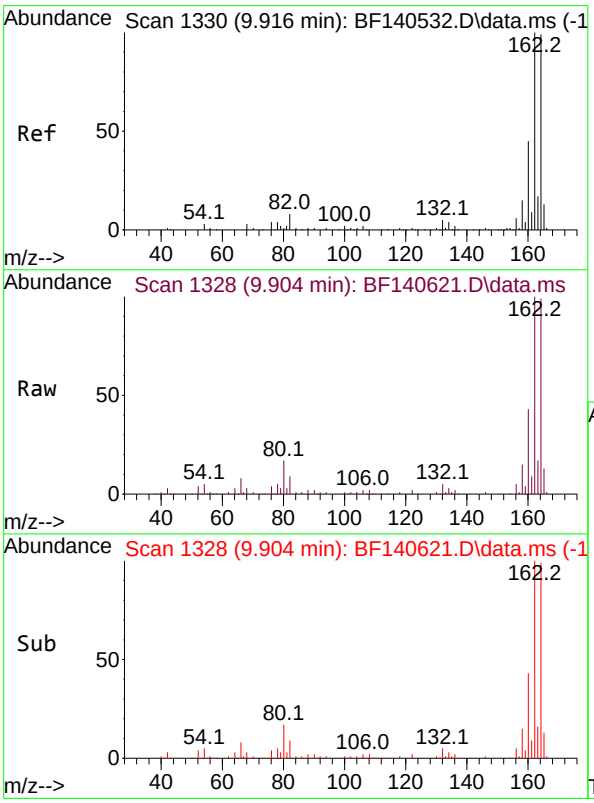
#23
Nitrobenzene-d5
Concen: 62.081 ng
RT: 7.428 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF140621.D
Acq: 25 Nov 2024 23:22

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-008

Tgt Ion: 82 Resp: 256943

Ion	Ratio	Lower	Upper
82	100		
128	40.8	33.0	49.4
54	48.9	39.5	59.3

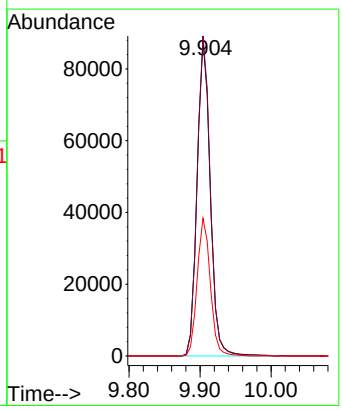


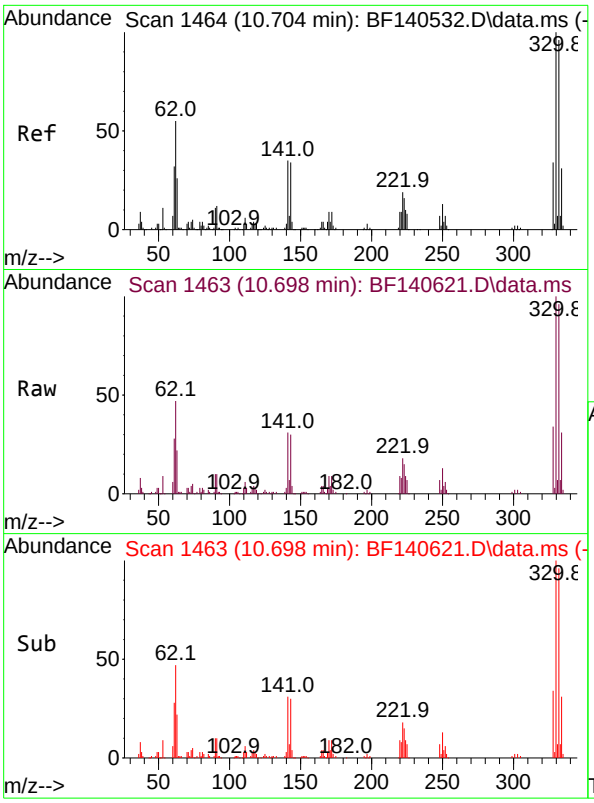


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140621.D
Acq: 25 Nov 2024 23:22

Tgt Ion:164 Resp: 113735

Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.6	120.8
160	43.6	36.2	54.4



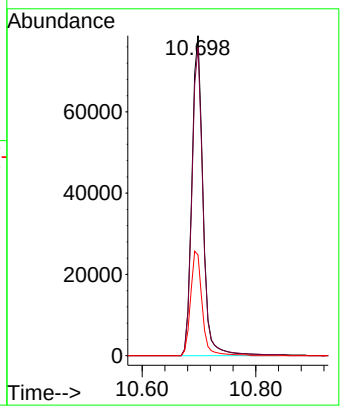


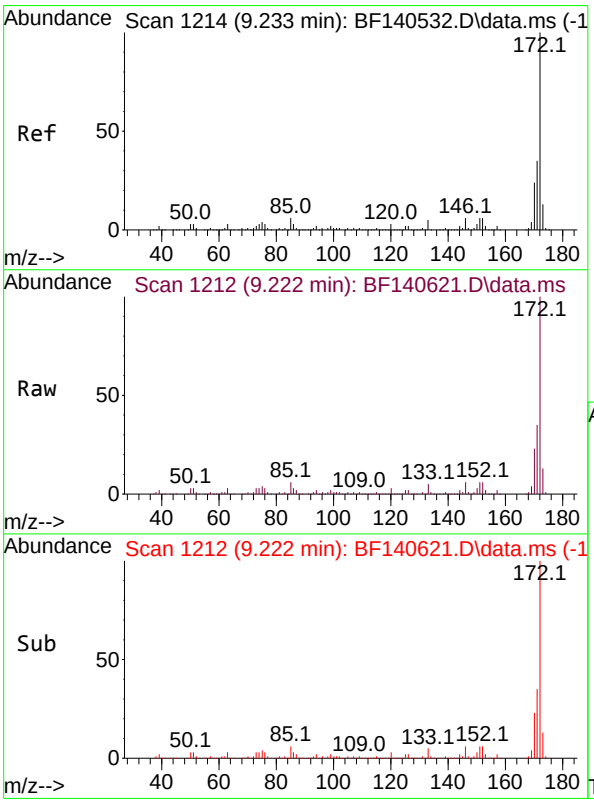
#42
2,4,6-Tribromophenol
Concen: 88.675 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140621.D
Acq: 25 Nov 2024 23:22

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-008

Tgt Ion:330 Resp: 107865

Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.9	115.3
141	33.8	26.7	40.1

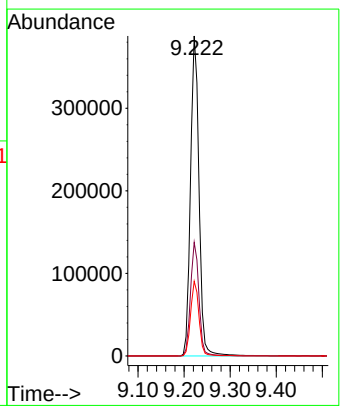


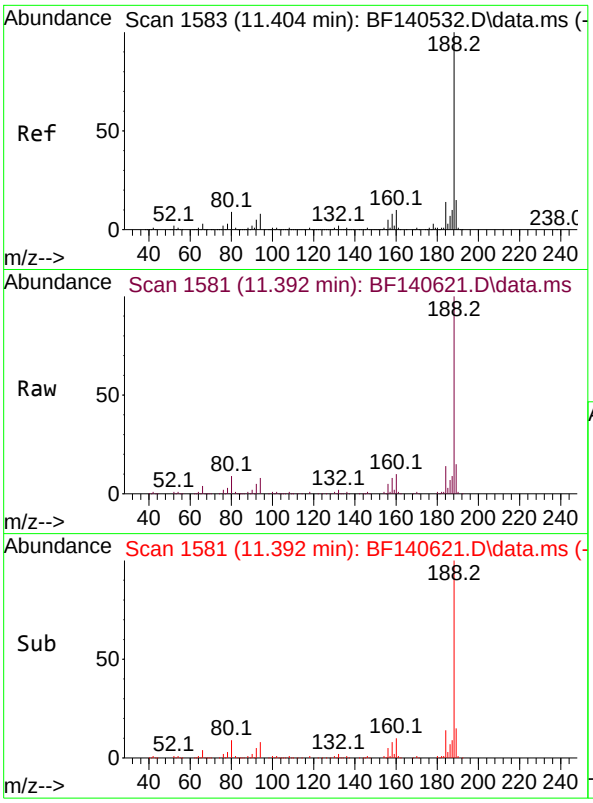


#45
2-Fluorobiphenyl
Concen: 64.926 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140621.D
Acq: 25 Nov 2024 23:22

Tgt Ion:172 Resp: 495612

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.4	42.6
170	23.3	19.0	28.6



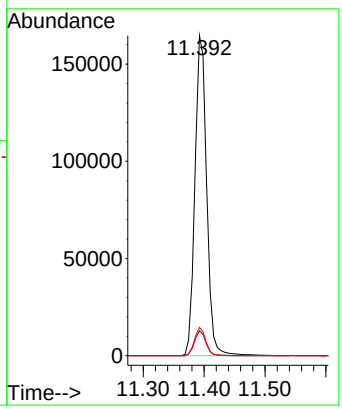


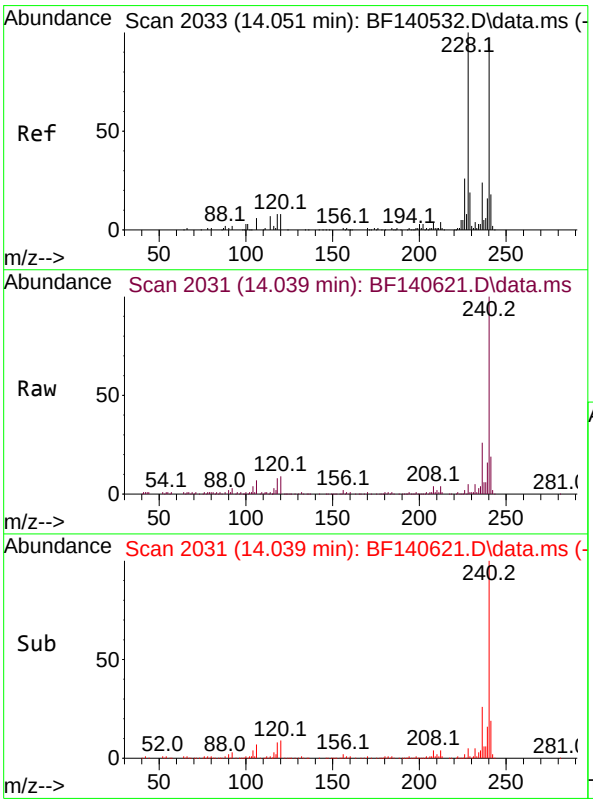
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140621.D
Acq: 25 Nov 2024 23:22

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-008

Tgt Ion:188 Resp: 220246

Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.4	9.6
80	8.8	6.9	10.3

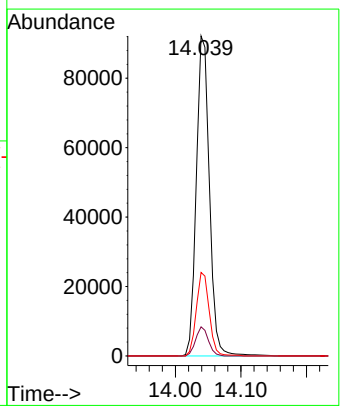


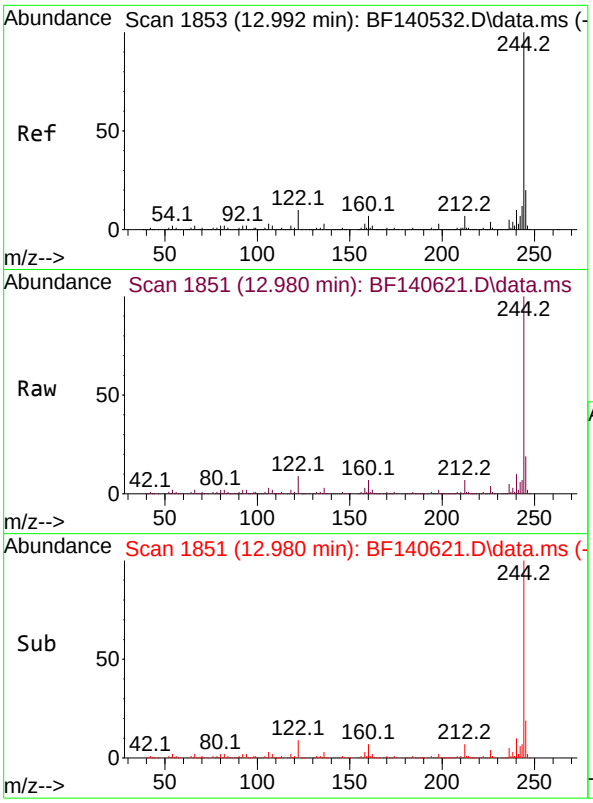


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF140621.D
Acq: 25 Nov 2024 23:22

Tgt Ion:240 Resp: 128275

Ion	Ratio	Lower	Upper
240	100		
120	9.1	7.3	10.9
236	26.1	20.6	31.0



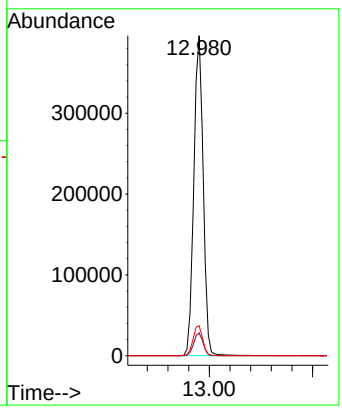


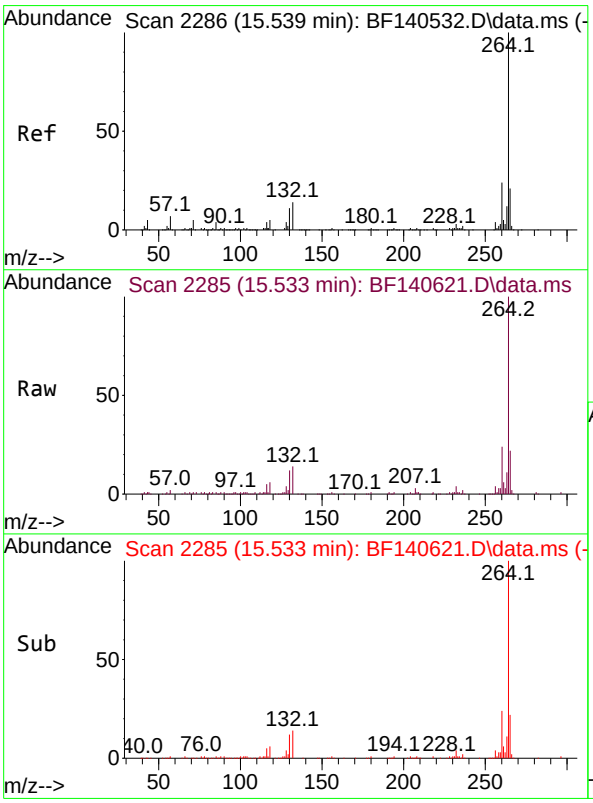
#79
Terphenyl-d14
Concen: 60.495 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140621.D
Acq: 25 Nov 2024 23:22

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-008

Tgt Ion:244 Resp: 498356

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	9.3	8.0	12.0

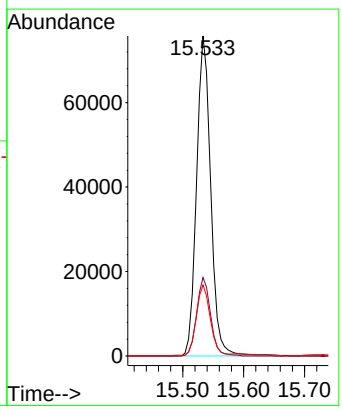




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF140621.D
Acq: 25 Nov 2024 23:22

Tgt Ion:264 Resp: 122422

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.0	28.6
265	22.1	16.6	25.0



Sample Results: **BF140621.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140621.D
Acq On : 25 Nov 2024 23:22
Operator : RC/JU
Sample : P4860-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-008

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-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140621.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.081	503	508	518	rVB	15257	23354	1.67%	0.243%
2	5.493	573	578	593	rBV	816602	1088857	77.80%	11.309%
3	6.504	744	750	768	rBV	846002	1125236	80.40%	11.687%
4	6.869	807	812	819	rBV	273360	332648	23.77%	3.455%
5	7.428	902	907	919	rBV	546891	716794	51.21%	7.445%
6	8.151	1025	1030	1048	rBV	320042	420219	30.02%	4.364%
7	9.222	1207	1212	1222	rBV	1118456	1399617	100.00%	14.536%
8	9.904	1323	1328	1345	rVB	368694	473336	33.82%	4.916%
9	10.616	1444	1449	1458	rBV	269816	342604	24.48%	3.558%
10	10.698	1458	1463	1479	rVV	581555	816579	58.34%	8.481%
11	10.928	1497	1502	1509	rBV	45411	57699	4.12%	0.599%
12	11.392	1576	1581	1590	rBV	389017	530674	37.92%	5.512%
13	11.916	1665	1670	1682	rBV2	35355	69317	4.95%	0.720%
14	12.416	1750	1755	1758	rBV	11711	15860	1.13%	0.165%
15	12.610	1784	1788	1793	rBV	25963	33045	2.36%	0.343%
16	12.839	1822	1827	1834	rBV	24219	37157	2.65%	0.386%
17	12.980	1845	1851	1861	rBV	1032712	1315490	93.99%	13.663%
18	13.280	1899	1902	1908	rVB6	13217	17638	1.26%	0.183%
19	14.039	2026	2031	2044	rVB	267006	397938	28.43%	4.133%
20	15.104	2207	2212	2218	rBV	18719	40280	2.88%	0.418%
21	15.410	2260	2264	2270	rVB	10446	15191	1.09%	0.158%
22	15.474	2270	2275	2279	rBV	15041	26439	1.89%	0.275%
23	15.533	2279	2285	2299	rVB	204114	332339	23.74%	3.452%

Sum of corrected areas: 9628311

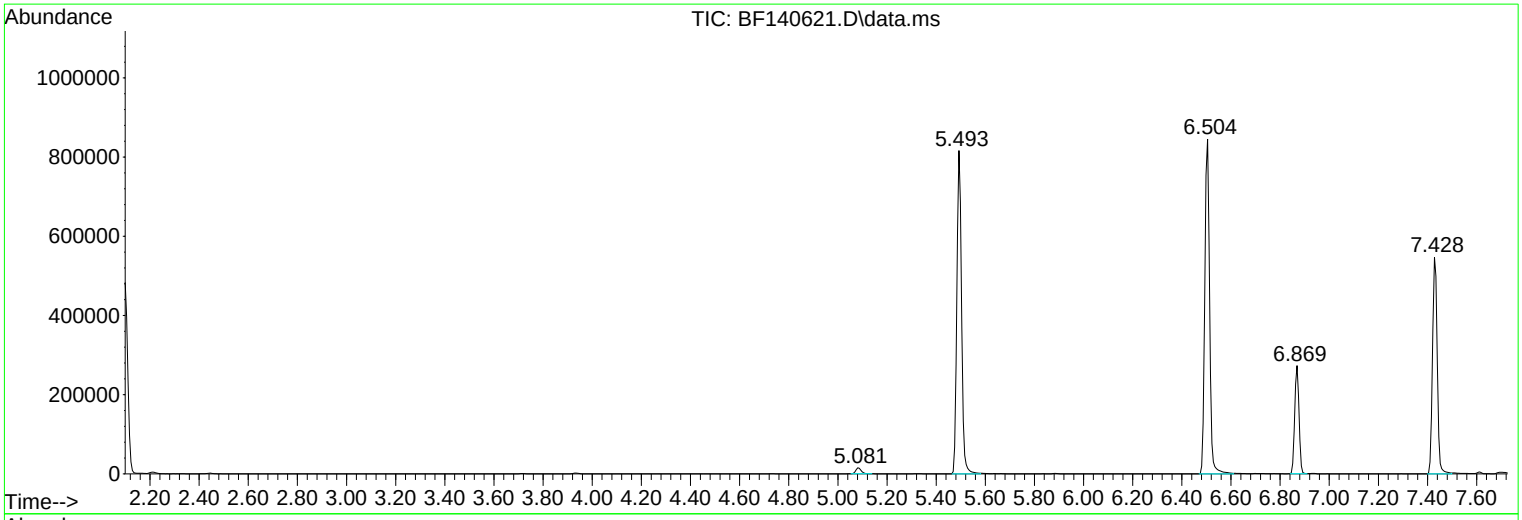
Sample Results: **BF140621.D**

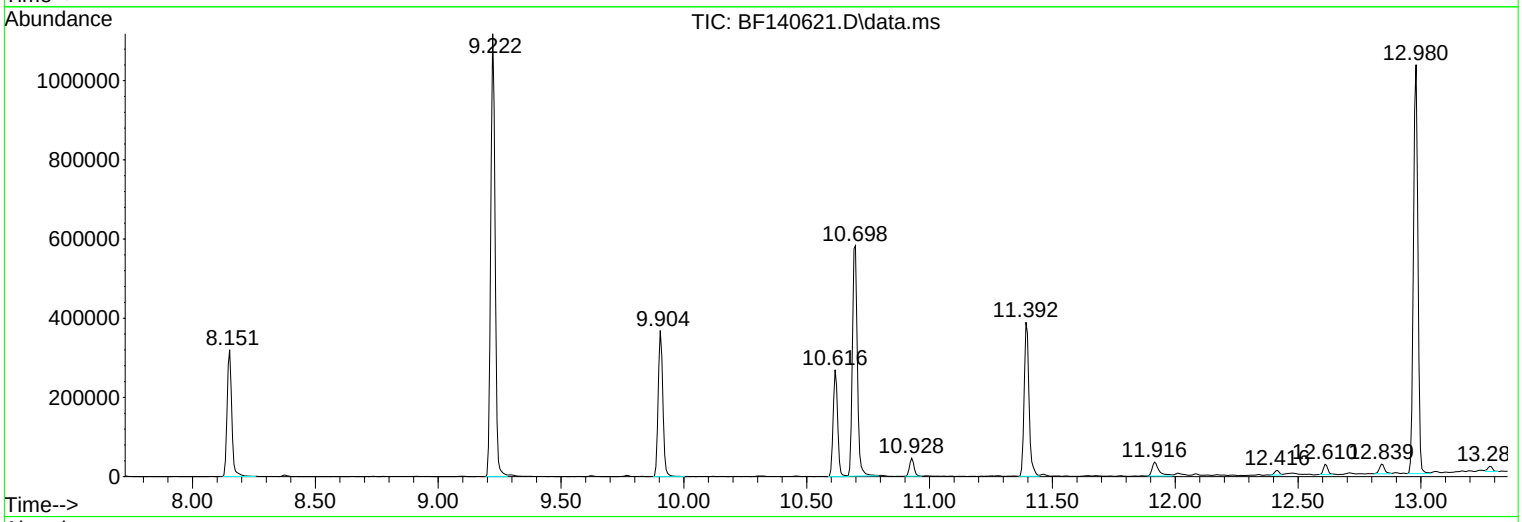
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140621.D
Acq On : 25 Nov 2024 23:22
Operator : RC/JU
Sample : P4860-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

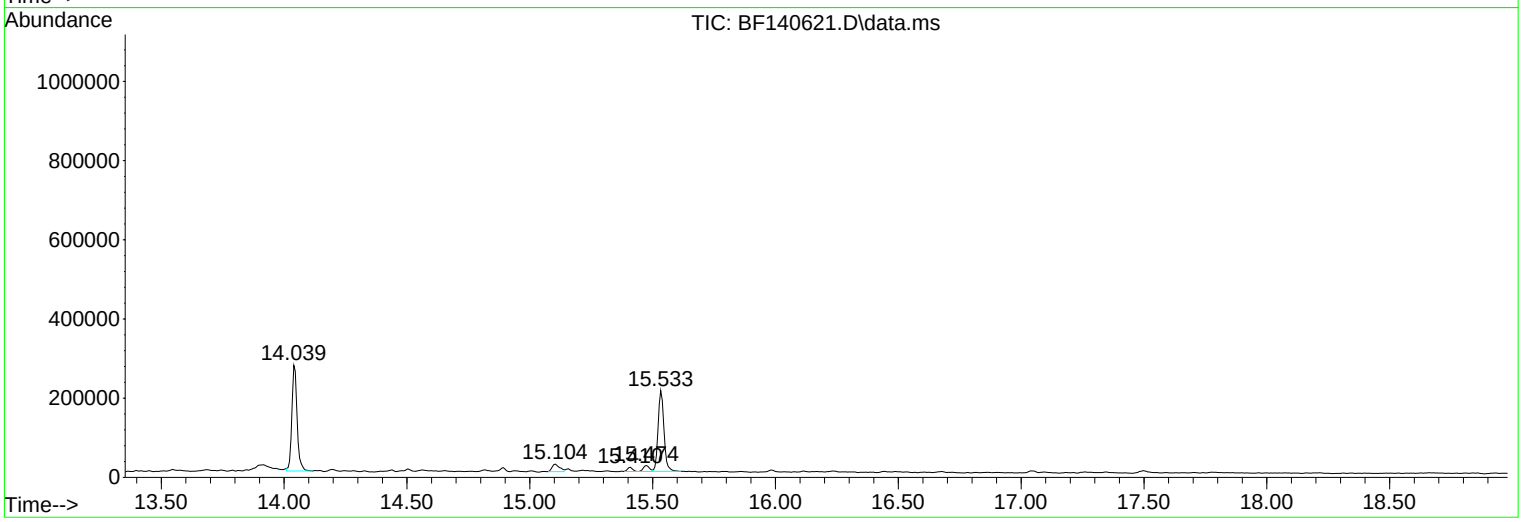
Instrument :
BNA_F
ClientSampleId :
PH2-BOT-008

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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\BF112524\
Data File : BF140621.D
Acq On : 25 Nov 2024 23:22
Operator : RC/JU
Sample : P4860-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-008

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

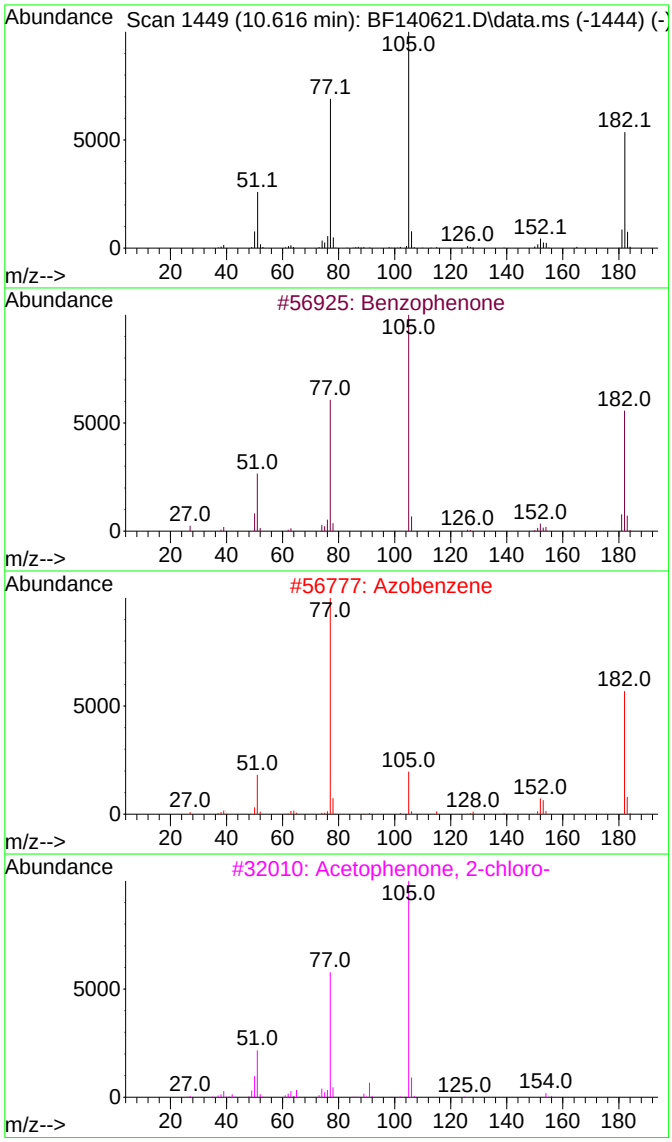
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

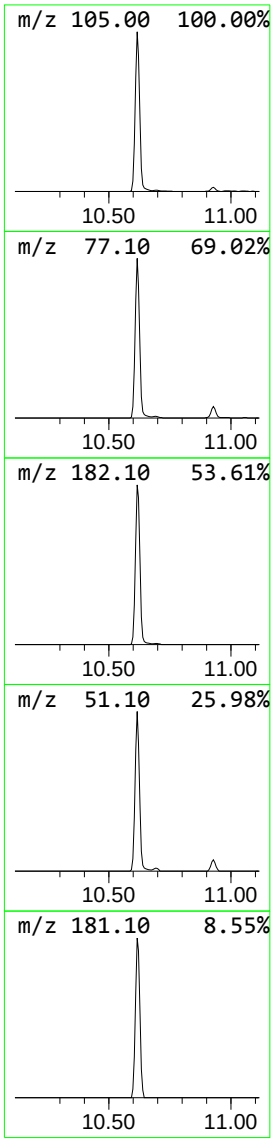
****

Peak Number 1 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	14.48 ng	342604	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	72
3	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
4	Benzoyl bromide	184	C7H5BrO	000618-32-6	47
5	Methyl 2-benzoyl-4-cyanobutanoate	231	C13H13NO3	1010486-83-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140621.D
Acq On : 25 Nov 2024 23:22
Operator : RC/JU
Sample : P4860-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-008

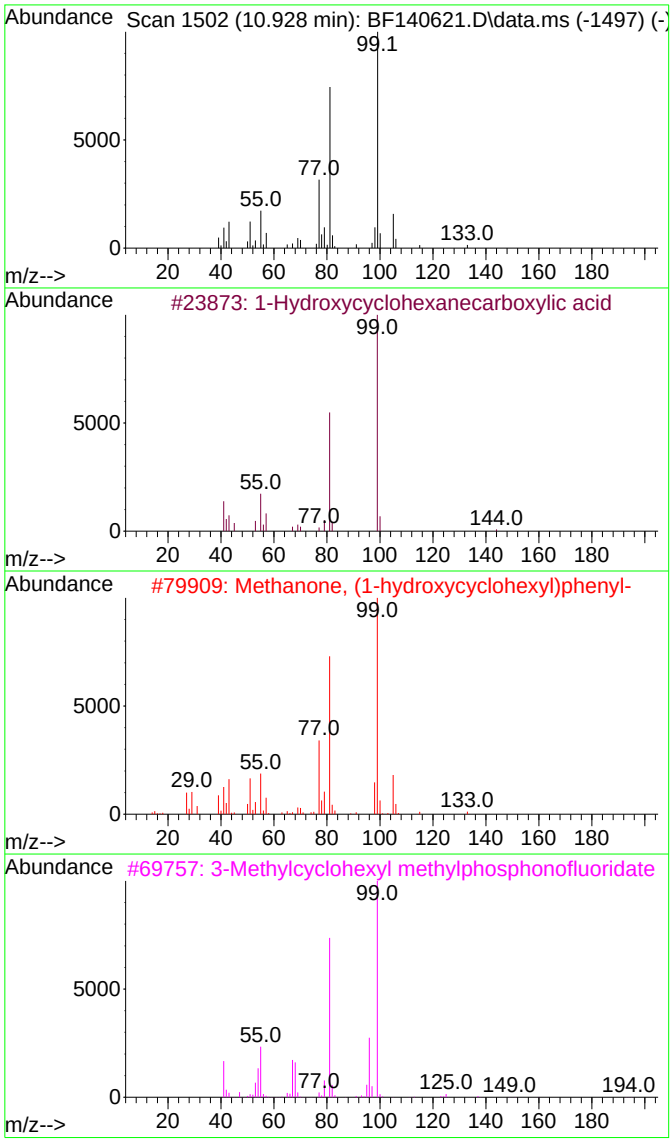
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

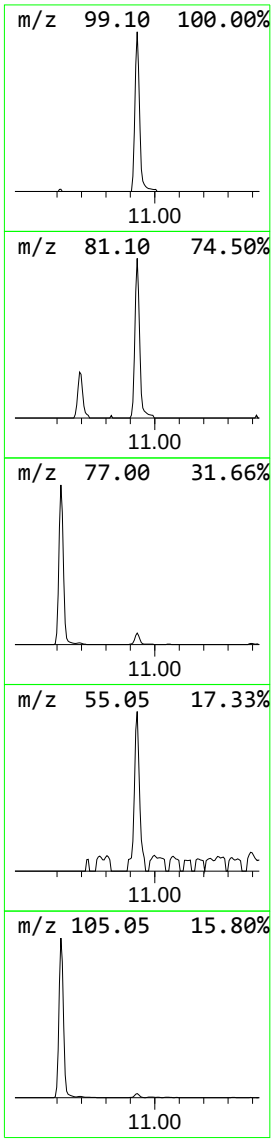
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 1-Hydroxycyclohexanecarboxy... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.928	2.17 ng	57699	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hydroxycyclohexanecarboxylic acid	144	C7H12O3	001123-28-0	59
2	Methanone, (1-hydroxycyclohexyl)...	204	C13H16O2	000947-19-3	38
3	3-Methylcyclohexyl methylphospho...	194	C8H16FO2P	113548-86-0	38
4	1,1'-Bicyclohexyl-1,1'-diol	198	C12H22O2	002888-11-1	38
5	Cyclohexanol, 1-ethyl-	128	C8H16O	001940-18-7	38





Sample Results: **BF140621.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140621.D
Acq On : 25 Nov 2024 23:22
Operator : RC/JU
Sample : P4860-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-008

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

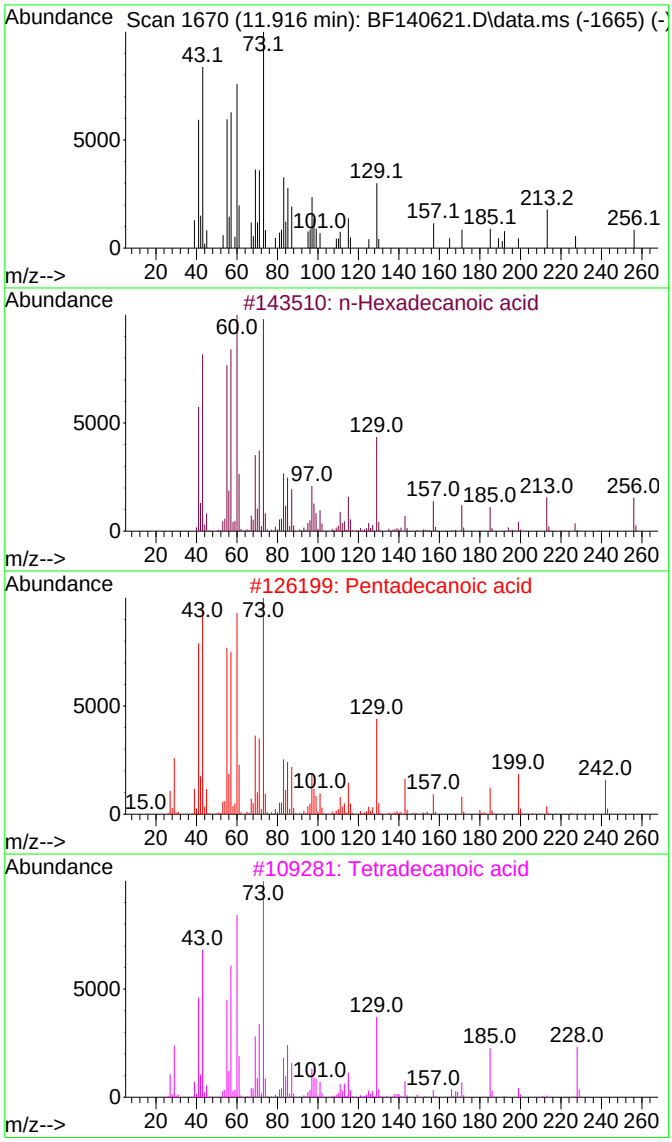
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

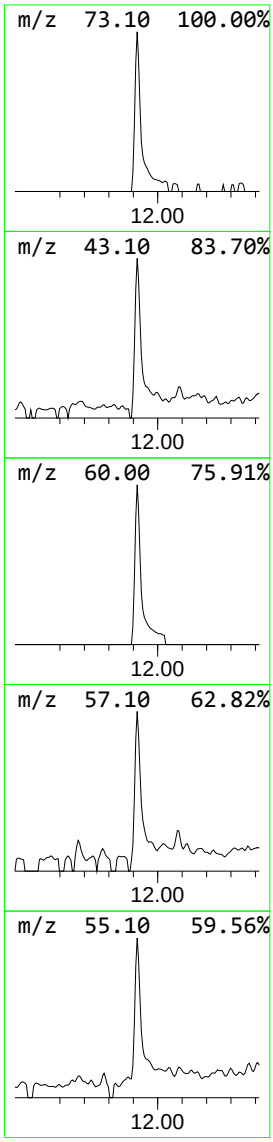
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	2.61 ng	69317	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
4	Undecanoic acid	186	C11H22O2	000112-37-8	72
5	Tridecanoic acid	214	C13H26O2	000638-53-9	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140621.D
Acq On : 25 Nov 2024 23:22
Operator : RC/JU
Sample : P4860-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-008

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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	10.616	14.5	ng	342604	3	9.904	473336	20.0
1-Hydroxycycloh...	10.928	2.2	ng	57699	4	11.392	530674	20.0
n-Hexadecanoic ...	11.916	2.6	ng	69317	4	11.392	530674	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140578.D
Acq On : 22 Nov 2024 15:32
Operator : RC/JU
Sample : P4860-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-007

Quant Time: Nov 22 15:59:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

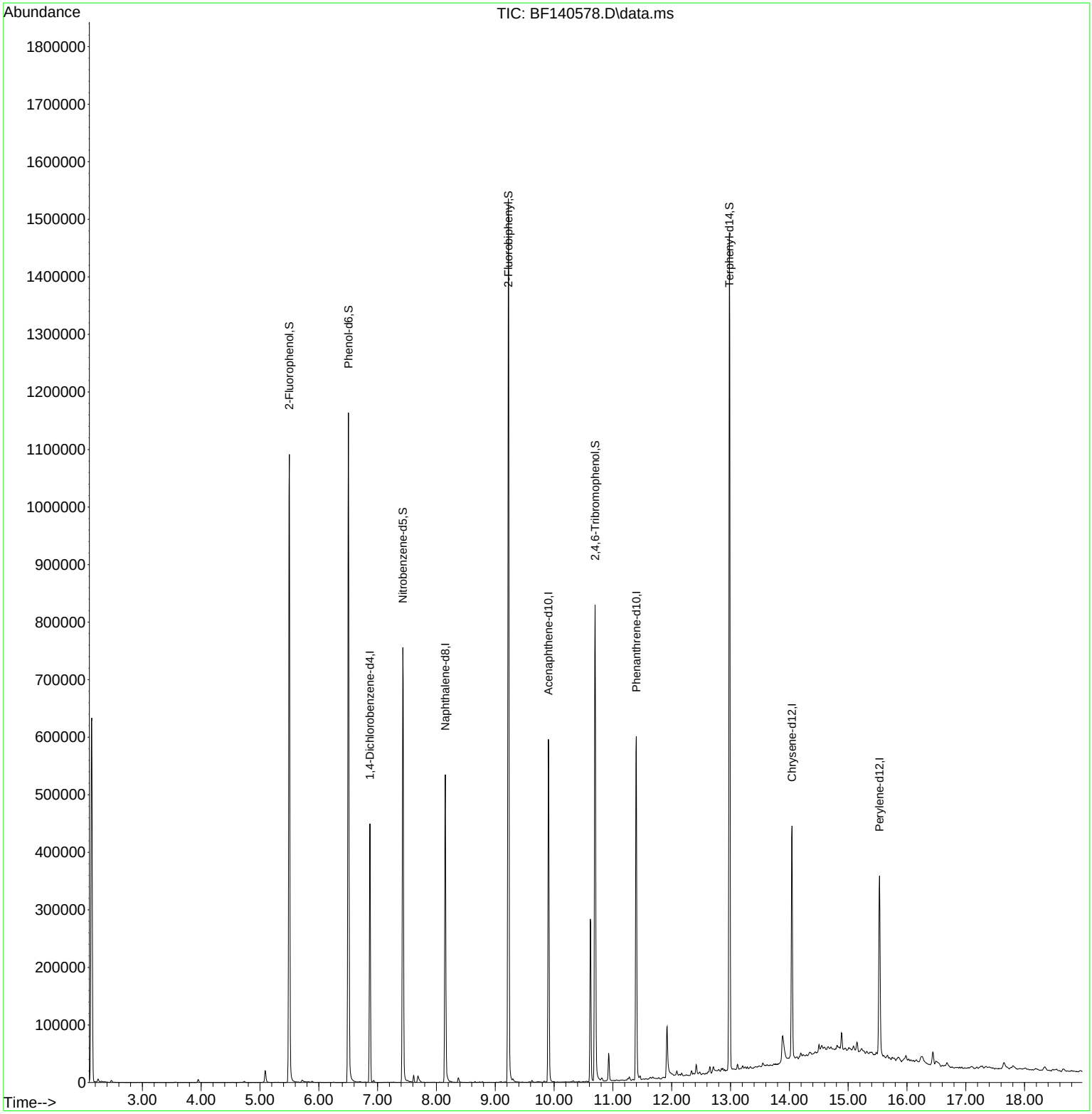
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	93283	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	346410	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	184115	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	340852	20.000	ng	0.00
76) Chrysene-d12	14.045	240	203007	20.000	ng	0.00
86) Perylene-d12	15.533	264	190451	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	411293	75.228	ng	0.00
7) Phenol-d6	6.504	99	543906	75.251	ng	-0.01
23) Nitrobenzene-d5	7.428	82	354742	52.381	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	146071	74.181	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	689195	55.773	ng	-0.01
79) Terphenyl-d14	12.980	244	705882	54.143	ng	-0.01
Target Compounds						Qvalue

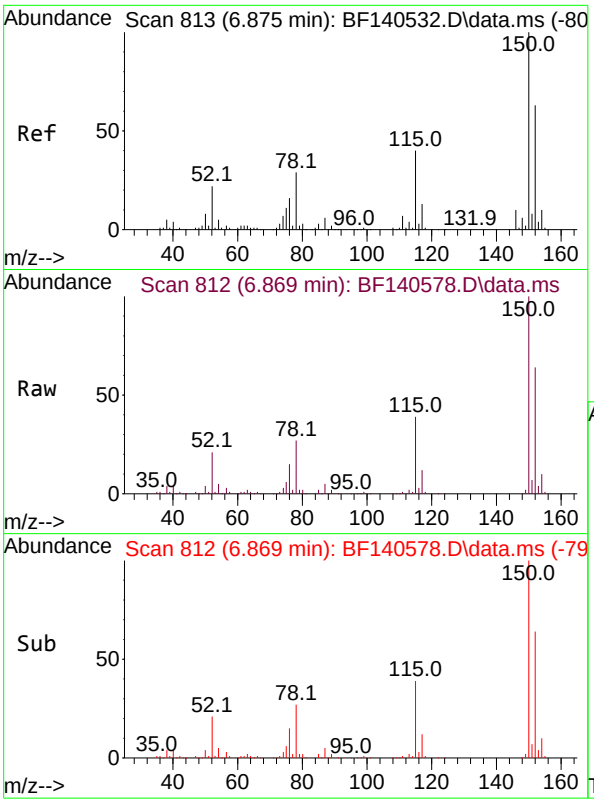
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140578.D
Acq On : 22 Nov 2024 15:32
Operator : RC/JU
Sample : P4860-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-007

Quant Time: Nov 22 15:59:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



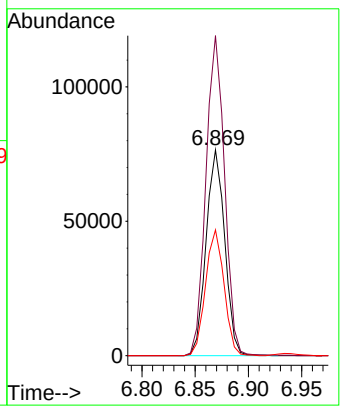


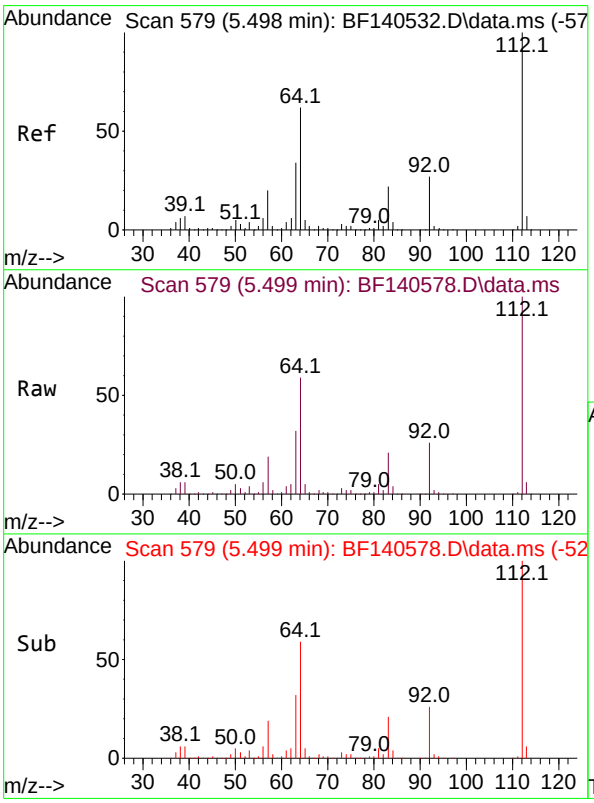
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140578.D
Acq: 22 Nov 2024 15:32

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-007

Tgt Ion:152 Resp: 93283

Ion	Ratio	Lower	Upper
152	100		
150	155.5	128.5	192.7
115	61.1	50.2	75.4

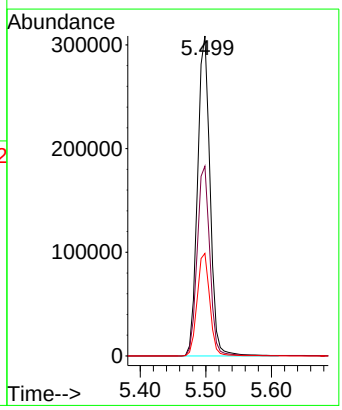


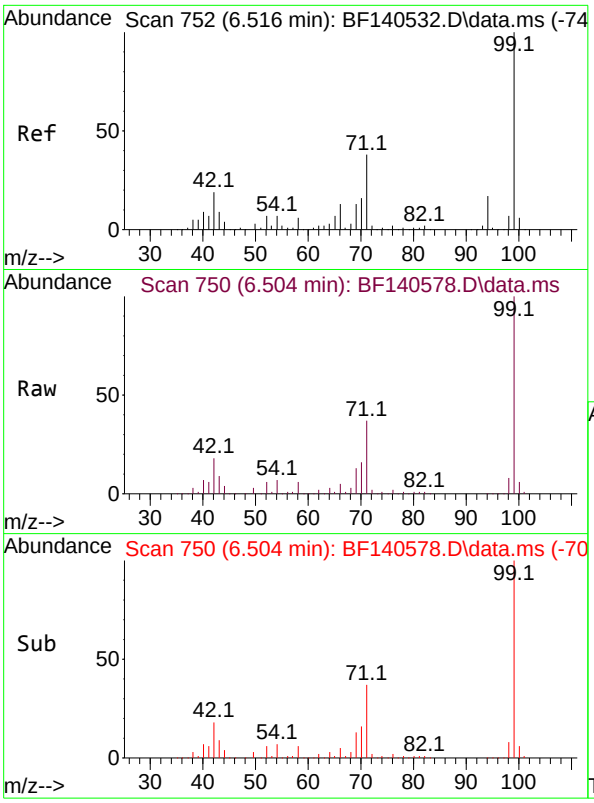


#5
2-Fluorophenol
Concen: 75.228 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140578.D
Acq: 22 Nov 2024 15:32

Tgt Ion:112 Resp: 411293

Ion	Ratio	Lower	Upper
112	100		
64	59.3	49.2	73.8
63	32.1	27.0	40.4



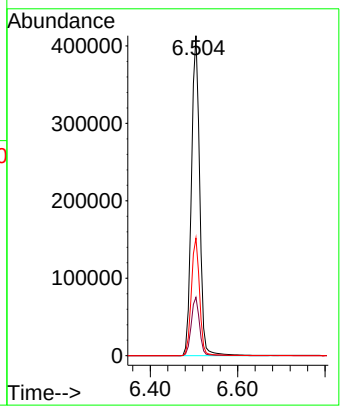


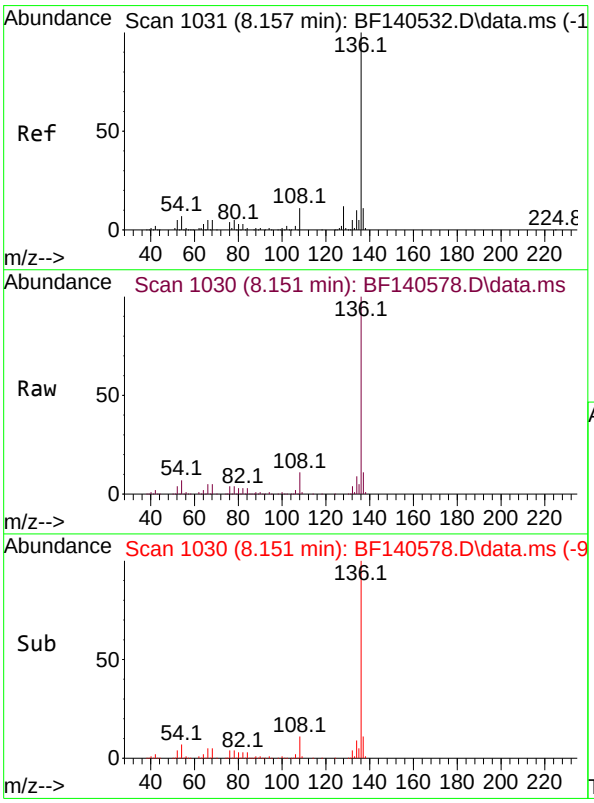
#7
Phenol-d6
Concen: 75.251 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF140578.D
Acq: 22 Nov 2024 15:32

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-007

Tgt Ion: 99 Resp: 543906

Ion	Ratio	Lower	Upper
99	100		
42	18.2	15.4	23.0
71	36.7	30.6	46.0

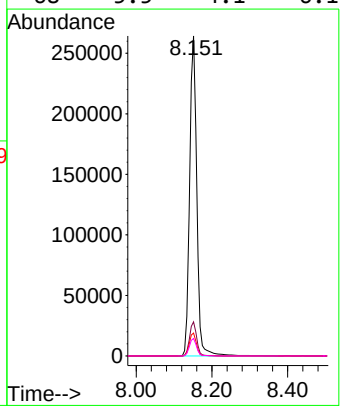


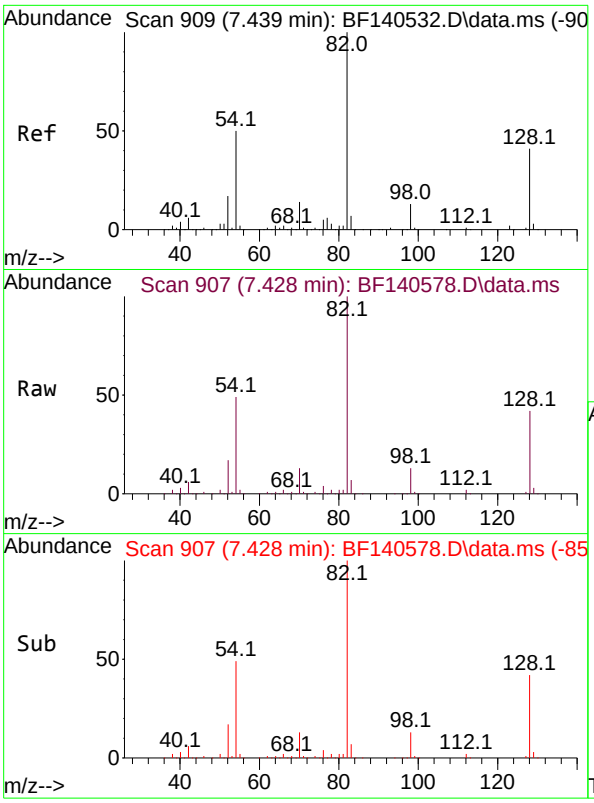


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140578.D
Acq: 22 Nov 2024 15:32

Tgt Ion:136 Resp: 346410

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	7.2	5.8	8.8
68	5.5	4.1	6.1



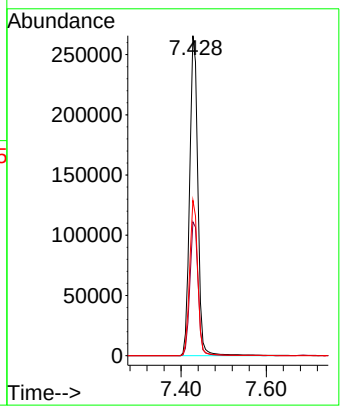


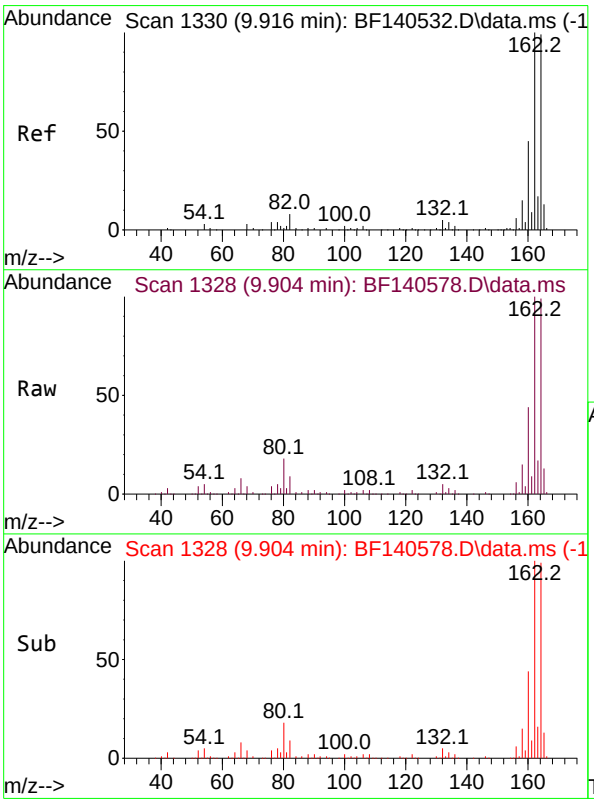
#23
Nitrobenzene-d5
Concen: 52.381 ng
RT: 7.428 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF140578.D
Acq: 22 Nov 2024 15:32

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-007

Tgt Ion: 82 Resp: 354742

Ion	Ratio	Lower	Upper
82	100		
128	41.8	33.0	49.4
54	48.6	39.5	59.3

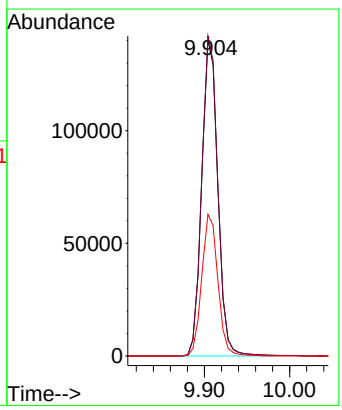


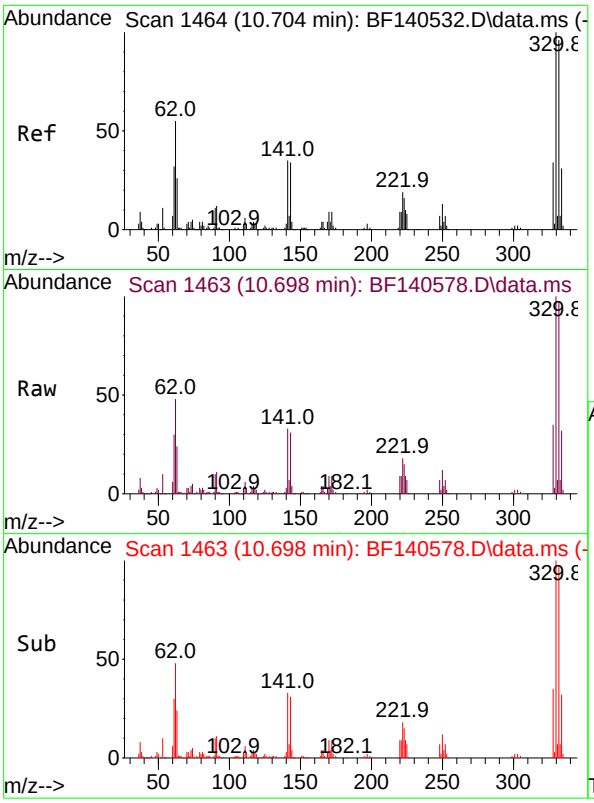


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140578.D
Acq: 22 Nov 2024 15:32

Tgt Ion:164 Resp: 184115

Ion	Ratio	Lower	Upper
164	100		
162	101.3	80.6	120.8
160	44.8	36.2	54.4



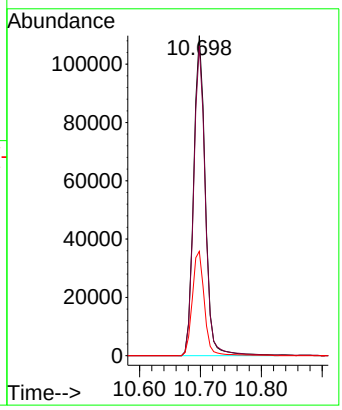


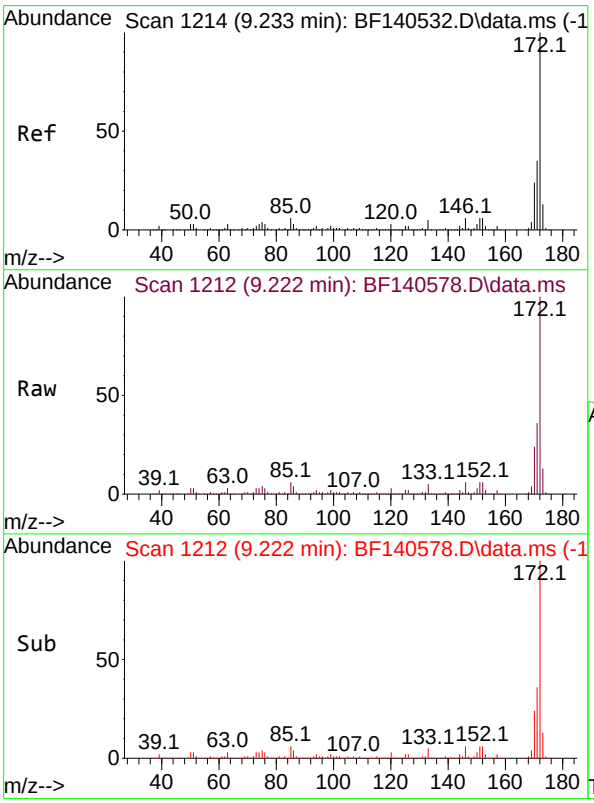
#42
2,4,6-Tribromophenol
Concen: 74.181 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140578.D
Acq: 22 Nov 2024 15:32

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-007

Tgt Ion:330 Resp: 146071

Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.9	115.3
141	33.9	26.7	40.1

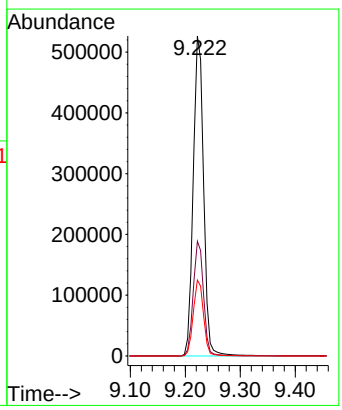


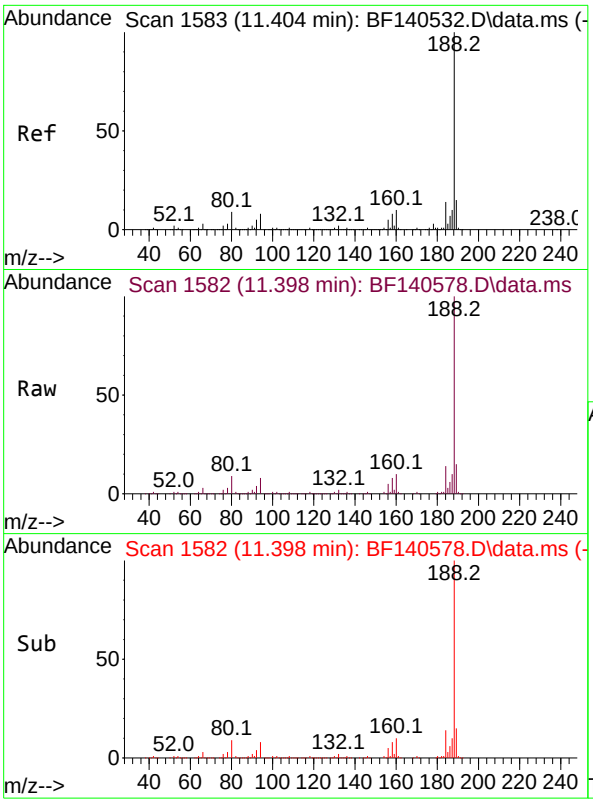


#45
2-Fluorobiphenyl
Concen: 55.773 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140578.D
Acq: 22 Nov 2024 15:32

Tgt Ion:172 Resp: 689195

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.4	42.6
170	23.7	19.0	28.6



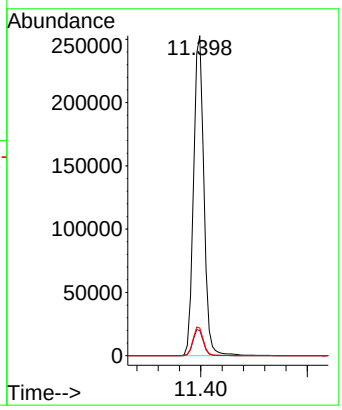


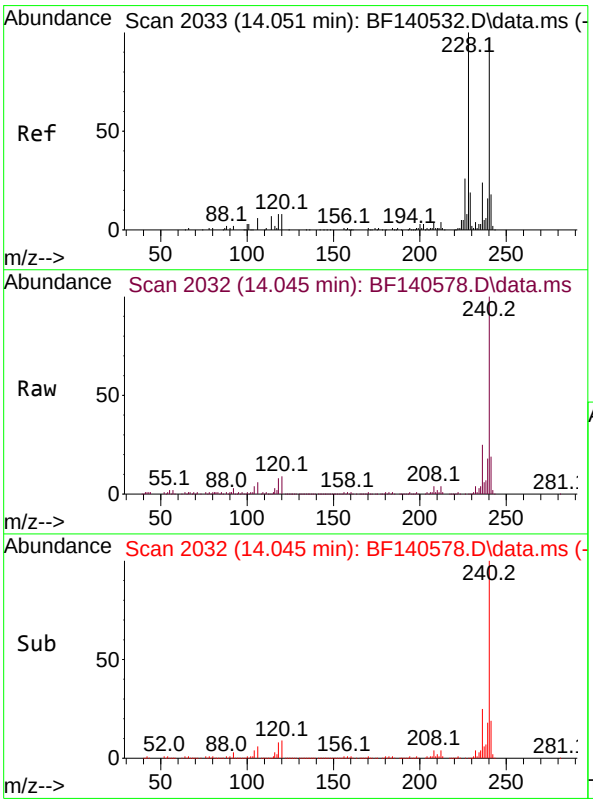
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140578.D
Acq: 22 Nov 2024 15:32

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-007

Tgt Ion:188 Resp: 340852

Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.4	9.6
80	8.6	6.9	10.3

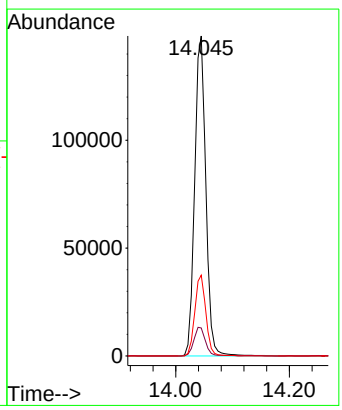


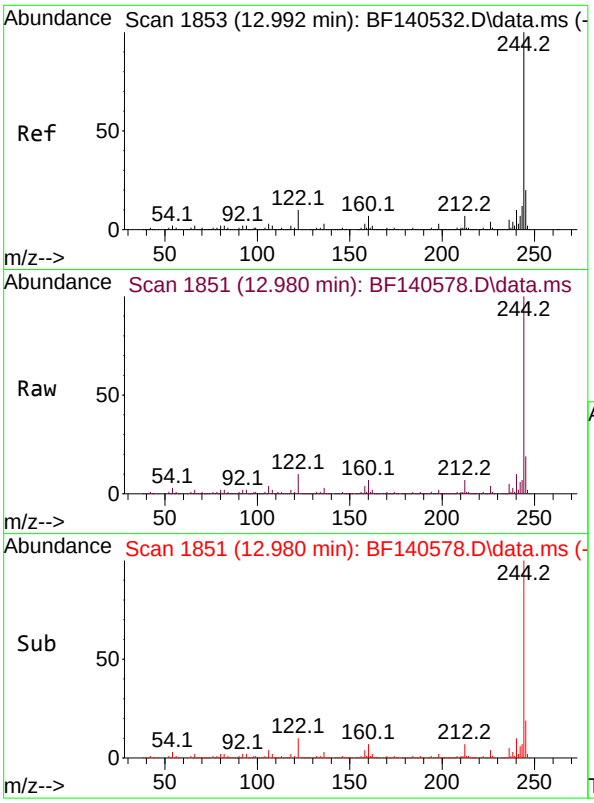


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140578.D
Acq: 22 Nov 2024 15:32

Tgt Ion:240 Resp: 203007

Ion	Ratio	Lower	Upper
240	100		
120	8.7	7.3	10.9
236	25.3	20.6	31.0



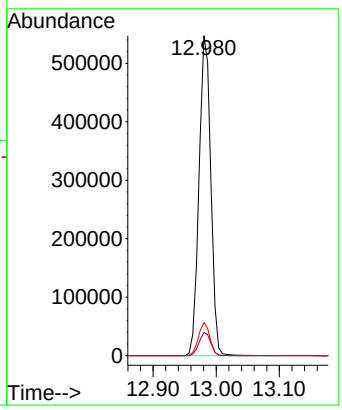


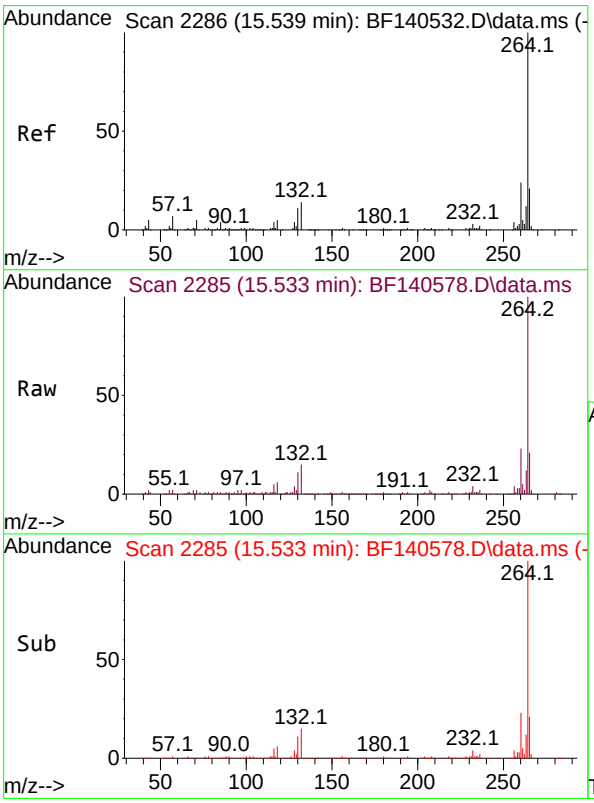
#79
Terphenyl-d14
Concen: 54.143 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140578.D
Acq: 22 Nov 2024 15:32

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-007

Tgt Ion:244 Resp: 705882

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	10.4	8.0	12.0

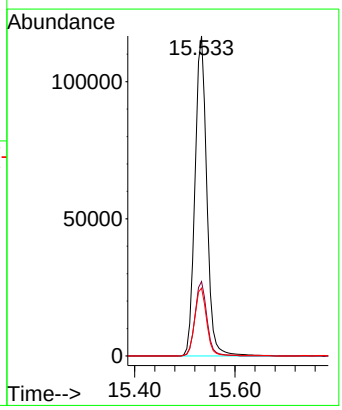




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF140578.D
Acq: 22 Nov 2024 15:32

Tgt Ion:264 Resp: 190451

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.0	28.6
265	21.2	16.6	25.0



Sample Results: **BF140578.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140578.D
Acq On : 22 Nov 2024 15:32
Operator : RC/JU
Sample : P4860-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-007

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-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140578.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.140	3	8	15	rVB	632045	997274	50.50%	6.785%
2	5.087	501	509	520	rBV	20430	34982	1.77%	0.238%
3	5.499	573	579	598	rBV	1091468	1462476	74.05%	9.951%
4	6.504	744	750	774	rBV	1163733	1541971	78.08%	10.492%
5	6.869	807	812	817	rBV	449413	544959	27.59%	3.708%
6	7.428	902	907	918	rBV	755586	995695	50.42%	6.775%
7	7.687	947	951	963	rVB	11169	23683	1.20%	0.161%
8	8.151	1024	1030	1043	rBV	534347	690774	34.98%	4.700%
9	9.222	1207	1212	1223	rBV	1535184	1974892	100.00%	13.437%
10	9.904	1323	1328	1341	rBV	595458	773003	39.14%	5.260%
11	10.616	1445	1449	1458	rBV	282552	368338	18.65%	2.506%
12	10.698	1458	1463	1478	rVV	826556	1113695	56.39%	7.578%
13	10.928	1495	1502	1512	rBV	47805	65079	3.30%	0.443%
14	11.398	1576	1582	1590	rBV	597238	805271	40.78%	5.479%
15	11.922	1666	1671	1680	rBV	88391	156485	7.92%	1.065%
16	12.416	1751	1755	1761	rBV	16245	22820	1.16%	0.155%
17	12.980	1846	1851	1859	rBV	1454675	1855529	93.96%	12.625%
18	13.886	2000	2005	2018	rBV4	42820	123822	6.27%	0.842%
19	14.045	2027	2032	2041	rVB	403201	552594	27.98%	3.760%
20	14.886	2172	2175	2180	rVB	28716	39381	1.99%	0.268%
21	15.533	2279	2285	2295	rVB	312999	518542	26.26%	3.528%
22	16.439	2435	2439	2444	rVB4	20877	35879	1.82%	0.244%

Sum of corrected areas: 14697144

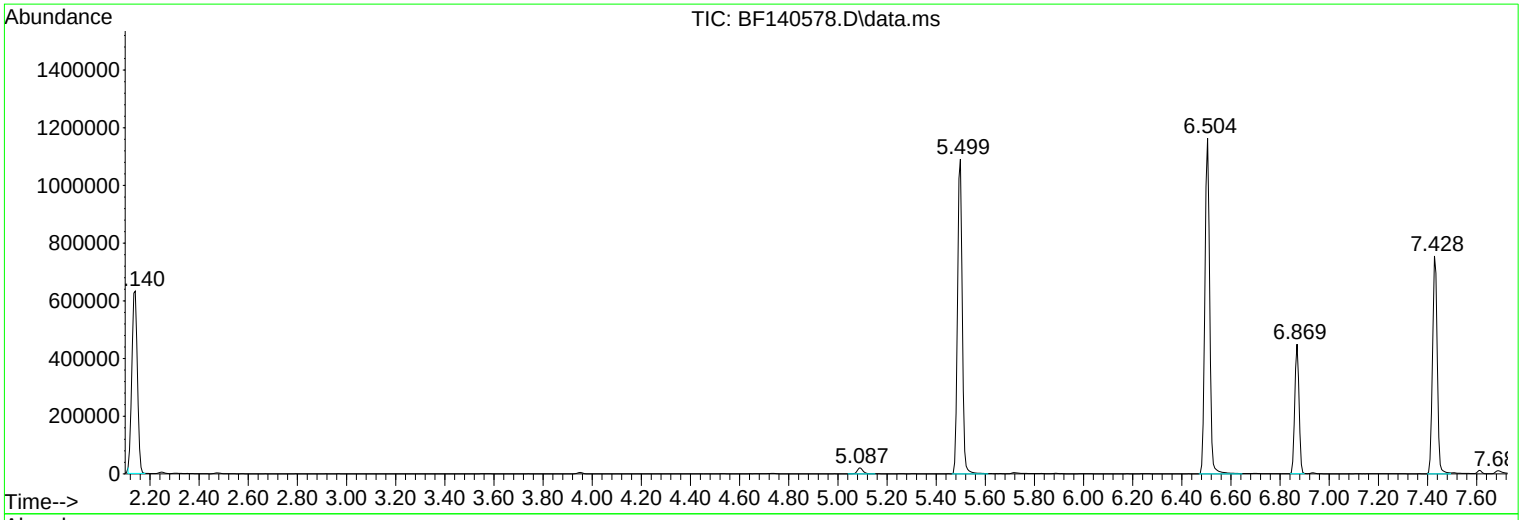
Sample Results: **BF140578.D**

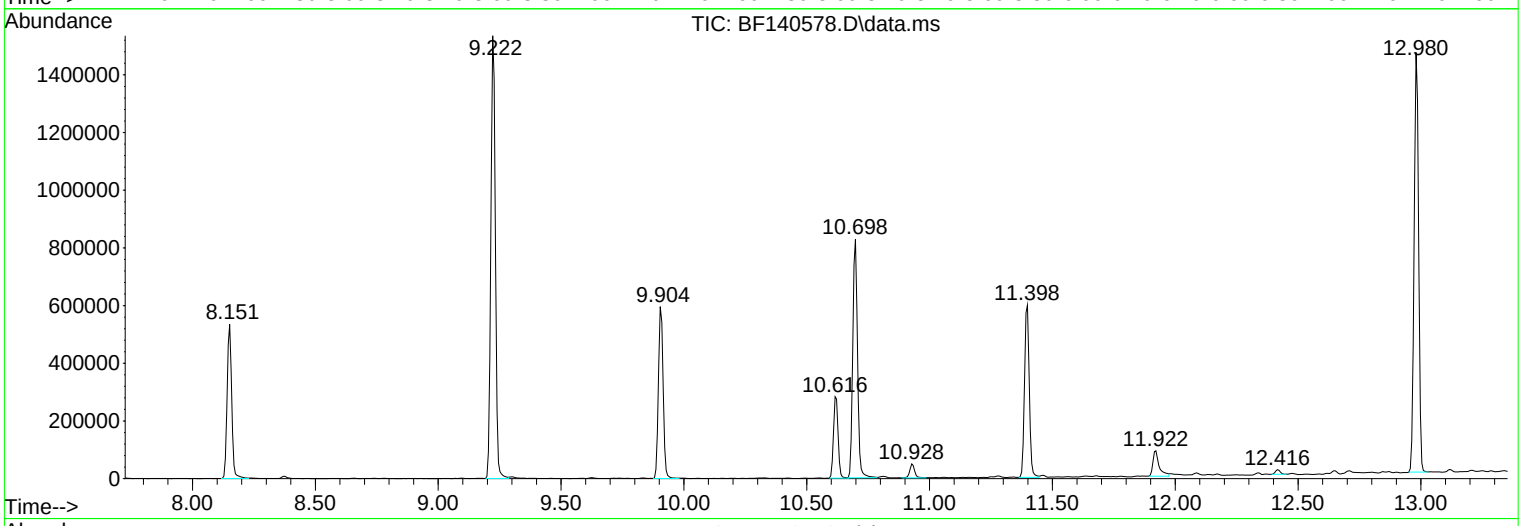
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140578.D
Acq On : 22 Nov 2024 15:32
Operator : RC/JU
Sample : P4860-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

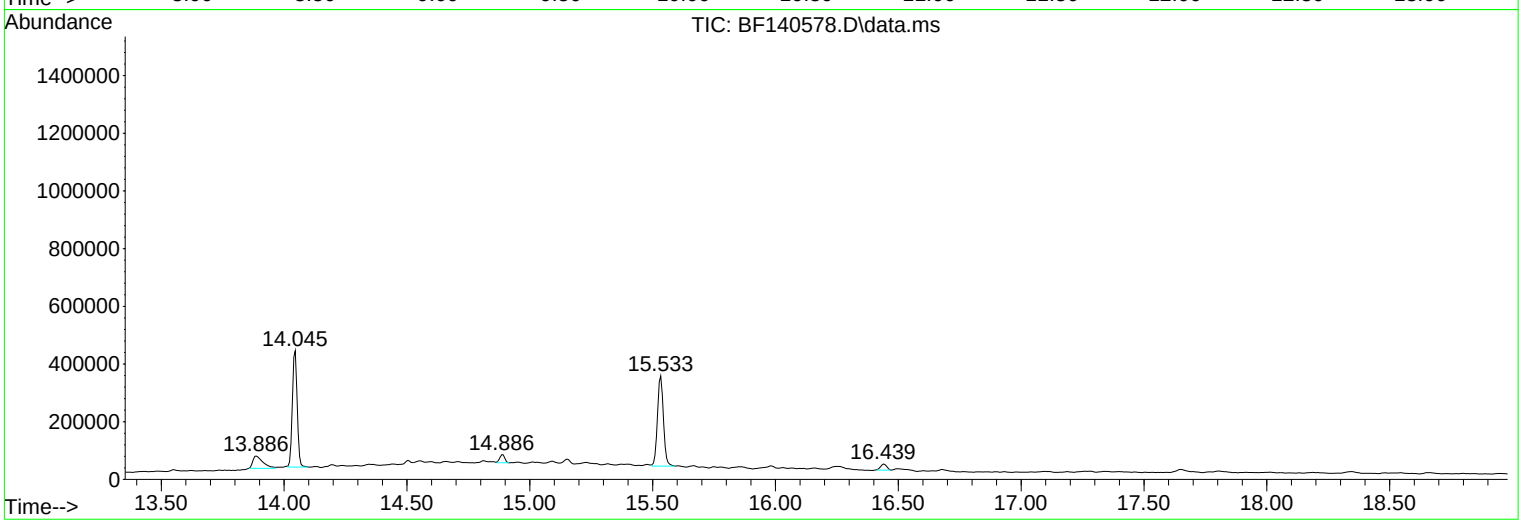
Instrument :
BNA_F
ClientSampleId :
PH2-BOT-007

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Sample Results: **BF140578.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140578.D
Acq On : 22 Nov 2024 15:32
Operator : RC/JU
Sample : P4860-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-007

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

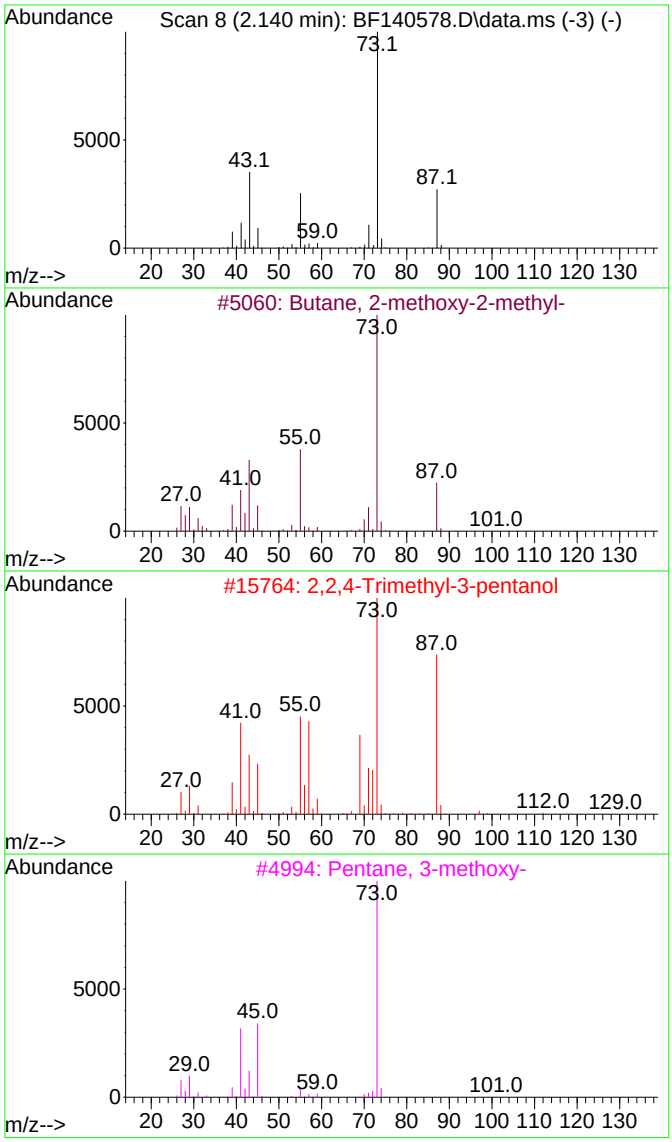
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

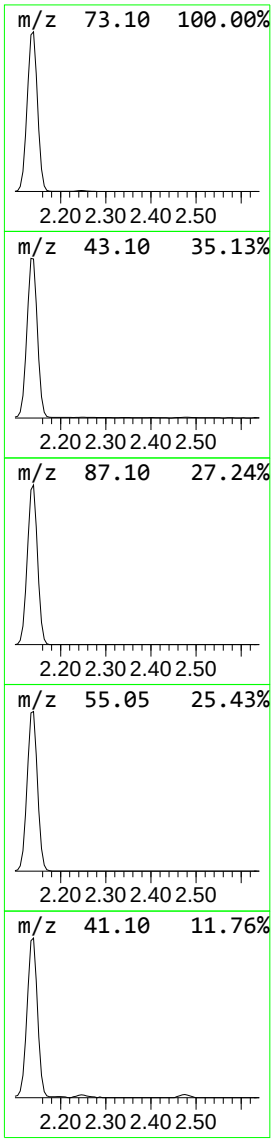
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.140	36.60 ng	997274	1,4-Dichlorobenzene-d4	6.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	12
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140578.D
Acq On : 22 Nov 2024 15:32
Operator : RC/JU
Sample : P4860-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-007

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

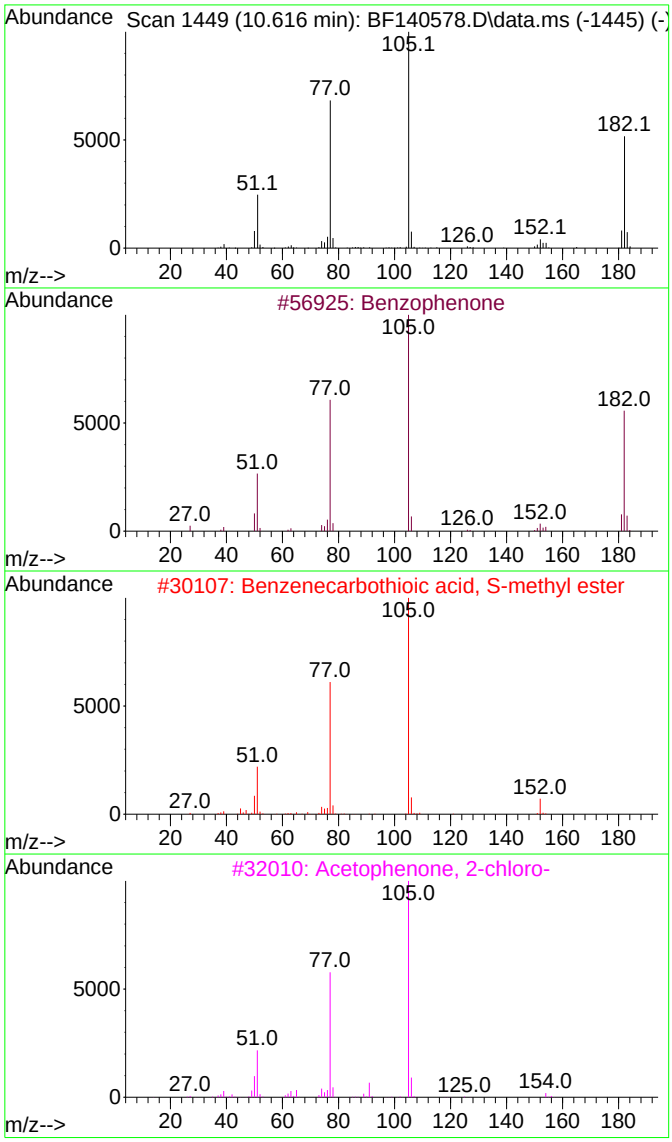
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

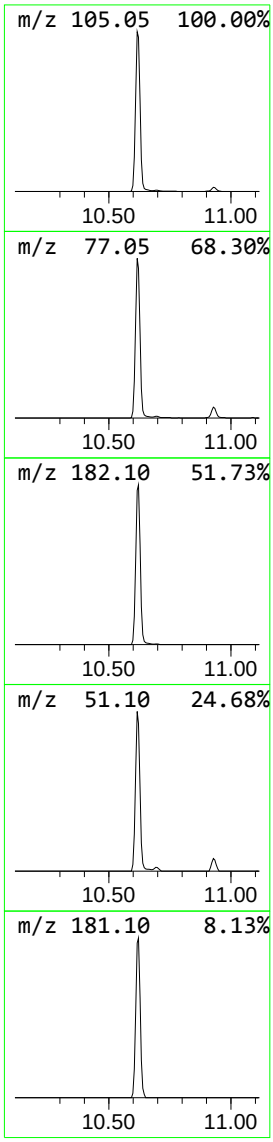
****

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	9.53 ng	368338	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	52
3	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
4	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	47
5	.alpha.,.alpha.-Dichloroacetophe...	188	C8H6Cl2O	002648-61-5	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140578.D
Acq On : 22 Nov 2024 15:32
Operator : RC/JU
Sample : P4860-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-007

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

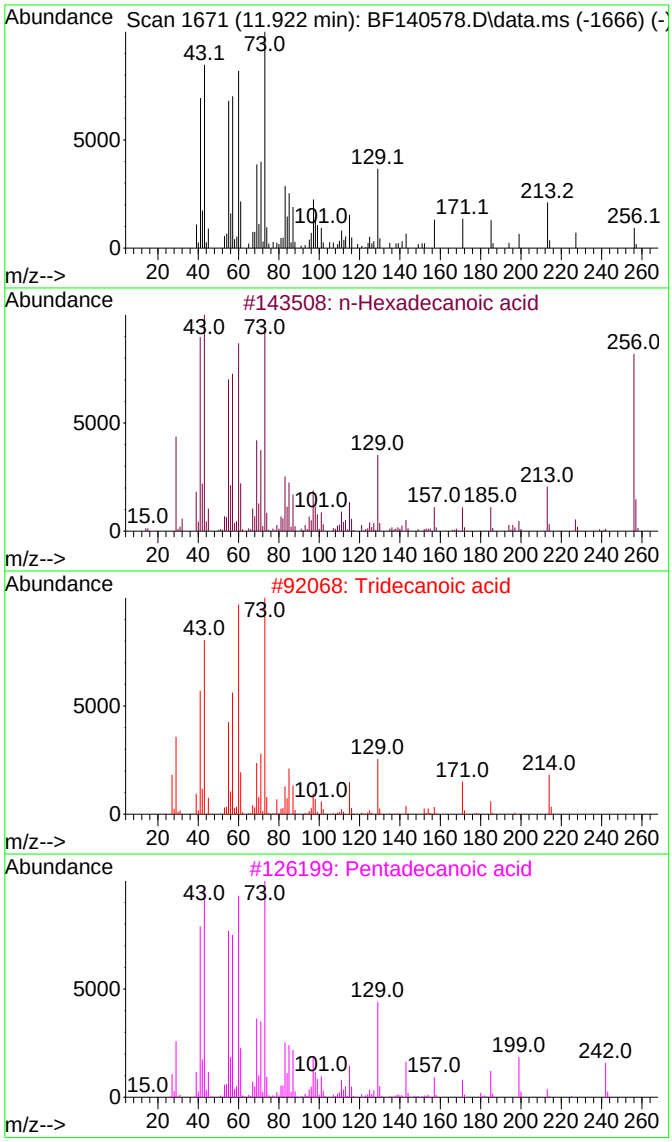
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

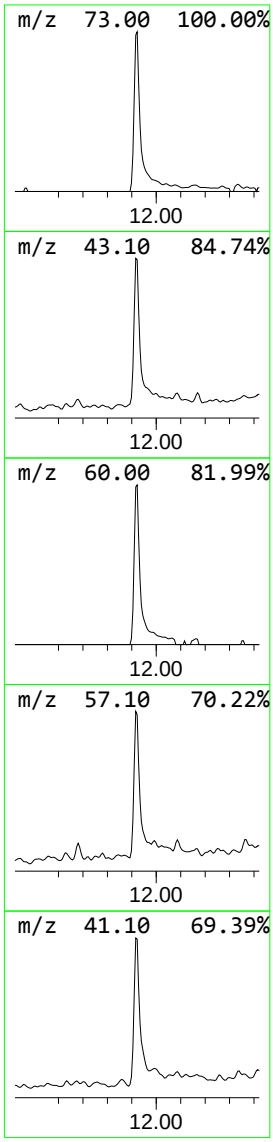
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	3.89 ng	156485	Phenanthrene-d10	11.398

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	87
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5	Estra-1,3,5(10)-trien-17.beta.-ol	256	C18H24O	002529-64-8	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140578.D
Acq On : 22 Nov 2024 15:32
Operator : RC/JU
Sample : P4860-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-007

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

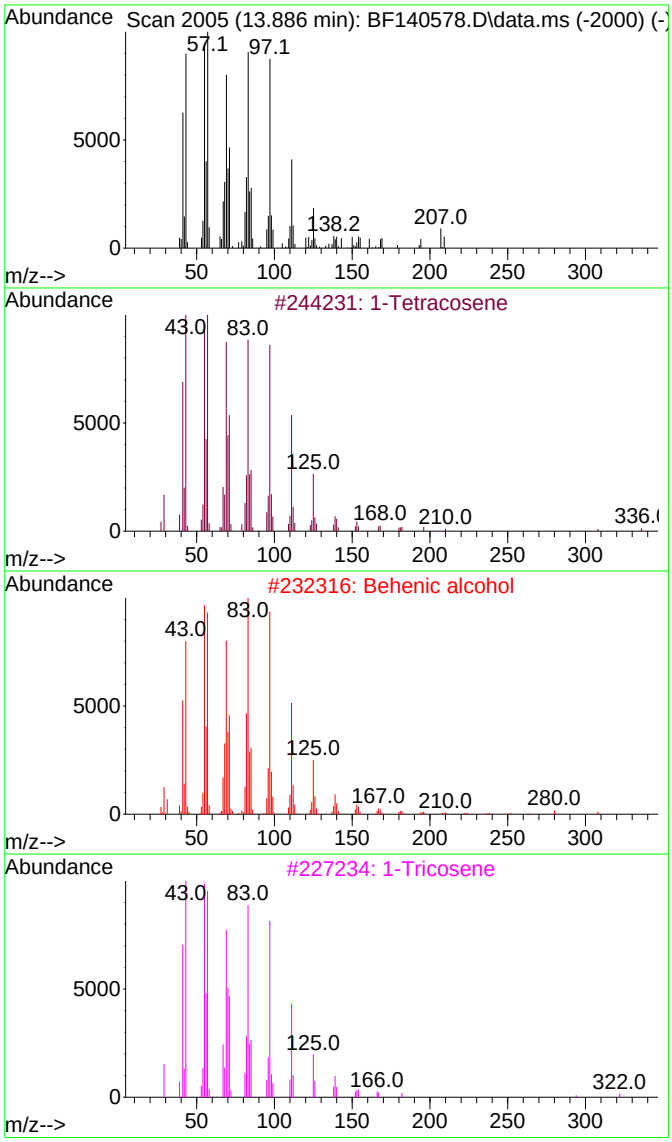
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

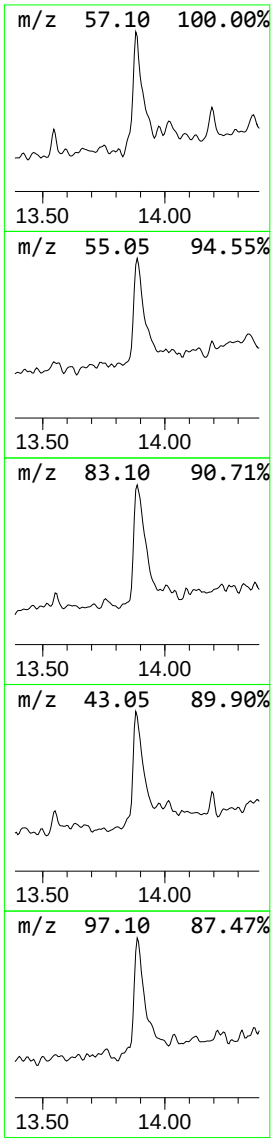
****

Peak Number 4 1-Tetracosene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.886	4.48 ng	123822	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Tetracosene	336	C24H48	010192-32-2	94
2	Behenic alcohol	326	C22H46O	000661-19-8	94
3	1-Tricosene	322	C23H46	018835-32-0	94
4	1-Heneicosanol	312	C21H44O	015594-90-8	94
5	1-Hexacosene	364	C26H52	018835-33-1	94





Sample Results: **BF140578.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140578.D
Acq On : 22 Nov 2024 15:32
Operator : RC/JU
Sample : P4860-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-007

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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...	2.140	36.6	ng	997274	1	6.869	544959	20.0
Benzophenone	10.616	9.5	ng	368338	3	9.904	773003	20.0
n-Hexadecanoic ...	11.922	3.9	ng	156485	4	11.398	805271	20.0
1-Tetracosene	13.886	4.5	ng	123822	5	14.045	552594	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140608.D
Acq On : 25 Nov 2024 17:41
Operator : RC/JU
Sample : P4860-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006

Quant Time: Nov 26 00:08:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

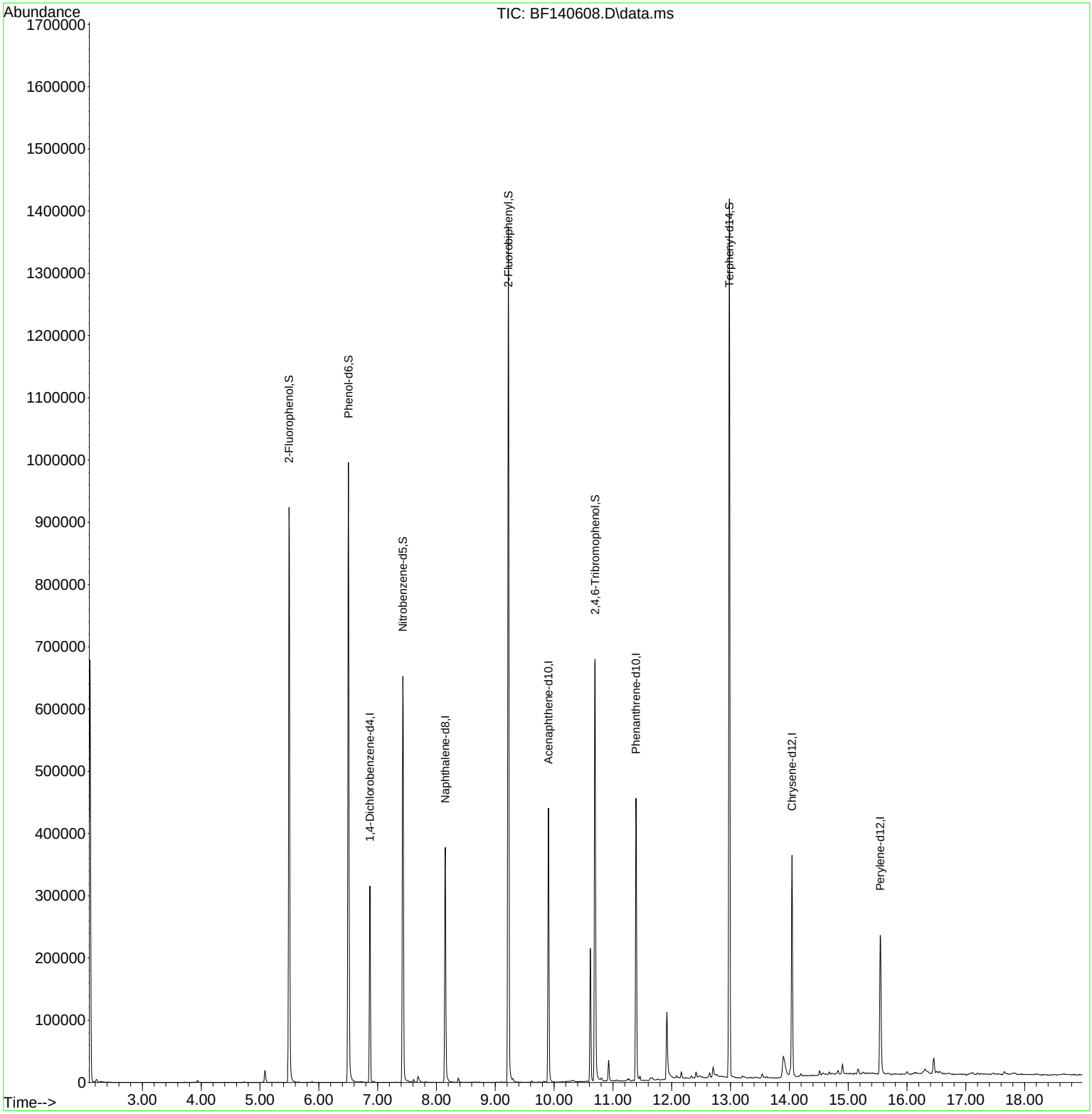
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	65730	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	249226	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	135754	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	253640	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	176049	20.000	ng	0.00
86) Perylene-d12	15.545	264	146465	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	350615	91.012	ng	0.00
7) Phenol-d6	6.504	99	460783	90.475	ng	-0.01
23) Nitrobenzene-d5	7.428	82	307735	63.158	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	124598	85.817	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	607797	66.708	ng	-0.01
79) Terphenyl-d14	12.980	244	684477	60.541	ng	-0.01
Target Compounds						Qvalue

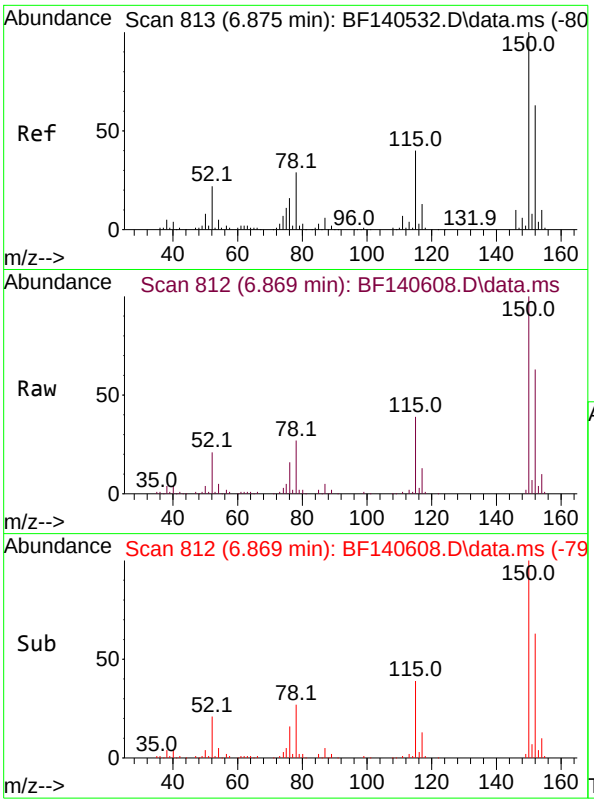
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140608.D
Acq On : 25 Nov 2024 17:41
Operator : RC/JU
Sample : P4860-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006

Quant Time: Nov 26 00:08:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



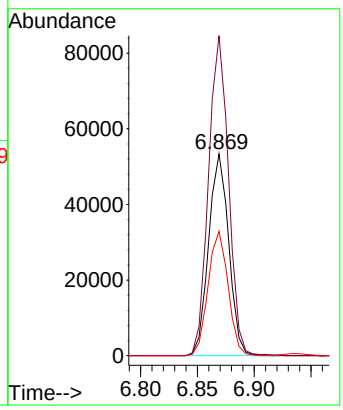


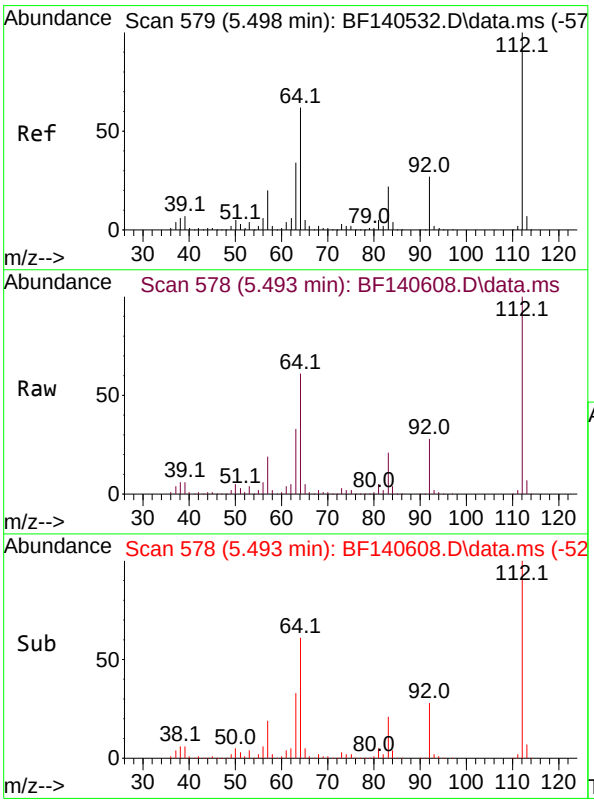
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140608.D
Acq: 25 Nov 2024 17:41

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006

Tgt Ion:152 Resp: 65730

Ion	Ratio	Lower	Upper
152	100		
150	158.6	128.5	192.7
115	61.6	50.2	75.4

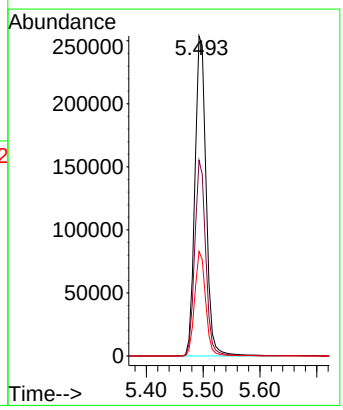


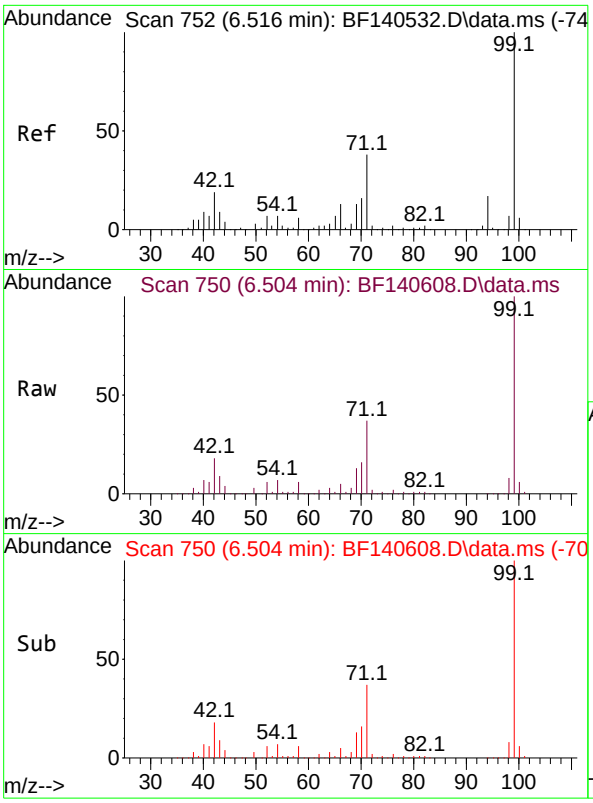


#5
2-Fluorophenol
Concen: 91.012 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF140608.D
Acq: 25 Nov 2024 17:41

Tgt Ion:112 Resp: 350615

Ion	Ratio	Lower	Upper
112	100		
64	61.1	49.2	73.8
63	32.7	27.0	40.4



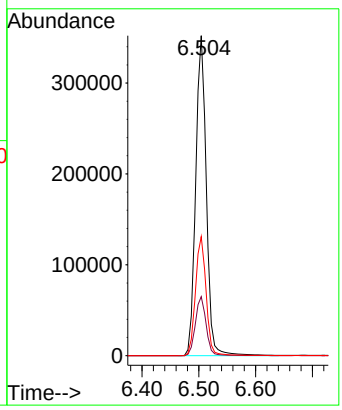


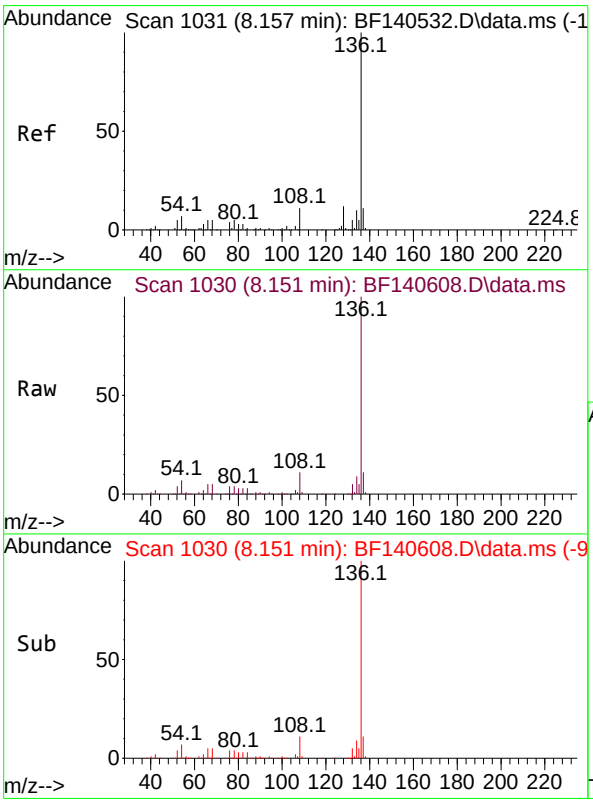
#7
Phenol-d6
Concen: 90.475 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF140608.D
Acq: 25 Nov 2024 17:41

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006

Tgt Ion: 99 Resp: 460783

Ion	Ratio	Lower	Upper
99	100		
42	18.5	15.4	23.0
71	37.2	30.6	46.0

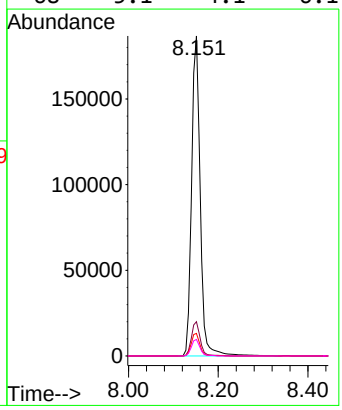


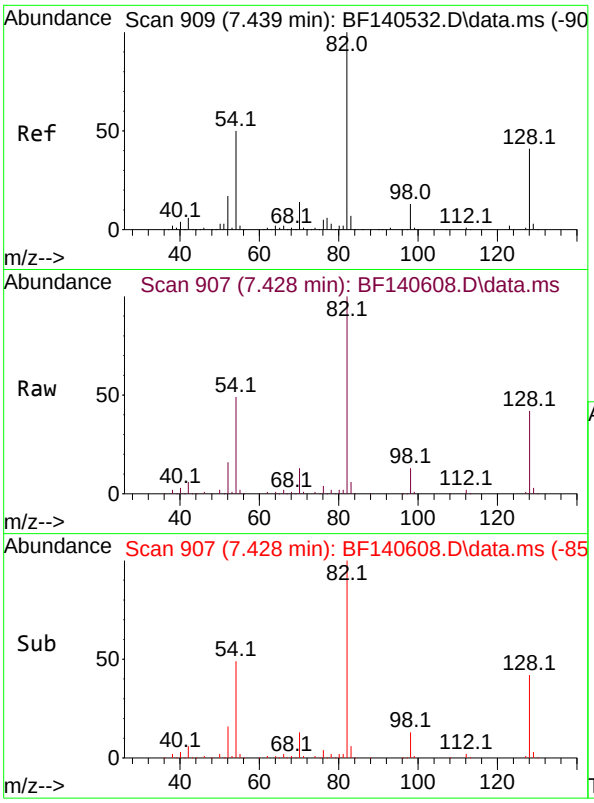


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140608.D
Acq: 25 Nov 2024 17:41

Tgt Ion:136 Resp: 249226

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	7.1	5.8	8.8
68	5.1	4.1	6.1



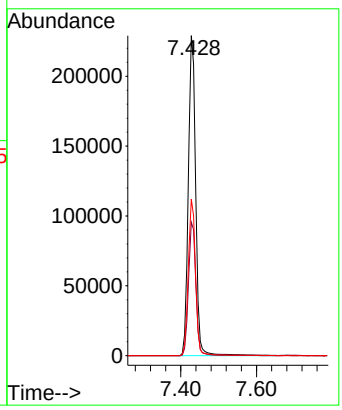


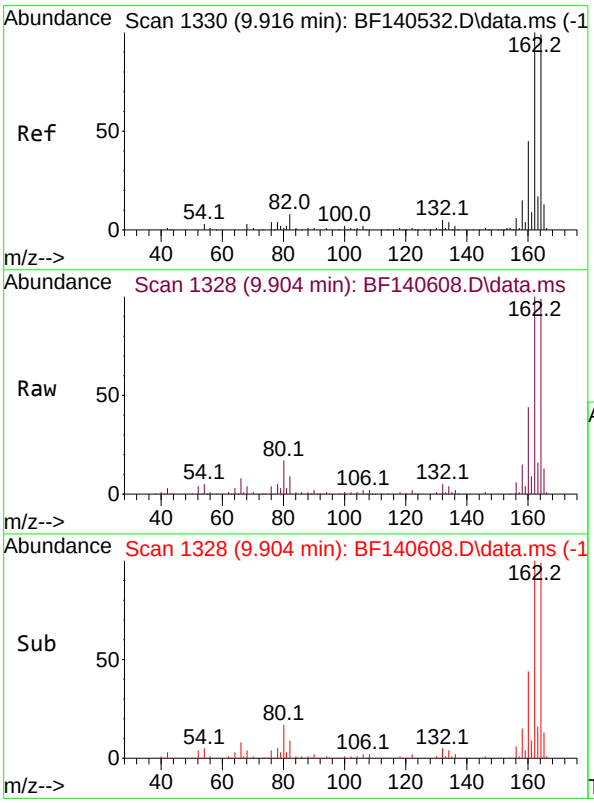
#23
Nitrobenzene-d5
Concen: 63.158 ng
RT: 7.428 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF140608.D
Acq: 25 Nov 2024 17:41

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006

Tgt Ion: 82 Resp: 307735

Ion	Ratio	Lower	Upper
82	100		
128	41.7	33.0	49.4
54	49.0	39.5	59.3

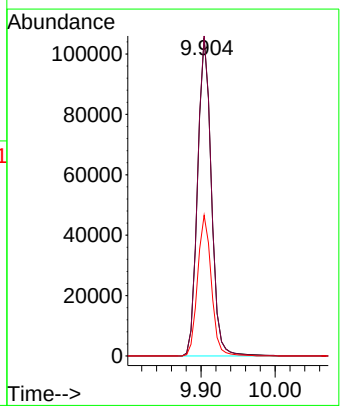


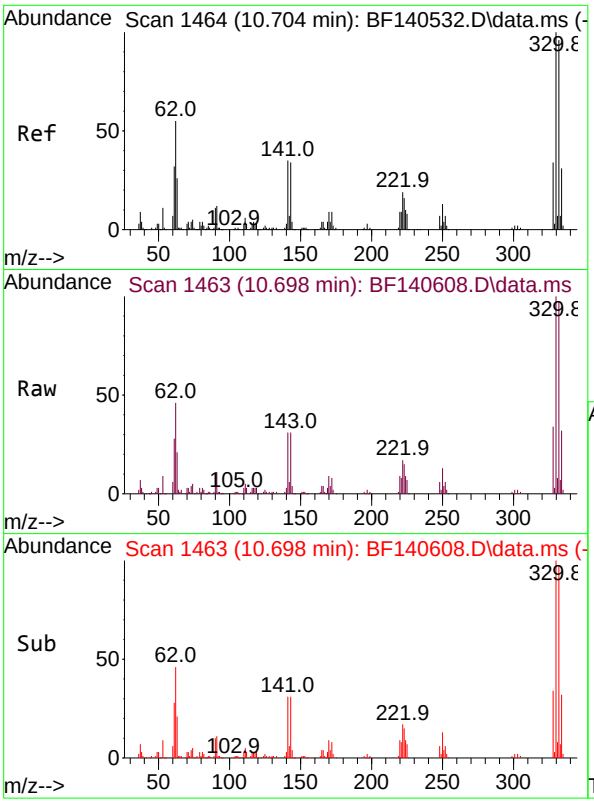


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140608.D
Acq: 25 Nov 2024 17:41

Tgt Ion:164 Resp: 135754

Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.6	120.8
160	44.2	36.2	54.4



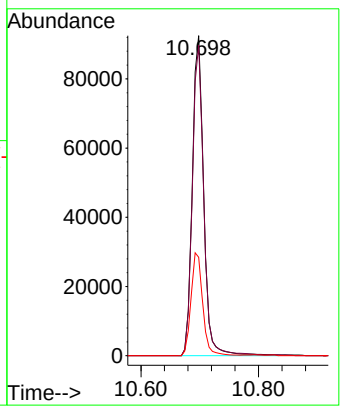


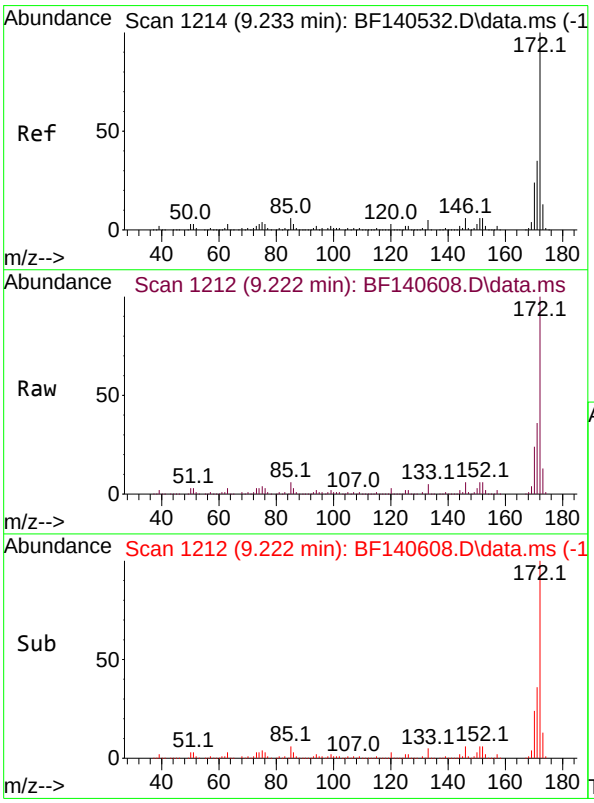
#42
2,4,6-Tribromophenol
Concen: 85.817 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140608.D
Acq: 25 Nov 2024 17:41

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006

Tgt Ion:330 Resp: 124598

Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.9	115.3
141	33.1	26.7	40.1

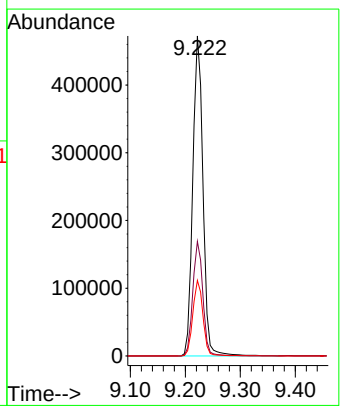


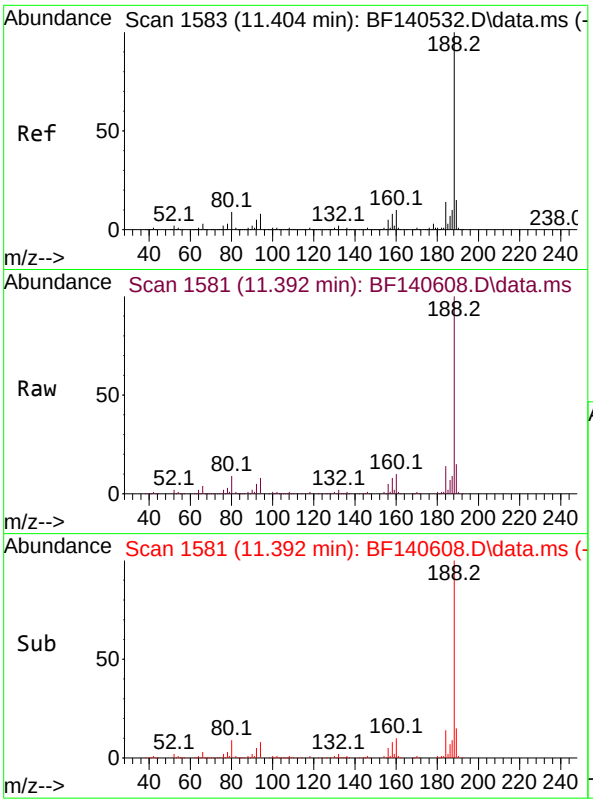


#45
2-Fluorobiphenyl
Concen: 66.708 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140608.D
Acq: 25 Nov 2024 17:41

Tgt Ion:172 Resp: 607797

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.4	42.6
170	23.6	19.0	28.6



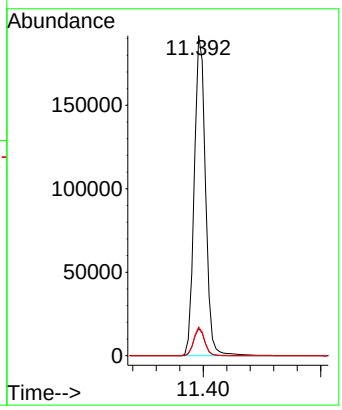


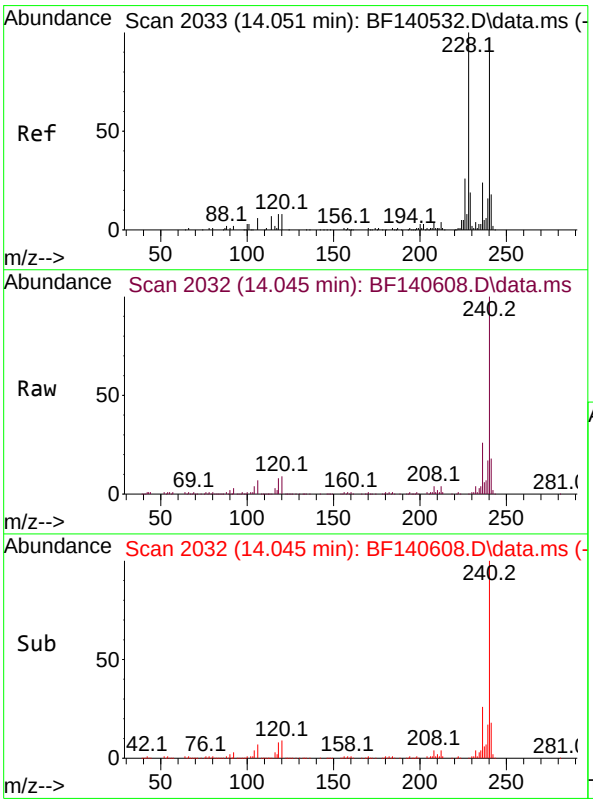
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140608.D
Acq: 25 Nov 2024 17:41

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006

Tgt Ion:188 Resp: 253640

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.4	9.6
80	8.9	6.9	10.3

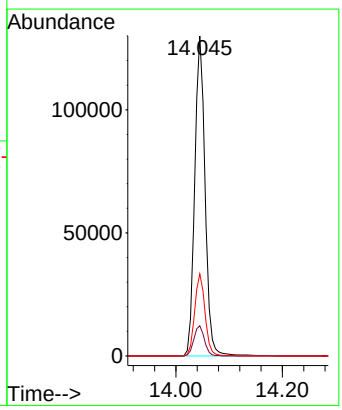


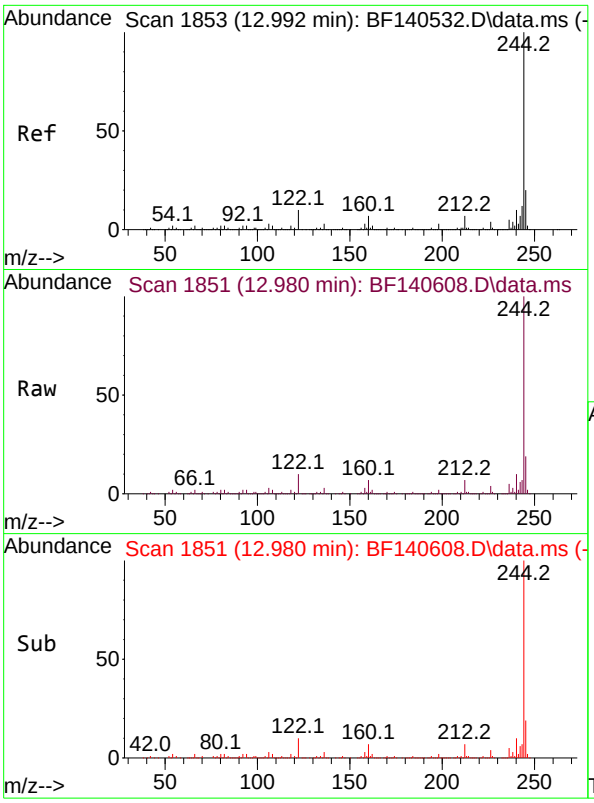


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140608.D
Acq: 25 Nov 2024 17:41

Tgt Ion:240 Resp: 176049

Ion	Ratio	Lower	Upper
240	100		
120	9.5	7.3	10.9
236	25.7	20.6	31.0



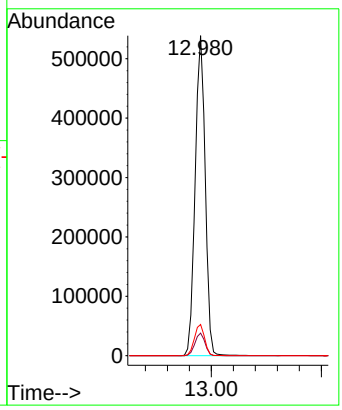


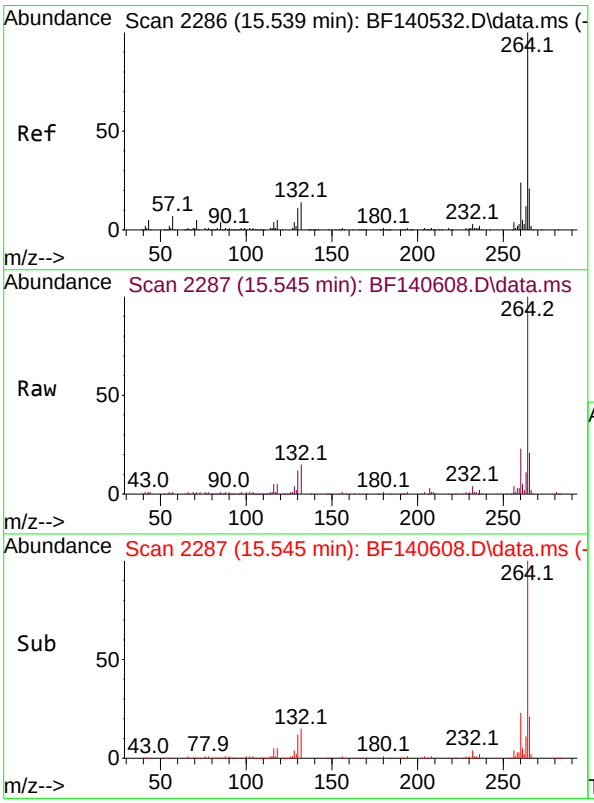
#79
Terphenyl-d14
Concen: 60.541 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140608.D
Acq: 25 Nov 2024 17:41

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006

Tgt Ion:244 Resp: 684477

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	9.8	8.0	12.0

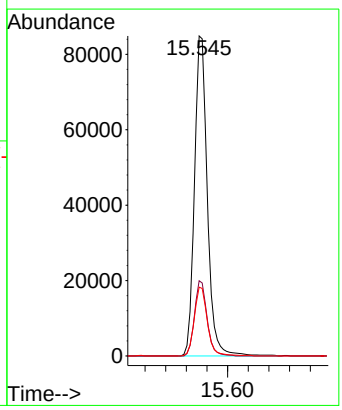




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2287
Delta R.T. 0.006 min
Lab File: BF140608.D
Acq: 25 Nov 2024 17:41

Tgt Ion:264 Resp: 146465

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.6
265	21.5	16.6	25.0



Sample Results: **BF140608.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140608.D
Acq On : 25 Nov 2024 17:41
Operator : RC/JU
Sample : P4860-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006

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-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140608.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.087	500	509	520	rBV	18912	31211	1.74%	0.270%
2	5.493	573	578	598	rBV	923606	1254820	70.04%	10.850%
3	6.504	744	750	775	rBV	996261	1317890	73.56%	11.395%
4	6.869	807	812	820	rBV	315472	385136	21.50%	3.330%
5	7.428	902	907	918	rBV	652264	858938	47.94%	7.427%
6	7.687	945	951	966	rBV2	9349	20131	1.12%	0.174%
7	8.151	1024	1030	1043	rBV	377420	497479	27.77%	4.301%
8	9.222	1207	1212	1223	rBV	1374884	1738917	97.06%	15.035%
9	9.904	1323	1328	1342	rBV	440591	564535	31.51%	4.881%
10	10.616	1444	1449	1457	rBV	213999	269990	15.07%	2.334%
11	10.698	1457	1463	1478	rVV	677347	944443	52.72%	8.166%
12	10.928	1497	1502	1511	rVB	33028	42964	2.40%	0.371%
13	11.392	1576	1581	1590	rBV	453953	594800	33.20%	5.143%
14	11.916	1665	1670	1690	rBV	107859	188419	10.52%	1.629%
15	12.704	1799	1804	1812	rBV4	16045	31803	1.78%	0.275%
16	12.980	1845	1851	1856	rBV	1411511	1791596	100.00%	15.491%
17	13.898	2000	2007	2022	rBV4	32895	117396	6.55%	1.015%
18	14.045	2027	2032	2039	rVB	352973	471822	26.34%	4.080%
19	14.904	2174	2178	2186	rVB	14964	21163	1.18%	0.183%
20	15.545	2281	2287	2301	rBV	222868	378632	21.13%	3.274%
21	16.457	2436	2442	2447	rBV5	24355	43343	2.42%	0.375%

Sum of corrected areas: 11565428

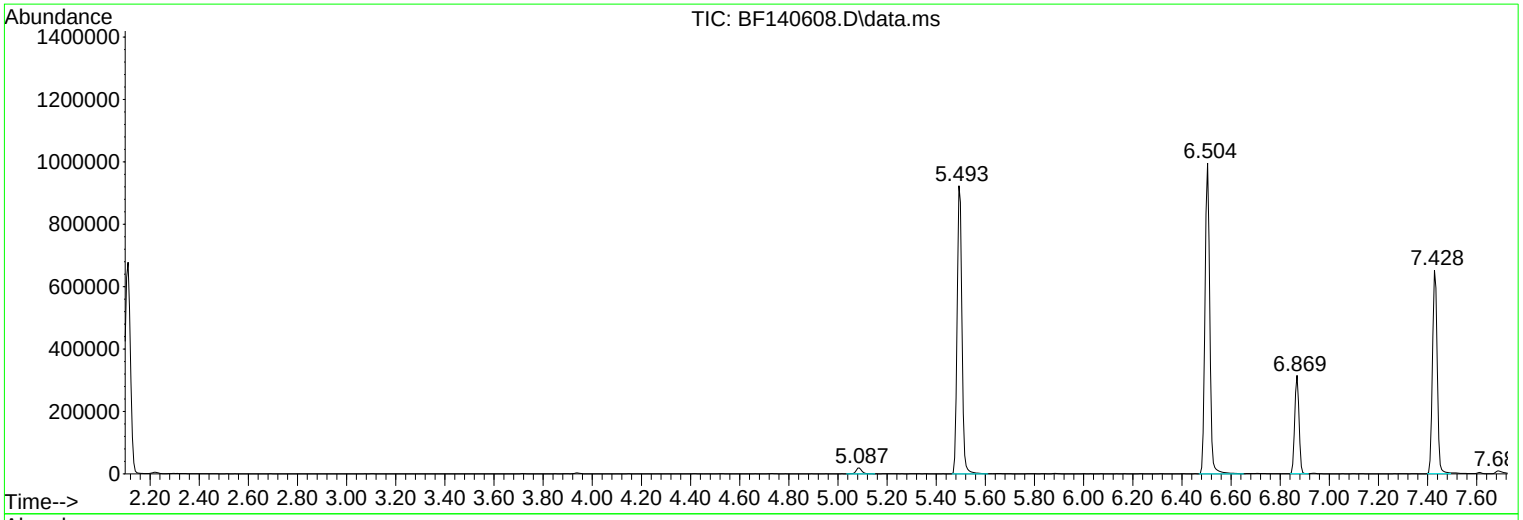
Sample Results: **BF140608.D**

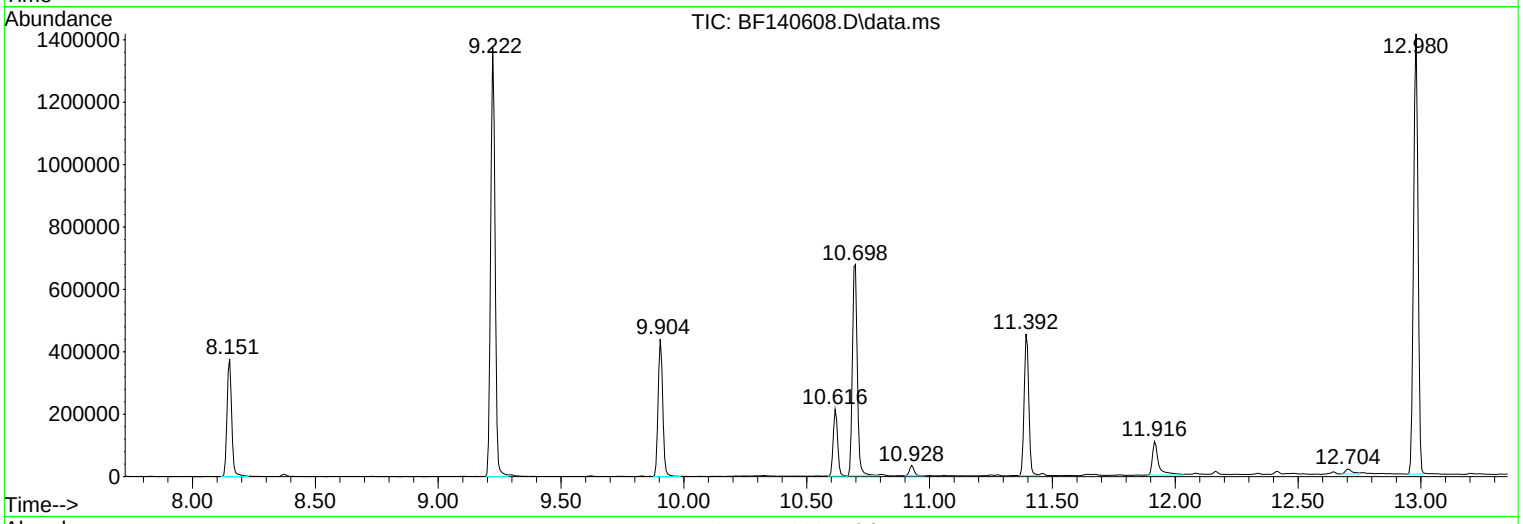
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140608.D
Acq On : 25 Nov 2024 17:41
Operator : RC/JU
Sample : P4860-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

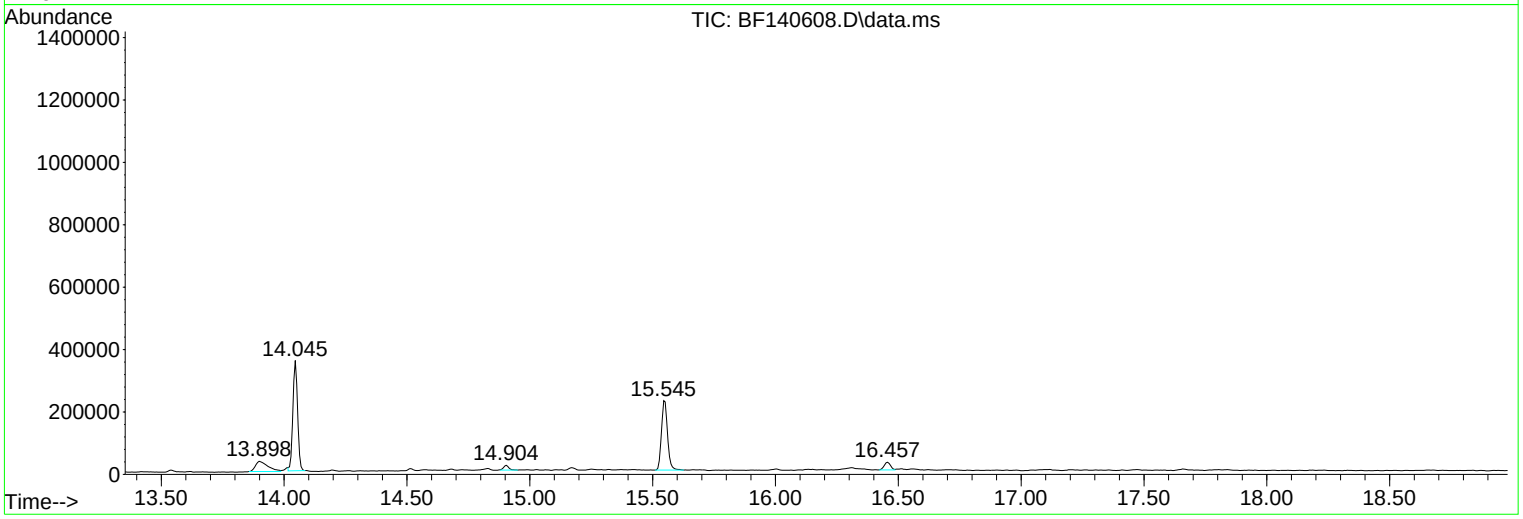
Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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\BF112524\
Data File : BF140608.D
Acq On : 25 Nov 2024 17:41
Operator : RC/JU
Sample : P4860-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

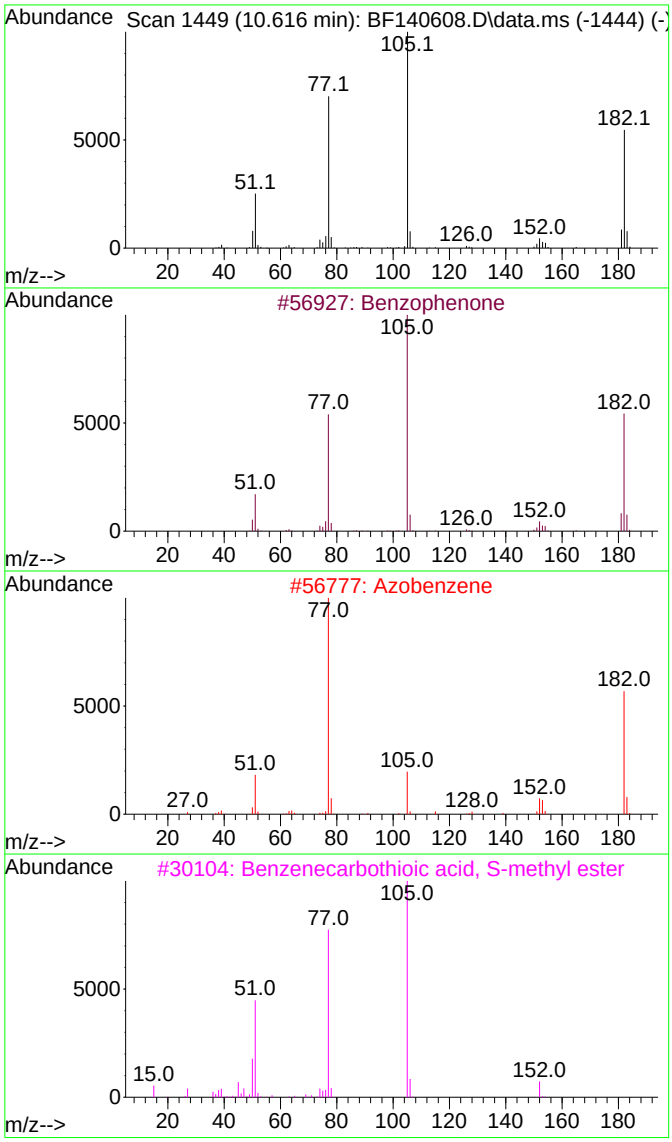
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

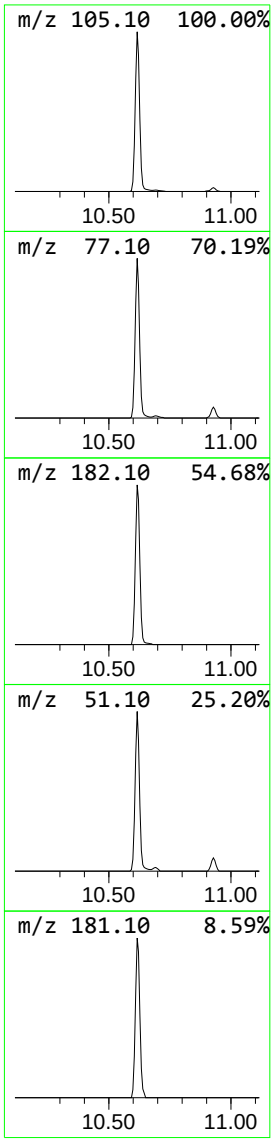
****

Peak Number 1 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	9.57 ng	269990	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	59
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	50
4	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	49
5	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140608.D
Acq On : 25 Nov 2024 17:41
Operator : RC/JU
Sample : P4860-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

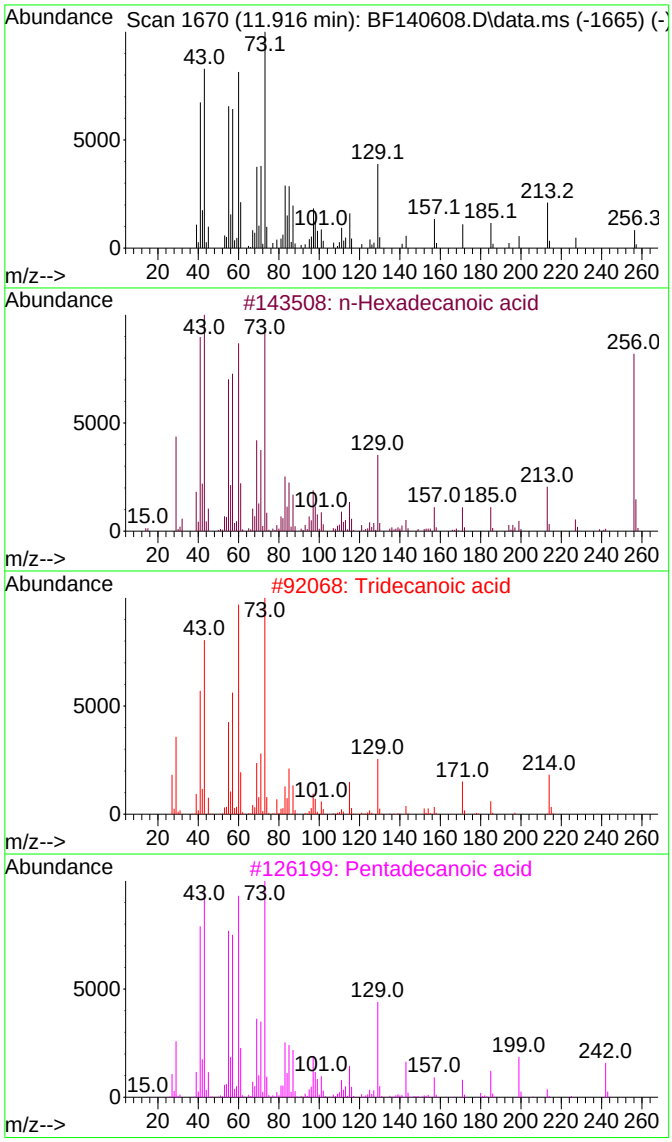
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

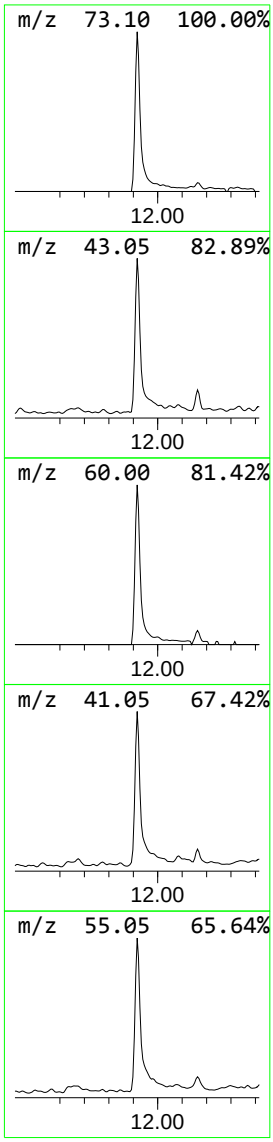
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	6.34 ng	188419	Phenanthrene-d10	11.392

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	87
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	n-Decanoic acid	172	C10H20O2	000334-48-5	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140608.D
Acq On : 25 Nov 2024 17:41
Operator : RC/JU
Sample : P4860-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

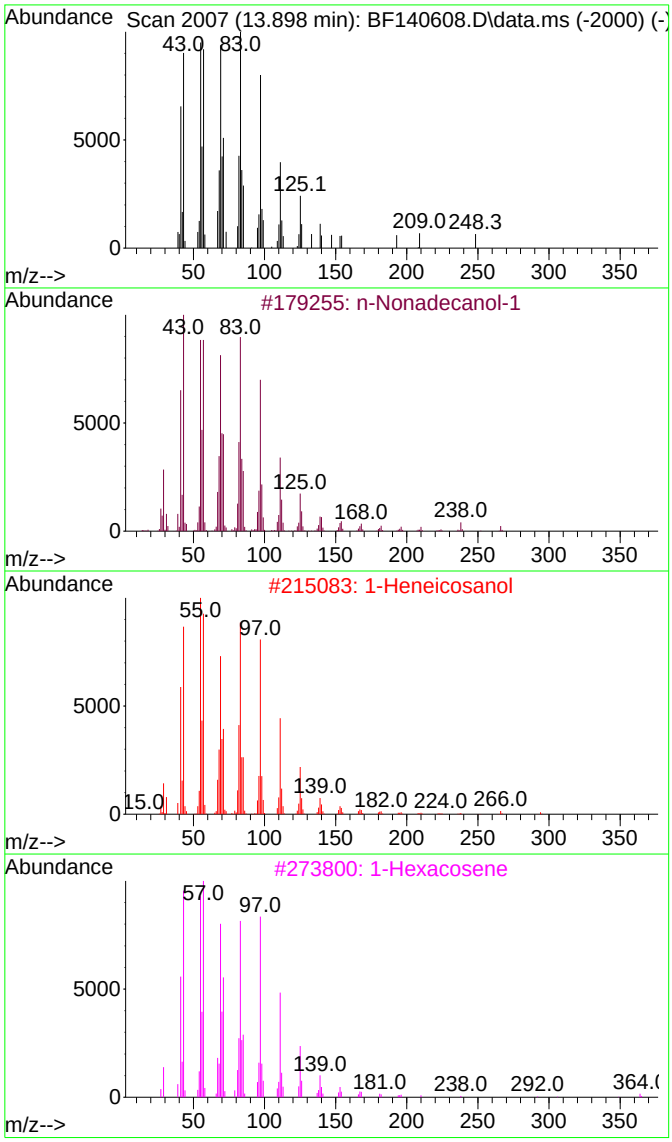
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

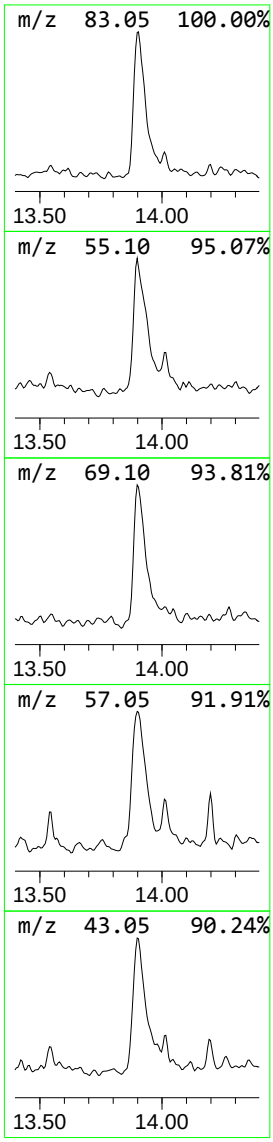
****

Peak Number 3 n-Nonadecanol-1 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.898	4.98 ng	117396	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Nonadecanol-1	284	C19H40O	001454-84-8	95
2	1-Heneicosanol	312	C21H44O	015594-90-8	95
3	1-Hexacosene	364	C26H52	018835-33-1	95
4	Pentafluoropropionic acid, tetra...	360	C17H29F5O2	006222-06-6	94
5	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140608.D
Acq On : 25 Nov 2024 17:41
Operator : RC/JU
Sample : P4860-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

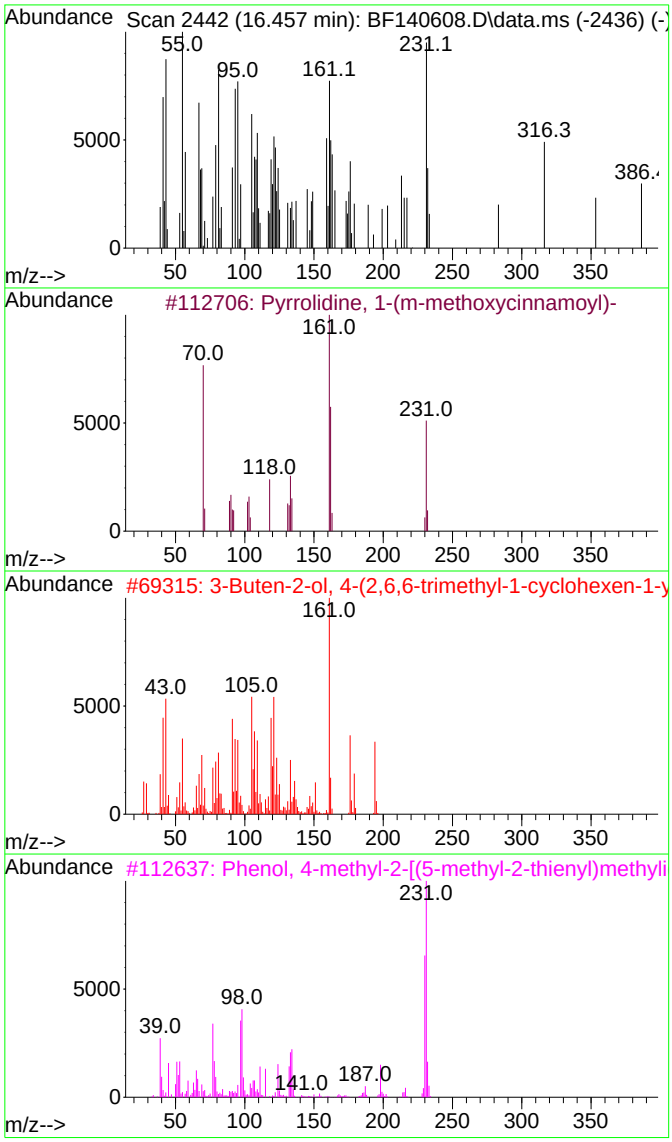
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

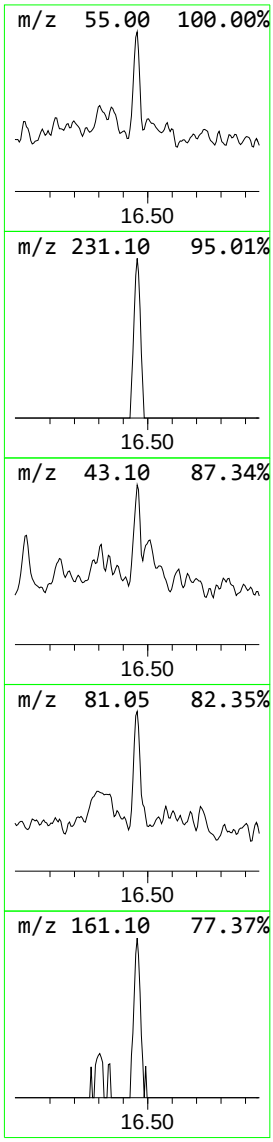
****

Peak Number 4 unknown16.457 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.457	2.29 ng	43343	Perylene-d12	15.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrrolidine, 1-(m-methoxycinnamo...	231	C14H17NO2	029647-01-6	35
2	3-Buten-2-ol, 4-(2,6,6-trimethyl...	194	C13H22O	022029-76-1	14
3	Phenol, 4-methyl-2-[(5-methyl-2-...	231	C13H13NOS	315670-71-4	11
4	3-Buten-2-one, 4-(4-methoxyphenyl)-	176	C11H12O2	000943-88-4	11
5	(1-Methoxy-1-methylbut-2-enyl)be...	176	C12H16O	1000211-11-5	11





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140608.D
Acq On : 25 Nov 2024 17:41
Operator : RC/JU
Sample : P4860-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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	10.616	9.6	ng	269990	3	9.904	564535	20.0
n-Hexadecanoic ...	11.916	6.3	ng	188419	4	11.392	594800	20.0
n-Nonadecanol-1	13.898	5.0	ng	117396	5	14.045	471822	20.0
unknown16.457	16.457	2.3	ng	43343	6	15.545	378632	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Quant Time: Nov 26 15:24:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

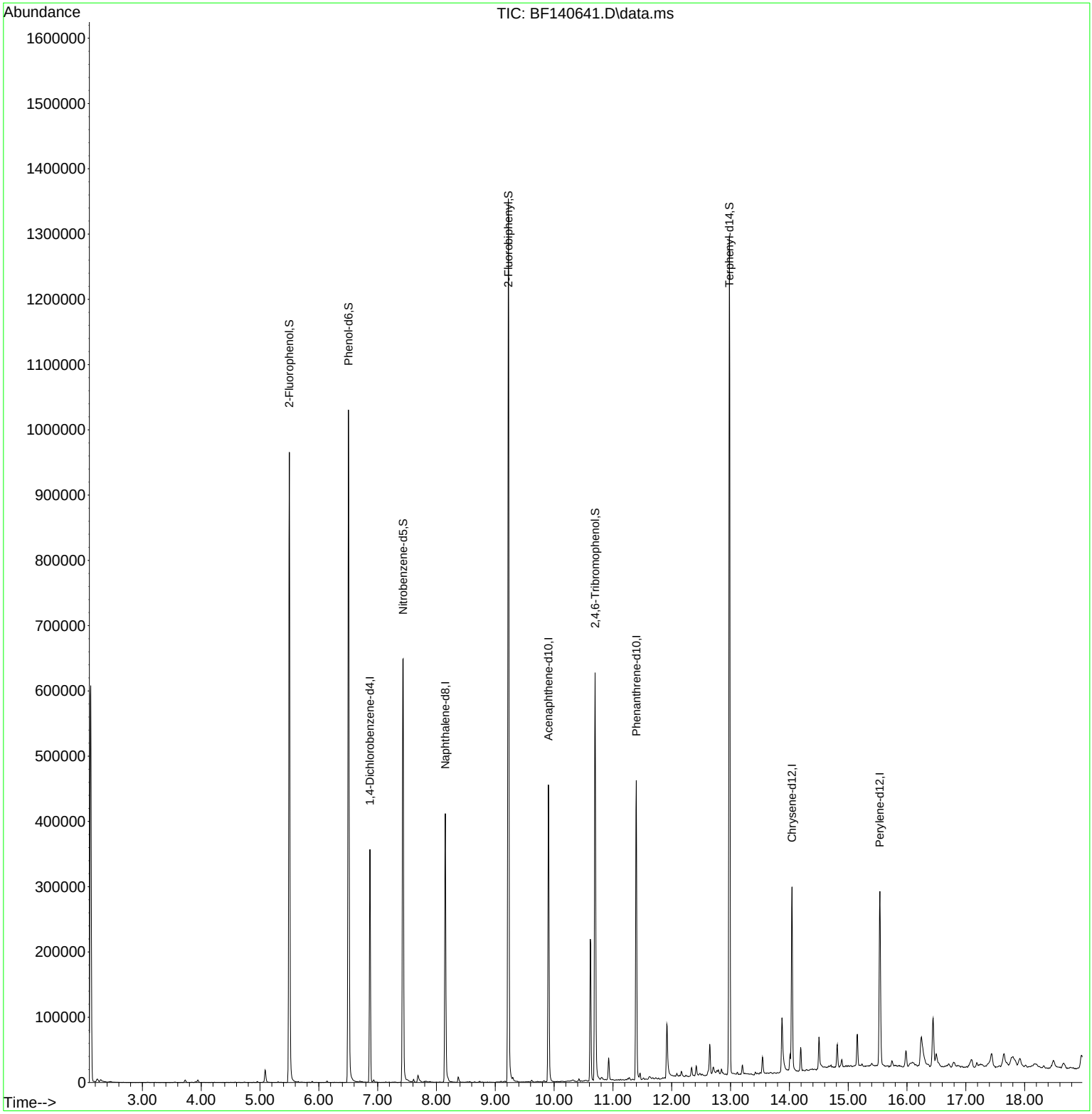
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	73436	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	269764	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	139709	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	252976	20.000	ng	0.00
76) Chrysene-d12	14.045	240	141346	20.000	ng	0.00
86) Perylene-d12	15.539	264	153491	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	362082	84.126	ng	0.00
7) Phenol-d6	6.504	99	486862	85.564	ng	-0.01
23) Nitrobenzene-d5	7.434	82	311652	59.093	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	110521	73.967	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	610897	65.150	ng	-0.01
79) Terphenyl-d14	12.980	244	621212	68.435	ng	-0.01
Target Compounds						Qvalue

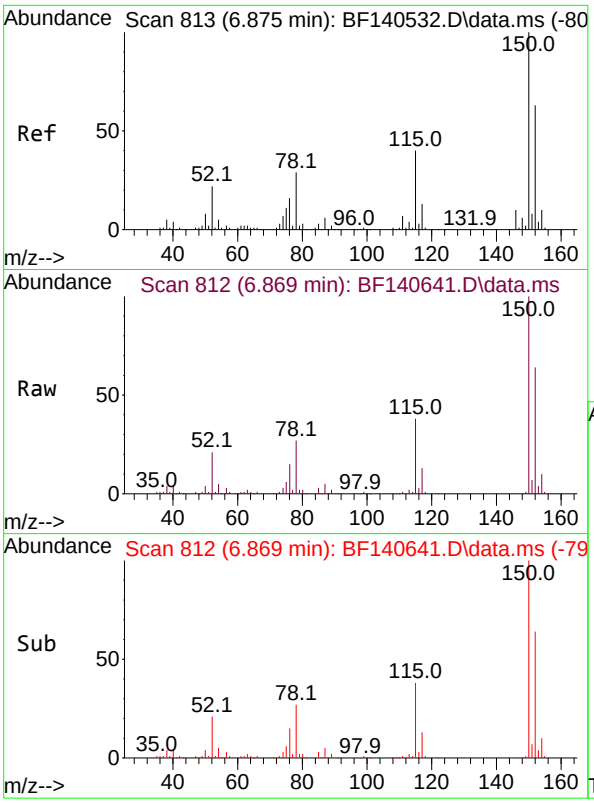
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Quant Time: Nov 26 15:24:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



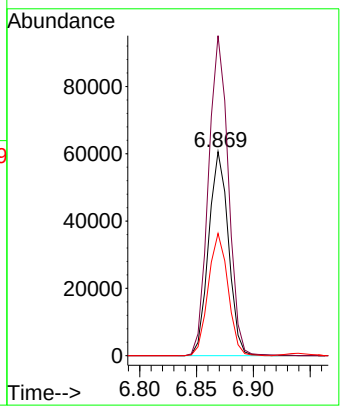


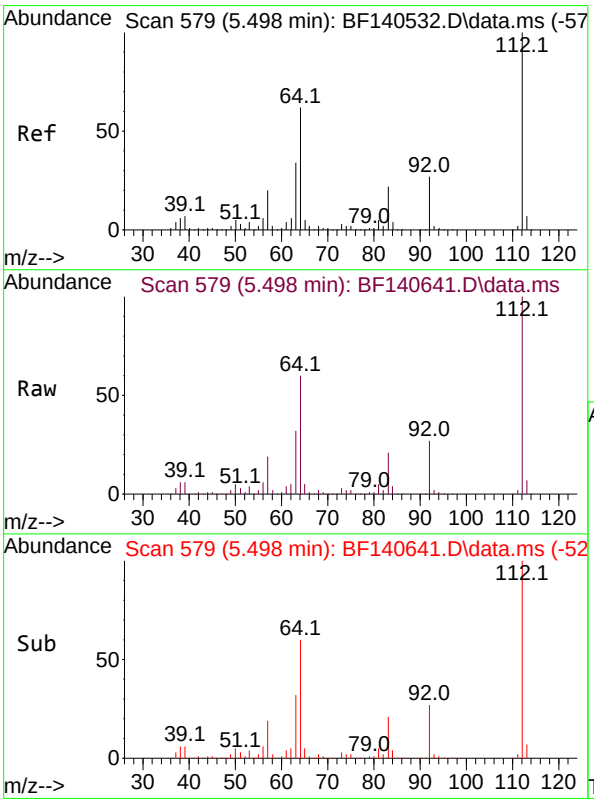
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140641.D
Acq: 26 Nov 2024 14:55

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Tgt Ion:152 Resp: 73436

Ion	Ratio	Lower	Upper
152	100		
150	156.9	128.5	192.7
115	59.9	50.2	75.4

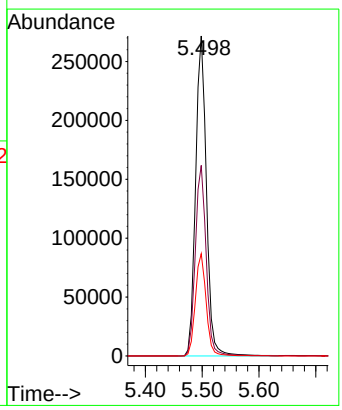


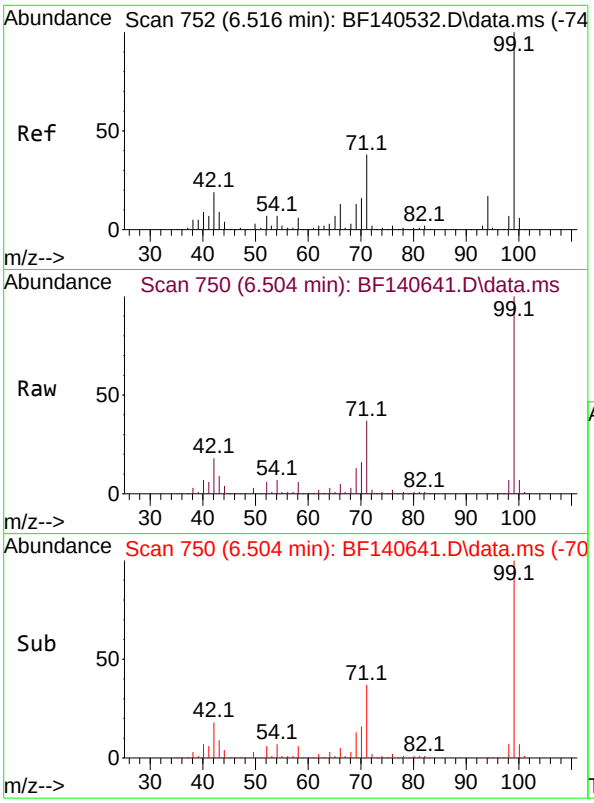


#5
2-Fluorophenol
Concen: 84.126 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF140641.D
Acq: 26 Nov 2024 14:55

Tgt Ion:112 Resp: 362082

Ion	Ratio	Lower	Upper
112	100		
64	59.6	49.2	73.8
63	31.9	27.0	40.4



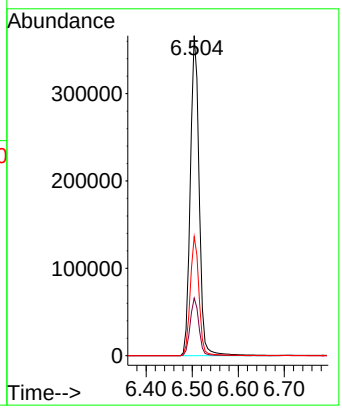


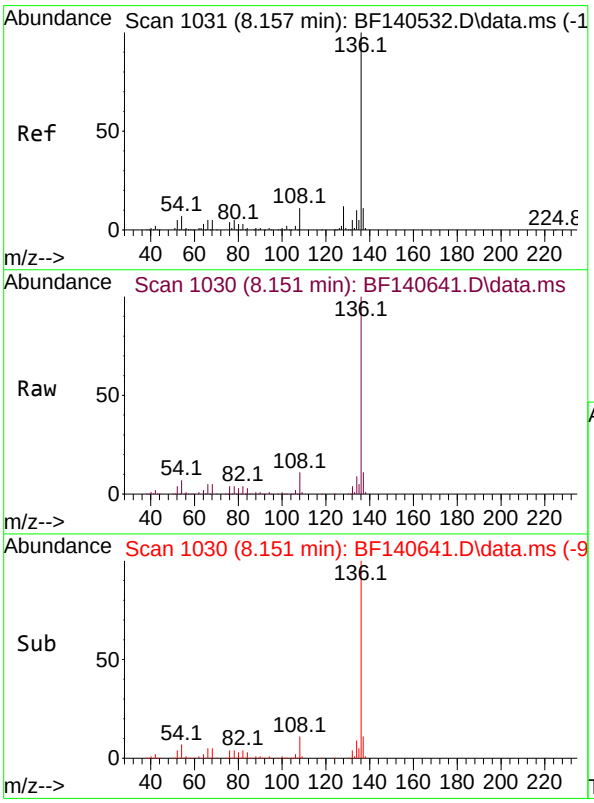
#7
Phenol-d6
Concen: 85.564 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF140641.D
Acq: 26 Nov 2024 14:55

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Tgt Ion: 99 Resp: 486862

Ion	Ratio	Lower	Upper
99	100		
42	18.0	15.4	23.0
71	37.2	30.6	46.0

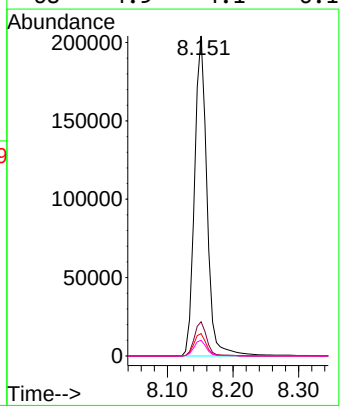


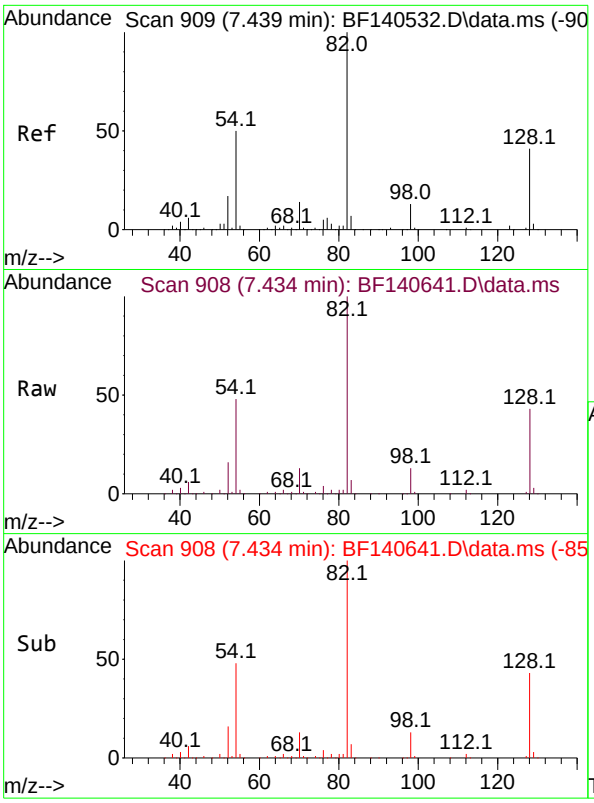


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140641.D
Acq: 26 Nov 2024 14:55

Tgt Ion:136 Resp: 269764

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	7.0	5.8	8.8
68	4.9	4.1	6.1



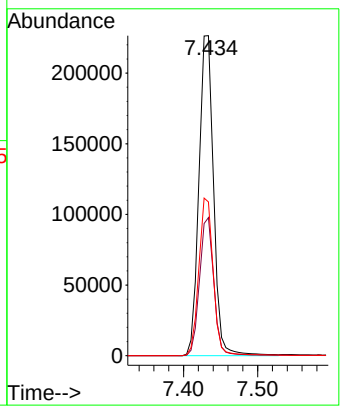


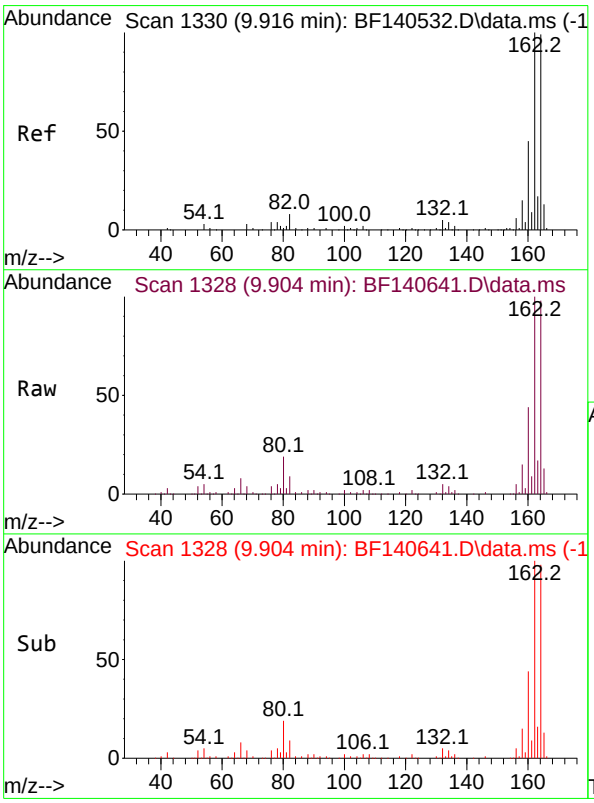
#23
Nitrobenzene-d5
Concen: 59.093 ng
RT: 7.434 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140641.D
Acq: 26 Nov 2024 14:55

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Tgt Ion: 82 Resp: 311652

Ion	Ratio	Lower	Upper
82	100		
128	43.1	33.0	49.4
54	48.1	39.5	59.3

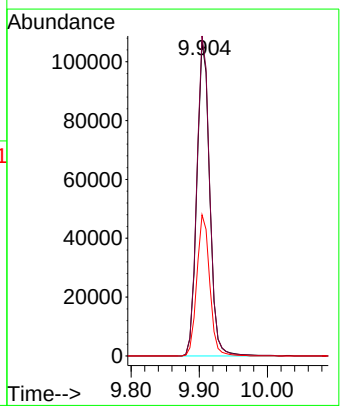


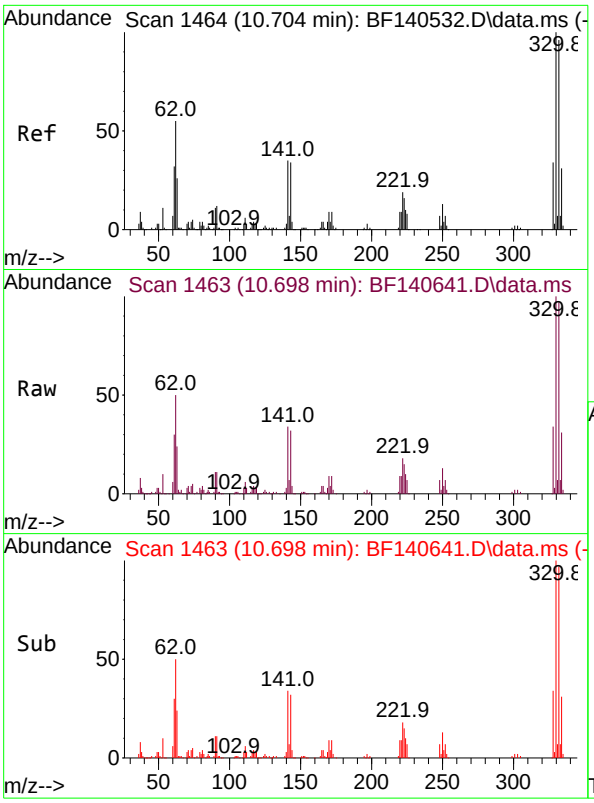


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140641.D
Acq: 26 Nov 2024 14:55

Tgt Ion:164 Resp: 139709

Ion	Ratio	Lower	Upper
164	100		
162	101.8	80.6	120.8
160	44.9	36.2	54.4



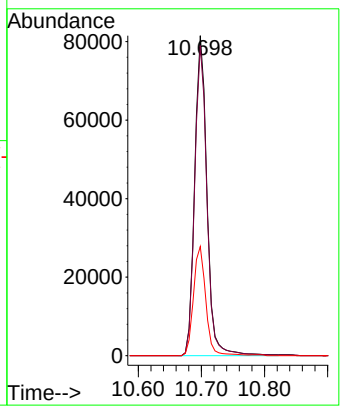


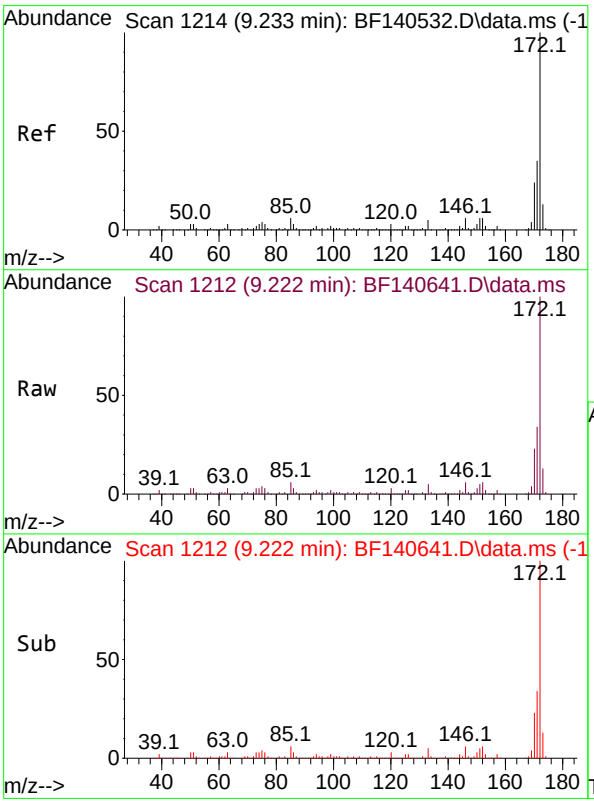
#42
2,4,6-Tribromophenol
Concen: 73.967 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140641.D
Acq: 26 Nov 2024 14:55

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Tgt Ion:330 Resp: 110521

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.9	115.3
141	34.0	26.7	40.1

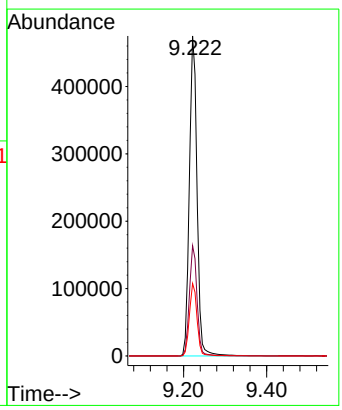


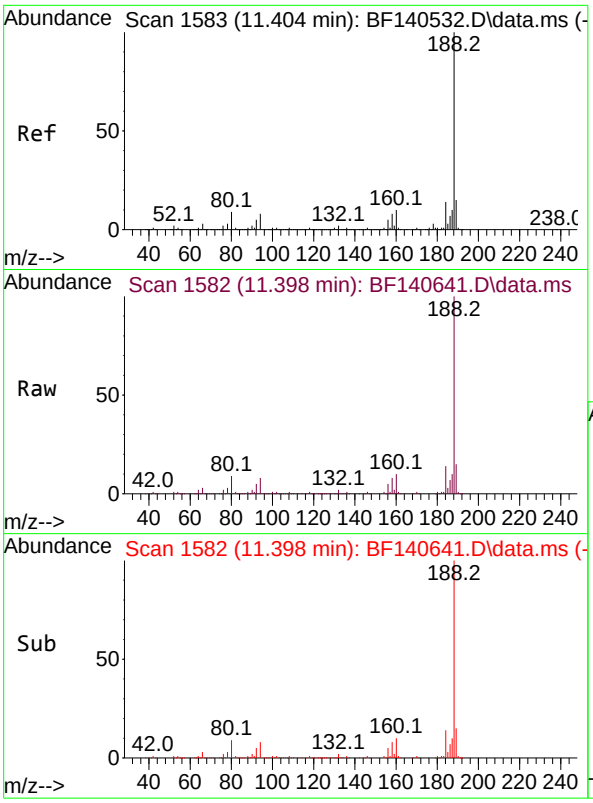


#45
2-Fluorobiphenyl
Concen: 65.150 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140641.D
Acq: 26 Nov 2024 14:55

Tgt Ion:172 Resp: 610897

Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.4	42.6
170	22.6	19.0	28.6



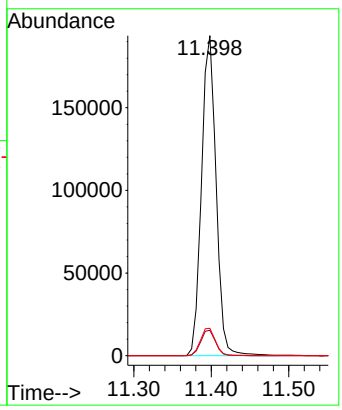


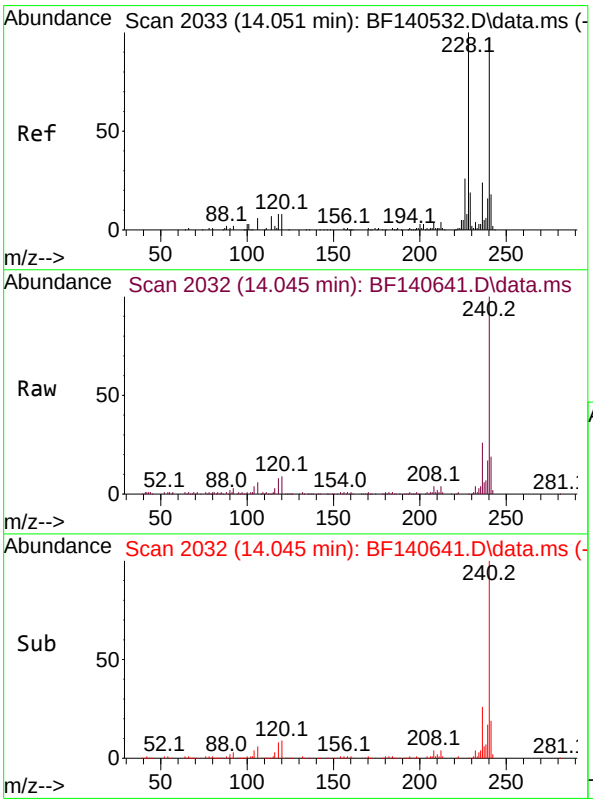
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140641.D
Acq: 26 Nov 2024 14:55

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Tgt Ion:188 Resp: 252976

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.4	9.6
80	8.6	6.9	10.3

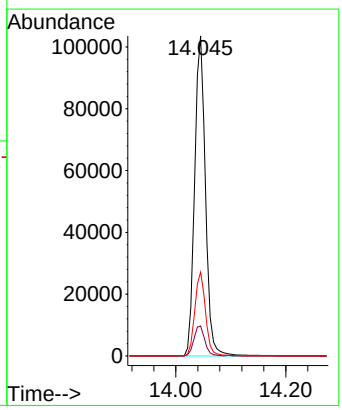


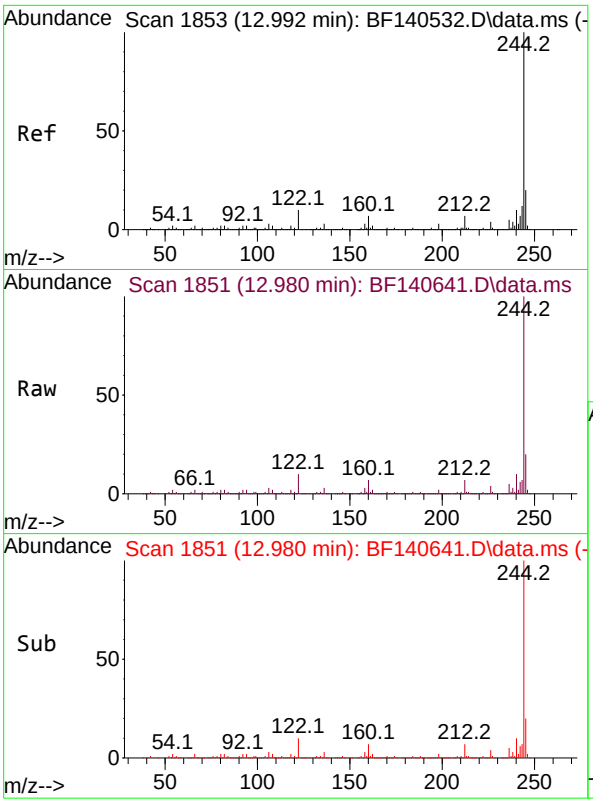


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140641.D
Acq: 26 Nov 2024 14:55

Tgt Ion:240 Resp: 141346

Ion	Ratio	Lower	Upper
240	100		
120	9.4	7.3	10.9
236	26.2	20.6	31.0



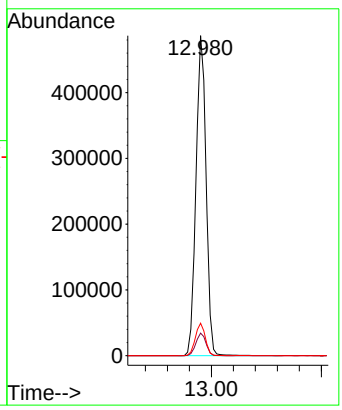


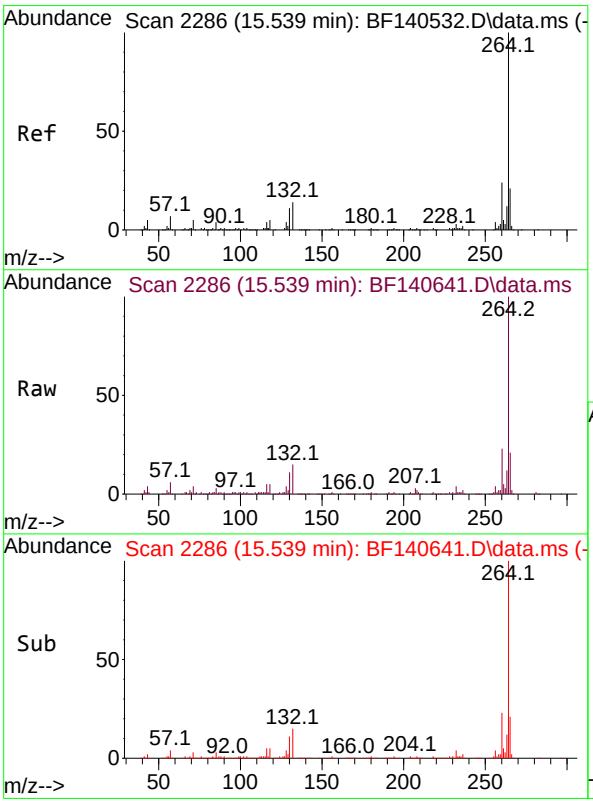
#79
Terphenyl-d14
Concen: 68.435 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140641.D
Acq: 26 Nov 2024 14:55

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Tgt Ion:244 Resp: 621212

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	10.2	8.0	12.0

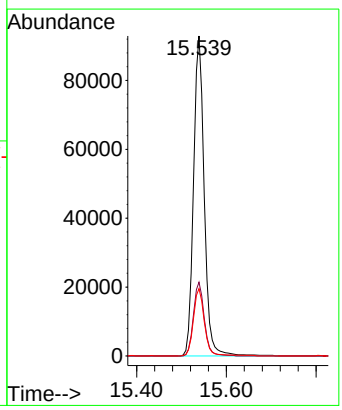




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2286
Delta R.T. -0.000 min
Lab File: BF140641.D
Acq: 26 Nov 2024 14:55

Tgt Ion:264 Resp: 153491

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.0	28.6
265	21.1	16.6	25.0



LSC Area Percent Report

Sample Results: **BF140641.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

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-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140641.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.122	3	5	14	rVB	606370	703888	41.04%	5.408%
2	5.087	500	509	519	rBV	19315	32671	1.90%	0.251%
3	5.498	573	579	594	rBV	965519	1282769	74.80%	9.856%
4	6.504	745	750	774	rBV	1030272	1372157	80.01%	10.543%
5	6.869	807	812	819	rBV	356677	430326	25.09%	3.306%
6	7.434	902	908	919	rBV	648844	887376	51.74%	6.818%
7	7.686	946	951	963	rBV2	10719	22096	1.29%	0.170%
8	8.151	1025	1030	1045	rBV	410981	535824	31.24%	4.117%
9	9.222	1207	1212	1223	rBV	1353393	1715039	100.00%	13.178%
10	9.904	1323	1328	1345	rVB	454879	590370	34.42%	4.536%
11	10.616	1444	1449	1458	rBV	217506	284390	16.58%	2.185%
12	10.698	1458	1463	1478	rVV	624413	837670	48.84%	6.436%
13	10.927	1497	1502	1512	rVB	34059	46679	2.72%	0.359%
14	11.398	1576	1582	1590	rBV	459145	602196	35.11%	4.627%
15	11.916	1666	1670	1684	rBV	82658	147459	8.60%	1.133%
16	12.416	1751	1755	1761	rBV2	15298	22741	1.33%	0.175%
17	12.645	1786	1794	1799	rBV	47372	72175	4.21%	0.555%
18	12.980	1845	1851	1861	rBV	1284783	1631156	95.11%	12.533%
19	13.204	1884	1889	1893	rBV	14086	20043	1.17%	0.154%
20	13.545	1943	1947	1953	rBV	24588	33211	1.94%	0.255%
21	13.874	1998	2003	2018	rBV	82803	161630	9.42%	1.242%
22	14.010	2022	2026	2028	rVV	25533	34821	2.03%	0.268%
23	14.045	2028	2032	2045	rVB	282281	389191	22.69%	2.990%
24	14.192	2053	2057	2062	rVB	35892	45459	2.65%	0.349%
25	14.504	2106	2110	2123	rBV	48562	80254	4.68%	0.617%
26	14.815	2158	2163	2169	rVB	34523	48570	2.83%	0.373%
27	15.157	2216	2221	2226	rVB	47975	65806	3.84%	0.506%
28	15.539	2280	2286	2301	rVB	268191	443348	25.85%	3.406%
29	15.980	2357	2361	2368	rVB	23818	39891	2.33%	0.307%
30	16.245	2399	2406	2423	rBV7	43904	147265	8.59%	1.132%
31	16.445	2433	2440	2445	rBV2	73348	142864	8.33%	1.098%
32	16.498	2446	2449	2464	rVB4	19590	49181	2.87%	0.378%
33	17.439	2605	2609	2620	rVB9	21092	50352	2.94%	0.387%
34	17.651	2641	2645	2658	rVB9	17542	45973	2.68%	0.353%

Sum of corrected areas: 13014841

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

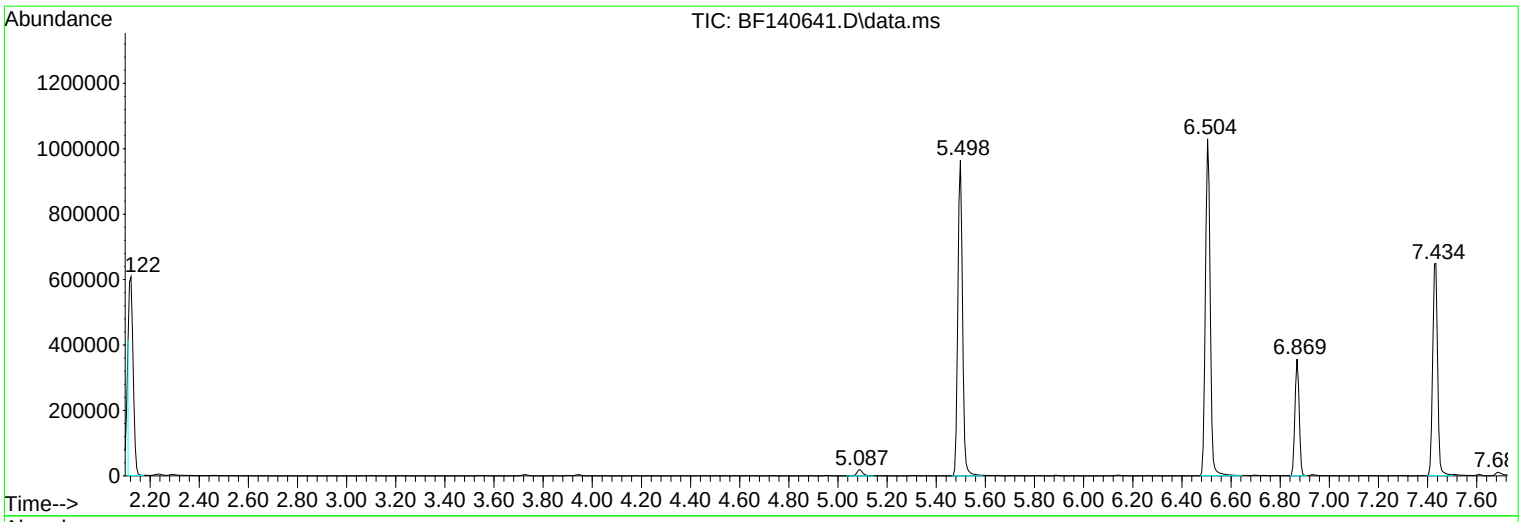
Sample Results: **BF140641.D**

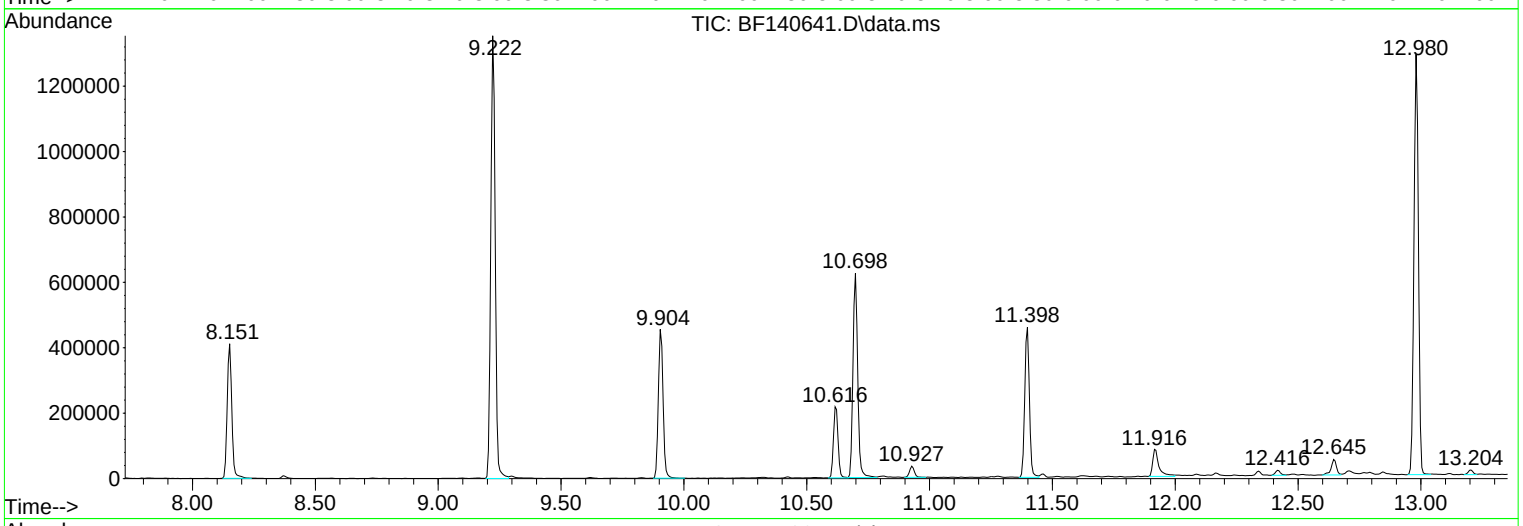
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

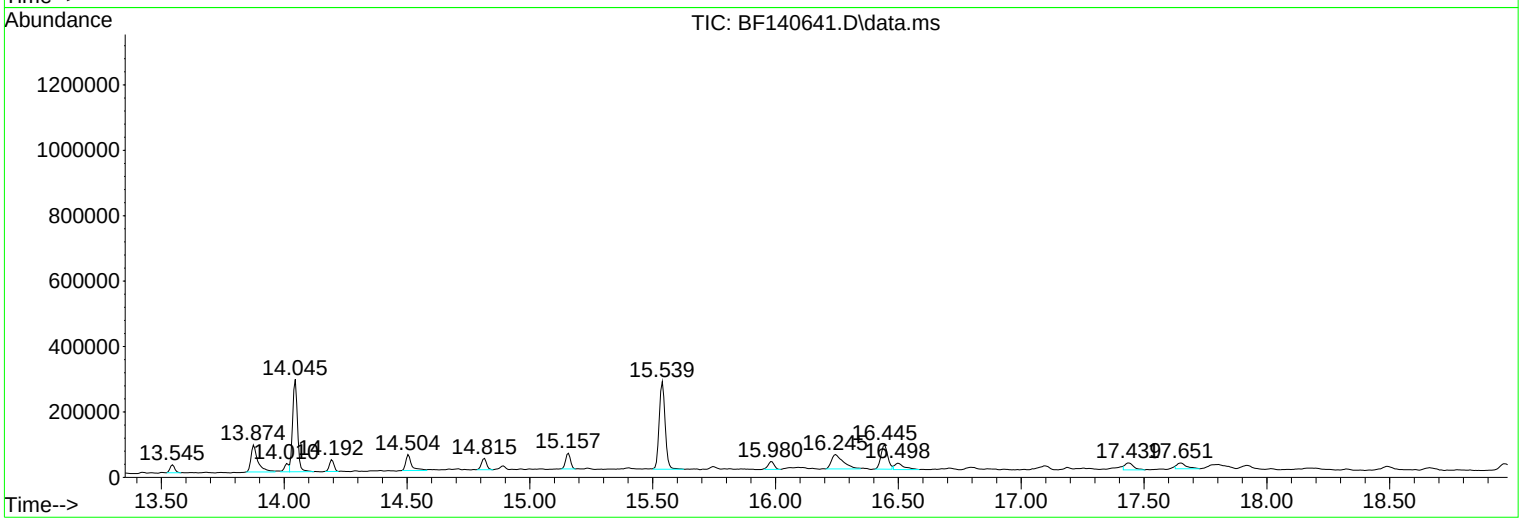
Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

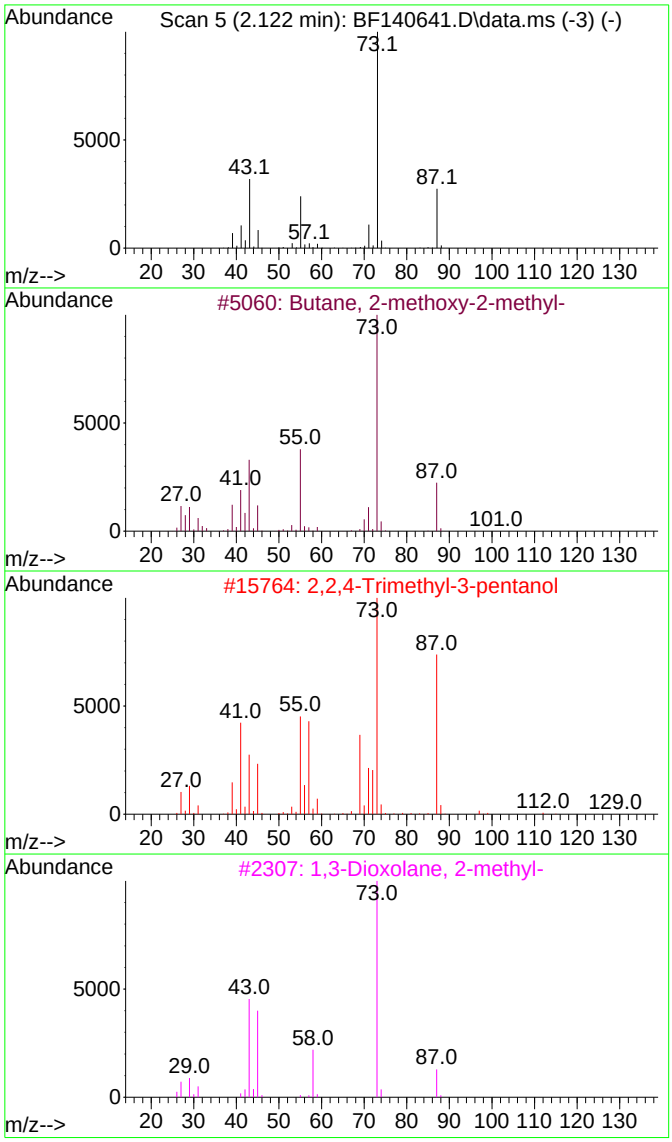
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

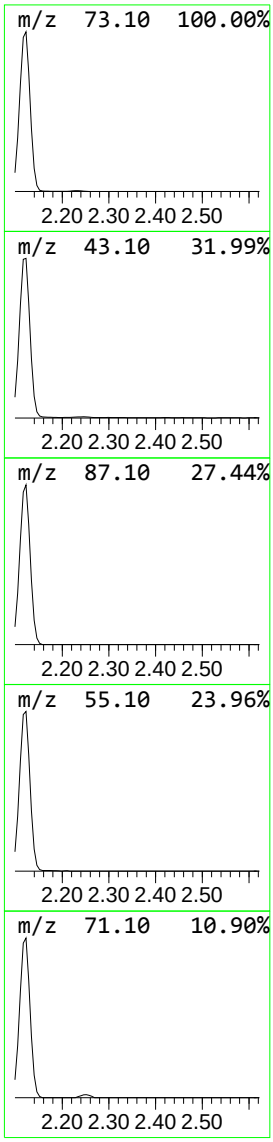
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.122	32.71 ng	703888	1,4-Dichlorobenzene-d4	6.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

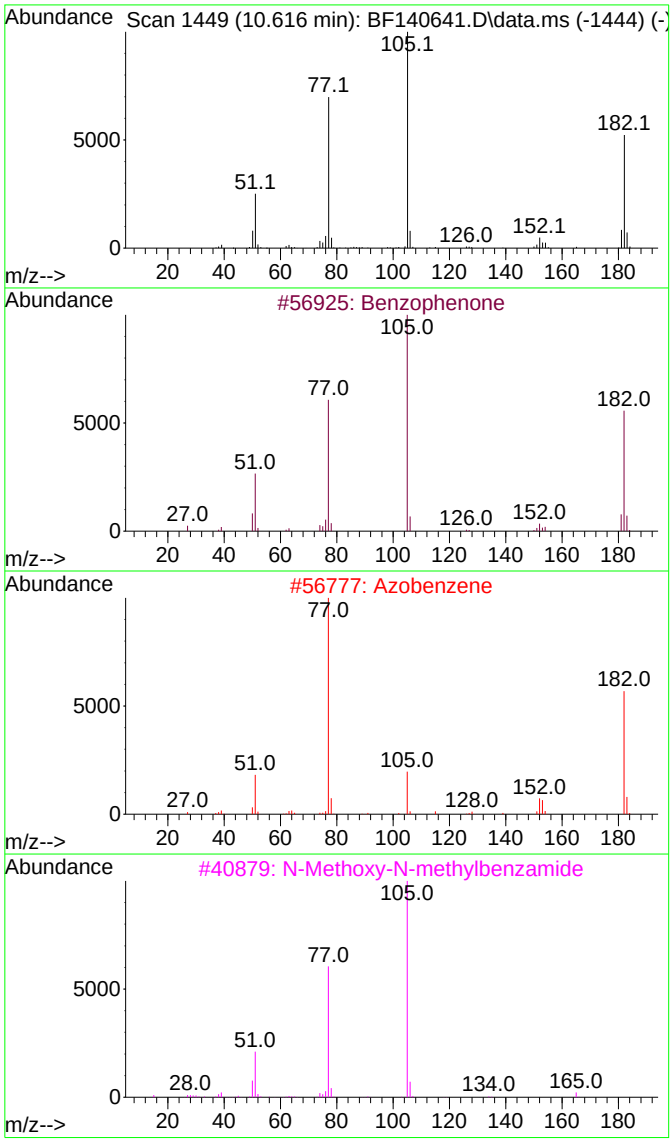
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

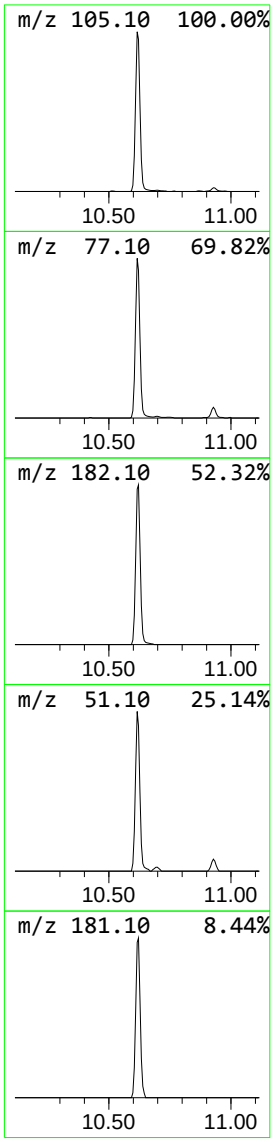
****

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	9.63 ng	284390	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	59
3	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	49
4	N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	47
5	Vinyl benzoate	148	C9H8O2	000769-78-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

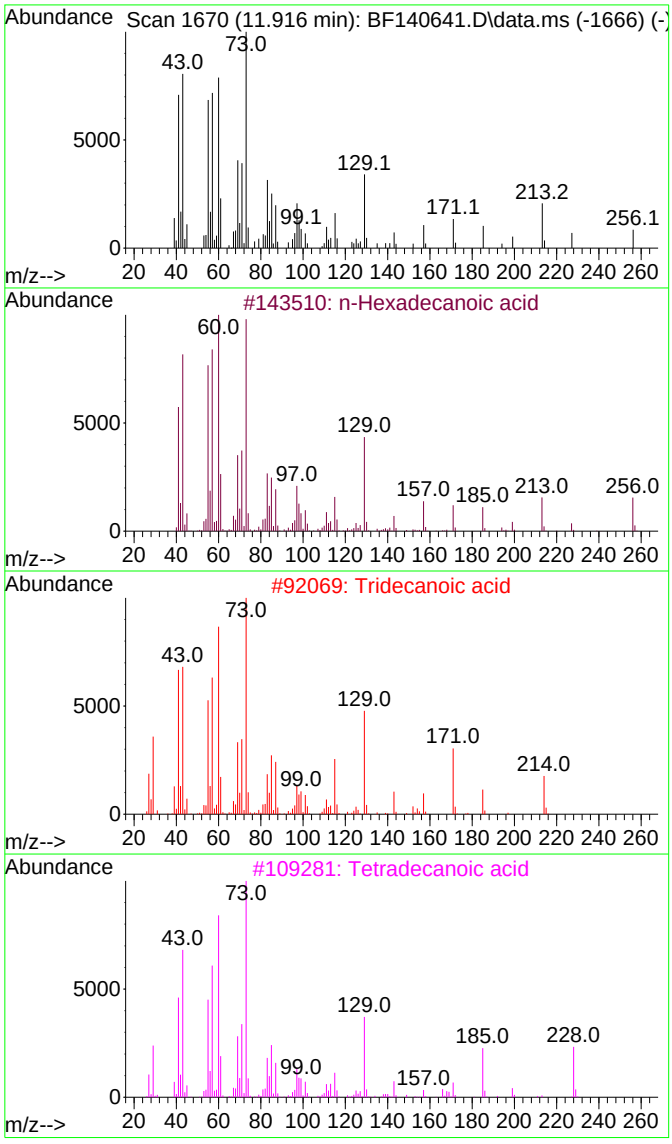
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

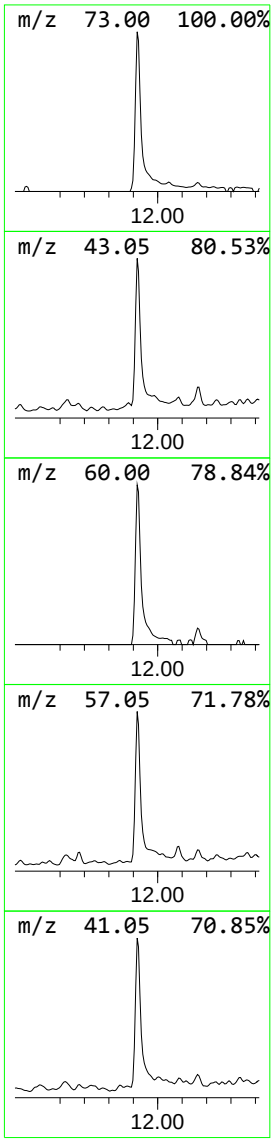
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	4.90 ng	147459	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tridecanoic acid	214	C13H26O2	000638-53-9	95
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	74
5	Oxalic acid, dodecyl propyl ester	300	C17H32O4	1000309-26-5	25





Sample Results: **BF140641.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

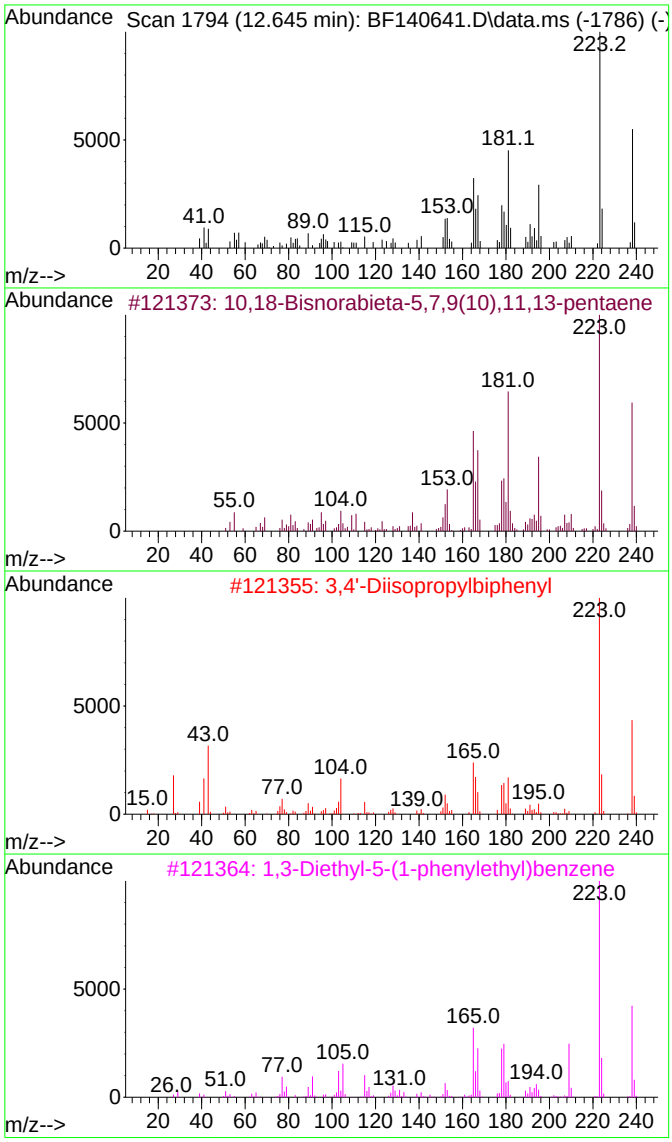
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

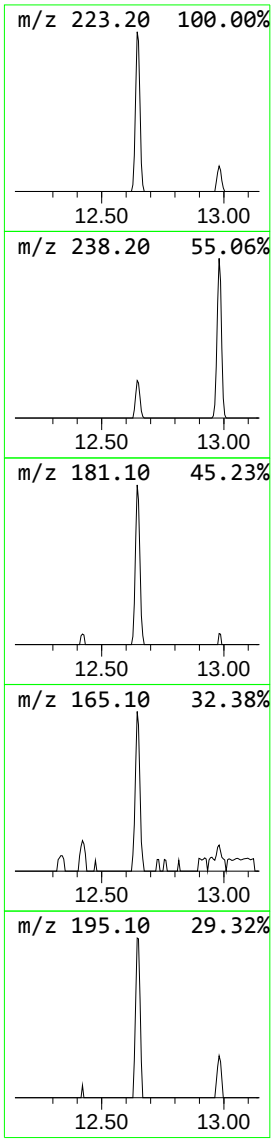
****

Peak Number 4 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.645	2.40 ng	72175	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	89
3	1,3-Diethyl-5-(1-phenylethyl)ben...	238	C18H22	1000482-32-6	72
4	3-(N,N-Diethylamino)carbazole	238	C16H18N2	054994-31-9	49
5	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

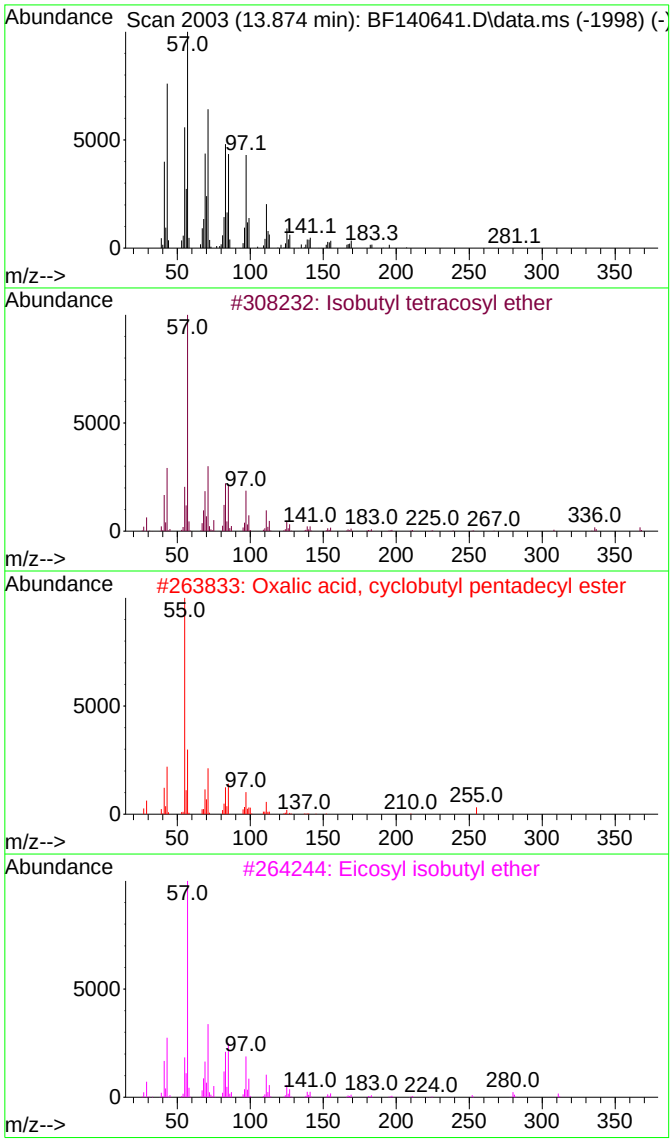
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

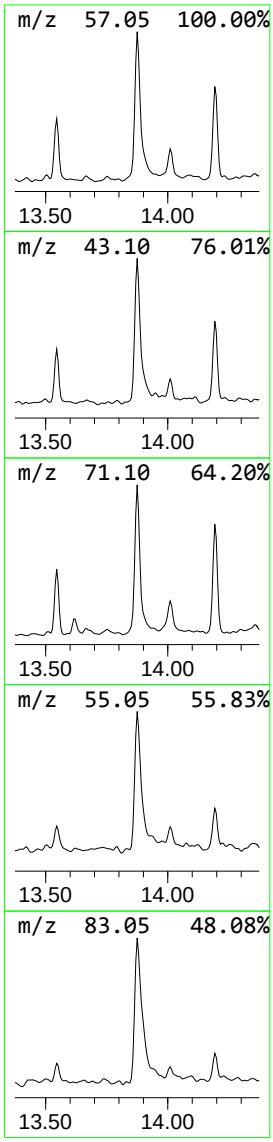
****

Peak Number 5 Isobutyl tetracosyl ether Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.874	8.31 ng	161630	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutyl tetracosyl ether	410	C28H58O	1000406-33-2	91
2	Oxalic acid, cyclobutyl pentadec...	354	C21H38O4	1010309-70-5	90
3	Eicosyl isobutyl ether	354	C24H50O	1000406-33-0	90
4	1-Decanol, 2-octyl-	270	C18H38O	045235-48-1	83
5	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

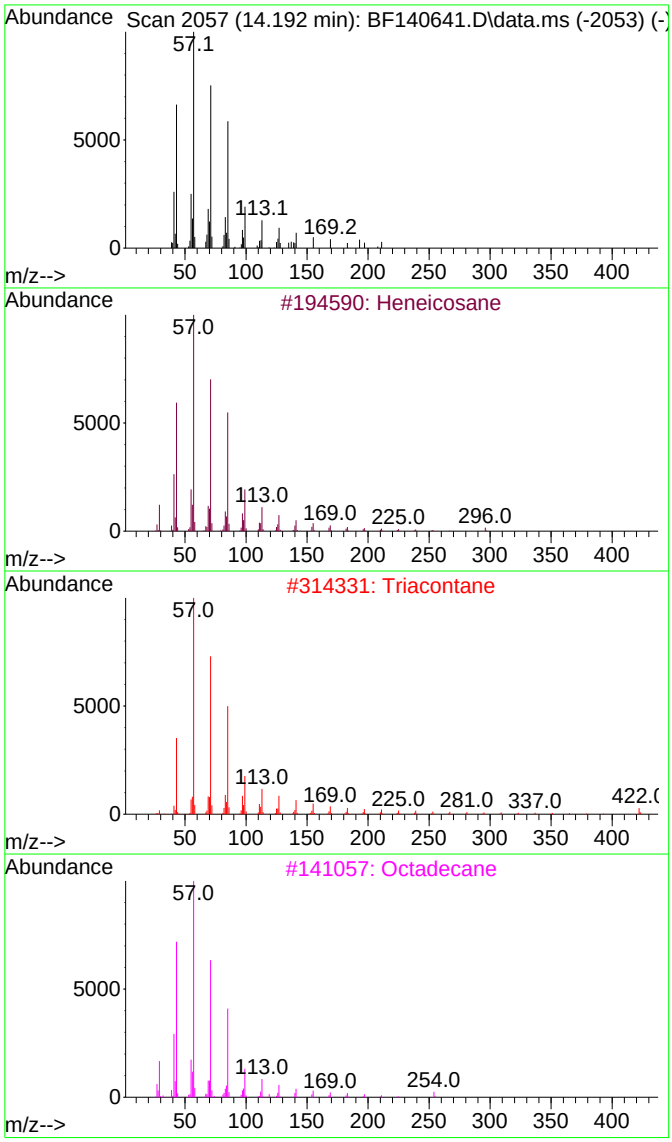
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

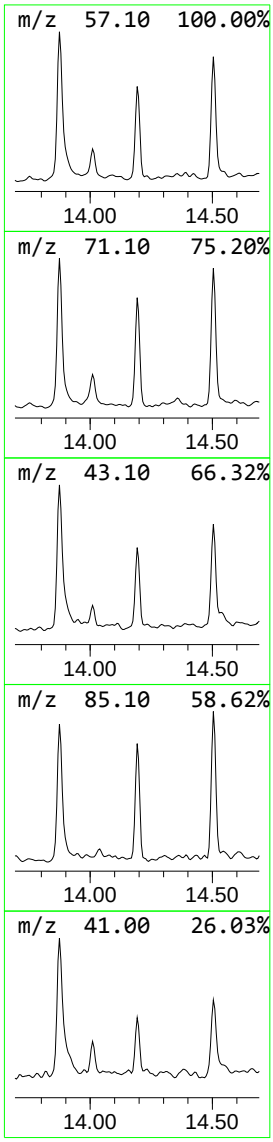
****

Peak Number 6 Heneicosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.192	2.34 ng	45459	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Triacontane	422	C30H62	000638-68-6	91
3	Octadecane	254	C18H38	000593-45-3	91
4	Octacosane	394	C28H58	000630-02-4	90
5	Tridecanol, 2-ethyl-2-methyl-	242	C16H34O	1010115-66-1	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

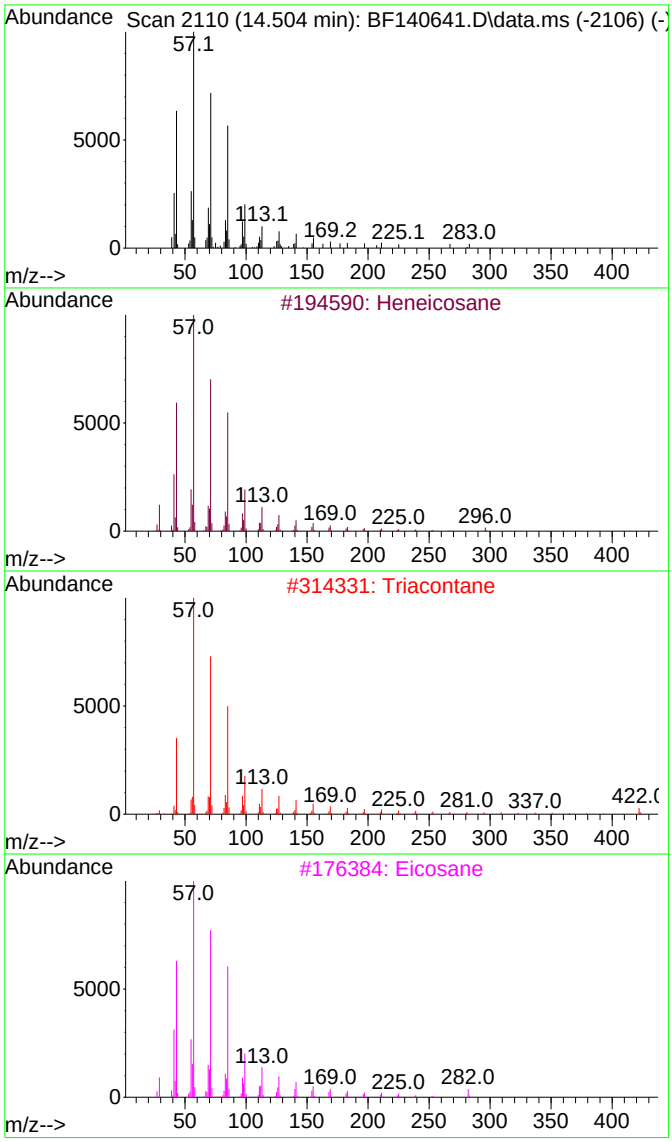
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

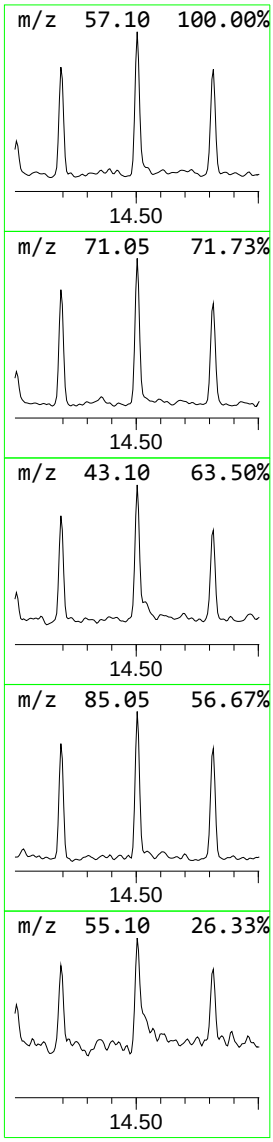
****

Peak Number 7 Triacontane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.504	4.12 ng	80254	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Triacontane	422	C30H62	000638-68-6	91
3	Eicosane	282	C20H42	000112-95-8	91
4	Octacosane, 2-methyl-	408	C29H60	001560-98-1	91
5	Octacosane	394	C28H58	000630-02-4	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

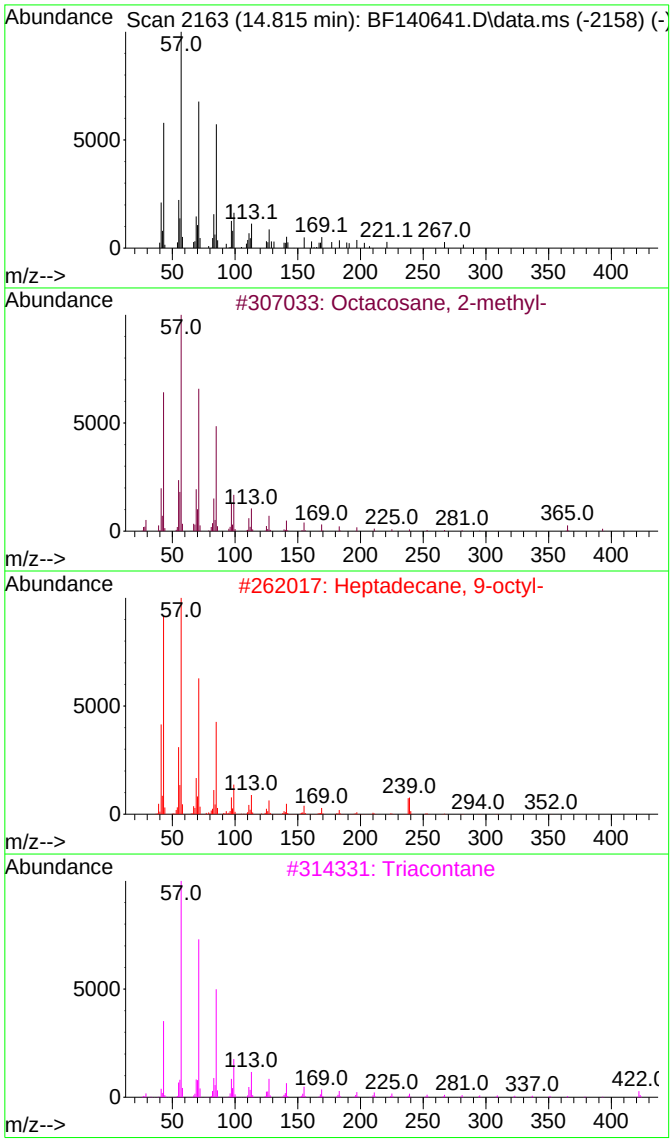
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

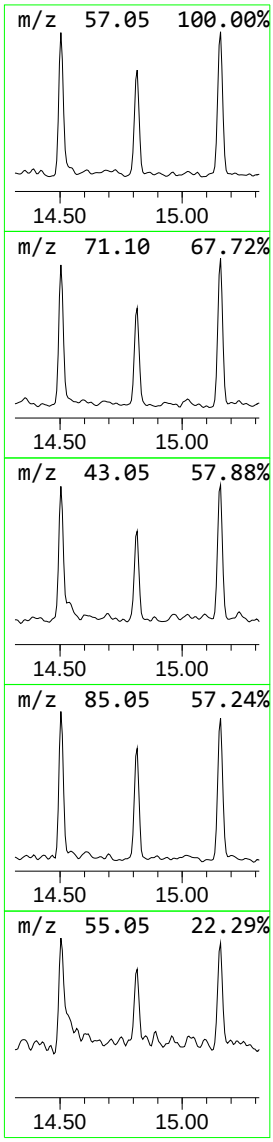
****

Peak Number 8 Octacosane, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.815	2.19 ng	48570	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane, 2-methyl-	408	C29H60	001560-98-1	91
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
3	Triacontane	422	C30H62	000638-68-6	91
4	Octacosane	394	C28H58	000630-02-4	91
5	Octadecane	254	C18H38	000593-45-3	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

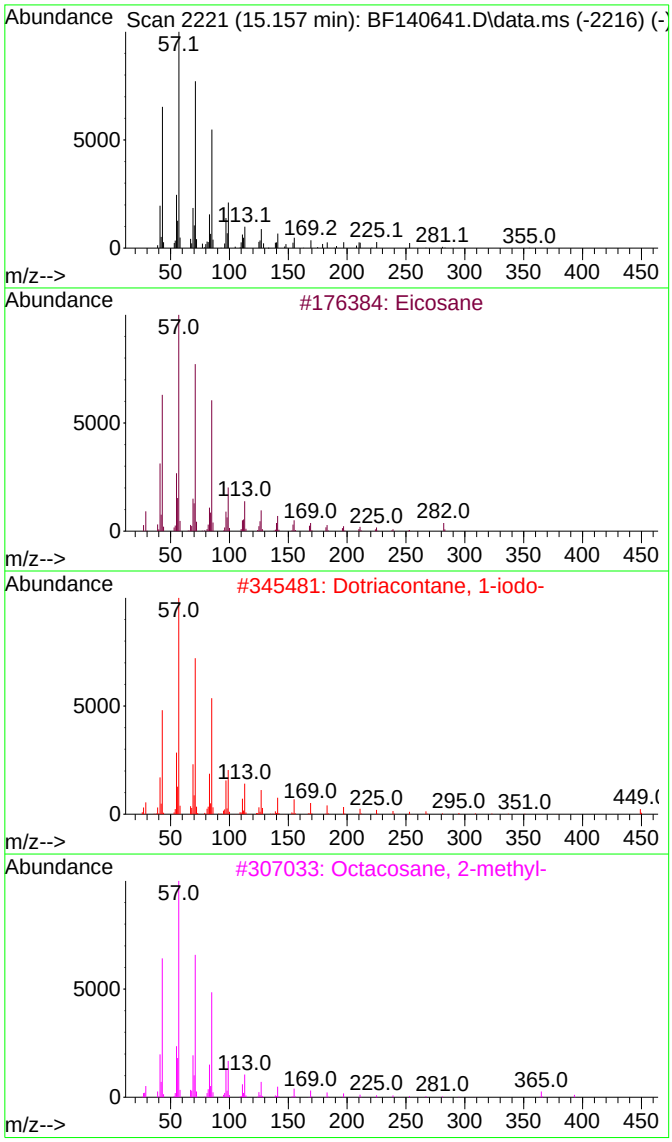
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

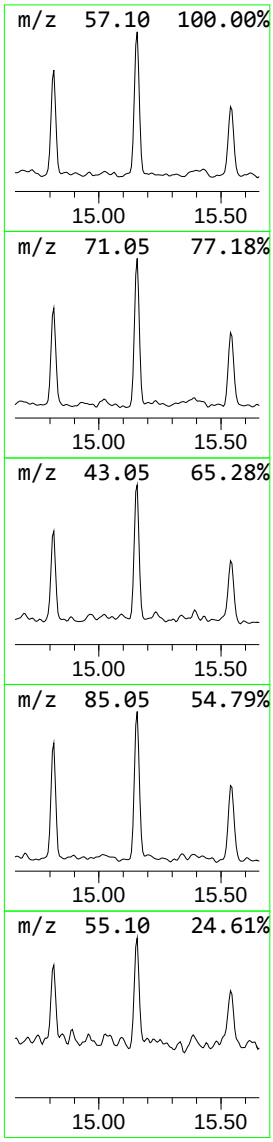
****

Peak Number 9 Eicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.157	2.97 ng	65806	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Dotriacontane, 1-iodo-	576	C32H65I	1000406-32-4	91
3	Octacosane, 2-methyl-	408	C29H60	001560-98-1	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	Triacontane	422	C30H62	000638-68-6	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

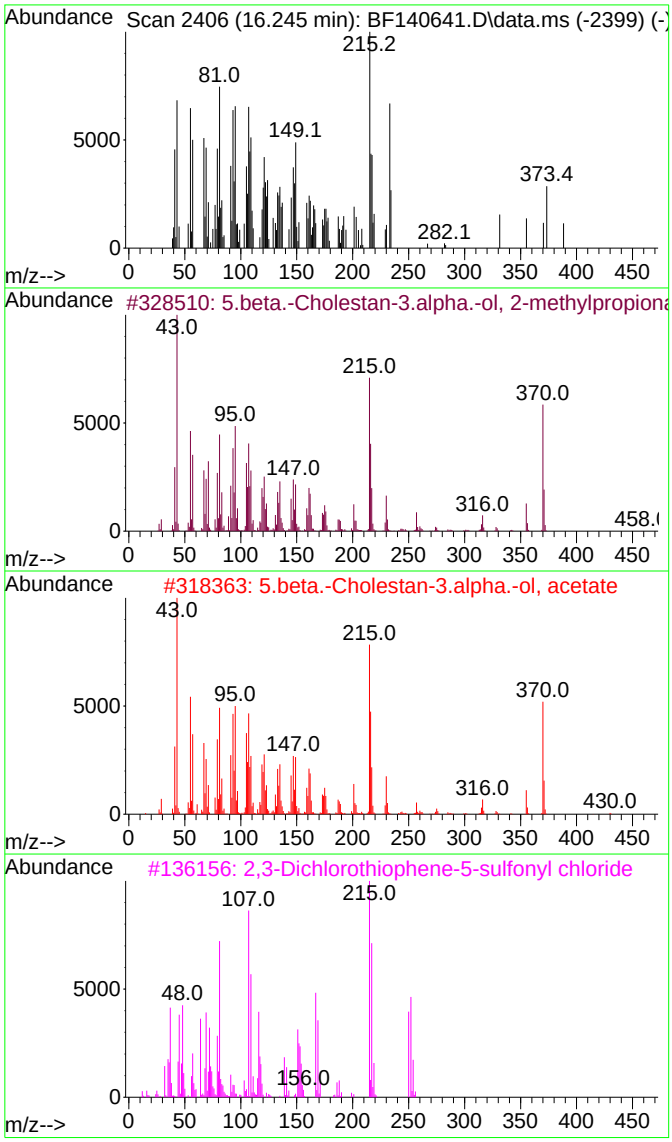
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

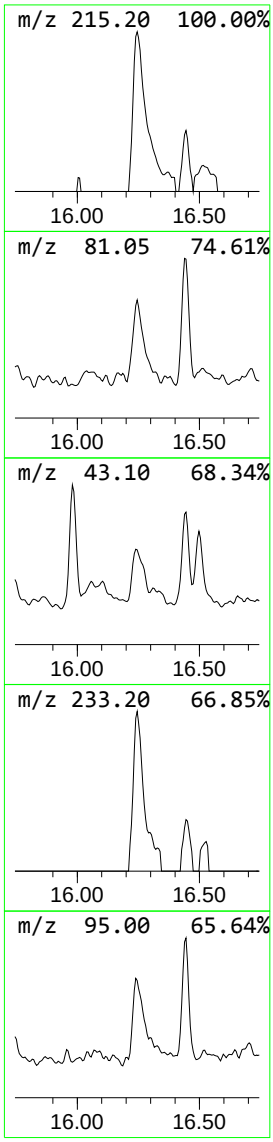
****

Peak Number 10 unknown16.245 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.245	6.64 ng	147265	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5.beta.-Cholestan-3.alpha.-ol, 2...	458	C31H54O2	1000514-95-7	49
2	5.beta.-Cholestan-3.alpha.-ol, a...	430	C29H50O2	033157-47-0	38
3	2,3-Dichlorothiophene-5-sulfonyl...	250	C4HCl3O2S2	126714-85-0	38
4	Cholestan-3.beta.-yl benzoate	492	C34H52O2	005808-11-7	27
5	5-(2-Methyloctan-2-yl)-3-(1R,3R-...	332	C22H36O2	070434-92-3	27





Sample Results: **BF140641.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

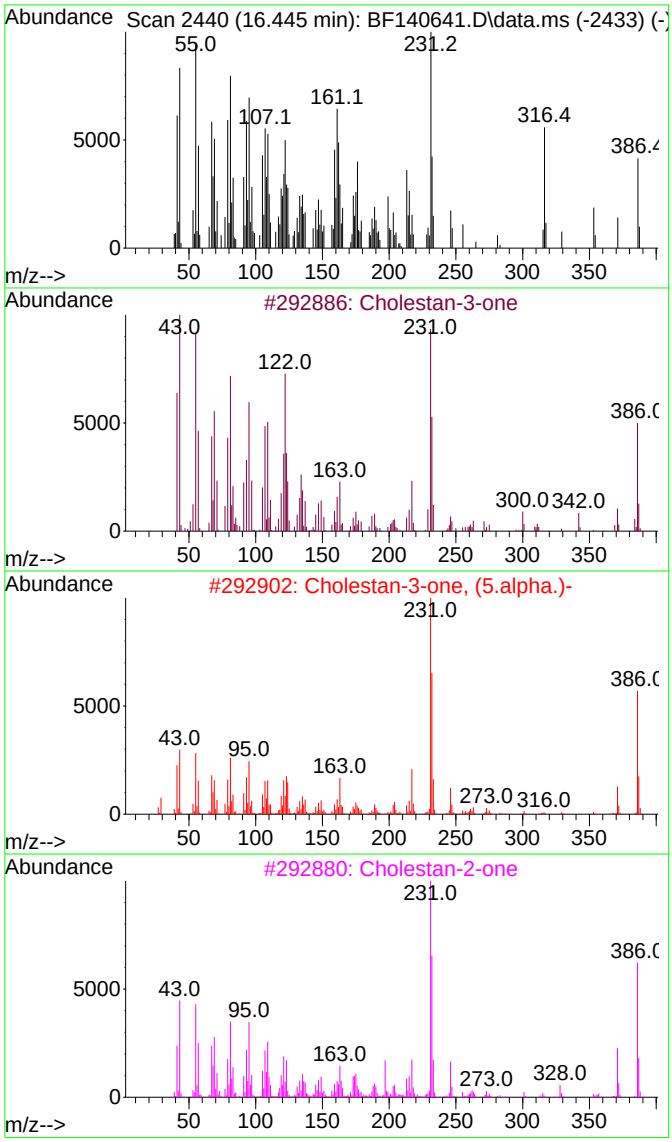
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

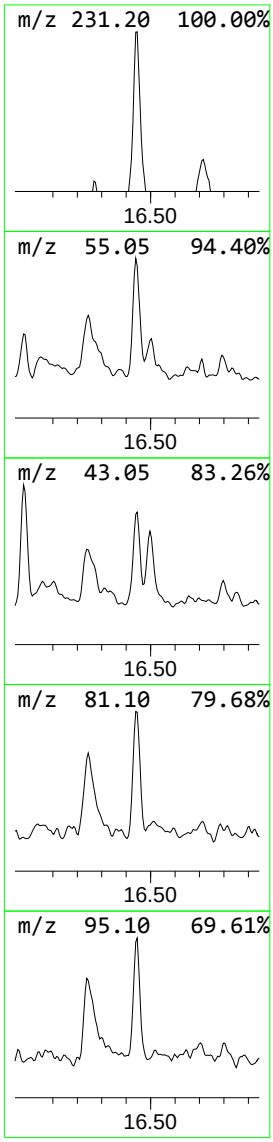
****

Peak Number 11 Cholestan-3-one Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.445	6.44 ng	142864	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholestan-3-one	386	C27H46O	015600-08-5	83
2	Cholestan-3-one, (5.alpha.)-	386	C27H46O	000566-88-1	62
3	Cholestan-2-one	386	C27H46O	1010210-43-4	47
4	Cholestan-3-one, (5.beta.)-	386	C27H46O	000601-53-6	42
5	trans-1-(p-Methoxyphenyl)-1-tetr...	316	C21H32O2	123501-67-7	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

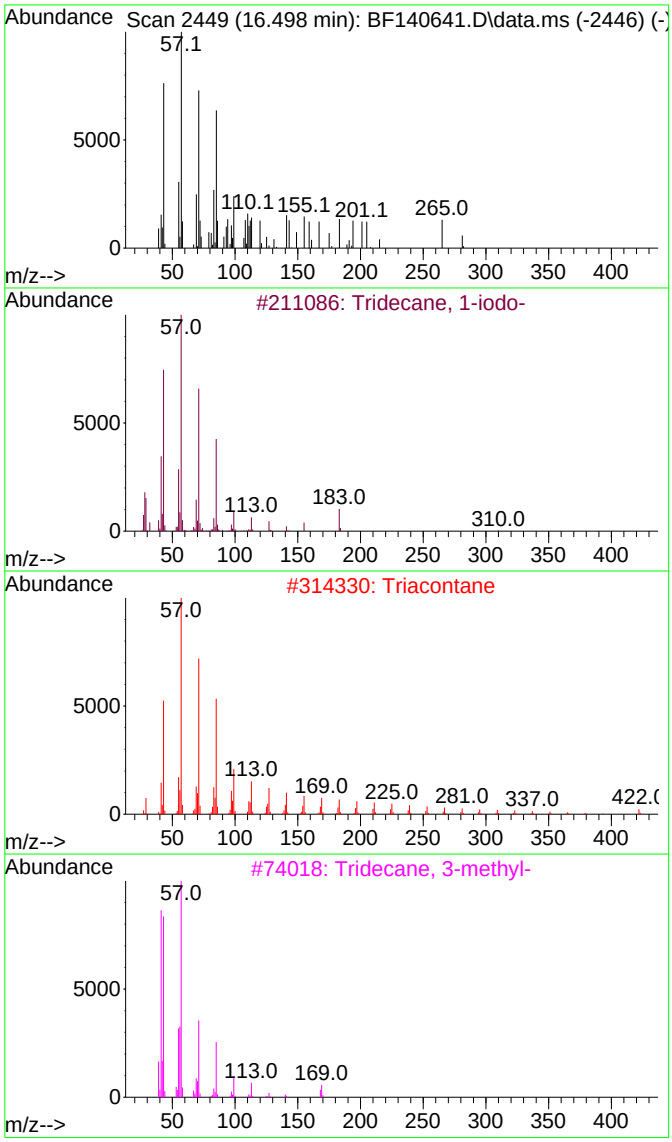
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

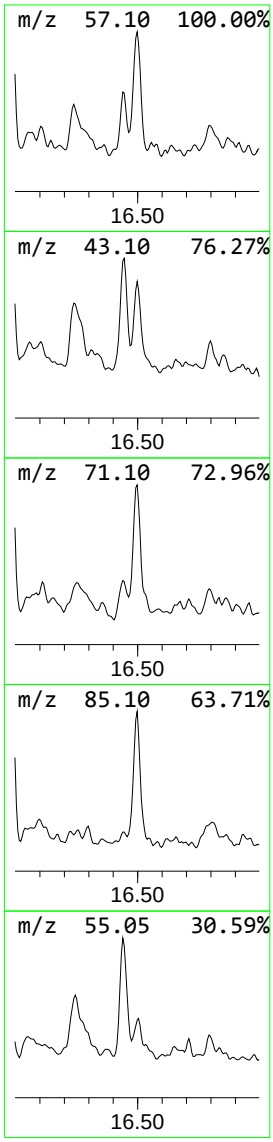
****

Peak Number 12 unknown16.498 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.498	2.22 ng	49181	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	47
2	Triacontane	422	C30H62	000638-68-6	47
3	Tridecane, 3-methyl-	198	C14H30	006418-41-3	47
4	Sulfurous acid, 2-propyl undecyl...	278	C14H30O3S	1000309-12-2	47
5	Octacosane	394	C28H58	000630-02-4	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

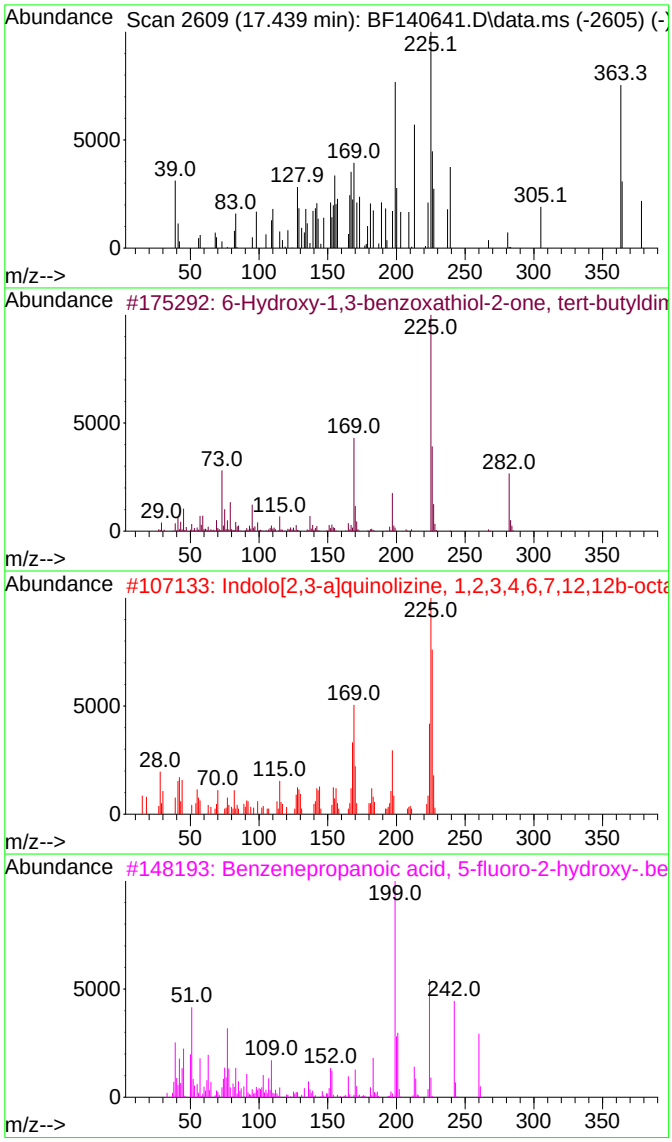
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

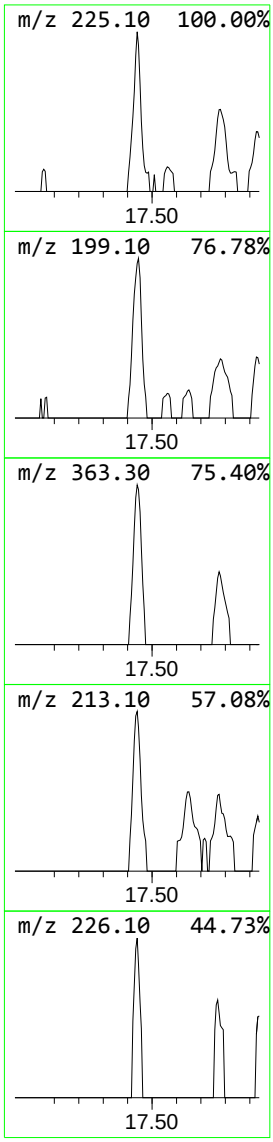
****

Peak Number 13 unknown17.439 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.439	2.27 ng	50352	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Hydroxy-1,3-benzoxathiol-2-one...	282	C13H18O3SSi	1010461-98-2	12
2	Indolo[2,3-a]quinolizine, 1,2,3,...	226	C15H18N2	004802-79-3	11
3	Benzenepropanoic acid, 5-fluoro-...	260	C15H13FO3	1000362-84-1	10
4	3-Methoxydiphenylamine	199	C13H13NO	000101-16-6	10
5	6-(2-Chloroethylthio)-N,N,N',N'-...	261	C9H16ClN5S	1000102-02-9	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

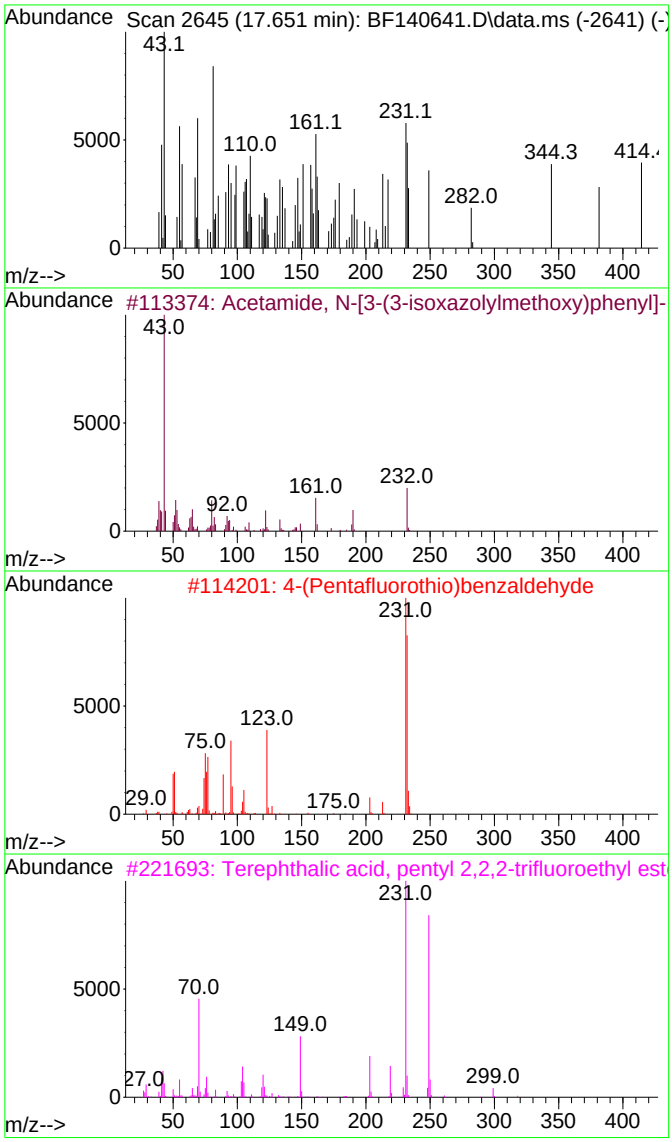
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

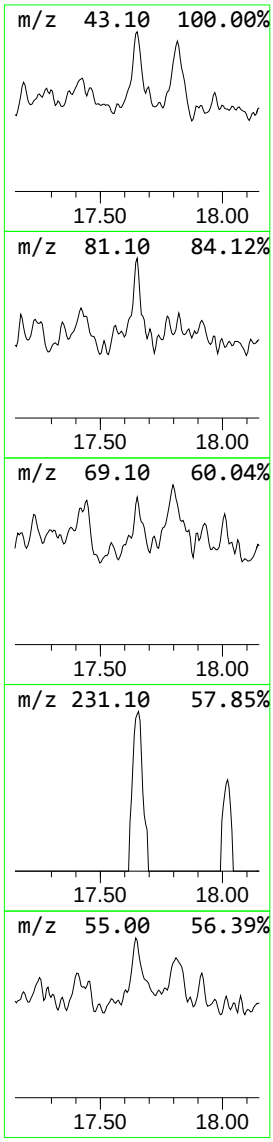
****

Peak Number 14 unknown17.651 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.651	2.07 ng	45973	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, N-[3-(3-isoxazolylmet...	232	C12H12N2O3	1000362-73-8	10
2	4-(Pentafluorothio)benzaldehyde	232	C7H5F5OS	401892-84-0	10
3	Terephthalic acid, pentyl 2,2,2-...	318	C15H17F3O4	1000383-04-0	10
4	4-(4-Chlorophenoxy)benzaldehyde	232	C13H9ClO2	061343-99-5	10
5	Costunolide	232	C15H20O2	000553-21-9	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140641.D
Acq On : 26 Nov 2024 14:55
Operator : RC/JU
Sample : P4860-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-005

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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...	2.122	32.7	ng	703888	1	6.869	430326	20.0
Benzophenone	10.616	9.6	ng	284390	3	9.904	590370	20.0
n-Hexadecanoic ...	11.916	4.9	ng	147459	4	11.398	602196	20.0
10,18-Bisnorabi...	12.645	2.4	ng	72175	4	11.398	602196	20.0
Isobutyl tetrac...	13.874	8.3	ng	161630	5	14.045	389191	20.0
Heneicosane	14.192	2.3	ng	45459	5	14.045	389191	20.0
Triacontane	14.504	4.1	ng	80254	5	14.045	389191	20.0
Octacosane, 2-m...	14.815	2.2	ng	48570	6	15.539	443348	20.0
Eicosane	15.157	3.0	ng	65806	6	15.539	443348	20.0
unknown16.245	16.245	6.6	ng	147265	6	15.539	443348	20.0
Cholestan-3-one	16.445	6.4	ng	142864	6	15.539	443348	20.0
unknown16.498	16.498	2.2	ng	49181	6	15.539	443348	20.0
unknown17.439	17.439	2.3	ng	50352	6	15.539	443348	20.0
unknown17.651	17.651	2.1	ng	45973	6	15.539	443348	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140444.D
Acq On : 18 Nov 2024 10:39
Operator : RC/JU
Sample : PB165029BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165029BL

Quant Time: Nov 18 11:37:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

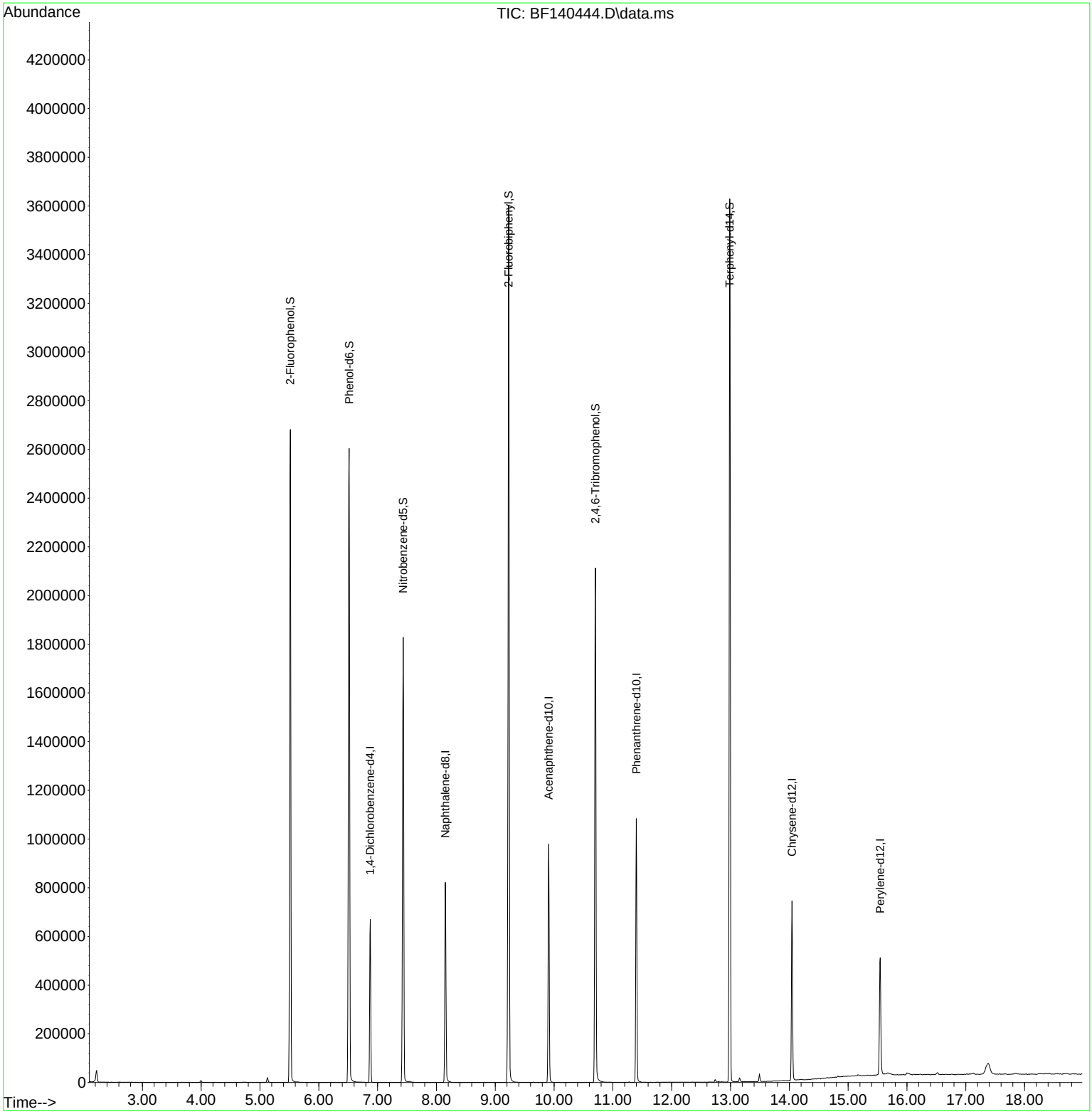
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	142751	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	545917	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	305122	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	581224	20.000	ng	0.00
76) Chrysene-d12	14.045	240	355427	20.000	ng	0.00
86) Perylene-d12	15.545	264	295657	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1035618	123.866	ng	0.02
7) Phenol-d6	6.516	99	1358724	119.949	ng	0.01
23) Nitrobenzene-d5	7.434	82	893759	85.301	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	382445	126.045	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1679654	88.493	ng	0.00
79) Terphenyl-d14	12.986	244	1809956	88.392	ng	0.00
Target Compounds						Qvalue

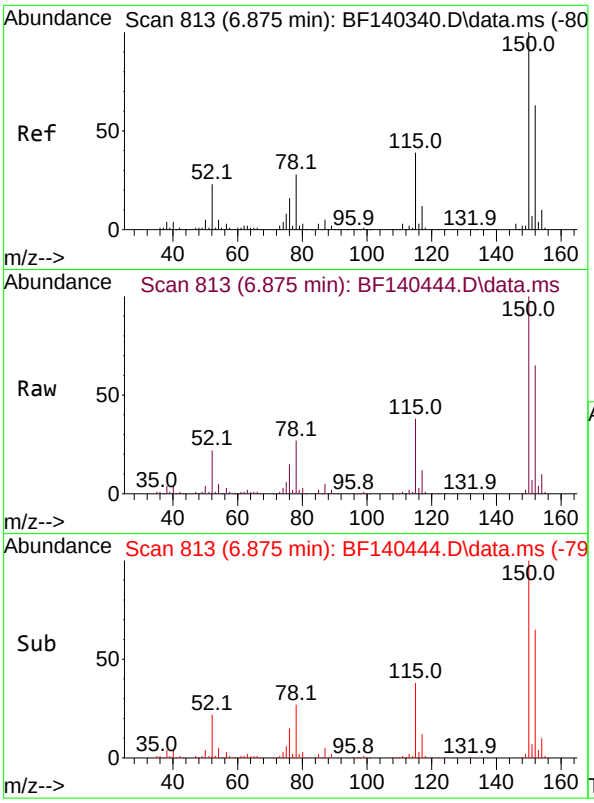
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140444.D
Acq On : 18 Nov 2024 10:39
Operator : RC/JU
Sample : PB165029BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165029BL

Quant Time: Nov 18 11:37:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration



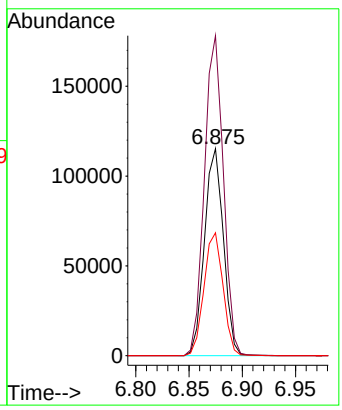


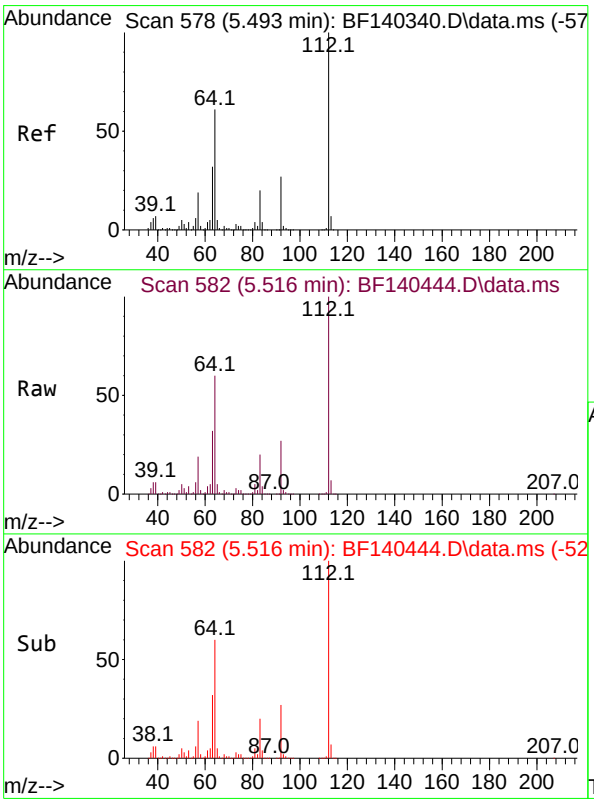
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140444.D
Acq: 18 Nov 2024 10:39

Instrument :
BNA_F
ClientSampleId :
PB165029BL

Tgt Ion:152 Resp: 142751

Ion	Ratio	Lower	Upper
152	100		
150	154.5	127.4	191.0
115	59.3	47.4	71.2

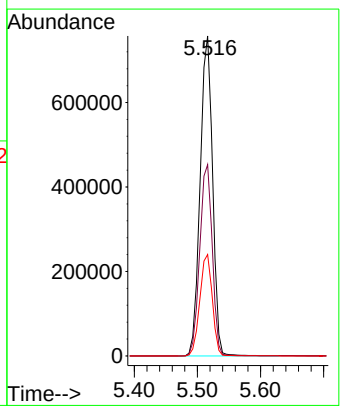


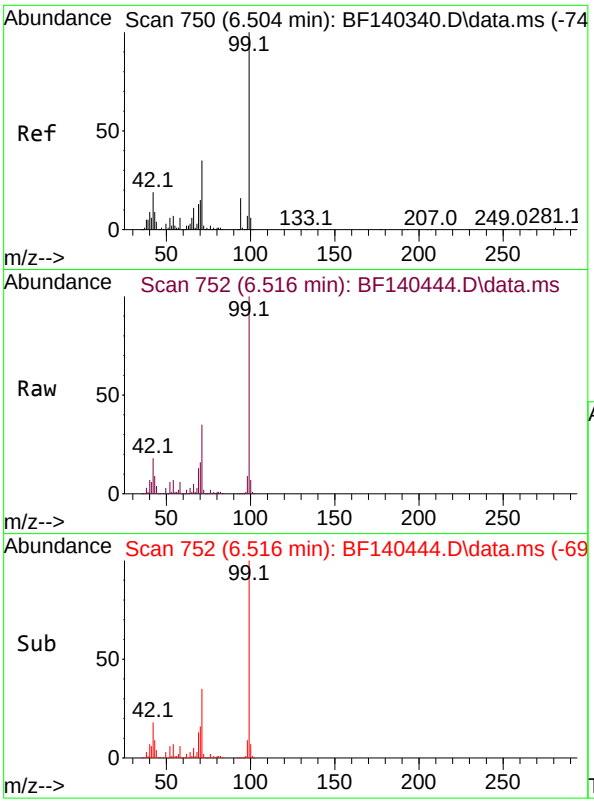


#5
2-Fluorophenol
Concen: 123.866 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.023 min
Lab File: BF140444.D
Acq: 18 Nov 2024 10:39

Tgt Ion:112 Resp: 1035618

Ion	Ratio	Lower	Upper
112	100		
64	59.8	49.2	73.8
63	31.7	25.6	38.4



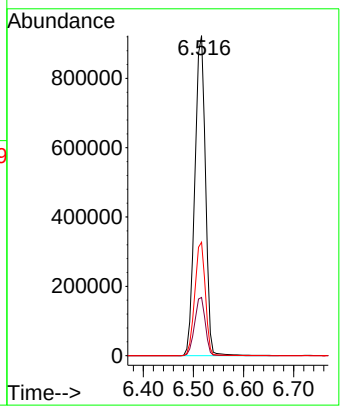


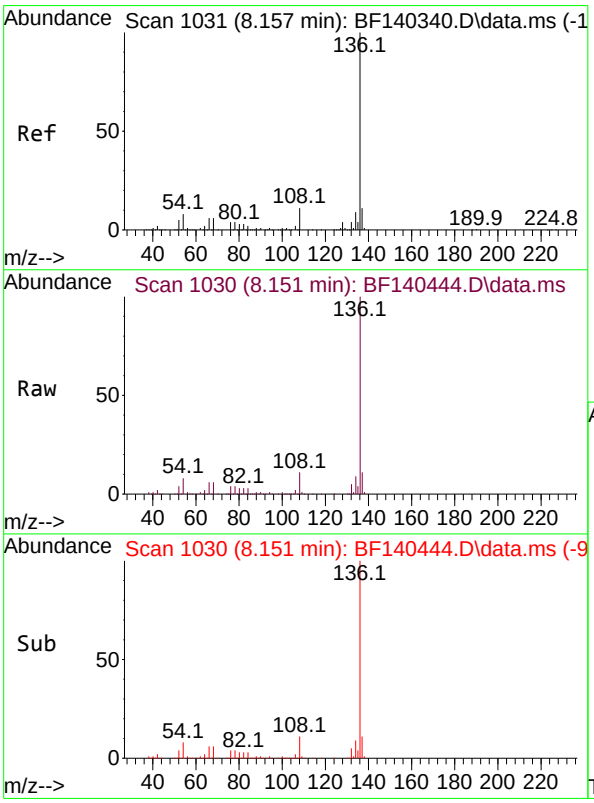
#7
Phenol-d6
Concen: 119.949 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF140444.D
Acq: 18 Nov 2024 10:39

Instrument :
BNA_F
ClientSampleId :
PB165029BL

Tgt Ion: 99 Resp: 1358724

Ion	Ratio	Lower	Upper
99	100		
42	18.2	15.1	22.7
71	35.5	27.9	41.9

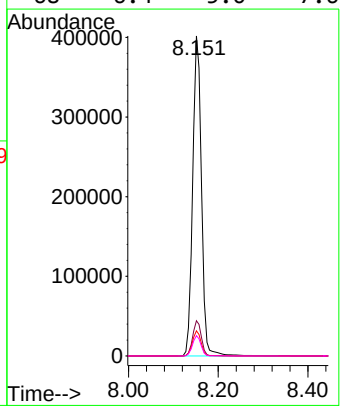


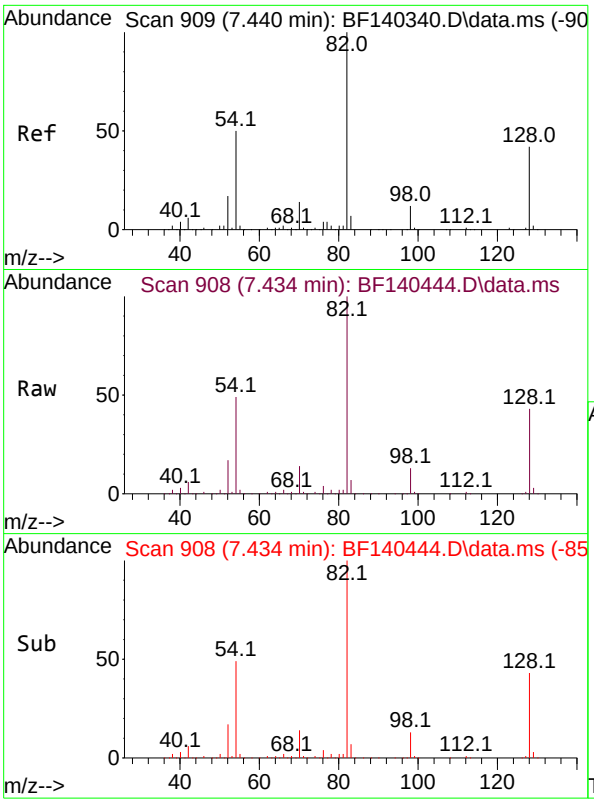


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140444.D
Acq: 18 Nov 2024 10:39

Tgt Ion:136 Resp: 545917

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	7.9	6.5	9.7
68	6.4	5.0	7.6



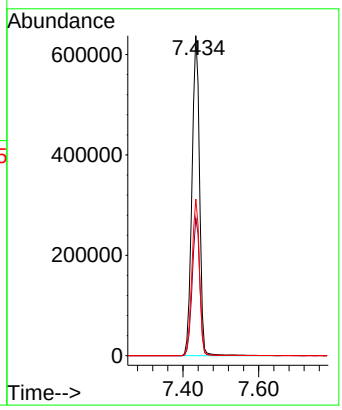


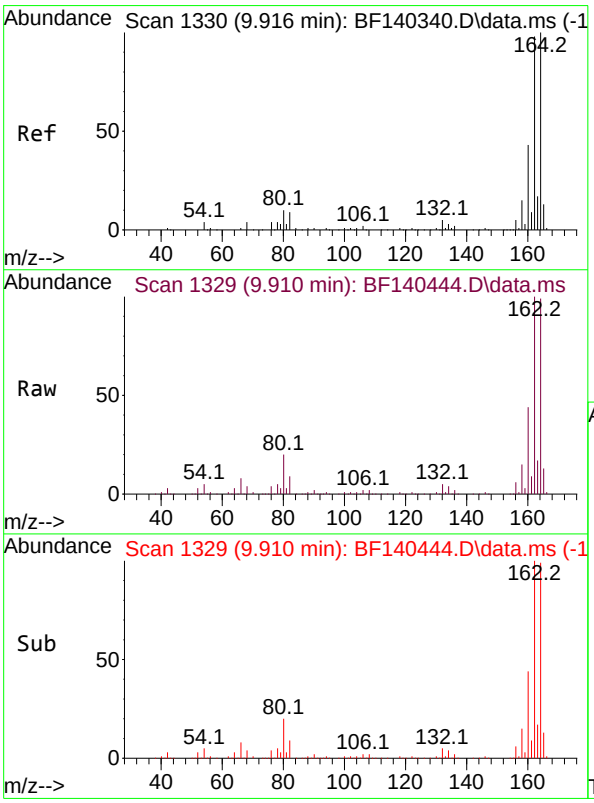
#23
Nitrobenzene-d5
Concen: 85.301 ng
RT: 7.434 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140444.D
Acq: 18 Nov 2024 10:39

Instrument :
BNA_F
ClientSampleId :
PB165029BL

Tgt Ion: 82 Resp: 893759

Ion	Ratio	Lower	Upper
82	100		
128	42.9	33.3	49.9
54	48.9	39.8	59.8

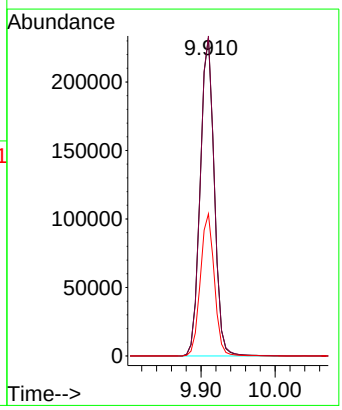


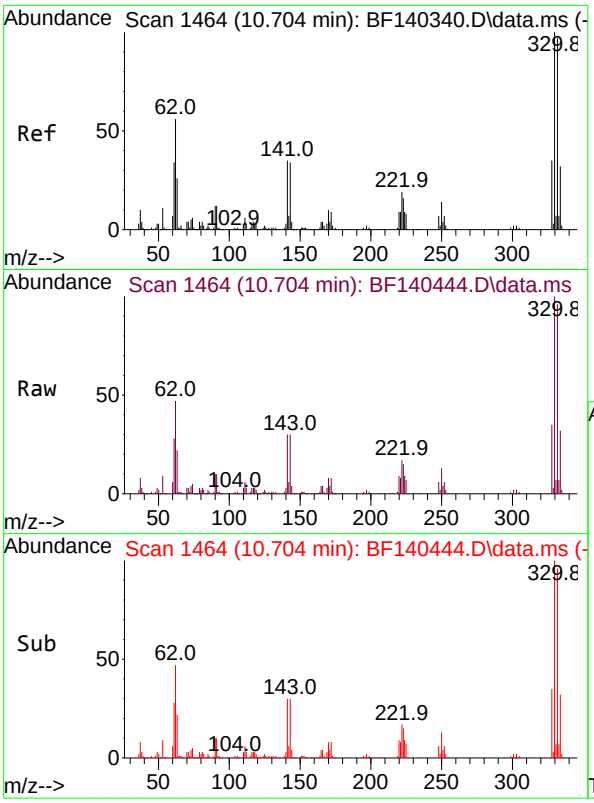


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140444.D
Acq: 18 Nov 2024 10:39

Tgt Ion:164 Resp: 305122

Ion	Ratio	Lower	Upper
164	100		
162	100.6	79.8	119.8
160	44.7	35.4	53.0



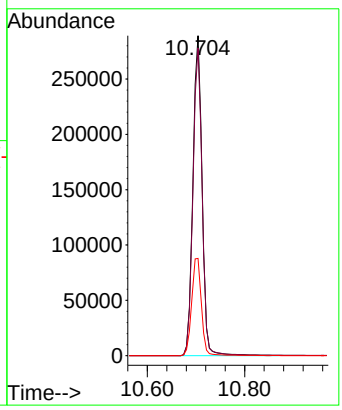


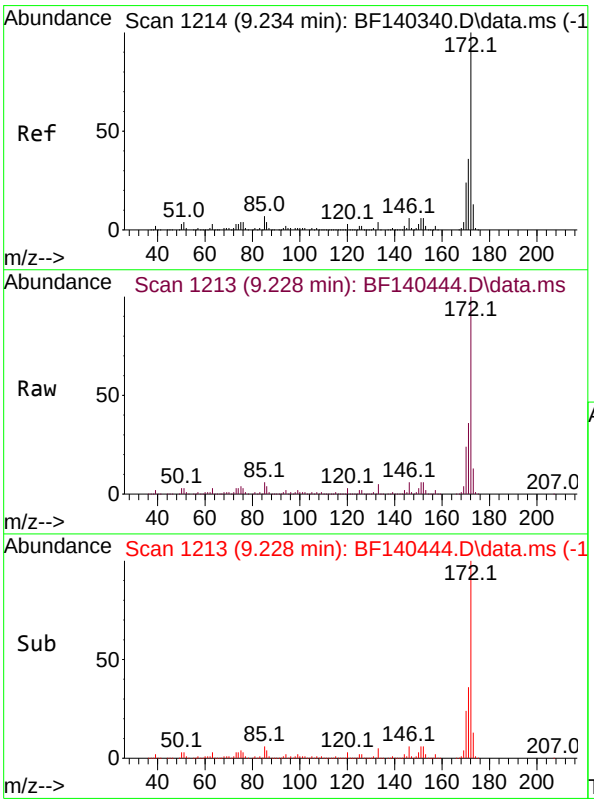
#42
2,4,6-Tribromophenol
Concen: 126.045 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140444.D
Acq: 18 Nov 2024 10:39

Instrument :
BNA_F
ClientSampleId :
PB165029BL

Tgt Ion:330 Resp: 382445

Ion	Ratio	Lower	Upper
330	100		
332	96.4	75.9	113.9
141	32.3	26.9	40.3

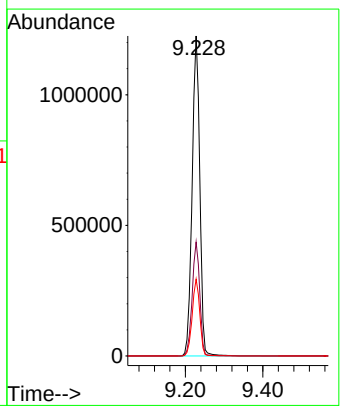


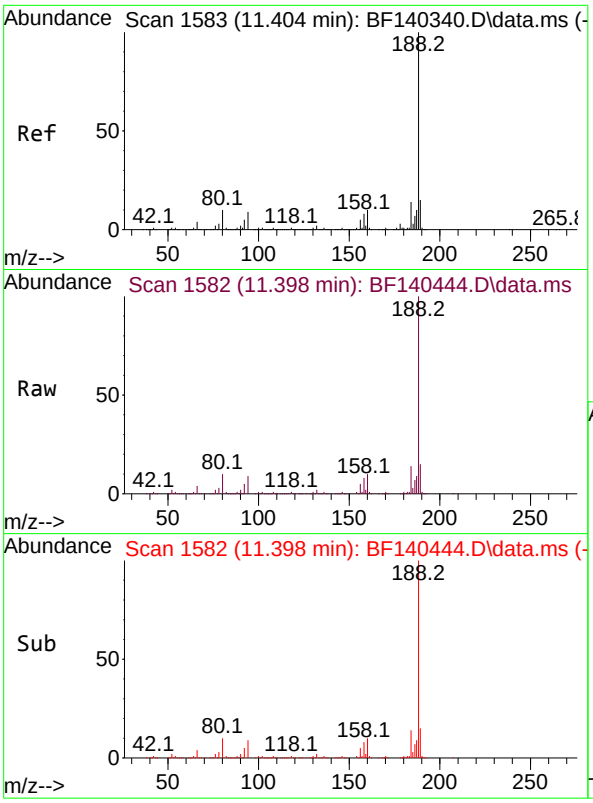


#45
2-Fluorobiphenyl
Concen: 88.493 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140444.D
Acq: 18 Nov 2024 10:39

Tgt Ion:172 Resp: 1679654

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.5	42.7
170	24.0	19.1	28.7



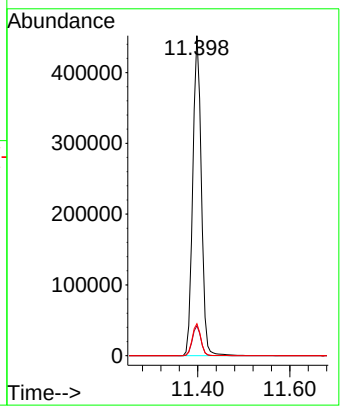


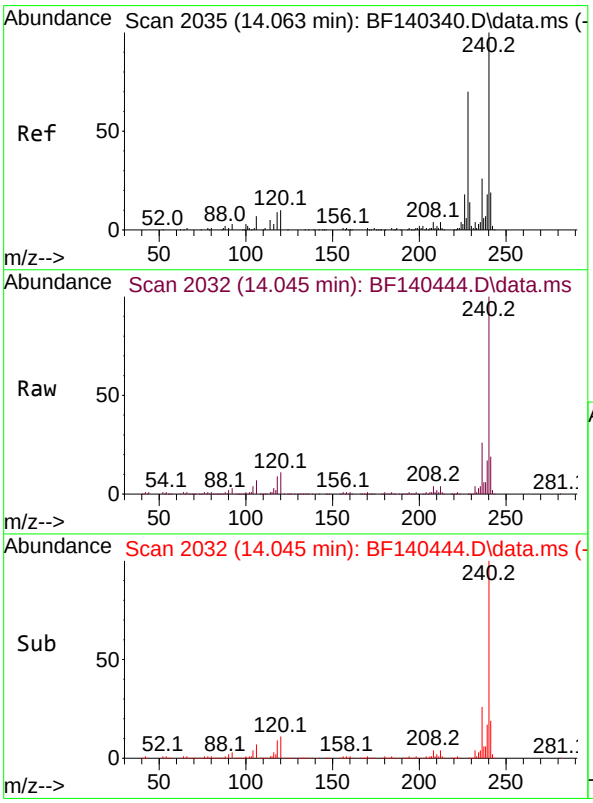
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140444.D
Acq: 18 Nov 2024 10:39

Instrument :
BNA_F
ClientSampleId :
PB165029BL

Tgt Ion:188 Resp: 581224

Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.6	11.4
80	10.0	8.0	12.0

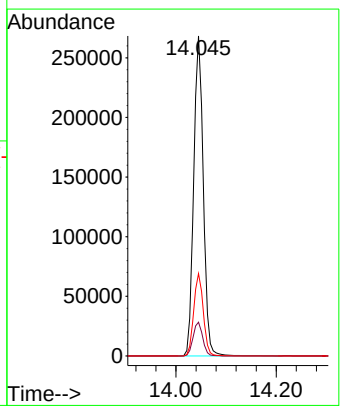


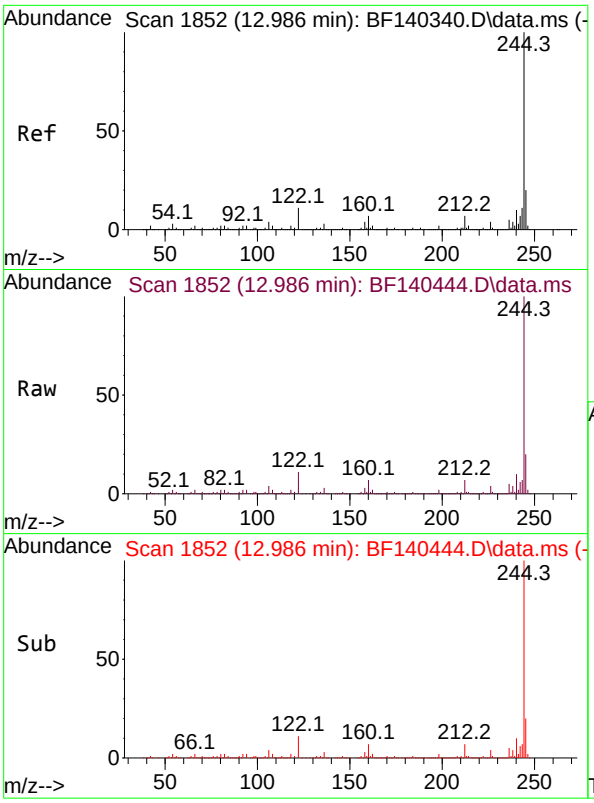


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140444.D
Acq: 18 Nov 2024 10:39

Tgt Ion:240 Resp: 355427

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.8	13.2
236	25.8	20.9	31.3



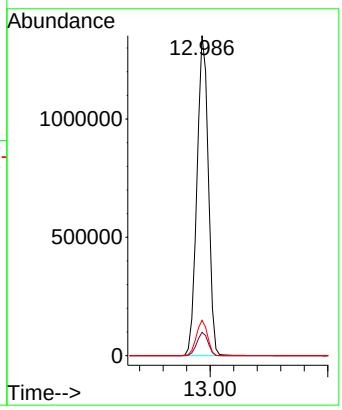


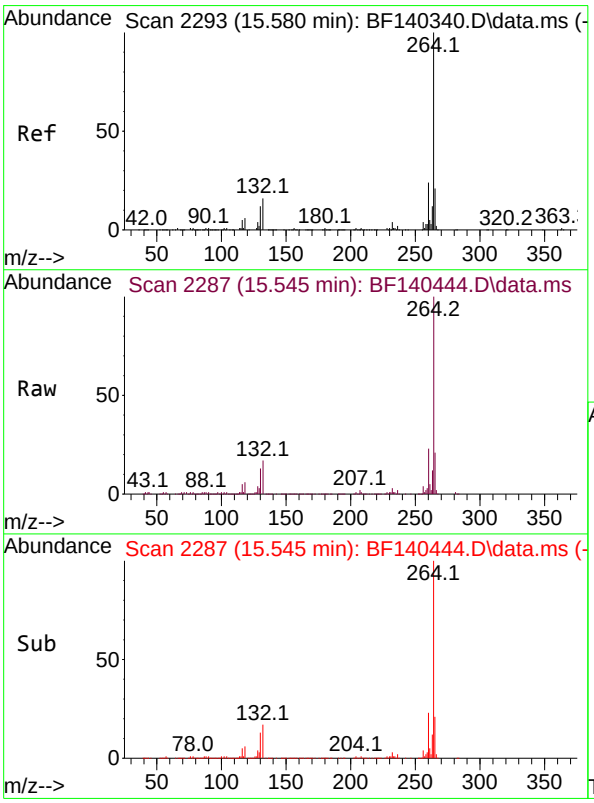
#79
Terphenyl-d14
Concen: 88.392 ng
RT: 12.986 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140444.D
Acq: 18 Nov 2024 10:39

Instrument :
BNA_F
ClientSampleId :
PB165029BL

Tgt Ion:244 Resp: 1809956

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	11.1	8.8	13.2

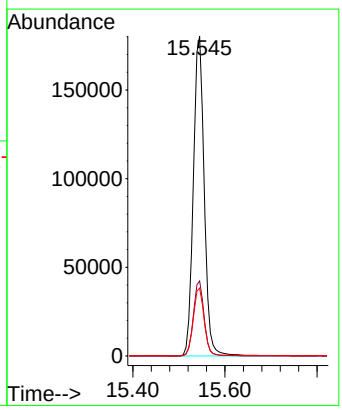




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2287
Delta R.T. -0.012 min
Lab File: BF140444.D
Acq: 18 Nov 2024 10:39

Tgt Ion:264 Resp: 295657

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.2	17.1	25.7



Sample Results: **BF140444.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140444.D
Acq On : 18 Nov 2024 10:39
Operator : RC/JU
Sample : PB165029BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165029BL

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

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

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

Signal : TIC: BF140444.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.222	12	22	31	rVB	47353	87895	1.81%	0.301%
2	5.516	575	582	587	rBV	2681640	3658105	75.46%	12.542%
3	6.516	745	752	757	rBV	2603606	3790609	78.19%	12.996%
4	6.875	808	813	818	rBV	669580	833293	17.19%	2.857%
5	7.434	901	908	913	rBV	1828119	2526840	52.12%	8.663%
6	8.151	1024	1030	1042	rBV	821808	1103324	22.76%	3.783%
7	9.228	1206	1213	1218	rBV	3601518	4847864	100.00%	16.621%
8	9.910	1323	1329	1345	rBV	979715	1285453	26.52%	4.407%
9	10.704	1458	1464	1482	rBV	2112211	2891577	59.65%	9.914%
10	11.398	1577	1582	1600	rVB	1083165	1380754	28.48%	4.734%
11	12.986	1846	1852	1857	rBV	3627483	4808433	99.19%	16.486%
12	14.045	2027	2032	2044	rBV	737570	974949	20.11%	3.343%
13	15.545	2280	2287	2296	rBV	480622	789940	16.29%	2.708%
14	17.380	2590	2599	2614	rVB3	41645	187647	3.87%	0.643%

Sum of corrected areas: 29166683

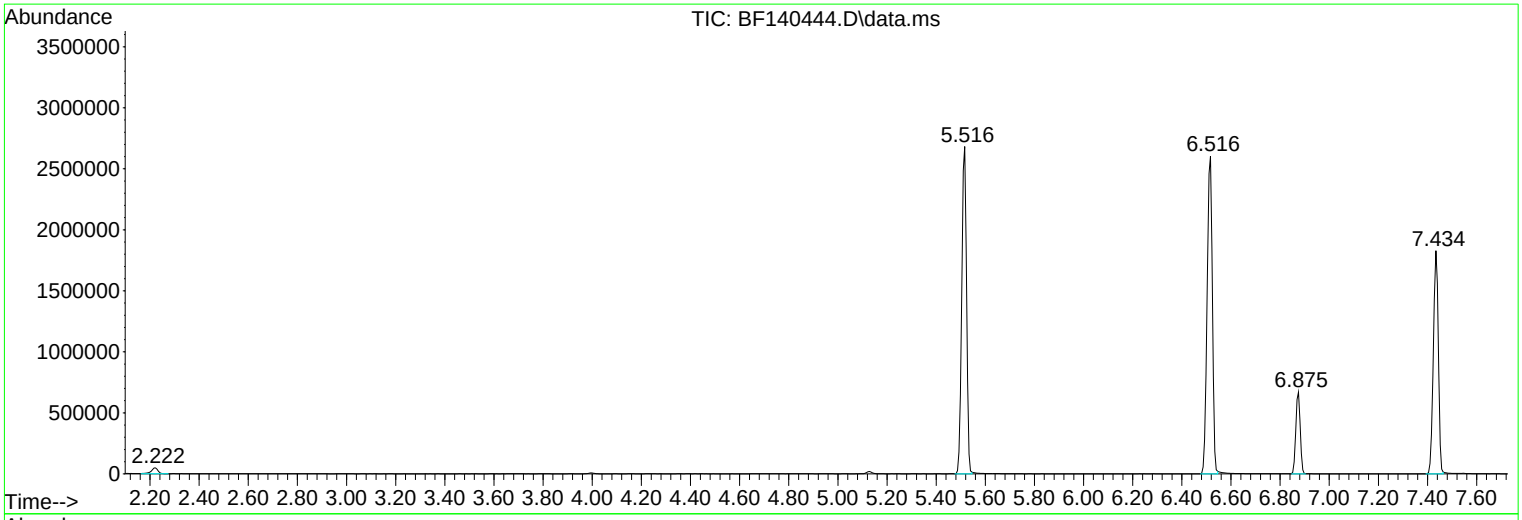
Sample Results: **BF140444.D**

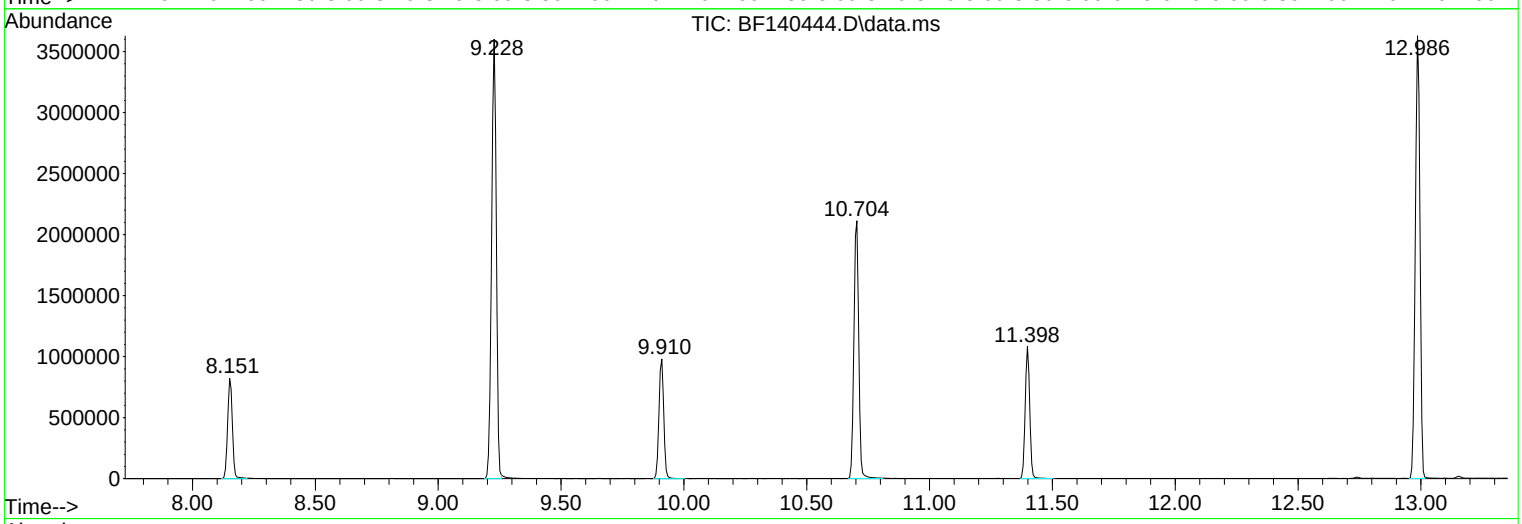
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140444.D
Acq On : 18 Nov 2024 10:39
Operator : RC/JU
Sample : PB165029BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

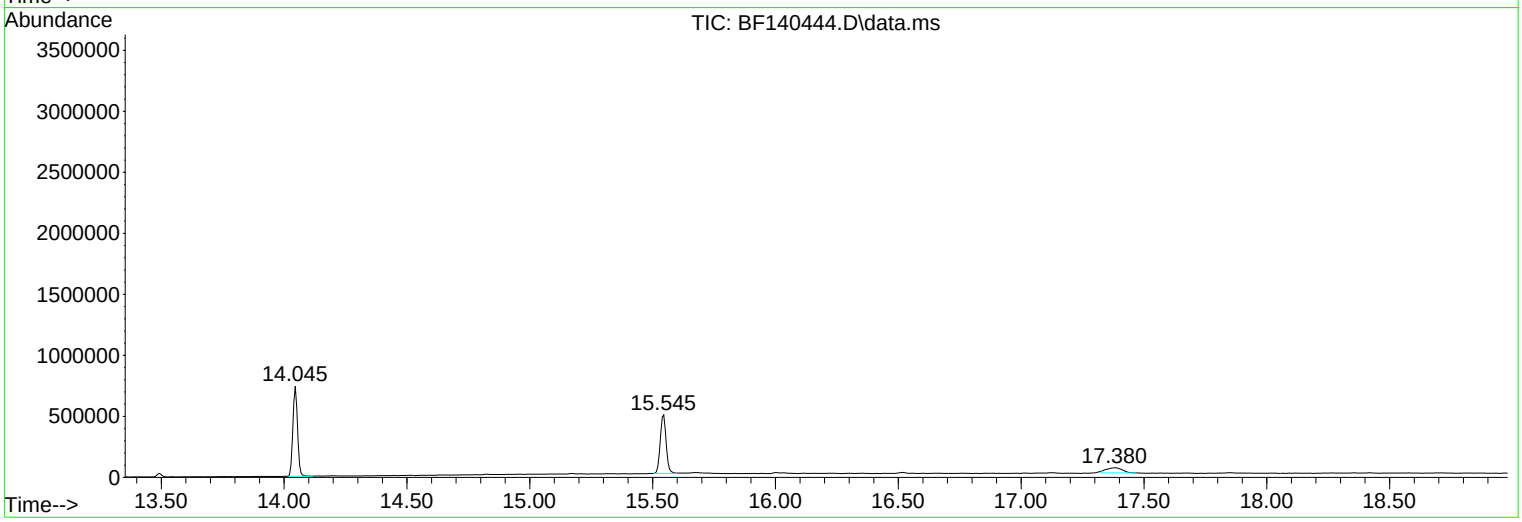
Instrument :
BNA_F
ClientSampleId :
PB165029BL

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

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







Sample Results: **BF140444.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140444.D
Acq On : 18 Nov 2024 10:39
Operator : RC/JU
Sample : PB165029BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165029BL

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

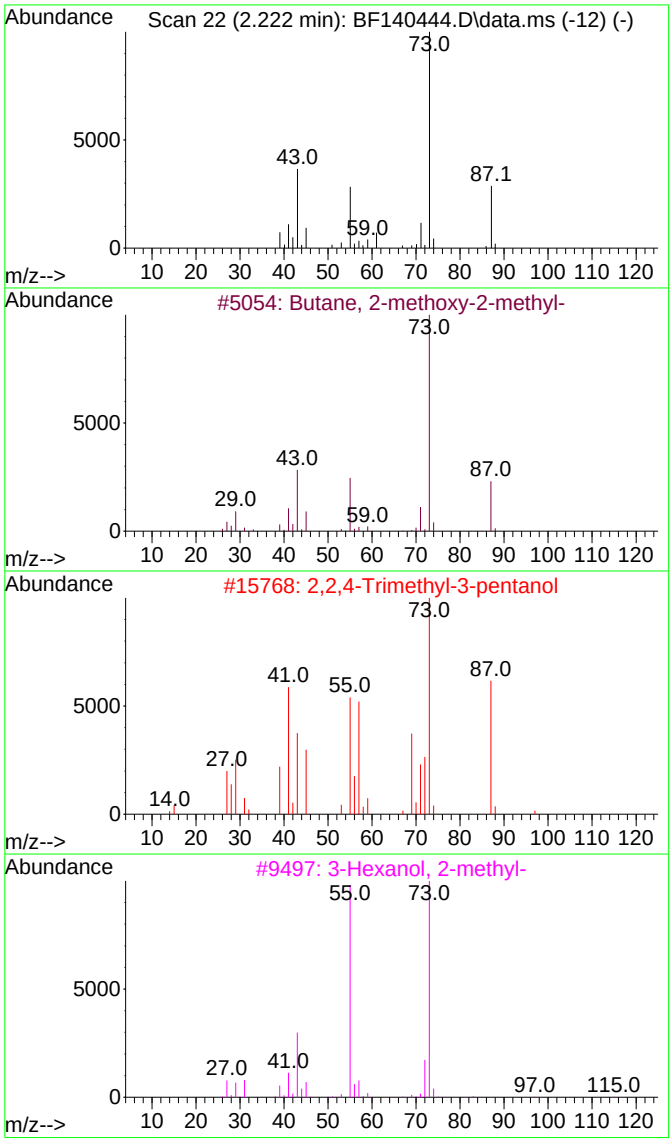
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

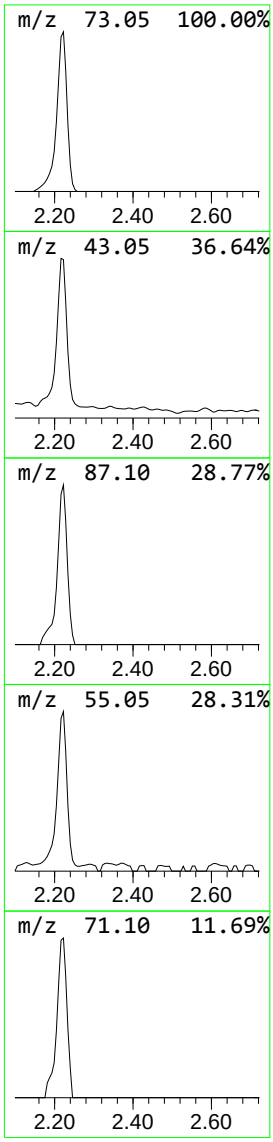
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.222	2.11 ng	87895	1,4-Dichlorobenzene-d4	6.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	23
4	1,3-Dioxolane, 2-propyl-	116	C6H12O2	003390-13-4	17
5	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140444.D
Acq On : 18 Nov 2024 10:39
Operator : RC/JU
Sample : PB165029BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165029BL

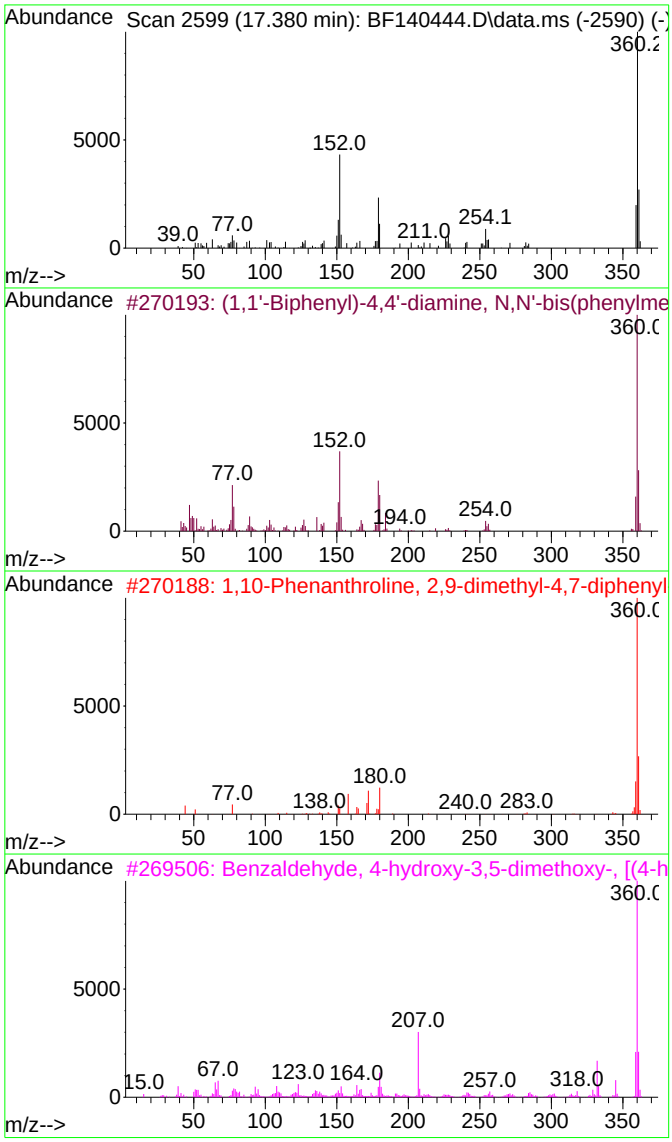
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

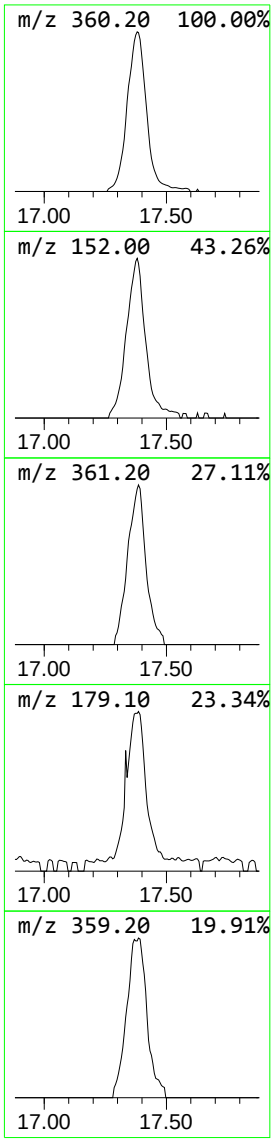
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (1,1'-Biphenyl)-4,4'-diamin... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.380	4.75 ng	187647	Perylene-d12	15.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1,1'-Biphenyl)-4,4'-diamine, N,...	360	C26H20N2	006311-48-4	94
2	1,10-Phenanthroline, 2,9-dimethy...	360	C26H20N2	004733-39-5	52
3	Benzaldehyde, 4-hydroxy-3,5-dime...	360	C18H20N2O6	014414-32-5	52
4	Androst-4-ene-3,17-dione, 12-hyd...	360	C21H32N2O3	069688-31-9	47
5	N,N'-di-2-Naphthyl-p-phenylenedi...	360	C26H20N2	000093-46-9	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140444.D
Acq On : 18 Nov 2024 10:39
Operator : RC/JU
Sample : PB165029BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165029BL

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

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.222	2.1	ng	87895	1	6.875	833293	20.0
(1,1'-Biphenyl)...	17.380	4.8	ng	187647	6	15.545	789940	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140445.D
Acq On : 18 Nov 2024 11:05
Operator : RC/JU
Sample : PB165029BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 18 11:37:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB165029BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel

11/19/2024

Supervised By :mohammad ahmed

11/19/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	142797	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	543909	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	303339	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	568567	20.000	ng		0.00
76) Chrysene-d12	14.057	240	301677	20.000	ng		0.00
86) Perylene-d12	15.551	264	262350	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	1000875	119.672	ng		0.02
7) Phenol-d6	6.516	99	1300633	114.784	ng		0.01
23) Nitrobenzene-d5	7.440	82	860722	82.451	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	384780	127.560	ng		0.00
45) 2-Fluorobiphenyl	9.234	172	1602496	84.924	ng		0.00
79) Terphenyl-d14	12.986	244	1712516	98.535	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.734	88	137852	36.982	ng		98
3) Pyridine	3.493	79	354693	38.705	ng		99
4) n-Nitrosodimethylamine	3.446	42	187846	40.558	ng		99
6) Aniline	6.540	93	374120	37.954	ng	#	50
8) 2-Chlorophenol	6.663	128	405231	45.106	ng		98
9) Benzaldehyde	6.428	77	36468	5.370	ng		96
10) Phenol	6.534	94	499145	41.771	ng	#	73
11) bis(2-Chloroethyl)ether	6.610	93	393787	43.492	ng		100
12) 1,3-Dichlorobenzene	6.816	146	413257	41.691	ng		99
13) 1,4-Dichlorobenzene	6.893	146	417677	41.556	ng		99
14) 1,2-Dichlorobenzene	7.045	146	398765	42.737	ng		99
15) Benzyl Alcohol	7.016	79	369056	45.207	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	529036	42.301	ng		70
17) 2-Methylphenol	7.134	107	318180	43.053	ng		94
18) Hexachloroethane	7.387	117	158881	42.759	ng		98
19) n-Nitroso-di-n-propyla...	7.287	70	287998	42.083	ng		100
20) 3+4-Methylphenols	7.287	107	400760	43.360	ng		95
22) Acetophenone	7.281	105	529582	41.863	ng		99
24) Nitrobenzene	7.457	77	445374	40.977	ng		99
25) Isophorone	7.692	82	804333	43.474	ng		99
26) 2-Nitrophenol	7.775	139	214074	44.384	ng		98
27) 2,4-Dimethylphenol	7.810	122	326761	52.918	ng		99
28) bis(2-Chloroethoxy)met...	7.904	93	489908	43.184	ng		99
29) 2,4-Dichlorophenol	8.016	162	341063	44.692	ng		98
30) 1,2,4-Trichlorobenzene	8.098	180	355715	41.867	ng		98
31) Naphthalene	8.181	128	1168469	42.349	ng		100
32) Benzoic acid	7.939	122	218773	40.264	ng		95
33) 4-Chloroaniline	8.228	127	234759	24.465	ng		98
34) Hexachlorobutadiene	8.292	225	229108	42.323	ng		99
35) Caprolactam	8.598	113	107905m	42.542	ng		
36) 4-Chloro-3-methylphenol	8.716	107	371125	43.883	ng		99
37) 2-Methylnaphthalene	8.869	142	765366	43.260	ng		100
38) 1-Methylnaphthalene	8.969	142	713542	41.186	ng		99
40) 1,2,4,5-Tetrachloroben...	9.034	216	360556	42.983	ng		98
41) Hexachlorocyclopentadiene	9.016	237	366390	170.119	ng		99
43) 2,4,6-Trichlorophenol	9.151	196	243111	44.162	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140445.D
Acq On : 18 Nov 2024 11:05
Operator : RC/JU
Sample : PB165029BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 18 11:37:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB165029BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel

11/19/2024

Supervised By :mohammad ahmed

11/19/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	254080	42.215	ng	98
46) 1,1'-Biphenyl	9.334	154	953595	43.212	ng	99
47) 2-Chloronaphthalene	9.357	162	709256	42.191	ng	99
48) 2-Nitroaniline	9.457	65	246291	44.178	ng	98
49) Acenaphthylene	9.775	152	1176469	46.256	ng	100
50) Dimethylphthalate	9.633	163	883998	44.710	ng	99
51) 2,6-Dinitrotoluene	9.698	165	189531	42.048	ng	100
52) Acenaphthene	9.945	154	833212m	48.503	ng	
53) 3-Nitroaniline	9.869	138	130001	27.463	ng	98
54) 2,4-Dinitrophenol	9.981	184	198188	85.263	ng	99
55) Dibenzofuran	10.122	168	1070551	44.022	ng	100
56) 4-Nitrophenol	10.045	139	280804	81.325	ng	98
57) 2,4-Dinitrotoluene	10.104	165	263206	44.368	ng	100
58) Fluorene	10.463	166	833821	43.403	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	218568	45.992	ng	98
60) Diethylphthalate	10.333	149	885703	43.808	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	413629	43.611	ng	99
62) 4-Nitroaniline	10.486	138	199894	41.299	ng	99
63) Azobenzene	10.616	77	869372	43.520	ng	100
65) 4,6-Dinitro-2-methylph...	10.516	198	139047	45.455	ng	98
66) n-Nitrosodiphenylamine	10.575	169	730437	44.463	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	249652	43.926	ng	98
68) Hexachlorobenzene	11.010	284	283562	44.343	ng	99
69) Atrazine	11.104	200	246446	49.585	ng	99
70) Pentachlorophenol	11.210	266	282690	82.067	ng	99
71) Phenanthrene	11.428	178	1183501	44.311	ng	100
72) Anthracene	11.480	178	1209578	46.209	ng	100
73) Carbazole	11.633	167	1099728	42.548	ng	99
74) Di-n-butylphthalate	11.957	149	1368135	44.103	ng	100
75) Fluoranthene	12.616	202	1255837	41.910	ng	99
77) Benzidine	12.739	184	313825	27.104	ng	100
78) Pyrene	12.851	202	1260459	48.846	ng	100
80) Butylbenzylphthalate	13.463	149	502582	50.700	ng	96
81) Benzo(a)anthracene	14.045	228	930920	46.952	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	177638	28.188	ng	100
83) Chrysene	14.080	228	816823	45.152	ng	99
84) Bis(2-ethylhexyl)phtha...	14.021	149	654935	49.499	ng	99
85) Di-n-octyl phthalate	14.657	149	849818	45.603	ng	99
87) Indeno(1,2,3-cd)pyrene	17.068	276	837971	51.707	ng	100
88) Benzo(b)fluoranthene	15.116	252	744683	43.392	ng	99
89) Benzo(k)fluoranthene	15.145	252	599133	42.735	ng	99
90) Benzo(a)pyrene	15.492	252	643530	48.287	ng	99
91) Dibenzo(a,h)anthracene	17.080	278	681008	50.837	ng	99
92) Benzo(g,h,i)perylene	17.521	276	637219	46.529	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140445.D
Acq On : 18 Nov 2024 11:05
Operator : RC/JU
Sample : PB165029BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 18 11:37:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB165029BS

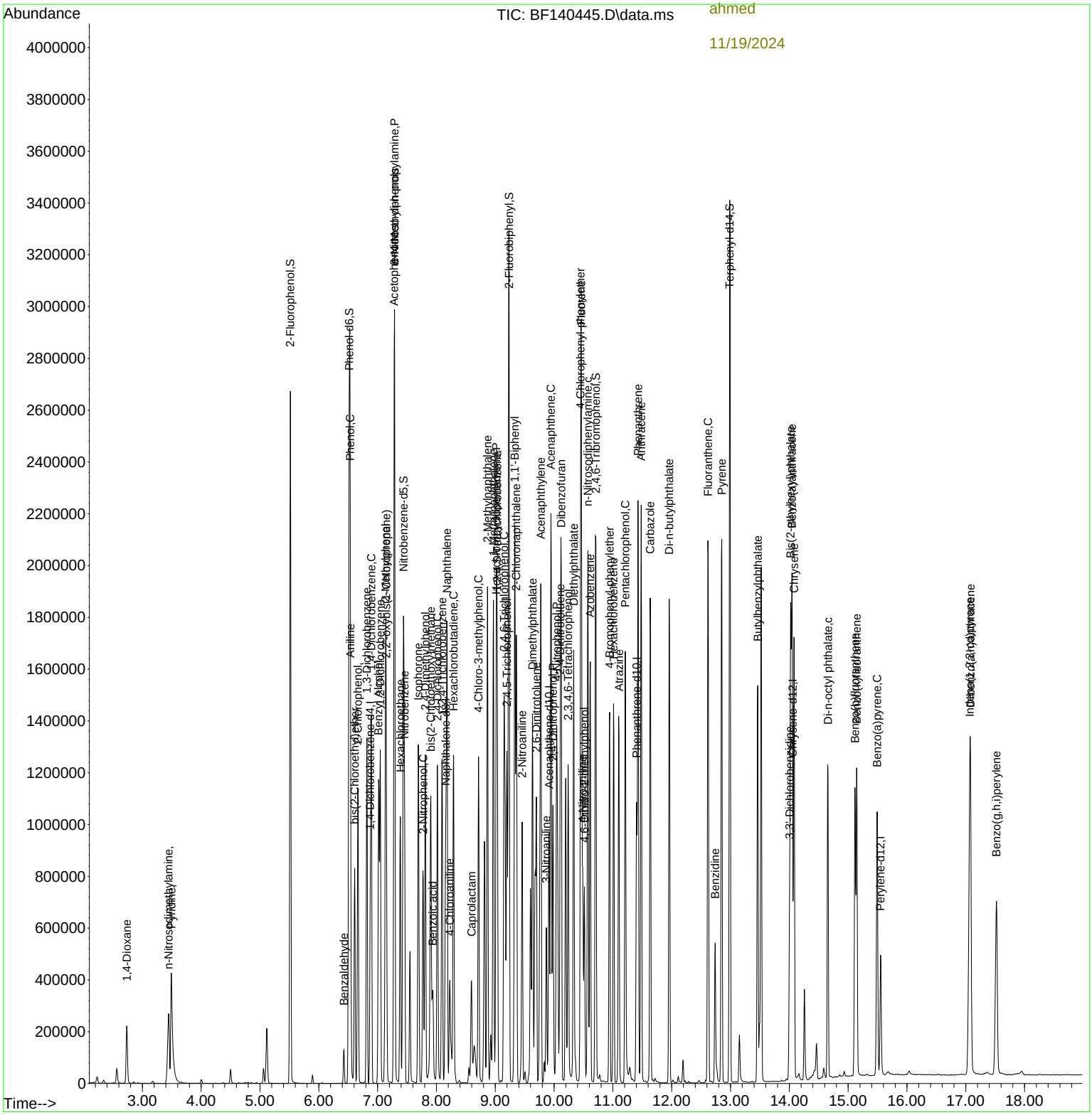
Manual Integrations APPROVED

Reviewed By :Yogesh Patel

11/19/2024

Supervised By :mohammad ahmed

11/19/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140639.D
Acq On : 26 Nov 2024 14:03
Operator : RC/JU
Sample : P4860-09MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 26 14:26:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	72875	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	271368	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	144034	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	272823	20.000	ng	0.00
76) Chrysene-d12	14.045	240	144480	20.000	ng	0.00
86) Perylene-d12	15.539	264	156989	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	443633	103.867	ng	0.00
7) Phenol-d6	6.510	99	584236	103.467	ng	0.00
23) Nitrobenzene-d5	7.434	82	377912	71.233	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	167747	108.895	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	710421	73.489	ng	0.00
79) Terphenyl-d14	12.980	244	779258	83.984	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.657	88	79542	44.293	ng	98
3) Pyridine	3.428	79	192802	48.796	ng	98
4) n-Nitrosodimethylamine	3.375	42	107349	46.227	ng	97
6) Aniline	6.534	93	146418	36.841	ng	92
8) 2-Chlorophenol	6.657	128	223335	48.603	ng	97
9) Benzaldehyde	6.422	77	18599	6.222	ng	99
10) Phenol	6.522	94	278171	48.239	ng	92
11) bis(2-Chloroethyl)ether	6.604	93	208272	47.198	ng	99
12) 1,3-Dichlorobenzene	6.810	146	238881	46.265	ng	98
13) 1,4-Dichlorobenzene	6.886	146	240428	45.988	ng	99
14) 1,2-Dichlorobenzene	7.039	146	227344	46.408	ng	100
15) Benzyl Alcohol	7.016	79	202443	48.345	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.139	45	256362	49.176	ng	98
17) 2-Methylphenol	7.128	107	171173	46.535	ng	97
18) Hexachloroethane	7.381	117	89375	45.772	ng	98
19) n-Nitroso-di-n-propyla...	7.281	70	154926	46.425	ng	97
20) 3+4-Methylphenols	7.281	107	220678	46.675	ng	96
22) Acetophenone	7.281	105	301891	45.632	ng	98
24) Nitrobenzene	7.451	77	241159	43.981	ng	99
25) Isophorone	7.692	82	411193	46.469	ng	99
26) 2-Nitrophenol	7.769	139	117437	48.330	ng	97
27) 2,4-Dimethylphenol	7.804	122	162312m	55.828	ng	
28) bis(2-Chloroethoxy)met...	7.898	93	250883	46.540	ng	99
29) 2,4-Dichlorophenol	8.016	162	182253	47.309	ng	98
30) 1,2,4-Trichlorobenzene	8.092	180	194646	44.252	ng	100
31) Naphthalene	8.175	128	646180	46.229	ng	99
32) Benzoic acid	7.933	122	101818	41.406	ng	96
33) 4-Chloroaniline	8.228	127	83516	19.956	ng	99
34) Hexachlorobutadiene	8.286	225	128456	44.091	ng	99
35) Caprolactam	8.586	113	56877m	47.707	ng	
36) 4-Chloro-3-methylphenol	8.716	107	197751	45.847	ng	98
37) 2-Methylnaphthalene	8.863	142	414518	46.690	ng	100
38) 1-Methylnaphthalene	8.963	142	381148	43.798	ng	99
40) 1,2,4,5-Tetrachloroben...	9.033	216	202324	47.983	ng	99
41) Hexachlorocyclopentadiene	9.016	237	135863	137.572	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	127748	48.282	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140639.D
Acq On : 26 Nov 2024 14:03
Operator : RC/JU
Sample : P4860-09MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 26 14:26:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	139416	48.551	ng	96
46) 1,1'-Biphenyl	9.328	154	514692	47.862	ng	99
47) 2-Chloronaphthalene	9.357	162	382485	46.940	ng	99
48) 2-Nitroaniline	9.457	65	125839	48.114	ng	95
49) Acenaphthylene	9.769	152	630563	51.217	ng	99
50) Dimethylphthalate	9.627	163	454611	47.924	ng	100
51) 2,6-Dinitrotoluene	9.692	165	99188	46.104	ng	97
52) Acenaphthene	9.939	154	375033	47.942	ng	98
53) 3-Nitroaniline	9.863	138	57822	27.480	ng	98
54) 2,4-Dinitrophenol	9.980	184	98260	87.387	ng	95
55) Dibenzofuran	10.116	168	572484	47.979	ng	100
56) 4-Nitrophenol	10.039	139	152831	106.501	ng	94
57) 2,4-Dinitrotoluene	10.104	165	135674	47.451	ng	97
58) Fluorene	10.457	166	453902	47.392	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	112703	51.069	ng	94
60) Diethylphthalate	10.327	149	451967	46.895	ng	100
61) 4-Chlorophenyl-phenyle...	10.445	204	224254	47.711	ng	99
62) 4-Nitroaniline	10.480	138	100696	45.629	ng	96
63) Azobenzene	10.610	77	524784	57.497	ng	95
65) 4,6-Dinitro-2-methylph...	10.516	198	71190	51.064	ng	95
66) n-Nitrosodiphenylamine	10.569	169	387249	47.998	ng	100
67) 4-Bromophenyl-phenylether	10.939	248	130003	46.270	ng	97
68) Hexachlorobenzene	11.010	284	148605	45.678	ng	100
69) Atrazine	11.098	200	129488	57.050	ng	98
70) Pentachlorophenol	11.210	266	144797	101.125	ng	99
71) Phenanthrene	11.421	178	647201	49.351	ng	100
72) Anthracene	11.474	178	648791	50.575	ng	100
73) Carbazole	11.633	167	614631	49.804	ng	100
74) Di-n-butylphthalate	11.957	149	707026	49.624	ng	99
75) Fluoranthene	12.616	202	684156	48.049	ng	99
77) Benzidine	12.739	184	68757	16.368	ng	99
78) Pyrene	12.845	202	686681	51.402	ng	99
80) Butylbenzylphthalate	13.457	149	269712	56.045	ng	99
81) Benzo(a)anthracene	14.033	228	484677	50.677	ng	100
82) 3,3'-Dichlorobenzidine	13.998	252	93315	32.497	ng	99
83) Chrysene	14.074	228	418366	47.839	ng	99
84) Bis(2-ethylhexyl)phtha...	14.015	149	354267	58.299	ng	99
85) Di-n-octyl phthalate	14.633	149	475051	57.203	ng	97
87) Indeno(1,2,3-cd)pyrene	17.051	276	469230	45.864	ng	98
88) Benzo(b)fluoranthene	15.098	252	447398	45.372	ng	99
89) Benzo(k)fluoranthene	15.133	252	401777	46.561	ng	99
90) Benzo(a)pyrene	15.474	252	415830	51.865	ng	99
91) Dibenzo(a,h)anthracene	17.056	278	391712	46.751	ng	99
92) Benzo(g,h,i)perylene	17.503	276	334296	39.099	ng	98

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

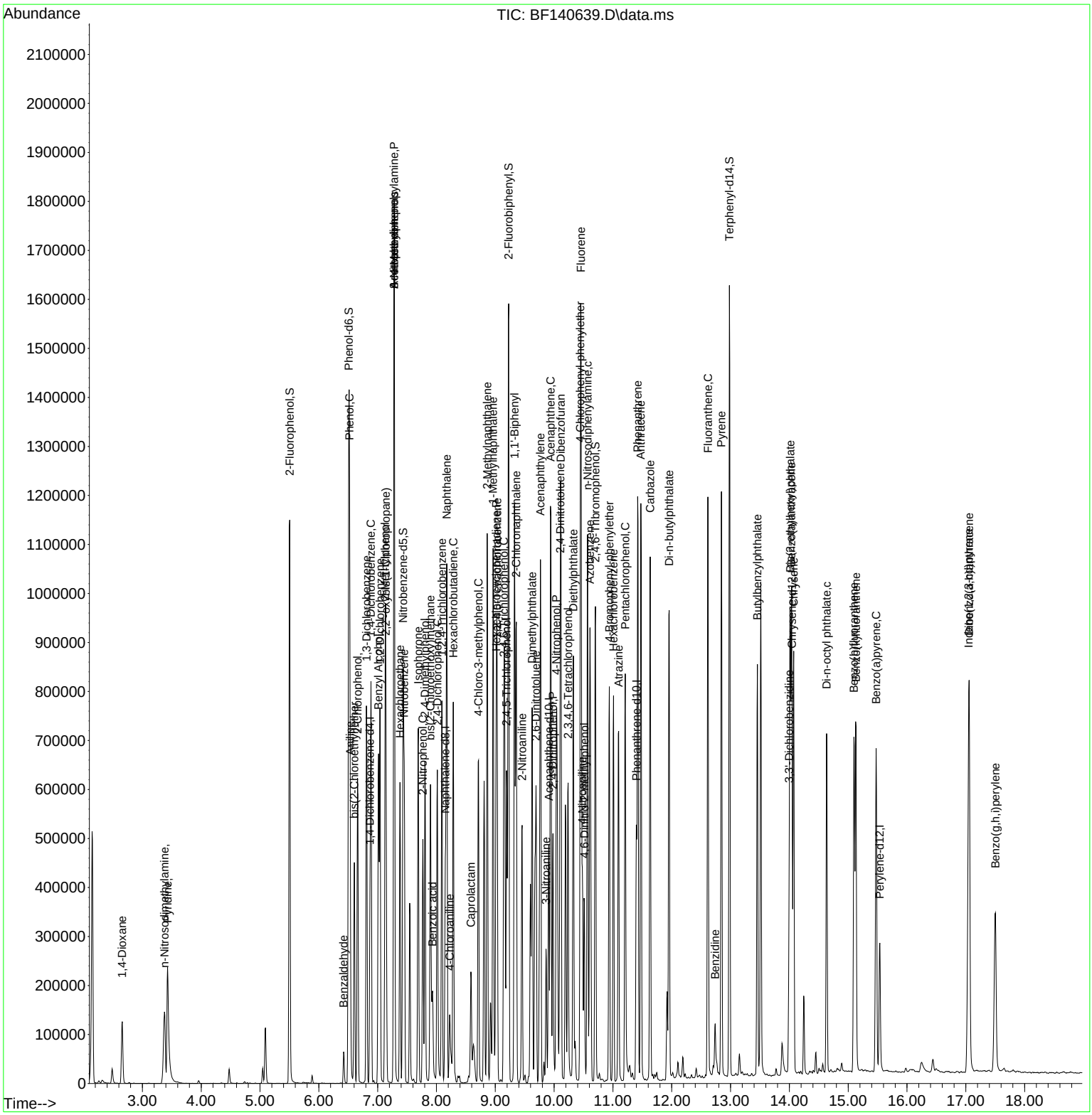
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140639.D
Acq On : 26 Nov 2024 14:03
Operator : RC/JU
Sample : P4860-09MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 26 14:26:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140640.D
Acq On : 26 Nov 2024 14:29
Operator : RC/JU
Sample : P4860-09MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 26 15:01:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	75738	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	275981	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	148258	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	278787	20.000	ng	0.00
76) Chrysene-d12	14.045	240	147921	20.000	ng	0.00
86) Perylene-d12	15.539	264	159754	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	452634	101.968	ng	0.00
7) Phenol-d6	6.510	99	602017	102.586	ng	0.00
23) Nitrobenzene-d5	7.434	82	387966	71.906	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	178860	112.801	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	731930	73.556	ng	0.00
79) Terphenyl-d14	12.980	244	806951	84.946	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.669	88	83030	44.488	ng	98
3) Pyridine	3.440	79	199530	48.590	ng	100
4) n-Nitrosodimethylamine	3.393	42	110007	45.581	ng	94
6) Aniline	6.534	93	152440	36.906	ng	89
8) 2-Chlorophenol	6.657	128	228770	47.903	ng	97
9) Benzaldehyde	6.422	77	19221	6.187	ng	97
10) Phenol	6.522	94	288564	48.149	ng	93
11) bis(2-Chloroethyl)ether	6.604	93	212654	46.369	ng	100
12) 1,3-Dichlorobenzene	6.810	146	241782	45.057	ng	99
13) 1,4-Dichlorobenzene	6.887	146	246206	45.313	ng	100
14) 1,2-Dichlorobenzene	7.040	146	234514	46.062	ng	99
15) Benzyl Alcohol	7.016	79	208144	47.827	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.140	45	262237	48.401	ng	95
17) 2-Methylphenol	7.128	107	174379	45.615	ng	98
18) Hexachloroethane	7.381	117	90682	44.686	ng	99
19) n-Nitroso-di-n-propyla...	7.281	70	159400	45.960	ng	97
20) 3+4-Methylphenols	7.281	107	228040	46.409	ng	93
22) Acetophenone	7.281	105	313349	46.572	ng	98
24) Nitrobenzene	7.451	77	245197	43.970	ng	98
25) Isophorone	7.692	82	424726	47.196	ng	100
26) 2-Nitrophenol	7.769	139	121050	48.984	ng	98
27) 2,4-Dimethylphenol	7.804	122	165488m	55.969	ng	
28) bis(2-Chloroethoxy)met...	7.898	93	257546	46.977	ng	99
29) 2,4-Dichlorophenol	8.016	162	187124	47.761	ng	97
30) 1,2,4-Trichlorobenzene	8.092	180	199338	44.561	ng	100
31) Naphthalene	8.175	128	660640	46.473	ng	99
32) Benzoic acid	7.934	122	108817	43.147	ng	97
33) 4-Chloroaniline	8.228	127	85105	19.996	ng	99
34) Hexachlorobutadiene	8.287	225	133144	44.936	ng	99
35) Caprolactam	8.592	113	58695m	48.409	ng	
36) 4-Chloro-3-methylphenol	8.716	107	203995	46.504	ng	97
37) 2-Methylnaphthalene	8.863	142	431078	47.743	ng	100
38) 1-Methylnaphthalene	8.963	142	399182	45.104	ng	100
40) 1,2,4,5-Tetrachloroben...	9.034	216	207346	47.773	ng	99
41) Hexachlorocyclopentadiene	9.016	237	139115	136.890	ng	98
43) 2,4,6-Trichlorophenol	9.145	196	132214	48.546	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140640.D
Acq On : 26 Nov 2024 14:29
Operator : RC/JU
Sample : P4860-09MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 26 15:01:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	139339	47.142	ng	97
46) 1,1'-Biphenyl	9.328	154	533355	48.184	ng	99
47) 2-Chloronaphthalene	9.357	162	394050	46.982	ng	98
48) 2-Nitroaniline	9.457	65	129772	48.204	ng	95
49) Acenaphthylene	9.769	152	644809	50.882	ng	100
50) Dimethylphthalate	9.628	163	472955	48.438	ng	100
51) 2,6-Dinitrotoluene	9.698	165	103339	46.665	ng	91
52) Acenaphthene	9.945	154	387584	48.135	ng	99
53) 3-Nitroaniline	9.869	138	61326	28.315	ng	95
54) 2,4-Dinitrophenol	9.981	184	107464	92.361	ng	97
55) Dibenzofuran	10.116	168	596542	48.570	ng	100
56) 4-Nitrophenol	10.039	139	158749	107.473	ng	97
57) 2,4-Dinitrotoluene	10.104	165	141491	48.076	ng	97
58) Fluorene	10.457	166	470424	47.718	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	119700	52.694	ng	93
60) Diethylphthalate	10.328	149	468228	47.198	ng	100
61) 4-Chlorophenyl-phenyle...	10.445	204	230121	47.565	ng	100
62) 4-Nitroaniline	10.486	138	105079	46.258	ng	94
63) Azobenzene	10.610	77	540322	57.513	ng	95
65) 4,6-Dinitro-2-methylph...	10.516	198	77032	54.072	ng	95
66) n-Nitrosodiphenylamine	10.569	169	406074	49.254	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	137508	47.894	ng	96
68) Hexachlorobenzene	11.010	284	154467	46.464	ng	99
69) Atrazine	11.098	200	133071	57.375	ng	99
70) Pentachlorophenol	11.210	266	152609	104.301	ng	100
71) Phenanthrene	11.422	178	658804	49.161	ng	100
72) Anthracene	11.475	178	676581	51.613	ng	100
73) Carbazole	11.633	167	628221	49.817	ng	100
74) Di-n-butylphthalate	11.951	149	727758	49.987	ng	100
75) Fluoranthene	12.616	202	702180	48.260	ng	100
77) Benzidine	12.739	184	75710	17.604	ng	99
78) Pyrene	12.845	202	702243	51.344	ng	99
80) Butylbenzylphthalate	13.457	149	280392	56.909	ng	99
81) Benzo(a)anthracene	14.033	228	488588	49.898	ng	99
82) 3,3'-Dichlorobenzidine	13.998	252	99630	33.889	ng	99
83) Chrysene	14.074	228	422655	47.206	ng	100
84) Bis(2-ethylhexyl)phtha...	14.010	149	361779	58.150	ng	99
85) Di-n-octyl phthalate	14.633	149	477197	56.125	ng	98
87) Indeno(1,2,3-cd)pyrene	17.051	276	472802	45.414	ng	98
88) Benzo(b)fluoranthene	15.104	252	452991	45.144	ng	100
89) Benzo(k)fluoranthene	15.133	252	424543	48.348	ng	99
90) Benzo(a)pyrene	15.474	252	423518	51.910	ng	99
91) Dibenzo(a,h)anthracene	17.062	278	393201	46.117	ng	100
92) Benzo(g,h,i)perylene	17.504	276	330770	38.017	ng	98

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

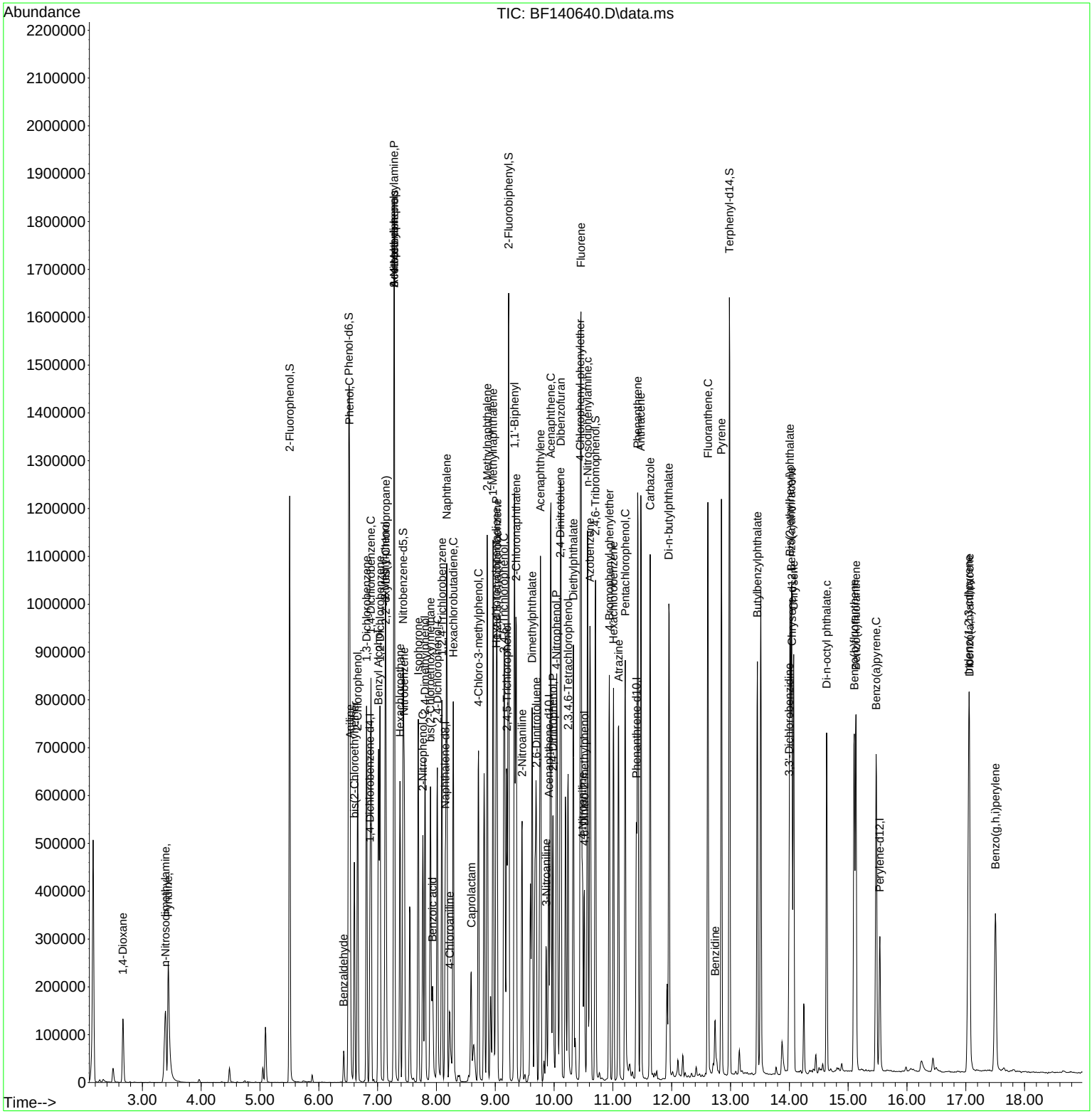
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
Data File : BF140640.D
Acq On : 26 Nov 2024 14:29
Operator : RC/JU
Sample : P4860-09MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 26 15:01:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PH2-BOT-006MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/27/2024
Supervised By :mohammad ahmed 11/27/2024



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

Manual Integration Report

Sequence:	BF111324	Instrument	BNA_f

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

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

Manual Integration Report

Sequence:	bf111824	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140443.D	2,4-Dimethylphenol	yogesh	11/19/2024 3:20:35 AM	mohammad	11/19/2024 3:30:54 AM	Peak Integrated by Software
PB165029BS	BF140445.D	Acenaphthene	yogesh	11/19/2024 3:20:37 AM	mohammad	11/19/2024 3:30:54 AM	Peak Integrated by Software
PB165029BS	BF140445.D	Caprolactam	yogesh	11/19/2024 3:20:37 AM	mohammad	11/19/2024 3:30:54 AM	Peak Integrated by Software
SSTDCCC040	BF140456.D	2,4-Dimethylphenol	yogesh	11/19/2024 3:20:45 AM	mohammad	11/19/2024 3:30:54 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF112124	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF140530.D	Benzoic acid	yogesh	11/22/2024 3:53:18 AM	mohammad	11/27/2024 6:03:59 AM	Peak Integrated by Software
SSTDICC020	BF140531.D	Acenaphthene	yogesh	11/22/2024 3:53:19 AM	mohammad	11/27/2024 6:03:59 AM	Peak Integrated by Software
SSTDICCC040	BF140532.D	Acenaphthene	yogesh	11/22/2024 3:53:21 AM	mohammad	11/27/2024 6:03:59 AM	Peak Integrated by Software
SSTDICV040	BF140536.D	Acenaphthene	yogesh	11/22/2024 3:53:22 AM	mohammad	11/27/2024 6:03:59 AM	Peak Integrated by Software
SSTDCCC040	BF140539.D	2,4-Dimethylphenol	yogesh	11/22/2024 3:53:24 AM	mohammad	11/27/2024 6:03:59 AM	Peak Integrated by Software
SSTDCCC040	BF140539.D	Acenaphthene	yogesh	11/22/2024 3:53:24 AM	mohammad	11/27/2024 6:03:59 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF112224	Instrument	BNA_f

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

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

Manual Integration Report

Sequence:	bf112524	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140590.D	2,4-Dimethylphenol	yogesh	11/27/2024 5:26:43 AM	mohammad	11/27/2024 6:04:35 AM	Peak Integrated by Software
SSTDCCC040	BF140604.D	2,4-Dimethylphenol	yogesh	11/27/2024 5:27:03 AM	mohammad	11/27/2024 6:04:35 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF112624	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140629.D	2,4-Dimethylphenol	yogesh	11/27/2024 5:32:34 AM	mohammad	11/27/2024 6:05:09 AM	Peak Integrated by Software
P4860-09MS	BF140639.D	2,4-Dimethylphenol	yogesh	11/27/2024 5:32:45 AM	mohammad	11/27/2024 6:05:09 AM	Peak Integrated by Software
P4860-09MS	BF140639.D	Caprolactam	yogesh	11/27/2024 5:32:45 AM	mohammad	11/27/2024 6:05:09 AM	Peak Integrated by Software
P4860-09MSD	BF140640.D	2,4-Dimethylphenol	yogesh	11/27/2024 5:32:47 AM	mohammad	11/27/2024 6:05:09 AM	Peak Integrated by Software
P4860-09MSD	BF140640.D	Caprolactam	yogesh	11/27/2024 5:32:47 AM	mohammad	11/27/2024 6:05:09 AM	Peak Integrated by Software

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111324

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

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

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

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111824

Review By	yogesh	Review On	11/19/2024 3:20:55 AM		
Supervise By	mohammad	Supervise On	11/19/2024 3:30:54 AM		
SubDirectory	BF111824	HP Acquire Method	BNA_F	HP Processing Method	Bf111324

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140442.D	18 Nov 2024 09:18	RC/JU	Ok
2	SSTDCCC040	BF140443.D	18 Nov 2024 10:13	RC/JU	Ok,M
3	PB165029BL	BF140444.D	18 Nov 2024 10:39	RC/JU	Ok
4	PB165029BS	BF140445.D	18 Nov 2024 11:05	RC/JU	Ok,M
5	PB164846BS	BF140446.D	18 Nov 2024 11:32	RC/JU	Ok,M
6	PB164846BSD	BF140447.D	18 Nov 2024 11:58	RC/JU	Ok,M
7	PB164940BL	BF140448.D	18 Nov 2024 12:24	RC/JU	Ok
8	PB164940BS	BF140449.D	18 Nov 2024 12:50	RC/JU	Ok,M
9	PB164965BL	BF140450.D	18 Nov 2024 13:16	RC/JU	Ok
10	PB164965BS	BF140451.D	18 Nov 2024 13:43	RC/JU	Ok,M
11	PB164969BS	BF140452.D	18 Nov 2024 14:19	RC/JU	Ok,M
12	PB164969BL	BF140453.D	18 Nov 2024 14:45	RC/JU	Ok
13	PB164880TB	BF140454.D	18 Nov 2024 15:11	RC/JU	Ok
14	DFTPP	BF140455.D	18 Nov 2024 15:48	RC/JU	Ok
15	SSTDCCC040	BF140456.D	18 Nov 2024 16:14	RC/JU	Ok,M
16	PB164944TB	BF140457.D	18 Nov 2024 16:40	RC/JU	Ok
17	P4821-04RE	BF140458.D	18 Nov 2024 17:13	RC/JU	Confirms
18	P4861-01	BF140459.D	18 Nov 2024 17:40	RC/JU	Ok
19	P4871-01	BF140460.D	18 Nov 2024 18:06	RC/JU	Ok
20	P4848-02	BF140461.D	18 Nov 2024 18:32	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112124

Review By	yogesh	Review On	11/22/2024 3:53:36 AM				
Supervise By	mohammad	Supervise On	11/27/2024 6:04:00 AM				
SubDirectory	BF112124	HP Acquire Method	BNA_F		HP Processing Method	bf112124	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140526.D	21 Nov 2024 10:17	RC/JU	Ok
2	SSTDCCC040	BF140527.D	21 Nov 2024 10:44	RC/JU	Not Ok
3	SSTDICC2.5	BF140528.D	21 Nov 2024 11:13	RC/JU	Ok
4	SSTDICC005	BF140529.D	21 Nov 2024 11:39	RC/JU	Ok
5	SSTDICC010	BF140530.D	21 Nov 2024 12:05	RC/JU	Ok,M
6	SSTDICC020	BF140531.D	21 Nov 2024 12:32	RC/JU	Ok,M
7	SSTDICCC040	BF140532.D	21 Nov 2024 12:58	RC/JU	Ok,M
8	SSTDICC050	BF140533.D	21 Nov 2024 13:25	RC/JU	Ok
9	SSTDICC060	BF140534.D	21 Nov 2024 13:51	RC/JU	Ok
10	SSTDICC080	BF140535.D	21 Nov 2024 14:18	RC/JU	Ok
11	SSTDICV040	BF140536.D	21 Nov 2024 15:07	RC/JU	Ok,M
12	PB165144BL	BF140537.D	21 Nov 2024 15:34	RC/JU	Ok
13	DFTPP	BF140538.D	21 Nov 2024 16:27	RC/JU	Ok
14	SSTDCCC040	BF140539.D	21 Nov 2024 16:54	RC/JU	Ok,M
15	PB165060TB	BF140540.D	21 Nov 2024 17:20	RC/JU	Ok
16	P4887-06	BF140541.D	21 Nov 2024 17:55	RC/JU	Ok
17	P4887-02	BF140542.D	21 Nov 2024 18:21	RC/JU	Ok
18	P4870-16	BF140543.D	21 Nov 2024 18:48	RC/JU	Ok
19	P4870-15	BF140544.D	21 Nov 2024 19:14	RC/JU	Ok
20	P4870-14	BF140545.D	21 Nov 2024 19:40	RC/JU	Ok
21	P4870-13	BF140546.D	21 Nov 2024 20:07	RC/JU	Ok

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112124

Review By	yogesh	Review On	11/22/2024 3:53:36 AM				
Supervise By	mohammad	Supervise On	11/27/2024 6:04:00 AM				
SubDirectory	BF112124	HP Acquire Method	BNA_F		HP Processing Method	bf112124	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4929-02	BF140547.D	21 Nov 2024 20:33	RC/JU	Ok
23	P4924-04	BF140548.D	21 Nov 2024 20:59	RC/JU	Ok
24	P4921-01	BF140549.D	21 Nov 2024 21:25	RC/JU	Ok
25	P4916-12	BF140550.D	21 Nov 2024 21:51	RC/JU	Ok
26	P4916-08	BF140551.D	21 Nov 2024 22:18	RC/JU	Ok
27	P4916-04	BF140552.D	21 Nov 2024 22:44	RC/JU	Ok
28	P4887-01	BF140553.D	21 Nov 2024 23:10	RC/JU	Ok
29	P4916-09	BF140554.D	21 Nov 2024 23:36	RC/JU	Ok
30	P4916-09MS	BF140555.D	22 Nov 2024 00:02	RC/JU	Ok,M
31	P4916-09MSD	BF140556.D	22 Nov 2024 00:28	RC/JU	Ok,M
32	P4916-01	BF140557.D	22 Nov 2024 00:54	RC/JU	Ok
33	P4916-05RE	BF140558.D	22 Nov 2024 01:21	RC/JU	Confirms
34	P4887-05RE	BF140559.D	22 Nov 2024 01:47	RC/JU	Confirms
35	P4924-01	BF140560.D	22 Nov 2024 02:13	RC/JU	ReRun
36	P4936-01	BF140561.D	22 Nov 2024 02:39	RC/JU	Ok,M
37	P4929-01	BF140562.D	22 Nov 2024 03:06	RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112224

Review By	Jagrut	Review On	11/25/2024 11:47:00 AM				
Supervise By	mohammad	Supervise On	11/27/2024 6:04:05 AM				
SubDirectory	BF112224	HP Acquire Method	BNA_F		HP Processing Method	bf112124	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140563.D	22 Nov 2024 08:54	RC/JU	Ok
2	SSTDCCC040	BF140564.D	22 Nov 2024 09:20	RC/JU	Ok
3	PB165129BL	BF140565.D	22 Nov 2024 09:46	RC/JU	Ok
4	PB165129BS	BF140566.D	22 Nov 2024 10:12	RC/JU	Ok,M
5	P4910-08	BF140567.D	22 Nov 2024 10:44	RC/JU	Ok
6	P4910-04	BF140568.D	22 Nov 2024 11:10	RC/JU	Ok
7	P4893-08	BF140569.D	22 Nov 2024 11:36	RC/JU	Ok
8	P4893-04	BF140570.D	22 Nov 2024 12:02	RC/JU	Ok
9	P4925-08	BF140571.D	22 Nov 2024 12:28	RC/JU	Ok
10	P4925-04	BF140572.D	22 Nov 2024 12:55	RC/JU	Ok
11	P4923-06	BF140573.D	22 Nov 2024 13:21	RC/JU	Ok
12	P4925-01	BF140574.D	22 Nov 2024 13:47	RC/JU	Ok
13	P4938-01	BF140575.D	22 Nov 2024 14:13	RC/JU	Ok
14	P4938-01MS	BF140576.D	22 Nov 2024 14:40	RC/JU	Ok,M
15	P4938-01MSD	BF140577.D	22 Nov 2024 15:06	RC/JU	Ok,M
16	P4860-08	BF140578.D	22 Nov 2024 15:32	RC/JU	Ok
17	P4860-05	BF140579.D	22 Nov 2024 15:58	RC/JU	Ok
18	P4924-01	BF140580.D	22 Nov 2024 16:24	RC/JU	Ok
19	P4948-01	BF140581.D	22 Nov 2024 16:50	RC/JU	Ok,M
20	P4949-03	BF140582.D	22 Nov 2024 17:16	RC/JU	Ok
21	P4948-03	BF140583.D	22 Nov 2024 17:43	RC/JU	Ok,M

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112224

Review By	Jagrut	Review On	11/25/2024 11:47:00 AM				
Supervise By	mohammad	Supervise On	11/27/2024 6:04:05 AM				
SubDirectory	BF112224	HP Acquire Method	BNA_F		HP Processing Method	bf112124	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4822-04	BF140584.D	22 Nov 2024 18:09	RC/JU	Ok
23	P4822-02	BF140585.D	22 Nov 2024 18:35	RC/JU	Ok,M
24	P4925-05	BF140586.D	22 Nov 2024 19:01	RC/JU	Ok
25	P4938-05	BF140587.D	22 Nov 2024 19:27	RC/JU	Ok
26	P4860-02	BF140588.D	22 Nov 2024 19:53	RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP
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 # BF112524

Review By	yogesh	Review On	11/27/2024 5:27:46 AM				
Supervise By	mohammad	Supervise On	11/27/2024 6:04:35 AM				
SubDirectory	BF112524	HP Acquire Method	BNA_F		HP Processing Method	bf112124	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12330,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140589.D	25 Nov 2024 09:07	RC/JU	Ok
2	SSTDCCC040	BF140590.D	25 Nov 2024 09:33	RC/JU	Ok,M
3	PB165123TB	BF140591.D	25 Nov 2024 09:59	RC/JU	Ok
4	PB165155BS	BF140592.D	25 Nov 2024 10:25	RC/JU	Ok,M
5	PB165155BL	BF140593.D	25 Nov 2024 10:51	RC/JU	Ok
6	PB165086BS	BF140594.D	25 Nov 2024 11:17	RC/JU	Ok,M
7	PB165111TB	BF140595.D	25 Nov 2024 11:43	RC/JU	Ok
8	PB165052BS	BF140596.D	25 Nov 2024 12:09	RC/JU	Ok,M
9	PB164986TB	BF140597.D	25 Nov 2024 12:36	RC/JU	Ok
10	PB165152BS	BF140598.D	25 Nov 2024 13:02	RC/JU	Ok,M
11	PB164886TB	BF140599.D	25 Nov 2024 13:27	RC/JU	Ok
12	PB165152BSD	BF140600.D	25 Nov 2024 13:54	RC/JU	Ok,M
13	PB165152BL	BF140601.D	25 Nov 2024 14:28	RC/JU	Ok
14	PB165185BS	BF140602.D	25 Nov 2024 14:54	RC/JU	Ok,M
15	DFTPP	BF140603.D	25 Nov 2024 15:23	RC/JU	Ok
16	SSTDCCC040	BF140604.D	25 Nov 2024 15:49	RC/JU	Ok,M
17	PB165052BL	BF140605.D	25 Nov 2024 16:17	RC/JU	Ok
18	P4947-01	BF140606.D	25 Nov 2024 16:49	RC/JU	Ok
19	P4892-04	BF140607.D	25 Nov 2024 17:15	RC/JU	Ok
20	P4860-09	BF140608.D	25 Nov 2024 17:41	RC/JU	Ok
21	P4860-01	BF140609.D	25 Nov 2024 18:07	RC/JU	Ok

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112524

Review By	yogesh	Review On	11/27/2024 5:27:46 AM		
Supervise By	mohammad	Supervise On	11/27/2024 6:04:35 AM		
SubDirectory	BF112524	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12330,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4960-01	BF140610.D	25 Nov 2024 18:34	RC/JU	Ok
23	P4960-05	BF140611.D	25 Nov 2024 19:00	RC/JU	Ok
24	P4892-03	BF140612.D	25 Nov 2024 19:26	RC/JU	Ok
25	P4892-03MS	BF140613.D	25 Nov 2024 19:52	RC/JU	Ok,M
26	P4892-03MSD	BF140614.D	25 Nov 2024 20:18	RC/JU	Ok,M
27	P4860-06	BF140615.D	25 Nov 2024 20:45	RC/JU	Ok
28	P4860-09MS	BF140616.D	25 Nov 2024 21:11	RC/JU	Not Ok
29	P4860-09MSD	BF140617.D	25 Nov 2024 21:37	RC/JU	Not Ok
30	P4960-03	BF140618.D	25 Nov 2024 22:03	RC/JU	ReRun
31	P4860-10	BF140619.D	25 Nov 2024 22:29	RC/JU	ReRun
32	P4860-04	BF140620.D	25 Nov 2024 22:55	RC/JU	Ok
33	P4860-07	BF140621.D	25 Nov 2024 23:22	RC/JU	Ok
34	P4860-03	BF140622.D	25 Nov 2024 23:48	RC/JU	Ok
35	P4951-01	BF140623.D	26 Nov 2024 00:14	RC/JU	ReRun
36	P4954-01	BF140624.D	26 Nov 2024 00:40	RC/JU	Ok,M
37	P4954-01MS	BF140625.D	26 Nov 2024 01:06	RC/JU	Ok,M
38	P4954-01MSD	BF140626.D	26 Nov 2024 01:32	RC/JU	Ok,M
39	P4954-03	BF140627.D	26 Nov 2024 01:58	RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112624

Review By	yogesh	Review On	11/27/2024 5:33:18 AM				
Supervise By	mohammad	Supervise On	11/27/2024 6:05:09 AM				
SubDirectory	BF112624	HP Acquire Method	BNA_F		HP Processing Method	bf112124	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12330,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140628.D	26 Nov 2024 09:09	RC/JU	Ok
2	SSTDCCC040	BF140629.D	26 Nov 2024 09:35	RC/JU	Ok,M
3	PB165203BL	BF140630.D	26 Nov 2024 10:01	RC/JU	Ok
4	PB165203BS	BF140631.D	26 Nov 2024 10:27	RC/JU	Ok,M
5	PB165185BL	BF140632.D	26 Nov 2024 10:53	RC/JU	Ok
6	PB165203BSD	BF140633.D	26 Nov 2024 11:20	RC/JU	Ok,M
7	P4960-04	BF140634.D	26 Nov 2024 11:52	RC/JU	Ok
8	P4960-06	BF140635.D	26 Nov 2024 12:18	RC/JU	Ok
9	P4960-02	BF140636.D	26 Nov 2024 12:44	RC/JU	Ok
10	P5000-01	BF140637.D	26 Nov 2024 13:10	RC/JU	Ok
11	P4960-03	BF140638.D	26 Nov 2024 13:36	RC/JU	Ok
12	P4860-09MS	BF140639.D	26 Nov 2024 14:03	RC/JU	Ok,M
13	P4860-09MSD	BF140640.D	26 Nov 2024 14:29	RC/JU	Ok,M
14	P4860-10	BF140641.D	26 Nov 2024 14:55	RC/JU	Ok
15	P4951-01RE	BF140642.D	26 Nov 2024 15:22	RC/JU	Confirms
16	P4985-01	BF140643.D	26 Nov 2024 15:48	RC/JU	Ok
17	P4985-01MS	BF140644.D	26 Nov 2024 16:14	RC/JU	Ok,M
18	P4985-01MSD	BF140645.D	26 Nov 2024 16:41	RC/JU	Ok,M
19	P4938-04	BF140646.D	26 Nov 2024 17:07	RC/JU	ReRun
20	P4938-04MS	BF140647.D	26 Nov 2024 17:33	RC/JU	Not Ok
21	P4938-04MSD	BF140648.D	26 Nov 2024 18:00	RC/JU	Not Ok

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112624

Review By	yogesh	Review On	11/27/2024 5:33:18 AM				
Supervise By	mohammad	Supervise On	11/27/2024 6:05:09 AM				
SubDirectory	BF112624	HP Acquire Method	BNA_F		HP Processing Method	bf112124	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12330,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4985-04	BF140649.D	26 Nov 2024 18:26	RC/JU	ReRun
23	P4938-08	BF140650.D	26 Nov 2024 18:52	RC/JU	ReRun
24	P4985-05	BF140651.D	26 Nov 2024 19:19	RC/JU	ReRun
25	P5000-05	BF140652.D	26 Nov 2024 19:45	RC/JU	ReRun
26	P4971-01	BF140653.D	26 Nov 2024 20:11	RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111324

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

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140331.D	13 Nov 2024 08:35		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF140332.D	13 Nov 2024 09:01		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF140333.D	13 Nov 2024 09:27	Compound#41,54,77 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF140334.D	13 Nov 2024 09:53		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF140335.D	13 Nov 2024 10:29		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF140336.D	13 Nov 2024 10:55	Injection Error	RC/JU	Not Ok
7	SSTDICC050	SSTDICC050	BF140337.D	13 Nov 2024 11:21		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF140338.D	13 Nov 2024 11:47		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF140339.D	13 Nov 2024 12:13	Compound#09 removed from 80 ppm	RC/JU	Ok,M
10	SSTDICCC040	SSTDICCC040	BF140340.D	13 Nov 2024 12:48		RC/JU	Ok
11	SSTDICV040	ICVBF111324	BF140341.D	13 Nov 2024 13:19		RC/JU	Ok
12	PB164401BL	PB164401BL	BF140342.D	13 Nov 2024 13:45		RC/JU	Ok
13	P4495-11	PT-BNA-SOIL	BF140343.D	13 Nov 2024 15:25	PT Sample, Need 5X Dilution	RC/JU	Dilution
14	P4495-11DL	PT-BNA-SOILDL	BF140344.D	13 Nov 2024 16:02		RC/JU	Ok
15	P3845-03	PT-BN-WP	BF140345.D	13 Nov 2024 16:40	PT Sample Analyzed for confirmation - Need 5X Dilution.	RC/JU	Dilution
16	P3845-03DL	PT-BN-WPDL	BF140346.D	13 Nov 2024 17:06		RC/JU	Ok
17	P3845-06	PT-ACIDS-WP	BF140347.D	13 Nov 2024 17:32	PT Sample Analyzed for confirmation - Need 5X Dilution.	RC/JU	Dilution

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111324

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

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

18	P3845-06DL	PT-ACIDS-WPDL	BF140348.D	13 Nov 2024 17:58	Dilution not matching (Low results)	RC/JU	Not Ok
19	SP6681	SP6681	BF140349.D	13 Nov 2024 18:39	8270-625.1 SPIKE SOLUTION	RC/JU	Ok,NS

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111824

Review By	yogesh	Review On	11/19/2024 3:20:55 AM		
Supervise By	mohammad	Supervise On	11/19/2024 3:30:54 AM		
SubDirectory	BF111824	HP Acquire Method	BNA_F	HP Processing Method	Bf111324

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140442.D	18 Nov 2024 09:18		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140443.D	18 Nov 2024 10:13		RC/JU	Ok,M
3	PB165029BL	PB165029BL	BF140444.D	18 Nov 2024 10:39		RC/JU	Ok
4	PB165029BS	PB165029BS	BF140445.D	18 Nov 2024 11:05		RC/JU	Ok,M
5	PB164846BS	PB164846BS	BF140446.D	18 Nov 2024 11:32		RC/JU	Ok,M
6	PB164846BSD	PB164846BSD	BF140447.D	18 Nov 2024 11:58		RC/JU	Ok,M
7	PB164940BL	PB164940BL	BF140448.D	18 Nov 2024 12:24		RC/JU	Ok
8	PB164940BS	PB164940BS	BF140449.D	18 Nov 2024 12:50		RC/JU	Ok,M
9	PB164965BL	PB164965BL	BF140450.D	18 Nov 2024 13:16		RC/JU	Ok
10	PB164965BS	PB164965BS	BF140451.D	18 Nov 2024 13:43		RC/JU	Ok,M
11	PB164969BS	PB164969BS	BF140452.D	18 Nov 2024 14:19		RC/JU	Ok,M
12	PB164969BL	PB164969BL	BF140453.D	18 Nov 2024 14:45		RC/JU	Ok
13	PB164880TB	PB164880TB	BF140454.D	18 Nov 2024 15:11		RC/JU	Ok
14	DFTPP	DFTPP	BF140455.D	18 Nov 2024 15:48		RC/JU	Ok
15	SSTDCCC040	SSTDCCC040	BF140456.D	18 Nov 2024 16:14		RC/JU	Ok,M
16	PB164944TB	PB164944TB	BF140457.D	18 Nov 2024 16:40		RC/JU	Ok
17	P4821-04RE	BP-F-24RE	BF140458.D	18 Nov 2024 17:13	Surrogate Fail	RC/JU	Confirms
18	P4861-01	WC-11-A-202411	BF140459.D	18 Nov 2024 17:40		RC/JU	Ok

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111824

Review By	yogesh	Review On	11/19/2024 3:20:55 AM		
Supervise By	mohammad	Supervise On	11/19/2024 3:30:54 AM		
SubDirectory	BF111824	HP Acquire Method	BNA_F	HP Processing Method	Bf111324

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

19	P4871-01	WC-10-A-202411	BF140460.D	18 Nov 2024 18:06		RC/JU	Ok
20	P4848-02	TP-1	BF140461.D	18 Nov 2024 18:32		RC/JU	Ok

M : Manual Integration

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 # BF112124

Review By	yogesh	Review On	11/22/2024 3:53:36 AM		
Supervise By	mohammad	Supervise On	11/27/2024 6:04:00 AM		
SubDirectory	BF112124	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140526.D	21 Nov 2024 10:17		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140527.D	21 Nov 2024 10:44	A Fresh Calibration is required.	RC/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BF140528.D	21 Nov 2024 11:13		RC/JU	Ok
4	SSTDICC005	SSTDICC005	BF140529.D	21 Nov 2024 11:39	Compound#9,32,41,54,56,65,70 removed from 5 ppm	RC/JU	Ok
5	SSTDICC010	SSTDICC010	BF140530.D	21 Nov 2024 12:05		RC/JU	Ok,M
6	SSTDICC020	SSTDICC020	BF140531.D	21 Nov 2024 12:32	Compound#32,41,54 Kept on LR	RC/JU	Ok,M
7	SSTDICCC040	SSTDICCC040	BF140532.D	21 Nov 2024 12:58	Calibration failed for Benzidine	RC/JU	Ok,M
8	SSTDICC050	SSTDICC050	BF140533.D	21 Nov 2024 13:25	The Calibration is Good For 8270 DOD Except com#77 and good for 625.1 Method Except com#77	RC/JU	Ok
9	SSTDICC060	SSTDICC060	BF140534.D	21 Nov 2024 13:51		RC/JU	Ok
10	SSTDICC080	SSTDICC080	BF140535.D	21 Nov 2024 14:18	Compound#9 removed from 80 ppm	RC/JU	Ok
11	SSTDICV040	ICVBF112124	BF140536.D	21 Nov 2024 15:07		RC/JU	Ok,M
12	PB165144BL	PB165144BL	BF140537.D	21 Nov 2024 15:34		RC/JU	Ok
13	DFTPP	DFTPP	BF140538.D	21 Nov 2024 16:27		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF140539.D	21 Nov 2024 16:54		RC/JU	Ok,M
15	PB165060TB	PB165060TB	BF140540.D	21 Nov 2024 17:20		RC/JU	Ok
16	P4887-06	MH-760	BF140541.D	21 Nov 2024 17:55		RC/JU	Ok

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112124

Review By	yogesh	Review On	11/22/2024 3:53:36 AM		
Supervise By	mohammad	Supervise On	11/27/2024 6:04:00 AM		
SubDirectory	BF112124	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	P4887-02	MH-739	BF140542.D	21 Nov 2024 18:21		RC/JU	Ok
18	P4870-16	TP-15	BF140543.D	21 Nov 2024 18:48		RC/JU	Ok
19	P4870-15	MH-736	BF140544.D	21 Nov 2024 19:14		RC/JU	Ok
20	P4870-14	MH-735	BF140545.D	21 Nov 2024 19:40		RC/JU	Ok
21	P4870-13	TP-1	BF140546.D	21 Nov 2024 20:07		RC/JU	Ok
22	P4929-02	ARS520	BF140547.D	21 Nov 2024 20:33		RC/JU	Ok
23	P4924-04	MH-4	BF140548.D	21 Nov 2024 20:59		RC/JU	Ok
24	P4921-01	WC-11-A-202411	BF140549.D	21 Nov 2024 21:25		RC/JU	Ok
25	P4916-12	TP-3-WC	BF140550.D	21 Nov 2024 21:51		RC/JU	Ok
26	P4916-08	TP-2-WC	BF140551.D	21 Nov 2024 22:18		RC/JU	Ok
27	P4916-04	TP-1-WC	BF140552.D	21 Nov 2024 22:44		RC/JU	Ok
28	P4887-01	MH-739	BF140553.D	21 Nov 2024 23:10		RC/JU	Ok
29	P4916-09	TP-3-WC	BF140554.D	21 Nov 2024 23:36		RC/JU	Ok
30	P4916-09MS	TP-3-WCMS	BF140555.D	22 Nov 2024 00:02		RC/JU	Ok,M
31	P4916-09MSD	TP-3-WCMSD	BF140556.D	22 Nov 2024 00:28		RC/JU	Ok,M
32	P4916-01	TP-1-WC	BF140557.D	22 Nov 2024 00:54		RC/JU	Ok
33	P4916-05RE	TP-2-WCRE	BF140558.D	22 Nov 2024 01:21	Internal Standard Fail	RC/JU	Confirms
34	P4887-05RE	MH-760RE	BF140559.D	22 Nov 2024 01:47	Internal Standard Fail	RC/JU	Confirms
35	P4924-01	MH-4	BF140560.D	22 Nov 2024 02:13	Internal Standard Fail	RC/JU	ReRun

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 # BF112124

Review By	yogesh	Review On	11/22/2024 3:53:36 AM		
Supervise By	mohammad	Supervise On	11/27/2024 6:04:00 AM		
SubDirectory	BF112124	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

36	P4936-01	PL-01-11202024	BF140561.D	22 Nov 2024 02:39	Internal Standard Fail	RC/JU	Ok,M
37	P4929-01	ARS520	BF140562.D	22 Nov 2024 03:06	Internal Standard Fail	RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112224

Review By	Jagrut	Review On	11/25/2024 11:47:00 AM		
Supervise By	mohammad	Supervise On	11/27/2024 6:04:05 AM		
SubDirectory	BF112224	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140563.D	22 Nov 2024 08:54		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140564.D	22 Nov 2024 09:20		RC/JU	Ok
3	PB165129BL	PB165129BL	BF140565.D	22 Nov 2024 09:46		RC/JU	Ok
4	PB165129BS	PB165129BS	BF140566.D	22 Nov 2024 10:12		RC/JU	Ok,M
5	P4910-08	MH-759	BF140567.D	22 Nov 2024 10:44		RC/JU	Ok
6	P4910-04	MH-COTTAGE	BF140568.D	22 Nov 2024 11:10		RC/JU	Ok
7	P4893-08	MH-762	BF140569.D	22 Nov 2024 11:36		RC/JU	Ok
8	P4893-04	MH-763	BF140570.D	22 Nov 2024 12:02		RC/JU	Ok
9	P4925-08	MH-741	BF140571.D	22 Nov 2024 12:28		RC/JU	Ok
10	P4925-04	MH-741	BF140572.D	22 Nov 2024 12:55		RC/JU	Ok
11	P4923-06	72-11991	BF140573.D	22 Nov 2024 13:21		RC/JU	Ok
12	P4925-01	MH-741	BF140574.D	22 Nov 2024 13:47		RC/JU	Ok
13	P4938-01	MH-732	BF140575.D	22 Nov 2024 14:13		RC/JU	Ok
14	P4938-01MS	MH-732MS	BF140576.D	22 Nov 2024 14:40		RC/JU	Ok,M
15	P4938-01MSD	MH-732MSD	BF140577.D	22 Nov 2024 15:06		RC/JU	Ok,M
16	P4860-08	PH2-BOT-007	BF140578.D	22 Nov 2024 15:32		RC/JU	Ok
17	P4860-05	PH2-BOT-004	BF140579.D	22 Nov 2024 15:58		RC/JU	Ok
18	P4924-01	MH-4	BF140580.D	22 Nov 2024 16:24		RC/JU	Ok

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112224

Review By	Jagrut	Review On	11/25/2024 11:47:00 AM		
Supervise By	mohammad	Supervise On	11/27/2024 6:04:05 AM		
SubDirectory	BF112224	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4948-01	337	BF140581.D	22 Nov 2024 16:50		RC/JU	Ok,M
20	P4949-03	CONTAINMENT-STON	BF140582.D	22 Nov 2024 17:16	Internal Standard Fail	RC/JU	Ok
21	P4948-03	72-11944	BF140583.D	22 Nov 2024 17:43	Internal Standard Fail	RC/JU	Ok,M
22	P4822-04	SOIL-2	BF140584.D	22 Nov 2024 18:09		RC/JU	Ok
23	P4822-02	SOIL-1	BF140585.D	22 Nov 2024 18:35		RC/JU	Ok,M
24	P4925-05	MH-758	BF140586.D	22 Nov 2024 19:01		RC/JU	Ok
25	P4938-05	MH-734	BF140587.D	22 Nov 2024 19:27		RC/JU	Ok
26	P4860-02	PH2-BOT-001	BF140588.D	22 Nov 2024 19:53		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 # BF112524

Review By	yogesh	Review On	11/27/2024 5:27:46 AM		
Supervise By	mohammad	Supervise On	11/27/2024 6:04:35 AM		
SubDirectory	BF112524	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12330,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140589.D	25 Nov 2024 09:07		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140590.D	25 Nov 2024 09:33		RC/JU	Ok,M
3	PB165123TB	PB165123TB	BF140591.D	25 Nov 2024 09:59		RC/JU	Ok
4	PB165155BS	PB165155BS	BF140592.D	25 Nov 2024 10:25		RC/JU	Ok,M
5	PB165155BL	PB165155BL	BF140593.D	25 Nov 2024 10:51		RC/JU	Ok
6	PB165086BS	PB165086BS	BF140594.D	25 Nov 2024 11:17		RC/JU	Ok,M
7	PB165111TB	PB165111TB	BF140595.D	25 Nov 2024 11:43		RC/JU	Ok
8	PB165052BS	PB165052BS	BF140596.D	25 Nov 2024 12:09		RC/JU	Ok,M
9	PB164986TB	PB164986TB	BF140597.D	25 Nov 2024 12:36		RC/JU	Ok
10	PB165152BS	PB165152BS	BF140598.D	25 Nov 2024 13:02		RC/JU	Ok,M
11	PB164886TB	PB164886TB	BF140599.D	25 Nov 2024 13:27		RC/JU	Ok
12	PB165152BSD	PB165152BSD	BF140600.D	25 Nov 2024 13:54		RC/JU	Ok,M
13	PB165152BL	PB165152BL	BF140601.D	25 Nov 2024 14:28		RC/JU	Ok
14	PB165185BS	PB165185BS	BF140602.D	25 Nov 2024 14:54		RC/JU	Ok,M
15	DFTPP	DFTPP	BF140603.D	25 Nov 2024 15:23		RC/JU	Ok
16	SSTDCCC040	SSTDCCC040	BF140604.D	25 Nov 2024 15:49		RC/JU	Ok,M
17	PB165052BL	PB165052BL	BF140605.D	25 Nov 2024 16:17		RC/JU	Ok
18	P4947-01	A3988	BF140606.D	25 Nov 2024 16:49		RC/JU	Ok

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112524

Review By	yogesh	Review On	11/27/2024 5:27:46 AM		
Supervise By	mohammad	Supervise On	11/27/2024 6:04:35 AM		
SubDirectory	BF112524	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12330,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4892-04	WB-310-SW	BF140607.D	25 Nov 2024 17:15		RC/JU	Ok
20	P4860-09	PH2-BOT-006	BF140608.D	25 Nov 2024 17:41		RC/JU	Ok
21	P4860-01	DUP-01	BF140609.D	25 Nov 2024 18:07		RC/JU	Ok
22	P4960-01	B1	BF140610.D	25 Nov 2024 18:34		RC/JU	Ok
23	P4960-05	SW3	BF140611.D	25 Nov 2024 19:00		RC/JU	Ok
24	P4892-03	WB-310-BOT	BF140612.D	25 Nov 2024 19:26		RC/JU	Ok
25	P4892-03MS	WB-310-BOTMS	BF140613.D	25 Nov 2024 19:52		RC/JU	Ok,M
26	P4892-03MSD	WB-310-BOTMSD	BF140614.D	25 Nov 2024 20:18		RC/JU	Ok,M
27	P4860-06	PH2-BOT-009	BF140615.D	25 Nov 2024 20:45		RC/JU	Ok
28	P4860-09MS	PH2-BOT-006MS	BF140616.D	25 Nov 2024 21:11	MSD Not Ok	RC/JU	Not Ok
29	P4860-09MSD	PH2-BOT-006MSD	BF140617.D	25 Nov 2024 21:37	Internal Standard Fail	RC/JU	Not Ok
30	P4960-03	SW1	BF140618.D	25 Nov 2024 22:03	Internal Standard Fail	RC/JU	ReRun
31	P4860-10	PH2-BOT-005	BF140619.D	25 Nov 2024 22:29	Internal Standard Fail	RC/JU	ReRun
32	P4860-04	PH2-BOT-003	BF140620.D	25 Nov 2024 22:55		RC/JU	Ok
33	P4860-07	PH2-BOT-008	BF140621.D	25 Nov 2024 23:22		RC/JU	Ok
34	P4860-03	PH2-BOT-002	BF140622.D	25 Nov 2024 23:48		RC/JU	Ok
35	P4951-01	AU-05-112124	BF140623.D	26 Nov 2024 00:14	Internal Standard Fail	RC/JU	ReRun
36	P4954-01	TR-05-112124	BF140624.D	26 Nov 2024 00:40	Internal Standard Fail	RC/JU	Ok,M
37	P4954-01MS	TR-05-112124MS	BF140625.D	26 Nov 2024 01:06	Internal Standard Fail	RC/JU	Ok,M

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112524

Review By	yogesh	Review On	11/27/2024 5:27:46 AM		
Supervise By	mohammad	Supervise On	11/27/2024 6:04:35 AM		
SubDirectory	BF112524	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12330,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	P4954-01MSD	TR-05-112124MSD	BF140626.D	26 Nov 2024 01:32	Internal Standard Fail	RC/JU	Ok,M
39	P4954-03	TR-06-112124	BF140627.D	26 Nov 2024 01:58	Internal Standard Fail	RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112624

Review By	yogesh	Review On	11/27/2024 5:33:18 AM		
Supervise By	mohammad	Supervise On	11/27/2024 6:05:09 AM		
SubDirectory	BF112624	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12330,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140628.D	26 Nov 2024 09:09		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140629.D	26 Nov 2024 09:35		RC/JU	Ok,M
3	PB165203BL	PB165203BL	BF140630.D	26 Nov 2024 10:01		RC/JU	Ok
4	PB165203BS	PB165203BS	BF140631.D	26 Nov 2024 10:27		RC/JU	Ok,M
5	PB165185BL	PB165185BL	BF140632.D	26 Nov 2024 10:53		RC/JU	Ok
6	PB165203BSD	PB165203BSD	BF140633.D	26 Nov 2024 11:20		RC/JU	Ok,M
7	P4960-04	SW2	BF140634.D	26 Nov 2024 11:52		RC/JU	Ok
8	P4960-06	SW4	BF140635.D	26 Nov 2024 12:18		RC/JU	Ok
9	P4960-02	B2	BF140636.D	26 Nov 2024 12:44		RC/JU	Ok
10	P5000-01	MH-745	BF140637.D	26 Nov 2024 13:10		RC/JU	Ok
11	P4960-03	SW1	BF140638.D	26 Nov 2024 13:36		RC/JU	Ok
12	P4860-09MS	PH2-BOT-006MS	BF140639.D	26 Nov 2024 14:03		RC/JU	Ok,M
13	P4860-09MSD	PH2-BOT-006MSD	BF140640.D	26 Nov 2024 14:29		RC/JU	Ok,M
14	P4860-10	PH2-BOT-005	BF140641.D	26 Nov 2024 14:55		RC/JU	Ok
15	P4951-01RE	AU-05-112124RE	BF140642.D	26 Nov 2024 15:22	Internal Standard Fail	RC/JU	Confirms
16	P4985-01	MH-756-WC	BF140643.D	26 Nov 2024 15:48	Internal Standard Fail	RC/JU	Ok
17	P4985-01MS	MH-756-WCMS	BF140644.D	26 Nov 2024 16:14	Internal Standard Fail	RC/JU	Ok,M
18	P4985-01MSD	MH-756-WCMSD	BF140645.D	26 Nov 2024 16:41	Internal standard fail	RC/JU	Ok,M

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112624

Review By	yogesh	Review On	11/27/2024 5:33:18 AM		
Supervise By	mohammad	Supervise On	11/27/2024 6:05:09 AM		
SubDirectory	BF112624	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12330,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4938-04	MH-732	BF140646.D	26 Nov 2024 17:07	Internal Standard Fail	RC/JU	ReRun
20	P4938-04MS	MH-732MS	BF140647.D	26 Nov 2024 17:33	Internal Standard Fail	RC/JU	Not Ok
21	P4938-04MSD	MH-732MSD	BF140648.D	26 Nov 2024 18:00	MS is Not Ok	RC/JU	Not Ok
22	P4985-04	MH-756-WC	BF140649.D	26 Nov 2024 18:26	Internal Standard Fail	RC/JU	ReRun
23	P4938-08	MH-734	BF140650.D	26 Nov 2024 18:52	Internal Standard Fail	RC/JU	ReRun
24	P4985-05	MH-740-WC	BF140651.D	26 Nov 2024 19:19	Internal Standard Fail	RC/JU	ReRun
25	P5000-05	MH-733	BF140652.D	26 Nov 2024 19:45	Internal Standard Fail	RC/JU	ReRun
26	P4971-01	CL-02-112224	BF140653.D	26 Nov 2024 20:11		RC/JU	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB165029

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 11/16/2024

Extraction Start Time : 08:51

Extraction End Date : 11/16/2024

Extraction End Time : 11:50

Concentration By: EH

Supervisor By : rajesh

Extraction Method: [ ] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [√] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6630
Surrogate	1.0ML	100/150 PPM	SP6638
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2560
Baked Na2SO4	N/A	EP2562
Sand	N/A	E2865
Methylene Chloride	N/A	E3828
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/16/24	RP (Ent Lab)	JG/SVOC
11:55	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB165029

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 11/16/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB165029BL	SBLK029	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U5-1
PB165029BS	SLCS029	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
P4860-01	DUP-01	SVOC-TCL BNA -20	30.09	N/A	ritesh	Evelyn	1	E		3
P4860-02	PH2-BPT-001	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	E		4
P4860-03	PH2-BPT-002	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		5
P4860-04	PH2-BPT-003	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	E		6
P4860-05	PH2-BPT-004	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	E		U6-1
P4860-06	PH2-BPT-009	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		2
P4860-07	PH2-BPT-008	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		3
P4860-08	PH2-BPT-007	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		4
P4860-09	PH2-BPT-006	SVOC-TCL BNA -20	30.09	N/A	ritesh	Evelyn	1	E		5
P4860-09MS	PH2-BPT-006MS	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	E		6
P4860-09MSD	PH2-BPT-006MSD	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		U1-1
P4860-10	PH2-BPT-005	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	E		2
P4869-01	EO-02-11152024	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	E		3
P4887-01	MH-739	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	D		4
P4887-05	MH-760	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	D		5
P4889-01	VNJ-228	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	E		6
P4889-03	#72-11978	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		U1-1
P4889-05	#72-11930	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		2

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

11/16/24

16502a 15:20BN

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4829BN **WorkList ID :** 185494 **Department :** Extraction **Date :** 11-15-2024 14:36:10

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4829-02	E29S4	Water	SVOC-SFAM	Cool 4 deg C	USEP04	A11	11/12/2024	SFAM_SVOC
P4829-02	E29S4	Water	SVOCMS Group2	Cool 4 deg C	USEP04	A11	11/12/2024	SFAM_SVOAS
P4829-03	E29S4MS	Water	SVOC-SFAM	Cool 4 deg C	USEP04	A11	11/12/2024	SFAM_SVOC
P4829-03	E29S4MS	Water	SVOCMS Group2	Cool 4 deg C	USEP04	A11	11/12/2024	SFAM_SVOAS
P4829-04	E29S4MSD	Water	SVOC-SFAM	Cool 4 deg C	USEP04	A11	11/12/2024	SFAM_SVOC
P4829-04	E29S4MSD	Water	SVOCMS Group2	Cool 4 deg C	USEP04	A11	11/12/2024	SFAM_SVOAS
P4829-06	E29T4	Water	SVOC-SFAM	Cool 4 deg C	USEP04	A11	11/11/2024	SFAM_SVOC
P4829-06	E29T4	Water	SVOCMS Group2	Cool 4 deg C	USEP04	A11	11/11/2024	SFAM_SVOAS
P4829-08	E29W0	Water	SVOC-SFAM	Cool 4 deg C	USEP04	A11	11/11/2024	SFAM_SVOC
P4829-08	E29W0	Water	SVOCMS Group2	Cool 4 deg C	USEP04	A11	11/11/2024	SFAM_SVOAS
P4829-09	E29W1	Water	SVOC-SFAM	Cool 4 deg C	USEP04	A11	11/12/2024	SFAM_SVOC
P4829-09	E29W1	Water	SVOCMS Group2	Cool 4 deg C	USEP04	A11	11/12/2024	SFAM_SVOAS
P4829-10	E29W4	Water	SVOC-SFAM	Cool 4 deg C	USEP04	A11	11/11/2024	SFAM_SVOC
P4829-10	E29W4	Water	SVOCMS Group2	Cool 4 deg C	USEP04	A11	11/11/2024	SFAM_SVOAS
P4829-11	E29W5	Water	SVOC-SFAM	Cool 4 deg C	USEP04	A11	11/12/2024	SFAM_SVOC
P4829-11	E29W5	Water	SVOCMS Group2	Cool 4 deg C	USEP04	A11	11/12/2024	SFAM_SVOAS

Date/Time 11/15/24 15:15
Raw Sample Received by: RS (EXL-lab)
Raw Sample Relinquished by: L.C (SAM)

Date/Time 11/15/24 15:50
Raw Sample Received by: L.C (SAM)
Raw Sample Relinquished by: RS (EXL-lab)

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

LAB CHRONICLE

OrderID:	P4860	**OrderDate:**	11/14/2024 1:36:41 PM
Client:	Tetra Tech	**Project:**	Ocean County Landfill 2024
Contact:	John Giuliano	**Location:**	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4860-01	**DUP-01**	**SOIL**			**11/14/24**			**11/14/24**
			SVOC-TCL BNA -20	8270E		11/16/24	11/25/24	
P4860-02	**PH2-BOT-001**	**SOIL**			**11/14/24**			**11/14/24**
			SVOC-TCL BNA -20	8270E		11/16/24	11/22/24	
P4860-03	**PH2-BOT-002**	**SOIL**			**11/14/24**			**11/14/24**
			SVOC-TCL BNA -20	8270E		11/16/24	11/25/24	
P4860-04	**PH2-BOT-003**	**SOIL**			**11/14/24**			**11/14/24**
			SVOC-TCL BNA -20	8270E		11/16/24	11/25/24	
P4860-05	**PH2-BOT-004**	**SOIL**			**11/14/24**			**11/14/24**
			SVOC-TCL BNA -20	8270E		11/16/24	11/22/24	
P4860-06	**PH2-BOT-009**	**SOIL**			**11/14/24**			**11/14/24**
			SVOC-TCL BNA -20	8270E		11/16/24	11/25/24	
P4860-07	**PH2-BOT-008**	**SOIL**			**11/14/24**			**11/14/24**
			SVOC-TCL BNA -20	8270E		11/16/24	11/25/24	
P4860-08	**PH2-BOT-007**	**SOIL**			**11/14/24**			**11/14/24**
			SVOC-TCL BNA -20	8270E		11/16/24	11/22/24	
P4860-09	**PH2-BOT-006**	**SOIL**			**11/14/24**			**11/14/24**
			SVOC-TCL BNA -20	8270E		11/16/24	11/25/24	
P4860-10	**PH2-BOT-005**	**SOIL**			**11/14/24**			**11/14/24**
			SVOC-TCL BNA -20	8270E		11/16/24	11/26/24	