LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071618\
Data File : BF107416.D
Acq On : 16 Jul 2018 21:34
Operator : JU/SJ
Sample : J3820-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-02-071218

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-BF071618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.213	485	489	495	rVB	425653	518789	7.49%	0.734%
2	5.601	548	555	558	rBV	3977499	3970087	57.35%	5.615%
3	6.595	718	724	729	rBV	3726299	4208463	60.80%	5.952%
4	6.748	745	750	753	rBV	4291070	4179349	60.38%	5.911%
5	6.978	785	789	793	rVB	1495661	1218228	17.60%	1.723%
6	7.136	811	816	819	rBV	3678826	3243225	46.85%	4.587%
7	7.536	879	884	887	rBV	2566571	2681632	38.74%	3.793%
8	8.260	1003	1007	1010	rBV	1624524	1399193	20.21%	1.979%
9	9.336	1185	1190	1193	rBV	4854690	4431843	64.02%	6.268%
10	9.442	1204	1208	1212	rVB2	191549	190854	2.76%	0.270%
11	9.672	1242	1247	1250	rBV2	88016	103217	1.49%	0.146%
12	9.724	1253	1256	1260	rVV	815193	687893	9.94%	0.973%
13	9.789	1264	1267	1272	rBV5	66638	97204	1.40%	0.137%
14	9.877	1276	1282	1285	rBV	152282	153287	2.21%	0.217%
15	10.019	1300	1306	1310	rBV	1768770	1567370	22.64%	2.217%
16	10.219	1334	1340	1344	rVB5	70290	93227	1.35%	0.132%
17	10.254	1344	1346	1349	rBV3	79595	70724	1.02%	0.100%
18	10.330	1355	1359	1362	rBV5	78054	104045	1.50%	0.147%
19	10.436	1370	1377	1380	rVB8	73379	133825	1.93%	0.189%
20	10.566	1396	1399	1404	rVB3	87923	114457	1.65%	0.162%
21	10.807	1435	1440	1444	rBV	2635735	2612350	37.74%	3.695%
22	10.913	1454	1458	1460	rBV	296639	283435	4.09%	0.401%
23	11.019	1472	1476	1479	rBV6	75348	96714	1.40%	0.137%
24	11.107	1487	1491	1495	rBV6	70341	123350	1.78%	0.174%
25	11.142	1495	1497	1504	rVB8	63109	99630	1.44%	0.141%
26	11.313	1523	1526	1530	rBV3	70415	83496	1.21%	0.118%
27	11.513	1556	1560	1562	rBV	1635803	1499046	21.66%	2.120%
28	11.536	1562	1564	1567	rVB	709744	543887	7.86%	0.769%
29	11.583	1569	1572	1574	rBV	103579	85118	1.23%	0.120%
30	11.813	1609	1611	1614	rVB3	108492	89228	1.29%	0.126%
31	11.842	1614	1616	1621	rVB5	84971	77872	1.12%	0.110%
32	11.889	1621	1624	1627	rBV	1832992	1435662	20.74%	2.031%
33	12.030	1642	1648	1655	rBV3	1137445	1753453	25.33%	2.480%
34	12.124	1661	1664	1666	rBV2	330925	346752	5.01%	0.490%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071618\
Data File : BF107416.D
Acq On : 16 Jul 2018 21:34
Operator : JU/SJ
Sample : J3820-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-02-071218

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-BF071618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.148	1666	1668	1671	rVB	279327	236494	3.42%	0.334%
36	12.195	1671	1676	1678	rBV4	118445	136621	1.97%	0.193%
37	12.307	1689	1695	1697	rBV5	155837	170354	2.46%	0.241%
38	12.330	1697	1699	1705	rVB6	99535	162053	2.34%	0.229%
39	12.460	1718	1721	1723	rVB2	115620	100910	1.46%	0.143%
40	12.489	1723	1726	1728	rBV	243290	185064	2.67%	0.262%
41	12.513	1728	1730	1733	rVB2	129634	94927	1.37%	0.134%
42	12.583	1735	1742	1744	rBV2	4298471	5030098	72.67%	7.114%
43	12.607	1744	1746	1751	rVV	7189859	6922140	100.00%	9.790%
44	12.648	1751	1753	1756	rVV2	207270	226552	3.27%	0.320%
45	12.689	1756	1760	1763	rVV	1448660	1285333	18.57%	1.818%
46	12.730	1763	1767	1776	rVV2	1061590	2177480	31.46%	3.080%
47	12.813	1779	1781	1785	rVB4	403950	395735	5.72%	0.560%
48	12.960	1803	1806	1812	rVB	1076927	1067753	15.43%	1.510%
49	13.012	1812	1815	1818	rVB2	181891	170007	2.46%	0.240%
50	13.042	1818	1820	1822	rBV3	67052	72140	1.04%	0.102%
51	13.101	1826	1830	1833	rVV	3939448	3790435	54.76%	5.361%
52	13.171	1839	1842	1846	rBV3	177099	280081	4.05%	0.396%
53	13.265	1854	1858	1859	rBV2	147767	184397	2.66%	0.261%
54	13.283	1859	1861	1864	rVV2	221315	205704	2.97%	0.291%
55	13.336	1865	1870	1875	rVV4	205900	405643	5.86%	0.574%
56	13.389	1876	1879	1881	rVV	322210	321427	4.64%	0.455%
57	13.412	1881	1883	1887	rVB3	197903	185790	2.68%	0.263%
58	13.483	1892	1895	1898	rVV	235166	193360	2.79%	0.273%
59	13.512	1898	1900	1903	rVB	179649	164551	2.38%	0.233%
60	13.660	1923	1925	1927	rBV2	91698	82381	1.19%	0.117%
61	13.789	1945	1947	1952	rVB	180641	207118	2.99%	0.293%
62	13.854	1956	1958	1960	rVB3	105871	99622	1.44%	0.141%
63	13.895	1962	1965	1967	rVV4	130315	192599	2.78%	0.272%
64	13.930	1970	1971	1974	rBV2	90277	81974	1.18%	0.116%
65	13.983	1974	1980	1987	rBV8	335048	631779	9.13%	0.894%
66	14.083	1994	1997	2002	rBV7	137850	179010	2.59%	0.253%
67	14.159	2005	2010	2012	rVV2	1591659	1857984	26.84%	2.628%
68	14.183	2012	2014	2017	rVV	516938	449822	6.50%	0.636%
69	14.236	2021	2023	2026	rBV4	96144	111002	1.60%	0.157%
70	14.301	2031	2034	2041	rVB6	199530	308991	4.46%	0.437%
71	14.507	2067	2069	2071	rBV3	106237	75693	1.09%	0.107%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
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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
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.542	2071	2075	2079	rVB2	248864	319453	4.61%	0.452%
73	14.577	2079	2081	2084	rBV2	193197	172486	2.49%	0.244%
74	14.612	2085	2087	2090	rBV4	227704	198941	2.87%	0.281%
75	14.671	2095	2097	2099	rVB3	133012	101891	1.47%	0.144%
76	14.936	2140	2142	2146	rBV4	135372	180383	2.61%	0.255%
77	15.230	2188	2192	2195	rBV4	252000	421608	6.09%	0.596%
78	15.295	2200	2203	2205	rBV4	184961	206914	2.99%	0.293%
79	15.554	2244	2247	2252	rVB	241174	304288	4.40%	0.430%
80	15.618	2256	2258	2266	rVV	304299	390681	5.64%	0.553%
81	15.695	2266	2271	2282	rVB	1026986	1667419	24.09%	2.358%

Sum of corrected areas: 70703993

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071618\
Data File : BF107416.D
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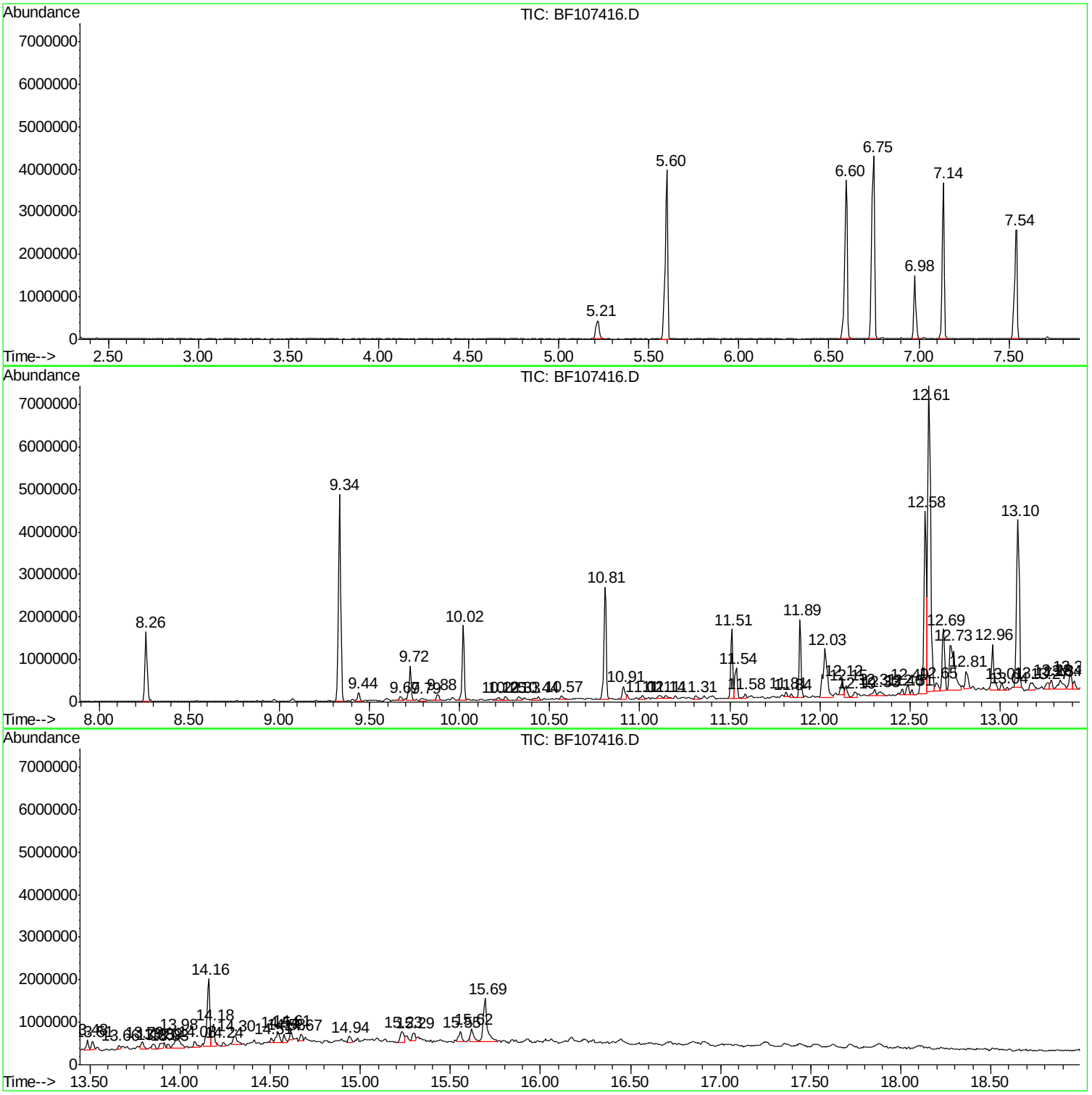
Operator : JU/SJ
Sample : J3820-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-02-071218

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071618\
Data File : BF107416.D
Acq On : 16 Jul 2018 21:34
Operator : JU/SJ
Sample : J3820-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-02-071218

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

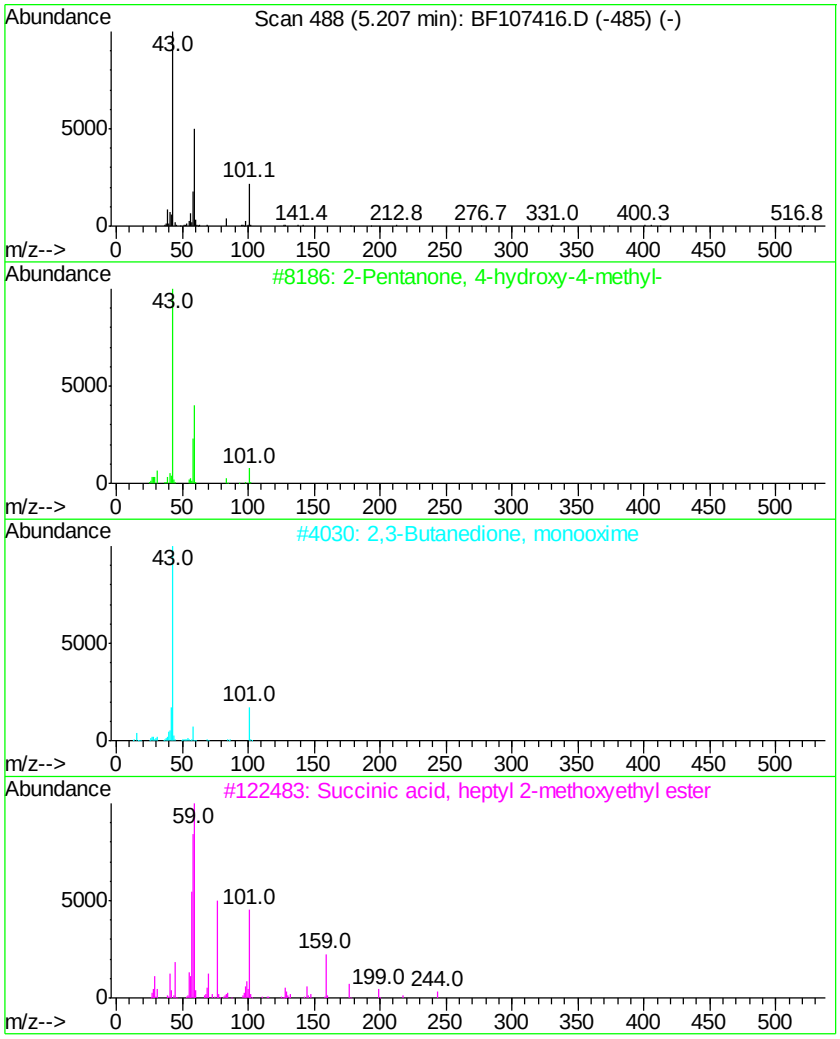
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

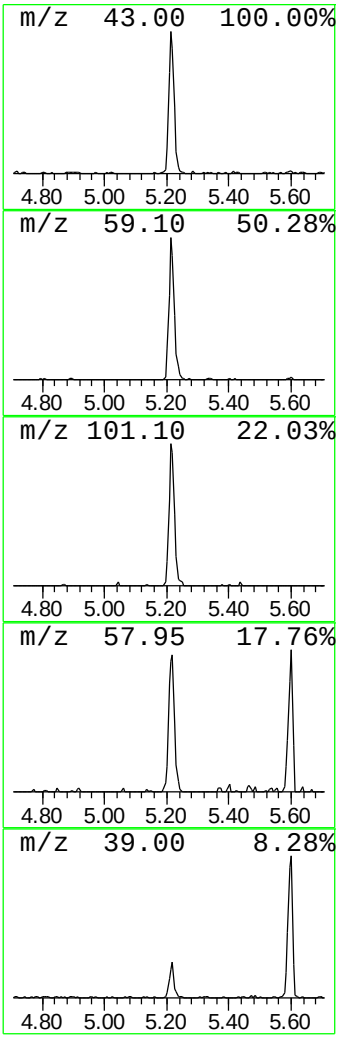
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.21	8.52 ng	518789	1,4-Dichlorobenzene-d4	6.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	Succinic acid, heptyl 2-methoxye...	274	C14H26O5	1000325-80-7	25
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	25
5	3-Heptadecanol	256	C17H36O	084534-30-5	23





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Data File : BF107416.D
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Operator : JU/SJ
Sample : J3820-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-02-071218

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

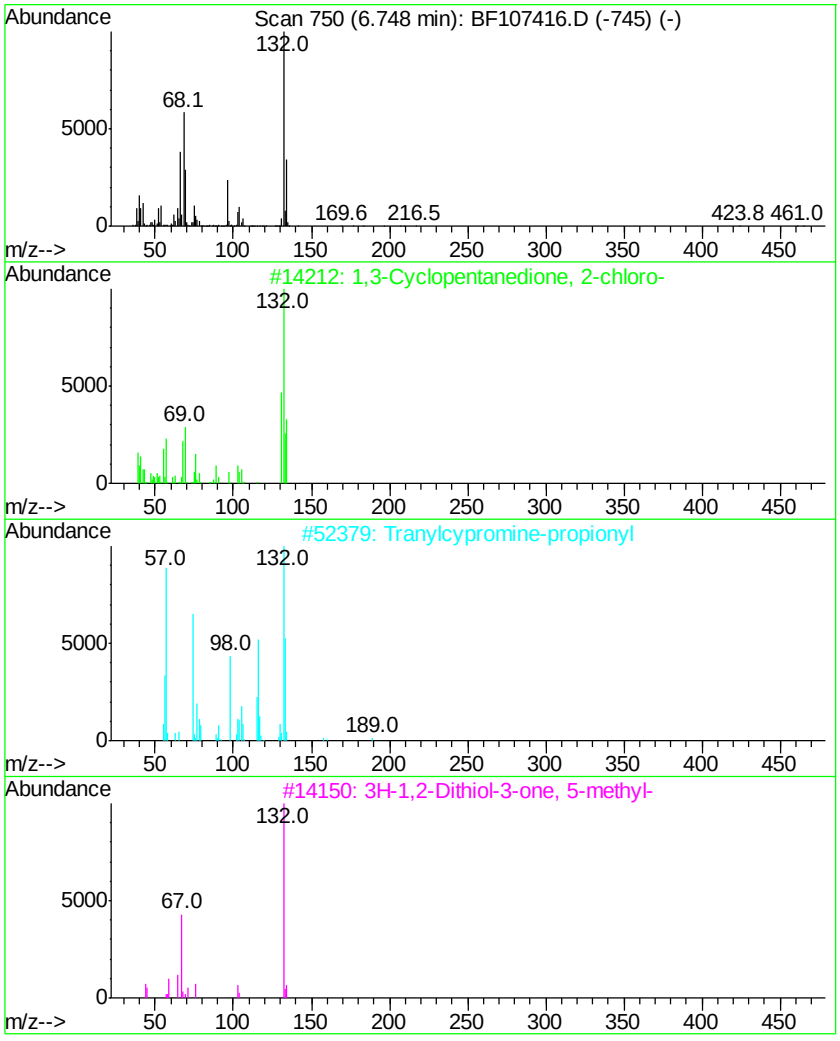
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

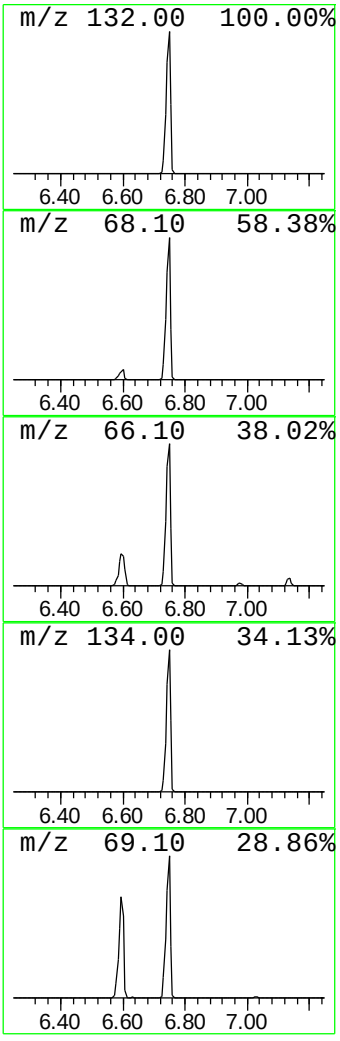
****

Peak Number 2 unknown6.75 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	68.61 ng	4179350	1,4-Dichlorobenzene-d4	6.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	23
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	22
3	3H-1,2-Dithiol-3-one, 5-methyl-	132	C4H4OS2	003620-08-4	22
4	1,2,4-Trifluorobenzene	132	C6H3F3	000367-23-7	14
5	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	14





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071618\
Data File : BF107416.D
Acq On : 16 Jul 2018 21:34
Operator : JU/SJ
Sample : J3820-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-02-071218

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

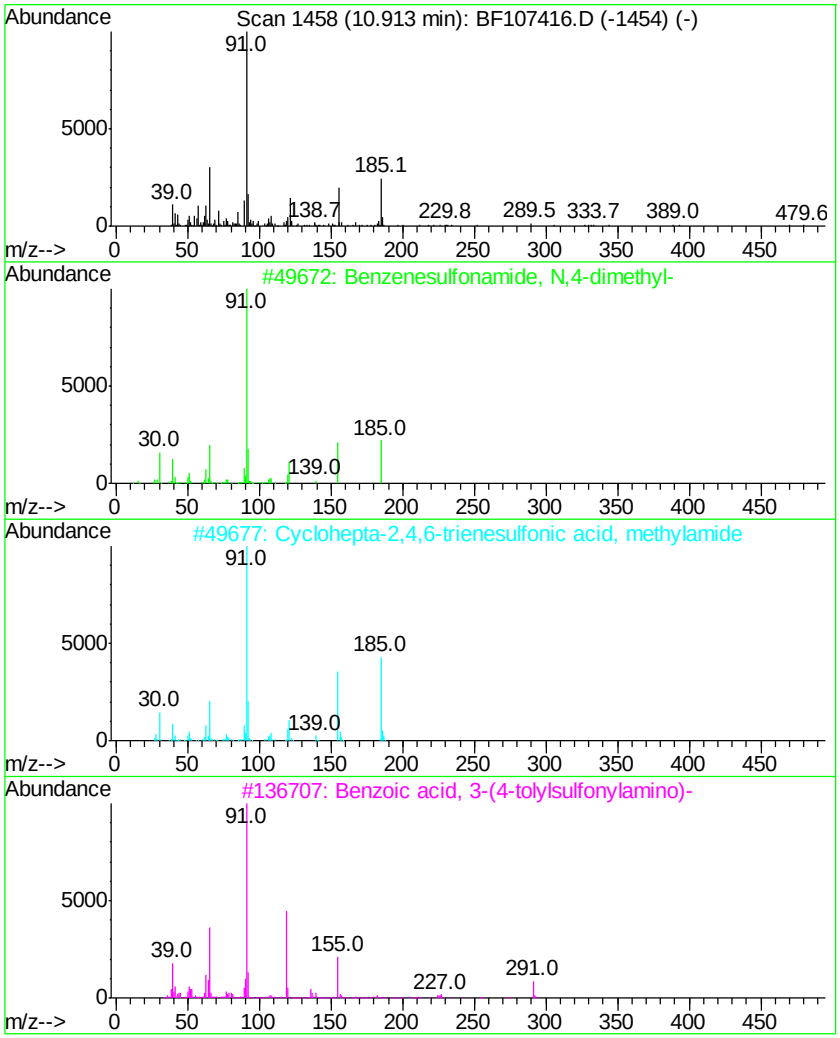
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

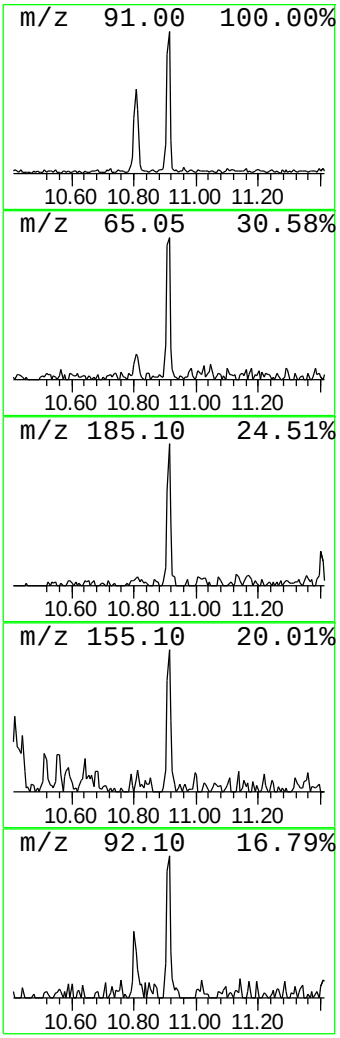
****

Peak Number 4 Benzenesulfonamide, N,4-dim... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.91	3.78 ng	283435	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenesulfonamide, N,4-dimethyl-	185	C8H11NO2S	000640-61-9	81
2	Cyclohepta-2,4,6-trienesulfonic ...	185	C8H11NO2S	1000187-28-7	58
3	Benzoic acid, 3-(4-tolylsulfonyl...	291	C14H13NO4S	1000294-09-8	47
4	Benzenesulfonyl chloride, 4-methyl-	190	C7H7ClO2S	000098-59-9	47
5	Toluene-4-sulfonic acid, 2-benzy...	366	C18H22O6S	118653-93-3	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071618\
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Sample : J3820-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-02-071218

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

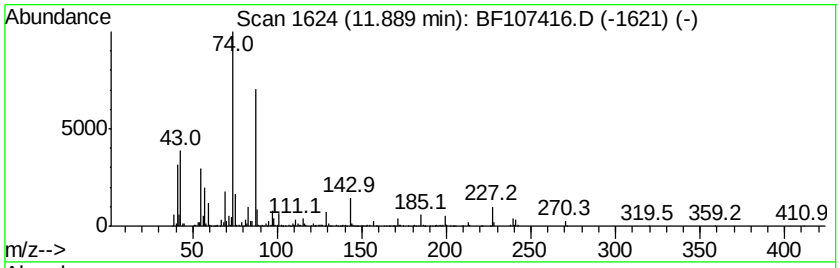
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

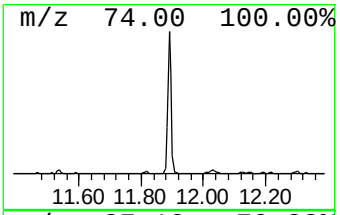
****

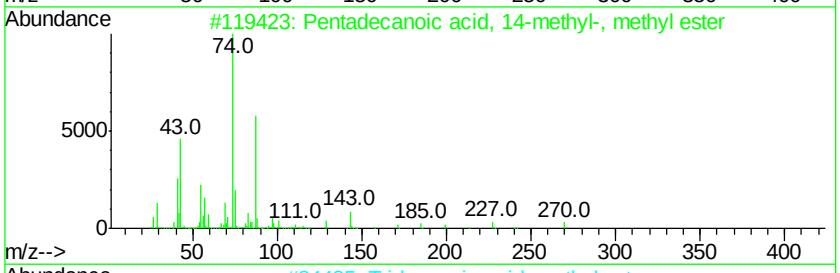
Peak Number 5 Pentadecanoic acid, 14-meth... Concentration Rank 6

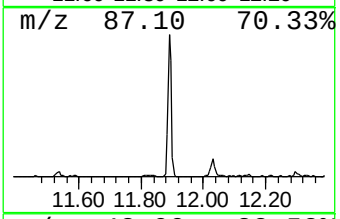
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	19.15 ng	1435660	Phenanthrene-d10	11.51

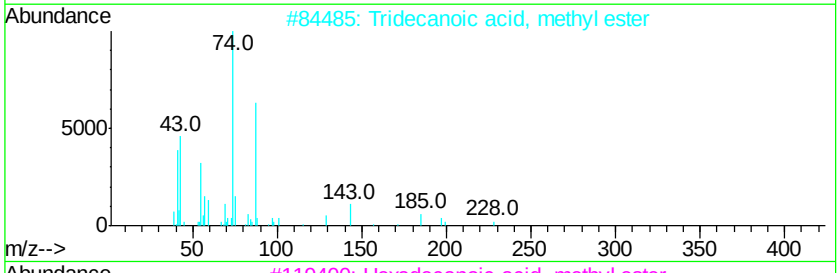
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	95
2	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	95
3	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	91
4	Tridecanoic acid, 12-methyl-, me...	242	C15H30O2	005129-58-8	87
5	Methyl tetradecanoate	242	C15H30O2	000124-10-7	87

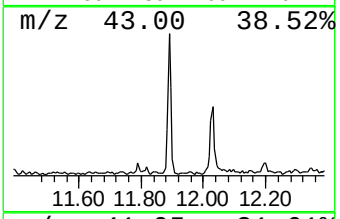


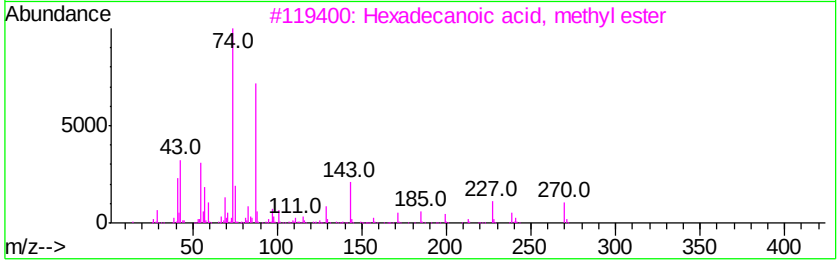


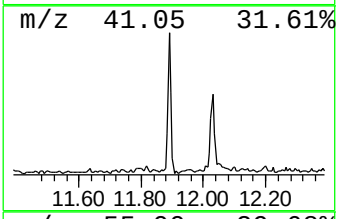


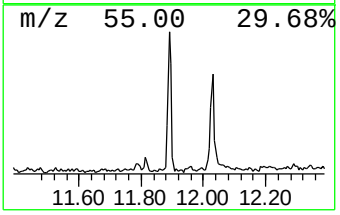












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071618\
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Acq On : 16 Jul 2018 21:34
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

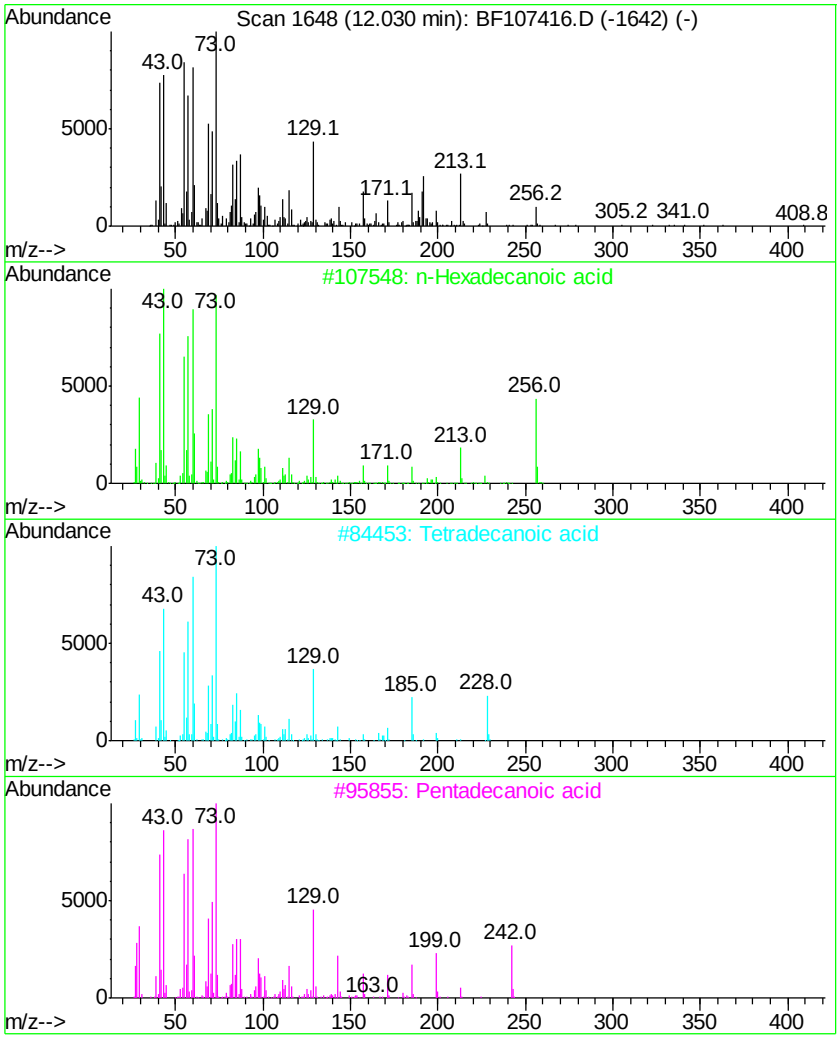
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

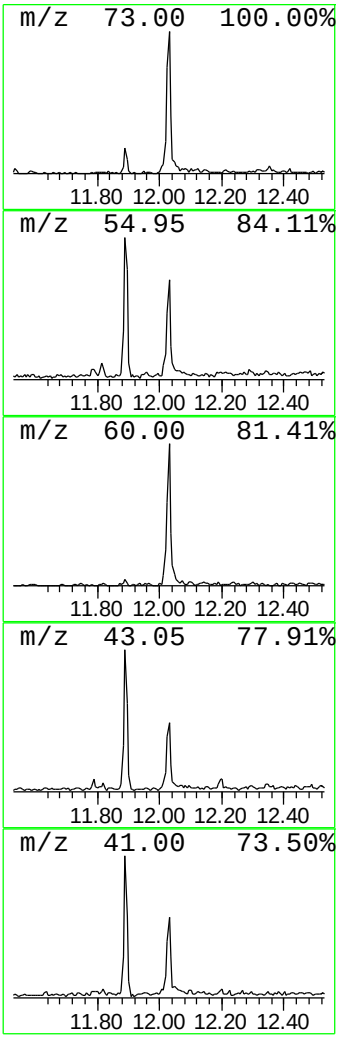
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	23.39 ng	1753450	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
4	Octadecanoic acid	284	C18H36O2	000057-11-4	68
5	Dodecanoic acid	200	C12H24O2	000143-07-7	62





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Acq On : 16 Jul 2018 21:34
Operator : JU/SJ
Sample : J3820-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-02-071218

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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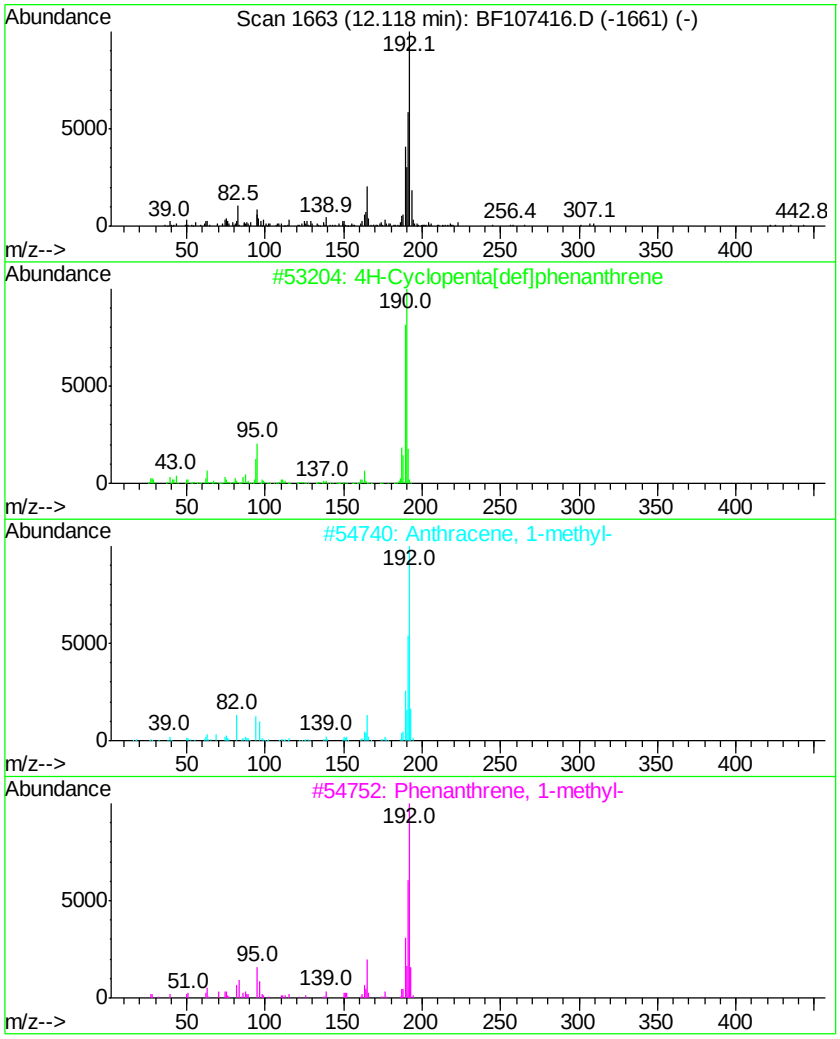
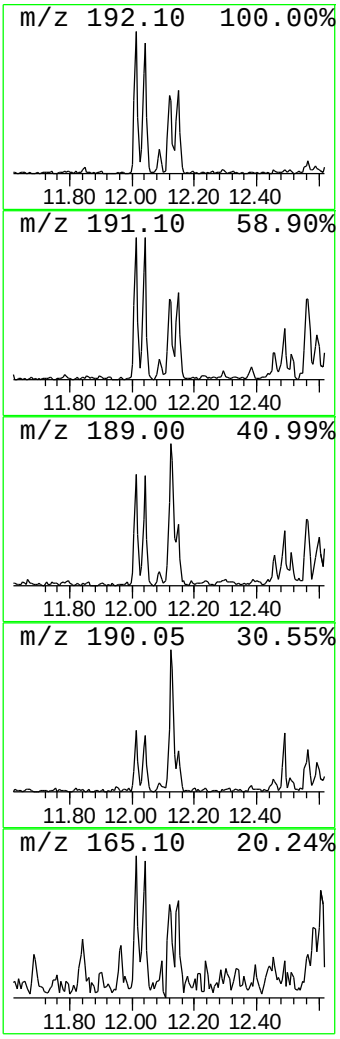
Peak Number 7 unknown12.12 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	4.63 ng	346752	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	41
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	41
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	38
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	38





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ClientSampleId : BU-02-071218

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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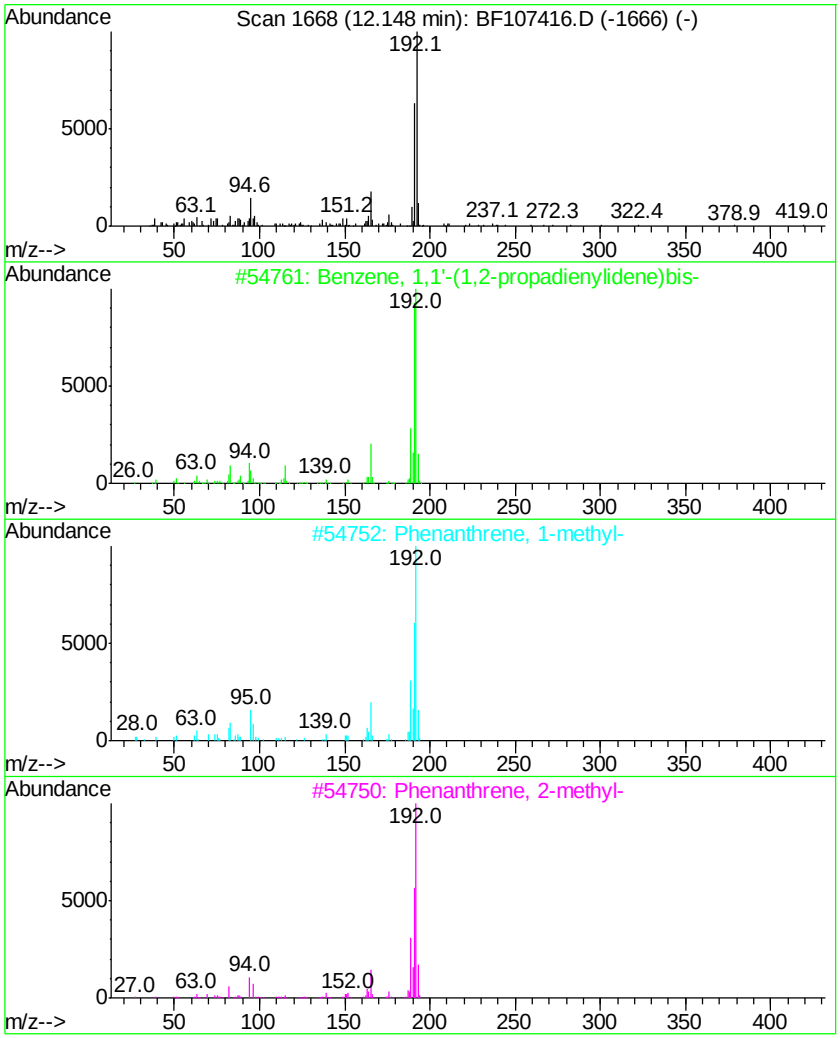
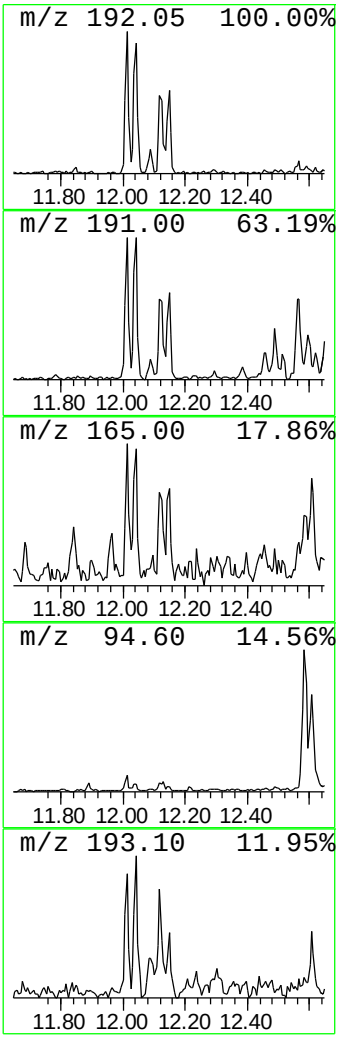
Peak Number 8 Benzene, 1,1'-(1,2-propadie... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	3.16 ng	236494	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	80
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	72
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	72
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	72
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64





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ClientSampleId : BU-02-071218

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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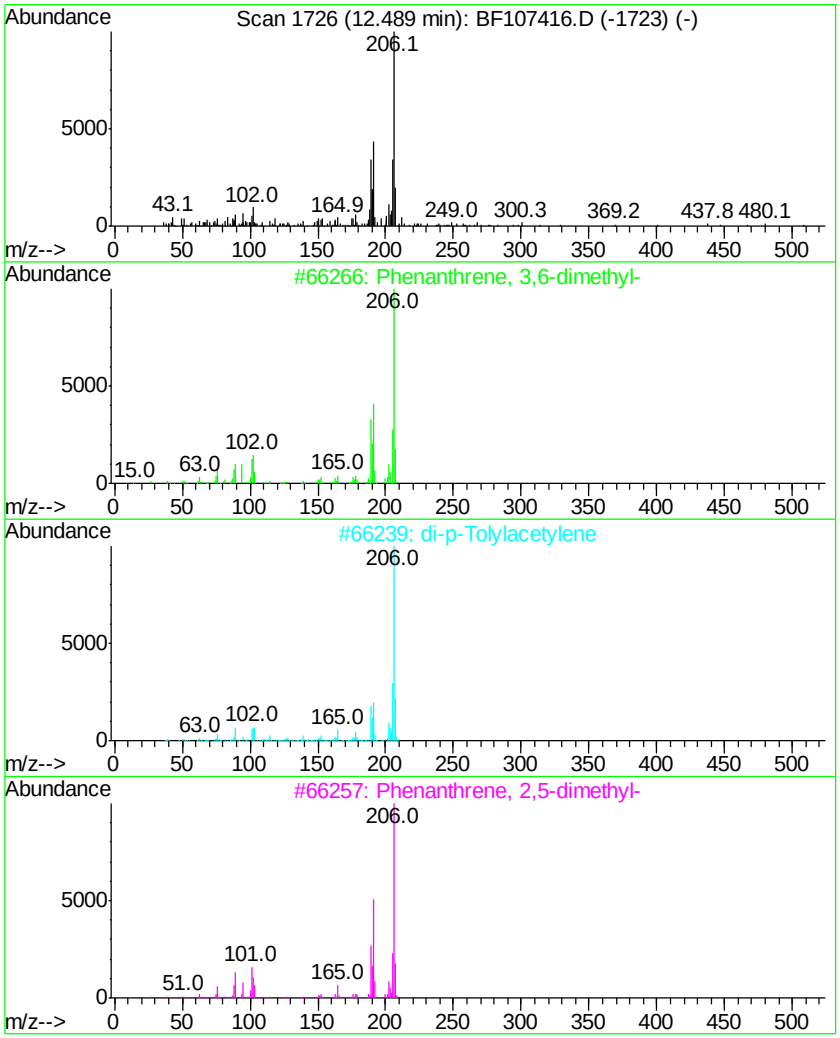
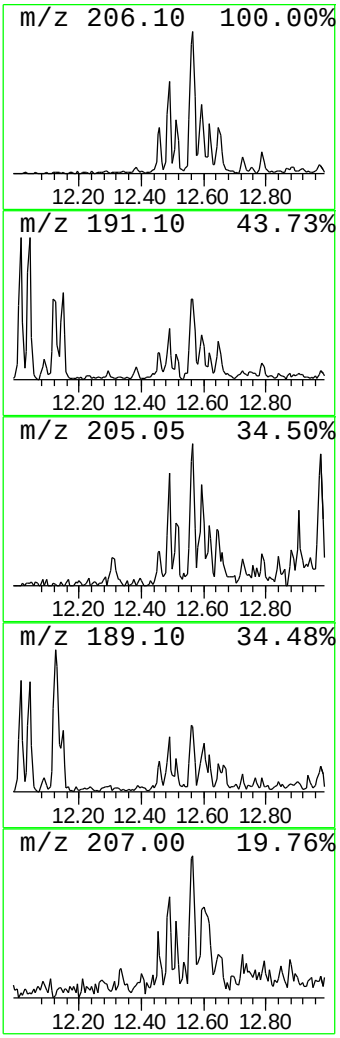
Peak Number 9 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	2.47 ng	185064	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	83
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	80
4	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	72
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	64





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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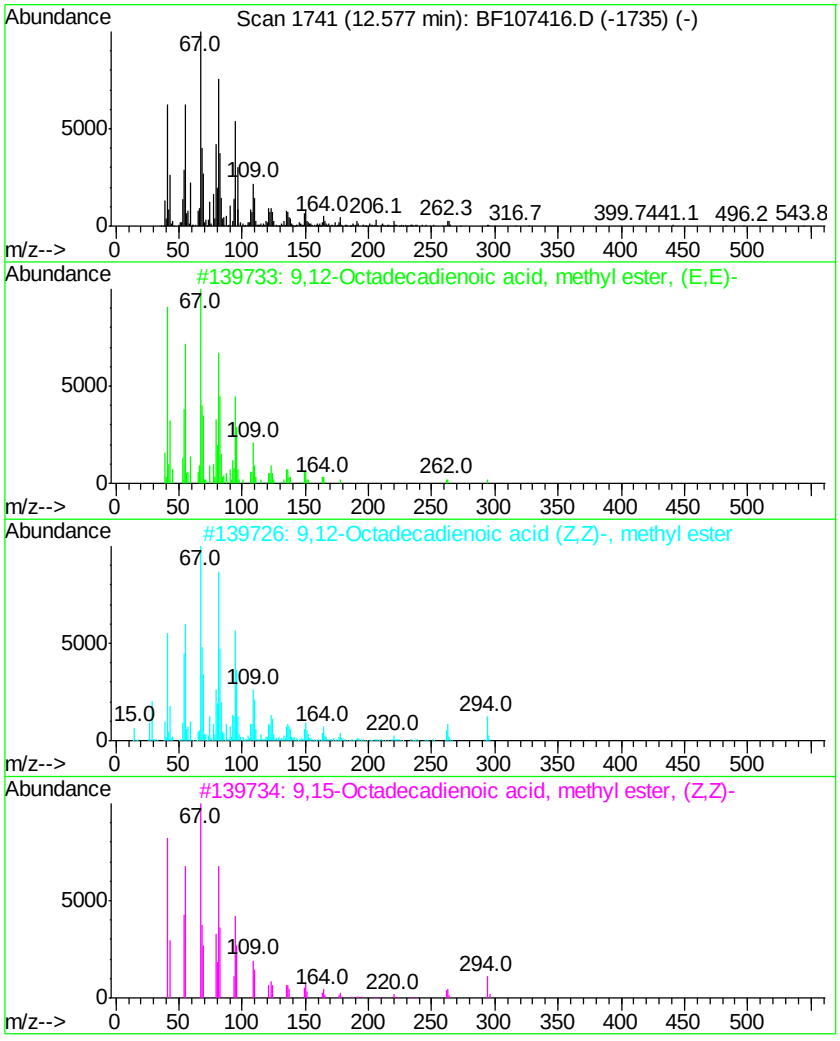
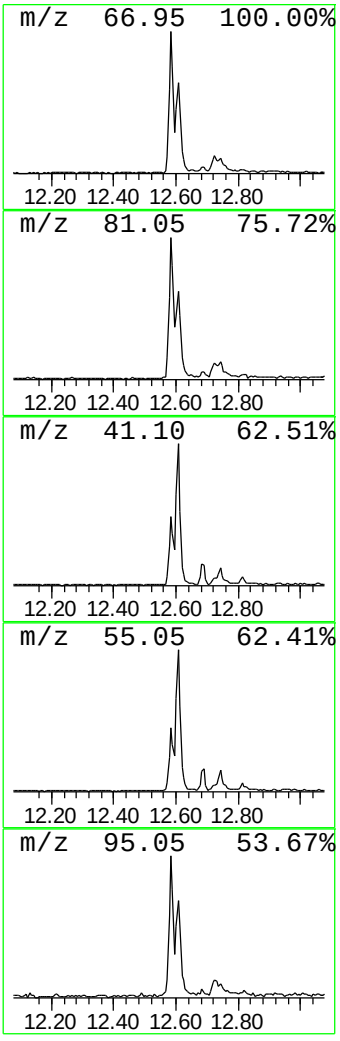
Peak Number 10 9,12-Octadecadienoic acid, ... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	67.11 ng	5030100	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	98
3	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	95
4	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	93
5	11-Octadecynoic acid, methyl ester	294	C19H34O2	026543-37-3	90





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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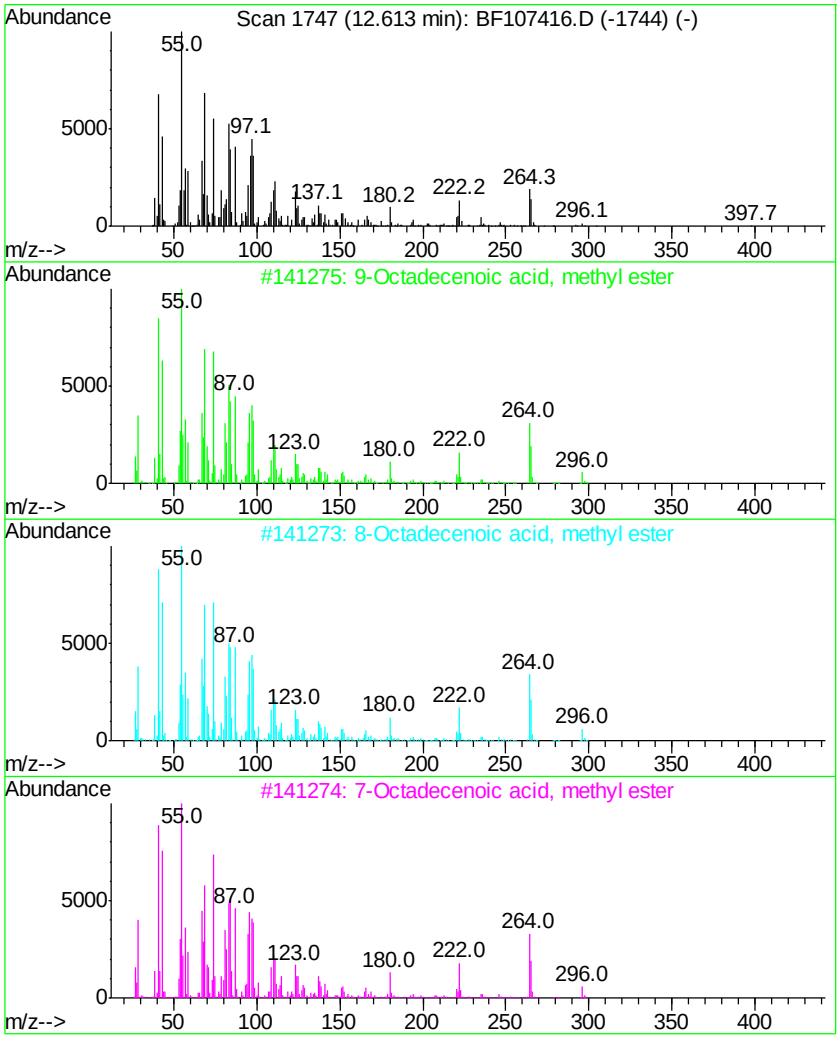
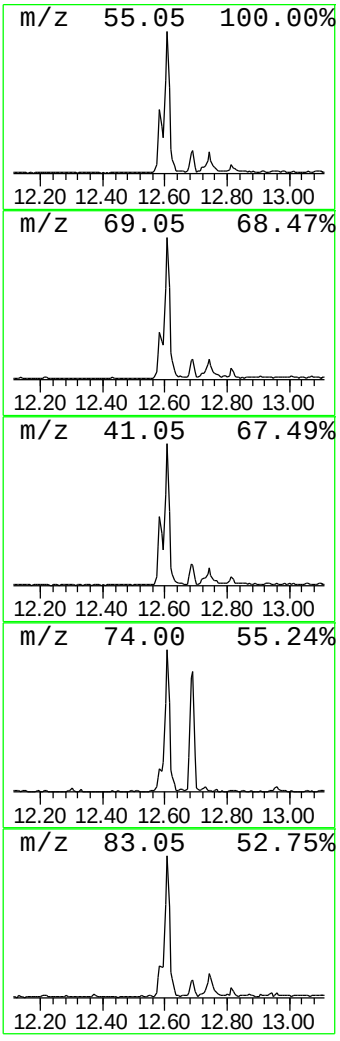
Peak Number 11 9-Octadecenoic acid, methyl... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	92.35 ng	6922140	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	99
2	8-Octadecenoic acid, methyl ester	296	C19H36O2	002345-29-1	98
3	7-Octadecenoic acid, methyl ester	296	C19H36O2	057396-98-2	97
4	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	95
5	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	93





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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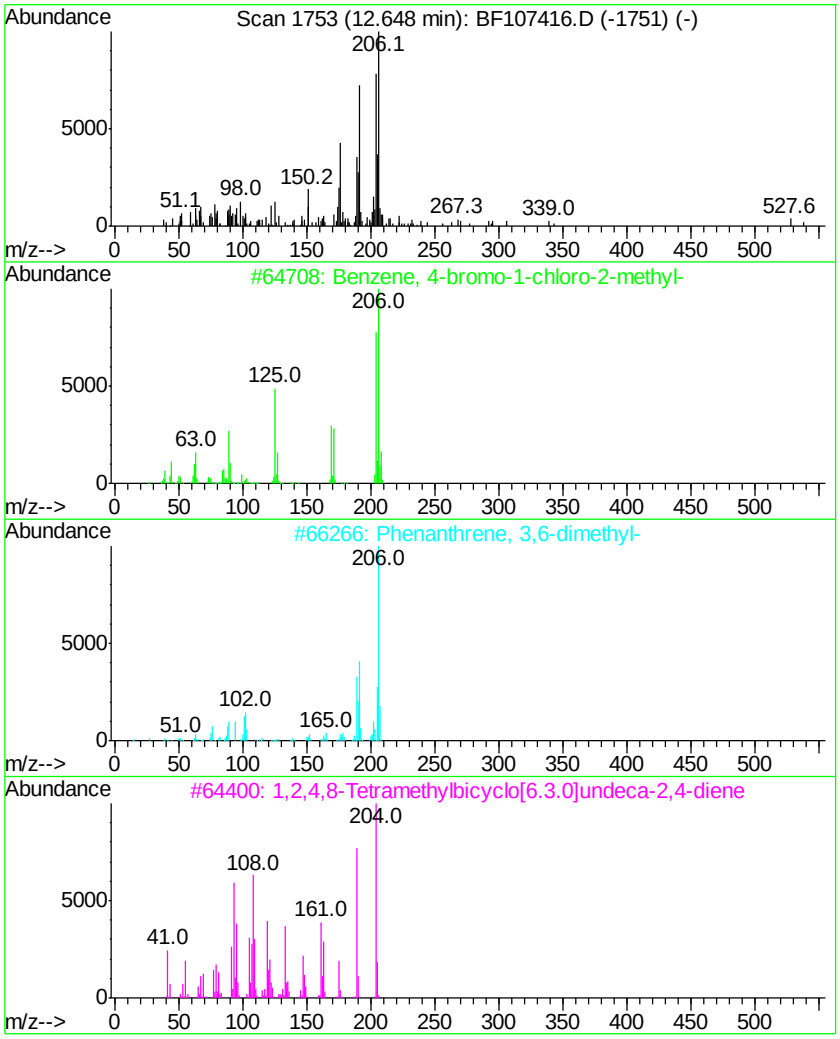
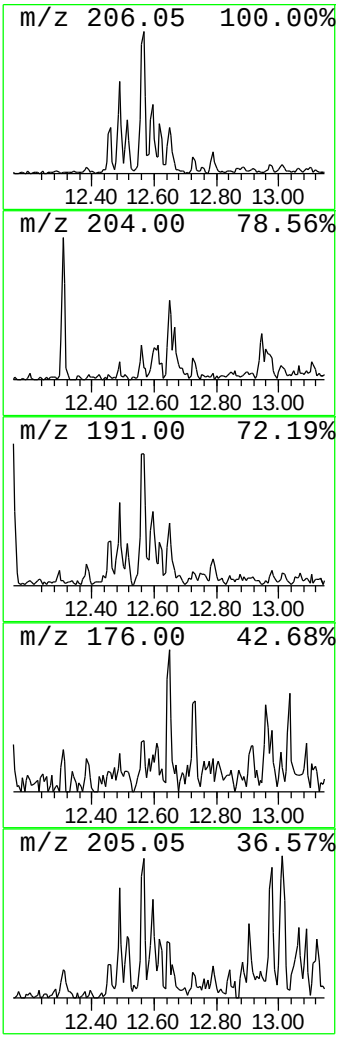
Peak Number 12 unknown12.65 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	3.02 ng	226552	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-bromo-1-chloro-2-methyl-	204	C7H6BrCl	054932-72-8	49
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	35
4	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	35
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	25





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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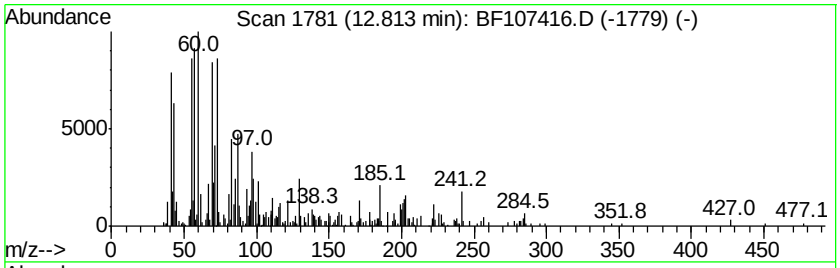
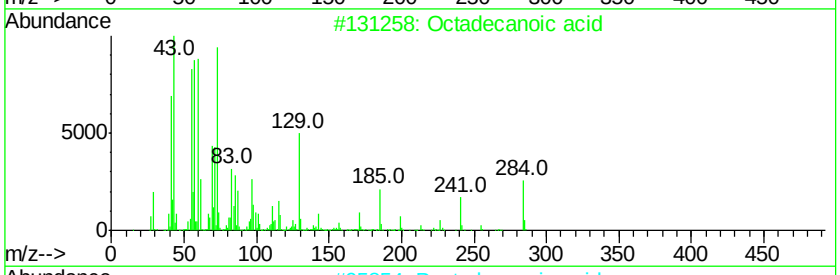
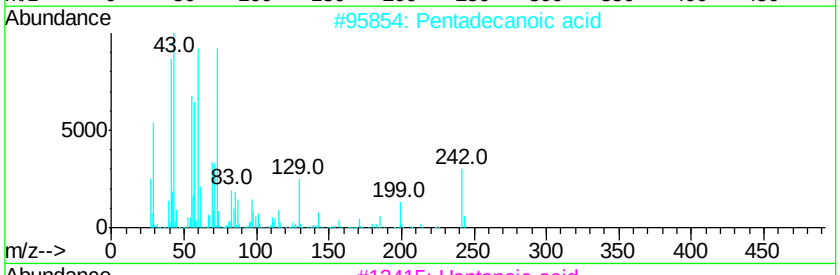
Peak Number 13 unknown12.81 Concentration Rank 9

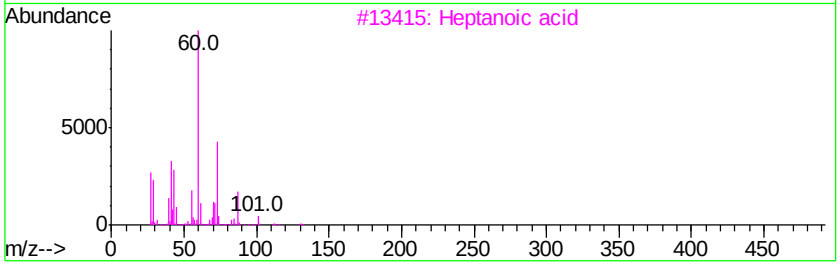
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.81	5.28 ng	395735	Phenanthrene-d10	11.51

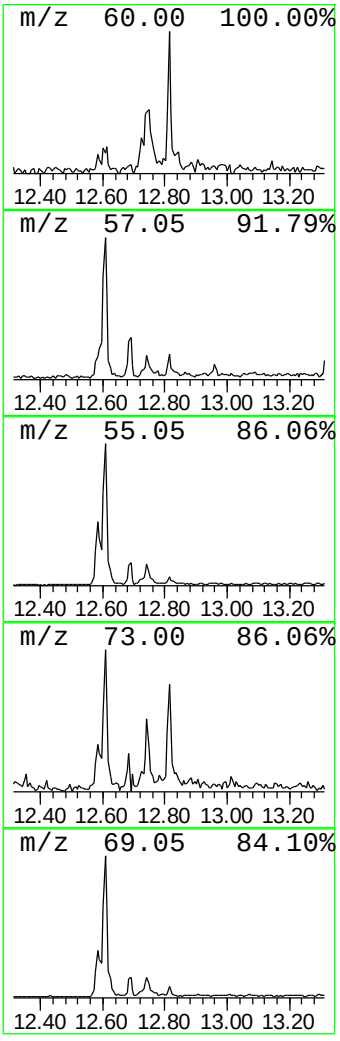
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	35
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	35
3	Heptanoic acid	130	C7H14O2	000111-14-8	30
4	Dodecanoic acid	200	C12H24O2	000143-07-7	30
5	5-Hexadecanol	242	C16H34O	021078-87-5	27











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ClientSampleId : BU-02-071218

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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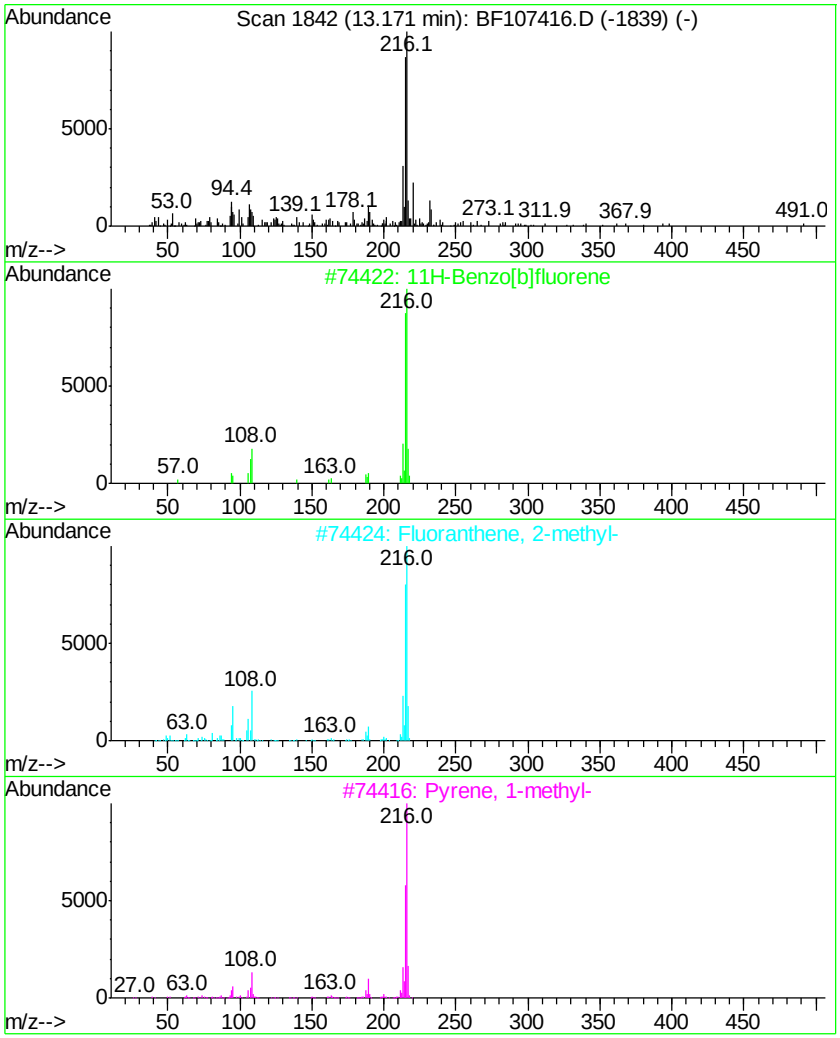
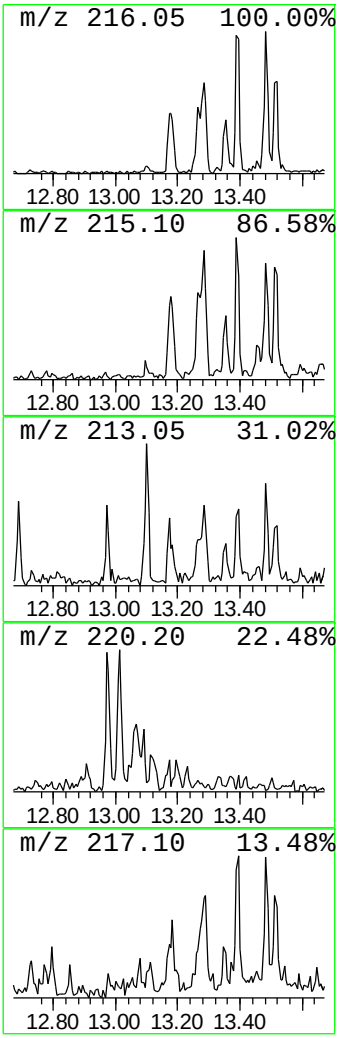
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	3.01 ng	280081	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	58
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	55
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	52
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	38





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Operator : JU/SJ
Sample : J3820-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-02-071218

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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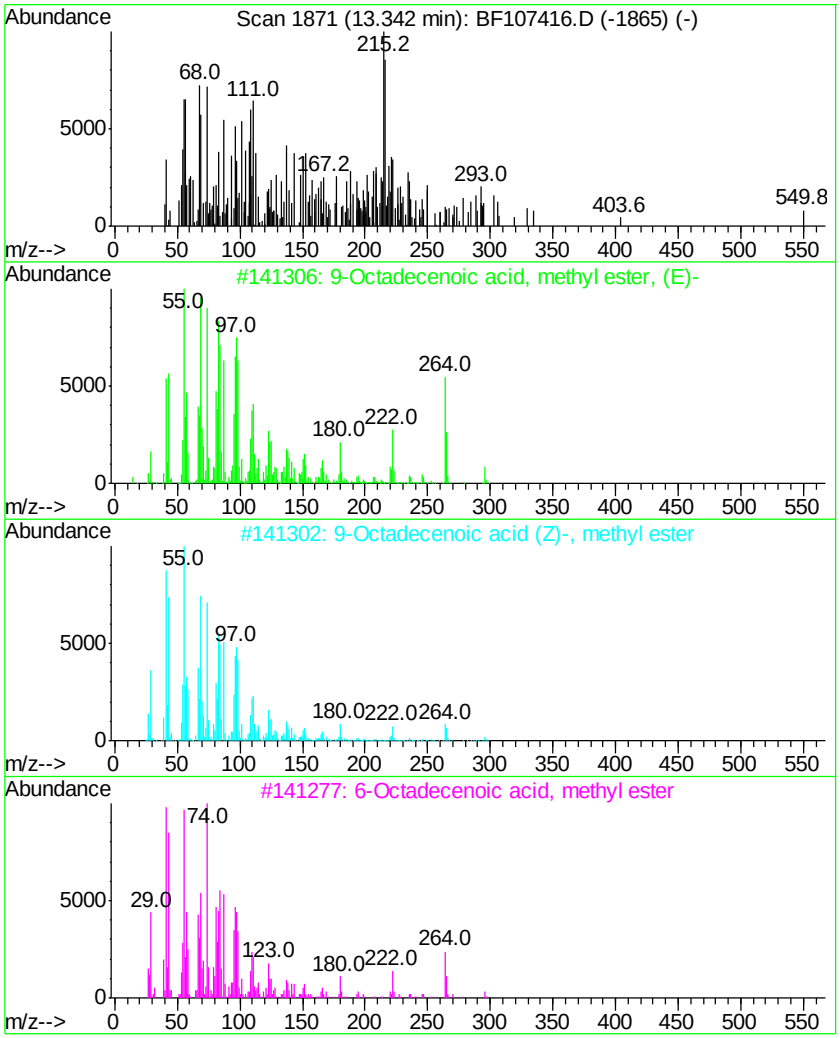
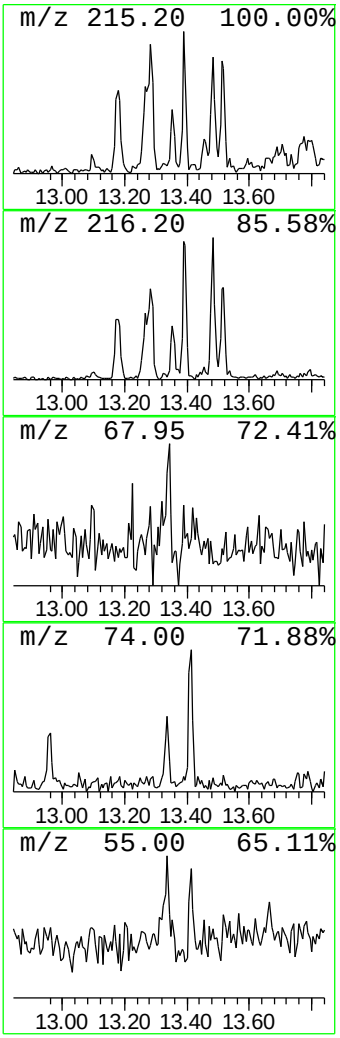
Peak Number 15 9-Octadecenoic acid, methyl... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	4.37 ng	405643	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	76
2	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	53
3	6-Octadecenoic acid, methyl ester	296	C19H36O2	052355-31-4	38
4	Dodecanoic acid, 10-methyl-, met...	228	C14H28O2	005129-65-7	38
5	10-Undecenoic acid, methyl ester	198	C12H22O2	000111-81-9	35





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-02-071218

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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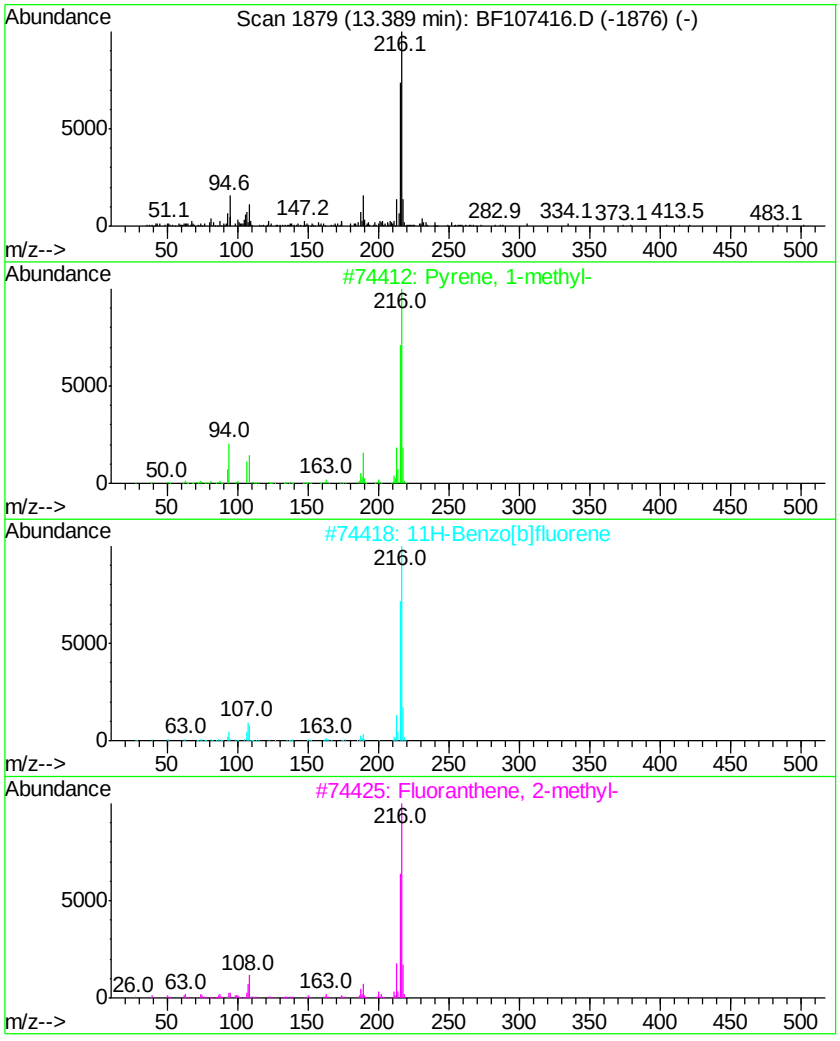
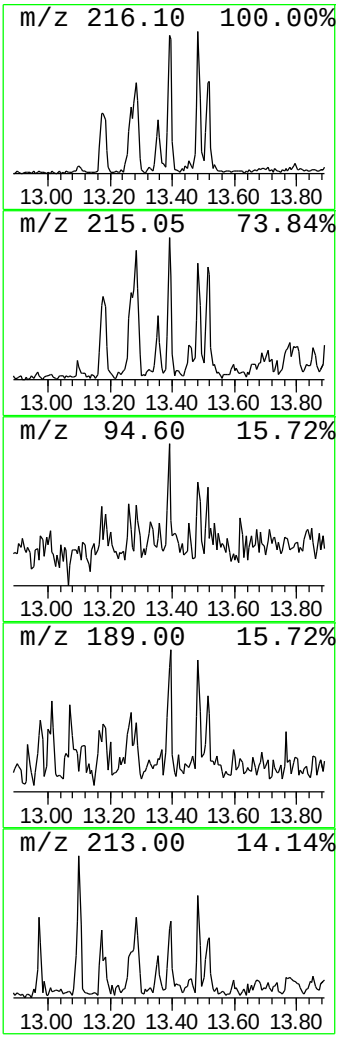
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	3.46 ng	321427	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80





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TIC Integration Parameters: LSCINT.P

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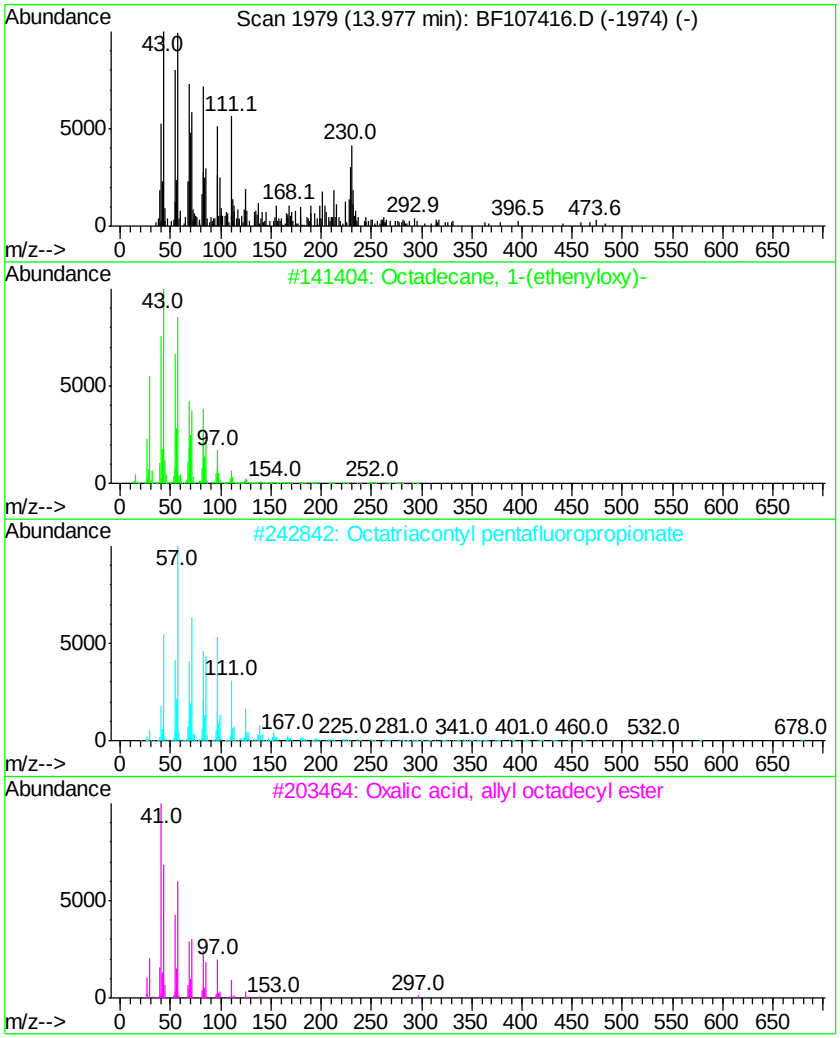
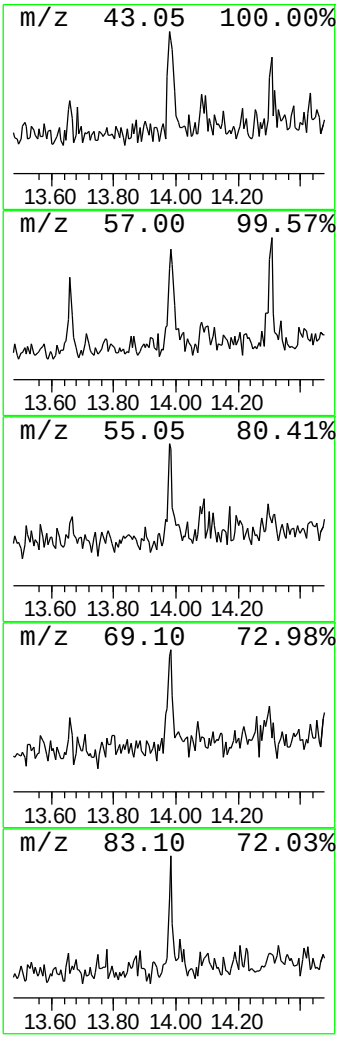
Peak Number 17 Octadecane, 1-(ethenyloxy)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	6.80 ng	631779	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 1-(ethenyloxy)-	296	C20H40O	000930-02-9	70
2	Octatriacontyl pentafluoropropio...	697	C41H77F5O2	1000351-89-1	64
3	Oxalic acid, allyl octadecyl ester	382	C23H42O4	1000309-24-5	62
4	Cyclopentadecane	210	C15H30	000295-48-7	59
5	Octatriacontyl trifluoroacetate	647	C40H77F3O2	1000351-88-7	58





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Acq On : 16 Jul 2018 21:34
Operator : JU/SJ
Sample : J3820-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-02-071218

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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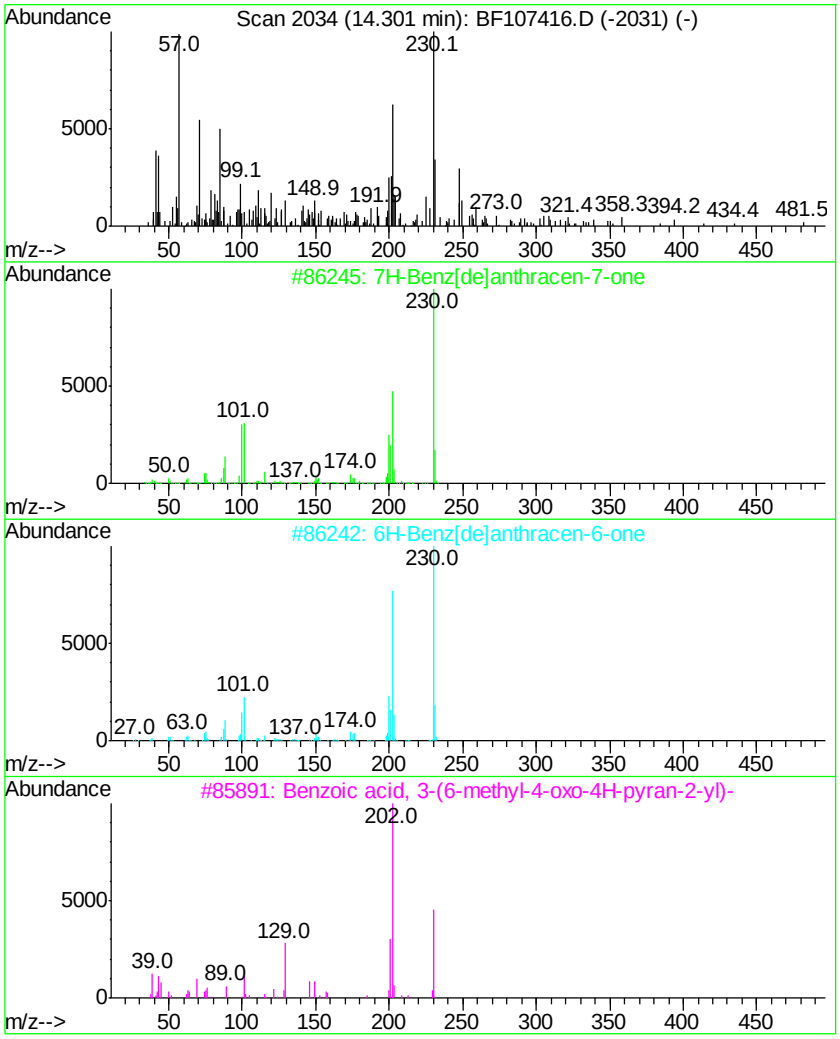
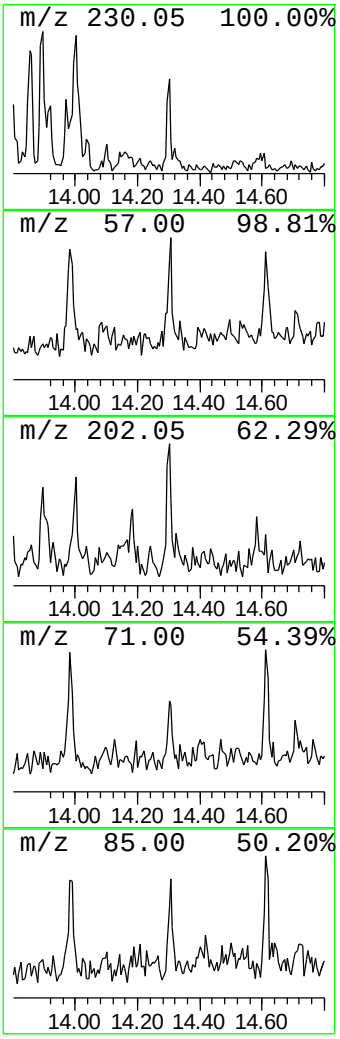
Peak Number 18 7H-Benz[de]anthracen-7-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.30	3.33 ng	308991	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	53
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	47
3	Benzoic acid, 3-(6-methyl-4-oxo-...	230	C13H10O4	295364-59-9	43
4	p-Terphenyl	230	C18H14	000092-94-4	27
5	8-Chlorobenzo[h][1,6]-naphthyrid...	230	C12H7ClN2O	025100-26-9	27





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Data File : BF107416.D
Acq On : 16 Jul 2018 21:34
Operator : JU/SJ
Sample : J3820-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-02-071218

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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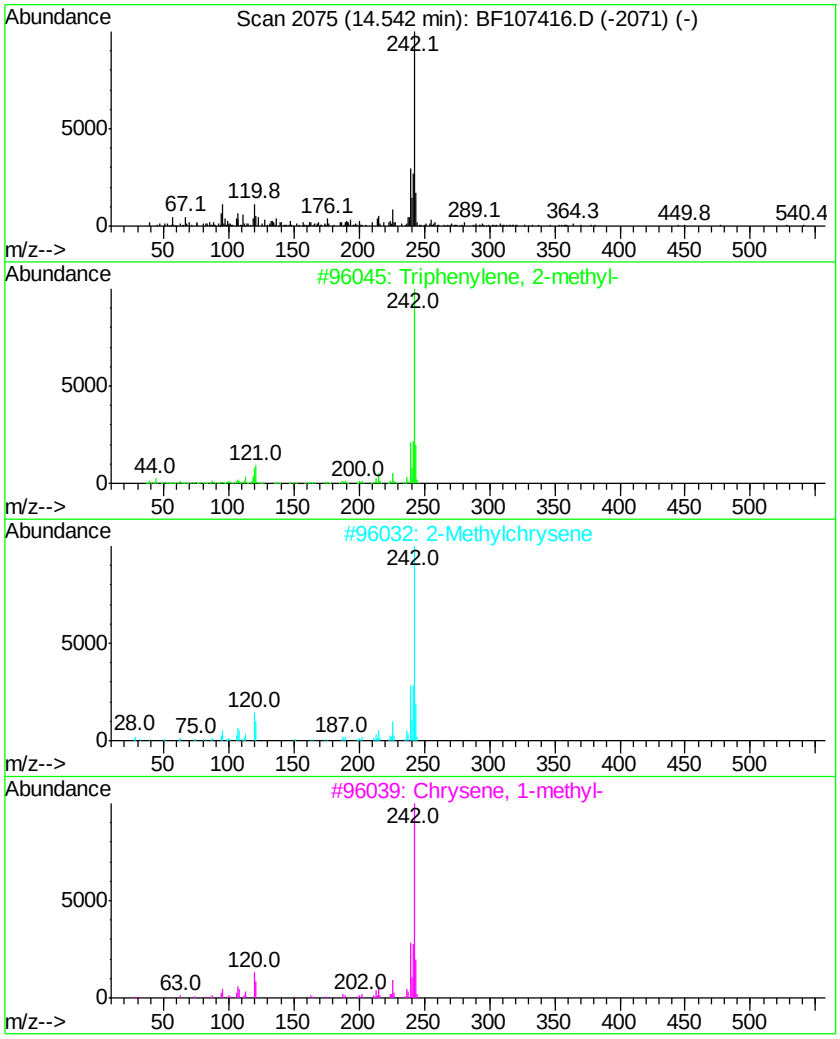
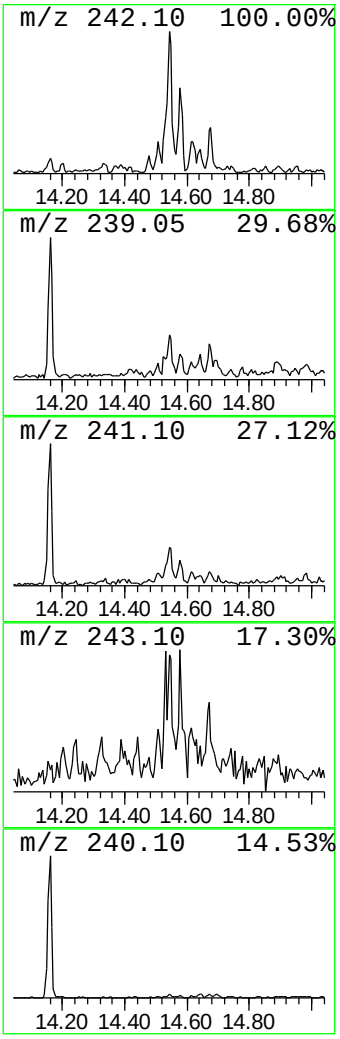
Peak Number 19 Triphenylene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	3.44 ng	319453	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
2	2-Methylchrysene	242	C19H14	003351-32-4	89
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	89
4	Chrysene, 6-methyl-	242	C19H14	001705-85-7	86
5	4b,10b-Dihydro-4b,10b-methanochr...	242	C19H14	071949-03-6	83





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Data File : BF107416.D
Acq On : 16 Jul 2018 21:34
Operator : JU/SJ
Sample : J3820-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-02-071218

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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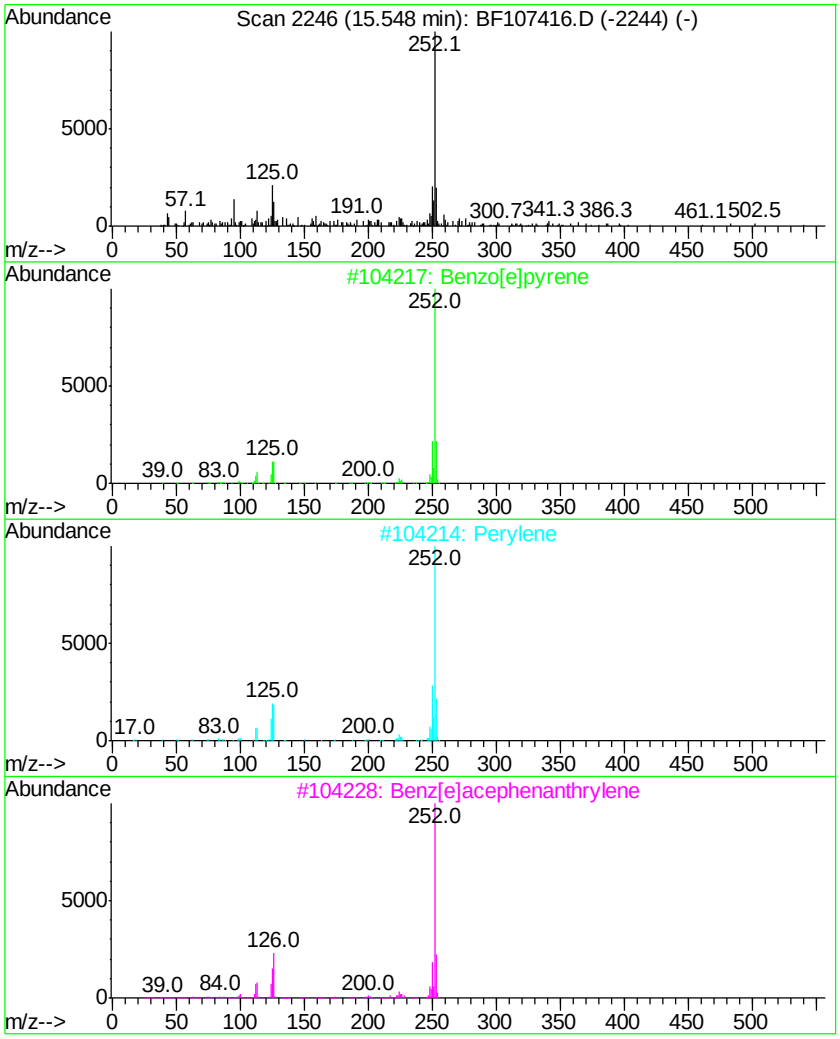
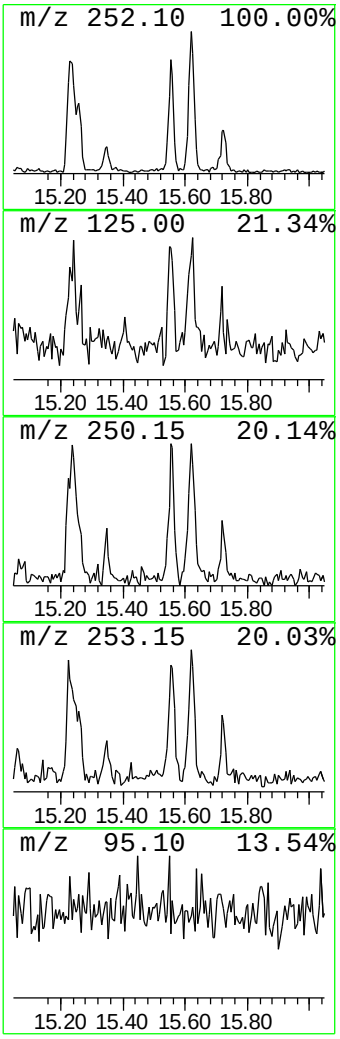
Peak Number 20 Benzo[e]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	3.65 ng	304288	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Perylene	252	C20H12	000198-55-0	89
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	89
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81
5	Benzo[a]pyrene	252	C20H12	000050-32-8	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071618\
Data File : BF107416.D
Acq On : 16 Jul 2018 21:34
Operator : JU/SJ
Sample : J3820-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BU-02-071218

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.21	8.5	ng	518789	1	6.98	1218230	20.0
unknown6.75	6.75	68.6	ng	4179350	1	6.98	1218230	20.0
Benzenesulfonamid...	10.91	3.8	ng	283435	4	11.51	1499050	20.0
Pentadecanoic aci...	11.89	19.1	ng	1435660	4	11.51	1499050	20.0
n-Hexadecanoic acid	12.03	23.4	ng	1753450	4	11.51	1499050	20.0
unknown12.12	12.12	4.6	ng	346752	4	11.51	1499050	20.0
Benzene, 1,1'-(1,...	12.15	3.2	ng	236494	4	11.51	1499050	20.0
Phenanthrene, 3,6...	12.49	2.5	ng	185064	4	11.51	1499050	20.0
9,12-Octadecadien...	12.58	67.1	ng	5030100	4	11.51	1499050	20.0
9-Octadecenoic ac...	12.61	92.3	ng	6922140	4	11.51	1499050	20.0
unknown12.65	12.65	3.0	ng	226552	4	11.51	1499050	20.0
unknown12.81	12.81	5.3	ng	395735	4	11.51	1499050	20.0
11H-Benzo[b]fluorene	13.17	3.0	ng	280081	5	14.16	1857980	20.0
9-Octadecenoic ac...	13.34	4.4	ng	405643	5	14.16	1857980	20.0
Pyrene, 1-methyl-	13.39	3.5	ng	321427	5	14.16	1857980	20.0
Octadecane, 1-(et...	13.98	6.8	ng	631779	5	14.16	1857980	20.0
7H-Benz[de]anthra...	14.30	3.3	ng	308991	5	14.16	1857980	20.0
Triphenylene, 2-m...	14.54	3.4	ng	319453	5	14.16	1857980	20.0
Benzo[e]pyrene	15.55	3.6	ng	304288	6	15.69	1667420	20.0