LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082820\
Data File : BF121458.D
Acq On : 28 Aug 2020 14:21
Operator : JU/CG
Sample : L3507-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-082720

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-BF082720.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	2.128	4	7	52	rVB3	821838	2274471	43.03%	2.983%
2	5.457	569	573	577	rBV	1165247	1044841	19.77%	1.370%
3	6.469	739	745	748	rBV	1377796	1109386	20.99%	1.455%
4	6.698	779	784	786	rBV2	67505	87265	1.65%	0.114%
5	6.857	807	811	814	rBV	2359777	1866899	35.32%	2.448%
6	7.410	896	905	908	rBV	853023	756047	14.30%	0.991%
7	8.139	1024	1029	1032	rBV	2912370	2688653	50.87%	3.526%
8	8.163	1032	1033	1036	rVV	567079	283060	5.36%	0.371%
9	8.851	1146	1150	1153	rVB	423131	355097	6.72%	0.466%
10	8.951	1163	1167	1172	rBV2	372317	378463	7.16%	0.496%
11	9.169	1201	1204	1208	rBV3	65370	78384	1.48%	0.103%
12	9.216	1208	1212	1215	rVB	1819588	1408098	26.64%	1.847%
13	9.304	1222	1227	1231	rBV2	130963	209377	3.96%	0.275%
14	9.416	1243	1246	1251	rVB	68900	83765	1.58%	0.110%
15	9.475	1251	1256	1261	rBV2	186652	278587	5.27%	0.365%
16	9.551	1264	1269	1272	rVV	301428	379044	7.17%	0.497%
17	9.580	1272	1274	1276	rVV	224187	182557	3.45%	0.239%
18	9.610	1276	1279	1283	rVV2	231898	301473	5.70%	0.395%
19	9.669	1287	1289	1294	rVB2	165946	202598	3.83%	0.266%
20	9.757	1300	1304	1309	rVB	188794	187574	3.55%	0.246%
21	9.833	1314	1317	1321	rVB	202171	174905	3.31%	0.229%
22	9.898	1321	1328	1331	rBV	3127971	2901620	54.90%	3.805%
23	9.927	1331	1333	1336	rVB	466034	350289	6.63%	0.459%
24	10.004	1343	1346	1349	rVB2	88668	100271	1.90%	0.131%
25	10.069	1350	1357	1358	rBV5	56123	107505	2.03%	0.141%
26	10.098	1358	1362	1365	rVB	349814	312126	5.91%	0.409%
27	10.210	1379	1381	1384	rBV	103690	105176	1.99%	0.138%
28	10.239	1384	1386	1389	rVB	100444	76692	1.45%	0.101%
29	10.304	1393	1397	1398	rBV2	69007	75326	1.43%	0.099%
30	10.327	1398	1401	1405	rVV2	316140	278313	5.27%	0.365%
31	10.439	1416	1420	1427	rBV	711509	658339	12.46%	0.863%
32	10.527	1433	1435	1437	rBV3	85762	83567	1.58%	0.110%
33	10.551	1437	1439	1442	rVV	167983	151696	2.87%	0.199%
34	10.598	1445	1447	1451	rVB	143984	127011	2.40%	0.167%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082820\
Data File : BF121458.D
Acq On : 28 Aug 2020 14:21
Operator : JU/CG
Sample : L3507-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-082720

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-BF082720.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.674	1456	1460	1465	rBV	961870	925726	17.51%	1.214%
36	10.804	1479	1482	1490	rVB	448678	517989	9.80%	0.679%
37	10.992	1509	1514	1516	rBV2	148006	185522	3.51%	0.243%
38	11.016	1516	1518	1524	rVV3	141015	183785	3.48%	0.241%
39	11.069	1524	1527	1530	rVB2	84063	89871	1.70%	0.118%
40	11.251	1555	1558	1560	rVV	396486	351896	6.66%	0.461%
41	11.274	1560	1562	1569	rVB2	340061	408132	7.72%	0.535%
42	11.380	1576	1580	1582	rBV	3242503	2841015	53.75%	3.726%
43	11.404	1582	1584	1587	rVV	3217288	2512122	47.53%	3.294%
44	11.457	1587	1593	1595	rVV	820548	776471	14.69%	1.018%
45	11.486	1595	1598	1602	rVV2	112383	125400	2.37%	0.164%
46	11.604	1615	1618	1621	rBV	263414	221560	4.19%	0.291%
47	11.680	1628	1631	1633	rBV	395949	309019	5.85%	0.405%
48	11.704	1633	1635	1639	rVB2	194432	198612	3.76%	0.260%
49	11.780	1644	1648	1653	rVB	2299964	1950322	36.90%	2.558%
50	11.833	1653	1657	1660	rBV5	78892	125644	2.38%	0.165%
51	11.880	1662	1665	1667	rVV	510794	518771	9.81%	0.680%
52	11.910	1667	1670	1674	rVV	1460067	1369124	25.90%	1.795%
53	11.957	1675	1678	1680	rVV	256729	250336	4.74%	0.328%
54	11.992	1680	1684	1687	rVV	858277	954449	18.06%	1.252%
55	12.016	1687	1688	1692	rVB	364914	205668	3.89%	0.270%
56	12.086	1697	1700	1703	rBV2	314330	248827	4.71%	0.326%
57	12.180	1713	1716	1718	rBV	247521	246938	4.67%	0.324%
58	12.310	1735	1738	1739	rBV2	78220	77376	1.46%	0.101%
59	12.357	1743	1746	1748	rBV	138284	123132	2.33%	0.161%
60	12.380	1748	1750	1752	rVB	130775	107971	2.04%	0.142%
61	12.433	1755	1759	1761	rBV	322281	351977	6.66%	0.462%
62	12.468	1761	1765	1767	rBV	5191629	5285552	100.00%	6.931%
63	12.486	1767	1768	1778	rVB	4878584	4344673	82.20%	5.697%
64	12.574	1779	1783	1784	rBV	919803	879457	16.64%	1.153%
65	12.592	1784	1786	1789	rVB	3356733	2615959	49.49%	3.430%
66	12.616	1789	1790	1793	rBV	126663	102509	1.94%	0.134%
67	12.698	1799	1804	1809	rBV2	522349	666189	12.60%	0.874%
68	12.745	1810	1812	1816	rVB2	129573	113096	2.14%	0.148%
69	12.821	1819	1825	1828	rBV	2930541	3125559	59.13%	4.099%
70	12.845	1828	1829	1832	rVV2	310585	185272	3.51%	0.243%
71	12.868	1832	1833	1838	rVB2	129316	156473	2.96%	0.205%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082820\
Data File : BF121458.D
Acq On : 28 Aug 2020 14:21
Operator : JU/CG
Sample : L3507-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-082720

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-BF082720.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.939	1842	1845	1846	rBV2	183230	151270	2.86%	0.198%
73	12.963	1846	1849	1856	rVB	1700243	1646913	31.16%	2.160%
74	13.039	1857	1862	1865	rBV3	224556	368167	6.97%	0.483%
75	13.151	1874	1881	1884	rVB	603325	829707	15.70%	1.088%
76	13.216	1887	1892	1895	rVV2	639349	699411	13.23%	0.917%
77	13.251	1895	1898	1901	rBV2	370404	336768	6.37%	0.442%
78	13.345	1911	1914	1916	rBV	177359	133454	2.52%	0.175%
79	13.374	1916	1919	1922	rVB	236629	207500	3.93%	0.272%
80	13.551	1946	1949	1951	rBV2	221136	222981	4.22%	0.292%
81	13.798	1988	1991	1993	rBV	172481	137609	2.60%	0.180%
82	13.815	1993	1994	1999	rVV2	142378	172738	3.27%	0.227%
83	13.874	2001	2004	2012	rVB2	357412	435996	8.25%	0.572%
84	14.015	2023	2028	2031	rBV2	2806073	3669390	69.42%	4.812%
85	14.045	2031	2033	2036	rVB	1277905	922957	17.46%	1.210%
86	14.121	2044	2046	2050	rVB	230505	185053	3.50%	0.243%
87	14.198	2056	2059	2063	rVB2	230359	287017	5.43%	0.376%
88	14.404	2092	2094	2097	rVB	231062	180474	3.41%	0.237%
89	14.498	2107	2110	2113	rVB2	333922	281040	5.32%	0.369%
90	14.527	2113	2115	2117	rBV	147587	108963	2.06%	0.143%
91	14.810	2161	2163	2165	rBV	160179	123335	2.33%	0.162%
92	14.886	2170	2176	2181	rBV	3790306	4783107	90.49%	6.272%
93	15.057	2201	2205	2208	rBV	913204	1345412	25.45%	1.764%
94	15.162	2219	2223	2230	rVB2	300148	545694	10.32%	0.716%
95	15.362	2253	2257	2263	rVB	513755	662655	12.54%	0.869%
96	15.421	2263	2267	2271	rBV	803250	942458	17.83%	1.236%
97	15.486	2274	2278	2282	rBV2	1565402	1928889	36.49%	2.529%
98	15.974	2359	2361	2366	rVB	176081	235794	4.46%	0.309%
99	16.945	2521	2526	2535	rVB2	388513	789655	14.94%	1.036%
100	17.386	2595	2601	2611	rVB	300436	611627	11.57%	0.802%

Sum of corrected areas: 76256903

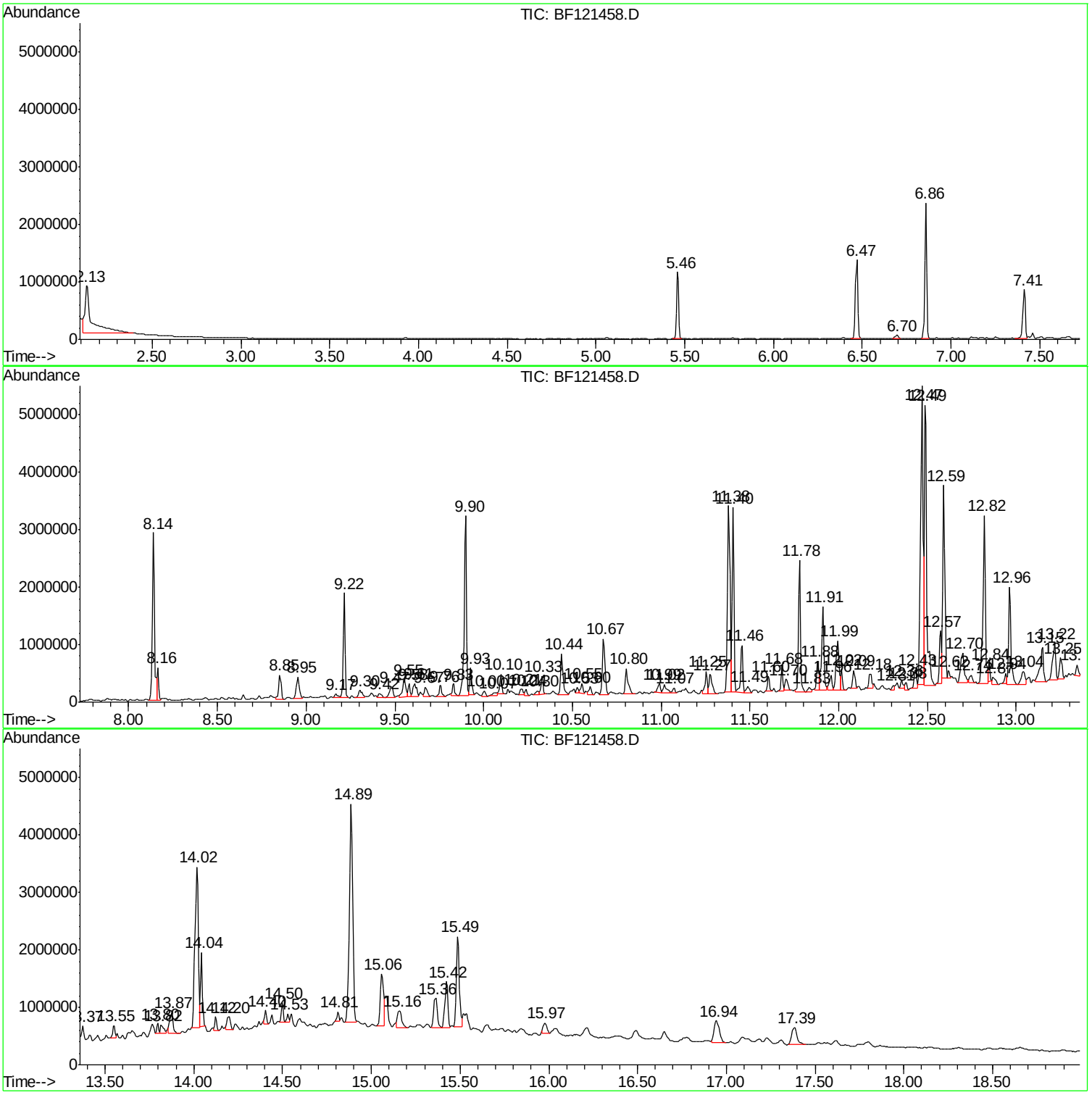
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082820\
Data File : BF121458.D
Acq On : 28 Aug 2020 14:21
Operator : JU/CG
Sample : L3507-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-082720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082820\
Data File : BF121458.D
Acq On : 28 Aug 2020 14:21
Operator : JU/CG
Sample : L3507-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-082720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

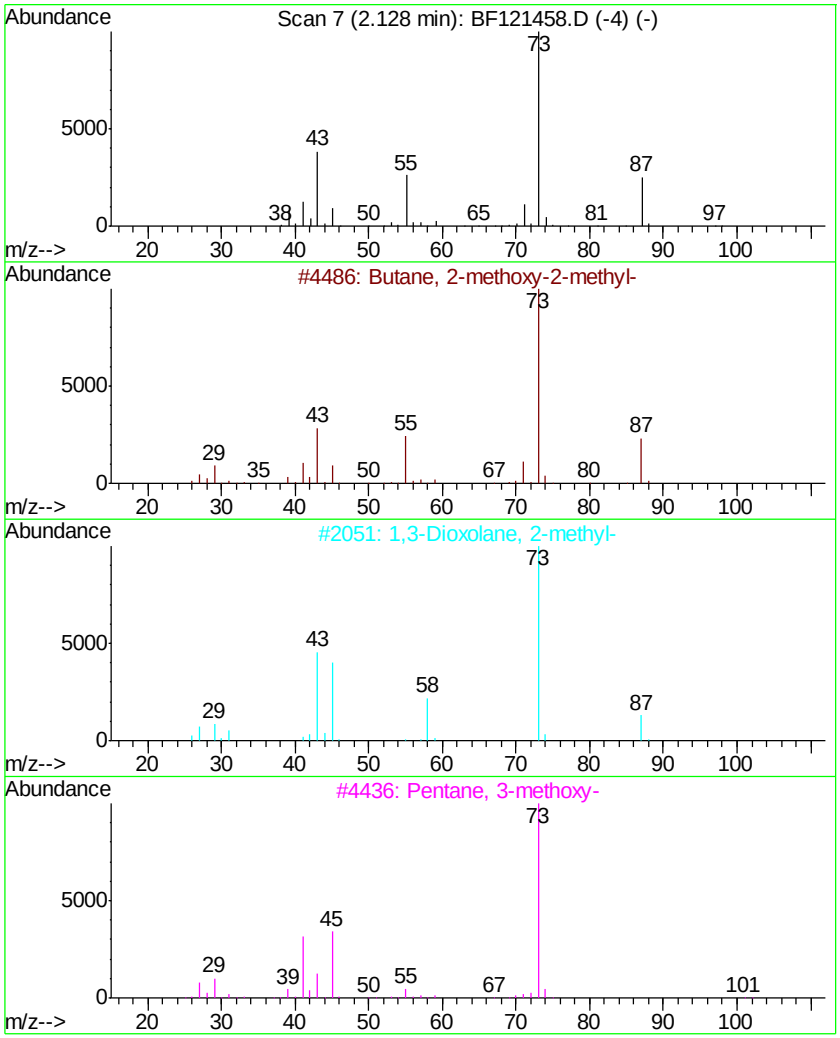
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

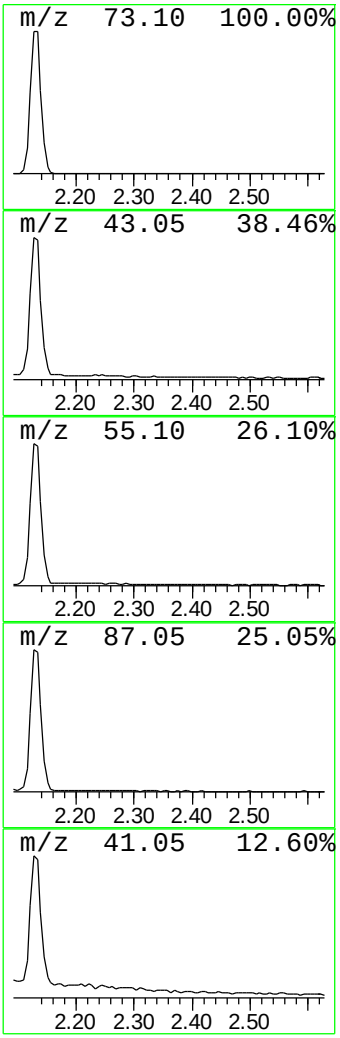
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	24.37 ng	2274470	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	10
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082820\
Data File : BF121458.D
Acq On : 28 Aug 2020 14:21
Operator : JU/CG
Sample : L3507-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-082720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

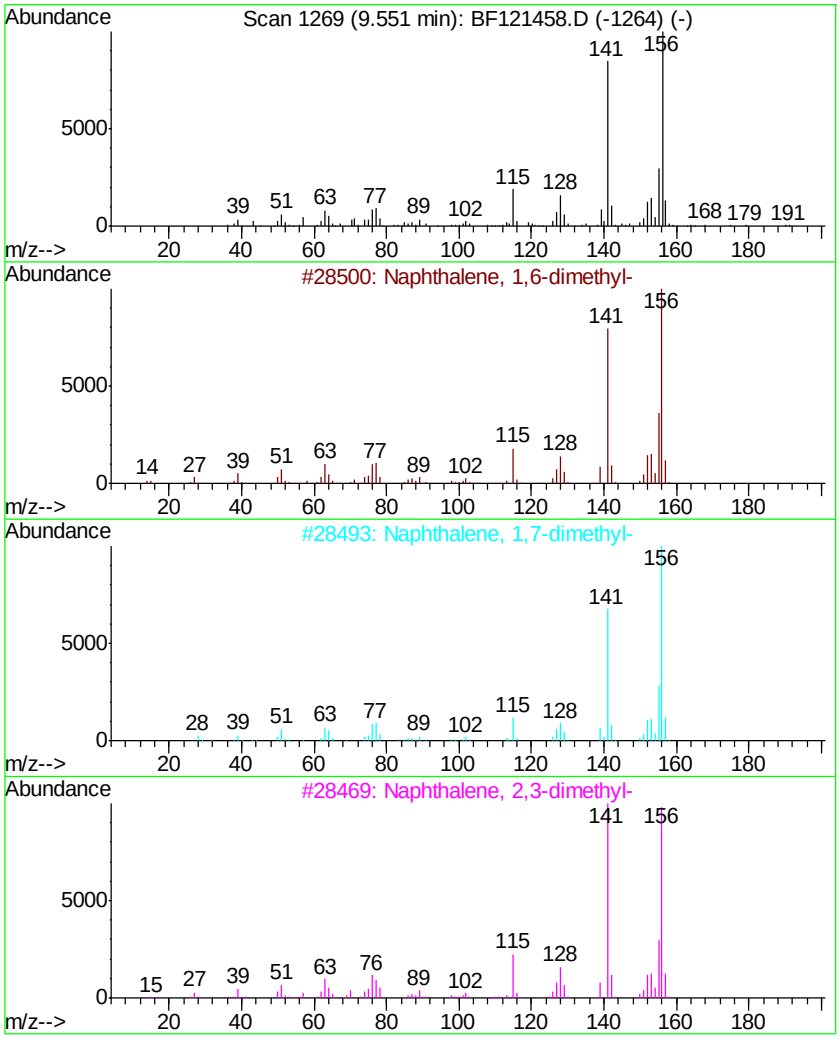
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

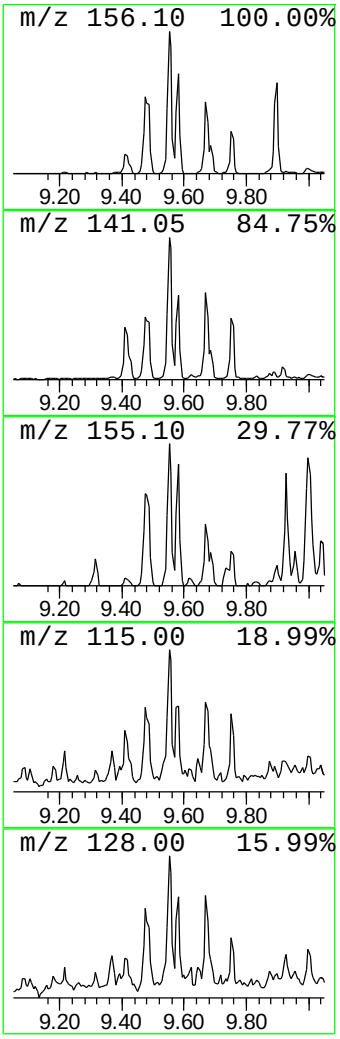
****

Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.55	2.61 ng	379044	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082820\
Data File : BF121458.D
Acq On : 28 Aug 2020 14:21
Operator : JU/CG
Sample : L3507-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-082720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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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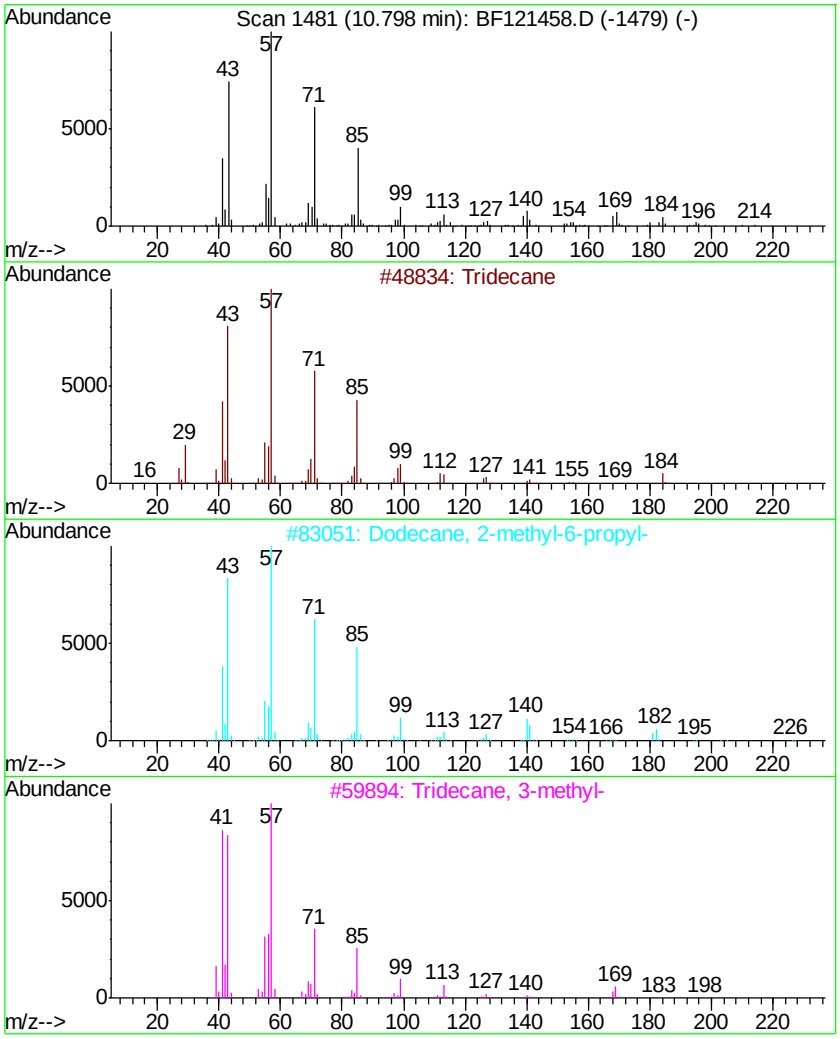
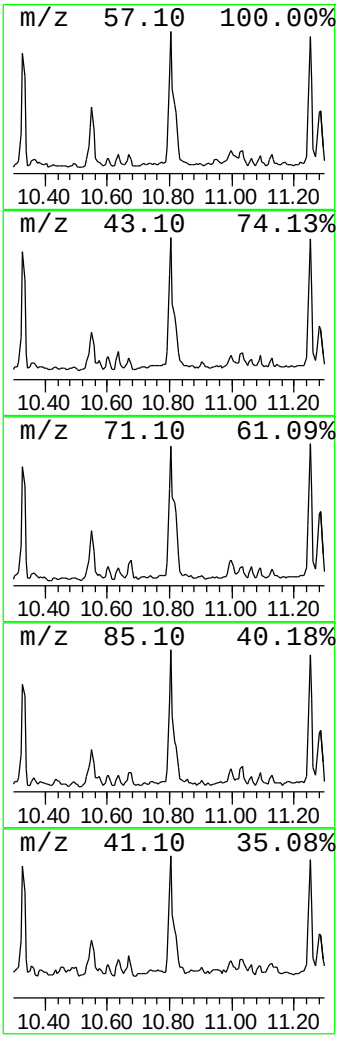
Peak Number 3 Tridecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	3.65 ng	517989	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	76
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	72
3	Tridecane, 3-methyl-	198	C14H30	006418-41-3	68
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	64
5	Heptadecane	240	C17H36	000629-78-7	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082820\
Data File : BF121458.D
Acq On : 28 Aug 2020 14:21
Operator : JU/CG
Sample : L3507-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-082720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

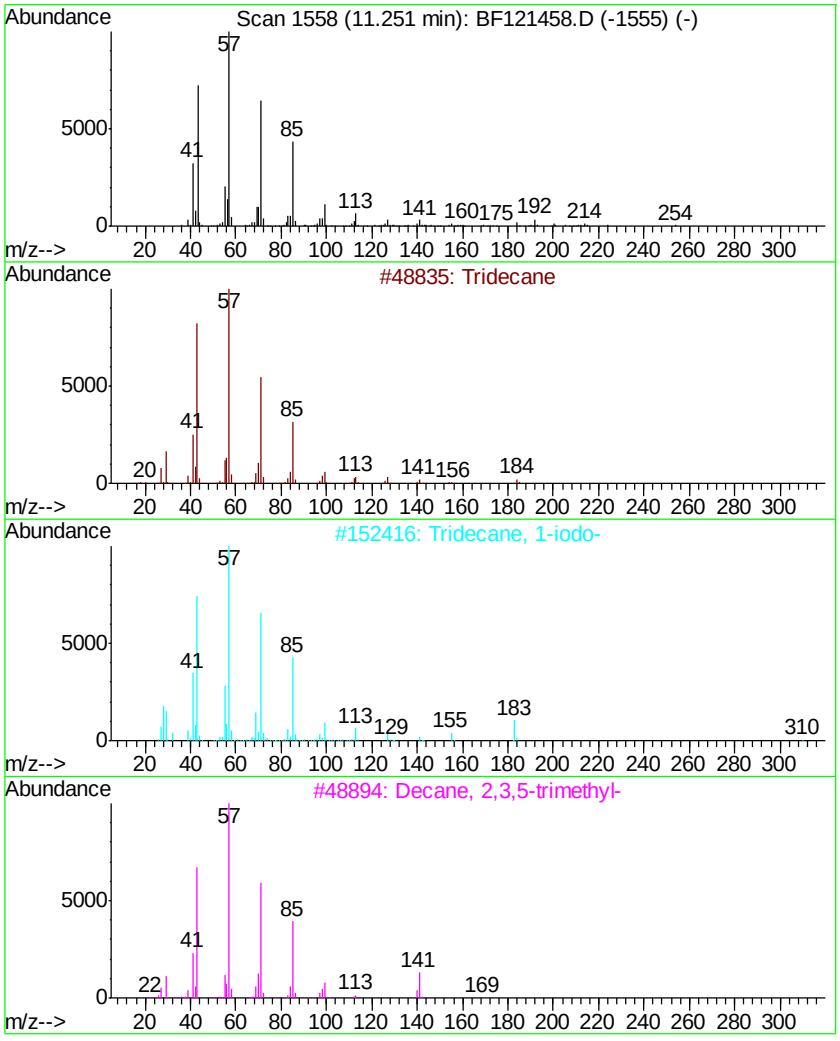
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

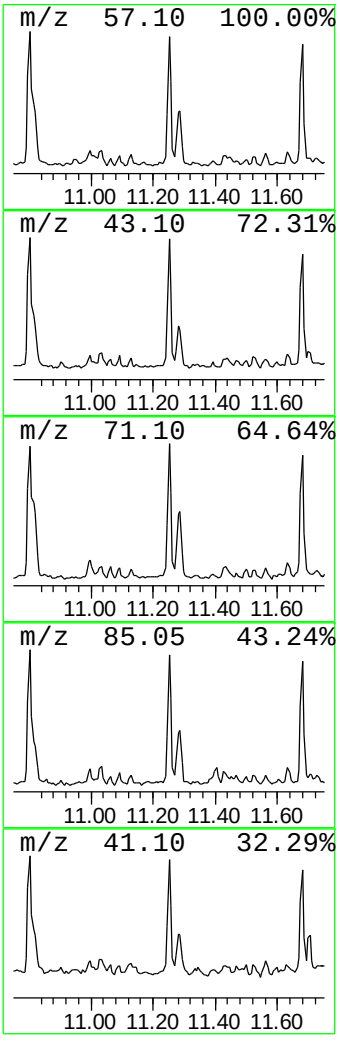
****

Peak Number 4 Tridecane, 1-iodo- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	2.48 ng	351896	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	94
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86
3	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	86
4	Hexadecane	226	C16H34	000544-76-3	80
5	Tetracosane	338	C24H50	000646-31-1	80





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082820\
Data File : BF121458.D
Acq On : 28 Aug 2020 14:21
Operator : JU/CG
Sample : L3507-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-082720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

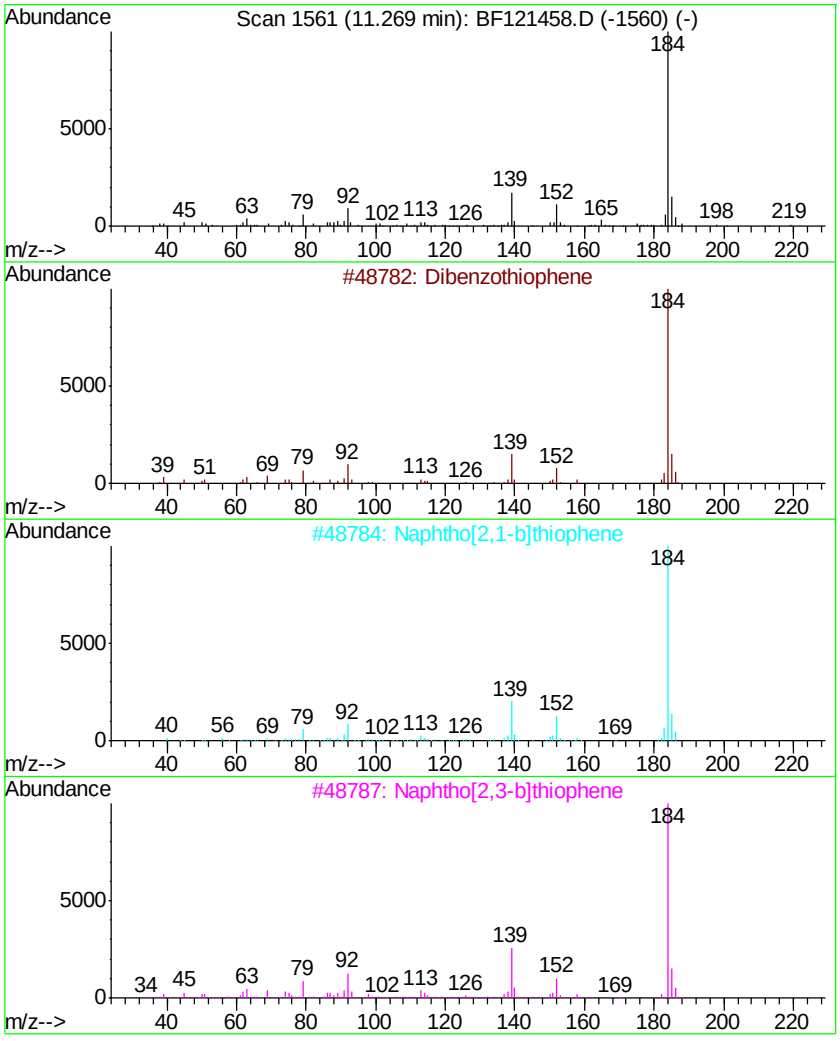
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

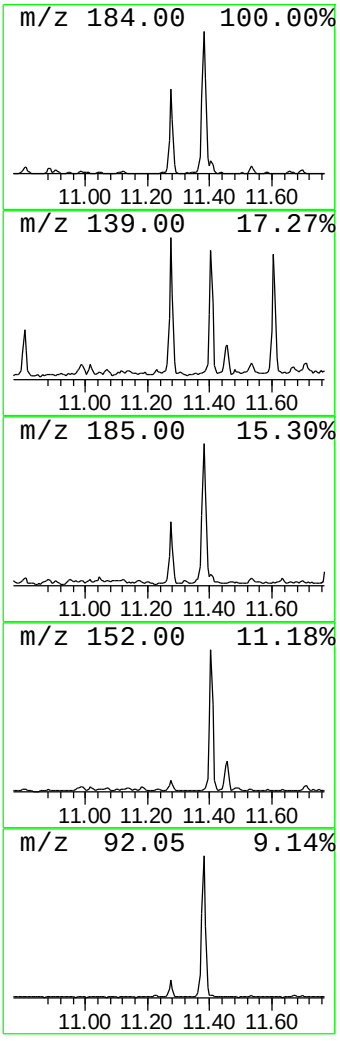
****

Peak Number 5 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	2.87 ng	408132	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	87





Library Search Compound Report

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Data File : BF121458.D
Acq On : 28 Aug 2020 14:21
Operator : JU/CG
Sample : L3507-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-082720

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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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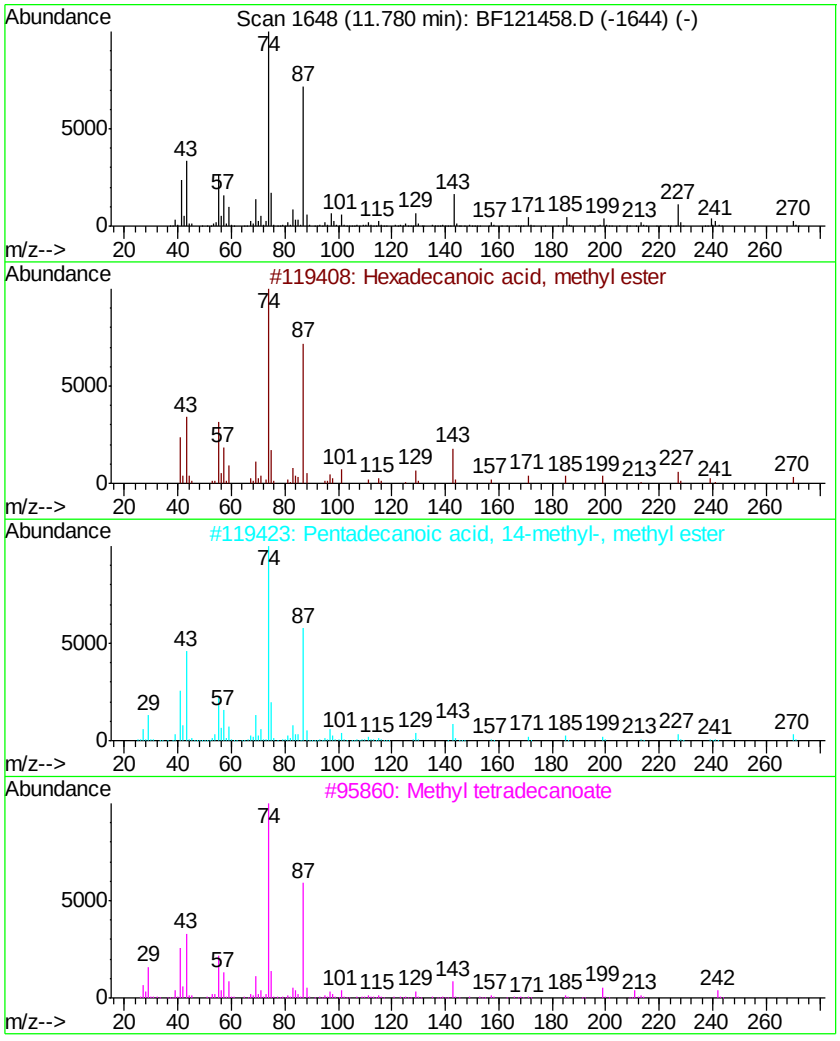
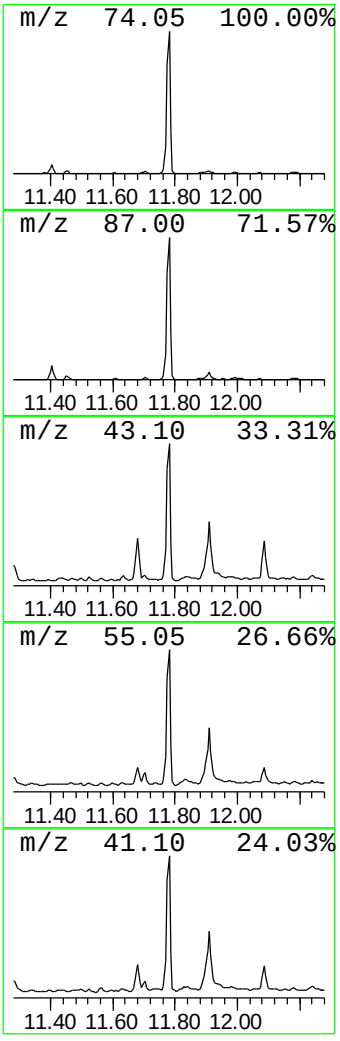
Peak Number 6 Hexadecanoic acid, methyl e... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	13.73 ng	1950320	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	96
3	Methyl tetradecanoate	242	C15H30O2	000124-10-7	87
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
5	Tridecanoic acid, 12-methyl-, me...	242	C15H30O2	005129-58-8	80





Library Search Compound Report

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Operator : JU/CG
Sample : L3507-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-082720

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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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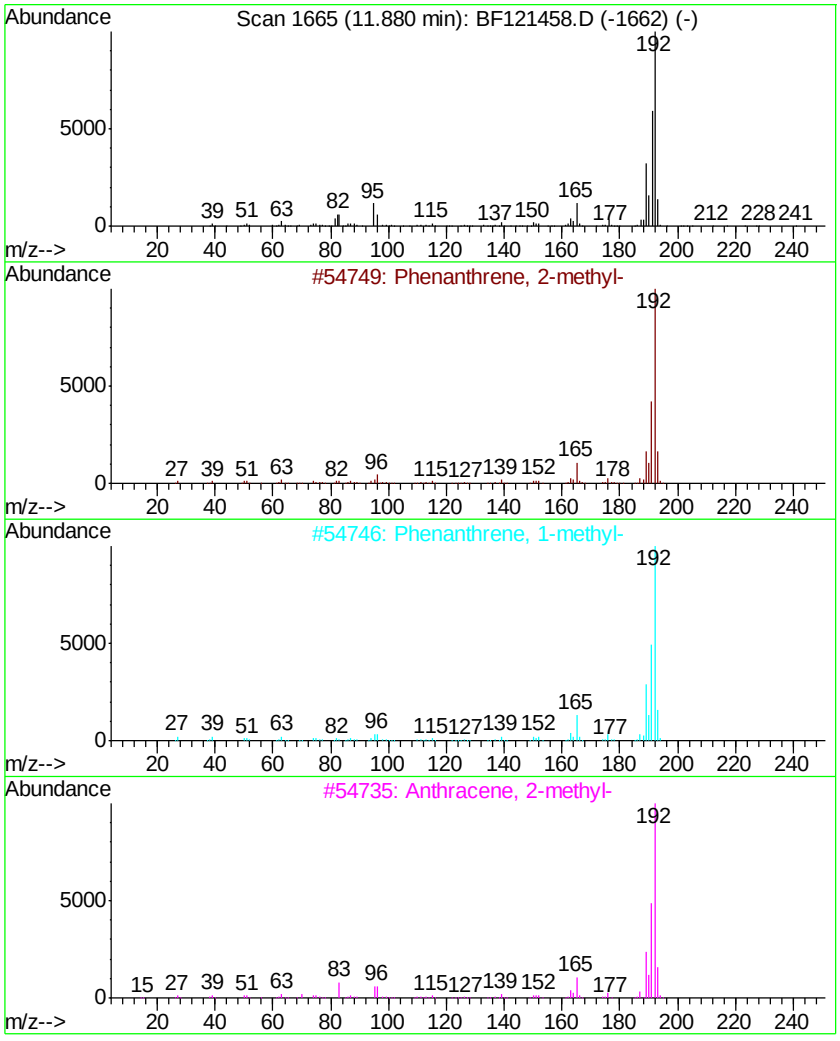
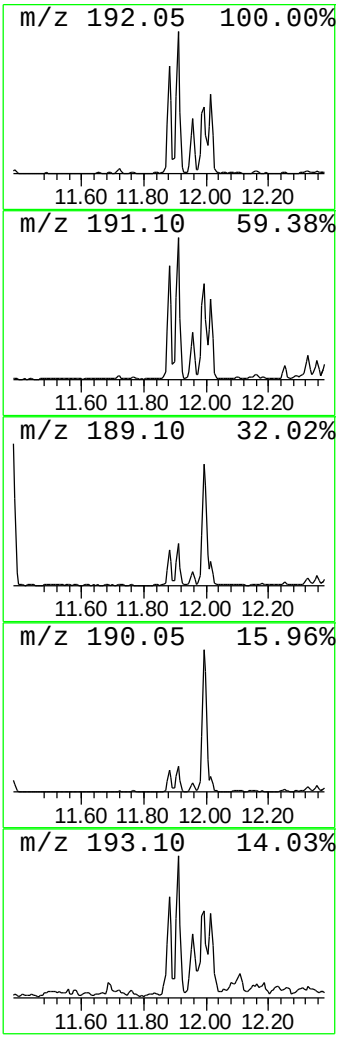
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	3.65 ng	518771	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





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Sample : L3507-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-082720

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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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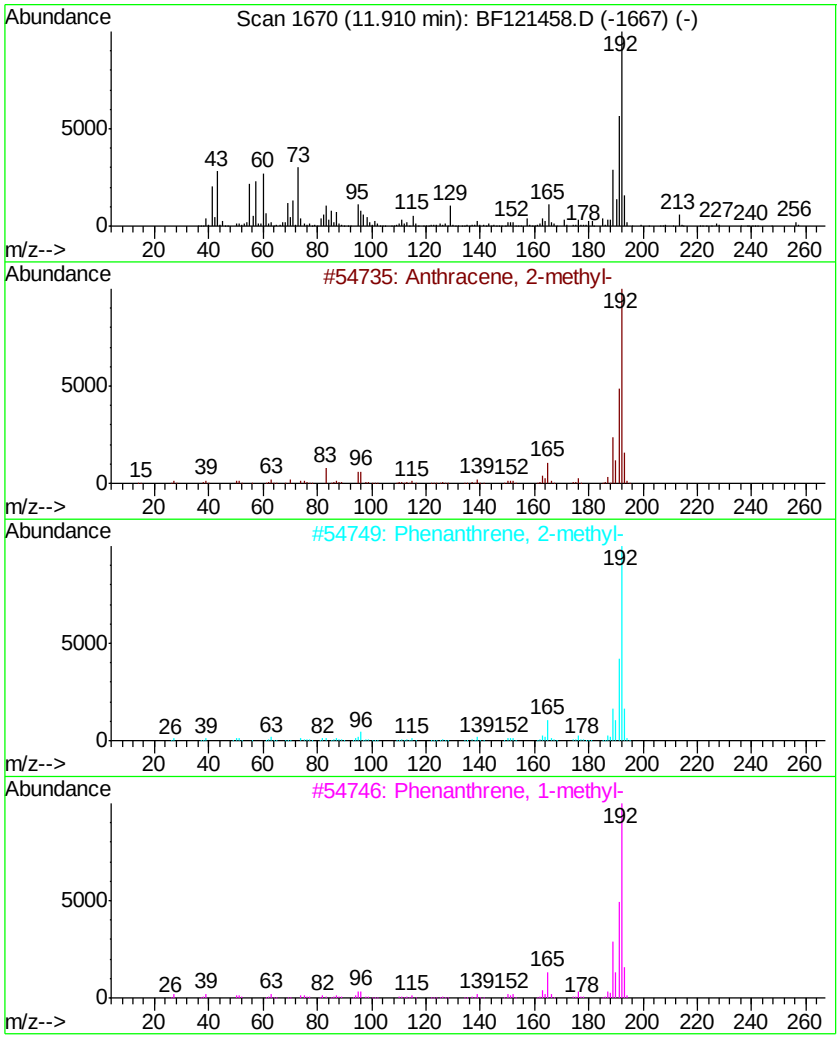
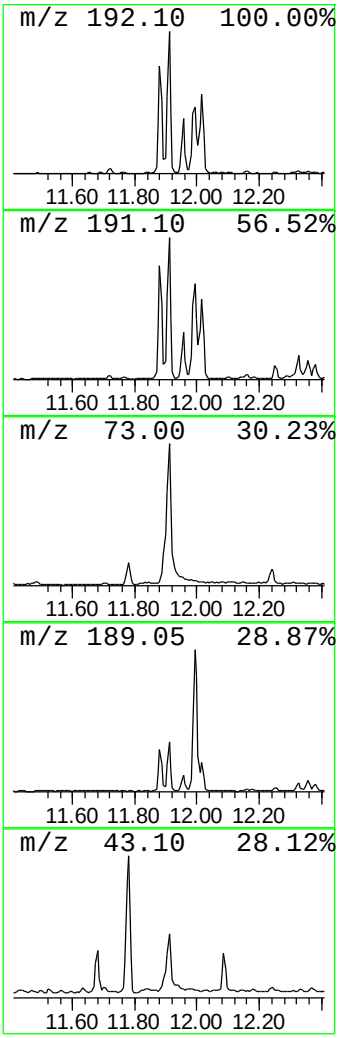
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	9.64 ng	1369120	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Operator : JU/CG
Sample : L3507-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-082720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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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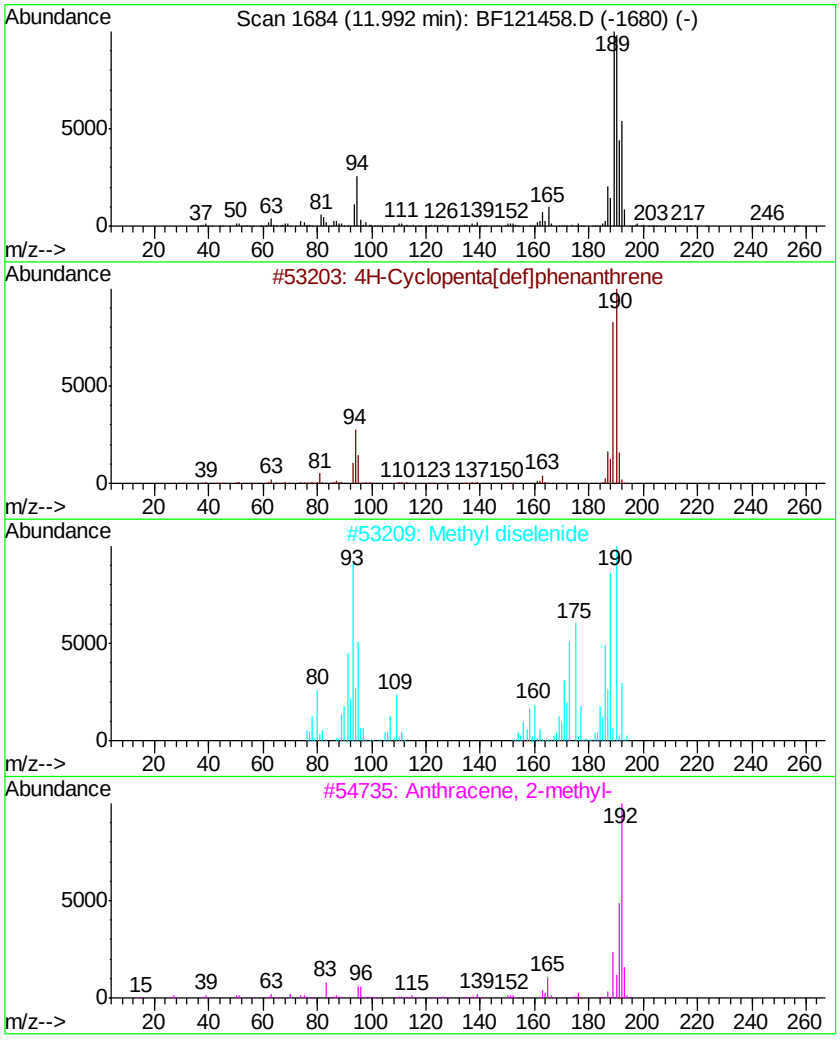
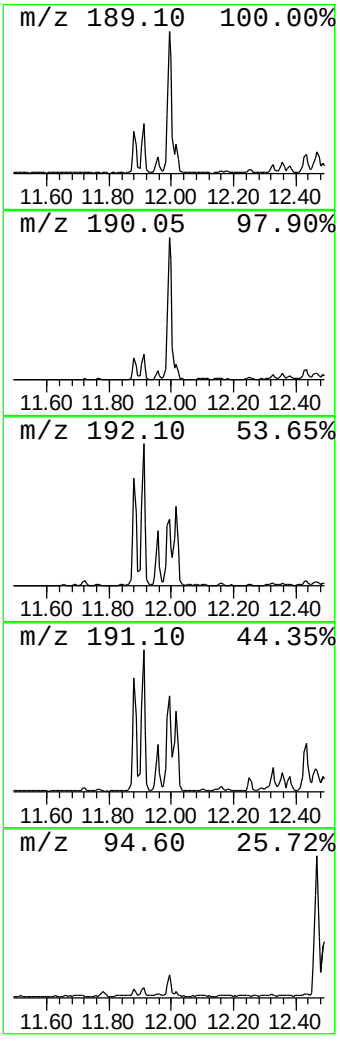
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	6.72 ng	954449	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Methyl diselenide	190	C2H6Se2	007101-31-7	38
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	25
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	18





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Acq On : 28 Aug 2020 14:21
Operator : JU/CG
Sample : L3507-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-082720

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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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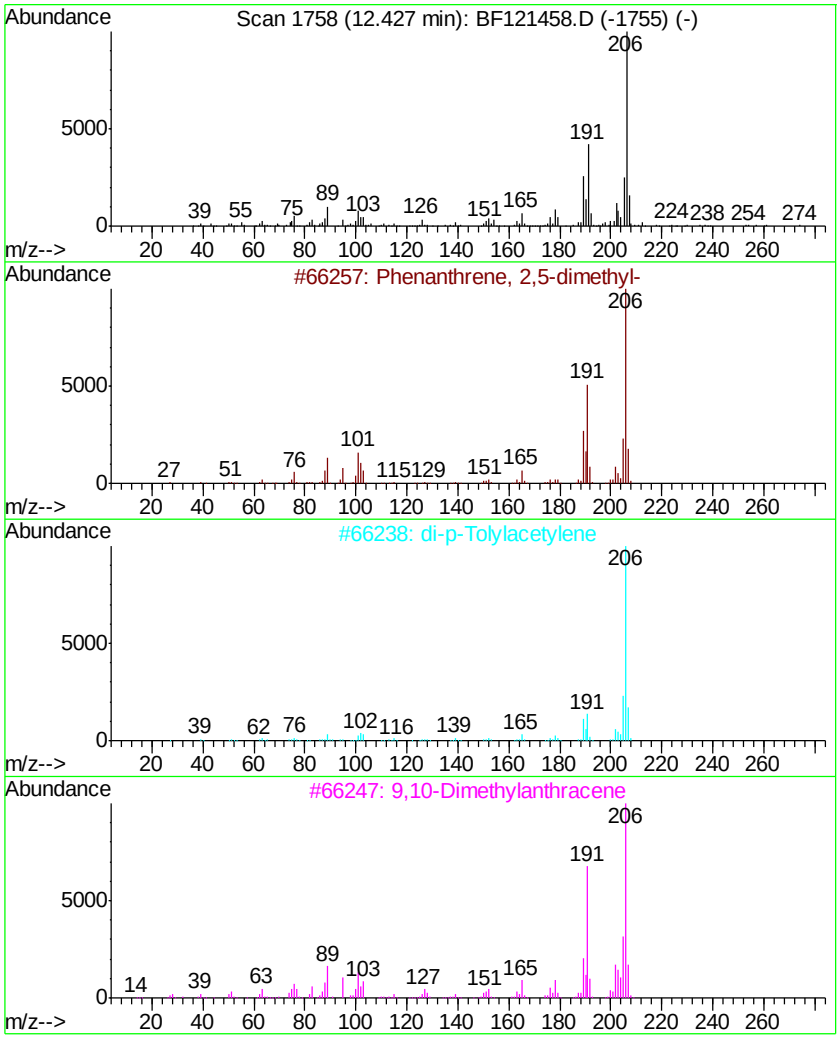
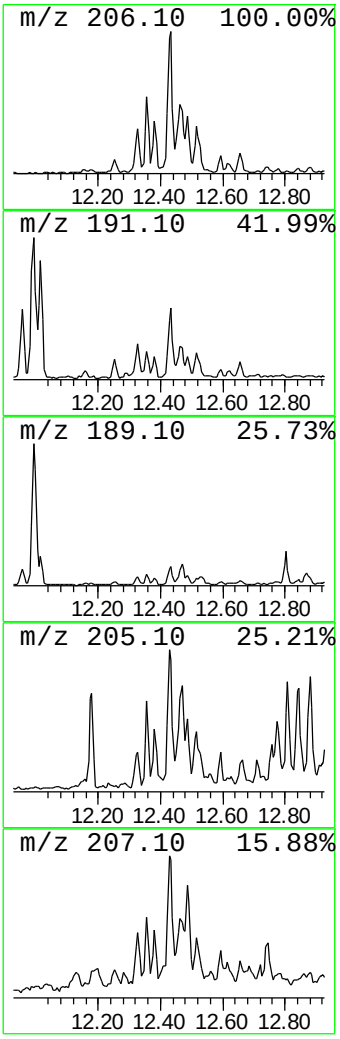
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	2.48 ng	351977	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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Operator : JU/CG
Sample : L3507-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-082720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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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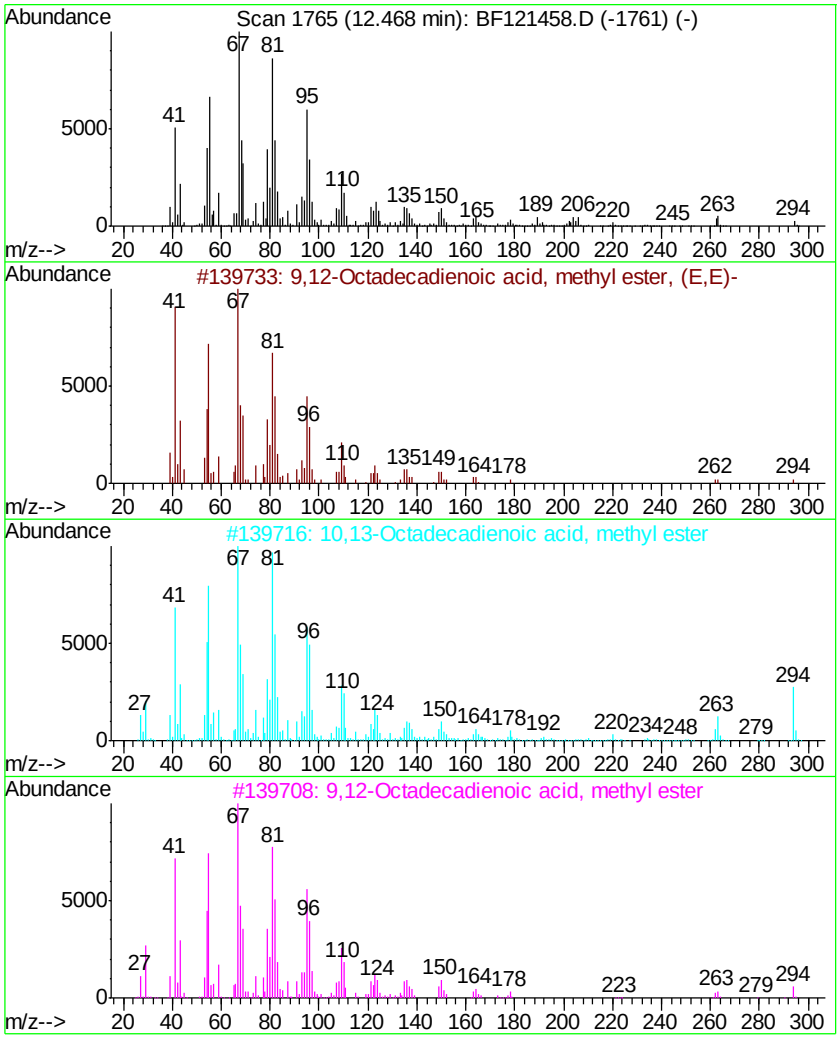
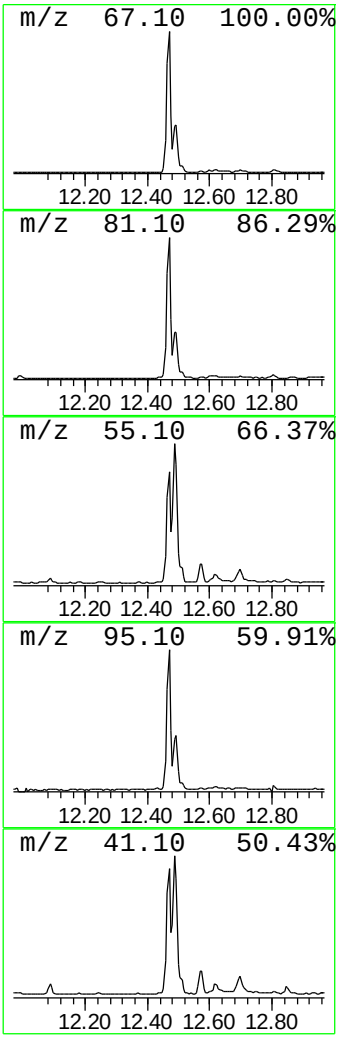
Peak Number 11 9,12-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	37.21 ng	5285550	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
3	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
4	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
5	8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	99





Library Search Compound Report

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Operator : JU/CG
Sample : L3507-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-082720

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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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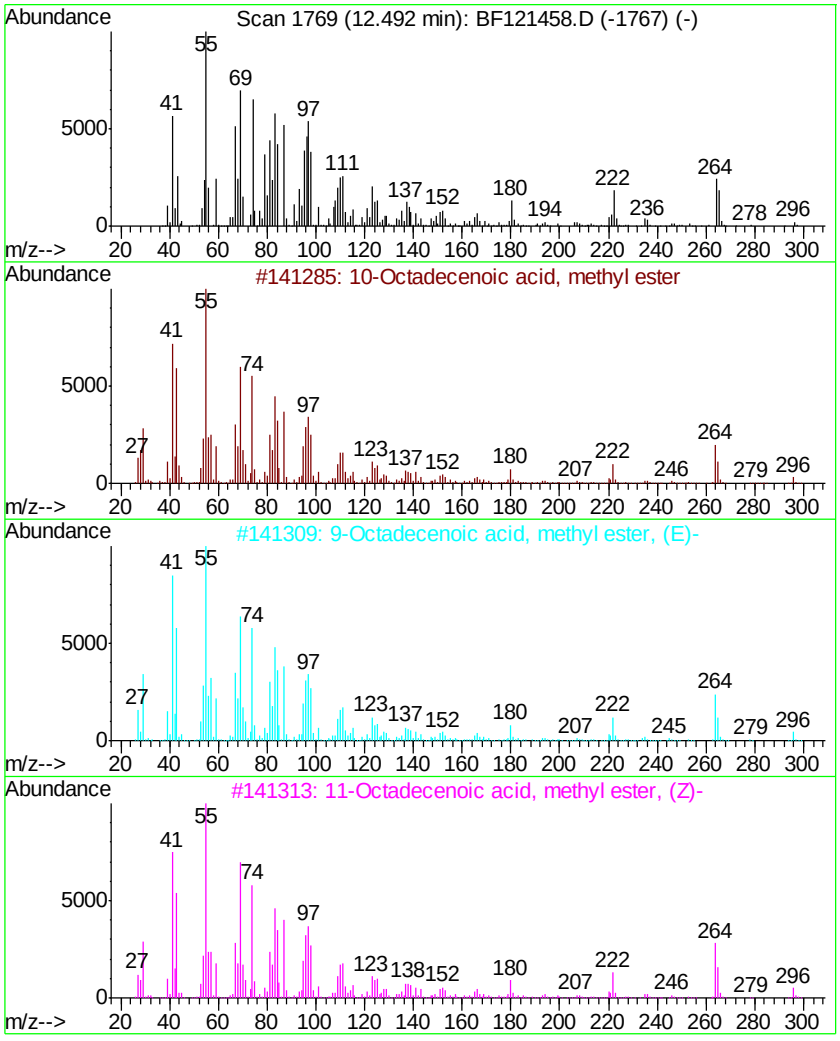
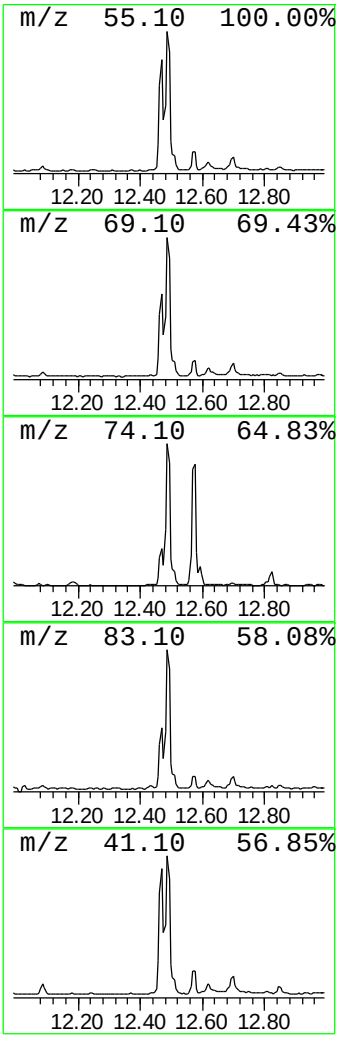
Peak Number 12 10-Octadecenoic acid, methy... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	30.59 ng	4344670	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	99
2	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	99
3	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
4	6-Octadecenoic acid, methyl ester	296	C19H36O2	052355-31-4	99
5	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	99





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Sample : L3507-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-082720

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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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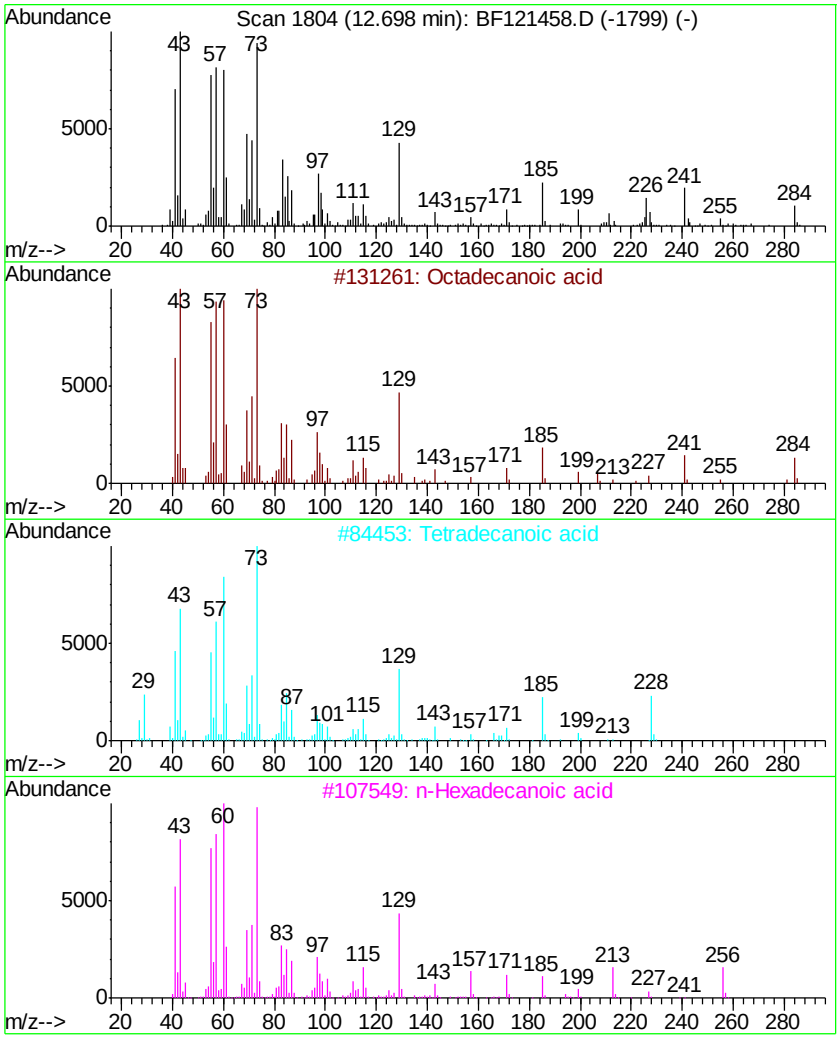
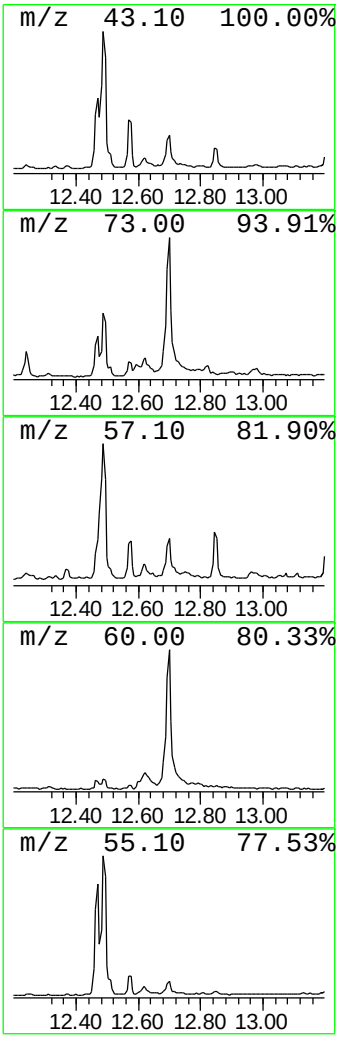
Peak Number 13 Octadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	4.69 ng	666189	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	68
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	68
5	n-Decanoic acid	172	C10H20O2	000334-48-5	58





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ClientSampleId : SU-03-082720

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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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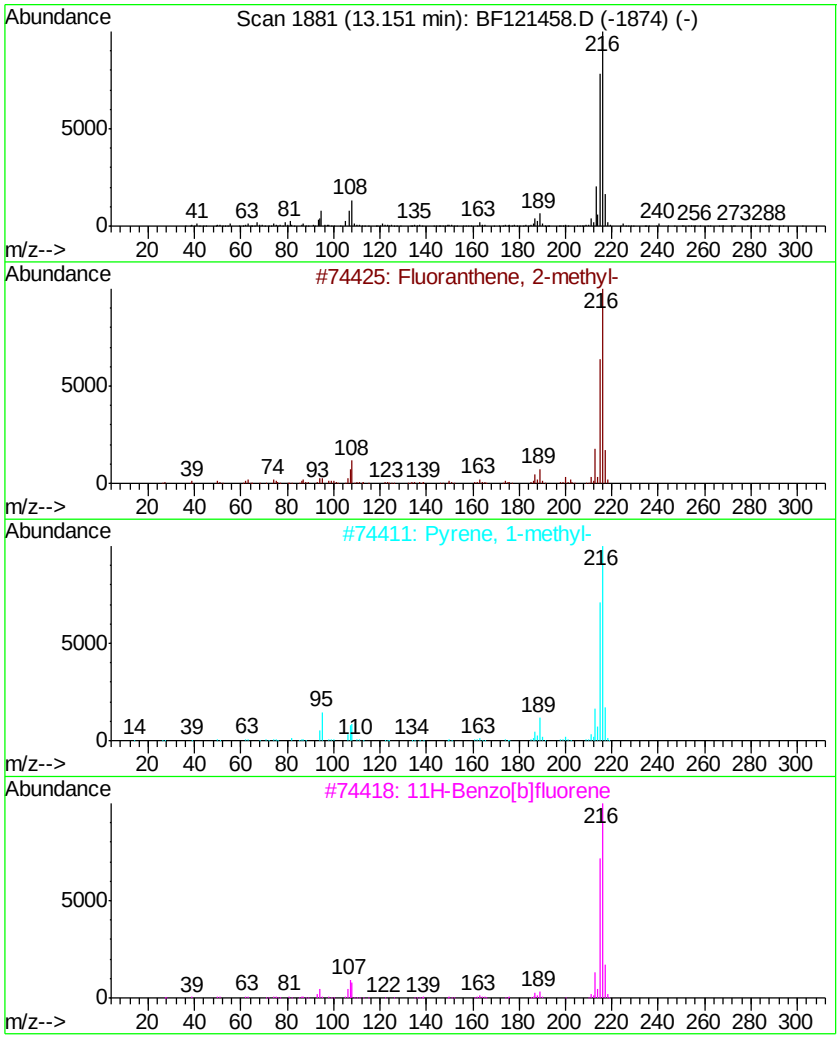
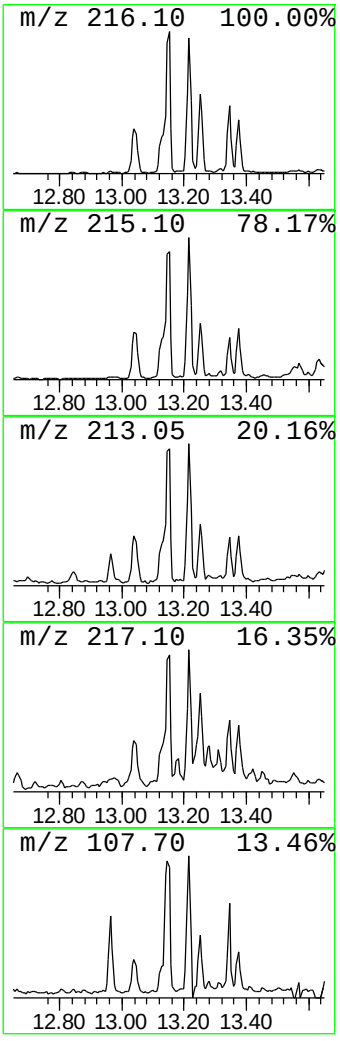
Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	4.52 ng	829707	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





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Sample : L3507-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-082720

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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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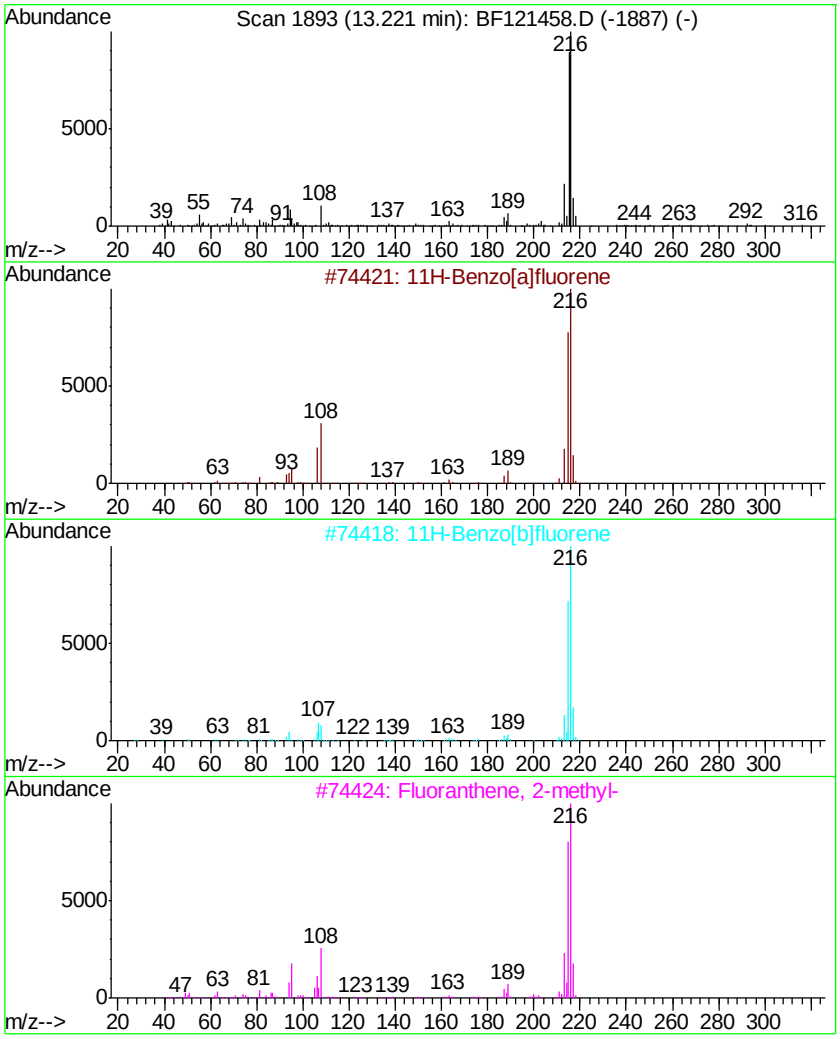
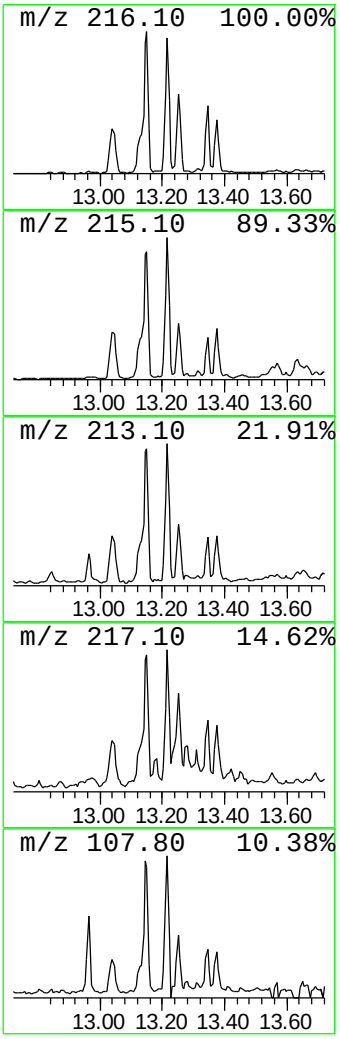
Peak Number 15 11H-Benzo[a]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	3.81 ng	699411	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	52





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Sample : L3507-13 5X
Misc :
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Instrument : BNA_F
ClientSampleId : SU-03-082720

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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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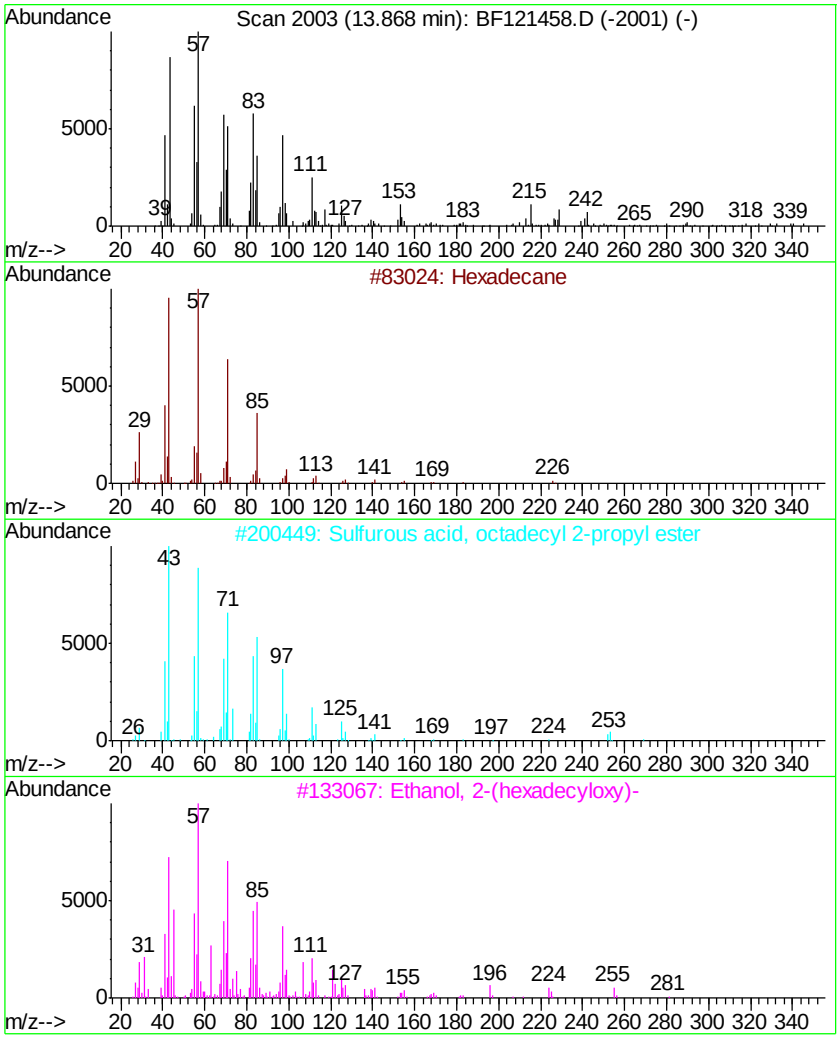
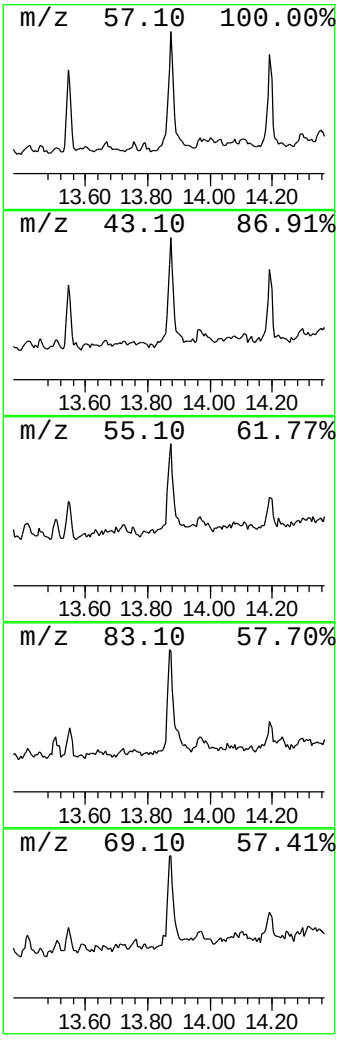
Peak Number 16 Hexadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	2.38 ng	435996	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	90
3	Ethanol, 2-(hexadecyloxy)-	286	C18H38O2	002136-71-2	83
4	Nonadecane	268	C19H40	000629-92-5	68
5	Oxalic acid, isobutyl pentadecyl...	356	C21H40O4	1000309-38-0	68





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Acq On : 28 Aug 2020 14:21
Operator : JU/CG
Sample : L3507-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-082720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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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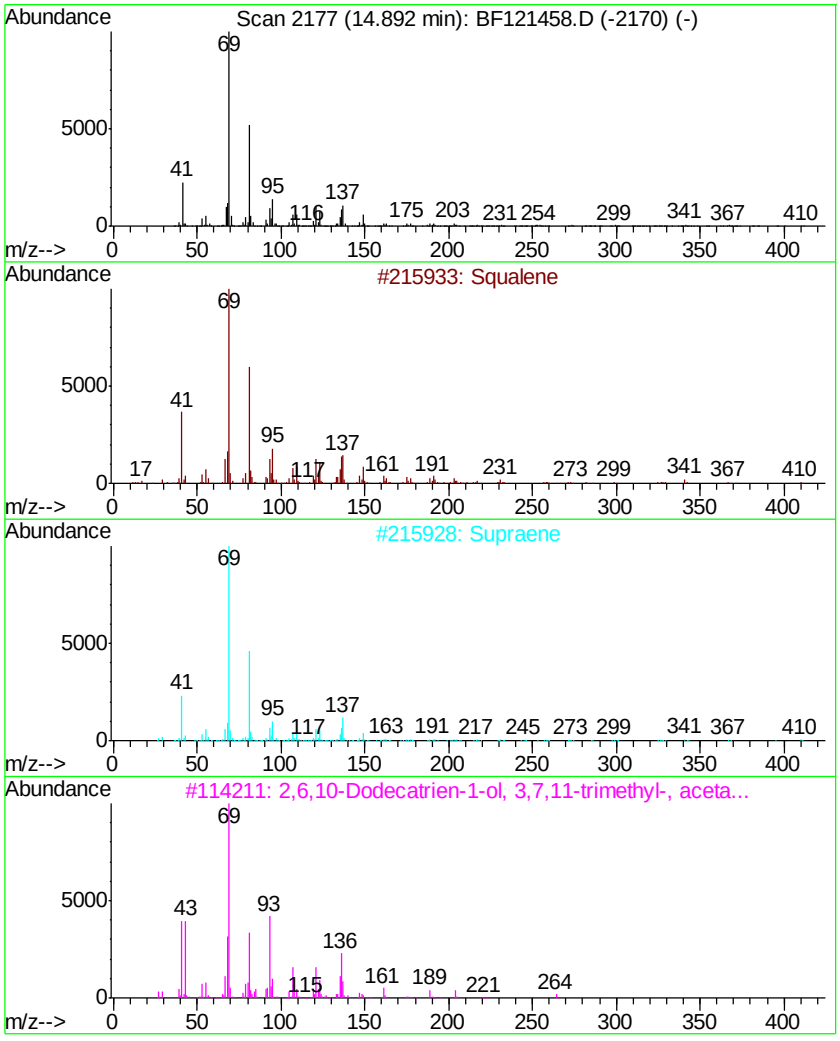
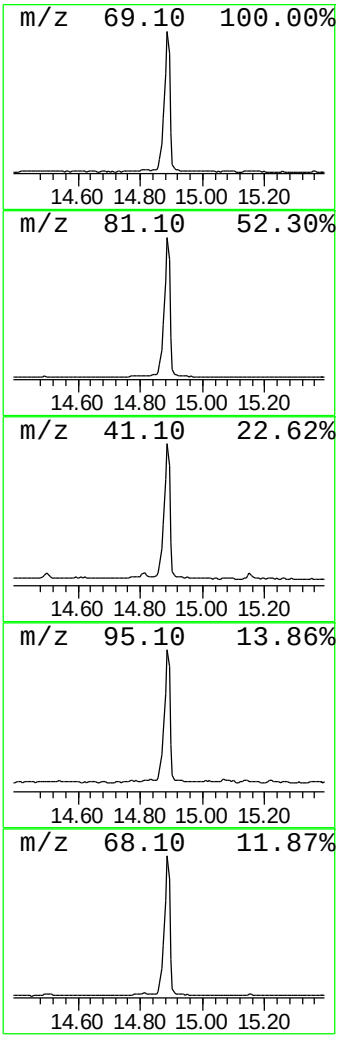
Peak Number 17 Squalene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	49.59 ng	4783110	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	95
2	Supraene	410	C30H50	007683-64-9	91
3	2,6,10-Dodecatrien-1-ol, 3,7,11-...	264	C17H28O2	004128-17-0	64
4	2,3,5-Trimethyl-2,3,5-hexanetric...	203	C12H17N3	003974-79-6	50
5	2,6-Octadiene, 4-methyl-	124	C9H16	074498-94-5	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082820\
Data File : BF121458.D
Acq On : 28 Aug 2020 14:21
Operator : JU/CG
Sample : L3507-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-082720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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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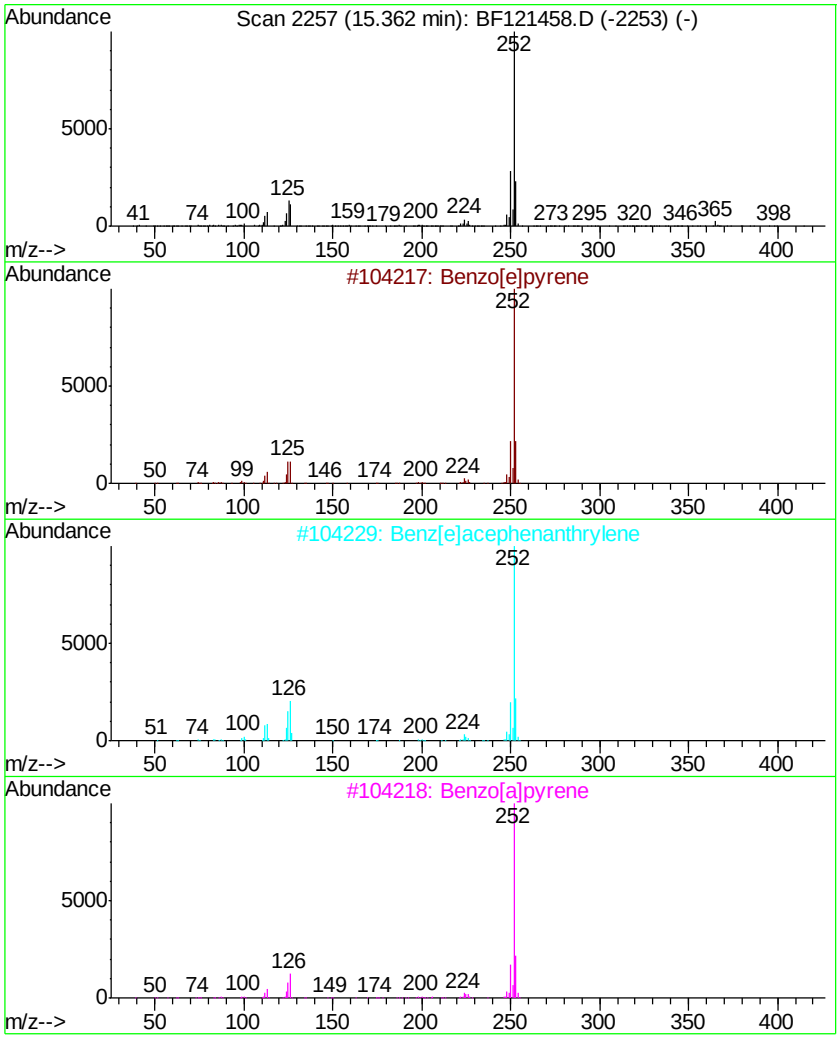
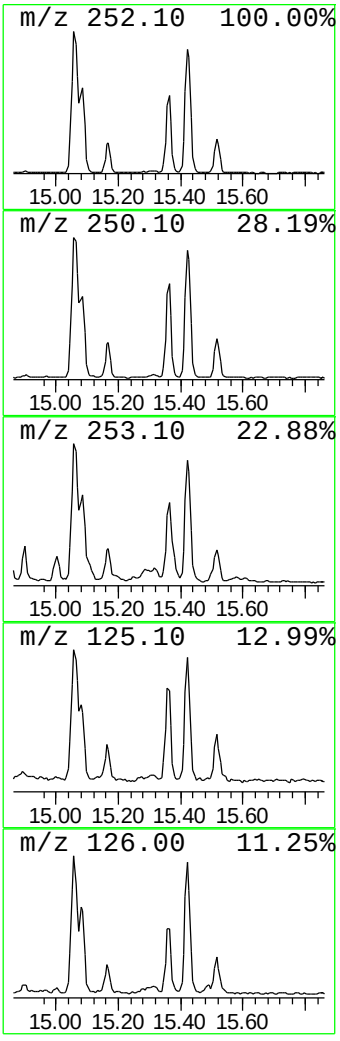
Peak Number 19 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	6.87 ng	662655	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Perylene	252	C20H12	000198-55-0	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082820\
Data File : BF121458.D
Acq On : 28 Aug 2020 14:21
Operator : JU/CG
Sample : L3507-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-082720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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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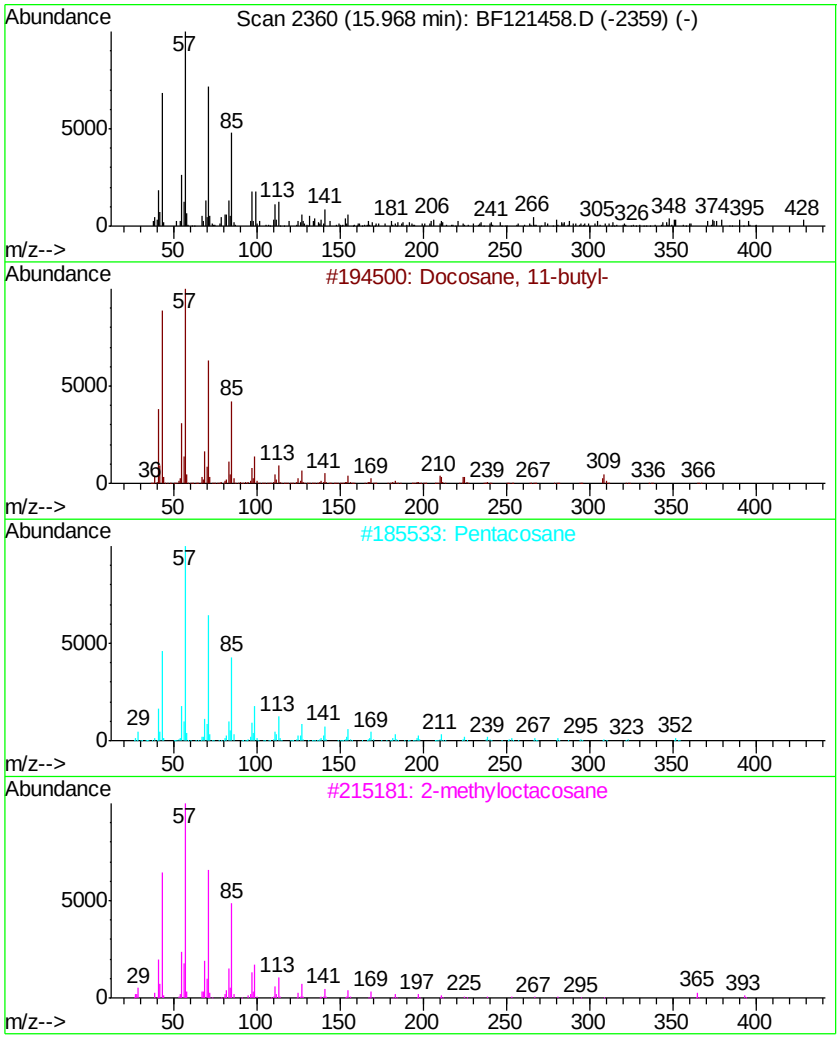
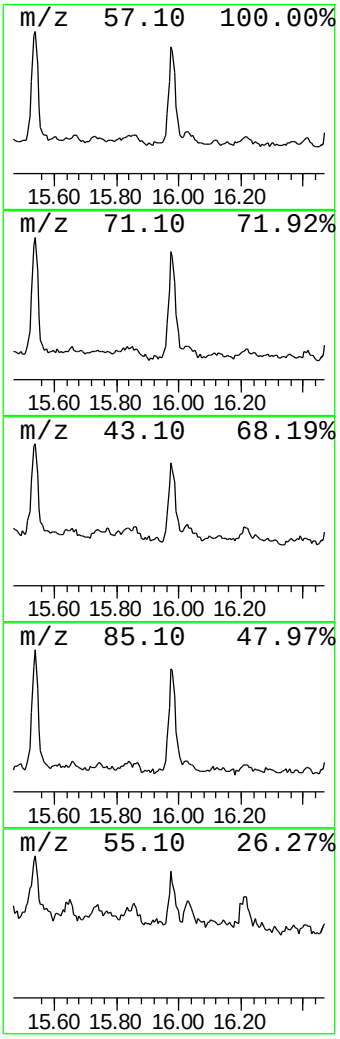
Peak Number 20 Docosane, 11-butyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	2.44 ng	235794	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane, 11-butyl-	366	C26H54	013475-76-8	91
2	Pentacosane	352	C25H52	000629-99-2	87
3	2-methyloctacosane	408	C29H60	1000376-72-8	87
4	Docosane, 5-butyl-	366	C26H54	055282-16-1	87
5	Hexadecane, 3-methyl-	240	C17H36	006418-43-5	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082820\
Data File : BF121458.D
Acq On : 28 Aug 2020 14:21
Operator : JU/CG
Sample : L3507-13 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-03-082720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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
Butane, 2-methoxy...	2.13	24.4	ng	2274470	1	6.86	1866900	20.0
Naphthalene, 1,6-...	9.55	2.6	ng	379044	3	9.90	2901620	20.0
Tridecane	10.80	3.6	ng	517989	4	11.38	2841020	20.0
Tridecane, 1-iodo-	11.25	2.5	ng	351896	4	11.38	2841020	20.0
Dibenzothiophene	11.27	2.9	ng	408132	4	11.38	2841020	20.0
Hexadecanoic acid...	11.78	13.7	ng	1950320	4	11.38	2841020	20.0
Phenanthrene, 2-m...	11.88	3.6	ng	518771	4	11.38	2841020	20.0
Anthracene, 2-met...	11.91	9.6	ng	1369120	4	11.38	2841020	20.0
4H-Cyclopenta[def...	11.99	6.7	ng	954449	4	11.38	2841020	20.0
Phenanthrene, 2,5...	12.43	2.5	ng	351977	4	11.38	2841020	20.0
9,12-Octadecadien...	12.47	37.2	ng	5285550	4	11.38	2841020	20.0
10-Octadecenoic a...	12.49	30.6	ng	4344670	4	11.38	2841020	20.0
Octadecanoic acid	12.70	4.7	ng	666189	4	11.38	2841020	20.0
Fluoranthene, 2-m...	13.15	4.5	ng	829707	5	14.02	3669390	20.0
11H-Benzo[a]fluorene	13.22	3.8	ng	699411	5	14.02	3669390	20.0
Hexadecane	13.87	2.4	ng	435996	5	14.02	3669390	20.0
Squalene	14.89	49.6	ng	4783110	6	15.49	1928890	20.0
Benzo[e]pyrene	15.36	6.9	ng	662655	6	15.49	1928890	20.0
Docosane, 11-butyl-	15.97	2.4	ng	235794	6	15.49	1928890	20.0