LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
Data File : BF114490.D
Acq On : 22 May 2019 18:34
Operator : JU/SJ
Sample : K2641-11
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-051719

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-BF051019.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	5.457	570	573	602	rBV	2179838	3338498	94.51%	4.258%
2	6.475	742	746	764	rBV	3244690	3469230	98.21%	4.424%
3	6.604	764	768	775	rVV	3570184	3261365	92.33%	4.159%
4	6.828	802	806	813	rBV	1249276	1040702	29.46%	1.327%
5	6.987	829	833	843	rBV	2758224	2590862	73.35%	3.304%
6	7.392	898	902	913	rBV	2097201	2098479	59.41%	2.676%
7	8.110	1018	1024	1033	rBV	1466203	1484161	42.02%	1.893%
8	8.775	1133	1137	1143	rVB4	31621	50236	1.42%	0.064%
9	8.828	1143	1146	1153	rBV	354377	350923	9.93%	0.448%
10	8.922	1158	1162	1169	rBV	350228	330030	9.34%	0.421%
11	9.186	1203	1207	1216	rVV	3733333	3532394	100.00%	4.505%
12	9.263	1217	1220	1222	rVV2	52414	51438	1.46%	0.066%
13	9.286	1222	1224	1230	rVB	103251	98354	2.78%	0.125%
14	9.380	1238	1240	1246	rVB	66769	73097	2.07%	0.093%
15	9.451	1248	1252	1257	rBV	148024	214965	6.09%	0.274%
16	9.522	1261	1264	1267	rVV	244868	263465	7.46%	0.336%
17	9.551	1267	1269	1271	rVV	147570	134548	3.81%	0.172%
18	9.575	1271	1273	1281	rVV	406282	421868	11.94%	0.538%
19	9.639	1281	1284	1293	rVB	100525	140418	3.98%	0.179%
20	9.727	1296	1299	1302	rVV	85528	82103	2.32%	0.105%
21	9.863	1316	1322	1325	rBV	1601168	1447508	40.98%	1.846%
22	9.898	1325	1328	1332	rVB	1214578	1062366	30.07%	1.355%
23	9.969	1337	1340	1344	rVB3	42552	70722	2.00%	0.090%
24	10.022	1345	1349	1351	rBV2	84901	80400	2.28%	0.103%
25	10.069	1353	1357	1361	rBV	503283	482924	13.67%	0.616%
26	10.110	1361	1364	1369	rVB2	68382	70391	1.99%	0.090%
27	10.180	1373	1376	1379	rBV2	55659	74784	2.12%	0.095%
28	10.286	1392	1394	1397	rVB	82273	74415	2.11%	0.095%
29	10.410	1412	1415	1422	rVB	585319	574091	16.25%	0.732%
30	10.498	1428	1430	1433	rVB2	82791	72494	2.05%	0.092%
31	10.569	1440	1442	1445	rVB	109496	95471	2.70%	0.122%
32	10.657	1453	1457	1463	rBV	1986281	2013418	57.00%	2.568%
33	10.763	1472	1475	1476	rBV	73579	65747	1.86%	0.084%
34	10.963	1504	1509	1512	rBV2	80234	103176	2.92%	0.132%

LSC Area Percent Report

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Acq On : 22 May 2019 18:34
Operator : JU/SJ
Sample : K2641-11
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-051719

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-BF051019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.045	1521	1523	1526	rVB	49707	37356	1.06%	0.048%
36	11.086	1526	1530	1532	rVV3	42417	61762	1.75%	0.079%
37	11.110	1532	1534	1539	rVV2	45075	61762	1.75%	0.079%
38	11.163	1541	1543	1547	rVV	54443	55813	1.58%	0.071%
39	11.210	1547	1551	1553	rVV2	102612	123294	3.49%	0.157%
40	11.245	1553	1557	1562	rVB	184989	223320	6.32%	0.285%
41	11.351	1571	1575	1577	rBV	1494897	1357140	38.42%	1.731%
42	11.374	1577	1579	1583	rVV	2519412	2232475	63.20%	2.847%
43	11.427	1585	1588	1592	rVV	877334	753905	21.34%	0.961%
44	11.469	1593	1595	1600	rVB2	53522	71617	2.03%	0.091%
45	11.586	1611	1615	1621	rBV	246963	269012	7.62%	0.343%
46	11.639	1621	1624	1627	rVB2	76209	78630	2.23%	0.100%
47	11.769	1642	1646	1648	rBV2	35770	49159	1.39%	0.063%
48	11.851	1657	1660	1662	rBV	243416	282761	8.00%	0.361%
49	11.880	1662	1665	1671	rVB2	1150245	1259623	35.66%	1.606%
50	11.933	1671	1674	1676	rVB	129303	117401	3.32%	0.150%
51	11.969	1676	1680	1682	rBV	560432	540116	15.29%	0.689%
52	12.039	1689	1692	1695	rBV	129120	119193	3.37%	0.152%
53	12.145	1707	1710	1714	rBV	176711	155180	4.39%	0.198%
54	12.186	1714	1717	1720	rVB2	77927	71446	2.02%	0.091%
55	12.327	1738	1741	1743	rBV	75055	69099	1.96%	0.088%
56	12.357	1743	1746	1750	rVB2	47935	42351	1.20%	0.054%
57	12.404	1750	1754	1756	rBV	144043	150378	4.26%	0.192%
58	12.427	1756	1758	1762	rVV3	91533	146915	4.16%	0.187%
59	12.498	1766	1770	1773	rBV2	131301	160770	4.55%	0.205%
60	12.569	1778	1782	1785	rBV	3252660	2889527	81.80%	3.685%
61	12.598	1785	1787	1791	rVV2	173646	168247	4.76%	0.215%
62	12.633	1791	1793	1794	rVV2	53480	43700	1.24%	0.056%
63	12.657	1794	1797	1802	rVV	502834	540285	15.30%	0.689%
64	12.721	1804	1808	1809	rVV	322365	432748	12.25%	0.552%
65	12.774	1809	1817	1818	rVV3	936533	2201035	62.31%	2.807%
66	12.798	1818	1821	1824	rVV	2613614	2541226	71.94%	3.241%
67	12.845	1827	1829	1833	rVB2	136666	143142	4.05%	0.183%
68	12.933	1838	1844	1847	rBV	2867333	2787307	78.91%	3.555%
69	12.963	1847	1849	1854	rVB	91676	97977	2.77%	0.125%
70	13.010	1854	1857	1861	rBV3	147254	256433	7.26%	0.327%
71	13.121	1869	1876	1879	rBV	396939	593916	16.81%	0.757%

LSC Area Percent Report

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Sample : K2641-11
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-051719

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.157	1879	1882	1883	rVV	76154	75098	2.13%	0.096%
73	13.192	1885	1888	1890	rVV	356514	325420	9.21%	0.415%
74	13.227	1890	1894	1901	rVV3	213117	334752	9.48%	0.427%
75	13.321	1907	1910	1913	rBV	158836	151486	4.29%	0.193%
76	13.357	1913	1916	1918	rBV	152232	191369	5.42%	0.244%
77	13.498	1938	1940	1943	rVB2	108650	83462	2.36%	0.106%
78	13.668	1961	1969	1978	rBV2	1073596	2259803	63.97%	2.882%
79	13.745	1979	1982	1984	rVV	257585	242523	6.87%	0.309%
80	13.768	1984	1986	1989	rVV	205585	185129	5.24%	0.236%
81	13.798	1989	1991	1993	rVV	186851	207516	5.87%	0.265%
82	13.821	1993	1995	1997	rVV2	304526	313227	8.87%	0.399%
83	13.851	1997	2000	2006	rVB2	371686	560849	15.88%	0.715%
84	13.992	2017	2024	2027	rBV2	1719772	2690920	76.18%	3.432%
85	14.021	2027	2029	2036	rVB	1162658	976692	27.65%	1.246%
86	14.104	2040	2043	2045	rVB	260907	217199	6.15%	0.277%
87	14.139	2046	2049	2056	rBV2	645918	731061	20.70%	0.932%
88	14.321	2075	2080	2086	rBV	869751	1605116	45.44%	2.047%
89	14.445	2098	2101	2105	rVB	1335986	1257750	35.61%	1.604%
90	14.751	2148	2153	2158	rVB	1744954	1933209	54.73%	2.465%
91	14.886	2173	2176	2182	rVB2	456849	727914	20.61%	0.928%
92	15.039	2199	2202	2205	rBV	914260	1267735	35.89%	1.617%
93	15.080	2205	2209	2217	rVB2	2239957	3076693	87.10%	3.924%
94	15.151	2218	2221	2232	rBV	237561	393281	11.13%	0.502%
95	15.345	2250	2254	2260	rVB	491162	595009	16.84%	0.759%
96	15.404	2261	2264	2268	rVV	653164	803402	22.74%	1.025%
97	15.457	2268	2273	2278	rBV2	1759240	2748634	77.81%	3.505%
98	15.880	2340	2345	2351	rBV	1240293	1899285	53.77%	2.422%
99	16.380	2425	2430	2443	rVB2	520754	1122740	31.78%	1.432%
100	16.956	2523	2528	2539	rVB2	441870	934540	26.46%	1.192%

Sum of corrected areas: 78412878

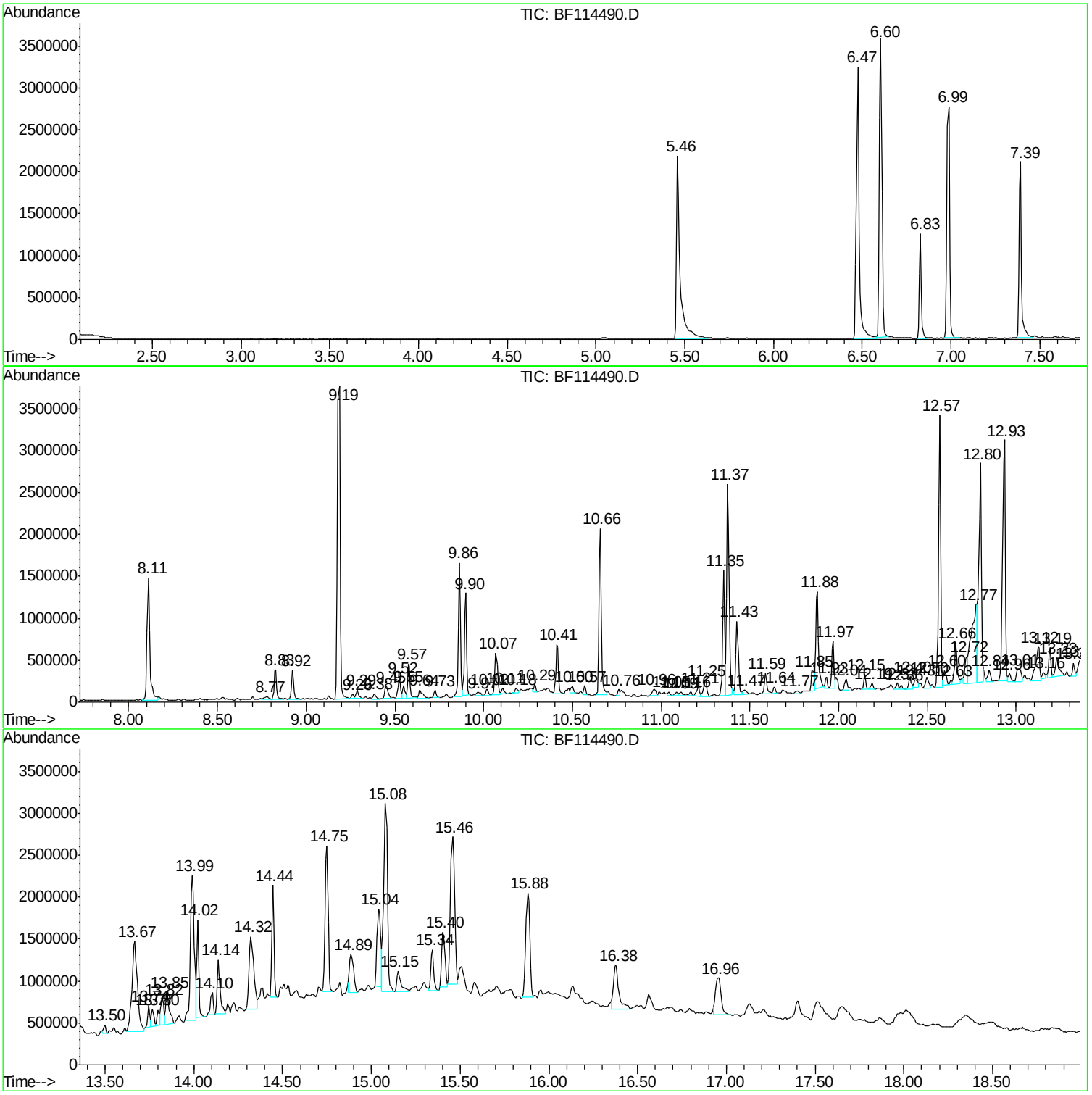
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
Data File : BF114490.D
Acq On : 22 May 2019 18:34
Operator : JU/SJ
Sample : K2641-11
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-051719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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\BF052219\
Data File : BF114490.D
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ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

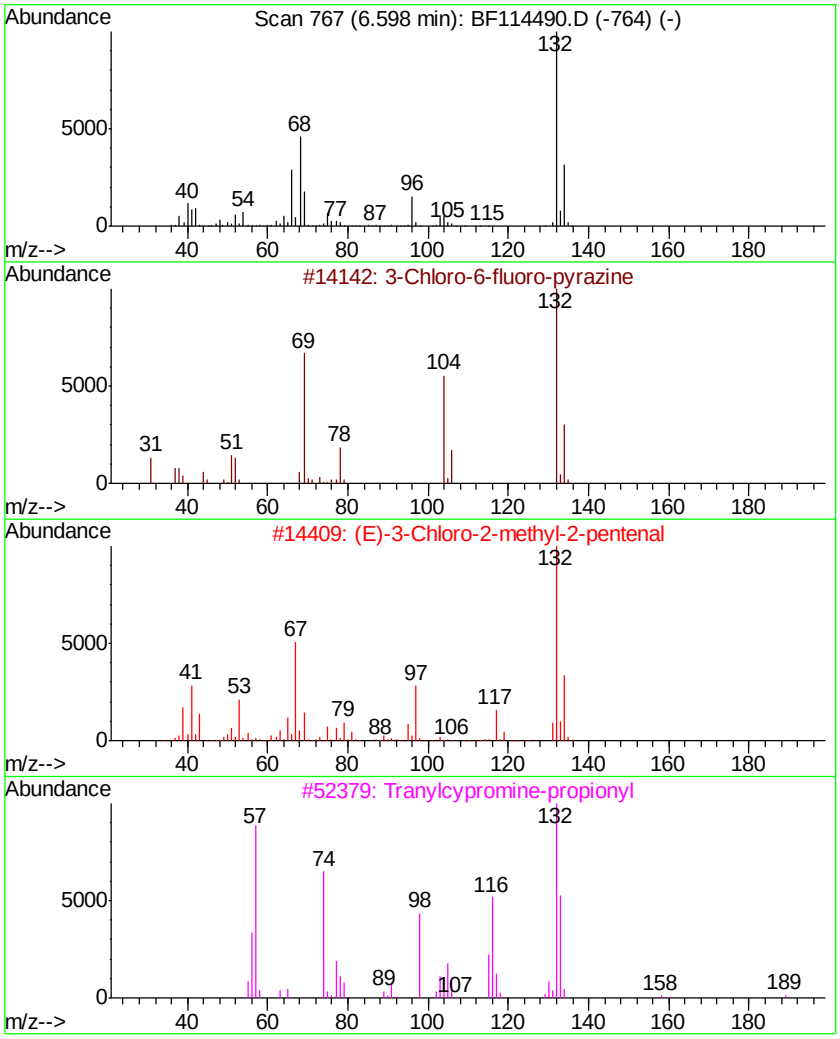
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

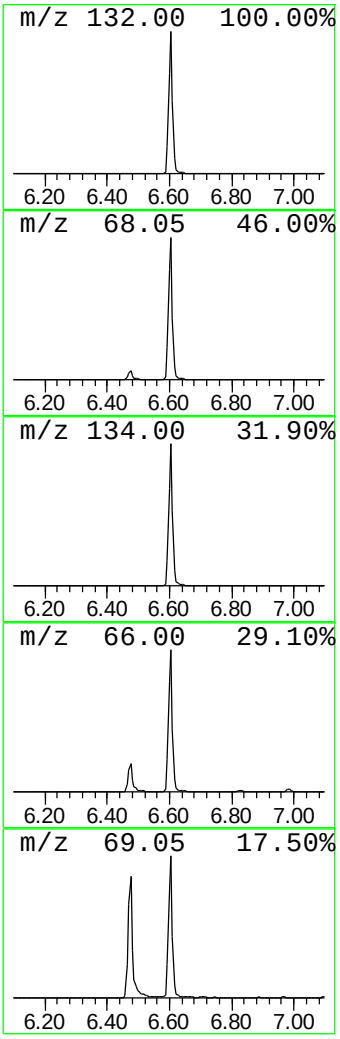
****

Peak Number 1 unknown6.60 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	62.68 ng	3261370	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
Data File : BF114490.D
Acq On : 22 May 2019 18:34
Operator : JU/SJ
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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-051719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

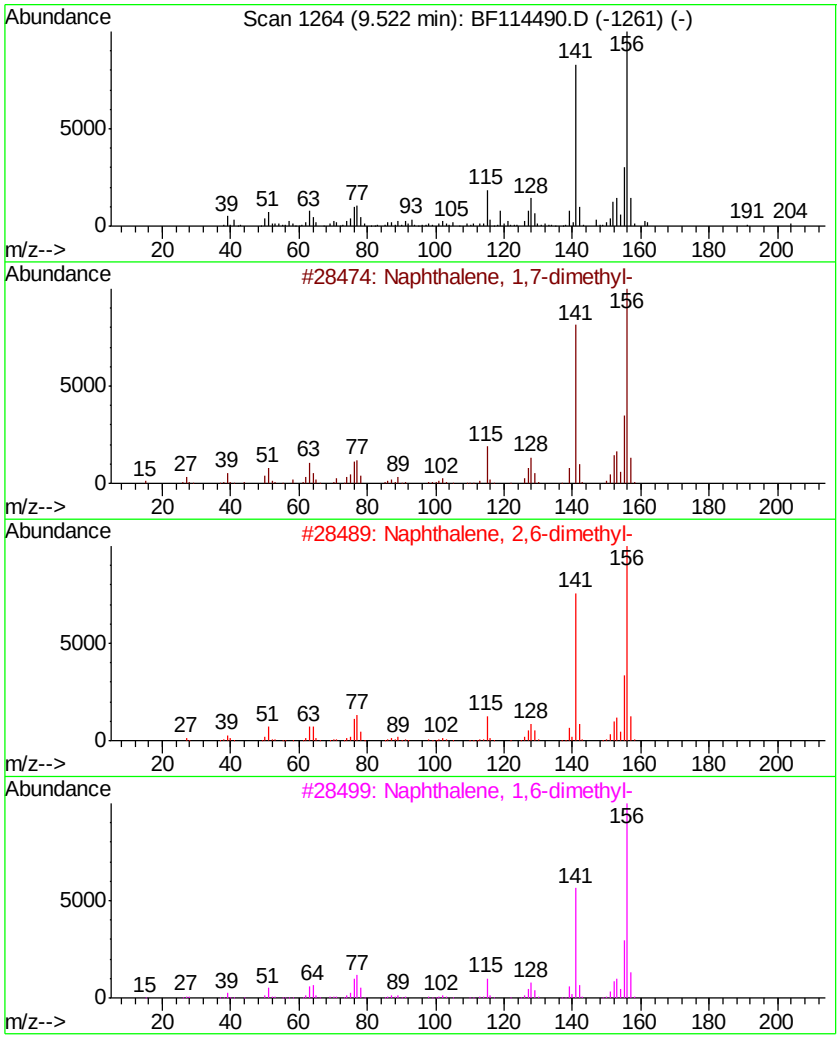
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

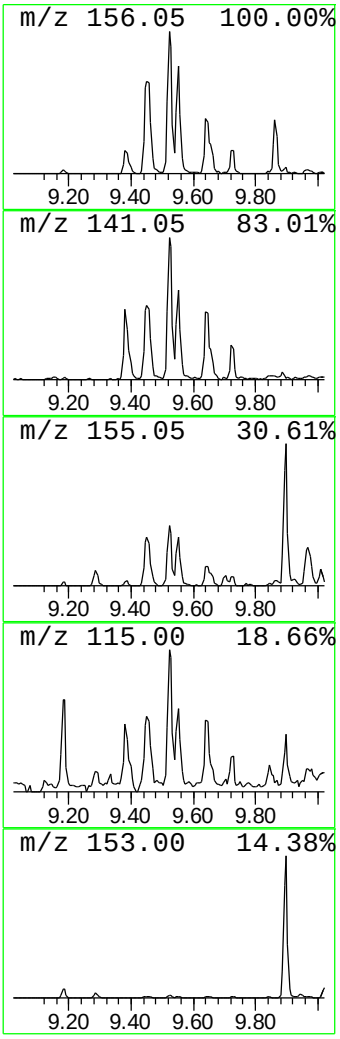
****

Peak Number 3 Naphthalene, 1,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	3.64 ng	263465	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : CL-02-051719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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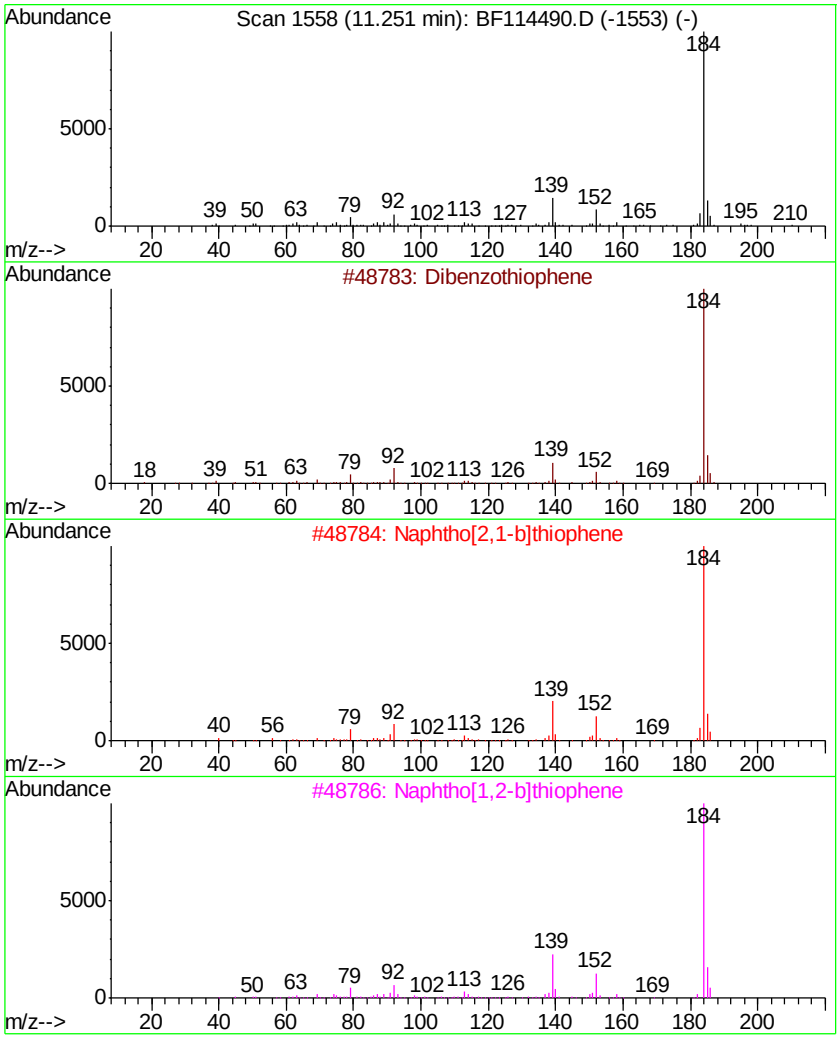
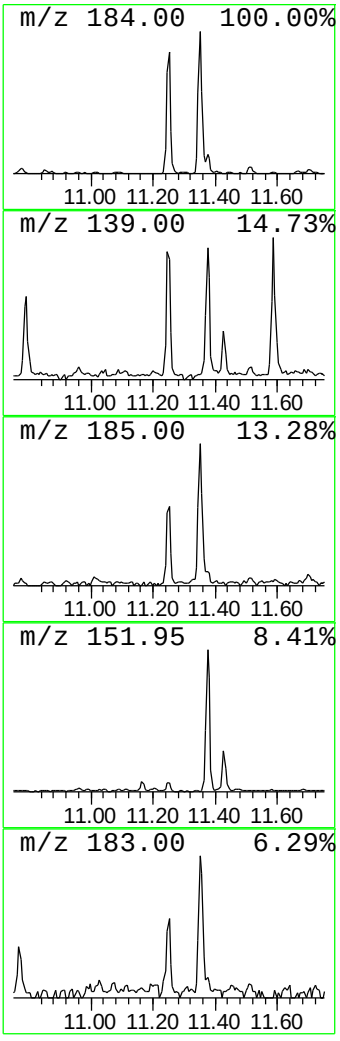
Peak Number 4 Dibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	3.29 ng	223320	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
Data File : BF114490.D
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Sample : K2641-11
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-051719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

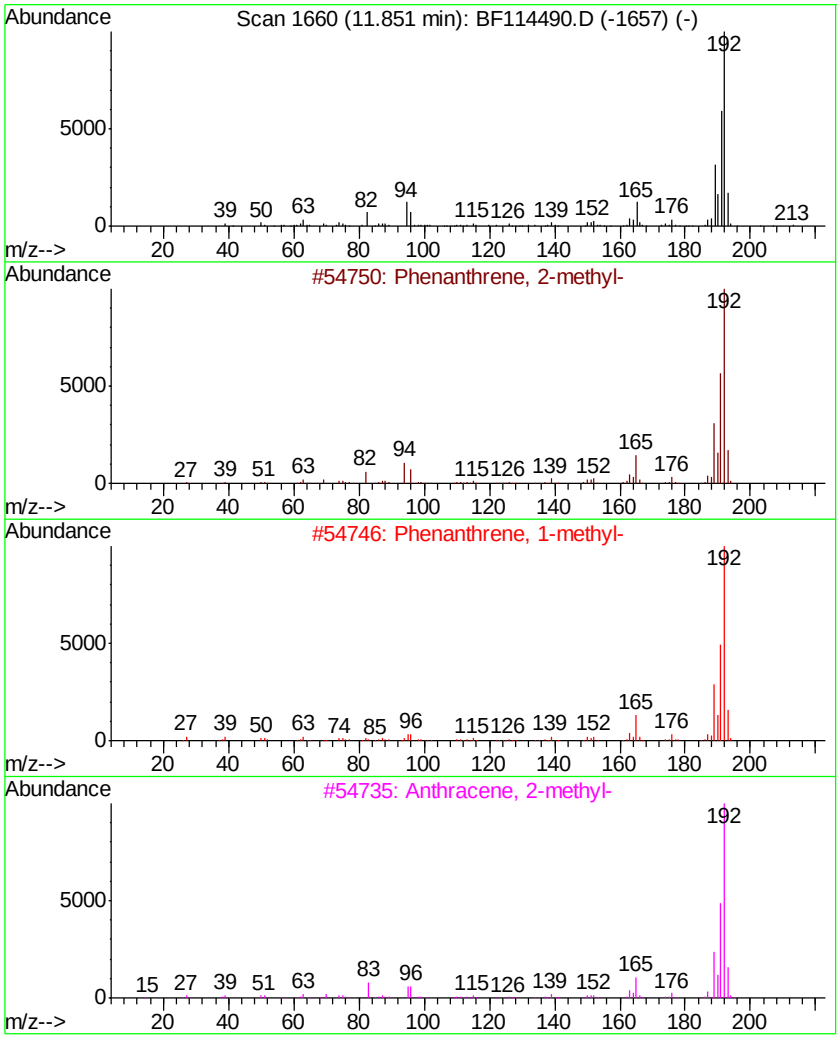
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

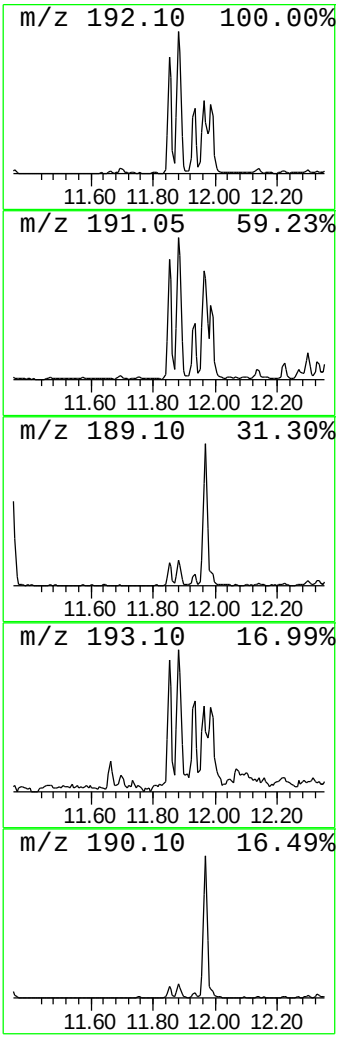
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	4.17 ng	282761	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
Data File : BF114490.D
Acq On : 22 May 2019 18:34
Operator : JU/SJ
Sample : K2641-11
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-051719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

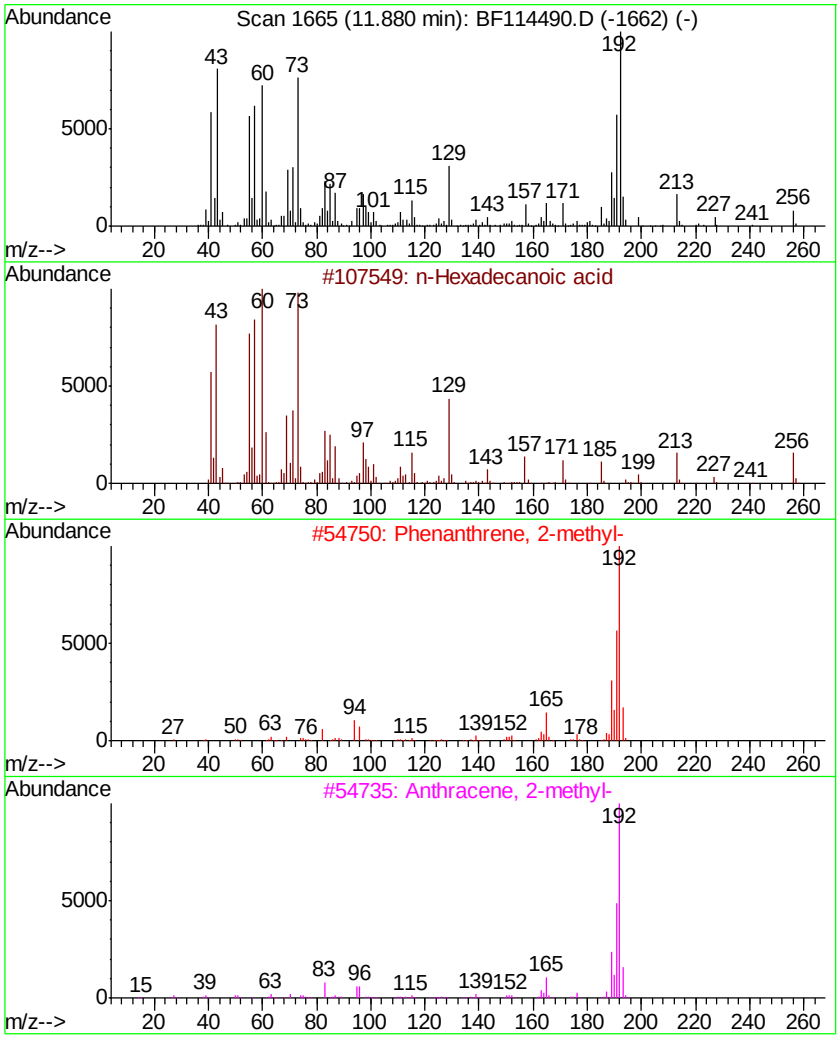
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

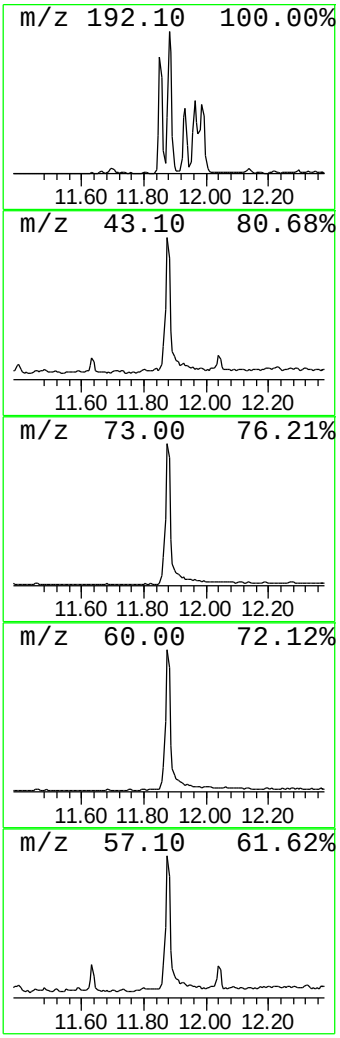
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	18.56 ng	1259620	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89





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Operator : JU/SJ
Sample : K2641-11
Misc :
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ClientSampleId : CL-02-051719

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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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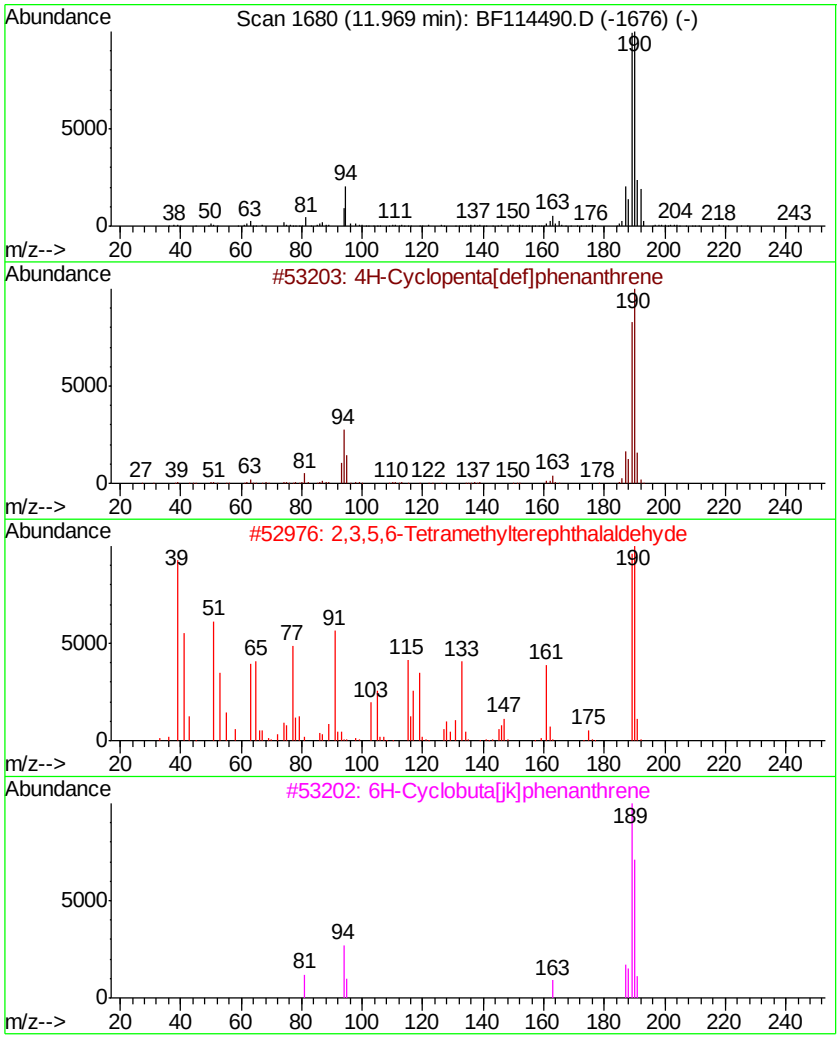
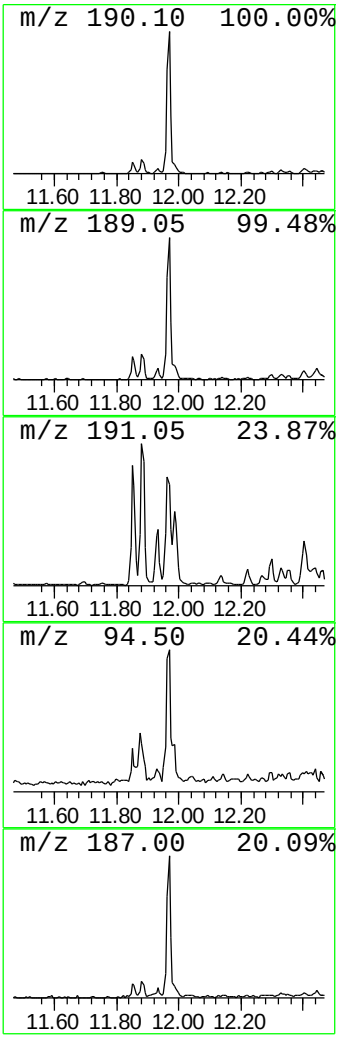
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	7.96 ng	540116	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40





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ClientSampleId : CL-02-051719

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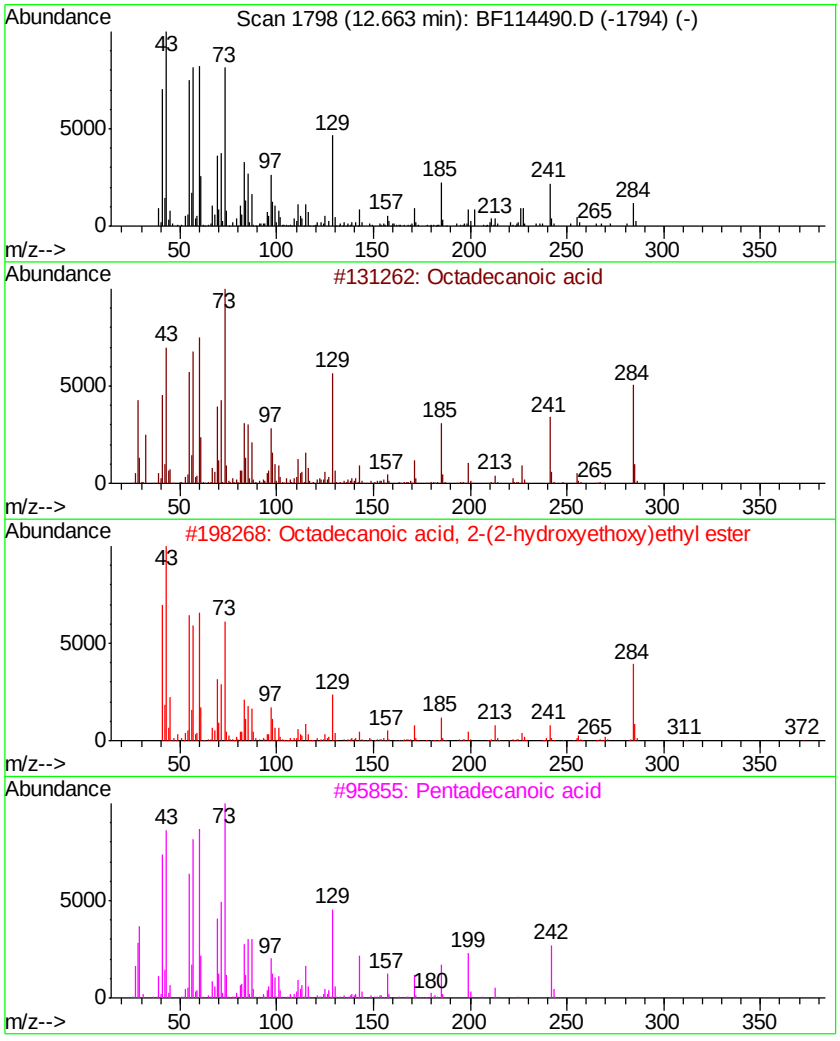
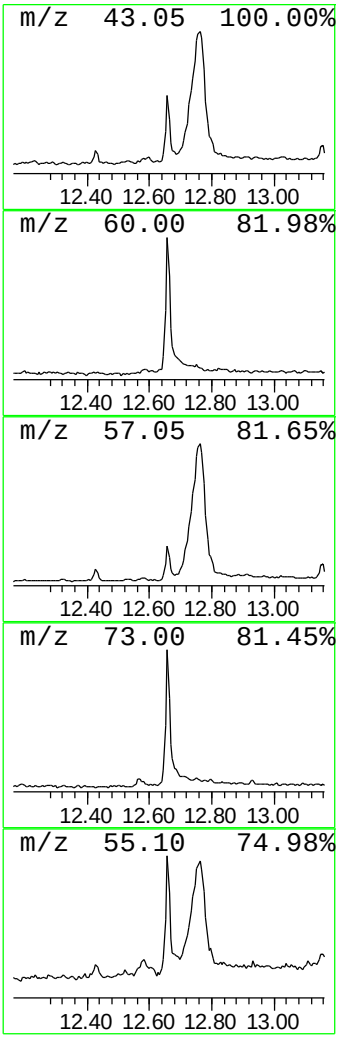
Peak Number 8 Octadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	7.96 ng	540285	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	87
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	76
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	70
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	68





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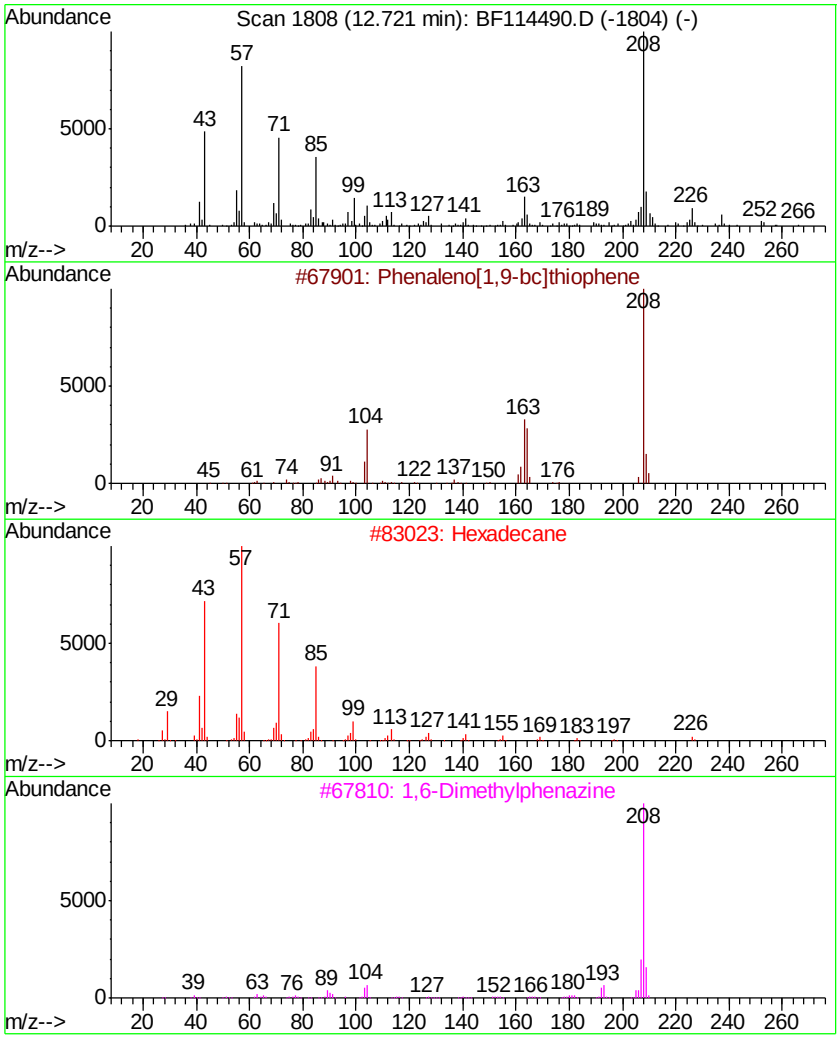
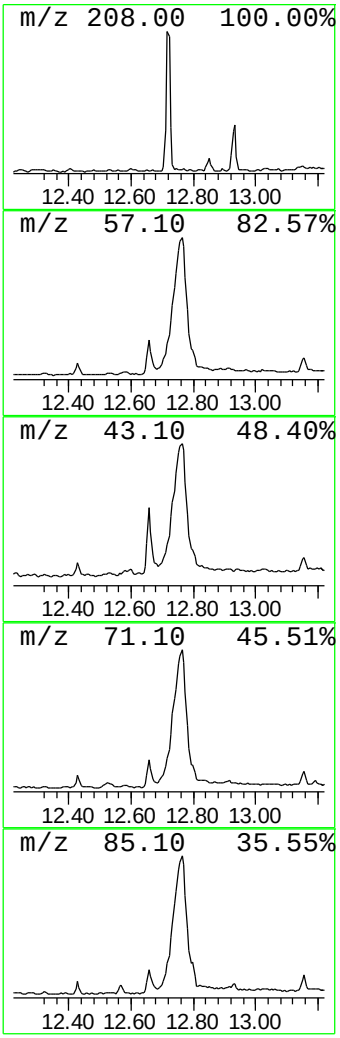
Peak Number 9 unknown12.72 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	3.22 ng	432748	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenaleno[1,9-bc]thiophene	208	C14H8S	079965-99-4	49
2	Hexadecane	226	C16H34	000544-76-3	48
3	1,6-Dimethylphenazine	208	C14H12N2	058718-43-7	43
4	Indole, 5-methyl-2-(4-pyridyl)-	208	C14H12N2	107919-92-6	41
5	Heptacosane	380	C27H56	000593-49-7	35





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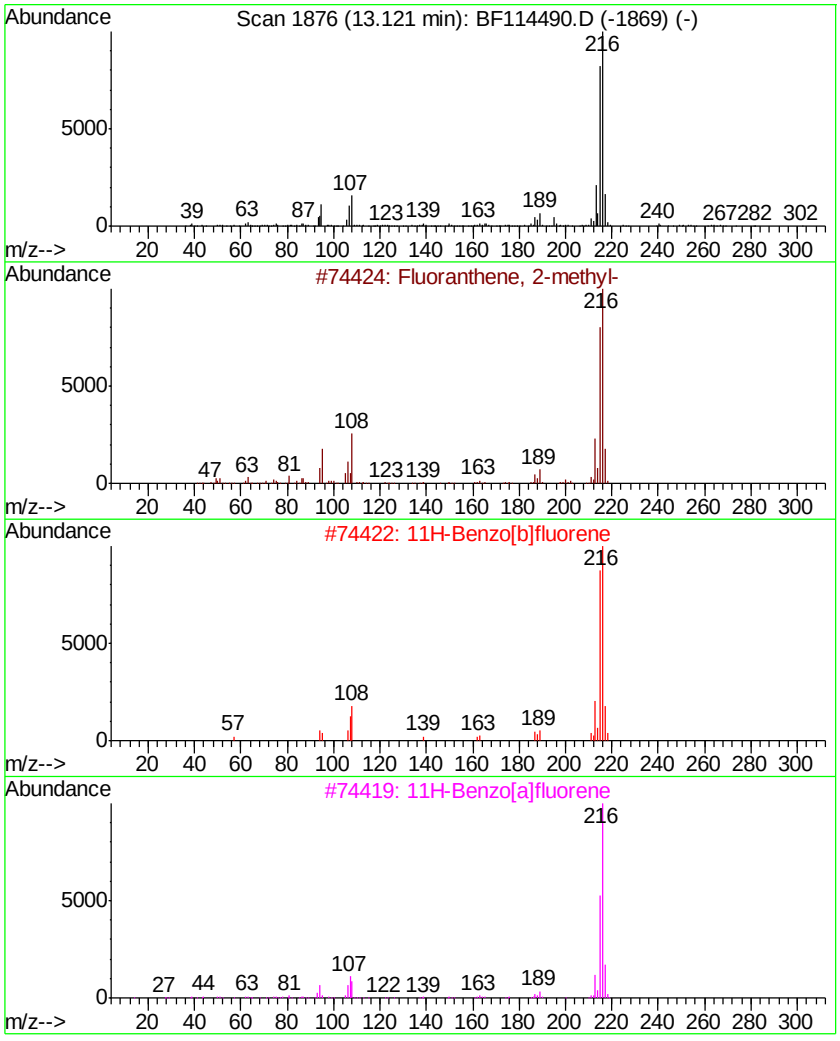
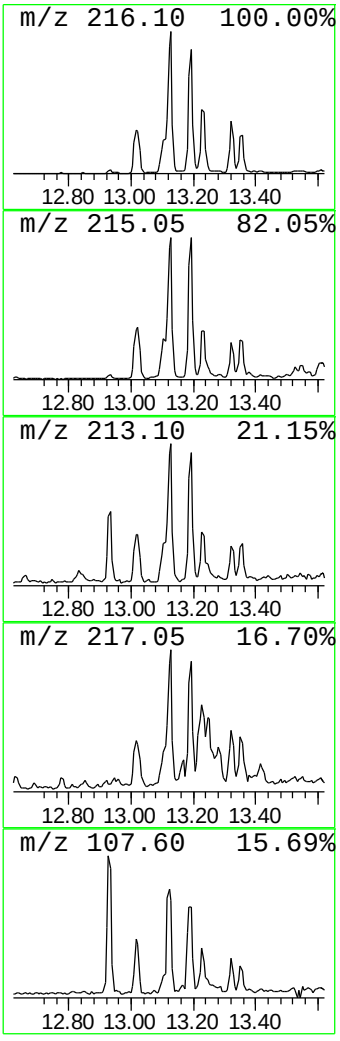
Peak Number 10 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	4.41 ng	593916	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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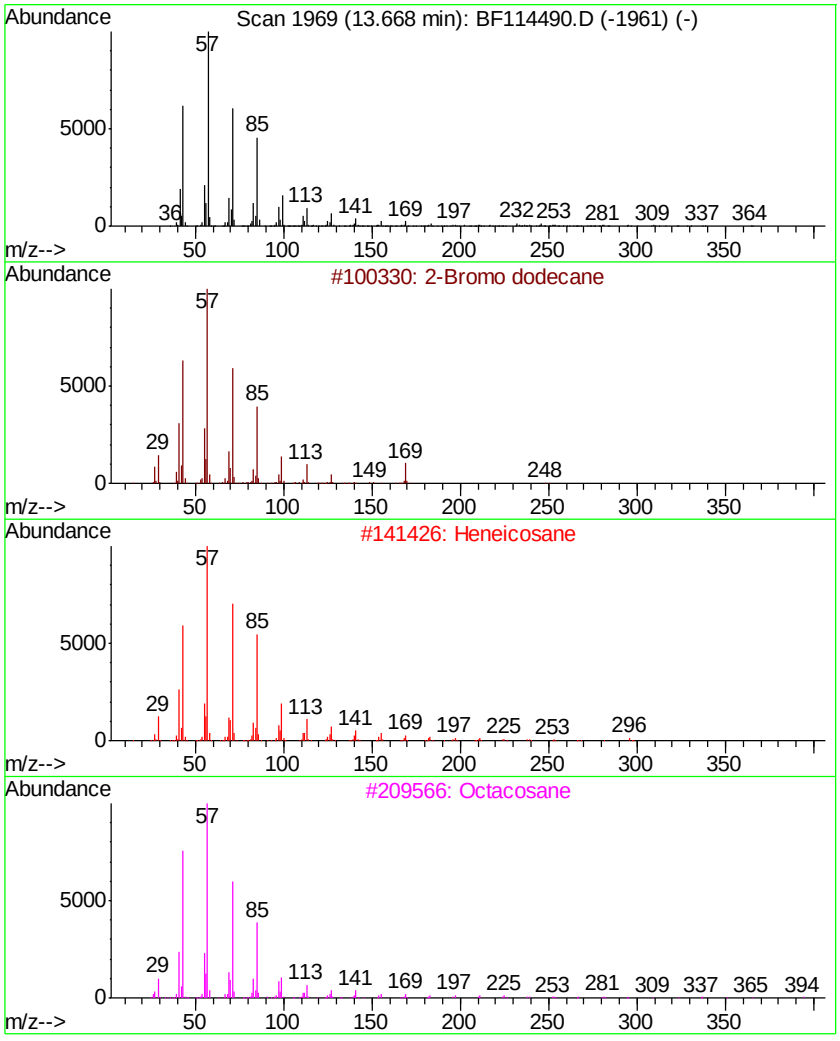
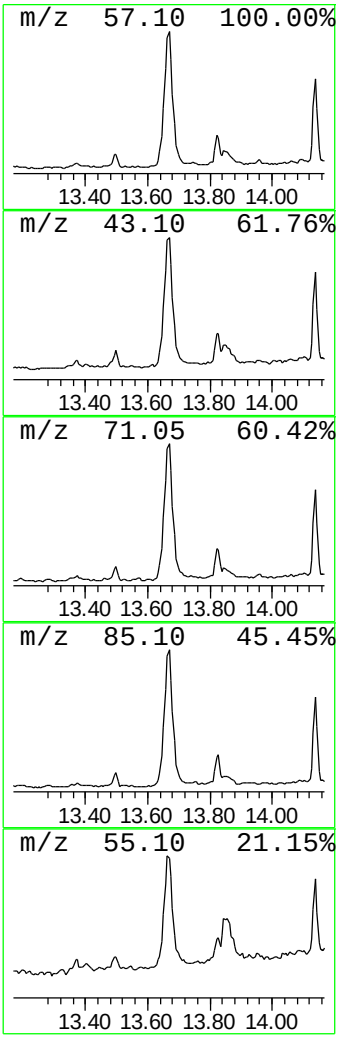
Peak Number 11 2-Bromo dodecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	16.80 ng	2259800	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane	248	C12H25Br	013187-99-0	93
2	Heneicosane	296	C21H44	000629-94-7	91
3	Octacosane	394	C28H58	000630-02-4	91
4	Tetracosane	338	C24H50	000646-31-1	91
5	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	90





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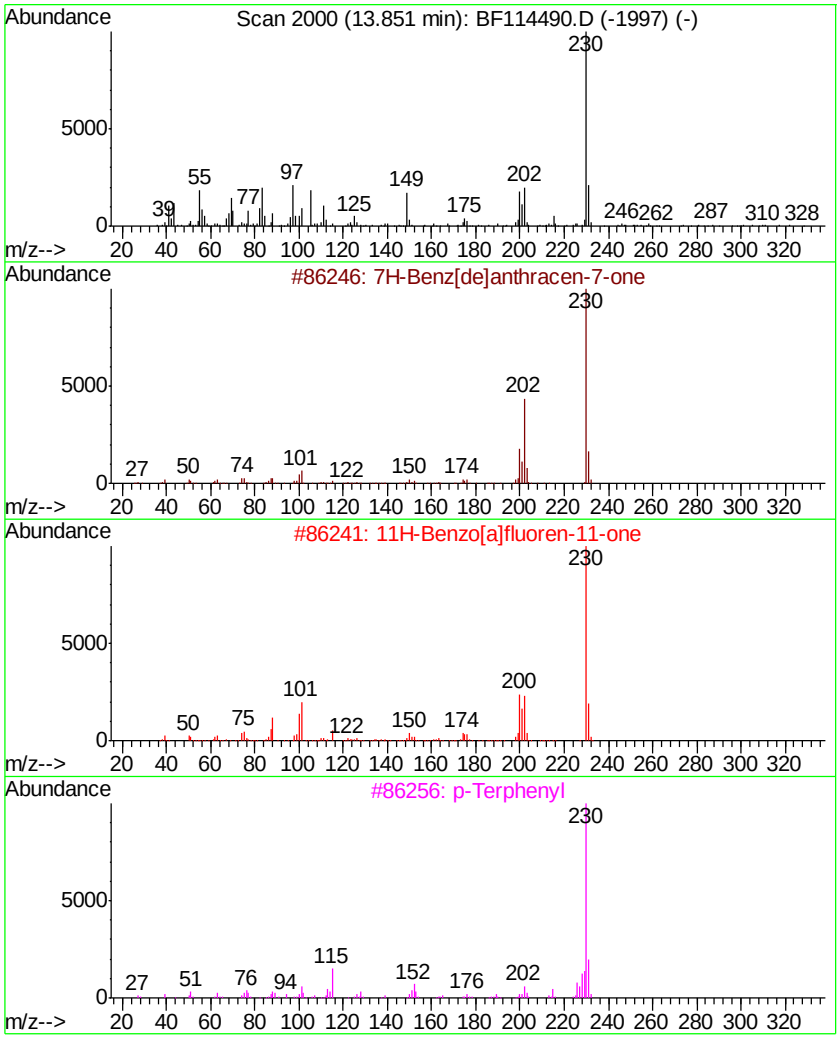
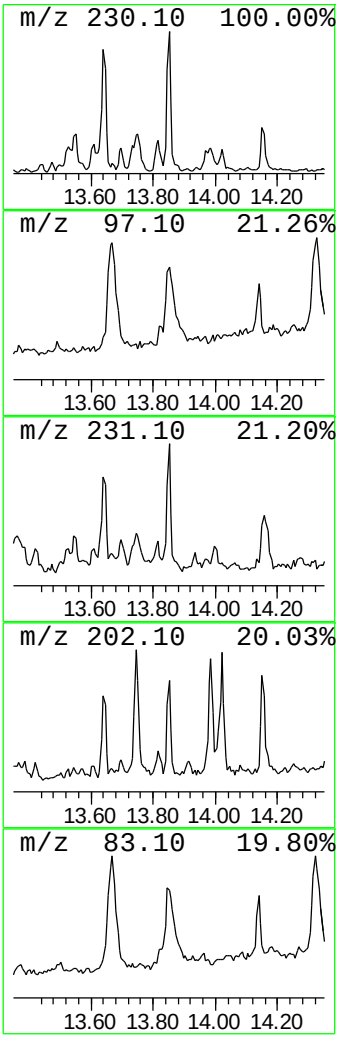
Peak Number 12 7H-Benz[de]anthracen-7-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	4.17 ng	560849	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	60
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	52
3	p-Terphenyl	230	C18H14	000092-94-4	46
4	2-Chloro-9-xanthenone	230	C13H7ClO2	013210-15-6	43
5	m-Terphenyl	230	C18H14	000092-06-8	43





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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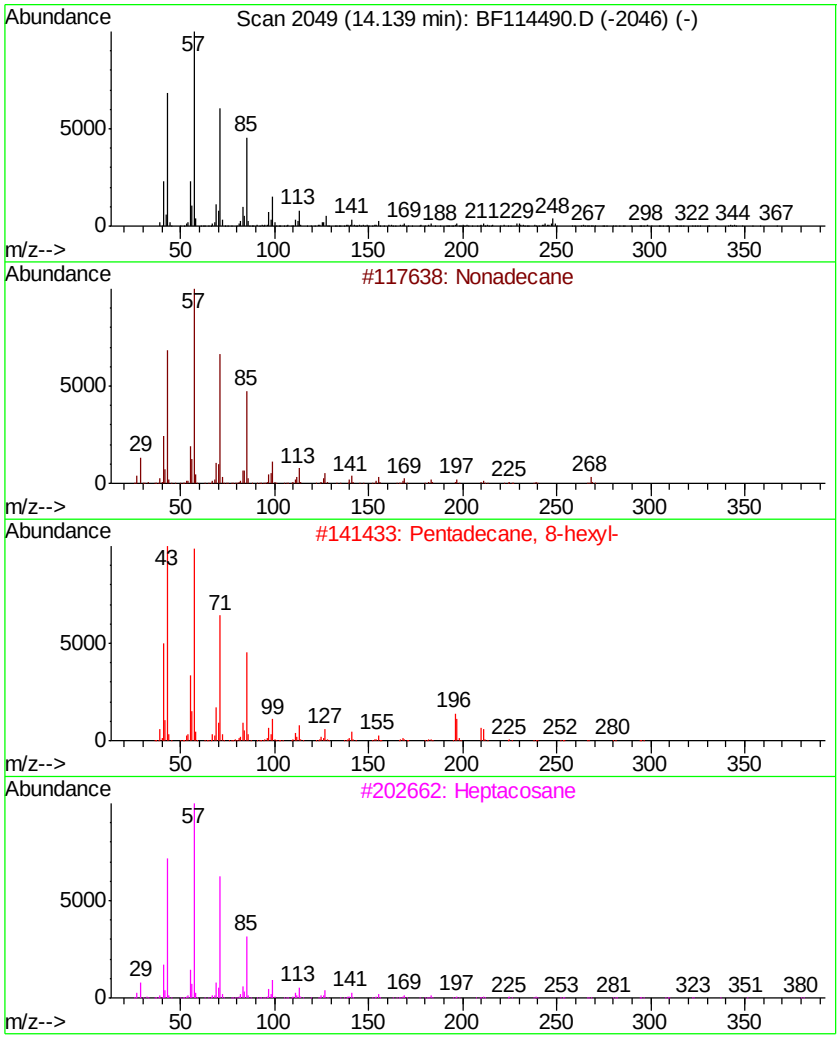
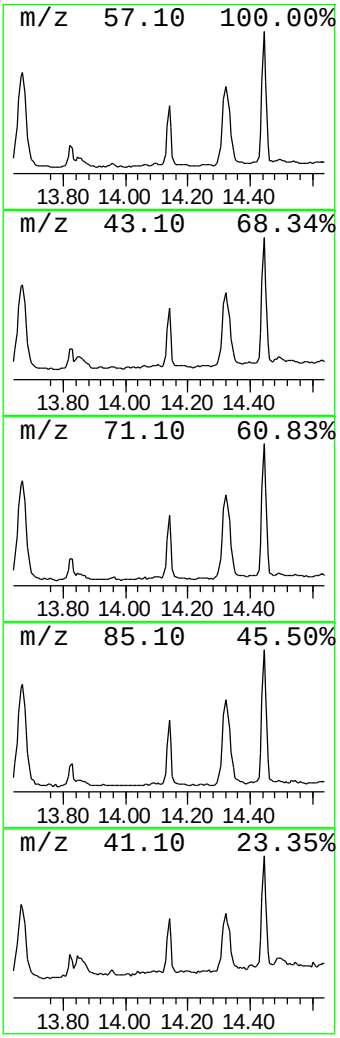
Peak Number 13 Nonadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	5.43 ng	731061	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	93
2	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	93
3	Heptacosane	380	C27H56	000593-49-7	87
4	Hexacosane	366	C26H54	000630-01-3	87
5	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	87





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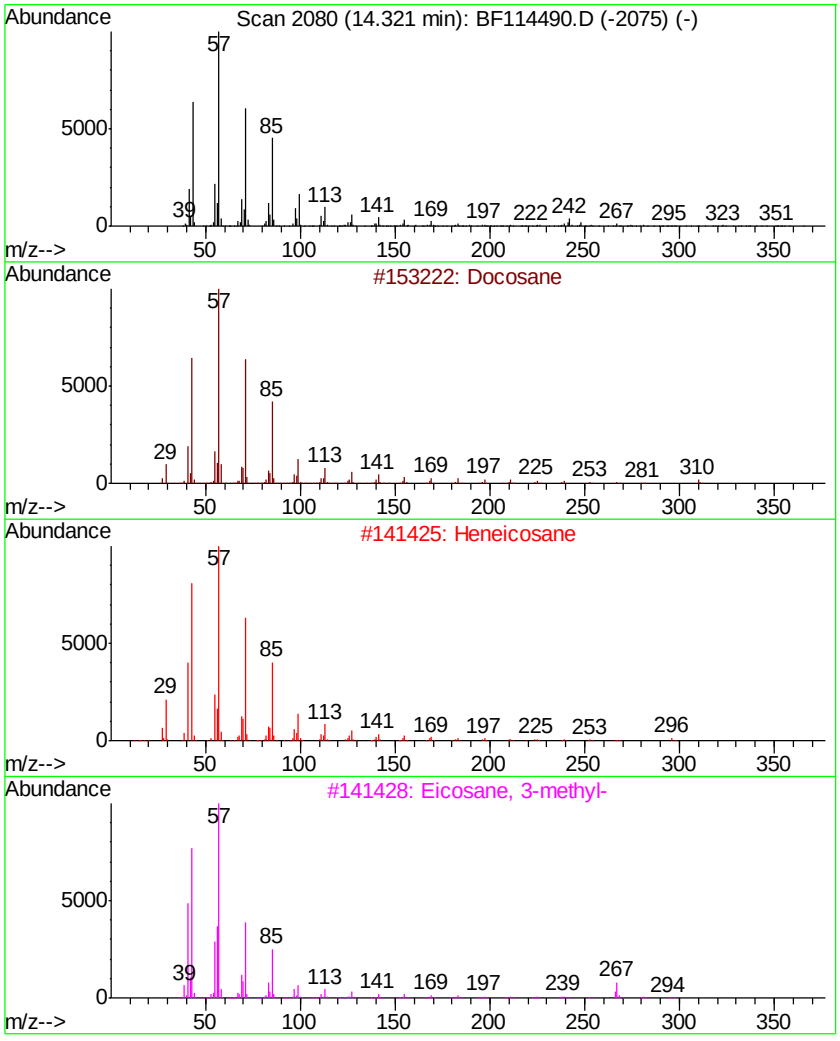
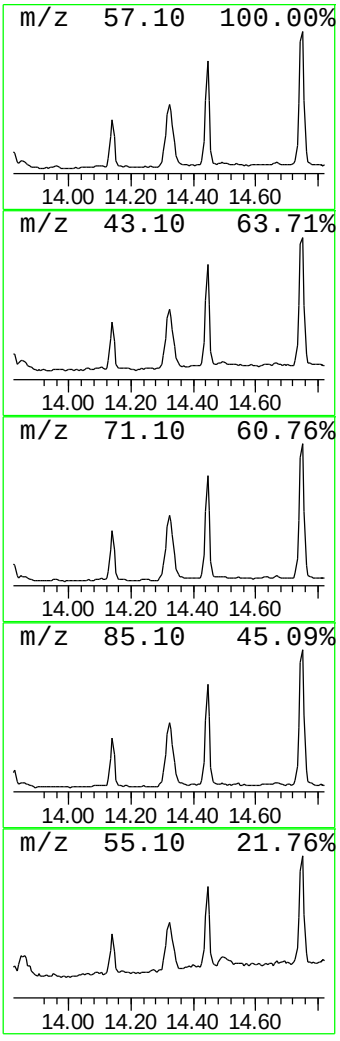
Peak Number 14 Docosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.32	11.93 ng	1605120	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	94
2	Heneicosane	296	C21H44	000629-94-7	94
3	Eicosane, 3-methyl-	296	C21H44	006418-46-8	91
4	Heptacosane	380	C27H56	000593-49-7	91
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	91





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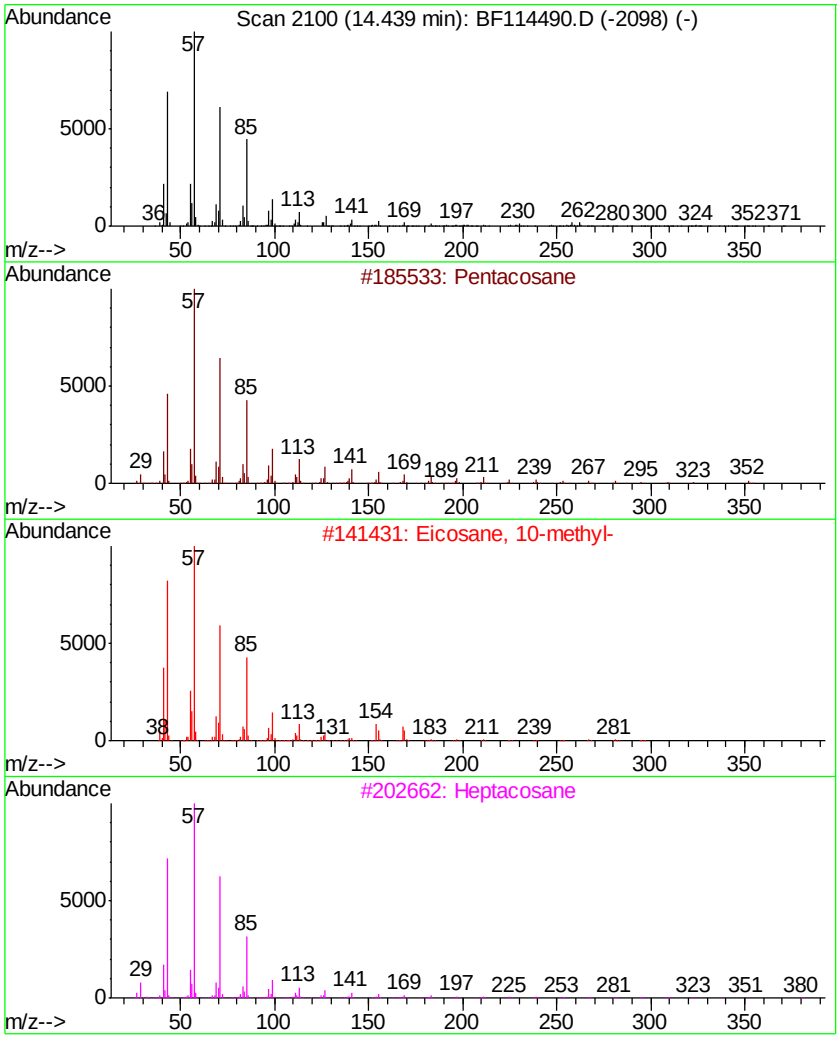
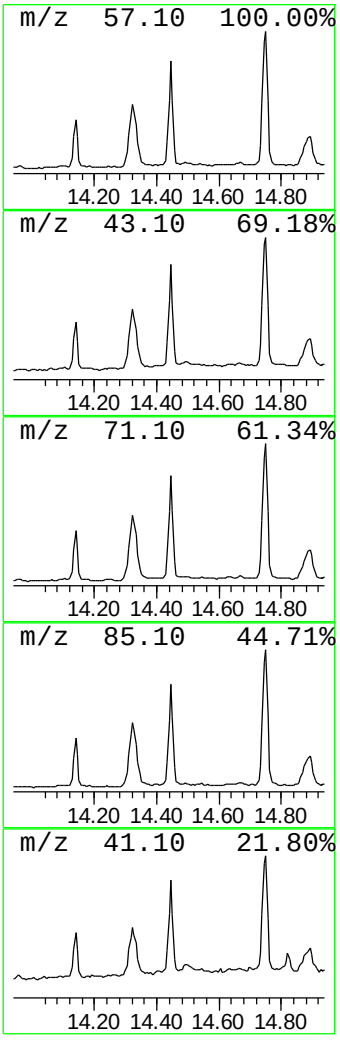
Peak Number 15 Pentacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.44	9.35 ng	1257750	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane	352	C25H52	000629-99-2	96
2	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
3	Heptacosane	380	C27H56	000593-49-7	91
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
5	Tetracosane	338	C24H50	000646-31-1	91





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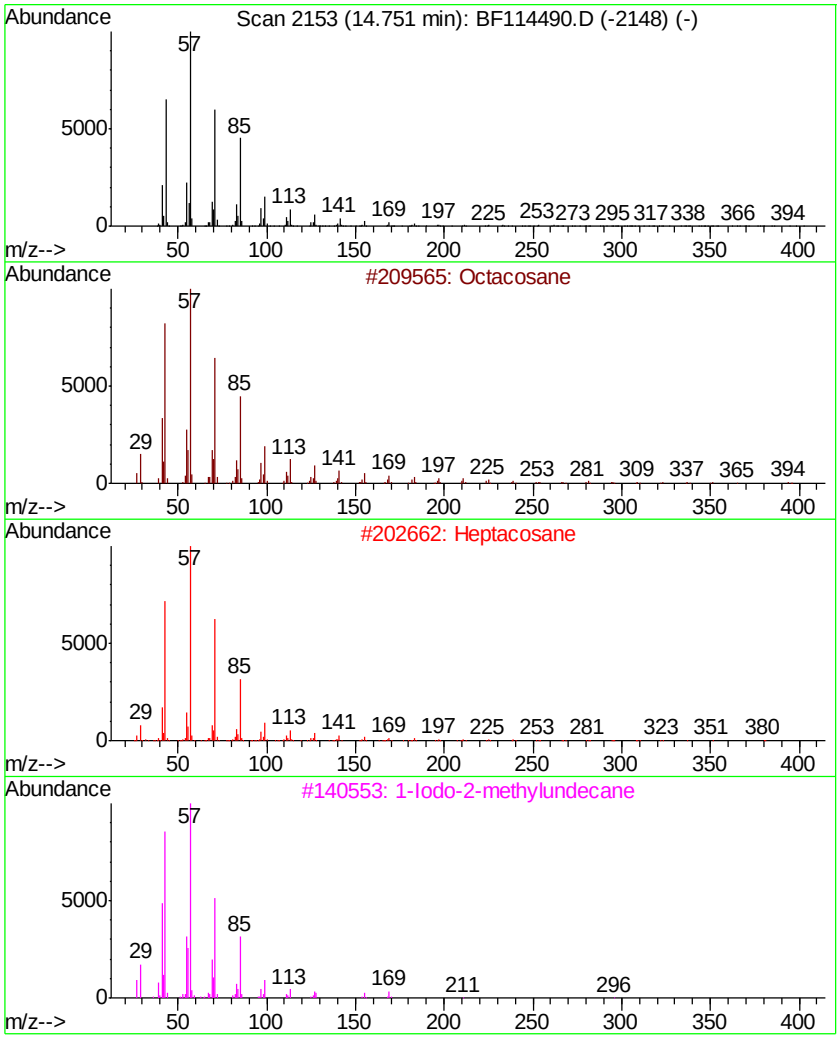
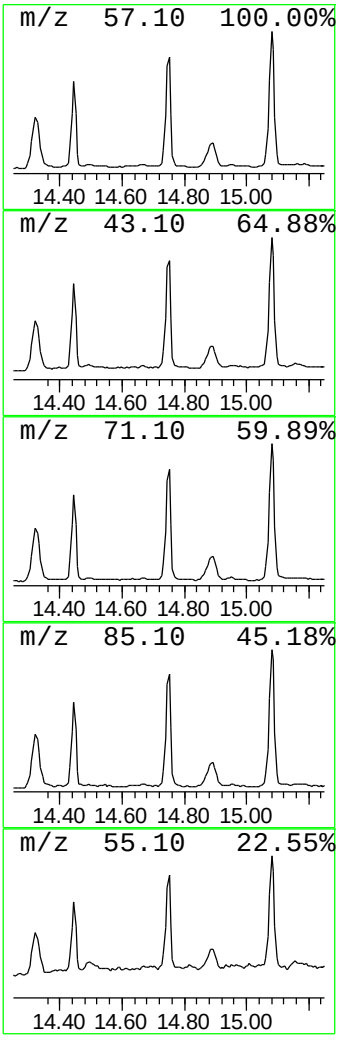
Peak Number 16 Octacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	14.07 ng	1933210	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	97
2	Heptacosane	380	C27H56	000593-49-7	91
3	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	91
4	Heneicosane	296	C21H44	000629-94-7	90
5	Pentadecane	212	C15H32	000629-62-9	87





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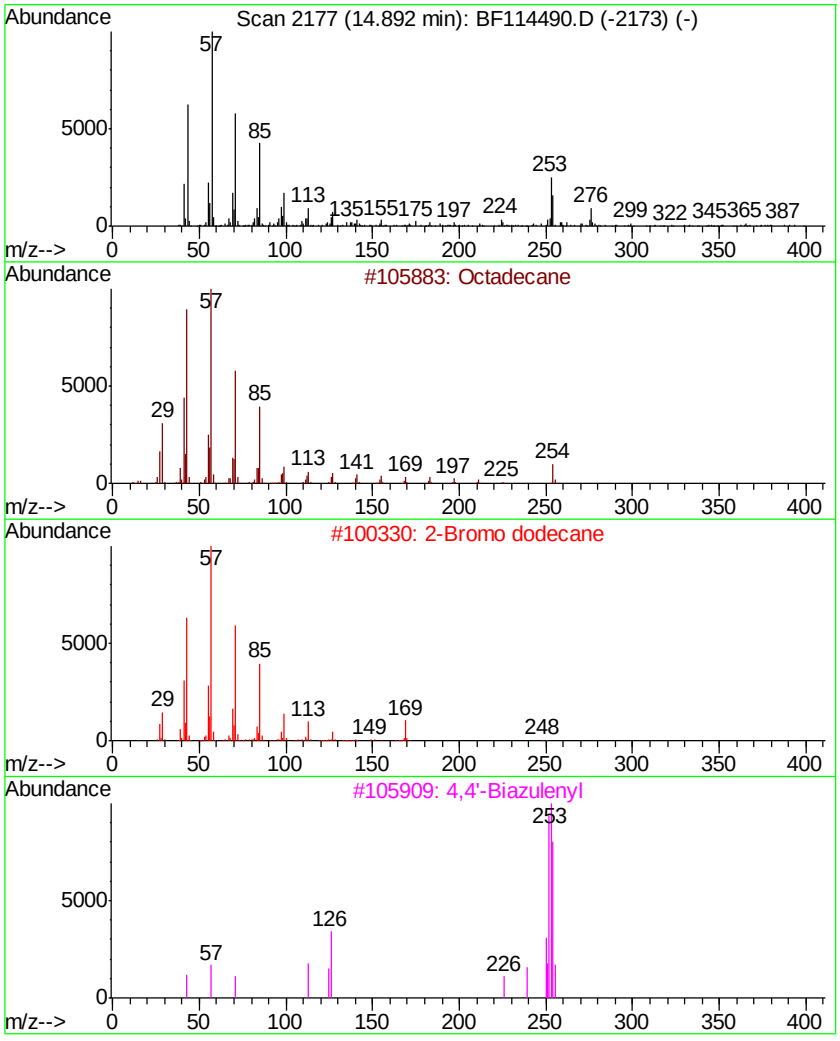
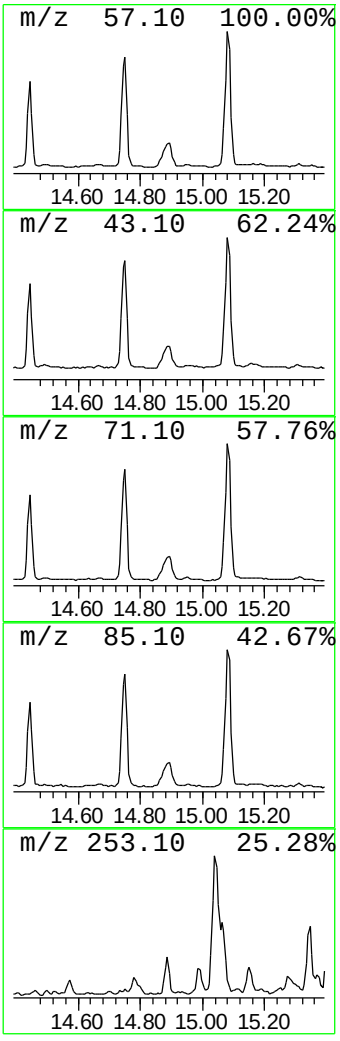
Peak Number 17 Octadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	5.30 ng	727914	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	60
2	2-Bromo dodecane	248	C12H25Br	013187-99-0	55
3	4,4'-Biazulenyl	254	C20H14	094053-54-0	46
4	Hexacosane	366	C26H54	000630-01-3	42
5	Hexadecane	226	C16H34	000544-76-3	42





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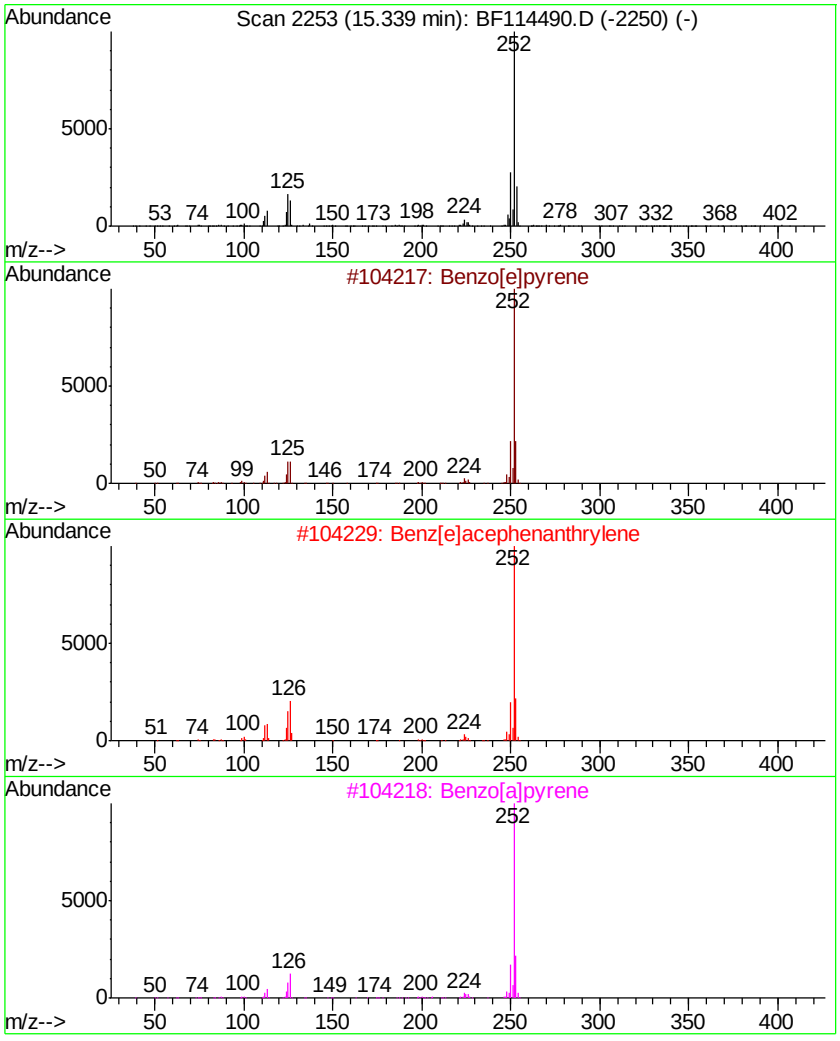
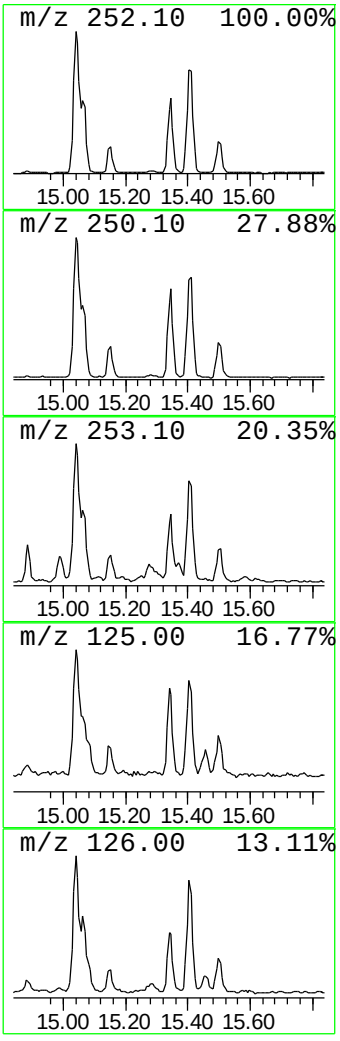
Peak Number 18 Benzo[e]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	4.33 ng	595009	Perylene-d12	15.47

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	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





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Data File : BF114490.D
Acq On : 22 May 2019 18:34
Operator : JU/SJ
Sample : K2641-11
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-051719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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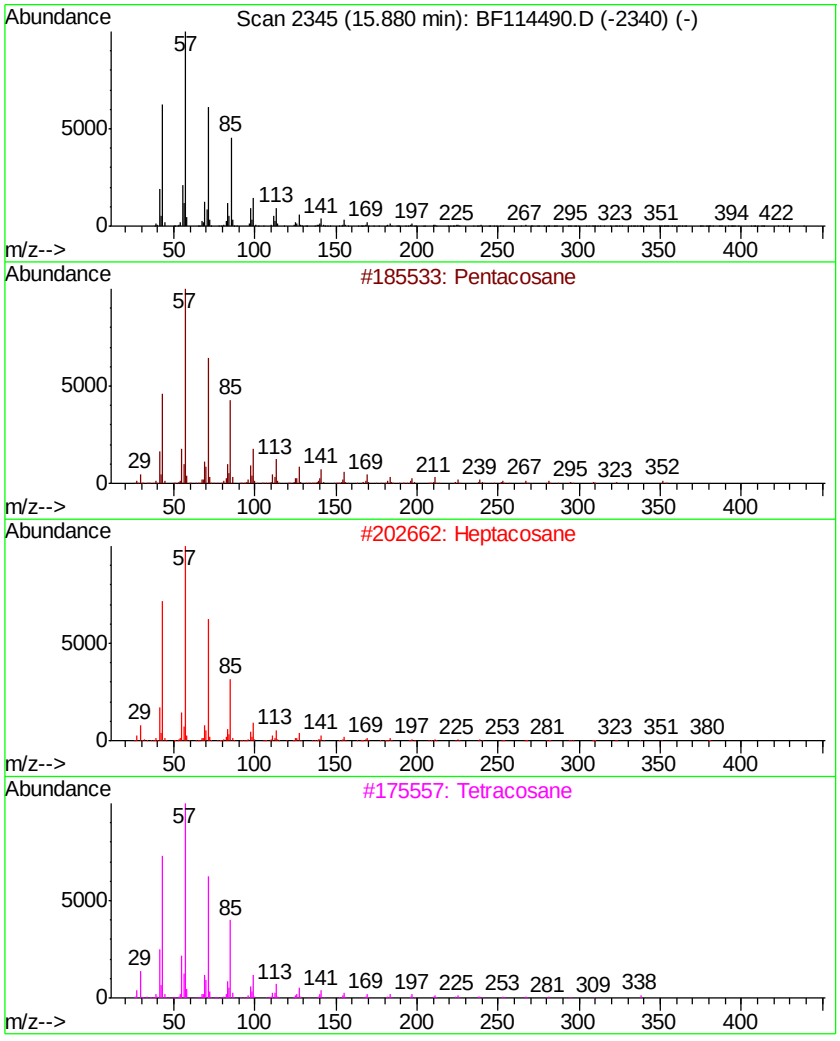
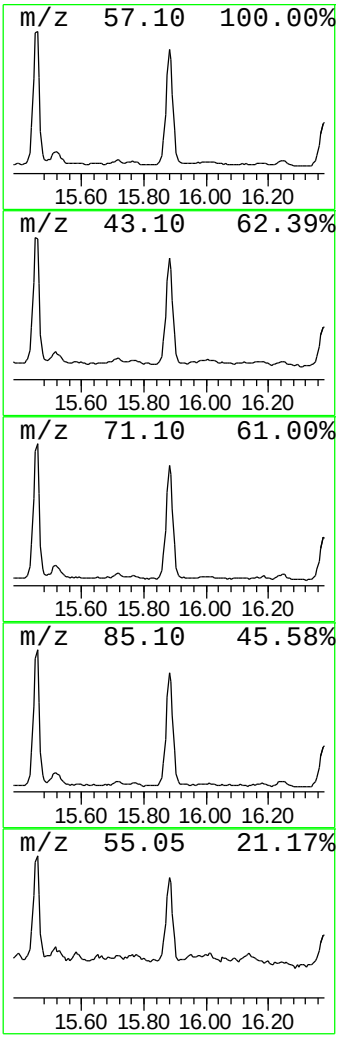
Peak Number 19 Heptacosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	13.82 ng	1899290	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane	352	C25H52	000629-99-2	93
2	Heptacosane	380	C27H56	000593-49-7	91
3	Tetracosane	338	C24H50	000646-31-1	91
4	2-methyloctacosane	408	C29H60	1000376-72-8	91
5	Octacosane	394	C28H58	000630-02-4	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
Data File : BF114490.D
Acq On : 22 May 2019 18:34
Operator : JU/SJ
Sample : K2641-11
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-051719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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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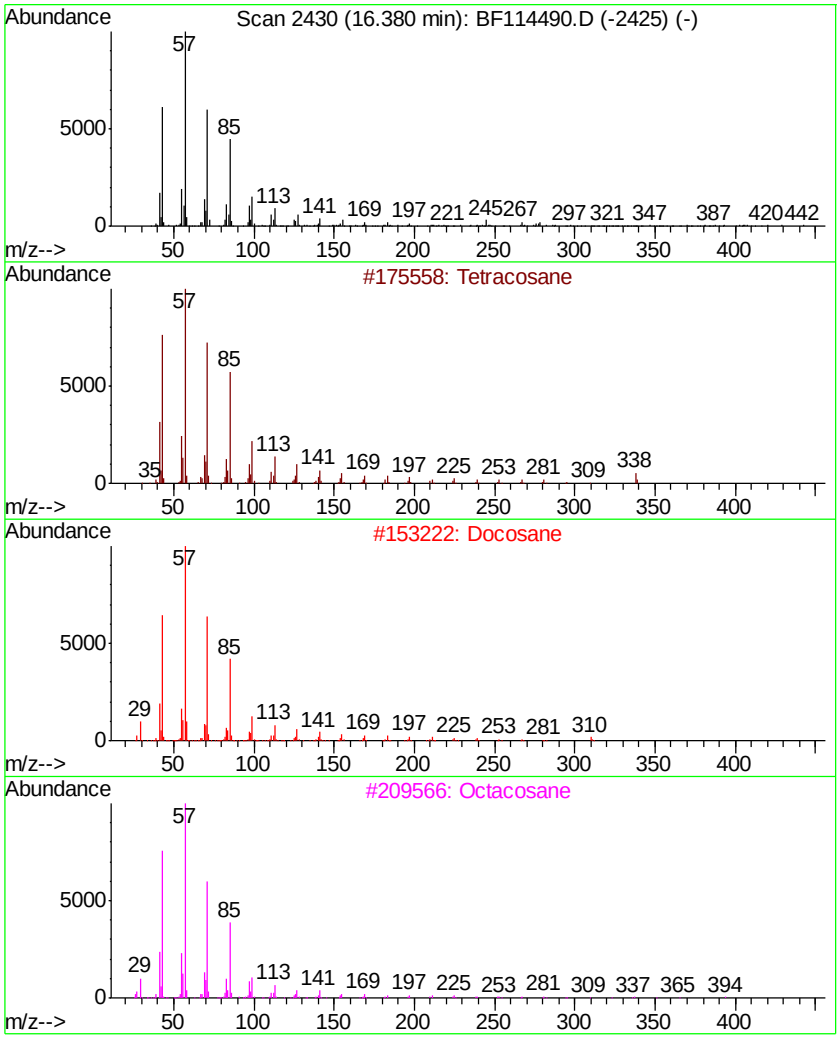
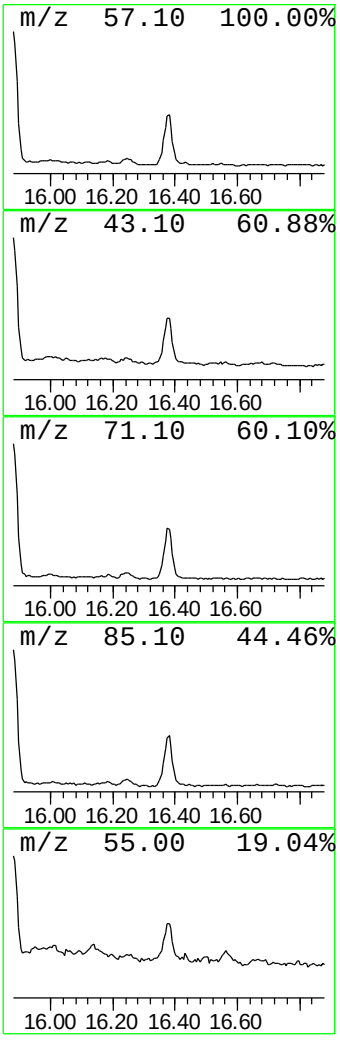
Peak Number 20 Tetracosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.38	8.17 ng	1122740	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	93
2	Docosane	310	C22H46	000629-97-0	93
3	Octacosane	394	C28H58	000630-02-4	90
4	Heneicosane	296	C21H44	000629-94-7	90
5	Hentriacontane	437	C31H64	000630-04-6	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052219\
Data File : BF114490.D
Acq On : 22 May 2019 18:34
Operator : JU/SJ
Sample : K2641-11
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-051719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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
unknown6.60	6.60	62.7	ng	3261370	1	6.83	1040700	20.0
Naphthalene, 1,7-...	9.52	3.6	ng	263465	3	9.86	1447510	20.0
Dibenzothiophene	11.25	3.3	ng	223320	4	11.35	1357140	20.0
Phenanthrene, 2-m...	11.85	4.2	ng	282761	4	11.35	1357140	20.0
n-Hexadecanoic acid	11.88	18.6	ng	1259620	4	11.35	1357140	20.0
4H-Cyclopenta[def...	11.97	8.0	ng	540116	4	11.35	1357140	20.0
Octadecanoic acid	12.66	8.0	ng	540285	4	11.35	1357140	20.0
unknown12.72	12.72	3.2	ng	432748	5	14.00	2690920	20.0
Fluoranthene, 2-m...	13.12	4.4	ng	593916	5	14.00	2690920	20.0
2-Bromo dodecane	13.67	16.8	ng	2259800	5	14.00	2690920	20.0
7H-Benz[de]anthra...	13.85	4.2	ng	560849	5	14.00	2690920	20.0
Nonadecane	14.14	5.4	ng	731061	5	14.00	2690920	20.0
Docosane	14.32	11.9	ng	1605120	5	14.00	2690920	20.0
Pentacosane	14.44	9.3	ng	1257750	5	14.00	2690920	20.0
Octacosane	14.75	14.1	ng	1933210	6	15.47	2748630	20.0
Octadecane	14.89	5.3	ng	727914	6	15.47	2748630	20.0
Benzo[e]pyrene	15.34	4.3	ng	595009	6	15.47	2748630	20.0
Heptacosane	15.88	13.8	ng	1899290	6	15.47	2748630	20.0
Tetracosane	16.38	8.2	ng	1122740	6	15.47	2748630	20.0