LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107723.D
Acq On : 27 Jul 2018 1:53
Operator : JU/SJ
Sample : J4121-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(10-12)

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-BF072018.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	5.196	482	486	507	rBV	371246	602327	13.43%	1.084%
2	5.596	550	554	588	rBV	2118514	3597351	80.23%	6.475%
3	5.813	588	591	607	rVB6	30132	117893	2.63%	0.212%
4	6.595	720	724	744	rBV	2142677	3738664	83.38%	6.730%
5	6.737	744	748	773	rVB	2941858	4094151	91.31%	7.370%
6	6.960	783	786	808	rVB	666350	1129521	25.19%	2.033%
7	7.113	808	812	828	rVV	2533755	3163069	70.54%	5.694%
8	7.225	828	831	846	rVB2	59275	158169	3.53%	0.285%
9	7.525	878	882	906	rBV	1658021	2588262	57.72%	4.659%
10	7.813	928	931	939	rBV	84320	105401	2.35%	0.190%
11	8.242	1000	1004	1028	rVB	1255641	1610136	35.91%	2.898%
12	8.448	1034	1039	1046	rBV	48755	66842	1.49%	0.120%
13	8.507	1046	1049	1057	rVB	55373	76121	1.70%	0.137%
14	8.954	1121	1125	1131	rBV2	53536	99437	2.22%	0.179%
15	9.313	1181	1186	1195	rBV	3892350	4483908	100.00%	8.071%
16	9.378	1195	1197	1202	rVV	132789	168317	3.75%	0.303%
17	9.448	1206	1209	1212	rVV	43856	55305	1.23%	0.100%
18	9.707	1247	1253	1260	rVB	292374	351896	7.85%	0.633%
19	9.860	1276	1279	1284	rBV	102111	149321	3.33%	0.269%
20	9.907	1284	1287	1291	rVB	191864	158420	3.53%	0.285%
21	10.001	1296	1303	1317	rVV	1553316	1771670	39.51%	3.189%
22	10.195	1333	1336	1339	rVB2	54105	56484	1.26%	0.102%
23	10.236	1339	1343	1346	rVB3	76834	90334	2.01%	0.163%
24	10.313	1352	1356	1359	rBV	86876	106964	2.39%	0.193%
25	10.342	1359	1361	1365	rVV4	53141	64871	1.45%	0.117%
26	10.407	1368	1372	1378	rVV	289973	303652	6.77%	0.547%
27	10.625	1406	1409	1412	rVB	110485	122299	2.73%	0.220%
28	10.713	1417	1424	1427	rBV7	52692	90619	2.02%	0.163%
29	10.795	1434	1438	1446	rBV	2282508	2713522	60.52%	4.884%
30	10.883	1450	1453	1463	rVB2	332401	519285	11.58%	0.935%
31	11.095	1483	1489	1492	rBV4	98374	179505	4.00%	0.323%
32	11.125	1492	1494	1500	rVB2	74181	91992	2.05%	0.166%
33	11.178	1501	1503	1506	rVB	60080	56124	1.25%	0.101%
34	11.225	1506	1511	1513	rBV5	52862	85693	1.91%	0.154%

LSC Area Percent Report

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Acq On : 27 Jul 2018 1:53
Operator : JU/SJ
Sample : J4121-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(10-12)

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-BF072018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.330	1527	1529	1532	rBV	257285	191211	4.26%	0.344%
36	11.389	1537	1539	1542	rBV	60906	63098	1.41%	0.114%
37	11.495	1553	1557	1559	rBV	1259522	1268632	28.29%	2.284%
38	11.519	1559	1561	1568	rVV	503675	602389	13.43%	1.084%
39	11.572	1568	1570	1572	rVV	114114	127701	2.85%	0.230%
40	11.601	1573	1575	1578	rVV2	126163	135090	3.01%	0.243%
41	11.642	1580	1582	1587	rVB4	51397	71782	1.60%	0.129%
42	11.730	1592	1597	1599	rVV4	69280	120954	2.70%	0.218%
43	11.760	1599	1602	1604	rVV	188556	156009	3.48%	0.281%
44	11.825	1610	1613	1618	rVB	177261	184765	4.12%	0.333%
45	11.907	1624	1627	1632	rVB	98342	133289	2.97%	0.240%
46	12.001	1639	1643	1645	rBV3	559406	653334	14.57%	1.176%
47	12.025	1645	1647	1653	rVV	293277	345061	7.70%	0.621%
48	12.072	1653	1655	1658	rVV2	106867	119142	2.66%	0.214%
49	12.107	1658	1661	1664	rVV2	409282	558252	12.45%	1.005%
50	12.130	1664	1665	1669	rVV	263718	244258	5.45%	0.440%
51	12.166	1669	1671	1674	rVB2	125485	99632	2.22%	0.179%
52	12.230	1679	1682	1685	rBV	93304	83124	1.85%	0.150%
53	12.289	1689	1692	1694	rBV2	190392	196116	4.37%	0.353%
54	12.395	1707	1710	1712	rBV2	47049	59739	1.33%	0.108%
55	12.419	1712	1714	1716	rBV	85431	87580	1.95%	0.158%
56	12.472	1721	1723	1725	rBV	108260	83975	1.87%	0.151%
57	12.495	1725	1727	1730	rVB2	96765	76582	1.71%	0.138%
58	12.548	1732	1736	1739	rBV2	400704	530386	11.83%	0.955%
59	12.636	1748	1751	1753	rBV2	102584	148436	3.31%	0.267%
60	12.713	1760	1764	1768	rBV	754393	784603	17.50%	1.412%
61	12.748	1768	1770	1772	rVV	131554	134773	3.01%	0.243%
62	12.772	1772	1774	1778	rVV3	100822	156571	3.49%	0.282%
63	12.807	1778	1780	1786	rVV	136513	184738	4.12%	0.333%
64	12.866	1787	1790	1796	rVV3	159683	248232	5.54%	0.447%
65	12.942	1797	1803	1809	rVV	1045313	1278765	28.52%	2.302%
66	12.989	1809	1811	1815	rVB	106229	115665	2.58%	0.208%
67	13.077	1822	1826	1836	rVB	3088729	3195228	71.26%	5.752%
68	13.154	1836	1839	1846	rVB4	152977	283951	6.33%	0.511%
69	13.213	1846	1849	1852	rBV3	94892	112026	2.50%	0.202%
70	13.272	1852	1859	1864	rVB2	276902	551766	12.31%	0.993%
71	13.313	1864	1866	1868	rBV2	72029	73730	1.64%	0.133%

LSC Area Percent Report

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Acq On : 27 Jul 2018 1:53
Operator : JU/SJ
Sample : J4121-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(10-12)

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-BF072018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.336	1868	1870	1873	rVV	175705	186441	4.16%	0.336%
73	13.377	1874	1877	1885	rVV	245993	351449	7.84%	0.633%
74	13.466	1889	1892	1895	rVV	217493	234045	5.22%	0.421%
75	13.501	1895	1898	1907	rVB	216702	319032	7.12%	0.574%
76	13.624	1915	1919	1921	rBV2	83513	108186	2.41%	0.195%
77	13.836	1953	1955	1959	rVB2	70739	67253	1.50%	0.121%
78	13.871	1959	1961	1962	rBV	65065	55443	1.24%	0.100%
79	13.895	1962	1965	1967	rVV	225311	221780	4.95%	0.399%
80	13.919	1967	1969	1972	rVV	102573	90233	2.01%	0.162%
81	13.954	1972	1975	1980	rVV3	437759	521180	11.62%	0.938%
82	14.066	1991	1994	2002	rVB	57114	84282	1.88%	0.152%
83	14.142	2002	2007	2010	rBV2	1265446	1815761	40.50%	3.268%
84	14.171	2010	2012	2019	rVB	574757	616606	13.75%	1.110%
85	14.224	2019	2021	2024	rVB2	93853	85593	1.91%	0.154%
86	14.271	2027	2029	2031	rBV	87414	68693	1.53%	0.124%
87	14.530	2070	2073	2076	rVB	195662	177319	3.95%	0.319%
88	14.566	2076	2079	2080	rBV	117672	112270	2.50%	0.202%
89	14.660	2092	2095	2097	rBV	98099	96600	2.15%	0.174%
90	14.895	2132	2135	2139	rVB	144027	157780	3.52%	0.284%
91	15.218	2186	2190	2193	rBV	287448	477509	10.65%	0.860%
92	15.248	2193	2195	2206	rVV3	289568	419903	9.36%	0.756%
93	15.330	2207	2209	2214	rVB	78979	108108	2.41%	0.195%
94	15.542	2240	2245	2251	rVB	223982	328254	7.32%	0.591%
95	15.607	2252	2256	2260	rBV	309752	456658	10.18%	0.822%
96	15.677	2260	2268	2281	rVB	762381	1527651	34.07%	2.750%
97	16.107	2338	2341	2346	rVB	90566	130449	2.91%	0.235%
98	16.642	2429	2432	2437	rVB3	63437	99334	2.22%	0.179%
99	17.242	2529	2534	2546	rVB5	93652	272684	6.08%	0.491%
100	17.712	2611	2614	2622	rVB3	65809	135791	3.03%	0.244%

Sum of corrected areas: 55554397

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
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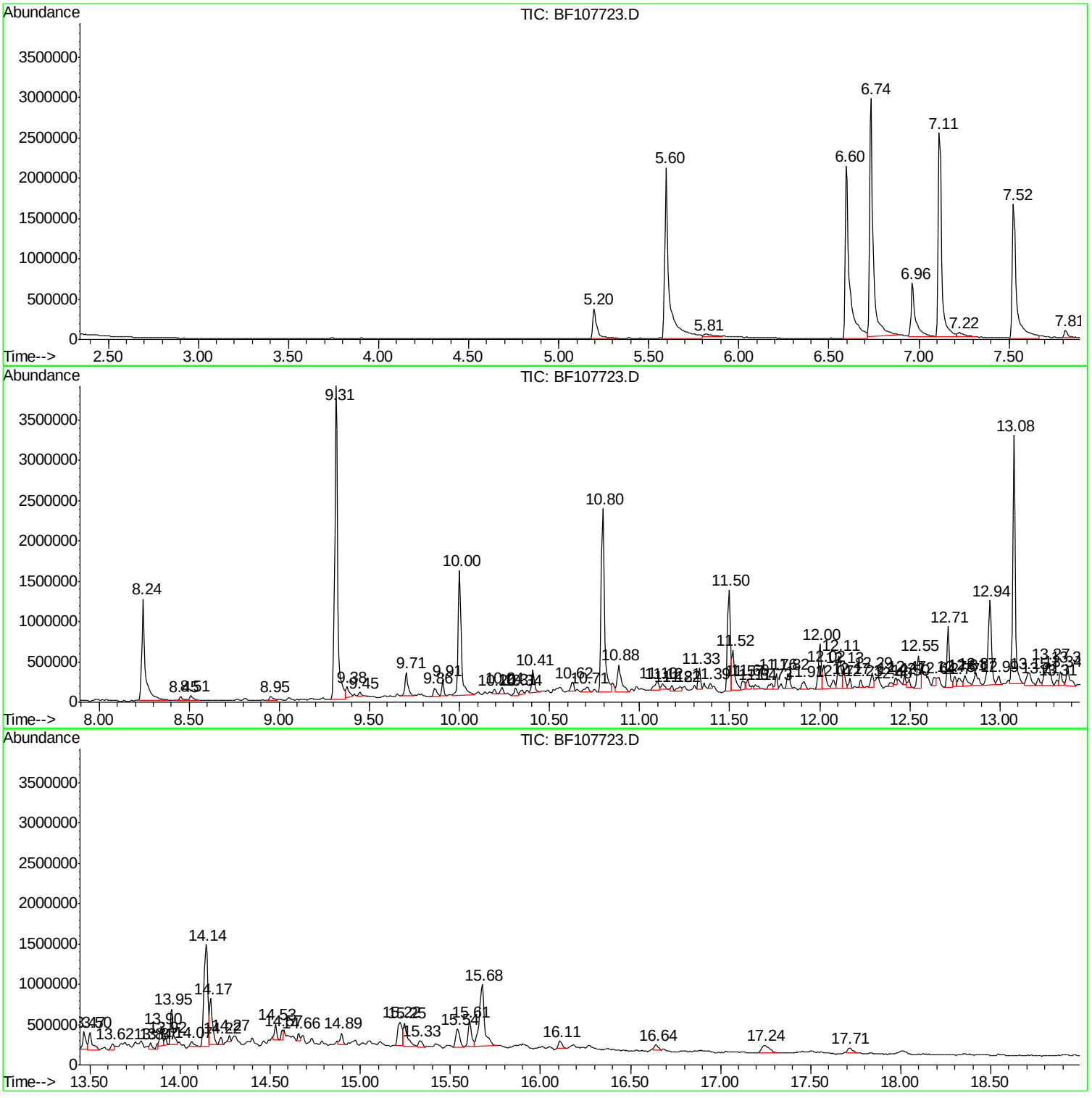
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-8(10-12)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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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Instrument : BNA_F
ClientSampleId : SB-8(10-12)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
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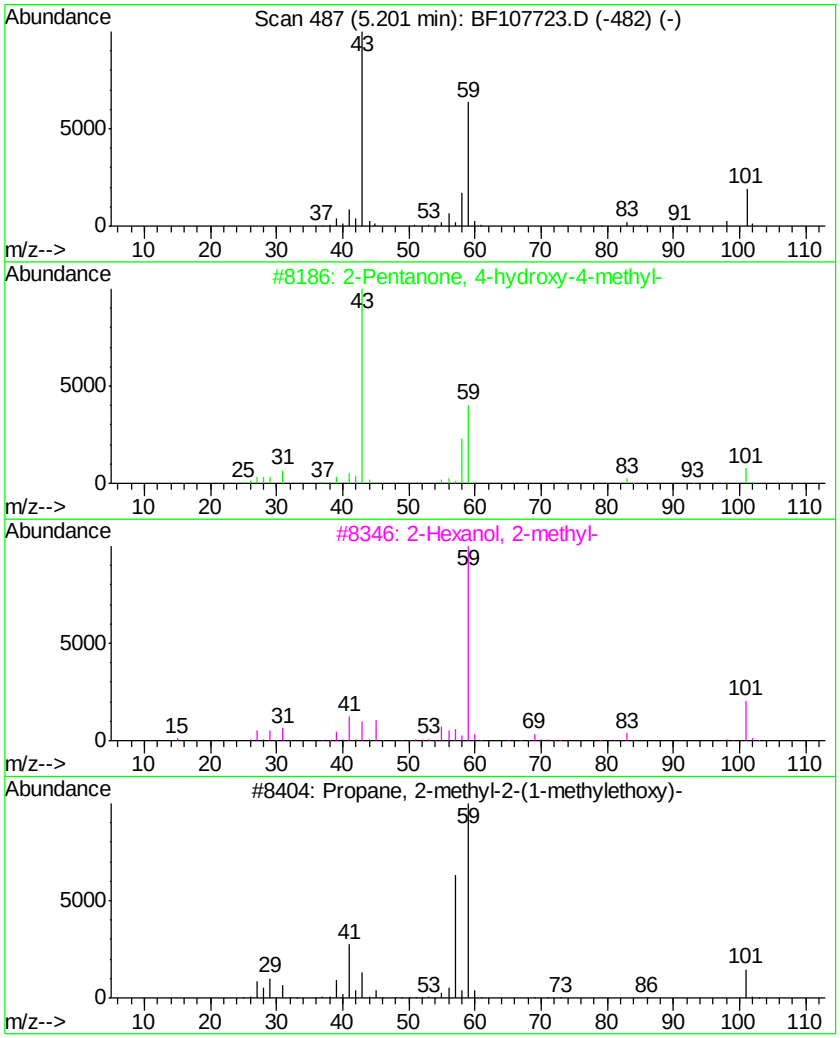
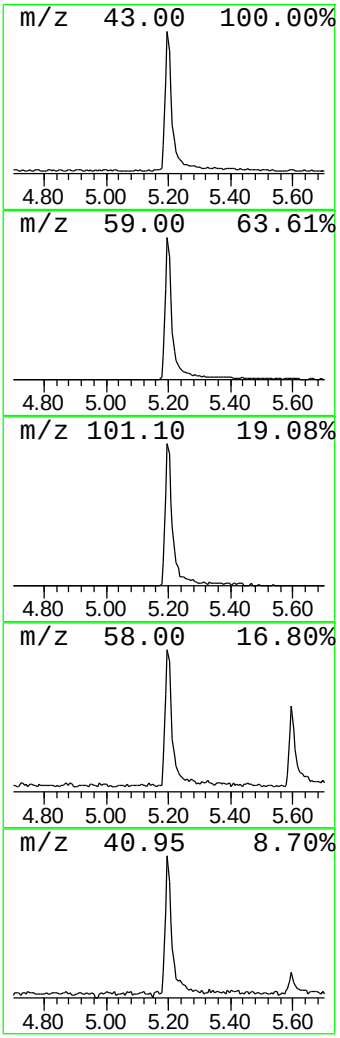
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	10.67 ng	602327	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	38
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
5	3-Octanol	130	C8H18O	000589-98-0	33





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107723.D
Acq On : 27 Jul 2018 1:53
Operator : JU/SJ
Sample : J4121-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(10-12)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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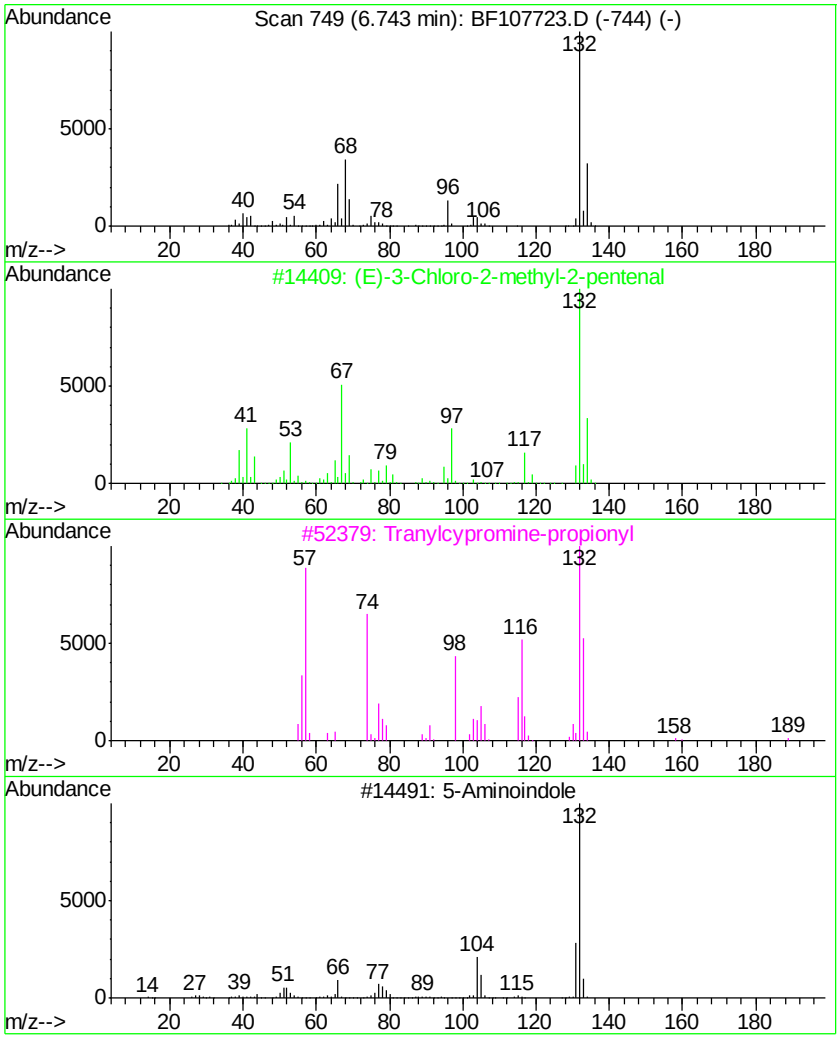
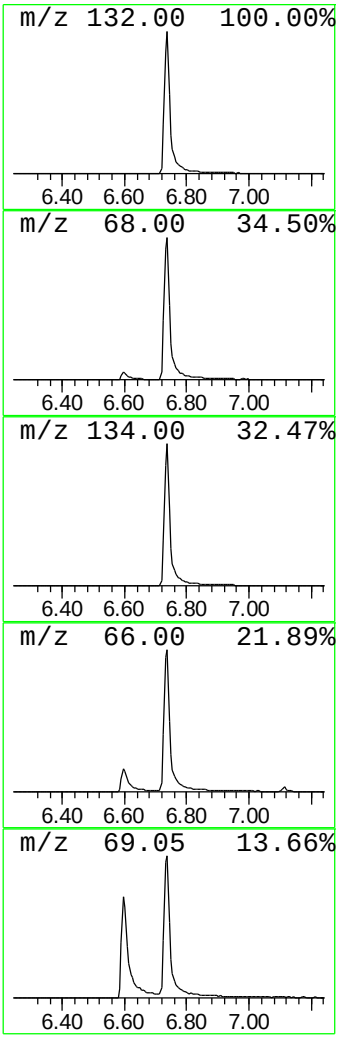
****

Peak Number 2 unknown6.74 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	72.49 ng	4094150	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





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Instrument : BNA_F
ClientSampleId : SB-8(10-12)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

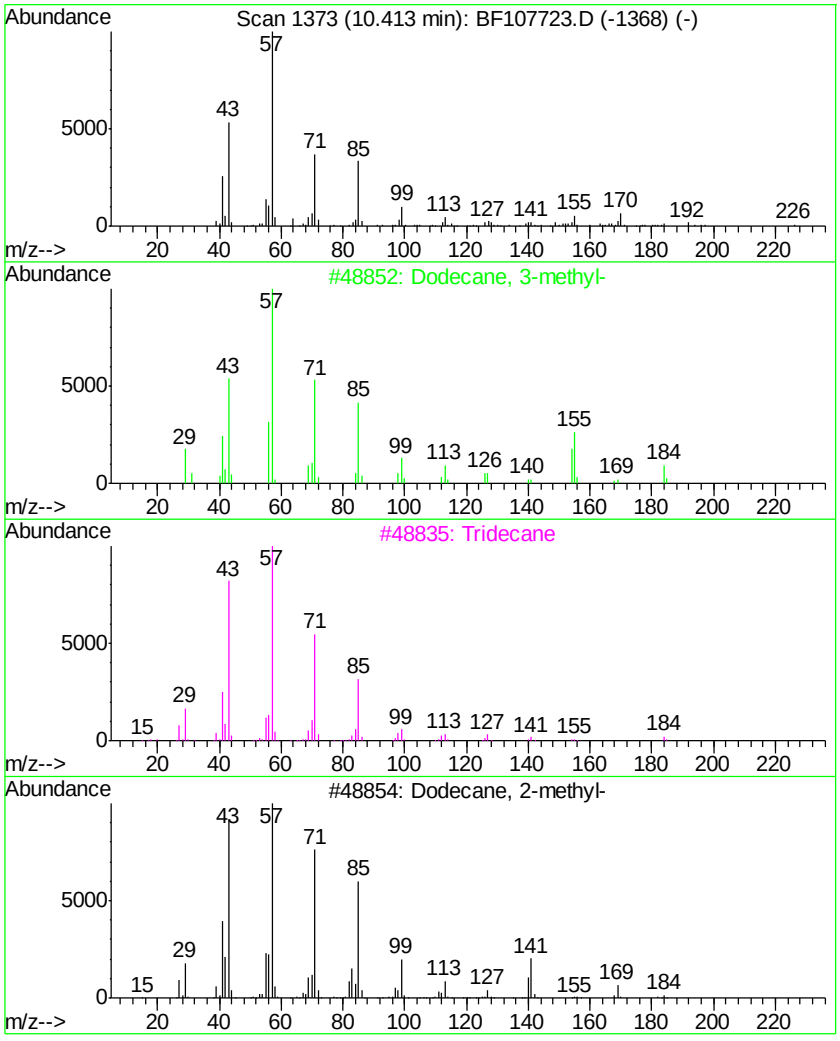
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

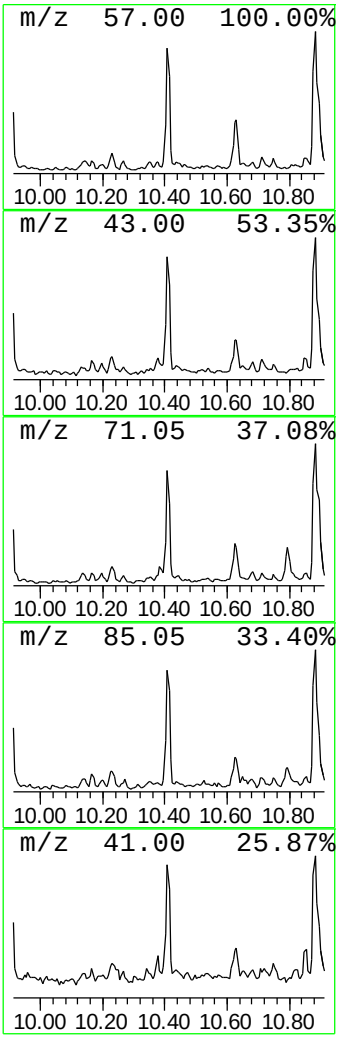
****

Peak Number 4 Dodecane, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.41	3.43 ng	303652	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 3-methyl-	184	C13H28	017312-57-1	81
2	Tridecane	184	C13H28	000629-50-5	80
3	Dodecane, 2-methyl-	184	C13H28	001560-97-0	74
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72
5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	64





Library Search Compound Report

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Data File : BF107723.D
Acq On : 27 Jul 2018 1:53
Operator : JU/SJ
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Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(10-12)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

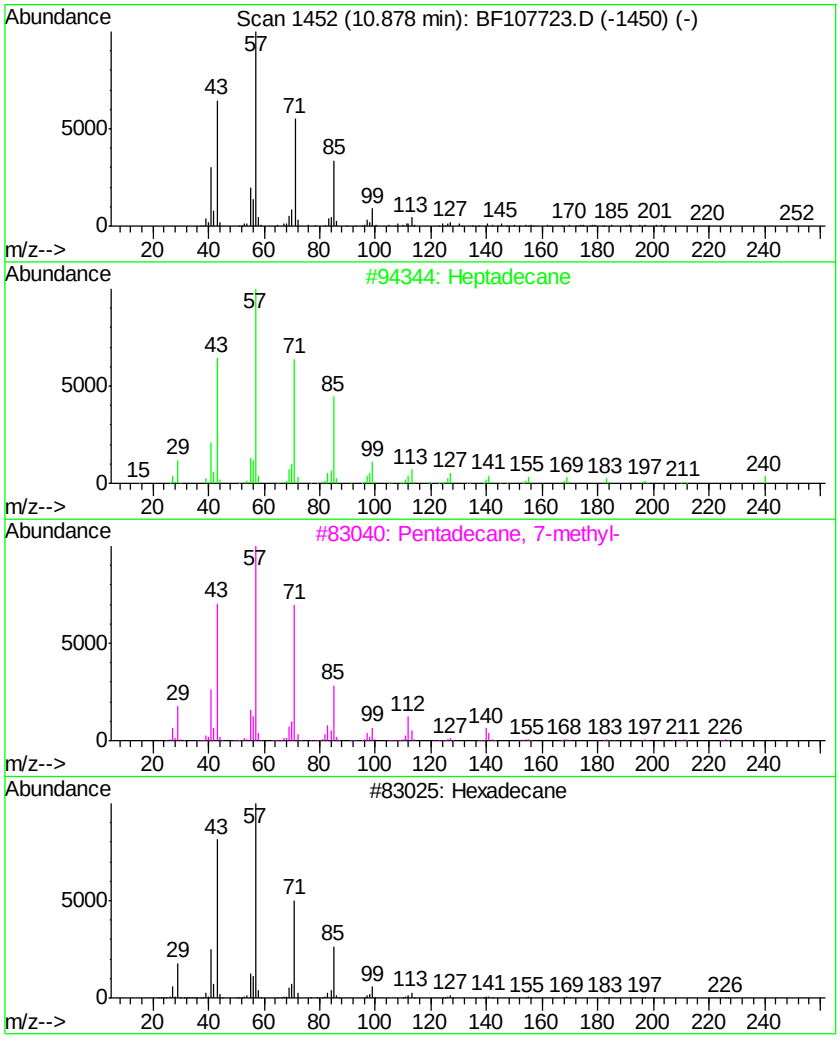
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

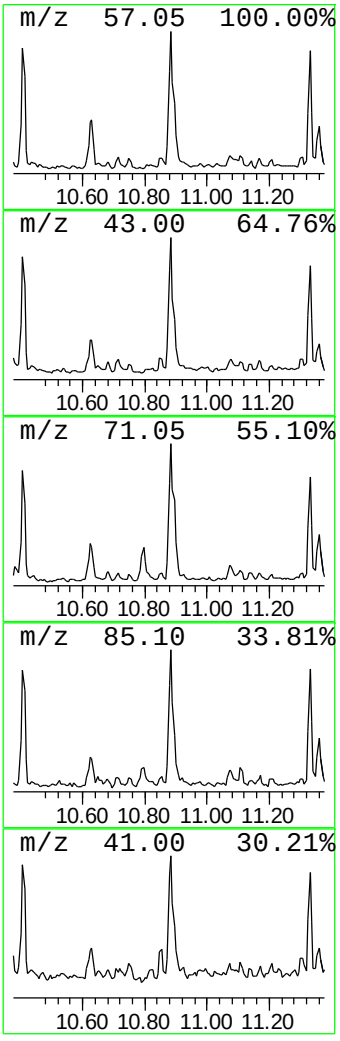
****

Peak Number 5 Heptadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.88	8.19 ng	519285	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	90
2	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	90
3	Hexadecane	226	C16H34	000544-76-3	90
4	Heptacosane	380	C27H56	000593-49-7	80
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	78





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107723.D
Acq On : 27 Jul 2018 1:53
Operator : JU/SJ
Sample : J4121-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(10-12)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

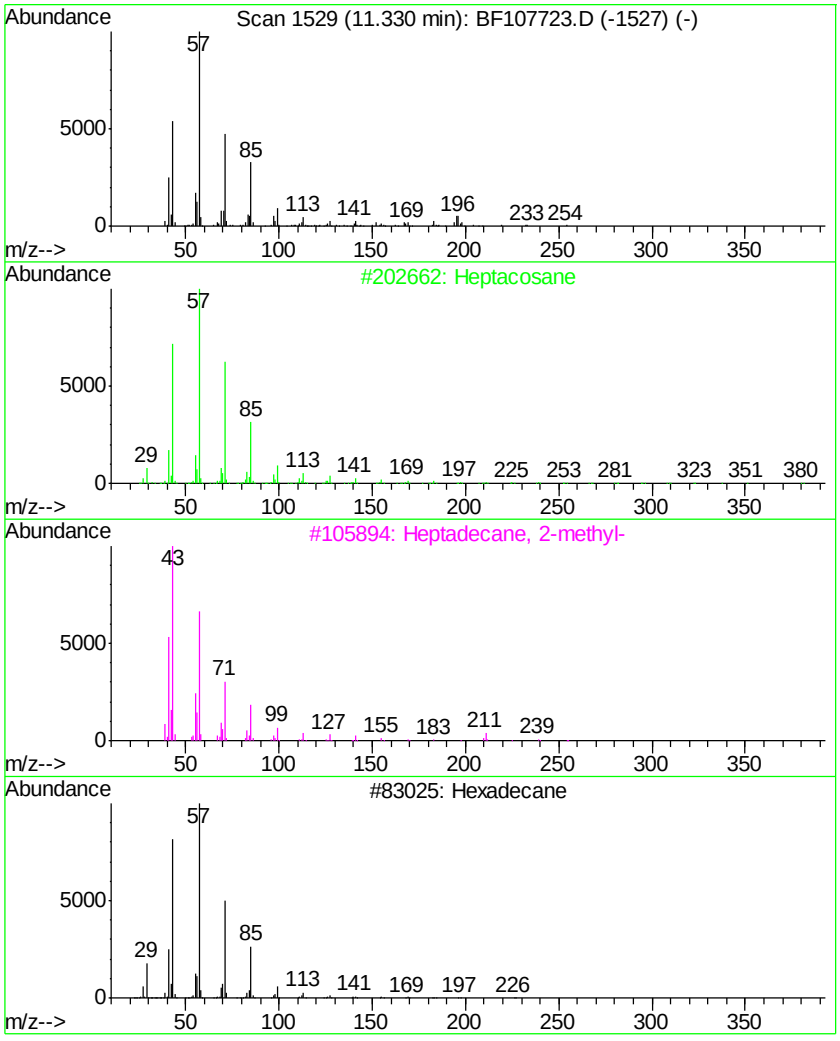
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

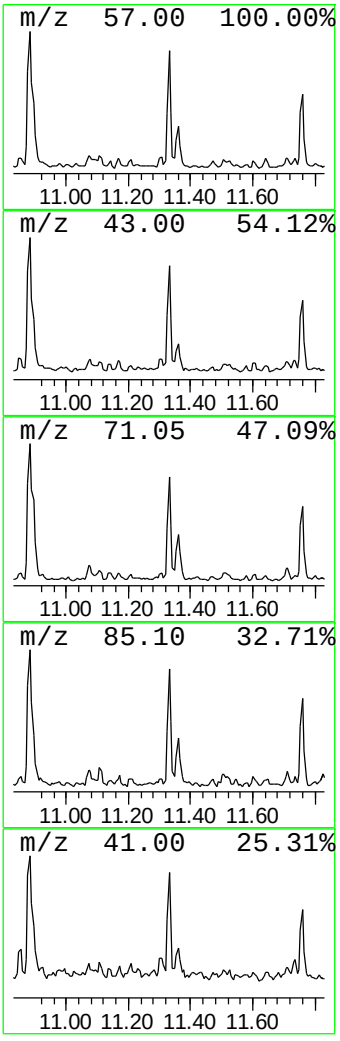
****

Peak Number 6 Heptacosane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	3.01 ng	191211	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	83
2	Heptadecane, 2-methyl-	254	C18H38	001560-89-0	83
3	Hexadecane	226	C16H34	000544-76-3	80
4	Octacosane	394	C28H58	000630-02-4	76
5	Undecane	156	C11H24	001120-21-4	72





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Operator : JU/SJ
Sample : J4121-04
Misc :
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Instrument : BNA_F
ClientSampleId : SB-8(10-12)

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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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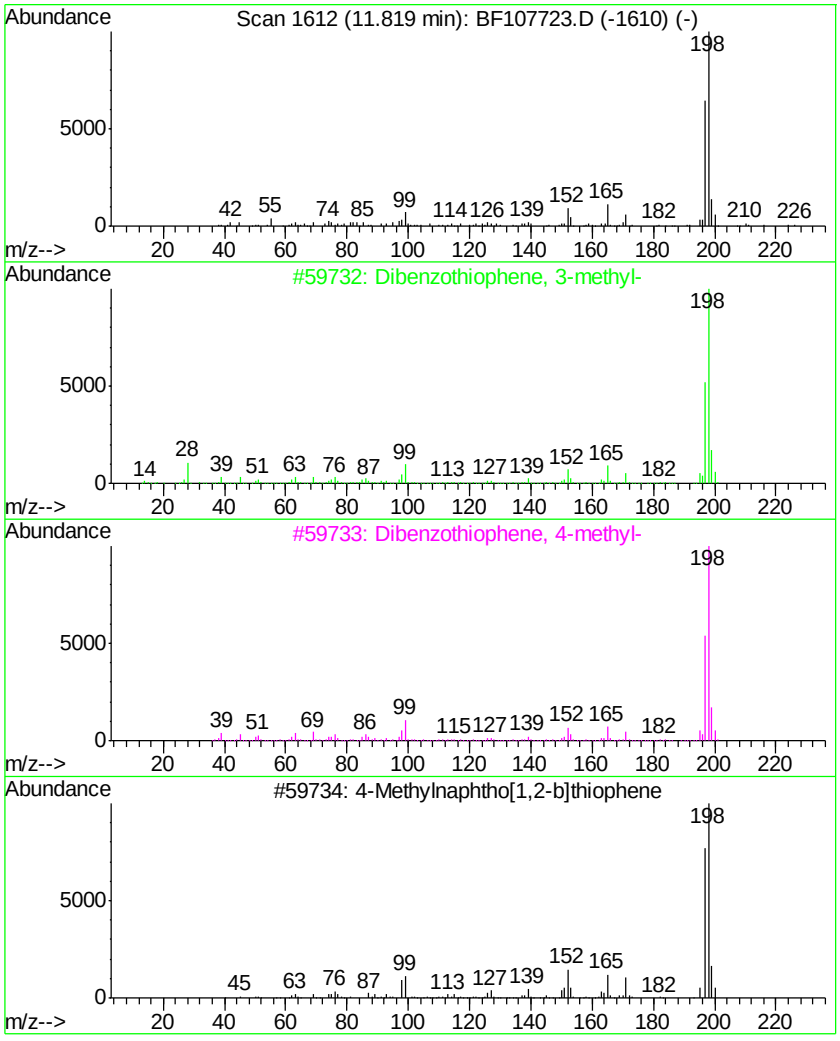
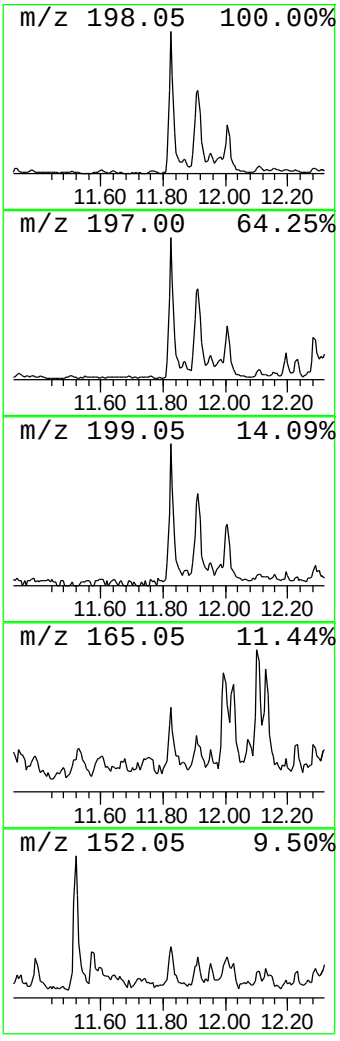
Peak Number 7 Dibenzothiophene, 3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	2.91 ng	184765	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
3	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	91
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	91
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72





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Sample : J4121-04
Misc :
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Instrument : BNA_F
ClientSampleId : SB-8(10-12)

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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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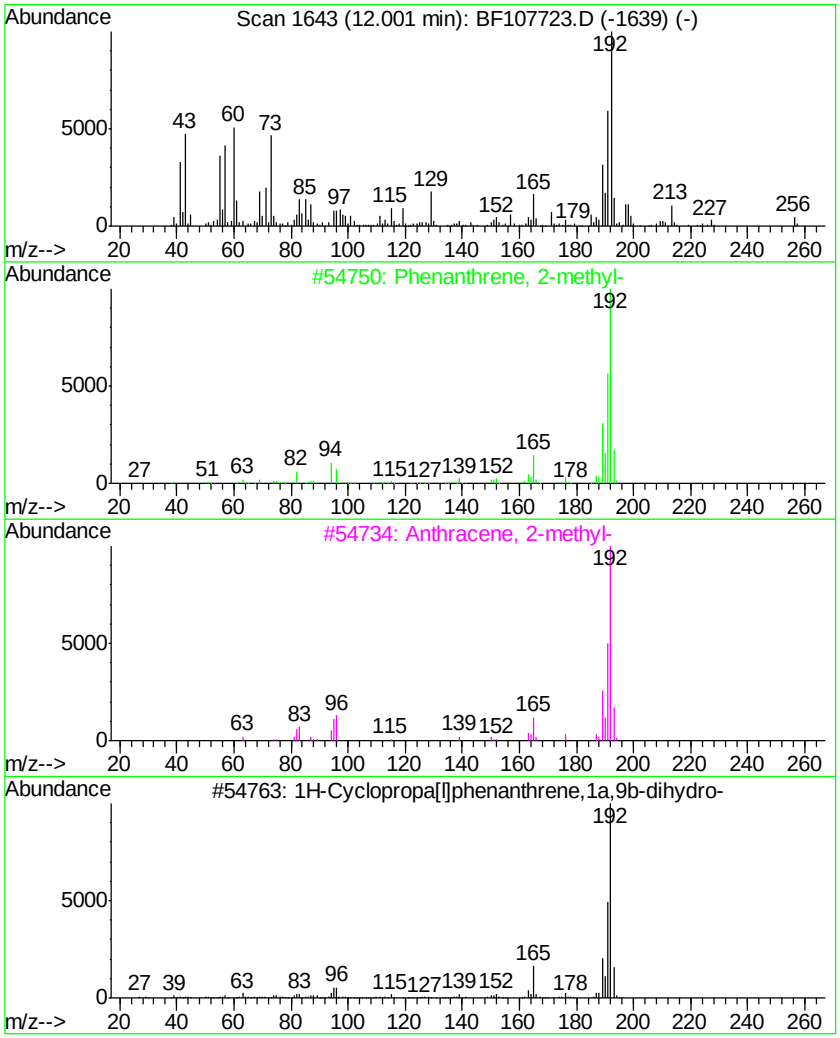
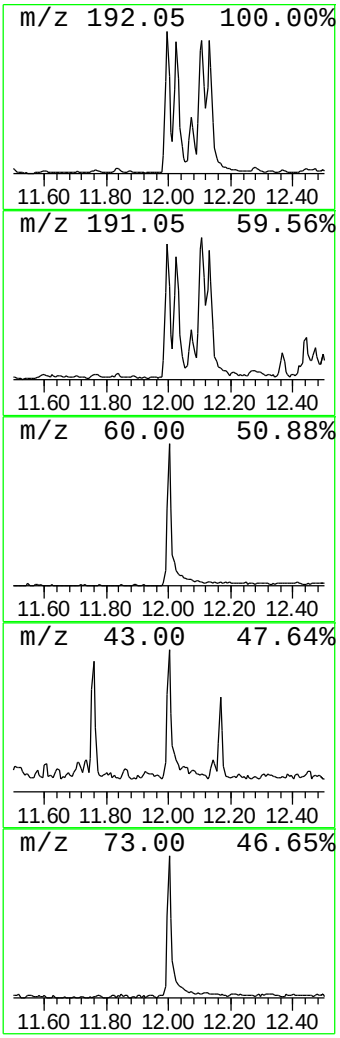
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	10.30 ng	653334	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91





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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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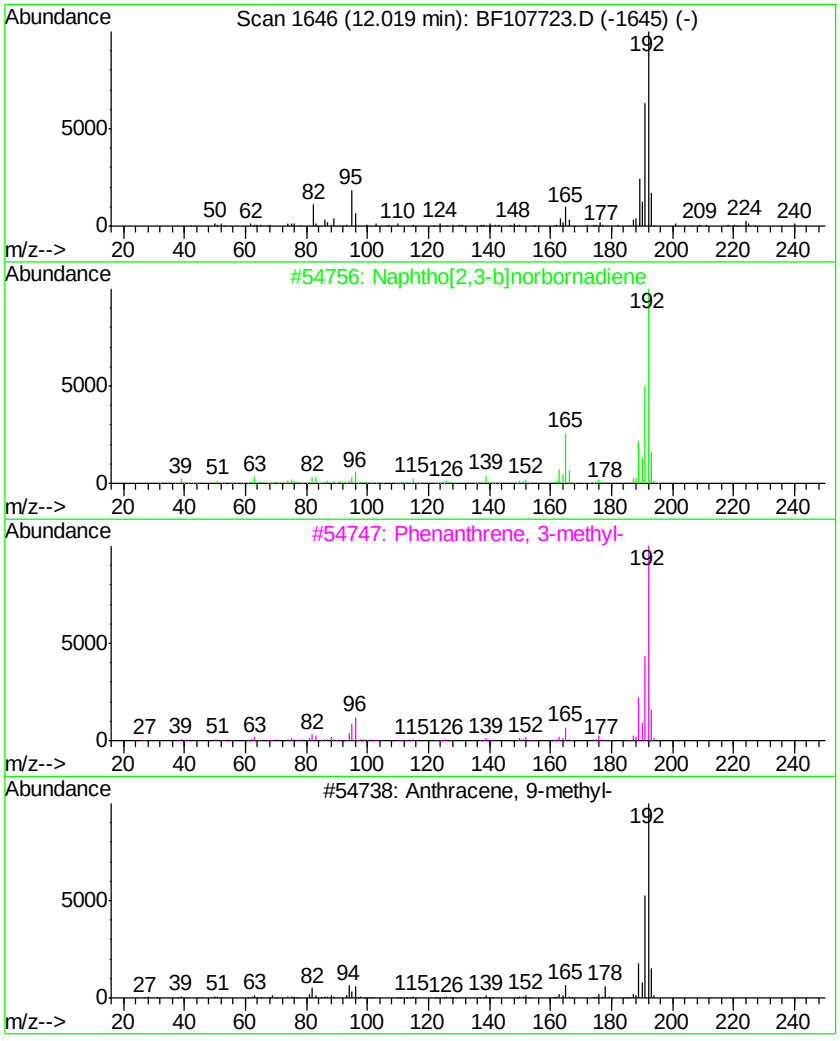
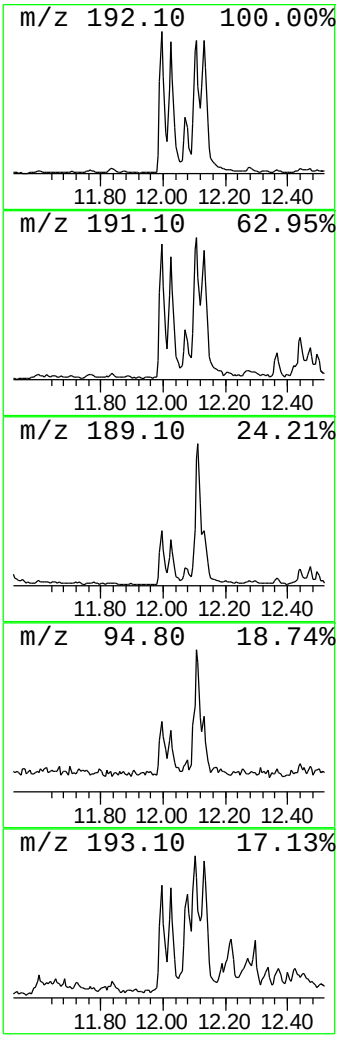
Peak Number 9 Naphtho[2,3-b]norbornadiene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	5.44 ng	345061	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	87
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	83





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Sample : J4121-04
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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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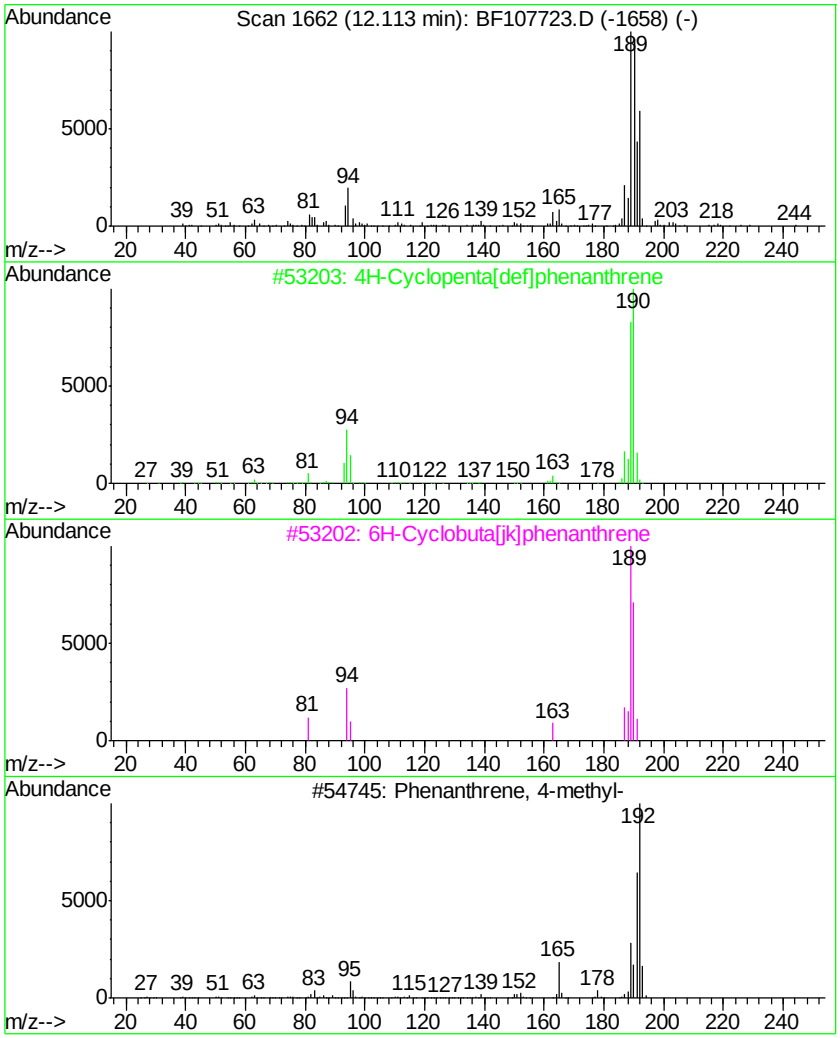
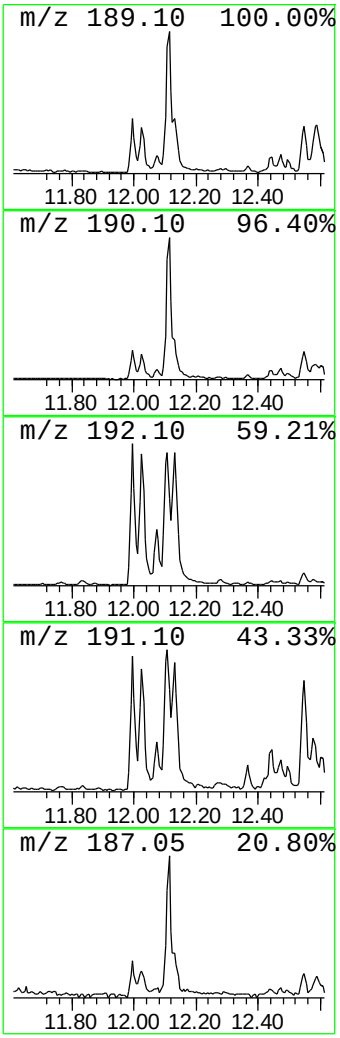
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	8.80 ng	558252	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42





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Misc :
ALS Vial : 27 Sample Multiplier: 1

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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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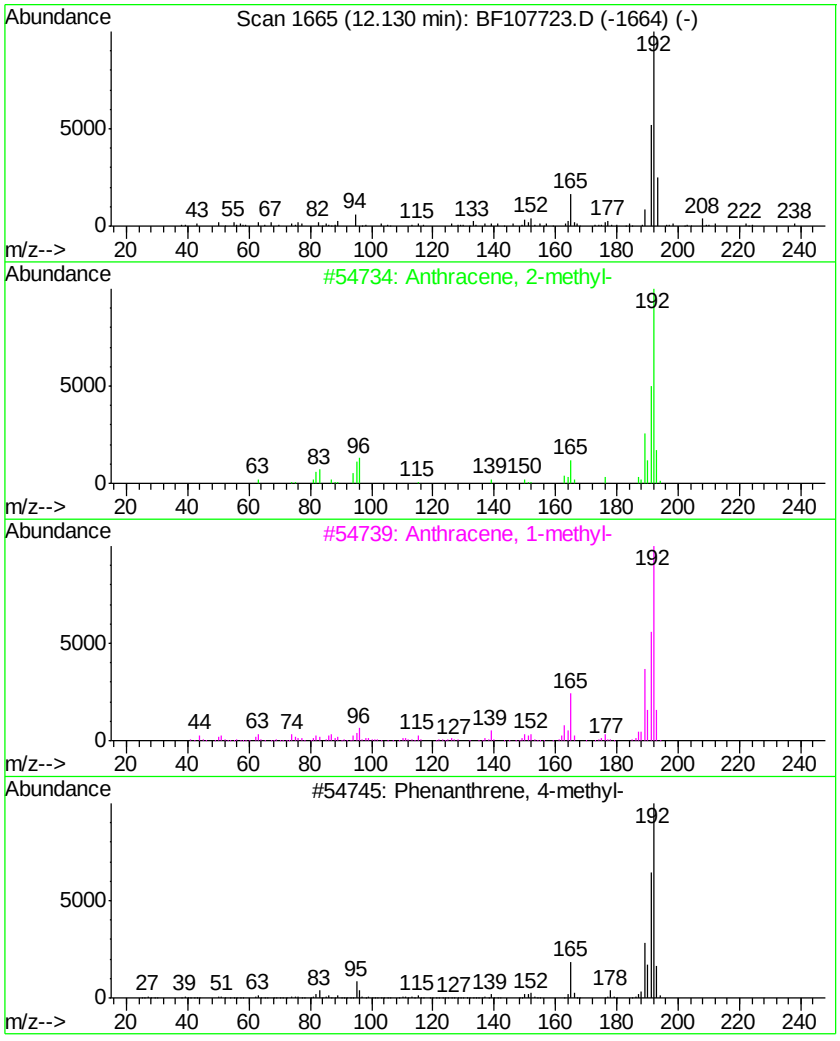
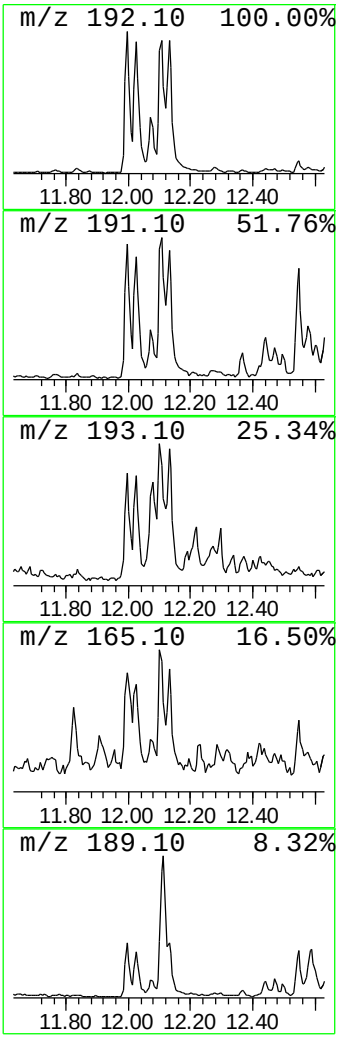
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	3.85 ng	244258	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	80
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	72
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	72
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	72
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	72





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Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(10-12)

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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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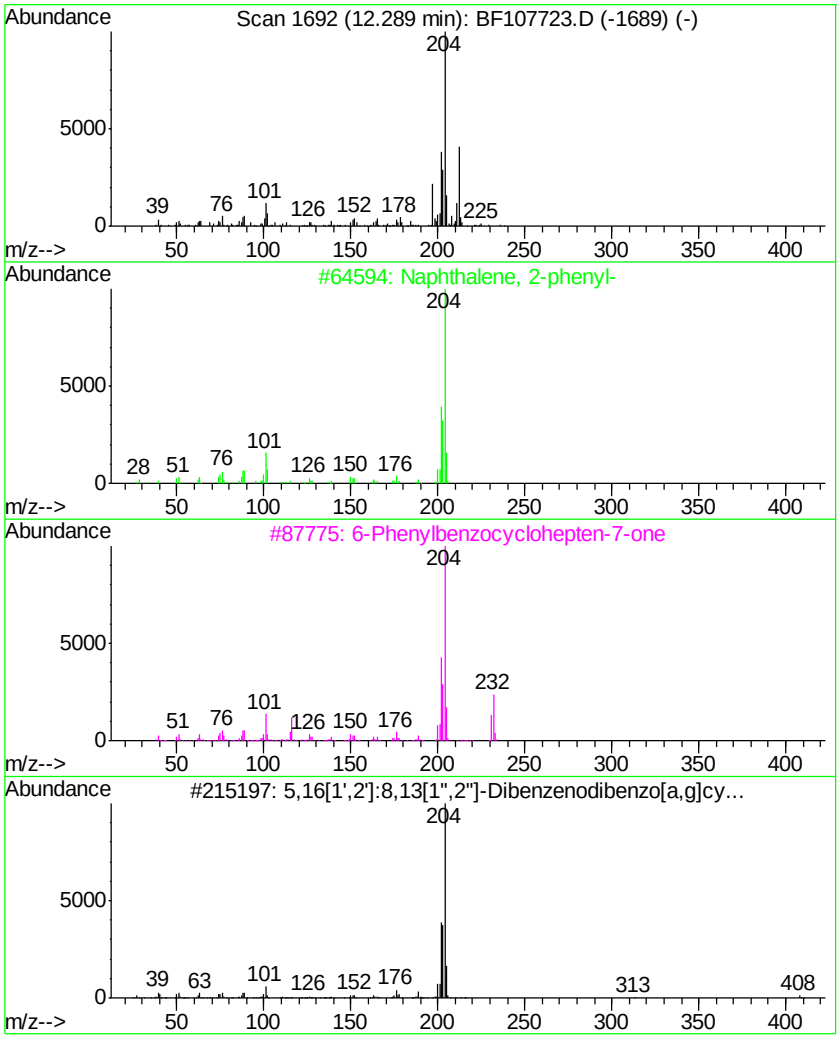
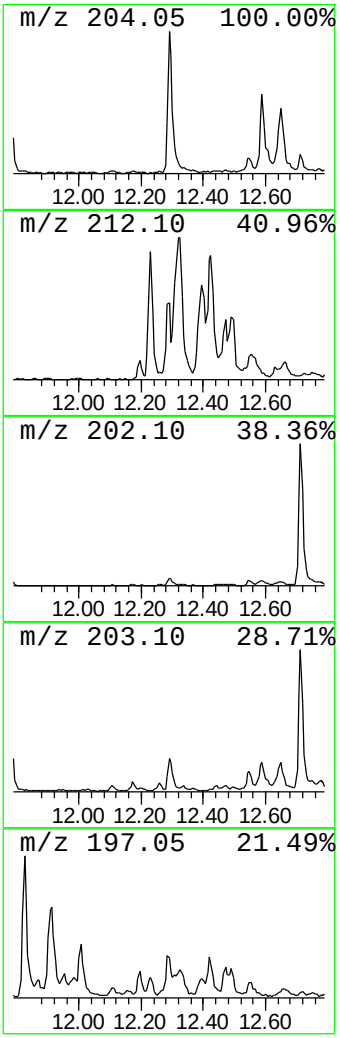
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	3.09 ng	196116	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	52
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	52
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	50
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43





Library Search Compound Report

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Sample : J4121-04
Misc :
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ClientSampleId : SB-8(10-12)

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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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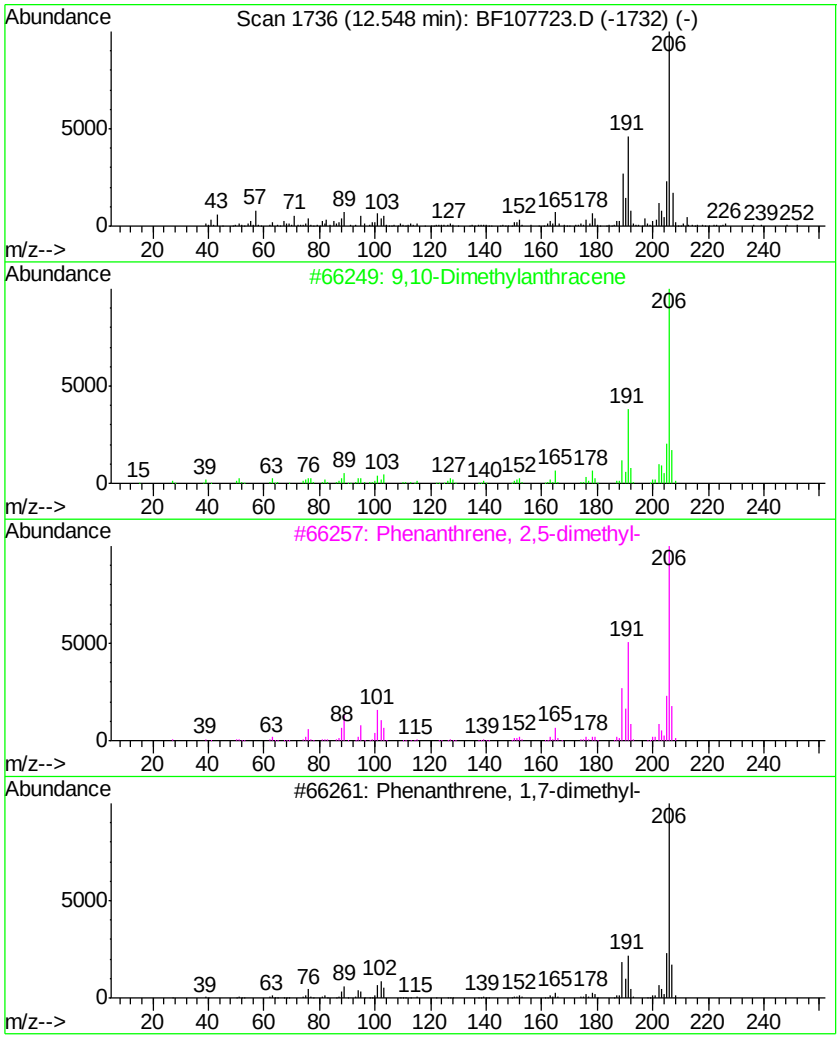
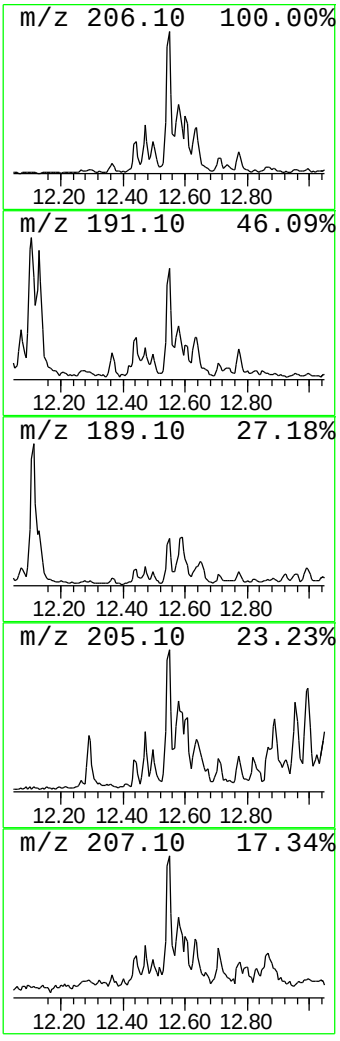
Peak Number 13 9,10-Dimethylanthracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	8.36 ng	530386	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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Misc :
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ClientSampleId : SB-8(10-12)

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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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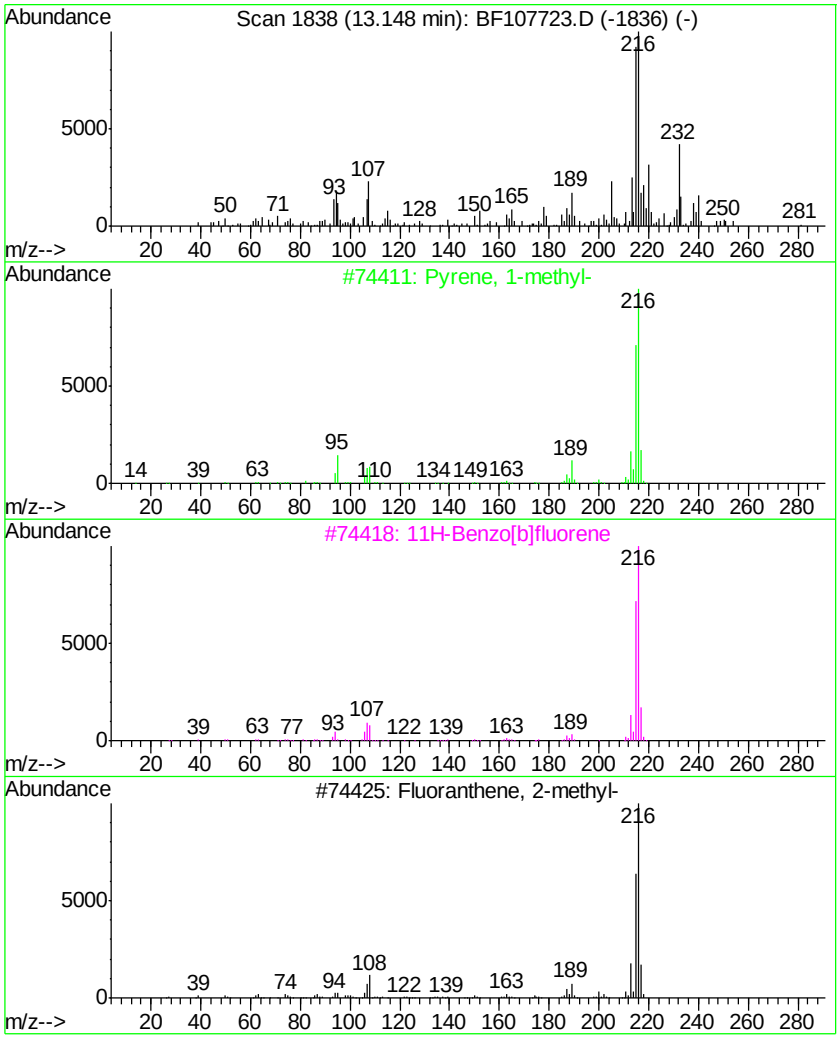
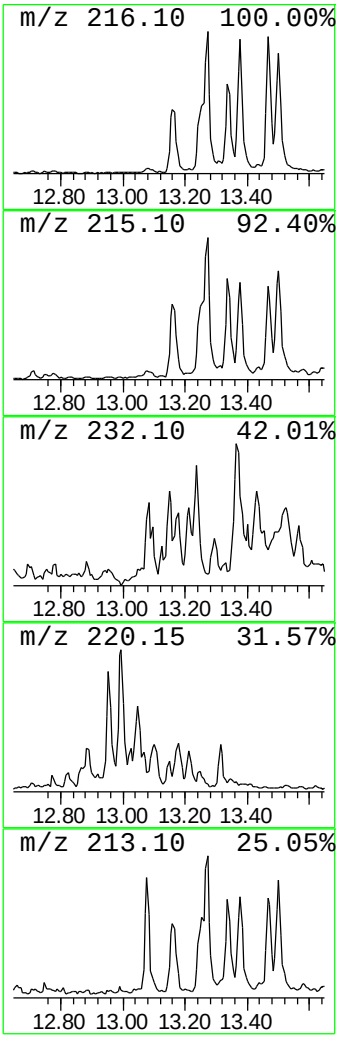
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	3.13 ng	283951	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74





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Misc :
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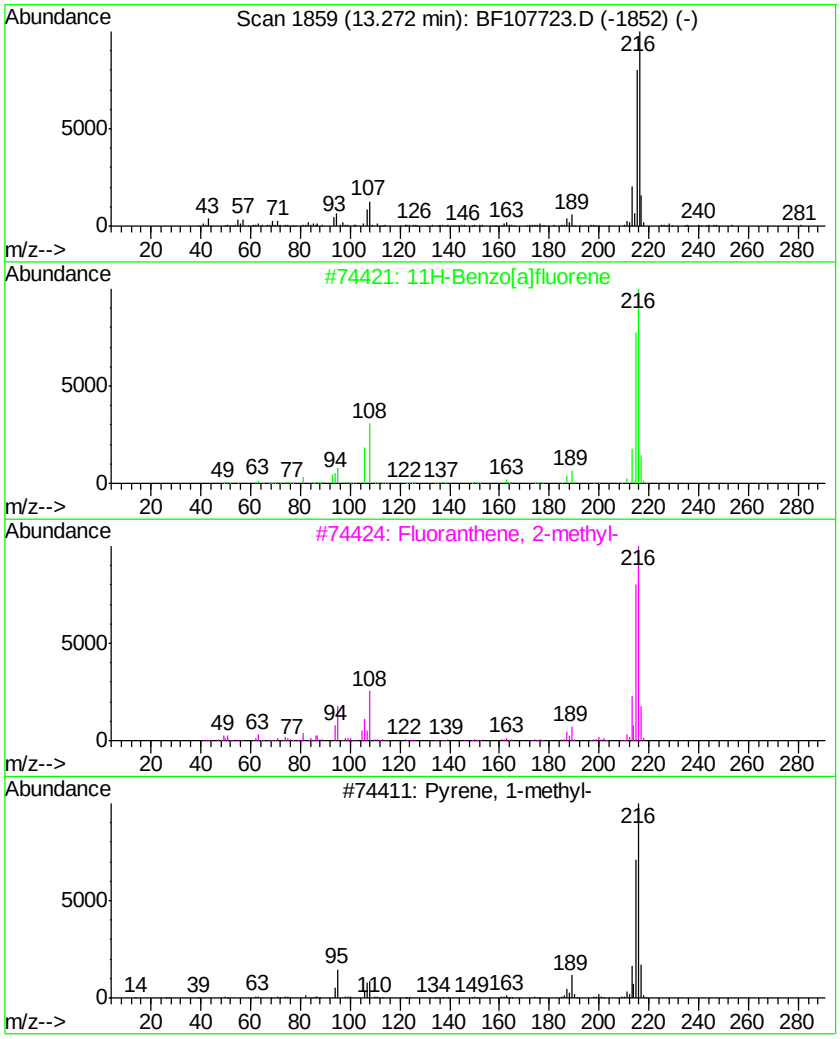
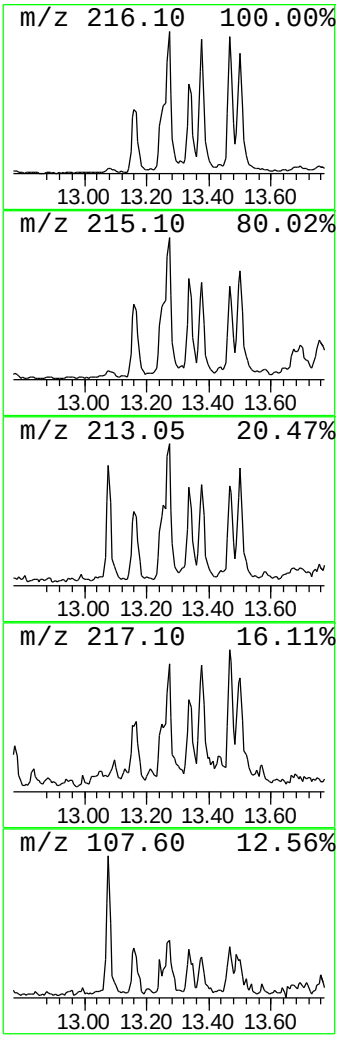
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	6.08 ng	551766	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





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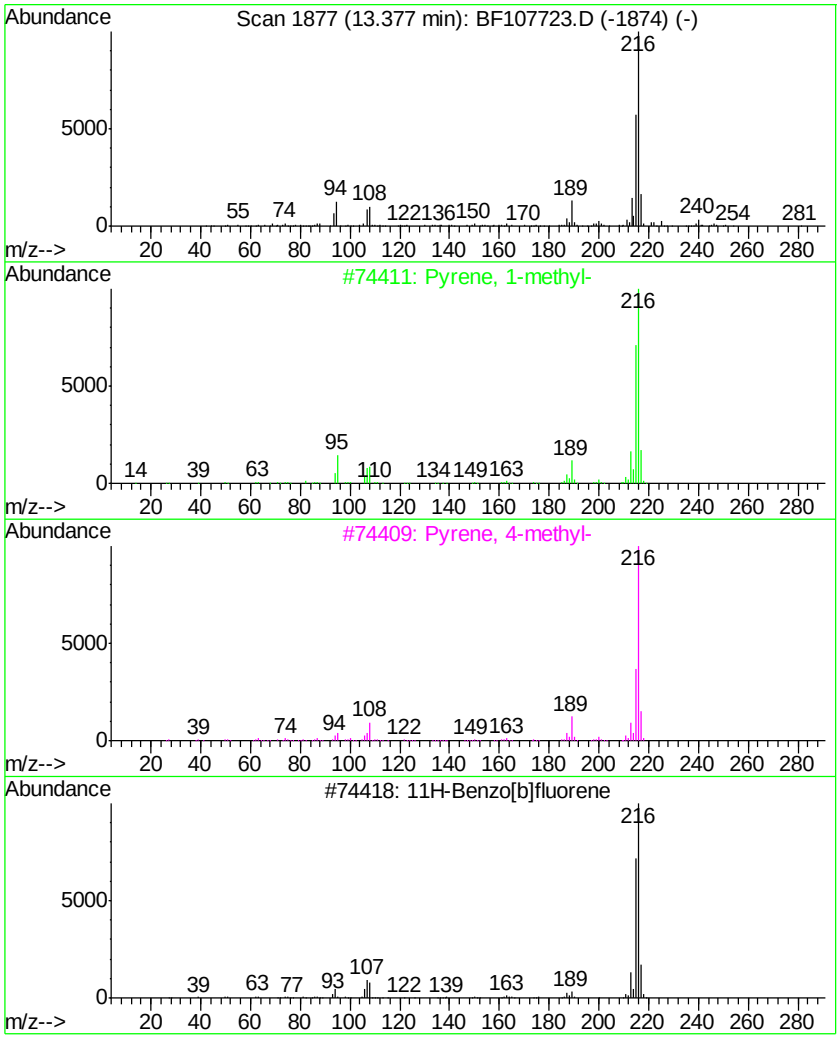
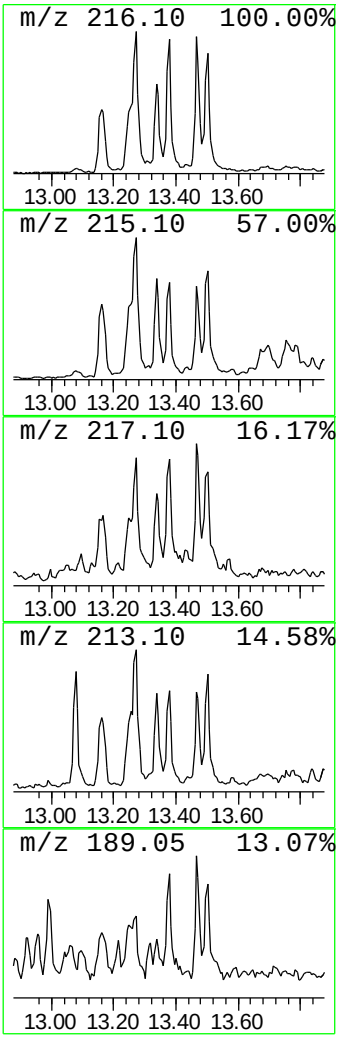
Peak Number 17 Pyrene, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	3.87 ng	351449	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





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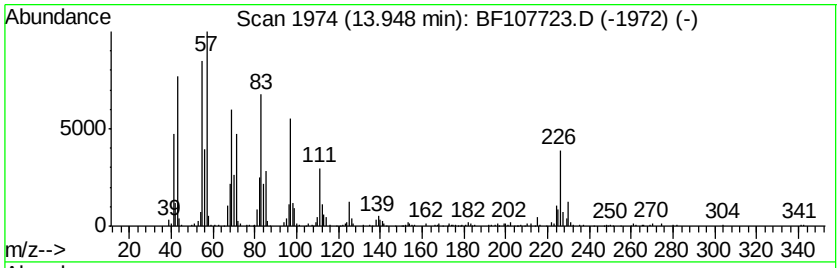
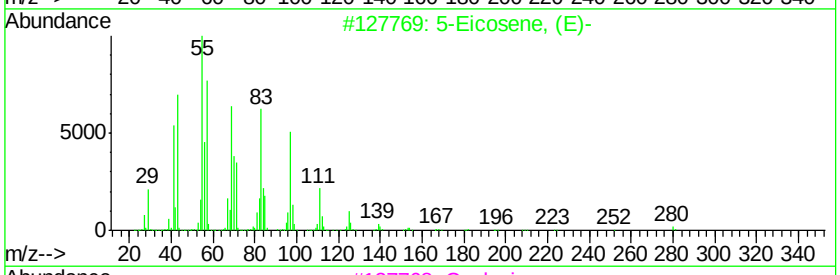
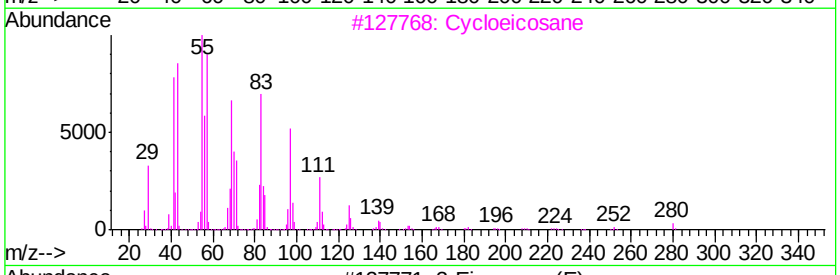
Peak Number 19 5-Eicosene, (E)- Concentration Rank 9

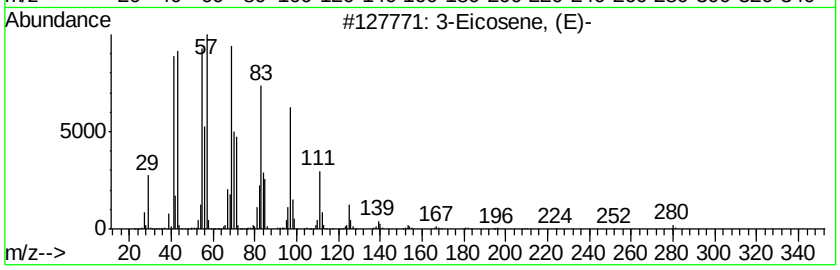
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	5.74 ng	521180	Chrysene-d12	14.15

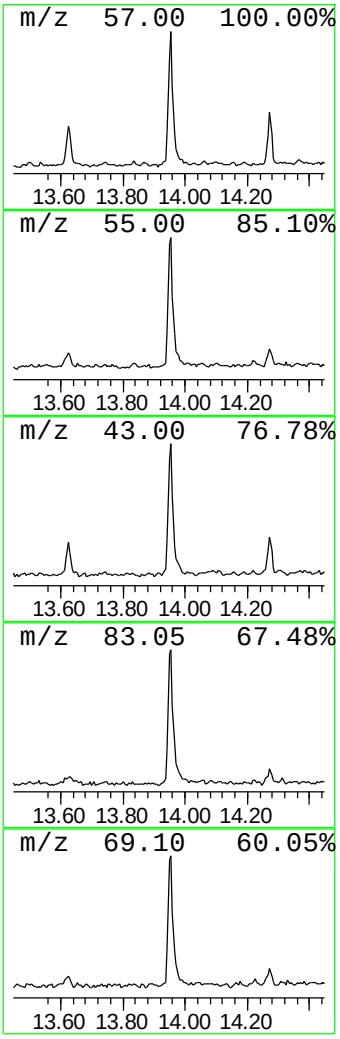
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	96
2	Cycloeicosane	280	C20H40	000296-56-0	95
3	3-Eicosene, (E)-	280	C20H40	074685-33-9	89
4	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	81
5	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	81











Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107723.D
Acq On : 27 Jul 2018 1:53
Operator : JU/SJ
Sample : J4121-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(10-12)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

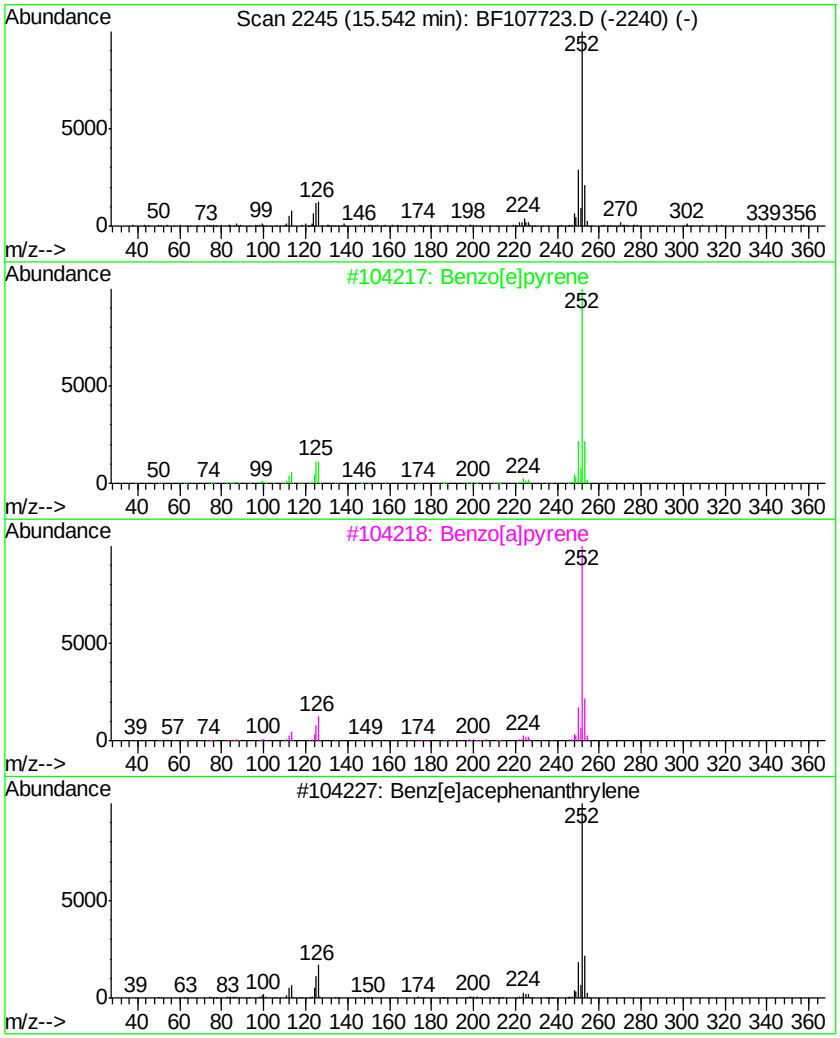
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

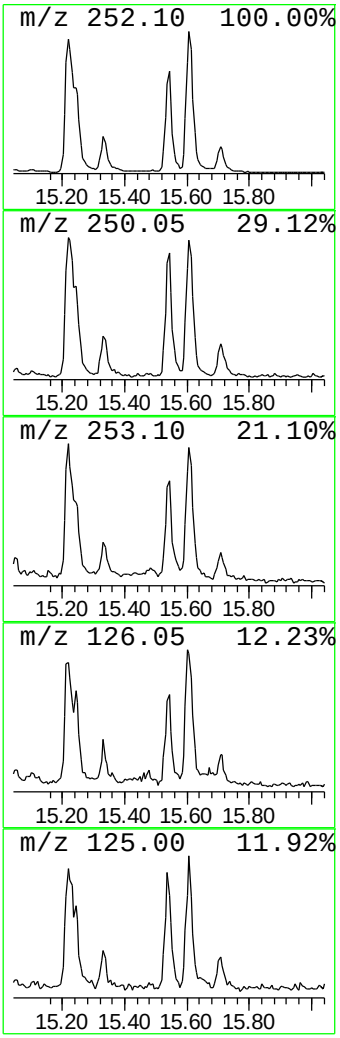
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	4.30 ng	328254	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Perylene	252	C20H12	000198-55-0	92





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107723.D
Acq On : 27 Jul 2018 1:53
Operator : JU/SJ
Sample : J4121-04
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-8(10-12)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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...	5.20	10.7	ng	602327	1	6.96	1129520	20.0
unknown6.74	6.74	72.5	ng	4094150	1	6.96	1129520	20.0
Dodecane, 3-methyl-	10.41	3.4	ng	303652	3	10.00	1771670	20.0
Heptadecane	10.88	8.2	ng	519285	4	11.50	1268630	20.0
Heptacosane	11.33	3.0	ng	191211	4	11.50	1268630	20.0
Dibenzothiophene,...	11.82	2.9	ng	184765	4	11.50	1268630	20.0
Phenanthrene, 2-m...	12.00	10.3	ng	653334	4	11.50	1268630	20.0
Naphtho[2,3-b]nor...	12.02	5.4	ng	345061	4	11.50	1268630	20.0
4H-Cyclopenta[def...	12.11	8.8	ng	558252	4	11.50	1268630	20.0
Anthracene, 2-met...	12.13	3.9	ng	244258	4	11.50	1268630	20.0
Naphthalene, 2-ph...	12.29	3.1	ng	196116	4	11.50	1268630	20.0
9,10-Dimethylanth...	12.55	8.4	ng	530386	4	11.50	1268630	20.0
Pyrene, 1-methyl-	13.15	3.1	ng	283951	5	14.15	1815760	20.0
11H-Benzo[a]fluorene	13.27	6.1	ng	551766	5	14.15	1815760	20.0
Pyrene, 4-methyl-	13.38	3.9	ng	351449	5	14.15	1815760	20.0
5-Eicosene, (E)-	13.95	5.7	ng	521180	5	14.15	1815760	20.0
Benzo[e]pyrene	15.54	4.3	ng	328254	6	15.68	1527650	20.0