LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072319\
Data File : BF115737.D
Acq On : 23 Jul 2019 23:28
Operator : HP/JU
Sample : K3618-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-072219

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-BF071219.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	2.181	9	16	26	rVB	609562	841377	12.84%	0.809%
2	5.498	575	580	583	rBV	3293323	3169353	48.36%	3.046%
3	6.504	745	751	763	rBV	3160509	3444643	52.57%	3.310%
4	6.645	770	775	778	rBV	3416929	3536309	53.96%	3.398%
5	6.869	810	813	817	rBV	1285620	1070903	16.34%	1.029%
6	7.028	836	840	843	rBV	3229671	2817234	42.99%	2.707%
7	7.428	903	908	911	rBV	2270200	2274347	34.71%	2.186%
8	8.151	1026	1031	1033	rBV	1603676	1579077	24.10%	1.518%
9	8.175	1033	1035	1038	rVV	1591321	1307028	19.95%	1.256%
10	8.863	1148	1152	1157	rBV	1232955	1006875	15.36%	0.968%
11	8.963	1164	1169	1178	rVB	841088	731197	11.16%	0.703%
12	9.228	1209	1214	1217	rBV	4428619	4036433	61.60%	3.879%
13	9.328	1224	1231	1237	rBV	316392	323204	4.93%	0.311%
14	9.422	1244	1247	1252	rVB	171172	184781	2.82%	0.178%
15	9.492	1254	1259	1263	rVV	405138	546460	8.34%	0.525%
16	9.563	1267	1271	1274	rVV	615988	630681	9.62%	0.606%
17	9.592	1274	1276	1278	rVV	403257	338541	5.17%	0.325%
18	9.616	1278	1280	1285	rVV	667639	539829	8.24%	0.519%
19	9.680	1287	1291	1297	rVV	279942	315006	4.81%	0.303%
20	9.763	1300	1305	1310	rBV	302603	284468	4.34%	0.273%
21	9.904	1326	1329	1332	rVB	1761686	1548863	23.64%	1.489%
22	9.939	1332	1335	1338	rVB	1832941	1476005	22.52%	1.418%
23	10.110	1360	1364	1368	rBV	1520363	1276229	19.48%	1.226%
24	10.145	1368	1370	1374	rVB	195969	171252	2.61%	0.165%
25	10.222	1379	1383	1386	rBV2	166909	173924	2.65%	0.167%
26	10.310	1394	1398	1400	rBV	119533	163711	2.50%	0.157%
27	10.451	1418	1422	1428	rVB	2190149	2188255	33.39%	2.103%
28	10.516	1432	1433	1435	rVV	183149	160807	2.45%	0.155%
29	10.539	1435	1437	1439	rVV	299958	245337	3.74%	0.236%
30	10.610	1446	1449	1455	rVB	439907	390920	5.97%	0.376%
31	10.692	1457	1463	1467	rBV	2806537	2884583	44.02%	2.772%
32	10.816	1479	1484	1490	rVB4	160748	230508	3.52%	0.222%
33	10.998	1508	1515	1518	rBV2	427059	546069	8.33%	0.525%
34	11.027	1518	1520	1523	rVV2	240358	224528	3.43%	0.216%

LSC Area Percent Report

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Sample : K3618-07
Misc :
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Instrument : BNA_F
ClientSampleId : HD-02-072219

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-BF071219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.080	1526	1529	1532	rVV	211734	212202	3.24%	0.204%
36	11.127	1532	1537	1539	rVV3	144836	207596	3.17%	0.200%
37	11.151	1539	1541	1546	rVV	173001	210517	3.21%	0.202%
38	11.239	1553	1556	1561	rVV4	163581	267724	4.09%	0.257%
39	11.286	1561	1564	1570	rVB	709020	632721	9.66%	0.608%
40	11.392	1576	1582	1584	rBV	1474881	1764022	26.92%	1.695%
41	11.427	1584	1588	1590	rVV	5883009	6553099	100.00%	6.298%
42	11.469	1590	1595	1598	rVV	2632526	2388366	36.45%	2.295%
43	11.498	1598	1600	1604	rVB2	199374	207052	3.16%	0.199%
44	11.616	1617	1620	1623	rBV	566064	487112	7.43%	0.468%
45	11.686	1629	1632	1635	rBV2	238467	203922	3.11%	0.196%
46	11.722	1635	1638	1643	rVB2	206490	203408	3.10%	0.195%
47	11.892	1661	1667	1669	rBV	1021125	917892	14.01%	0.882%
48	11.922	1669	1672	1676	rVB	1425890	1294216	19.75%	1.244%
49	11.969	1677	1680	1683	rBV	485020	408290	6.23%	0.392%
50	12.010	1683	1687	1689	rBV2	1692874	1890899	28.86%	1.817%
51	12.186	1714	1717	1720	rVV	682701	583025	8.90%	0.560%
52	12.333	1737	1742	1745	rBV2	166649	179172	2.73%	0.172%
53	12.369	1745	1748	1750	rBV	195286	164028	2.50%	0.158%
54	12.445	1756	1761	1763	rBV	401140	477127	7.28%	0.459%
55	12.480	1763	1767	1773	rVB5	393059	674587	10.29%	0.648%
56	12.527	1773	1775	1780	rVB2	177523	248375	3.79%	0.239%
57	12.616	1784	1790	1793	rBV	4877028	5598594	85.43%	5.380%
58	12.757	1810	1814	1818	rVB2	202021	222769	3.40%	0.214%
59	12.839	1821	1828	1833	rBV2	4337492	6058424	92.45%	5.822%
60	12.880	1833	1835	1840	rVB2	289447	327361	5.00%	0.315%
61	12.951	1844	1847	1848	rBV	365595	328907	5.02%	0.316%
62	12.974	1848	1851	1854	rVB	3468989	2888705	44.08%	2.776%
63	13.051	1859	1864	1867	rBV3	350331	601693	9.18%	0.578%
64	13.139	1875	1879	1880	rVV3	289371	363371	5.55%	0.349%
65	13.163	1880	1883	1886	rVB	1186718	1031287	15.74%	0.991%
66	13.227	1891	1894	1897	rVV	1163551	961777	14.68%	0.924%
67	13.263	1897	1900	1903	rVV2	520263	580118	8.85%	0.558%
68	13.357	1913	1916	1919	rBV	278169	229111	3.50%	0.220%
69	13.386	1919	1921	1925	rBV	284808	259885	3.97%	0.250%
70	13.639	1961	1964	1967	rBV	169379	220774	3.37%	0.212%
71	13.668	1967	1969	1973	rVB3	133133	182741	2.79%	0.176%

LSC Area Percent Report

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Sample : K3618-07
Misc :
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Instrument : BNA_F
ClientSampleId : HD-02-072219

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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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.780	1984	1988	1990	rBV	337712	341994	5.22%	0.329%
73	13.804	1990	1992	1994	rVV	368833	320399	4.89%	0.308%
74	13.833	1994	1997	2002	rVB2	277408	368729	5.63%	0.354%
75	13.915	2007	2011	2014	rBV3	113268	216581	3.31%	0.208%
76	14.021	2023	2029	2033	rBV3	2679774	3969477	60.57%	3.815%
77	14.057	2033	2035	2041	rVB	2088503	1962766	29.95%	1.886%
78	14.139	2046	2049	2052	rVV	571270	495526	7.56%	0.476%
79	14.215	2059	2062	2065	rVB2	192050	171624	2.62%	0.165%
80	14.251	2065	2068	2072	rBV2	229960	288108	4.40%	0.277%
81	14.380	2088	2090	2092	rVV	159111	163474	2.49%	0.157%
82	14.415	2092	2096	2099	rVV	492285	584391	8.92%	0.562%
83	14.451	2099	2102	2105	rVV	236369	259103	3.95%	0.249%
84	14.510	2106	2112	2115	rVV2	296955	526044	8.03%	0.506%
85	14.539	2115	2117	2119	rVV	338051	339189	5.18%	0.326%
86	14.563	2119	2121	2124	rVV	454321	406218	6.20%	0.390%
87	14.610	2124	2129	2135	rVB4	156676	276870	4.23%	0.266%
88	15.074	2203	2208	2211	rBV	1661983	2682908	40.94%	2.578%
89	15.139	2217	2219	2223	rVB2	168498	194999	2.98%	0.187%
90	15.180	2223	2226	2230	rVB	445750	443797	6.77%	0.427%
91	15.380	2255	2260	2265	rVB	1031164	1430519	21.83%	1.375%
92	15.445	2265	2271	2276	rBV	1690950	2207234	33.68%	2.121%
93	15.504	2276	2281	2283	rVV	927522	1238444	18.90%	1.190%
94	15.533	2283	2286	2293	rVB2	610986	867233	13.23%	0.833%
95	16.062	2373	2376	2386	rVB2	151617	234330	3.58%	0.225%
96	16.209	2398	2401	2408	rVB2	117715	164187	2.51%	0.158%
97	16.980	2525	2532	2539	rVB2	741962	1536354	23.44%	1.476%
98	17.145	2557	2560	2566	rVB	123159	207756	3.17%	0.200%
99	17.427	2601	2608	2619	rVB	540319	1139430	17.39%	1.095%
100	17.656	2643	2647	2654	rVB	177207	327870	5.00%	0.315%

Sum of corrected areas: 104055160

LSC Report - Integrated Chromatogram

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Acq On : 23 Jul 2019 23:28
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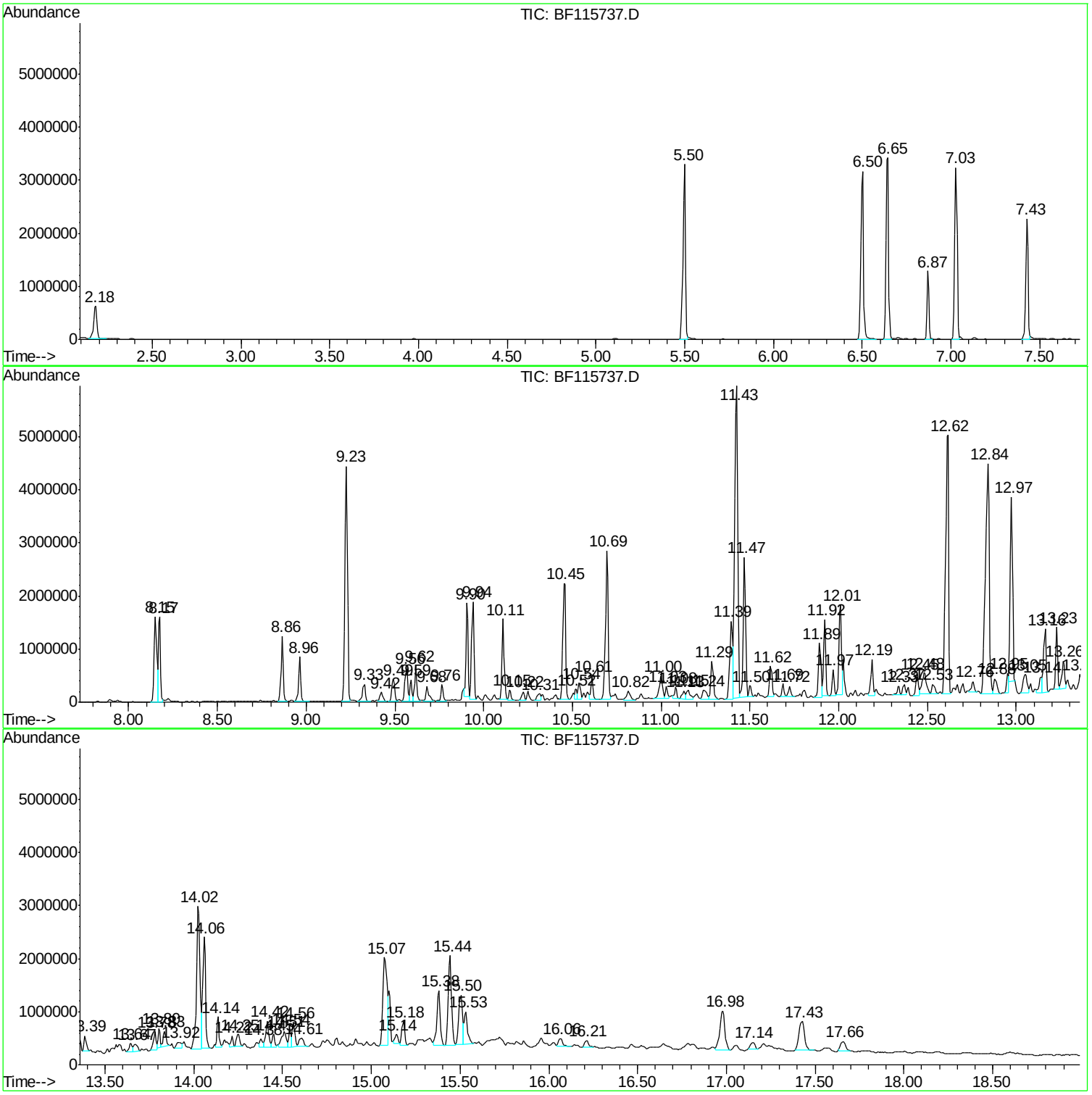
Sample : K3618-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-072219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072319\
Data File : BF115737.D
Acq On : 23 Jul 2019 23:28
Operator : HP/JU
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Misc :
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Instrument : BNA_F
ClientSampleId : HD-02-072219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

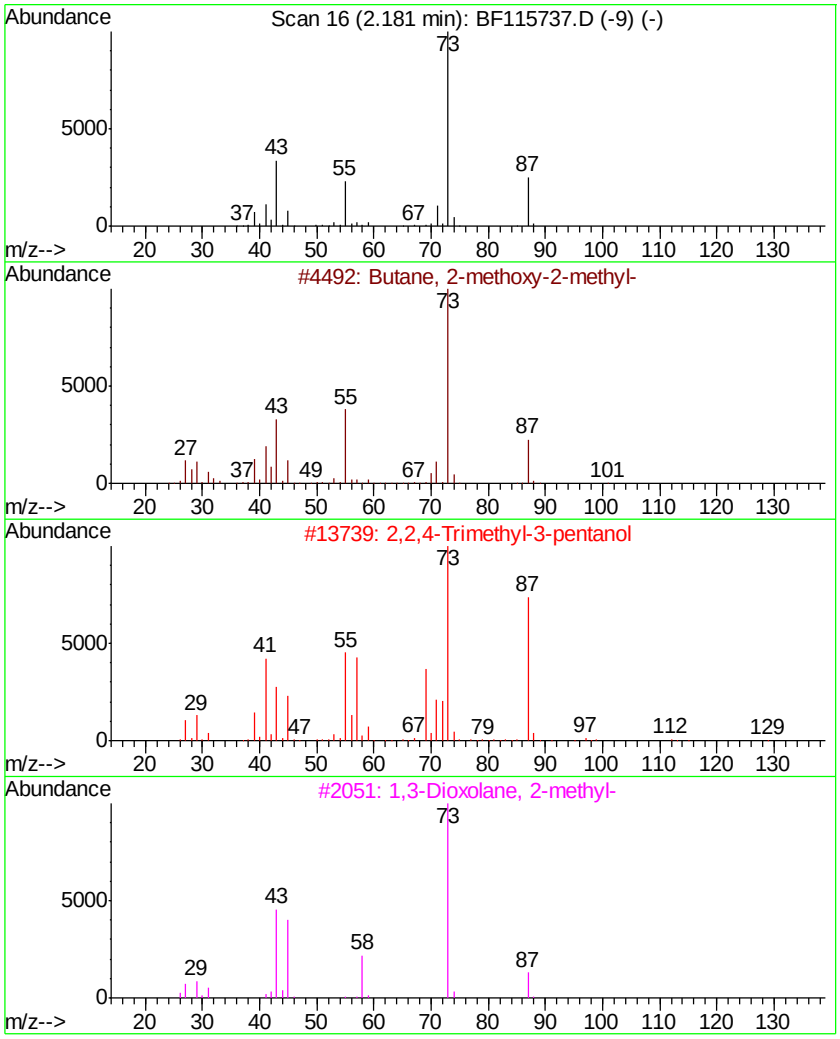
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

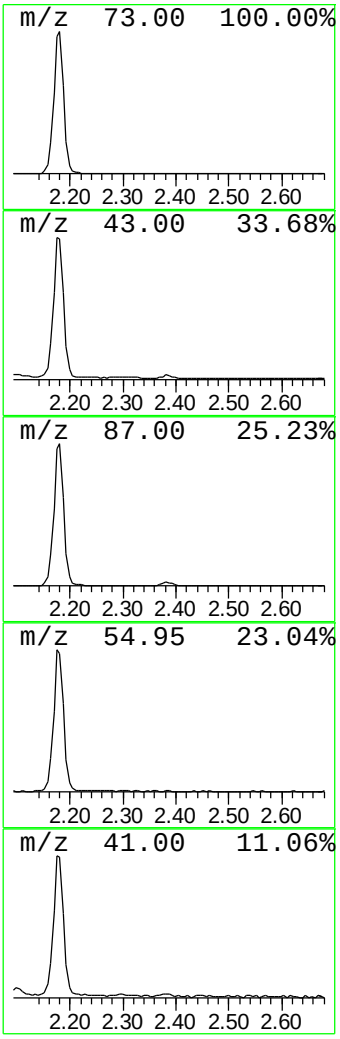
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.18	15.71 ng	841377	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





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Instrument : BNA_F
ClientSampleId : HD-02-072219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

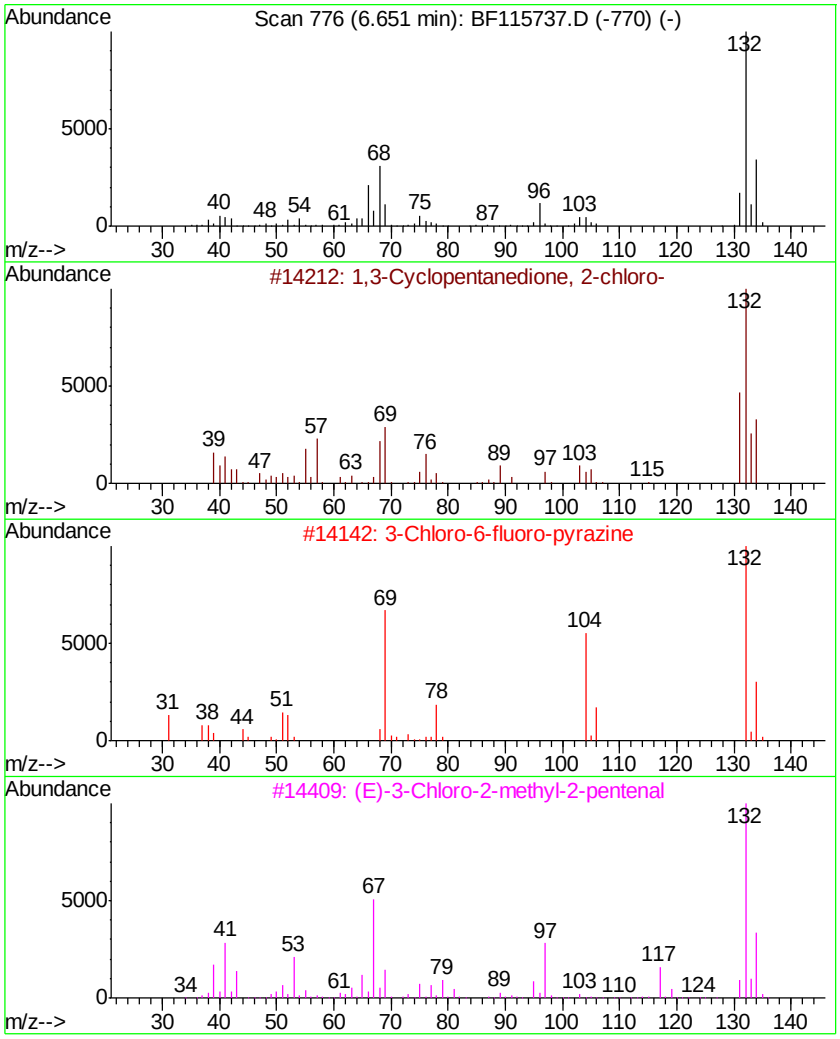
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

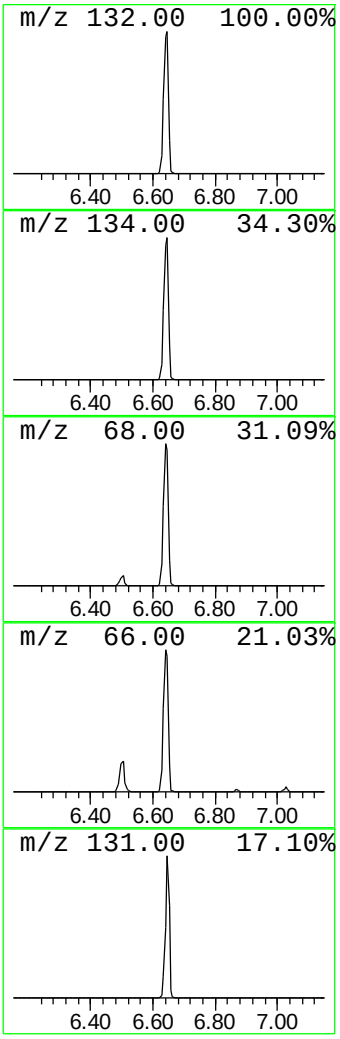
****

Peak Number 2 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	66.04 ng	3536310	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	47
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
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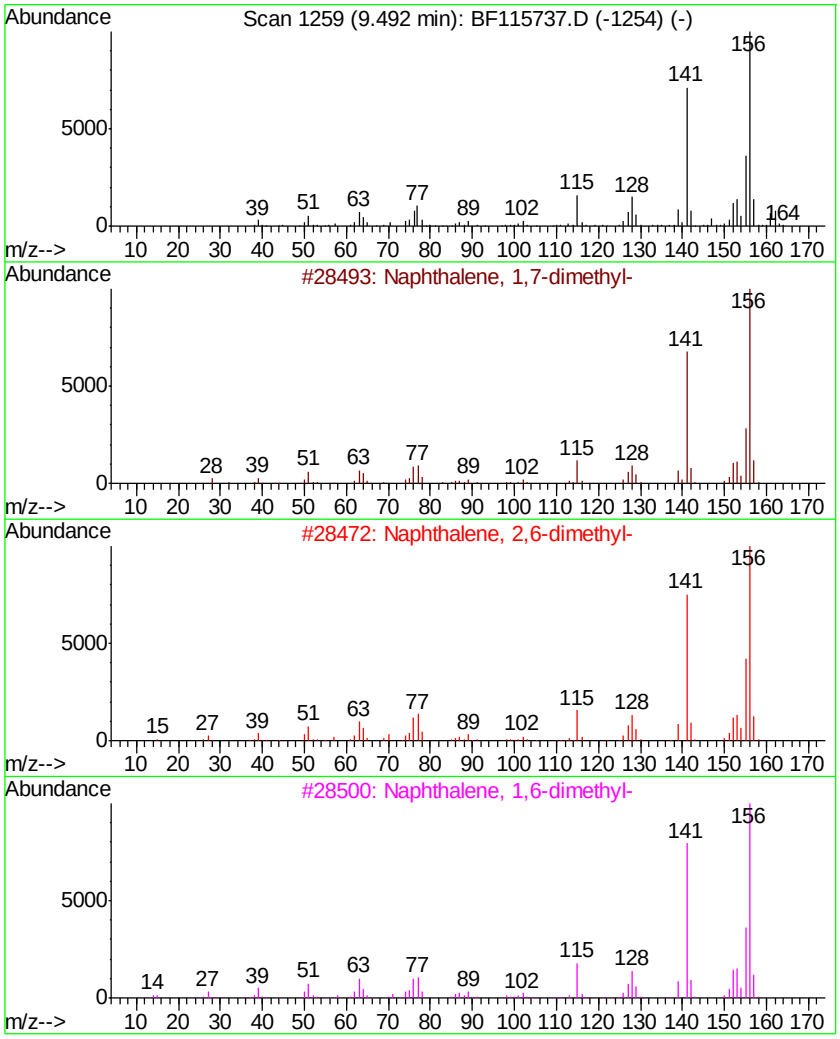
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

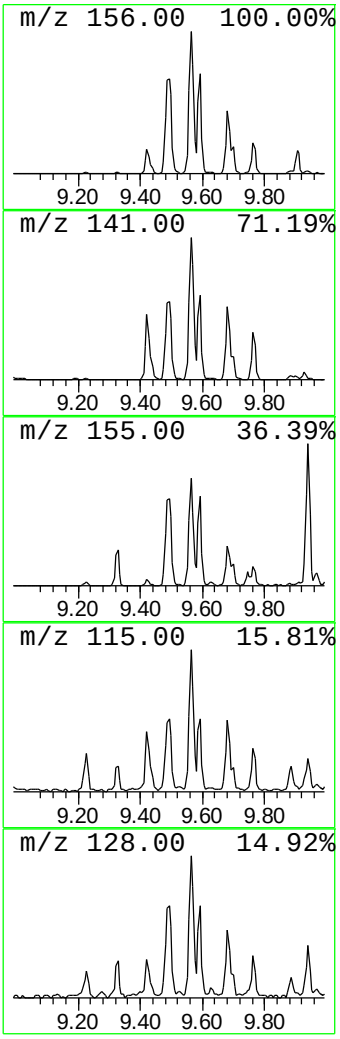
****

Peak Number 4 Naphthalene, 1,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	7.06 ng	546460	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





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Misc :
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Instrument : BNA_F
ClientSampleId : HD-02-072219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

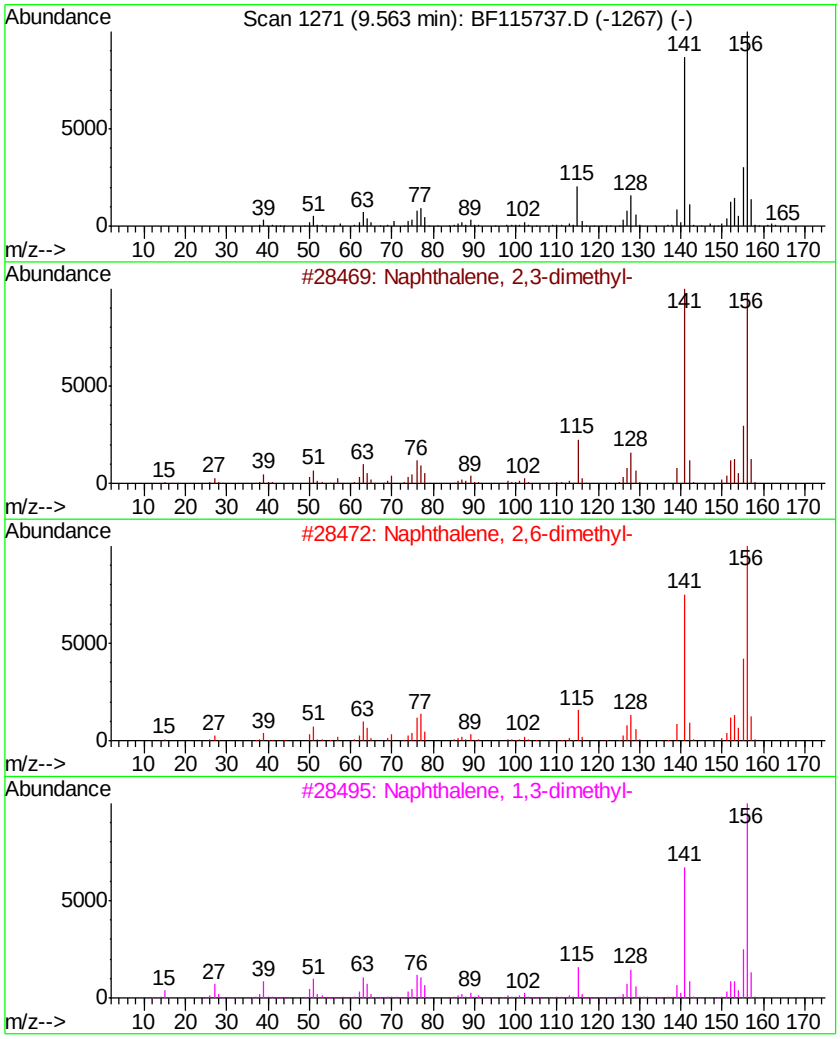
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

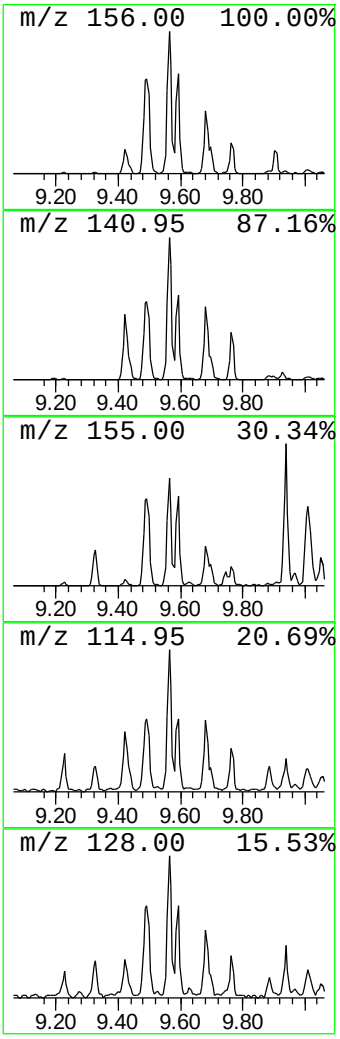
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	8.14 ng	630681	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





Library Search Compound Report

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Data File : BF115737.D
Acq On : 23 Jul 2019 23:28
Operator : HP/JU
Sample : K3618-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-072219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

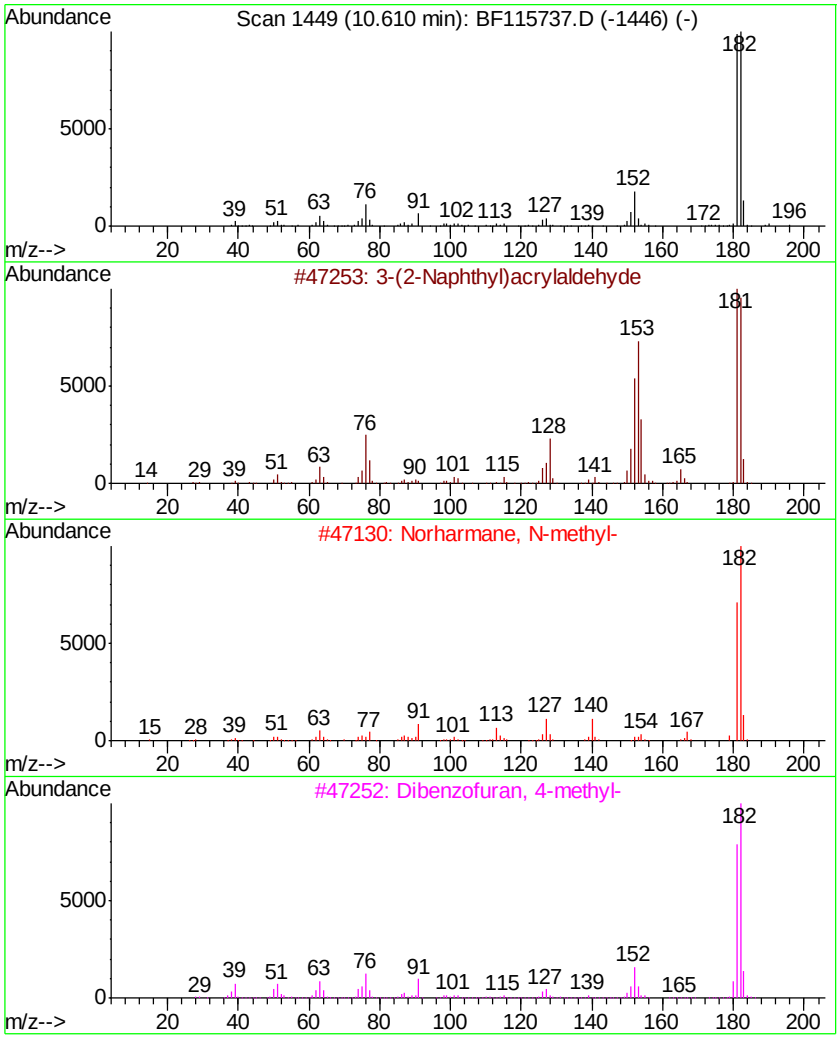
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

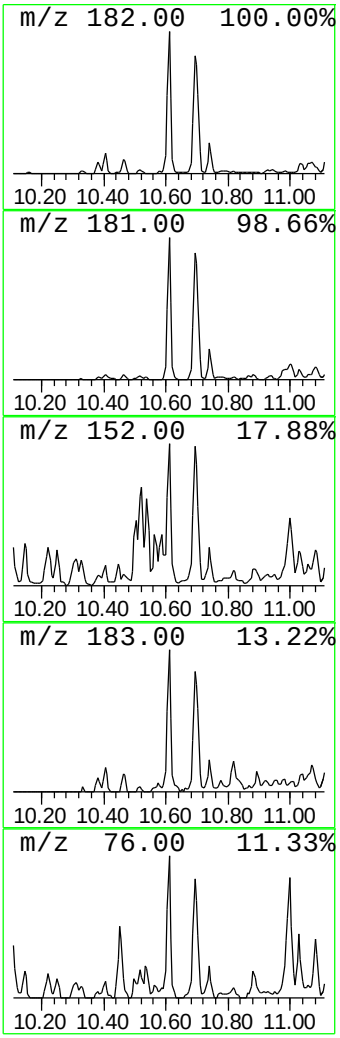
****

Peak Number 6 3-(2-Naphthyl)acrylaldehyde Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.61	5.05 ng	390920	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	78
2	Norharmane, N-methyl-	182	C12H10N2	1000374-78-6	72
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	64
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	62





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Acq On : 23 Jul 2019 23:28
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Sample : K3618-07
Misc :
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Instrument : BNA_F
ClientSampleId : HD-02-072219

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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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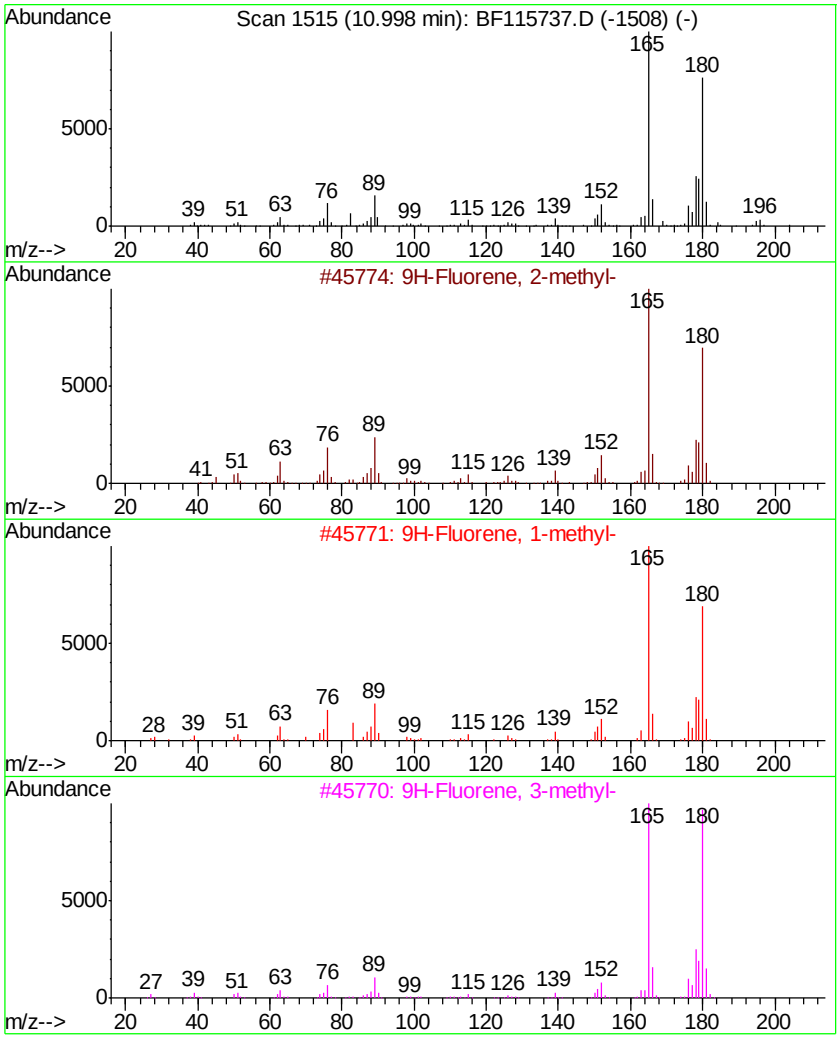
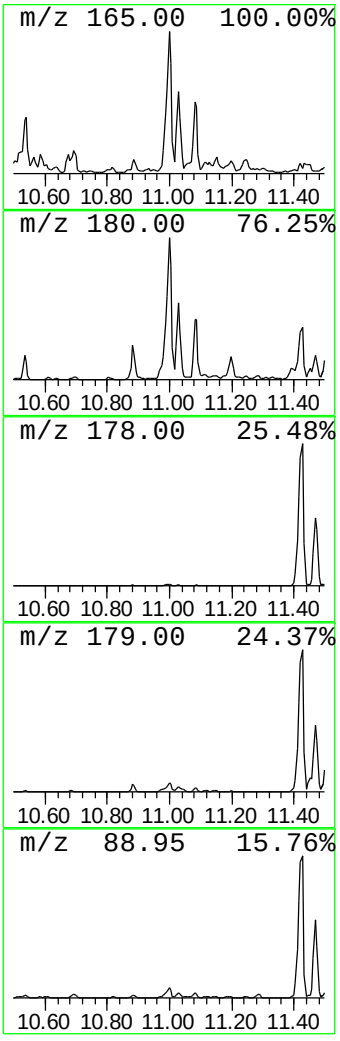
Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.00	6.19 ng	546069	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	87





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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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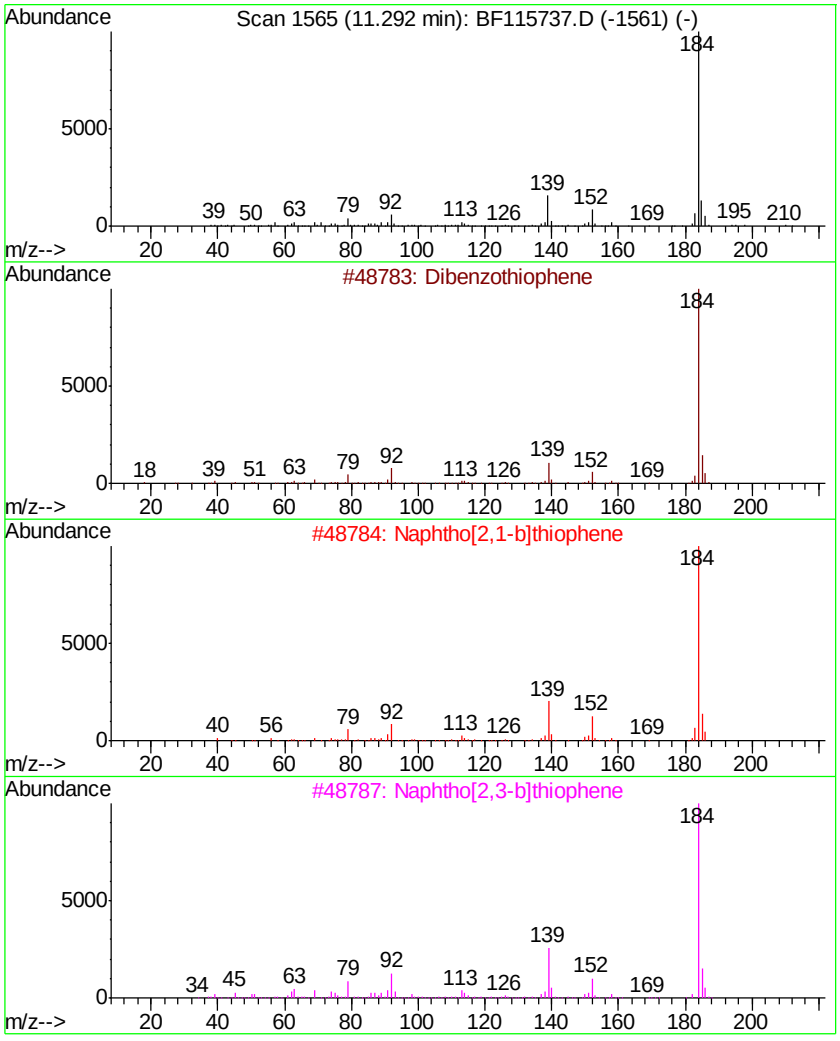
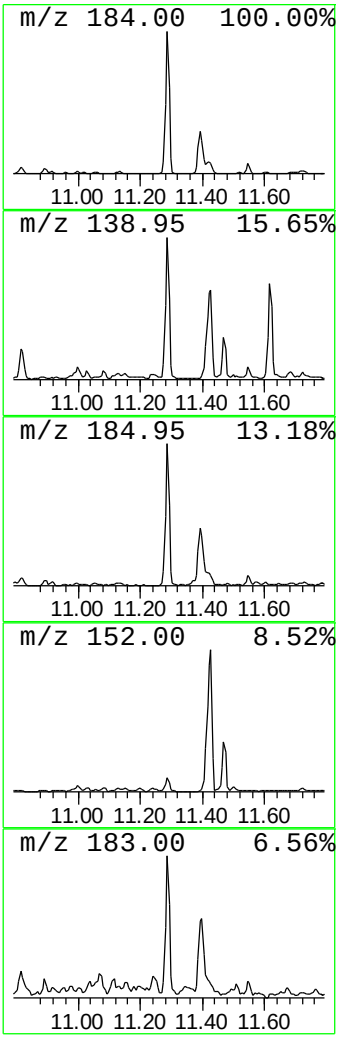
Peak Number 8 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	7.17 ng	632721	Phenanthrene-d10	11.39

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	95
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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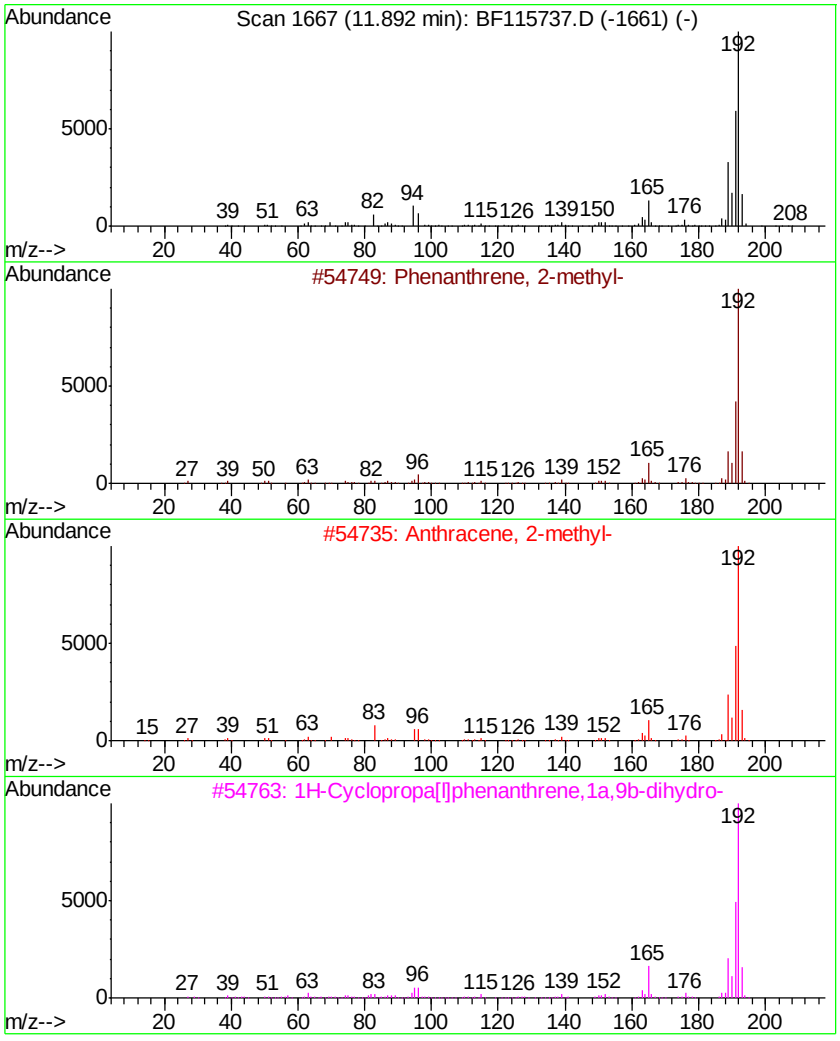
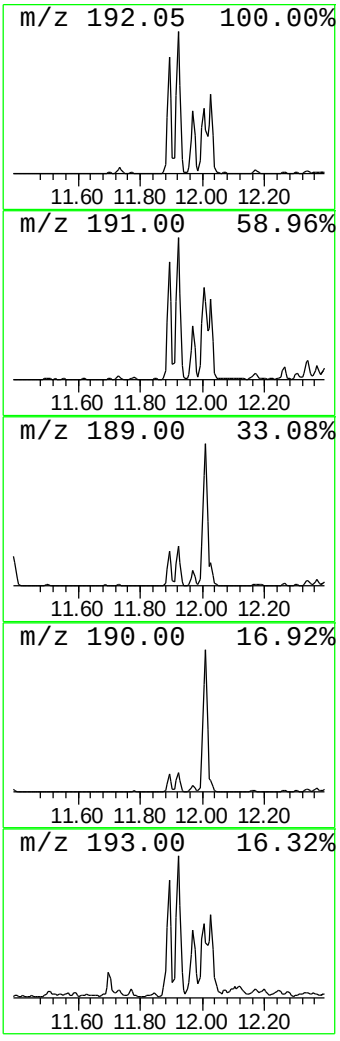
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	10.41 ng	917892	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Instrument : BNA_F
ClientSampleId : HD-02-072219

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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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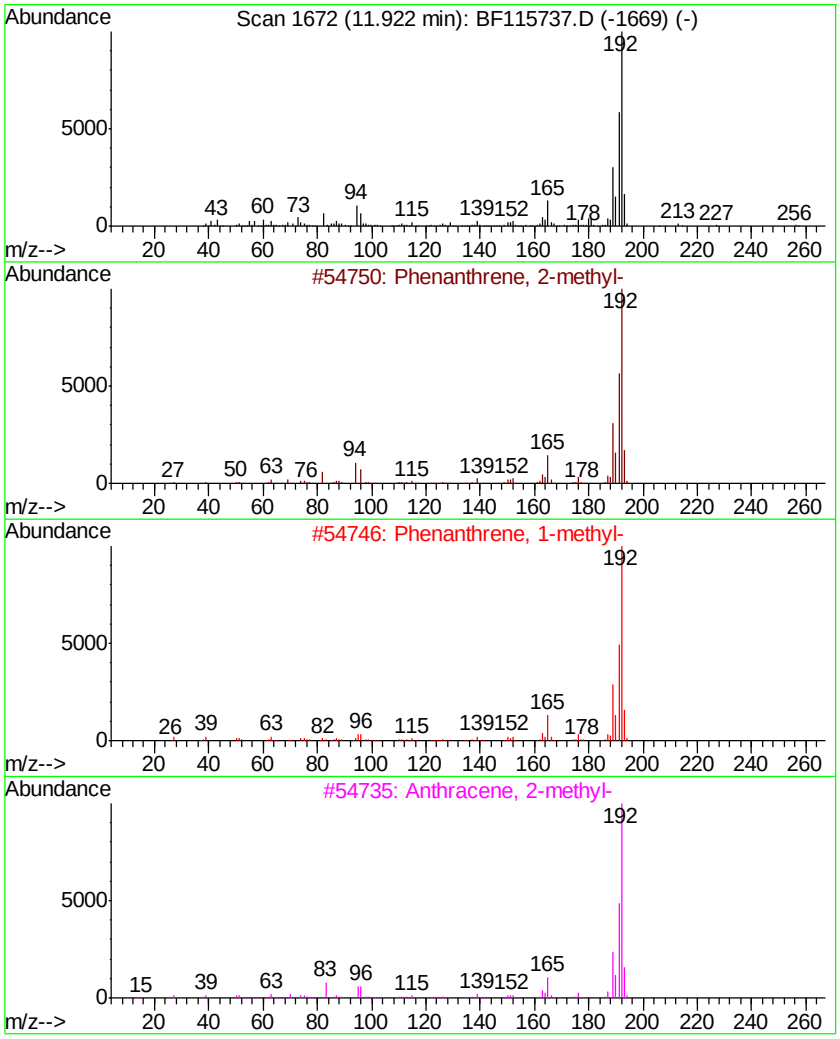
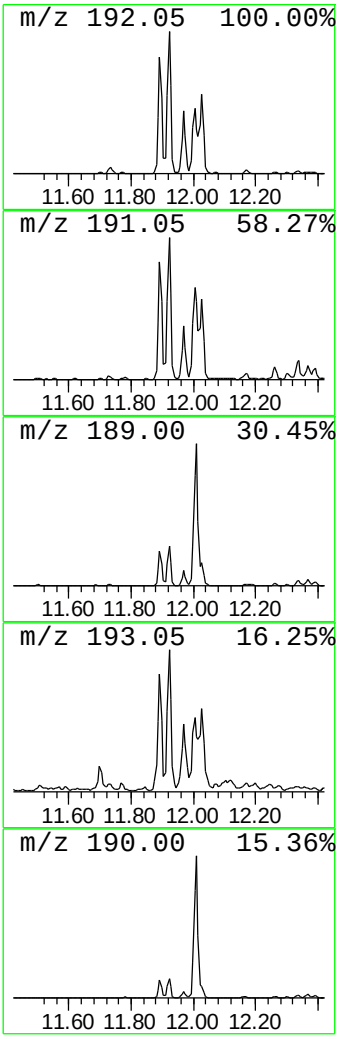
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	14.67 ng	1294220	Phenanthrene-d10	11.39

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	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94





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ClientSampleId : HD-02-072219

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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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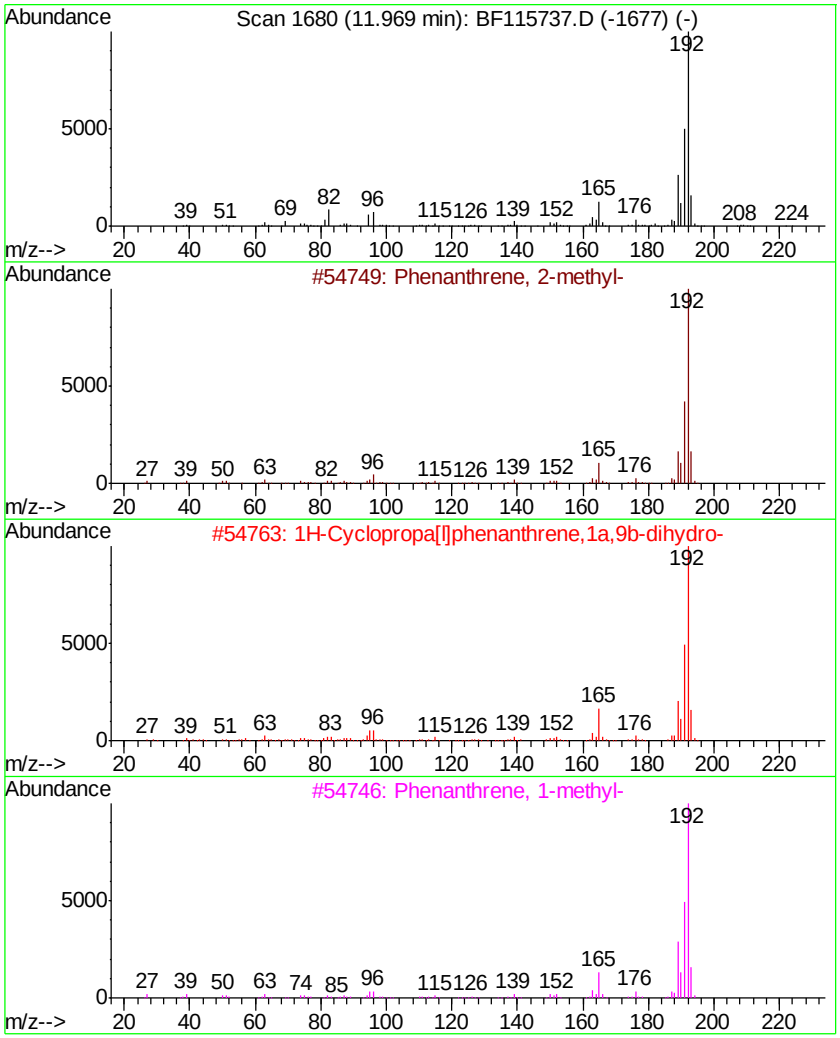
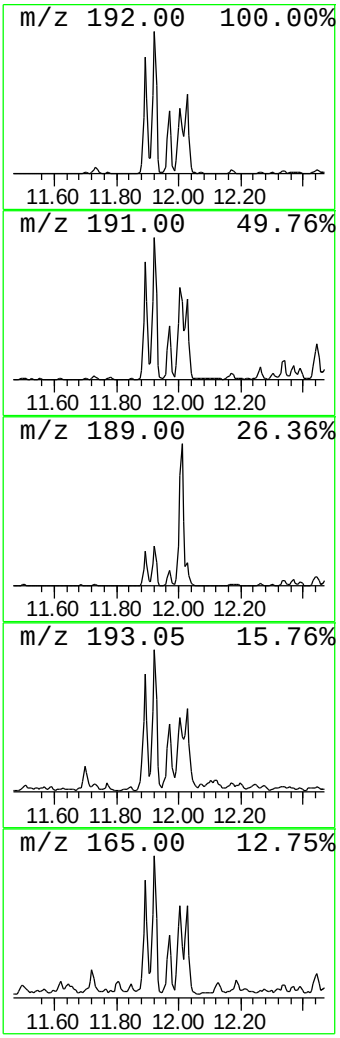
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	4.63 ng	408290	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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

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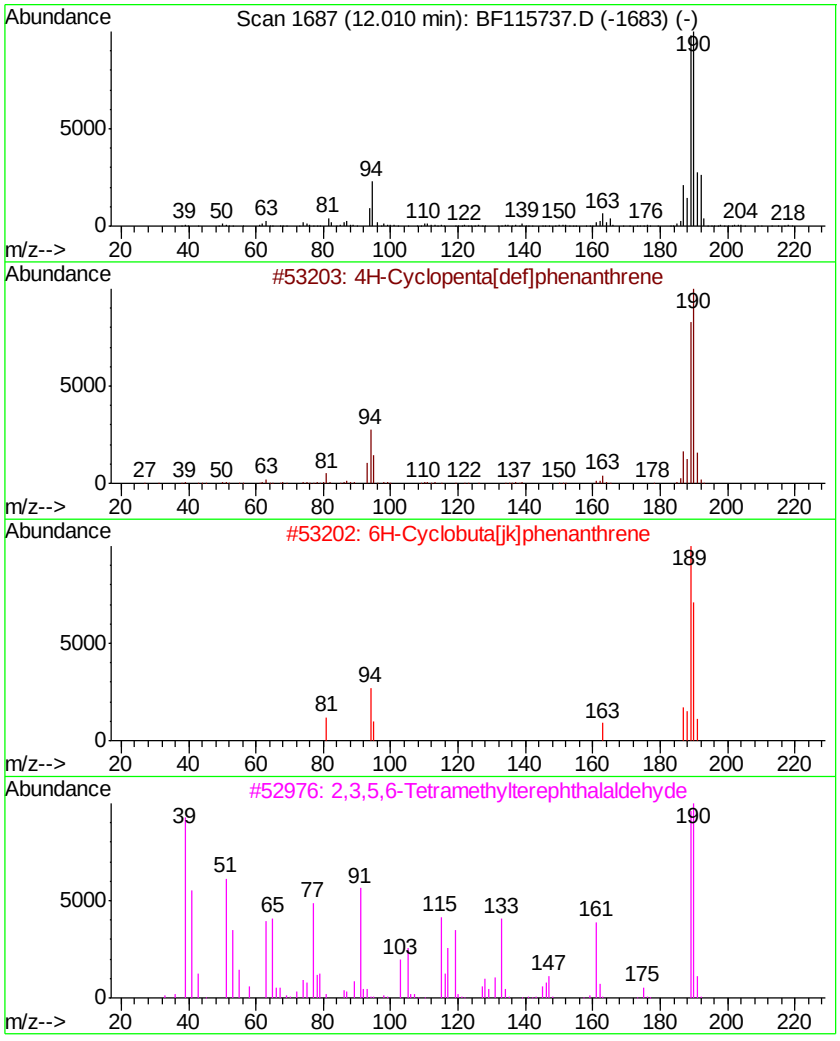
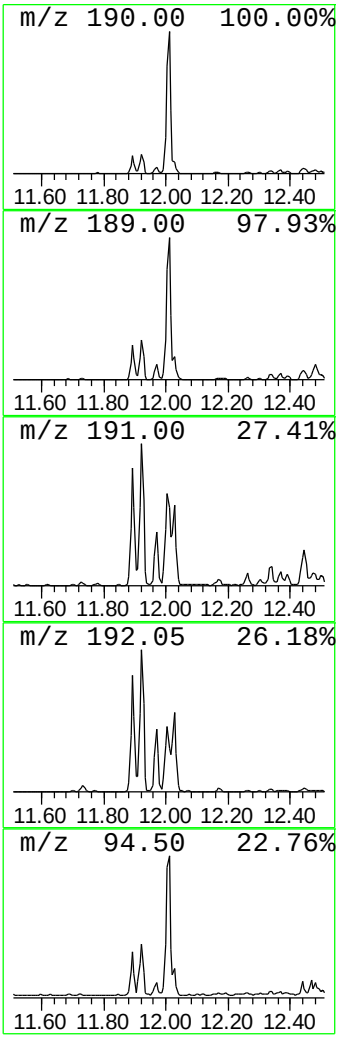
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	21.44 ng	1890900	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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Misc :
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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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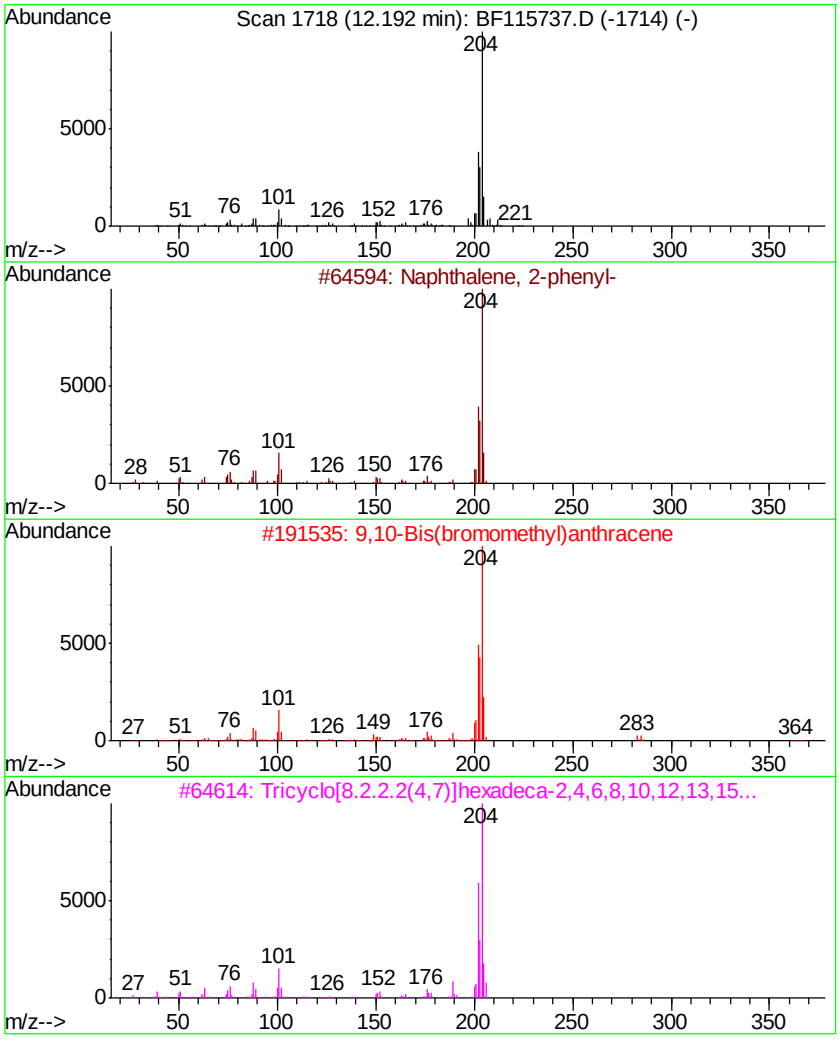
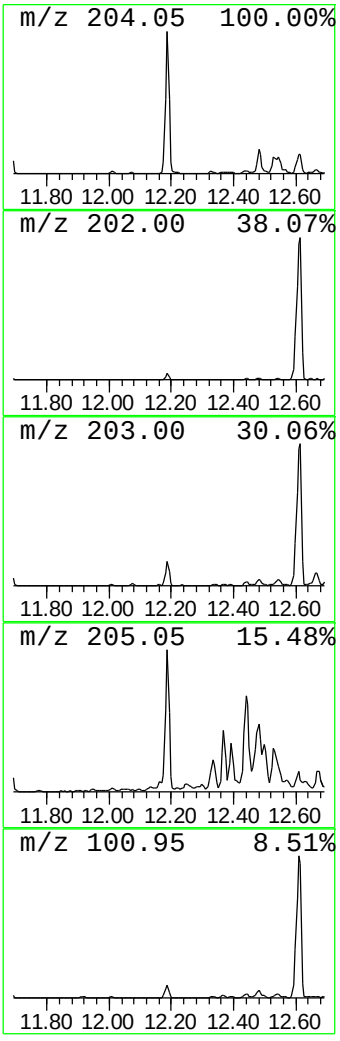
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	6.61 ng	583025	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	50
5	Levamisole	204	C11H12N2S	014769-73-4	49





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Misc :
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Instrument : BNA_F
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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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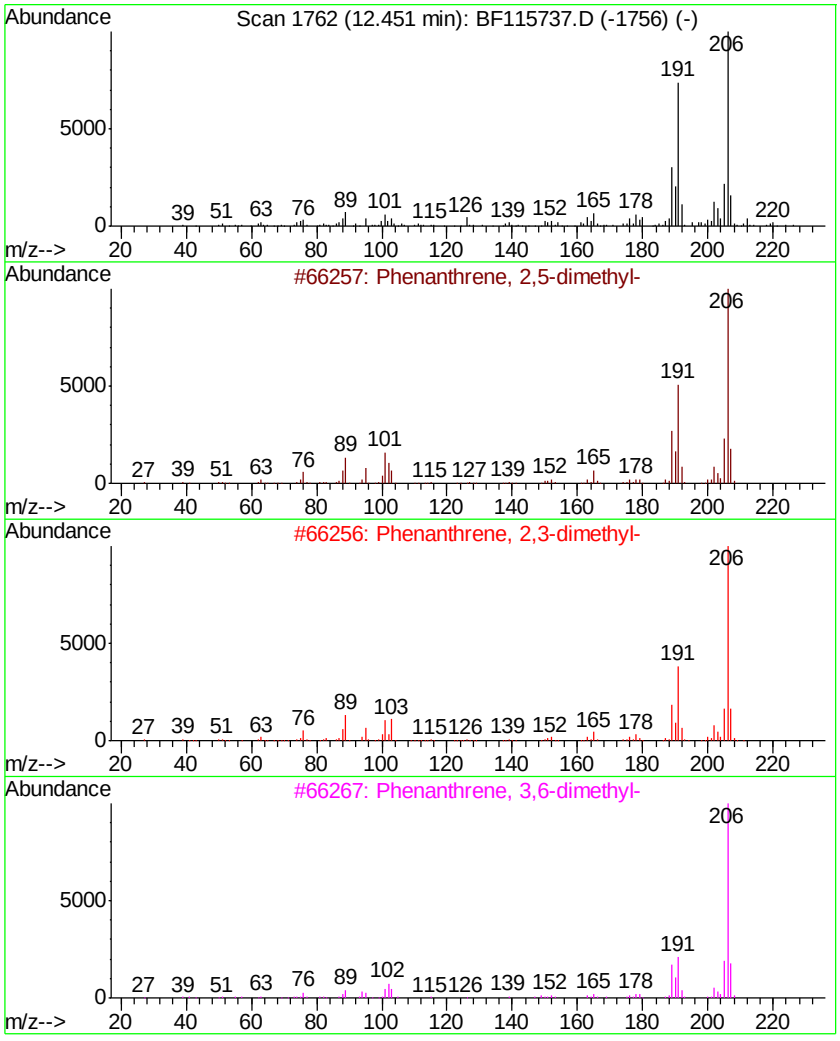
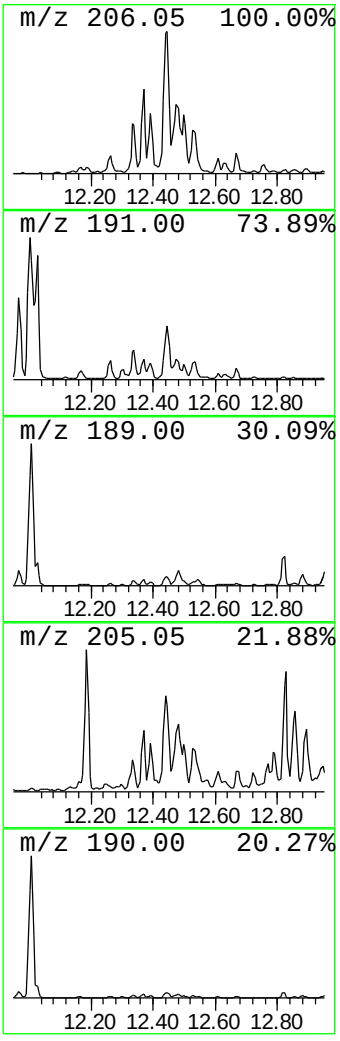
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	5.41 ng	477127	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	87





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

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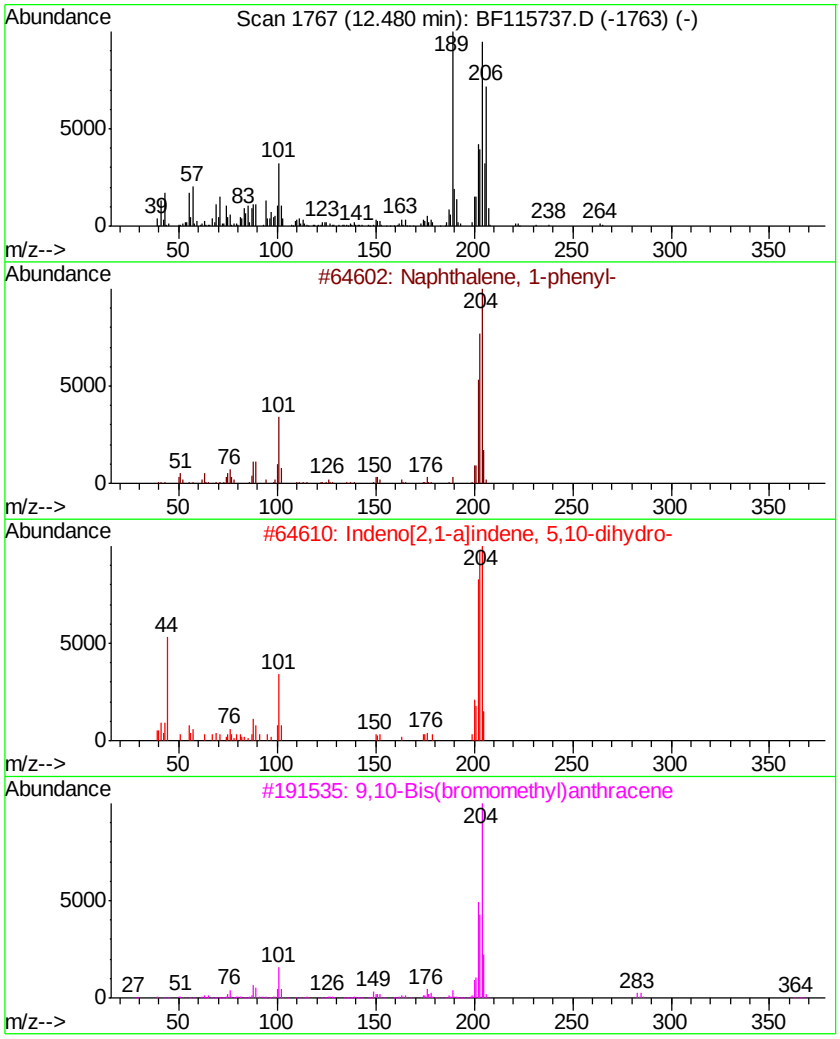
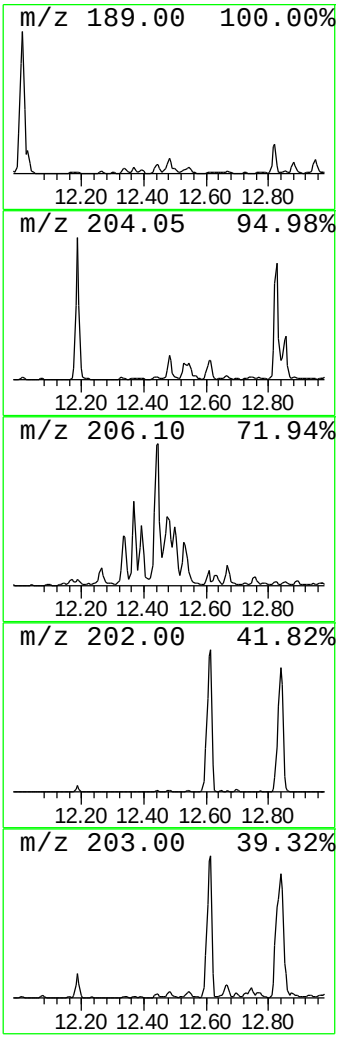
Peak Number 15 Naphthalene, 1-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	7.65 ng	674587	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	52
2	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	52
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	44
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	43





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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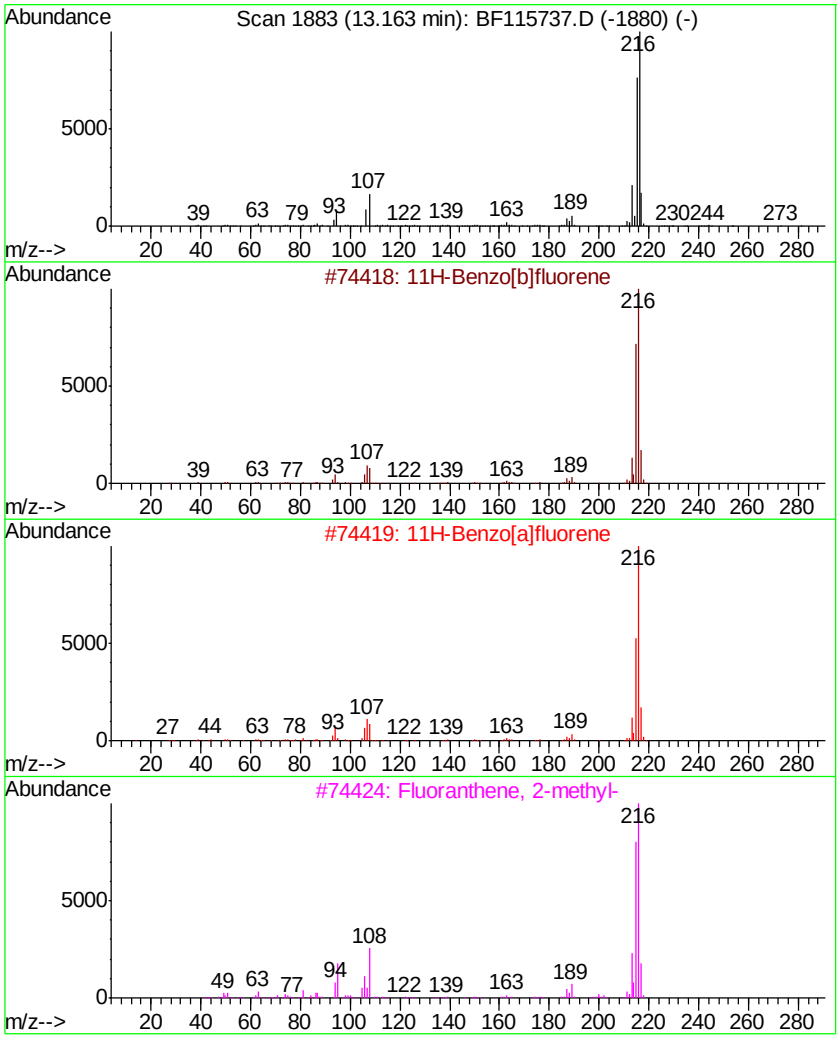
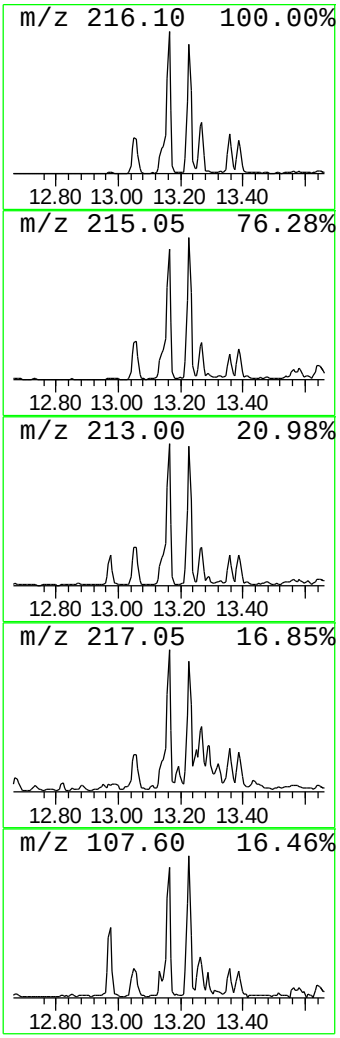
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	5.20 ng	1031290	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





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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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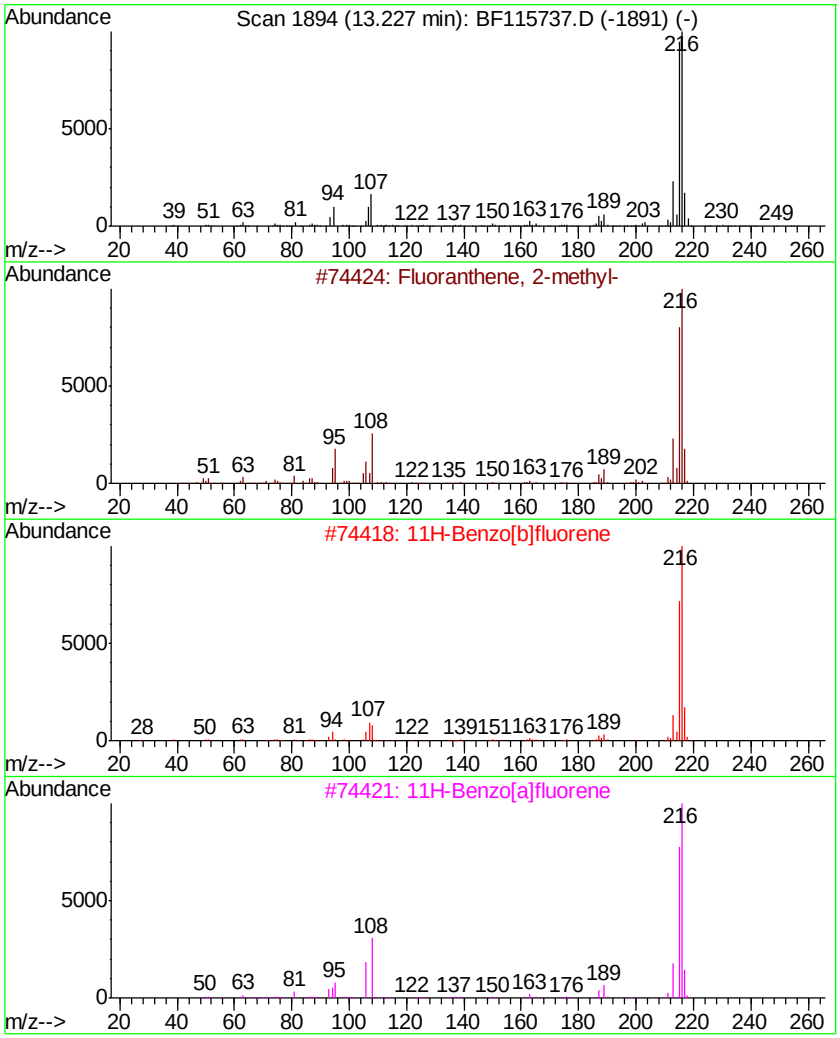
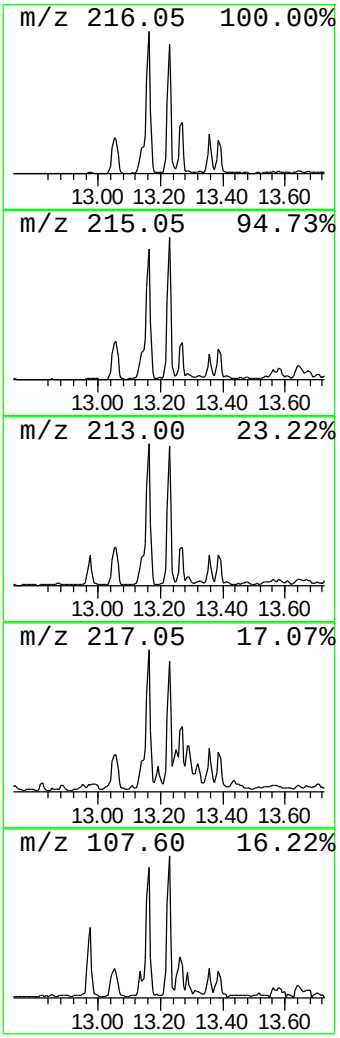
Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	4.85 ng	961777	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072319\
Data File : BF115737.D
Acq On : 23 Jul 2019 23:28
Operator : HP/JU
Sample : K3618-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-072219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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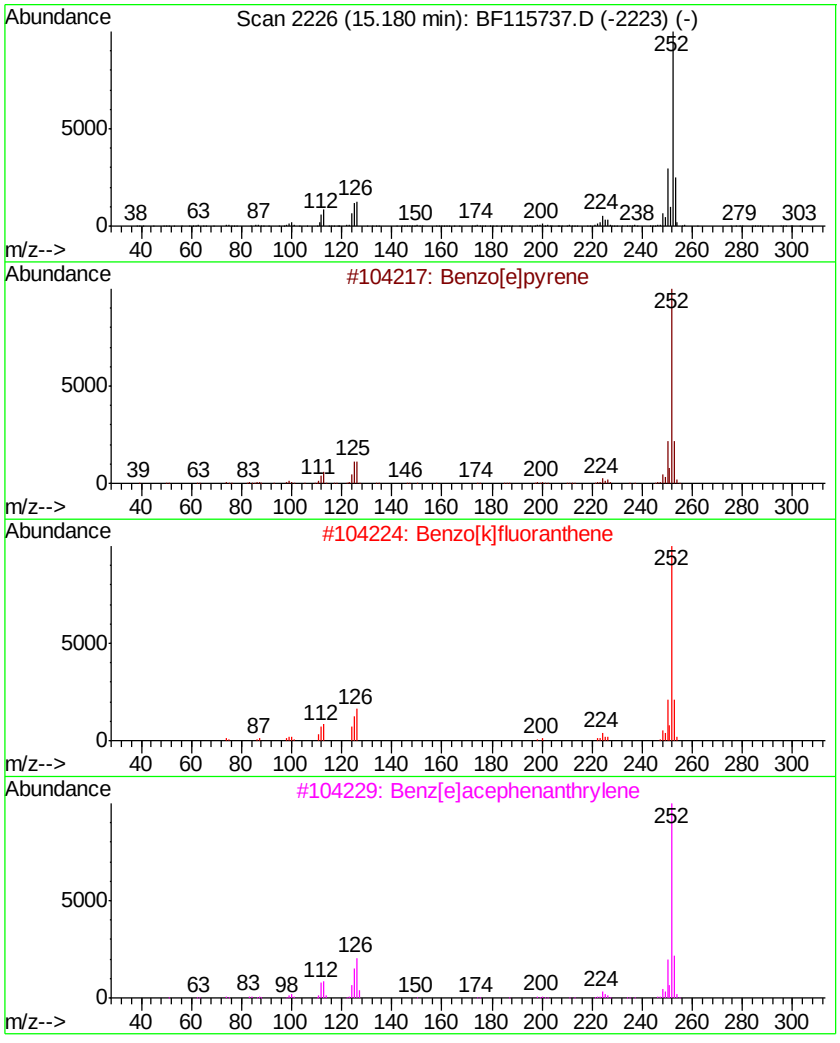
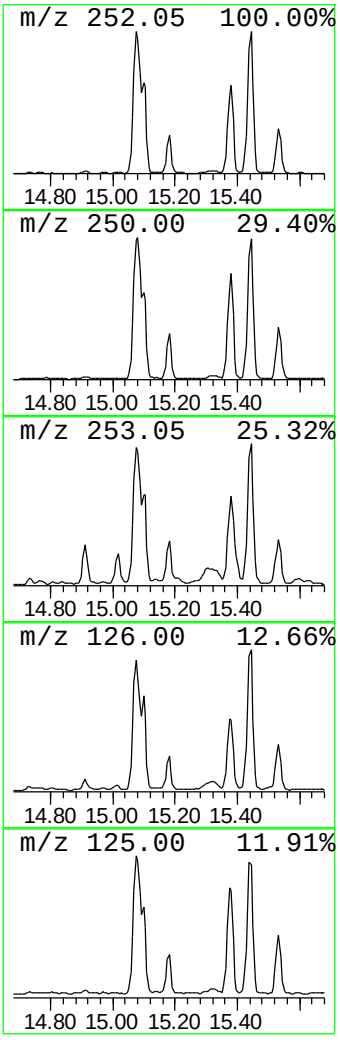
Peak Number 18 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	7.17 ng	443797	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072319\
Data File : BF115737.D
Acq On : 23 Jul 2019 23:28
Operator : HP/JU
Sample : K3618-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-072219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

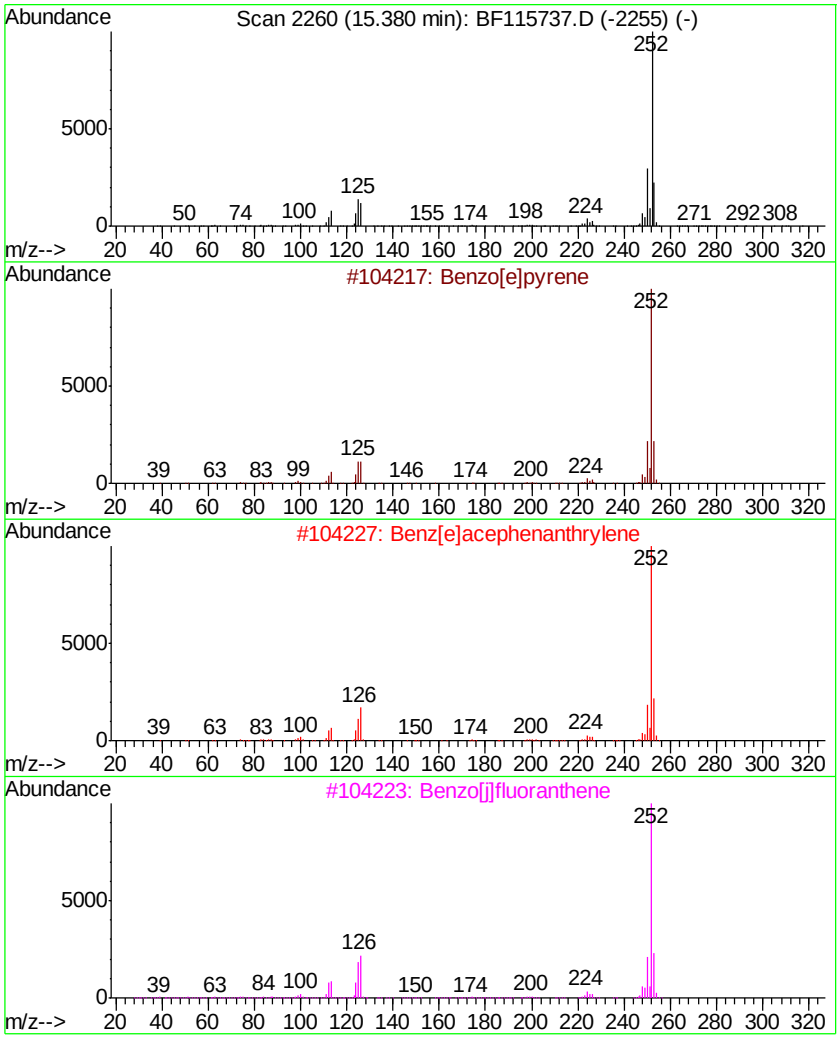
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

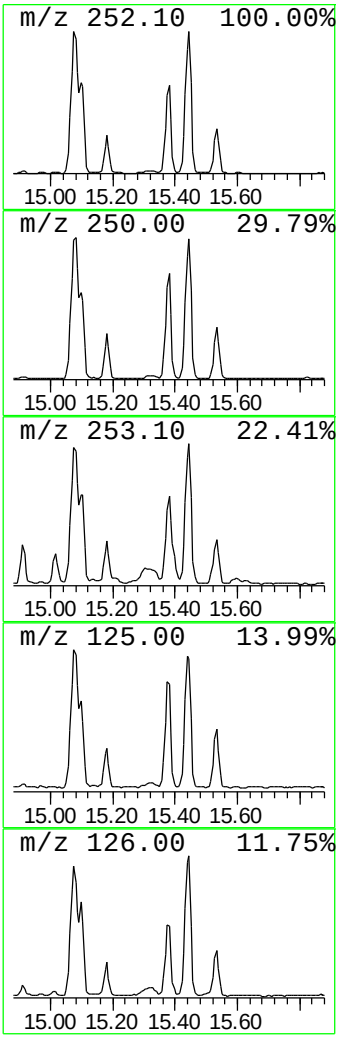
****

Peak Number 19 Benzo[j]fluoranthene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	23.10 ng	1430520	Perylene-d12	15.50

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	97
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072319\
Data File : BF115737.D
Acq On : 23 Jul 2019 23:28
Operator : HP/JU
Sample : K3618-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-072219

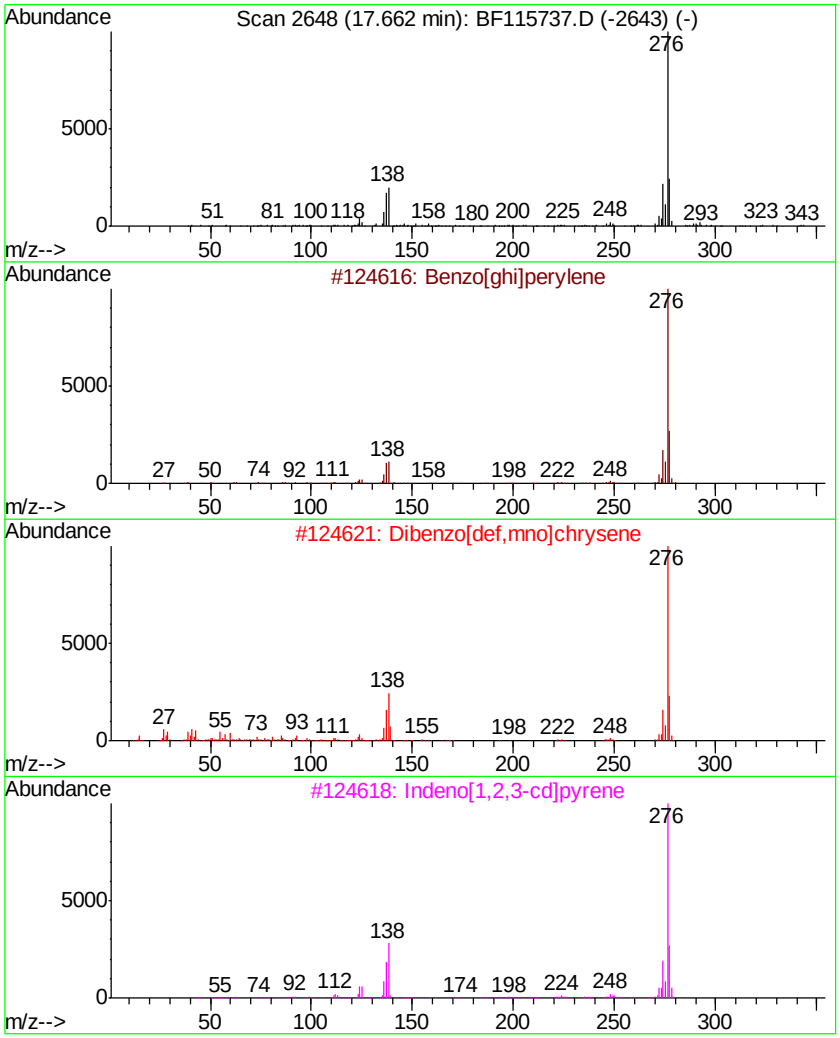
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

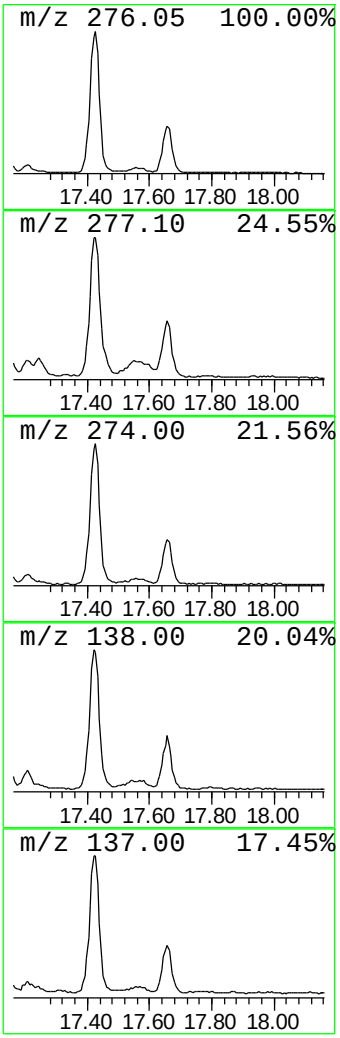
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Indeno[1,2,3-cd]fluoranthene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.66	5.29 ng	327870	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	97
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	94
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	87
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	64
5	Naphthalen-1-yl-(3-nitro-benzyli...	276	C17H12N2O2	200421-53-0	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072319\
Data File : BF115737.D
Acq On : 23 Jul 2019 23:28
Operator : HP/JU
Sample : K3618-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-072219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.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...	2.18	15.7	ng	841377	1	6.87	1070900	20.0
unknown6.65	6.65	66.0	ng	3536310	1	6.87	1070900	20.0
Naphthalene, 1,7-...	9.49	7.1	ng	546460	3	9.90	1548860	20.0
Naphthalene, 2,3-...	9.56	8.1	ng	630681	3	9.90	1548860	20.0
3-(2-Naphthyl)acr...	10.61	5.0	ng	390920	3	9.90	1548860	20.0
9H-Fluorene, 2-me...	11.00	6.2	ng	546069	4	11.39	1764020	20.0
Dibenzothiophene	11.29	7.2	ng	632721	4	11.39	1764020	20.0
Phenanthrene, 2-m...	11.89	10.4	ng	917892	4	11.39	1764020	20.0
Phenanthrene, 1-m...	11.92	14.7	ng	1294220	4	11.39	1764020	20.0
Anthracene, 2-met...	11.97	4.6	ng	408290	4	11.39	1764020	20.0
4H-Cyclopenta[def...	12.01	21.4	ng	1890900	4	11.39	1764020	20.0
Naphthalene, 2-ph...	12.19	6.6	ng	583025	4	11.39	1764020	20.0
Phenanthrene, 2,5...	12.45	5.4	ng	477127	4	11.39	1764020	20.0
Naphthalene, 1-ph...	12.48	7.7	ng	674587	4	11.39	1764020	20.0
11H-Benzo[b]fluorene	13.16	5.2	ng	1031290	5	14.03	3969480	20.0
Fluoranthene, 2-m...	13.23	4.8	ng	961777	5	14.03	3969480	20.0
Benzo[e]pyrene	15.18	7.2	ng	443797	6	15.50	1238440	20.0
Benzo[j]fluoranthene	15.38	23.1	ng	1430520	6	15.50	1238440	20.0
Indeno[1,2,3-cd]f...	17.66	5.3	ng	327870	6	15.50	1238440	20.0