LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
Data File : BF108302.D
Acq On : 20 Aug 2018 20:45
Operator : JU/SJ
Sample : J4521-07 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11969

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-BF080818.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	5.637	557	561	573	rBV	319343	297300	4.92%	0.449%
2	6.631	726	730	734	rBV	306141	307329	5.08%	0.464%
3	6.784	752	756	762	rBV	371118	316143	5.23%	0.478%
4	7.019	792	796	799	rBV	1128561	996963	16.49%	1.506%
5	7.172	818	822	825	rBV	304078	240469	3.98%	0.363%
6	7.572	886	890	901	rVB	195847	178569	2.95%	0.270%
7	8.301	1009	1014	1016	rBV	1489920	1222399	20.22%	1.846%
8	8.319	1016	1017	1024	rVB	232555	195630	3.24%	0.296%
9	9.013	1131	1135	1142	rVB	467673	365835	6.05%	0.553%
10	9.113	1147	1152	1156	rBV	421040	344690	5.70%	0.521%
11	9.372	1192	1196	1199	rBV	378470	308208	5.10%	0.466%
12	9.572	1227	1230	1235	rVB	150023	152323	2.52%	0.230%
13	9.642	1237	1242	1246	rBV	244348	328384	5.43%	0.496%
14	9.713	1250	1254	1257	rBV	400030	416582	6.89%	0.629%
15	9.742	1257	1259	1262	rVB	252442	179203	2.96%	0.271%
16	9.836	1270	1275	1276	rBV	178135	170419	2.82%	0.257%
17	10.036	1306	1309	1311	rBV	165321	149342	2.47%	0.226%
18	10.066	1311	1314	1316	rVV	1229600	1126716	18.64%	1.702%
19	10.095	1316	1319	1322	rVB	1256553	986059	16.31%	1.489%
20	10.160	1327	1330	1335	rVV	109358	148392	2.45%	0.224%
21	10.219	1335	1340	1344	rVV3	93034	134475	2.22%	0.203%
22	10.266	1344	1348	1351	rVV	705506	688657	11.39%	1.040%
23	10.301	1351	1354	1357	rVB	164106	139972	2.32%	0.211%
24	10.377	1362	1367	1369	rBV	126233	128999	2.13%	0.195%
25	10.466	1377	1382	1384	rBV2	111778	144105	2.38%	0.218%
26	10.613	1403	1407	1412	rVV	1438529	1264412	20.91%	1.910%
27	10.701	1420	1422	1424	rVV	234940	204374	3.38%	0.309%
28	10.748	1428	1430	1431	rVV	168167	137391	2.27%	0.208%
29	10.766	1431	1433	1437	rVB	296142	263104	4.35%	0.397%
30	10.848	1444	1447	1451	rBV2	370425	435486	7.20%	0.658%
31	11.160	1494	1500	1503	rBV2	302342	375982	6.22%	0.568%
32	11.189	1503	1505	1508	rVV2	188559	171761	2.84%	0.259%
33	11.242	1511	1514	1517	rVB3	134546	155444	2.57%	0.235%
34	11.283	1517	1521	1523	rBV3	104127	155255	2.57%	0.235%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Stop Thrs : 0 Peak Location: TOP

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.313	1523	1526	1530	rVV3	135368	166053	2.75%	0.251%
36	11.360	1531	1534	1537	rVV	184910	184522	3.05%	0.279%
37	11.401	1537	1541	1545	rVV2	122403	162439	2.69%	0.245%
38	11.454	1547	1550	1555	rVB	496461	455520	7.53%	0.688%
39	11.560	1564	1568	1570	rBV	1069373	1131713	18.72%	1.709%
40	11.595	1570	1574	1577	rVV	5882026	5998320	99.22%	9.061%
41	11.636	1578	1581	1584	rVV	1962249	1802638	29.82%	2.723%
42	11.666	1584	1586	1589	rVV	123895	136011	2.25%	0.205%
43	11.789	1603	1607	1611	rVV2	283720	334590	5.53%	0.505%
44	11.848	1615	1617	1621	rVV	156179	154682	2.56%	0.234%
45	11.889	1621	1624	1629	rVB2	211220	213589	3.53%	0.323%
46	11.971	1635	1638	1643	rVB	118523	138680	2.29%	0.209%
47	12.060	1648	1653	1656	rVV	854894	872345	14.43%	1.318%
48	12.089	1656	1658	1662	rVB	1088600	976289	16.15%	1.475%
49	12.136	1662	1666	1669	rBV	440513	428009	7.08%	0.647%
50	12.177	1669	1673	1676	rVV2	1384282	1746411	28.89%	2.638%
51	12.201	1676	1677	1680	rVB	582959	274132	4.53%	0.414%
52	12.354	1700	1703	1706	rVV	615461	569639	9.42%	0.860%
53	12.389	1706	1709	1714	rVB	302546	315214	5.21%	0.476%
54	12.507	1723	1729	1732	rVV2	200777	215681	3.57%	0.326%
55	12.536	1732	1734	1736	rVV	175854	143749	2.38%	0.217%
56	12.560	1736	1738	1741	rVB2	140589	123450	2.04%	0.186%
57	12.613	1743	1747	1750	rBV	392920	459904	7.61%	0.695%
58	12.654	1750	1754	1759	rVB2	269964	429356	7.10%	0.649%
59	12.707	1759	1763	1768	rBV3	223703	327309	5.41%	0.494%
60	12.789	1772	1777	1780	rBV	5325556	5806195	96.04%	8.770%
61	12.842	1784	1786	1789	rVB	194560	156120	2.58%	0.236%
62	12.936	1799	1802	1804	rBV	205788	174593	2.89%	0.264%
63	13.024	1809	1817	1820	rBV2	4595677	6045552	100.00%	9.132%
64	13.060	1820	1823	1827	rVB2	345324	328032	5.43%	0.495%
65	13.142	1827	1837	1839	rBV2	398120	738975	12.22%	1.116%
66	13.171	1839	1842	1845	rVB	305918	293716	4.86%	0.444%
67	13.224	1847	1851	1855	rBV2	370672	651065	10.77%	0.983%
68	13.313	1863	1866	1868	rBV4	235057	307993	5.09%	0.465%
69	13.342	1868	1871	1874	rVB	979802	901398	14.91%	1.362%
70	13.407	1879	1882	1885	rBV	922170	774302	12.81%	1.170%
71	13.448	1885	1889	1891	rVV2	544001	602884	9.97%	0.911%

LSC Area Percent Report

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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11969

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Integrator: RTE
Smoothing : ON Filtering: 5
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72	13.542	1902	1905	1907	rBV	319295	267711	4.43%	0.404%
73	13.571	1907	1910	1913	rBV	322848	275335	4.55%	0.416%
74	13.742	1936	1939	1941	rVV3	124705	153025	2.53%	0.231%
75	13.824	1949	1953	1955	rBV	146886	192502	3.18%	0.291%
76	13.854	1955	1958	1962	rVB	196119	240689	3.98%	0.364%
77	13.965	1972	1977	1979	rBV3	400649	482037	7.97%	0.728%
78	13.989	1979	1981	1984	rVV	484925	449937	7.44%	0.680%
79	14.018	1984	1986	1990	rVV2	374968	510310	8.44%	0.771%
80	14.060	1990	1993	1997	rVV2	255699	302556	5.00%	0.457%
81	14.136	2001	2006	2012	rBV	108744	212847	3.52%	0.322%
82	14.212	2012	2019	2022	rVV3	2766451	3789546	62.68%	5.724%
83	14.248	2022	2025	2031	rVB	2074329	1995253	33.00%	3.014%
84	14.324	2036	2038	2042	rBV	455965	407273	6.74%	0.615%
85	14.442	2054	2058	2061	rBV2	216467	273311	4.52%	0.413%
86	14.536	2071	2074	2076	rBV2	80670	118807	1.97%	0.179%
87	14.565	2077	2079	2081	rVV	210215	226703	3.75%	0.342%
88	14.601	2081	2085	2089	rVV	514706	793722	13.13%	1.199%
89	14.636	2089	2091	2095	rVB	259277	248860	4.12%	0.376%
90	14.736	2105	2108	2110	rVV2	187242	155607	2.57%	0.235%
91	14.759	2110	2112	2115	rVV	260674	216404	3.58%	0.327%
92	14.807	2116	2120	2128	rVB4	204991	362582	6.00%	0.548%
93	15.318	2201	2207	2210	rBV	1079679	1988811	32.90%	3.004%
94	15.430	2223	2226	2230	rVB	258532	292528	4.84%	0.442%
95	15.648	2259	2263	2269	rVB	670667	954275	15.78%	1.441%
96	15.718	2270	2275	2280	rVV	1104022	1425149	23.57%	2.153%
97	15.783	2282	2286	2289	rVV	509656	699863	11.58%	1.057%
98	15.818	2289	2292	2298	rVB	292834	422367	6.99%	0.638%
99	17.412	2557	2563	2573	rVB2	381915	764191	12.64%	1.154%
100	17.906	2641	2647	2659	rVB	256742	608624	10.07%	0.919%

Sum of corrected areas: 66202267

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
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Acq On : 20 Aug 2018 20:45
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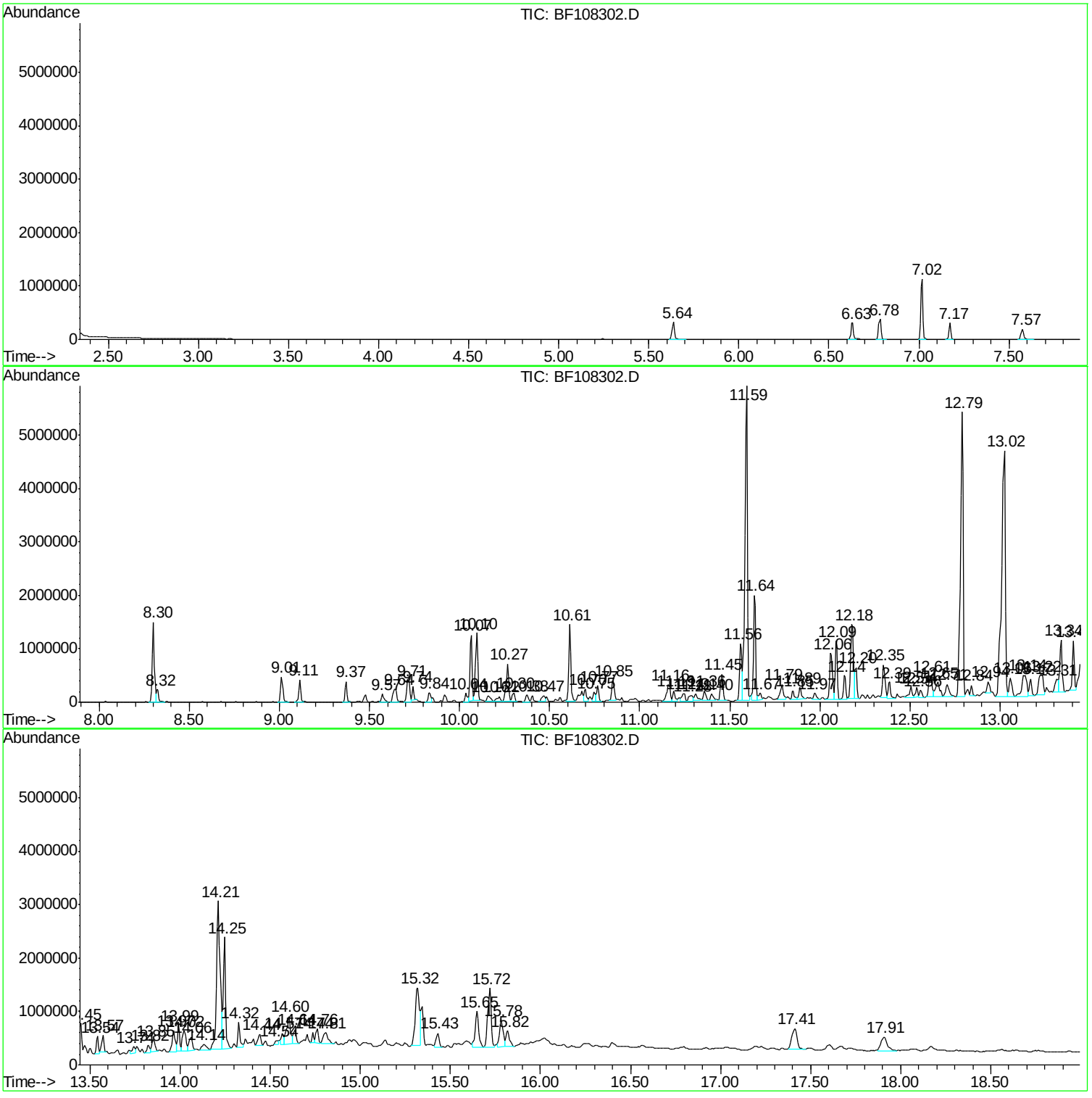
Sample : J4521-07 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11969

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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
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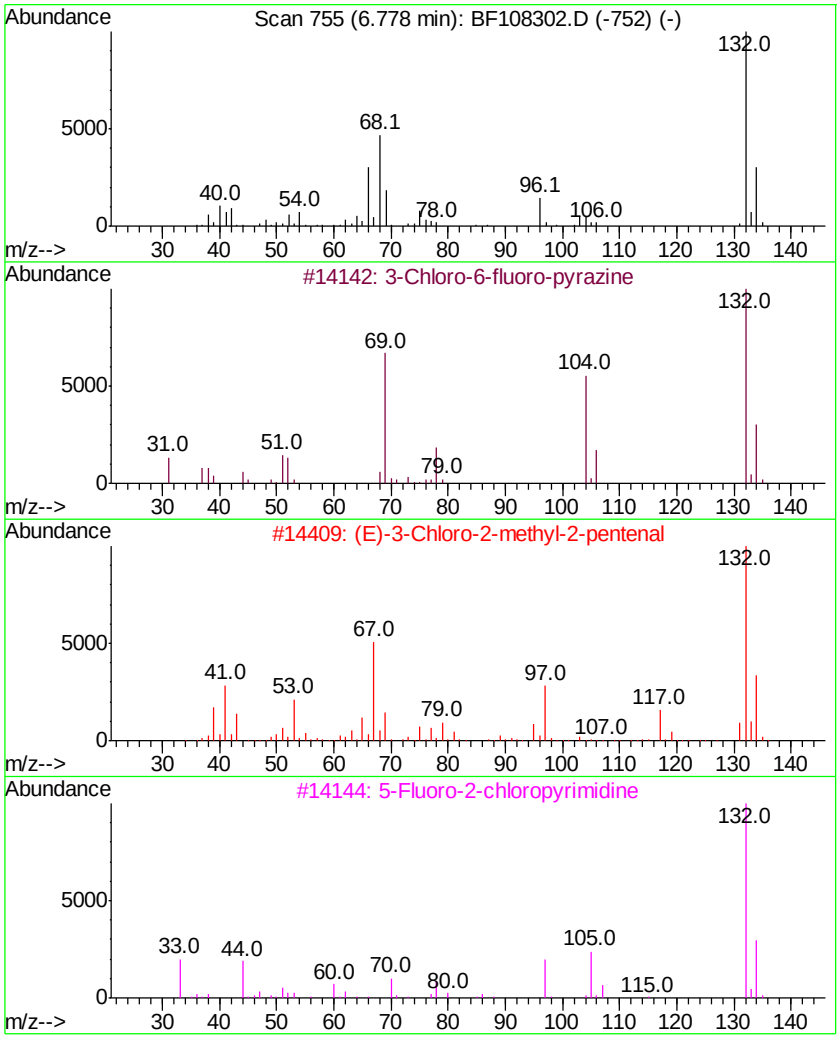
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

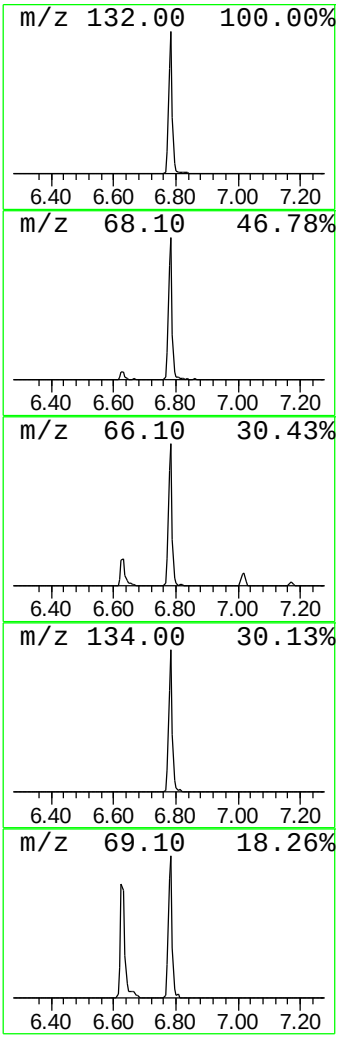
****

Peak Number 1 unknown6.78 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.78	6.34 ng	316143	1,4-Dichlorobenzene-d4	7.02

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	27
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10





Library Search Compound Report

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
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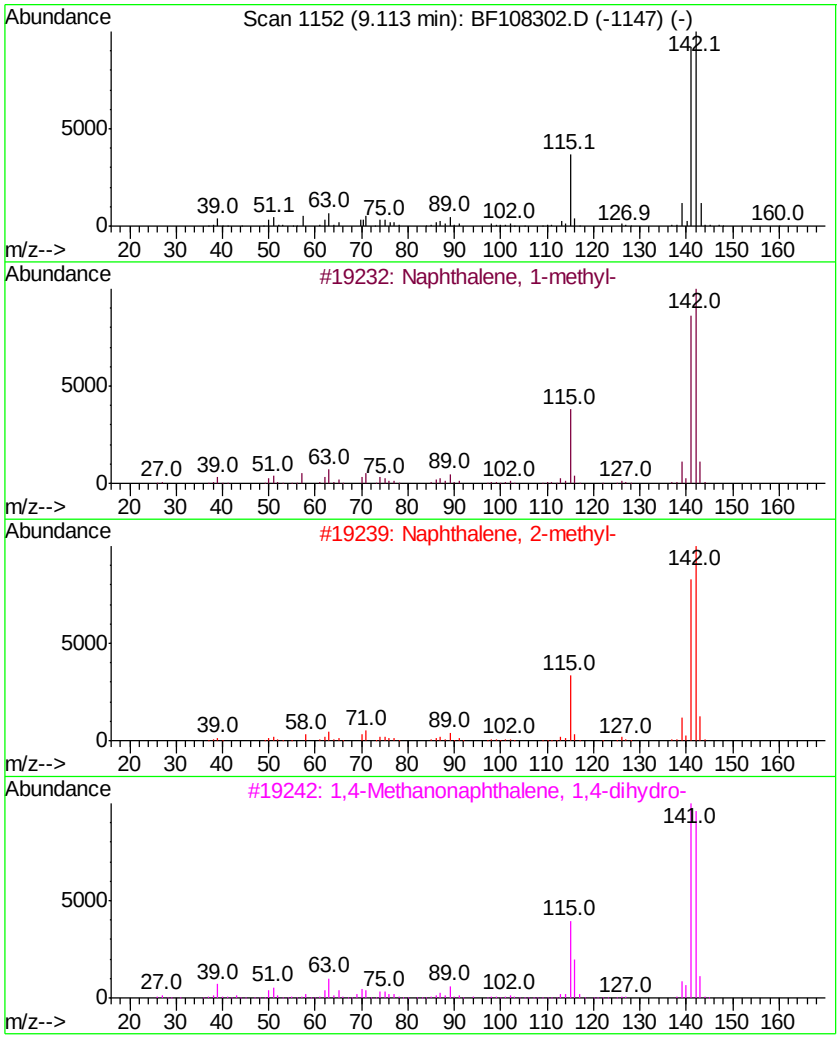
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

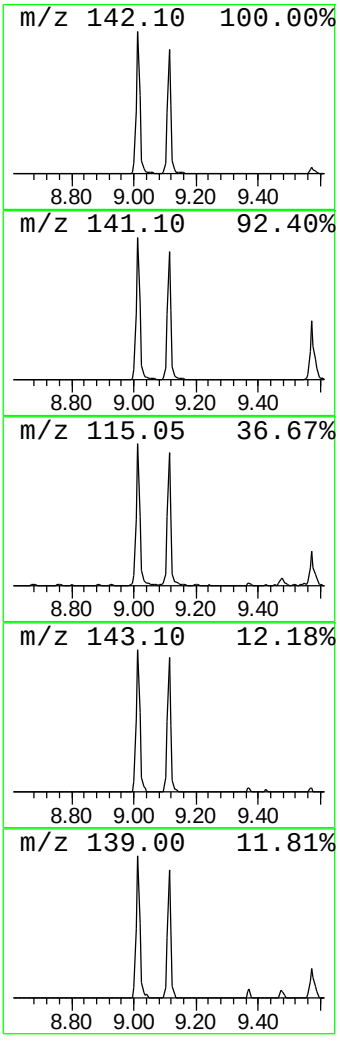
****

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.11	5.64 ng	344690	Naphthalene-d8	8.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64





Library Search Compound Report

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ClientSampleId : 72-11969

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TIC Library : C:\DATABASE\NIST11.L
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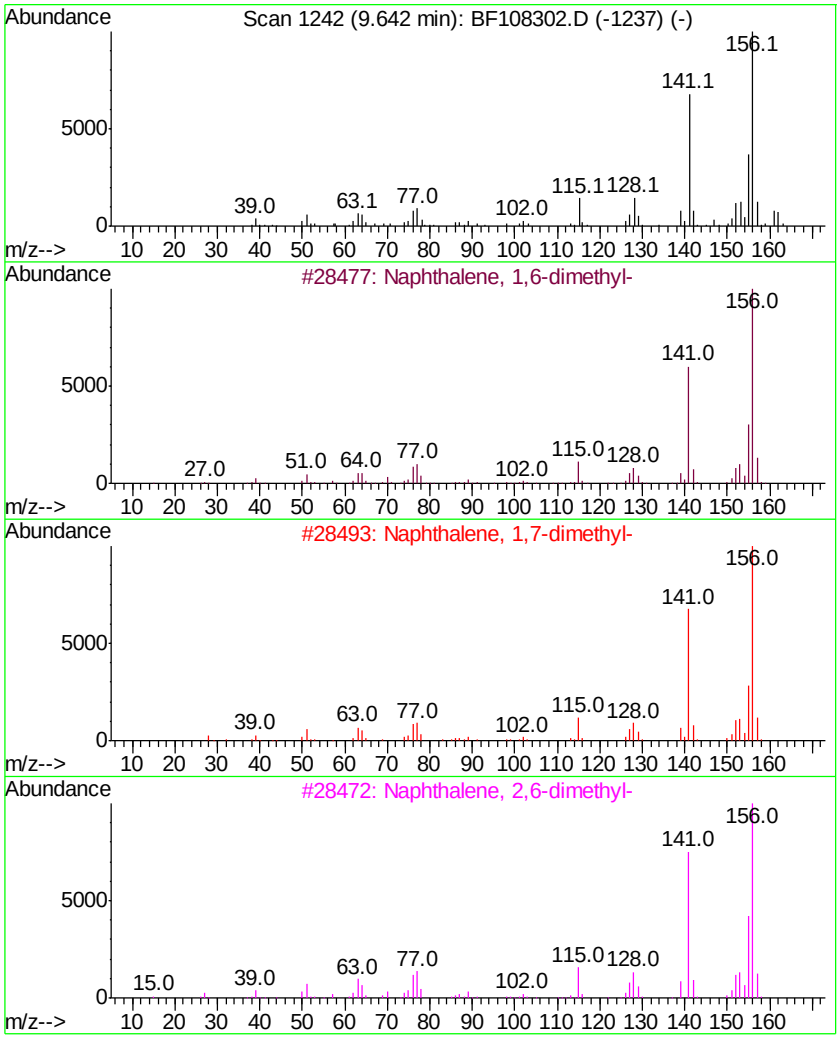
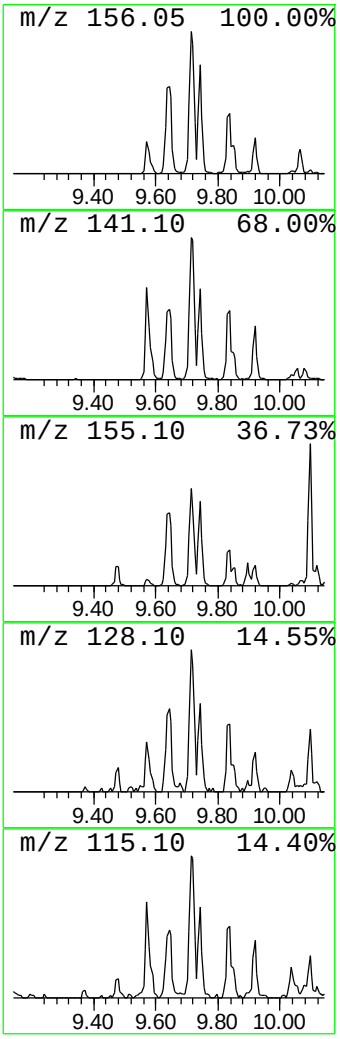
Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.64	5.83 ng	328384	Acenaphthene-d10	10.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	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 :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11969

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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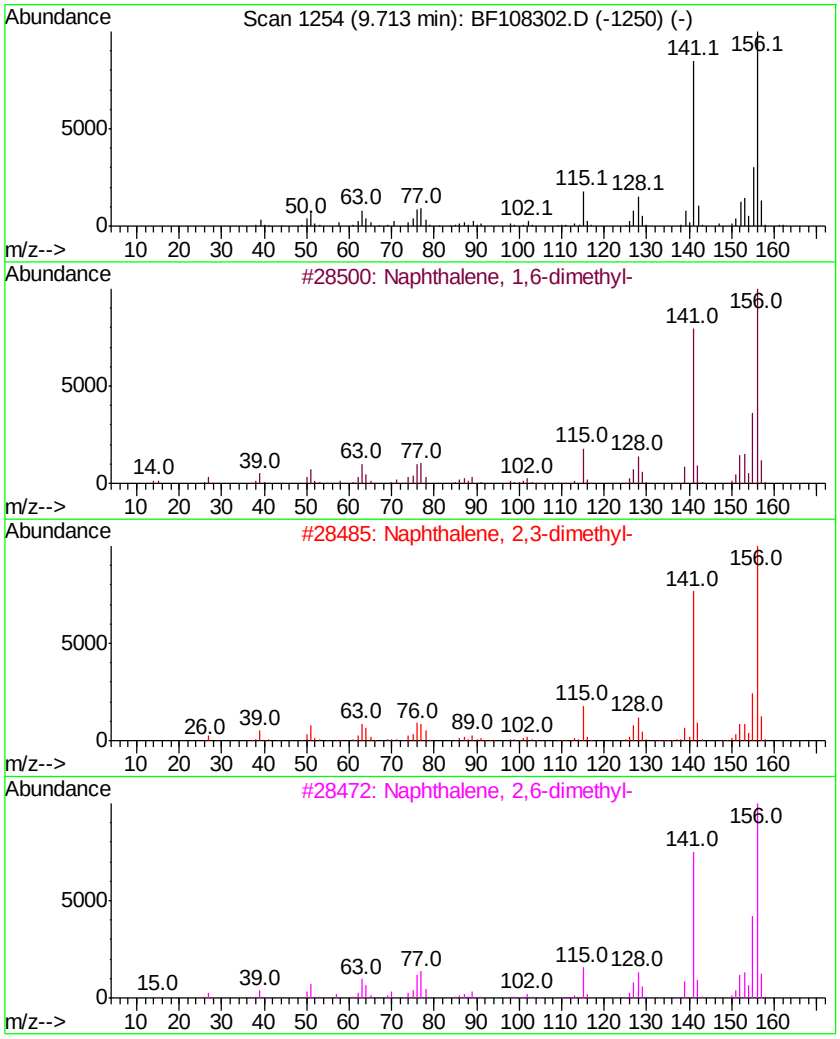
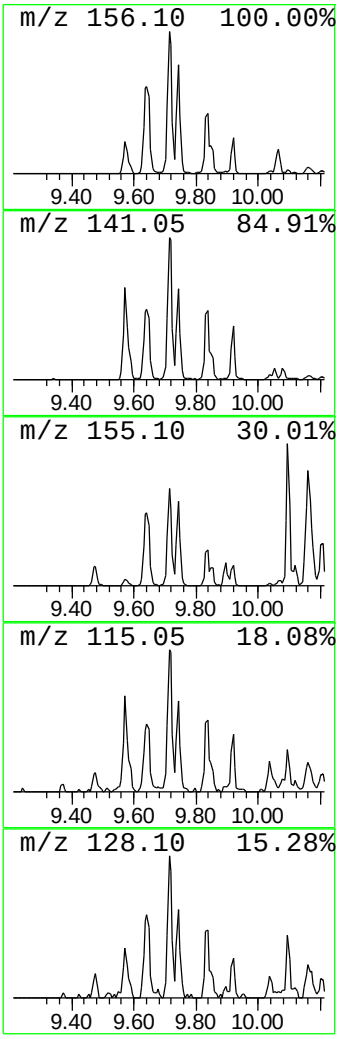
Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.71	7.39 ng	416582	Acenaphthene-d10	10.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
Data File : BF108302.D
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Misc :
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Instrument : BNA_F
ClientSampleId : 72-11969

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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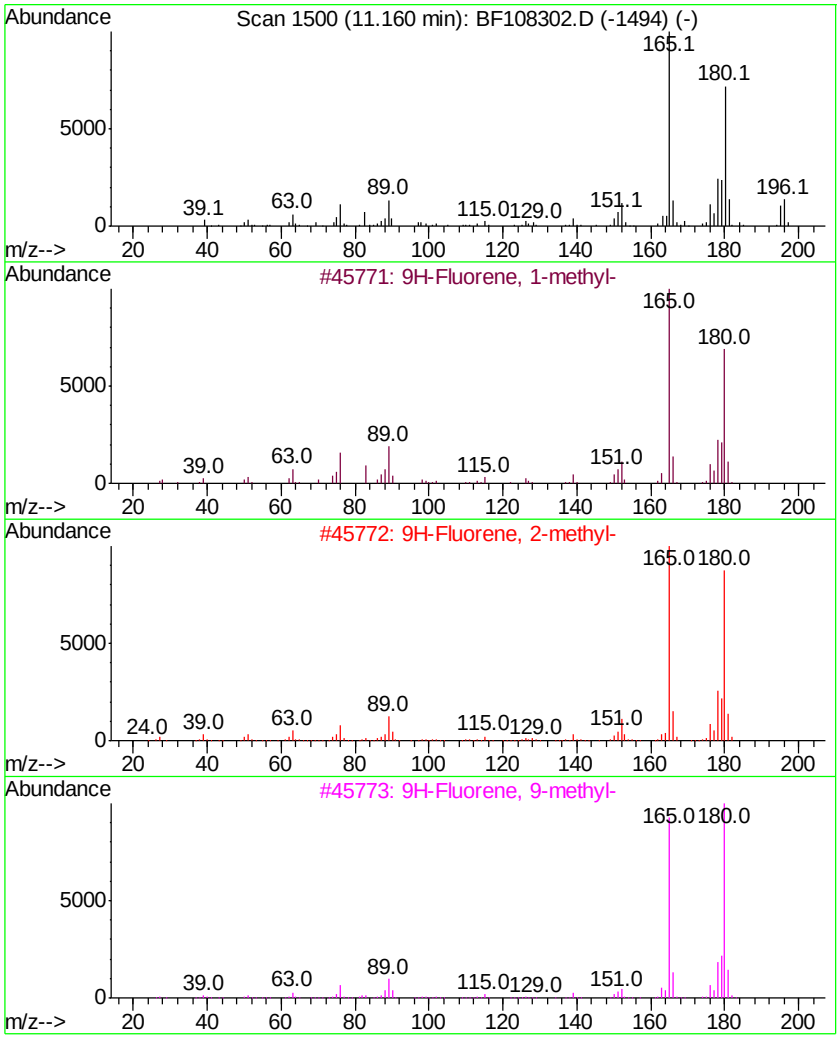
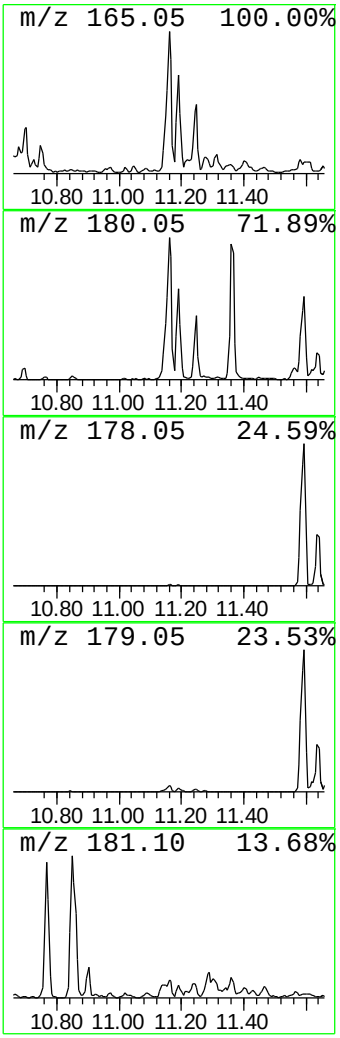
Peak Number 6 9H-Fluorene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.16	6.64 ng	375982	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	94
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	83





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Operator : JU/SJ
Sample : J4521-07 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11969

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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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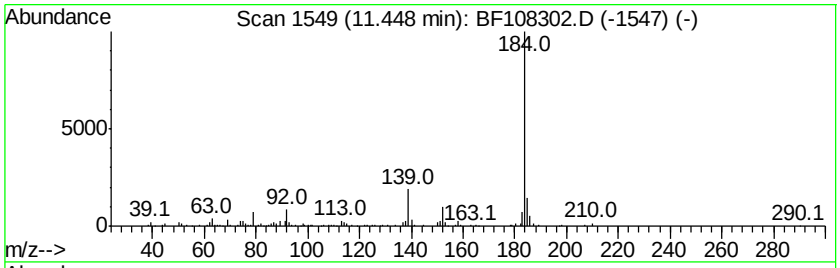
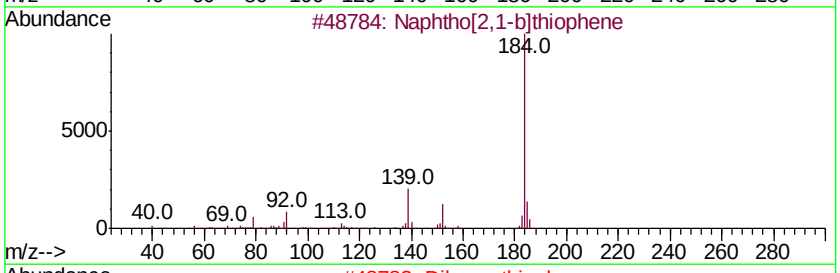
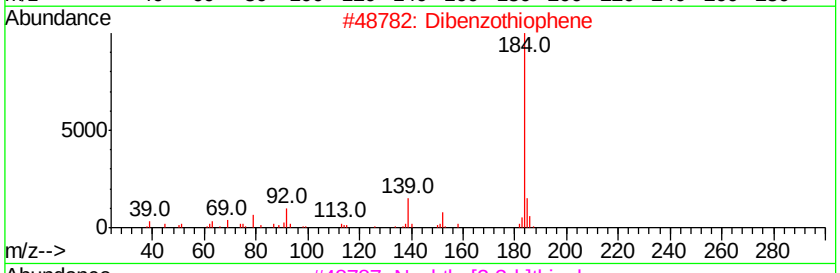
Peak Number 7 Naphtho[2,1-b]thiophene Concentration Rank 8

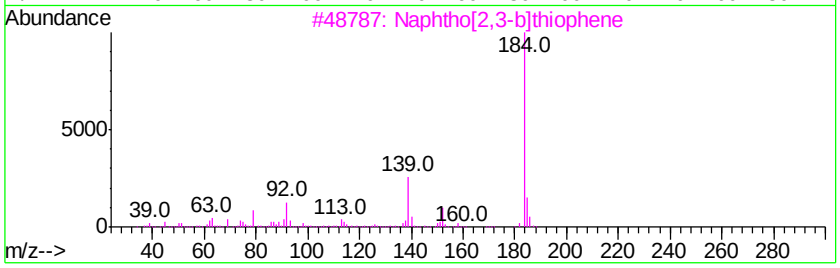
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.45	8.05 ng	455520	Phenanthrene-d10	11.56

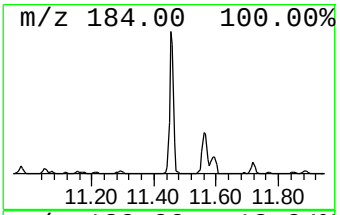
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91

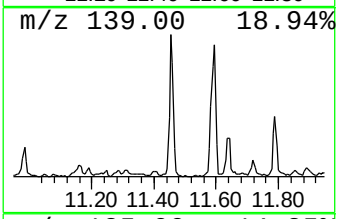


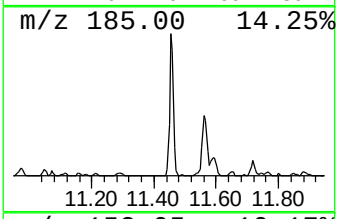


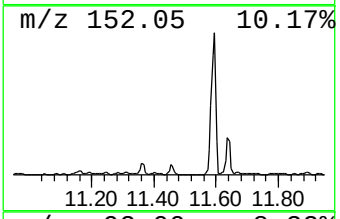


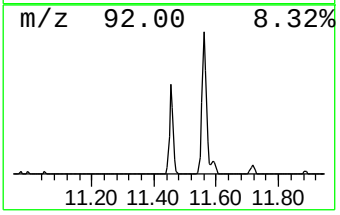












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Acq On : 20 Aug 2018 20:45
Operator : JU/SJ
Sample : J4521-07 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11969

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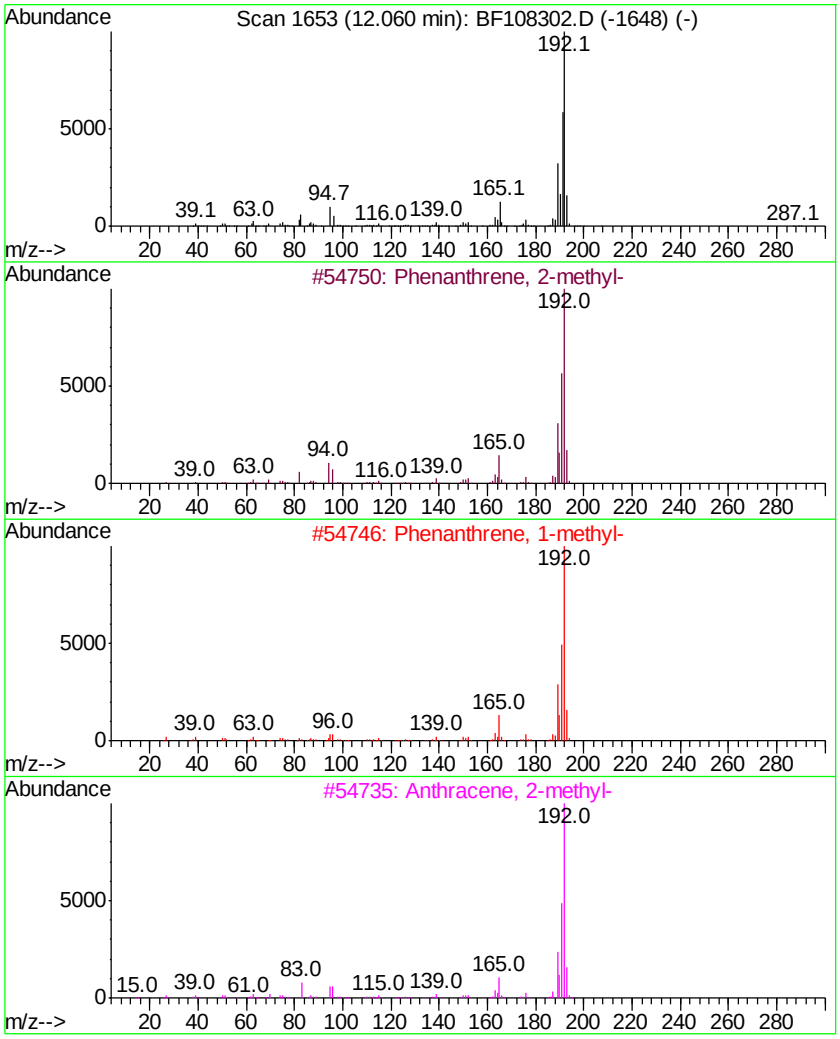
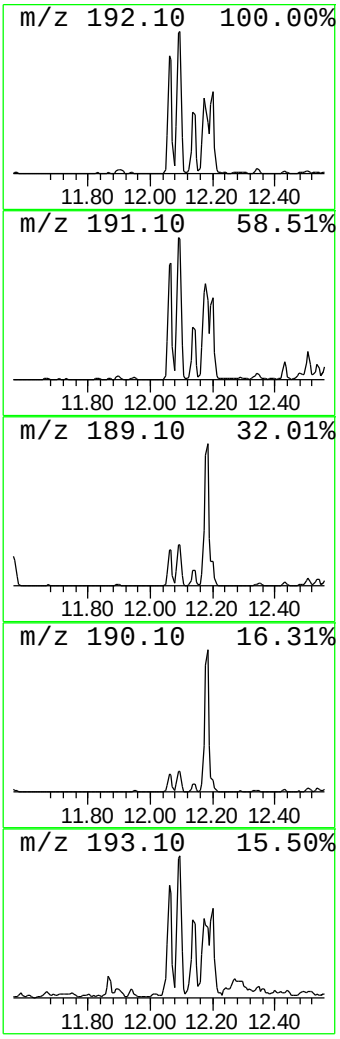
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	15.42 ng	872345	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Library Search Compound Report

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Misc :
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Instrument : BNA_F
ClientSampleId : 72-11969

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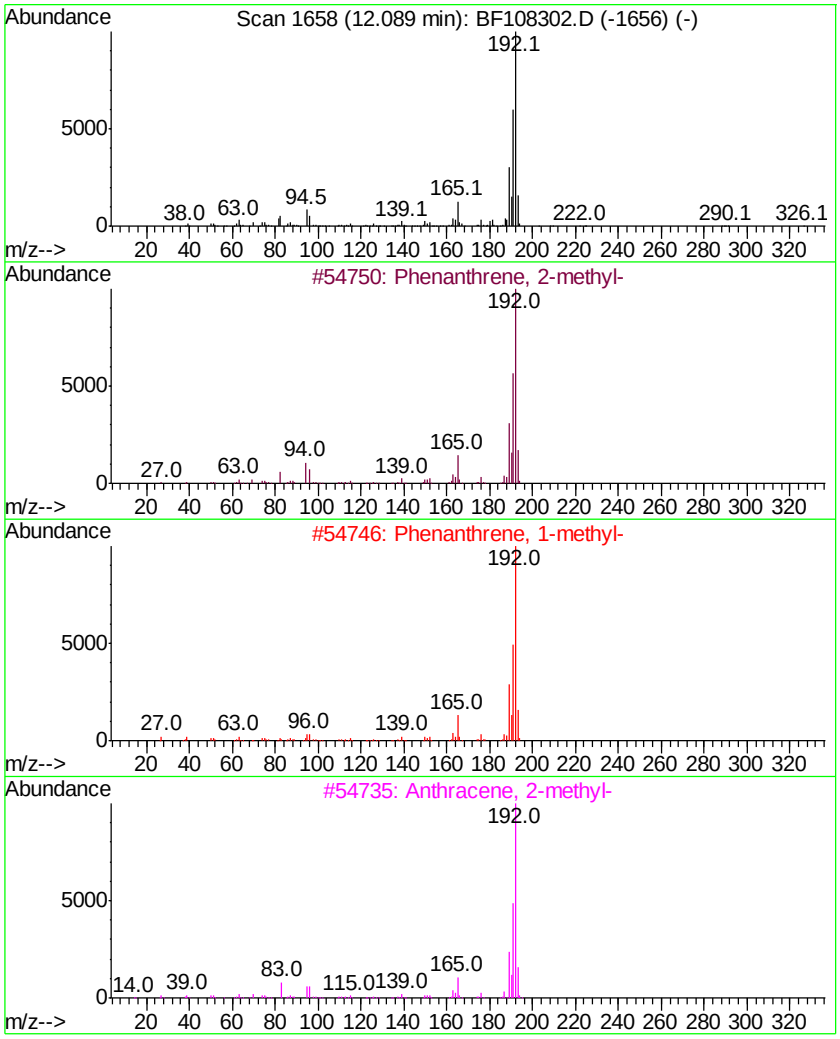
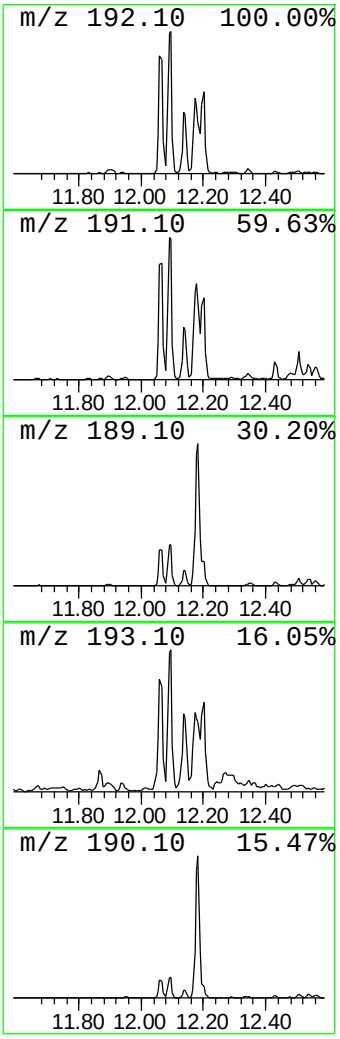
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	17.25 ng	976289	Phenanthrene-d10	11.56

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	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11969

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TIC Integration Parameters: LSCINT.P

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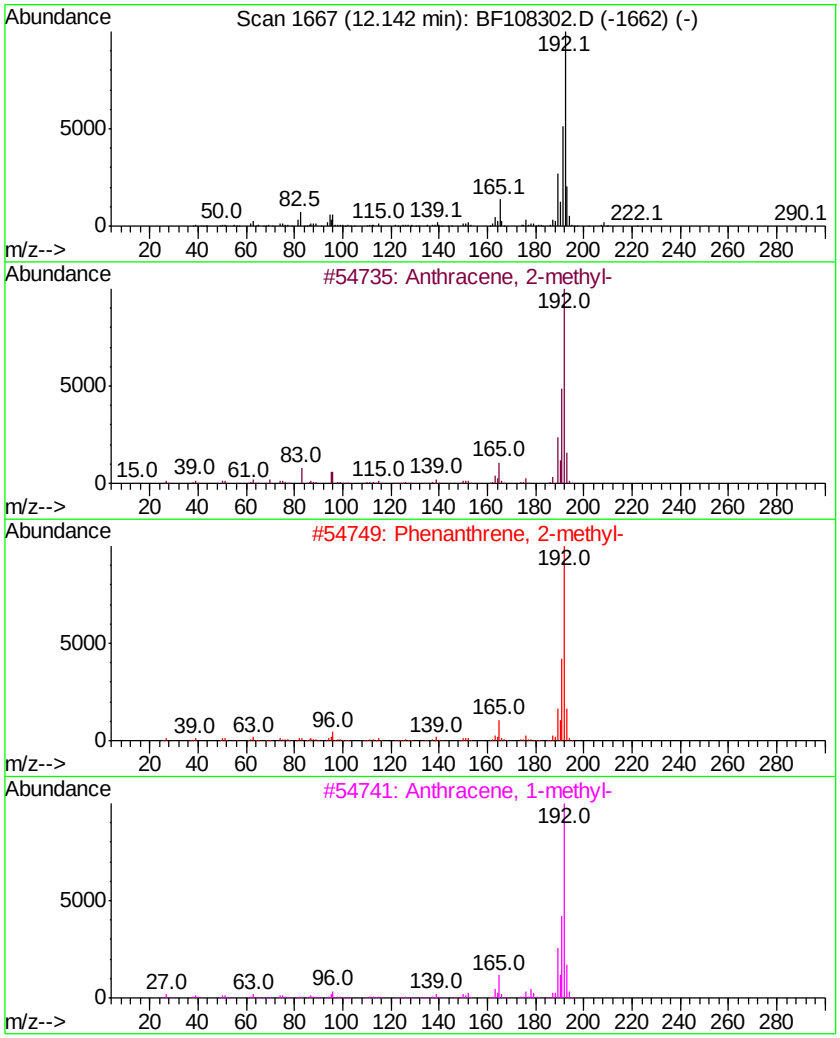
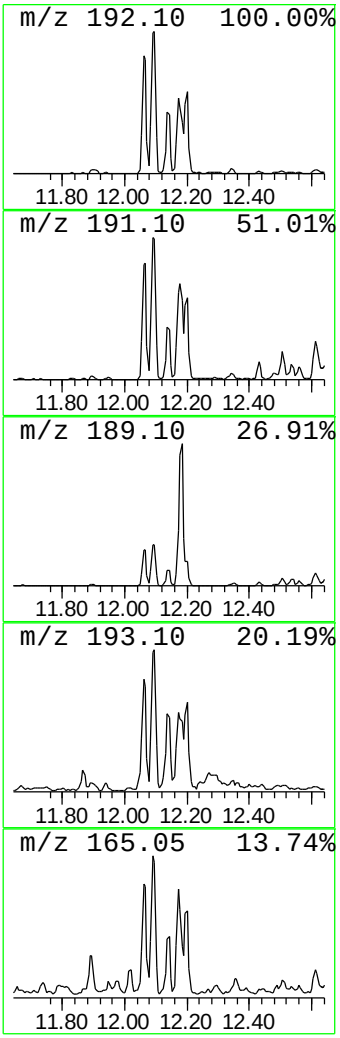
Peak Number 10 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	7.56 ng	428009	Phenanthrene-d10	11.56

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





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ClientSampleId : 72-11969

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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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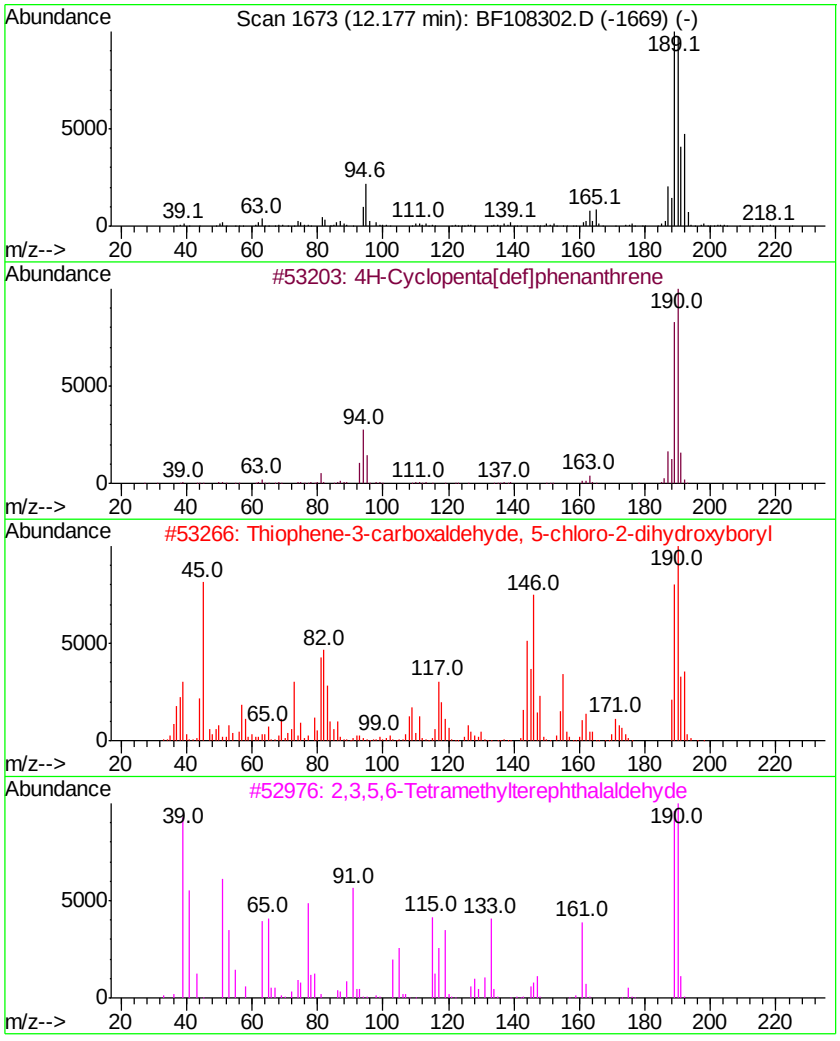
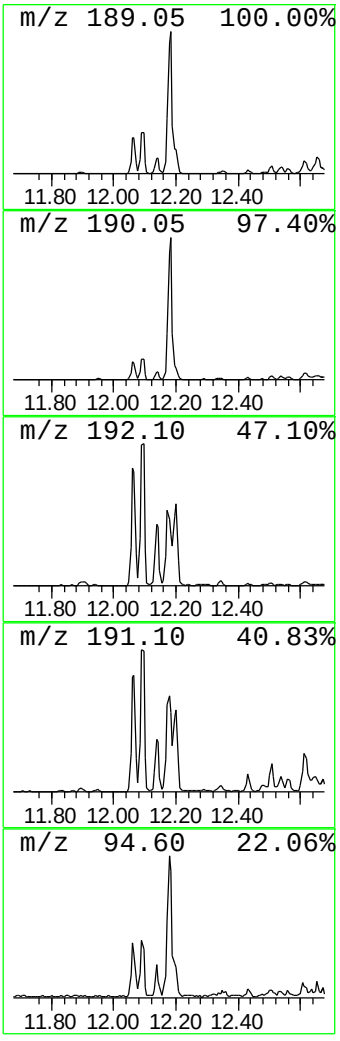
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	30.86 ng	1746410	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





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ClientSampleId : 72-11969

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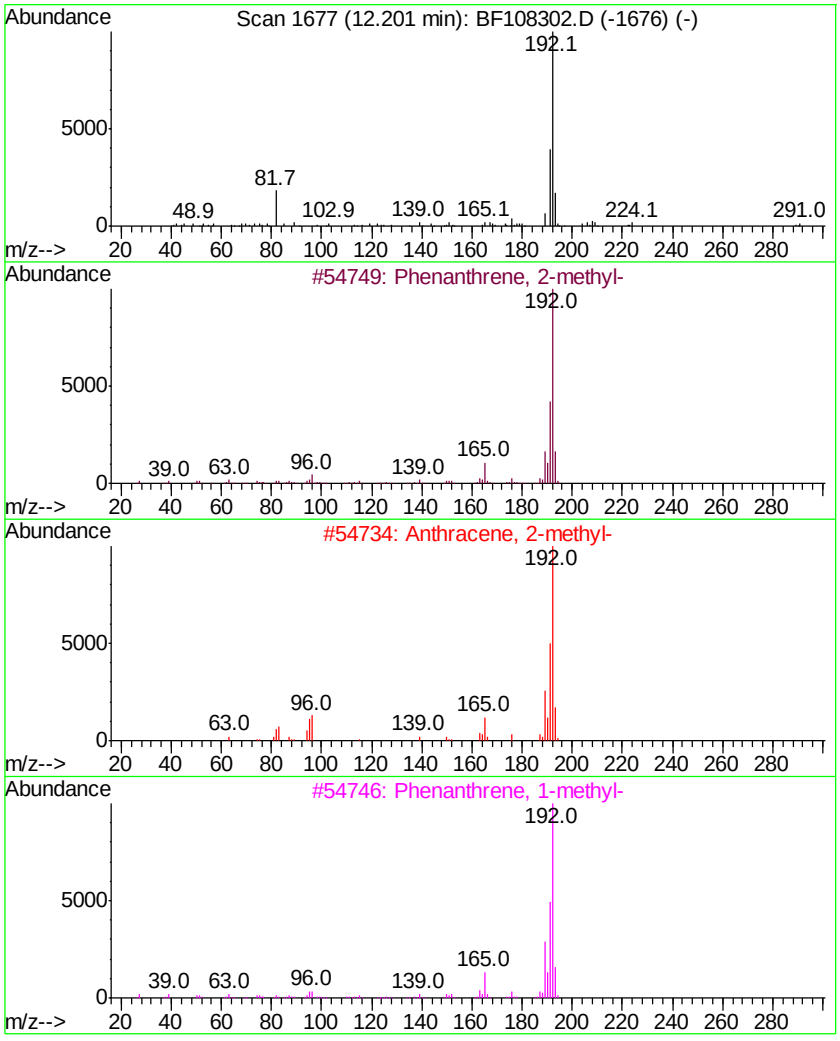
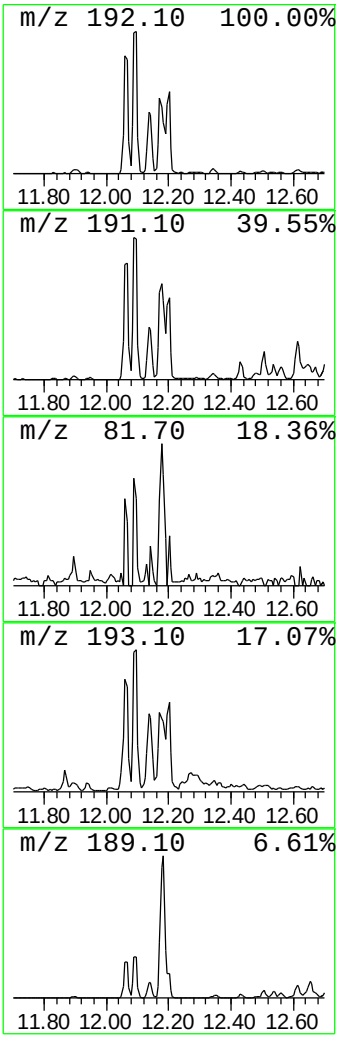
Peak Number 12 Anthracene, 9-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	4.84 ng	274132	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	80
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	80





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Sample : J4521-07 10X
Misc :
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TIC Integration Parameters: LSCINT.P

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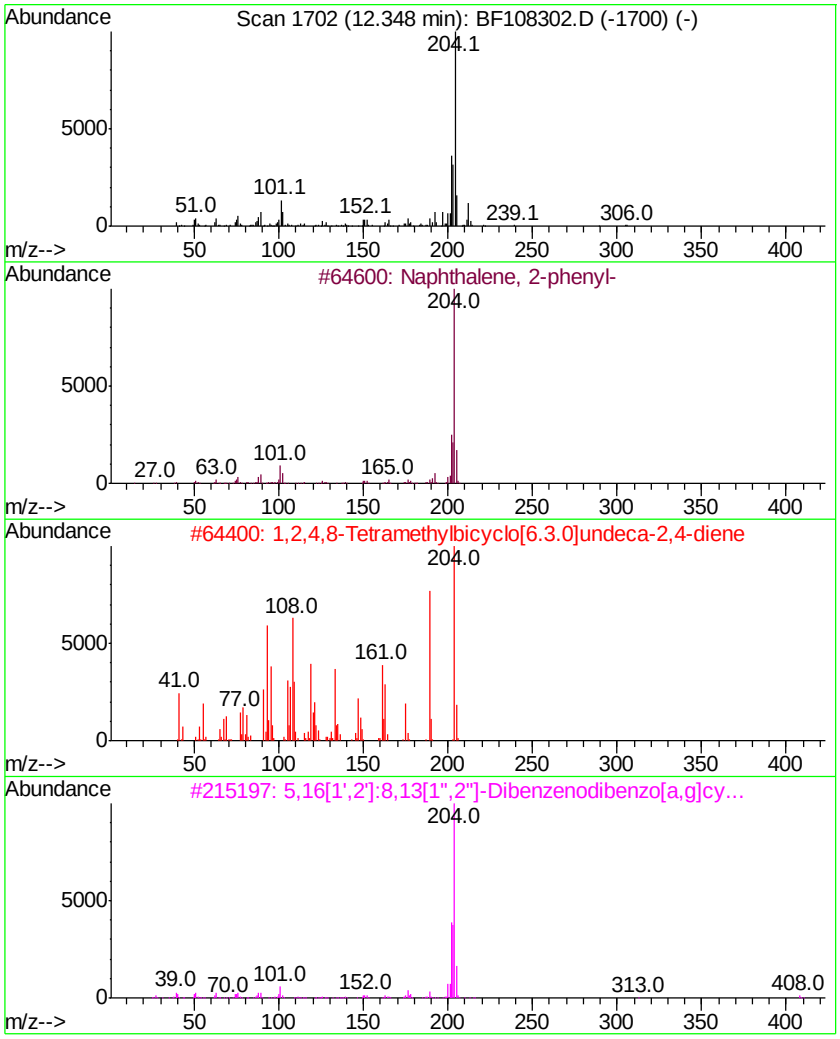
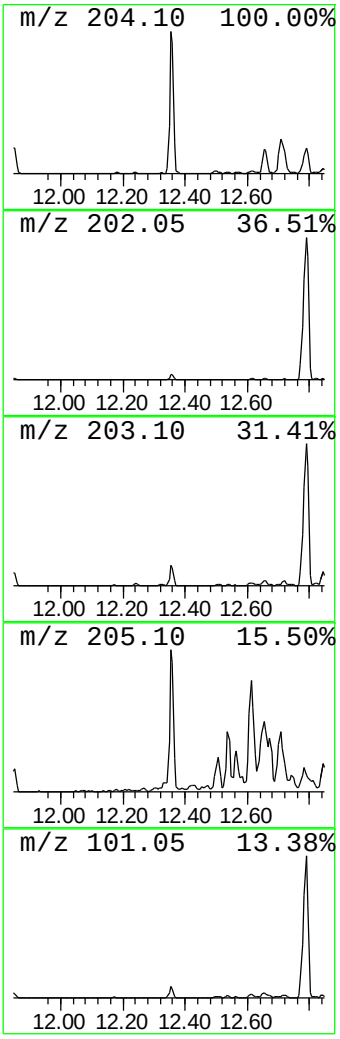
Peak Number 13 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	10.07 ng	569639	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	90
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	52





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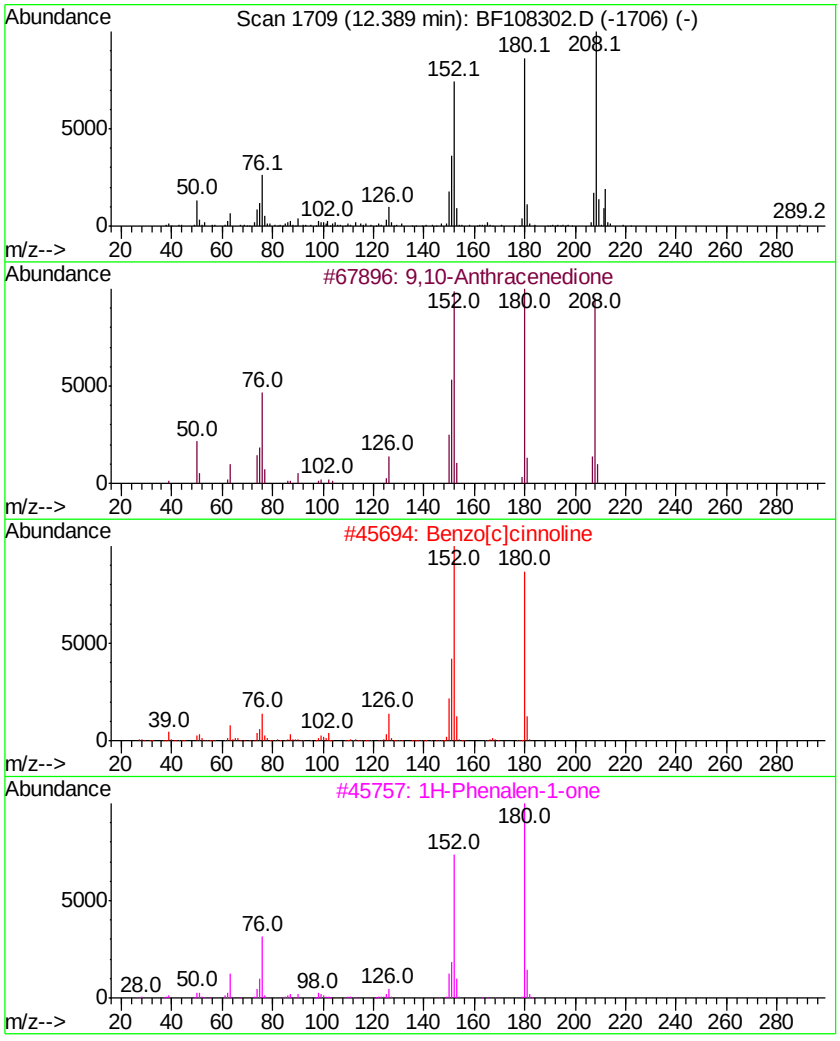
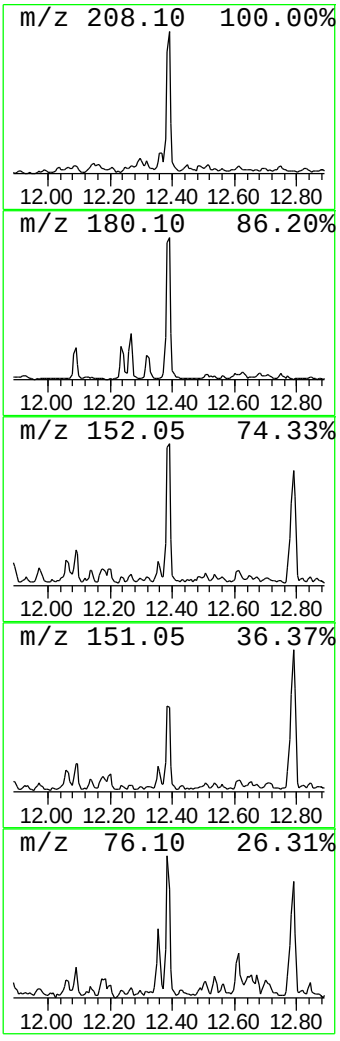
Peak Number 14 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	5.57 ng	315214	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	95
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53





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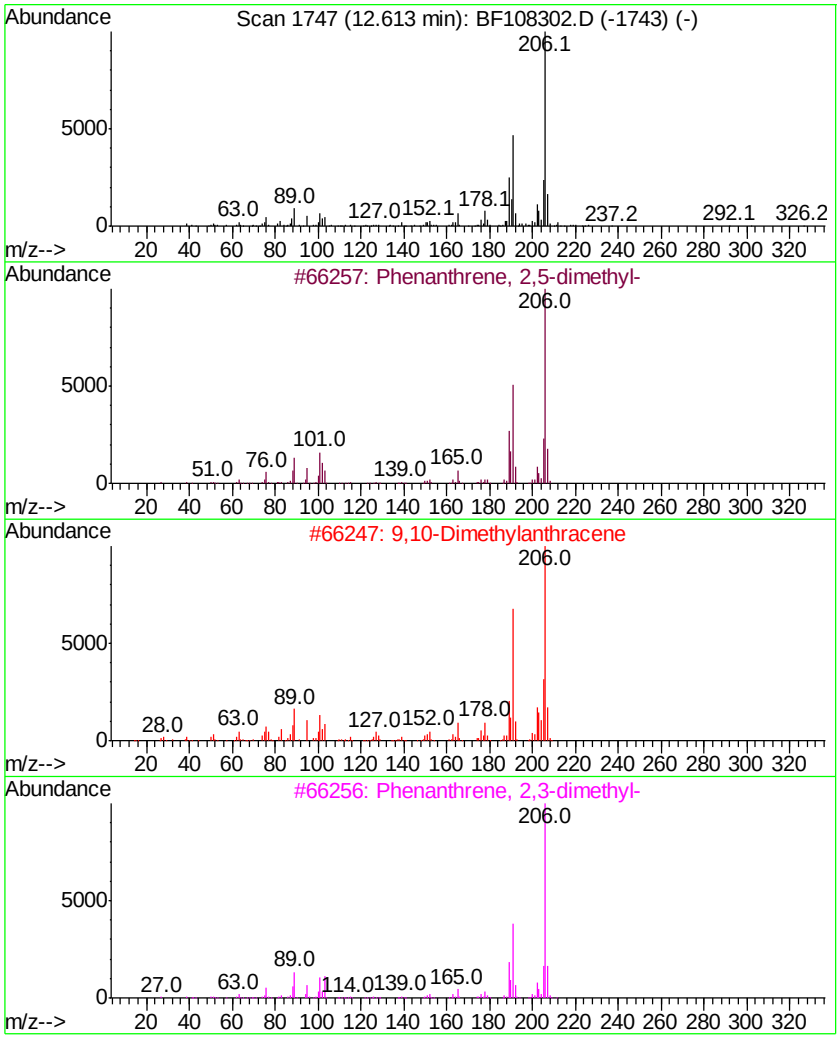
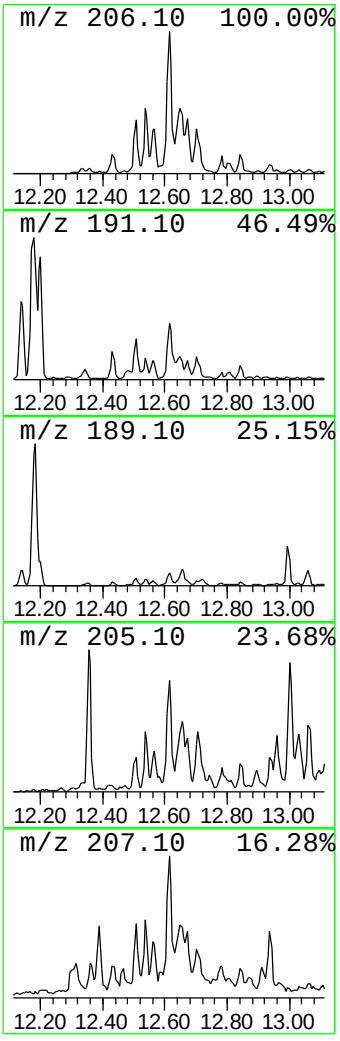
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	8.13 ng	459904	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





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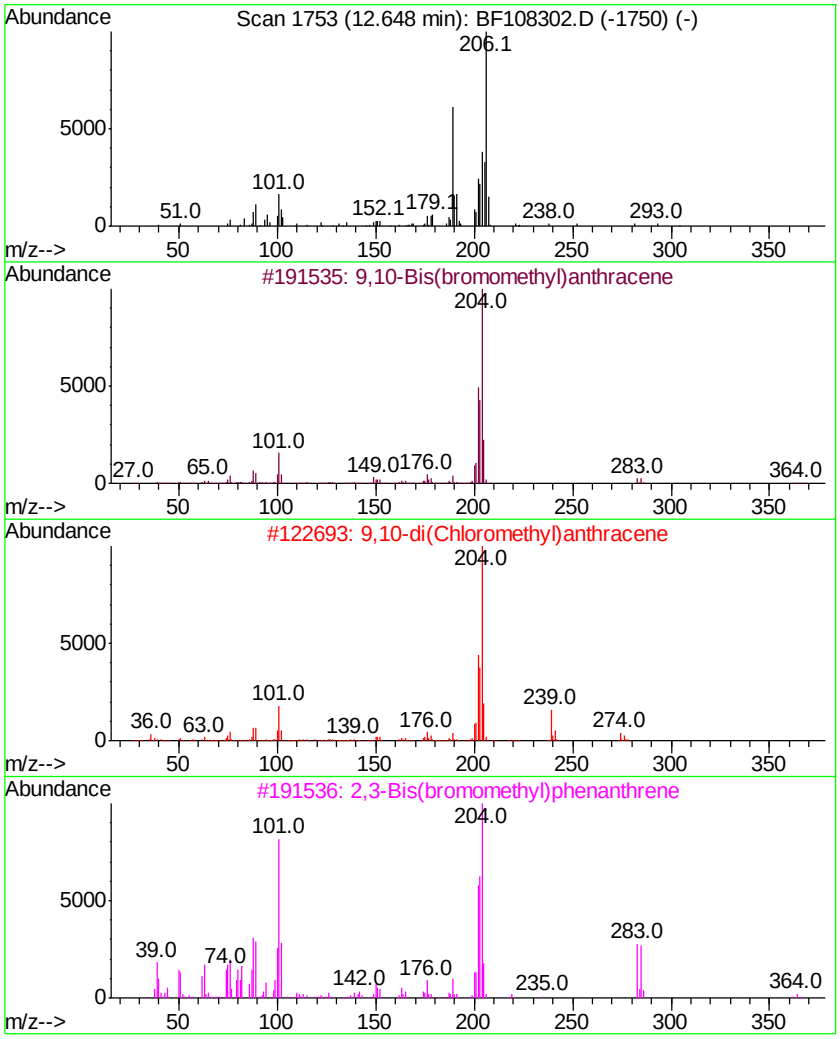
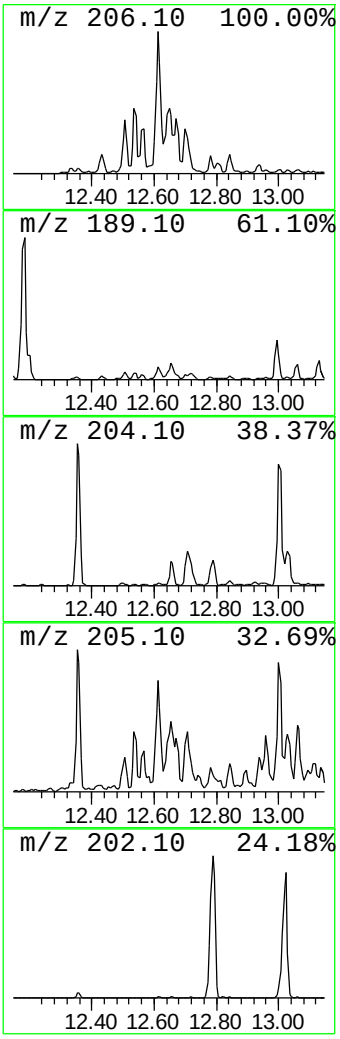
Peak Number 16 9,10-Bis(bromomethyl)anthra... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	7.59 ng	429356	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	43
3	2,3-Bis(bromomethyl)phenanthrene	362	C16H12Br2	1000261-29-6	38
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	38
5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
Data File : BF108302.D
Acq On : 20 Aug 2018 20:45
Operator : JU/SJ
Sample : J4521-07 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11969

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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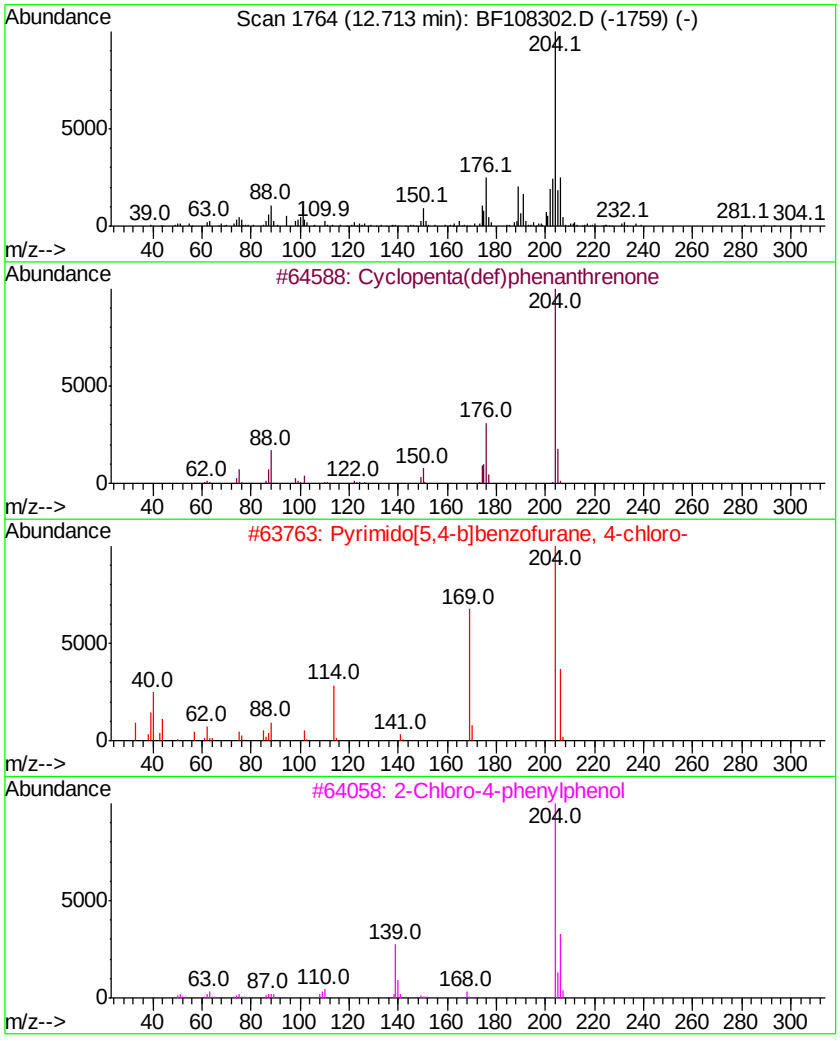
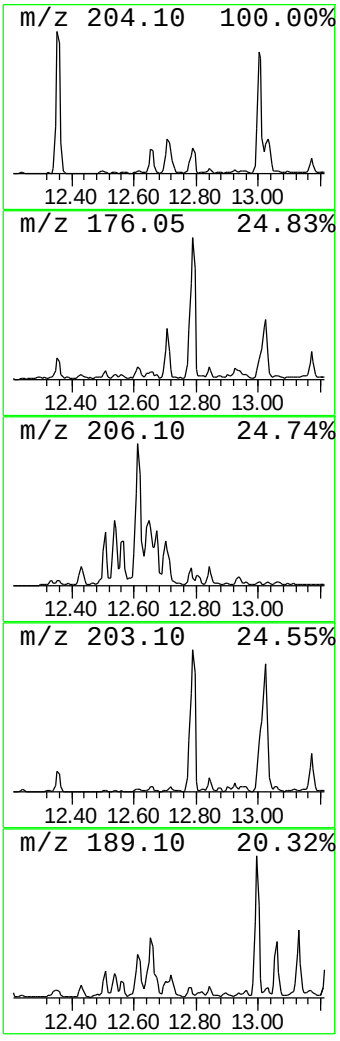
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	5.78 ng	327309	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	83
2	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	38
3	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	38
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	37
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	35





Library Search Compound Report

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Data File : BF108302.D
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Operator : JU/SJ
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Misc :
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Instrument : BNA_F
ClientSampleId : 72-11969

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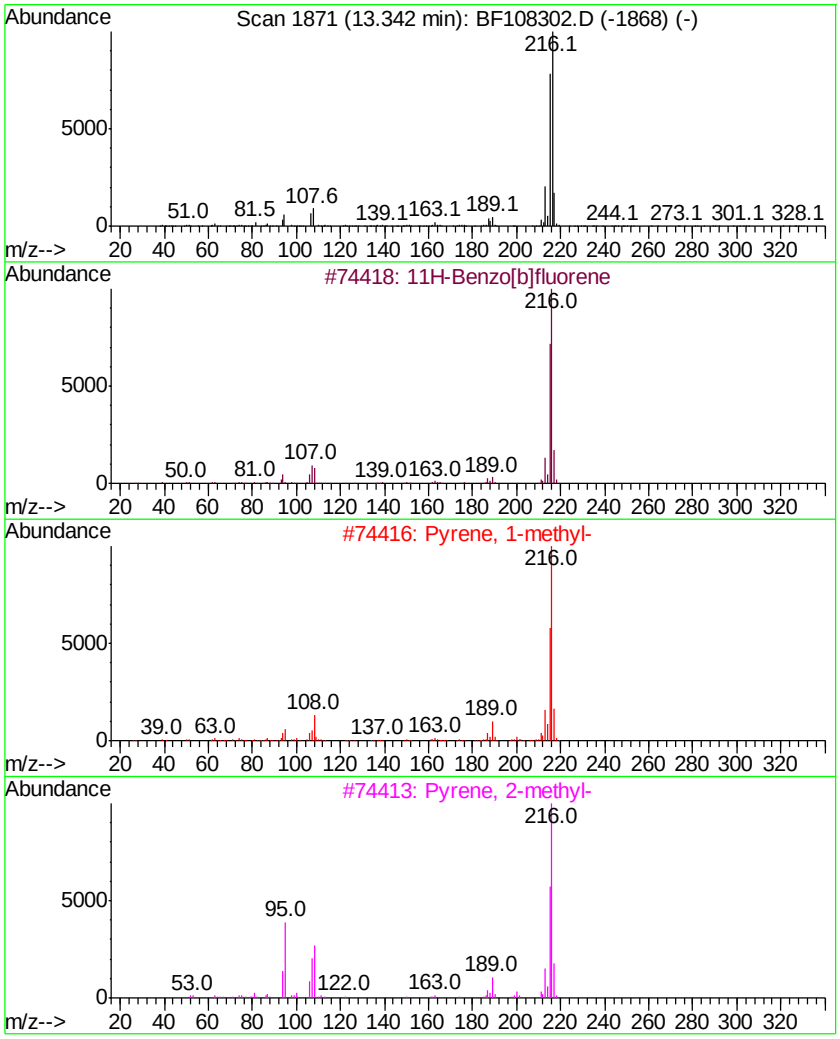
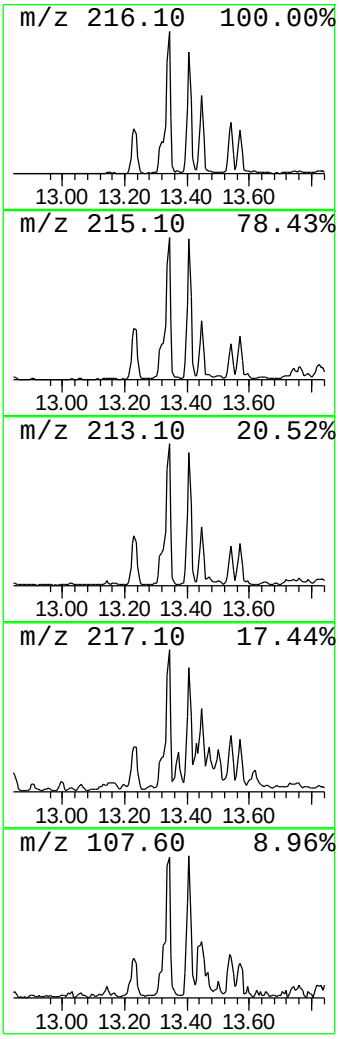
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	4.76 ng	901398	Chrysene-d12	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83





Library Search Compound Report

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Operator : JU/SJ
Sample : J4521-07 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11969

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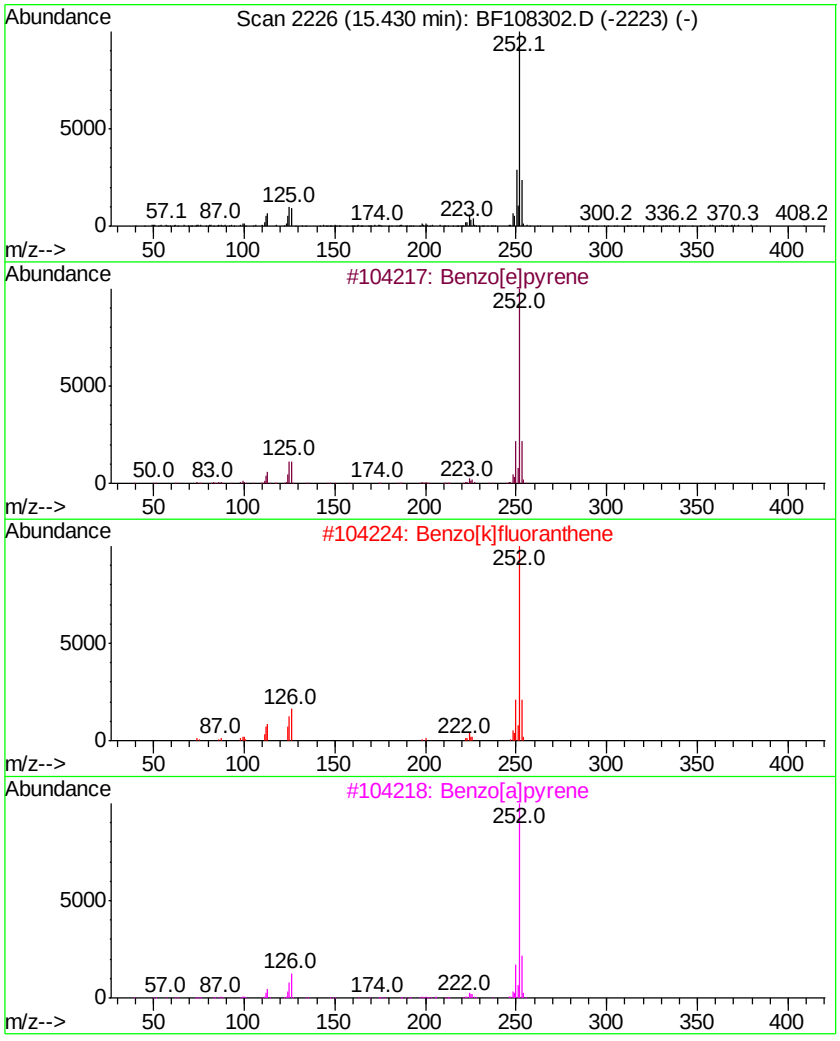
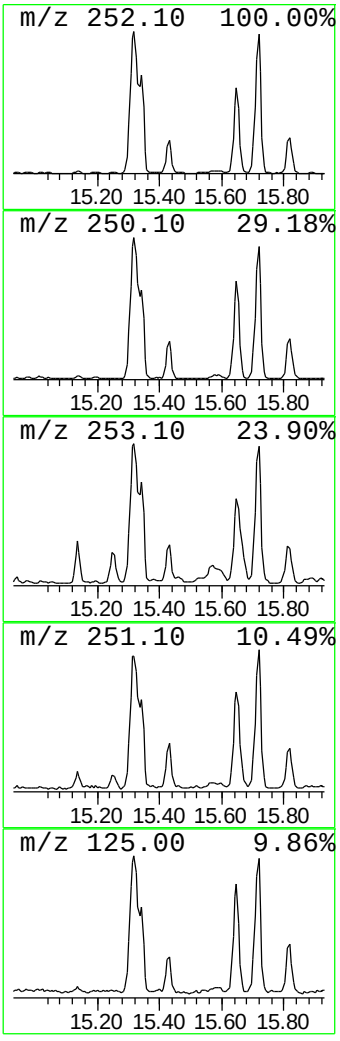
Peak Number 19 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	8.36 ng	292528	Perylene-d12	15.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Perylene	252	C20H12	000198-55-0	74





Library Search Compound Report

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Operator : JU/SJ
Sample : J4521-07 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11969

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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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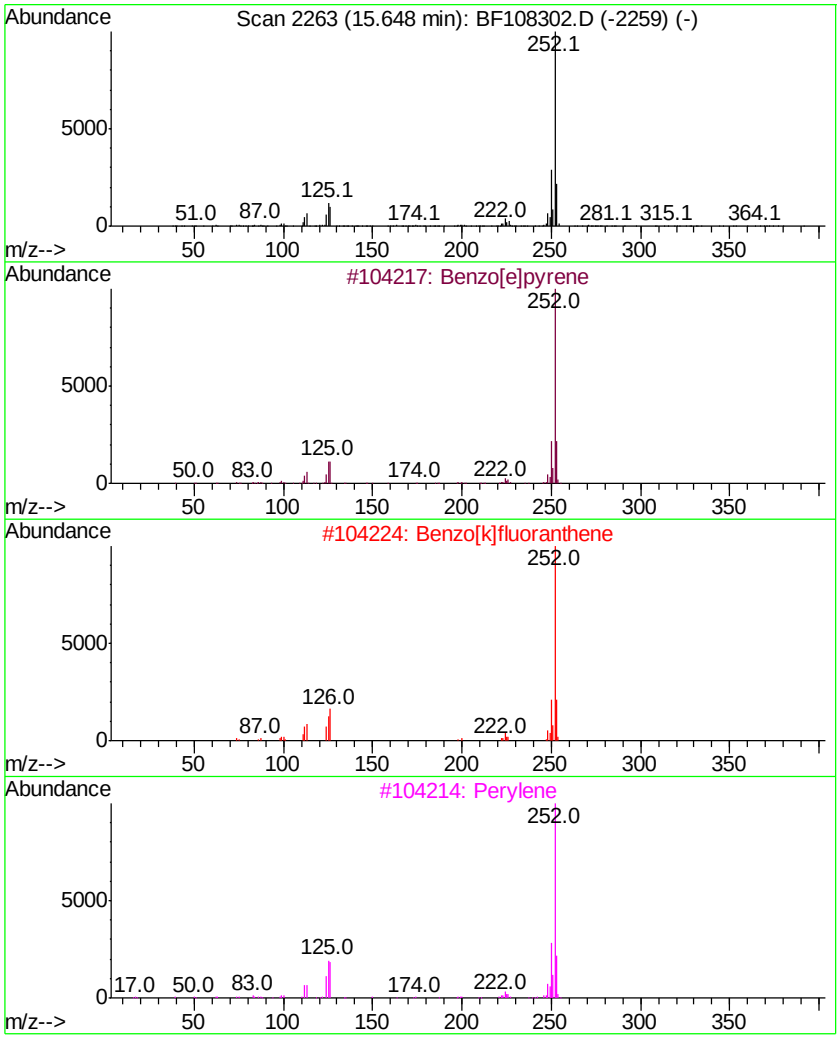
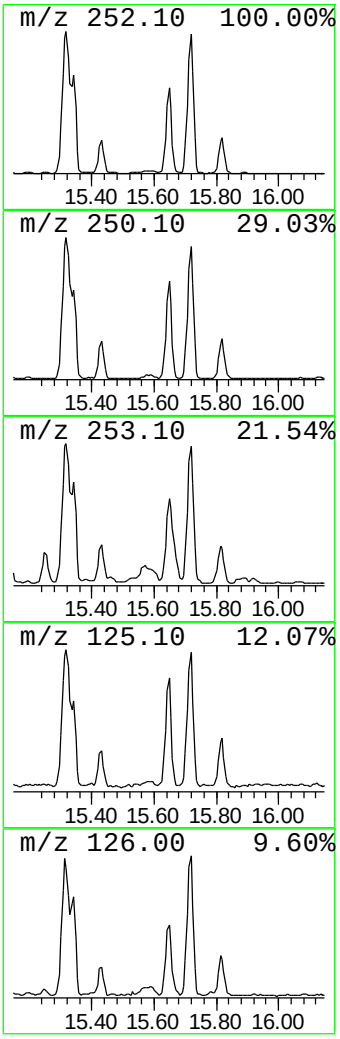
Peak Number 20 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	27.27 ng	954275	Perylene-d12	15.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	97
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082018\
Data File : BF108302.D
Acq On : 20 Aug 2018 20:45
Operator : JU/SJ
Sample : J4521-07 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11969

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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
unknown6.78	6.78	6.3	ng	316143	1	7.02	996963	20.0
Naphthalene, 1-me...	9.11	5.6	ng	344690	2	8.30	1222400	20.0
Naphthalene, 1,6-...	9.64	5.8	ng	328384	3	10.07	1126720	20.0
Naphthalene, 2,3-...	9.71	7.4	ng	416582	3	10.07	1126720	20.0
9H-Fluorene, 1-me...	11.16	6.6	ng	375982	4	11.56	1131710	20.0
Naphtho[2,1-b]thi...	11.45	8.1	ng	455520	4	11.56	1131710	20.0
Phenanthrene, 2-m...	12.06	15.4	ng	872345	4	11.56	1131710	20.0
Phenanthrene, 1-m...	12.09	17.3	ng	976289	4	11.56	1131710	20.0
Anthracene, 2-met...	12.14	7.6	ng	428009	4	11.56	1131710	20.0
4H-Cyclopenta[def...	12.18	30.9	ng	1746410	4	11.56	1131710	20.0
Anthracene, 9-met...	12.20	4.8	ng	274132	4	11.56	1131710	20.0
1,2,4,8-Tetrameth...	12.35	10.1	ng	569639	4	11.56	1131710	20.0
9,10-Anthracenedione	12.39	5.6	ng	315214	4	11.56	1131710	20.0
Phenanthrene, 2,5...	12.61	8.1	ng	459904	4	11.56	1131710	20.0
9,10-Bis(bromomet...	12.65	7.6	ng	429356	4	11.56	1131710	20.0
Cyclopenta(def)ph...	12.71	5.8	ng	327309	4	11.56	1131710	20.0
11H-Benzo[b]fluorene	13.34	4.8	ng	901398	5	14.22	3789550	20.0
Benzo[e]pyrene	15.43	8.4	ng	292528	6	15.78	699863	20.0
Perylene	15.65	27.3	ng	954275	6	15.78	699863	20.0