LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081418\
Data File : BF108142.D
Acq On : 14 Aug 2018 14:06
Operator : JU/SJ
Sample : J4460-15 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081018-ESW-015

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	566	rBV	349743	309450	3.97%	0.376%
2	6.625	726	729	737	rBV	395795	346073	4.43%	0.420%
3	6.784	752	756	759	rBV	408085	333205	4.27%	0.405%
4	7.019	792	796	799	rBV	1429264	1136815	14.57%	1.381%
5	7.172	818	822	825	rBV	298802	250745	3.21%	0.305%
6	7.572	886	890	894	rBV	219861	194162	2.49%	0.236%
7	8.301	1010	1014	1016	rBV	1593334	1414115	18.12%	1.718%
8	8.325	1016	1018	1021	rVB	869604	643688	8.25%	0.782%
9	9.013	1132	1135	1139	rBV	356543	292361	3.75%	0.355%
10	9.113	1147	1152	1156	rBV	306368	262368	3.36%	0.319%
11	9.372	1193	1196	1200	rVB	418600	335500	4.30%	0.408%
12	9.642	1238	1242	1246	rVB	112407	151147	1.94%	0.184%
13	9.719	1250	1255	1257	rBV	232467	237457	3.04%	0.288%
14	9.836	1273	1275	1283	rVB	128054	138655	1.78%	0.168%
15	9.925	1287	1290	1294	rVB2	119855	117206	1.50%	0.142%
16	10.066	1311	1314	1317	rVV	1541983	1312508	16.82%	1.594%
17	10.095	1317	1319	1322	rVB	837530	684323	8.77%	0.831%
18	10.266	1344	1348	1352	rBV	552444	582302	7.46%	0.707%
19	10.377	1364	1367	1370	rBV	103683	111451	1.43%	0.135%
20	10.613	1403	1407	1411	rVB	804635	714571	9.16%	0.868%
21	10.772	1431	1434	1438	rVB	257260	238019	3.05%	0.289%
22	10.854	1444	1448	1452	rVB	416906	445376	5.71%	0.541%
23	11.148	1493	1498	1499	rBV2	129800	154519	1.98%	0.188%
24	11.166	1499	1501	1503	rVV	188764	158329	2.03%	0.192%
25	11.189	1503	1505	1508	rVV2	117597	115855	1.48%	0.141%
26	11.289	1517	1522	1524	rBV3	126217	166299	2.13%	0.202%
27	11.313	1524	1526	1531	rVV3	149683	174640	2.24%	0.212%
28	11.366	1531	1535	1538	rVV	608326	543804	6.97%	0.661%
29	11.401	1538	1541	1548	rVV4	146154	261635	3.35%	0.318%
30	11.460	1548	1551	1555	rVB	546110	480817	6.16%	0.584%
31	11.566	1565	1569	1570	rBV	1305849	1262055	16.17%	1.533%
32	11.595	1570	1574	1577	rVV	6720662	6690532	85.74%	8.128%
33	11.642	1577	1582	1584	rVV	1678505	1530847	19.62%	1.860%
34	11.672	1584	1587	1592	rVB	182216	203484	2.61%	0.247%

LSC Area Percent Report

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Sample : J4460-15 10X
Misc :
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Instrument : BNA_F
ClientSampleId : RA-081018-ESW-015

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-BF080818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.789	1601	1607	1612	rBV2	1120474	1184293	15.18%	1.439%
36	11.854	1616	1618	1620	rVV	143924	107295	1.37%	0.130%
37	11.895	1620	1625	1629	rVB5	274797	320900	4.11%	0.390%
38	11.971	1636	1638	1643	rVB	106073	144045	1.85%	0.175%
39	12.066	1648	1654	1656	rVV	1076268	960302	12.31%	1.167%
40	12.095	1656	1659	1662	rVV	1457769	1240165	15.89%	1.507%
41	12.142	1663	1667	1670	rVB	457357	398404	5.11%	0.484%
42	12.183	1670	1674	1676	rBV2	1207895	1542698	19.77%	1.874%
43	12.201	1676	1677	1680	rVB	752296	432525	5.54%	0.525%
44	12.242	1680	1684	1686	rBV3	132566	123282	1.58%	0.150%
45	12.266	1686	1688	1691	rBV2	162156	123117	1.58%	0.150%
46	12.360	1700	1704	1706	rBV	744366	603566	7.73%	0.733%
47	12.389	1706	1709	1712	rVB	866139	693799	8.89%	0.843%
48	12.507	1724	1729	1732	rBV2	256928	310868	3.98%	0.378%
49	12.542	1732	1735	1737	rVV	218020	165219	2.12%	0.201%
50	12.566	1737	1739	1741	rVB	204321	152719	1.96%	0.186%
51	12.618	1744	1748	1751	rBV2	529009	664565	8.52%	0.807%
52	12.654	1751	1754	1756	rVV2	268020	338308	4.34%	0.411%
53	12.677	1756	1758	1760	rVB	177647	137176	1.76%	0.167%
54	12.707	1760	1763	1768	rVB	554883	604476	7.75%	0.734%
55	12.795	1772	1778	1781	rBV	6817423	7423305	95.13%	9.018%
56	12.848	1784	1787	1790	rVB	257058	234863	3.01%	0.285%
57	12.913	1794	1798	1800	rBV3	203320	276290	3.54%	0.336%
58	12.942	1800	1803	1805	rVV	314468	301271	3.86%	0.366%
59	13.024	1809	1817	1820	rBV2	5888372	7803361	100.00%	9.480%
60	13.060	1821	1823	1827	rVB2	494370	469622	6.02%	0.570%
61	13.130	1827	1835	1840	rBV2	514143	977762	12.53%	1.188%
62	13.171	1840	1842	1846	rVB	517564	501315	6.42%	0.609%
63	13.236	1847	1853	1856	rBV2	528644	972112	12.46%	1.181%
64	13.266	1856	1858	1860	rVB	143278	102267	1.31%	0.124%
65	13.318	1863	1867	1868	rBV4	367760	482015	6.18%	0.586%
66	13.342	1868	1871	1874	rVB	722122	734710	9.42%	0.893%
67	13.407	1879	1882	1884	rBV	343474	278570	3.57%	0.338%
68	13.448	1884	1889	1892	rVV2	683701	802830	10.29%	0.975%
69	13.471	1892	1893	1896	rVB2	173019	119412	1.53%	0.145%
70	13.501	1896	1898	1901	rVB	150956	132464	1.70%	0.161%
71	13.542	1902	1905	1907	rBV	433878	351050	4.50%	0.426%

LSC Area Percent Report

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Sample : J4460-15 10X
Misc :
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Instrument : BNA_F
ClientSampleId : RA-081018-ESW-015

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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72	13.571	1907	1910	1913	rVB2	401942	376316	4.82%	0.457%
73	13.718	1932	1935	1937	rBV2	131140	166504	2.13%	0.202%
74	13.854	1955	1958	1962	rVB	1019680	907517	11.63%	1.102%
75	13.965	1972	1977	1980	rBV2	802095	1035228	13.27%	1.258%
76	13.995	1980	1982	1984	rVV	708540	561736	7.20%	0.682%
77	14.024	1984	1987	1990	rVV2	598845	788293	10.10%	0.958%
78	14.065	1990	1994	1997	rVB	862455	904737	11.59%	1.099%
79	14.136	2001	2006	2011	rBV	225174	401092	5.14%	0.487%
80	14.218	2012	2020	2023	rBV3	3791885	5653369	72.45%	6.868%
81	14.254	2023	2026	2032	rVB	3218508	3230042	41.39%	3.924%
82	14.307	2032	2035	2036	rBV2	120483	109763	1.41%	0.133%
83	14.330	2036	2039	2043	rBV	438823	390904	5.01%	0.475%
84	14.442	2055	2058	2061	rBV2	455249	472695	6.06%	0.574%
85	14.477	2061	2064	2066	rVB	147695	134365	1.72%	0.163%
86	14.565	2077	2079	2081	rBV	114135	102525	1.31%	0.125%
87	14.607	2083	2086	2088	rVV	588586	549653	7.04%	0.668%
88	14.642	2089	2092	2096	rVB2	368187	402365	5.16%	0.489%
89	14.736	2106	2108	2111	rBV	221671	254031	3.26%	0.309%
90	14.760	2111	2112	2116	rVB2	209449	155813	2.00%	0.189%
91	15.136	2172	2176	2184	rVB3	190569	388398	4.98%	0.472%
92	15.324	2202	2208	2211	rBV	1844743	3446479	44.17%	4.187%
93	15.436	2223	2227	2234	rVB	338319	417680	5.35%	0.507%
94	15.530	2240	2243	2245	rBV2	112199	146909	1.88%	0.178%
95	15.654	2259	2264	2270	rVB	1064430	1538496	19.72%	1.869%
96	15.724	2271	2276	2281	rVB	1552405	1937847	24.83%	2.354%
97	15.789	2282	2287	2290	rVV	612420	889908	11.40%	1.081%
98	15.824	2290	2293	2299	rVB2	449408	623391	7.99%	0.757%
99	17.412	2557	2563	2571	rVB2	575589	1201433	15.40%	1.460%
100	17.912	2642	2648	2656	rVB	422615	925344	11.86%	1.124%

Sum of corrected areas: 82318087

LSC Report - Integrated Chromatogram

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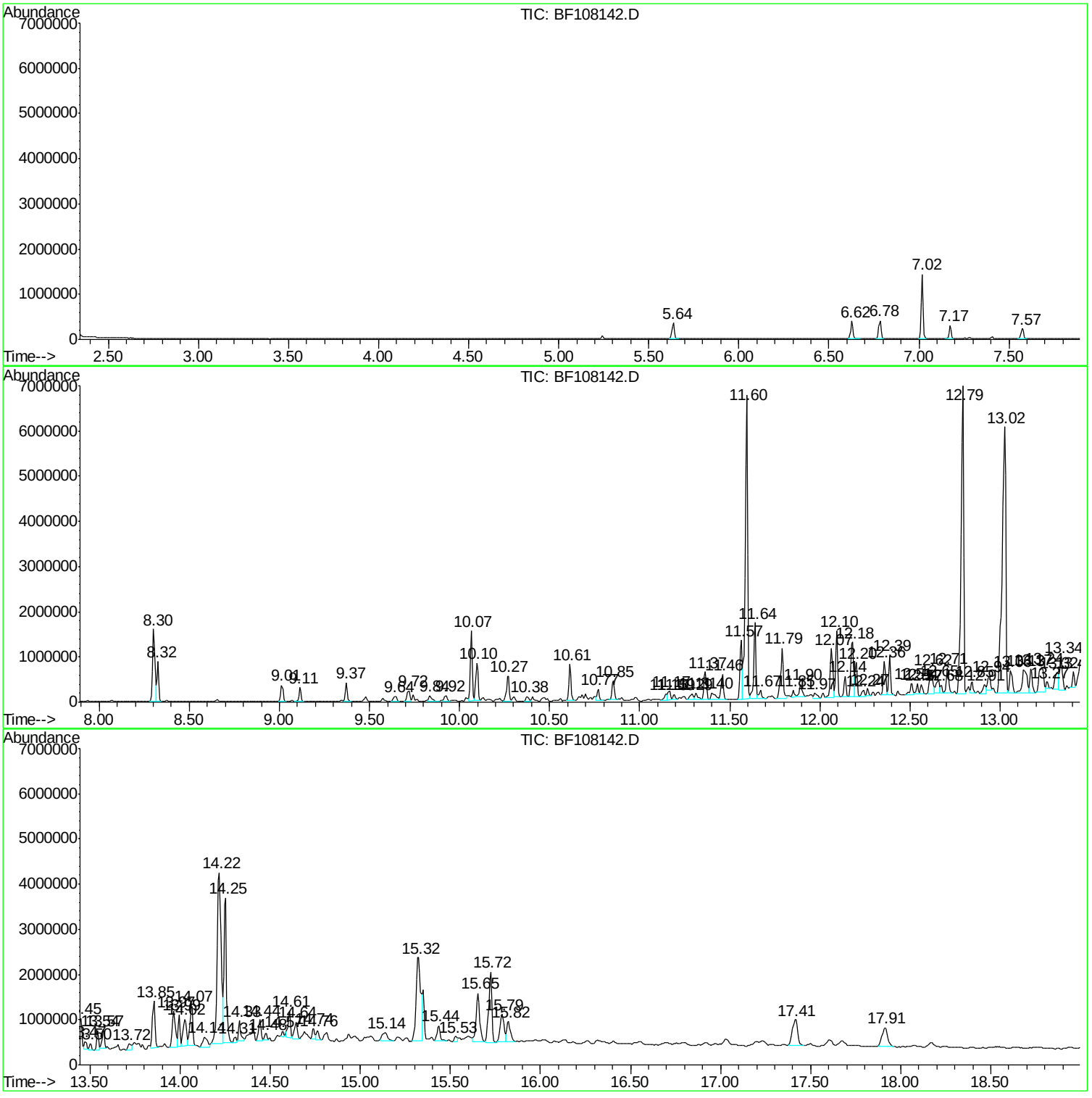
Sample : J4460-15 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RA-081018-ESW-015

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



Library Search Compound Report

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Acq On : 14 Aug 2018 14:06
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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

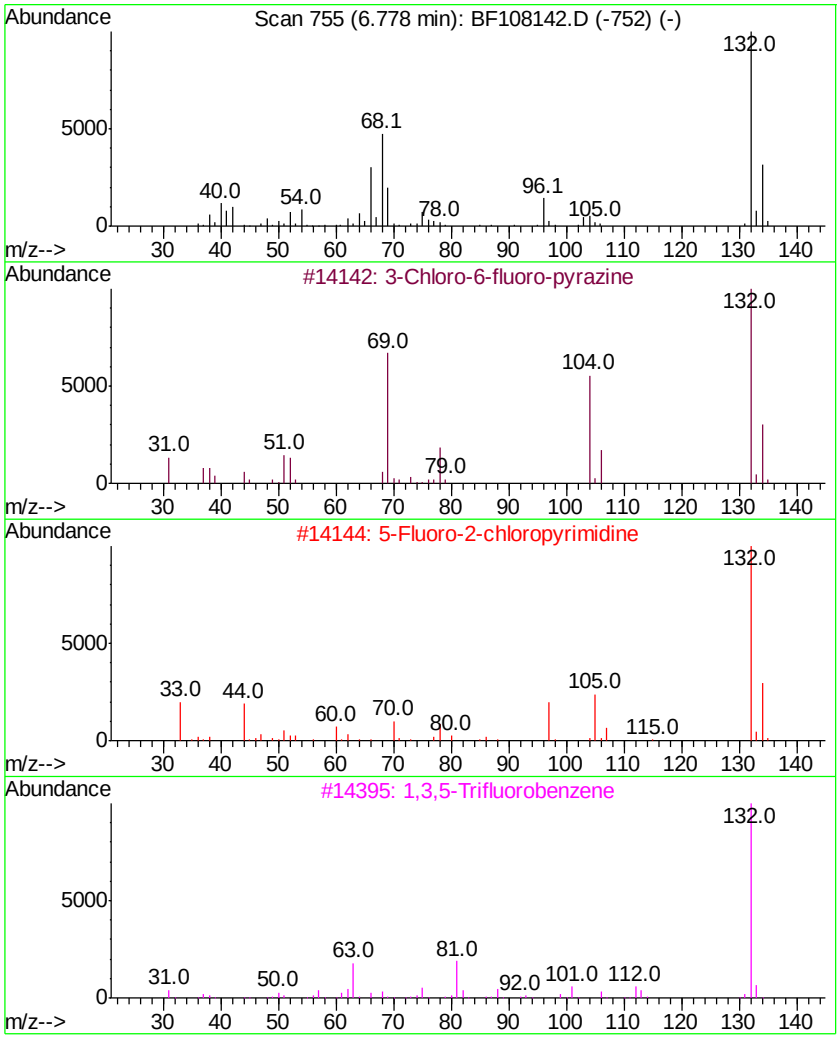
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

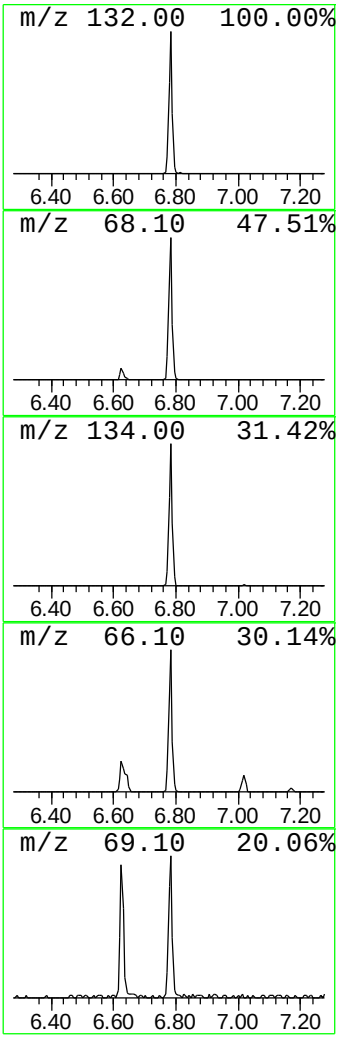
****

Peak Number 1 unknown6.78 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.78	5.86 ng	333205	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	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





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ClientSampleId : RA-081018-ESW-015

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

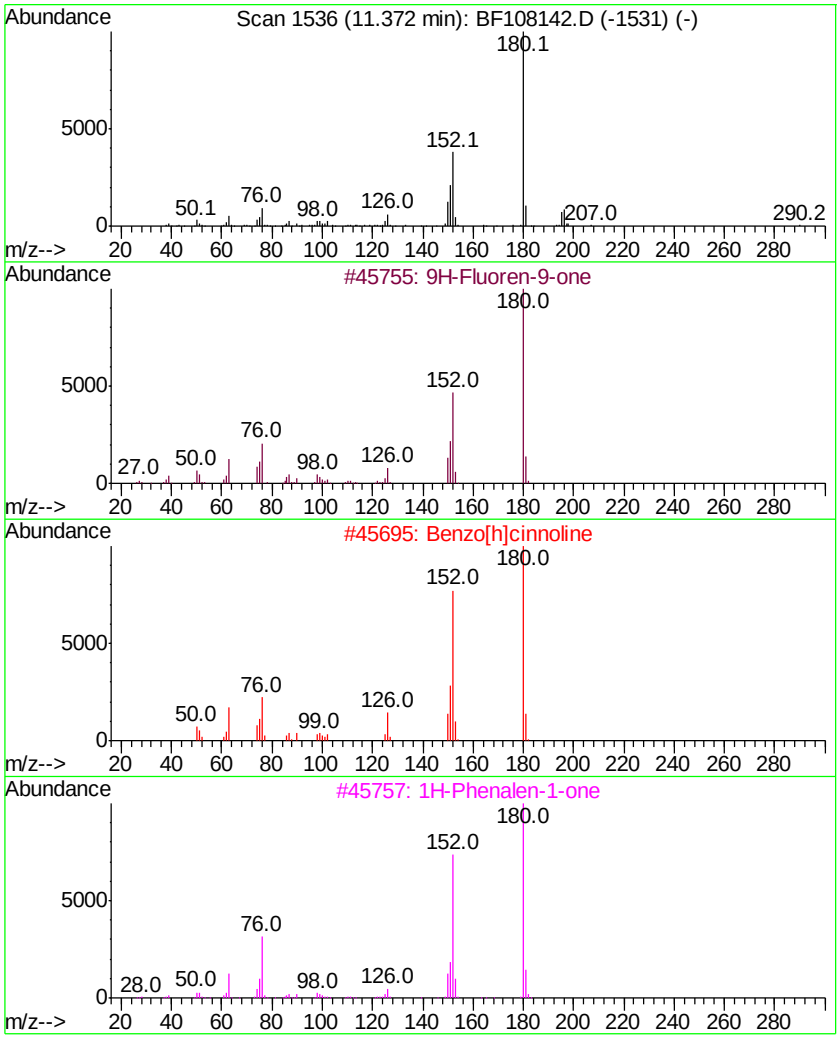
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

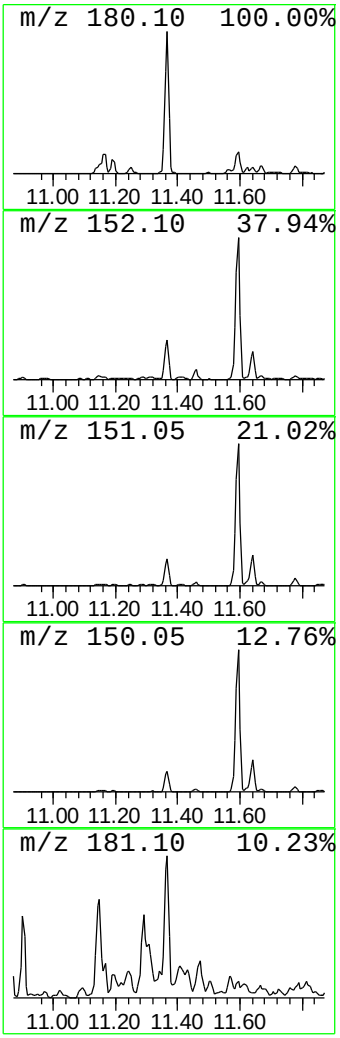
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	8.62 ng	543804	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	49
4	1,1'-Biphenyl, 4-ethenyl-	180	C14H12	002350-89-2	42
5	2-Benzothiophen-4(5H)-one, 6,7-d...	180	C10H12OS	1000338-11-9	38





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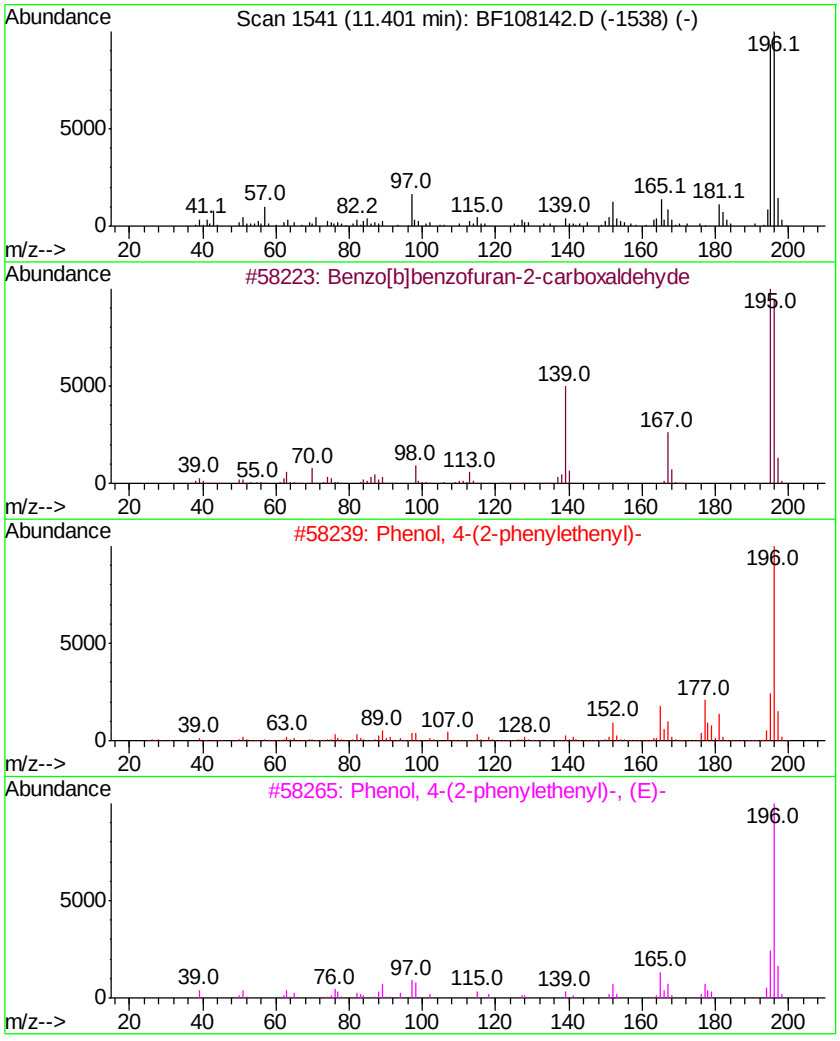
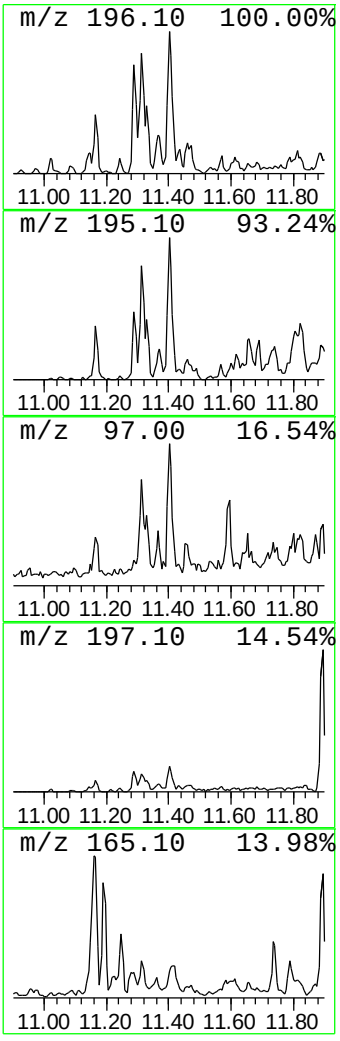
****

Peak Number 4 Benzo[b]benzofuran-2-carbox... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	4.15 ng	261635	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	59
2	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	58
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	49
5	Hydrosulfide, (5,6-dimethylthien...	196	C8H8N2S2	1000362-41-8	47





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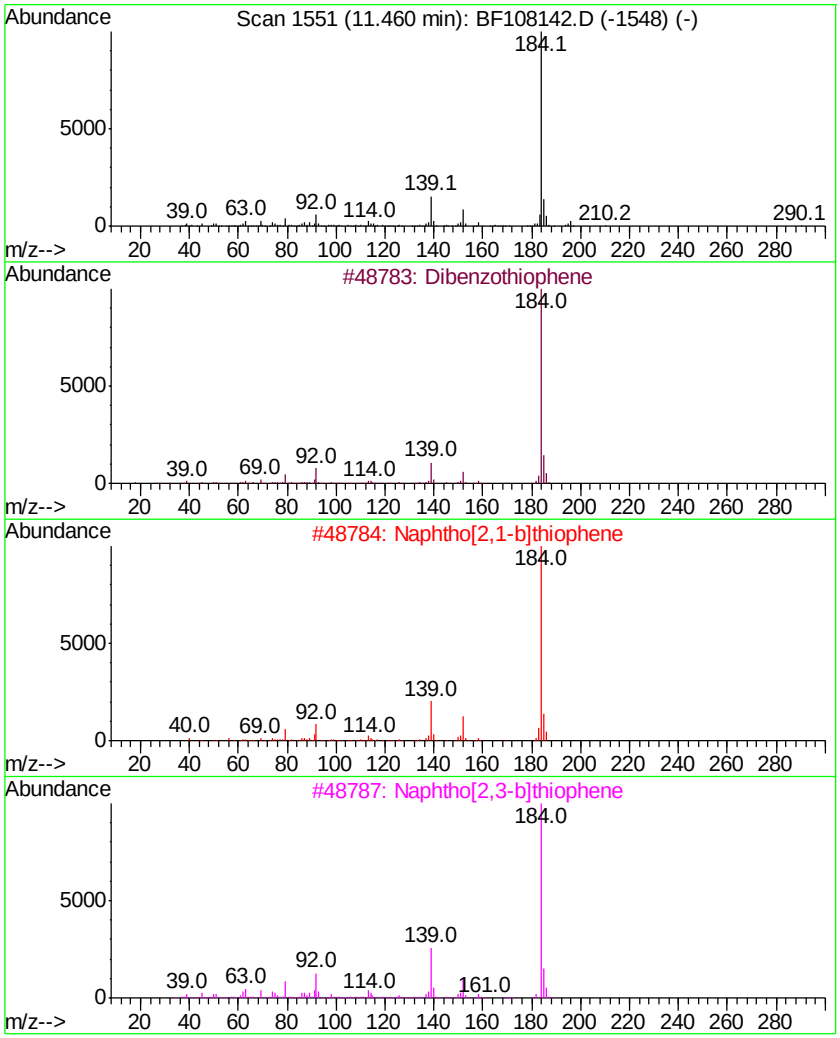
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

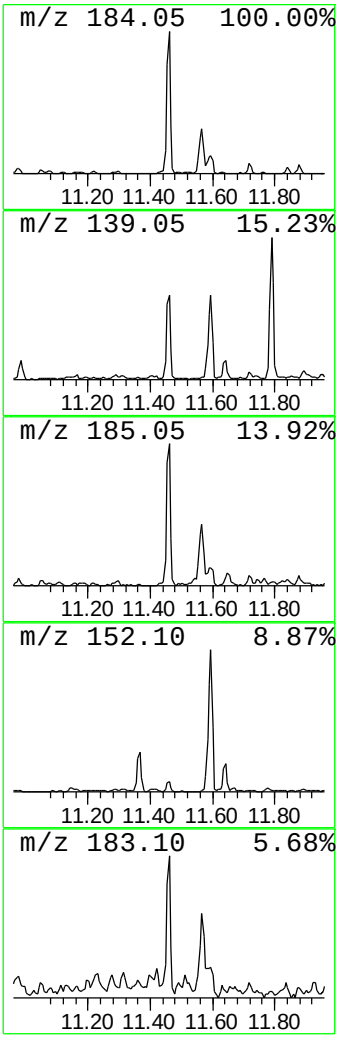
****

Peak Number 5 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.46	7.62 ng	480817	Phenanthrene-d10	11.57

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	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





Library Search Compound Report

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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081018-ESW-015

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

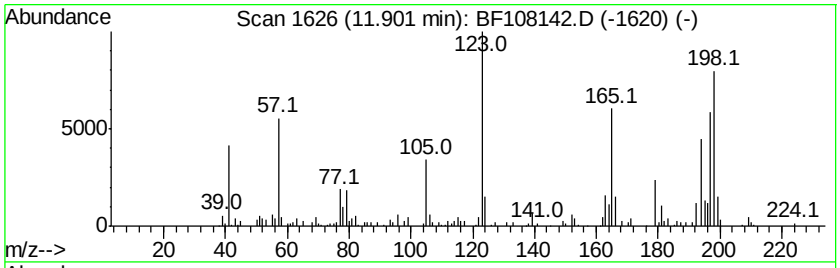
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

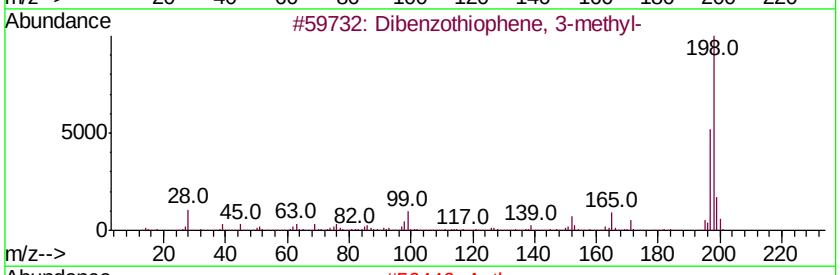
****

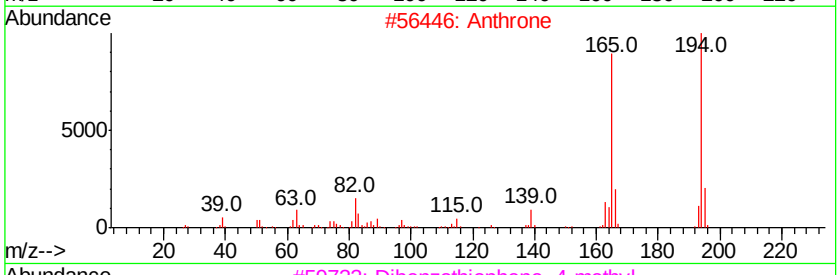
Peak Number 6 Dibenzothiophene, 3-methyl- Concentration Rank 17

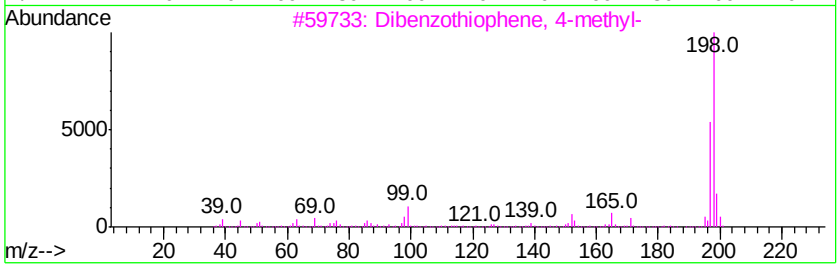
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	5.09 ng	320900	Phenanthrene-d10	11.57

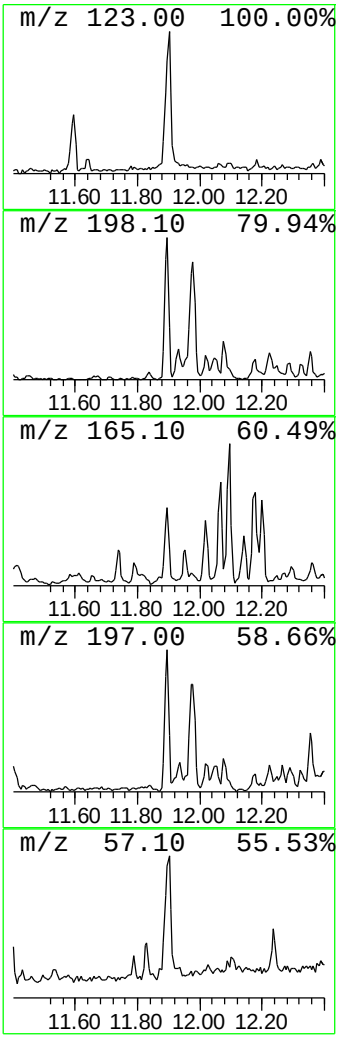
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	55
2	Anthrone	194	C14H10O	000090-44-8	49
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	49
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	49
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	45











Library Search Compound Report

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Data File : BF108142.D
Acq On : 14 Aug 2018 14:06
Operator : JU/SJ
Sample : J4460-15 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081018-ESW-015

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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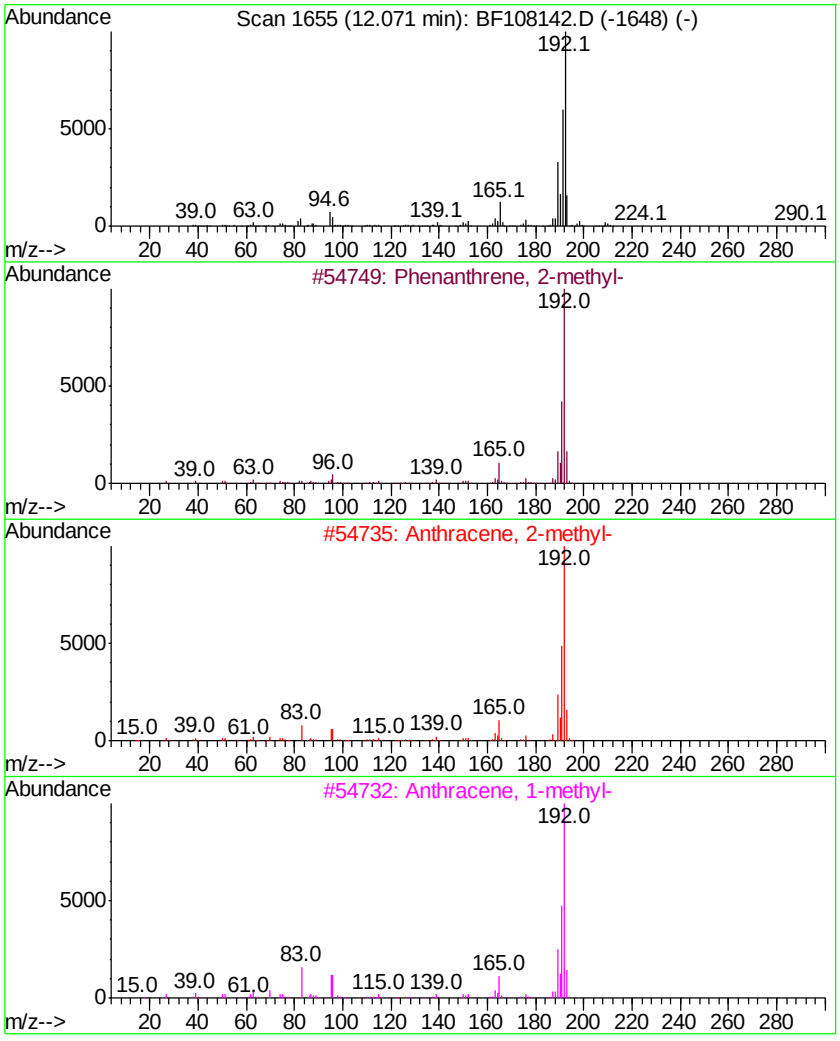
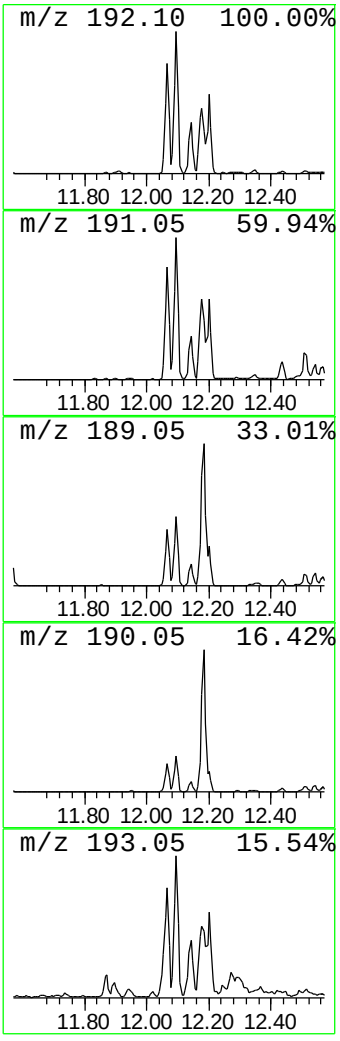
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	15.22 ng	960302	Phenanthrene-d10	11.57

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	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





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Sample : J4460-15 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081018-ESW-015

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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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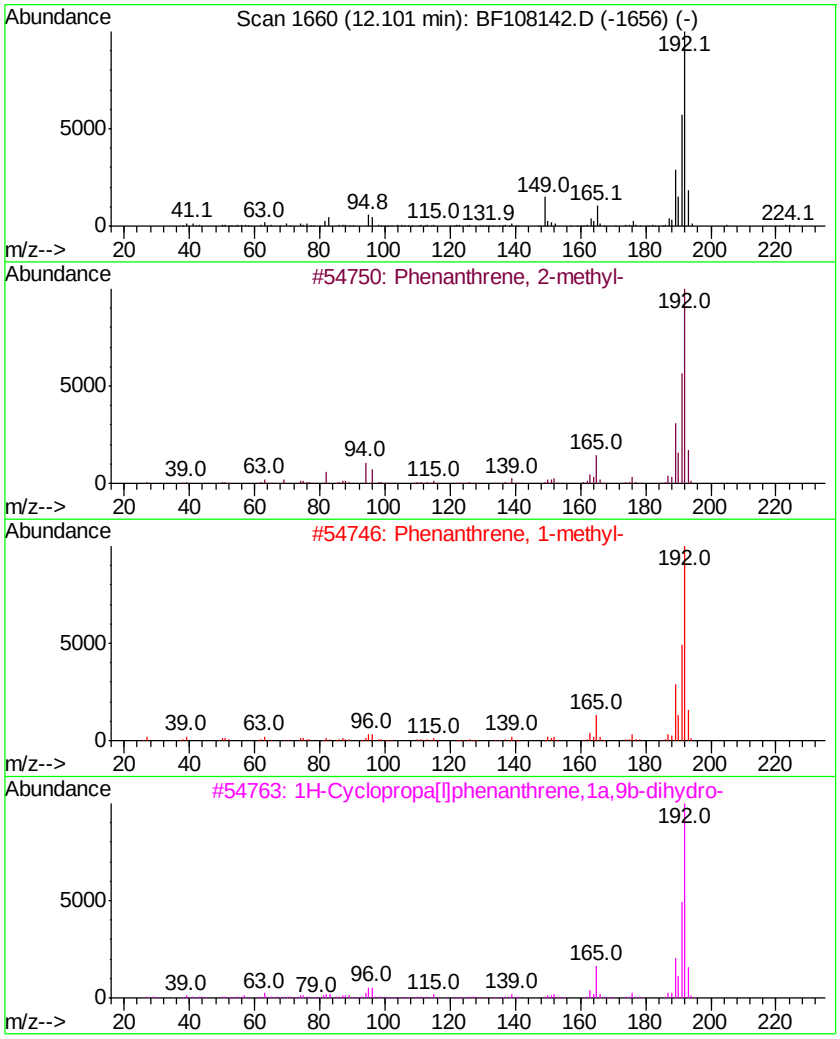
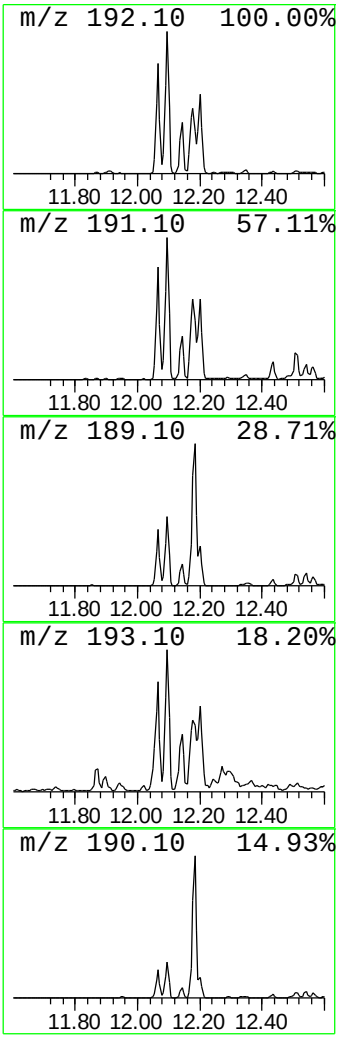
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	19.65 ng	1240170	Phenanthrene-d10	11.57

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Sample : J4460-15 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081018-ESW-015

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TIC Integration Parameters: LSCINT.P

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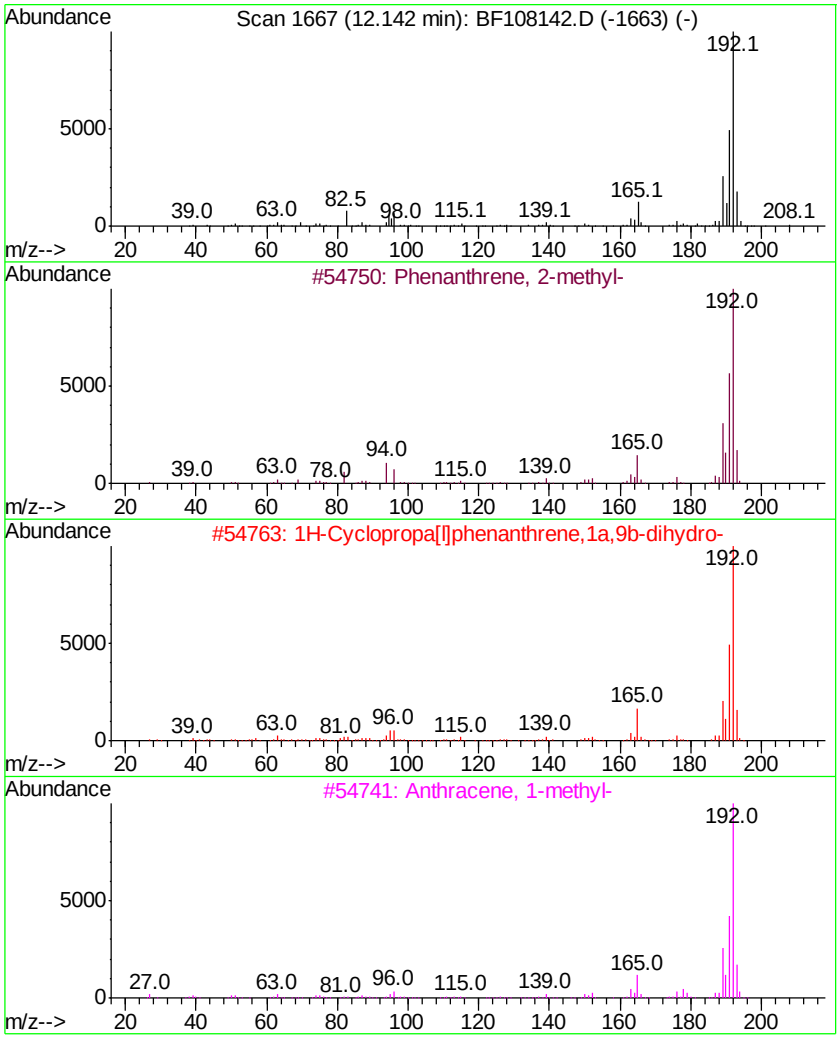
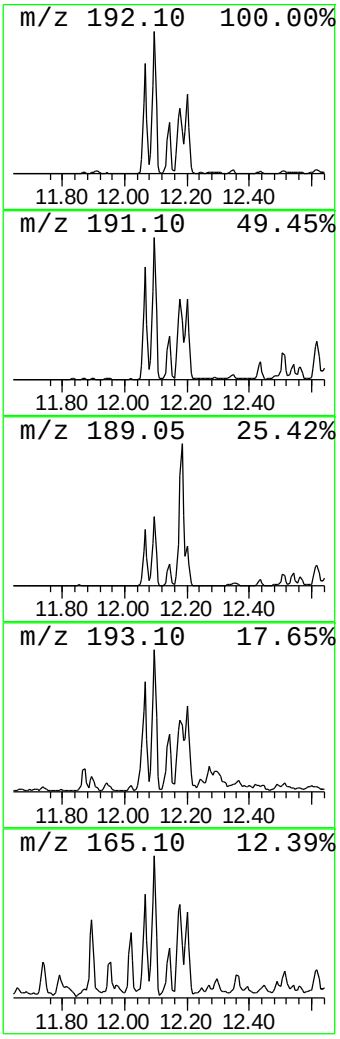
Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	6.31 ng	398404	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Misc :
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Instrument : BNA_F
ClientSampleId : RA-081018-ESW-015

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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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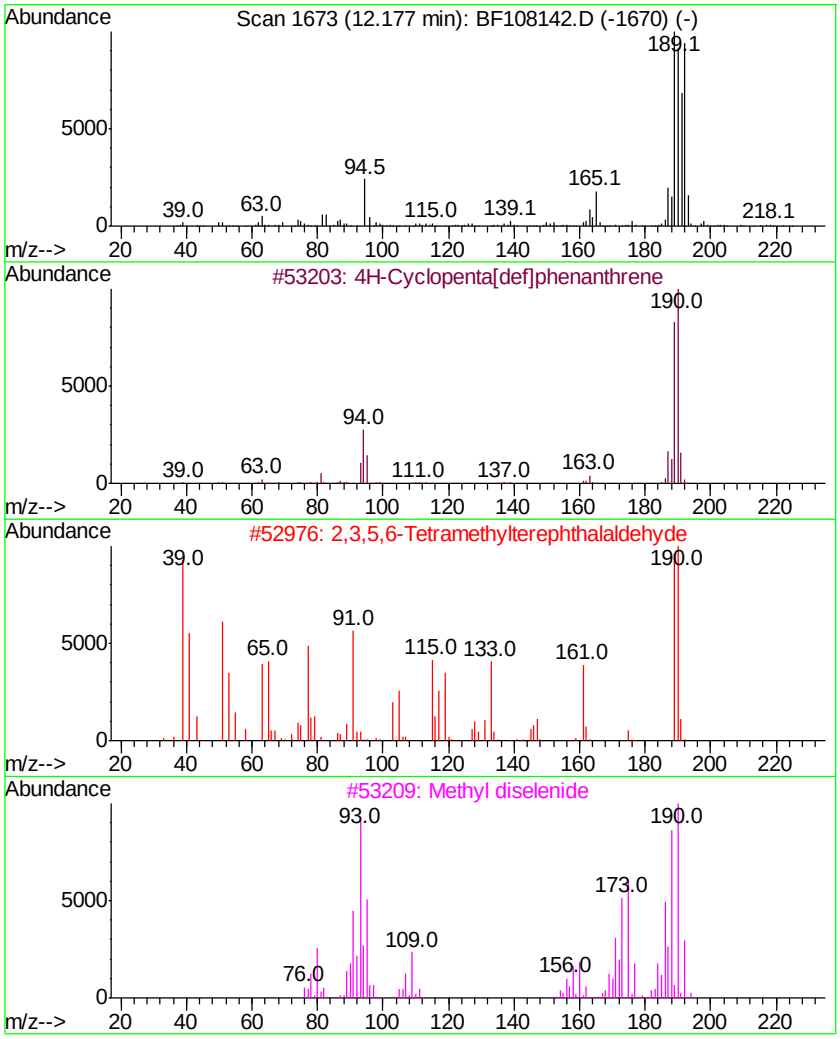
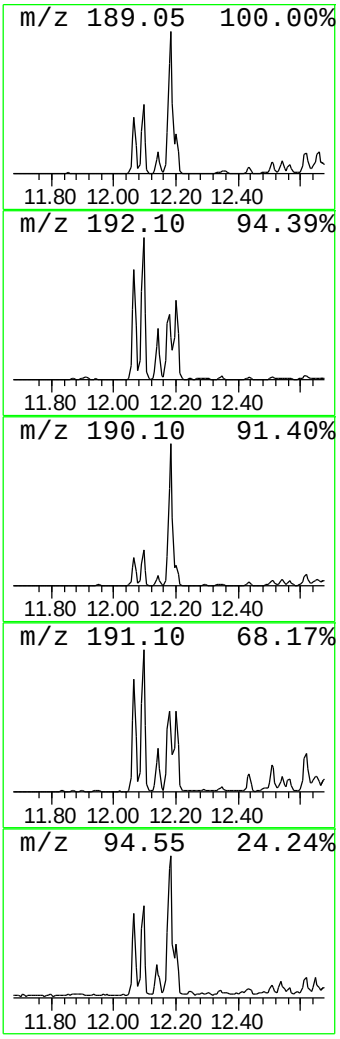
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	24.45 ng	1542700	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
3	Methyl diselenide	190	C2H6Se2	007101-31-7	45
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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Sample : J4460-15 10X
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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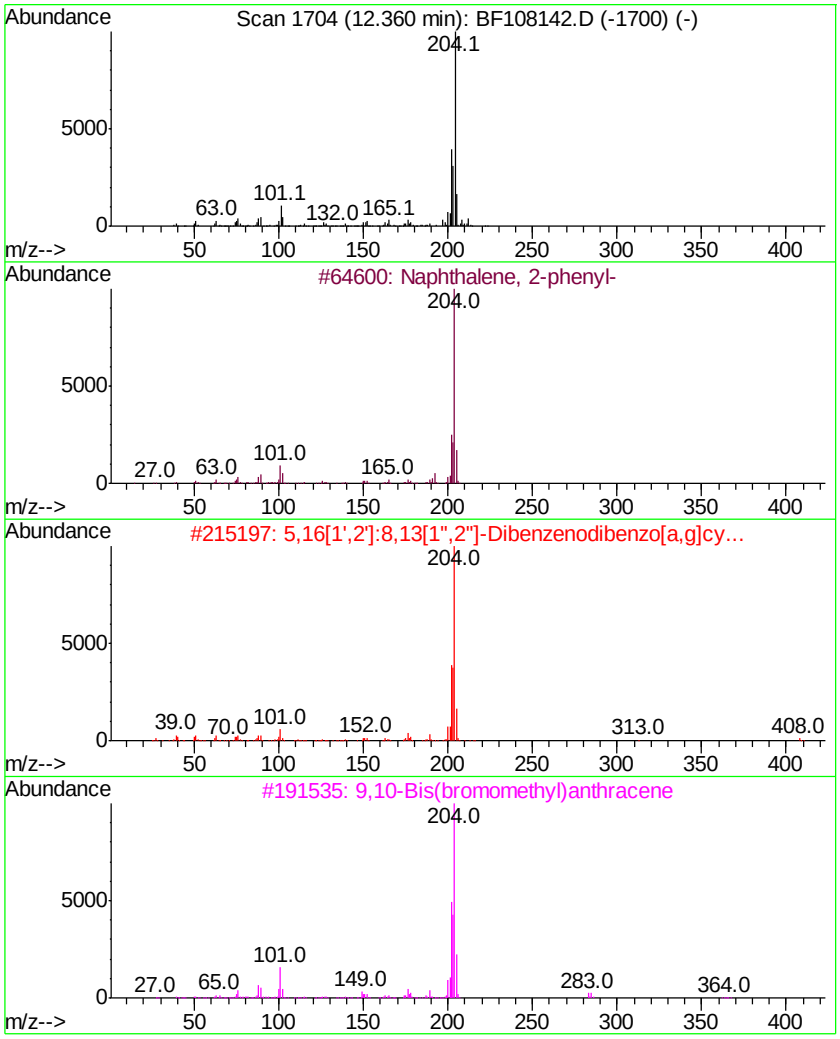
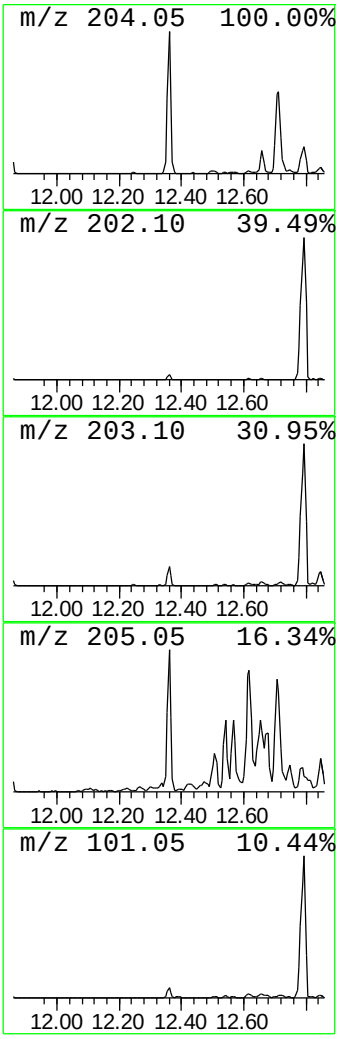
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	9.56 ng	603566	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
5	Levamisole	204	C11H12N2S	014769-73-4	49





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ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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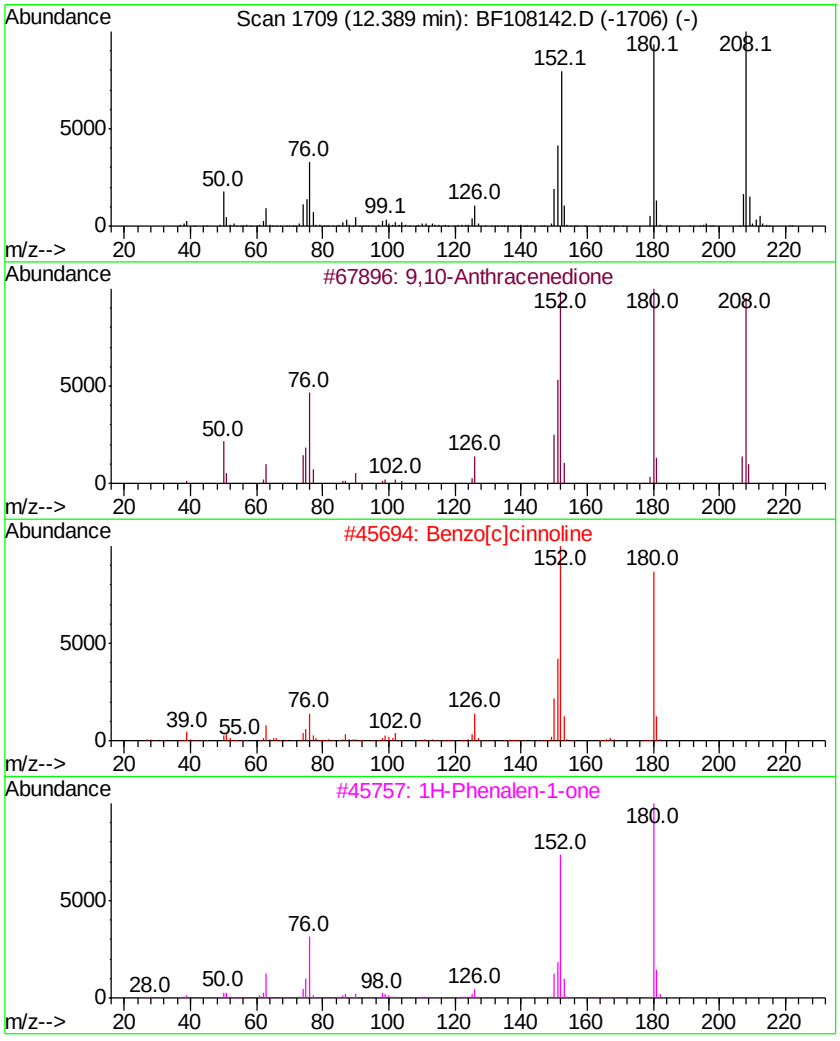
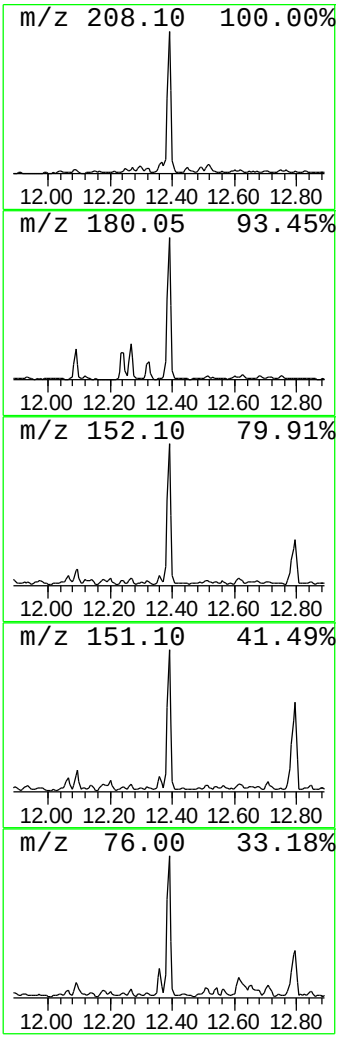
Peak Number 13 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	10.99 ng	693799	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
5	1,3-Benzenedicarboxaldehyde, 2,4...	180	C9H8O4	010209-57-1	47





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Misc :
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Instrument : BNA_F
ClientSampleId : RA-081018-ESW-015

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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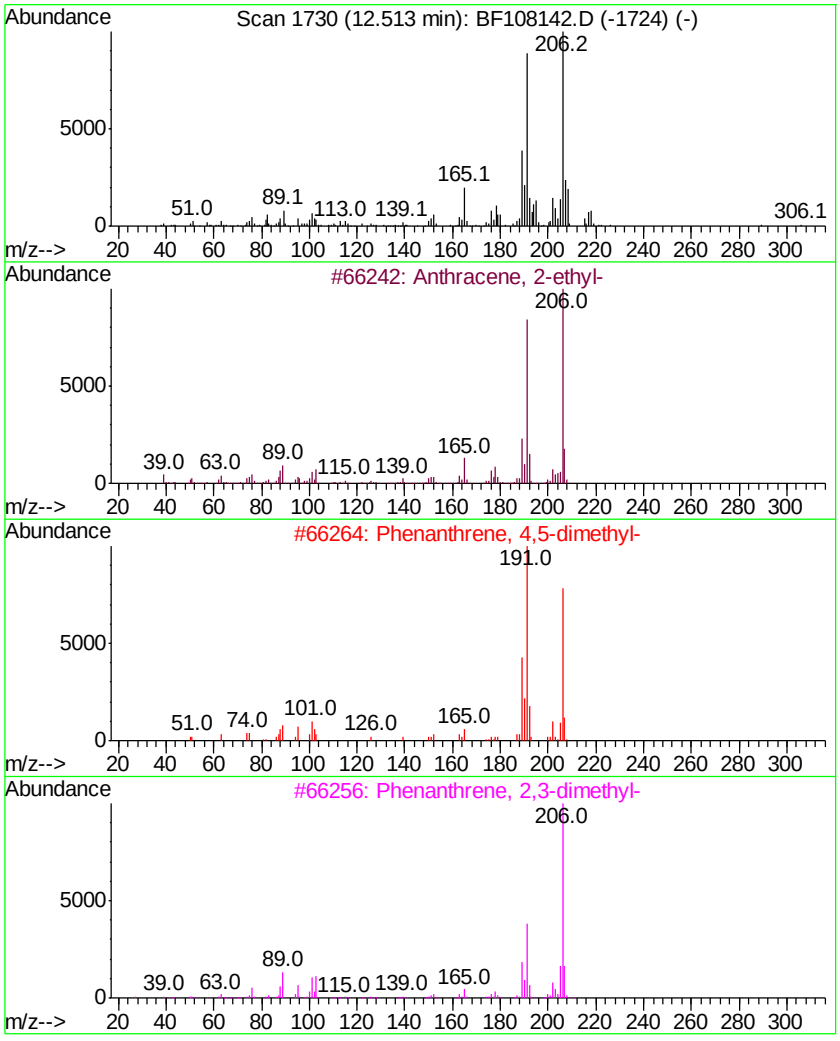
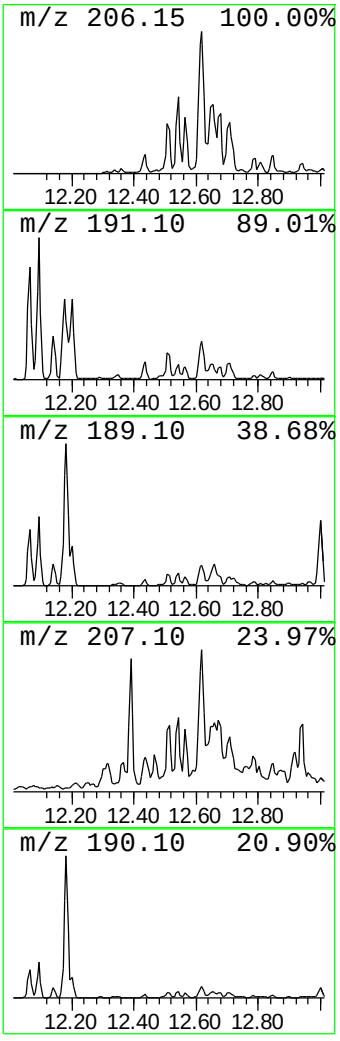
Peak Number 14 Anthracene, 2-ethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	4.93 ng	310868	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	96
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	89





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ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081018-ESW-015

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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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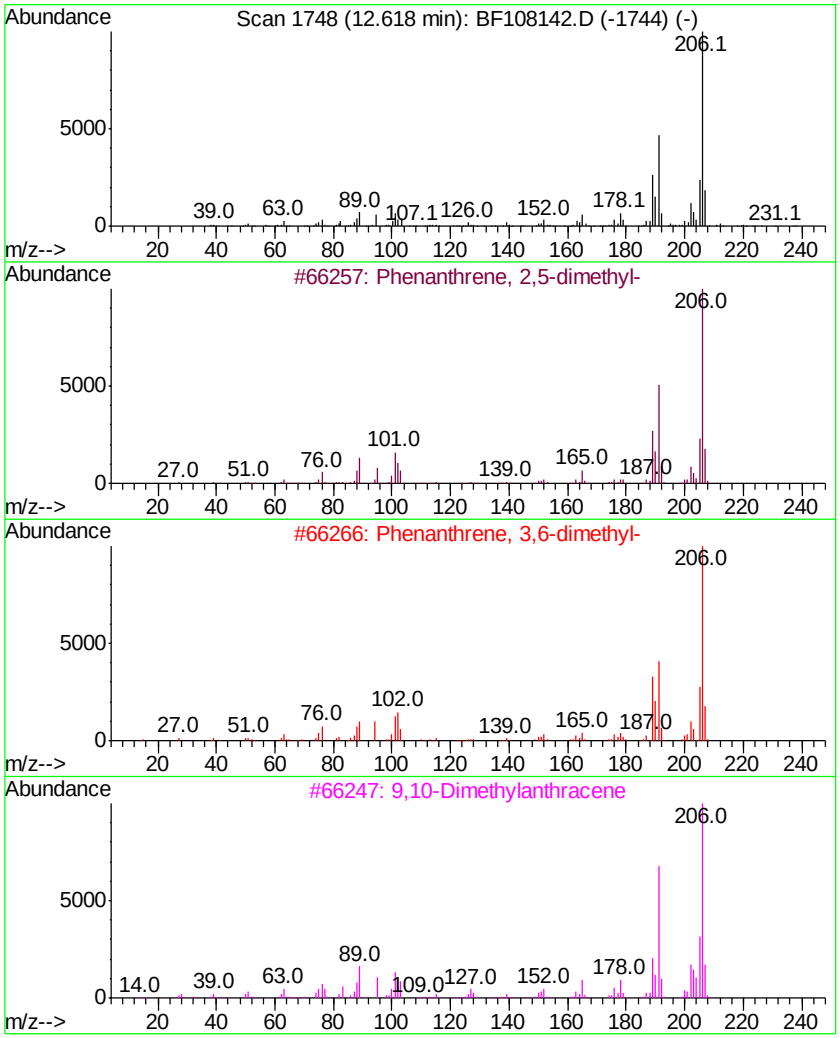
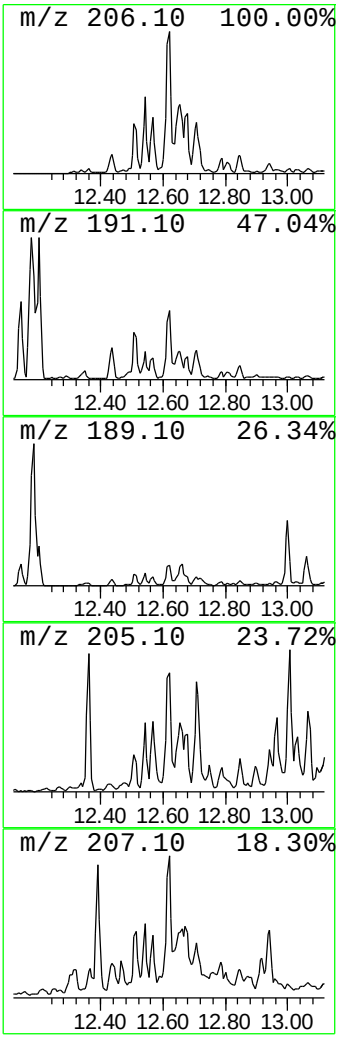
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	10.53 ng	664565	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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Misc :
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Instrument : BNA_F
ClientSampleId : RA-081018-ESW-015

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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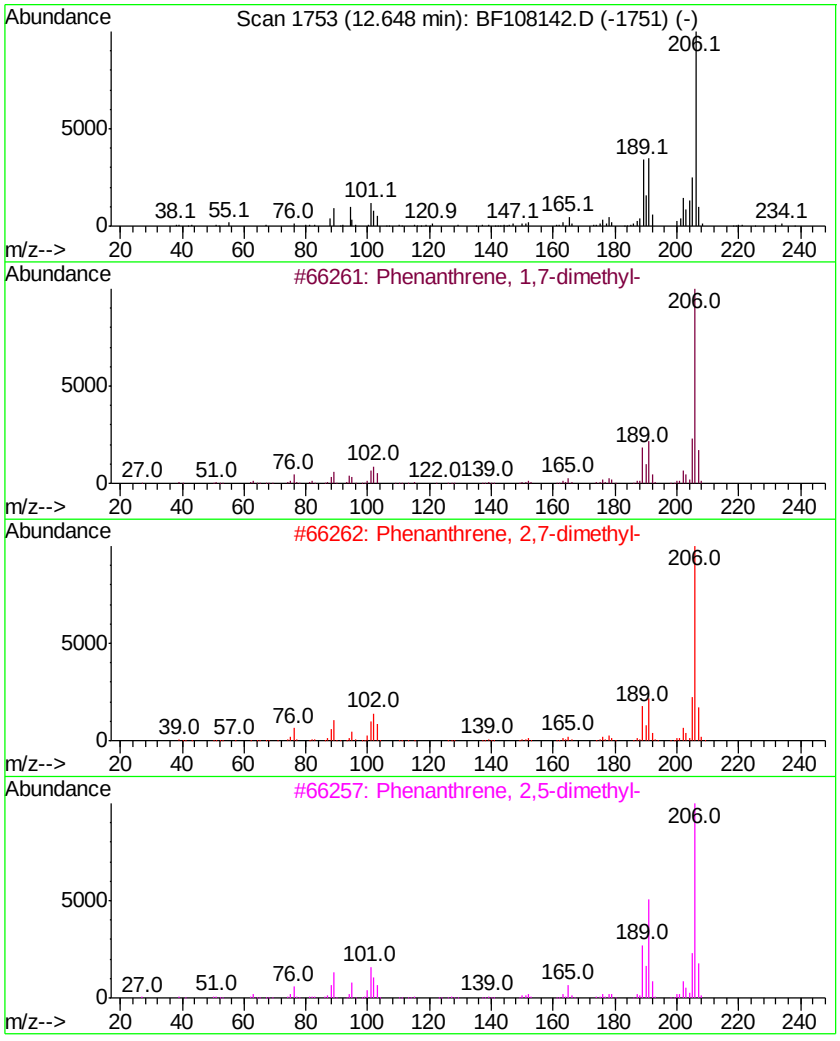
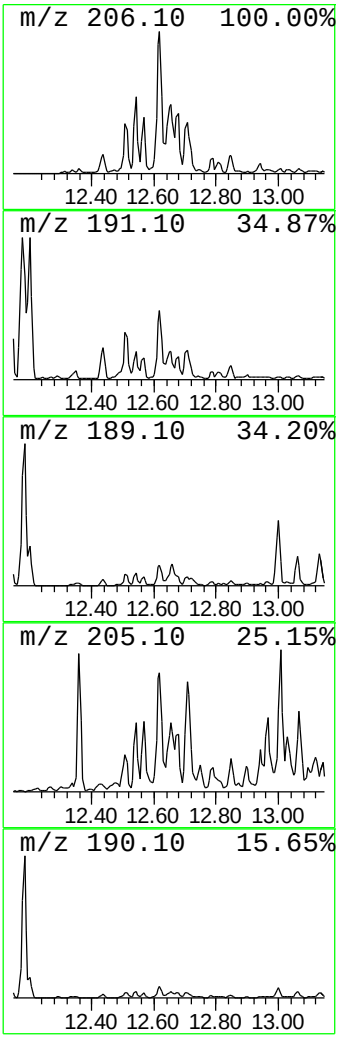
Peak Number 16 unknown12.65 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	5.36 ng	338308	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	43
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	43
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	38
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	38
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	35





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ClientSampleId : RA-081018-ESW-015

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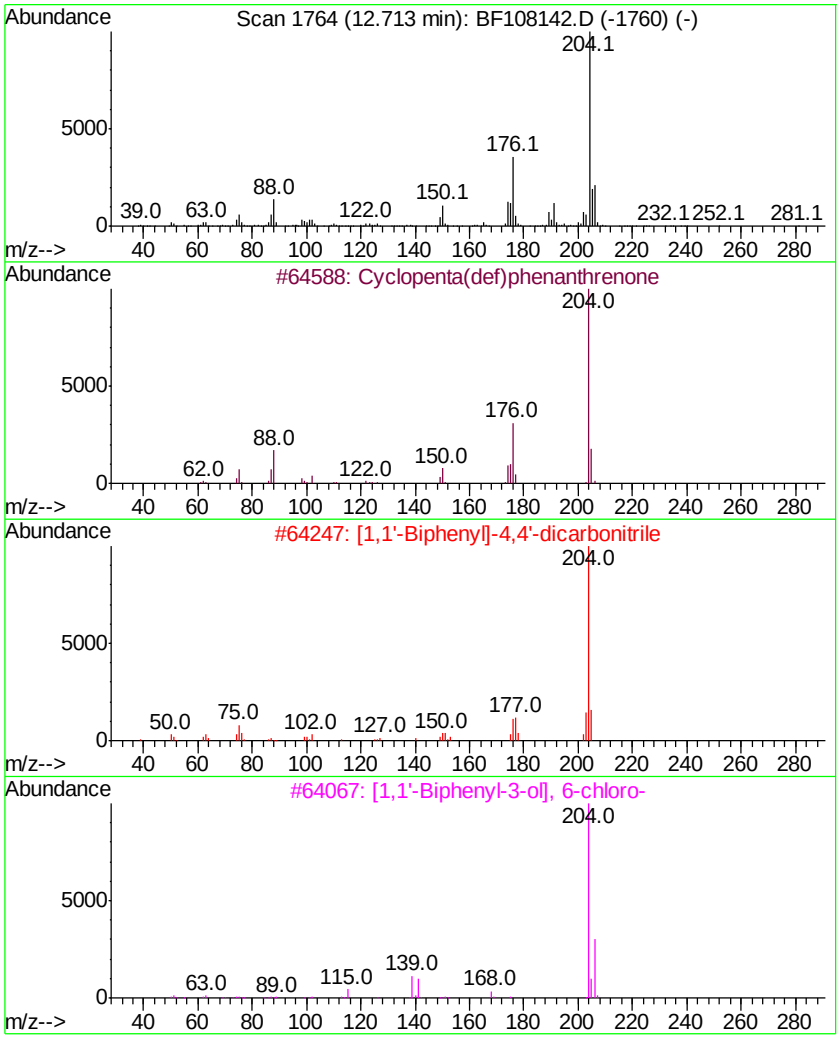
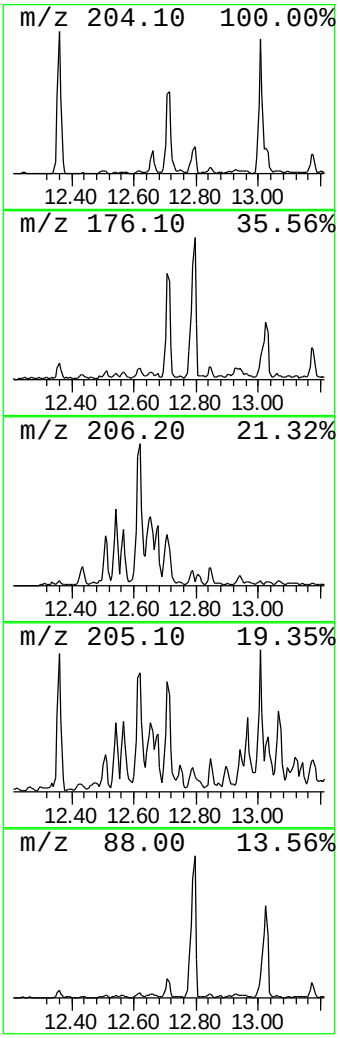
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	9.58 ng	604476	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
3	[1,1'-Biphenyl-3-ol], 6-chloro-	204	C12H9ClO	021345-13-1	43
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	43





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TIC Integration Parameters: LSCINT.P

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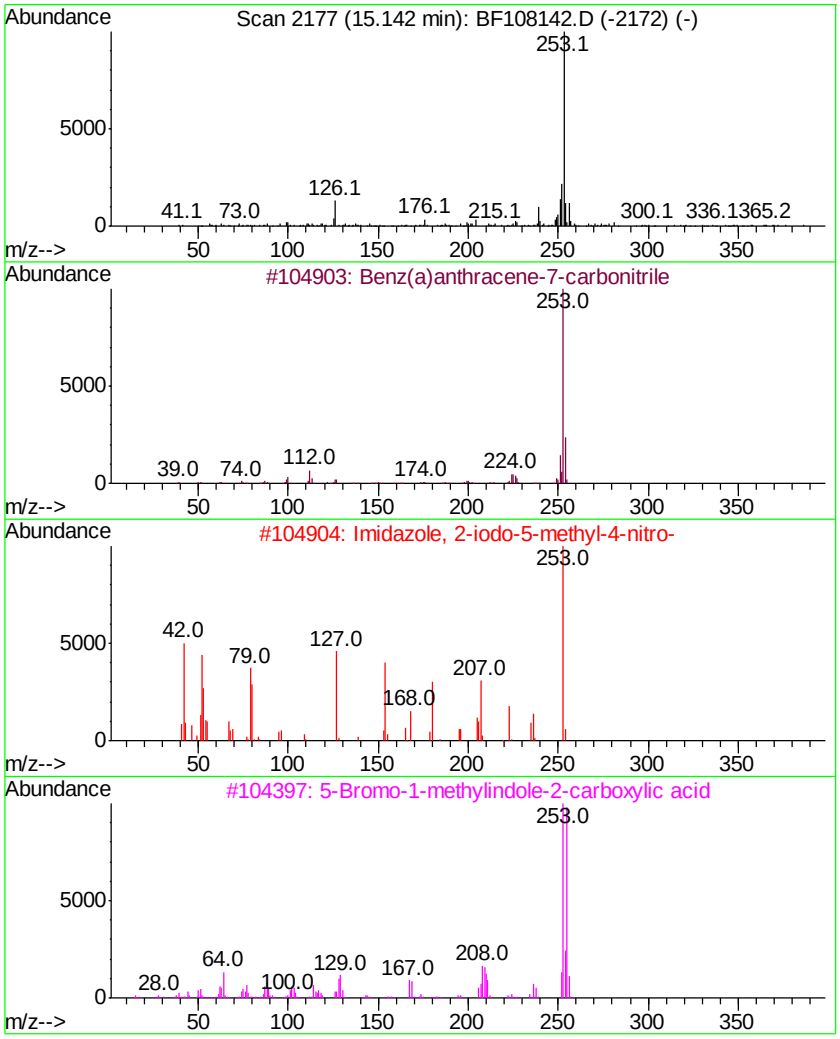
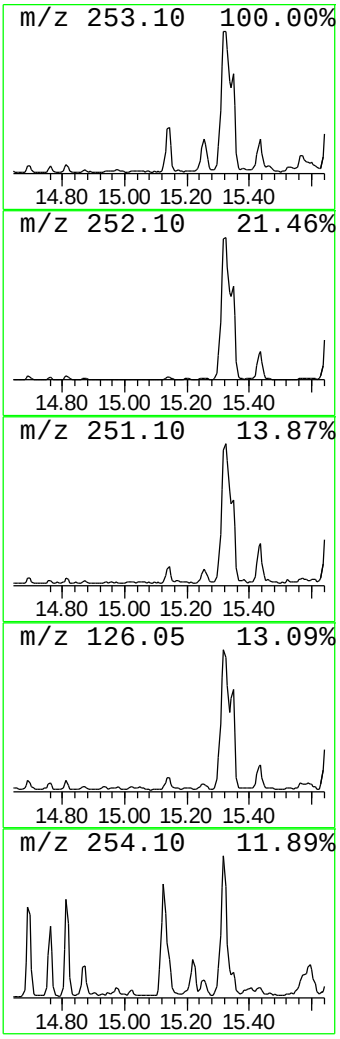
Peak Number 18 Benz(a)anthracene-7-carboni... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	8.73 ng	388398	Perylene-d12	15.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	76
2	Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	49
3	5-Bromo-1-methylindole-2-carboxy...	253	C10H8BrNO2	090766-47-5	42
4	1,2-Dihydropyrido(3,2,1-kl)pheno...	253	C15H11NOS	069513-42-4	40
5	1,3-Diphenyl-4H-1,2,4-triazoline...	253	C14H11N3S	005055-73-2	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081418\
Data File : BF108142.D
Acq On : 14 Aug 2018 14:06
Operator : JU/SJ
Sample : J4460-15 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081018-ESW-015

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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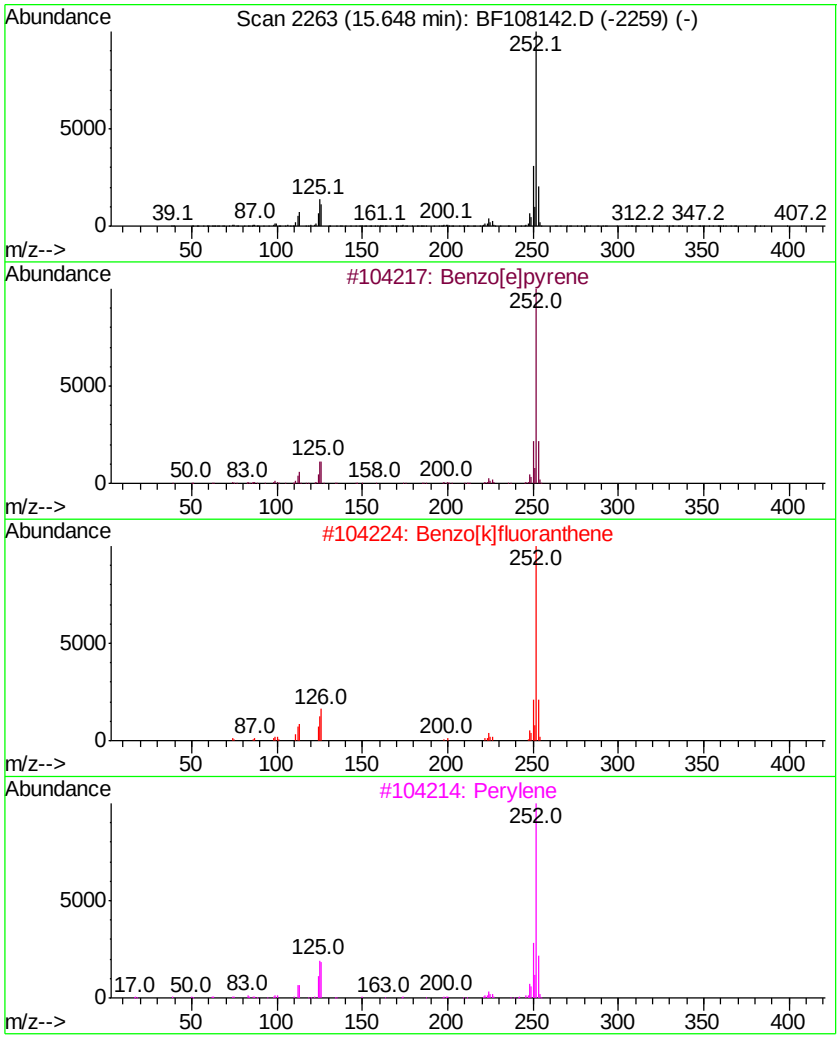
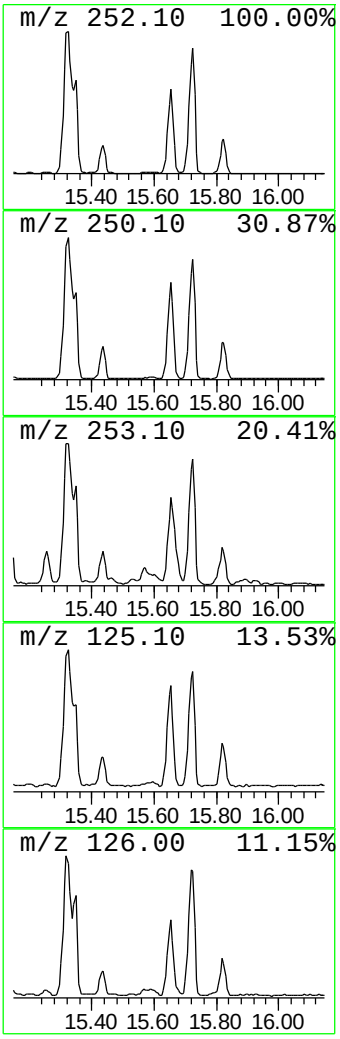
Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	34.58 ng	1538500	Perylene-d12	15.79

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	Benzo[a]pyrene	252	C20H12	000050-32-8	96
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081418\
Data File : BF108142.D
Acq On : 14 Aug 2018 14:06
Operator : JU/SJ
Sample : J4460-15 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081018-ESW-015

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	5.9	ng	333205	1	7.02	1136820	20.0
9H-Fluoren-9-one	11.37	8.6	ng	543804	4	11.57	1262060	20.0
Benzo[b]benzofura...	11.40	4.2	ng	261635	4	11.57	1262060	20.0
Dibenzothiophene	11.46	7.6	ng	480817	4	11.57	1262060	20.0
Dibenzothiophene,...	11.90	5.1	ng	320900	4	11.57	1262060	20.0
Anthracene, 2-met...	12.07	15.2	ng	960302	4	11.57	1262060	20.0
Phenanthrene, 2-m...	12.10	19.6	ng	1240170	4	11.57	1262060	20.0
1H-Cyclopropa[l]p...	12.14	6.3	ng	398404	4	11.57	1262060	20.0
4H-Cyclopenta[def...	12.18	24.4	ng	1542700	4	11.57	1262060	20.0
Naphthalene, 2-ph...	12.36	9.6	ng	603566	4	11.57	1262060	20.0
9,10-Anthracenedione	12.39	11.0	ng	693799	4	11.57	1262060	20.0
Anthracene, 2-ethyl-	12.51	4.9	ng	310868	4	11.57	1262060	20.0
Phenanthrene, 2,5...	12.62	10.5	ng	664565	4	11.57	1262060	20.0
unknown12.65	12.65	5.4	ng	338308	4	11.57	1262060	20.0
Cyclopenta(def)ph...	12.71	9.6	ng	604476	4	11.57	1262060	20.0
Benz(a)anthracene...	15.14	8.7	ng	388398	6	15.79	889908	20.0
Benzo[e]pyrene	15.65	34.6	ng	1538500	6	15.79	889908	20.0