LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091317\
Data File : BF098491.D
Acq On : 13 Sep 2017 15:45
Operator : SJ/JU
Sample : I5208-04 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-091117-B

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:\HPCHEM1\BNA_F\METHODS\8270-BF091117.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	5.257	535	539	554	rBV	2498561	2439907	31.35%	2.081%
2	6.298	713	716	734	rBV	2386216	2483536	31.91%	2.118%
3	6.422	734	737	741	rVV	2663703	2433104	31.26%	2.075%
4	6.651	773	776	780	rBV	1259499	1095042	14.07%	0.934%
5	6.810	799	803	806	rBV	2121670	1835993	23.59%	1.566%
6	7.222	869	873	879	rBV	1695002	1416145	18.20%	1.208%
7	7.939	991	995	997	rBV	1603786	1528580	19.64%	1.303%
8	7.957	997	998	1002	rVB	714963	438879	5.64%	0.374%
9	8.651	1112	1116	1119	rBV	1251651	1059683	13.62%	0.904%
10	8.745	1127	1132	1139	rVB	1164370	989380	12.71%	0.844%
11	9.010	1172	1177	1181	rBV	2914207	2514154	32.30%	2.144%
12	9.274	1217	1222	1226	rBV2	622553	851009	10.93%	0.726%
13	9.345	1230	1234	1237	rVV	1000791	1035319	13.30%	0.883%
14	9.374	1237	1239	1243	rVV	749563	621381	7.98%	0.530%
15	9.410	1243	1245	1248	rVV2	532696	468209	6.02%	0.399%
16	9.463	1251	1254	1259	rVB	508394	562857	7.23%	0.480%
17	9.545	1263	1268	1272	rBV	1364830	1274427	16.37%	1.087%
18	9.686	1286	1292	1295	rVV3	1621813	1540419	19.79%	1.314%
19	9.716	1295	1297	1301	rVV	727130	678068	8.71%	0.578%
20	9.792	1307	1310	1314	rVV2	208383	260801	3.35%	0.222%
21	9.892	1323	1327	1330	rVV	644136	677849	8.71%	0.578%
22	9.927	1330	1333	1337	rVV	412760	376237	4.83%	0.321%
23	10.004	1341	1346	1348	rBV2	420905	485524	6.24%	0.414%
24	10.033	1348	1351	1357	rVB	268841	292055	3.75%	0.249%
25	10.092	1357	1361	1363	rBV2	260420	397620	5.11%	0.339%
26	10.186	1372	1377	1378	rVV3	180207	250761	3.22%	0.214%
27	10.233	1382	1385	1391	rVV	1358057	1394694	17.92%	1.189%
28	10.298	1391	1396	1398	rVV2	243404	360073	4.63%	0.307%
29	10.339	1401	1403	1408	rVV4	272731	389653	5.01%	0.332%
30	10.386	1408	1411	1415	rVV	348433	460770	5.92%	0.393%
31	10.474	1420	1426	1430	rVV2	1540405	1518340	19.51%	1.295%
32	10.598	1443	1447	1452	rVB2	316447	357252	4.59%	0.305%
33	10.780	1473	1478	1480	rVV2	572792	756394	9.72%	0.645%
34	10.804	1480	1482	1485	rVV	398881	419304	5.39%	0.358%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091317\
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Acq On : 13 Sep 2017 15:45
Operator : SJ/JU
Sample : I5208-04 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-091117-B

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:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.863	1489	1492	1495	rVV	371335	383179	4.92%	0.327%
36	10.927	1501	1503	1505	rVV2	305905	307711	3.95%	0.262%
37	10.974	1509	1511	1516	rVV2	295447	360976	4.64%	0.308%
38	11.021	1516	1519	1521	rVV	211535	263532	3.39%	0.225%
39	11.063	1523	1526	1532	rVB	613230	593796	7.63%	0.506%
40	11.168	1540	1544	1546	rBV	1221038	1270527	16.32%	1.083%
41	11.198	1546	1549	1552	rVV	5209957	4920998	63.23%	4.196%
42	11.245	1554	1557	1560	rVB	1957110	1518885	19.52%	1.295%
43	11.280	1560	1563	1566	rBV2	283835	328680	4.22%	0.280%
44	11.404	1580	1584	1589	rBV2	327365	451559	5.80%	0.385%
45	11.498	1596	1600	1605	rVB3	446882	472234	6.07%	0.403%
46	11.580	1611	1614	1617	rVB	327960	357590	4.59%	0.305%
47	11.668	1626	1629	1632	rVV	1497408	1383178	17.77%	1.179%
48	11.698	1632	1634	1638	rVB	1887623	1469588	18.88%	1.253%
49	11.745	1639	1642	1645	rBV	741113	651790	8.37%	0.556%
50	11.780	1645	1648	1650	rVV	2258081	2227625	28.62%	1.900%
51	11.804	1650	1652	1658	rVB	1373152	1082120	13.90%	0.923%
52	11.963	1673	1679	1682	rBV	822116	870978	11.19%	0.743%
53	11.998	1682	1685	1689	rVB	612075	564618	7.25%	0.481%
54	12.145	1707	1710	1712	rBV	415079	321493	4.13%	0.274%
55	12.168	1712	1714	1717	rVB2	348459	285891	3.67%	0.244%
56	12.221	1719	1723	1725	rBV	1165388	1220869	15.69%	1.041%
57	12.257	1725	1729	1731	rVV	743545	832946	10.70%	0.710%
58	12.274	1731	1732	1735	rVB	387759	280774	3.61%	0.239%
59	12.315	1735	1739	1742	rBV3	677060	889251	11.43%	0.758%
60	12.392	1746	1752	1755	rBV	5768735	6774473	87.04%	5.777%
61	12.474	1764	1766	1769	rVB	533193	450456	5.79%	0.384%
62	12.527	1770	1775	1777	rBV3	541650	610758	7.85%	0.521%
63	12.621	1784	1791	1795	rBV2	5566687	7782864	100.00%	6.637%
64	12.662	1795	1798	1802	rVB2	396077	528885	6.80%	0.451%
65	12.727	1805	1809	1810	rVV2	448166	413649	5.31%	0.353%
66	12.751	1810	1813	1820	rVB2	2095275	2398095	30.81%	2.045%
67	12.827	1821	1826	1830	rBV3	877501	1344093	17.27%	1.146%
68	12.915	1837	1841	1842	rVV2	684457	769006	9.88%	0.656%
69	12.939	1842	1845	1848	rVB	1834681	1726725	22.19%	1.472%
70	13.004	1848	1856	1859	rBV	1470906	1682058	21.61%	1.434%
71	13.039	1859	1862	1870	rVB2	1153388	1400640	18.00%	1.194%

LSC Area Percent Report

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Acq On : 13 Sep 2017 15:45
Operator : SJ/JU
Sample : I5208-04 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-091117-B

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:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.133	1875	1878	1880	rVB	913069	703187	9.04%	0.600%
73	13.162	1880	1883	1886	rBV	924631	814852	10.47%	0.695%
74	13.421	1924	1927	1929	rBV	323253	403403	5.18%	0.344%
75	13.451	1929	1932	1935	rVV	722361	743155	9.55%	0.634%
76	13.557	1945	1950	1952	rBV	897065	1094660	14.07%	0.933%
77	13.580	1952	1954	1956	rVV	765081	632934	8.13%	0.540%
78	13.604	1956	1958	1960	rVV	569833	538255	6.92%	0.459%
79	13.657	1964	1967	1970	rVB	754861	701406	9.01%	0.598%
80	13.804	1985	1992	1995	rBV2	3631809	5870028	75.42%	5.005%
81	13.839	1995	1998	2001	rVV	3490098	3569344	45.86%	3.044%
82	13.909	2008	2010	2013	rVB	555941	463282	5.95%	0.395%
83	13.957	2015	2018	2024	rBV3	474472	667798	8.58%	0.569%
84	14.127	2044	2047	2049	rBV3	254927	273505	3.51%	0.233%
85	14.156	2049	2052	2054	rVV	407627	393638	5.06%	0.336%
86	14.198	2056	2059	2061	rVV	1069300	1067062	13.71%	0.910%
87	14.227	2061	2064	2066	rVB	613384	496744	6.38%	0.424%
88	14.321	2077	2080	2081	rBV	636927	605791	7.78%	0.517%
89	14.339	2081	2083	2086	rVB	596085	484404	6.22%	0.413%
90	14.386	2089	2091	2094	rVB	361316	312750	4.02%	0.267%
91	14.574	2120	2123	2124	rBV2	252906	264923	3.40%	0.226%
92	14.674	2137	2140	2143	rBV	367765	403438	5.18%	0.344%
93	14.827	2160	2166	2168	rBV	2433913	3821424	49.10%	3.259%
94	14.921	2179	2182	2186	rVB	613631	611593	7.86%	0.522%
95	15.104	2209	2213	2218	rVB	1503842	1861922	23.92%	1.588%
96	15.162	2218	2223	2227	rBV	2168422	2863261	36.79%	2.442%
97	15.215	2228	2232	2234	rVV	715121	901731	11.59%	0.769%
98	15.245	2234	2237	2243	rVB2	671505	944168	12.13%	0.805%
99	16.562	2456	2461	2467	rVB	839038	1483122	19.06%	1.265%
100	16.968	2525	2530	2544	rVB	669286	1425319	18.31%	1.215%

Sum of corrected areas: 117273008

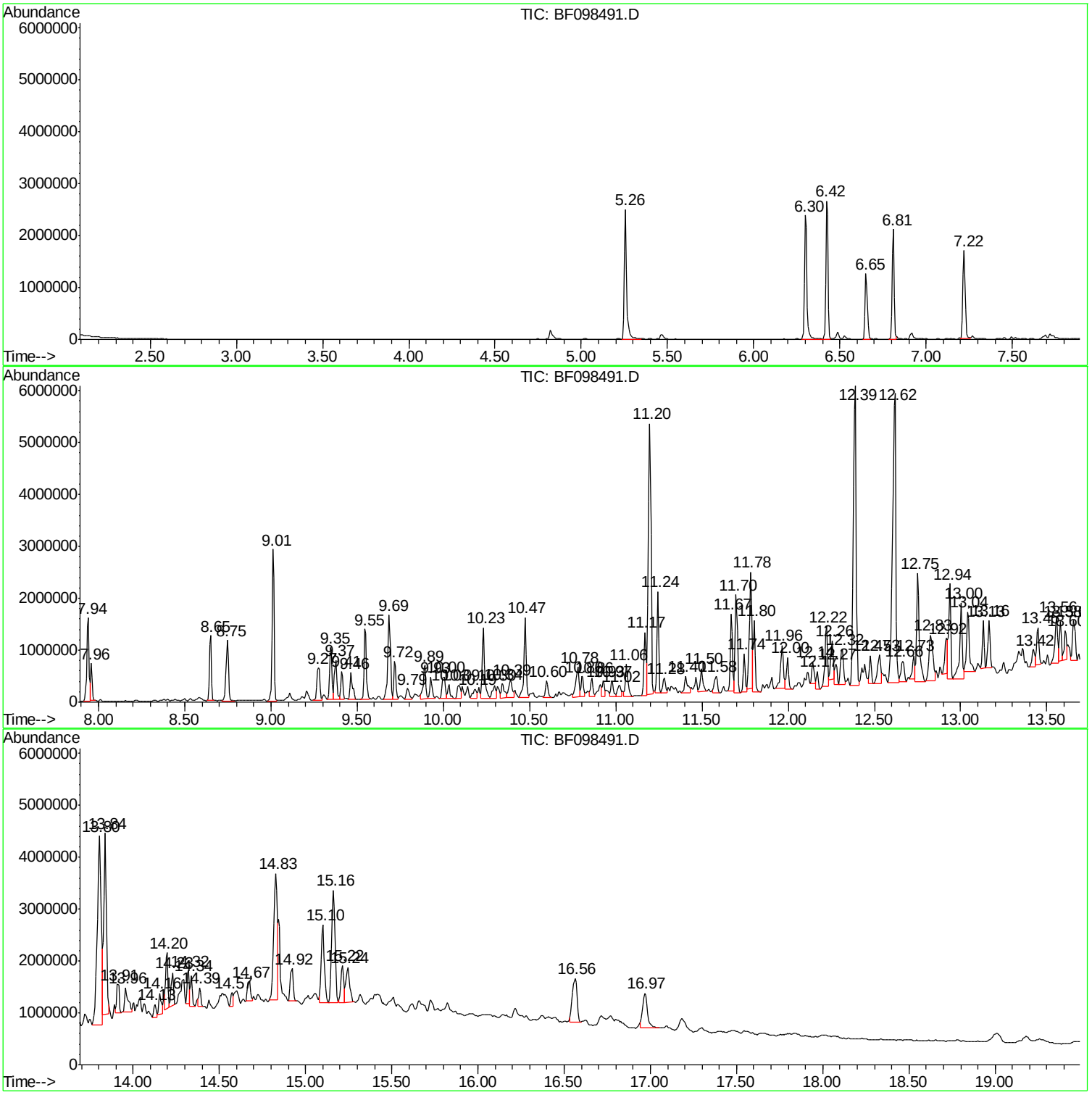
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091317\
Data File : BF098491.D
Acq On : 13 Sep 2017 15:45
Operator : SJ/JU
Sample : I5208-04 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-091117-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.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 : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091317\
Data File : BF098491.D
Acq On : 13 Sep 2017 15:45
Operator : SJ/JU
Sample : I5208-04 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-091117-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

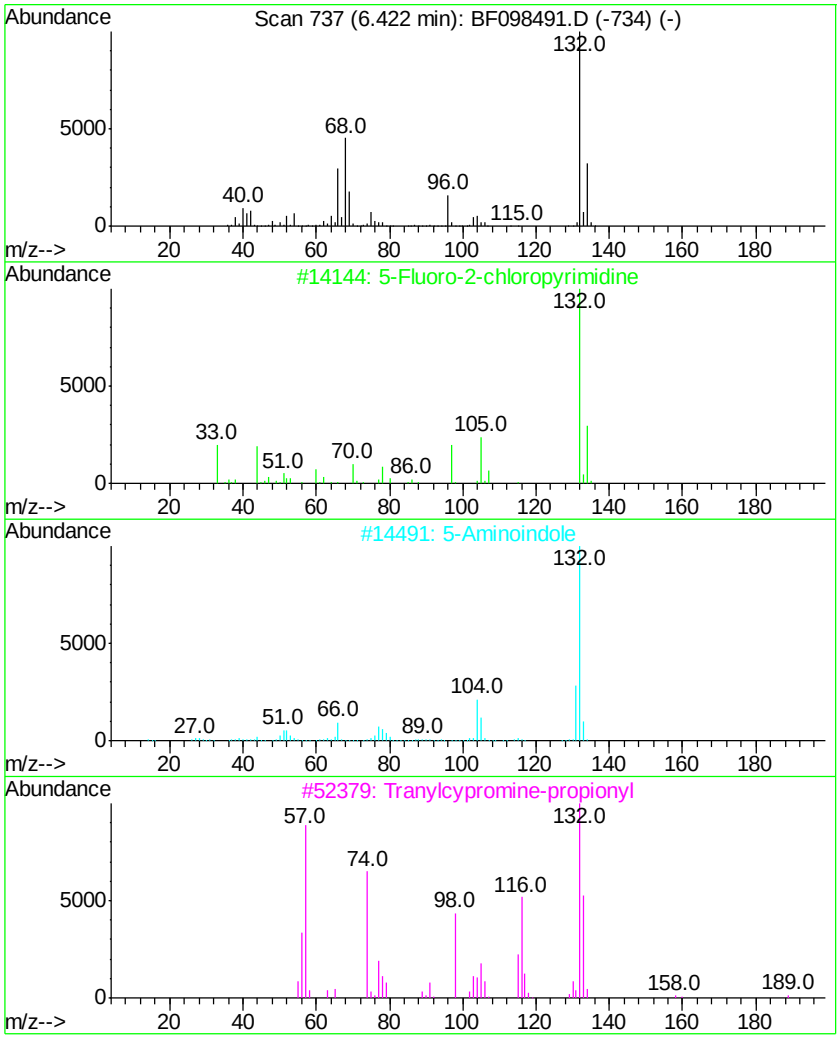
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

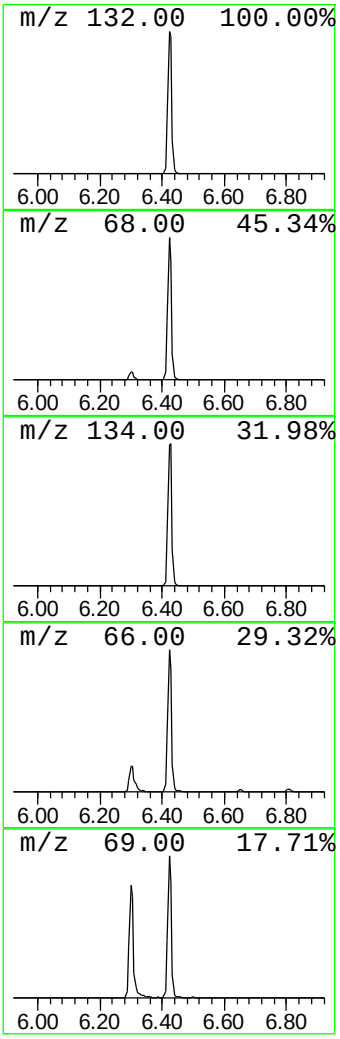
****

Peak Number 1 unknown6.42 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	44.44 ng	2433100	1,4-Dichlorobenzene-d4	6.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091317\
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Acq On : 13 Sep 2017 15:45
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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-091117-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

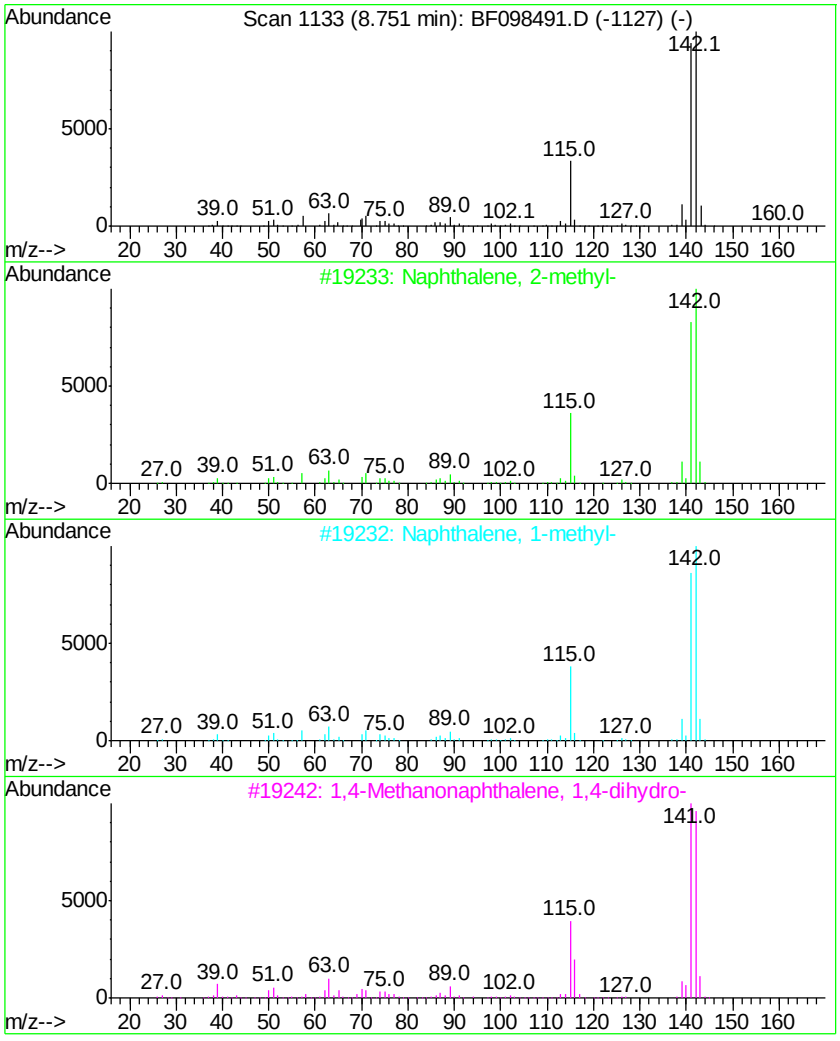
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

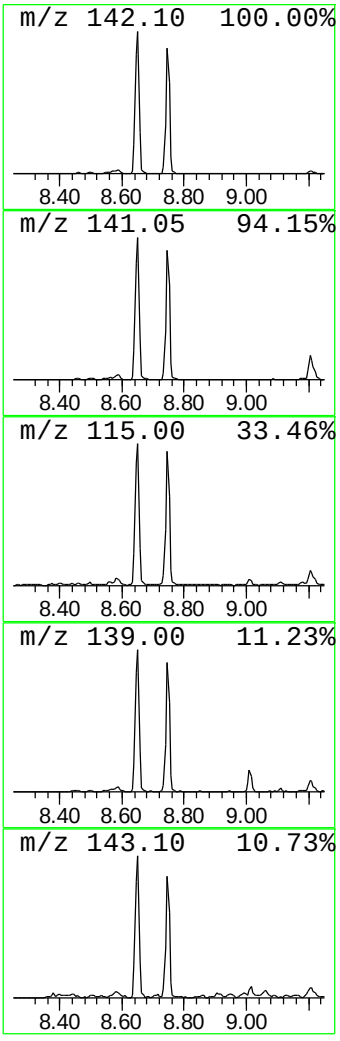
****

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.75	12.95 ng	989380	Naphthalene-d8	7.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091317\
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Acq On : 13 Sep 2017 15:45
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Sample : I5208-04 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-091117-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

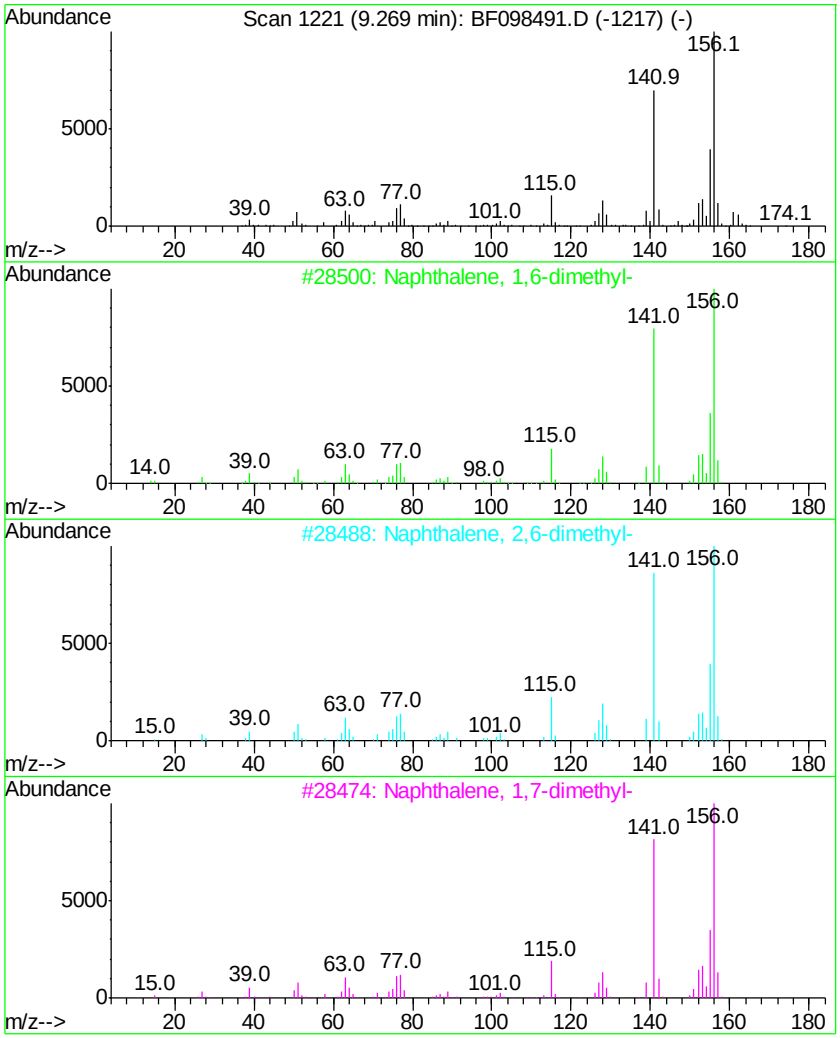
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

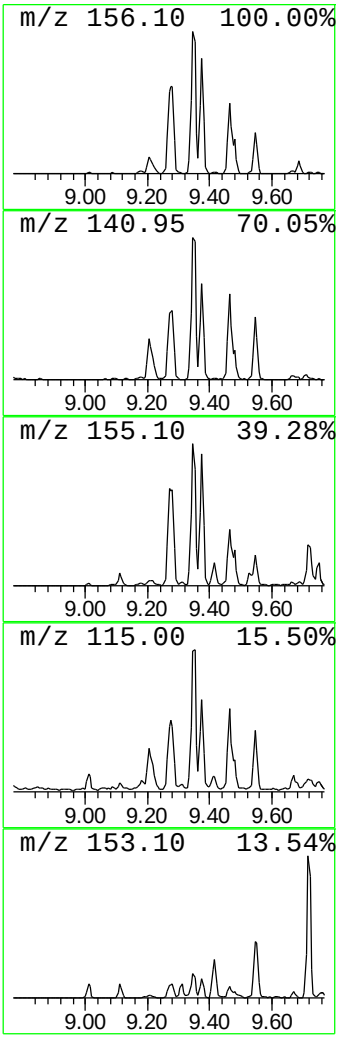
****

Peak Number 4 Naphthalene, 1,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.27	11.05 ng	851009	Acenaphthene-d10	9.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091317\
Data File : BF098491.D
Acq On : 13 Sep 2017 15:45
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Sample : I5208-04 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-091117-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

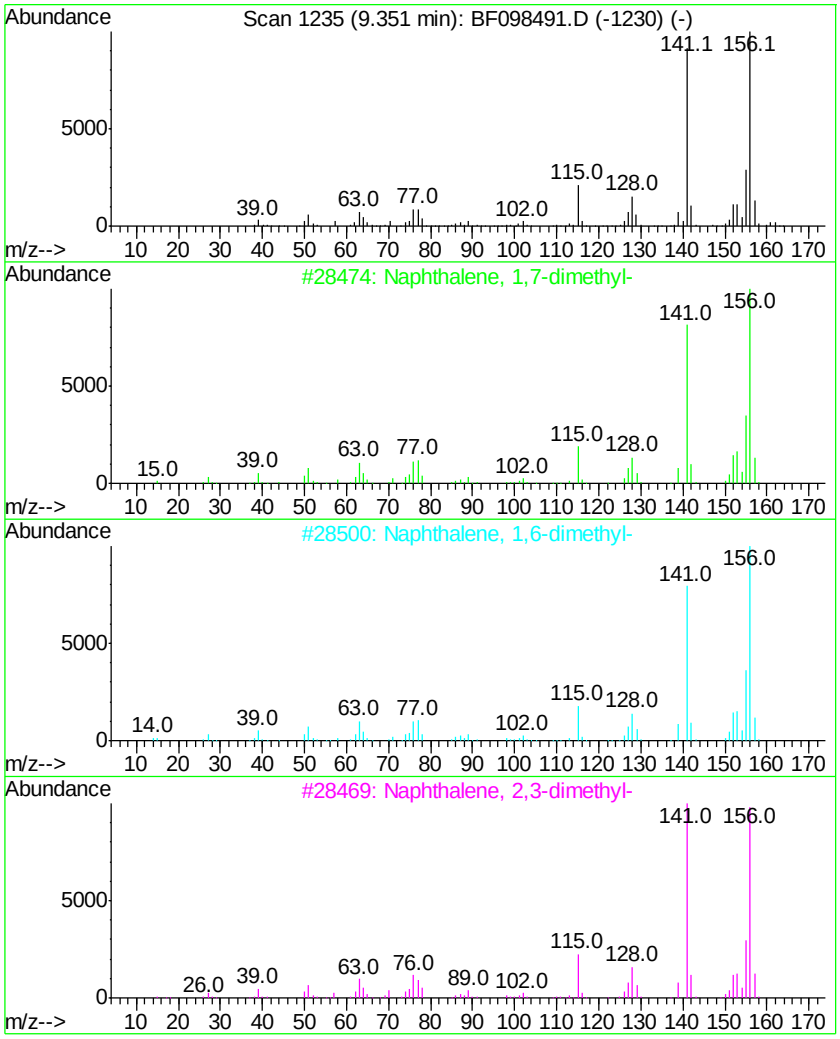
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

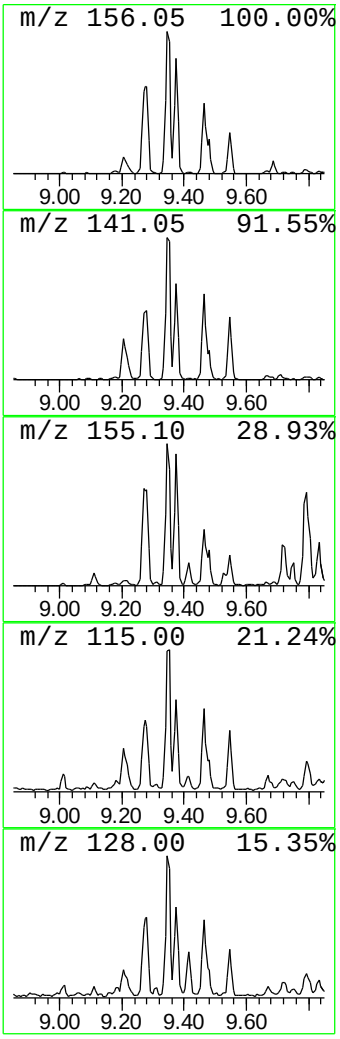
****

Peak Number 5 Naphthalene, 1,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.35	13.44 ng	1035320	Acenaphthene-d10	9.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091317\
Data File : BF098491.D
Acq On : 13 Sep 2017 15:45
Operator : SJ/JU
Sample : I5208-04 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-091117-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

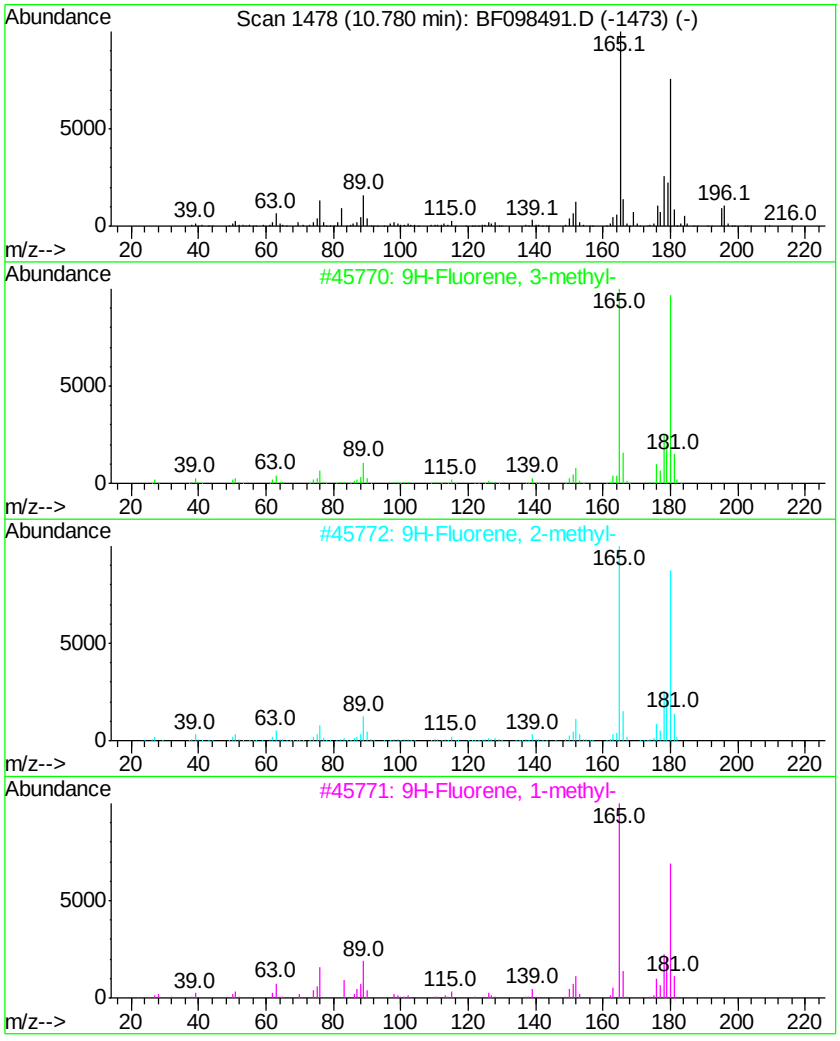
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

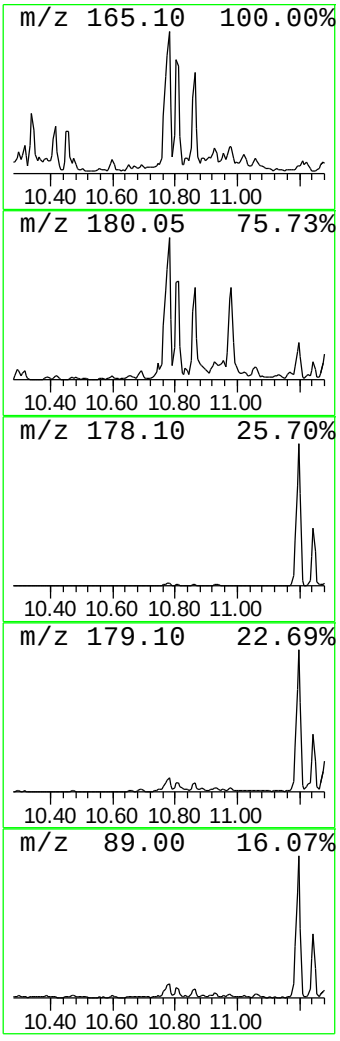
****

Peak Number 6 9H-Fluorene, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	11.91 ng	756394	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	76
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	68
5	(E)-Stilbene	180	C14H12	000103-30-0	62





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Operator : SJ/JU
Sample : I5208-04 2X
Misc :
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Instrument : BNA_F
ClientSampleId : CL-02-091117-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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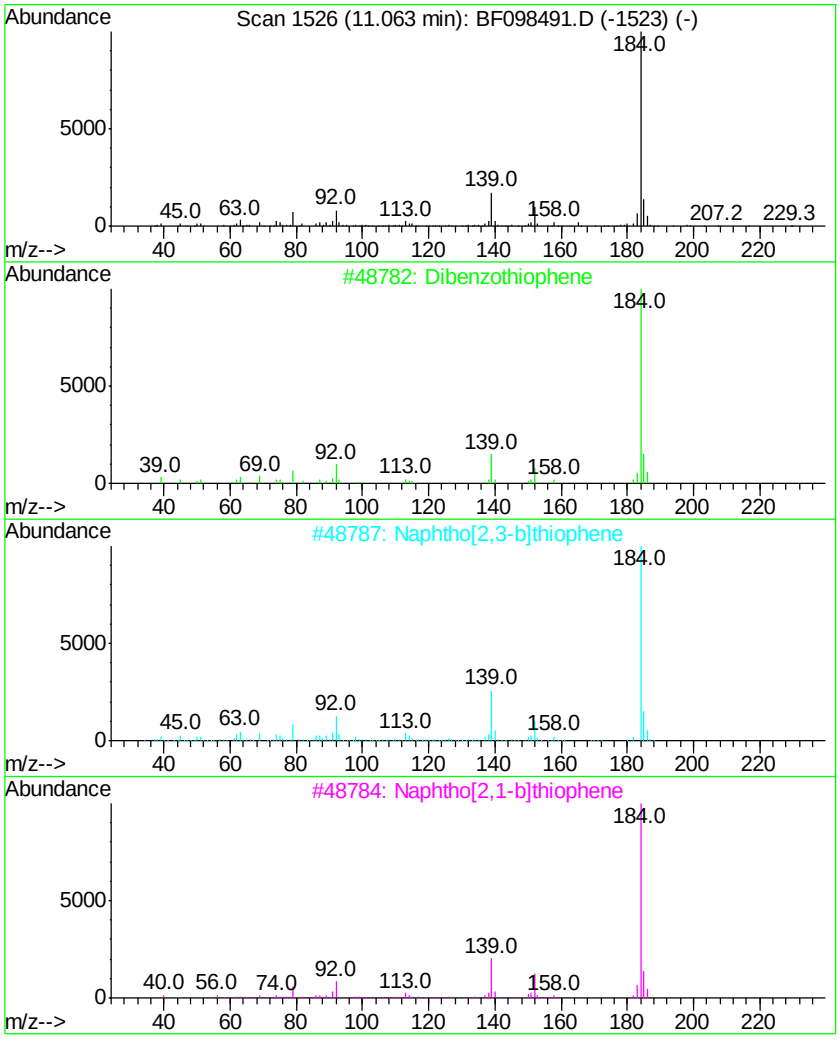
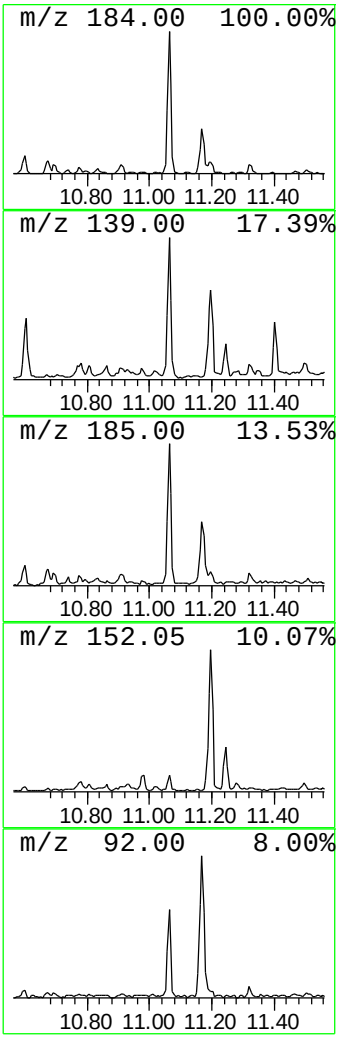
Peak Number 7 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.06	9.35 ng	593796	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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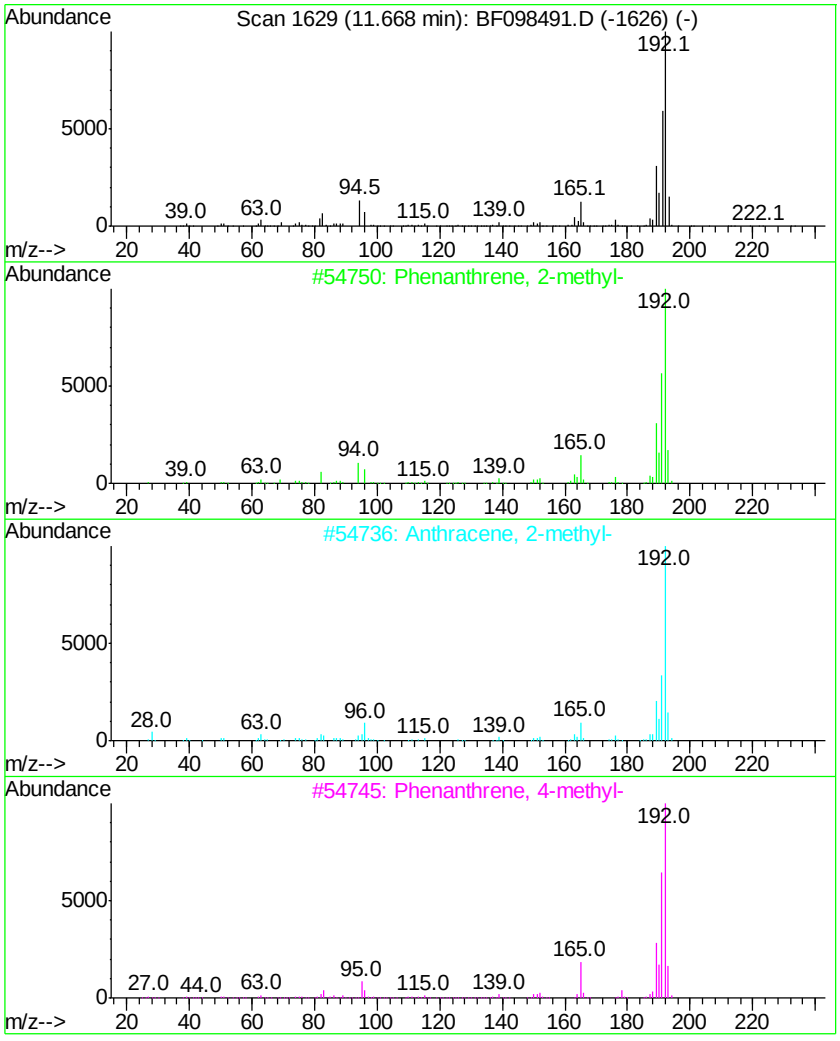
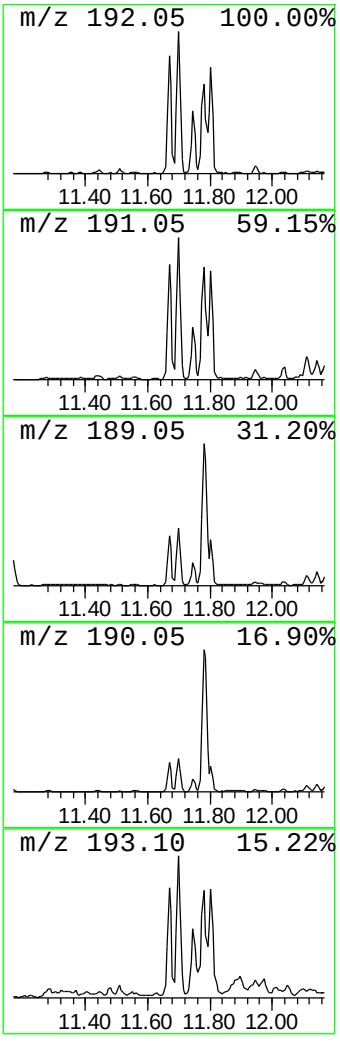
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	21.77 ng	1383180	Phenanthrene-d10	11.17

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	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





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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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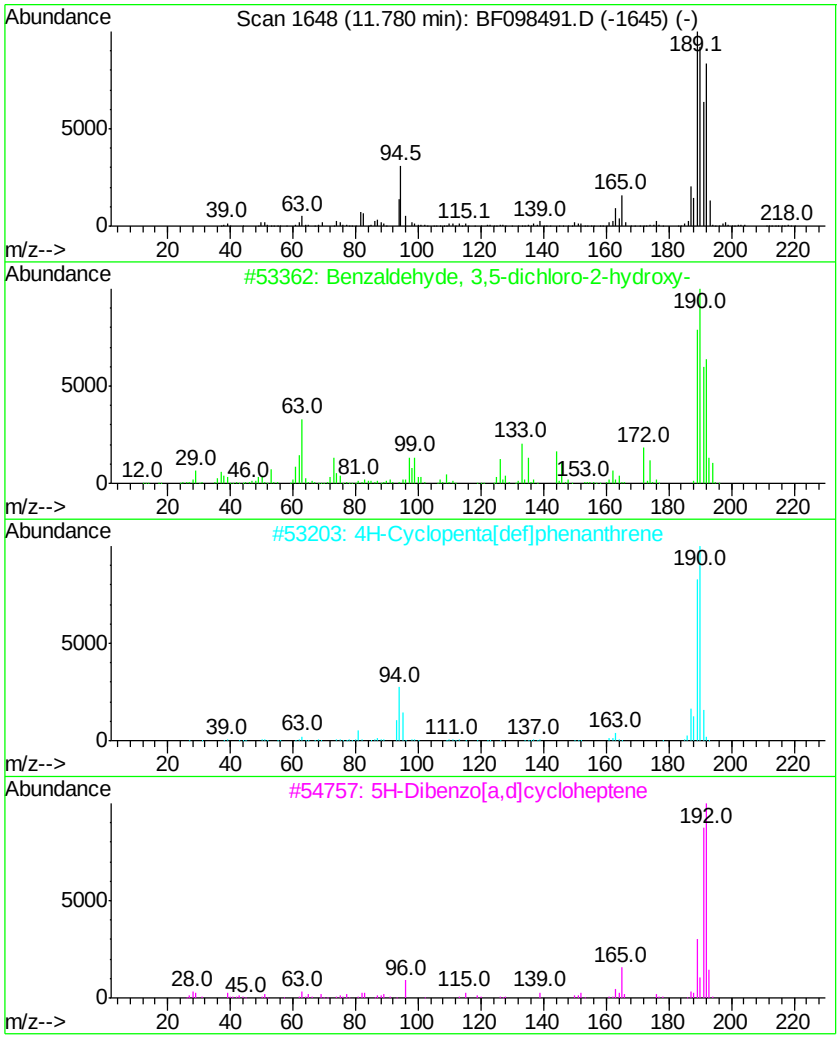
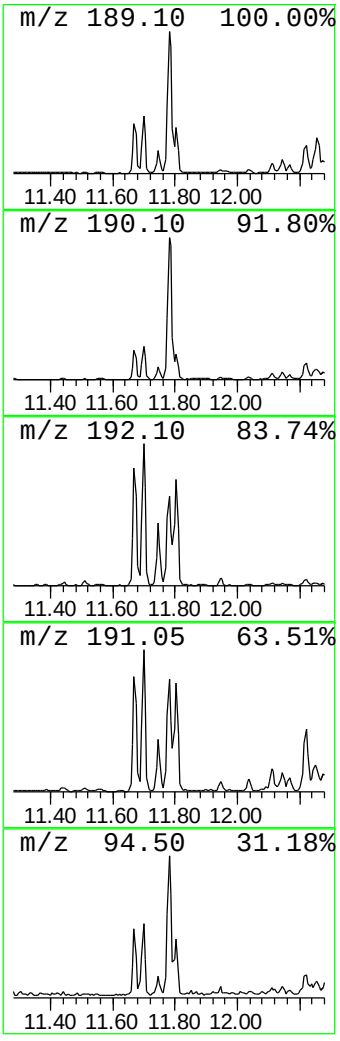
Peak Number 11 Benzaldehyde, 3,5-dichloro-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	35.07 ng	2227630	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	38





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-091117-B

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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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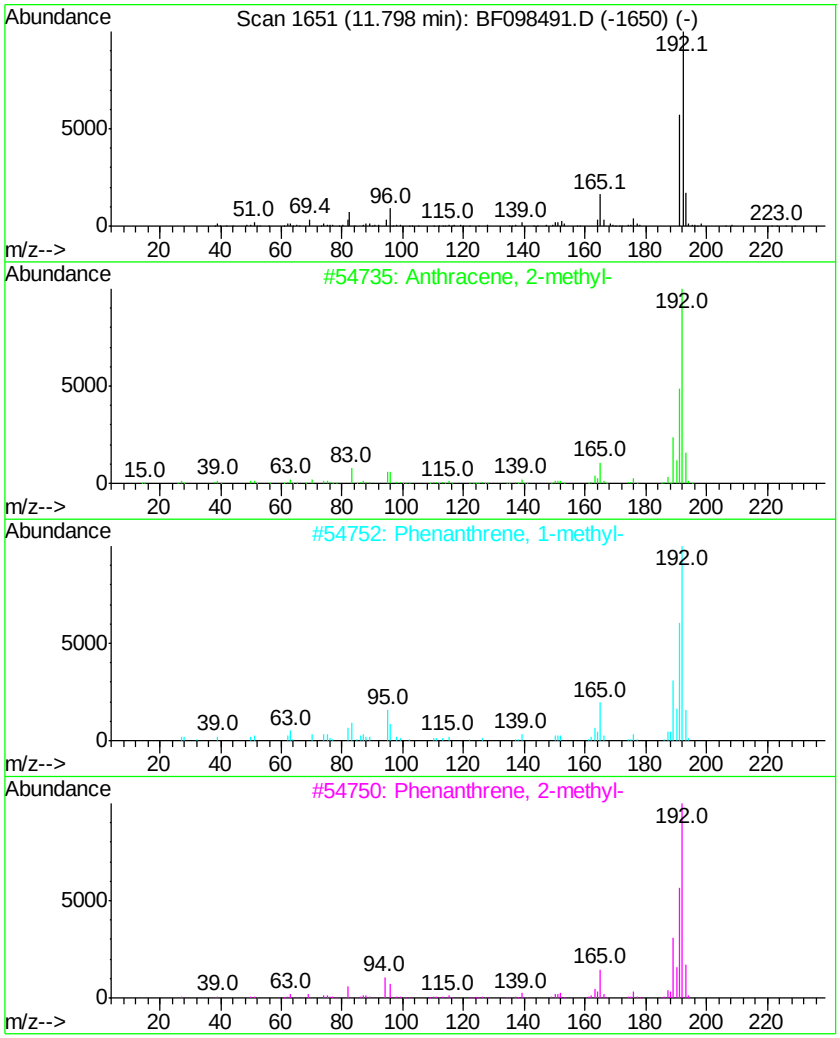
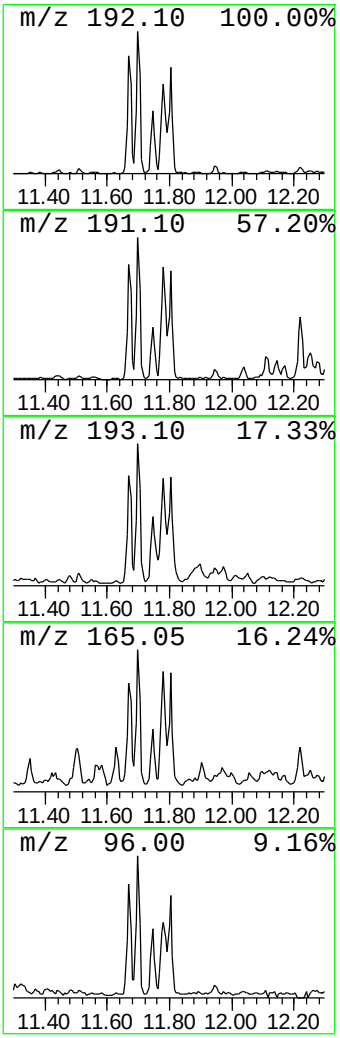
Peak Number 12 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	17.03 ng	1082120	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





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ALS Vial : 11 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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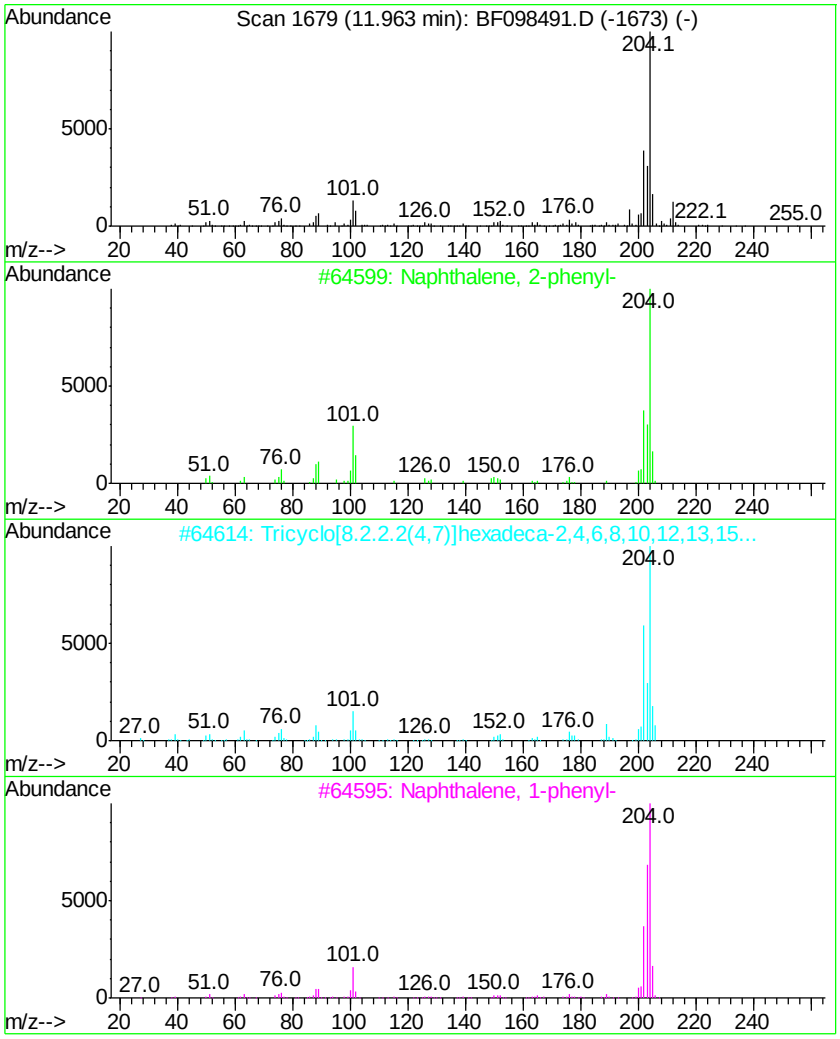
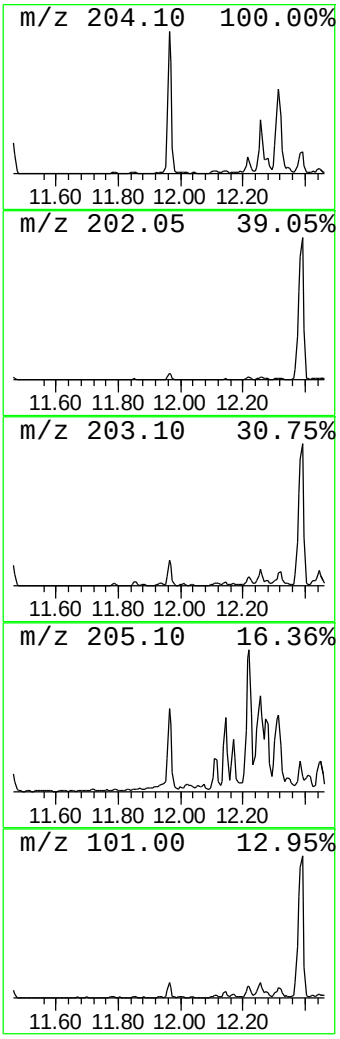
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	13.71 ng	870978	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	49
5	Pyrazol-5-ol, 3-(3,4-methylenedi...	204	C10H8N2O3	1000271-76-1	47





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Misc :
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ClientSampleId : CL-02-091117-B

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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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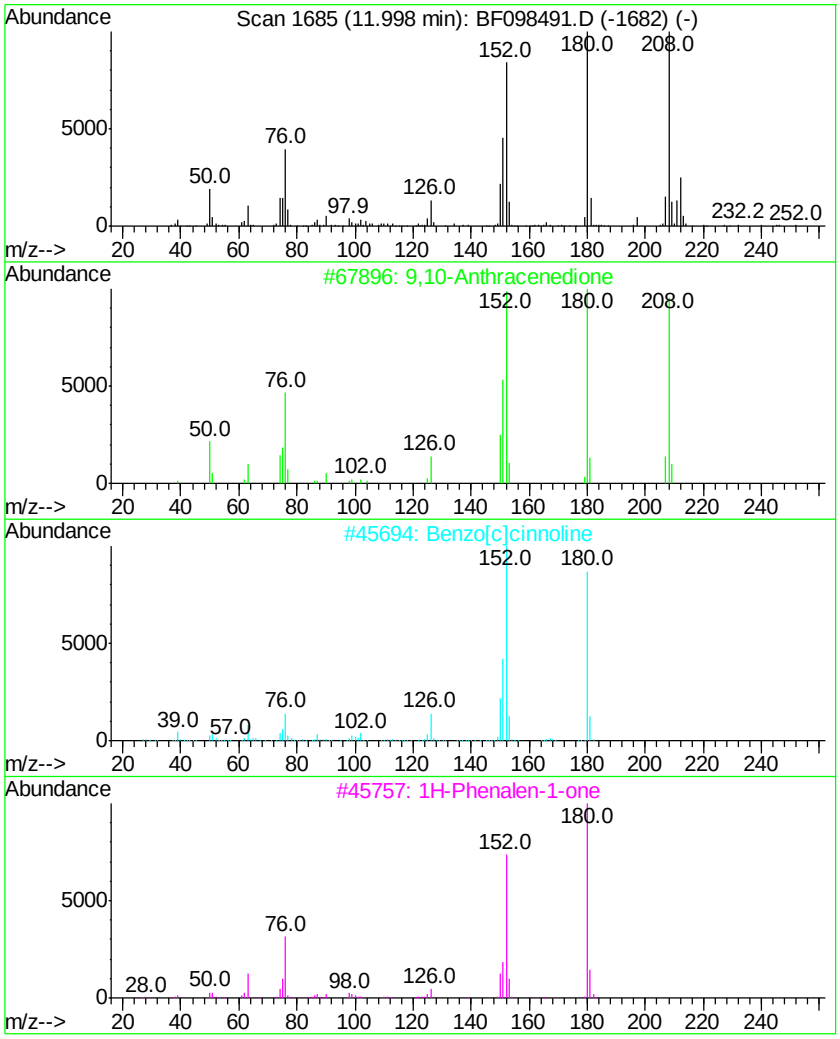
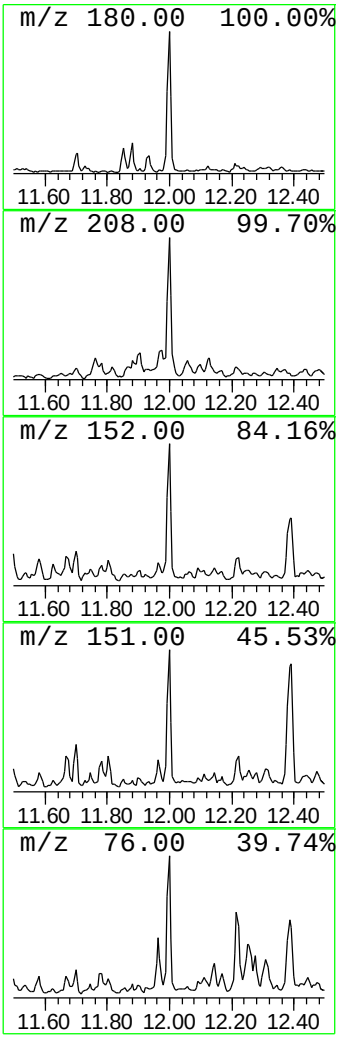
Peak Number 14 9,10-Anthracenedione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	8.89 ng	564618	Phenanthrene-d10	11.17

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	55
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	52
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	46





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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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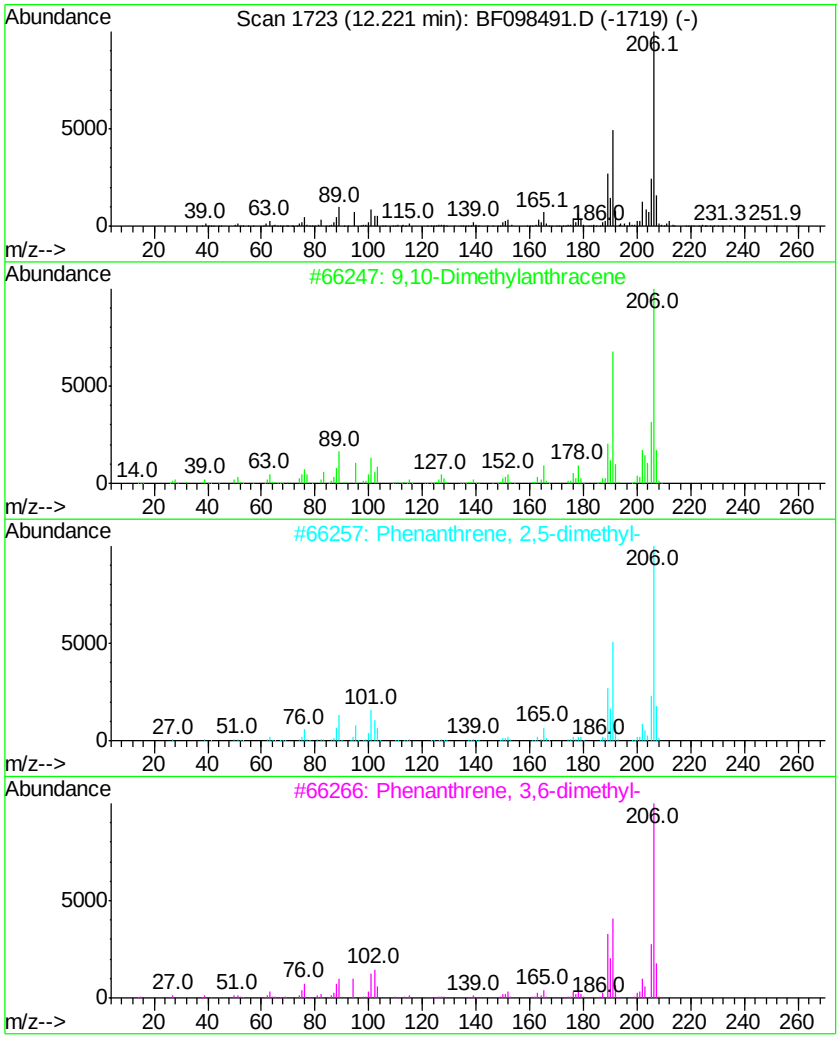
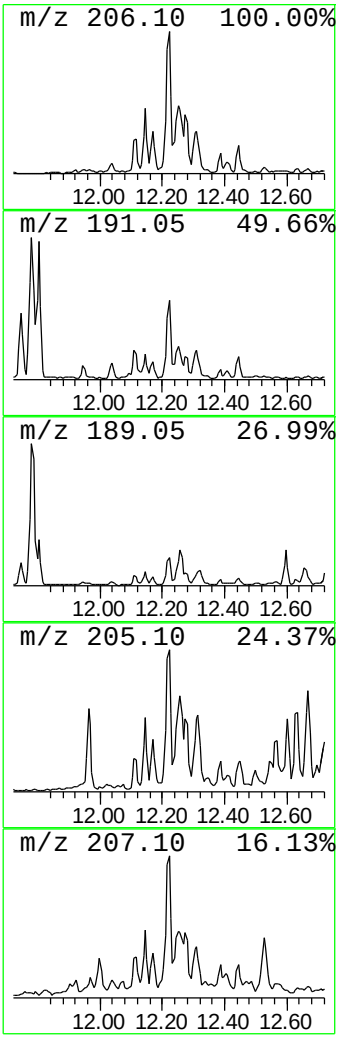
Peak Number 15 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	19.22 ng	1220870	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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

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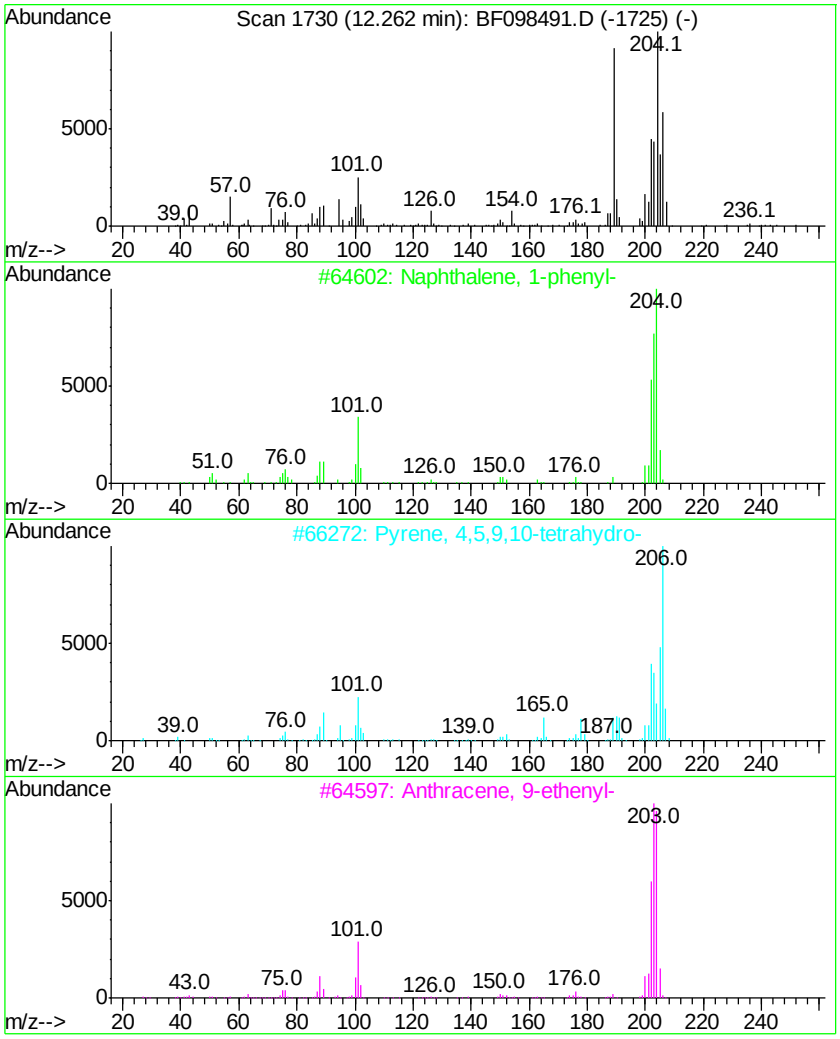
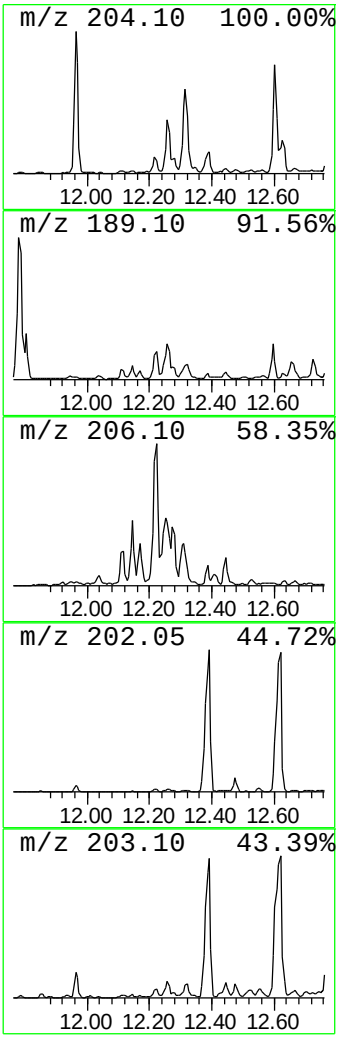
Peak Number 16 unknown12.26 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	13.11 ng	832946	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	46
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	46
3	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	44
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35





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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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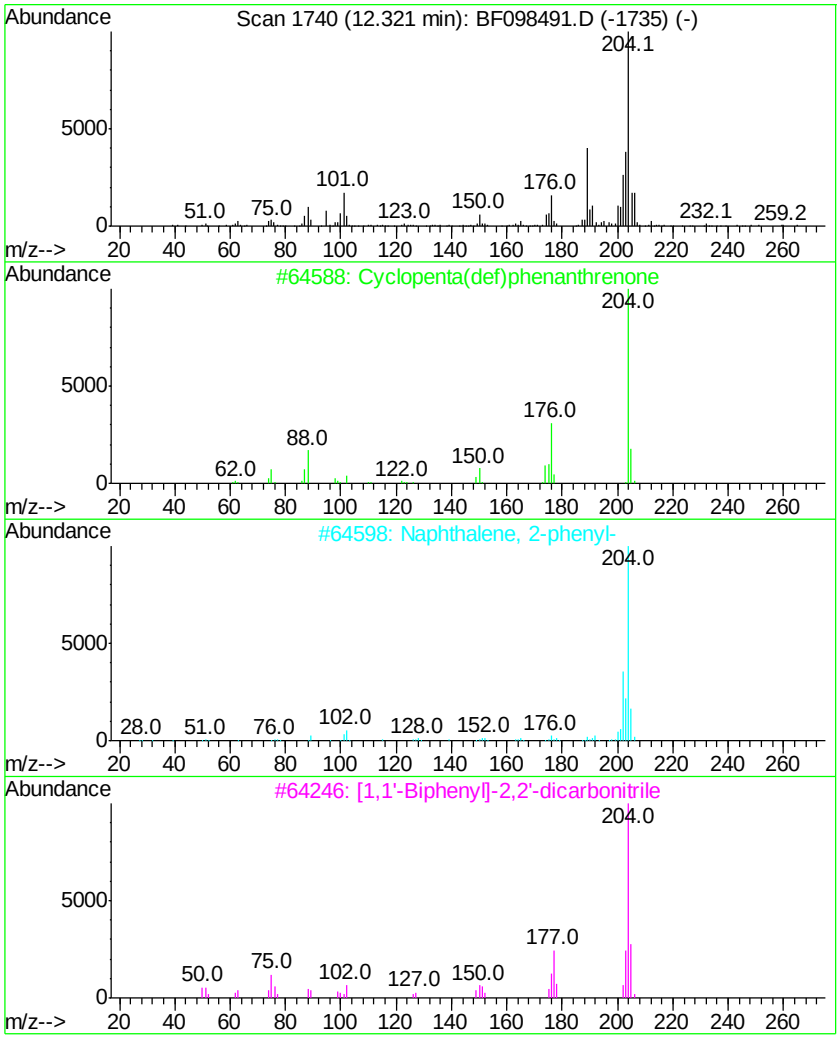
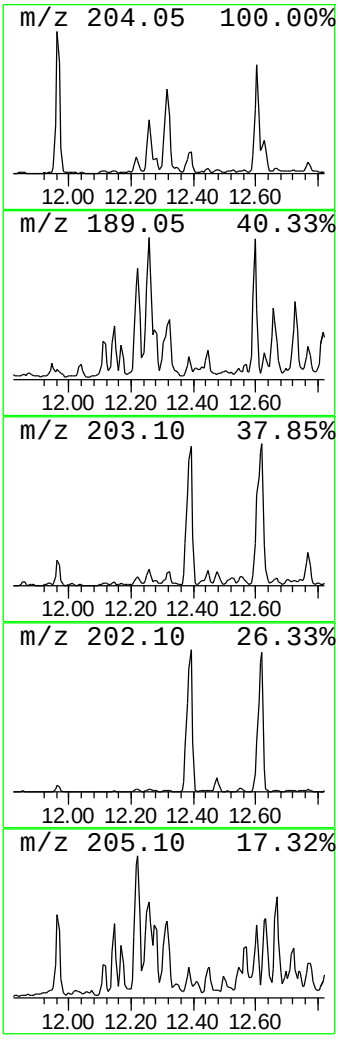
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	14.00 ng	889251	Phenanthrene-d10	11.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47





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

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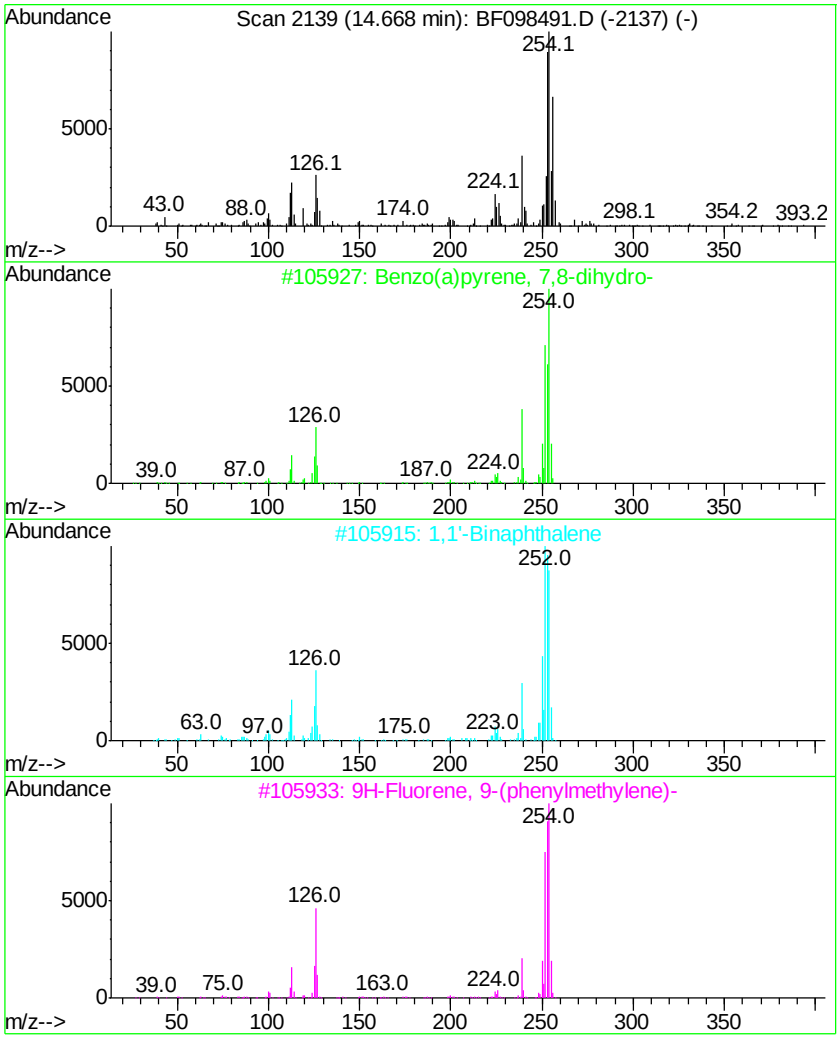
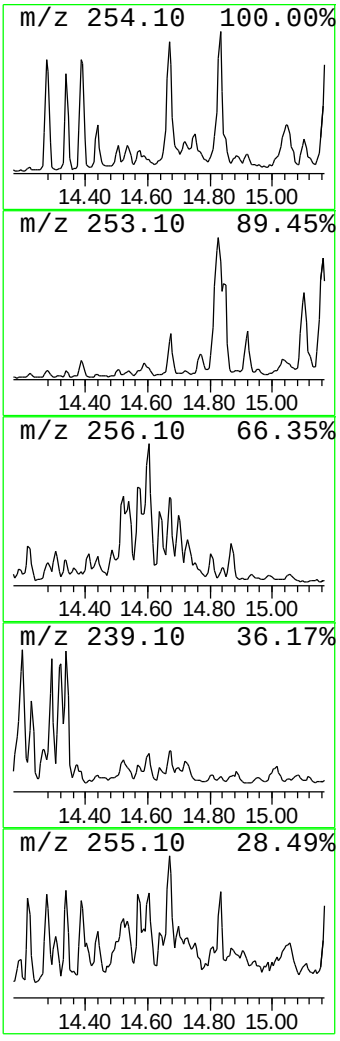
Peak Number 18 Benzo(a)pyrene, 7,8-dihydro- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	8.95 ng	403438	Perylene-d12	15.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	87
2	1,1'-Binaphthalene	254	C20H14	000604-53-5	55
3	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	55
4	1H-Indene, 1,1'-(1,2-ethanediyli...	254	C20H14	072088-04-1	53
5	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	49





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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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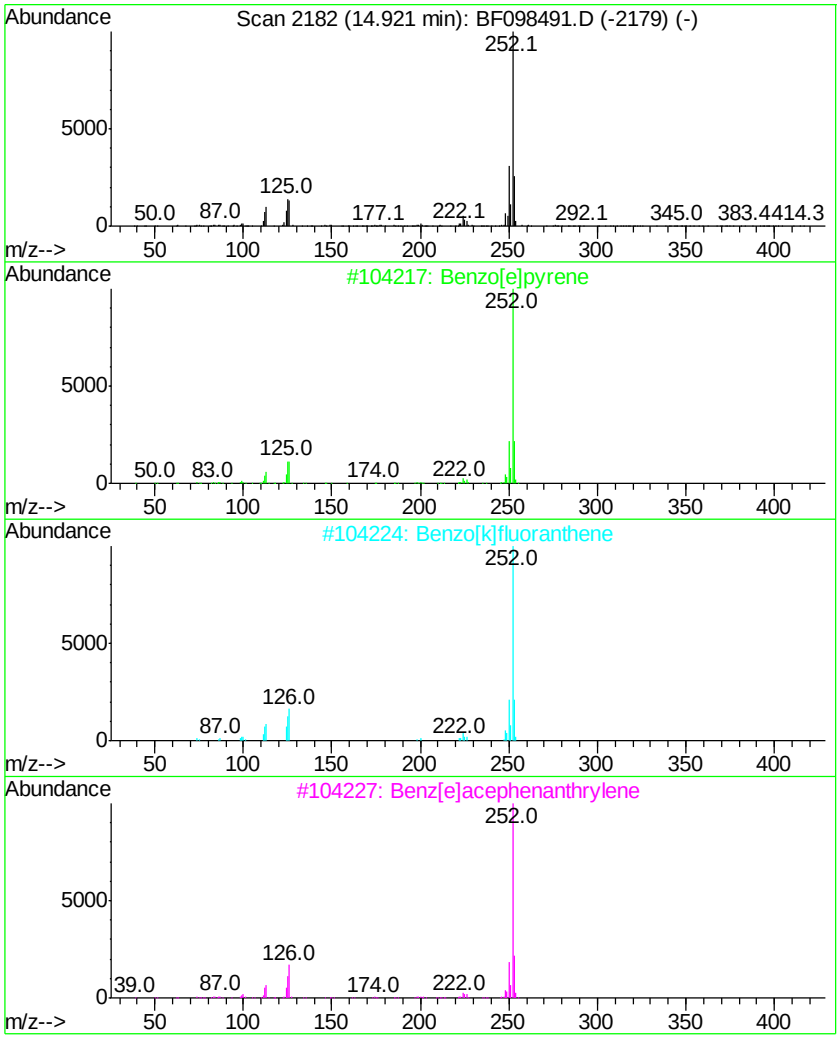
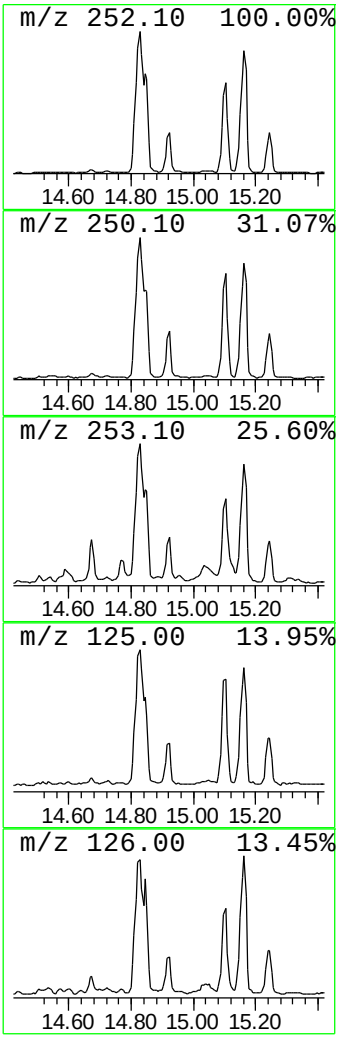
Peak Number 19 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	13.56 ng	611593	Perylene-d12	15.22

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	97
4	Benzo[a]pyrene	252	C20H12	000050-32-8	96
5	Perylene	252	C20H12	000198-55-0	93





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF091317\
Data File : BF098491.D
Acq On : 13 Sep 2017 15:45
Operator : SJ/JU
Sample : I5208-04 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-091117-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.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
unknown6.42	6.42	44.4	ng	2433100	1	6.65	1095040	20.0
Naphthalene, 1-me...	8.75	12.9	ng	989380	2	7.94	1528580	20.0
Naphthalene, 1,6-...	9.27	11.1	ng	851009	3	9.69	1540420	20.0
Naphthalene, 1,7-...	9.35	13.4	ng	1035320	3	9.69	1540420	20.0
9H-Fluorene, 3-me...	10.78	11.9	ng	756394	4	11.17	1270530	20.0
Dibenzothiophene	11.06	9.3	ng	593796	4	11.17	1270530	20.0
Phenanthrene, 2-m...	11.67	21.8	ng	1383180	4	11.17	1270530	20.0
Benzaldehyde, 3,5...	11.78	35.1	ng	2227630	4	11.17	1270530	20.0
Anthracene, 2-met...	11.80	17.0	ng	1082120	4	11.17	1270530	20.0
Naphthalene, 2-ph...	11.96	13.7	ng	870978	4	11.17	1270530	20.0
9,10-Anthracenedione	12.00	8.9	ng	564618	4	11.17	1270530	20.0
9,10-Dimethylanth...	12.22	19.2	ng	1220870	4	11.17	1270530	20.0
unknown12.26	12.26	13.1	ng	832946	4	11.17	1270530	20.0
Cyclopenta(def)ph...	12.32	14.0	ng	889251	4	11.17	1270530	20.0
Benzo(a)pyrene, 7...	14.67	8.9	ng	403438	6	15.22	901731	20.0
Benzo[e]pyrene	14.92	13.6	ng	611593	6	15.22	901731	20.0