LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112158.D
Acq On : 21 Jan 2019 15:01
Operator : JU/SJ
Sample : K1009-05 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-011819-C

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-BF011619.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	5.057	502	505	512	rVB	126923	144180	4.55%	0.244%
2	5.481	574	577	585	rBV	2740540	2483290	78.29%	4.194%
3	6.492	745	749	763	rBV	2920859	2735708	86.25%	4.620%
4	6.628	768	772	778	rVV	3125241	2792477	88.04%	4.716%
5	6.687	778	782	786	rVB3	51762	67059	2.11%	0.113%
6	6.851	807	810	818	rVB	1937605	1590948	50.16%	2.687%
7	7.010	833	837	840	rBV	2633206	2211284	69.72%	3.735%
8	7.116	852	855	861	rVB3	38325	58378	1.84%	0.099%
9	7.410	901	905	910	rBV	1913749	1516096	47.80%	2.561%
10	8.134	1023	1028	1031	rBV	2383362	2037999	64.25%	3.442%
11	8.157	1031	1032	1035	rVB	276045	141842	4.47%	0.240%
12	8.845	1146	1149	1154	rVB	321931	262506	8.28%	0.443%
13	8.945	1162	1166	1170	rBV	307182	259383	8.18%	0.438%
14	9.204	1207	1210	1214	rBV	3140865	2808790	88.56%	4.744%
15	9.292	1221	1225	1226	rBV2	52553	59996	1.89%	0.101%
16	9.310	1226	1228	1234	rVB	68395	63792	2.01%	0.108%
17	9.404	1242	1244	1250	rVB	73599	82864	2.61%	0.140%
18	9.475	1251	1256	1260	rBV	186638	250165	7.89%	0.423%
19	9.545	1264	1268	1271	rBV	308377	310197	9.78%	0.524%
20	9.575	1271	1273	1275	rVV	195202	131014	4.13%	0.221%
21	9.598	1275	1277	1283	rVB2	243970	251539	7.93%	0.425%
22	9.663	1285	1288	1290	rBV	157139	138851	4.38%	0.235%
23	9.751	1299	1303	1307	rBV	357395	328562	10.36%	0.555%
24	9.892	1323	1327	1330	rVB	1893189	1664997	52.49%	2.812%
25	9.922	1330	1332	1335	rVB	473096	354356	11.17%	0.598%
26	9.992	1341	1344	1348	rBV2	82131	117461	3.70%	0.198%
27	10.045	1348	1353	1357	rBV3	47776	76671	2.42%	0.129%
28	10.092	1357	1361	1365	rVB	374703	330568	10.42%	0.558%
29	10.133	1365	1368	1370	rBV	120485	100598	3.17%	0.170%
30	10.204	1376	1380	1383	rBV2	139208	149223	4.70%	0.252%
31	10.233	1383	1385	1387	rVB	87658	60765	1.92%	0.103%
32	10.298	1392	1396	1397	rBV3	92143	116178	3.66%	0.196%
33	10.316	1397	1399	1401	rVB	102266	76381	2.41%	0.129%
34	10.433	1416	1419	1425	rVB	540022	521347	16.44%	0.881%

LSC Area Percent Report

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Data File : BF112158.D
Acq On : 21 Jan 2019 15:01
Operator : JU/SJ
Sample : K1009-05 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-011819-C

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-BF011619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.498	1425	1430	1432	rBV	76639	107284	3.38%	0.181%
36	10.522	1432	1434	1436	rVV2	84068	75215	2.37%	0.127%
37	10.545	1436	1438	1441	rVV3	79040	76918	2.43%	0.130%
38	10.592	1443	1446	1449	rVB	115528	113141	3.57%	0.191%
39	10.675	1455	1460	1464	rBV	1448432	1435565	45.26%	2.425%
40	10.804	1477	1482	1485	rBV2	142957	165732	5.23%	0.280%
41	10.875	1492	1494	1497	rBV2	52147	61448	1.94%	0.104%
42	10.986	1508	1513	1515	rBV2	157553	203679	6.42%	0.344%
43	11.010	1515	1517	1520	rVV	134134	123660	3.90%	0.209%
44	11.069	1524	1527	1530	rVB	120036	107560	3.39%	0.182%
45	11.116	1530	1535	1537	rBV4	75272	123299	3.89%	0.208%
46	11.133	1537	1538	1542	rVV	89982	87455	2.76%	0.148%
47	11.180	1543	1546	1549	rVV4	73574	88969	2.81%	0.150%
48	11.233	1551	1555	1557	rVV3	84702	122071	3.85%	0.206%
49	11.269	1558	1561	1566	rVB	220922	226823	7.15%	0.383%
50	11.374	1576	1579	1581	rBV	1733491	1534196	48.37%	2.591%
51	11.398	1581	1583	1587	rVV	2107524	1823017	57.48%	3.079%
52	11.451	1589	1592	1595	rVB	822761	633471	19.97%	1.070%
53	11.486	1595	1598	1601	rBV2	131730	138214	4.36%	0.233%
54	11.604	1615	1618	1625	rBV3	112815	148959	4.70%	0.252%
55	11.669	1626	1629	1631	rVB3	99910	87867	2.77%	0.148%
56	11.710	1632	1636	1641	rVB3	142184	154497	4.87%	0.261%
57	11.792	1647	1650	1654	rVB	94402	98231	3.10%	0.166%
58	11.880	1661	1665	1667	rVV	448323	463222	14.60%	0.782%
59	11.904	1667	1669	1674	rVV	601253	544907	17.18%	0.920%
60	11.951	1674	1677	1680	rVV	242949	236413	7.45%	0.399%
61	11.992	1680	1684	1686	rVV2	807789	914376	28.83%	1.544%
62	12.010	1686	1687	1692	rVB	382201	288124	9.08%	0.487%
63	12.110	1702	1704	1707	rBV2	83060	69906	2.20%	0.118%
64	12.169	1711	1714	1717	rVV	258863	245946	7.75%	0.415%
65	12.198	1717	1719	1725	rVB3	119323	154176	4.86%	0.260%
66	12.304	1735	1737	1738	rBV	80293	65704	2.07%	0.111%
67	12.322	1738	1740	1742	rVV	128265	94540	2.98%	0.160%
68	12.351	1743	1745	1748	rVV	161462	143987	4.54%	0.243%
69	12.380	1748	1750	1752	rVB	116935	90576	2.86%	0.153%
70	12.427	1755	1758	1761	rBV	413333	411866	12.99%	0.696%
71	12.463	1761	1764	1767	rVV2	249890	350579	11.05%	0.592%

LSC Area Percent Report

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Acq On : 21 Jan 2019 15:01
Operator : JU/SJ
Sample : K1009-05 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-011819-C

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-BF011619.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.516	1770	1773	1777	rBV2	181576	281094	8.86%	0.475%
73	12.592	1782	1786	1789	rBV	3243628	2728157	86.01%	4.608%
74	12.633	1790	1793	1795	rVV	98270	97102	3.06%	0.164%
75	12.686	1799	1802	1805	rBV2	150179	140631	4.43%	0.238%
76	12.745	1809	1812	1815	rVV2	136958	164039	5.17%	0.277%
77	12.821	1819	1825	1831	rBV	2886133	3171780	100.00%	5.357%
78	12.874	1831	1834	1838	rVB2	145107	199889	6.30%	0.338%
79	12.957	1842	1848	1851	rVV	2663674	2401967	75.73%	4.057%
80	12.980	1851	1852	1856	rVB	184282	114591	3.61%	0.194%
81	13.039	1858	1862	1869	rBV6	272676	506499	15.97%	0.855%
82	13.092	1869	1871	1873	rBV2	127872	114084	3.60%	0.193%
83	13.127	1874	1877	1878	rVV2	230557	262855	8.29%	0.444%
84	13.145	1878	1880	1884	rVB	639007	590557	18.62%	0.997%
85	13.216	1889	1892	1894	rVB	500606	407045	12.83%	0.687%
86	13.251	1895	1898	1902	rBV2	404061	395583	12.47%	0.668%
87	13.345	1911	1914	1917	rBV	297488	230819	7.28%	0.390%
88	13.374	1917	1919	1922	rVV	283522	245722	7.75%	0.415%
89	13.821	1993	1995	1998	rBV2	179979	248498	7.83%	0.420%
90	13.851	1998	2000	2006	rVB5	307141	459049	14.47%	0.775%
91	14.015	2024	2028	2031	rBV2	2224078	3024150	95.35%	5.108%
92	14.045	2031	2033	2036	rVB	1309435	1033084	32.57%	1.745%
93	14.127	2045	2047	2049	rVB	204815	152077	4.79%	0.257%
94	14.480	2105	2107	2109	rBV2	257685	239273	7.54%	0.404%
95	14.533	2113	2116	2118	rBV	273376	299263	9.44%	0.505%
96	15.063	2203	2206	2209	rBV	917531	1269865	40.04%	2.145%
97	15.368	2255	2258	2264	rVB	581087	710013	22.39%	1.199%
98	15.433	2265	2269	2274	rVV	888516	1172698	36.97%	1.981%
99	15.498	2276	2280	2295	rVB3	997565	1783198	56.22%	3.012%
100	16.974	2527	2531	2538	rVB2	370197	659277	20.79%	1.113%

Sum of corrected areas: 59209917

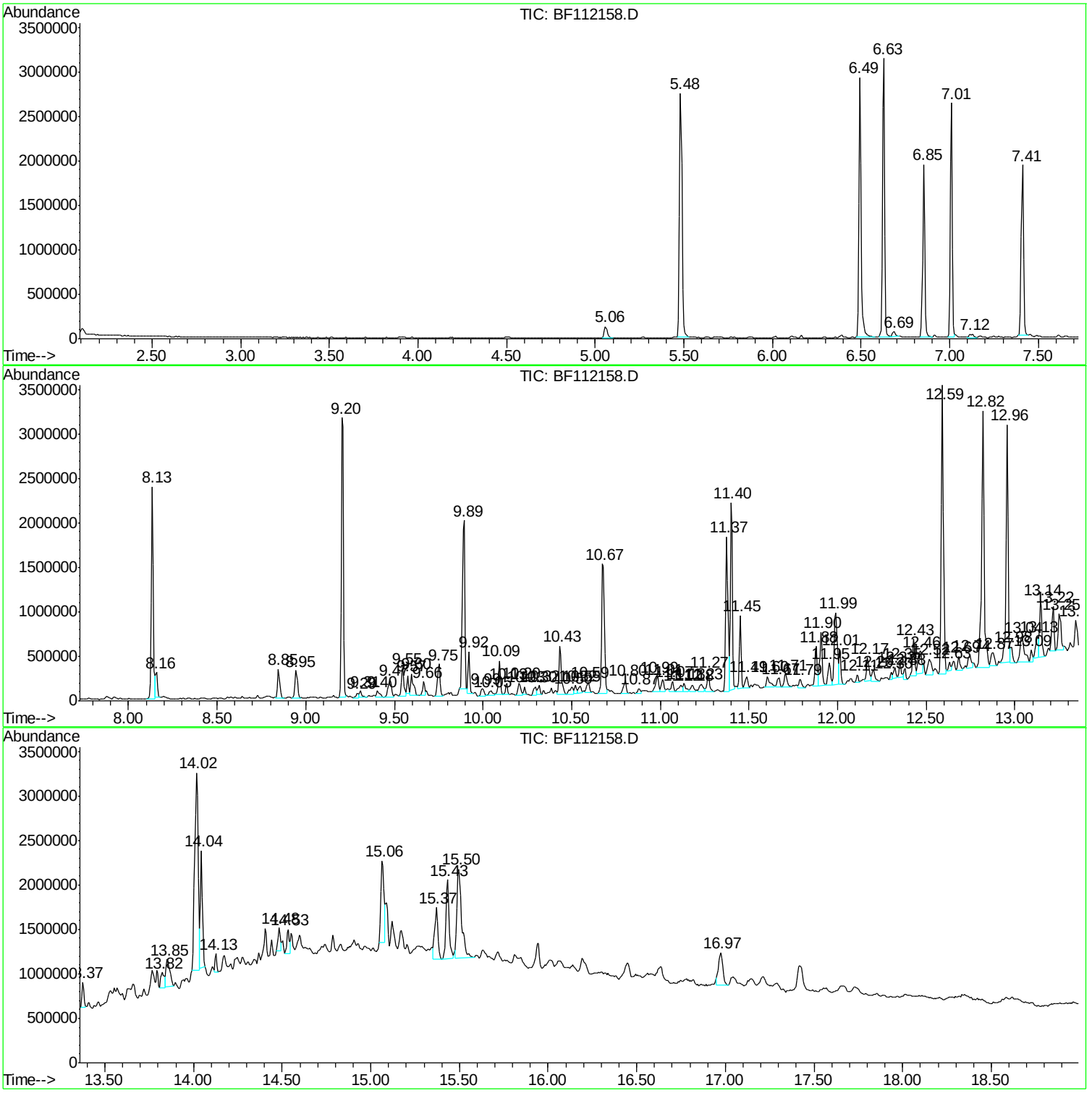
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112158.D
Acq On : 21 Jan 2019 15:01
Operator : JU/SJ
Sample : K1009-05 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-011819-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112158.D
Acq On : 21 Jan 2019 15:01
Operator : JU/SJ
Sample : K1009-05 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-011819-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

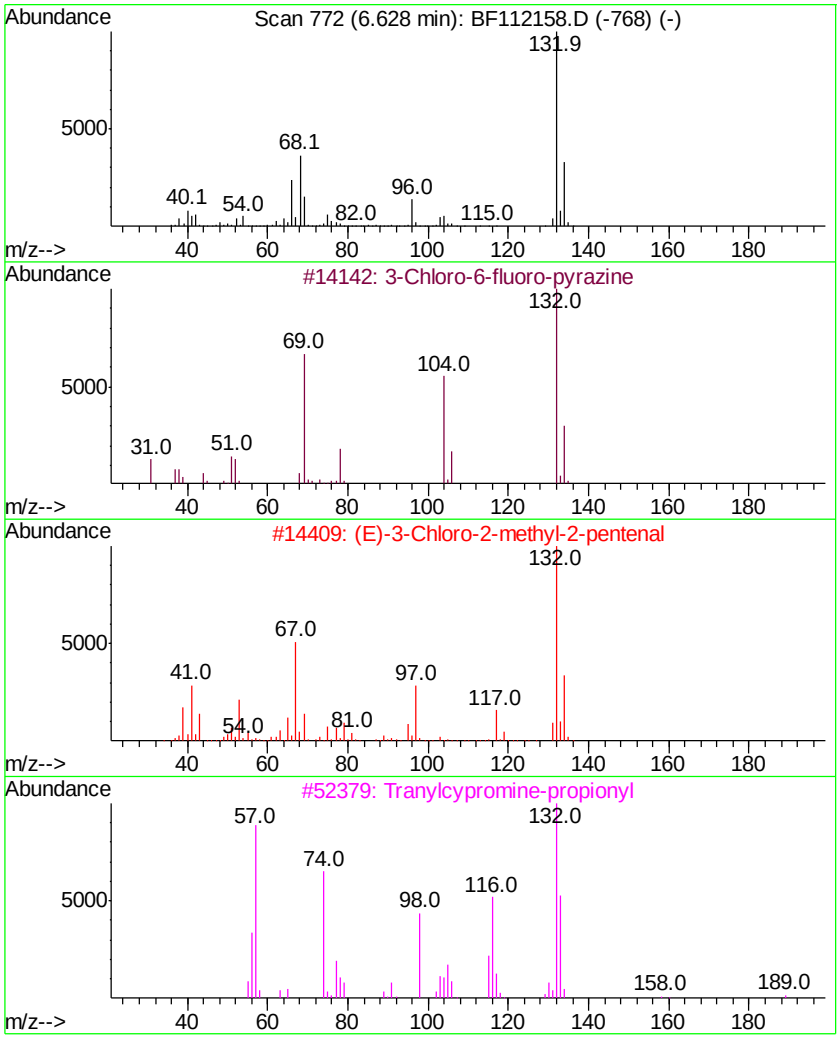
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

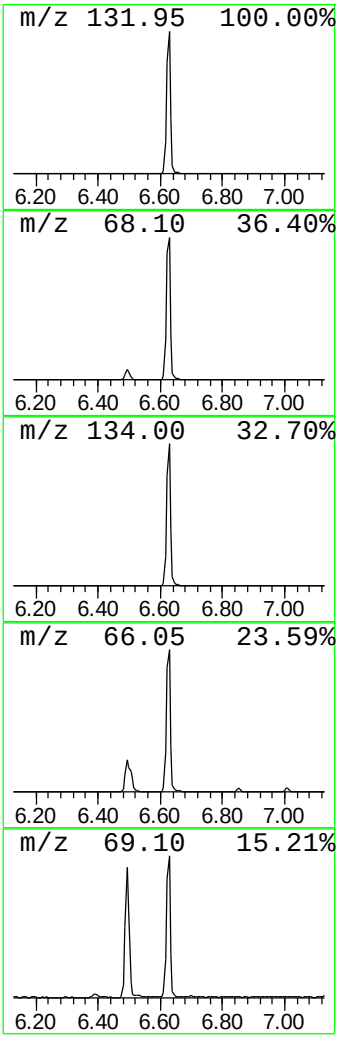
****

Peak Number 1 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	35.10 ng	2792480	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112158.D
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Operator : JU/SJ
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-011819-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

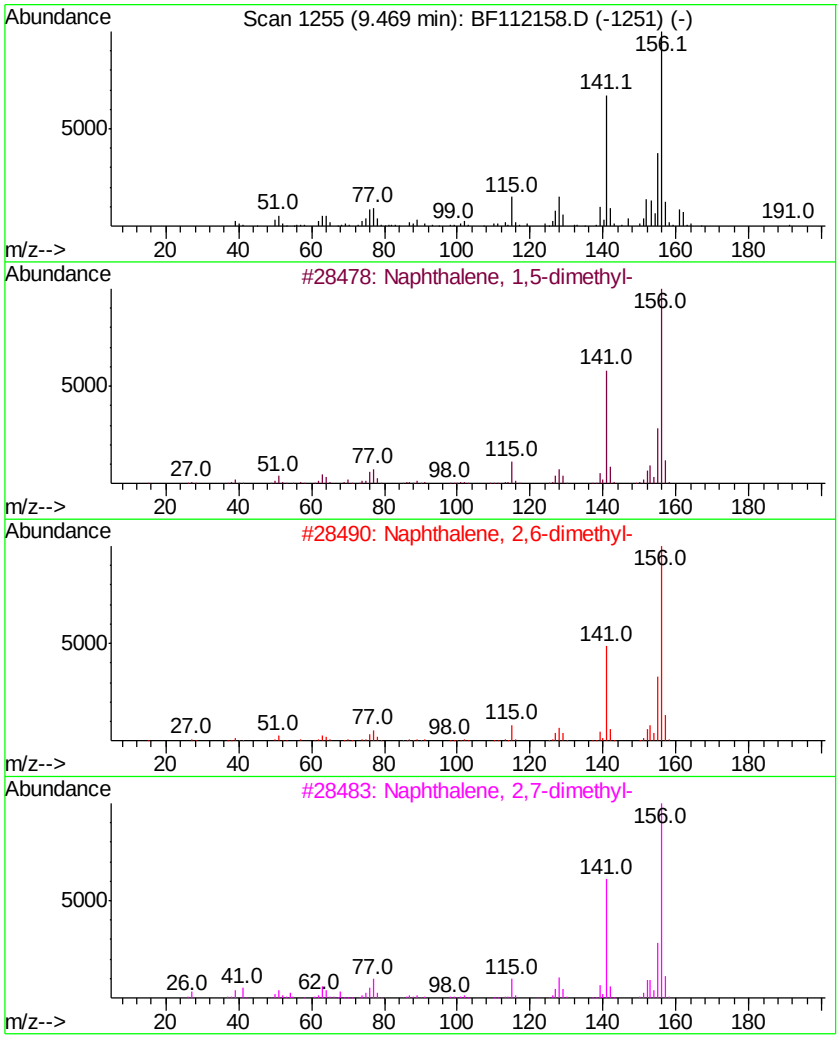
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

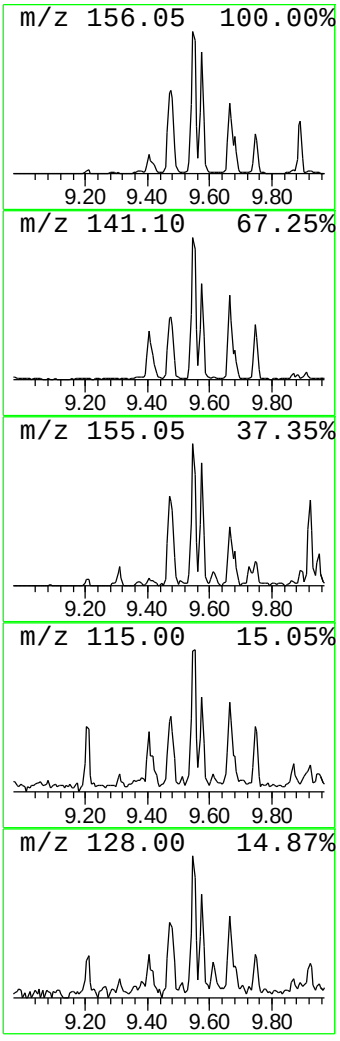
****

Peak Number 3 Naphthalene, 1,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	3.00 ng	250165	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112158.D
Acq On : 21 Jan 2019 15:01
Operator : JU/SJ
Sample : K1009-05 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-011819-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

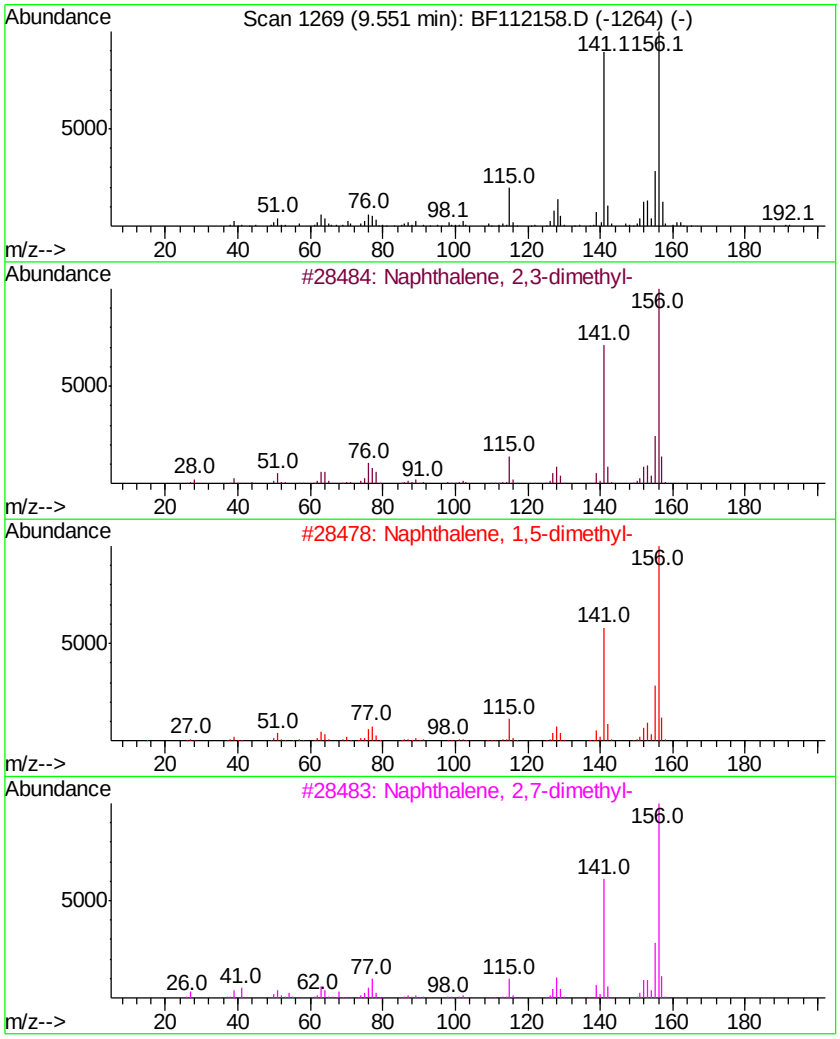
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

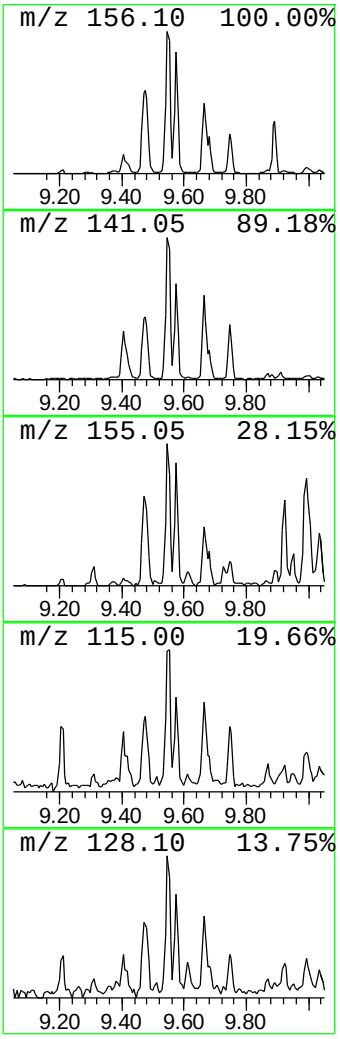
****

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.55	3.73 ng	310197	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112158.D
Acq On : 21 Jan 2019 15:01
Operator : JU/SJ
Sample : K1009-05 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-011819-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

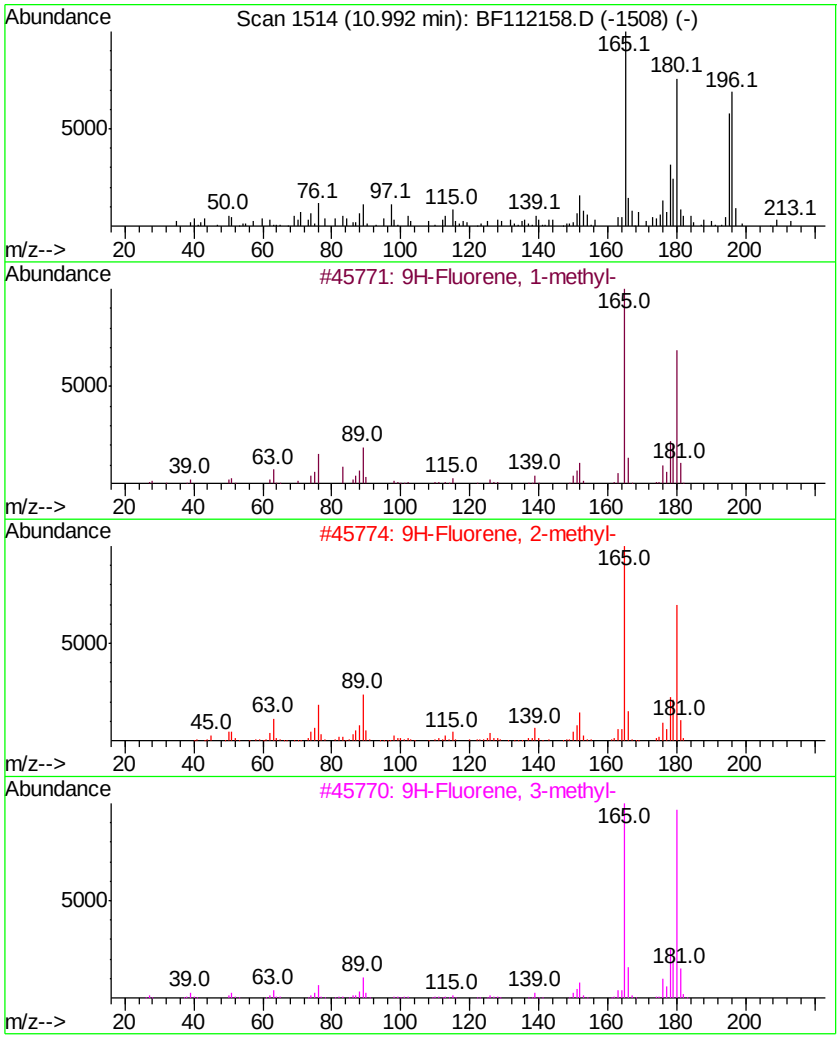
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

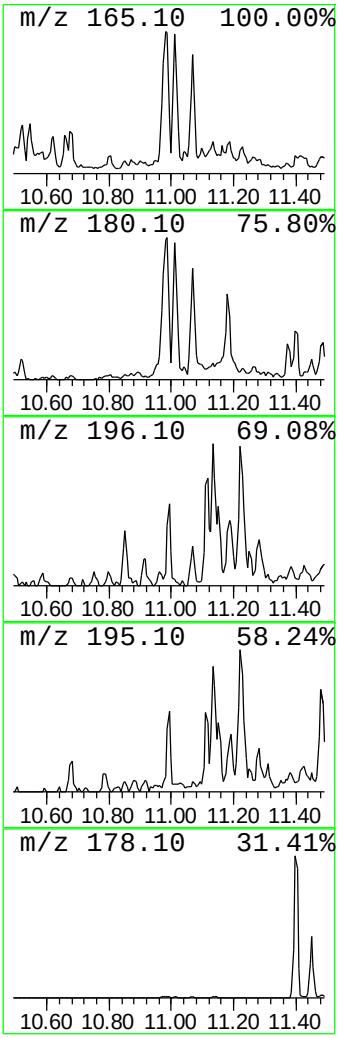
****

Peak Number 5 9H-Fluorene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	2.66 ng	203679	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112158.D
Acq On : 21 Jan 2019 15:01
Operator : JU/SJ
Sample : K1009-05 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-011819-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

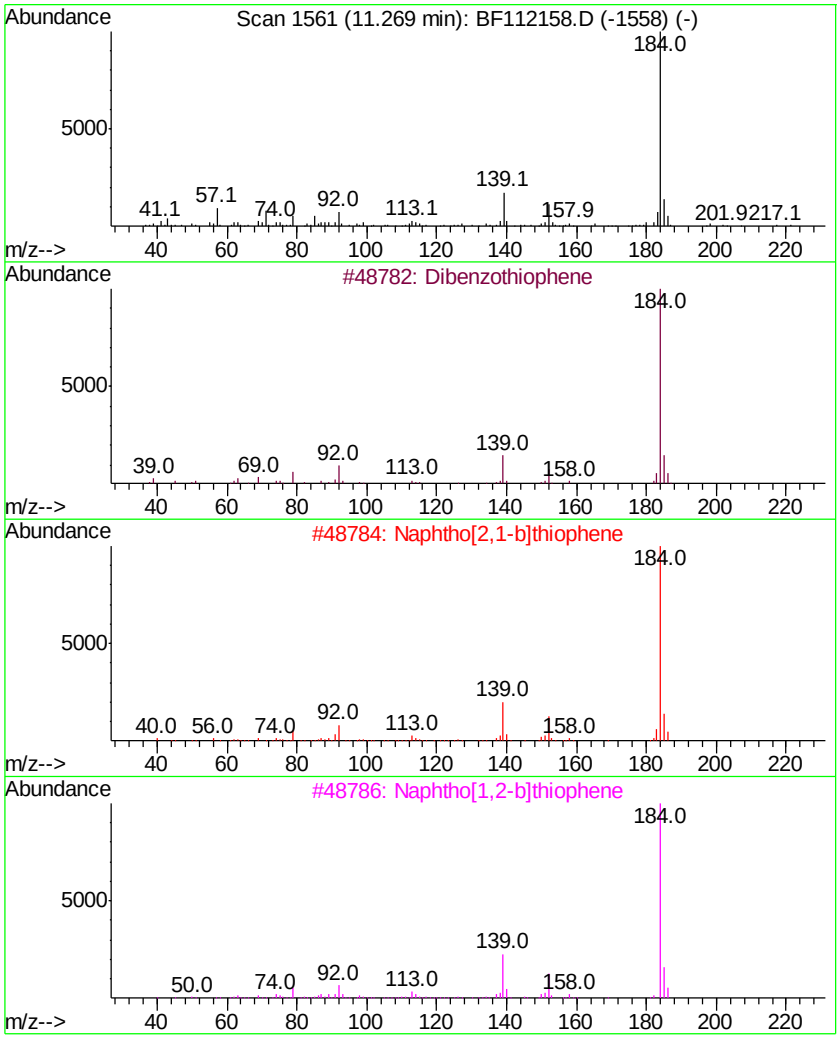
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

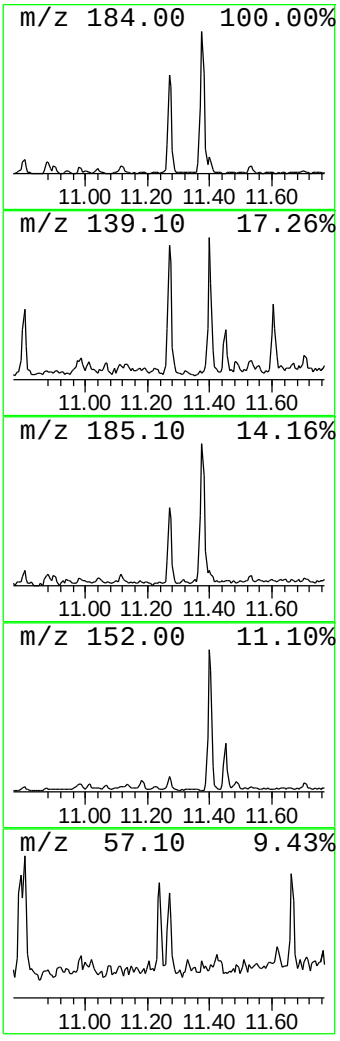
****

Peak Number 6 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	2.96 ng	226823	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Library Search Compound Report

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Data File : BF112158.D
Acq On : 21 Jan 2019 15:01
Operator : JU/SJ
Sample : K1009-05 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-011819-C

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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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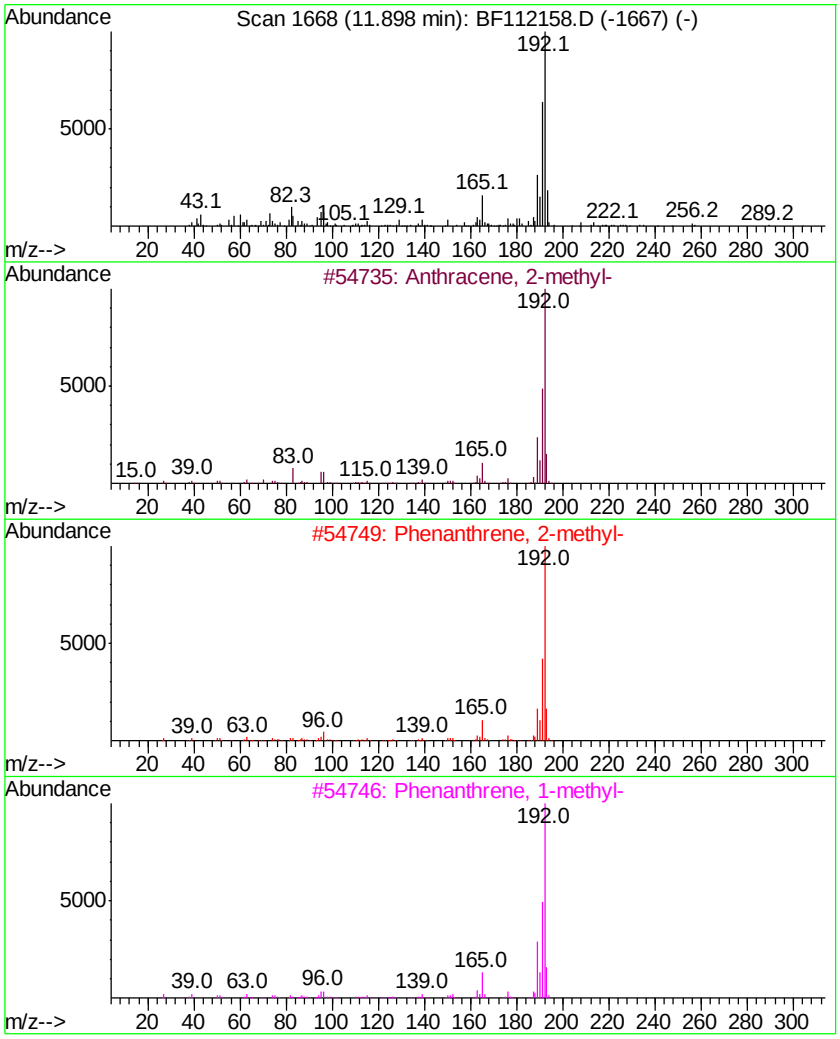
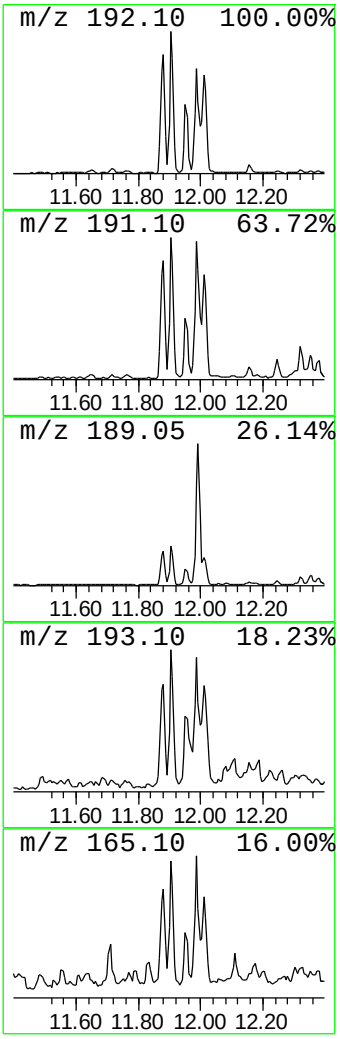
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	7.10 ng	544907	Phenanthrene-d10	11.37

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	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-011819-C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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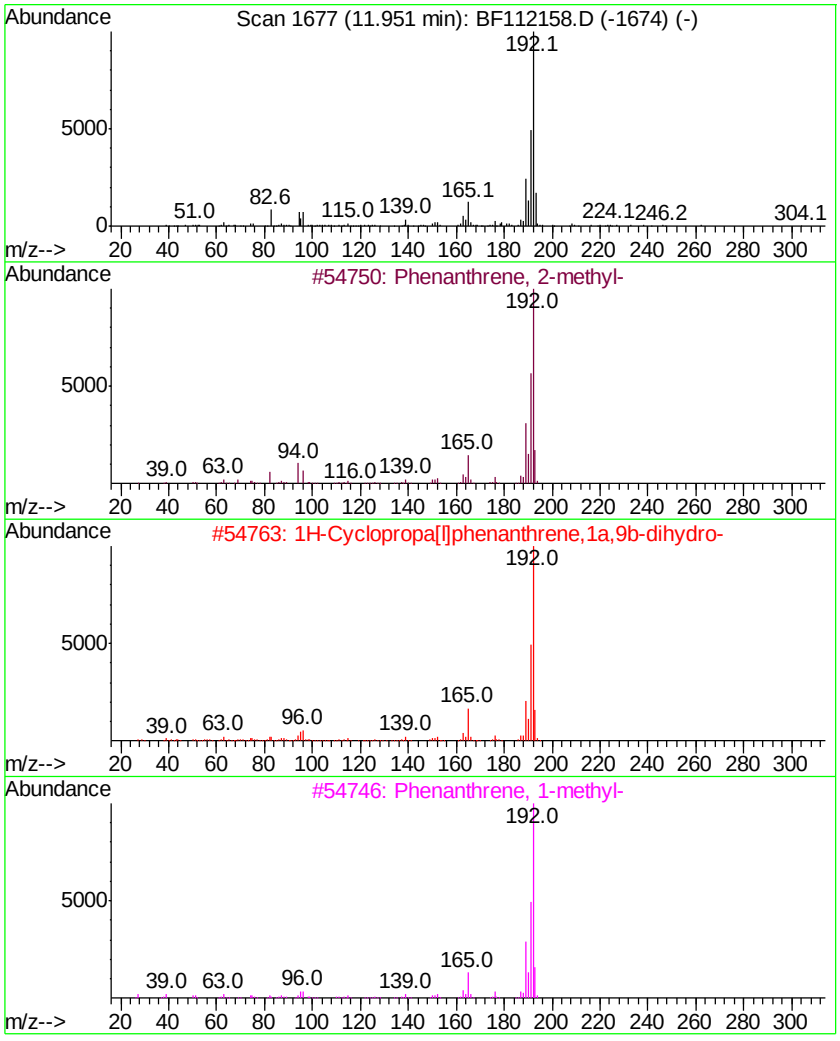
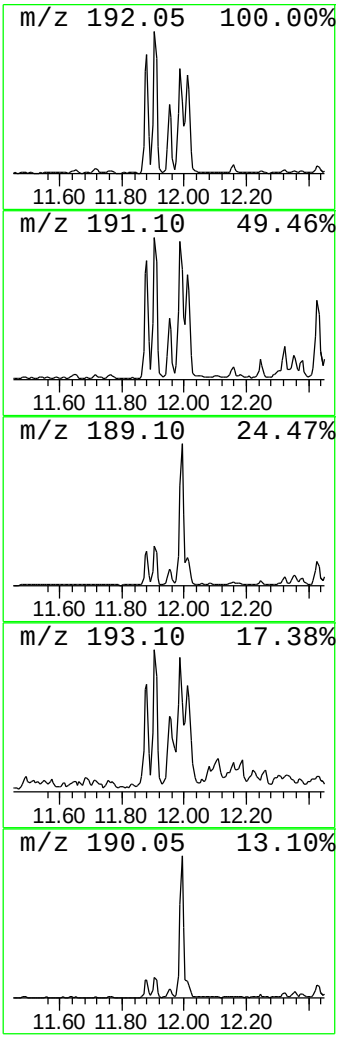
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	3.08 ng	236413	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95





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Sample : K1009-05 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-011819-C

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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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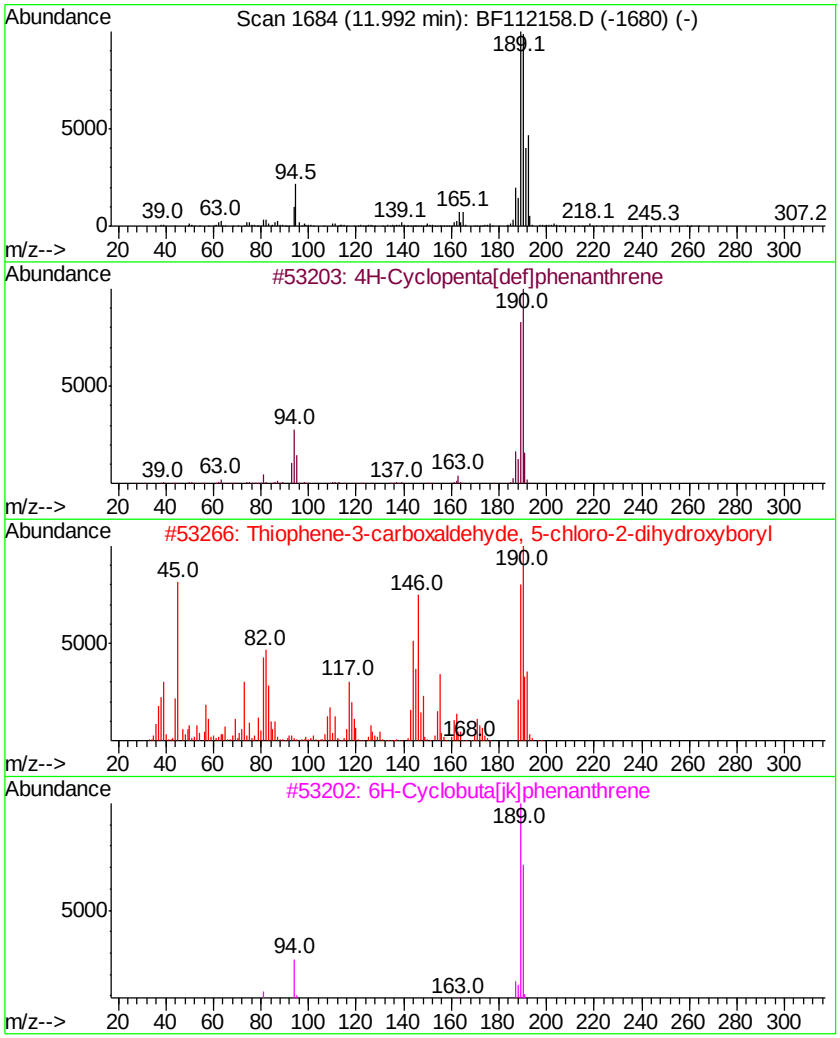
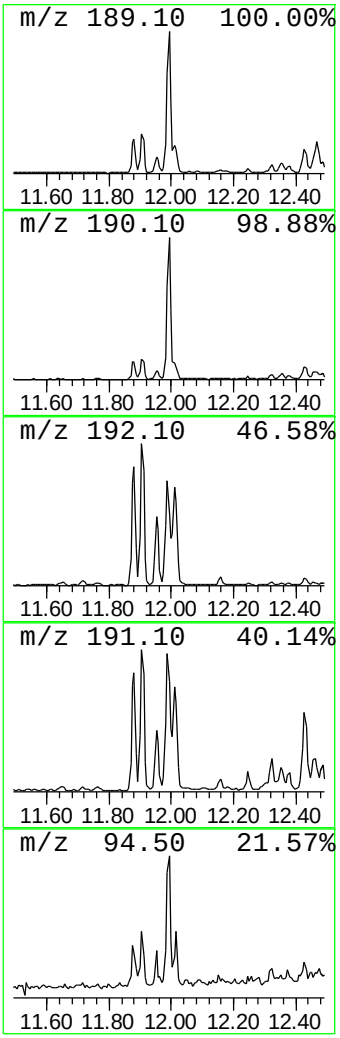
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	11.92 ng	914376	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	33





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Sample : K1009-05 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-011819-C

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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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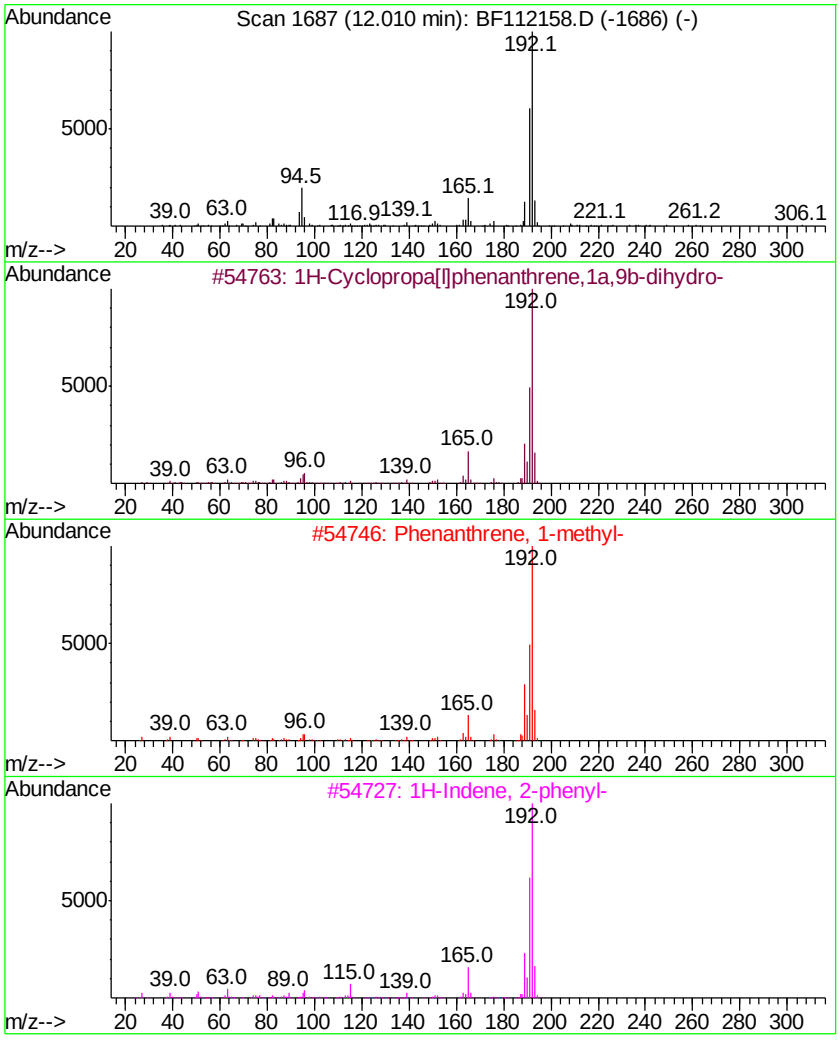
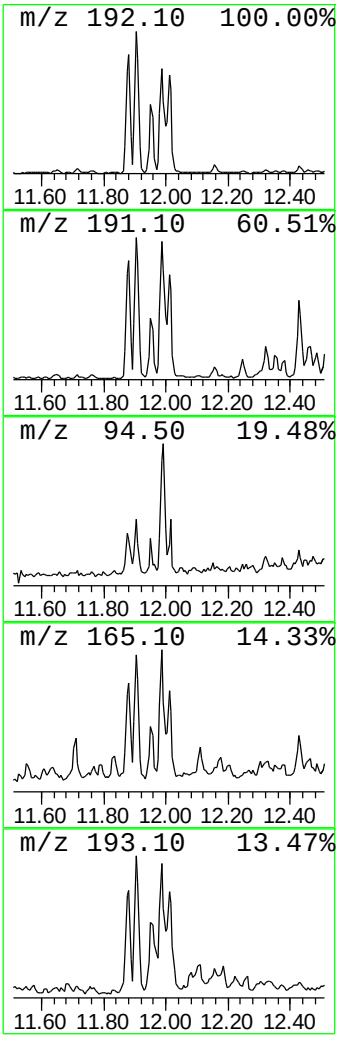
Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	3.76 ng	288124	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81





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ALS Vial : 9 Sample Multiplier: 1

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ClientSampleId : CL-01-011819-C

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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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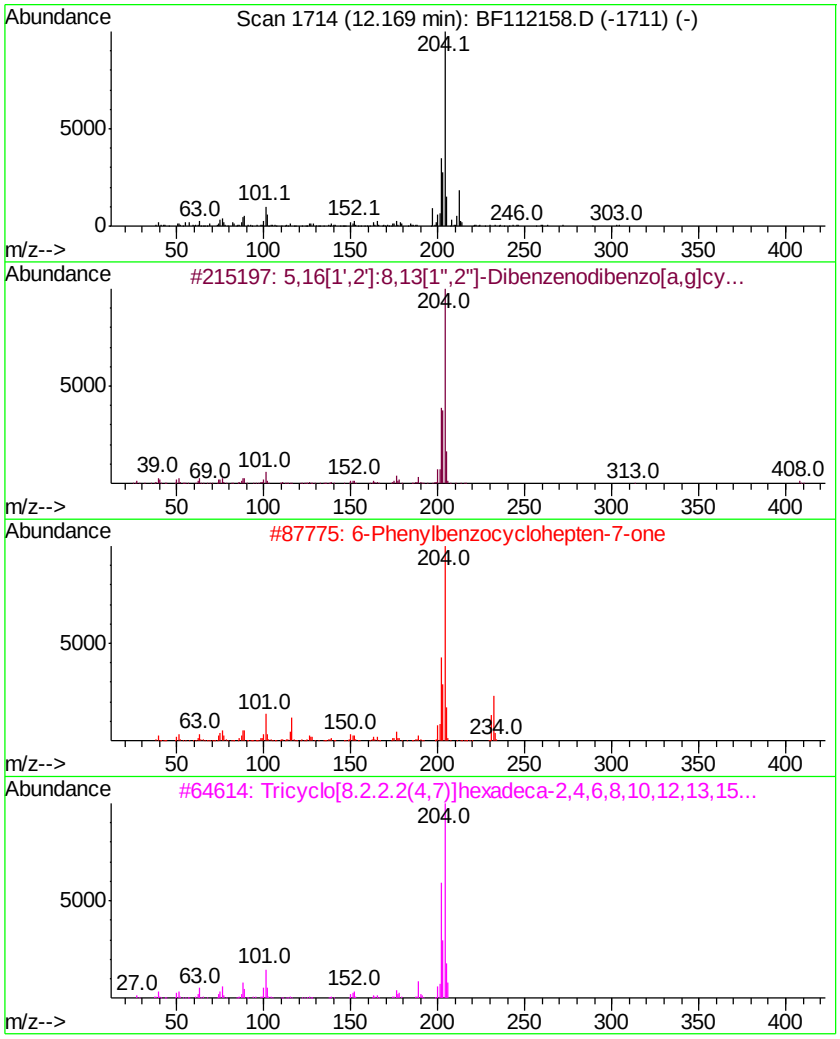
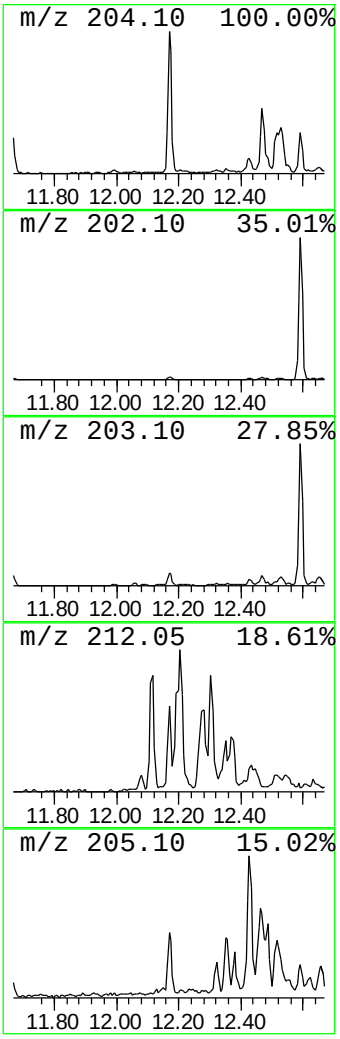
Peak Number 12 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	3.21 ng	245946	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	72
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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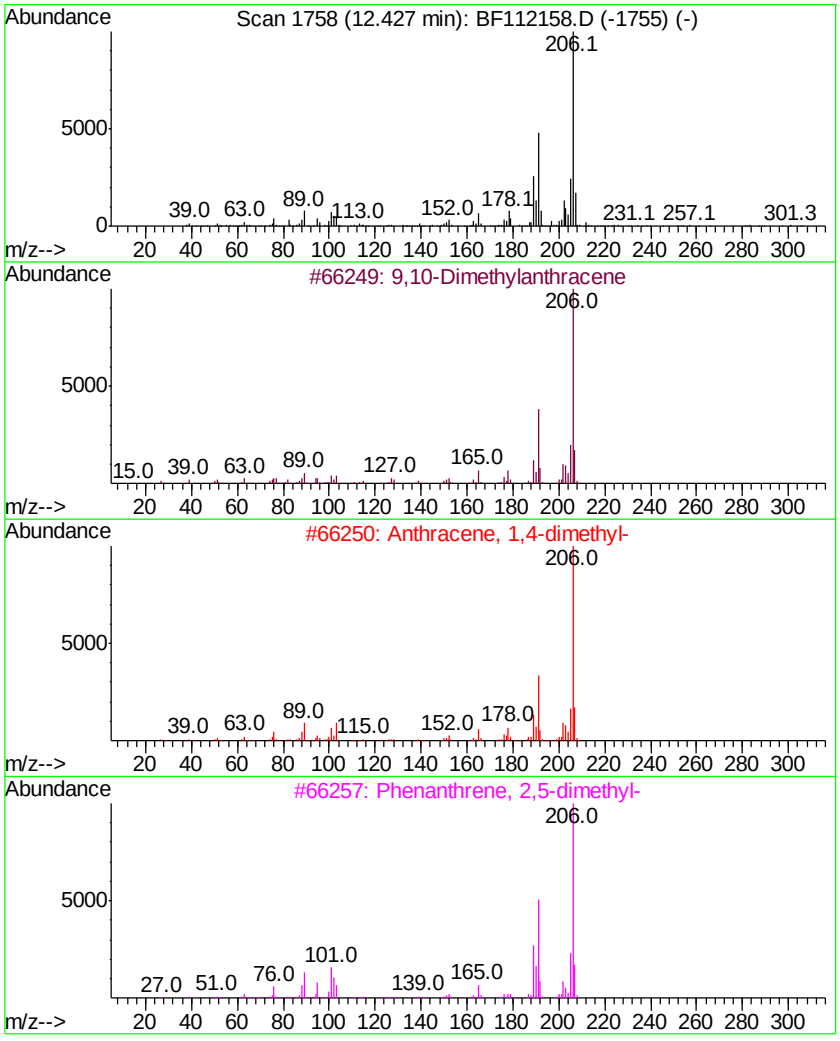
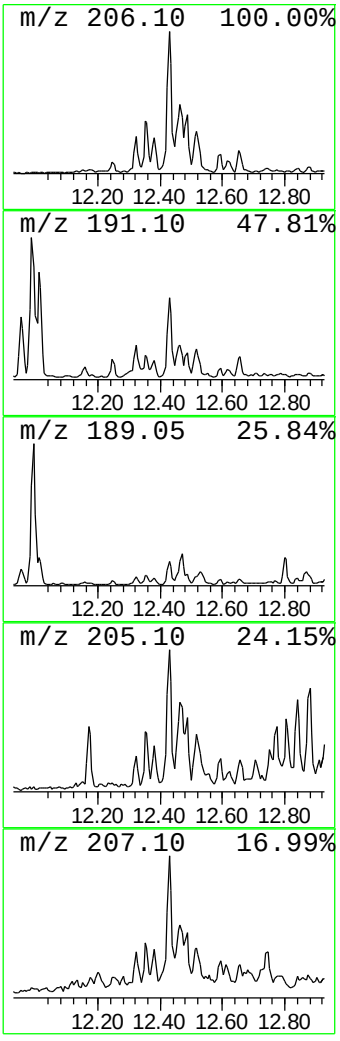
Peak Number 13 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	5.37 ng	411866	Phenanthrene-d10	11.37

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





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Operator : JU/SJ
Sample : K1009-05 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-011819-C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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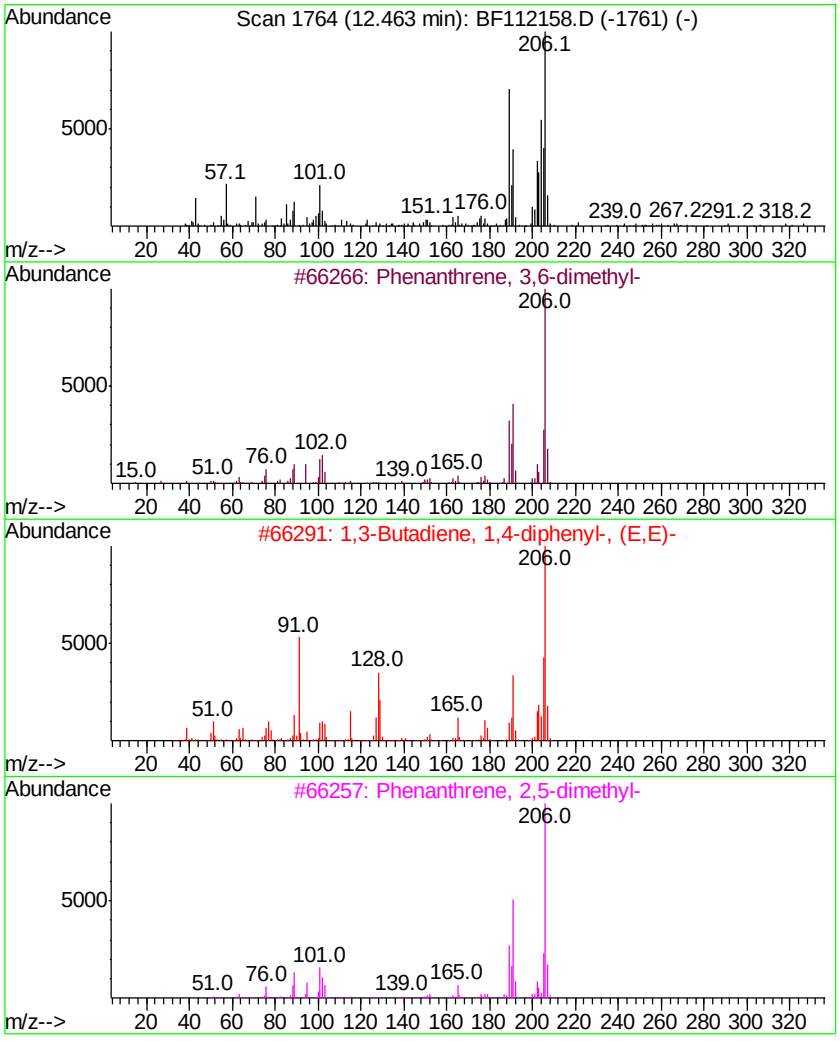
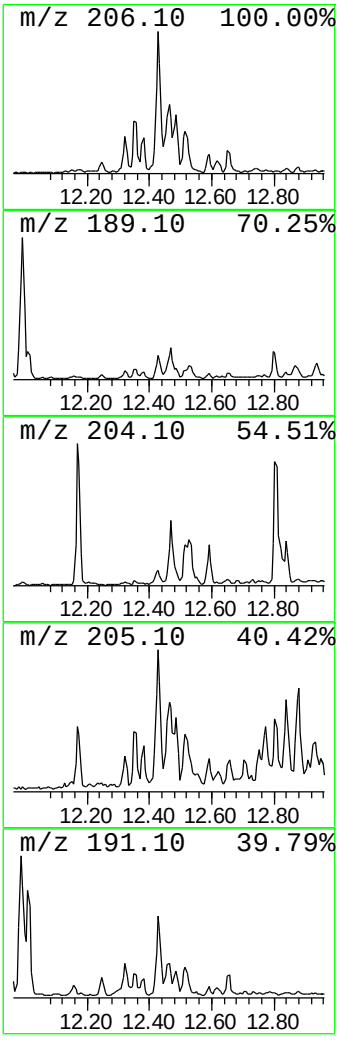
Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	4.57 ng	350579	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	60
2	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	53
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	46
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	46
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	45





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Sample : K1009-05 2X
Misc :
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Instrument : BNA_F
ClientSampleId : CL-01-011819-C

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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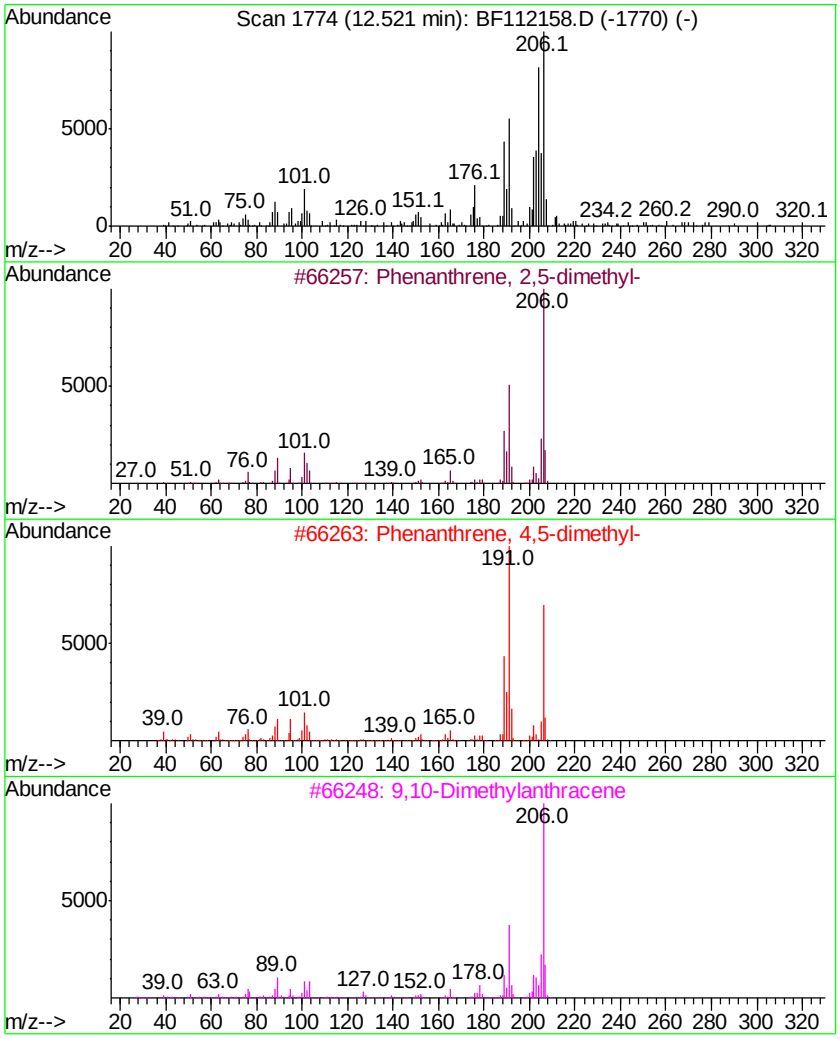
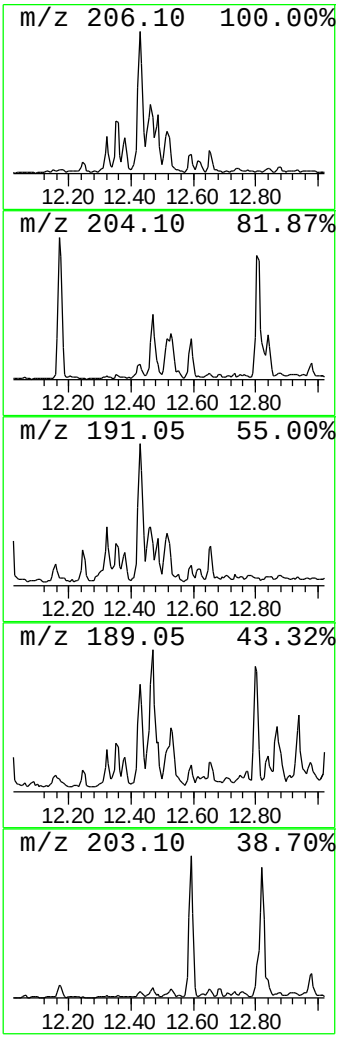
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	3.66 ng	281094	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	60
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	60
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	60
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	60





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Misc :
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Instrument : BNA_F
ClientSampleId : CL-01-011819-C

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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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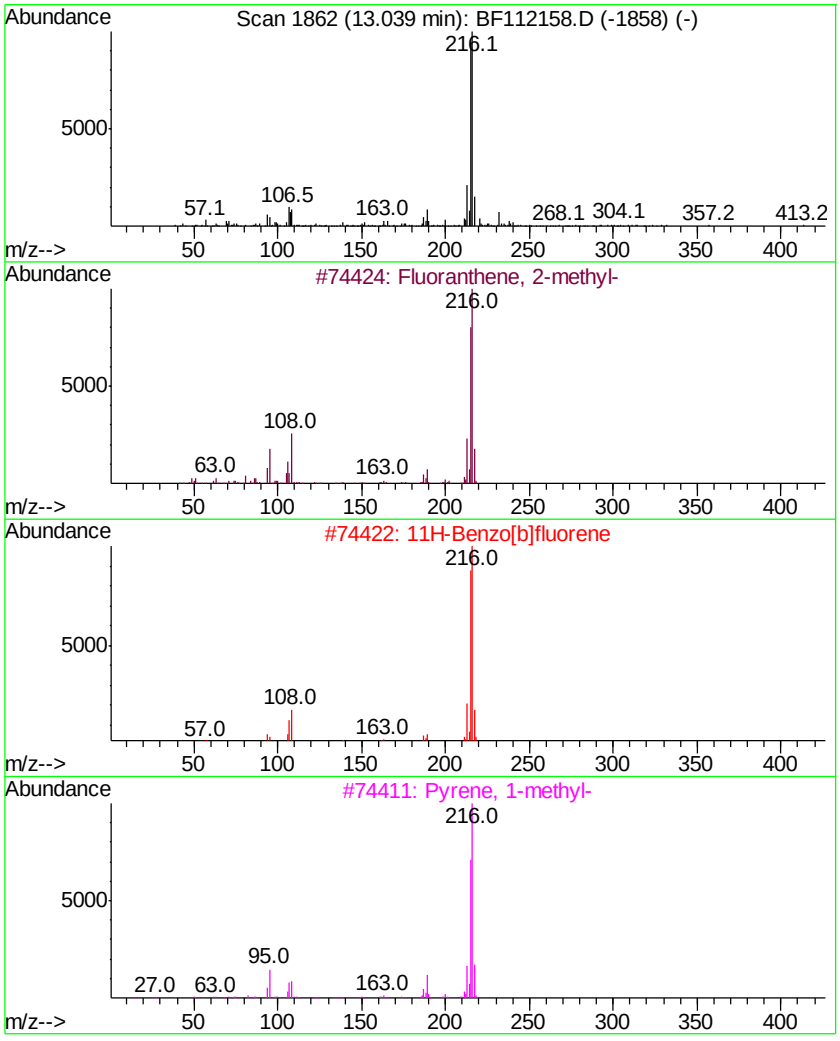
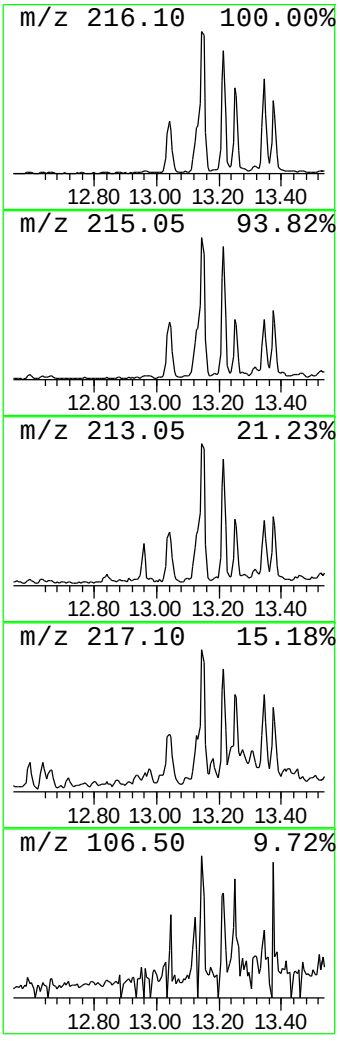
Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	3.35 ng	506499	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64





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Sample : K1009-05 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-011819-C

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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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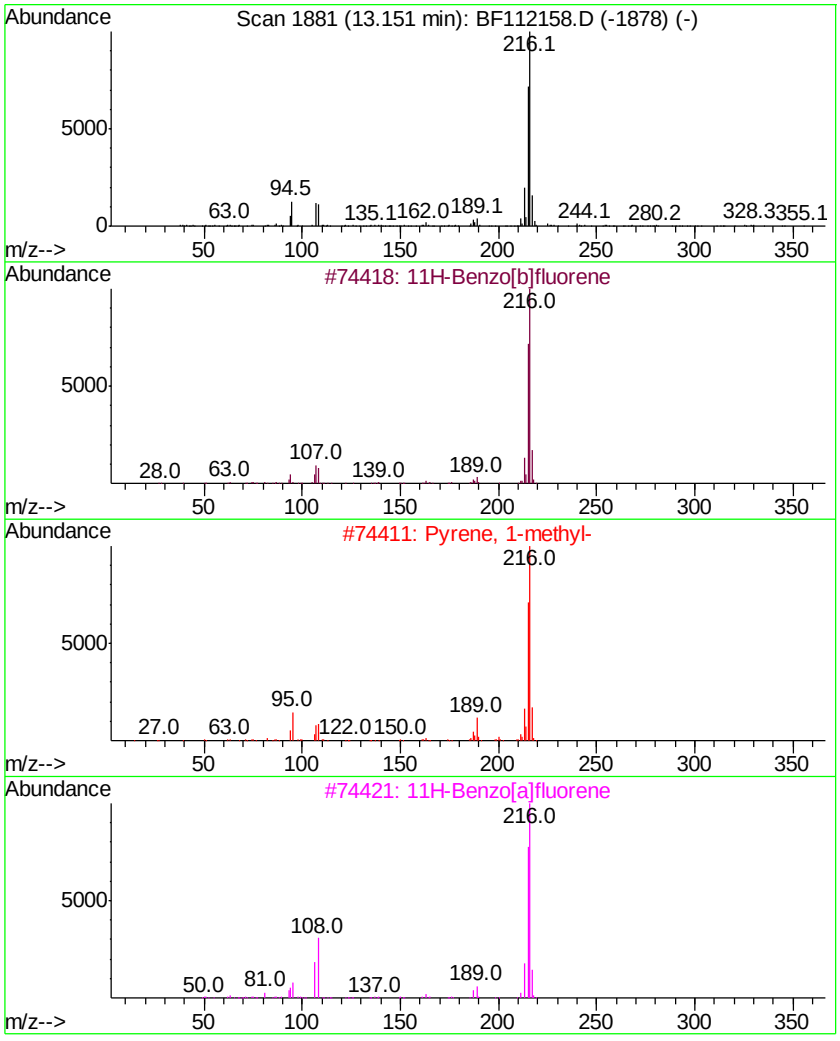
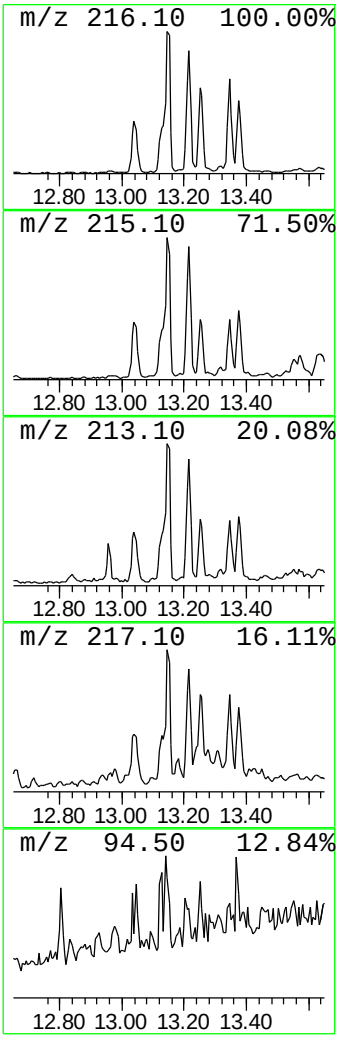
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	3.91 ng	590557	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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ClientSampleId : CL-01-011819-C

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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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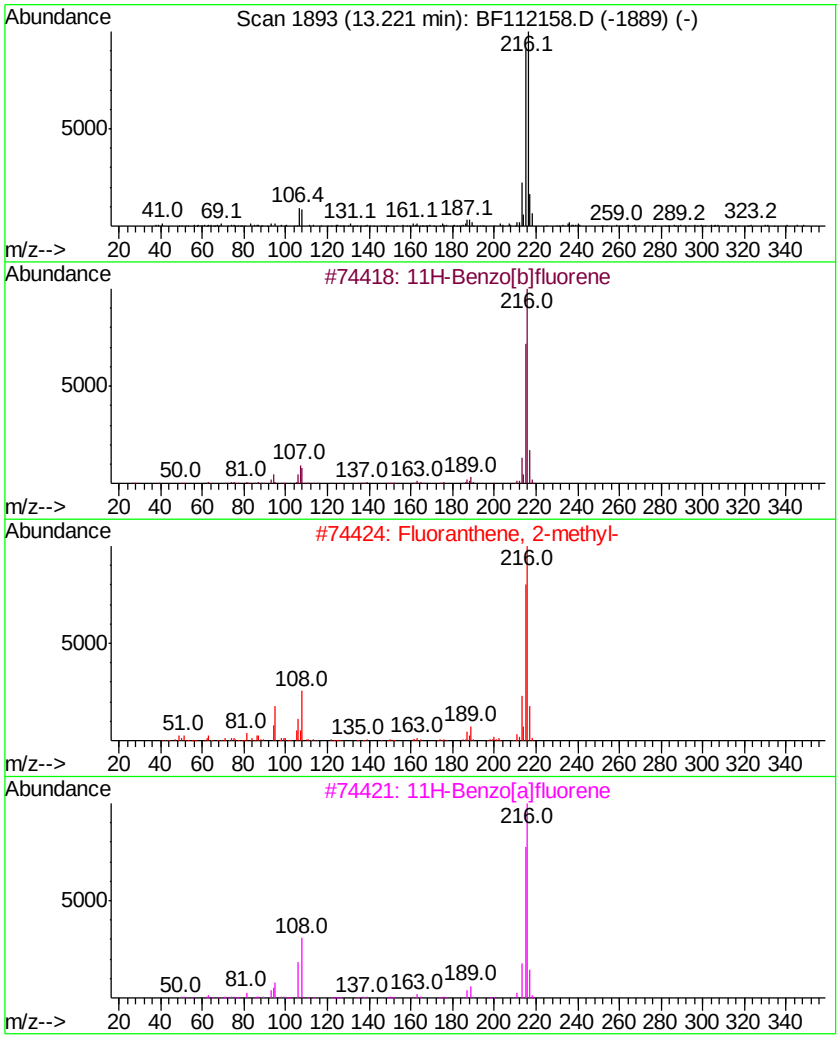
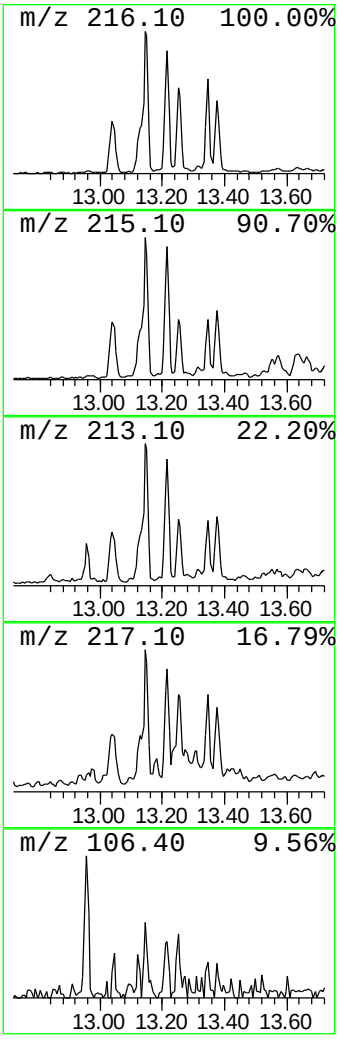
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	2.69 ng	407045	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112158.D
Acq On : 21 Jan 2019 15:01
Operator : JU/SJ
Sample : K1009-05 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-011819-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

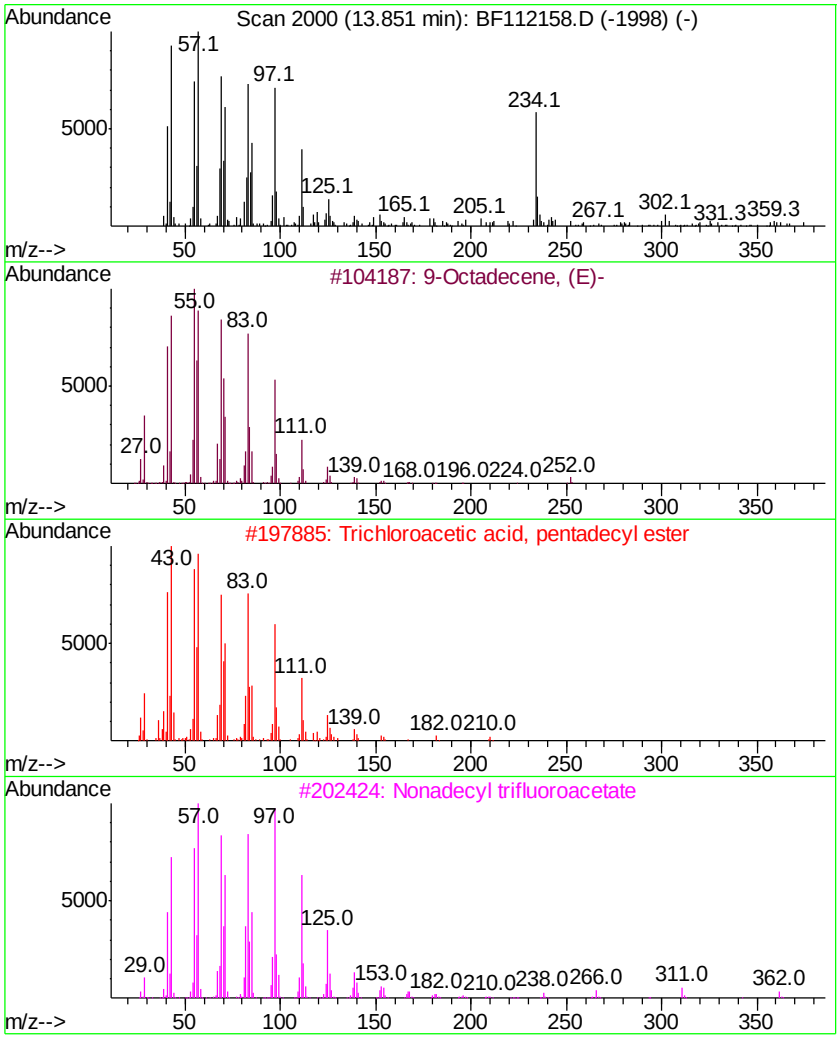
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

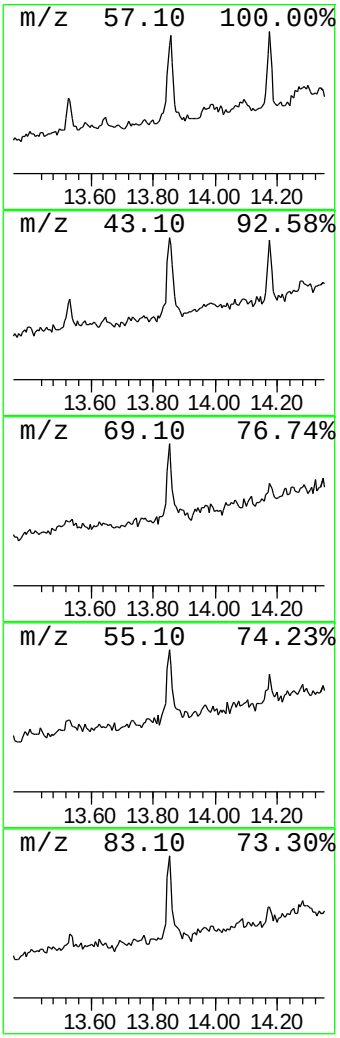
****

Peak Number 19 9-Octadecene, (E)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	3.04 ng	459049	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecene, (E)-	252	C18H36	007206-25-9	83
2	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	81
3	Nonadecyl trifluoroacetate	380	C21H39F3O2	1000351-76-3	81
4	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	76
5	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	74





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112158.D
Acq On : 21 Jan 2019 15:01
Operator : JU/SJ
Sample : K1009-05 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-011819-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

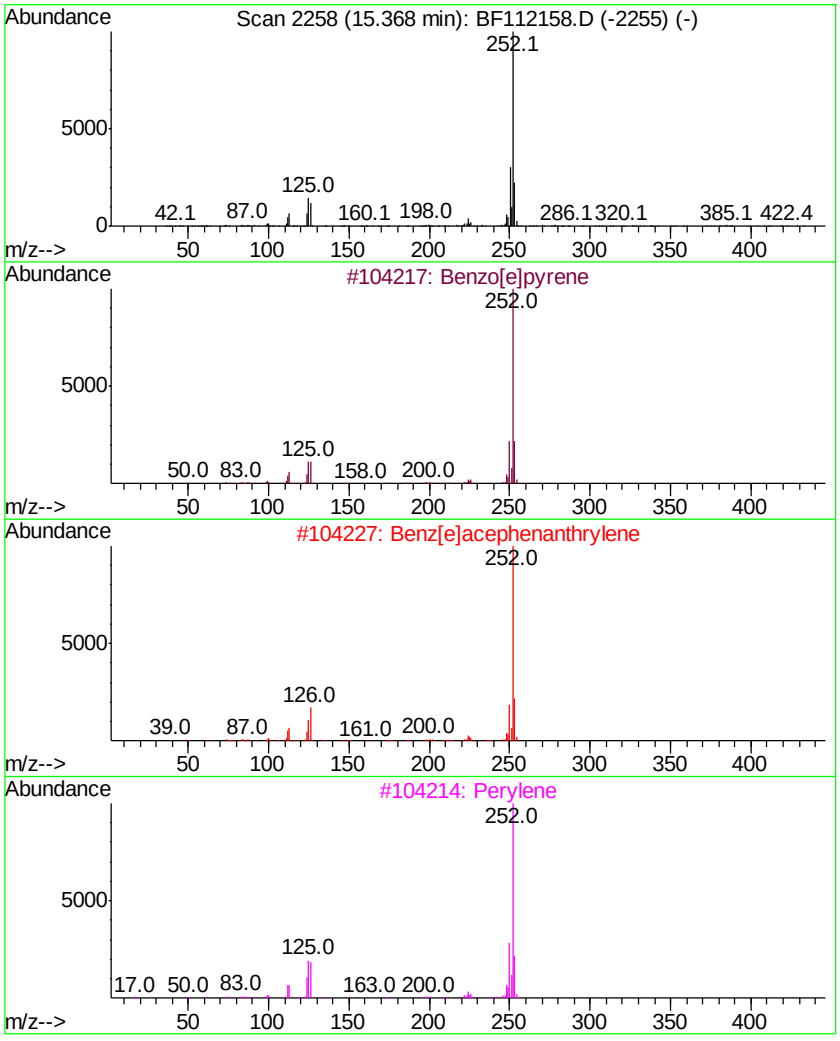
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

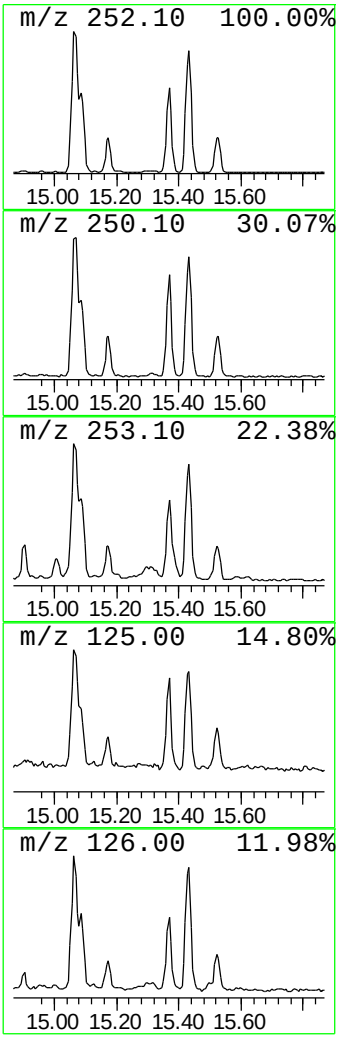
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	7.96 ng	710013	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
3	Perylene	252	C20H12	000198-55-0	96
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012119\
Data File : BF112158.D
Acq On : 21 Jan 2019 15:01
Operator : JU/SJ
Sample : K1009-05 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-011819-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.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
unknown6.63	6.63	35.1	ng	2792480	1	6.85	1590950	20.0
Naphthalene, 1,5-...	9.47	3.0	ng	250165	3	9.89	1665000	20.0
Naphthalene, 2,3-...	9.55	3.7	ng	310197	3	9.89	1665000	20.0
9H-Fluorene, 1-me...	10.99	2.7	ng	203679	4	11.37	1534200	20.0
Dibenzothiophene	11.27	3.0	ng	226823	4	11.37	1534200	20.0
Anthracene, 2-met...	11.90	7.1	ng	544907	4	11.37	1534200	20.0
Phenanthrene, 2-m...	11.95	3.1	ng	236413	4	11.37	1534200	20.0
4H-Cyclopenta[def...	11.99	11.9	ng	914376	4	11.37	1534200	20.0
1H-Cyclopropa[l]p...	12.01	3.8	ng	288124	4	11.37	1534200	20.0
5,16[1',2']:8,13[...	12.17	3.2	ng	245946	4	11.37	1534200	20.0
9,10-Dimethylanth...	12.43	5.4	ng	411866	4	11.37	1534200	20.0
Phenanthrene, 3,6...	12.46	4.6	ng	350579	4	11.37	1534200	20.0
Phenanthrene, 2,5...	12.52	3.7	ng	281094	4	11.37	1534200	20.0
Fluoranthene, 2-m...	13.04	3.4	ng	506499	5	14.02	3024150	20.0
Pyrene, 1-methyl-	13.15	3.9	ng	590557	5	14.02	3024150	20.0
11H-Benzo[b]fluorene	13.22	2.7	ng	407045	5	14.02	3024150	20.0
9-Octadecene, (E)-	13.85	3.0	ng	459049	5	14.02	3024150	20.0
Benzo[e]pyrene	15.37	8.0	ng	710013	6	15.49	1783200	20.0