LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112156.D
Acq On : 21 Jan 2019 14:05
Operator : JU/SJ
Sample : K1009-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

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	2.116	3	5	15	rVB	90791	126654	4.12%	0.201%
2	5.057	502	505	512	rBV	115910	135713	4.42%	0.216%
3	5.481	574	577	592	rBV	2552813	2374229	77.27%	3.776%
4	6.492	745	749	763	rBV	2917523	2533913	82.47%	4.029%
5	6.628	768	772	775	rVV	2913298	2687561	87.47%	4.274%
6	6.851	806	810	817	rBV	1975565	1585826	51.61%	2.522%
7	7.010	833	837	840	rBV	2446285	2137920	69.58%	3.400%
8	7.116	851	855	861	rBV2	30624	48579	1.58%	0.077%
9	7.410	901	905	910	rBV	1824190	1505329	48.99%	2.394%
10	7.886	978	986	989	rBV5	31025	57771	1.88%	0.092%
11	7.916	989	991	1004	rVB	33959	59071	1.92%	0.094%
12	8.133	1024	1028	1031	rBV	2456877	2123759	69.12%	3.377%
13	8.845	1146	1149	1154	rVB	491620	385909	12.56%	0.614%
14	8.945	1161	1166	1170	rBV	532978	434867	14.15%	0.692%
15	9.204	1206	1210	1214	rBV	3321790	3072647	100.00%	4.886%
16	9.310	1226	1228	1233	rVB	48762	47864	1.56%	0.076%
17	9.404	1242	1244	1249	rVB	123397	145065	4.72%	0.231%
18	9.475	1249	1256	1260	rBV	375665	517362	16.84%	0.823%
19	9.545	1264	1268	1271	rVV	645697	651774	21.21%	1.036%
20	9.575	1271	1273	1275	rVV	469739	365488	11.89%	0.581%
21	9.598	1275	1277	1282	rVV	235621	225173	7.33%	0.358%
22	9.663	1285	1288	1297	rVB	330805	410532	13.36%	0.653%
23	9.745	1300	1302	1307	rVB	290018	262984	8.56%	0.418%
24	9.886	1323	1326	1330	rVB	2211245	2061203	67.08%	3.278%
25	9.922	1330	1332	1335	rVB	460880	353212	11.50%	0.562%
26	9.951	1335	1337	1341	rVB2	66228	61317	2.00%	0.098%
27	9.992	1341	1344	1349	rBV2	164697	232832	7.58%	0.370%
28	10.033	1349	1351	1355	rBV2	63757	89837	2.92%	0.143%
29	10.092	1357	1361	1364	rVB	443782	417849	13.60%	0.664%
30	10.133	1364	1368	1371	rVB	274706	245872	8.00%	0.391%
31	10.204	1376	1380	1383	rBV	307875	302204	9.84%	0.481%
32	10.233	1383	1385	1388	rVB	206376	149378	4.86%	0.238%
33	10.298	1391	1396	1397	rBV2	184412	252236	8.21%	0.401%
34	10.316	1397	1399	1401	rVB	216950	162282	5.28%	0.258%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112156.D
Acq On : 21 Jan 2019 14:05
Operator : JU/SJ
Sample : K1009-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

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	10.345	1401	1404	1406	rBV	42997	43228	1.41%	0.069%
36	10.386	1409	1411	1413	rVB	147827	100715	3.28%	0.160%
37	10.433	1416	1419	1425	rVB2	726016	731524	23.81%	1.163%
38	10.498	1425	1430	1432	rBV3	143632	204580	6.66%	0.325%
39	10.522	1432	1434	1436	rVV2	123597	100847	3.28%	0.160%
40	10.545	1436	1438	1441	rVV2	114738	97681	3.18%	0.155%
41	10.592	1442	1446	1450	rVB2	159086	188044	6.12%	0.299%
42	10.675	1455	1460	1464	rBV	1798031	1702699	55.41%	2.708%
43	10.710	1464	1466	1472	rVB3	61844	93955	3.06%	0.149%
44	10.804	1476	1482	1488	rVB2	192086	252925	8.23%	0.402%
45	10.874	1491	1494	1497	rBV	92935	90867	2.96%	0.144%
46	10.904	1497	1499	1505	rVB5	39821	53985	1.76%	0.086%
47	10.980	1507	1512	1515	rBV2	306113	418816	13.63%	0.666%
48	11.010	1515	1517	1520	rVB	243696	199073	6.48%	0.317%
49	11.069	1524	1527	1530	rVB	224328	194317	6.32%	0.309%
50	11.116	1530	1535	1537	rBV2	123890	206541	6.72%	0.328%
51	11.180	1543	1546	1549	rVV3	86415	80868	2.63%	0.129%
52	11.227	1551	1554	1558	rVV4	90223	138231	4.50%	0.220%
53	11.269	1558	1561	1566	rVB	295723	292558	9.52%	0.465%
54	11.374	1575	1579	1581	rBV	2077960	1817192	59.14%	2.890%
55	11.398	1581	1583	1587	rVV	2651990	2262220	73.62%	3.597%
56	11.451	1589	1592	1595	rVV	701634	589195	19.18%	0.937%
57	11.486	1595	1598	1601	rVV2	200610	250689	8.16%	0.399%
58	11.510	1601	1602	1604	rVV	107575	86829	2.83%	0.138%
59	11.527	1604	1605	1608	rVV	106230	119547	3.89%	0.190%
60	11.604	1616	1618	1624	rVV3	134725	231406	7.53%	0.368%
61	11.669	1626	1629	1631	rVV2	111721	109872	3.58%	0.175%
62	11.704	1631	1635	1639	rVB2	242763	258870	8.42%	0.412%
63	11.786	1647	1649	1654	rBV	130829	140409	4.57%	0.223%
64	11.874	1661	1664	1667	rVV	667357	684904	22.29%	1.089%
65	11.904	1667	1669	1674	rVV	922354	797749	25.96%	1.269%
66	11.951	1674	1677	1680	rVV2	285938	293245	9.54%	0.466%
67	11.986	1680	1683	1686	rVV2	999880	1180570	38.42%	1.877%
68	12.010	1686	1687	1691	rVB	617948	427363	13.91%	0.680%
69	12.110	1702	1704	1707	rVB	138220	97982	3.19%	0.156%
70	12.169	1711	1714	1717	rBV	296222	269743	8.78%	0.429%
71	12.245	1725	1727	1729	rBV	63389	60708	1.98%	0.097%

LSC Area Percent Report

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Acq On : 21 Jan 2019 14:05
Operator : JU/SJ
Sample : K1009-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

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	12.304	1734	1737	1738	rBV	126284	112085	3.65%	0.178%
73	12.321	1738	1740	1742	rVV	168917	124436	4.05%	0.198%
74	12.351	1742	1745	1747	rVV	217125	178582	5.81%	0.284%
75	12.374	1747	1749	1752	rVB2	148476	130935	4.26%	0.208%
76	12.427	1755	1758	1761	rBV	611211	603669	19.65%	0.960%
77	12.463	1761	1764	1766	rVV2	327560	399931	13.02%	0.636%
78	12.516	1770	1773	1777	rBV3	223043	378646	12.32%	0.602%
79	12.592	1782	1786	1789	rBV	2358505	2034603	66.22%	3.235%
80	12.633	1791	1793	1795	rBV	107405	91499	2.98%	0.146%
81	12.745	1809	1812	1814	rBV3	133248	129191	4.20%	0.205%
82	12.821	1819	1825	1831	rBV	2333512	2777013	90.38%	4.416%
83	12.874	1832	1834	1838	rVB3	174230	181859	5.92%	0.289%
84	12.933	1842	1844	1845	rBV	145111	112806	3.67%	0.179%
85	12.957	1845	1848	1851	rVV	2384514	1931088	62.85%	3.071%
86	13.033	1858	1861	1865	rBV3	250757	367682	11.97%	0.585%
87	13.092	1869	1871	1873	rBV2	115671	89657	2.92%	0.143%
88	13.145	1874	1880	1883	rVB	562045	700940	22.81%	1.115%
89	13.216	1889	1892	1894	rVB	373895	337342	10.98%	0.536%
90	13.251	1895	1898	1902	rBV2	455473	478123	15.56%	0.760%
91	13.345	1911	1914	1917	rVV	404339	337153	10.97%	0.536%
92	13.374	1917	1919	1922	rVB	416843	378929	12.33%	0.603%
93	14.015	2024	2028	2031	rBV2	2117383	2766123	90.02%	4.399%
94	14.045	2031	2033	2040	rVB	1069599	1086542	35.36%	1.728%
95	14.527	2113	2115	2117	rBV	295326	278761	9.07%	0.443%
96	15.062	2203	2206	2213	rVB	648998	1215110	39.55%	1.932%
97	15.121	2213	2216	2220	rVB	592347	653133	21.26%	1.039%
98	15.427	2265	2268	2274	rVB	580653	781057	25.42%	1.242%
99	15.492	2275	2279	2286	rBV2	1331524	2117724	68.92%	3.368%
100	15.939	2352	2355	2360	rVB	742914	1015341	33.04%	1.615%

Sum of corrected areas: 62884119

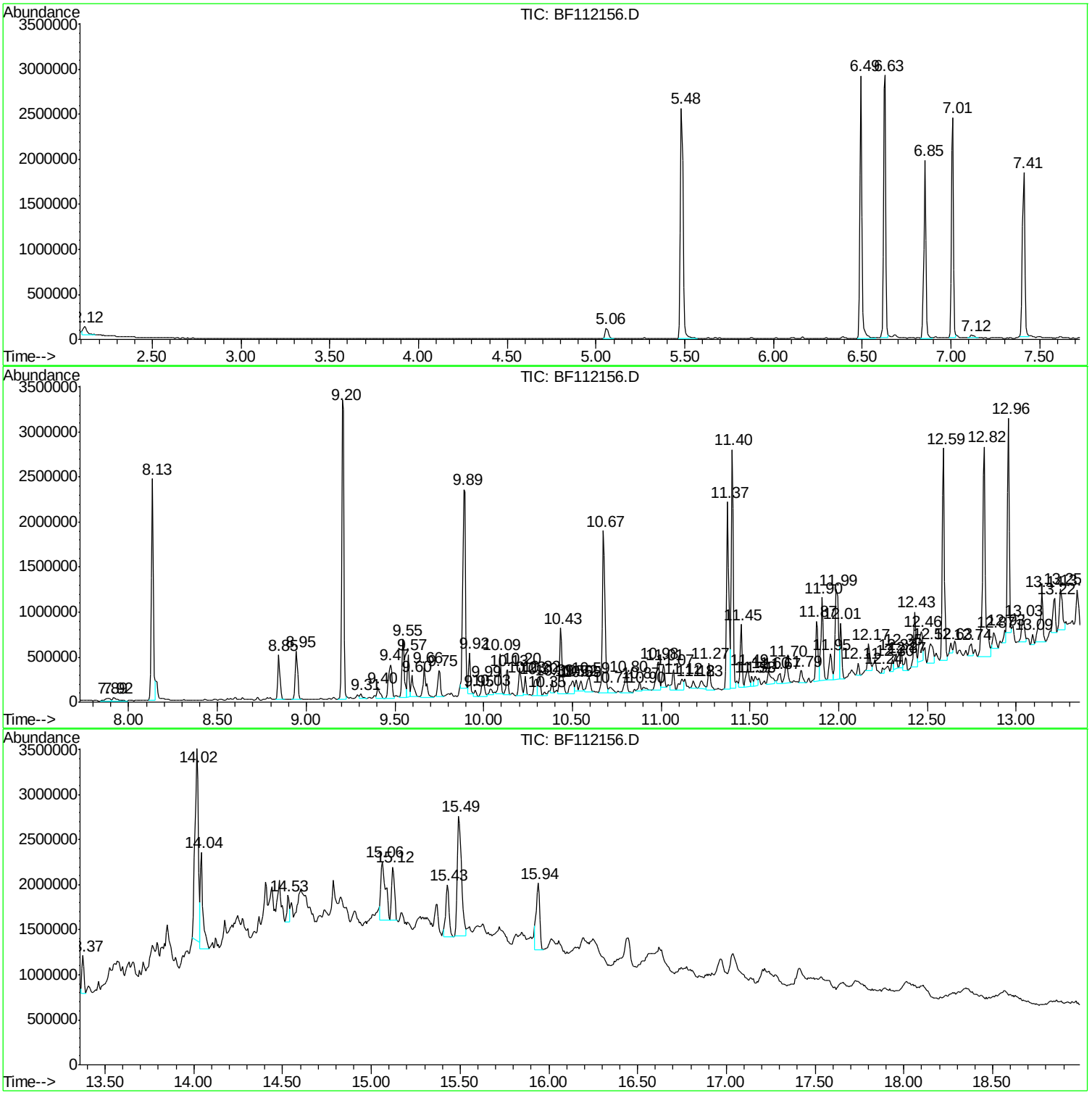
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112156.D
Acq On : 21 Jan 2019 14:05
Operator : JU/SJ
Sample : K1009-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

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 : BF112156.D
Acq On : 21 Jan 2019 14:05
Operator : JU/SJ
Sample : K1009-01 2X
Misc :
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Instrument : BNA_F
ClientSampleId : CL-01-011819-A

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

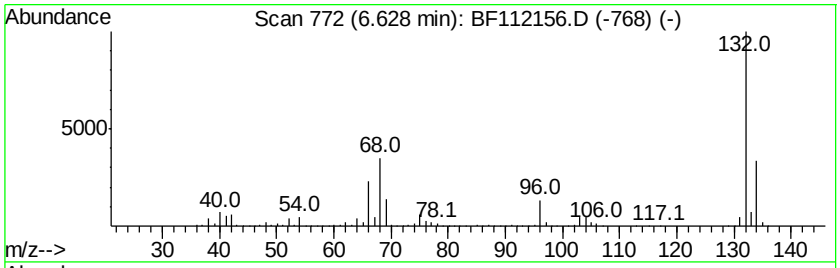
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

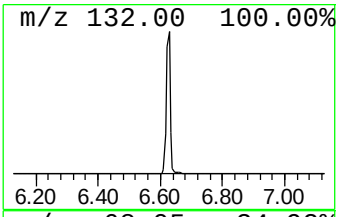
****

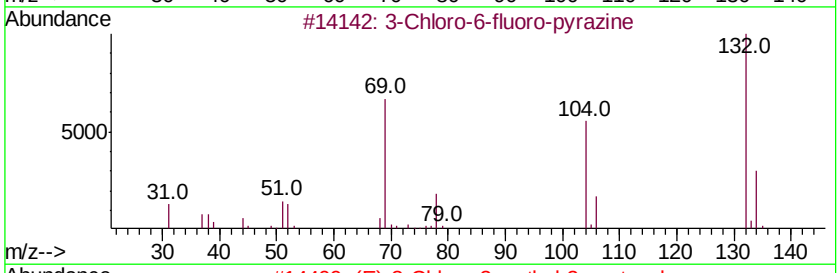
Peak Number 1 unknown6.63 Concentration Rank 1

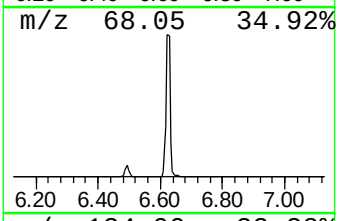
R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	33.89 ng	2687560	1,4-Dichlorobenzene-d4	6.85

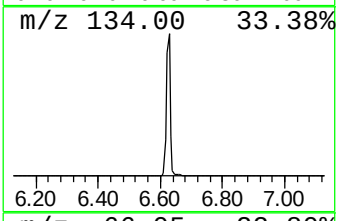
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	9
4	Xenon	132	Xe	007440-63-3	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9

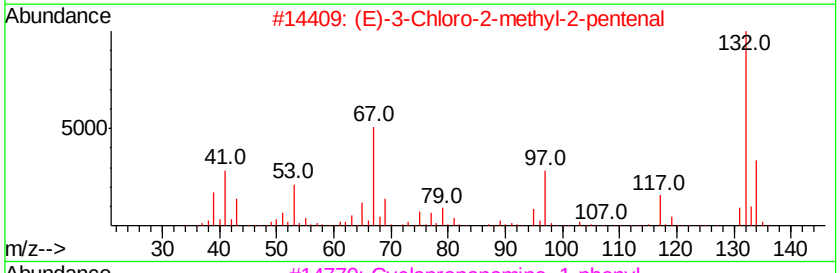


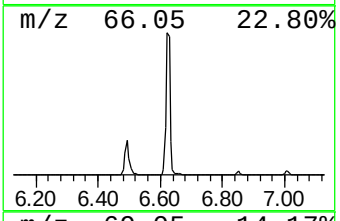


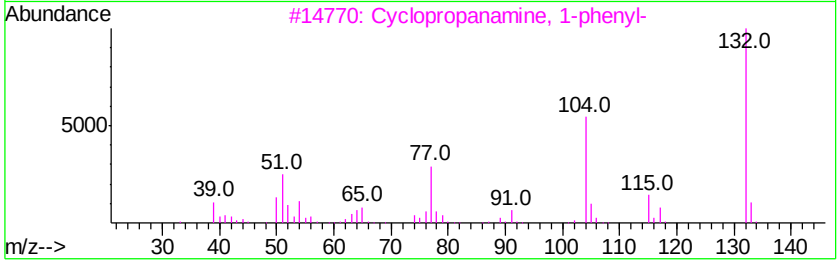


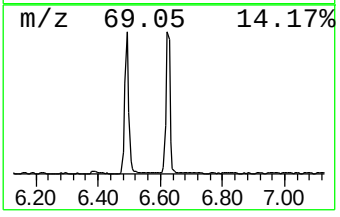












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Instrument : BNA_F
ClientSampleId : CL-01-011819-A

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

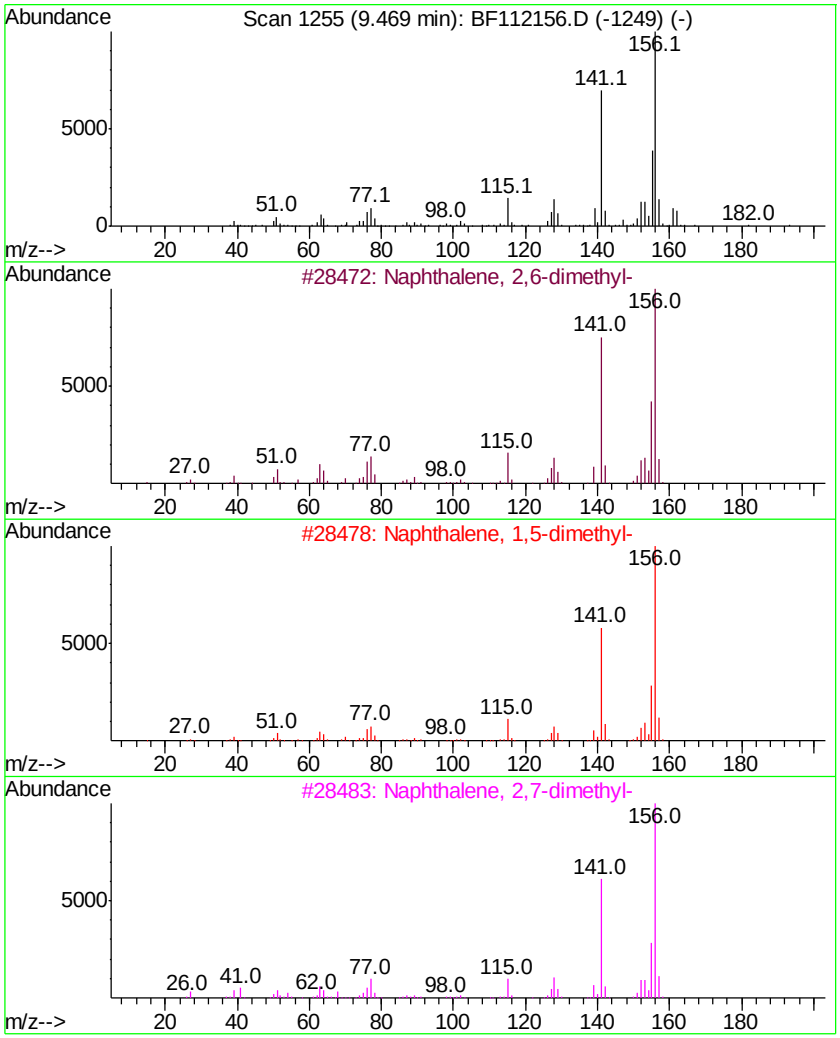
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 3 Naphthalene, 2,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	5.02 ng	517362	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96



m/z 156.05 100.00%

m/z 141.05 69.50%

m/z 155.10 39.14%

m/z 115.05 14.21%

m/z 157.10 13.99%

Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112156.D
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Misc :
ALS Vial : 7 Sample Multiplier: 1

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

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

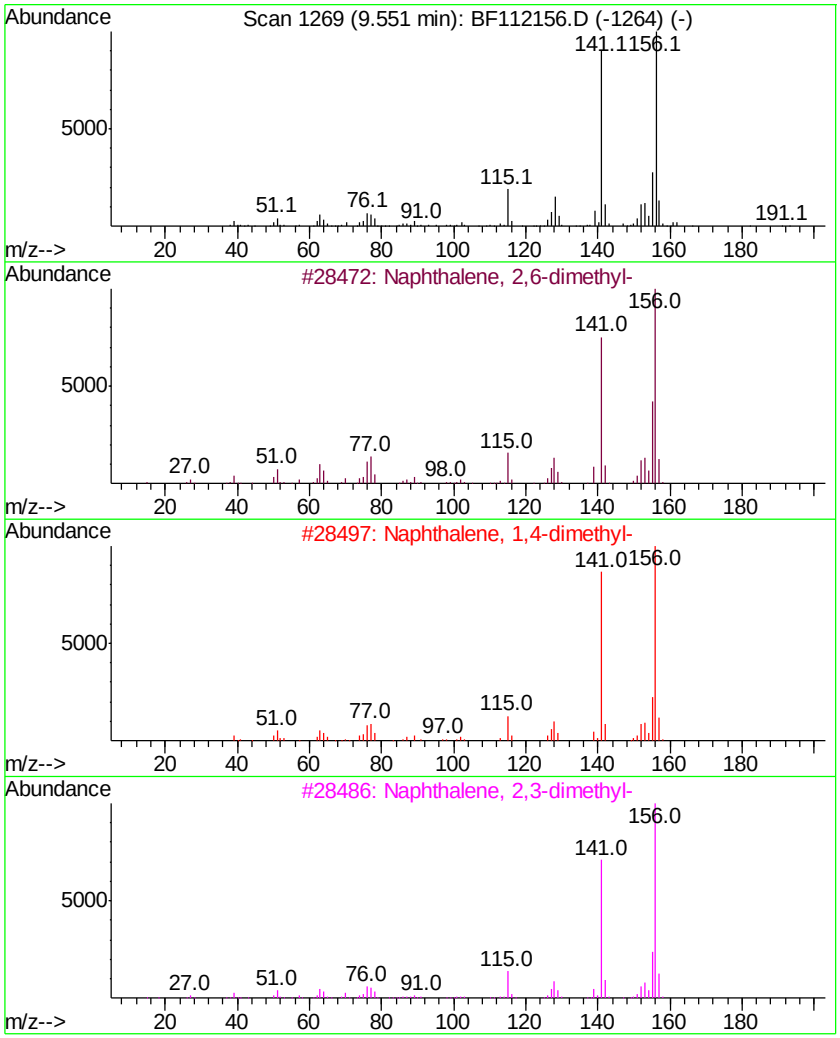
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

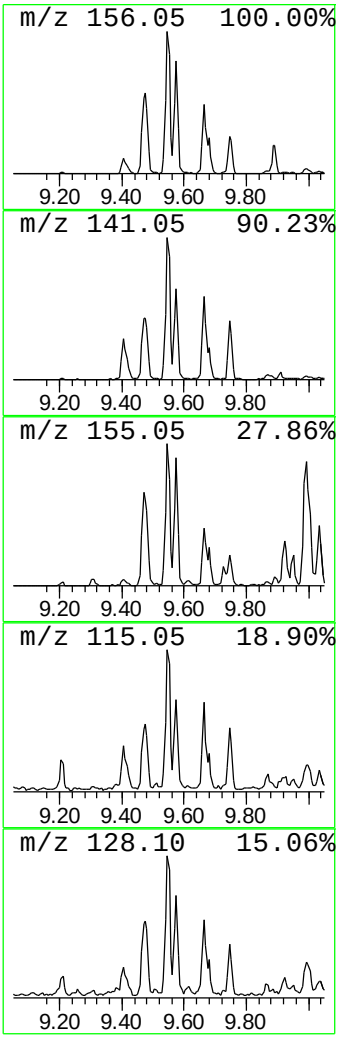
****

Peak Number 4 Naphthalene, 1,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.55	6.32 ng	651774	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112156.D
Acq On : 21 Jan 2019 14:05
Operator : JU/SJ
Sample : K1009-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

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

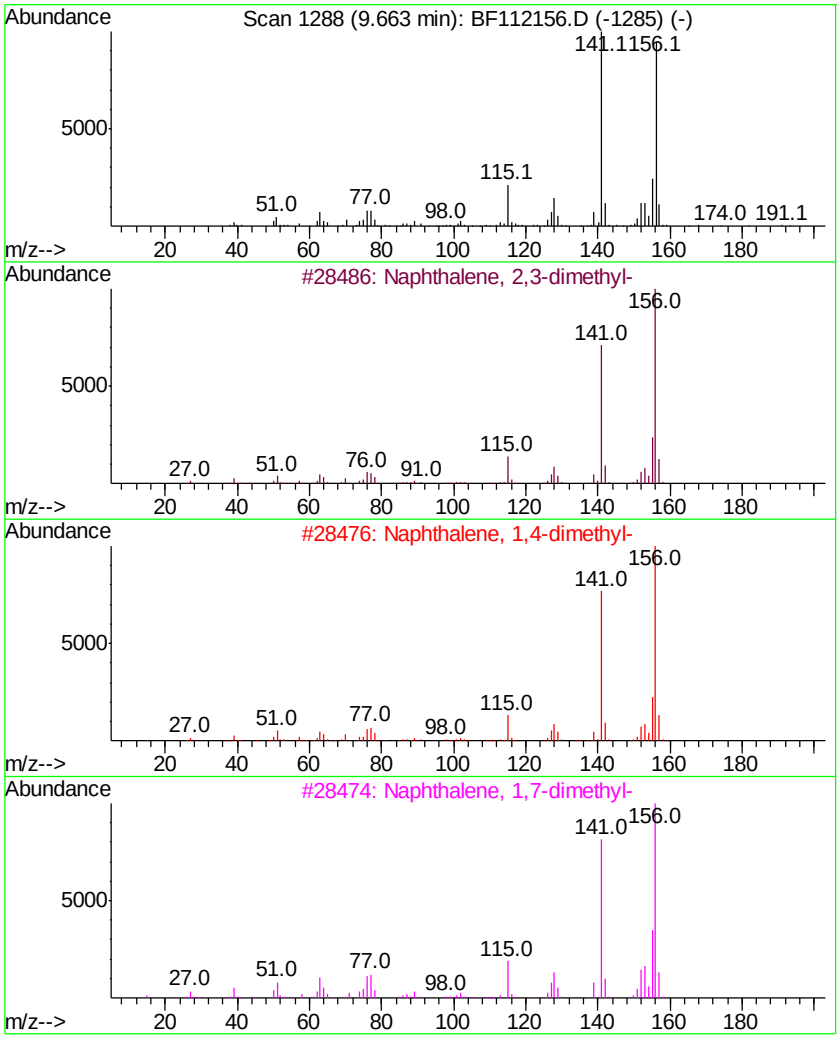
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

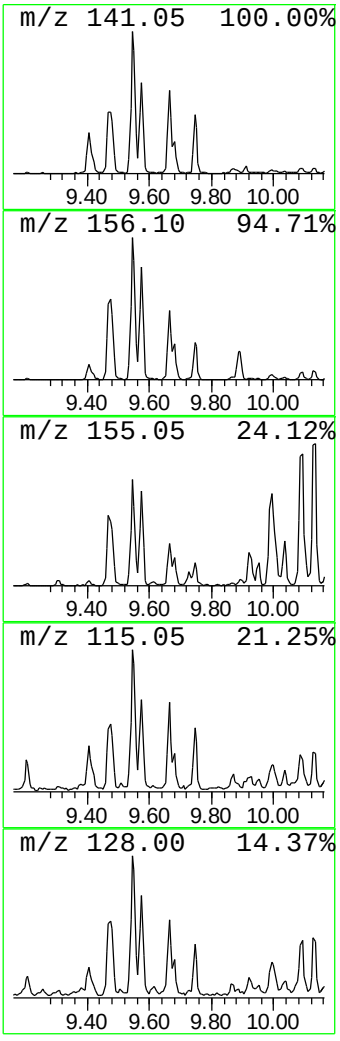
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.66	3.98 ng	410532	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, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	95





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Data File : BF112156.D
Acq On : 21 Jan 2019 14:05
Operator : JU/SJ
Sample : K1009-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

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

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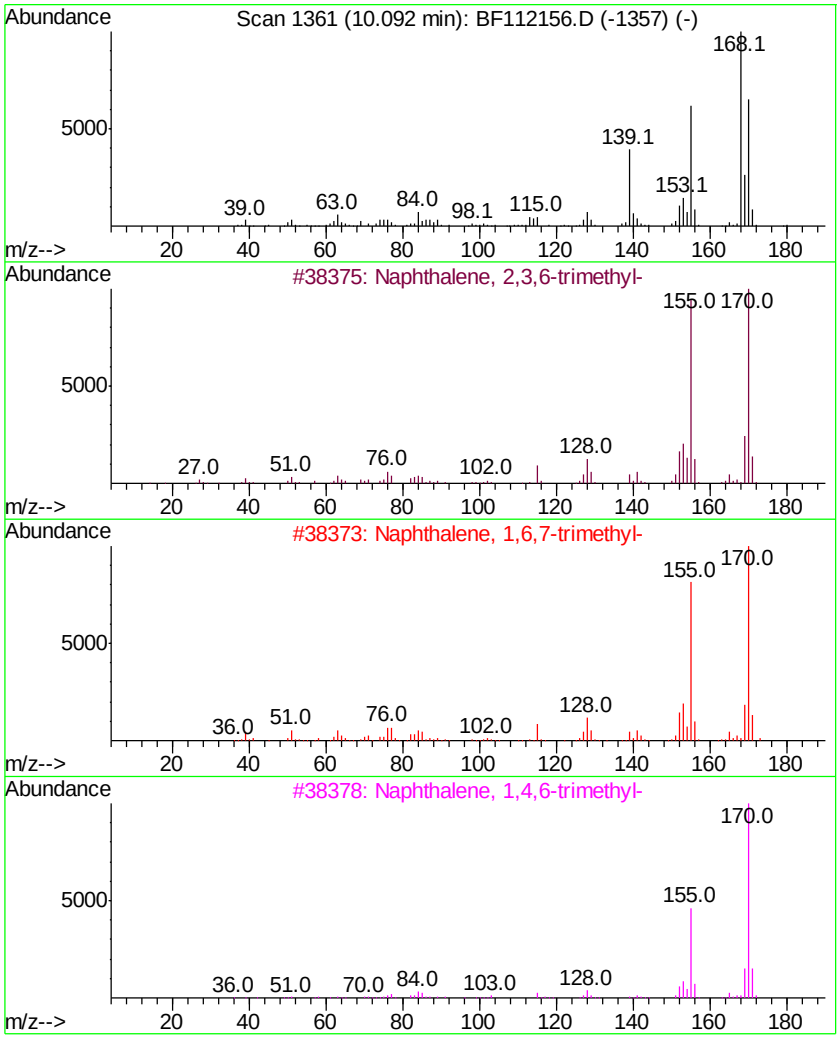
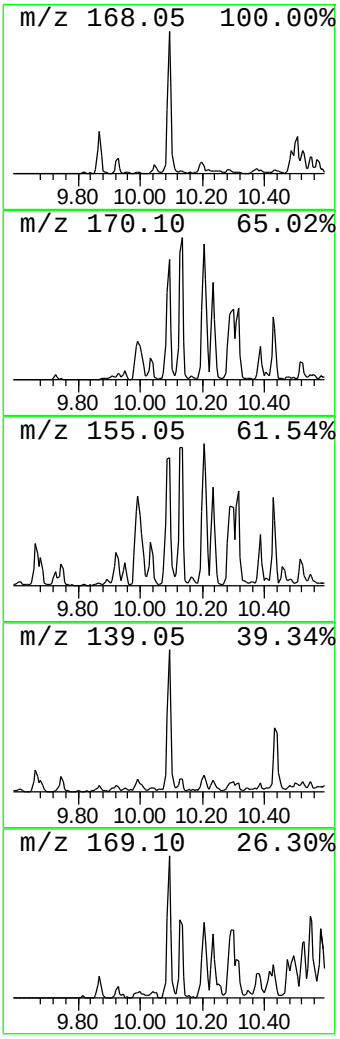
Peak Number 6 Naphthalene, 2,3,6-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.09	4.05 ng	417849	Acenaphthene-d10	9.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	89
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	52
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	46
5	Dibenzofuran	168	C12H8O	000132-64-9	43





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Operator : JU/SJ
Sample : K1009-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

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

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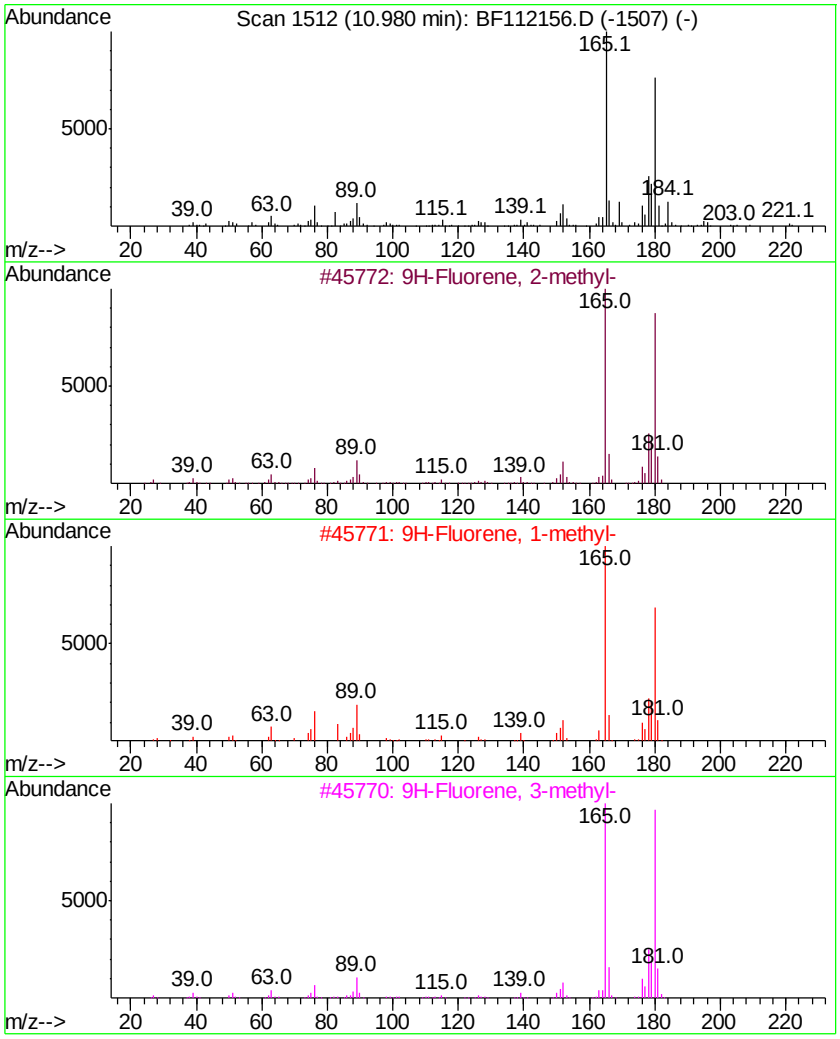
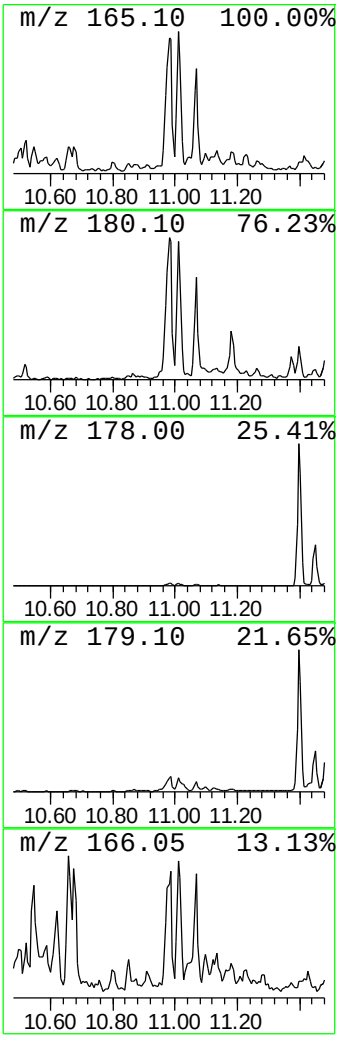
Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.98	4.61 ng	418816	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	95
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	64





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Operator : JU/SJ
Sample : K1009-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

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

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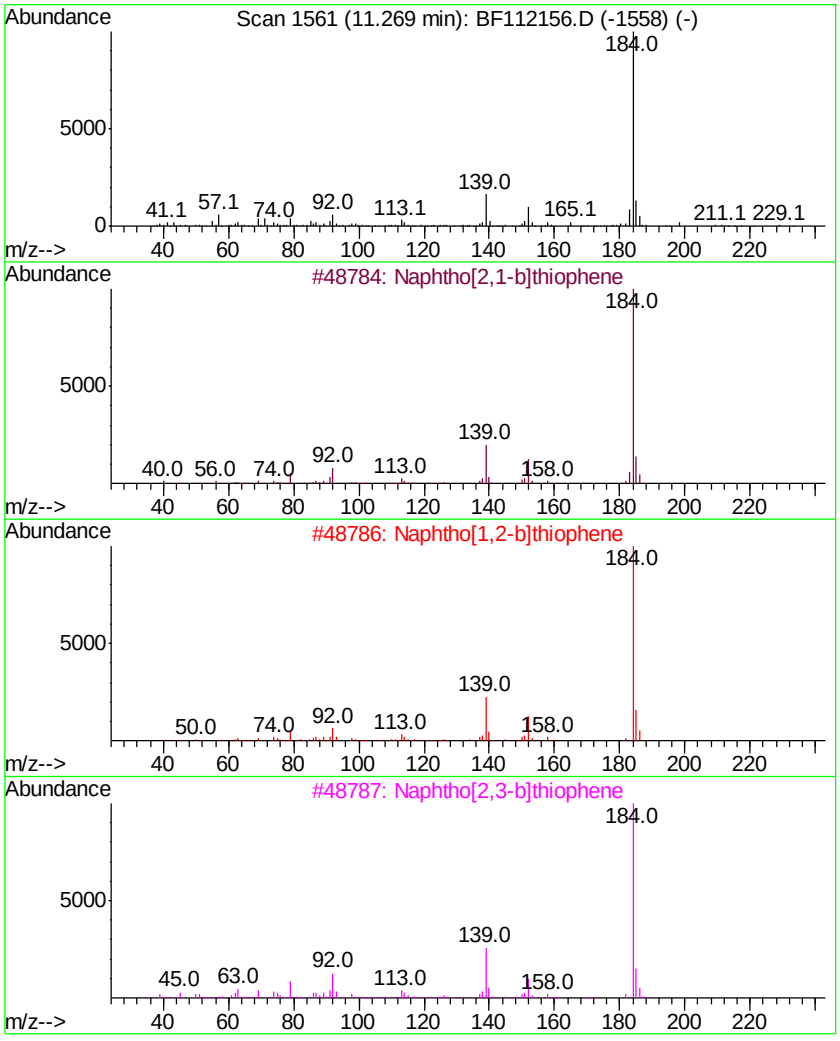
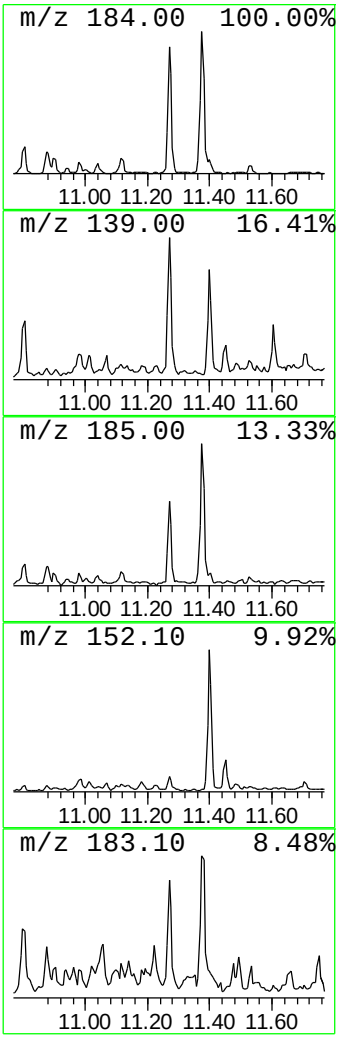
Peak Number 8 Naphtho[2,1-b]thiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	3.22 ng	292558	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Library Search Compound Report

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Data File : BF112156.D
Acq On : 21 Jan 2019 14:05
Operator : JU/SJ
Sample : K1009-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

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

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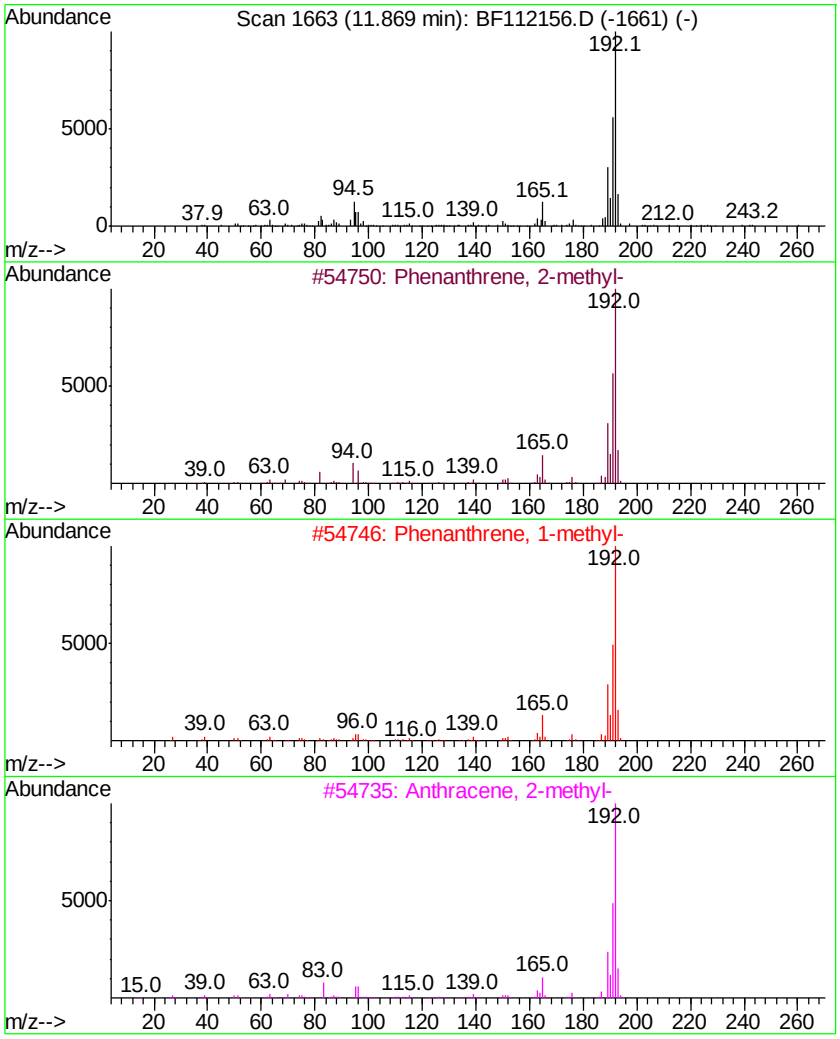
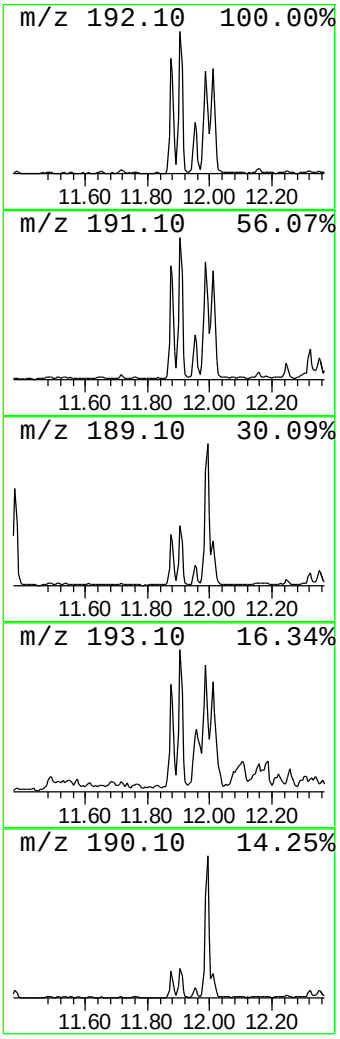
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	7.54 ng	684904	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Operator : JU/SJ
Sample : K1009-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

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

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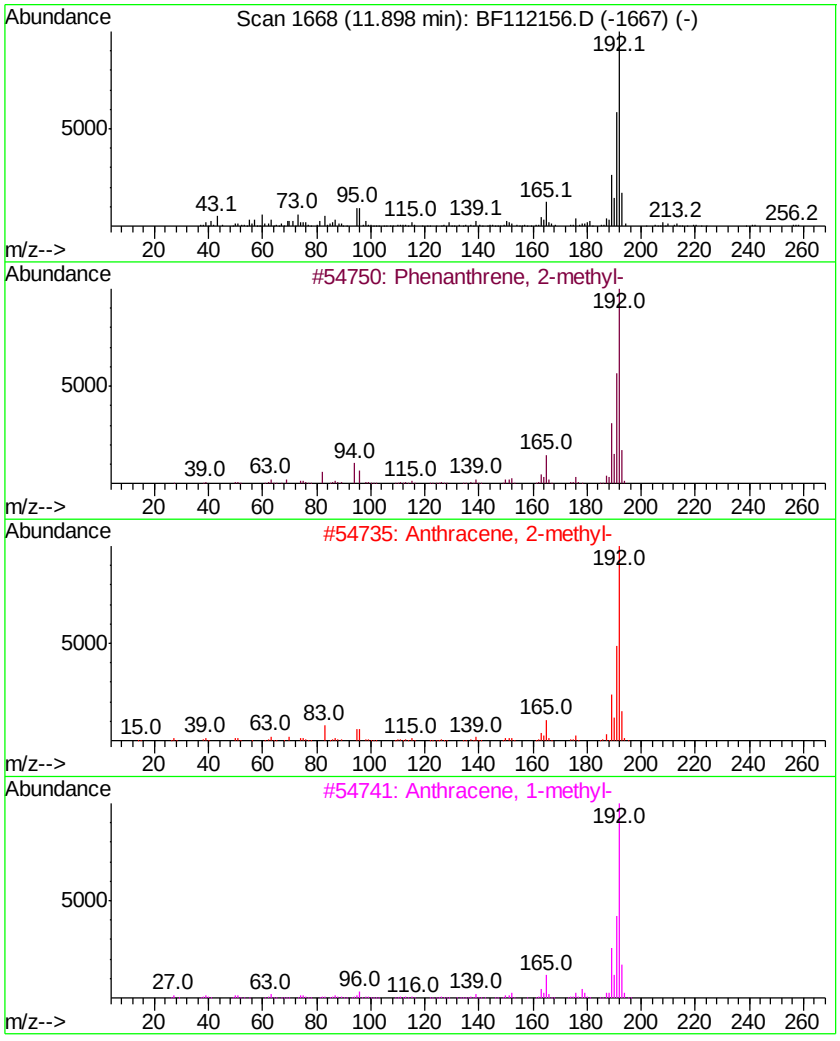
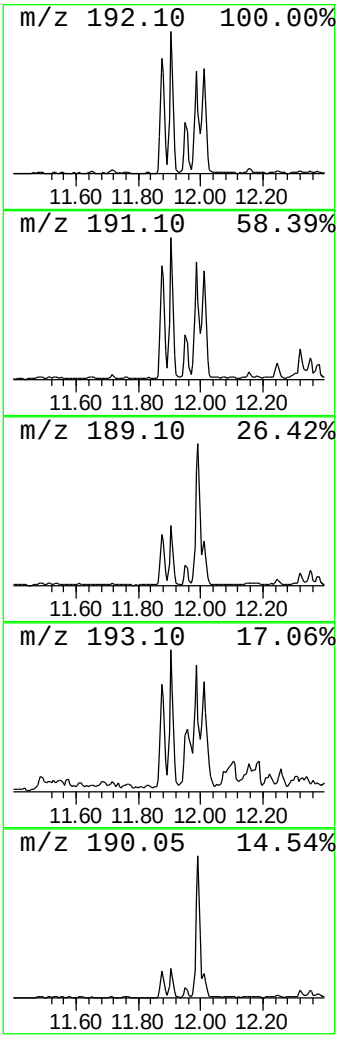
Peak Number 10 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	8.78 ng	797749	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Acq On : 21 Jan 2019 14:05
Operator : JU/SJ
Sample : K1009-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

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

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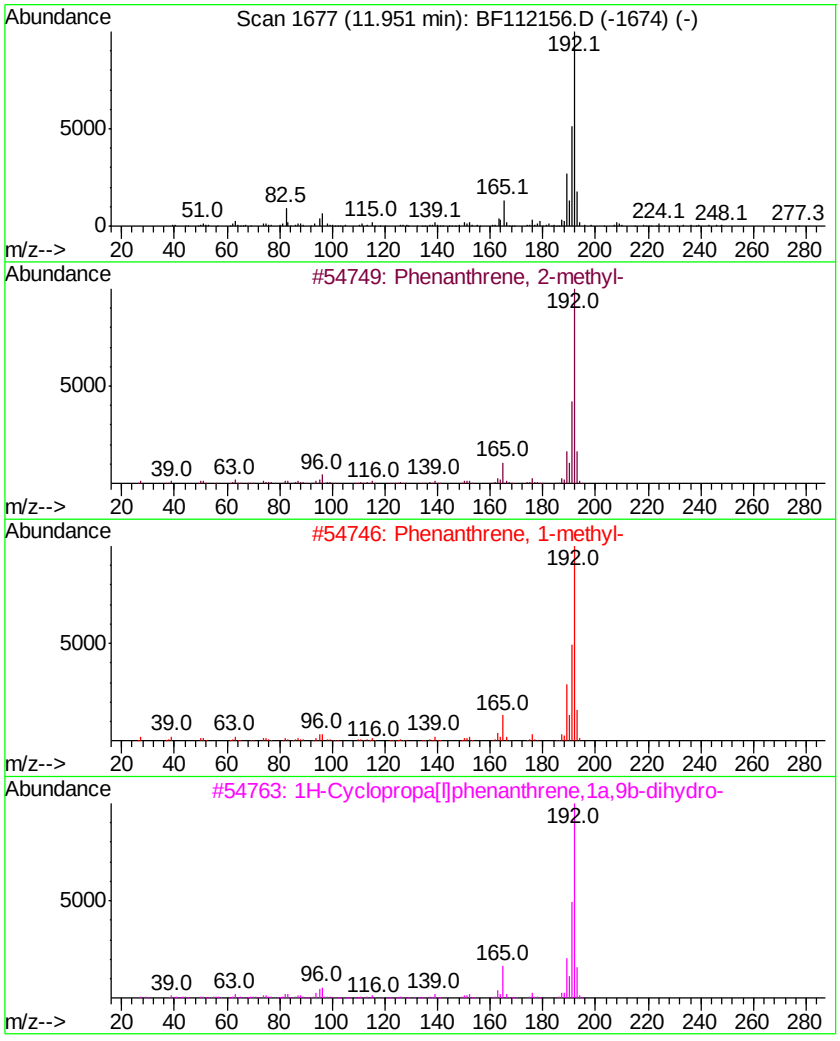
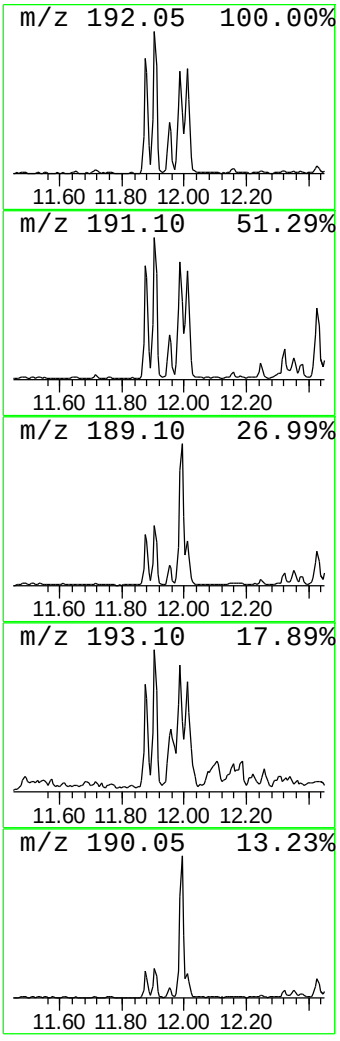
Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	3.23 ng	293245	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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Data File : BF112156.D
Acq On : 21 Jan 2019 14:05
Operator : JU/SJ
Sample : K1009-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

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

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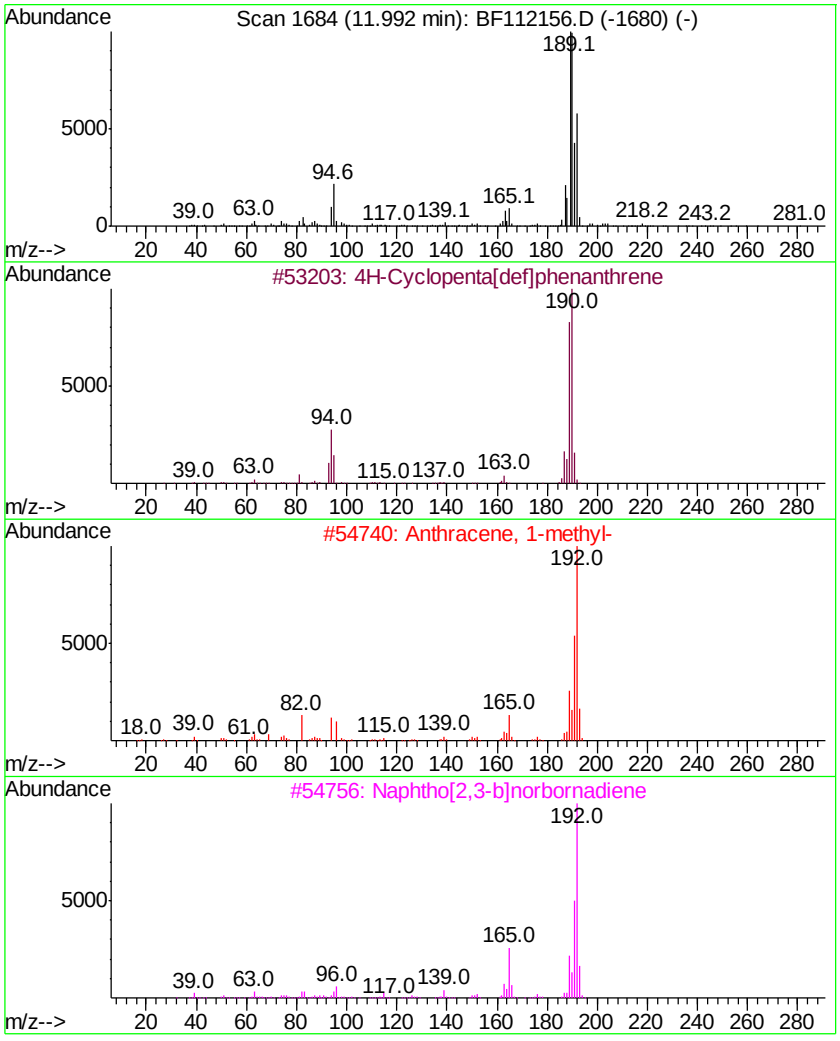
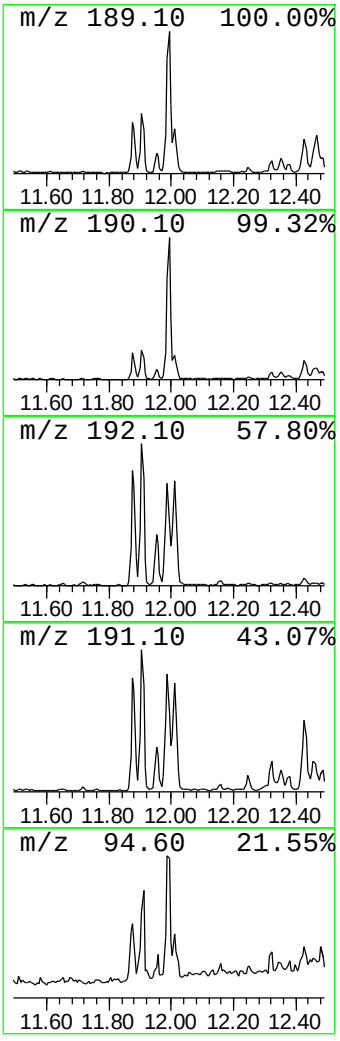
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	12.99 ng	1180570	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	50
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	46





Library Search Compound Report

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Operator : JU/SJ
Sample : K1009-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

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

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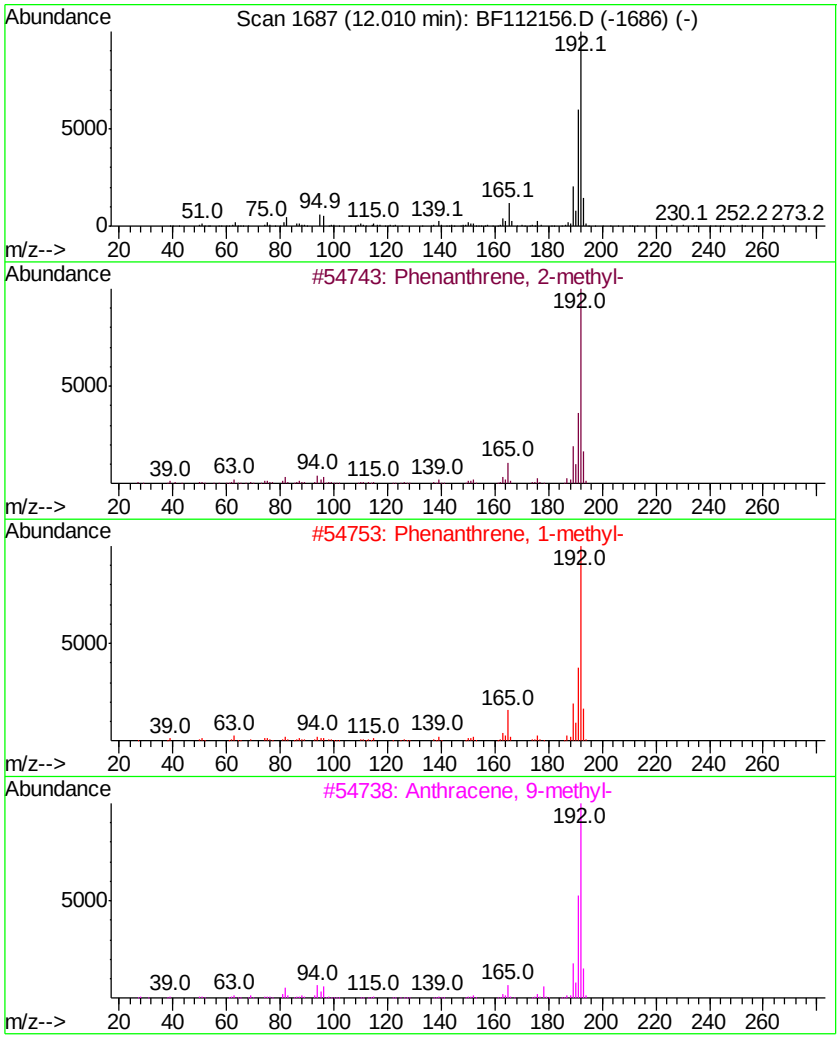
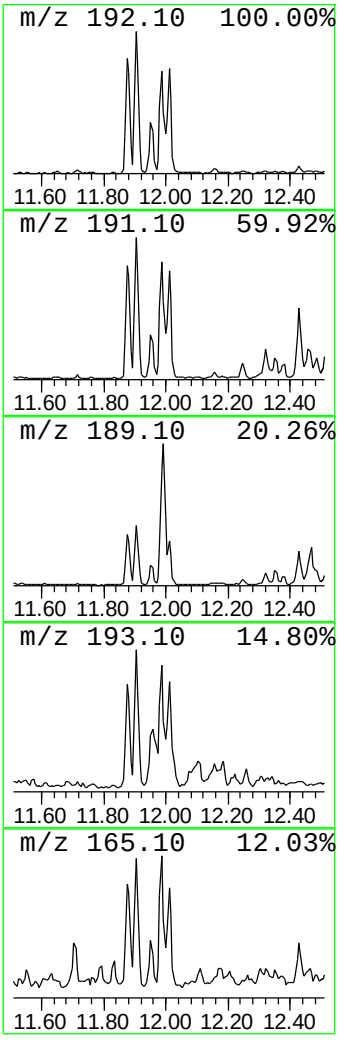
Peak Number 13 1H-Indene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	4.70 ng	427363	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Library Search Compound Report

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Acq On : 21 Jan 2019 14:05
Operator : JU/SJ
Sample : K1009-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

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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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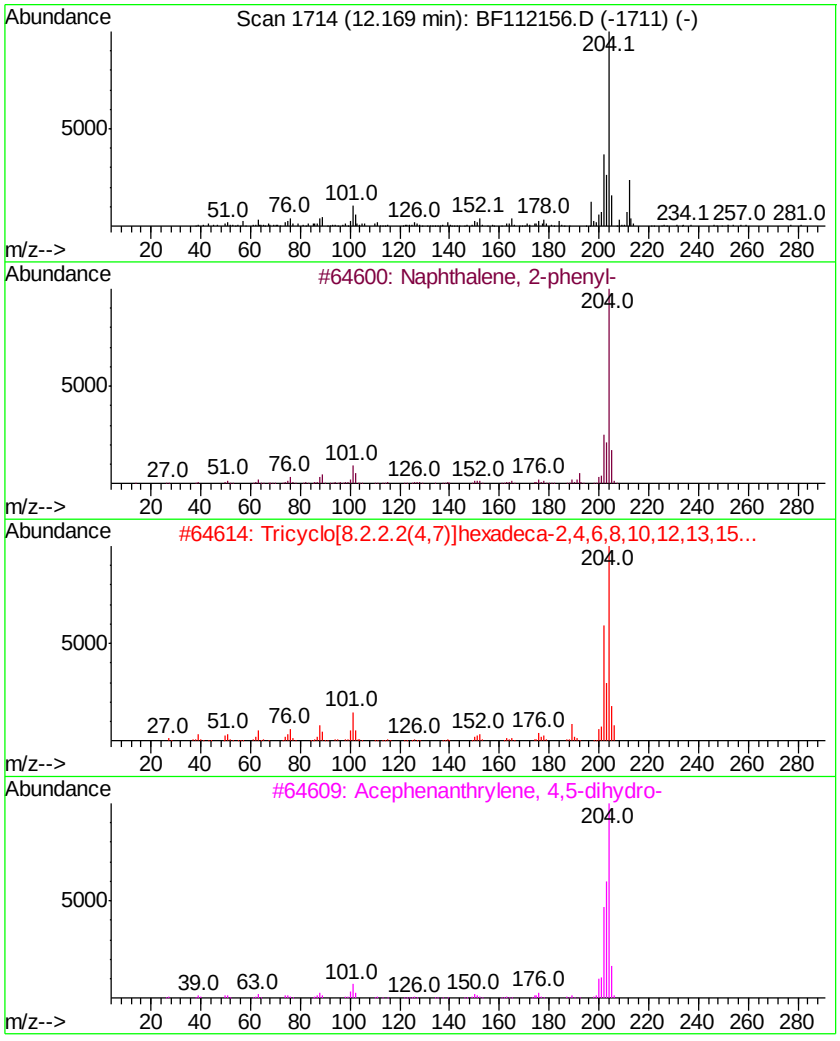
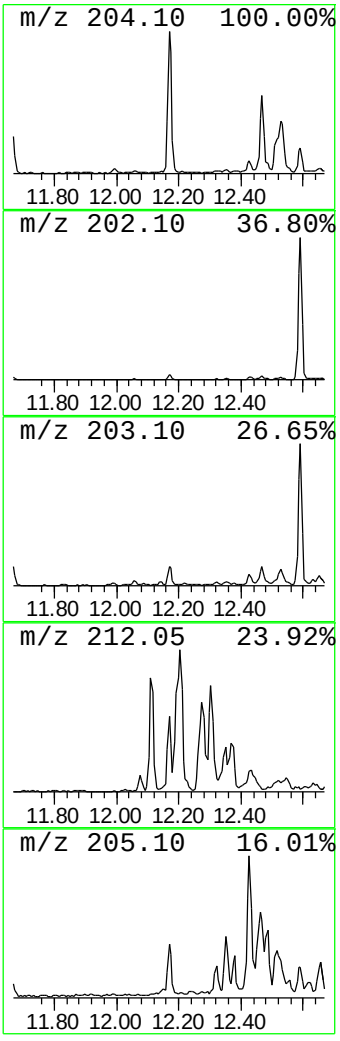
Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	2.97 ng	269743	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
3	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	55
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	46
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	46





Library Search Compound Report

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Sample : K1009-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

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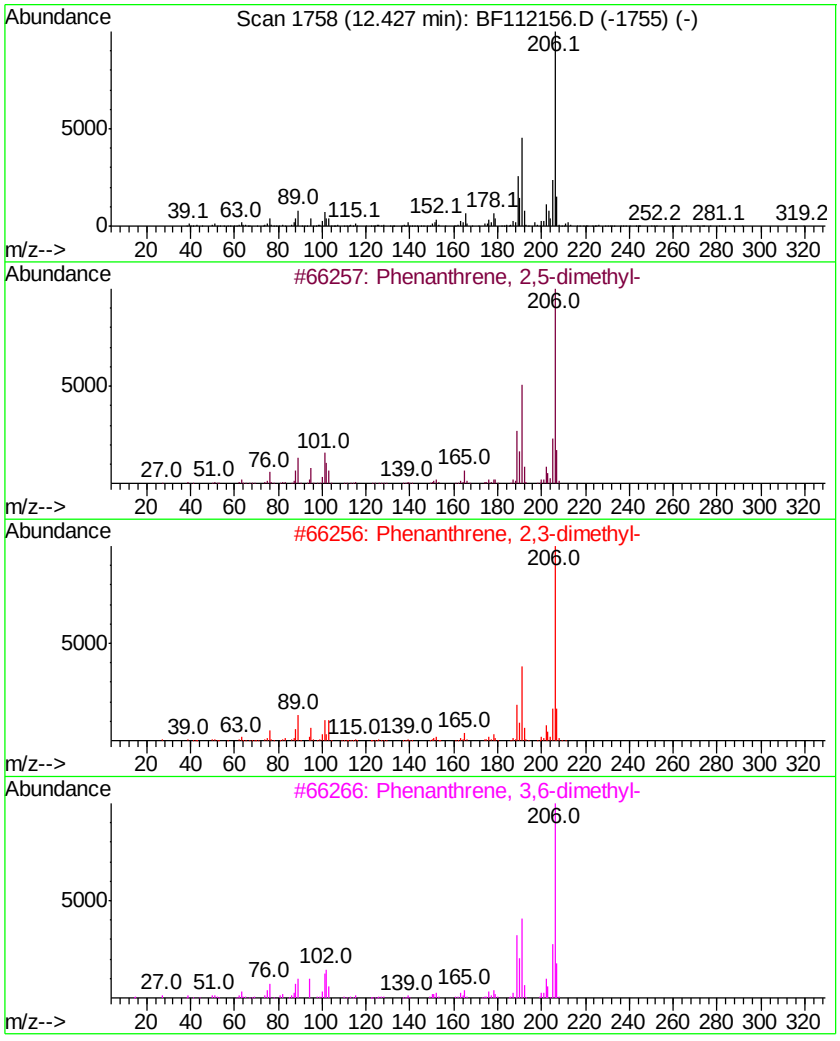
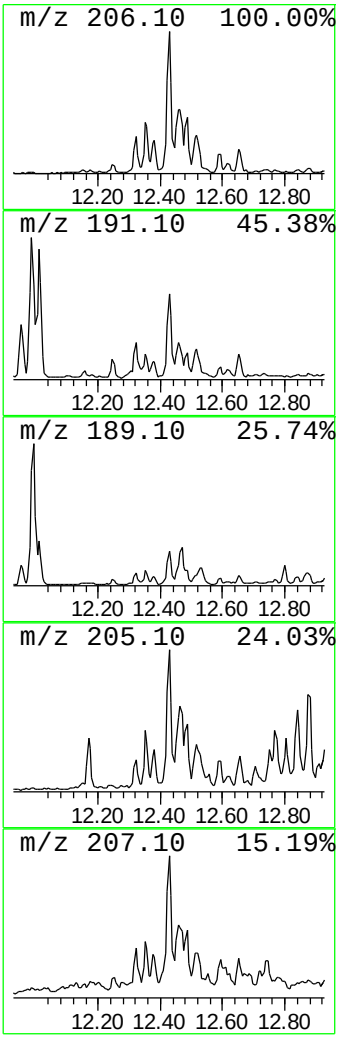
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	6.64 ng	603669	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





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Sample : K1009-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

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ClientSampleId : CL-01-011819-A

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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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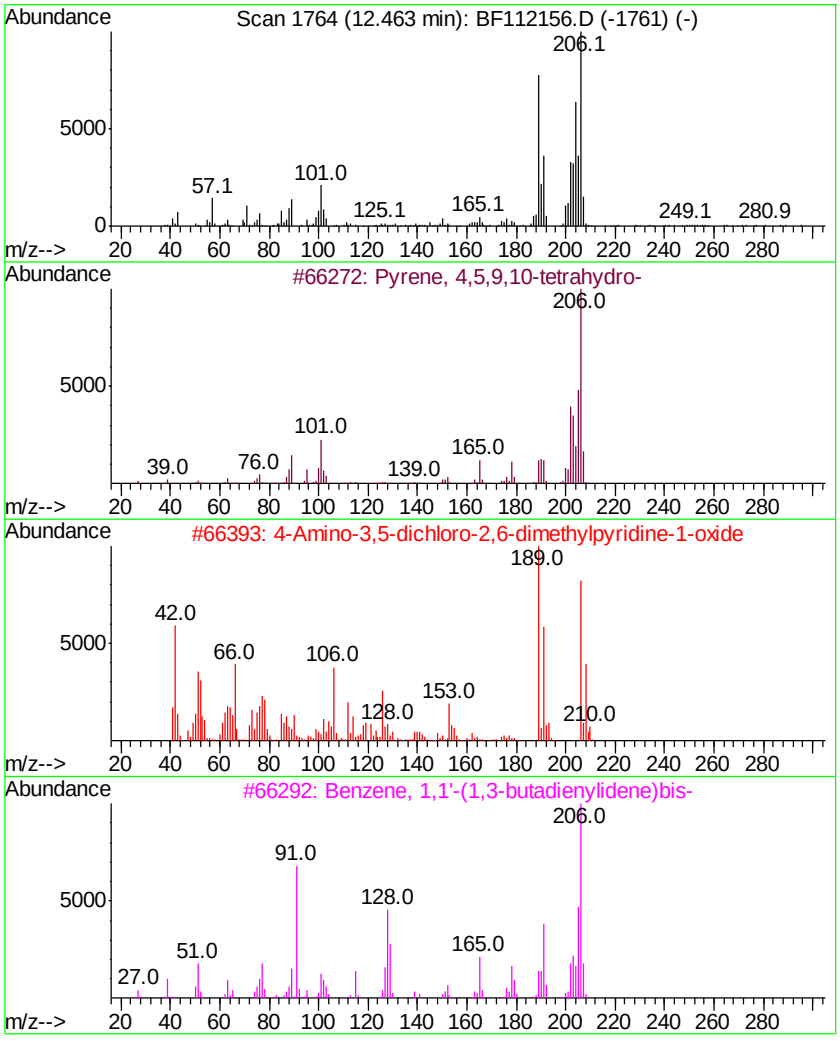
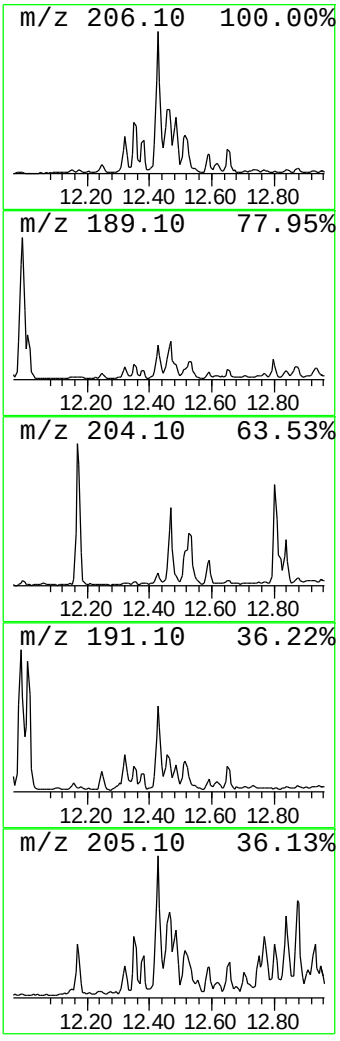
Peak Number 16 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	4.40 ng	399931	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	60
2	4-Amino-3,5-dichloro-2,6-dimethy...	206	C7H8Cl2N2O	1000227-19-9	46
3	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	41
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	41
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112156.D
Acq On : 21 Jan 2019 14:05
Operator : JU/SJ
Sample : K1009-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

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

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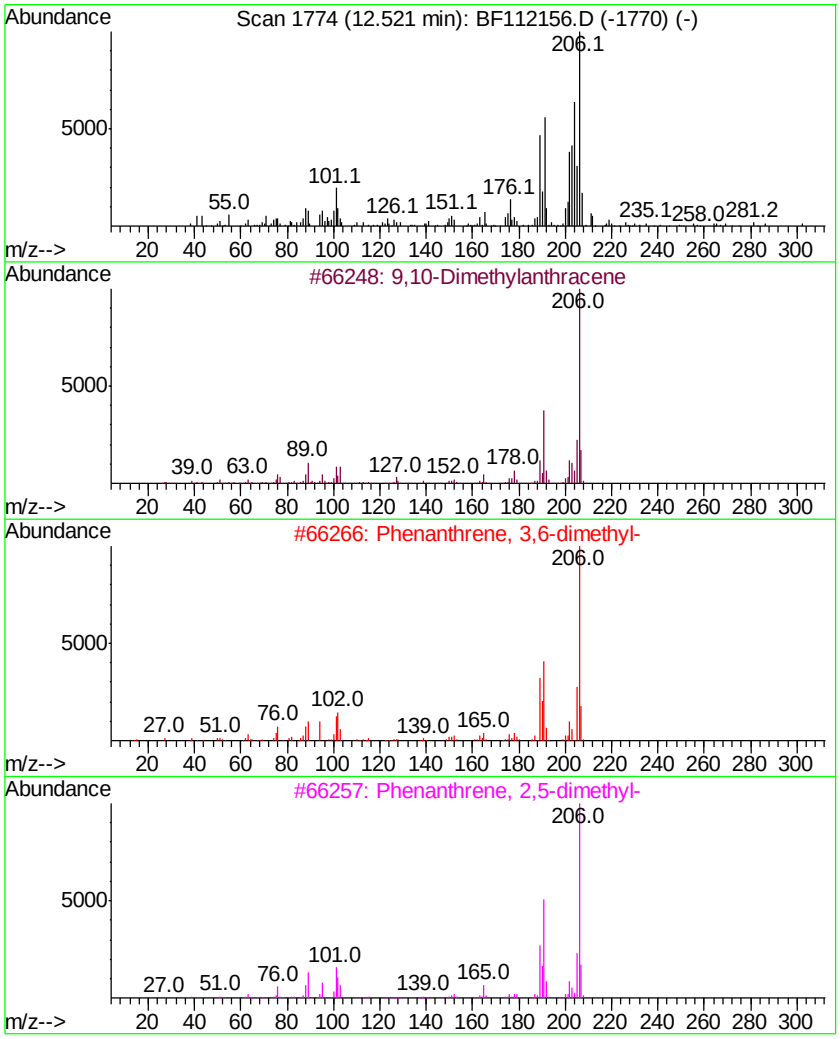
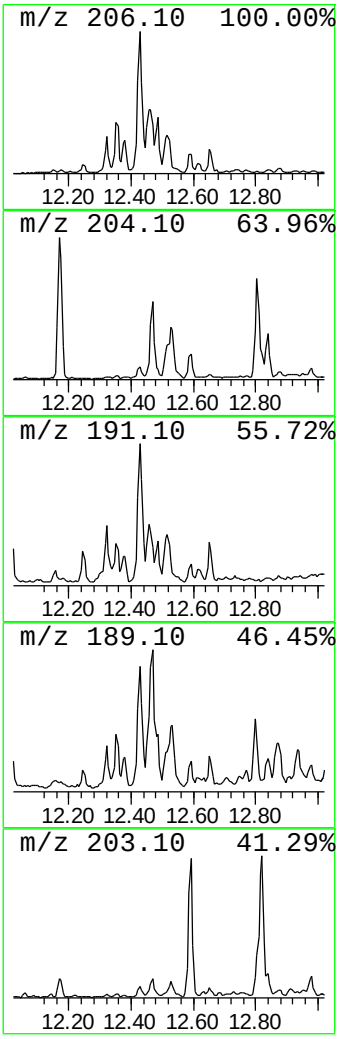
Peak Number 17 9,10-Dimethylanthracene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	4.17 ng	378646	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	64
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	64
5	Phenanthrene, 9,10-dimethyl-	206	C16H14	000604-83-1	60





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112156.D
Acq On : 21 Jan 2019 14:05
Operator : JU/SJ
Sample : K1009-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

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

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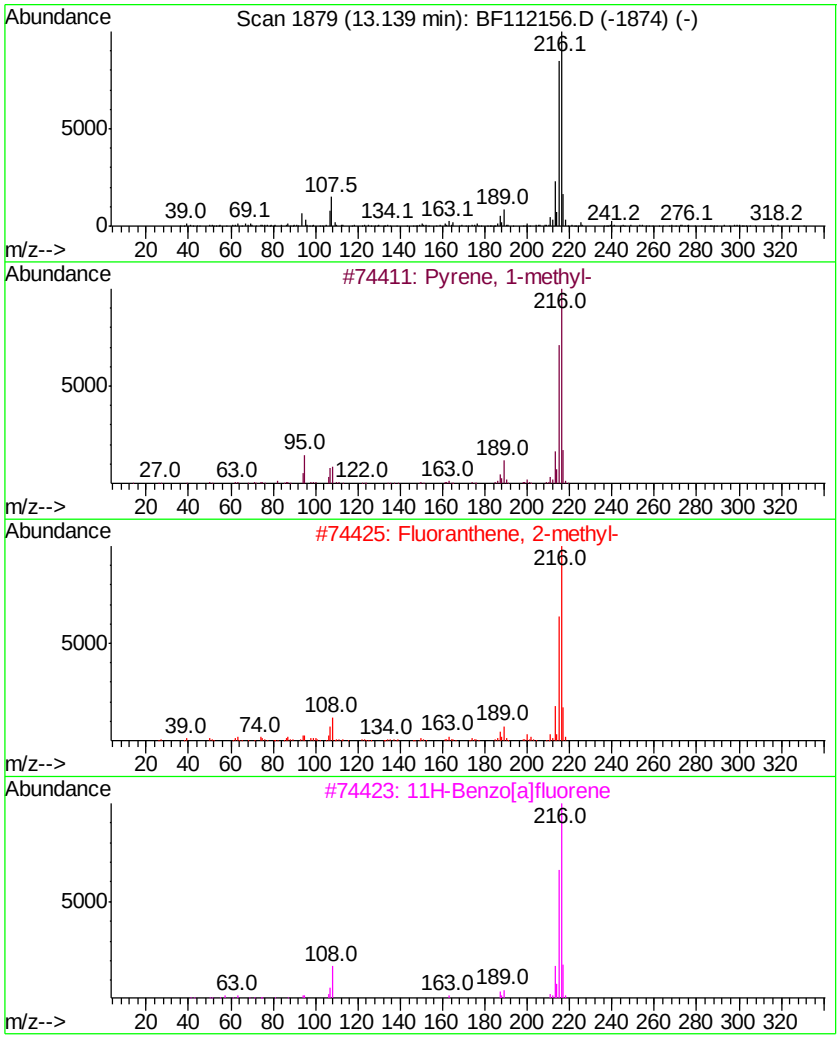
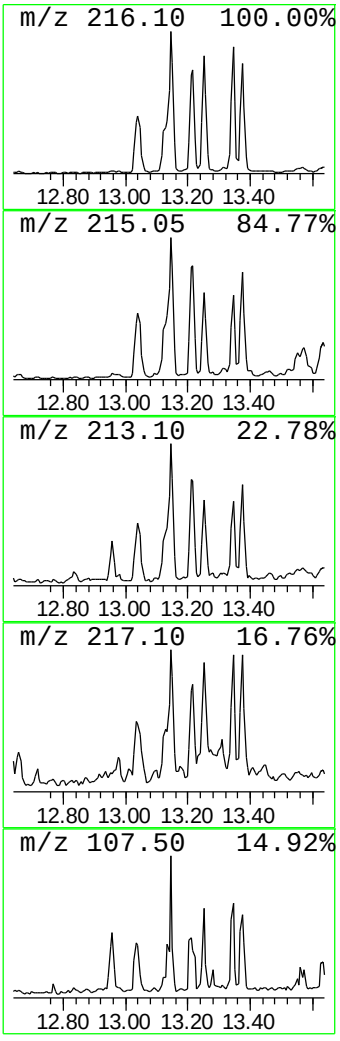
Peak Number 18 Fluoranthene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	5.07 ng	700940	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112156.D
Acq On : 21 Jan 2019 14:05
Operator : JU/SJ
Sample : K1009-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

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

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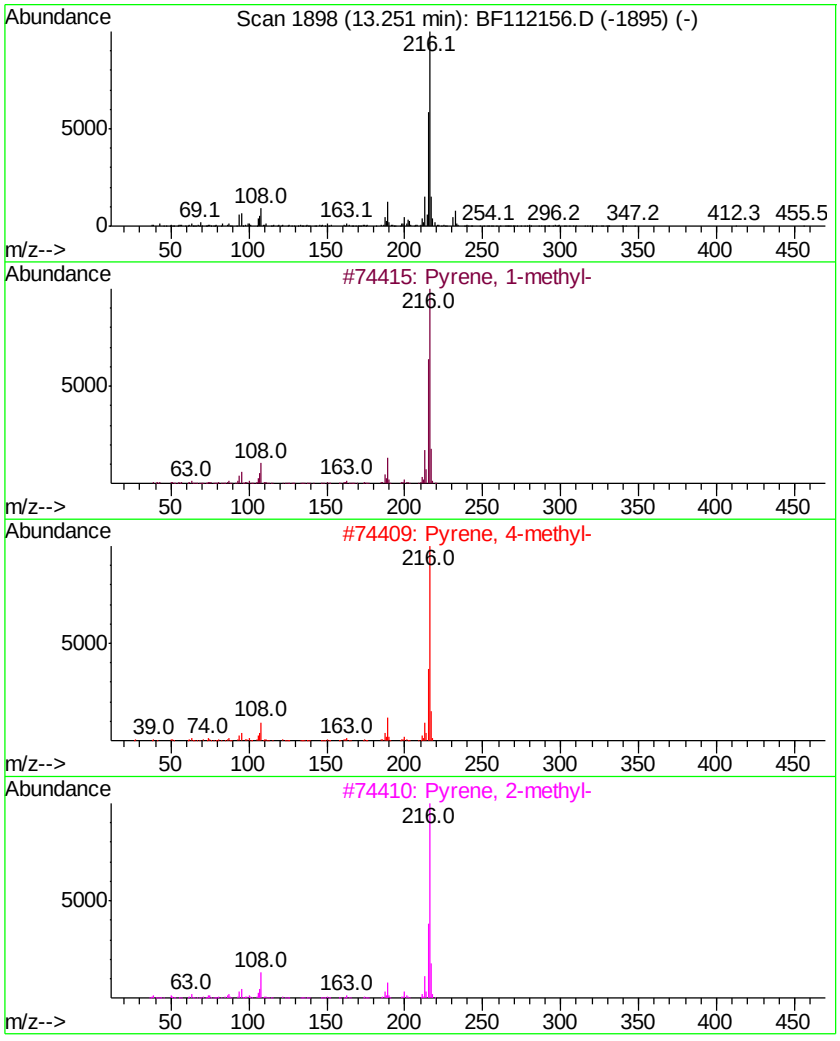
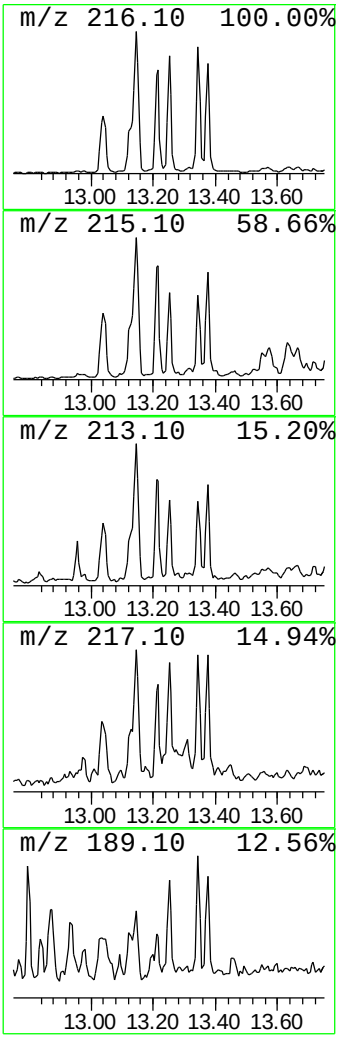
Peak Number 19 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	3.46 ng	478123	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112156.D
Acq On : 21 Jan 2019 14:05
Operator : JU/SJ
Sample : K1009-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

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

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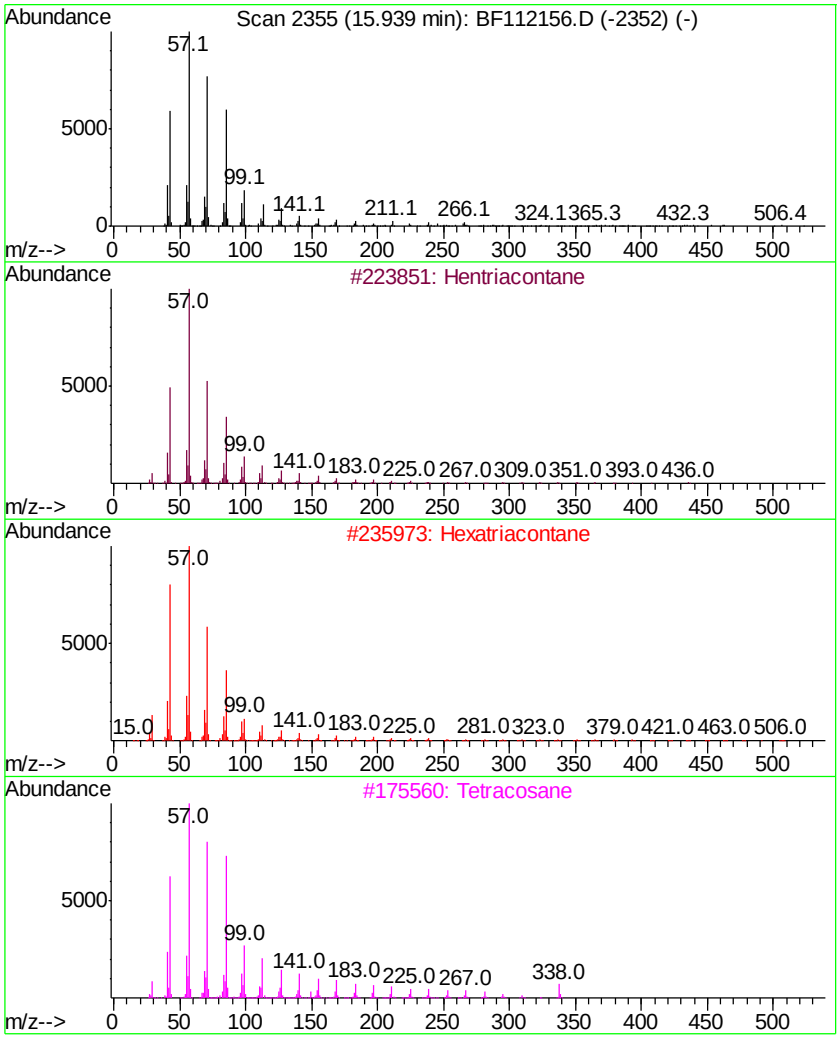
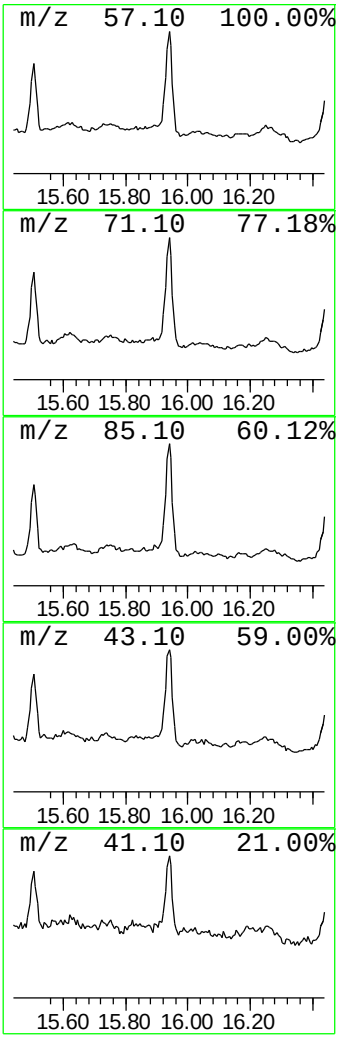
Peak Number 20 Hentriacontane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	9.59 ng	1015340	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hentriacontane	437	C31H64	000630-04-6	95
2	Hexatriacontane	507	C36H74	000630-06-8	93
3	Tetracosane	338	C24H50	000646-31-1	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	Octadecane, 5,14-dibutyl-	366	C26H54	055282-13-8	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012119\
Data File : BF112156.D
Acq On : 21 Jan 2019 14:05
Operator : JU/SJ
Sample : K1009-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

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	33.9	ng	2687560	1	6.85	1585830	20.0
Naphthalene, 2,6-...	9.47	5.0	ng	517362	3	9.89	2061200	20.0
Naphthalene, 1,4-...	9.55	6.3	ng	651774	3	9.89	2061200	20.0
Naphthalene, 2,3-...	9.66	4.0	ng	410532	3	9.89	2061200	20.0
Naphthalene, 2,3,...	10.09	4.0	ng	417849	3	9.89	2061200	20.0
9H-Fluorene, 2-me...	10.98	4.6	ng	418816	4	11.37	1817190	20.0
Naphtho[2,1-b]thi...	11.27	3.2	ng	292558	4	11.37	1817190	20.0
Phenanthrene, 2-m...	11.87	7.5	ng	684904	4	11.37	1817190	20.0
Anthracene, 2-met...	11.90	8.8	ng	797749	4	11.37	1817190	20.0
Phenanthrene, 1-m...	11.95	3.2	ng	293245	4	11.37	1817190	20.0
4H-Cyclopenta[def...	11.99	13.0	ng	1180570	4	11.37	1817190	20.0
1H-Indene, 2-phenyl-	12.01	4.7	ng	427363	4	11.37	1817190	20.0
Naphthalene, 2-ph...	12.17	3.0	ng	269743	4	11.37	1817190	20.0
Phenanthrene, 2,5...	12.43	6.6	ng	603669	4	11.37	1817190	20.0
Pyrene, 4,5,9,10-...	12.46	4.4	ng	399931	4	11.37	1817190	20.0
9,10-Dimethylanth...	12.52	4.2	ng	378646	4	11.37	1817190	20.0
Fluoranthene, 2-m...	13.14	5.1	ng	700940	5	14.02	2766120	20.0
Pyrene, 1-methyl-	13.25	3.5	ng	478123	5	14.02	2766120	20.0
Hentriacontane	15.94	9.6	ng	1015340	6	15.49	2117720	20.0