LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
Data File : BF104460.D
Acq On : 12 Apr 2018 19:23
Operator : JU/SJ
Sample : J2163-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-041118-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:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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	5.410	561	565	569	rBV	765587	680570	6.12%	0.365%
2	6.433	735	739	745	rVB	827825	694502	6.25%	0.372%
3	6.575	759	763	766	rVB	902592	729431	6.56%	0.391%
4	6.810	799	803	806	rVB	1010392	792159	7.12%	0.424%
5	6.963	825	829	832	rBV	725661	578478	5.20%	0.310%
6	8.092	1013	1021	1023	rBV	1185528	1122896	10.10%	0.602%
7	8.116	1023	1025	1028	rVB	1300883	938163	8.44%	0.503%
8	8.810	1137	1143	1146	rBV	2259854	1839660	16.54%	0.986%
9	8.910	1154	1160	1163	rBV	2580346	2087645	18.77%	1.119%
10	9.169	1199	1204	1207	rBV	1068560	815667	7.33%	0.437%
11	9.369	1235	1238	1243	rVB	668998	783673	7.05%	0.420%
12	9.439	1244	1250	1253	rBV	1611537	2198805	19.77%	1.178%
13	9.516	1257	1263	1265	rVV	2321567	2651967	23.85%	1.421%
14	9.539	1265	1267	1270	rVV	1910053	1411152	12.69%	0.756%
15	9.627	1278	1282	1288	rBV	1387750	1471169	13.23%	0.788%
16	9.710	1293	1296	1300	rVB	1017979	838501	7.54%	0.449%
17	9.833	1314	1317	1318	rBV	732981	583066	5.24%	0.312%
18	9.851	1318	1320	1323	rVV2	1187438	1091646	9.82%	0.585%
19	9.886	1323	1326	1329	rVV	3061544	2992925	26.91%	1.604%
20	9.957	1334	1338	1342	rBV2	621376	831637	7.48%	0.446%
21	10.057	1349	1355	1358	rVV2	1780985	1853633	16.67%	0.993%
22	10.092	1358	1361	1365	rVV	1056234	860174	7.73%	0.461%
23	10.169	1370	1374	1376	rBV	812417	780602	7.02%	0.418%
24	10.198	1376	1379	1382	rVB	754045	569122	5.12%	0.305%
25	10.257	1385	1389	1391	rBV	533069	725689	6.53%	0.389%
26	10.410	1410	1415	1418	rVV	3881980	4210897	37.87%	2.256%
27	10.469	1423	1425	1427	rVV	1148119	1101407	9.90%	0.590%
28	10.486	1427	1428	1431	rVV	1089263	879430	7.91%	0.471%
29	10.557	1438	1440	1444	rVB	990556	883774	7.95%	0.474%
30	10.639	1451	1454	1458	rVB	1184466	1188665	10.69%	0.637%
31	10.763	1470	1475	1479	rVB4	486224	579586	5.21%	0.311%
32	10.951	1500	1507	1510	rVV2	1789112	2305381	20.73%	1.235%
33	10.980	1510	1512	1515	rVV2	1241875	1123083	10.10%	0.602%
34	11.033	1518	1521	1524	rVV	1191203	1061268	9.54%	0.569%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
Data File : BF104460.D
Acq On : 12 Apr 2018 19:23
Operator : JU/SJ
Sample : J2163-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-041118-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:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.098	1530	1532	1534	rVV2	607360	611264	5.50%	0.328%
36	11.192	1544	1548	1552	rVV3	490807	763965	6.87%	0.409%
37	11.239	1552	1556	1562	rVB	1648192	1685939	15.16%	0.903%
38	11.392	1569	1582	1584	rBV	5192743	11120594	100.00%	5.959%
39	11.439	1584	1590	1592	rVV	3823641	4427657	39.81%	2.373%
40	11.574	1610	1613	1616	rBV	624953	702684	6.32%	0.377%
41	11.639	1621	1624	1626	rVV	806153	685891	6.17%	0.368%
42	11.674	1626	1630	1635	rVV2	1225503	1424192	12.81%	0.763%
43	11.757	1642	1644	1648	rVV	845042	920032	8.27%	0.493%
44	11.857	1655	1661	1663	rVV	3297471	3965026	35.65%	2.125%
45	11.886	1663	1666	1669	rVB	3737045	3831062	34.45%	2.053%
46	11.933	1669	1674	1677	rBV	1847119	2026586	18.22%	1.086%
47	11.968	1677	1680	1683	rVV	3923028	5509130	49.54%	2.952%
48	11.992	1683	1684	1687	rVV	2948680	1836564	16.51%	0.984%
49	12.145	1701	1710	1712	rVV	1934074	2211789	19.89%	1.185%
50	12.174	1712	1715	1720	rVV3	795157	938018	8.43%	0.503%
51	12.292	1733	1735	1738	rVV	1002471	942545	8.48%	0.505%
52	12.327	1738	1741	1743	rVV	1060169	1136094	10.22%	0.609%
53	12.351	1743	1745	1748	rVV	780487	618765	5.56%	0.332%
54	12.404	1749	1754	1756	rVV	1966494	2461590	22.14%	1.319%
55	12.445	1756	1761	1766	rVV3	1743830	3618357	32.54%	1.939%
56	12.498	1766	1770	1774	rVV3	1099596	1757449	15.80%	0.942%
57	12.586	1778	1785	1787	rVV	4675092	7924752	71.26%	4.247%
58	12.610	1787	1789	1791	rVV	628423	659427	5.93%	0.353%
59	12.627	1791	1792	1800	rVV4	643709	839799	7.55%	0.450%
60	12.715	1802	1807	1809	rVV3	708187	810938	7.29%	0.435%
61	12.821	1817	1825	1827	rVV3	4672907	9817280	88.28%	5.261%
62	12.845	1827	1829	1833	rVB2	930627	966409	8.69%	0.518%
63	12.910	1833	1840	1842	rBV2	633421	994169	8.94%	0.533%
64	12.933	1842	1844	1846	rVV	669903	700589	6.30%	0.375%
65	13.015	1851	1858	1861	rBV2	1548647	2489397	22.39%	1.334%
66	13.104	1869	1873	1874	rVV2	1114805	1495901	13.45%	0.802%
67	13.133	1874	1878	1880	rVB	2583240	2979067	26.79%	1.596%
68	13.198	1880	1889	1891	rBV	2381419	3080129	27.70%	1.651%
69	13.233	1891	1895	1898	rVV2	2214930	2970967	26.72%	1.592%
70	13.257	1898	1899	1902	rVV2	731289	625568	5.63%	0.335%
71	13.327	1907	1911	1913	rVV	1793002	1844480	16.59%	0.988%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
Data File : BF104460.D
Acq On : 12 Apr 2018 19:23
Operator : JU/SJ
Sample : J2163-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-041118-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:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.357	1913	1916	1918	rVV	1925427	1804649	16.23%	0.967%
73	13.527	1942	1945	1946	rVV	664430	743782	6.69%	0.399%
74	13.545	1946	1948	1951	rVV	774175	860982	7.74%	0.461%
75	13.609	1955	1959	1961	rVV2	751682	1146222	10.31%	0.614%
76	13.639	1961	1964	1967	rVV2	952365	1293533	11.63%	0.693%
77	13.745	1977	1982	1985	rVV2	1290409	2061466	18.54%	1.105%
78	13.774	1985	1987	1989	rVV	1568610	1326205	11.93%	0.711%
79	13.798	1989	1991	1994	rVV2	1041579	1231332	11.07%	0.660%
80	13.845	1997	1999	2002	rVV	659658	719509	6.47%	0.386%
81	13.998	2017	2025	2028	rVV2	3453361	6595095	59.31%	3.534%
82	14.039	2028	2032	2035	rVV	3794625	5168510	46.48%	2.770%
83	14.109	2042	2044	2047	rVV	1313163	1243050	11.18%	0.666%
84	14.145	2047	2050	2056	rVV4	704901	1487287	13.37%	0.797%
85	14.227	2060	2064	2066	rVV3	532154	802516	7.22%	0.430%
86	14.251	2066	2068	2072	rVV2	449020	568698	5.11%	0.305%
87	14.351	2082	2085	2087	rVV	699395	804539	7.23%	0.431%
88	14.392	2087	2092	2095	rVV	1903515	2732957	24.58%	1.465%
89	14.421	2095	2097	2101	rVV	1279226	1364583	12.27%	0.731%
90	14.486	2101	2108	2111	rVV2	1008350	2061478	18.54%	1.105%
91	14.515	2111	2113	2115	rVV2	1090792	1167847	10.50%	0.626%
92	14.539	2115	2117	2120	rVV	1179553	1057013	9.51%	0.566%
93	14.586	2120	2125	2131	rVV3	609989	983636	8.85%	0.527%
94	15.056	2198	2205	2208	rBV	2086781	4325546	38.90%	2.318%
95	15.151	2218	2221	2225	rVB	618944	669677	6.02%	0.359%
96	15.356	2250	2256	2261	rVB	1560654	2297148	20.66%	1.231%
97	15.421	2261	2267	2271	rBV	2073671	3112054	27.98%	1.668%
98	15.503	2278	2281	2287	rVB3	637487	1058840	9.52%	0.567%
99	16.945	2519	2526	2532	rVB2	798832	1655828	14.89%	0.887%
100	17.397	2594	2603	2613	rVB	652935	1618722	14.56%	0.867%

Sum of corrected areas: 186613192

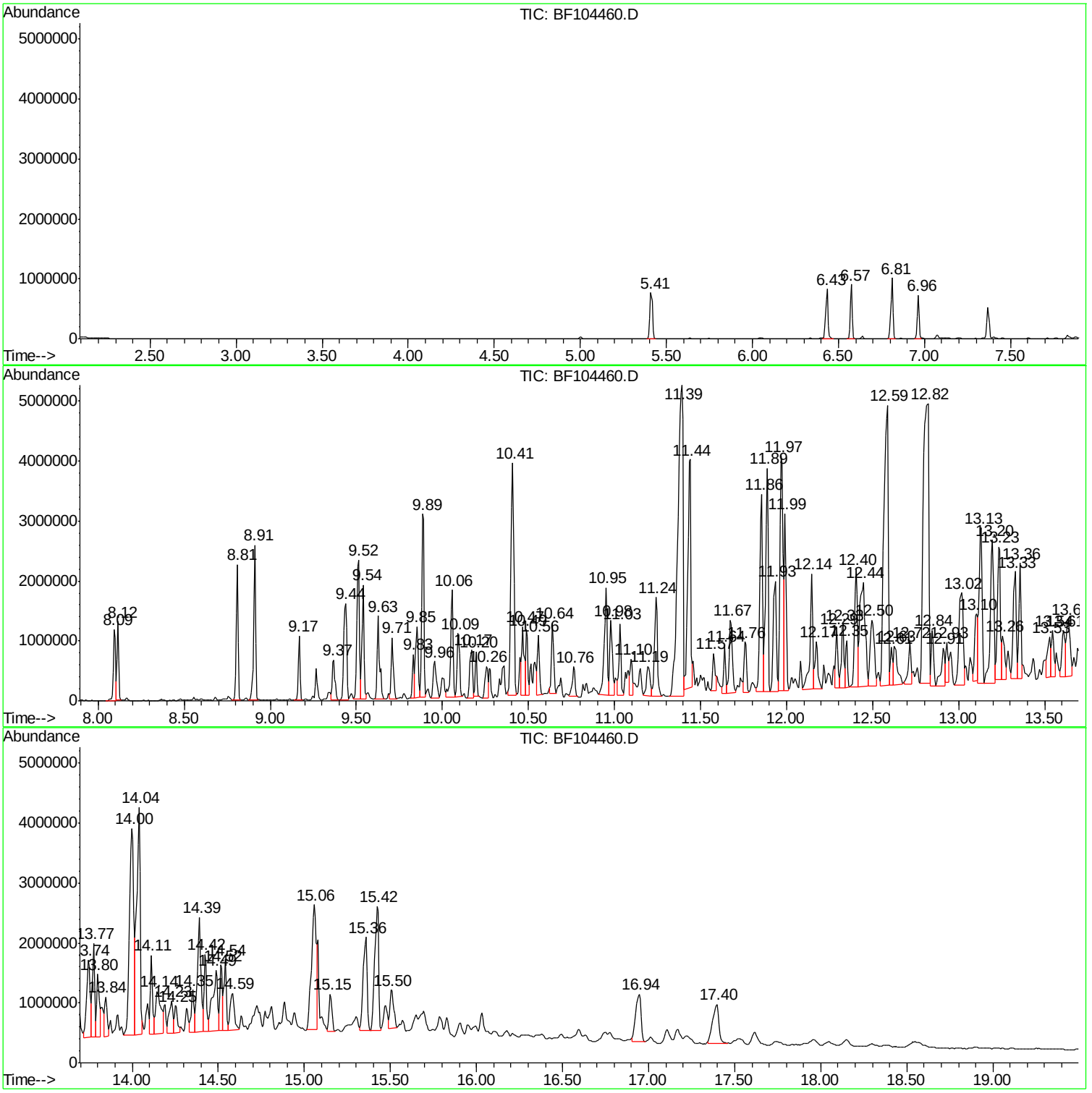
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
Data File : BF104460.D
Acq On : 12 Apr 2018 19:23
Operator : JU/SJ
Sample : J2163-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-041118-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
Data File : BF104460.D
Acq On : 12 Apr 2018 19:23
Operator : JU/SJ
Sample : J2163-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-041118-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

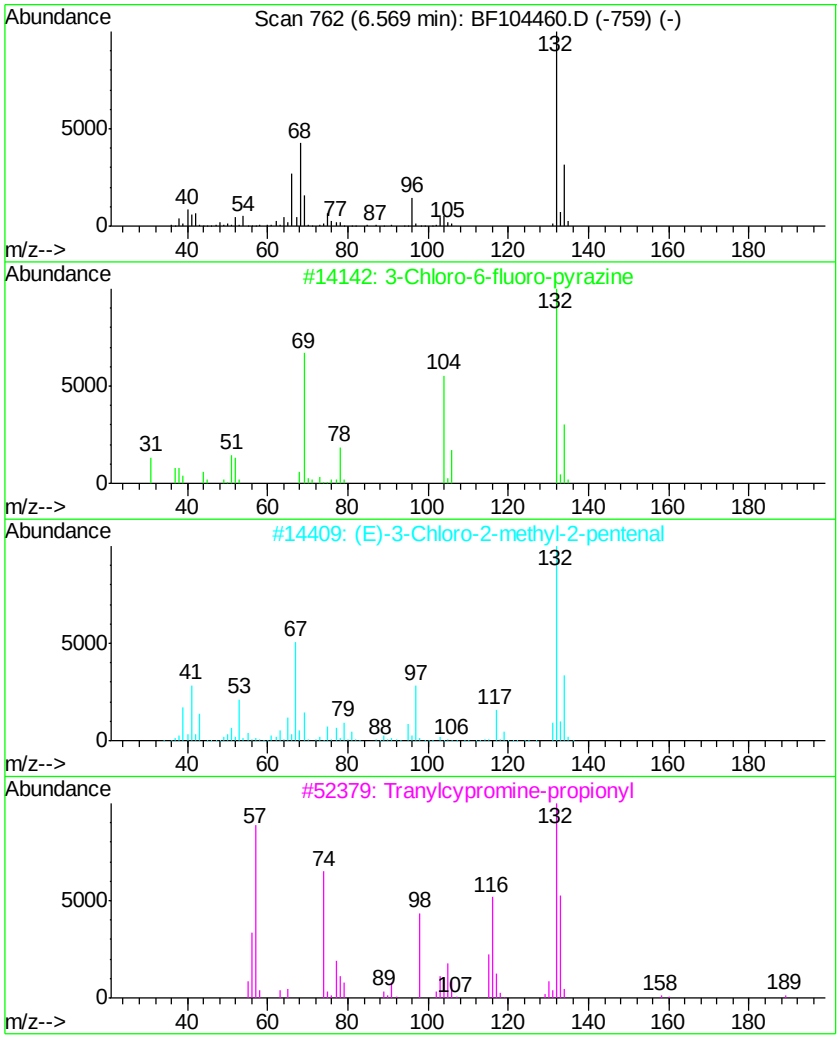
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

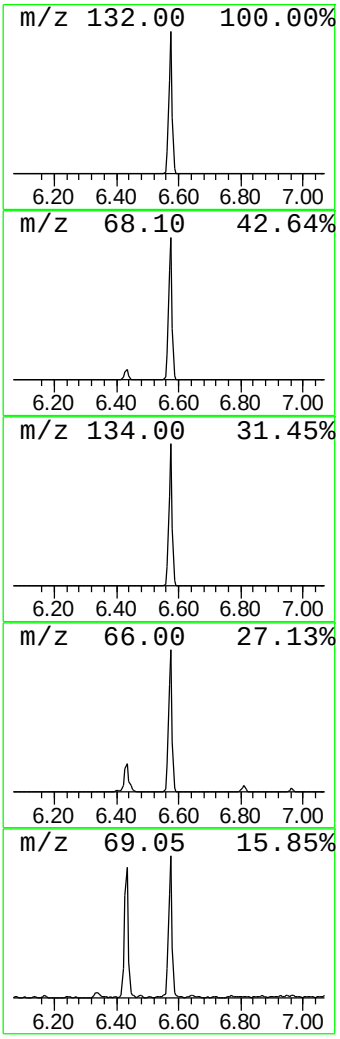
****

Peak Number 1 unknown6.57 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	18.42 ng	729431	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
Data File : BF104460.D
Acq On : 12 Apr 2018 19:23
Operator : JU/SJ
Sample : J2163-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-041118-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

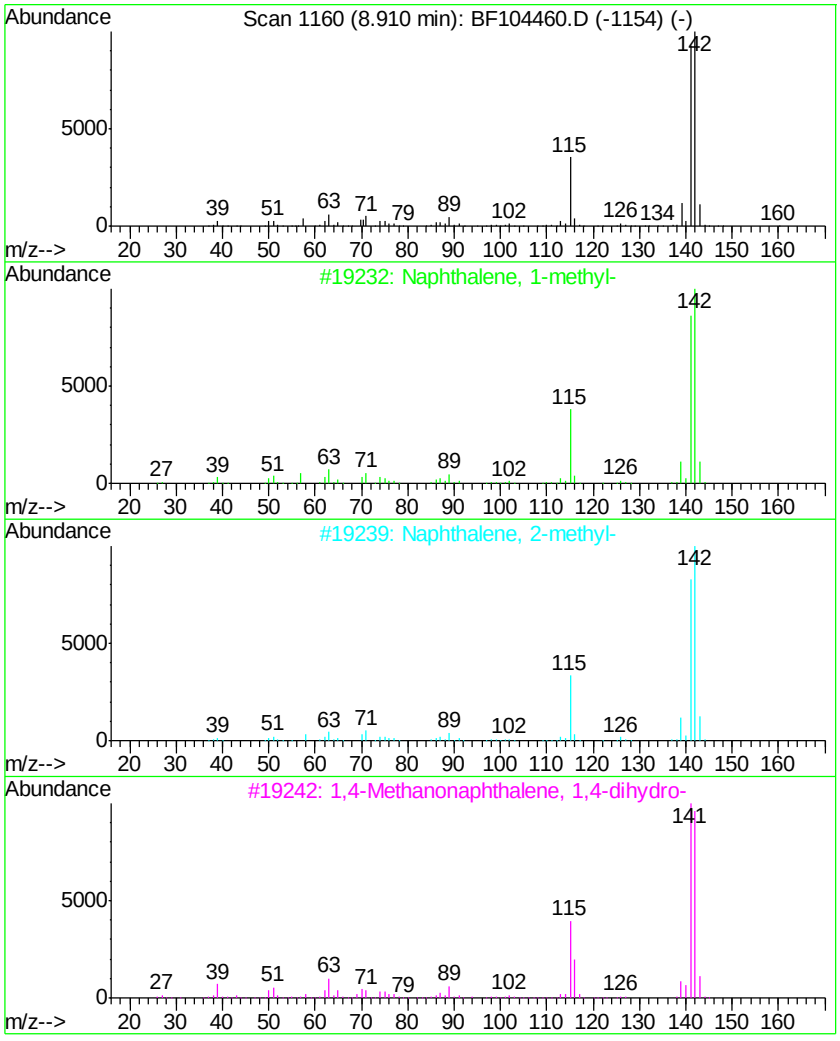
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

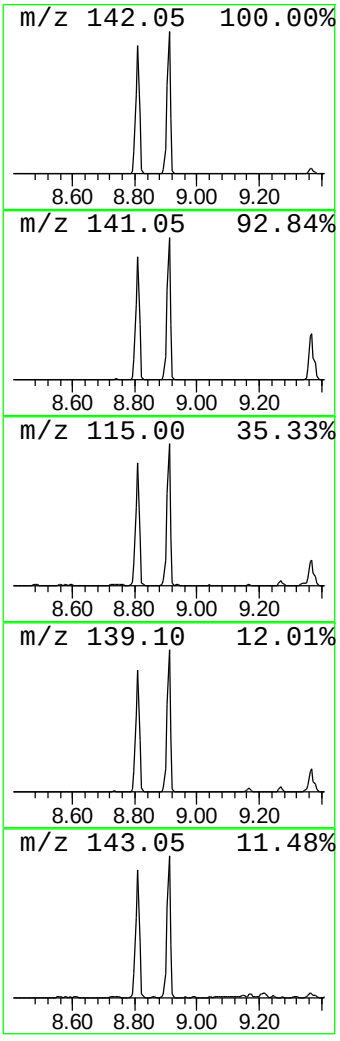
****

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.91	37.18 ng	2087650	Naphthalene-d8	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
Data File : BF104460.D
Acq On : 12 Apr 2018 19:23
Operator : JU/SJ
Sample : J2163-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-041118-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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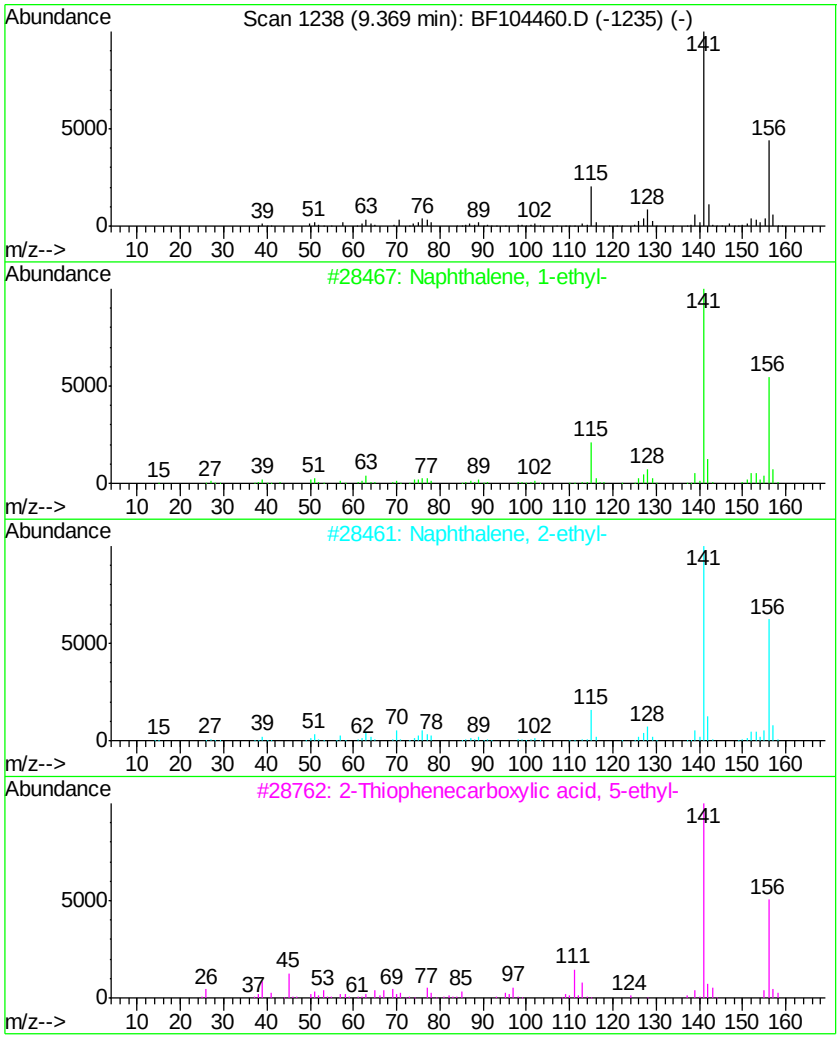
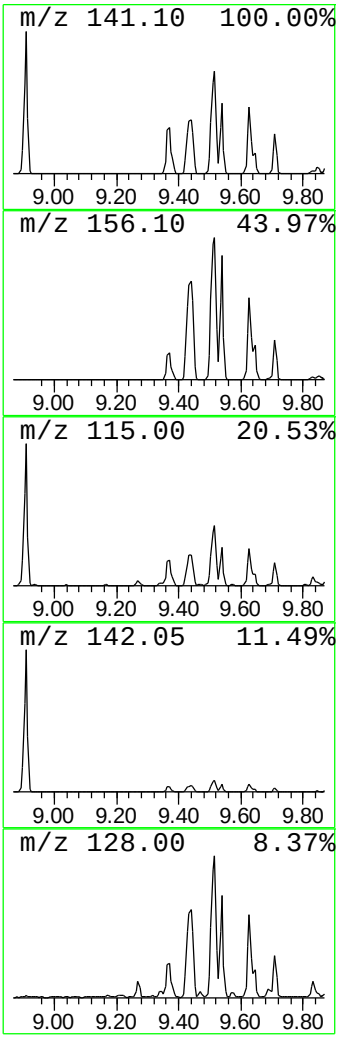
Peak Number 4 Naphthalene, 1-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	14.36 ng	783673	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
3	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	72
4	1-Ethanone, 1-[4-(1-naphthalenyl...	276	C19H16O2	1000338-30-5	47
5	Methyl phenylphosphinic acid	156	C7H9O2P	004271-13-0	45





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
Data File : BF104460.D
Acq On : 12 Apr 2018 19:23
Operator : JU/SJ
Sample : J2163-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-041118-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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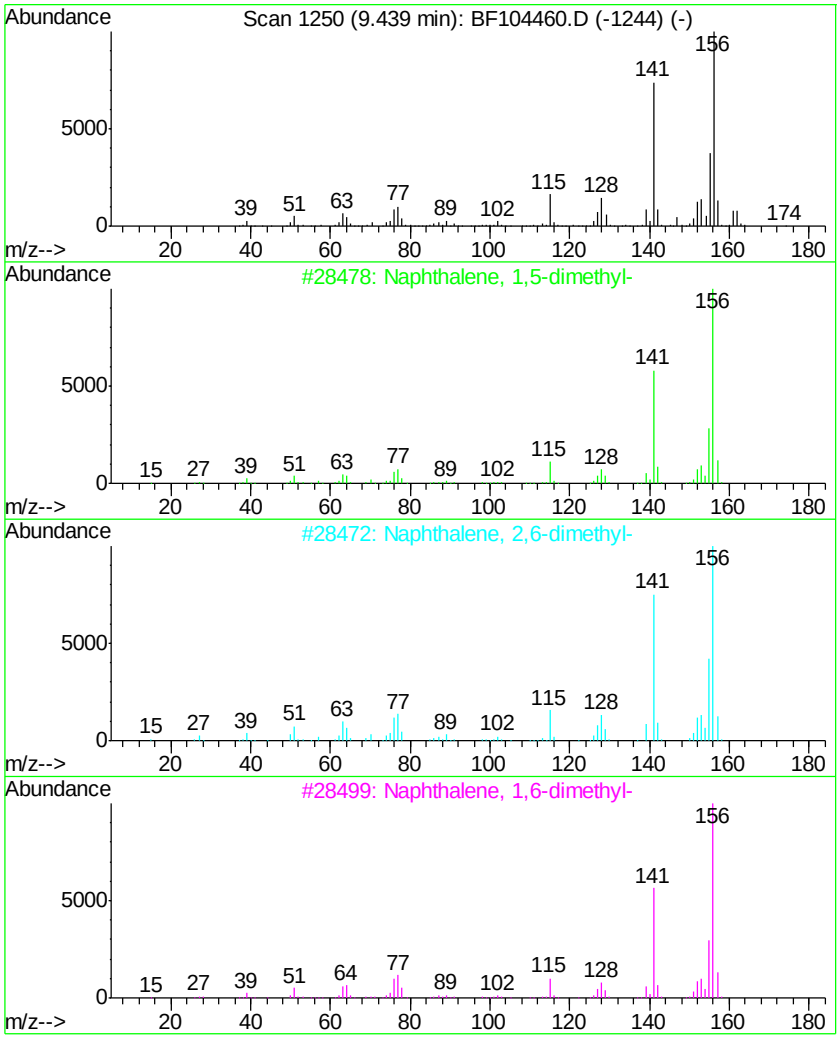
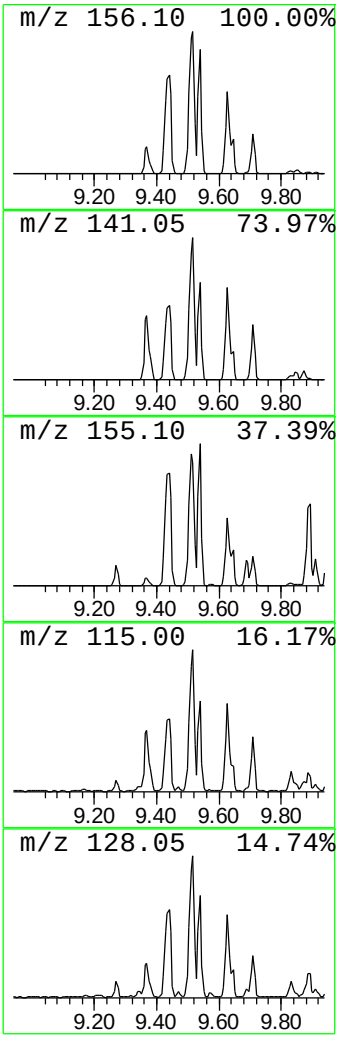
Peak Number 5 Naphthalene, 1,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	40.28 ng	2198810	Acenaphthene-d10	9.85

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	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
Data File : BF104460.D
Acq On : 12 Apr 2018 19:23
Operator : JU/SJ
Sample : J2163-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-041118-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

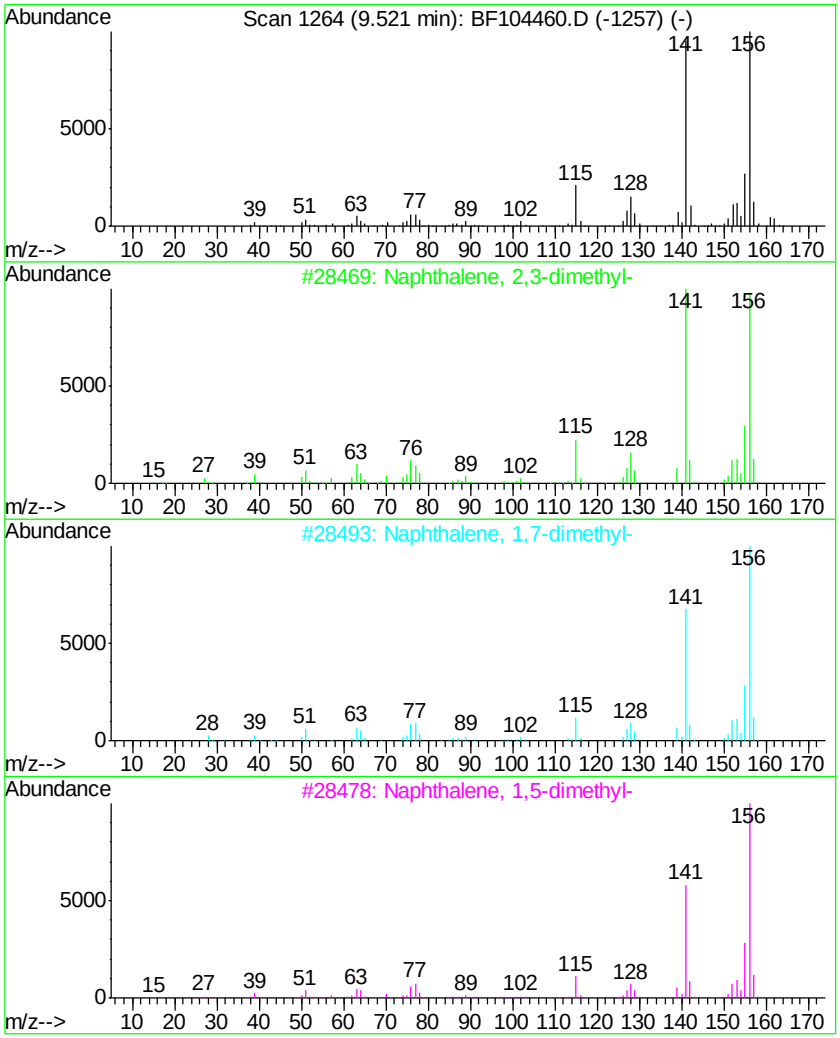
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

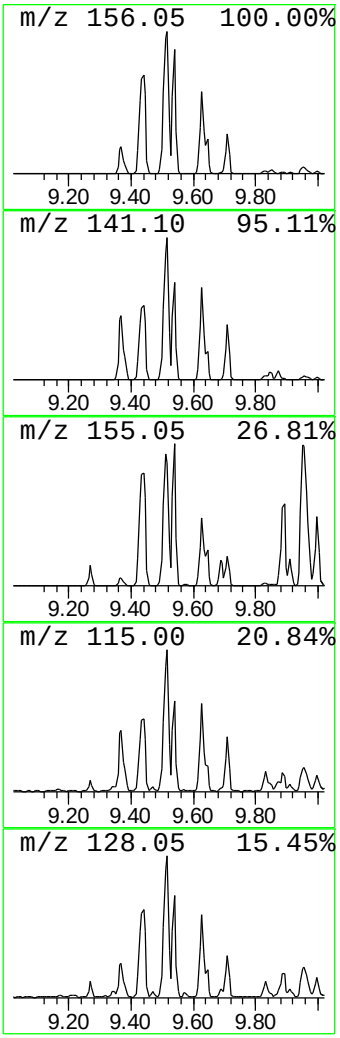
****

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	48.59 ng	2651970	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
Data File : BF104460.D
Acq On : 12 Apr 2018 19:23
Operator : JU/SJ
Sample : J2163-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-041118-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

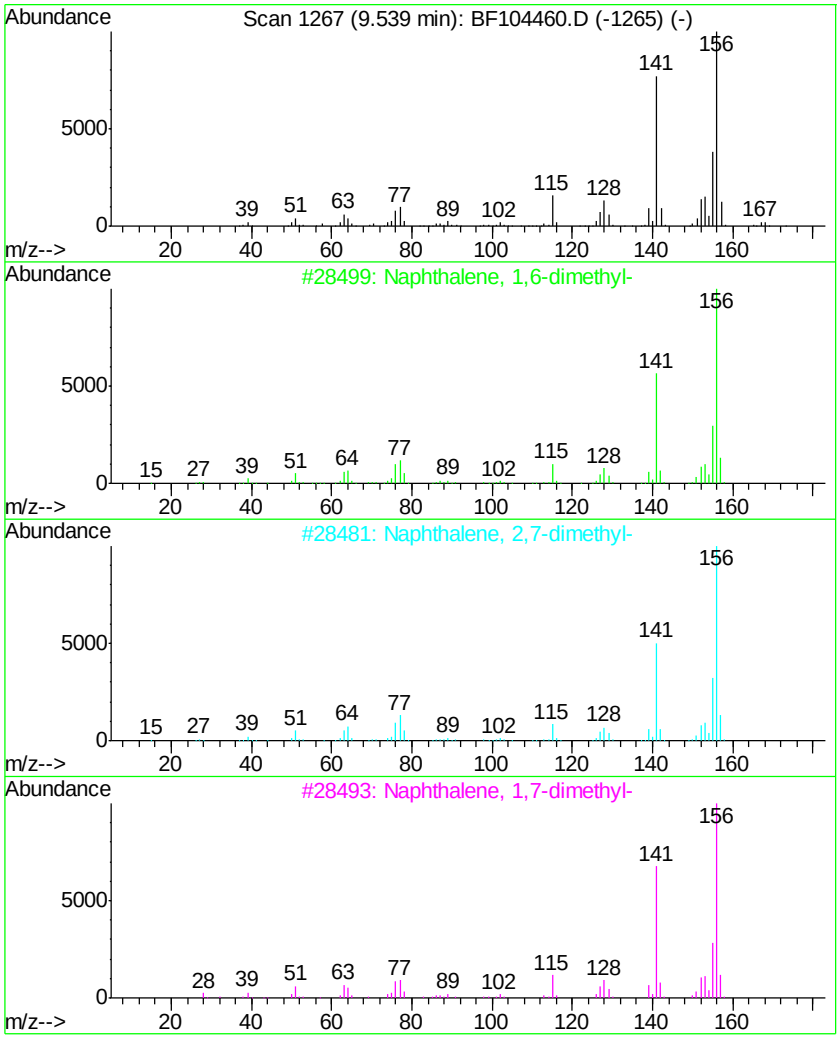
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

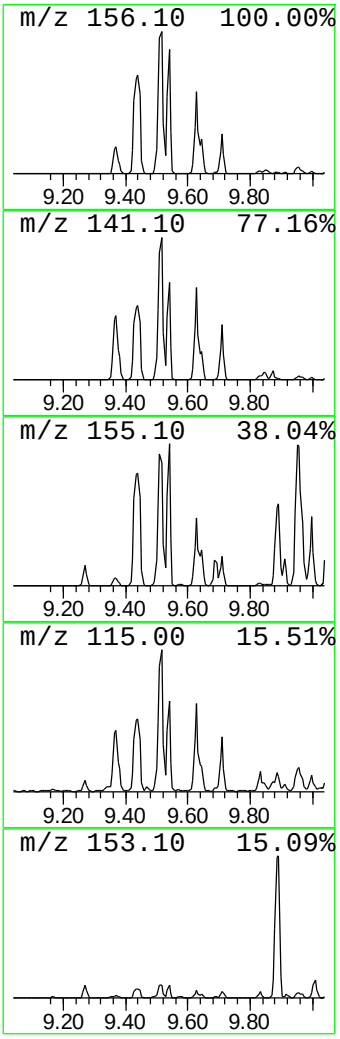
****

Peak Number 7 Naphthalene, 1,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	25.85 ng	1411150	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





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Acq On : 12 Apr 2018 19:23
Operator : JU/SJ
Sample : J2163-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-041118-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

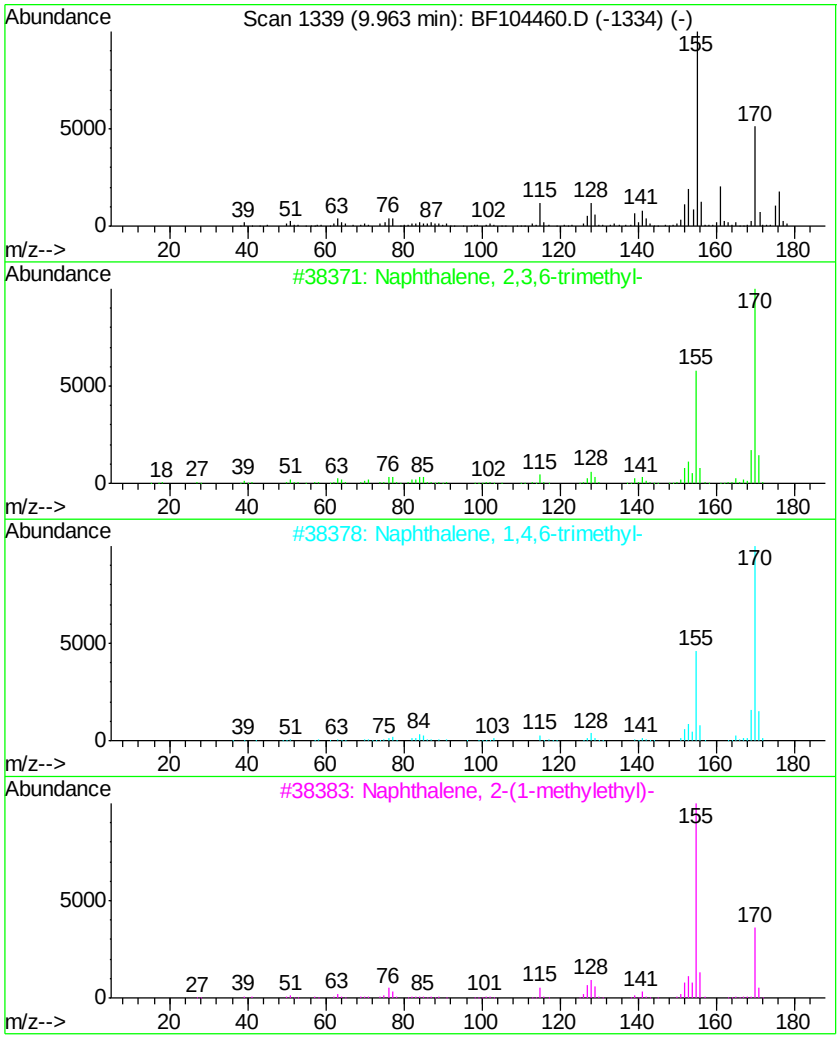
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

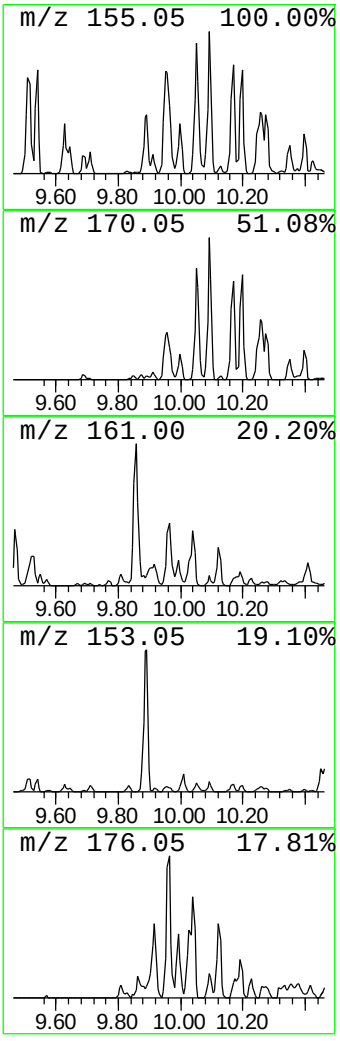
****

Peak Number 9 Naphthalene, 2,3,6-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.96	15.24 ng	831637	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	91
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91
3	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	87
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	83
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	68





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
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Acq On : 12 Apr 2018 19:23
Operator : JU/SJ
Sample : J2163-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-041118-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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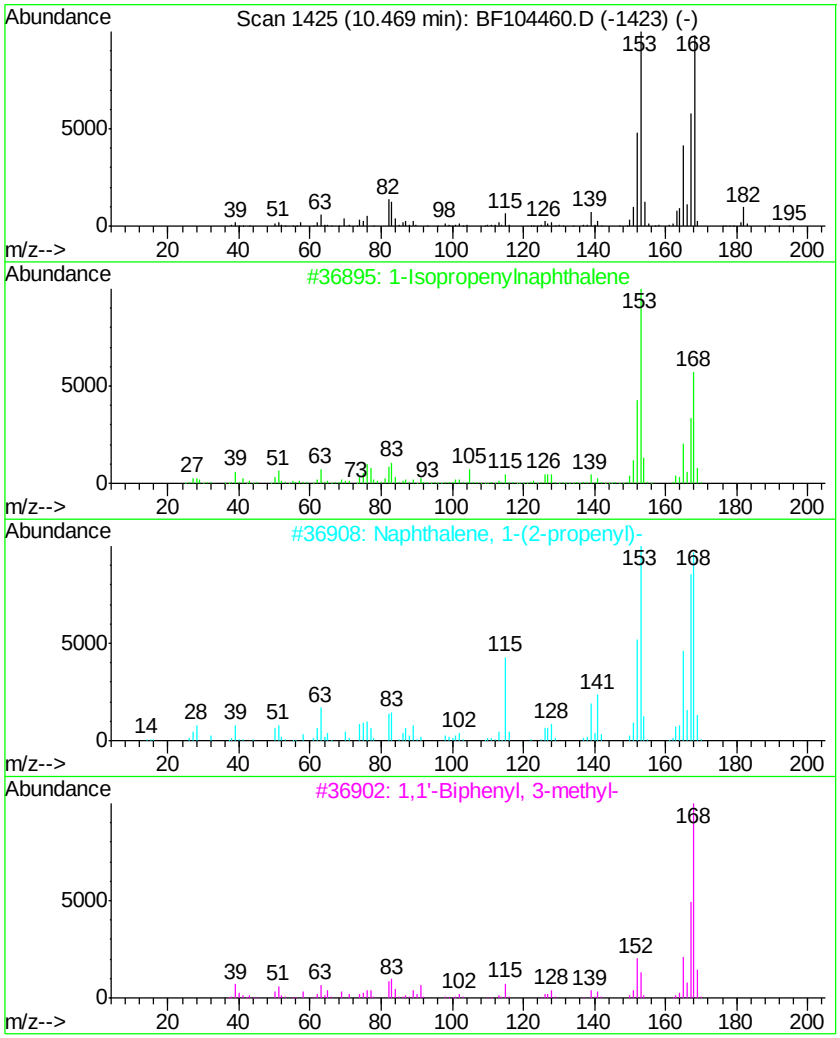
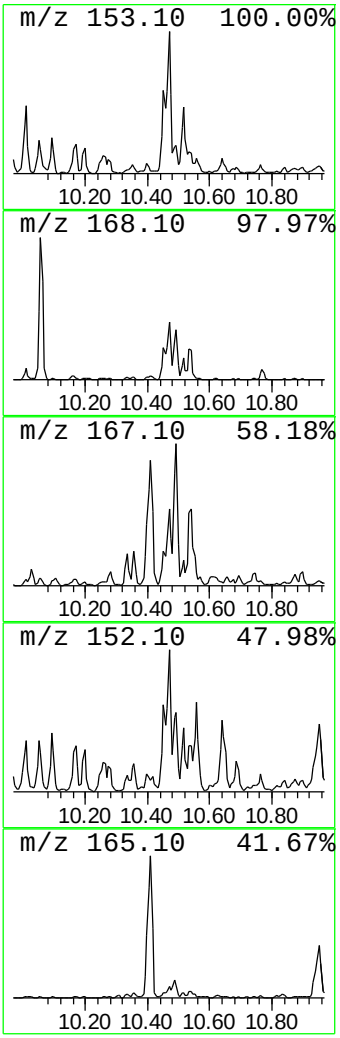
Peak Number 13 1-Isopropenylnaphthalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	20.18 ng	1101410	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	91
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	87
3	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	53
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	52
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
Data File : BF104460.D
Acq On : 12 Apr 2018 19:23
Operator : JU/SJ
Sample : J2163-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-041118-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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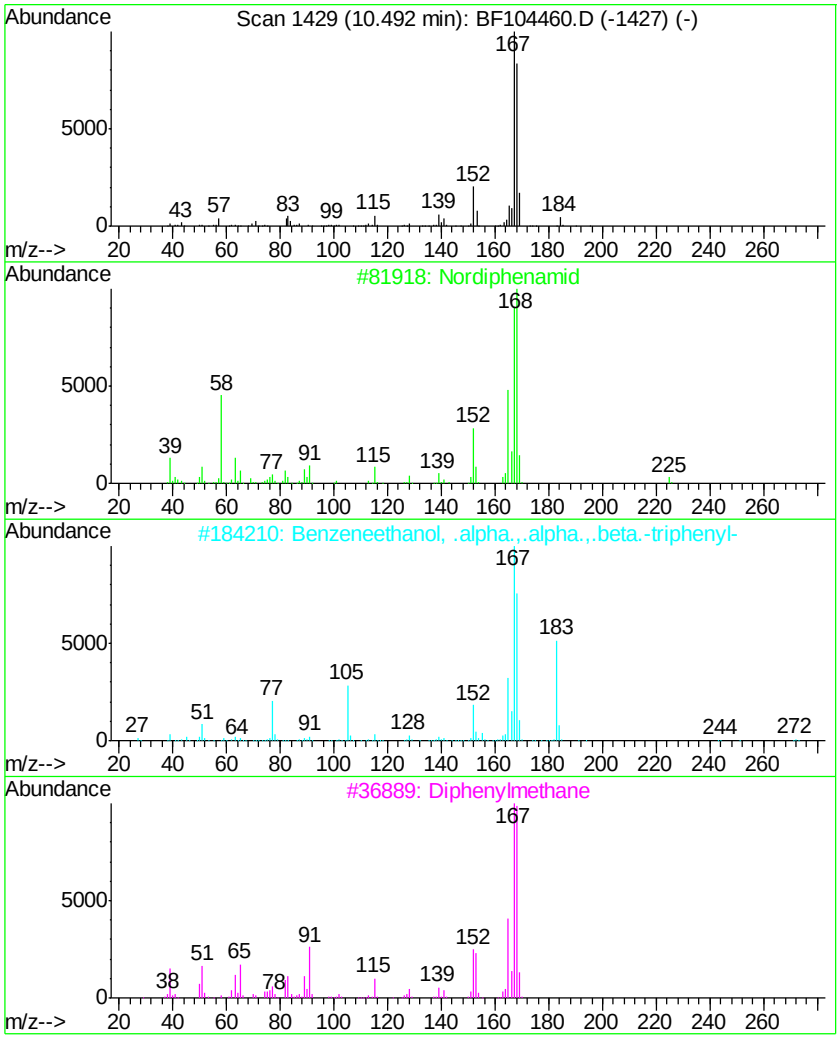
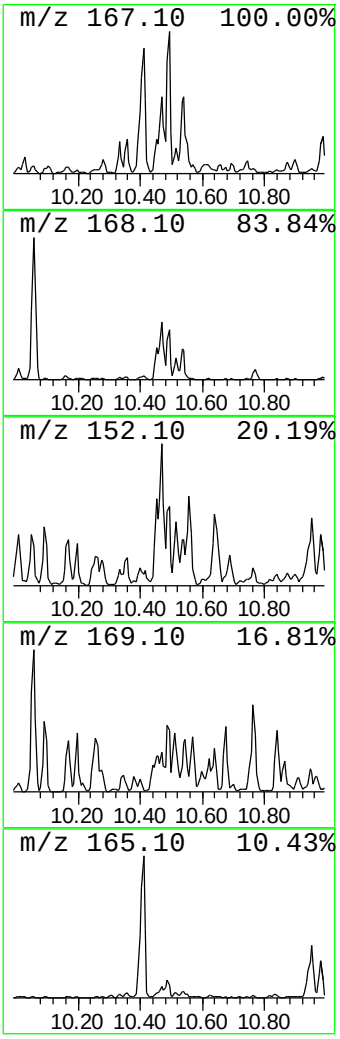
Peak Number 14 Nordiphenamid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	16.11 ng	879430	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	86
2	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	72
3	Diphenylmethane	168	C13H12	000101-81-5	68
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	64
5	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	58





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
Data File : BF104460.D
Acq On : 12 Apr 2018 19:23
Operator : JU/SJ
Sample : J2163-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-041118-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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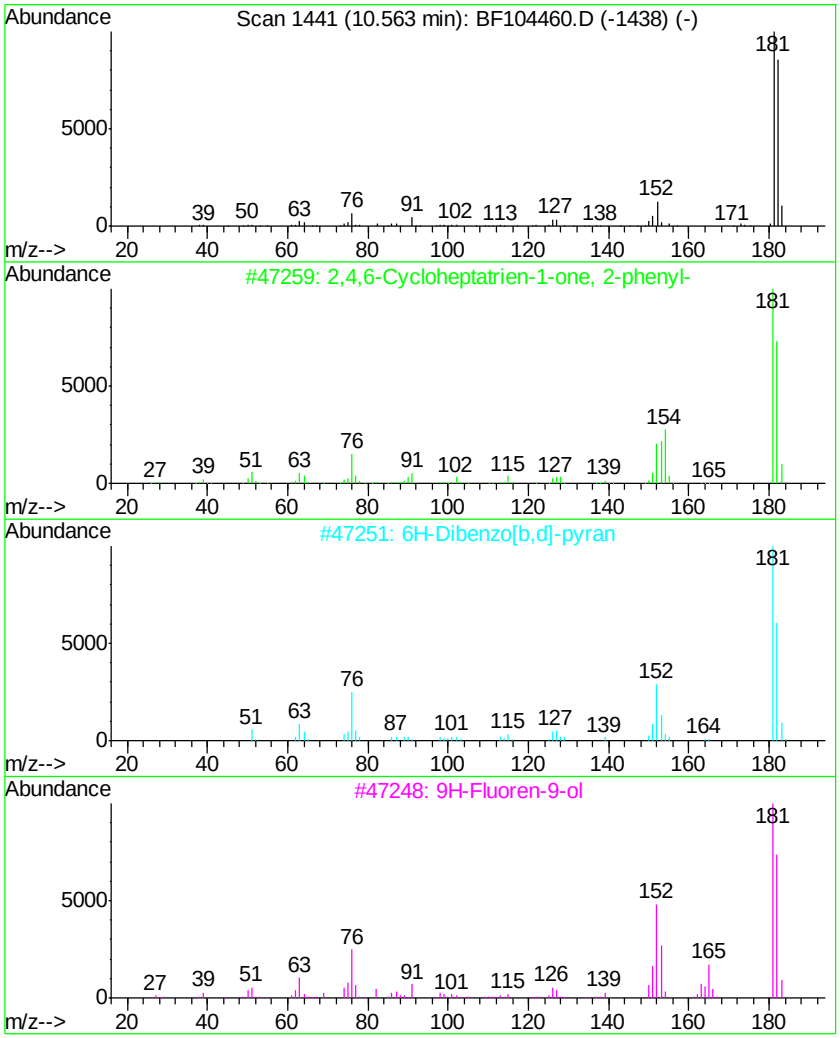
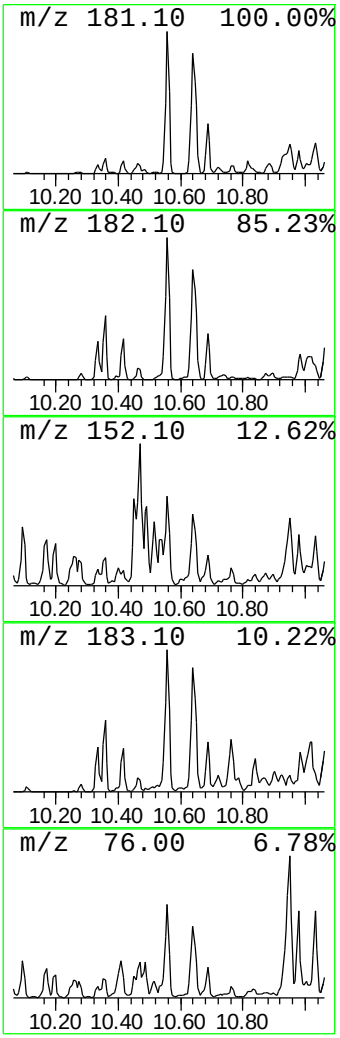
Peak Number 15 2,4,6-Cycloheptatrien-1-one... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	16.19 ng	883774	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
2	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	83
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	72
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	70





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Acq On : 12 Apr 2018 19:23
Operator : JU/SJ
Sample : J2163-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-041118-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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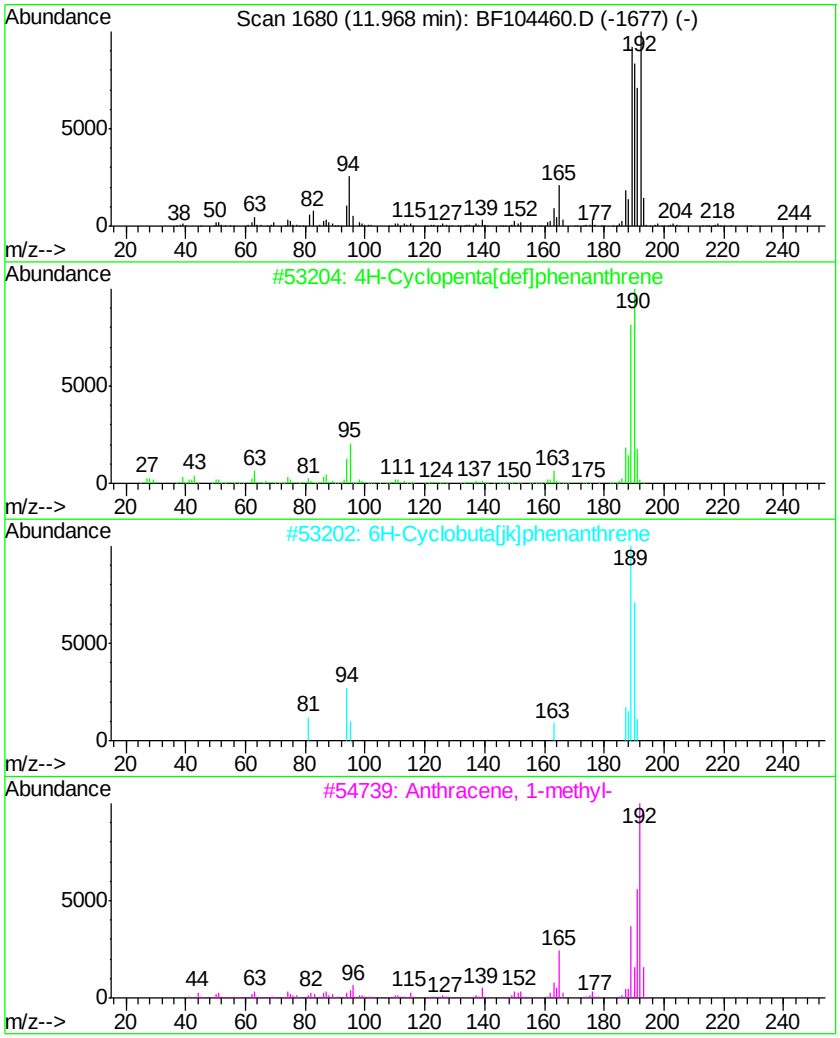
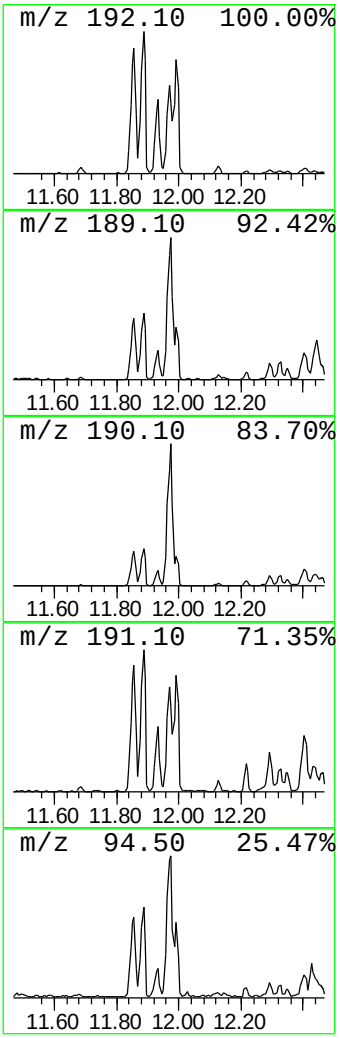
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	9.91 ng	5509130	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	43





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Data File : BF104460.D
Acq On : 12 Apr 2018 19:23
Operator : JU/SJ
Sample : J2163-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-041118-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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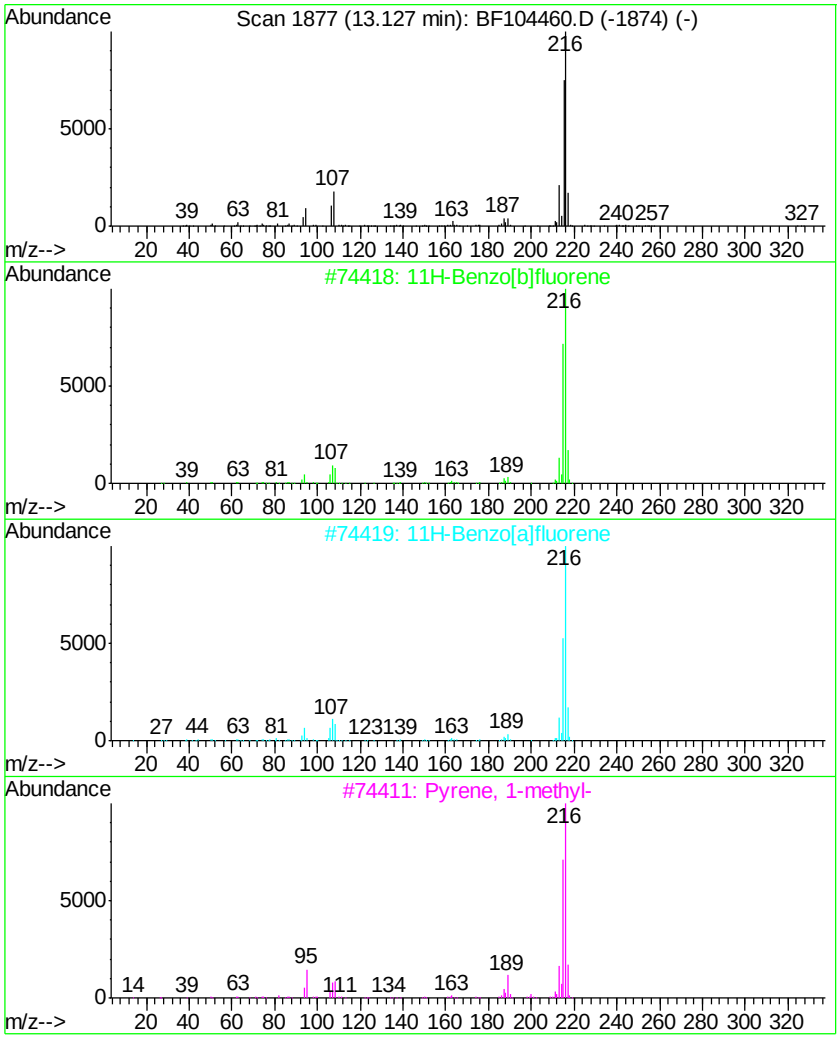
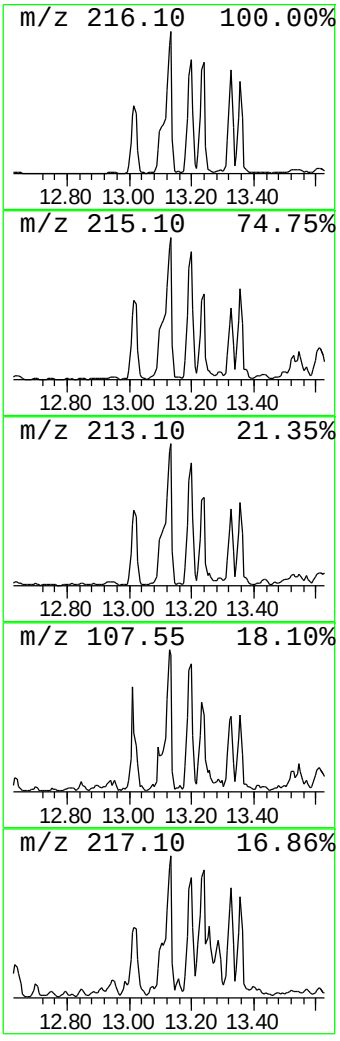
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	9.03 ng	2979070	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





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Data File : BF104460.D
Acq On : 12 Apr 2018 19:23
Operator : JU/SJ
Sample : J2163-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-041118-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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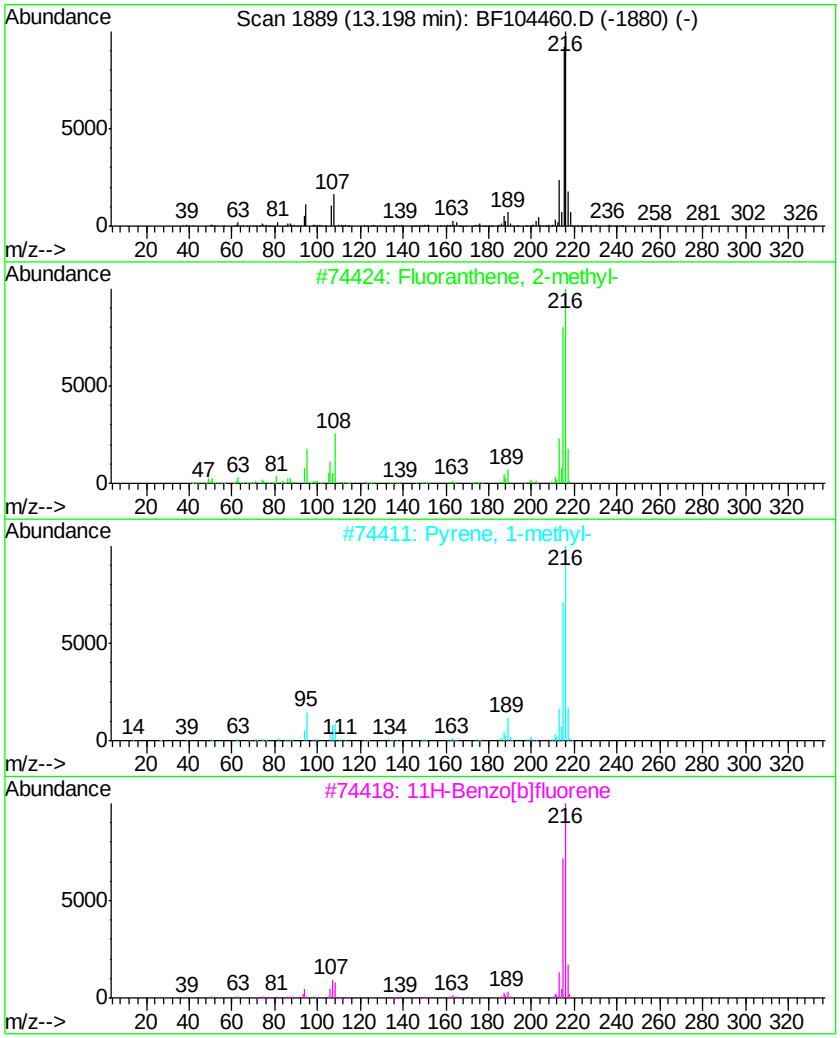
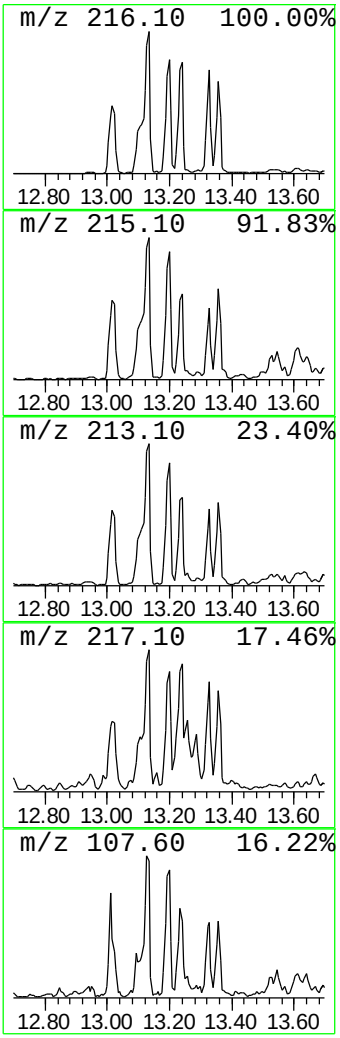
Peak Number 18 Fluoranthene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	9.34 ng	3080130	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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Data File : BF104460.D
Acq On : 12 Apr 2018 19:23
Operator : JU/SJ
Sample : J2163-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-041118-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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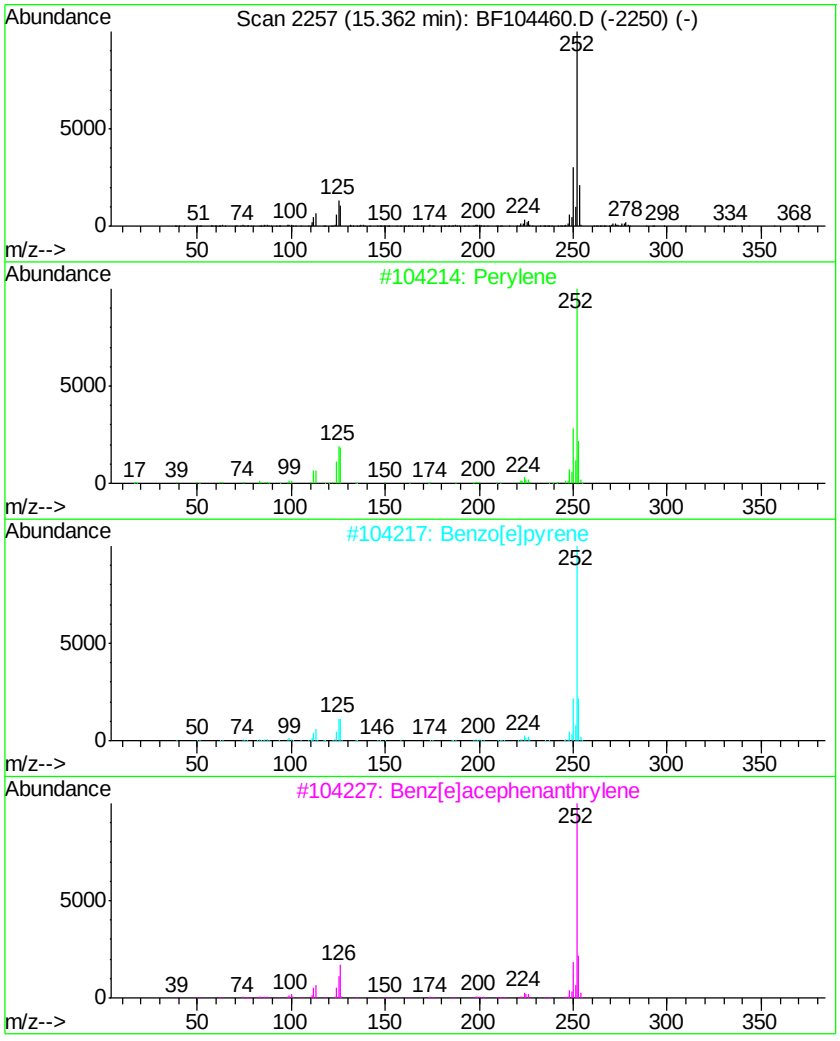
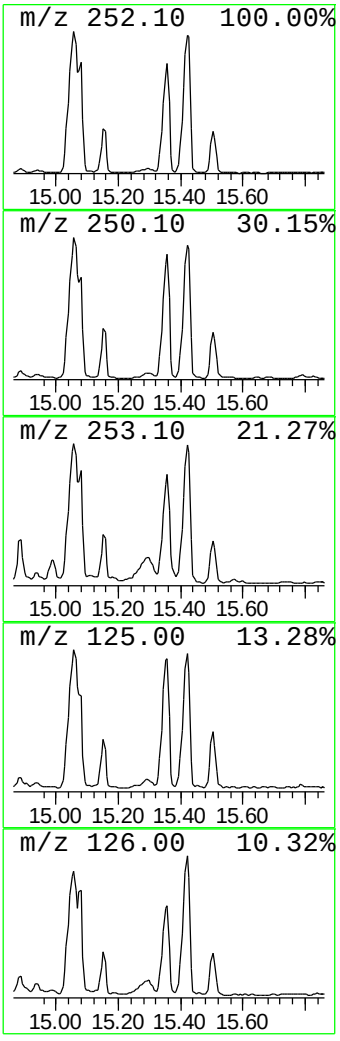
Peak Number 20 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	43.39 ng	2297150	Perylene-d12	15.47

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041218\
Data File : BF104460.D
Acq On : 12 Apr 2018 19:23
Operator : JU/SJ
Sample : J2163-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-041118-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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
unknown6.57	6.57	18.4	ng	729431	1	6.81	792159	20.0
Naphthalene, 1-me...	8.91	37.2	ng	2087650	2	8.09	1122900	20.0
Naphthalene, 1-et...	9.37	14.4	ng	783673	3	9.85	1091650	20.0
Naphthalene, 1,5-...	9.44	40.3	ng	2198810	3	9.85	1091650	20.0
Naphthalene, 2,3-...	9.52	48.6	ng	2651970	3	9.85	1091650	20.0
Naphthalene, 1,6-...	9.54	25.9	ng	1411150	3	9.85	1091650	20.0
Naphthalene, 2,3,...	9.96	15.2	ng	831637	3	9.85	1091650	20.0
1-Isopropenylnaph...	10.47	20.2	ng	1101410	3	9.85	1091650	20.0
Nordiphenamid	10.49	16.1	ng	879430	3	9.85	1091650	20.0
2,4,6-Cycloheptat...	10.56	16.2	ng	883774	3	9.85	1091650	20.0
4H-Cyclopenta[def...	11.97	9.9	ng	5509130	4	11.34	11120600	20.0
11H-Benzo[b]fluorene	13.13	9.0	ng	2979070	5	14.01	6595100	20.0
Fluoranthene, 2-m...	13.20	9.3	ng	3080130	5	14.01	6595100	20.0
Perylene	15.36	43.4	ng	2297150	6	15.47	1058840	20.0