LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012018\
Data File : BF102270.D
Acq On : 20 Jan 2018 17:14
Operator : SJ/JU
Sample : J1210-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4248

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-BF010918.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	5.328	546	551	555	rBV	2675073	2844207	18.50%	1.022%
2	6.363	722	727	731	rVV	2714114	2976708	19.36%	1.070%
3	6.487	744	748	752	rBV	2947221	2912216	18.94%	1.047%
4	6.716	784	787	791	rBV	1047734	898139	5.84%	0.323%
5	6.875	810	814	817	rBV	2651337	2258517	14.69%	0.812%
6	7.287	880	884	887	rVB	1936175	1786930	11.62%	0.642%
7	8.004	999	1006	1007	rBV	1265729	1330675	8.65%	0.478%
8	8.028	1007	1010	1013	rVV	3812796	3435770	22.34%	1.235%
9	8.728	1122	1129	1132	rVB	5631595	6720120	43.70%	2.416%
10	8.828	1139	1146	1148	rVB	5128067	6149103	39.99%	2.210%
11	9.081	1184	1189	1192	rVB	3467907	3033237	19.73%	1.090%
12	9.181	1198	1206	1209	rBV	1978583	1773723	11.53%	0.638%
13	9.275	1219	1222	1228	rVB	1165435	1359809	8.84%	0.489%
14	9.351	1228	1235	1238	rBV	3132440	4465558	29.04%	1.605%
15	9.428	1242	1248	1250	rBV	4076817	5781596	37.60%	2.078%
16	9.451	1250	1252	1255	rVB	3569020	2592160	16.86%	0.932%
17	9.539	1262	1267	1268	rBV	2643924	2548338	16.57%	0.916%
18	9.622	1275	1281	1284	rBV	3713941	3322898	21.61%	1.194%
19	9.745	1295	1302	1303	rBV	1639236	1816995	11.82%	0.653%
20	9.798	1307	1311	1313	rVV	4714952	4702168	30.58%	1.690%
21	9.863	1318	1322	1326	rVV2	990060	1287433	8.37%	0.463%
22	9.910	1326	1330	1333	rVV2	679956	893687	5.81%	0.321%
23	9.963	1336	1339	1342	rVV2	3928276	4552997	29.61%	1.637%
24	10.004	1342	1346	1349	rVV	2144884	1911819	12.43%	0.687%
25	10.075	1354	1358	1361	rBV2	1992860	2204666	14.34%	0.792%
26	10.104	1361	1363	1365	rVV	1690514	1209170	7.86%	0.435%
27	10.169	1369	1374	1375	rBV2	1303173	1906684	12.40%	0.685%
28	10.186	1375	1377	1379	rVB2	1209516	926898	6.03%	0.333%
29	10.263	1388	1390	1394	rVV3	945522	1282157	8.34%	0.461%
30	10.322	1394	1400	1403	rVB	5002477	7045894	45.82%	2.533%
31	10.375	1403	1409	1410	rBV2	1236250	1732737	11.27%	0.623%
32	10.392	1410	1412	1414	rVV	1296202	1148605	7.47%	0.413%
33	10.416	1414	1416	1418	rVV	923286	863735	5.62%	0.310%
34	10.463	1421	1424	1428	rVV2	1905130	2192530	14.26%	0.788%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012018\
Data File : BF102270.D
Acq On : 20 Jan 2018 17:14
Operator : SJ/JU
Sample : J1210-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4248

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-BF010918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.551	1432	1439	1442	rVV2	2390643	2934548	19.08%	1.055%
36	10.669	1454	1459	1464	rVB2	1358890	1529518	9.95%	0.550%
37	10.857	1482	1491	1493	rBV2	2565508	3692610	24.01%	1.327%
38	10.886	1493	1496	1498	rVV	2271284	1910421	12.42%	0.687%
39	10.939	1502	1505	1507	rVB	1844348	1493578	9.71%	0.537%
40	11.057	1522	1525	1528	rVB2	1213833	1253510	8.15%	0.451%
41	11.098	1528	1532	1536	rBV3	759854	1040692	6.77%	0.374%
42	11.145	1536	1540	1546	rVB	2686858	2761637	17.96%	0.993%
43	11.298	1553	1566	1569	rBV	6406211	15377043	100.00%	5.527%
44	11.333	1569	1572	1574	rVV	3407499	3050371	19.84%	1.096%
45	11.357	1574	1576	1579	rVV2	1341931	1369947	8.91%	0.492%
46	11.480	1595	1597	1605	rVV3	1009916	1339388	8.71%	0.481%
47	11.580	1609	1614	1618	rVB3	1992330	2264036	14.72%	0.814%
48	11.663	1622	1628	1631	rVB2	1370024	1911677	12.43%	0.687%
49	11.757	1639	1644	1646	rBV	3923857	5149854	33.49%	1.851%
50	11.792	1646	1650	1652	rVB	4891125	5561842	36.17%	1.999%
51	11.833	1652	1657	1659	rBV	1888774	2003792	13.03%	0.720%
52	11.874	1659	1664	1666	rVV	4597879	6270550	40.78%	2.254%
53	11.898	1666	1668	1671	rVB	4097847	3680665	23.94%	1.323%
54	11.980	1680	1682	1685	rVV	1045356	900530	5.86%	0.324%
55	12.045	1685	1693	1696	rVV	2331736	3460456	22.50%	1.244%
56	12.080	1696	1699	1703	rVV3	1603581	1760123	11.45%	0.633%
57	12.192	1716	1718	1721	rVV	1534870	1749128	11.37%	0.629%
58	12.227	1721	1724	1726	rVV	2008123	2182601	14.19%	0.785%
59	12.251	1726	1728	1731	rVV	1383164	1162163	7.56%	0.418%
60	12.310	1731	1738	1740	rVV	3177780	4735612	30.80%	1.702%
61	12.345	1740	1744	1746	rVV2	2681824	4275189	27.80%	1.537%
62	12.398	1749	1753	1757	rVV3	1904273	3329778	21.65%	1.197%
63	12.480	1761	1767	1770	rVV2	5061597	8653733	56.28%	3.111%
64	12.510	1770	1772	1774	rVV	1221330	1332589	8.67%	0.479%
65	12.527	1774	1775	1778	rVV2	1428010	1289347	8.38%	0.463%
66	12.563	1778	1781	1784	rVV	1105922	1157538	7.53%	0.416%
67	12.616	1786	1790	1792	rVV2	1263830	1605501	10.44%	0.577%
68	12.716	1799	1807	1809	rVV2	5359468	10052617	65.37%	3.613%
69	12.751	1809	1813	1816	rVV2	1369783	1759342	11.44%	0.632%
70	12.804	1816	1822	1824	rVV3	943868	1630829	10.61%	0.586%
71	12.833	1824	1827	1834	rVV2	2158548	3539616	23.02%	1.272%

LSC Area Percent Report

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Data File : BF102270.D
Acq On : 20 Jan 2018 17:14
Operator : SJ/JU
Sample : J1210-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4248

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-BF010918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.910	1836	1840	1847	rVV5	1846416	3535468	22.99%	1.271%
73	12.969	1847	1850	1852	rVV2	884842	1026275	6.67%	0.369%
74	13.004	1852	1856	1857	rVV3	1657546	2357655	15.33%	0.847%
75	13.027	1857	1860	1863	rVV	2793549	3038294	19.76%	1.092%
76	13.092	1863	1871	1874	rVV2	2138406	3323851	21.62%	1.195%
77	13.133	1874	1878	1884	rVV2	2537812	3845874	25.01%	1.382%
78	13.221	1889	1893	1895	rVV	2253198	2760274	17.95%	0.992%
79	13.257	1895	1899	1906	rVV	2401683	3083681	20.05%	1.108%
80	13.421	1924	1927	1929	rVV	1019123	1481640	9.64%	0.533%
81	13.445	1929	1931	1933	rVV	1090663	1232419	8.01%	0.443%
82	13.504	1937	1941	1943	rVV	928604	1533551	9.97%	0.551%
83	13.533	1943	1946	1950	rVV2	1618941	2347184	15.26%	0.844%
84	13.586	1953	1955	1958	rVV	855868	1018900	6.63%	0.366%
85	13.639	1959	1964	1967	rVV3	1431041	2913601	18.95%	1.047%
86	13.668	1967	1969	1971	rVV	1366181	1216319	7.91%	0.437%
87	13.692	1971	1973	1976	rVV2	846483	1186129	7.71%	0.426%
88	13.739	1979	1981	1984	rVV	1202814	1366210	8.88%	0.491%
89	13.886	2000	2006	2009	rVV2	3047764	5483952	35.66%	1.971%
90	13.927	2009	2013	2019	rVV	3612552	5214055	33.91%	1.874%
91	14.039	2029	2032	2041	rVV6	984341	2481692	16.14%	0.892%
92	14.280	2068	2073	2076	rVV	2122691	3118779	20.28%	1.121%
93	14.310	2076	2078	2081	rVV	1537096	1642080	10.68%	0.590%
94	14.351	2081	2085	2087	rVV2	818230	1352183	8.79%	0.486%
95	14.374	2087	2089	2091	rVV	1051444	1013355	6.59%	0.364%
96	14.404	2091	2094	2096	rVV	1499433	1728321	11.24%	0.621%
97	14.915	2174	2181	2187	rBV	1522192	3386271	22.02%	1.217%
98	15.204	2225	2230	2234	rVB	1092960	1501521	9.76%	0.540%
99	15.262	2235	2240	2244	rBV2	1470892	2075648	13.50%	0.746%
100	17.133	2552	2558	2565	rVB	433859	896518	5.83%	0.322%

Sum of corrected areas: 278201950

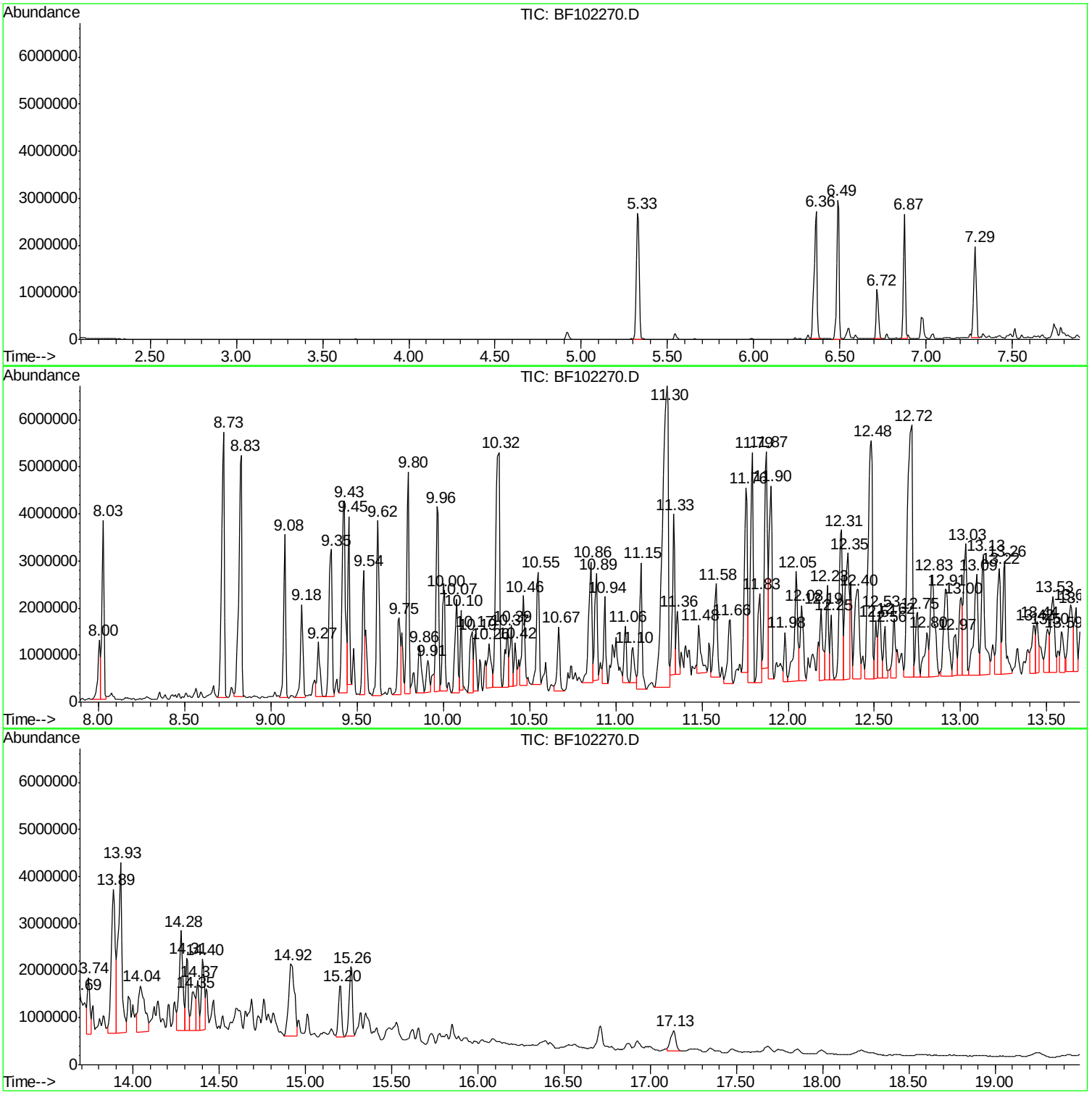
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012018\
Data File : BF102270.D
Acq On : 20 Jan 2018 17:14
Operator : SJ/JU
Sample : J1210-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4248

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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\BF012018\
Data File : BF102270.D
Acq On : 20 Jan 2018 17:14
Operator : SJ/JU
Sample : J1210-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4248

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

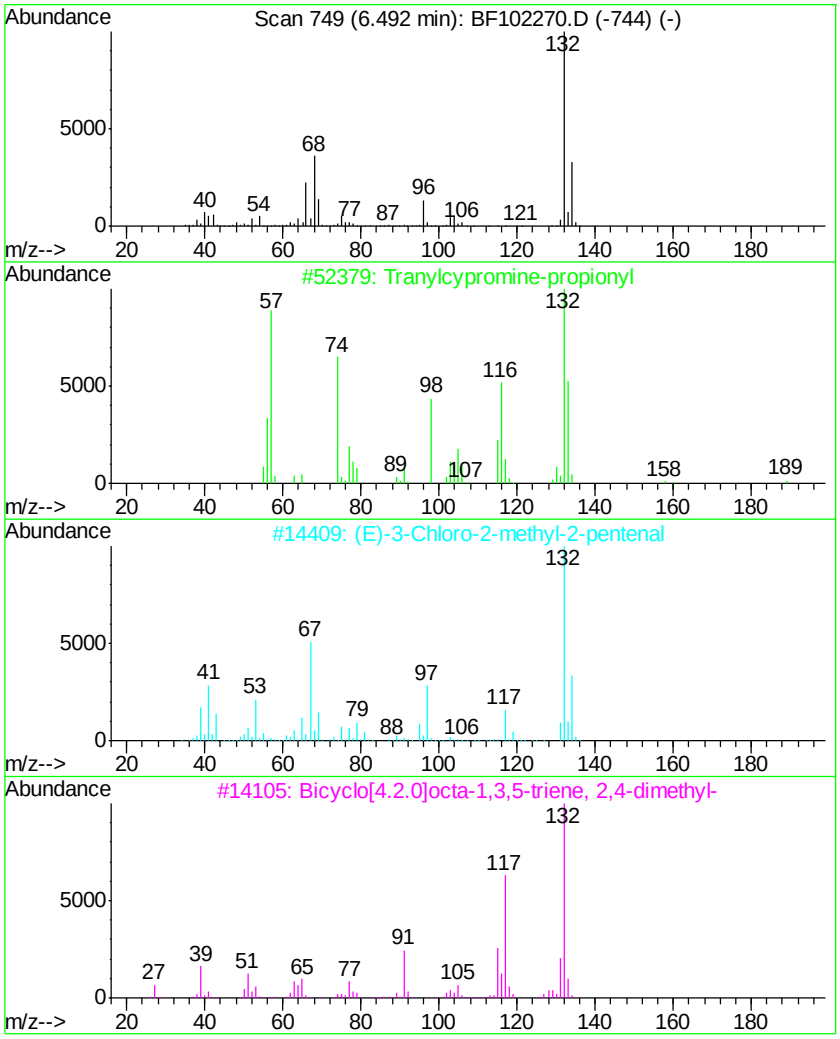
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

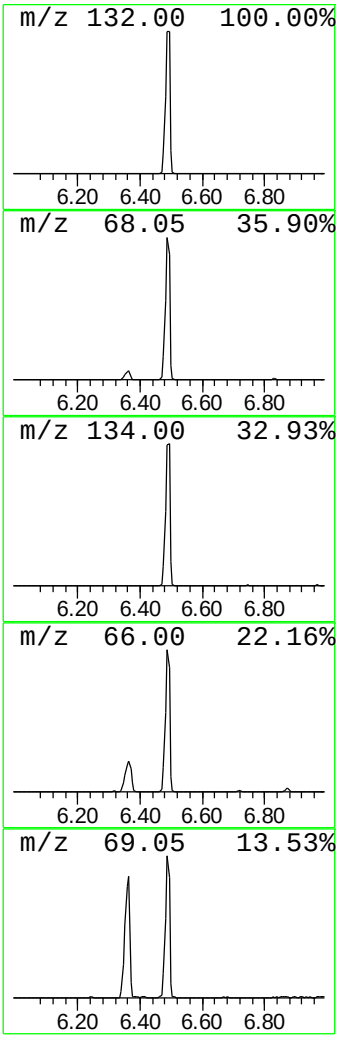
****

Peak Number 1 unknown6.49 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	64.85 ng	2912220	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012018\
Data File : BF102270.D
Acq On : 20 Jan 2018 17:14
Operator : SJ/JU
Sample : J1210-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4248

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

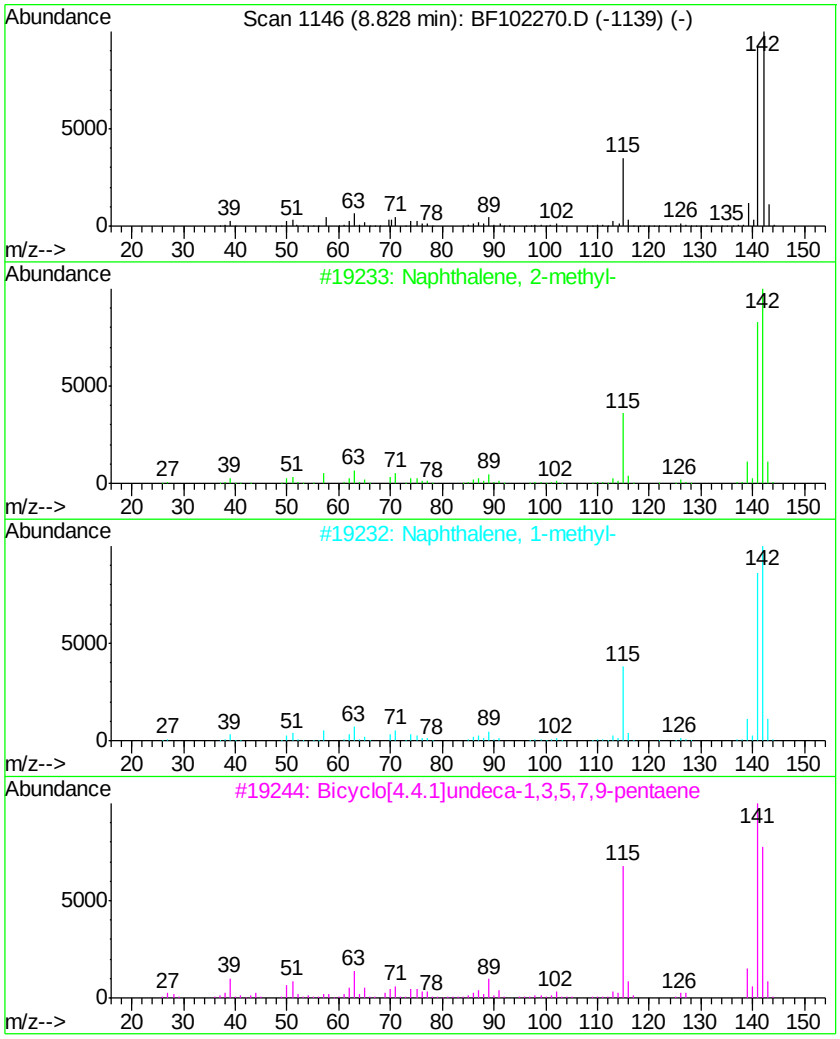
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

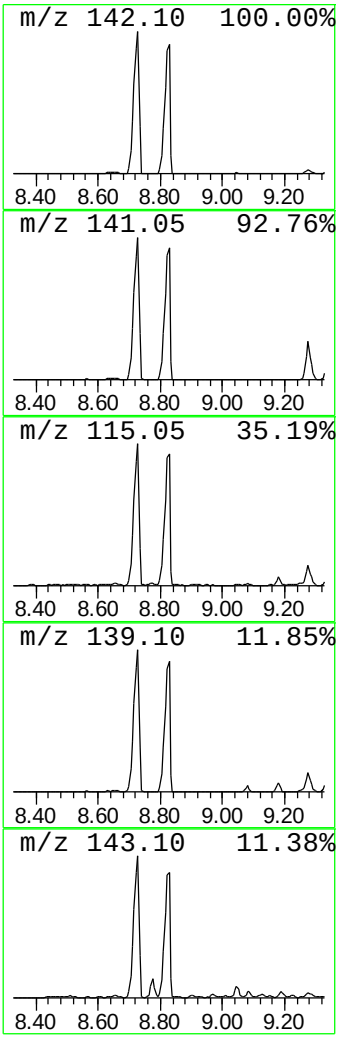
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.83	92.42 ng	6149100	Naphthalene-d8	8.00

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





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Sample : J1210-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4248

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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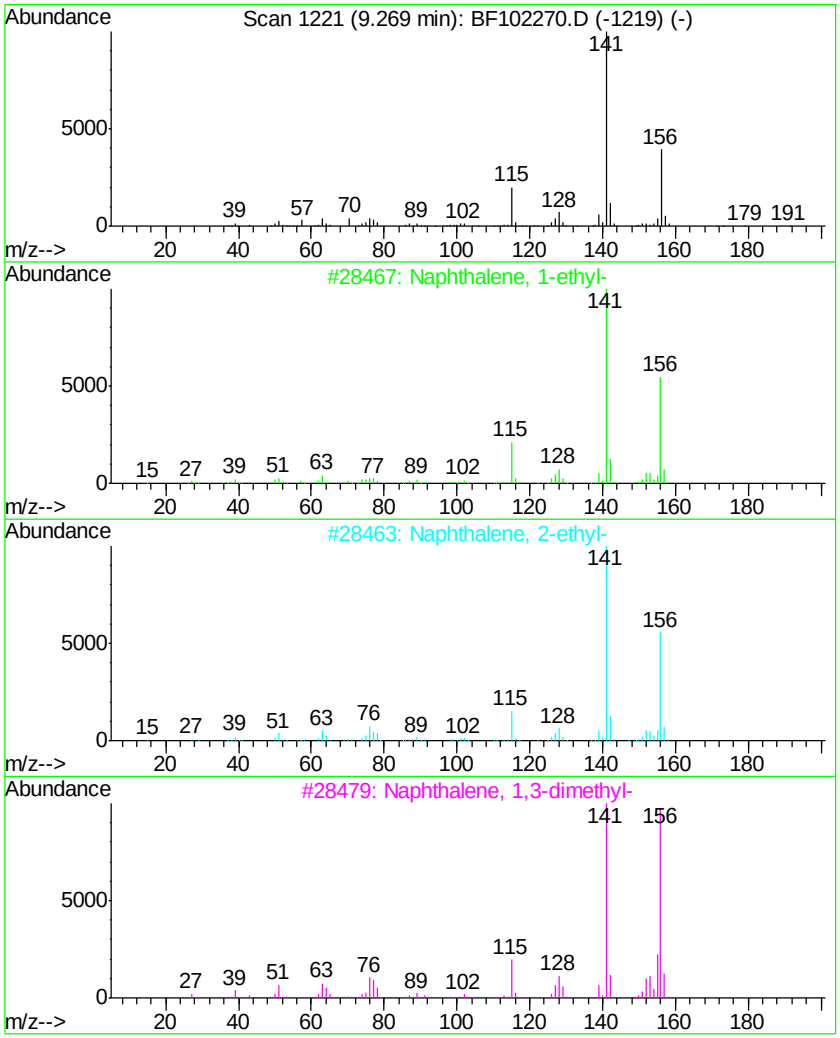
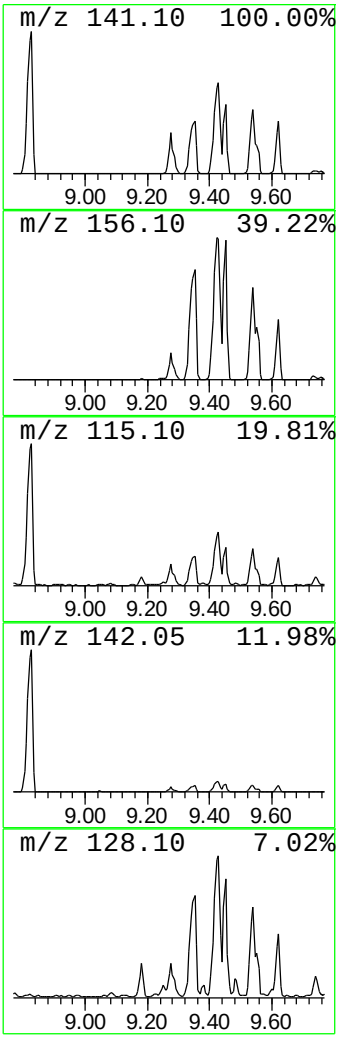
Peak Number 4 Naphthalene, 1-ethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.27	14.97 ng	1359810	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	86
4	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	80
5	2-Amino-4-tertbutylthiazole	156	C7H12N2S	074370-93-7	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012018\
Data File : BF102270.D
Acq On : 20 Jan 2018 17:14
Operator : SJ/JU
Sample : J1210-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4248

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

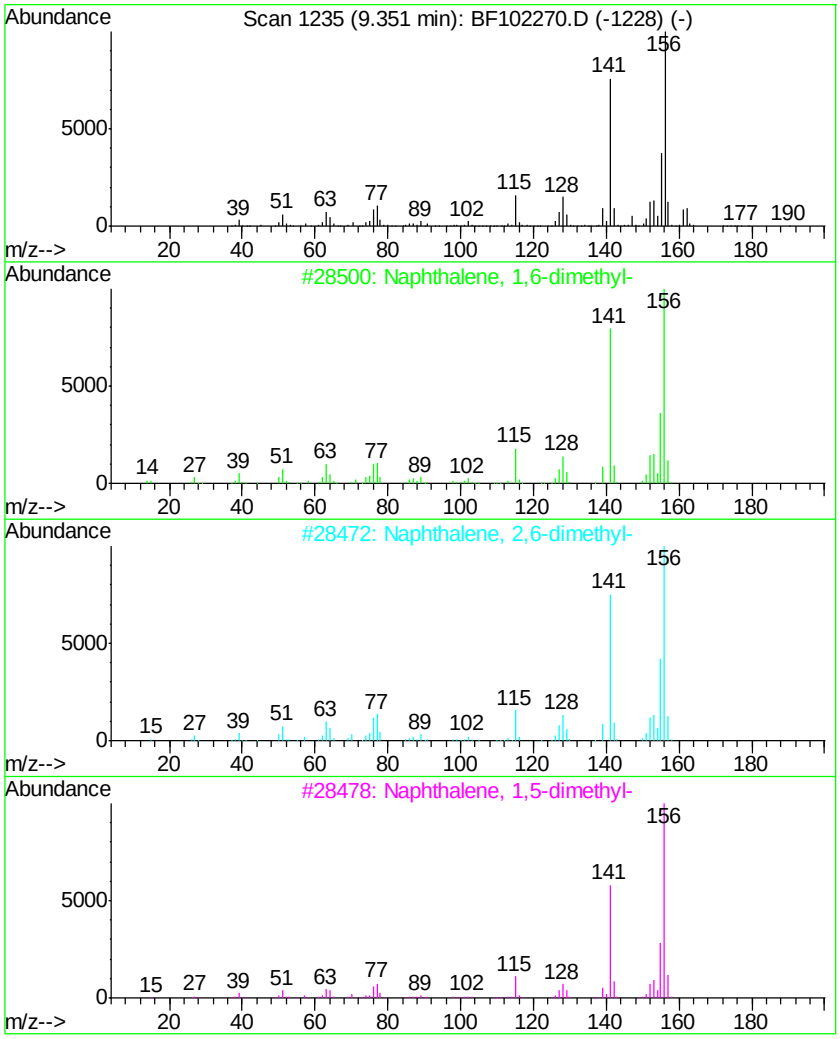
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

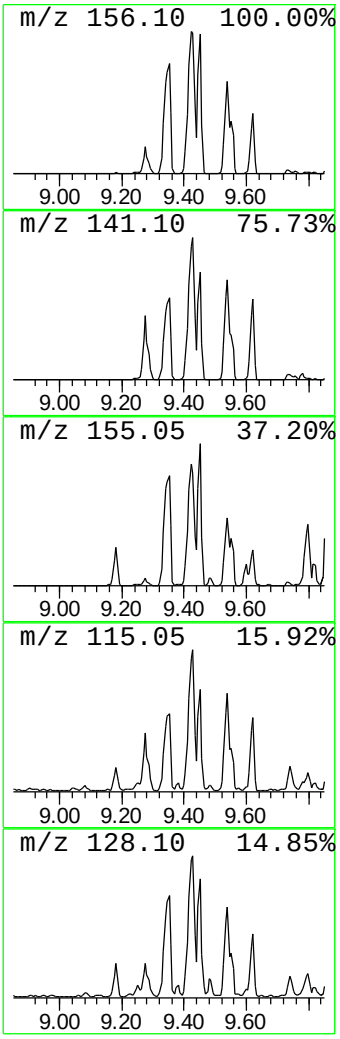
****

Peak Number 5 Naphthalene, 1,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.35	49.15 ng	4465560	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012018\
Data File : BF102270.D
Acq On : 20 Jan 2018 17:14
Operator : SJ/JU
Sample : J1210-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4248

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

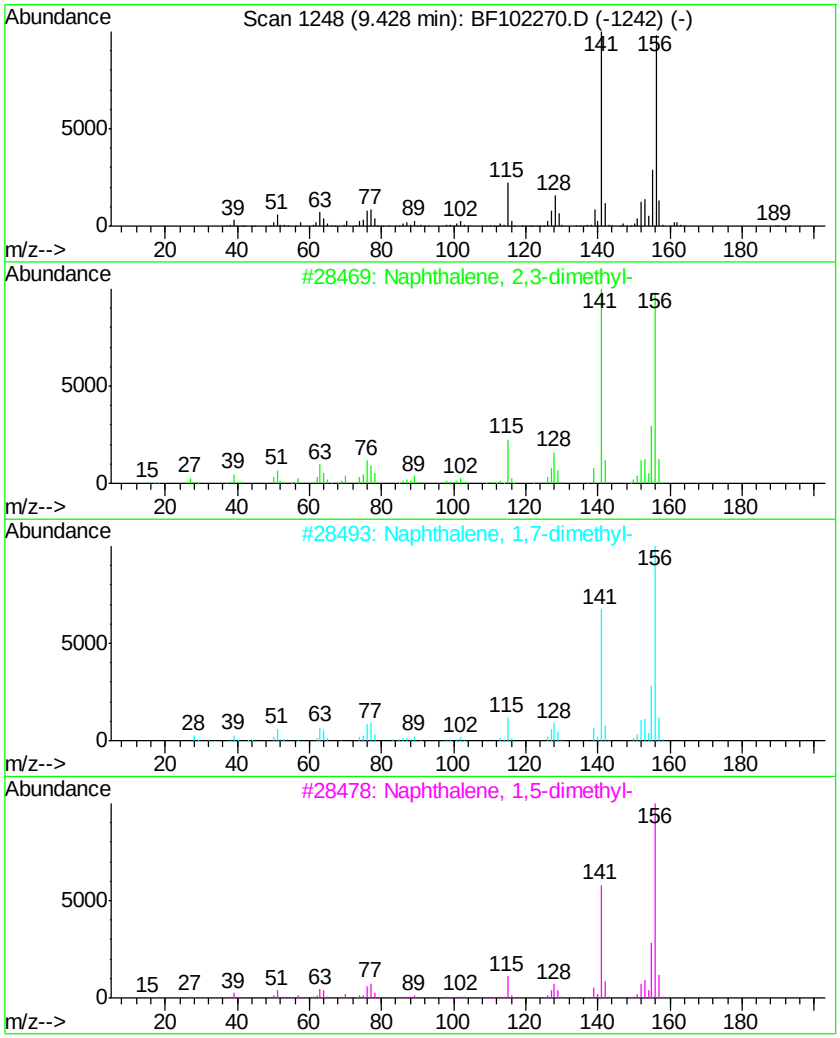
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

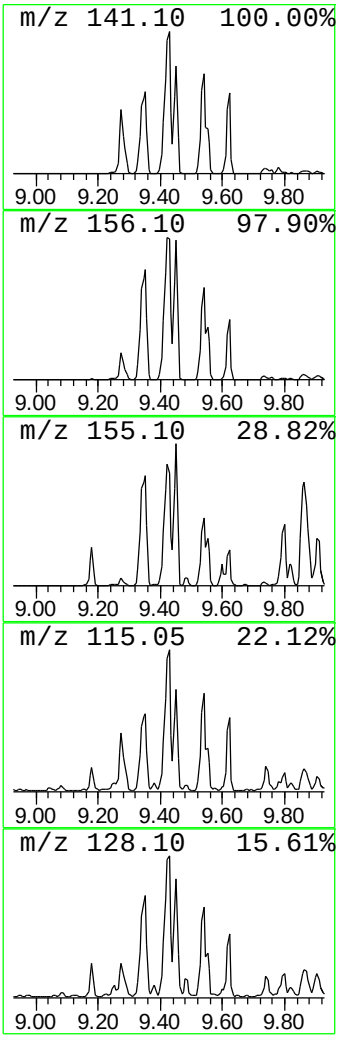
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.43	63.64 ng	5781600	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
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	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





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Data File : BF102270.D
Acq On : 20 Jan 2018 17:14
Operator : SJ/JU
Sample : J1210-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4248

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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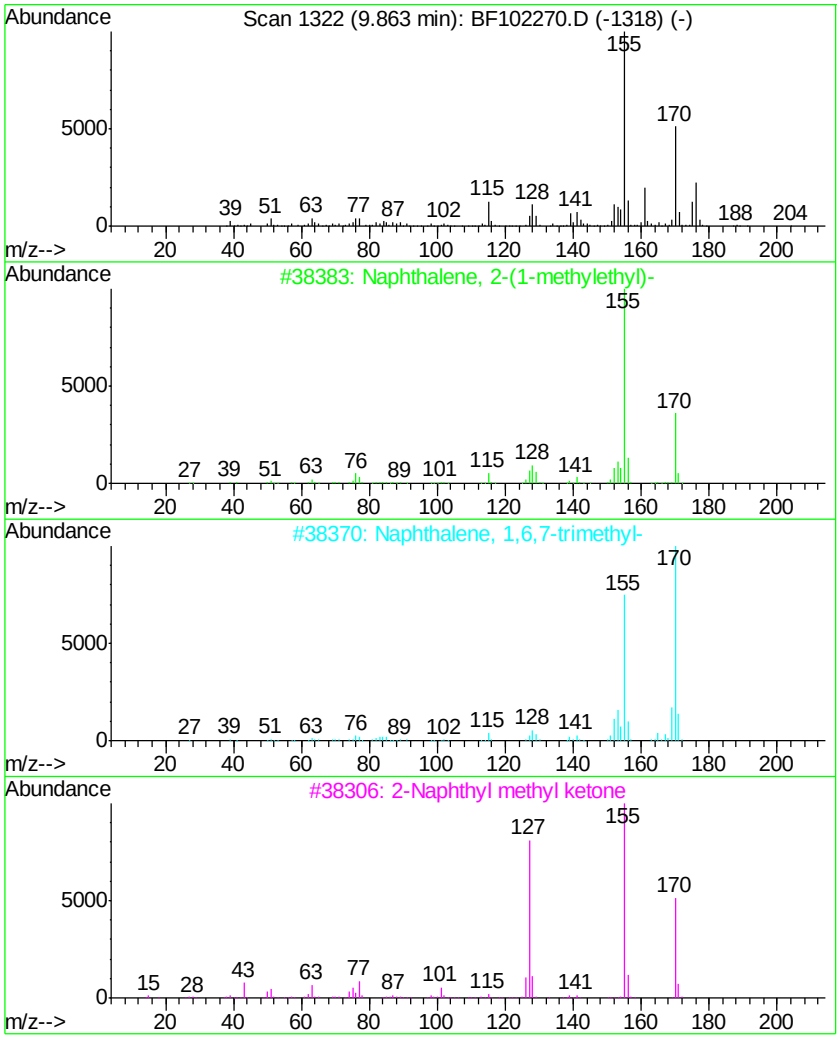
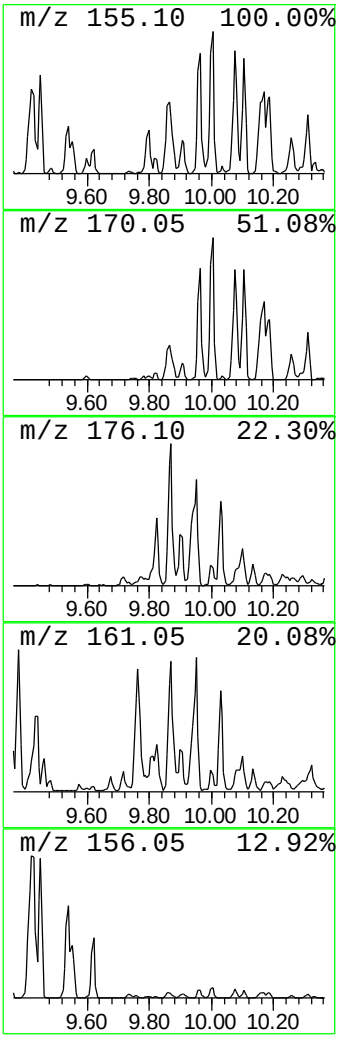
Peak Number 8 Naphthalene, 2-(1-methyleth... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.86	14.17 ng	1287430	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	76
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	58
3	2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	58
4	Ethanone, 1-(1-Naphthalenyl)-	170	C12H10O	000941-98-0	52
5	Ethanone, 1-(5-chloro-2-hydroxyp...	170	C8H7ClO2	001450-74-4	52





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Sample : J1210-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4248

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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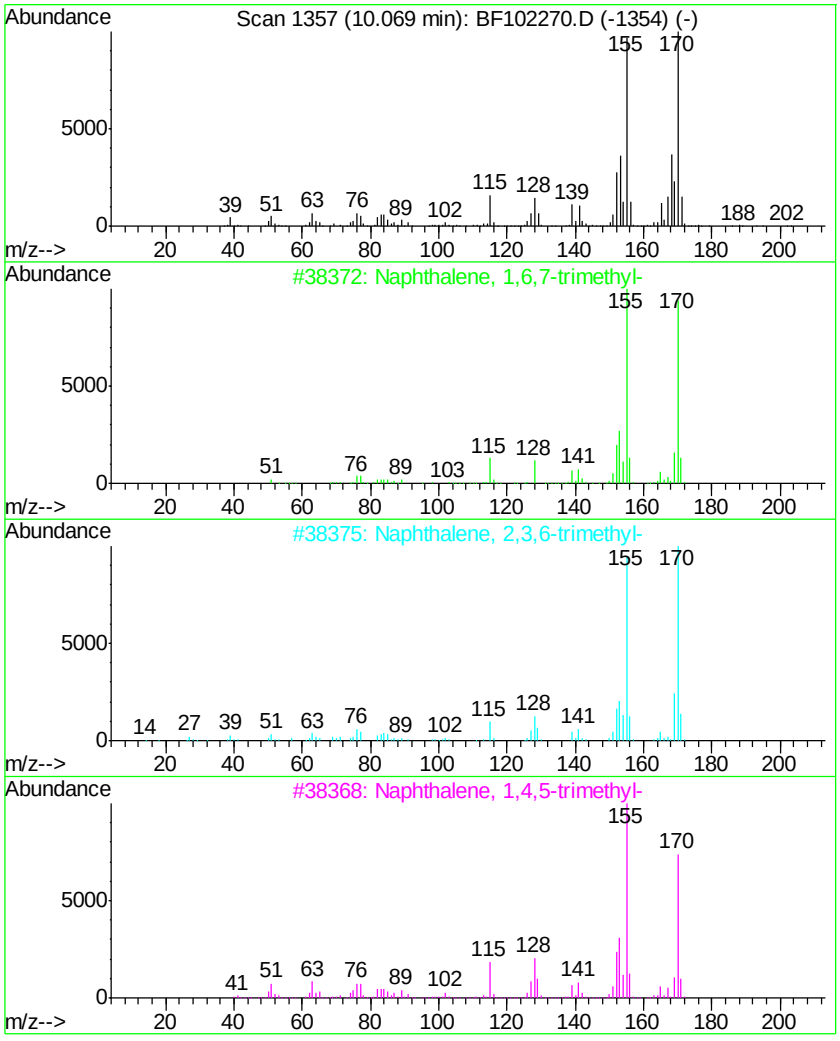
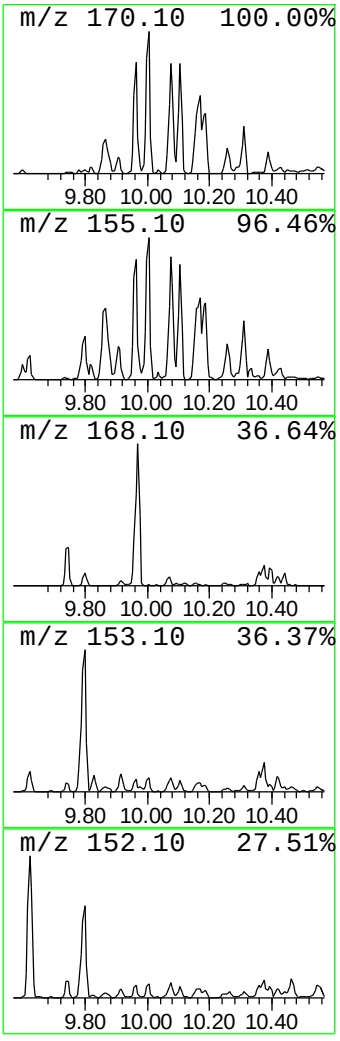
Peak Number 9 Naphthalene, 1,6,7-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.07	24.27 ng	2204670	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91





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Operator : SJ/JU
Sample : J1210-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4248

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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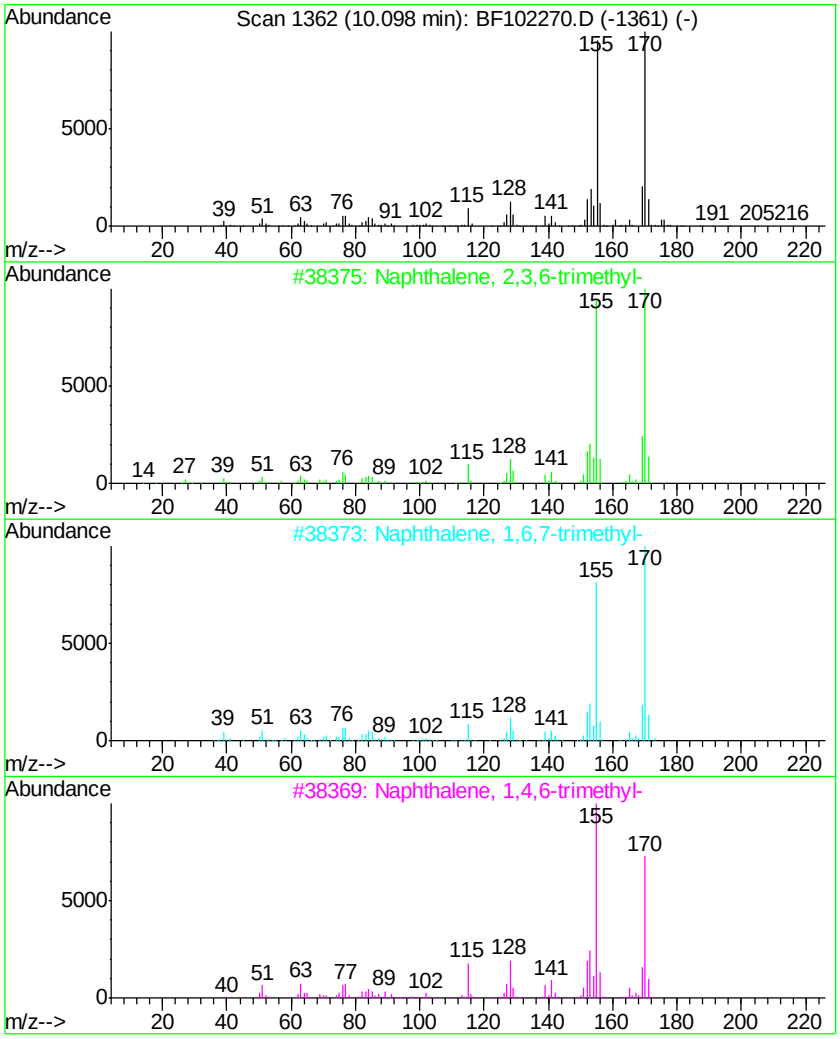
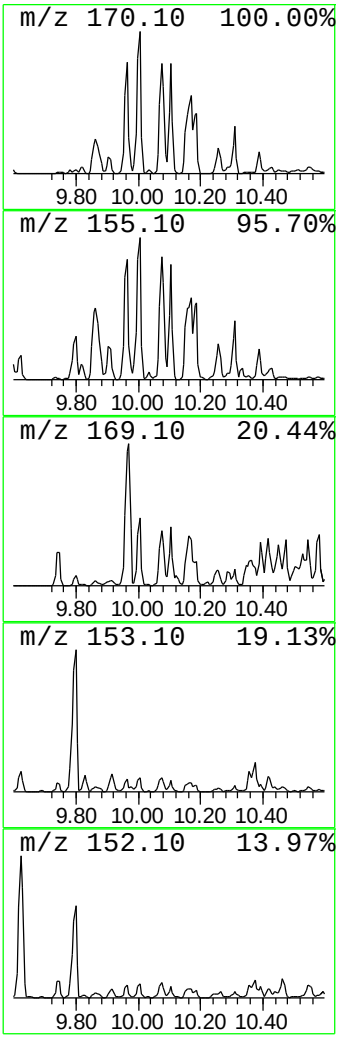
Peak Number 10 Naphthalene, 2,3,6-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.10	13.31 ng	1209170	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	91





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Acq On : 20 Jan 2018 17:14
Operator : SJ/JU
Sample : J1210-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4248

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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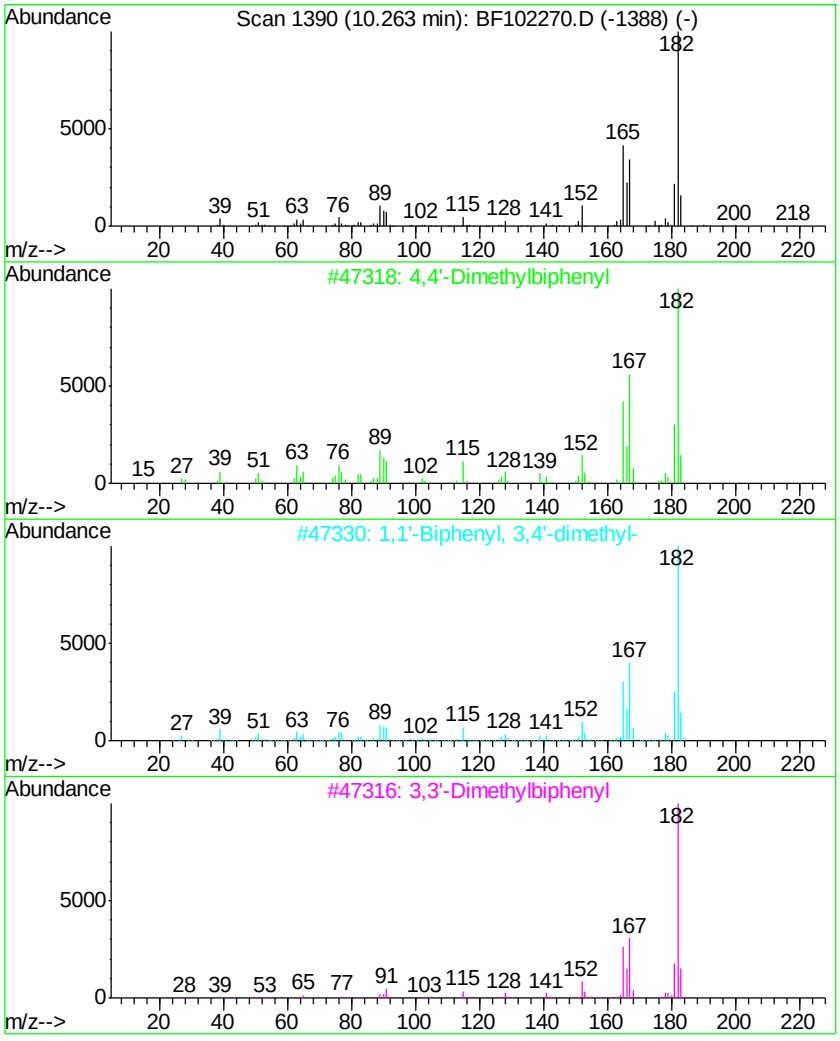
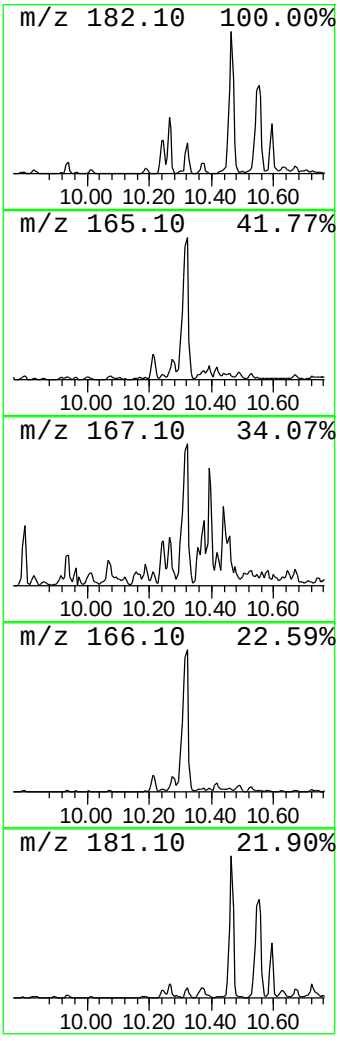
Peak Number 12 4,4'-Dimethylbiphenyl Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.26	14.11 ng	1282160	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	87
2	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	87
3	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	87
4	2-Dimethylamino-6,7-dihydro-4H-o...	182	C7H10N4O2	062626-99-7	49
5	1,4-Methanonaphthalene,1,4-dihyd...	182	C14H14	007350-72-3	47





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Acq On : 20 Jan 2018 17:14
Operator : SJ/JU
Sample : J1210-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4248

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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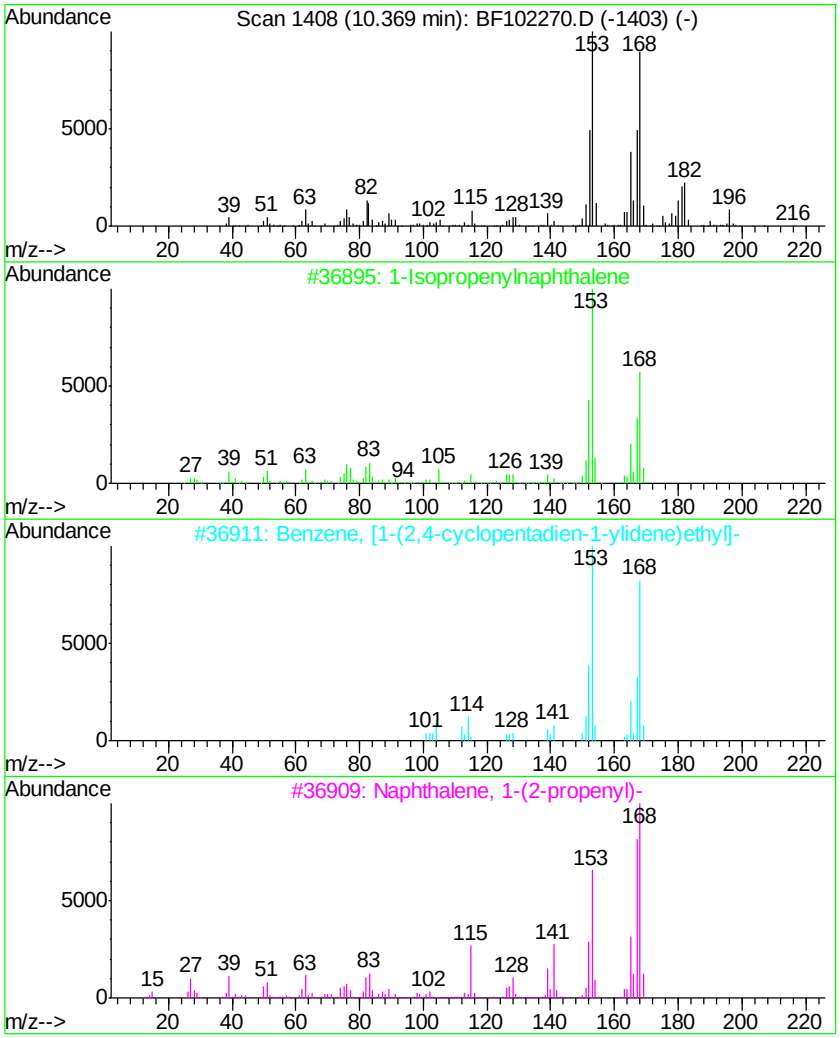
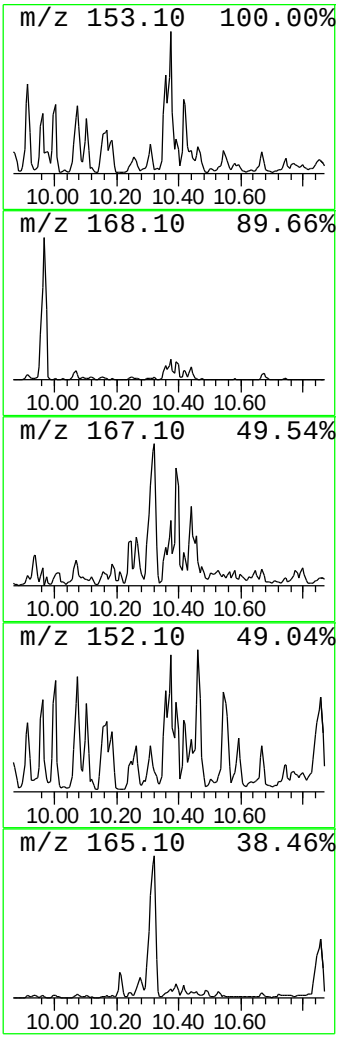
Peak Number 13 1-Isopropenylnaphthalene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.37	19.07 ng	1732740	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	91
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	74
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	53
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	50
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	47





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Acq On : 20 Jan 2018 17:14
Operator : SJ/JU
Sample : J1210-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4248

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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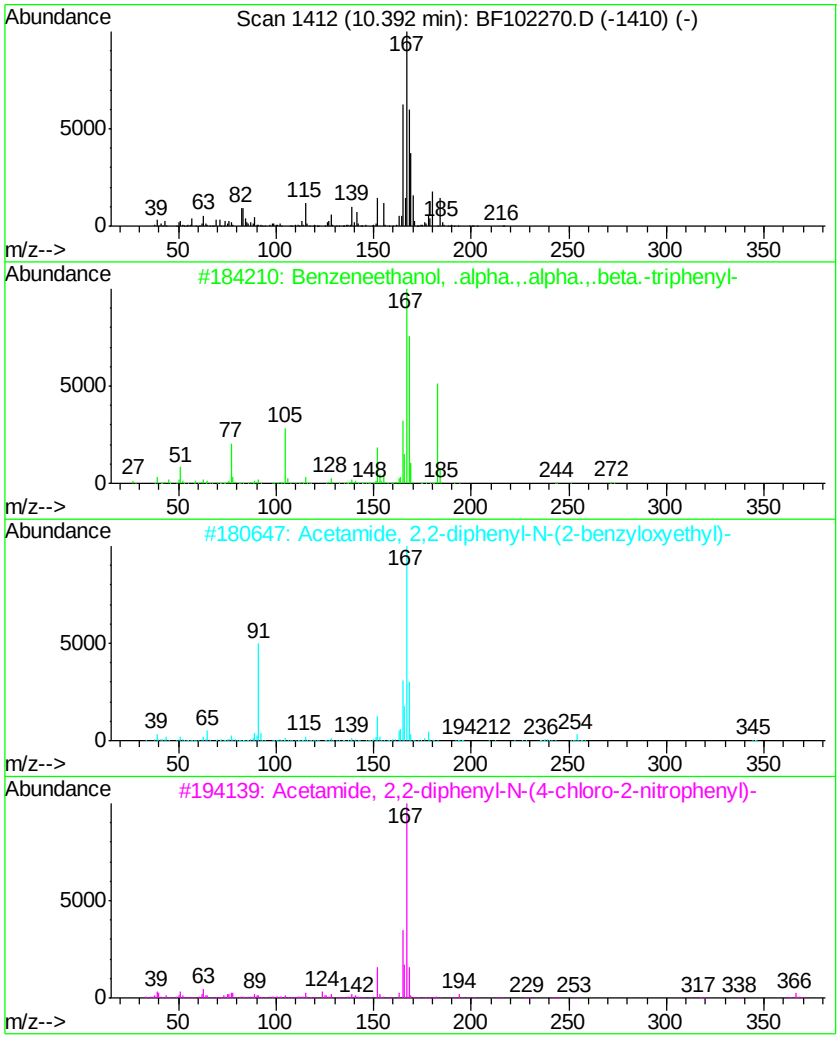
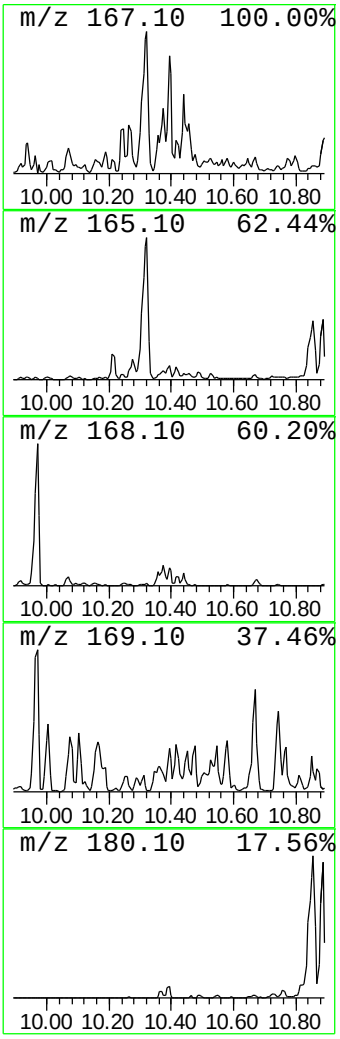
Peak Number 14 Benzeneethanol, .alpha.,.al... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.39	12.64 ng	1148610	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	53
2	Acetamide, 2,2-diphenyl-N-(2-ben...	345	C23H23NO2	329919-60-0	47
3	Acetamide, 2,2-diphenyl-N-(4-chl...	366	C20H15ClN2O3	1000295-48-3	43
4	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	43
5	Benzene, 1,1'-(chloromethylene)bis-	202	C13H11Cl	000090-99-3	43





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Acq On : 20 Jan 2018 17:14
Operator : SJ/JU
Sample : J1210-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4248

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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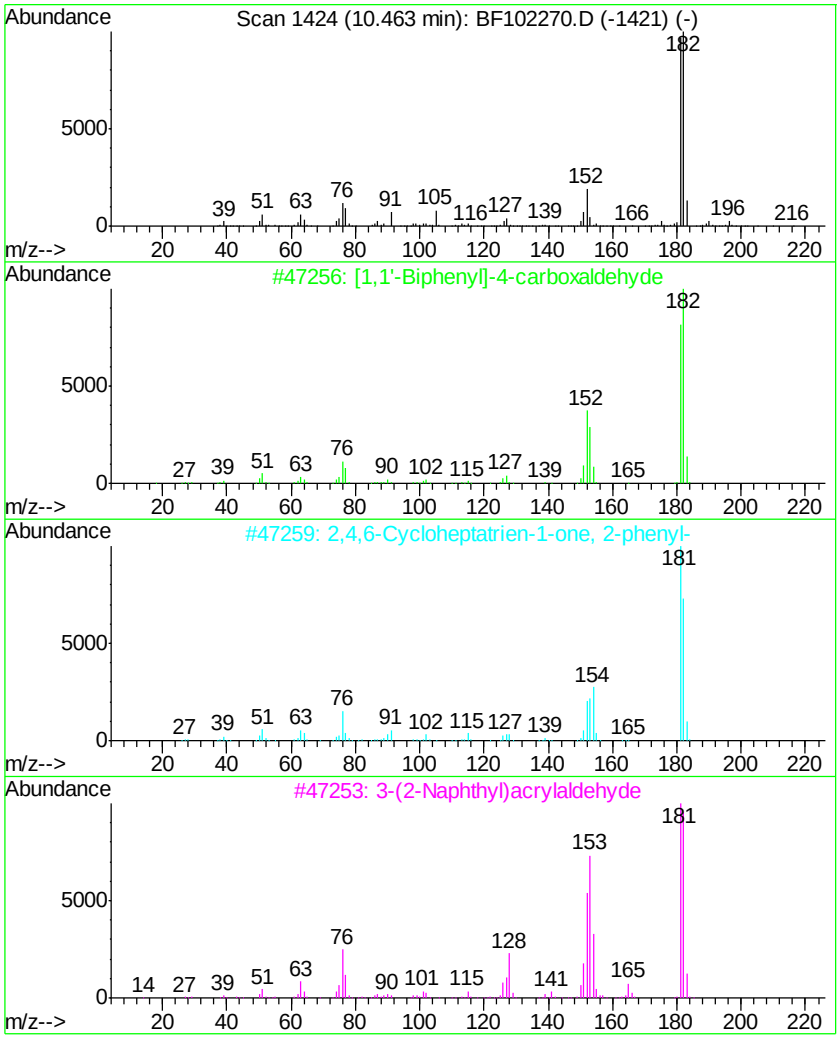
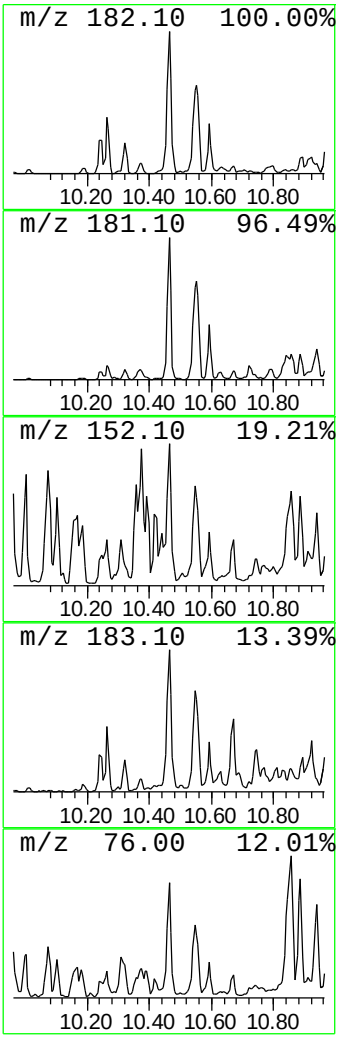
Peak Number 15 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.46	24.13 ng	2192530	Acenaphthene-d10	9.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
3	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
4	Norharmane, N-methyl-	182	C12H10N2	1000374-78-6	64
5	Benzenamine, N-(3-pyridinylmethy...	182	C12H10N2	029722-97-2	64





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Instrument : BNA_F
ClientSampleId : RT-4248

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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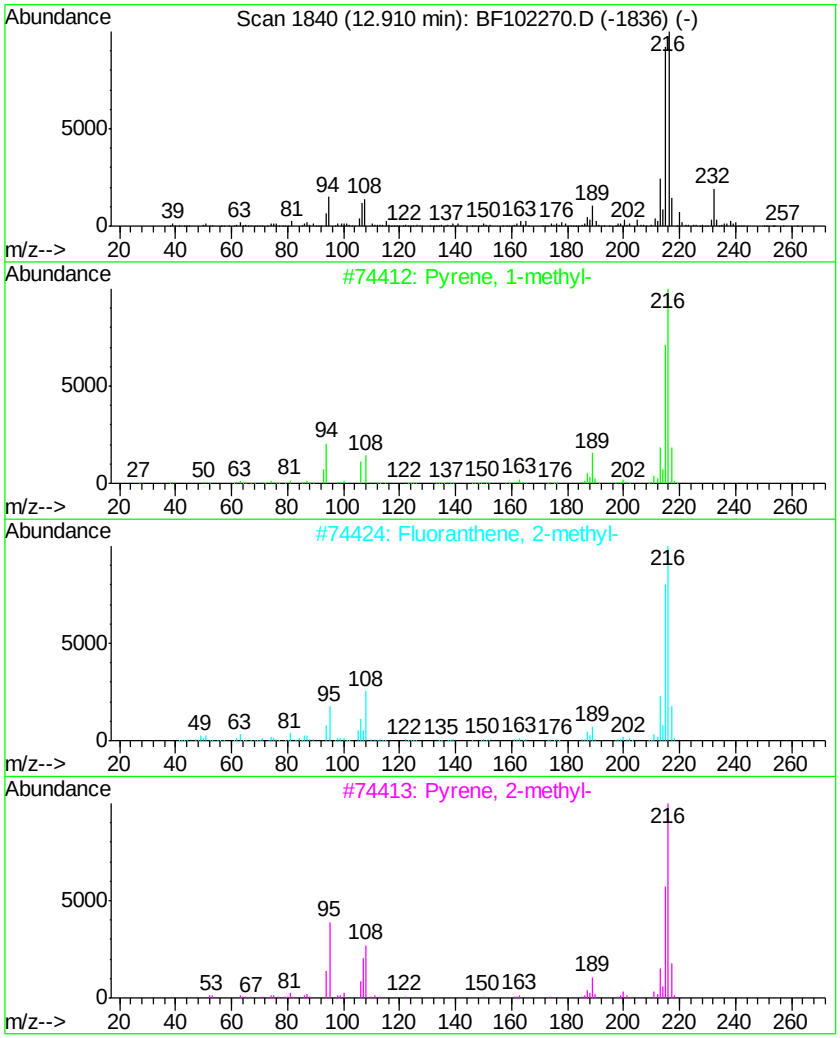
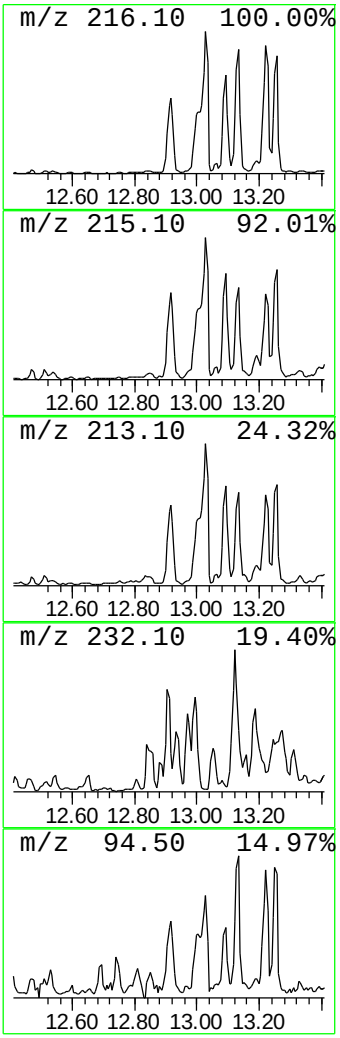
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.91	12.89 ng	3535470	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Instrument : BNA_F
ClientSampleId : RT-4248

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TIC Library : C:\DATABASE\NIST11.L
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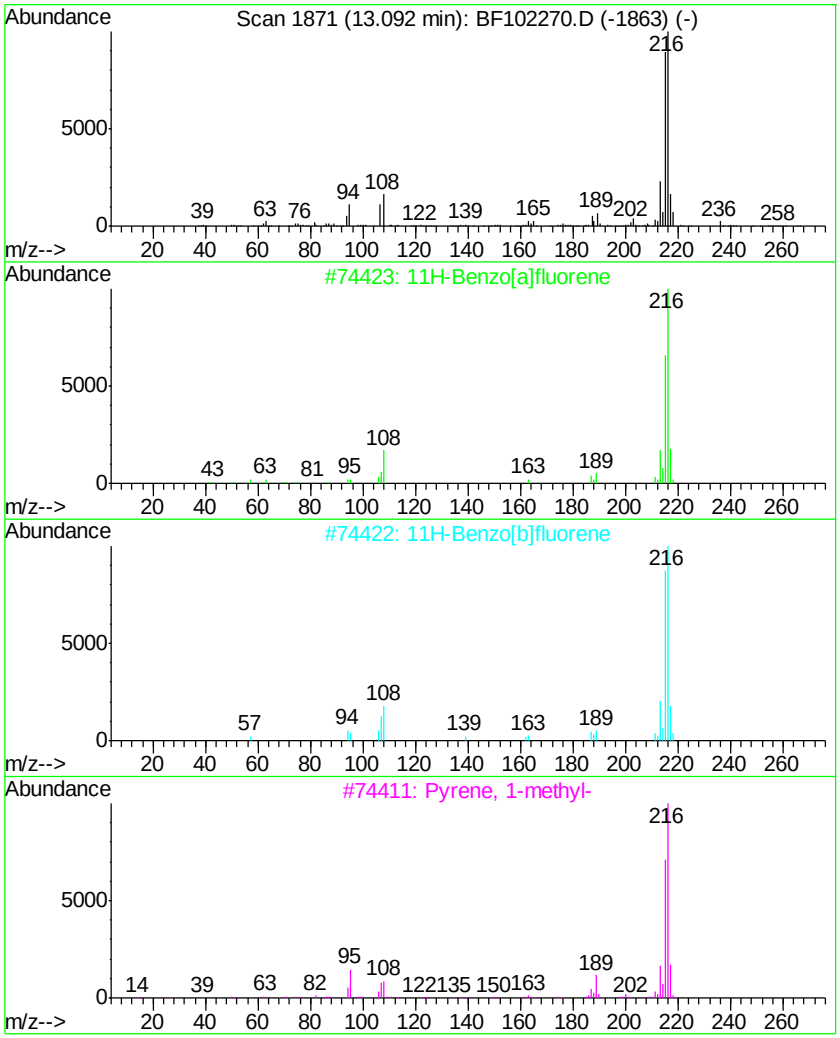
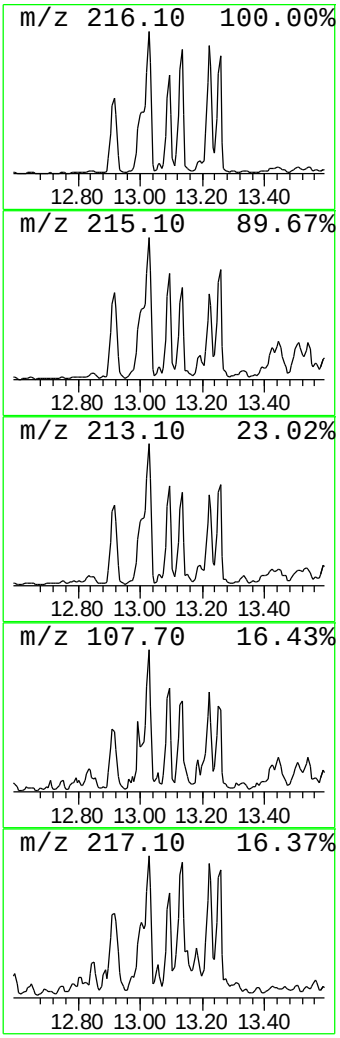
Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	12.12 ng	3323850	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4248

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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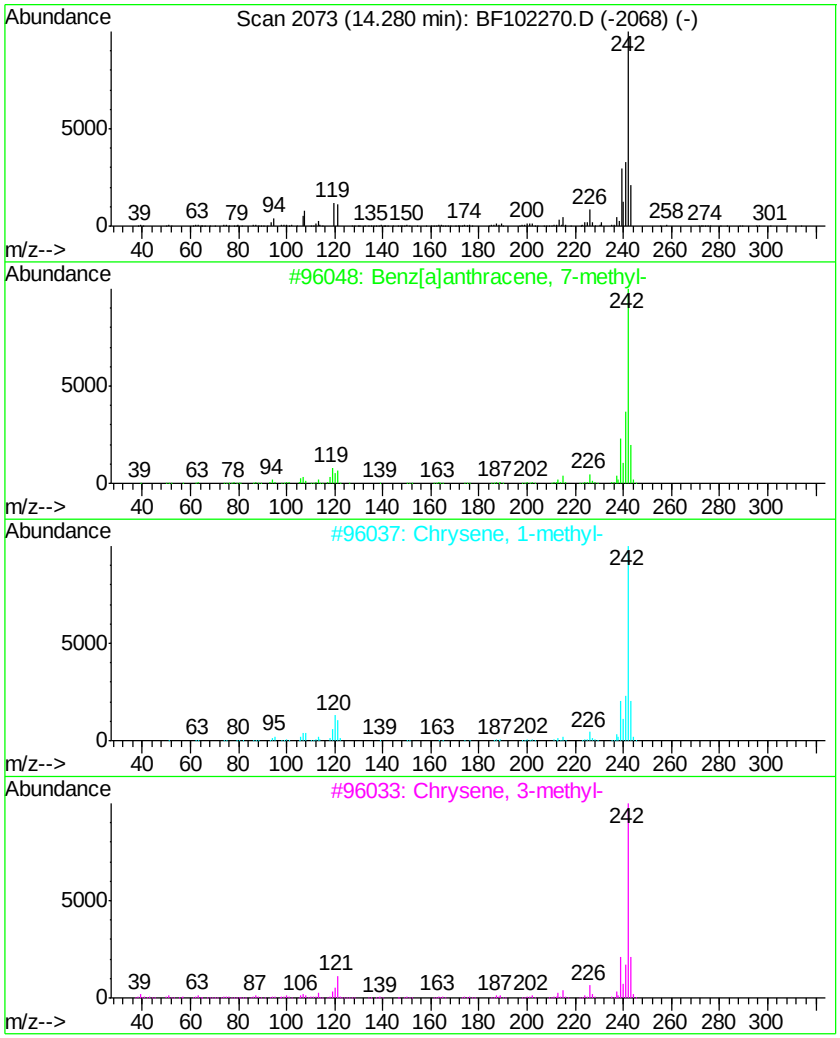
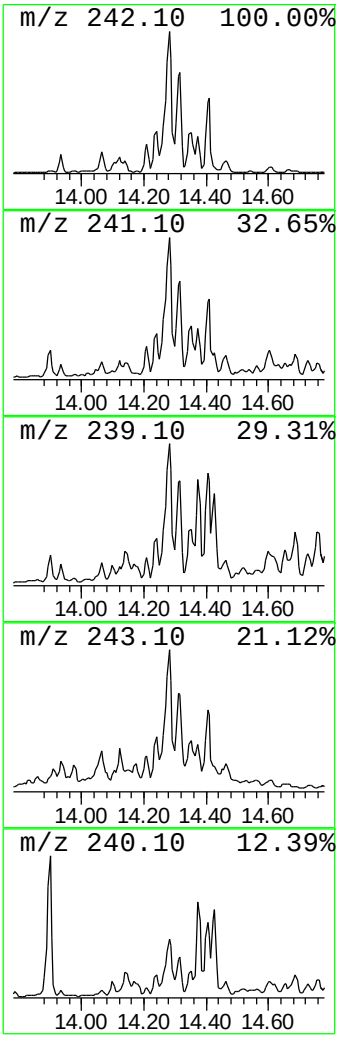
Peak Number 19 Benz[a]anthracene, 7-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	11.37 ng	3118780	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	94
3	Chrysene, 3-methyl-	242	C19H14	003351-31-3	94
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	93
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90





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ALS Vial : 20 Sample Multiplier: 1

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ClientSampleId : RT-4248

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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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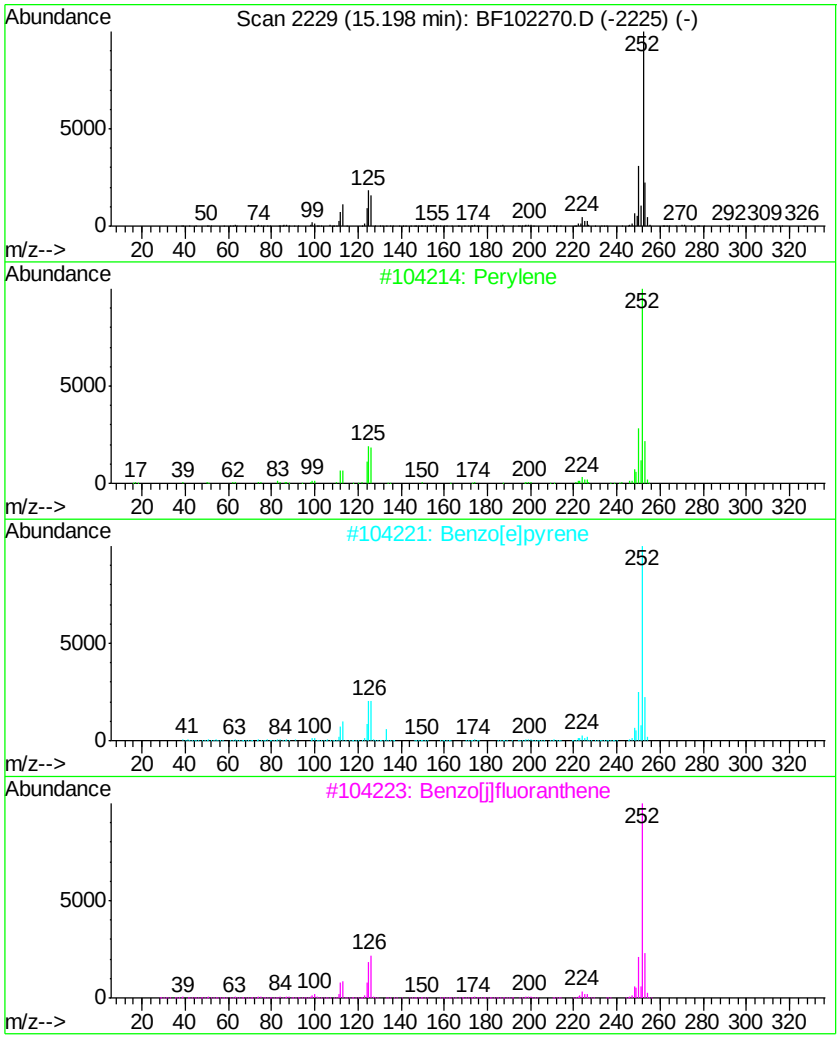
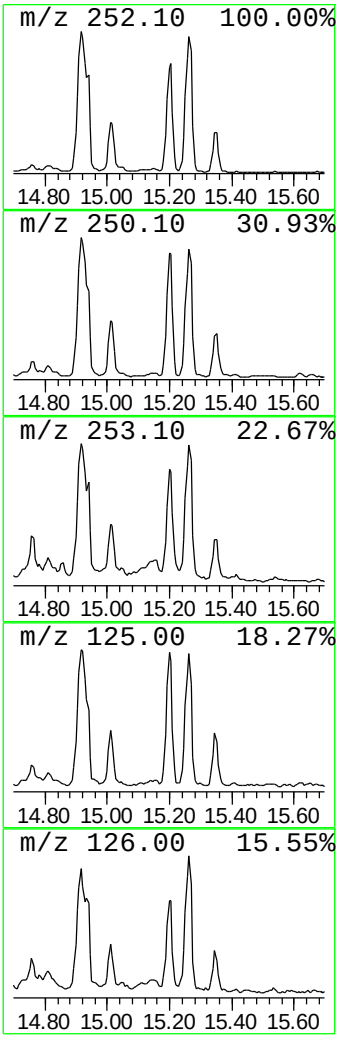
Peak Number 20 Perylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	14.47 ng	1501520	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	99
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	97
4	Benzo[a]pyrene	252	C20H12	000050-32-8	96
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94





Tentatively Identified Compound (LSC) summary

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Data File : BF102270.D
Acq On : 20 Jan 2018 17:14
Operator : SJ/JU
Sample : J1210-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-4248

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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
unknown6.49	6.49	64.8	ng	2912220	1	6.72	898139	20.0
Naphthalene, 1-me...	8.83	92.4	ng	6149100	2	8.00	1330680	20.0
Naphthalene, 1-et...	9.27	15.0	ng	1359810	3	9.76	1817000	20.0
Naphthalene, 1,6-...	9.35	49.1	ng	4465560	3	9.76	1817000	20.0
Naphthalene, 2,3-...	9.43	63.6	ng	5781600	3	9.76	1817000	20.0
Naphthalene, 2-(1...	9.86	14.2	ng	1287430	3	9.76	1817000	20.0
Naphthalene, 1,6,...	10.07	24.3	ng	2204670	3	9.76	1817000	20.0
Naphthalene, 2,3,...	10.10	13.3	ng	1209170	3	9.76	1817000	20.0
4,4'-Dimethylbiph...	10.26	14.1	ng	1282160	3	9.76	1817000	20.0
1-Isopropenylnaph...	10.37	19.1	ng	1732740	3	9.76	1817000	20.0
Benzeneethanol, ...	10.39	12.6	ng	1148610	3	9.76	1817000	20.0
[1,1'-Biphenyl]-4...	10.46	24.1	ng	2192530	3	9.76	1817000	20.0
Pyrene, 1-methyl-	12.91	12.9	ng	3535470	5	13.90	5483950	20.0
11H-Benzo[a]fluorene	13.09	12.1	ng	3323850	5	13.90	5483950	20.0
Benz[a]anthracene...	14.28	11.4	ng	3118780	5	13.90	5483950	20.0
Perylene	15.20	14.5	ng	1501520	6	15.32	2075650	20.0