LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF032018\
Data File : BF103804.D
Acq On : 20 Mar 2018 16:12
Operator : JU/SJ
Sample : J1982-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-105(3-4)

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-BF031518.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	5.593	589	596	599	rBV	2983153	3058154	27.65%	1.399%
2	6.592	759	766	770	rBV	2869607	3060267	27.67%	1.400%
3	6.739	786	791	794	rBV	3254077	3060776	27.68%	1.400%
4	6.969	827	830	834	rBV	1166417	932603	8.43%	0.427%
5	7.128	853	857	860	rBV	2744165	2374738	21.47%	1.086%
6	7.534	921	926	929	rVV	1976838	1782237	16.12%	0.815%
7	8.251	1044	1048	1050	rBV	1220256	1280187	11.58%	0.586%
8	8.281	1050	1053	1056	rVV	3238247	2930616	26.50%	1.340%
9	8.969	1166	1170	1173	rVB	2302497	2053114	18.57%	0.939%
10	9.063	1181	1186	1190	rBV	1904282	1797505	16.25%	0.822%
11	9.328	1222	1231	1234	rBV	3697999	3204851	28.98%	1.466%
12	9.428	1245	1248	1251	rVB	813637	613619	5.55%	0.281%
13	9.522	1262	1264	1270	rVB	533177	610998	5.52%	0.279%
14	9.598	1271	1277	1280	rBV2	817369	1122470	10.15%	0.513%
15	9.669	1285	1289	1291	rBV	1493112	1422892	12.87%	0.651%
16	9.786	1304	1309	1311	rBV	853263	828531	7.49%	0.379%
17	9.875	1321	1324	1330	rVV	3201634	3325054	30.07%	1.521%
18	10.016	1345	1348	1350	rVV	1428407	1380261	12.48%	0.631%
19	10.045	1350	1353	1356	rVV	2300160	2014117	18.21%	0.921%
20	10.169	1369	1374	1378	rVV2	477166	742188	6.71%	0.339%
21	10.216	1378	1382	1385	rVV2	1600795	1757147	15.89%	0.804%
22	10.251	1385	1388	1391	rVV	818900	653694	5.91%	0.299%
23	10.328	1397	1401	1403	rBV3	708989	837018	7.57%	0.383%
24	10.433	1411	1419	1422	rVB4	528151	1135676	10.27%	0.519%
25	10.569	1438	1442	1447	rVV	3381329	3540478	32.01%	1.619%
26	10.645	1453	1455	1458	rVV2	730232	790740	7.15%	0.362%
27	10.716	1462	1467	1470	rVV2	787339	1186342	10.73%	0.543%
28	10.804	1476	1482	1486	rVV2	2077211	2410056	21.79%	1.102%
29	10.922	1496	1502	1508	rVB4	702667	1258038	11.38%	0.575%
30	11.110	1529	1534	1537	rVV2	1190525	1737174	15.71%	0.795%
31	11.139	1537	1539	1542	rVV	937115	931026	8.42%	0.426%
32	11.198	1546	1549	1551	rVV	759141	720452	6.51%	0.330%
33	11.239	1551	1556	1557	rVV2	431817	610808	5.52%	0.279%
34	11.263	1557	1560	1566	rVV3	633745	973398	8.80%	0.445%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF032018\
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Acq On : 20 Mar 2018 16:12
Operator : JU/SJ
Sample : J1982-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-105(3-4)

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-BF031518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.316	1566	1569	1573	rVV2	659383	862549	7.80%	0.395%
36	11.357	1573	1576	1579	rVV3	851917	921547	8.33%	0.421%
37	11.404	1582	1584	1589	rVB	1593191	1527959	13.82%	0.699%
38	11.557	1598	1610	1613	rBV2	5009513	11058810	100.00%	5.058%
39	11.598	1613	1617	1620	rVV	3825022	4103022	37.10%	1.877%
40	11.739	1638	1641	1644	rBV	1016511	948729	8.58%	0.434%
41	11.845	1654	1659	1662	rVB	1366353	1331553	12.04%	0.609%
42	11.927	1669	1673	1677	rVB	855258	942681	8.52%	0.431%
43	12.022	1684	1689	1691	rBV	2683953	3439121	31.10%	1.573%
44	12.045	1691	1693	1697	rVB	3332974	3585877	32.43%	1.640%
45	12.098	1697	1702	1705	rBV	1499000	1719020	15.54%	0.786%
46	12.139	1705	1709	1711	rBV2	3492848	4888586	44.21%	2.236%
47	12.310	1735	1738	1741	rVV	1921483	1972434	17.84%	0.902%
48	12.345	1741	1744	1749	rVB	1012149	1061094	9.60%	0.485%
49	12.492	1766	1769	1771	rVV	936391	915492	8.28%	0.419%
50	12.516	1771	1773	1776	rVB	931774	743224	6.72%	0.340%
51	12.569	1778	1782	1785	rBV	1890124	2431065	21.98%	1.112%
52	12.610	1787	1789	1795	rVV3	1288410	1844155	16.68%	0.843%
53	12.674	1795	1800	1803	rVV2	1106281	1585480	14.34%	0.725%
54	12.757	1807	1814	1817	rVV	4283033	8937491	80.82%	4.088%
55	12.804	1820	1822	1823	rVV2	664794	628269	5.68%	0.287%
56	12.833	1823	1827	1831	rVV2	2367680	2851525	25.79%	1.304%
57	12.892	1834	1837	1846	rVV3	1020741	1743212	15.76%	0.797%
58	12.998	1846	1855	1857	rVV2	4245063	10205075	92.28%	4.668%
59	13.016	1857	1858	1862	rVB3	1136697	970467	8.78%	0.444%
60	13.104	1866	1873	1875	rVV2	2029523	3136430	28.36%	1.435%
61	13.127	1875	1877	1881	rVB2	726039	789184	7.14%	0.361%
62	13.192	1882	1888	1891	rBV2	1435714	2411196	21.80%	1.103%
63	13.274	1898	1902	1903	rVV4	1319610	1571242	14.21%	0.719%
64	13.304	1904	1907	1911	rVV	2549993	2802504	25.34%	1.282%
65	13.368	1911	1918	1920	rVV	2322896	2850259	25.77%	1.304%
66	13.410	1920	1925	1927	rVV2	1928534	2556796	23.12%	1.169%
67	13.468	1931	1935	1937	rVV3	475751	659168	5.96%	0.301%
68	13.498	1937	1940	1943	rVV	1598703	1765620	15.97%	0.808%
69	13.533	1943	1946	1953	rVB	1623724	1817292	16.43%	0.831%
70	13.780	1984	1988	1990	rBV2	551719	771668	6.98%	0.353%
71	13.810	1990	1993	1997	rVB2	922051	1112510	10.06%	0.509%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J1982-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-105(3-4)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.921	2007	2012	2014	rBV2	1609410	2000252	18.09%	0.915%
73	13.951	2014	2017	2019	rVV	1515882	1517359	13.72%	0.694%
74	13.980	2019	2022	2025	rVV2	1378822	1834780	16.59%	0.839%
75	14.180	2049	2056	2059	rBV2	3625441	8222531	74.35%	3.761%
76	14.221	2059	2063	2067	rVB	3661087	5218702	47.19%	2.387%
77	14.292	2072	2075	2078	rVV	906961	1113103	10.07%	0.509%
78	14.327	2078	2081	2086	rVV3	1152173	1815972	16.42%	0.831%
79	14.404	2090	2094	2097	rVV2	768719	1055824	9.55%	0.483%
80	14.574	2117	2123	2125	rVV	1471514	1967925	17.80%	0.900%
81	14.604	2125	2128	2131	rVB	965670	787067	7.12%	0.360%
82	14.674	2137	2140	2142	rVB2	756976	771895	6.98%	0.353%
83	14.704	2142	2145	2147	rVV	1164327	1282169	11.59%	0.586%
84	14.727	2147	2149	2152	rVB2	1327963	1152628	10.42%	0.527%
85	14.768	2152	2156	2163	rVB3	857520	1115503	10.09%	0.510%
86	15.098	2208	2212	2218	rBV2	562572	891278	8.06%	0.408%
87	15.292	2235	2245	2248	rBV	3096089	8492713	76.80%	3.884%
88	15.398	2258	2263	2266	rVB	1548229	1993890	18.03%	0.912%
89	15.615	2293	2300	2305	rVB	2372217	4438799	40.14%	2.030%
90	15.698	2305	2314	2317	rVV2	3071917	6674293	60.35%	3.053%
91	15.739	2319	2321	2324	rVV	531362	645230	5.83%	0.295%
92	15.780	2324	2328	2333	rVB2	1574863	2389747	21.61%	1.093%
93	16.115	2383	2385	2391	rVB2	422795	628088	5.68%	0.287%
94	16.345	2420	2424	2428	rVB	617948	845108	7.64%	0.387%
95	17.356	2585	2596	2601	rVB	1626063	4363062	39.45%	1.996%
96	17.521	2618	2624	2629	rBV	442254	959975	8.68%	0.439%
97	17.586	2630	2635	2642	rVV2	317195	756187	6.84%	0.346%
98	17.851	2668	2680	2689	rVB	1225805	3660875	33.10%	1.674%
99	18.086	2713	2720	2732	rVB2	629177	1843373	16.67%	0.843%
100	18.356	2761	2766	2775	rVB2	251635	597488	5.40%	0.273%

Sum of corrected areas: 218635347

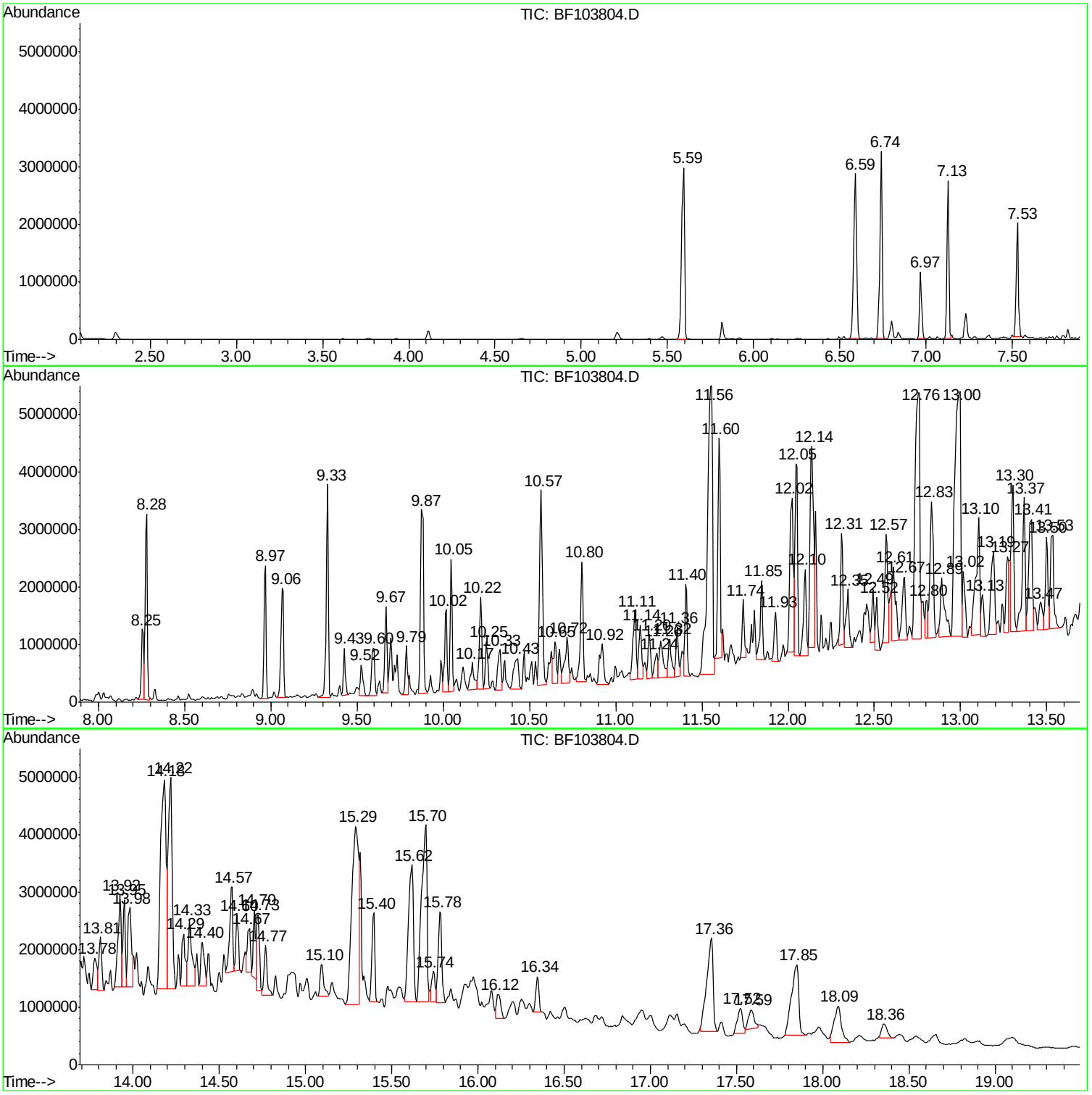
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF032018\
Data File : BF103804.D
Acq On : 20 Mar 2018 16:12
Operator : JU/SJ
Sample : J1982-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-105(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF032018\
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

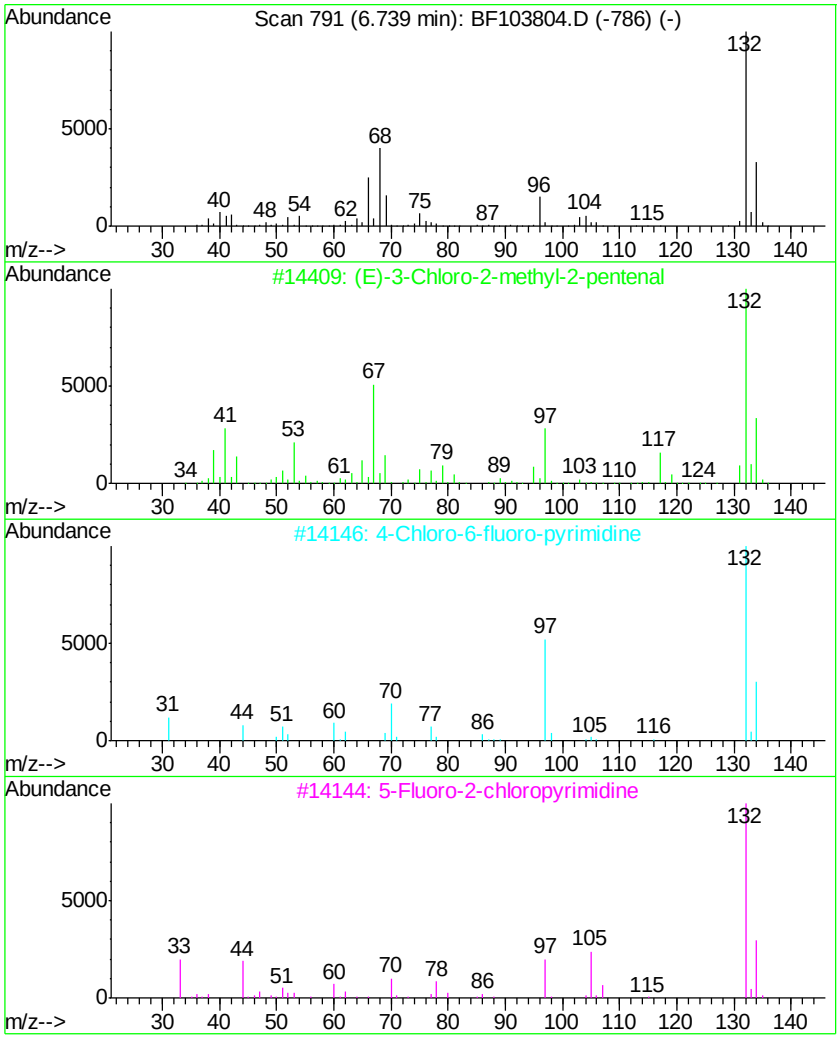
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

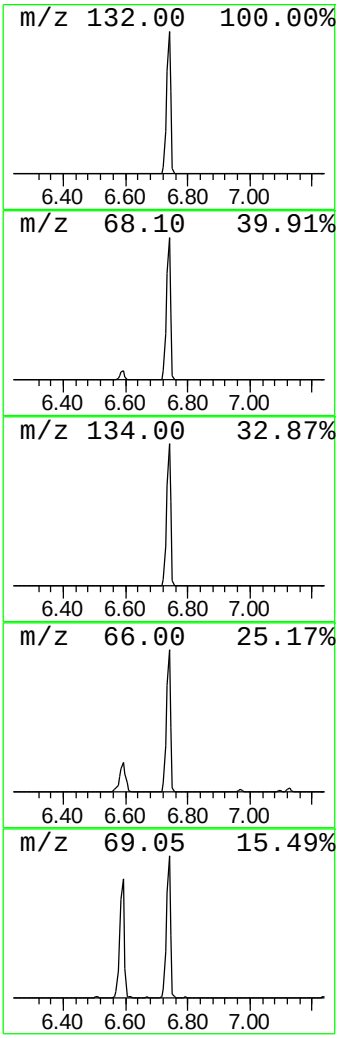
****

Peak Number 1 unknown6.74 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	65.64 ng	3060780	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
2	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





Library Search Compound Report

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Acq On : 20 Mar 2018 16:12
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Sample : J1982-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-105(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

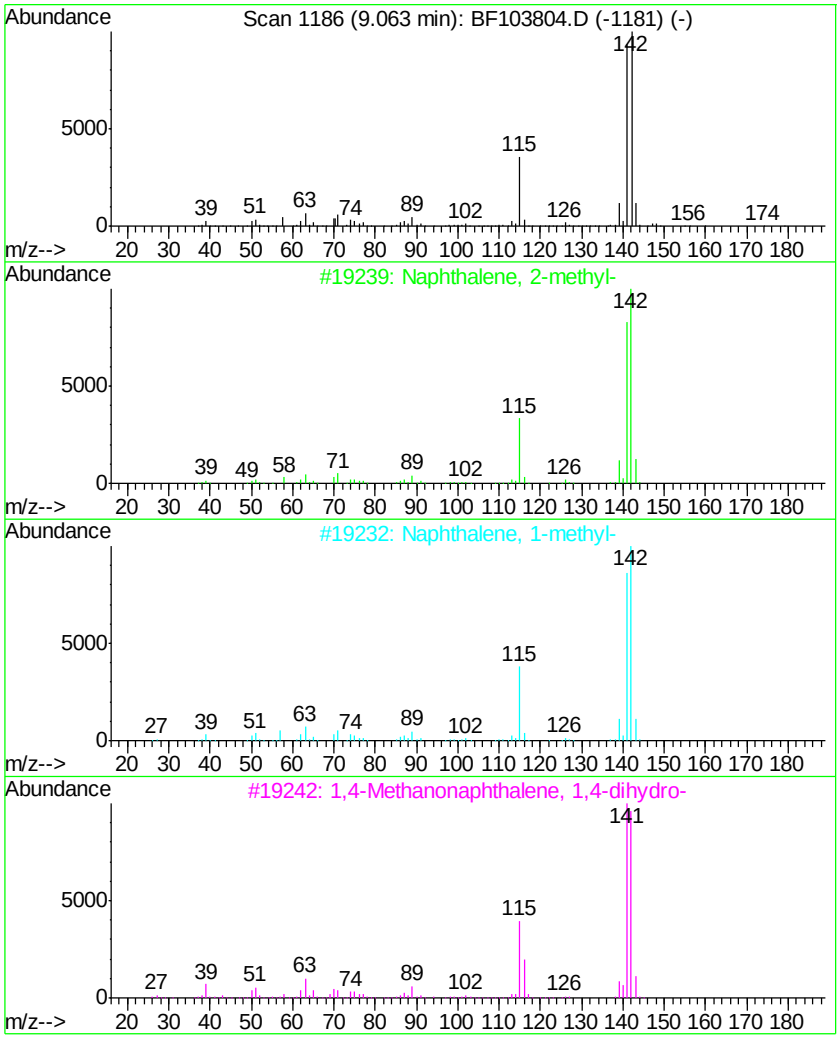
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

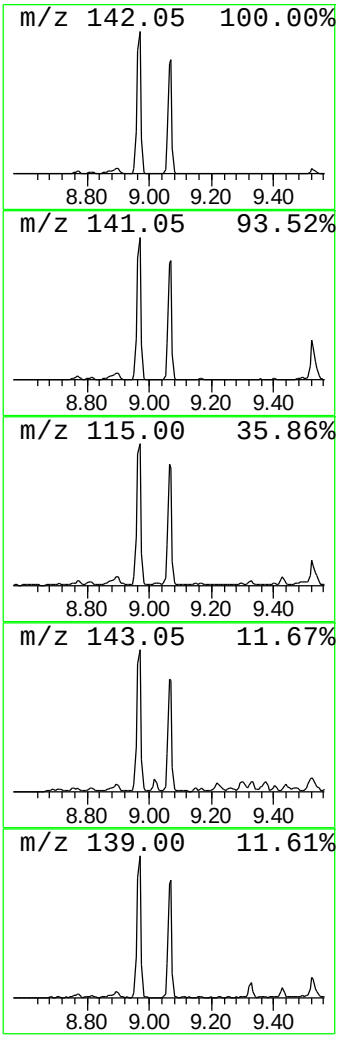
****

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.06	28.08 ng	1797510	Naphthalene-d8	8.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
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	59





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : MW-105(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
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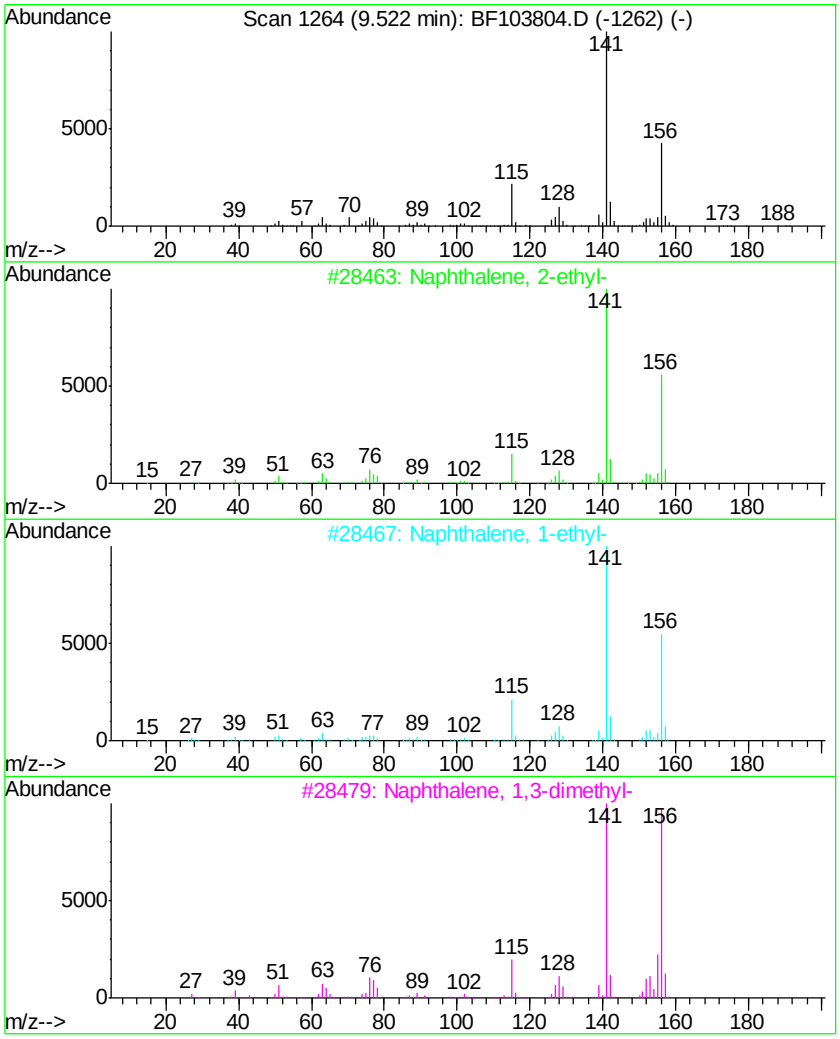
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

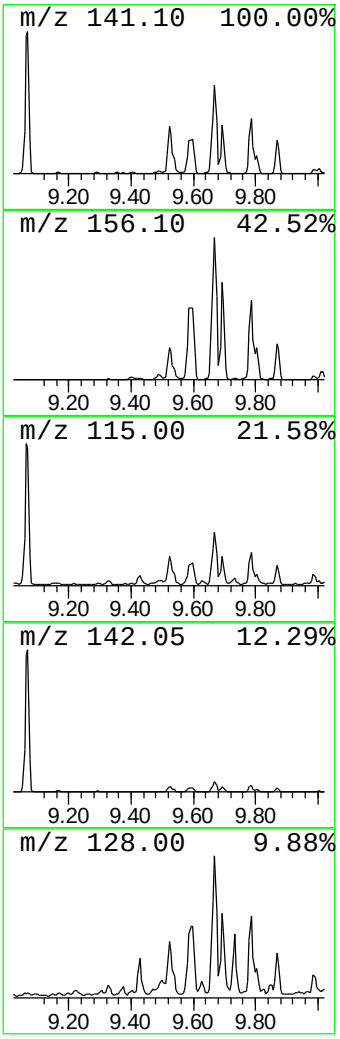
****

Peak Number 4 Naphthalene, 2-ethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	8.85 ng	610998	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	87
4	Naphthalene, 1-propyl-	170	C13H14	002765-18-6	59
5	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	59





Library Search Compound Report

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Acq On : 20 Mar 2018 16:12
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Sample : J1982-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-105(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

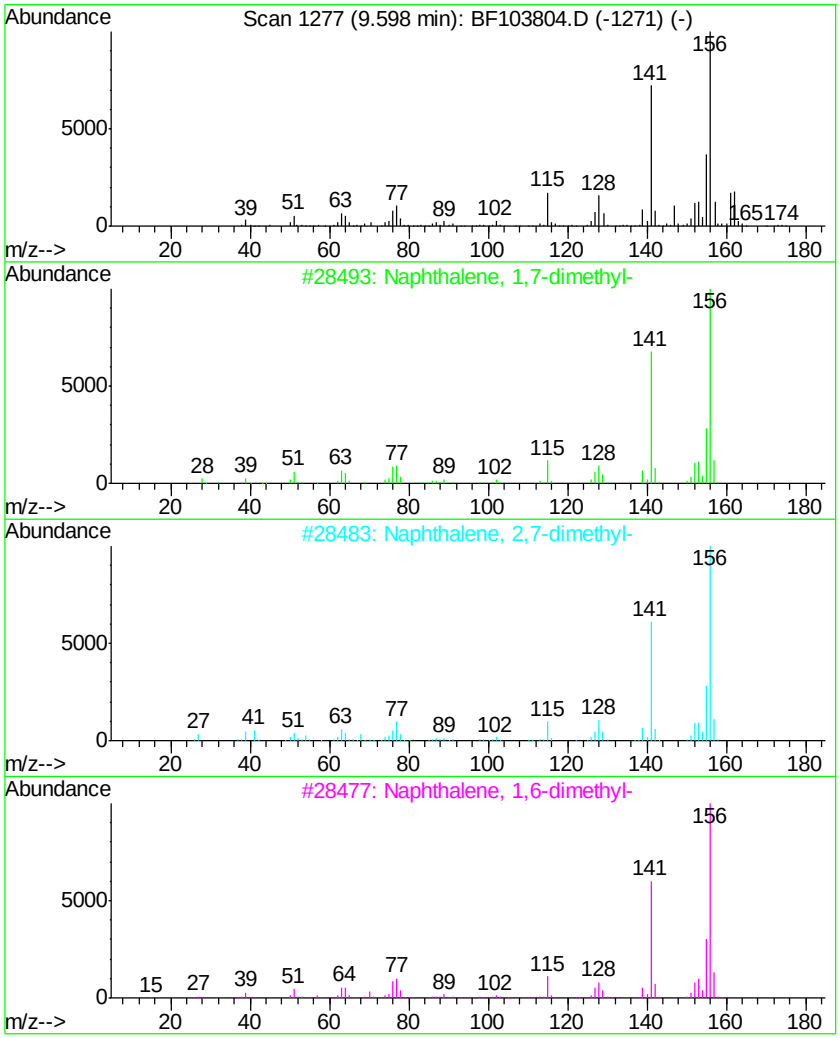
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

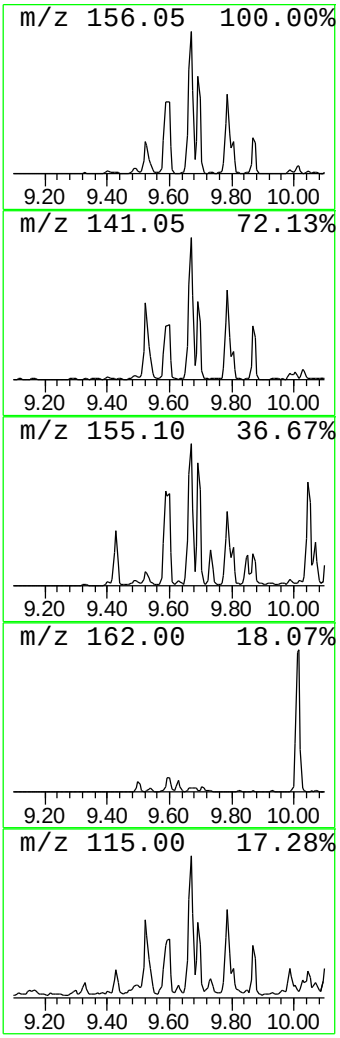
****

Peak Number 5 Naphthalene, 1,7-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	16.26 ng	1122470	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Library Search Compound Report

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Data File : BF103804.D
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Operator : JU/SJ
Sample : J1982-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-105(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

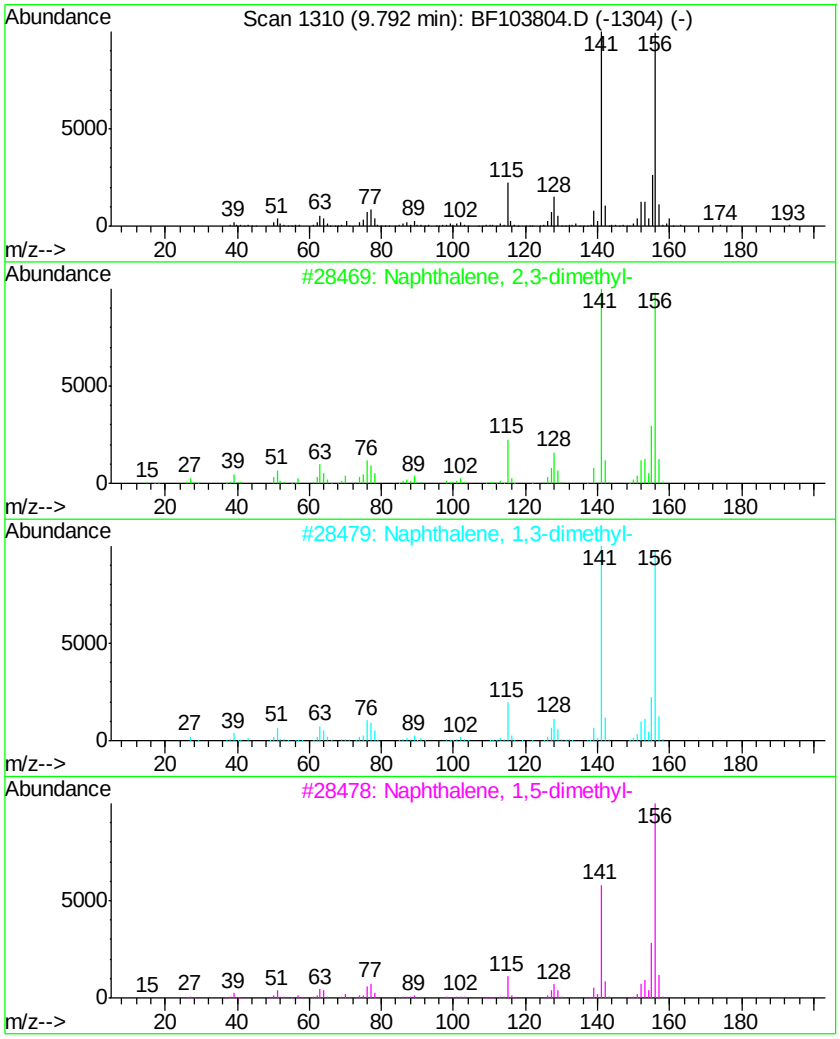
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

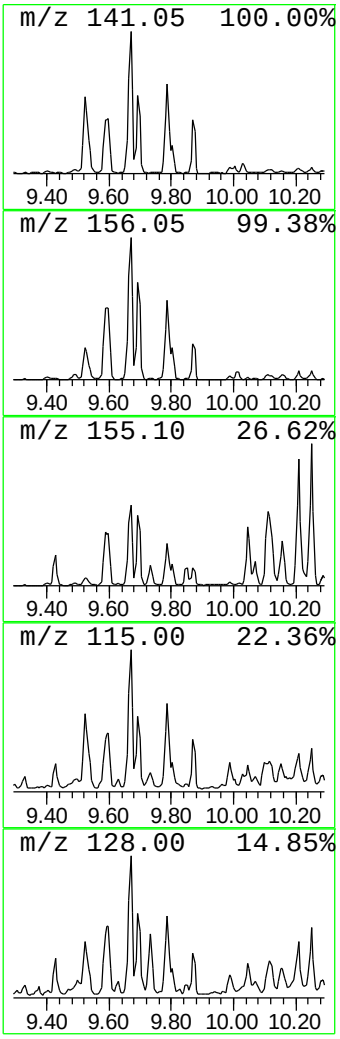
****

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.79	12.01 ng	828531	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	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





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Acq On : 20 Mar 2018 16:12
Operator : JU/SJ
Sample : J1982-01
Misc :
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Instrument : BNA_F
ClientSampleId : MW-105(3-4)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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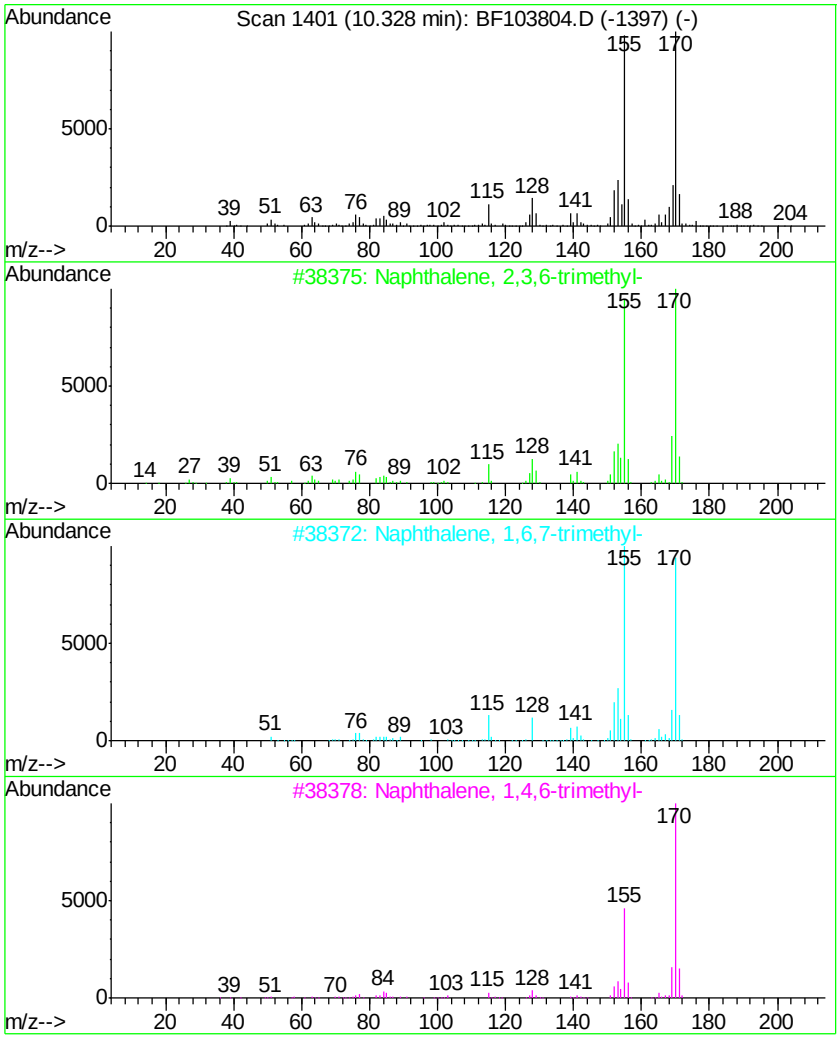
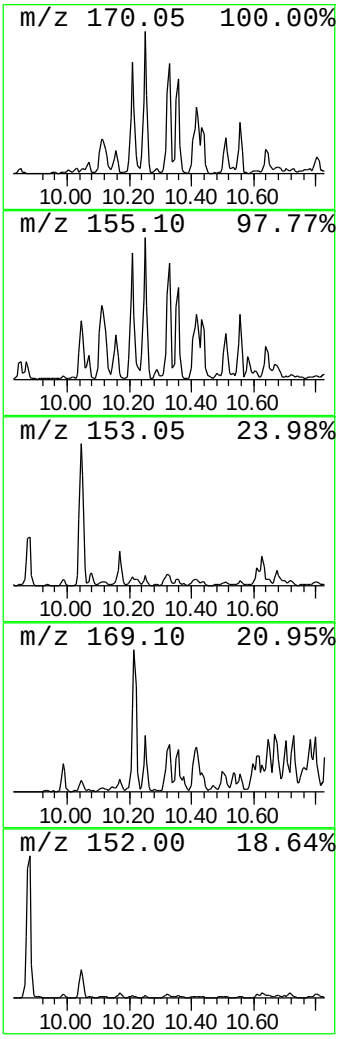
Peak Number 7 Naphthalene, 2,3,6-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	12.13 ng	837018	Acenaphthene-d10	10.01

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	98
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91





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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-105(3-4)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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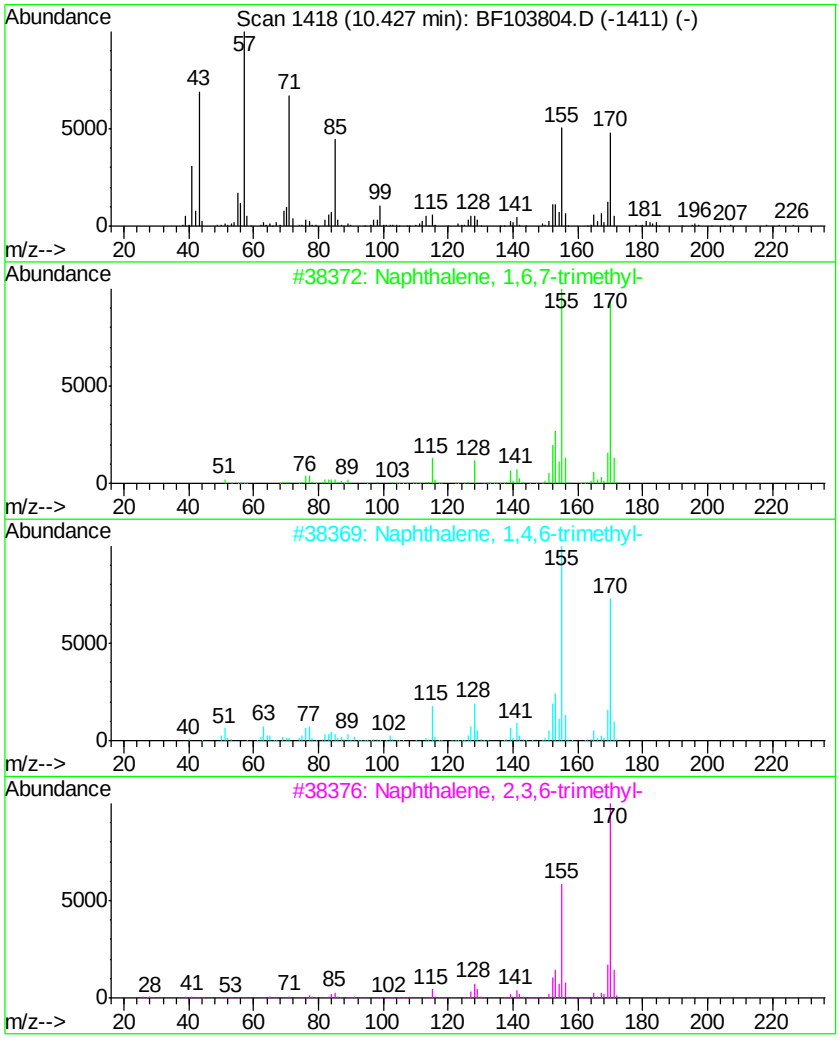
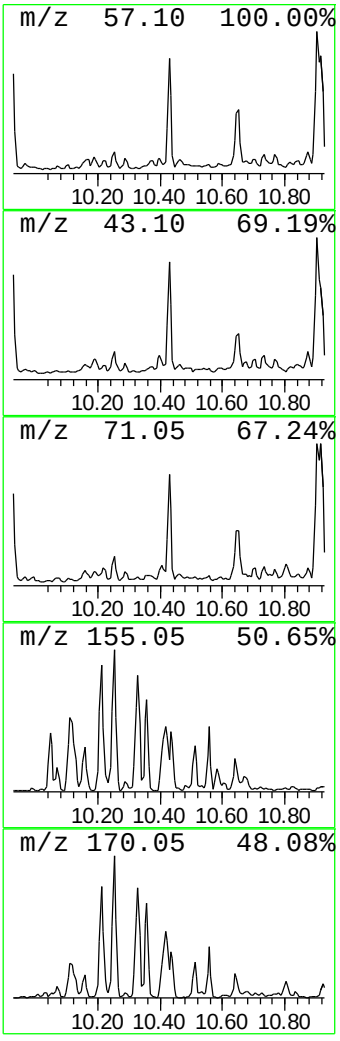
Peak Number 8 Naphthalene, 1,6,7-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	16.46 ng	1135680	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	94
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	60





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Misc :
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Instrument : BNA_F
ClientSampleId : MW-105(3-4)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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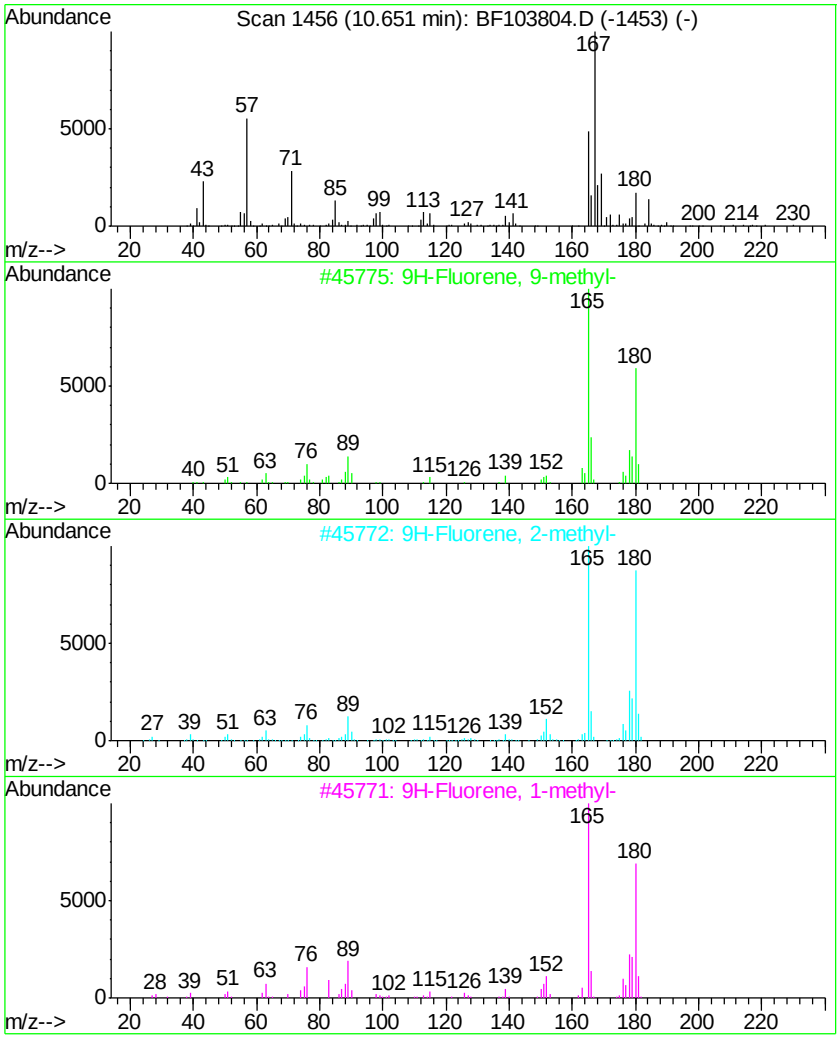
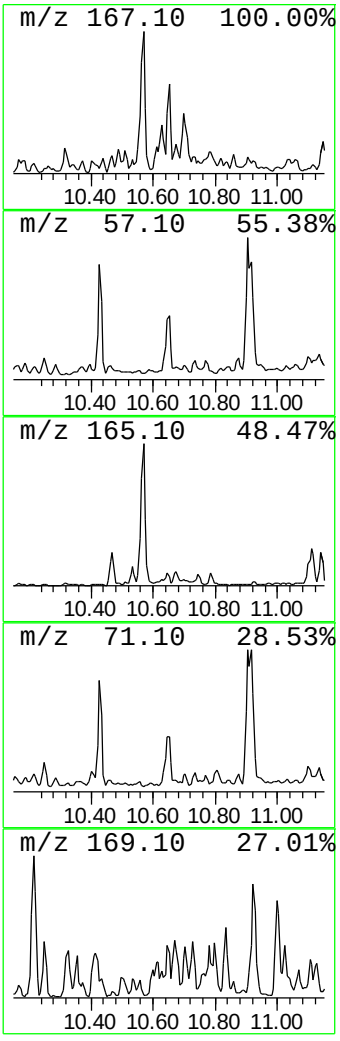
Peak Number 9 9H-Fluorene, 9-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.65	11.46 ng	790740	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	55
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	50
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	50
4	Silane, trimethyl(4-methylphenoxy)-	180	C10H16OSi	017902-32-8	43
5	2-Amino-4-(tert-butyl)thiophene-...	180	C9H12N2S	010413-34-0	43





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Instrument : BNA_F
ClientSampleId : MW-105(3-4)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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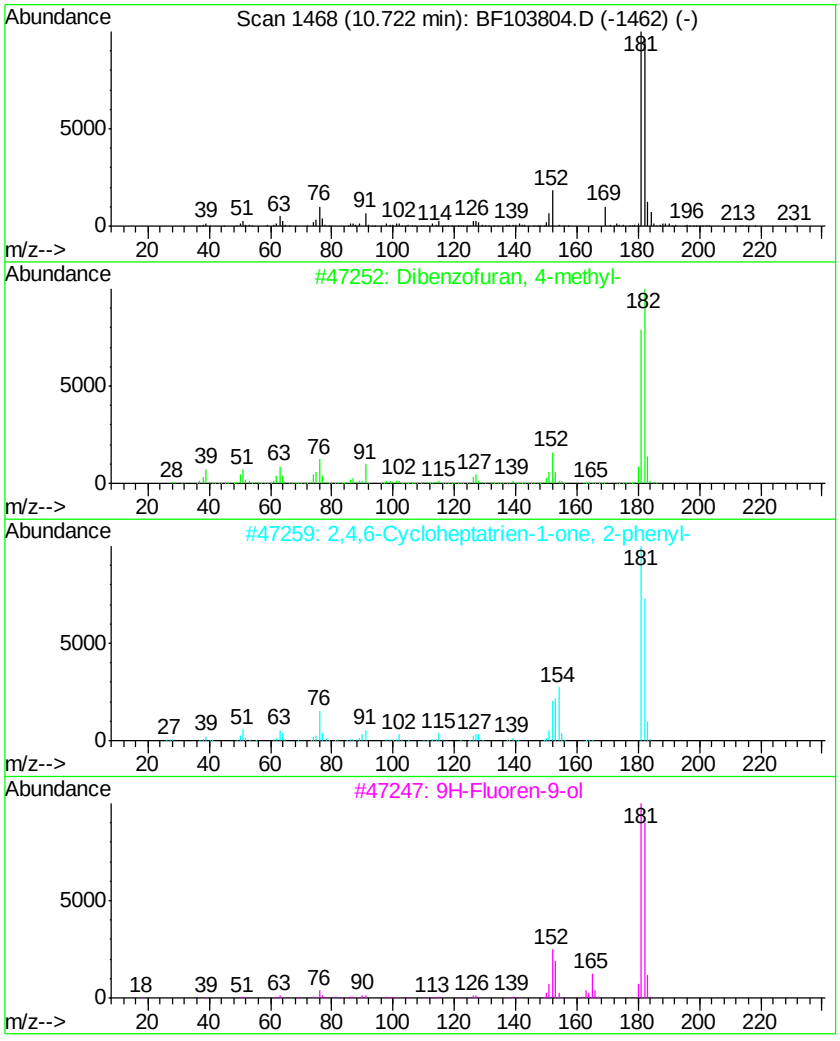
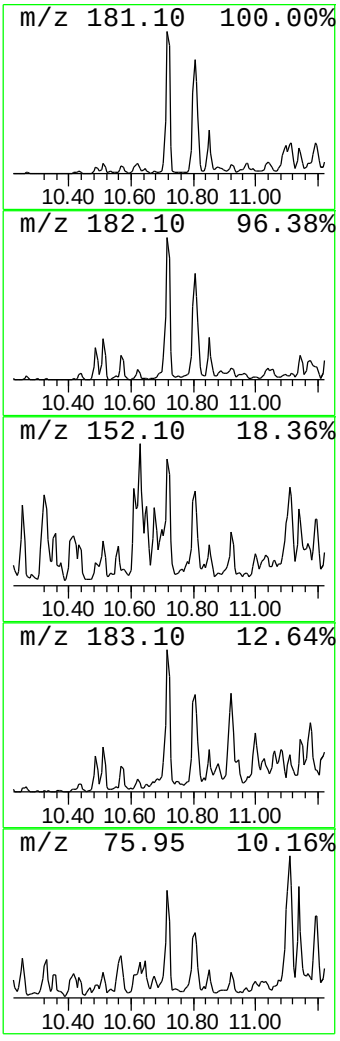
Peak Number 10 Dibenzofuran, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	17.19 ng	1186340	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	83
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	59





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ClientSampleId : MW-105(3-4)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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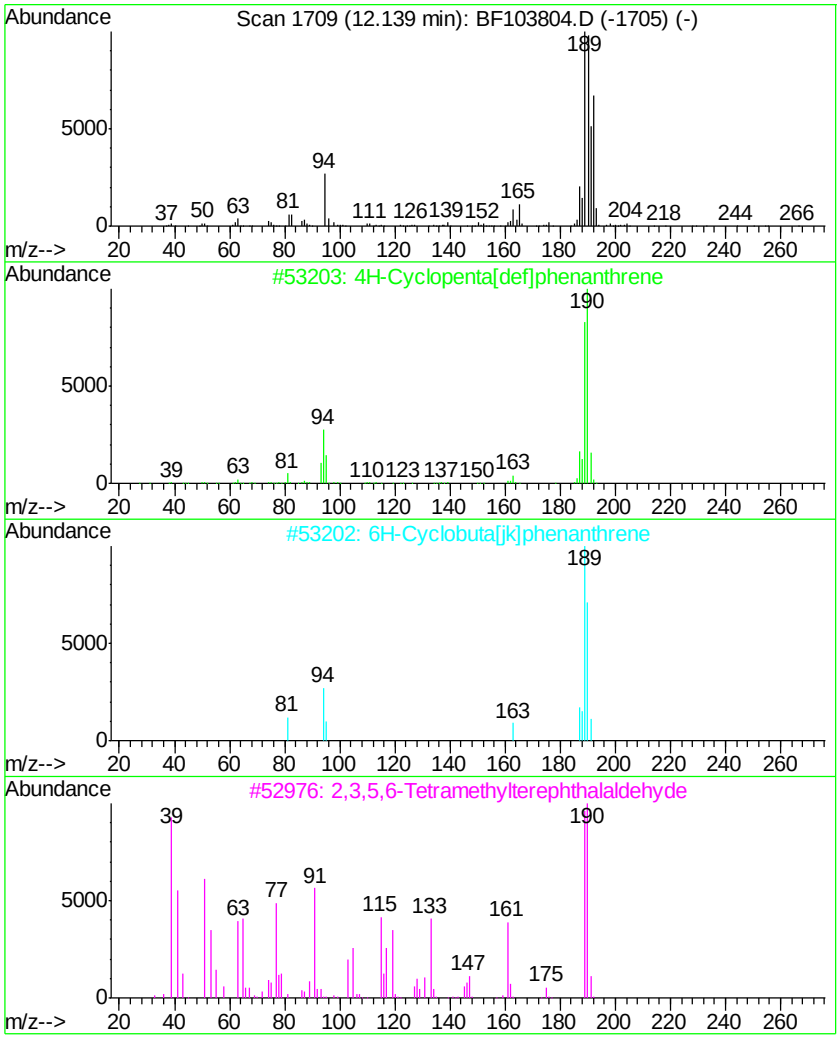
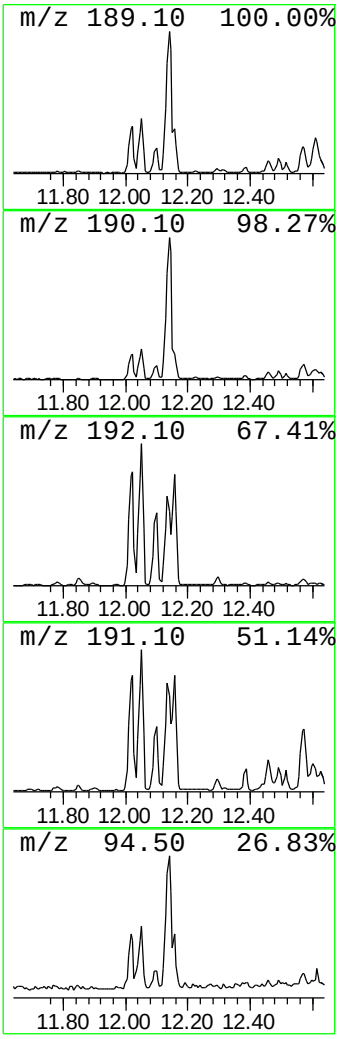
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	8.84 ng	4888590	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	27
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	25





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ClientSampleId : MW-105(3-4)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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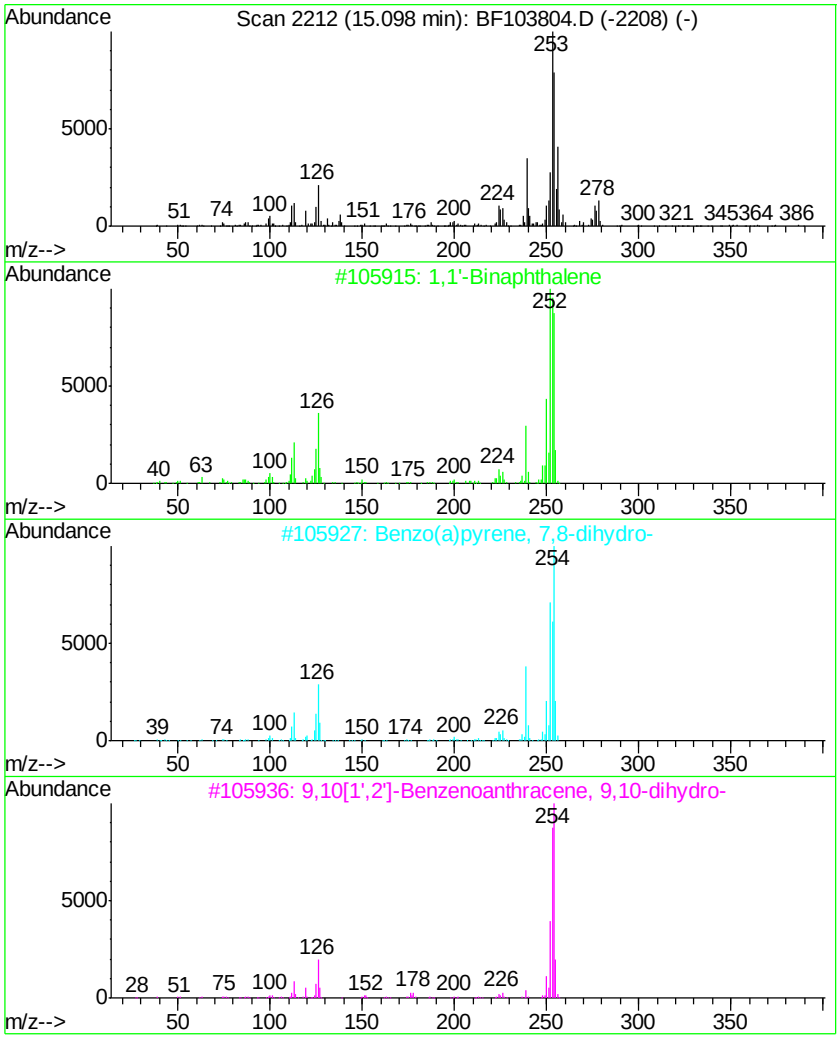
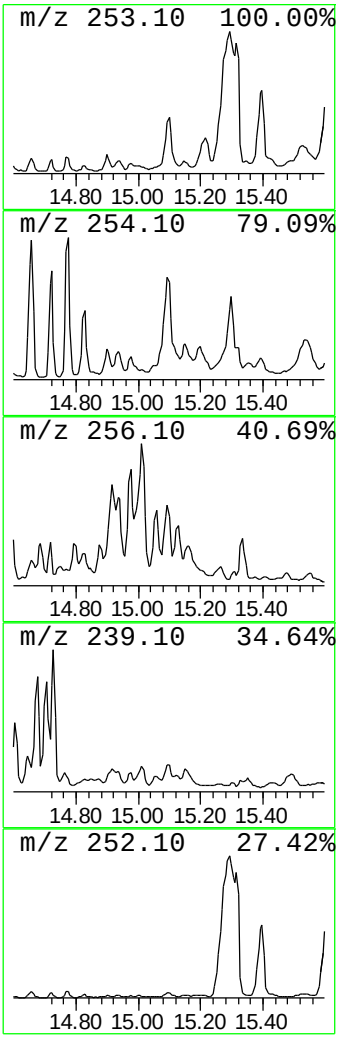
Peak Number 12 1,1'-Binaphthalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	27.63 ng	891278	Perylene-d12	15.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	83
2	Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	64
3	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	55
4	Benzo(e)pyrene, 9,10-dihydro-	254	C20H14	066788-01-0	55
5	4,6'-Biazulenyl	254	C20H14	094154-49-1	53





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Sample : J1982-01
Misc :
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Instrument : BNA_F
ClientSampleId : MW-105(3-4)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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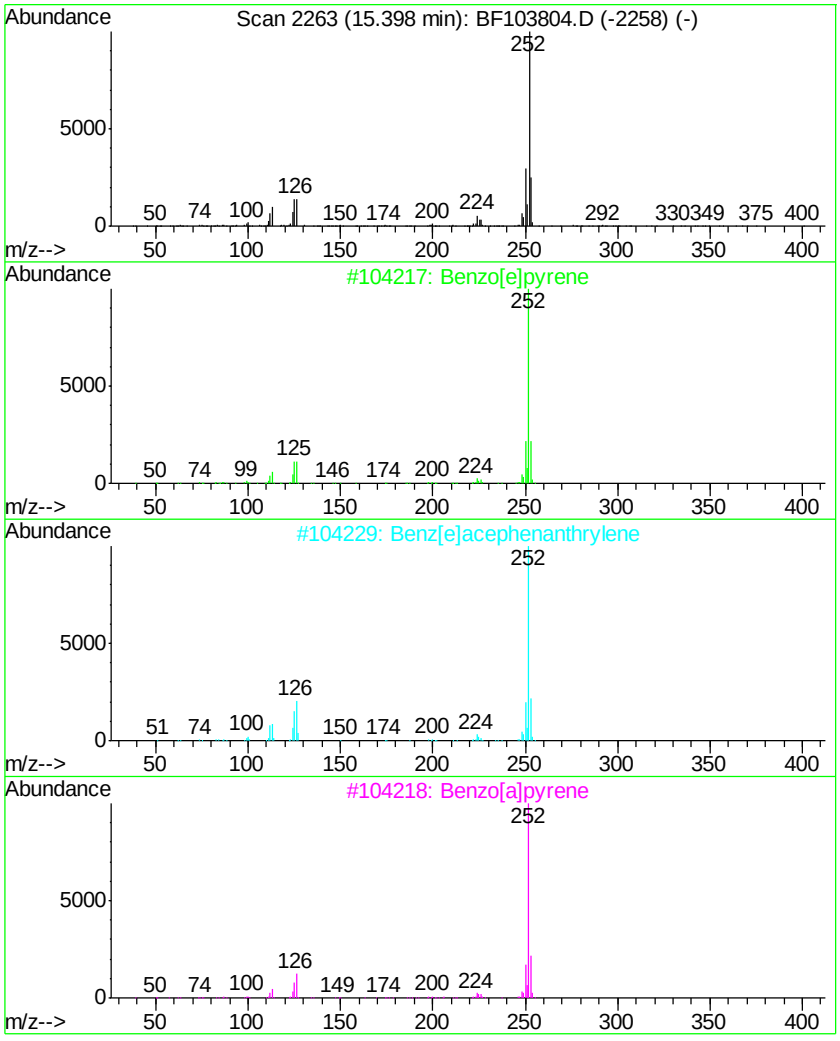
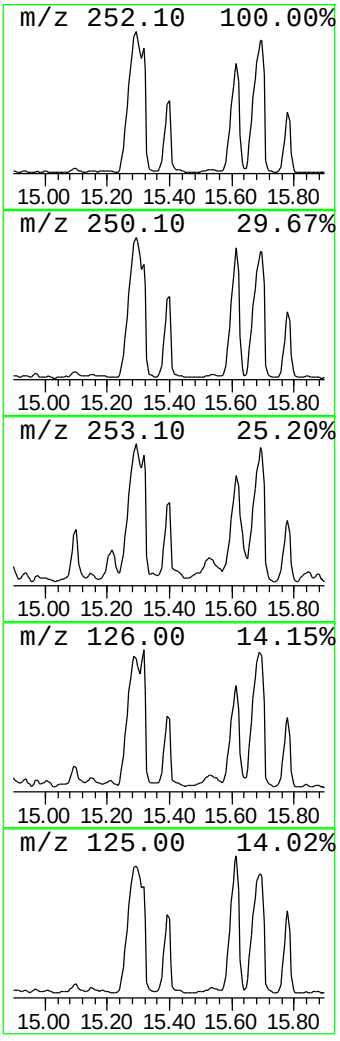
Peak Number 13 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	61.80 ng	1993890	Perylene-d12	15.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	87





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Sample : J1982-01
Misc :
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Instrument : BNA_F
ClientSampleId : MW-105(3-4)

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

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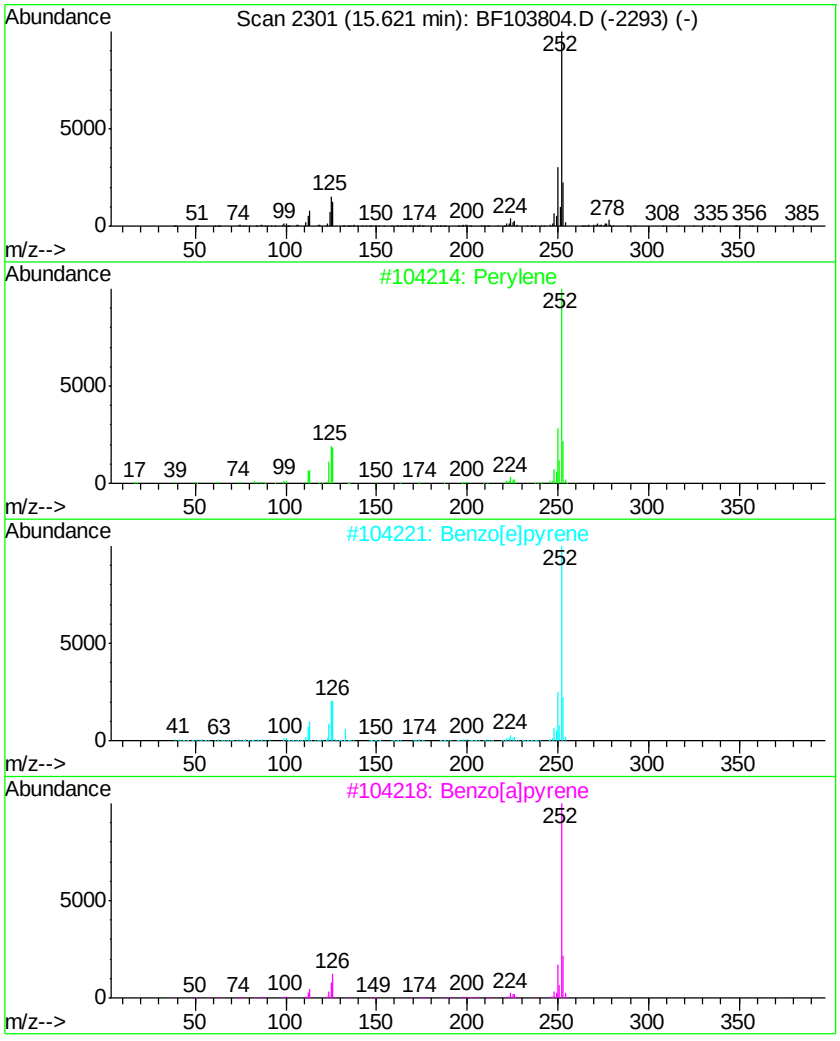
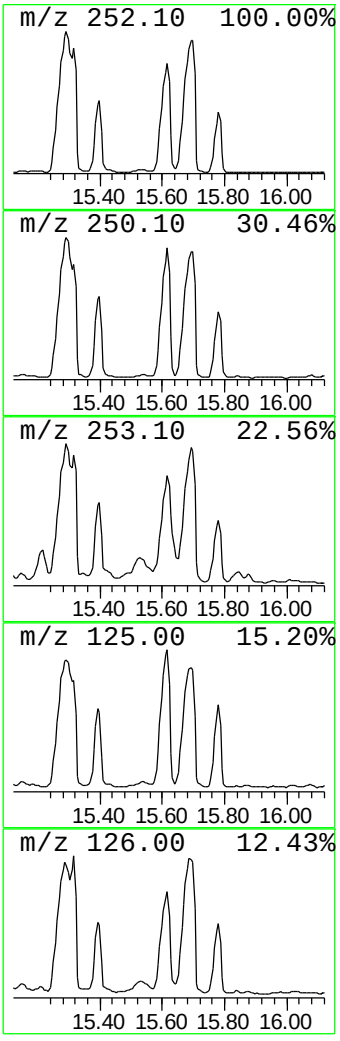
Peak Number 14 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	137.59 ng	4438800	Perylene-d12	15.74

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[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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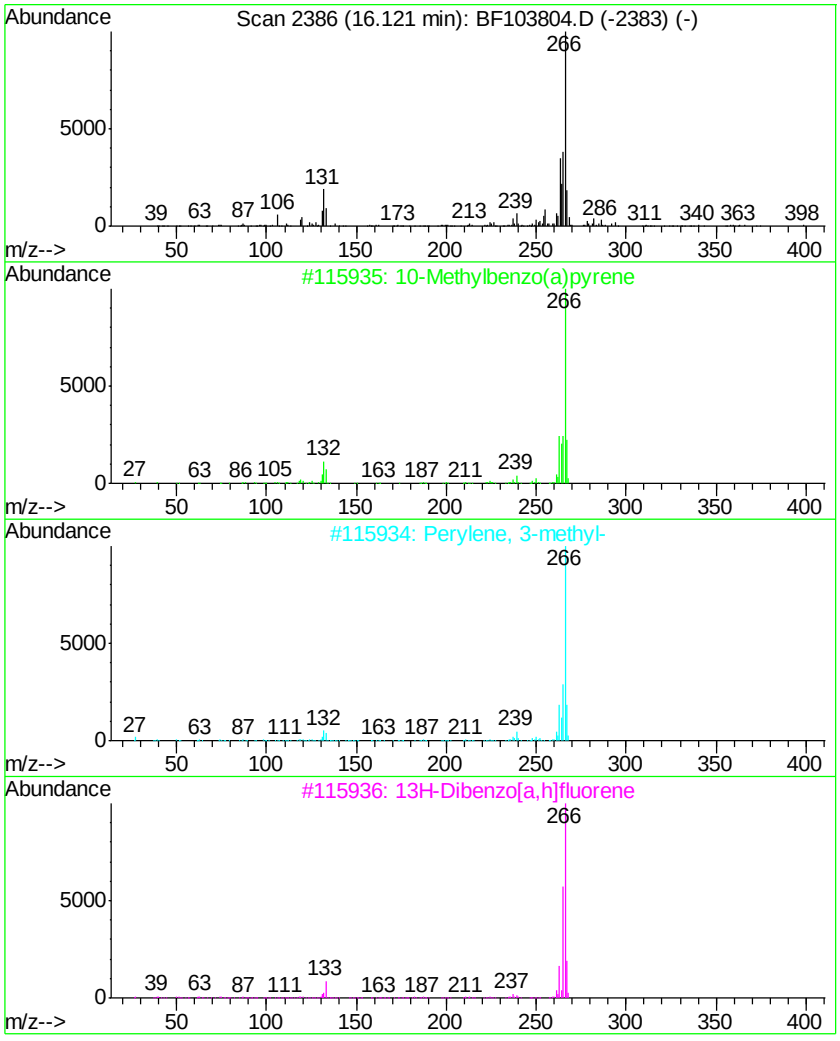
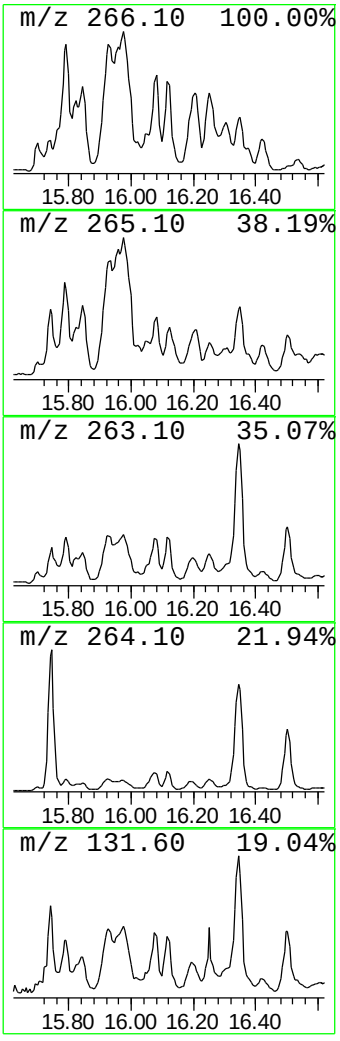
Peak Number 15 10-Methylbenzo(a)pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.12	19.47 ng	628088	Perylene-d12	15.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	92
2	Perylene, 3-methyl-	266	C21H14	024471-47-4	92
3	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	53
4	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	53
5	Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	53





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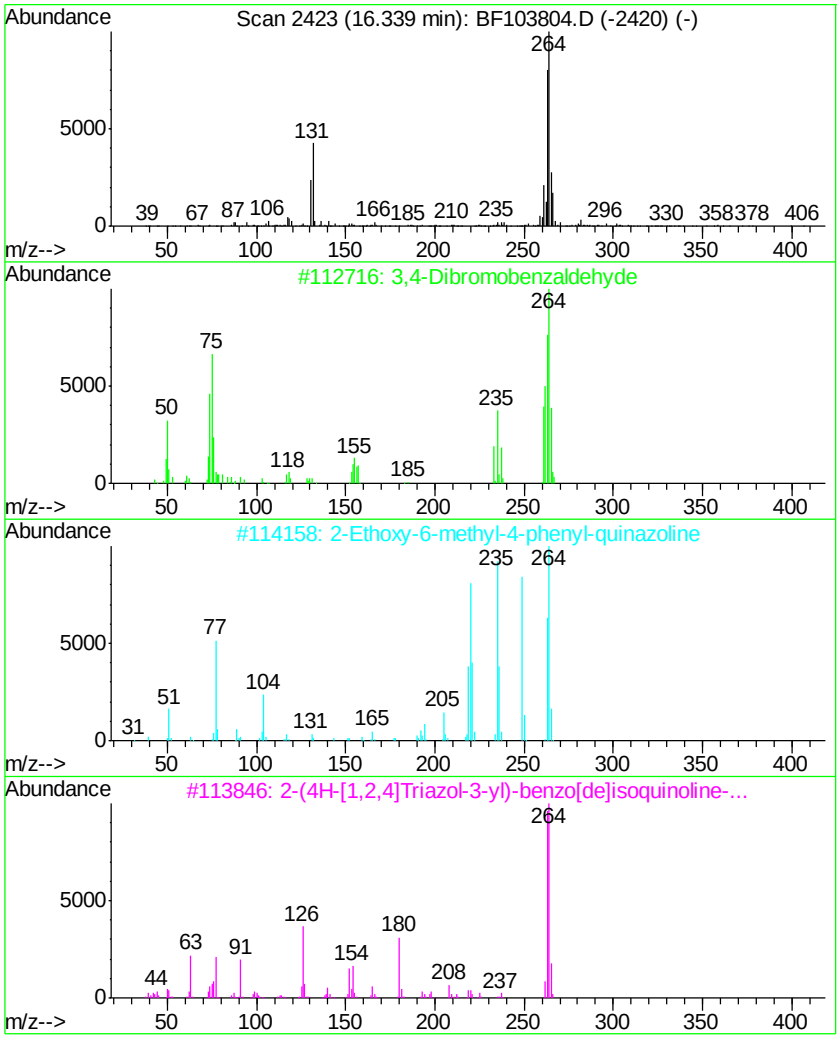
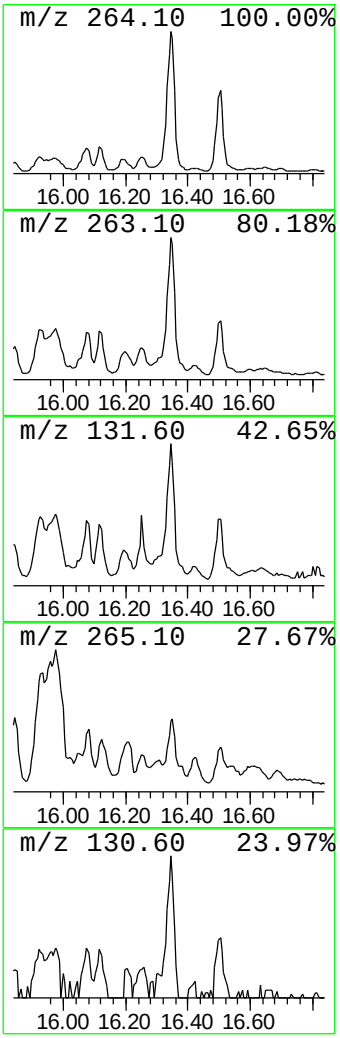
Peak Number 16 3,4-Dibromobenzaldehyde Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.34	26.20 ng	845108	Perylene-d12	15.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	52
2	2-Ethoxy-6-methyl-4-phenyl-quina...	264	C17H16N2O	1000318-42-5	43
3	2-(4H-[1,2,4]Triazol-3-yl)-benzo...	264	C14H8N4O2	1000318-09-6	38
4	2-Bromo-5-fluorobenzyl alcohol, ...	318	C13H20BrFOSi	1000364-15-6	27
5	7-Carbomethoxy-5,8-dimethoxy-1-t...	264	C14H16O5	122136-07-6	18





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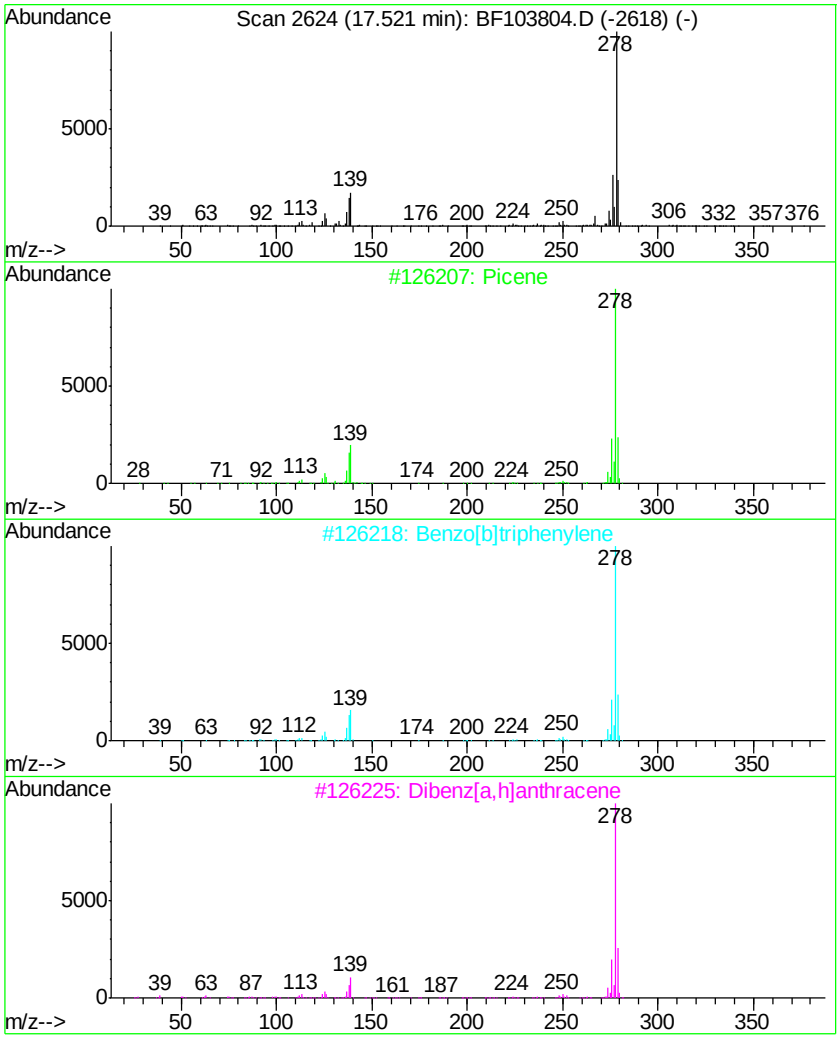
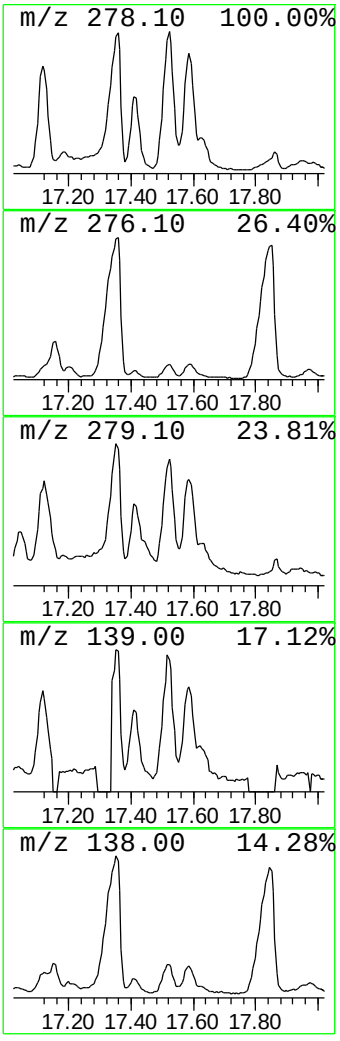
Peak Number 17 Picene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.52	29.76 ng	959975	Perylene-d12	15.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	98
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	94
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
4	Benzo[a]naphthacene	278	C22H14	000226-88-0	91
5	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	90





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF032018\
Data File : BF103804.D
Acq On : 20 Mar 2018 16:12
Operator : JU/SJ
Sample : J1982-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-105(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.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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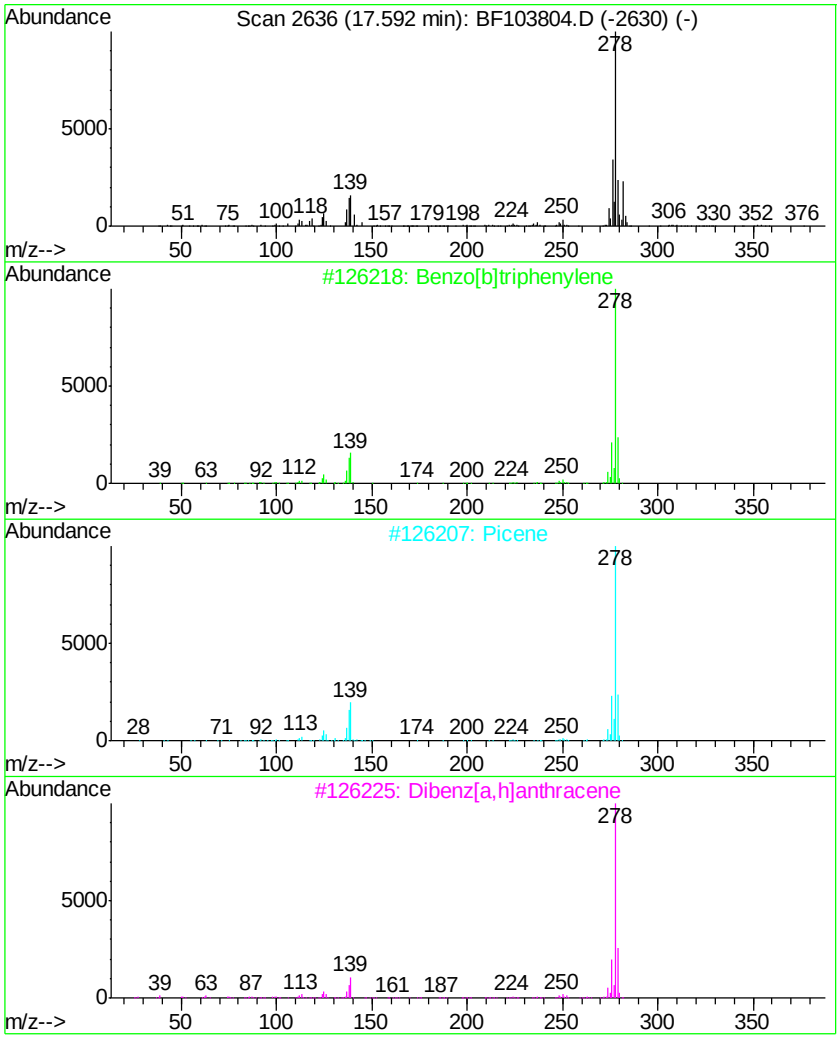
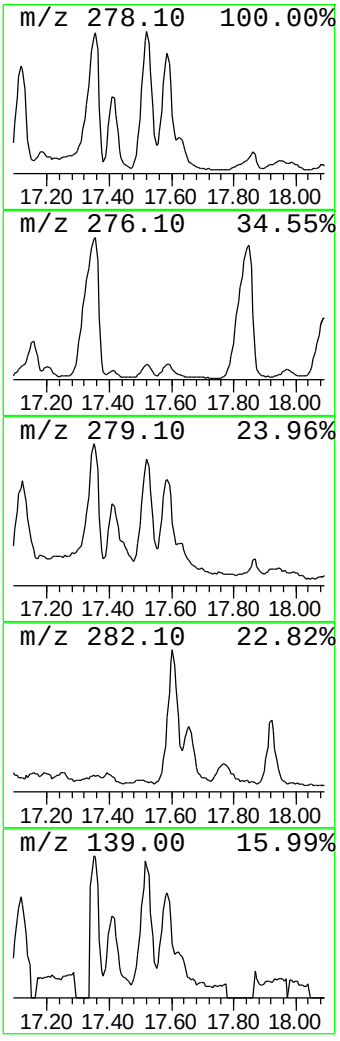
Peak Number 18 Benzo[b]triphenylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.59	23.44 ng	756187	Perylene-d12	15.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	99
2	Picene	278	C22H14	000213-46-7	98
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
4	Pentaphene	278	C22H14	000222-93-5	95
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	95





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF032018\
Data File : BF103804.D
Acq On : 20 Mar 2018 16:12
Operator : JU/SJ
Sample : J1982-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-105(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.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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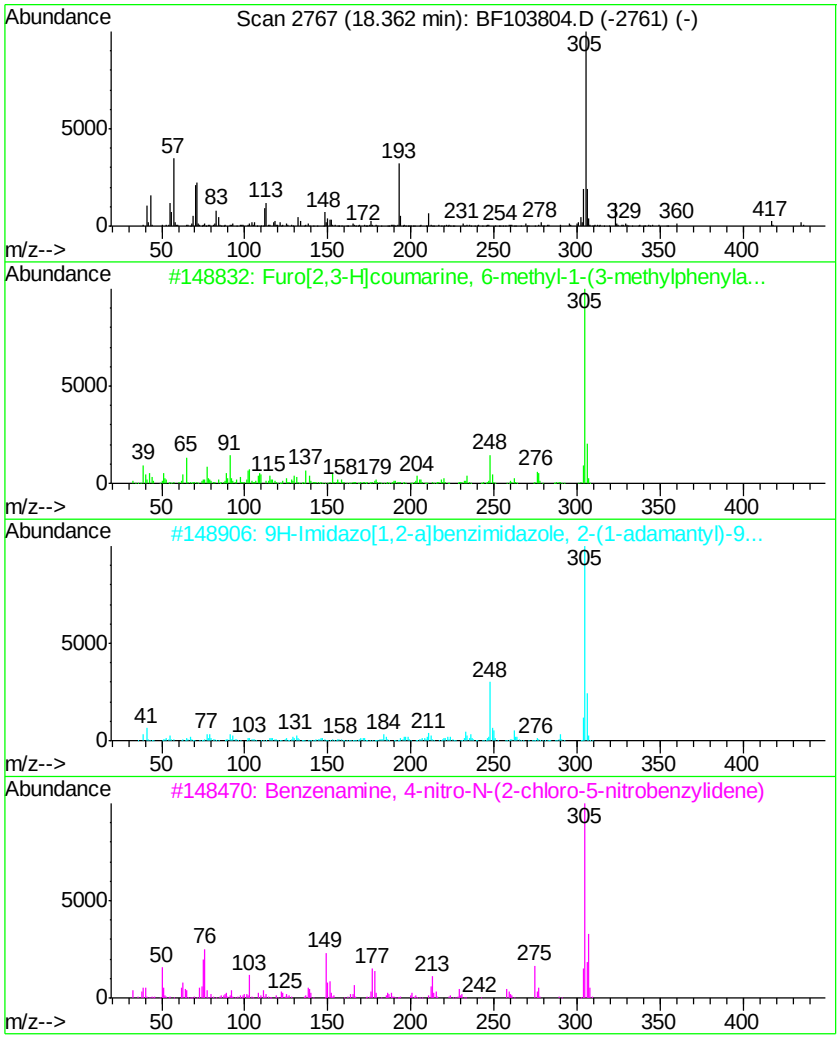
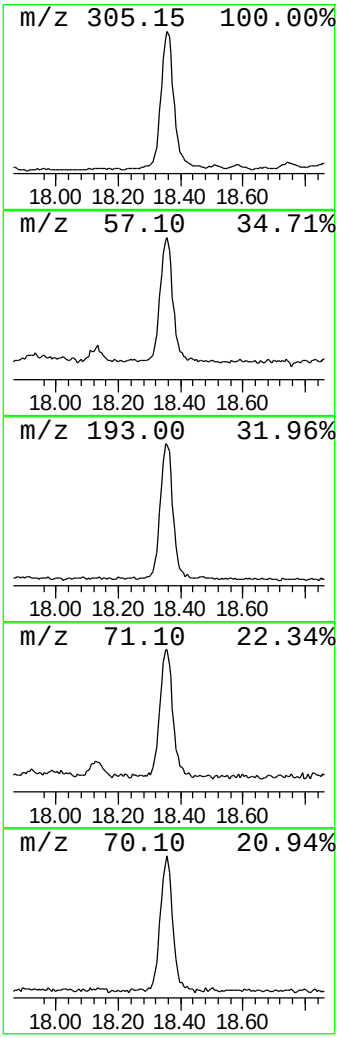
Peak Number 20 Furo[2,3-H]coumarine, 6-met... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	18.52 ng	597488	Perylene-d12	15.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furo[2,3-H]coumarine, 6-methyl-1...	305	C19H15NO3	1000270-15-3	50
2	9H-Imidazo[1,2-a]benzimidazole, ...	305	C20H23N3	309740-57-6	50
3	Benzenamine, 4-nitro-N-(2-chloro...	305	C13H8ClN3O4	303058-91-5	40
4	Pyrido[2,3-d]pyrimidine-2,4(1H,3...	305	C13H15N5O4	339229-51-5	38
5	[2](1,4)Anthraceno[2](2,6)pyridi...	305	C23H15N	106727-24-6	37





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032018\
Data File : BF103804.D
Acq On : 20 Mar 2018 16:12
Operator : JU/SJ
Sample : J1982-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-105(3-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.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
unknown6.74	6.74	65.6	ng	3060780	1	6.97	932603	20.0
Naphthalene, 1-me...	9.06	28.1	ng	1797510	2	8.25	1280190	20.0
Naphthalene, 2-et...	9.52	8.8	ng	610998	3	10.01	1380260	20.0
Naphthalene, 1,7-...	9.60	16.3	ng	1122470	3	10.01	1380260	20.0
Naphthalene, 2,3-...	9.79	12.0	ng	828531	3	10.01	1380260	20.0
Naphthalene, 2,3,...	10.33	12.1	ng	837018	3	10.01	1380260	20.0
Naphthalene, 1,6,...	10.43	16.5	ng	1135680	3	10.01	1380260	20.0
9H-Fluorene, 9-me...	10.65	11.5	ng	790740	3	10.01	1380260	20.0
Dibenzofuran, 4-m...	10.72	17.2	ng	1186340	3	10.01	1380260	20.0
4H-Cyclopenta[def...	12.14	8.8	ng	4888590	4	11.52	11058800	20.0
1,1'-Binaphthalene	15.10	27.6	ng	891278	6	15.74	645230	20.0
Benzo[e]pyrene	15.40	61.8	ng	1993890	6	15.74	645230	20.0
Perylene	15.62	137.6	ng	4438800	6	15.74	645230	20.0
10-Methylbenzo(a)...	16.12	19.5	ng	628088	6	15.74	645230	20.0
3,4-Dibromobenzal...	16.34	26.2	ng	845108	6	15.74	645230	20.0
Picene	17.52	29.8	ng	959975	6	15.74	645230	20.0
Benzo[b]triphenylene	17.59	23.4	ng	756187	6	15.74	645230	20.0
Furo[2,3-H]coumar...	18.36	18.5	ng	597488	6	15.74	645230	20.0