LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031618\
Data File : BF103724.D
Acq On : 17 Mar 2018 3:46
Operator : JU/SJ
Sample : J1946-01 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104(4-5)

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	5.469	570	575	578	rBV	2162756	1986352	12.55%	0.700%
2	5.575	588	593	599	rBV2	1343374	2301255	14.54%	0.811%
3	5.828	631	636	639	rBV2	1227387	1195210	7.55%	0.421%
4	6.498	746	750	753	rBV	1909034	1545418	9.77%	0.545%
5	6.528	753	755	759	rVB	1320851	992955	6.28%	0.350%
6	6.581	759	764	768	rBV2	1065190	1273837	8.05%	0.449%
7	6.798	798	801	805	rVV2	2843939	3079504	19.46%	1.085%
8	7.028	837	840	844	rBV2	1022168	1000207	6.32%	0.352%
9	7.157	859	862	865	rVB	4118800	3573443	22.58%	1.259%
10	7.239	870	876	879	rVB	4677337	4921105	31.10%	1.734%
11	7.575	931	933	937	rVB	1051865	992655	6.27%	0.350%
12	7.922	990	992	997	rVB	1118905	999550	6.32%	0.352%
13	8.004	1001	1006	1009	rBV3	3636652	5392083	34.08%	1.900%
14	8.039	1009	1012	1017	rVV	3595494	5170519	32.68%	1.822%
15	8.298	1046	1056	1058	rBV2	6088590	15823143	100.00%	5.575%
16	8.345	1061	1064	1066	rVB	2507139	2152688	13.60%	0.758%
17	8.692	1118	1123	1125	rBV	1099666	1538972	9.73%	0.542%
18	8.757	1132	1134	1139	rVB2	1277085	1425773	9.01%	0.502%
19	8.798	1139	1141	1146	rBV4	611135	924949	5.85%	0.326%
20	8.927	1160	1163	1166	rVB2	1201058	1361432	8.60%	0.480%
21	8.986	1166	1173	1176	rVB2	5633979	11419943	72.17%	4.024%
22	9.027	1176	1180	1183	rVB	1041146	932035	5.89%	0.328%
23	9.092	1183	1191	1193	rBV2	5721562	10241230	64.72%	3.608%
24	9.327	1228	1231	1234	rVB	1193509	924077	5.84%	0.326%
25	9.433	1246	1249	1254	rVB	3828366	3627049	22.92%	1.278%
26	9.504	1254	1261	1263	rBV2	1391627	1677031	10.60%	0.591%
27	9.533	1263	1266	1271	rVB	3623342	4449558	28.12%	1.568%
28	9.604	1271	1278	1281	rBV	4071270	6309410	39.87%	2.223%
29	9.639	1281	1284	1286	rVB	1994839	1603710	10.14%	0.565%
30	9.680	1286	1291	1294	rBV	4641532	7169538	45.31%	2.526%
31	9.710	1294	1296	1299	rVB2	3914008	3377381	21.34%	1.190%
32	9.739	1299	1301	1305	rVB	2418106	1979547	12.51%	0.697%
33	9.798	1305	1311	1312	rBV	3323225	3503960	22.14%	1.235%
34	9.886	1322	1326	1330	rVB2	4856809	6087424	38.47%	2.145%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031618\
Data File : BF103724.D
Acq On : 17 Mar 2018 3:46
Operator : JU/SJ
Sample : J1946-01 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104(4-5)

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	9.998	1341	1345	1347	rVV	2159015	2132405	13.48%	0.751%
36	10.057	1351	1355	1357	rVV2	4399438	4557043	28.80%	1.606%
37	10.122	1362	1366	1370	rBV2	1699528	2255650	14.26%	0.795%
38	10.192	1375	1378	1379	rVV2	770472	938494	5.93%	0.331%
39	10.216	1379	1382	1386	rVV2	2335218	2934497	18.55%	1.034%
40	10.257	1386	1389	1392	rVB	2329537	2037839	12.88%	0.718%
41	10.333	1397	1402	1404	rBV2	2232651	3058549	19.33%	1.078%
42	10.363	1404	1407	1409	rVV	1589606	1380389	8.72%	0.486%
43	10.427	1411	1418	1420	rBV6	1306666	2648555	16.74%	0.933%
44	10.474	1423	1426	1428	rBV	2384096	1988732	12.57%	0.701%
45	10.516	1428	1433	1435	rVV3	1025108	917792	5.80%	0.323%
46	10.539	1435	1437	1439	rVV	1744941	1326909	8.39%	0.468%
47	10.574	1439	1443	1448	rVB2	4055711	5716956	36.13%	2.014%
48	10.680	1458	1461	1464	rBV	1563785	1436779	9.08%	0.506%
49	10.721	1464	1468	1471	rVV5	833812	1422798	8.99%	0.501%
50	10.751	1471	1473	1476	rVB2	1068708	969400	6.13%	0.342%
51	10.792	1476	1480	1486	rVB2	2241012	3144273	19.87%	1.108%
52	10.927	1497	1503	1506	rBV3	1219520	1888036	11.93%	0.665%
53	11.116	1530	1535	1538	rBV2	2003293	2868569	18.13%	1.011%
54	11.145	1538	1540	1543	rVB	1556955	1270910	8.03%	0.448%
55	11.204	1547	1550	1552	rBV	1373625	1413881	8.94%	0.498%
56	11.316	1567	1569	1574	rVV3	1038283	1275541	8.06%	0.449%
57	11.416	1582	1586	1589	rVB	3165108	3580762	22.63%	1.262%
58	11.557	1603	1610	1613	rVB	4751364	9088641	57.44%	3.202%
59	11.598	1613	1617	1619	rBV	3692423	3600443	22.75%	1.269%
60	11.845	1656	1659	1663	rVV	2261075	2454932	15.51%	0.865%
61	11.933	1670	1674	1677	rVB	1905419	2216927	14.01%	0.781%
62	12.021	1685	1689	1691	rVV	3212637	3806888	24.06%	1.341%
63	12.051	1691	1694	1697	rVB	3568041	3820717	24.15%	1.346%
64	12.098	1697	1702	1705	rBV	2036904	2147759	13.57%	0.757%
65	12.133	1705	1708	1711	rVV2	3618364	5240804	33.12%	1.847%
66	12.163	1711	1713	1716	rVV	2899963	2303444	14.56%	0.812%
67	12.310	1735	1738	1741	rBV2	1734210	1715255	10.84%	0.604%
68	12.345	1742	1744	1749	rVB2	1167934	1188823	7.51%	0.419%
69	12.415	1749	1756	1758	rBV3	663179	1409975	8.91%	0.497%
70	12.515	1771	1773	1776	rVB2	1334148	1162638	7.35%	0.410%
71	12.574	1776	1783	1786	rBV	2759319	4735176	29.93%	1.668%

LSC Area Percent Report

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Acq On : 17 Mar 2018 3:46
Operator : JU/SJ
Sample : J1946-01 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104(4-5)

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

72	12.610	1786	1789	1791	rVV2	1442241	1803389	11.40%	0.635%
73	12.657	1794	1797	1802	rBV2	807012	1583870	10.01%	0.558%
74	12.745	1807	1812	1814	rBV	3897462	5001180	31.61%	1.762%
75	12.774	1814	1817	1819	rVV	932077	1095018	6.92%	0.386%
76	12.833	1823	1827	1830	rVV	2437938	2517140	15.91%	0.887%
77	12.892	1834	1837	1843	rVV3	1531670	2422682	15.31%	0.854%
78	12.980	1846	1852	1855	rVV	4311697	7480303	47.27%	2.636%
79	13.015	1855	1858	1862	rVV3	1133487	1398396	8.84%	0.493%
80	13.074	1865	1868	1870	rVV2	905537	1128727	7.13%	0.398%
81	13.098	1870	1872	1874	rVV2	951297	940033	5.94%	0.331%
82	13.186	1882	1887	1893	rVV3	1288016	2370447	14.98%	0.835%
83	13.239	1893	1896	1898	rVV	868855	928702	5.87%	0.327%
84	13.274	1898	1902	1903	rVV3	1399756	1905339	12.04%	0.671%
85	13.298	1903	1906	1908	rVV	2370156	2603406	16.45%	0.917%
86	13.362	1914	1917	1920	rVV	1965105	2156618	13.63%	0.760%
87	13.404	1920	1924	1927	rVV2	1953367	2388425	15.09%	0.842%
88	13.468	1931	1935	1937	rVV	1356187	1664391	10.52%	0.586%
89	13.498	1937	1940	1942	rVV	1857464	1995220	12.61%	0.703%
90	13.527	1942	1945	1954	rVB	2112876	2708376	17.12%	0.954%
91	13.921	2005	2012	2014	rBV2	1643860	2325699	14.70%	0.819%
92	13.945	2014	2016	2019	rVV	1059110	920429	5.82%	0.324%
93	14.168	2048	2054	2057	rBV2	3199559	5189019	32.79%	1.828%
94	14.204	2057	2060	2066	rVB	2861403	3558843	22.49%	1.254%
95	14.562	2116	2121	2125	rVV	1316771	1819421	11.50%	0.641%
96	14.698	2141	2144	2146	rVV	896457	1015282	6.42%	0.358%
97	15.262	2235	2240	2247	rBV	1234428	2724660	17.22%	0.960%
98	15.586	2290	2295	2301	rVB	1127283	1560083	9.86%	0.550%
99	15.656	2301	2307	2311	rVV	1764044	2501820	15.81%	0.881%
100	17.298	2579	2586	2592	rVB2	549708	1105554	6.99%	0.390%

Sum of corrected areas: 283822596

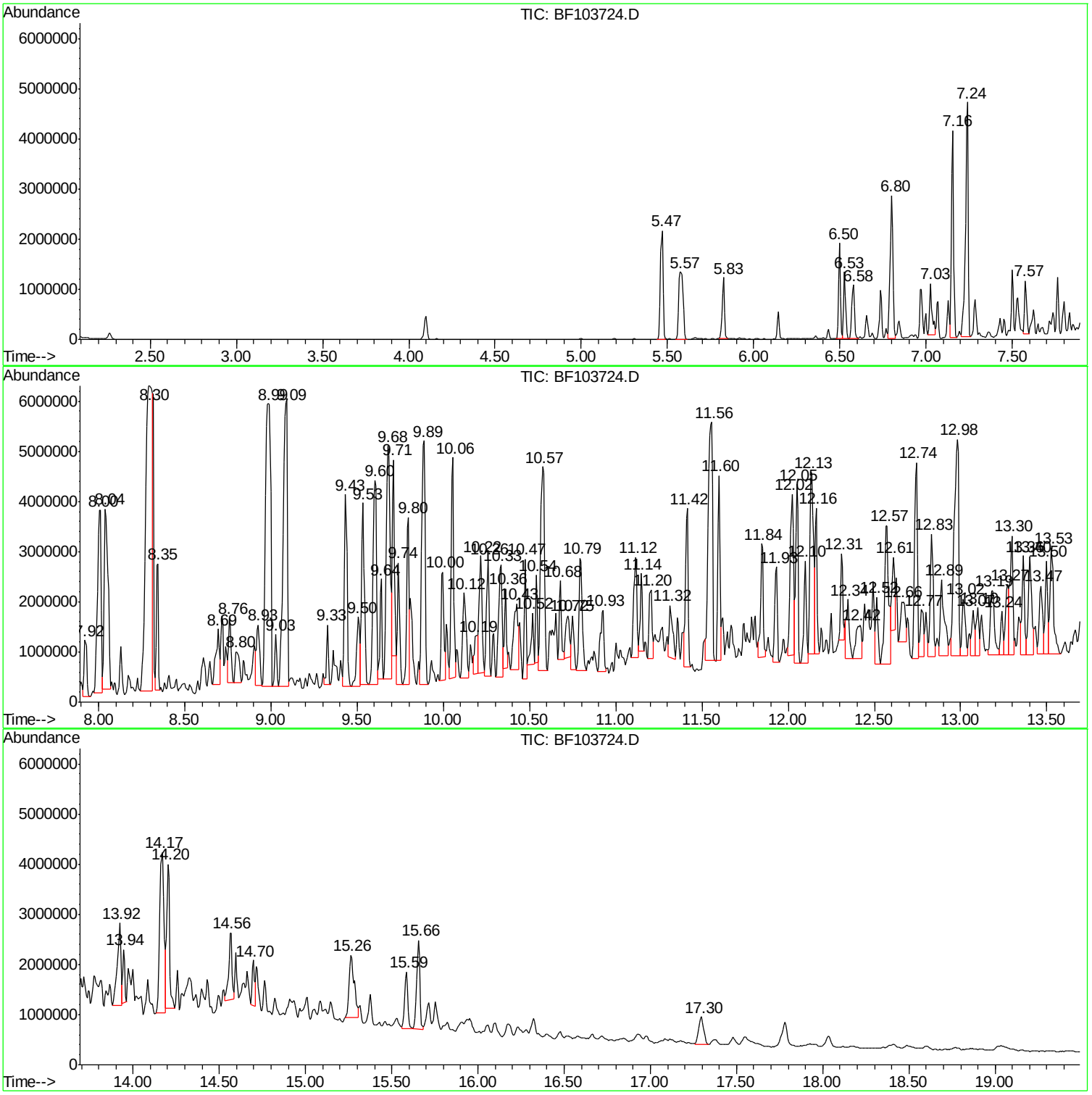
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031618\
Data File : BF103724.D
Acq On : 17 Mar 2018 3:46
Operator : JU/SJ
Sample : J1946-01 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104(4-5)

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\BF031618\
Data File : BF103724.D
Acq On : 17 Mar 2018 3:46
Operator : JU/SJ
Sample : J1946-01 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104(4-5)

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

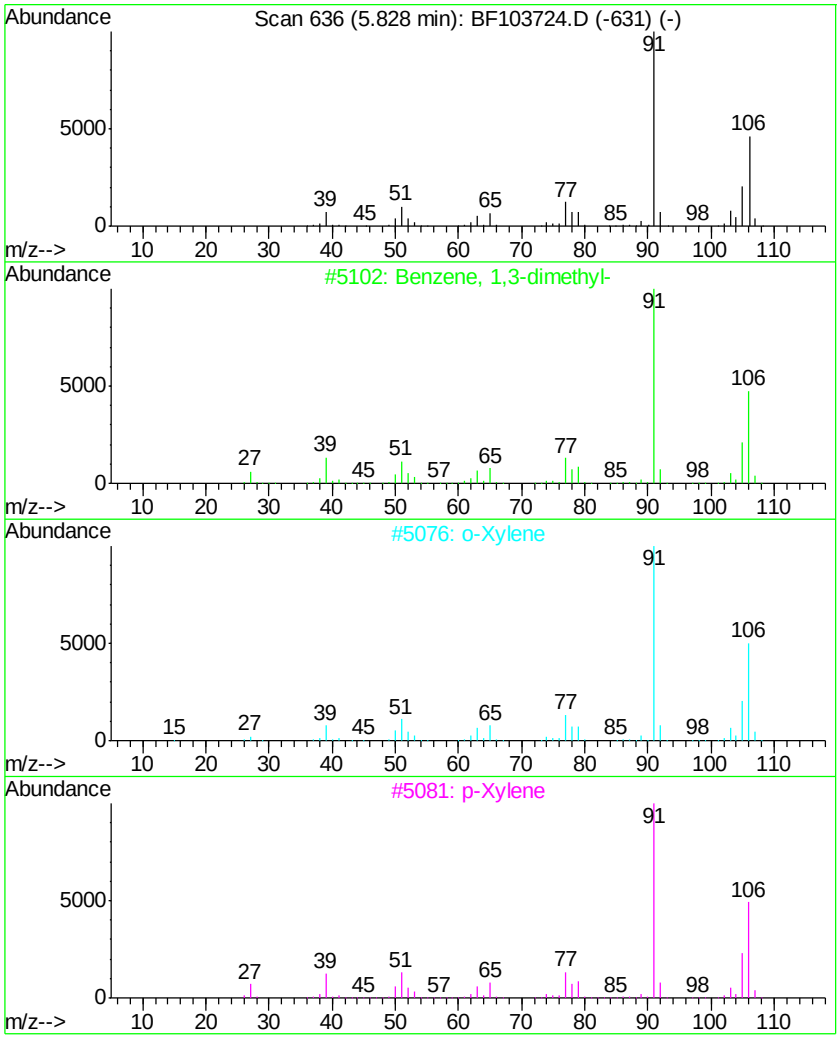
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

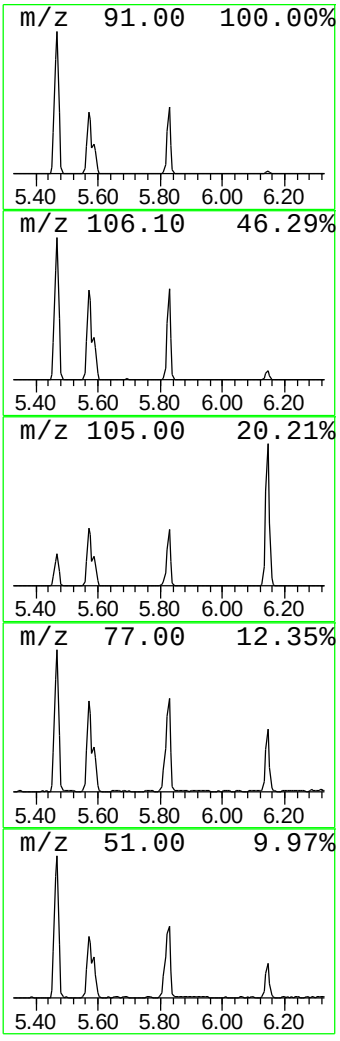
****

Peak Number 2 Benzene, 1,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.83	23.90 ng	1195210	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	95
2	o-Xylene	106	C8H10	000095-47-6	95
3	p-Xylene	106	C8H10	000106-42-3	95
4	Ethylbenzene	106	C8H10	000100-41-4	81
5	1,3-Cyclopentadiene, 5-(1-methyl...	106	C8H10	002175-91-9	80





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031618\
Data File : BF103724.D
Acq On : 17 Mar 2018 3:46
Operator : JU/SJ
Sample : J1946-01 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104(4-5)

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

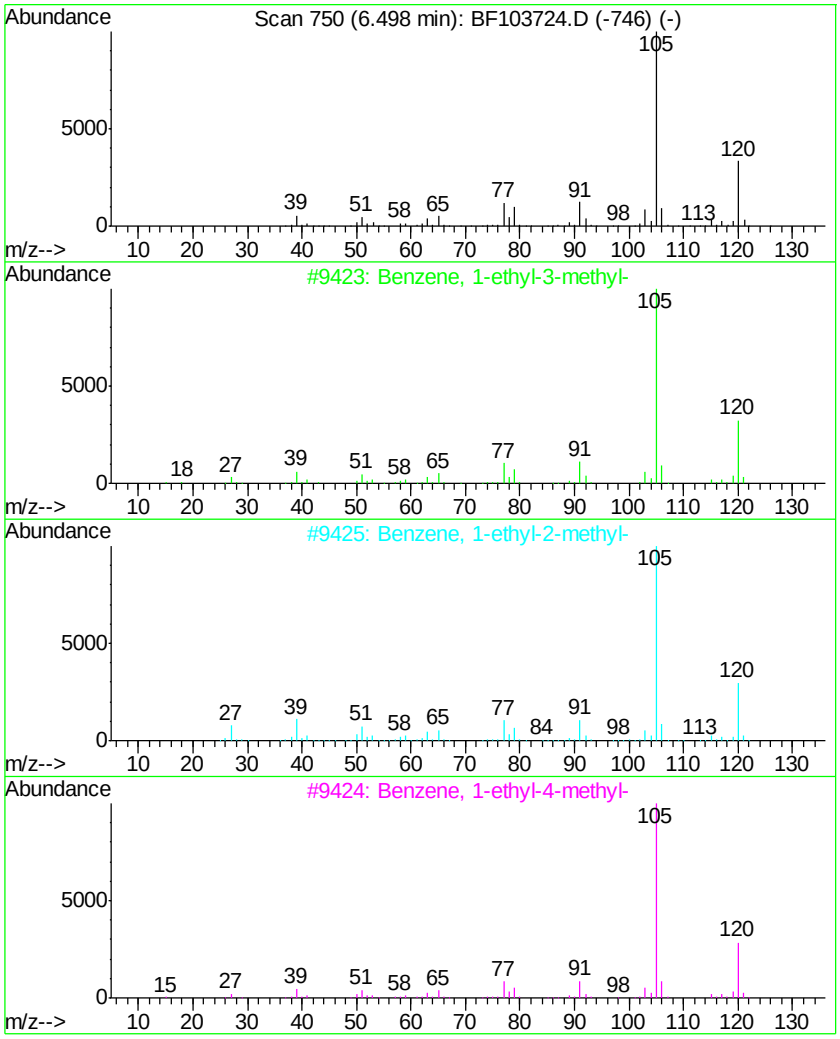
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

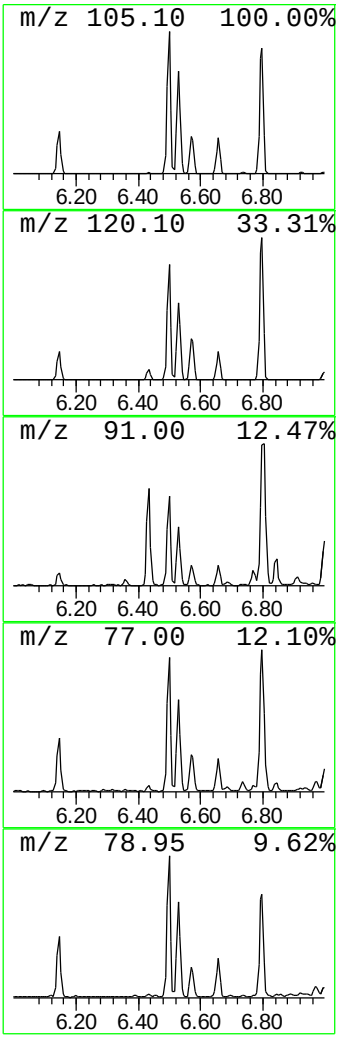
****

Peak Number 3 Benzene, 1-ethyl-3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	30.90 ng	1545420	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031618\
Data File : BF103724.D
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Sample : J1946-01 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104(4-5)

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

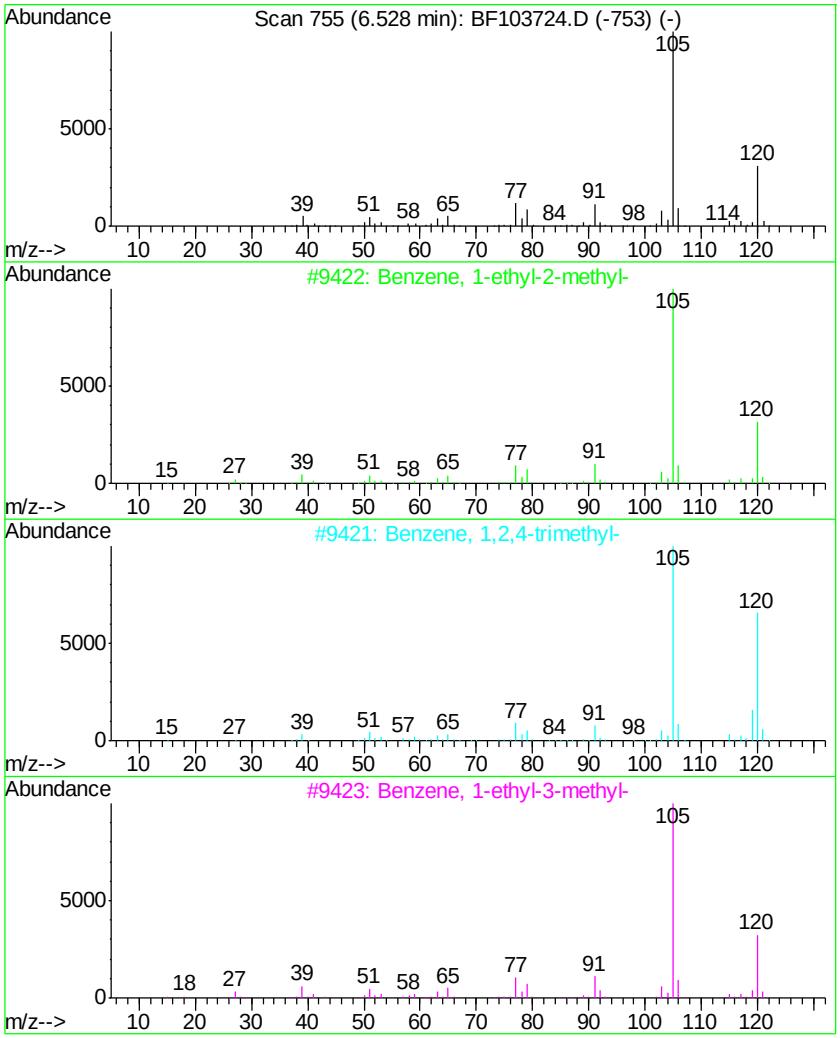
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

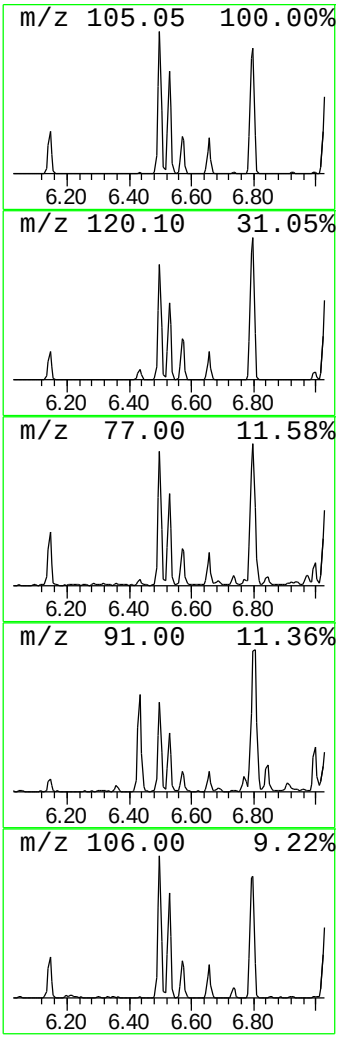
****

Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	19.86 ng	992955	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031618\
Data File : BF103724.D
Acq On : 17 Mar 2018 3:46
Operator : JU/SJ
Sample : J1946-01 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104(4-5)

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

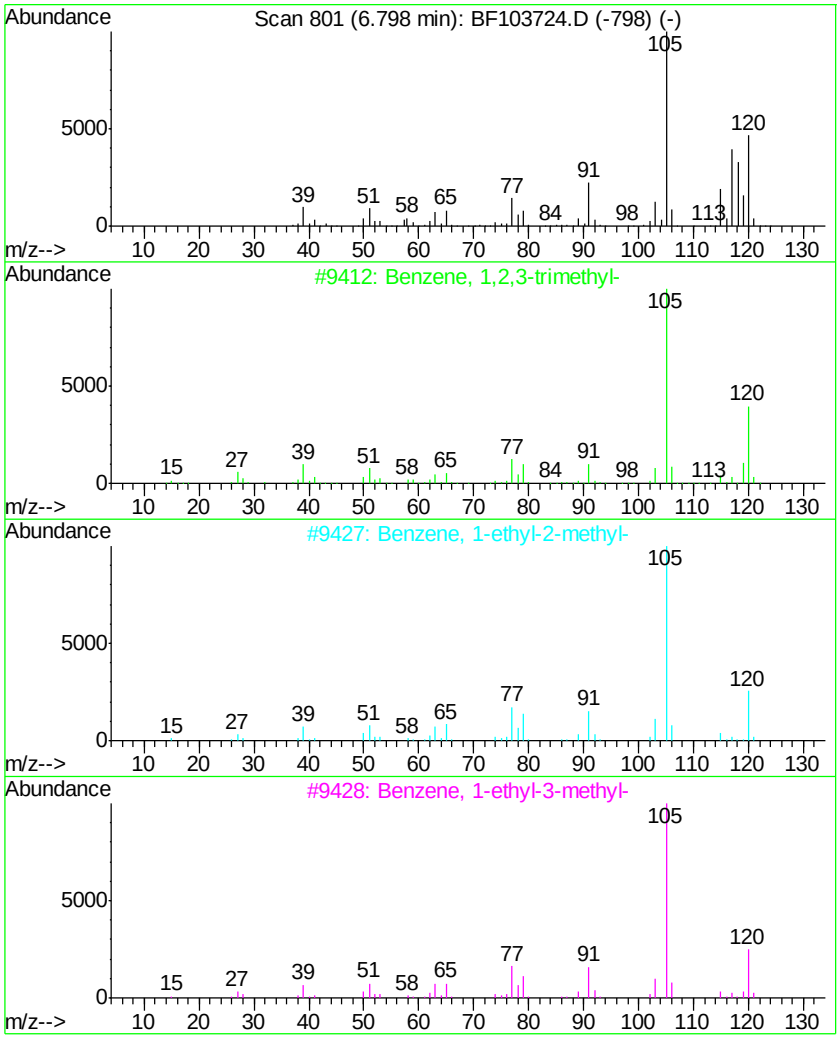
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

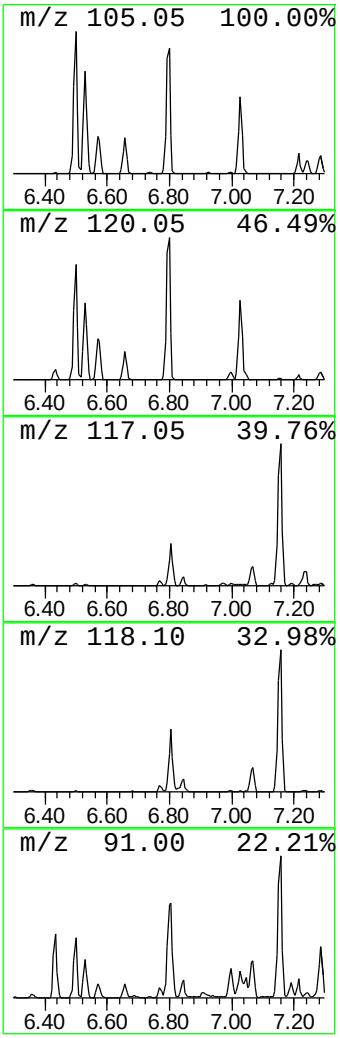
****

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.80	61.58 ng	3079500	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	55
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	50
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	50
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	49
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	45





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031618\
Data File : BF103724.D
Acq On : 17 Mar 2018 3:46
Operator : JU/SJ
Sample : J1946-01 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104(4-5)

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

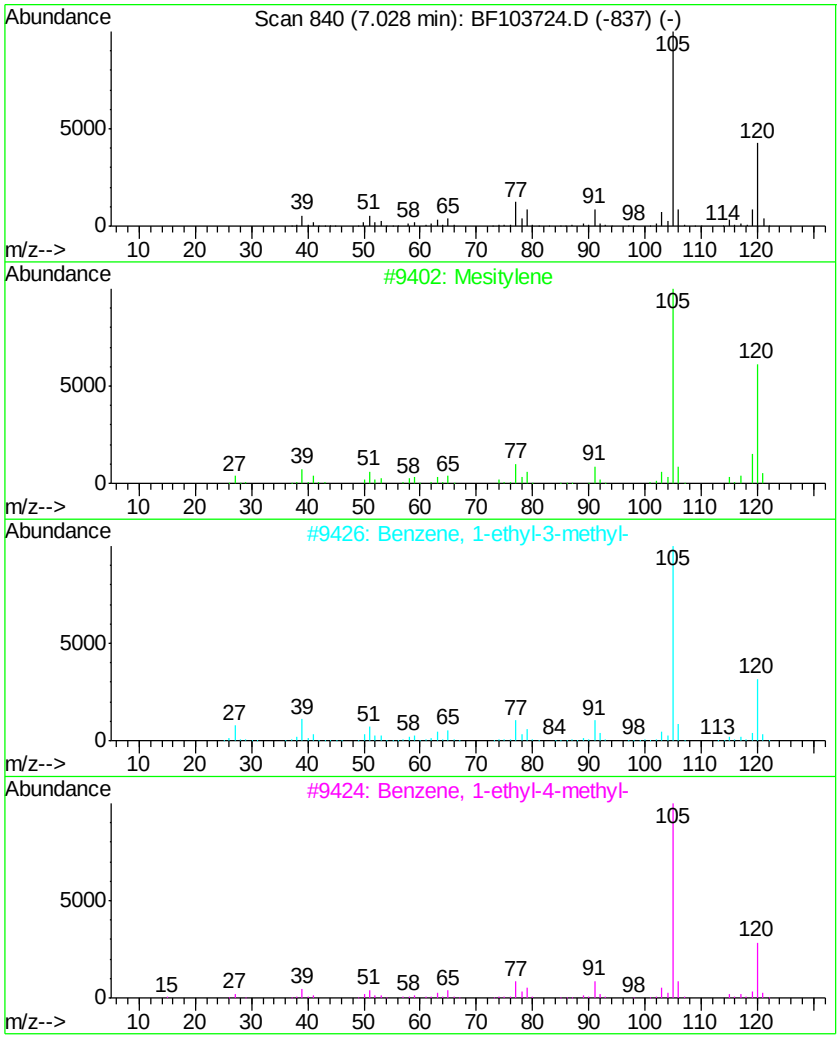
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

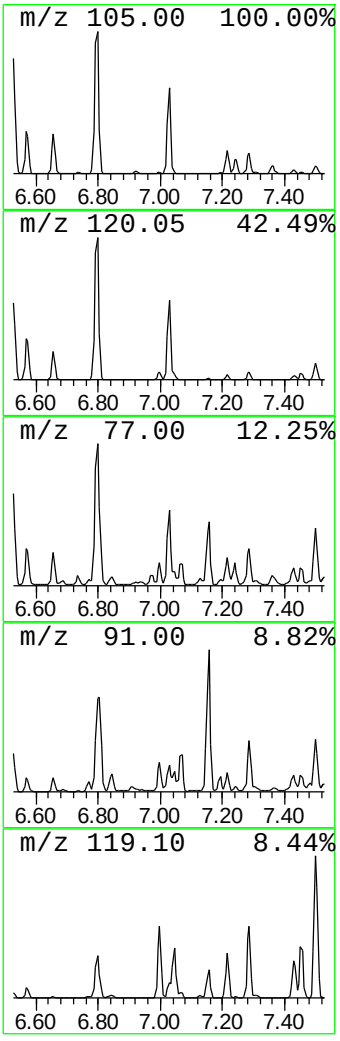
****

Peak Number 6 Mesitylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.03	20.00 ng	1000210	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	91
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90





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Operator : JU/SJ
Sample : J1946-01 5X
Misc :
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Instrument : BNA_F
ClientSampleId : SB-104(4-5)

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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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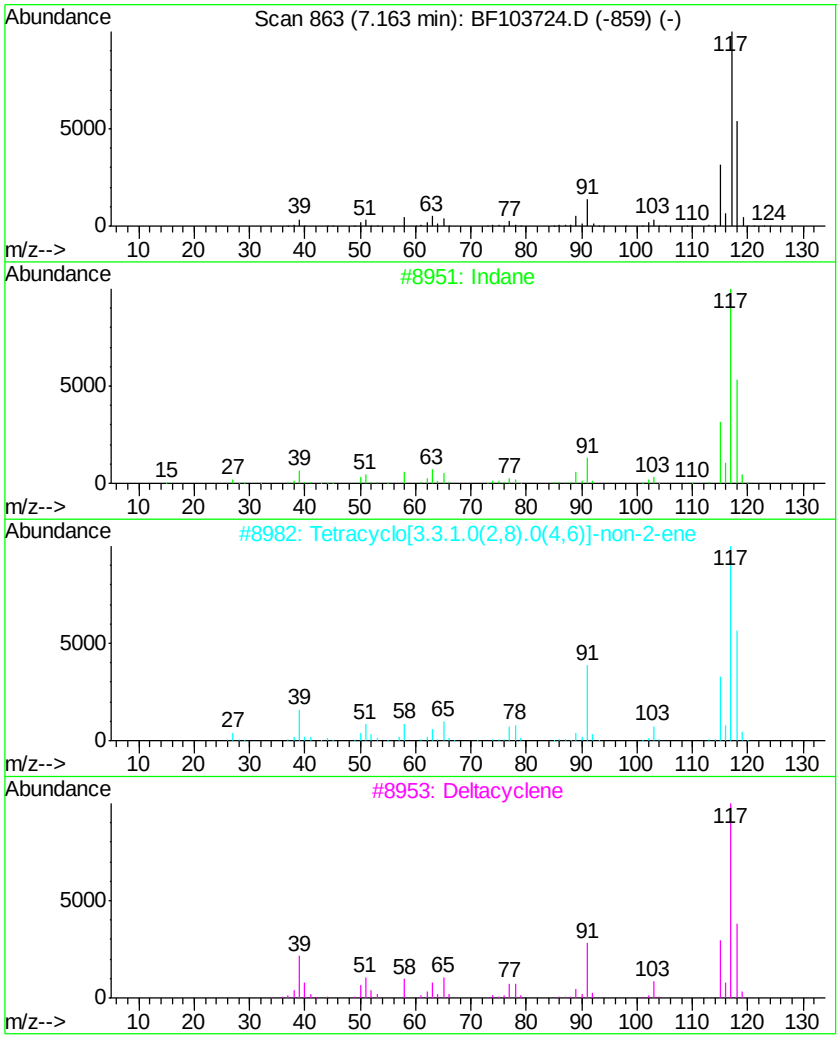
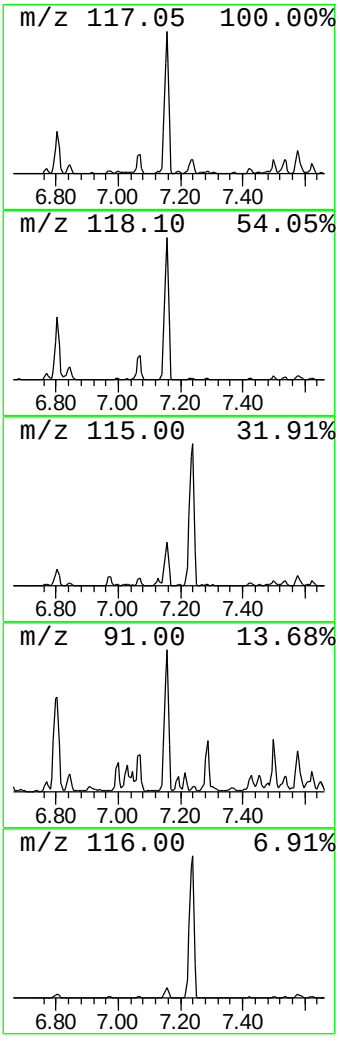
Peak Number 7 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	71.45 ng	3573440	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	83
3	Deltacyclene	118	C9H10	007785-10-6	72
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	72
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64





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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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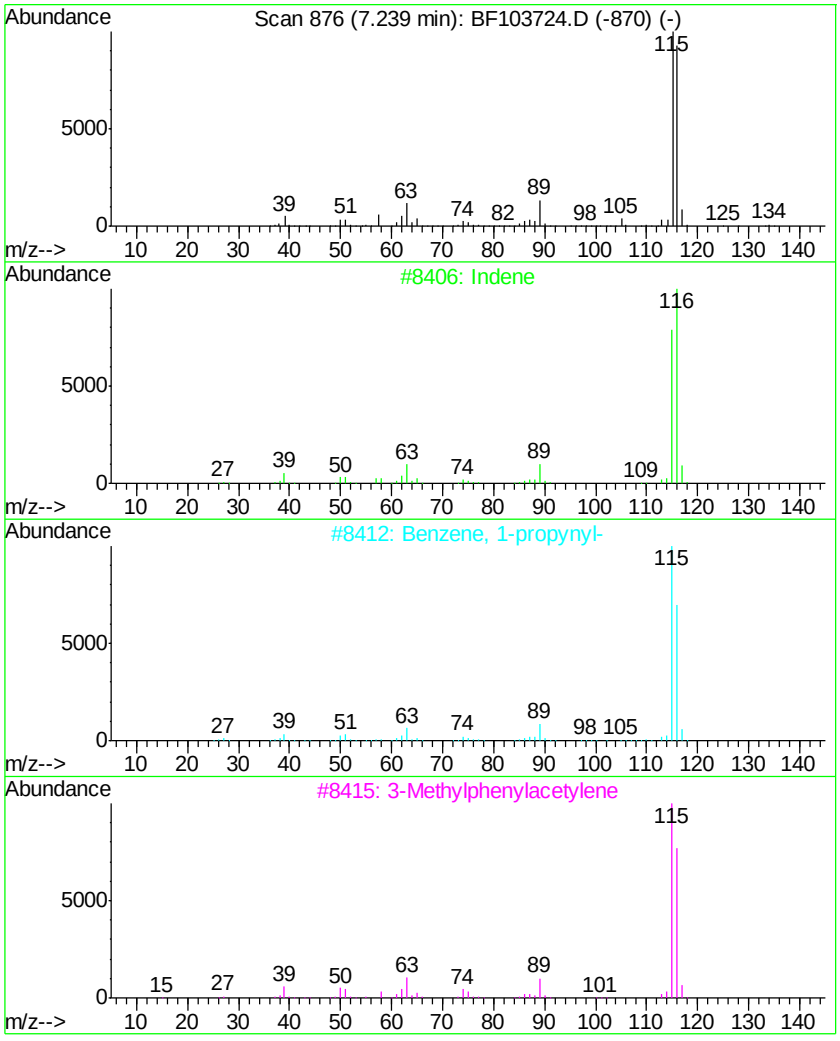
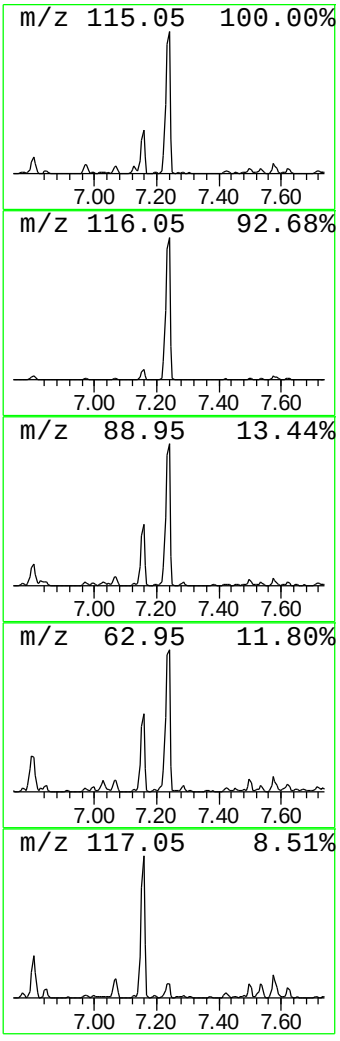
Peak Number 8 Indene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.24	98.40 ng	4921110	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
4	2-Methylphenylacetylene	116	C9H8	000766-47-2	91
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	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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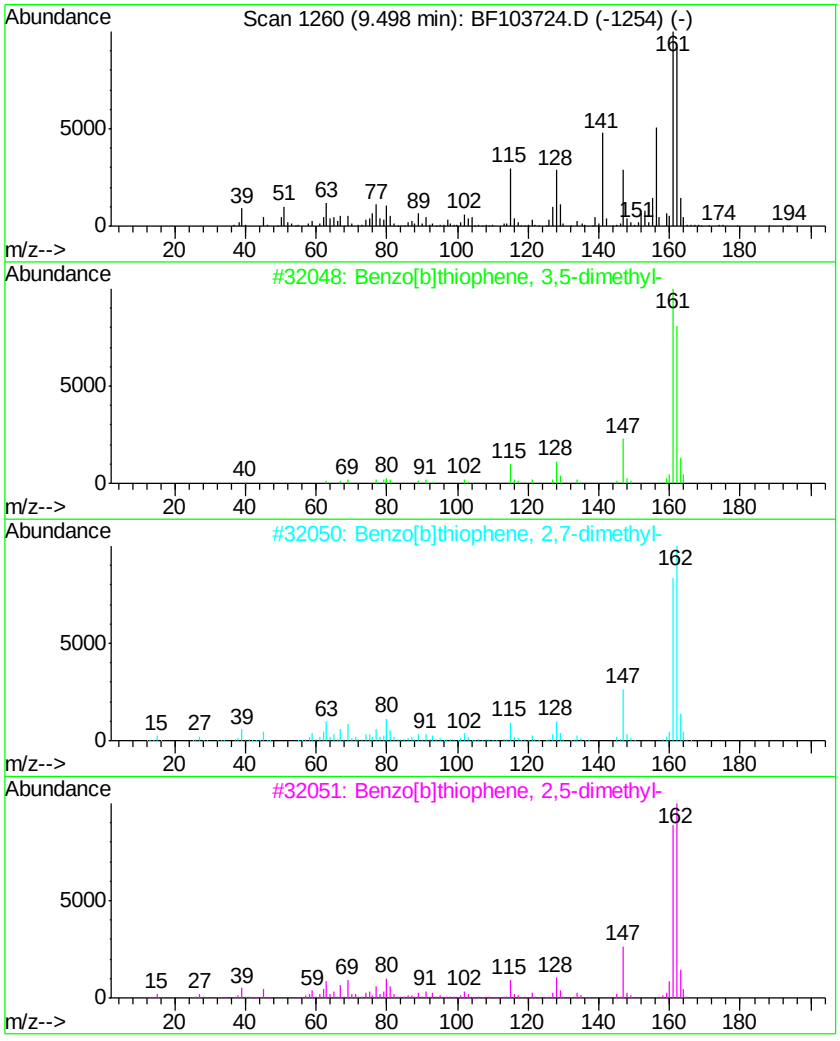
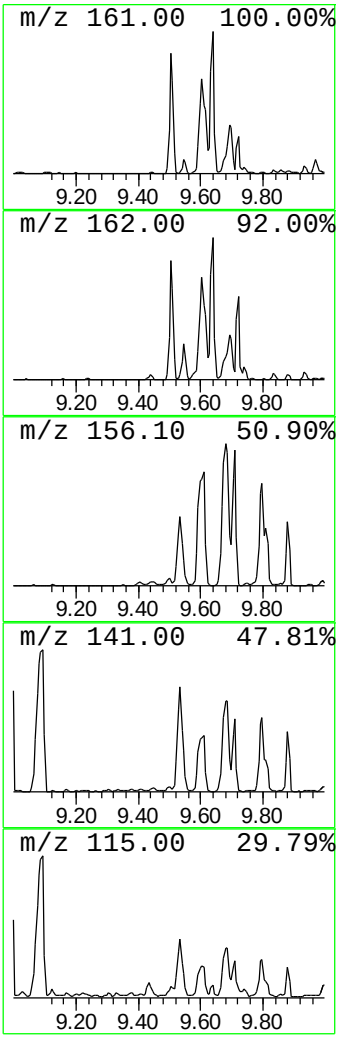
Peak Number 9 Benzo[b]thiophene, 3,5-dime... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	15.73 ng	1677030	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 3,5-dimethyl-	162	C10H10S	001964-45-0	95
2	Benzo[b]thiophene, 2,7-dimethyl-	162	C10H10S	016587-40-9	90
3	Benzo[b]thiophene, 2,5-dimethyl-	162	C10H10S	016587-48-7	87
4	4-Piperidinopyridine	162	C10H14N2	002767-90-0	64
5	5,8-Dimethyl-1,2,3,4-tetrahydroq...	162	C10H14N2	066102-39-4	53





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Sample : J1946-01 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104(4-5)

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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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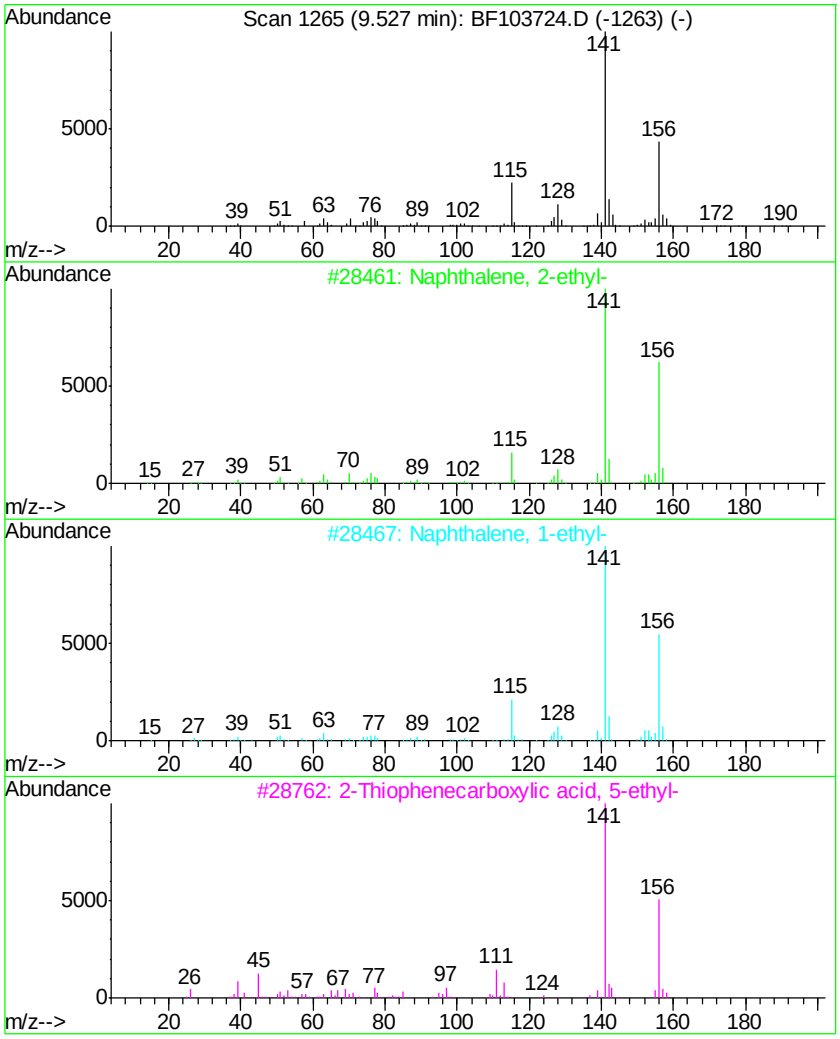
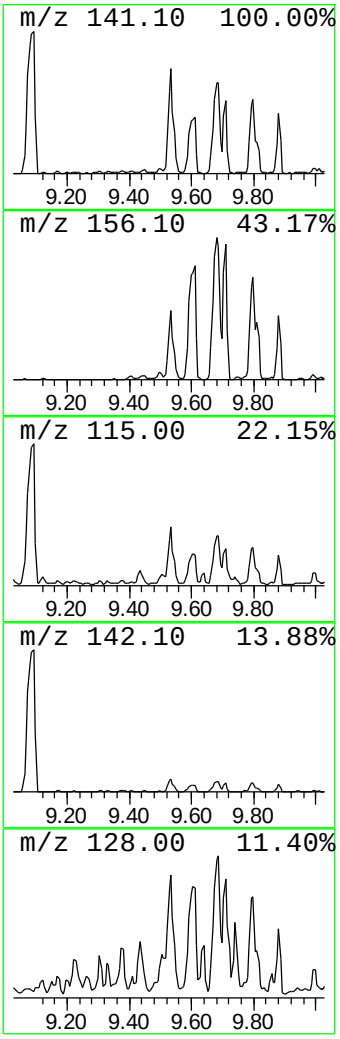
Peak Number 10 Naphthalene, 2-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.53	41.73 ng	4449560	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
3	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	64
4	2-Amino-4-tertbutylthiazole	156	C7H12N2S	074370-93-7	59
5	5-Acetyl-2-amino-4-methylthiazole	156	C6H8N2OS	030748-47-1	53





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Misc :
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Instrument : BNA_F
ClientSampleId : SB-104(4-5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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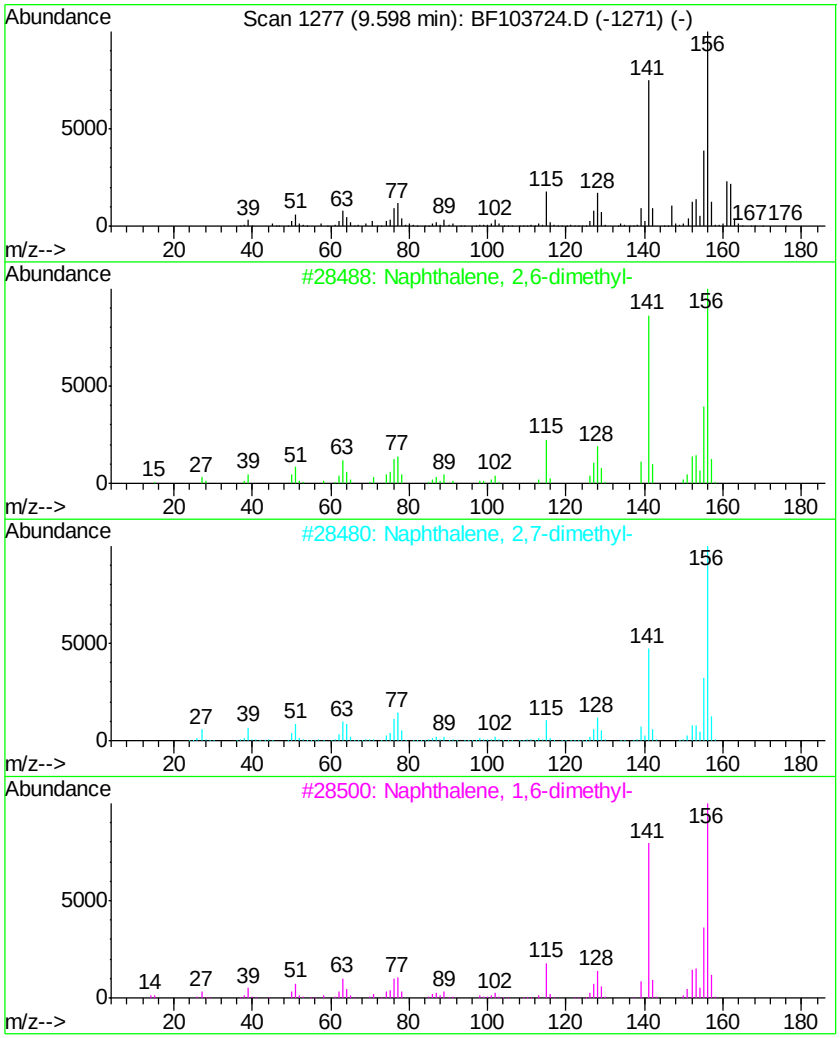
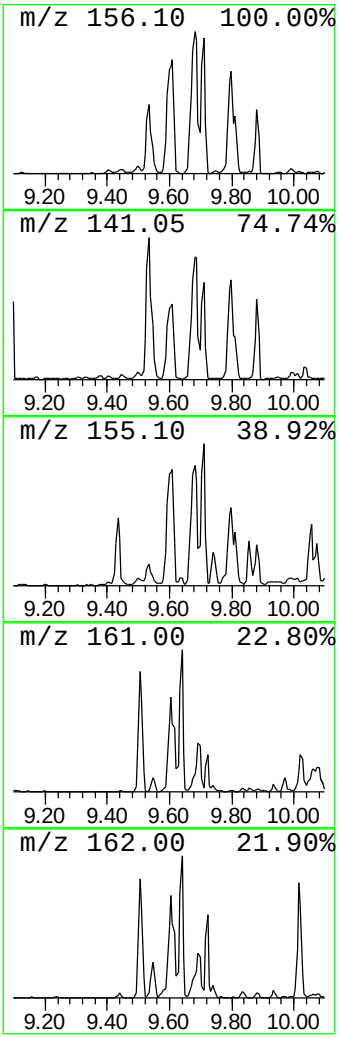
Peak Number 11 Naphthalene, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	59.18 ng	6309410	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





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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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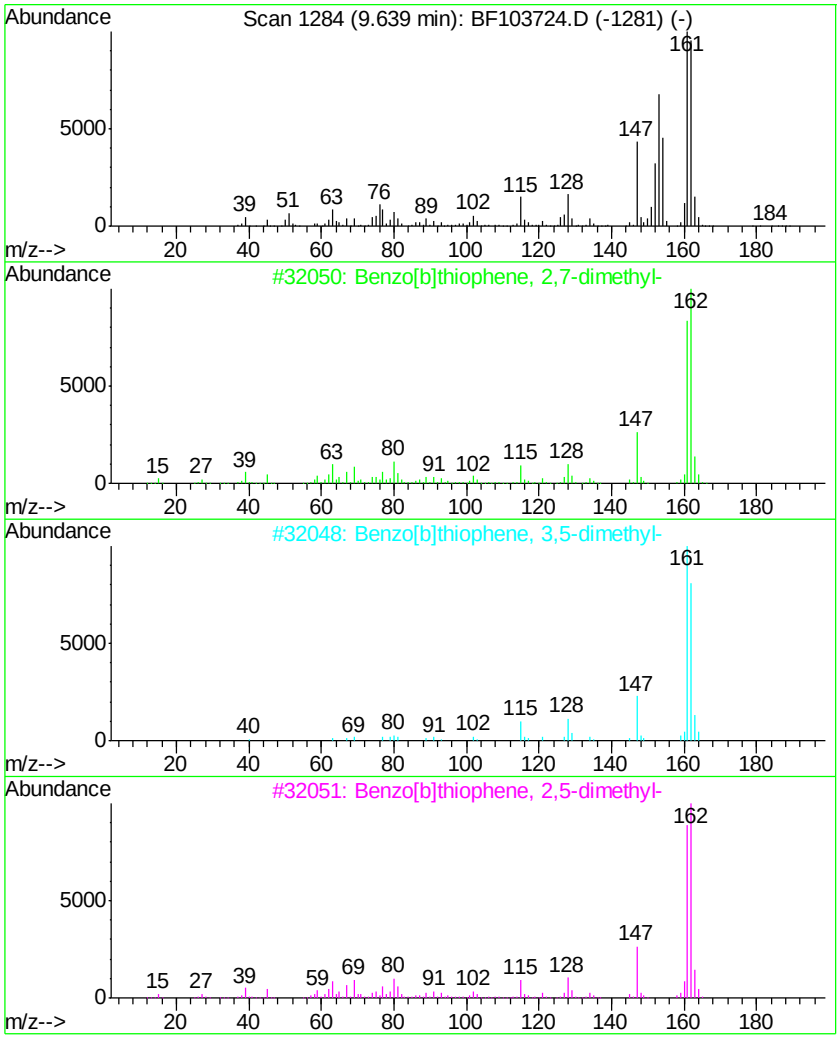
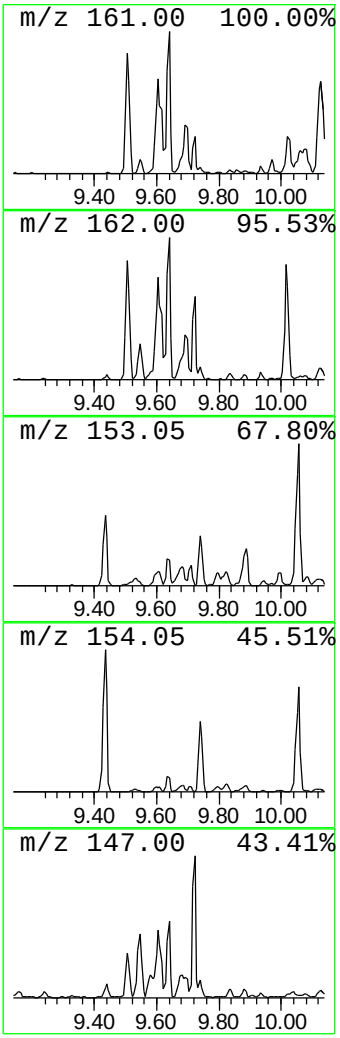
Peak Number 12 Benzo[b]thiophene, 2,7-dime... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.64	15.04 ng	1603710	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2,7-dimethyl-	162	C10H10S	016587-40-9	83
2	Benzo[b]thiophene, 3,5-dimethyl-	162	C10H10S	001964-45-0	83
3	Benzo[b]thiophene, 2,5-dimethyl-	162	C10H10S	016587-48-7	58
4	2,5-Dimethylthiophene-3,4-dicarb...	162	C8H6N2S	1000305-40-9	47
5	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	44





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Sample : J1946-01 5X
Misc :
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Instrument : BNA_F
ClientSampleId : SB-104(4-5)

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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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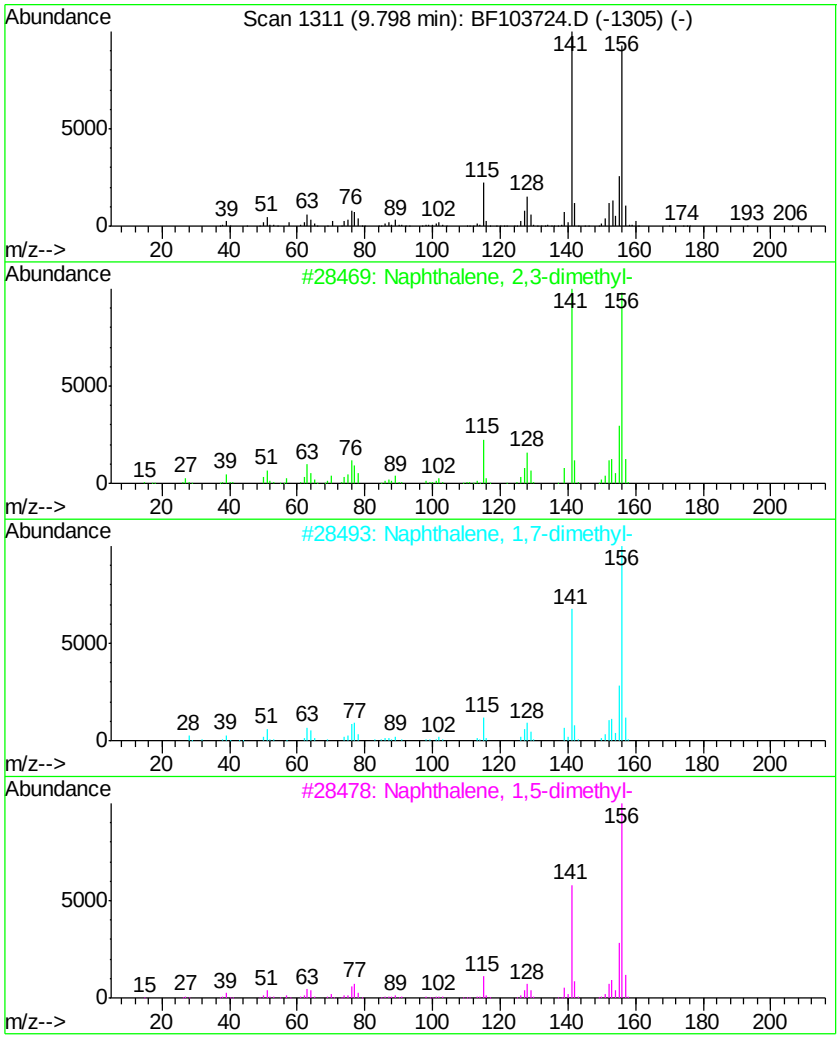
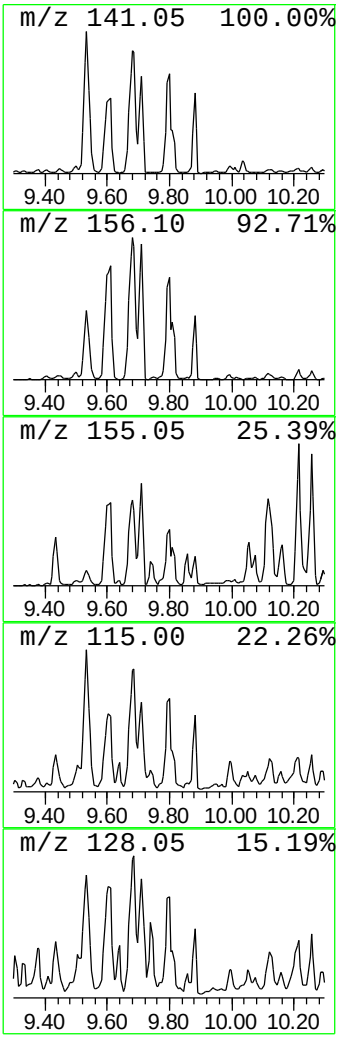
Peak Number 13 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.80	32.86 ng	3503960	Acenaphthene-d10	10.02

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, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





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Misc :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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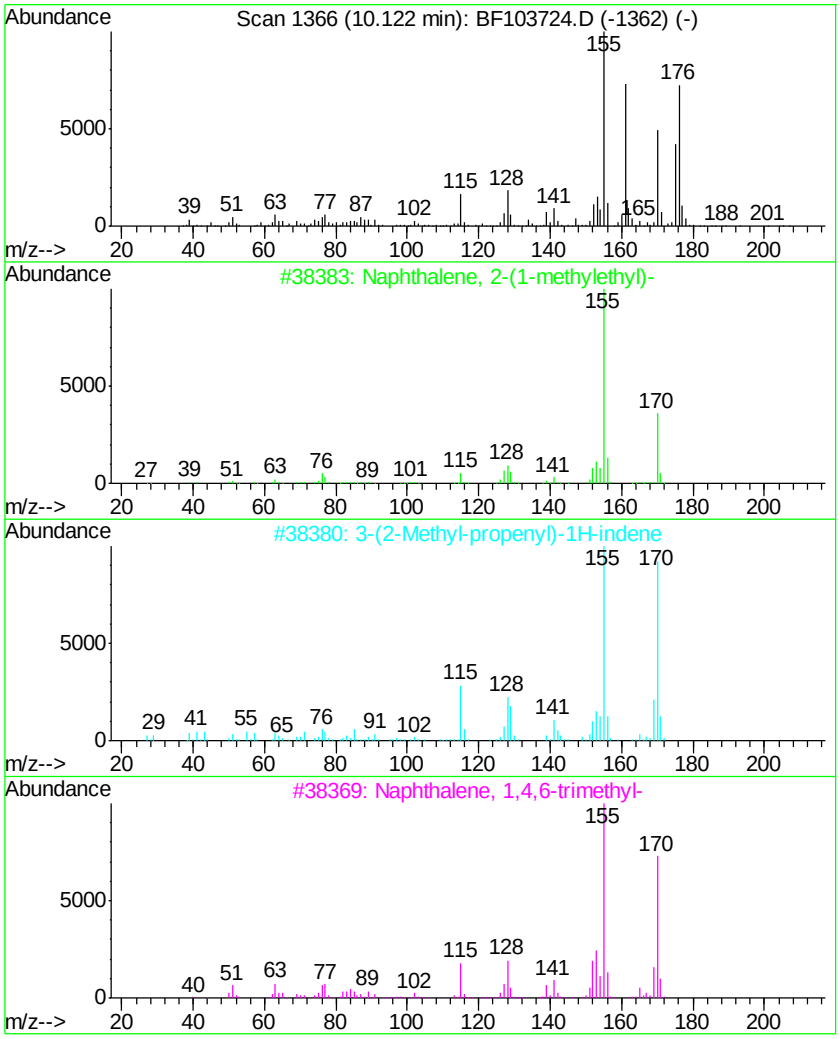
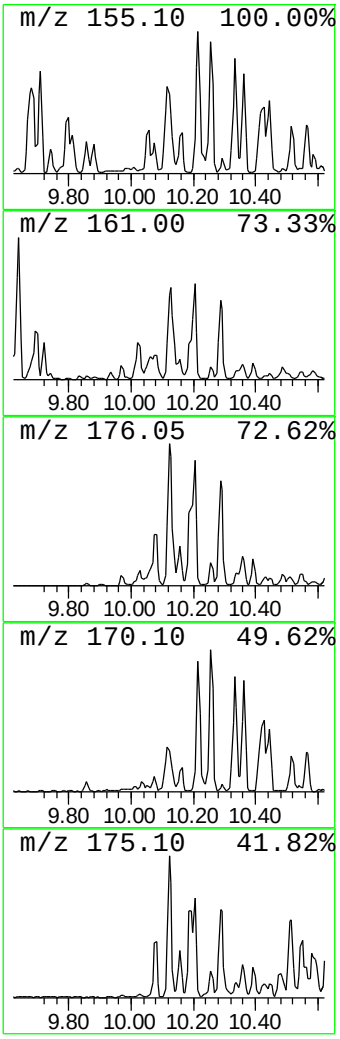
Peak Number 14 unknown10.12 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.12	21.16 ng	2255650	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	41
2	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	38
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	38
4	Benzo[b]thiophene, 7-ethyl-2-met...	176	C11H12S	016587-44-3	38
5	2-Acetyl-7-hydroxybenzofuran	176	C10H8O3	040020-87-9	30





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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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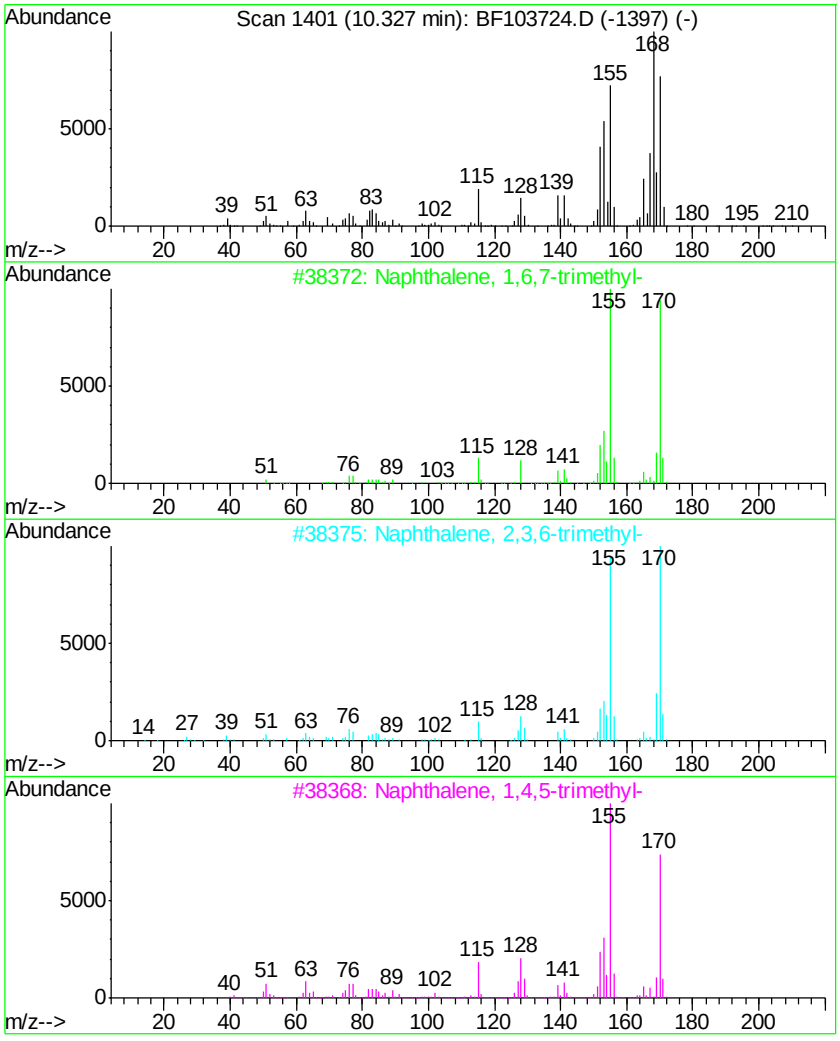
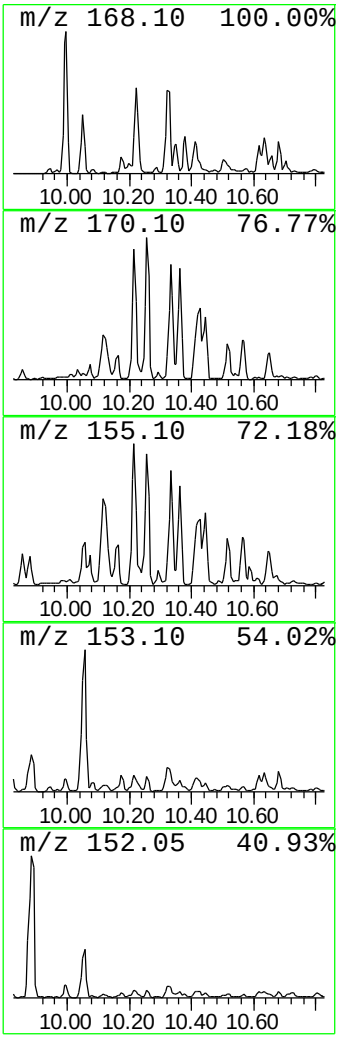
Peak Number 15 Naphthalene, 1,6,7-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	28.69 ng	3058550	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
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	90





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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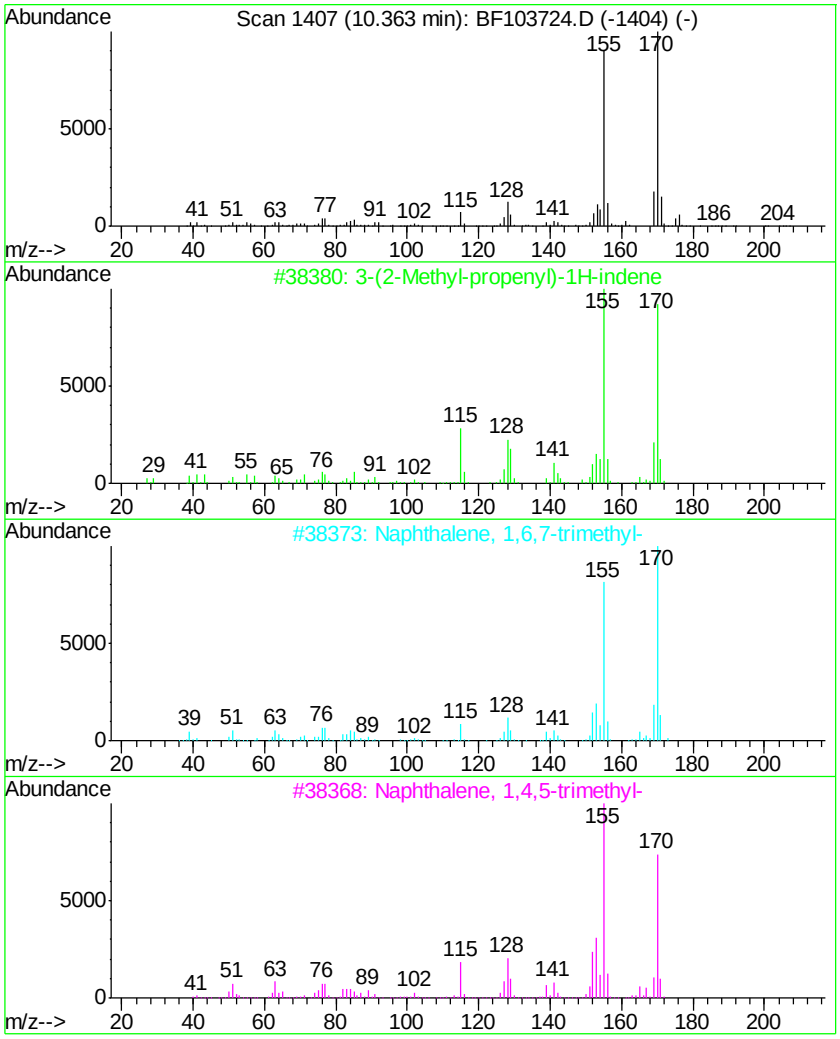
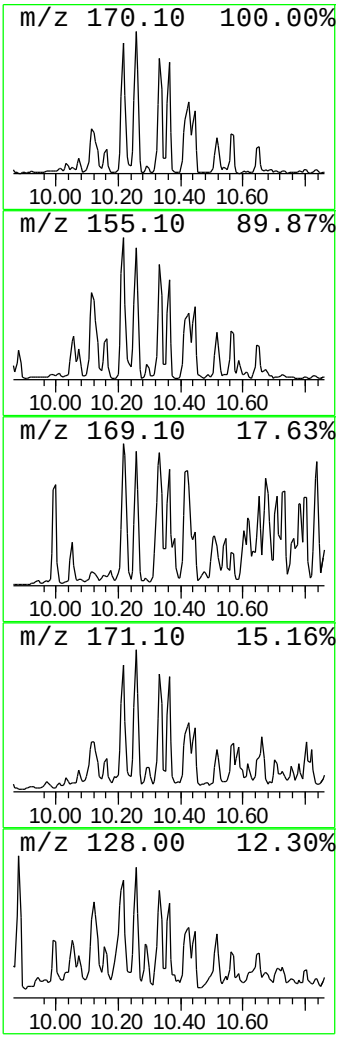
Peak Number 16 3-(2-Methyl-propenyl)-1H-in... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.36	12.95 ng	1380390	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	91
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	90
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	87
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	86
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	78





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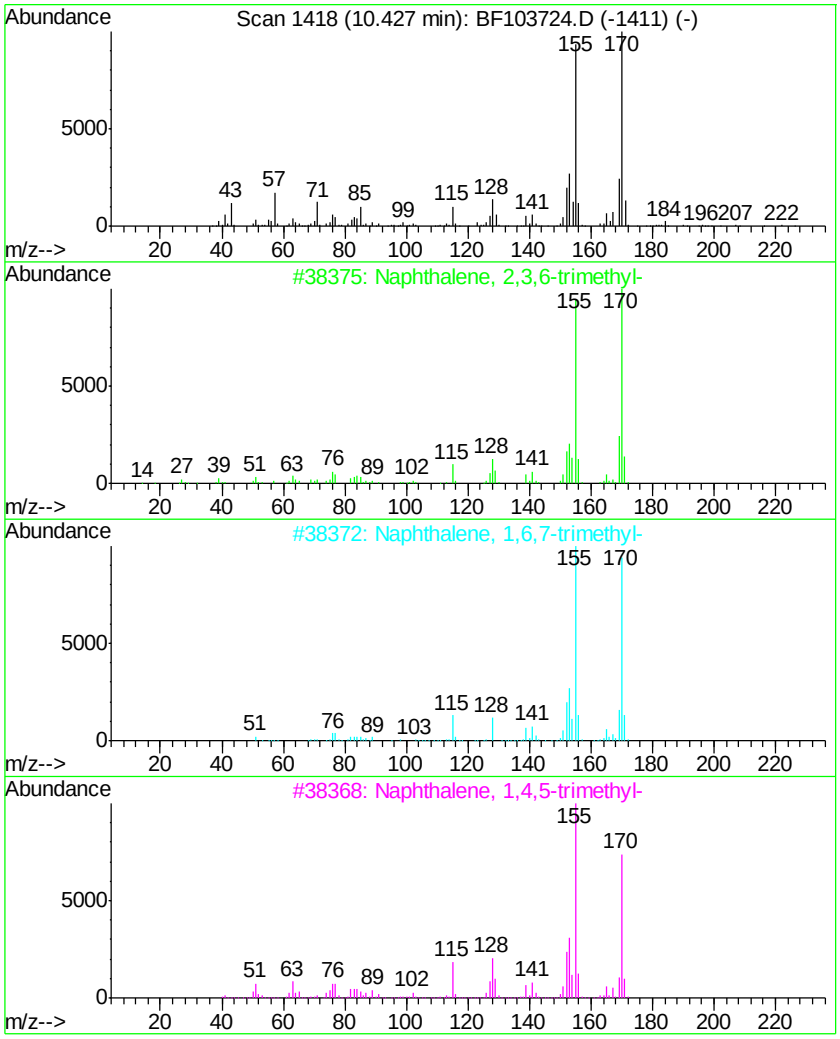
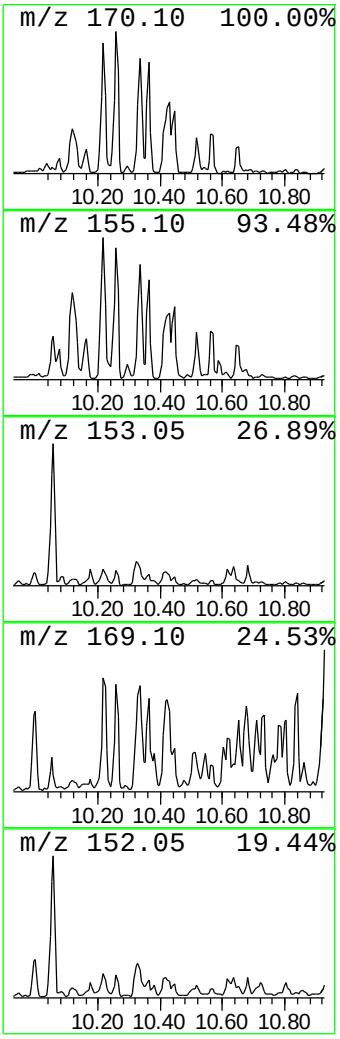
Peak Number 17 Naphthalene, 2,3,6-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	24.84 ng	2648560	Acenaphthene-d10	10.02

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	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	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	83





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Acq On : 17 Mar 2018 3:46
Operator : JU/SJ
Sample : J1946-01 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104(4-5)

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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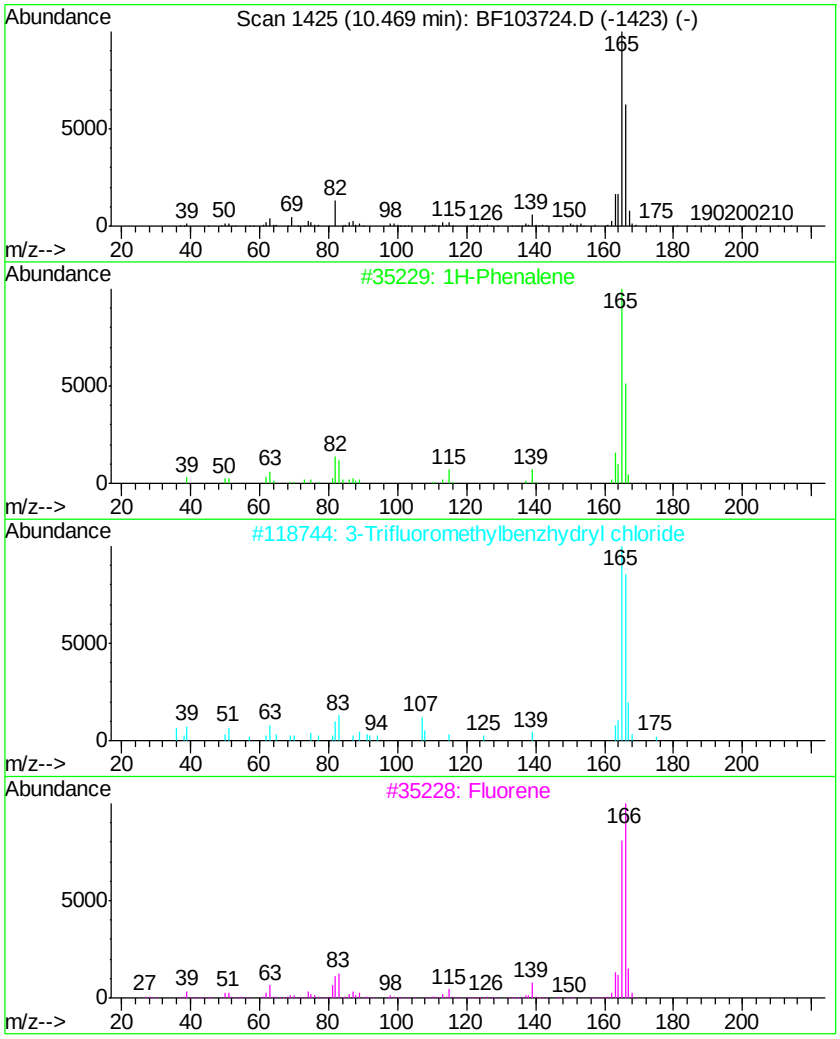
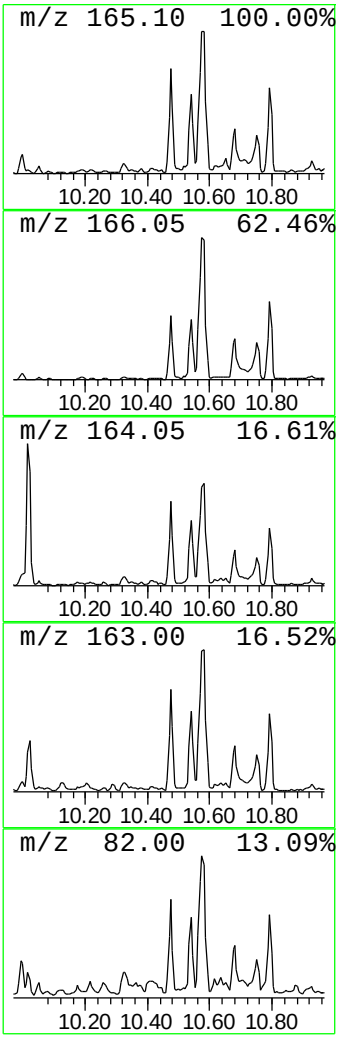
Peak Number 18 1H-Phenalene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	18.65 ng	1988730	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalene	166	C13H10	000203-80-5	87
2	3-Trifluoromethylbenzhydryl chlo...	270	C14H10ClF3	067240-79-3	64
3	Fluorene	166	C13H10	000086-73-7	52
4	9H-Fluorene, 9-bromo-	244	C13H9Br	001940-57-4	42
5	Benzaldehyde, 4,6-dihydroxy-2,3-...	166	C9H10O3	002990-31-0	9





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031618\
Data File : BF103724.D
Acq On : 17 Mar 2018 3:46
Operator : JU/SJ
Sample : J1946-01 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104(4-5)

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

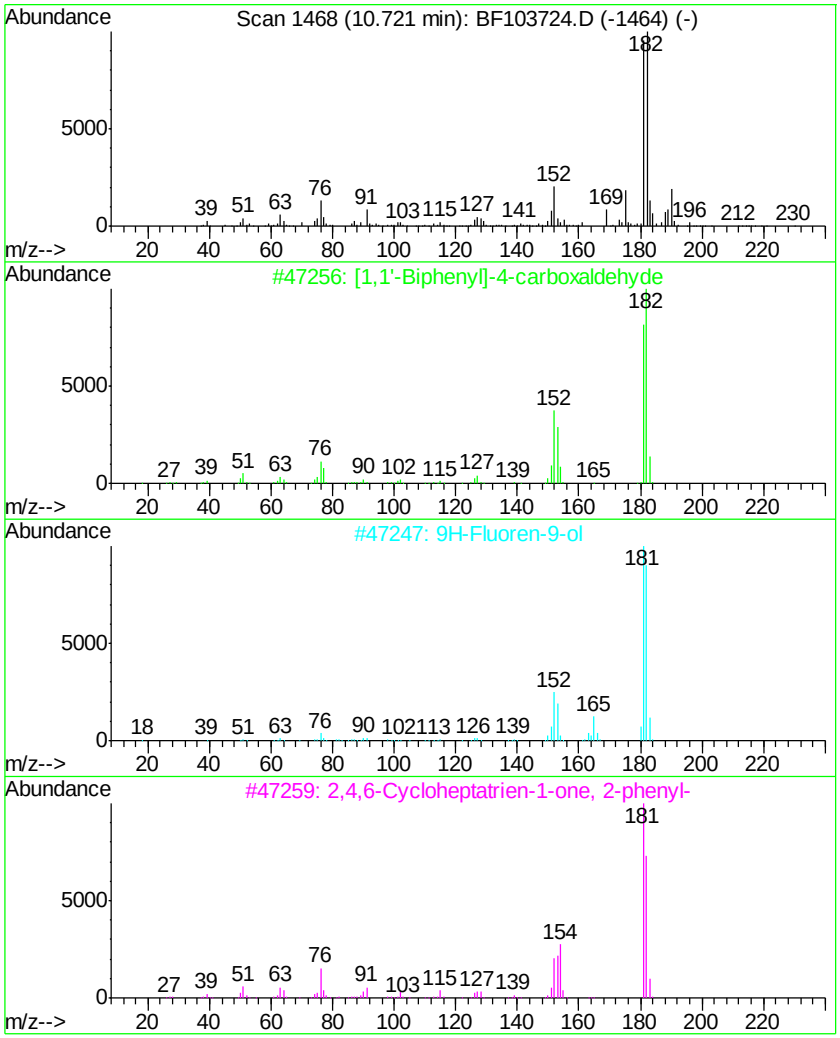
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

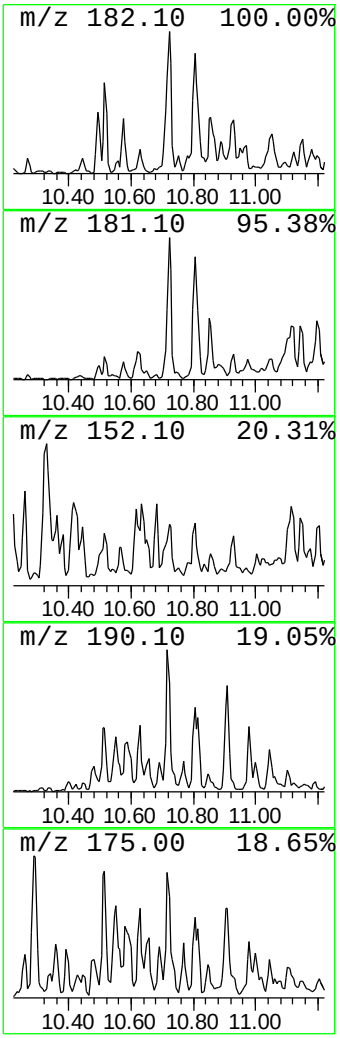
****

Peak Number 20 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	13.34 ng	1422800	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	89
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	64
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	59
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	53





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF031618\
Data File : BF103724.D
Acq On : 17 Mar 2018 3:46
Operator : JU/SJ
Sample : J1946-01 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104(4-5)

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
Benzene, 1,3-dime...	5.83	23.9	ng	1195210	1	6.97	1000210	20.0
Benzene, 1-ethyl-...	6.50	30.9	ng	1545420	1	6.97	1000210	20.0
Benzene, 1-ethyl-...	6.53	19.9	ng	992955	1	6.97	1000210	20.0
Benzene, 1,2,3-tr...	6.80	61.6	ng	3079500	1	6.97	1000210	20.0
Mesitylene	7.03	20.0	ng	1000210	1	6.97	1000210	20.0
Indane	7.16	71.5	ng	3573440	1	6.97	1000210	20.0
Indene	7.24	98.4	ng	4921110	1	6.97	1000210	20.0
Benzo[b]thiophene...	9.50	15.7	ng	1677030	3	10.02	2132410	20.0
Naphthalene, 2-et...	9.53	41.7	ng	4449560	3	10.02	2132410	20.0
Naphthalene, 2,6-...	9.60	59.2	ng	6309410	3	10.02	2132410	20.0
Benzo[b]thiophene...	9.64	15.0	ng	1603710	3	10.02	2132410	20.0
Naphthalene, 2,3-...	9.80	32.9	ng	3503960	3	10.02	2132410	20.0
unknown10.12	10.12	21.2	ng	2255650	3	10.02	2132410	20.0
Naphthalene, 1,6,...	10.33	28.7	ng	3058550	3	10.02	2132410	20.0
3-(2-Methyl-prope...	10.36	12.9	ng	1380390	3	10.02	2132410	20.0
Naphthalene, 2,3,...	10.43	24.8	ng	2648560	3	10.02	2132410	20.0
1H-Phenalene	10.47	18.6	ng	1988730	3	10.02	2132410	20.0
[1,1'-Biphenyl]-4...	10.72	13.3	ng	1422800	3	10.02	2132410	20.0