LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005246.D
Acq On : 05 May 2016 22:04
Operator : UM/SJ
Sample : H2813-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P3

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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_M\METHODS\SOM02.2-EPA-BM050516.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.434	461	467	480	rVB	109571	235800	1.45%	0.193%
2	5.798	522	529	537	rBV	103489	168609	1.04%	0.138%
3	6.945	716	724	729	rVV2	78963	175531	1.08%	0.144%
4	6.998	729	733	740	rVB	118522	172662	1.06%	0.141%
5	7.110	745	752	758	rBV	282474	450380	2.77%	0.369%
6	7.310	779	786	796	rBV	291012	470973	2.90%	0.386%
7	7.422	799	805	812	rVV	251514	390131	2.40%	0.320%
8	7.498	812	818	827	rVB	229607	383069	2.36%	0.314%
9	7.775	857	865	878	rVB	380568	624944	3.85%	0.512%
10	8.145	920	928	936	rBV	665485	1084019	6.68%	0.888%
11	8.310	949	956	967	rVB	1403216	2394919	14.75%	1.962%
12	8.481	979	985	996	rVB	247446	422450	2.60%	0.346%
13	8.933	1056	1062	1073	rVB2	398987	786739	4.85%	0.645%
14	9.122	1088	1094	1103	rBV	440040	706465	4.35%	0.579%
15	9.239	1103	1114	1121	rVV2	320008	788645	4.86%	0.646%
16	9.310	1121	1126	1134	rVV	177966	297233	1.83%	0.244%
17	9.651	1178	1184	1190	rBV	322971	531671	3.28%	0.436%
18	9.810	1206	1211	1223	rVB	134064	234027	1.44%	0.192%
19	9.963	1223	1237	1248	rBV3	226273	580821	3.58%	0.476%
20	10.192	1270	1276	1285	rVB2	562903	987982	6.09%	0.810%
21	10.569	1331	1340	1342	rBV	467724	839093	5.17%	0.688%
22	10.639	1342	1352	1358	rVV	5938489	16232406	100.00%	13.301%
23	10.739	1361	1369	1377	rVB	1886932	3304980	20.36%	2.708%
24	11.674	1520	1528	1537	rBV2	175788	380304	2.34%	0.312%
25	11.951	1570	1575	1583	rVB	118467	198062	1.22%	0.162%
26	12.122	1598	1604	1612	rVB	261187	433511	2.67%	0.355%
27	12.239	1612	1624	1630	rBV	3756555	7260607	44.73%	5.950%
28	12.345	1636	1642	1648	rBV	156025	272053	1.68%	0.223%
29	12.457	1648	1661	1669	rVB	2854888	5254914	32.37%	4.306%
30	13.245	1783	1795	1808	rBV	1687741	2614996	16.11%	2.143%
31	13.439	1822	1828	1839	rVB	413854	788278	4.86%	0.646%
32	13.592	1839	1854	1861	rBV2	533027	1476428	9.10%	1.210%
33	13.733	1871	1878	1883	rBV	794405	1443017	8.89%	1.182%
34	13.786	1883	1887	1890	rVV	529898	781324	4.81%	0.640%

LSC Area Percent Report

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Acq On : 05 May 2016 22:04
Operator : UM/SJ
Sample : H2813-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P3

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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_M\METHODS\SOM02.2-EPA-BM050516.M
Title : SVOA CALIBRATION

35	13.827	1890	1894	1900	rVB	964202	1381973	8.51%	1.132%
36	13.968	1912	1918	1922	rBV	308491	488002	3.01%	0.400%
37	14.110	1935	1942	1945	rBV	1111369	1784391	10.99%	1.462%
38	14.415	1984	1994	2000	rBV3	897336	1900894	11.71%	1.558%
39	14.486	2000	2006	2013	rVV	3744337	6648895	40.96%	5.448%
40	14.551	2013	2017	2022	rVB	220224	312513	1.93%	0.256%
41	14.633	2022	2031	2038	rBV2	105691	229337	1.41%	0.188%
42	14.727	2038	2047	2052	rVV	163661	259394	1.60%	0.213%
43	14.821	2056	2063	2070	rVB	3177325	5353264	32.98%	4.387%
44	14.892	2070	2075	2089	rVB3	86033	172752	1.06%	0.142%
45	15.027	2089	2098	2104	rBV2	90043	194756	1.20%	0.160%
46	15.410	2148	2163	2168	rBV	1380525	2363256	14.56%	1.937%
47	15.474	2168	2174	2181	rVV	3117743	5407266	33.31%	4.431%
48	15.539	2181	2185	2191	rVV2	526791	947369	5.84%	0.776%
49	15.592	2191	2194	2197	rVV3	203046	310394	1.91%	0.254%
50	15.627	2197	2200	2205	rVV2	319448	477589	2.94%	0.391%
51	15.715	2212	2215	2218	rVV	159647	216466	1.33%	0.177%
52	15.762	2218	2223	2231	rVB	376066	611620	3.77%	0.501%
53	15.904	2243	2247	2257	rVV	390882	812316	5.00%	0.666%
54	16.162	2276	2291	2301	rBV2	762212	1993841	12.28%	1.634%
55	16.257	2301	2307	2316	rBV2	111491	218347	1.35%	0.179%
56	16.351	2316	2323	2327	rBV	603183	931053	5.74%	0.763%
57	16.445	2334	2339	2341	rBV3	150647	227266	1.40%	0.186%
58	16.751	2373	2391	2397	rBV	407190	1393530	8.58%	1.142%
59	16.886	2408	2414	2419	rBV3	70833	166397	1.03%	0.136%
60	16.980	2425	2430	2438	rVB	583385	883052	5.44%	0.724%
61	17.074	2438	2446	2448	rBV	679003	1213194	7.47%	0.994%
62	17.168	2456	2462	2465	rBV	1062746	1773662	10.93%	1.453%
63	17.215	2465	2470	2475	rVV	4259400	7533635	46.41%	6.173%
64	17.268	2475	2479	2483	rVV	1758510	2686546	16.55%	2.201%
65	17.298	2483	2484	2490	rVB	502495	476628	2.94%	0.391%
66	17.533	2516	2524	2526	rBV	221747	457107	2.82%	0.375%
67	17.574	2526	2531	2537	rVB	1087555	1619852	9.98%	1.327%
68	17.680	2543	2549	2556	rBV4	78710	180381	1.11%	0.148%
69	18.039	2605	2610	2614	rBV	215329	320329	1.97%	0.262%
70	18.086	2614	2618	2623	rVB	387074	532494	3.28%	0.436%
71	18.239	2637	2644	2648	rBV	550087	905482	5.58%	0.742%

LSC Area Percent Report

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Acq On : 05 May 2016 22:04
Operator : UM/SJ
Sample : H2813-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P3

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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_M\METHODS\SOM02.2-EPA-BM050516.M
Title : SVOA CALIBRATION

72	18.956	2758	2766	2773	rBV8	65355	171771	1.06%	0.141%
73	19.227	2805	2812	2817	rVB	1465396	2117584	13.05%	1.735%
74	19.486	2851	2856	2863	rVV2	127683	237296	1.46%	0.194%
75	19.562	2863	2869	2872	rVV2	2079725	3201893	19.73%	2.624%
76	19.592	2872	2874	2883	rVV	1029477	1209382	7.45%	0.991%
77	19.968	2934	2938	2945	rBV	238918	325244	2.00%	0.267%
78	21.356	3167	3174	3178	rBV	1835517	2644075	16.29%	2.167%
79	21.839	3252	3256	3262	rBV	129785	193594	1.19%	0.159%
80	22.544	3371	3376	3386	rVB	264058	369039	2.27%	0.302%
81	23.485	3529	3536	3550	rVB2	1395031	2829012	17.43%	2.318%
82	23.633	3553	3561	3573	rVB	1142604	2185983	13.47%	1.791%

Sum of corrected areas: 122037159

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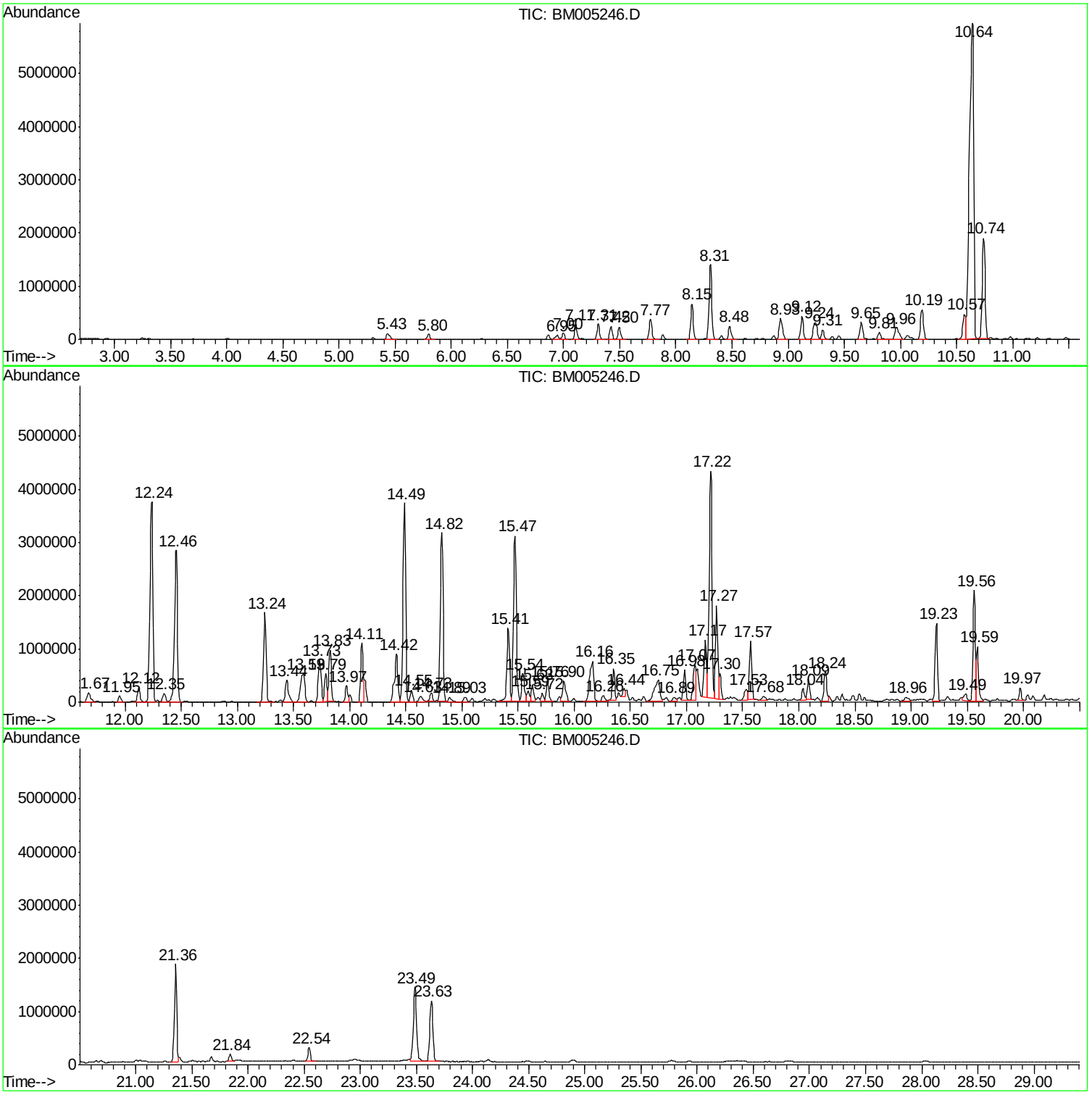
Operator : UM/SJ
Sample : H2813-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BC7P3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005246.D
Acq On : 05 May 2016 22:04
Operator : UM/SJ
Sample : H2813-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

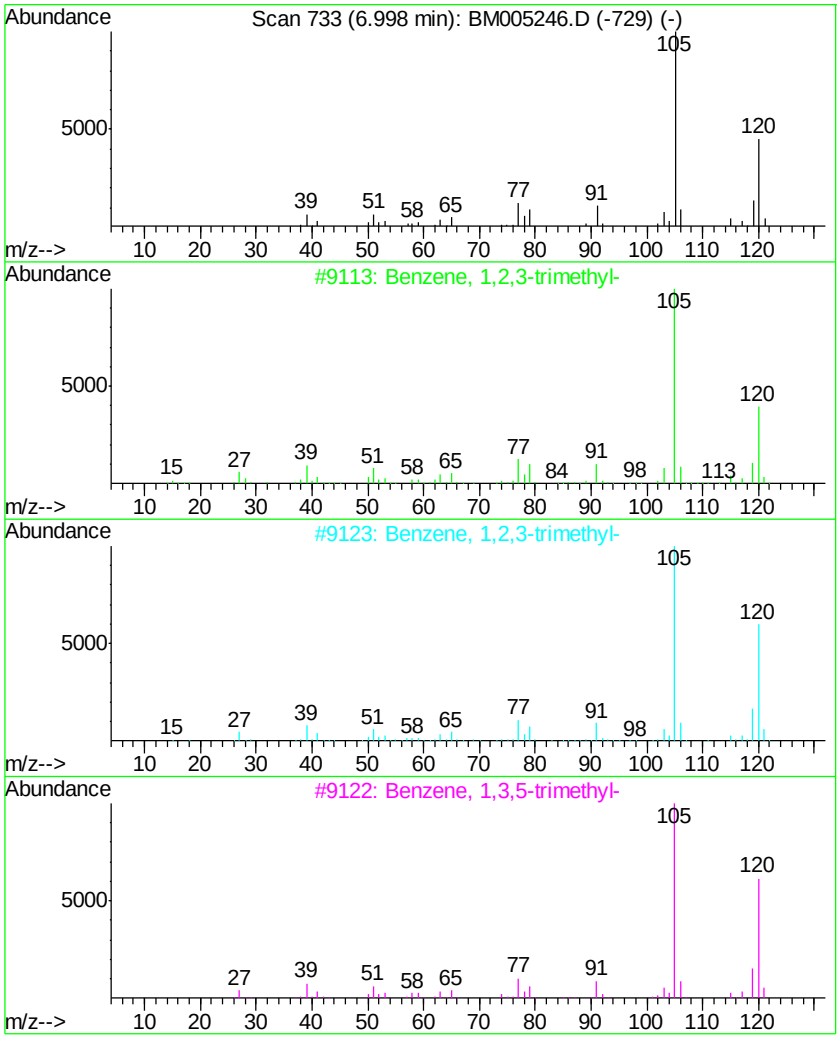
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

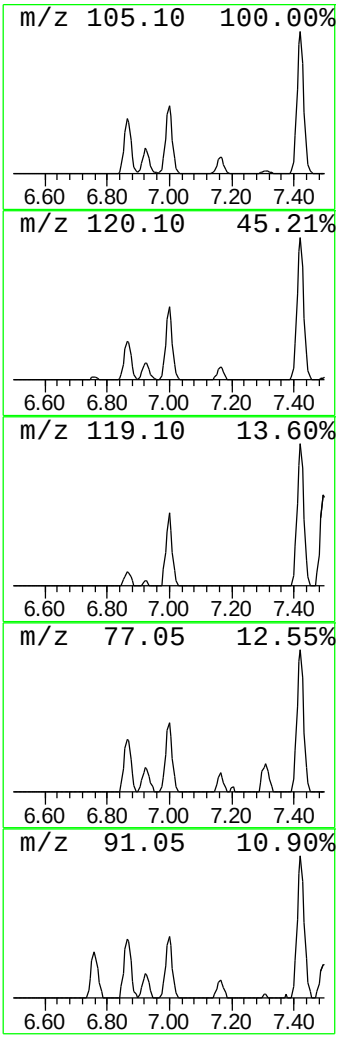
****

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.00	5.53 ng/ul	172662	1,4-Dichlorobenzene-d4	7.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	97
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	95
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005246.D
Acq On : 05 May 2016 22:04
Operator : UM/SJ
Sample : H2813-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

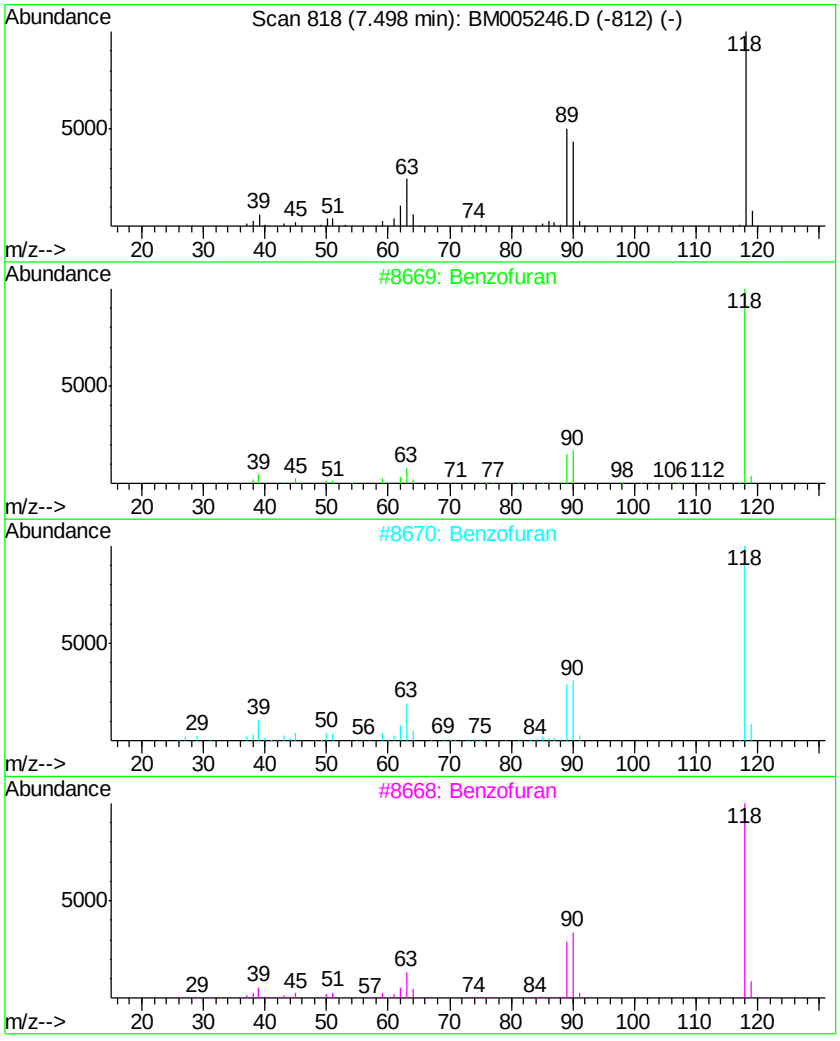
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

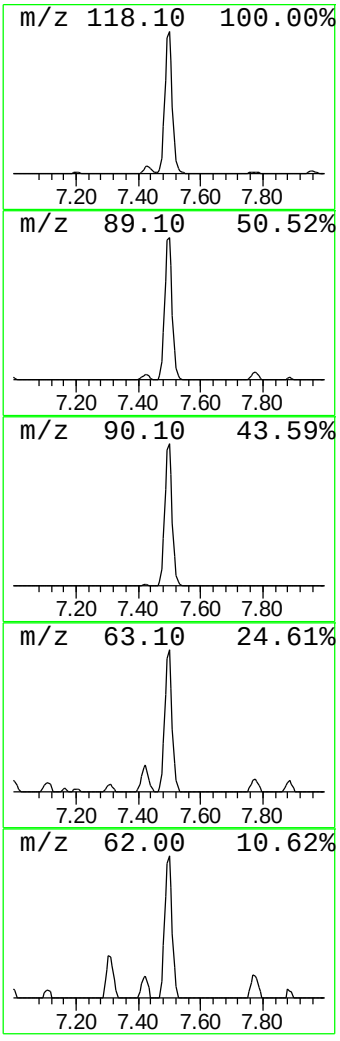
****

Peak Number 5 Benzofuran Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.50	12.26 ng/ul	383069	1,4-Dichlorobenzene-d4	7.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	91
2	Benzofuran	118	C8H6O	000271-89-6	90
3	Benzofuran	118	C8H6O	000271-89-6	87
4	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	72
5	3-Pyridineacetonitrile	118	C7H6N2	006443-85-2	40





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005246.D
Acq On : 05 May 2016 22:04
Operator : UM/SJ
Sample : H2813-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

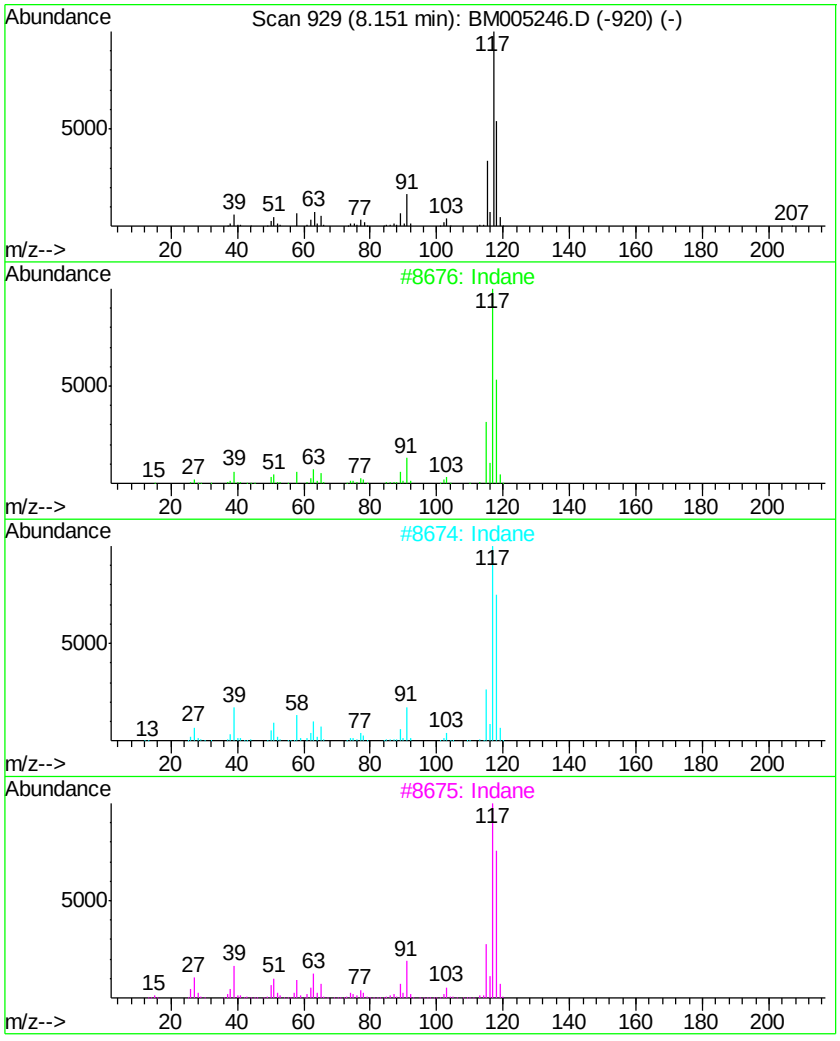
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

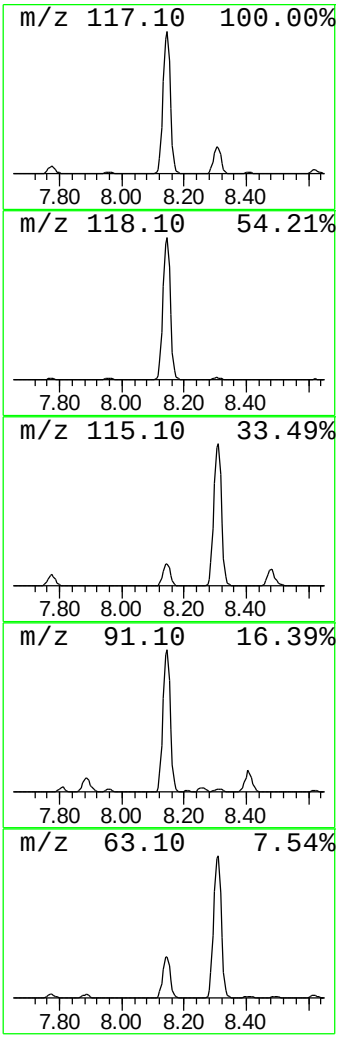
****

Peak Number 6 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	34.69 ng/ul	1084020	1,4-Dichlorobenzene-d4	7.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	91
3	Indane	118	C9H10	000496-11-7	60
4	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	53
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	53





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005246.D
Acq On : 05 May 2016 22:04
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Sample : H2813-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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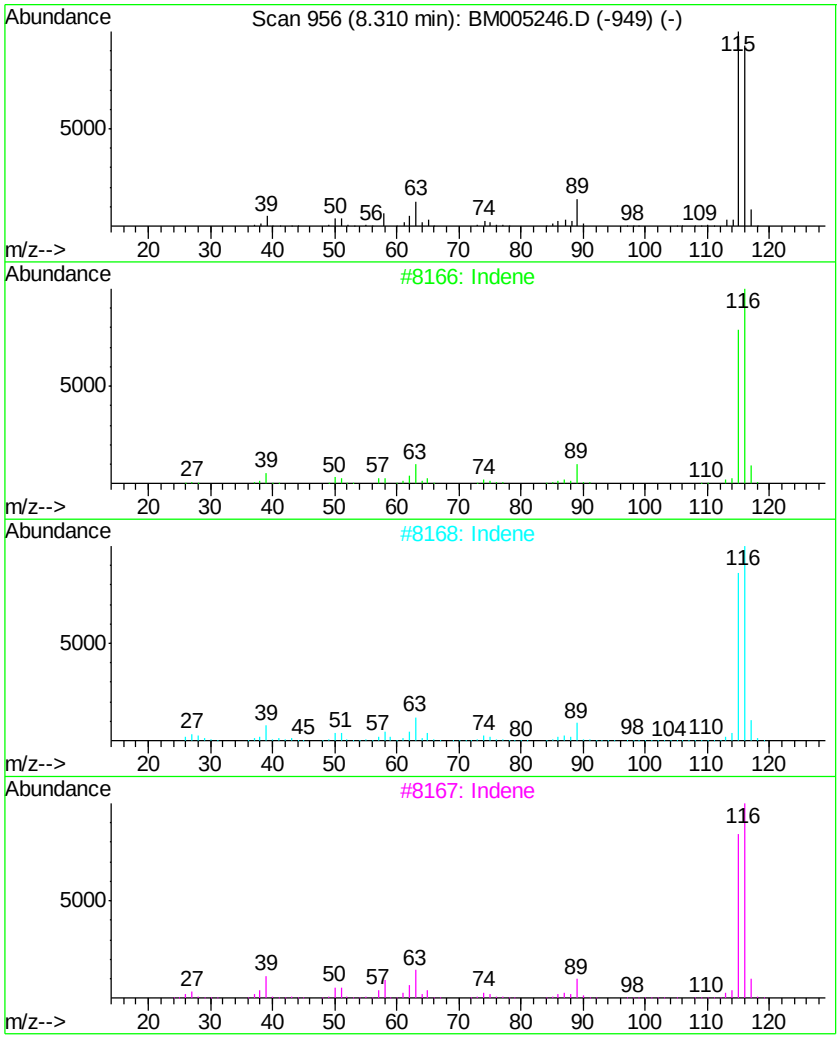
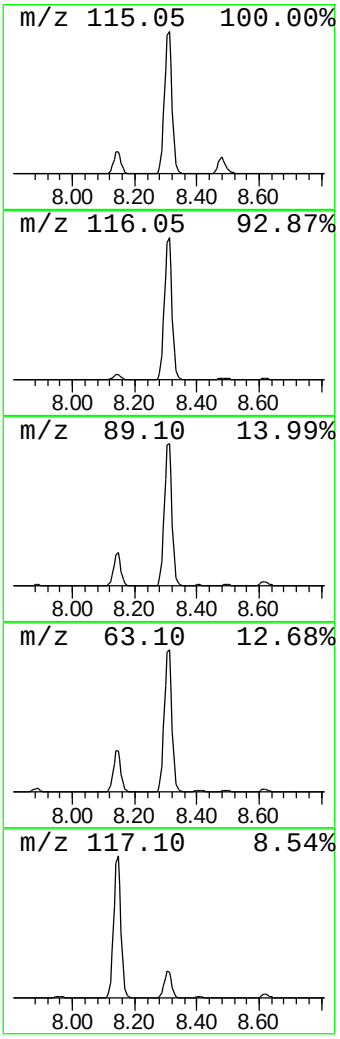
Peak Number 7 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.31	76.64 ng/ul	2394920	1,4-Dichlorobenzene-d4	7.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	95
3	Indene	116	C9H8	000095-13-6	94
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
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Sample : H2813-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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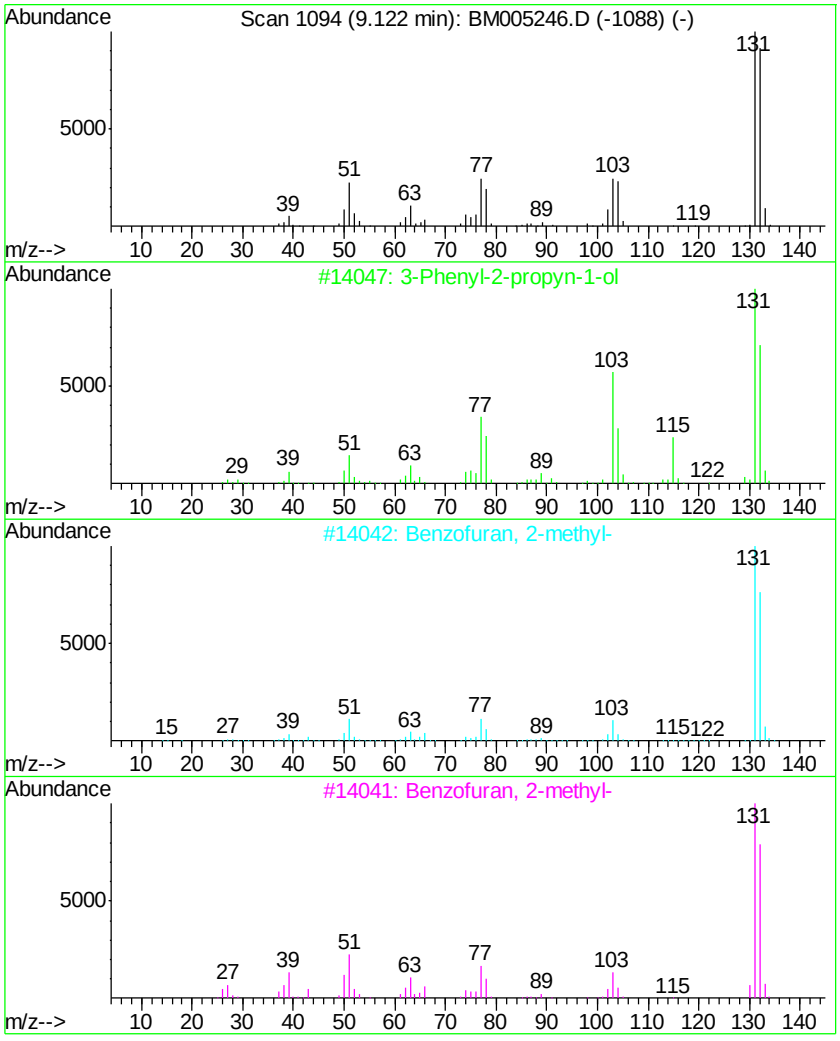
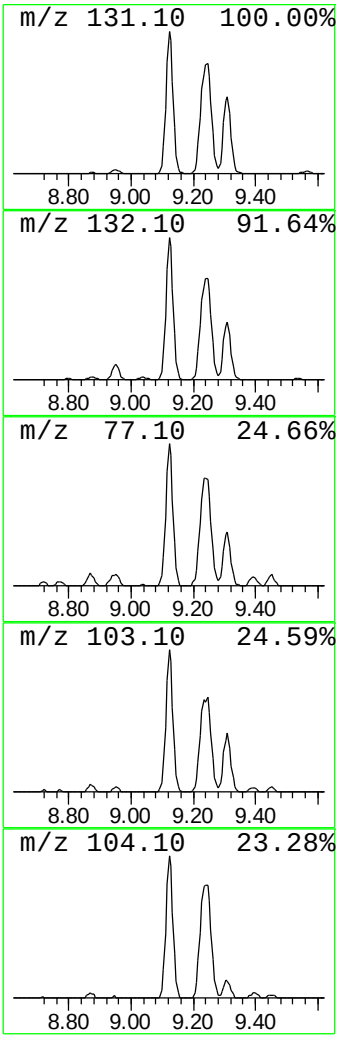
Peak Number 8 3-Phenyl-2-propyn-1-ol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.12	22.61 ng/ul	706465	1,4-Dichlorobenzene-d4	7.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
5	1H-Indenol	132	C9H8O	056631-57-3	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005246.D
Acq On : 05 May 2016 22:04
Operator : UM/SJ
Sample : H2813-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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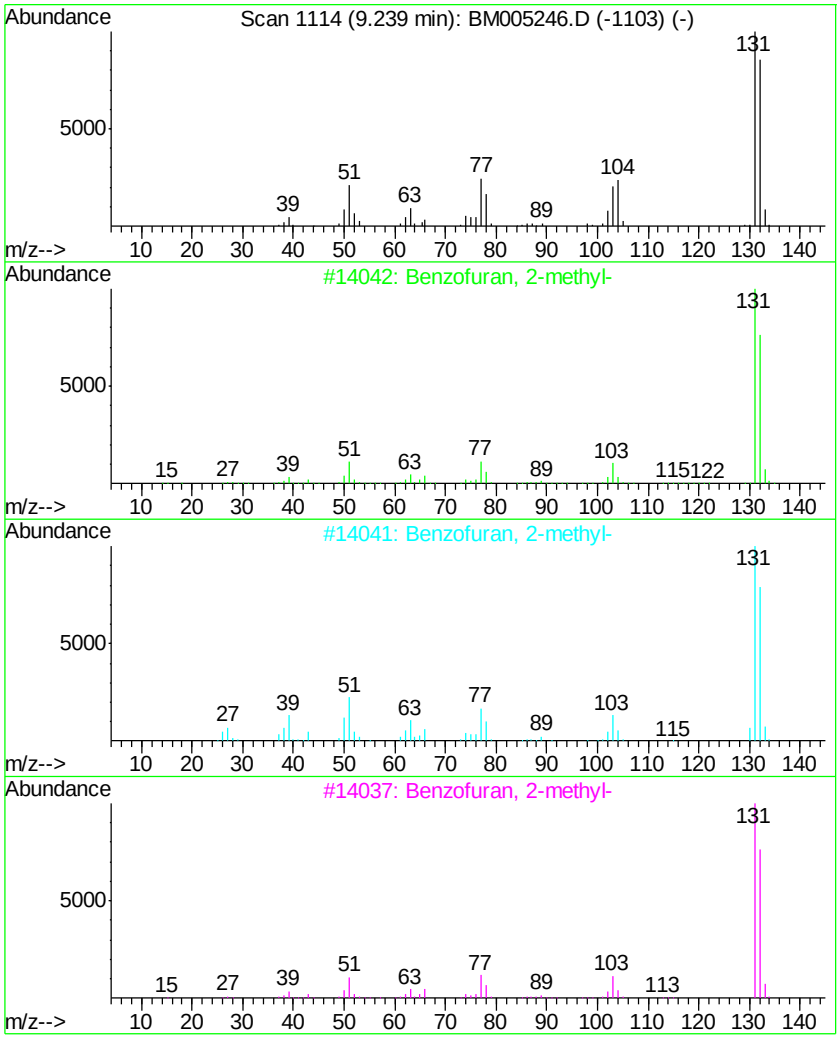
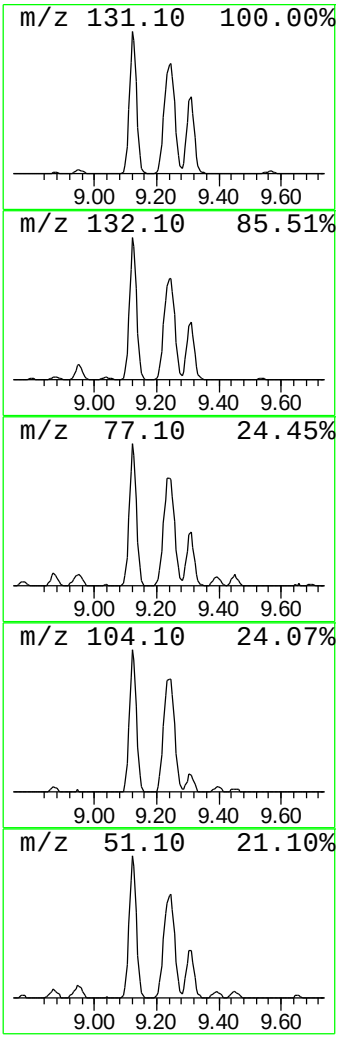
Peak Number 9 Benzofuran, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	18.80 ng/ul	788645	Naphthalene-d8	10.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	90
5	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005246.D
Acq On : 05 May 2016 22:04
Operator : UM/SJ
Sample : H2813-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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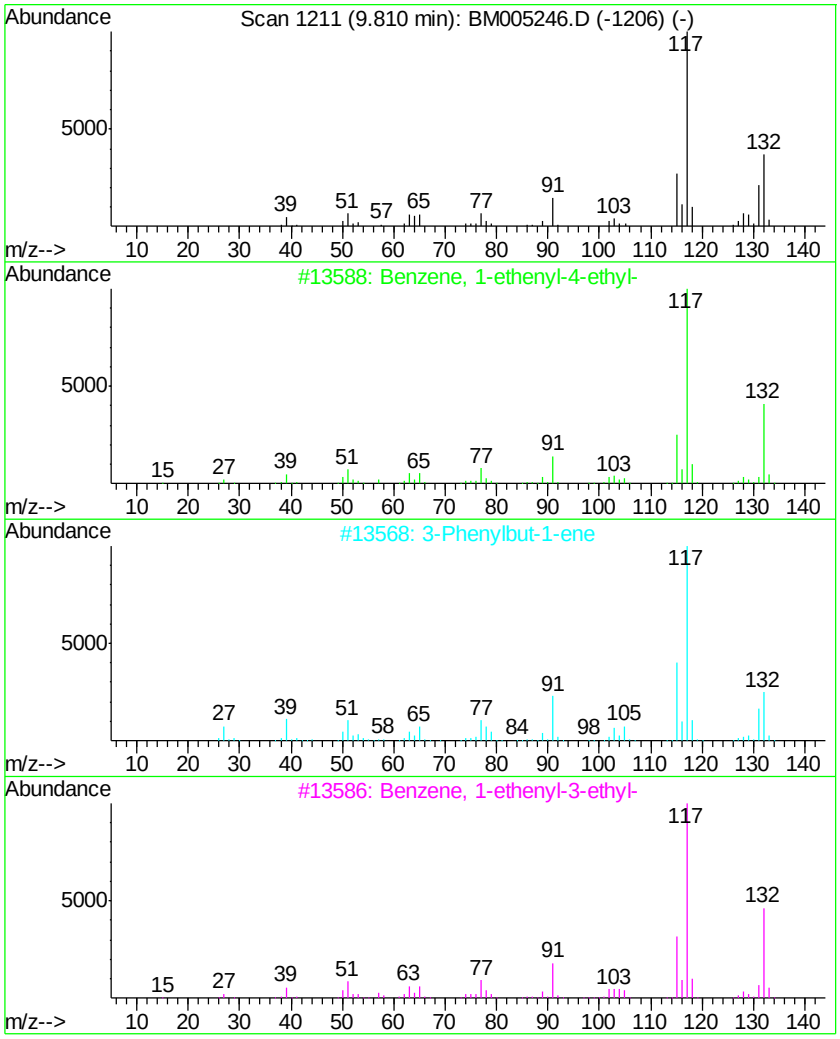
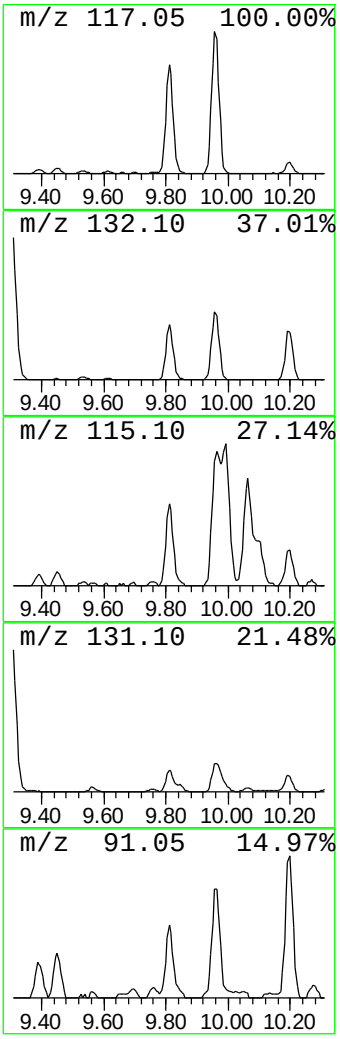
Peak Number 11 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.81	5.58 ng/ul	234027	Naphthalene-d8	10.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
4	Indan, 1-methyl-	132	C10H12	000767-58-8	87
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	87





Library Search Compound Report

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Acq On : 05 May 2016 22:04
Operator : UM/SJ
Sample : H2813-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P3

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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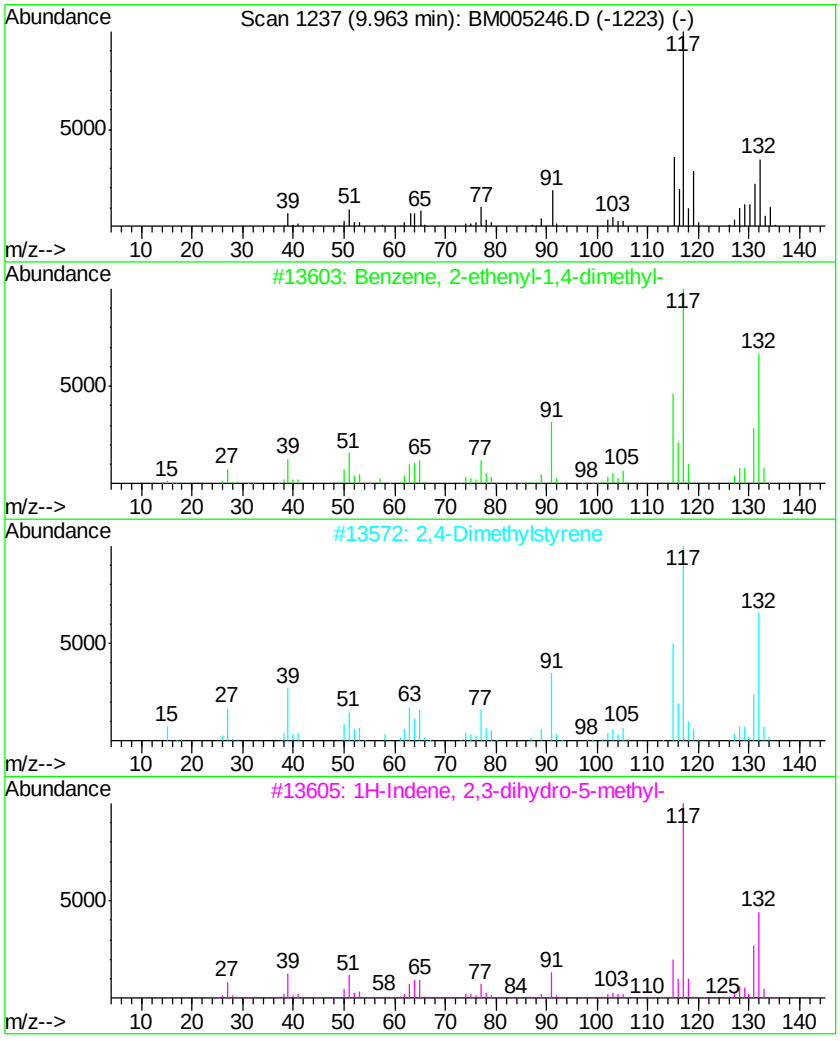
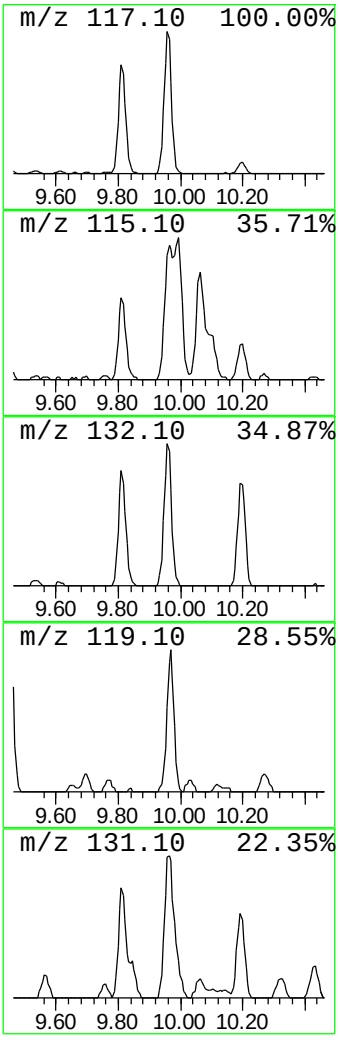
Peak Number 12 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.96	13.84 ng/ul	580821	Naphthalene-d8	10.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	70
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	64
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	60
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	58





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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P3

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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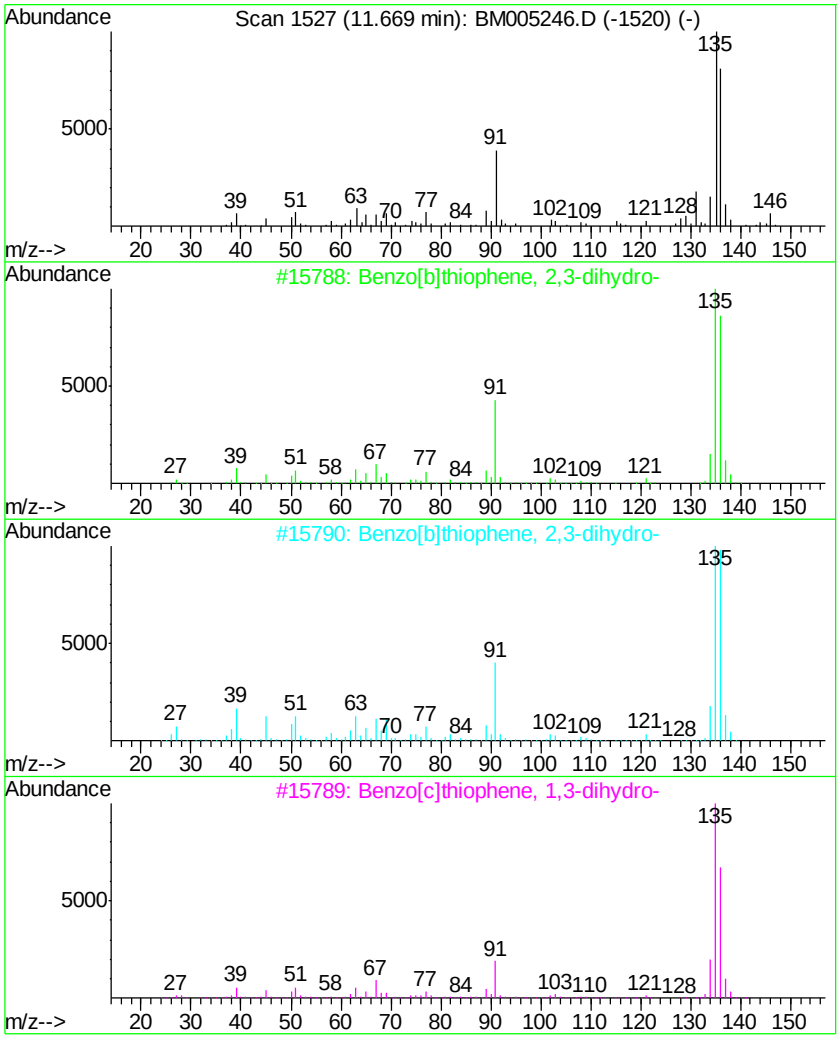
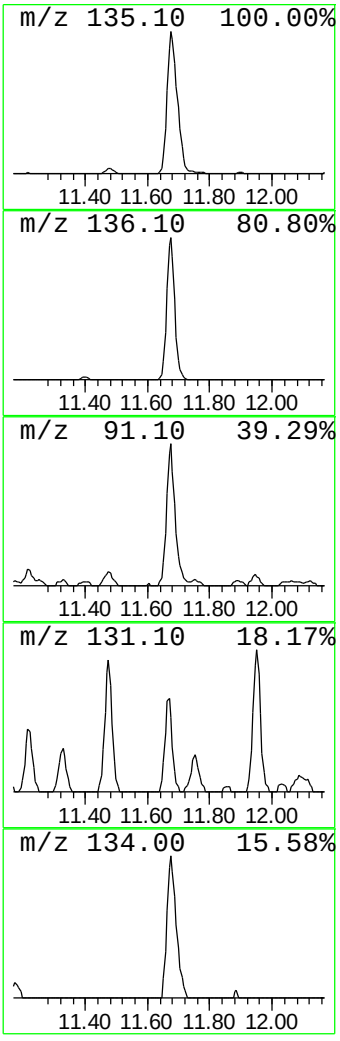
Peak Number 13 Benzo[b]thiophene, 2,3-dihy... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	9.06 ng/ul	380304	Naphthalene-d8	10.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2,3-dihydro-	136	C8H8S	004565-32-6	93
2	Benzo[b]thiophene, 2,3-dihydro-	136	C8H8S	004565-32-6	90
3	Benzo[c]thiophene, 1,3-dihydro-	136	C8H8S	002471-92-3	87
4	Benzene, (ethenylthio)-	136	C8H8S	001822-73-7	83
5	Benzene, (ethenylthio)-	136	C8H8S	001822-73-7	83





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Operator : UM/SJ
Sample : H2813-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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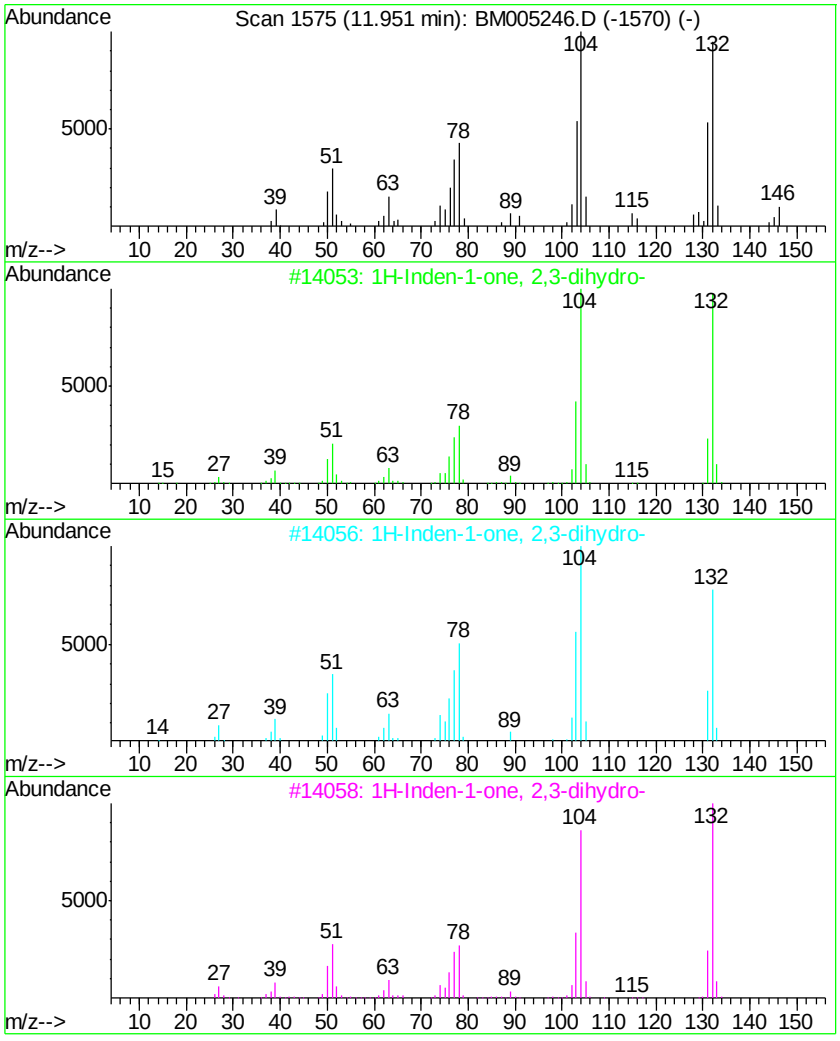
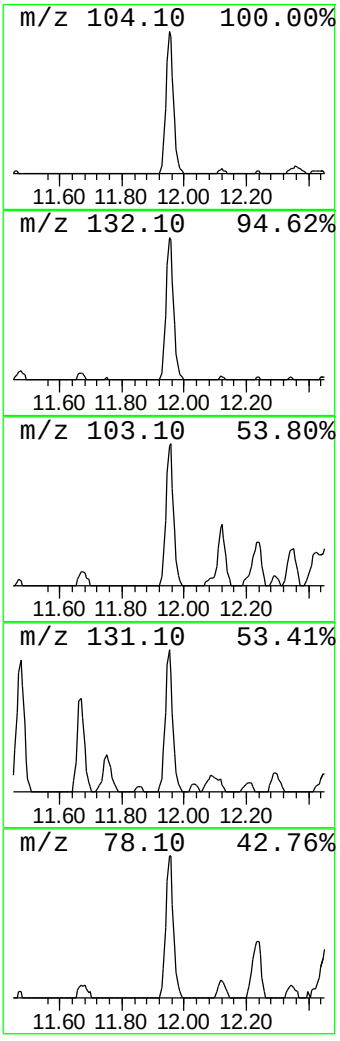
Peak Number 14 1H-Inden-1-one, 2,3-dihydro- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	4.72 ng/ul	198062	Naphthalene-d8	10.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	96
2	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	95
3	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	94
4	5-Aminoindole	132	C8H8N2	005192-03-0	87
5	Benzene, (2-propynyloxy)-	132	C9H8O	013610-02-1	81





Library Search Compound Report

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Sample : H2813-04
Misc :
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Instrument : BNA_M
ClientSampleId : BC7P3

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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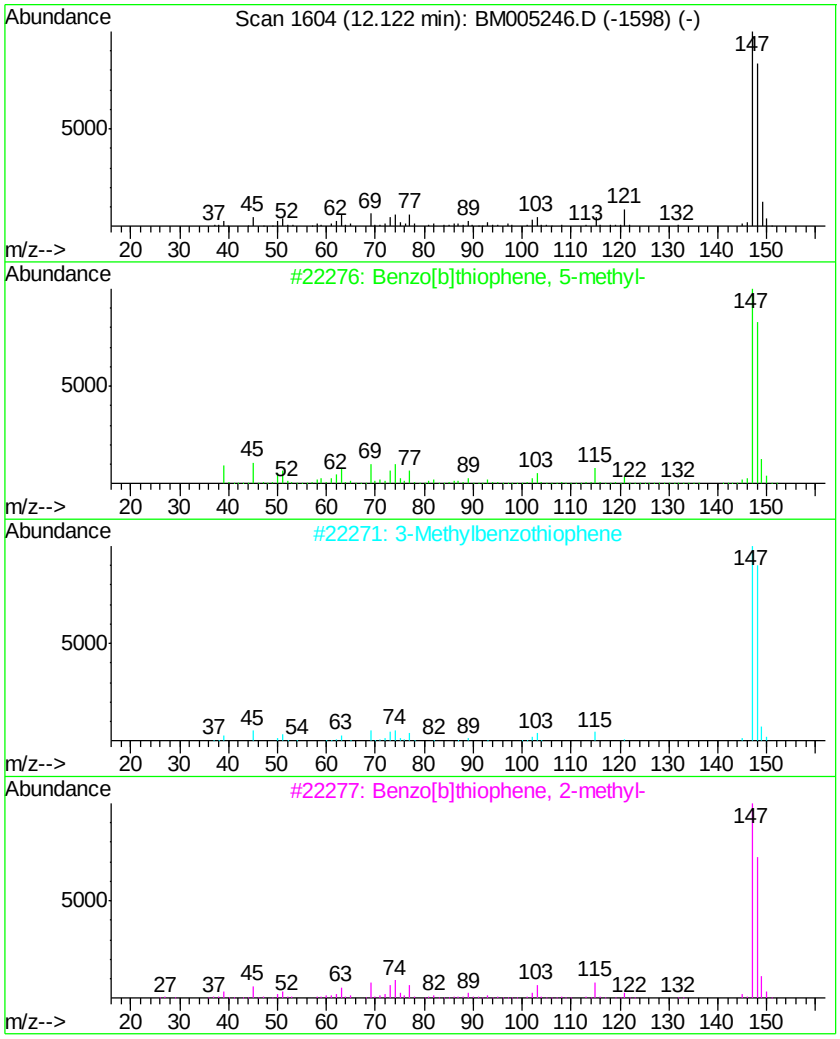
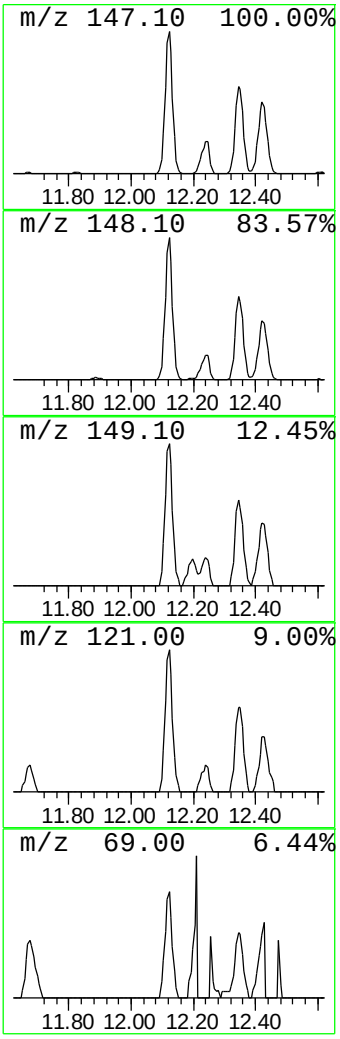
Peak Number 15 Benzo[b]thiophene, 5-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	10.33 ng/ul	433511	Naphthalene-d8	10.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	91
2	3-Methylbenzothiophene	148	C9H8S	001455-18-1	91
3	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
4	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	91
5	3-Methylbenzothiophene	148	C9H8S	001455-18-1	90





Library Search Compound Report

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Data File : BM005246.D
Acq On : 05 May 2016 22:04
Operator : UM/SJ
Sample : H2813-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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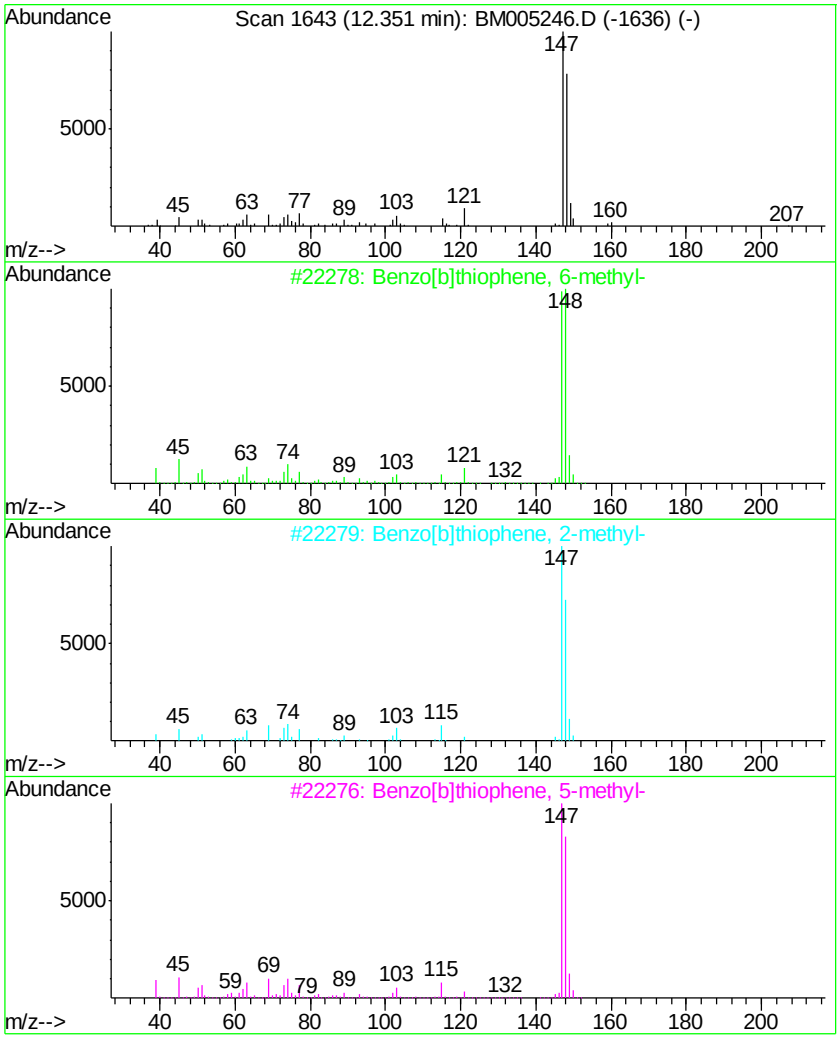
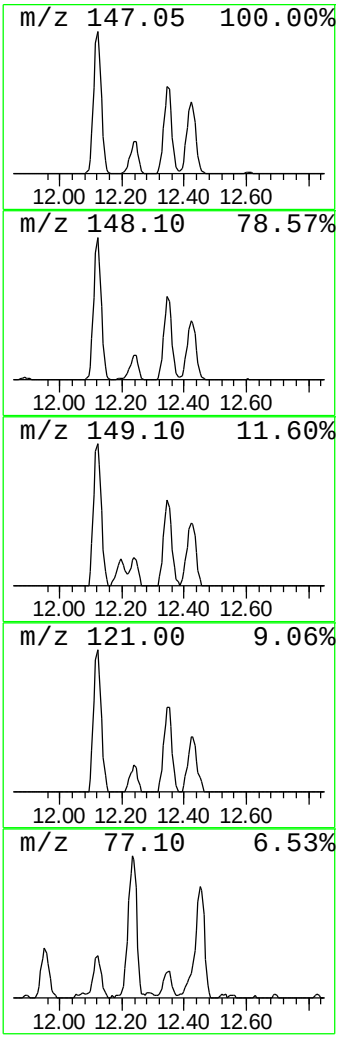
Peak Number 16 Benzo[b]thiophene, 6-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	6.48 ng/ul	272053	Naphthalene-d8	10.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	94
2	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
3	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	91
4	3-Methylbenzothiophene	148	C9H8S	001455-18-1	91
5	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	91





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Operator : UM/SJ
Sample : H2813-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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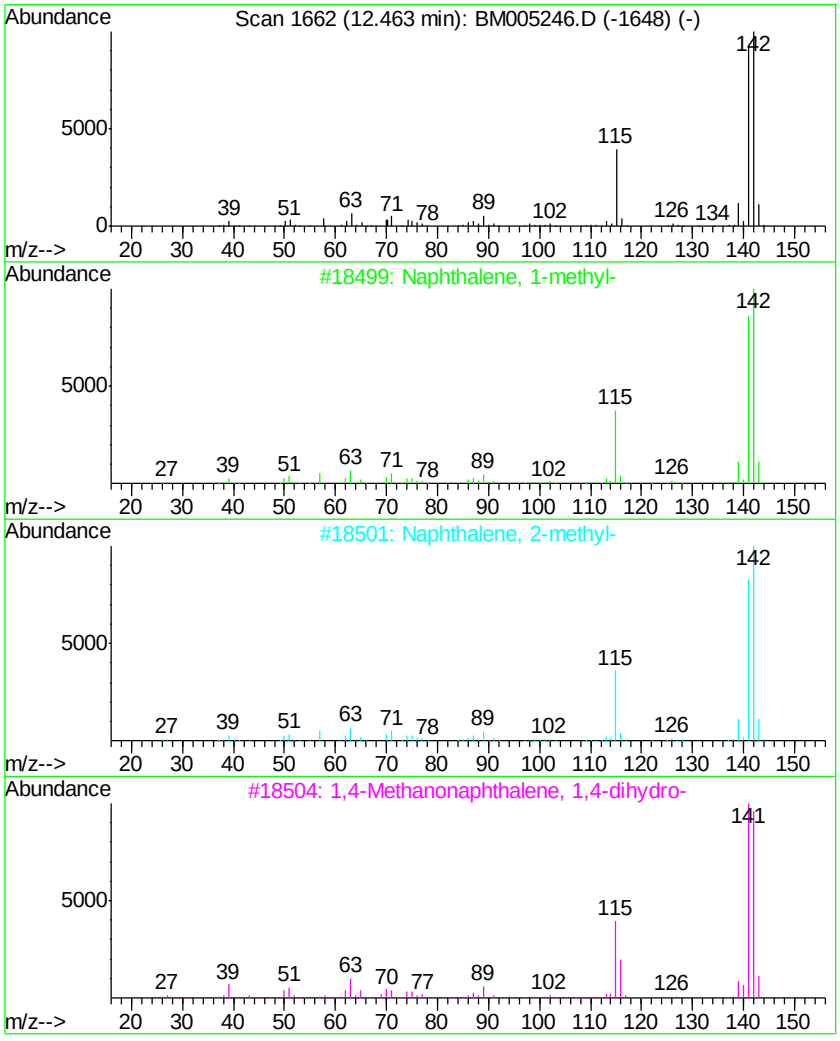
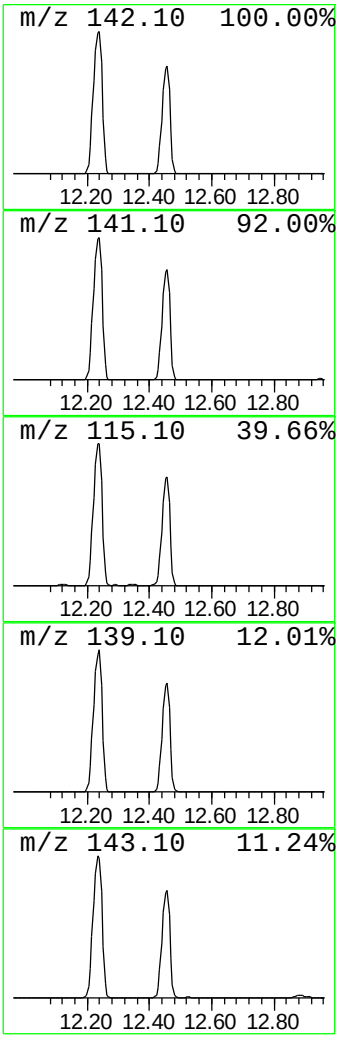
Peak Number 17 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	125.25 ng/ul	5254910	Naphthalene-d8	10.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Library Search Compound Report

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Acq On : 05 May 2016 22:04
Operator : UM/SJ
Sample : H2813-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P3

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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Peak Number 18 Naphthalene, 1-ethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	8.29 ng/ul	788278	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
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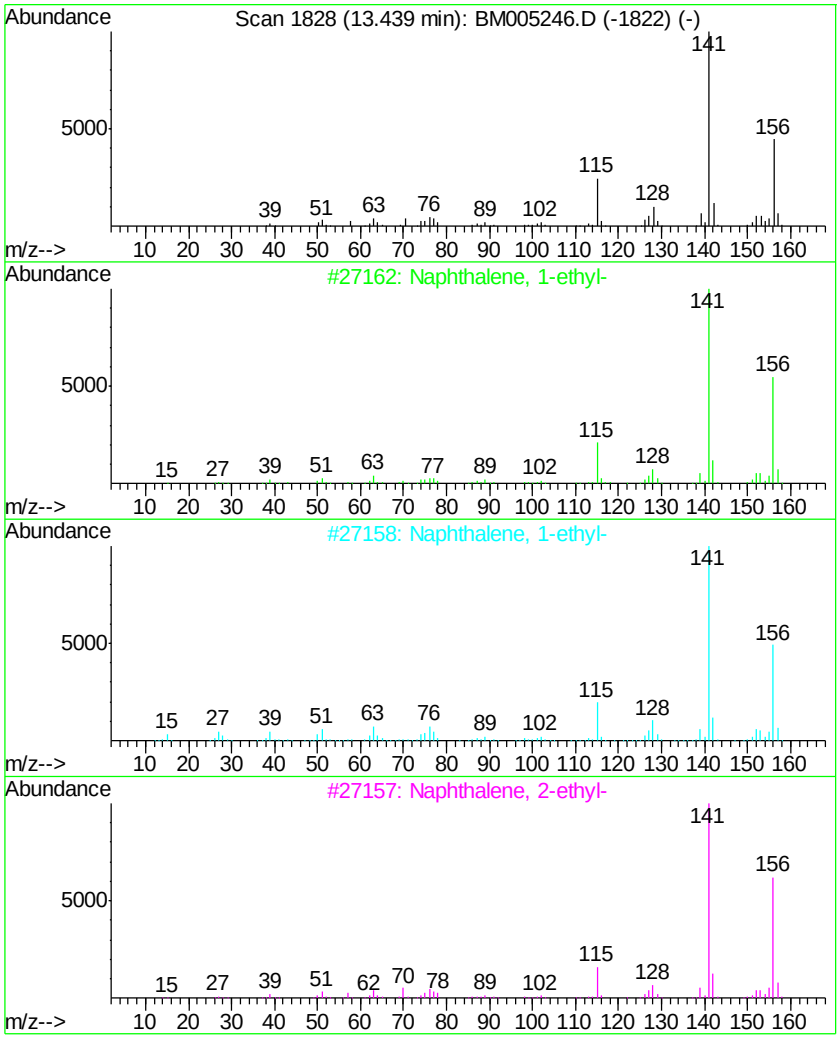

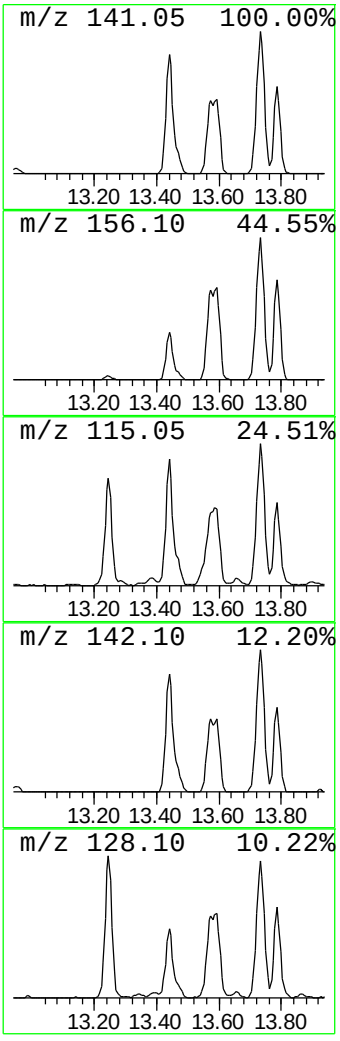

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Acq On : 05 May 2016 22:04
Operator : UM/SJ
Sample : H2813-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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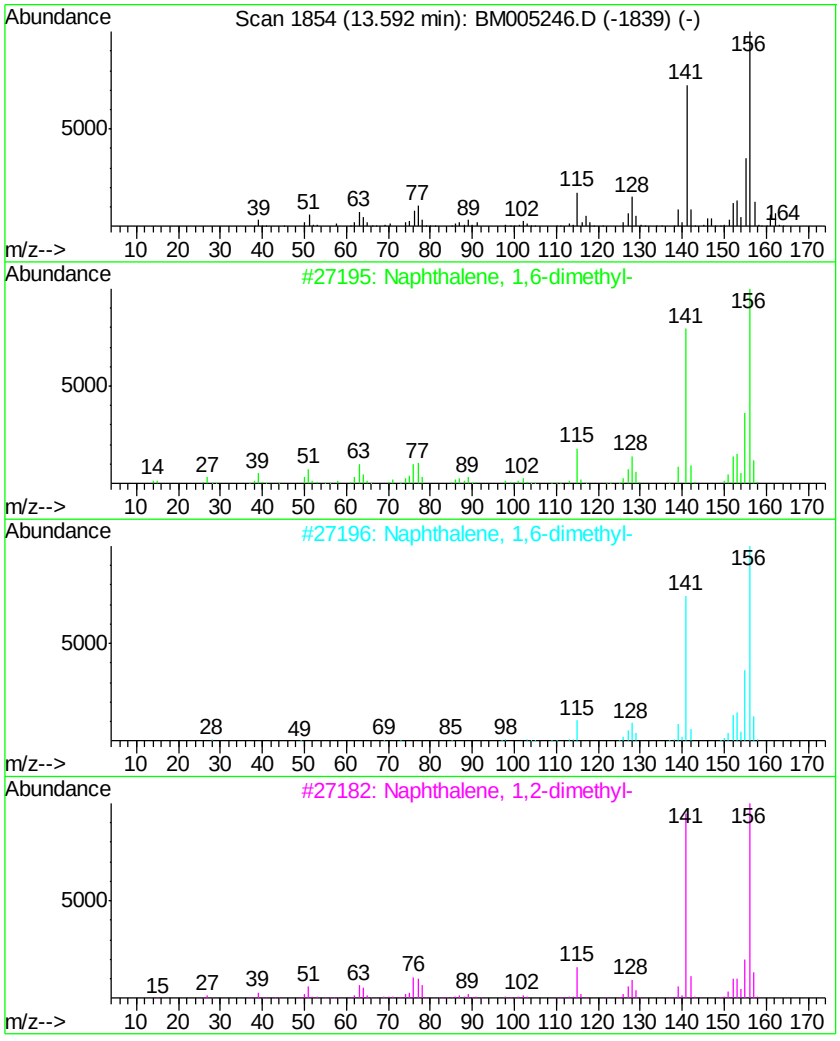
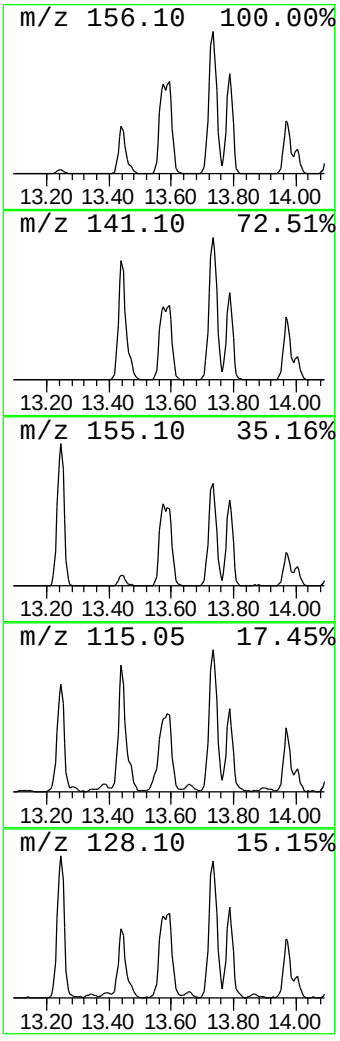
Peak Number 19 Naphthalene, 1,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.59	15.53 ng/ul	1476430	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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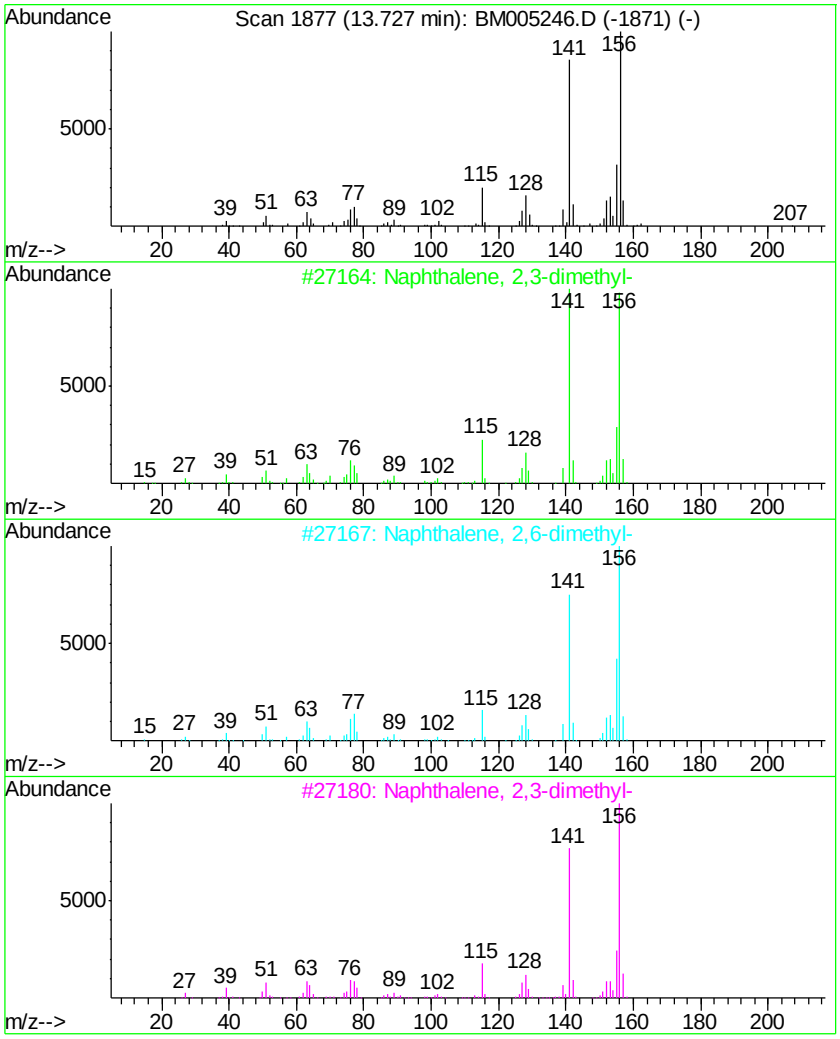
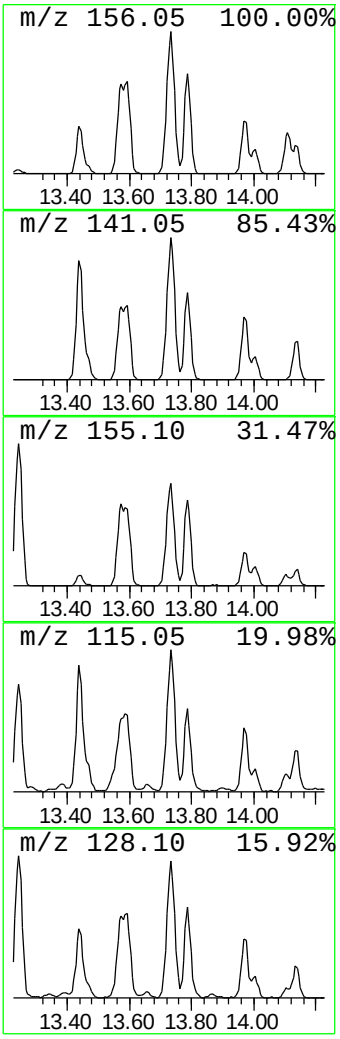
Peak Number 20 Naphthalene, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	15.18 ng/ul	1443020	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





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Sample : H2813-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

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ClientSampleId : BC7P3

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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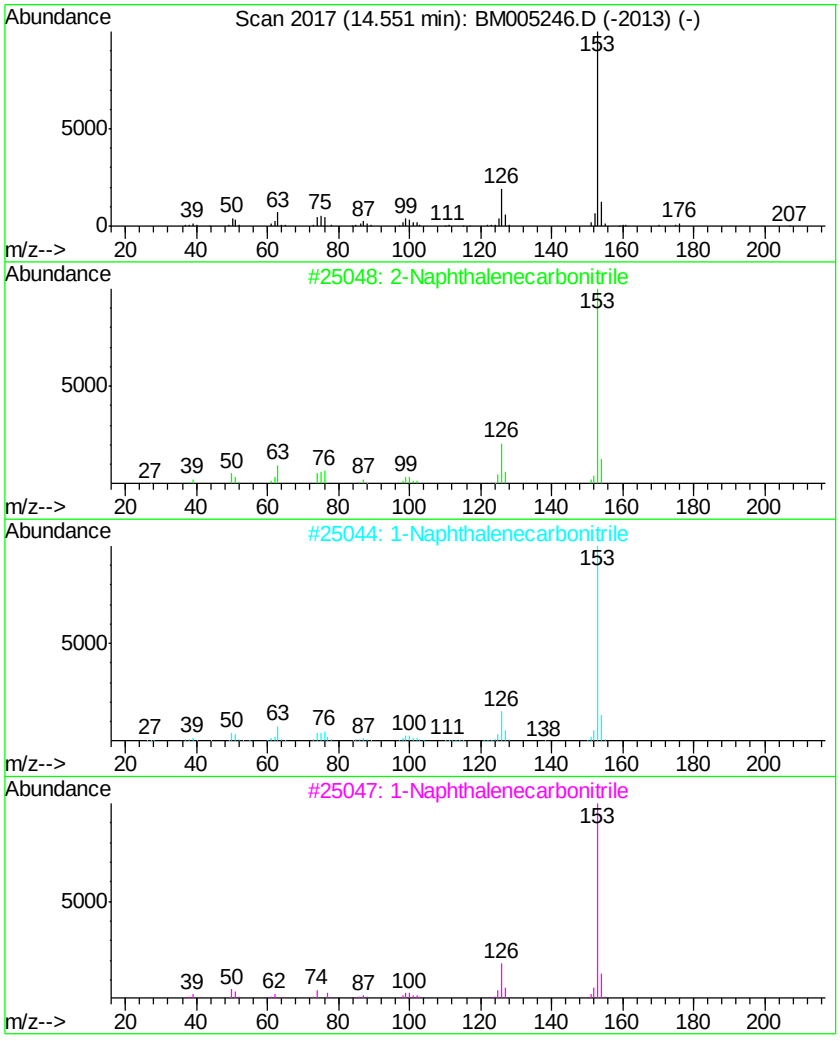
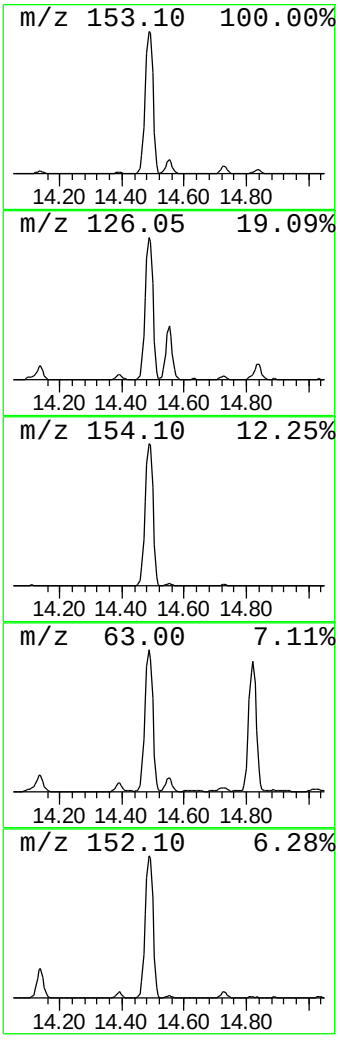
Peak Number 22 2-Naphthalenecarbonitrile Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	3.29 ng/ul	312513	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	97
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	97
3	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	95
4	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	94
5	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91





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Acq On : 05 May 2016 22:04
Operator : UM/SJ
Sample : H2813-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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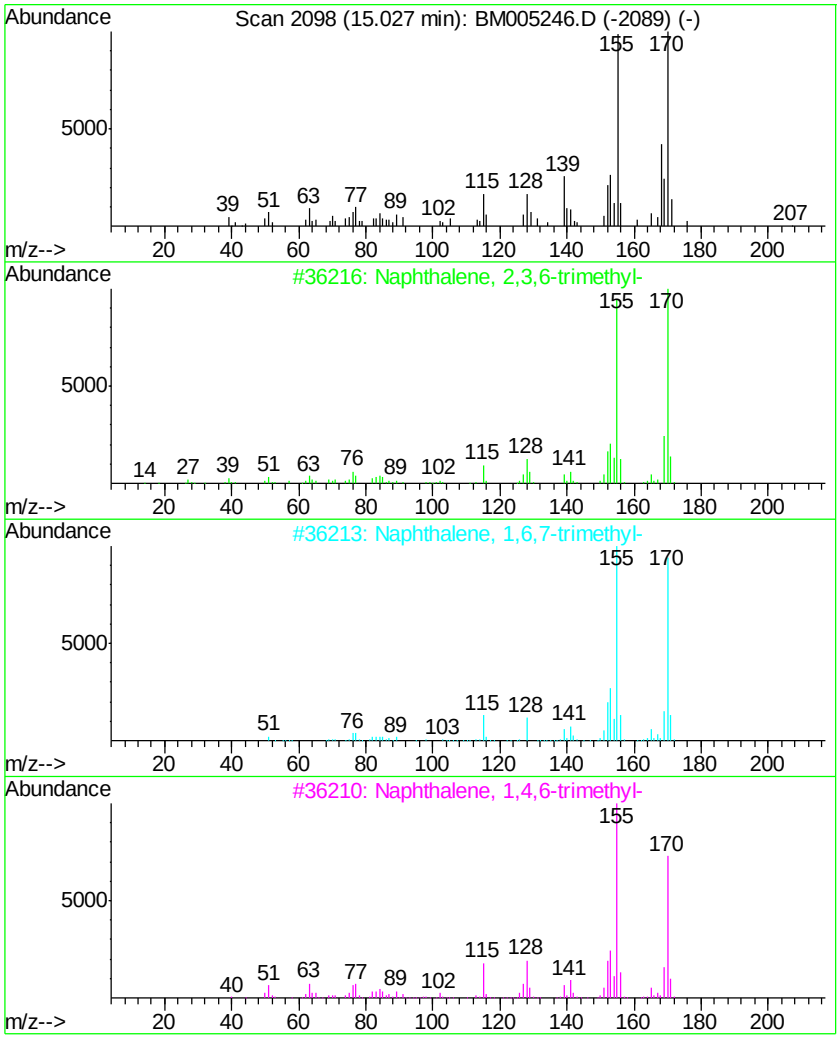
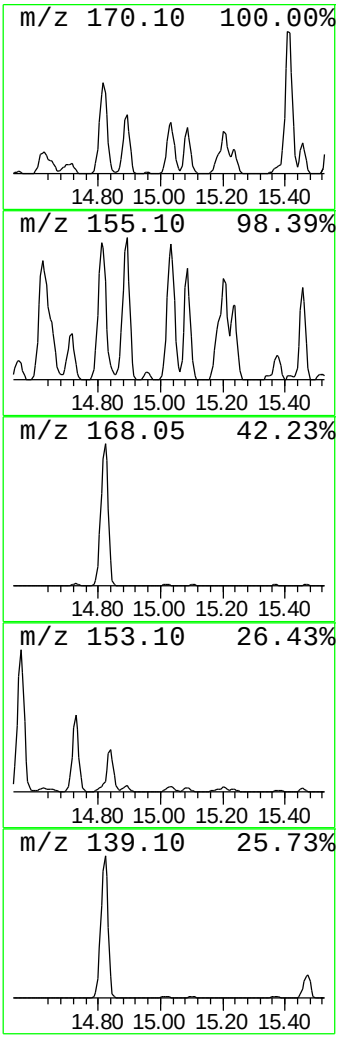
Peak Number 24 Naphthalene, 2,3,6-trimethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	2.05 ng/ul	194756	Acenaphthene-d10	14.42

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





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Data File : BM005246.D
Acq On : 05 May 2016 22:04
Operator : UM/SJ
Sample : H2813-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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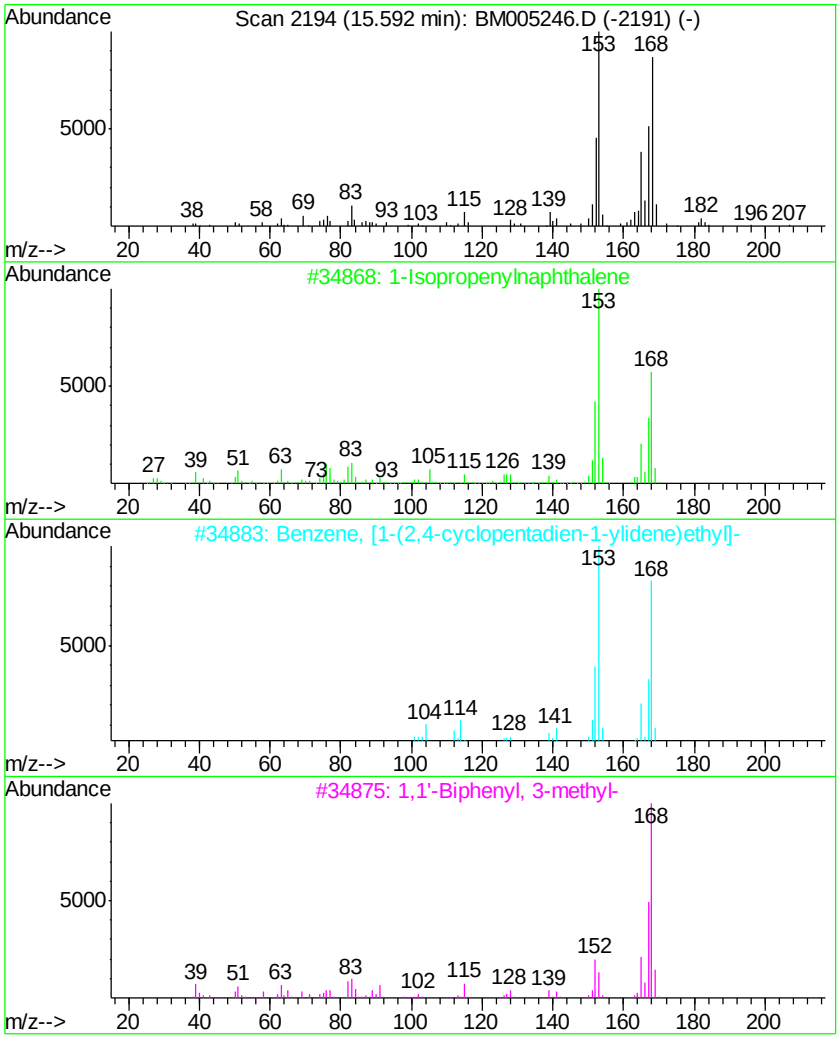
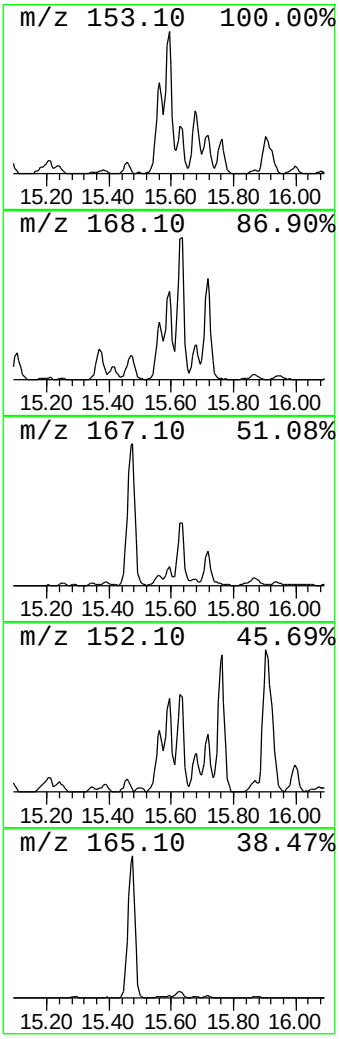
Peak Number 25 1-Isopropenylnaphthalene Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.59	3.27 ng/ul	310394	Acenaphthene-d10	14.42

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	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	64
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	50
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005246.D
Acq On : 05 May 2016 22:04
Operator : UM/SJ
Sample : H2813-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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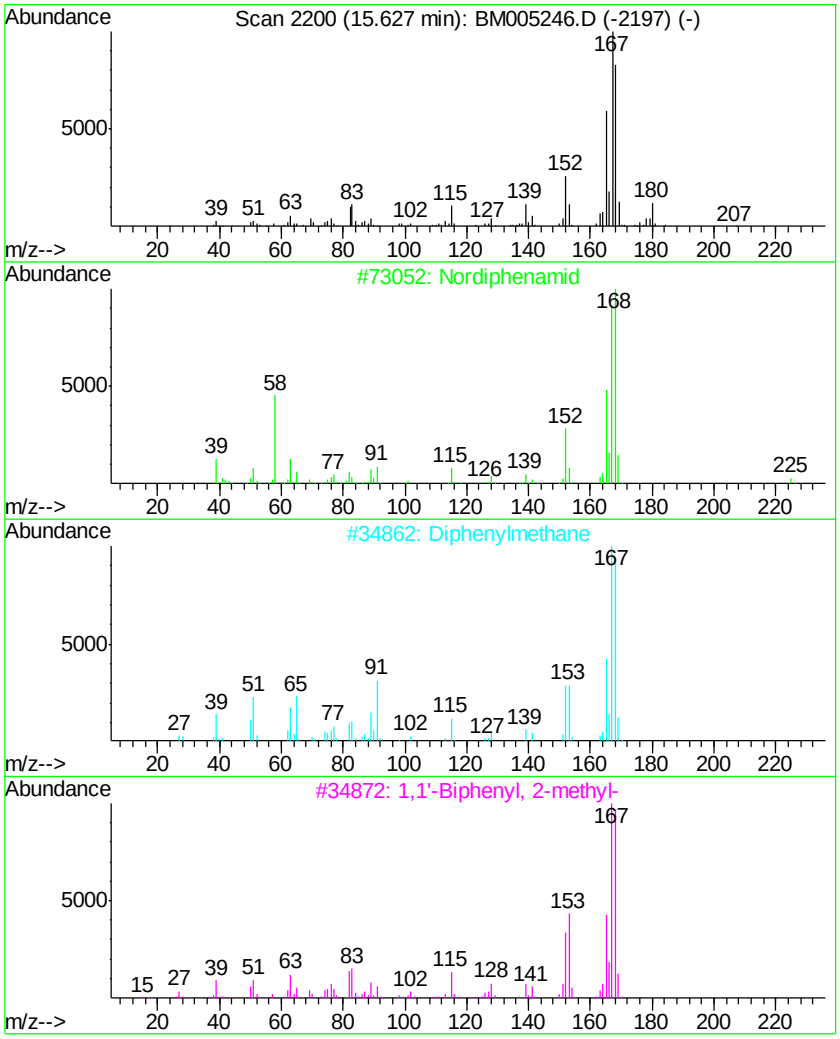
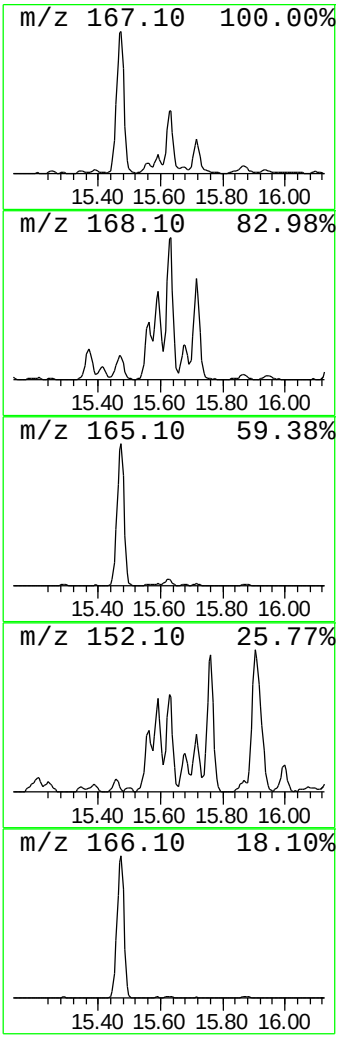
Peak Number 26 Nordiphenamid Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.63	5.02 ng/ul	477589	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	78
2	Diphenylmethane	168	C13H12	000101-81-5	68
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	68
4	Diphenylmethane	168	C13H12	000101-81-5	68
5	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	62





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005246.D
Acq On : 05 May 2016 22:04
Operator : UM/SJ
Sample : H2813-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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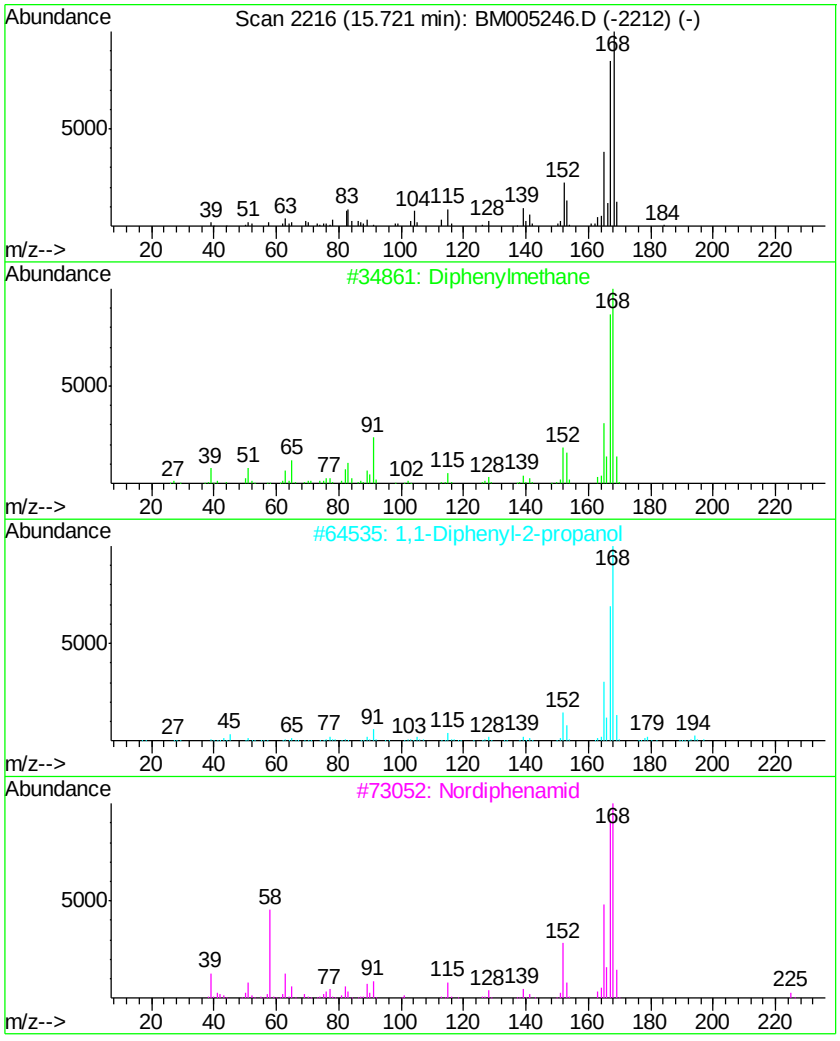
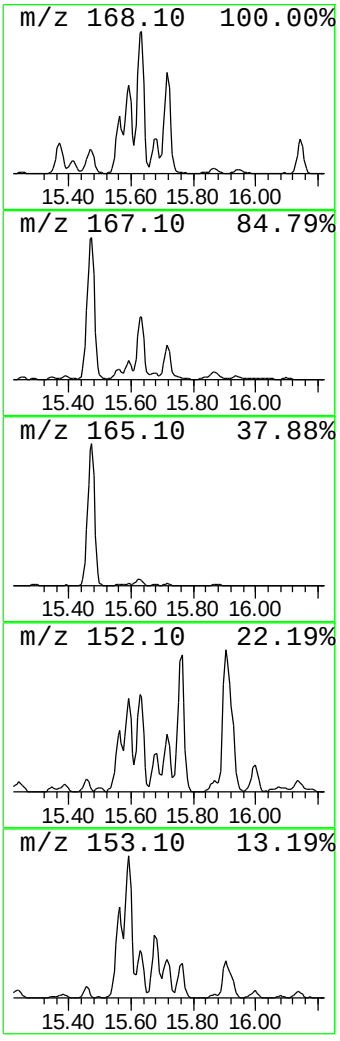
Peak Number 27 Diphenylmethane Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	2.28 ng/ul	216466	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	87
2	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	83
3	Nordiphenamid	225	C15H15NO	000954-21-2	83
4	Diphenylmethane	168	C13H12	000101-81-5	81
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	76





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005246.D
Acq On : 05 May 2016 22:04
Operator : UM/SJ
Sample : H2813-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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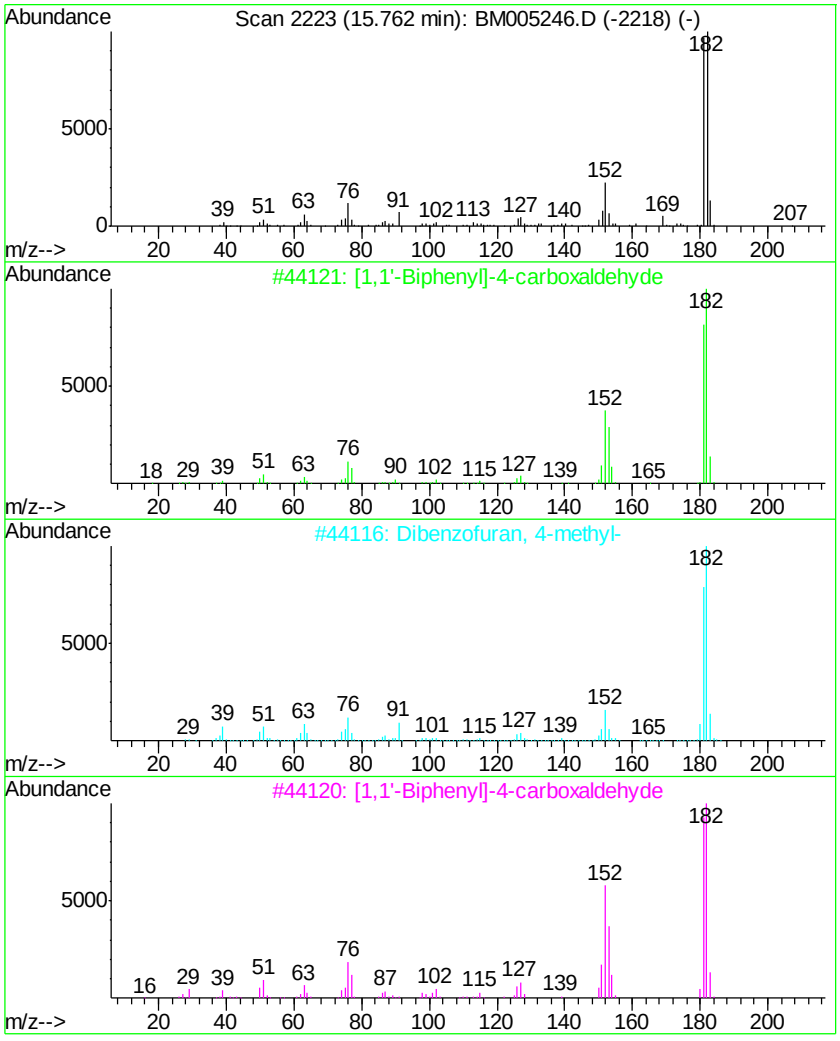
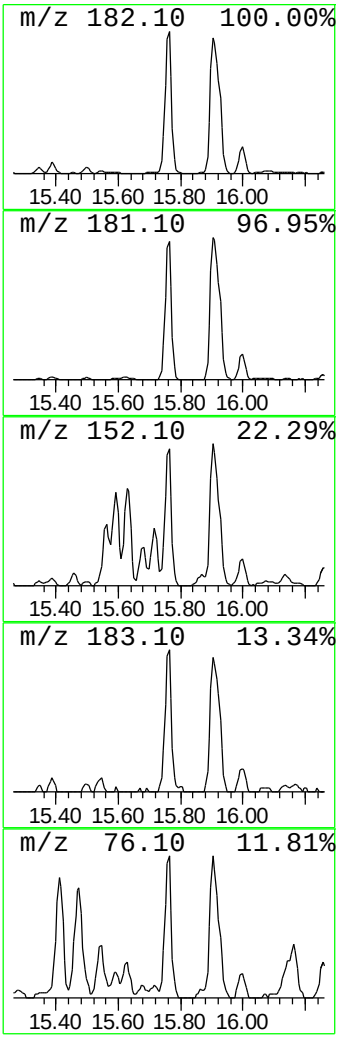
Peak Number 28 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	6.44 ng/ul	611620	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005246.D
Acq On : 05 May 2016 22:04
Operator : UM/SJ
Sample : H2813-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1,2,3-tr...	7.00	5.5	ng/ul	172662	1	7.77	624944	20.0
Benzofuran	7.50	12.3	ng/ul	383069	1	7.77	624944	20.0
Indane	8.15	34.7	ng/ul	1084020	1	7.77	624944	20.0
Indene	8.31	76.6	ng/ul	2394920	1	7.77	624944	20.0
3-Phenyl-2-propyn...	9.12	22.6	ng/ul	706465	1	7.77	624944	20.0
Benzofuran, 2-met...	9.24	18.8	ng/ul	788645	2	10.57	839093	20.0
Benzene, 1-etheny...	9.81	5.6	ng/ul	234027	2	10.57	839093	20.0
Benzene, 2-etheny...	9.96	13.8	ng/ul	580821	2	10.57	839093	20.0
Benzo[b]thiophene...	11.67	9.1	ng/ul	380304	2	10.57	839093	20.0
1H-Inden-1-one, 2...	11.95	4.7	ng/ul	198062	2	10.57	839093	20.0
Benzo[b]thiophene...	12.12	10.3	ng/ul	433511	2	10.57	839093	20.0
Benzo[b]thiophene...	12.35	6.5	ng/ul	272053	2	10.57	839093	20.0
Naphthalene, 1-me...	12.46	125.3	ng/ul	5254910	2	10.57	839093	20.0
Naphthalene, 1-et...	13.44	8.3	ng/ul	788278	3	14.42	1900890	20.0
Naphthalene, 1,6-...	13.59	15.5	ng/ul	1476430	3	14.42	1900890	20.0
Naphthalene, 2,3-...	13.73	15.2	ng/ul	1443020	3	14.42	1900890	20.0
2-Naphthalenecarb...	14.55	3.3	ng/ul	312513	3	14.42	1900890	20.0
Naphthalene, 2,3,...	15.03	2.0	ng/ul	194756	3	14.42	1900890	20.0
1-Isopropenylnaph...	15.59	3.3	ng/ul	310394	3	14.42	1900890	20.0
Nordiphenamid	15.63	5.0	ng/ul	477589	3	14.42	1900890	20.0
Diphenylmethane	15.72	2.3	ng/ul	216466	3	14.42	1900890	20.0
[1,1'-Biphenyl]-4...	15.76	6.4	ng/ul	611620	3	14.42	1900890	20.0