LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080916\
Data File : BG023586.D
Acq On : 10 Aug 2016 10:05
Operator : UM/SJ
Sample : H2567-15RE
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7Z1RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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_G\METHODS\SOM02.2-EPA-BG080416.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	5.582	462	467	475	rVB	330499	535214	0.53%	0.140%
2	5.717	483	490	503	rVB	527446	1145113	1.13%	0.300%
3	6.093	546	554	561	rBV	411116	703392	0.70%	0.184%
4	7.179	733	739	744	rBV	252877	422954	0.42%	0.111%
5	7.268	744	754	758	rVV2	256909	662348	0.66%	0.173%
6	7.320	758	763	771	rVV	272844	472385	0.47%	0.124%
7	7.426	774	781	788	rBV	687338	1156553	1.15%	0.303%
8	7.638	810	817	827	rBV	666483	1215842	1.20%	0.318%
9	7.749	829	836	844	rVV	942344	1587982	1.57%	0.416%
10	7.831	844	850	862	rVB	690580	1208515	1.20%	0.316%
11	8.113	891	898	911	rBV	573391	1050018	1.04%	0.275%
12	8.225	911	917	924	rVV	327780	590464	0.59%	0.155%
13	8.489	954	962	970	rBV	4078222	7279343	7.21%	1.905%
14	8.660	983	991	1001	rVB	6071473	11213191	11.11%	2.935%
15	8.824	1013	1019	1026	rBV2	607215	1129196	1.12%	0.296%
16	9.294	1092	1099	1109	rVV2	960754	1933290	1.92%	0.506%
17	9.482	1124	1131	1139	rVB	767508	1303510	1.29%	0.341%
18	9.611	1139	1153	1159	rBV	1812605	4150407	4.11%	1.086%
19	9.670	1159	1163	1172	rVV	588232	1004250	1.00%	0.263%
20	10.023	1216	1223	1233	rVB	742966	1380337	1.37%	0.361%
21	10.181	1244	1250	1256	rBV	461533	806053	0.80%	0.211%
22	10.334	1267	1276	1280	rBV2	913985	2077390	2.06%	0.544%
23	10.440	1288	1294	1299	rBV2	728147	1515425	1.50%	0.397%
24	10.581	1311	1318	1326	rBV	1072447	1976245	1.96%	0.517%
25	11.057	1376	1399	1405	rVV	29242273	100921254	100.00%	26.417%
26	11.145	1405	1414	1420	rVV	7836329	14947920	14.81%	3.913%
27	11.362	1446	1451	1459	rVV	269283	533549	0.53%	0.140%
28	12.061	1561	1570	1579	rVV	691168	1389500	1.38%	0.364%
29	12.337	1610	1617	1623	rVB2	292566	515670	0.51%	0.135%
30	12.502	1640	1645	1655	rVB	500246	894063	0.89%	0.234%
31	12.613	1655	1664	1671	rBV	9934418	19421854	19.24%	5.084%
32	12.725	1676	1683	1690	rBV	597959	1150636	1.14%	0.301%
33	12.831	1690	1701	1709	rVB	7779922	14770733	14.64%	3.866%
34	13.242	1765	1771	1781	rVV2	329049	683330	0.68%	0.179%

LSC Area Percent Report

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Acq On : 10 Aug 2016 10:05
Operator : UM/SJ
Sample : H2567-15RE
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7Z1RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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_G\METHODS\SOM02.2-EPA-BG080416.M
Title : SVOA CALIBRATION

35	13.612	1826	1834	1845	rBV	2811457	4566758	4.53%	1.195%
36	13.806	1862	1867	1878	rVB	618137	1304892	1.29%	0.342%
37	13.953	1880	1892	1900	rBV4	1138813	3387894	3.36%	0.887%
38	14.099	1910	1917	1922	rBV	1639073	3140698	3.11%	0.822%
39	14.182	1928	1931	1936	rVB	2187243	2982364	2.96%	0.781%
40	14.334	1952	1957	1961	rBV	657252	1067923	1.06%	0.280%
41	14.481	1974	1982	1984	rBV	2435440	4352534	4.31%	1.139%
42	14.752	2022	2028	2030	rBV	549348	837443	0.83%	0.219%
43	14.787	2030	2034	2039	rVV2	1439268	2331556	2.31%	0.610%
44	14.851	2039	2045	2051	rVV	8025317	13527896	13.40%	3.541%
45	14.916	2051	2056	2063	rVV	2220564	3627842	3.59%	0.950%
46	15.004	2063	2071	2075	rVV5	272434	614187	0.61%	0.161%
47	15.057	2075	2080	2083	rVV	623625	961556	0.95%	0.252%
48	15.186	2095	2102	2110	rVB	6119652	10790394	10.69%	2.825%
49	15.298	2110	2121	2130	rBV	1277227	3271745	3.24%	0.856%
50	15.398	2130	2138	2143	rVB5	226710	572130	0.57%	0.150%
51	15.498	2150	2155	2160	rVB	310566	494843	0.49%	0.130%
52	15.780	2193	2203	2208	rVV	3044408	5247868	5.20%	1.374%
53	15.838	2208	2213	2219	rVV	6340653	10271591	10.18%	2.689%
54	15.903	2219	2224	2230	rVV2	1225575	2143597	2.12%	0.561%
55	15.956	2230	2233	2236	rVV2	462030	741815	0.74%	0.194%
56	15.997	2236	2240	2245	rVV4	577546	1081657	1.07%	0.283%
57	16.050	2245	2249	2252	rVV3	300343	569319	0.56%	0.149%
58	16.085	2252	2255	2258	rVV3	362607	592225	0.59%	0.155%
59	16.126	2258	2262	2273	rVV2	724705	1427564	1.41%	0.374%
60	16.273	2273	2287	2296	rVV4	740493	2153088	2.13%	0.564%
61	16.520	2316	2329	2338	rBV3	2198394	4272587	4.23%	1.118%
62	16.631	2343	2348	2354	rBV3	507931	836336	0.83%	0.219%
63	16.719	2355	2363	2368	rBV	1056155	1803887	1.79%	0.472%
64	16.796	2368	2376	2382	rBV2	1057703	2361960	2.34%	0.618%
65	16.902	2389	2394	2403	rVB5	193569	485919	0.48%	0.127%
66	17.084	2416	2425	2429	rBV2	454616	1014788	1.01%	0.266%
67	17.125	2429	2432	2437	rVB2	325701	475638	0.47%	0.125%
68	17.207	2439	2446	2453	rBV2	515570	1197929	1.19%	0.314%
69	17.330	2460	2467	2469	rBV2	385346	611836	0.61%	0.160%
70	17.366	2469	2473	2478	rVB	742192	1068771	1.06%	0.280%
71	17.430	2478	2484	2485	rBV2	770577	1125948	1.12%	0.295%

LSC Area Percent Report

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Acq On : 10 Aug 2016 10:05
Operator : UM/SJ
Sample : H2567-15RE
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7Z1RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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_G\METHODS\SOM02.2-EPA-BG080416.M
Title : SVOA CALIBRATION

72	17.465	2486	2490	2494	rVB	1034504	1647532	1.63%	0.431%
73	17.548	2499	2504	2507	rBV	1741492	2675143	2.65%	0.700%
74	17.595	2507	2512	2517	rVB	7644159	12180023	12.07%	3.188%
75	17.653	2517	2522	2526	rBV	3224142	5108309	5.06%	1.337%
76	17.747	2535	2538	2548	rVB3	440198	895566	0.89%	0.234%
77	17.965	2561	2575	2580	rBV	7456985	14475655	14.34%	3.789%
78	18.012	2580	2583	2586	rVV2	526213	877368	0.87%	0.230%
79	18.053	2586	2590	2595	rVV2	865022	1726611	1.71%	0.452%
80	18.118	2595	2601	2610	rVB2	785374	1913944	1.90%	0.501%
81	18.394	2643	2648	2651	rVV2	734294	1231843	1.22%	0.322%
82	18.423	2651	2653	2658	rVV3	588630	979191	0.97%	0.256%
83	18.476	2658	2662	2671	rVV2	1496240	2366684	2.35%	0.620%
84	18.552	2671	2675	2682	rVB2	484986	792643	0.79%	0.207%
85	18.629	2682	2688	2692	rBV	938604	1514763	1.50%	0.397%
86	18.729	2698	2705	2709	rVV2	862287	2029258	2.01%	0.531%
87	18.770	2709	2712	2716	rVV	437502	744010	0.74%	0.195%
88	18.817	2716	2720	2725	rVV2	532680	1052547	1.04%	0.276%
89	18.869	2725	2729	2734	rVV2	448316	821454	0.81%	0.215%
90	19.357	2806	2812	2818	rVB2	555693	990154	0.98%	0.259%
91	19.604	2847	2854	2861	rVB	2066104	2964989	2.94%	0.776%
92	19.698	2866	2870	2876	rBV2	303347	535876	0.53%	0.140%
93	19.939	2905	2911	2915	rBV	4062933	6532055	6.47%	1.710%
94	20.356	2976	2982	2987	rBV3	667690	1383659	1.37%	0.362%
95	20.432	2987	2995	3006	rVB	2375886	4497704	4.46%	1.177%
96	20.949	3078	3083	3093	rVB	423406	800442	0.79%	0.210%
97	21.078	3101	3105	3112	rVB3	404606	722930	0.72%	0.189%
98	21.865	3231	3239	3245	rBV2	1993975	3653757	3.62%	0.956%
99	25.026	3767	3777	3788	rBV2	1655524	4732446	4.69%	1.239%
100	25.261	3806	3817	3829	rBV3	1075635	3115699	3.09%	0.816%

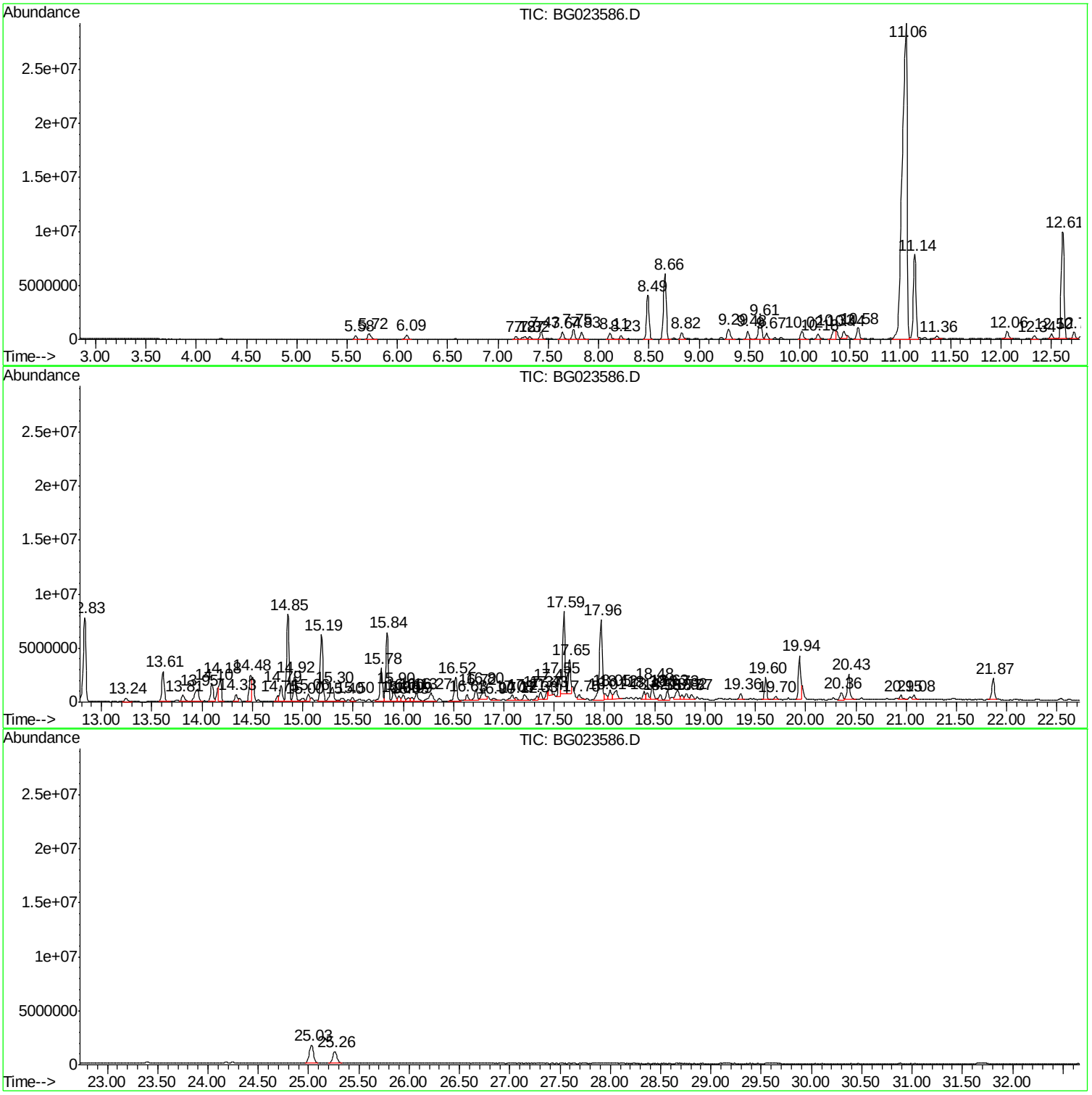
Sum of corrected areas: 382027159

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080916\
Data File : BG023586.D
Acq On : 10 Aug 2016 10:05
Operator : UM/SJ
Sample : H2567-15RE
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BC7Z1RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080916\
Data File : BG023586.D
Acq On : 10 Aug 2016 10:05
Operator : UM/SJ
Sample : H2567-15RE
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7Z1RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

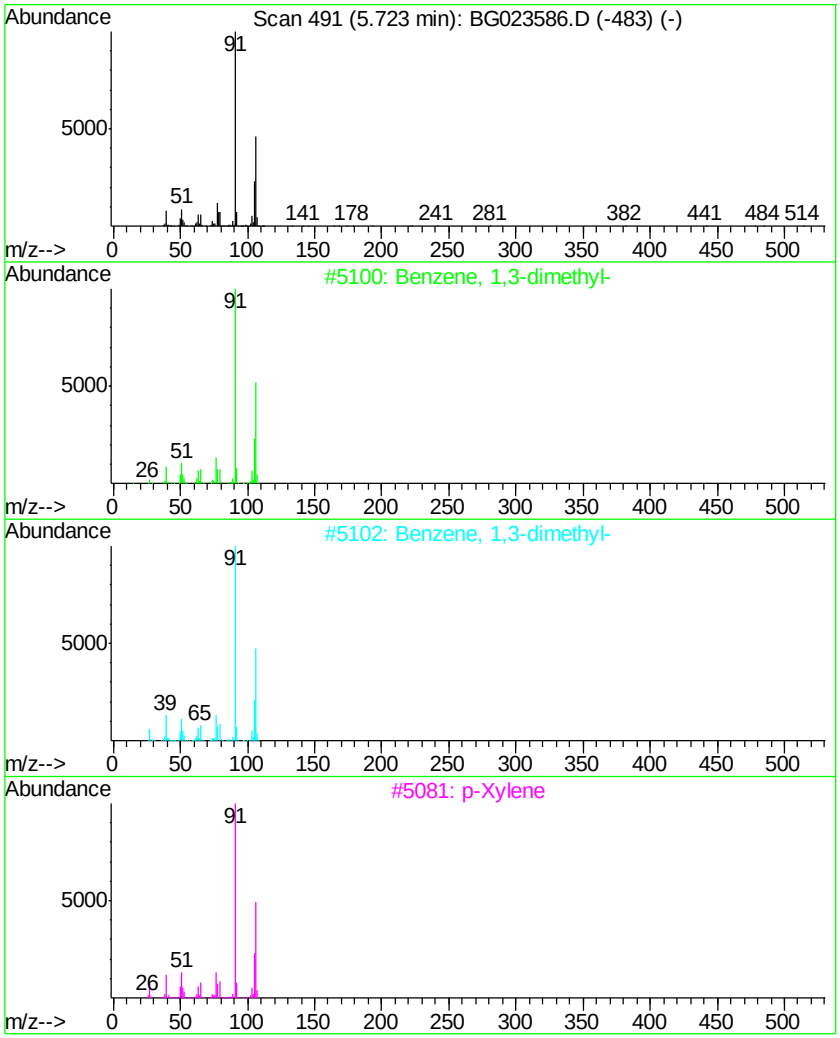
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

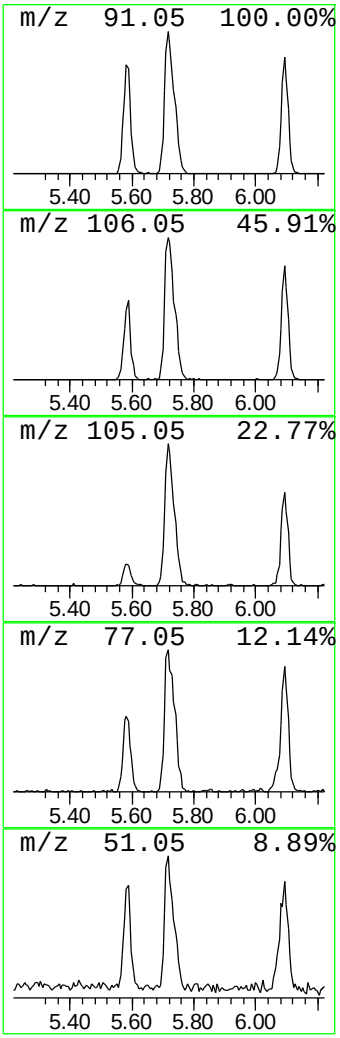
****

Peak Number 2 Benzene, 1,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.72	21.81 ng/ul	1145110	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
3	p-Xylene	106	C8H10	000106-42-3	97
4	o-Xylene	106	C8H10	000095-47-6	97
5	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	95





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080916\
Data File : BG023586.D
Acq On : 10 Aug 2016 10:05
Operator : UM/SJ
Sample : H2567-15RE
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7Z1RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

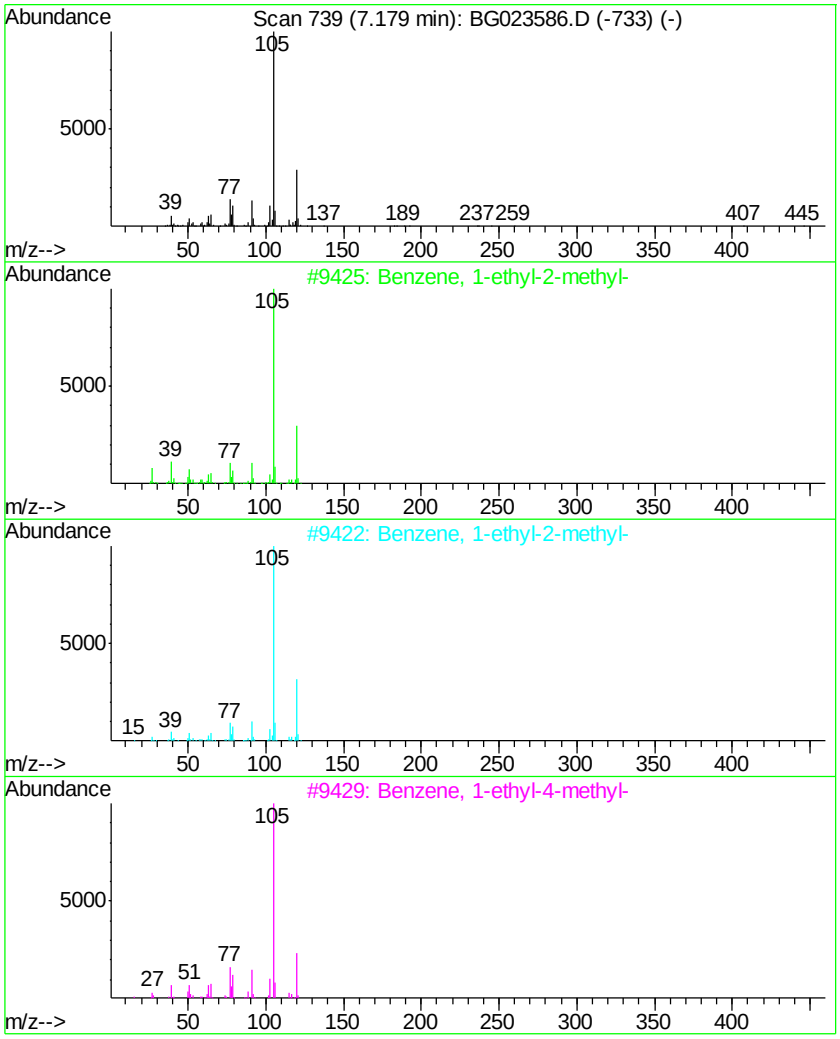
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

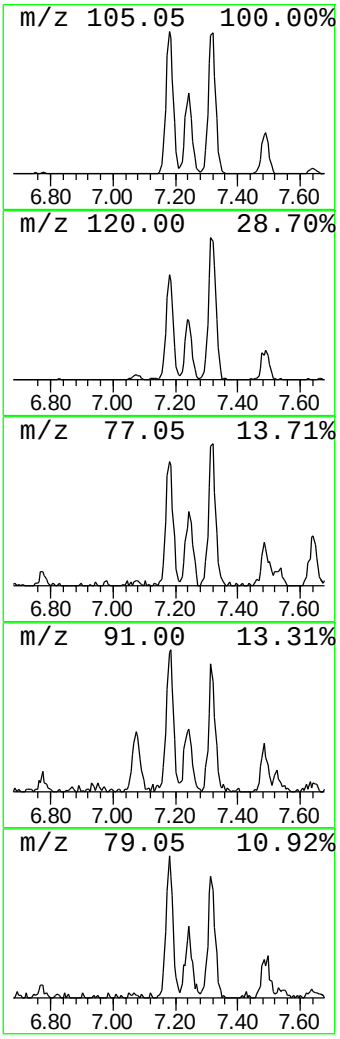
****

Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	8.06 ng/ul	422954	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91





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Sample : H2567-15RE
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ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7Z1RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

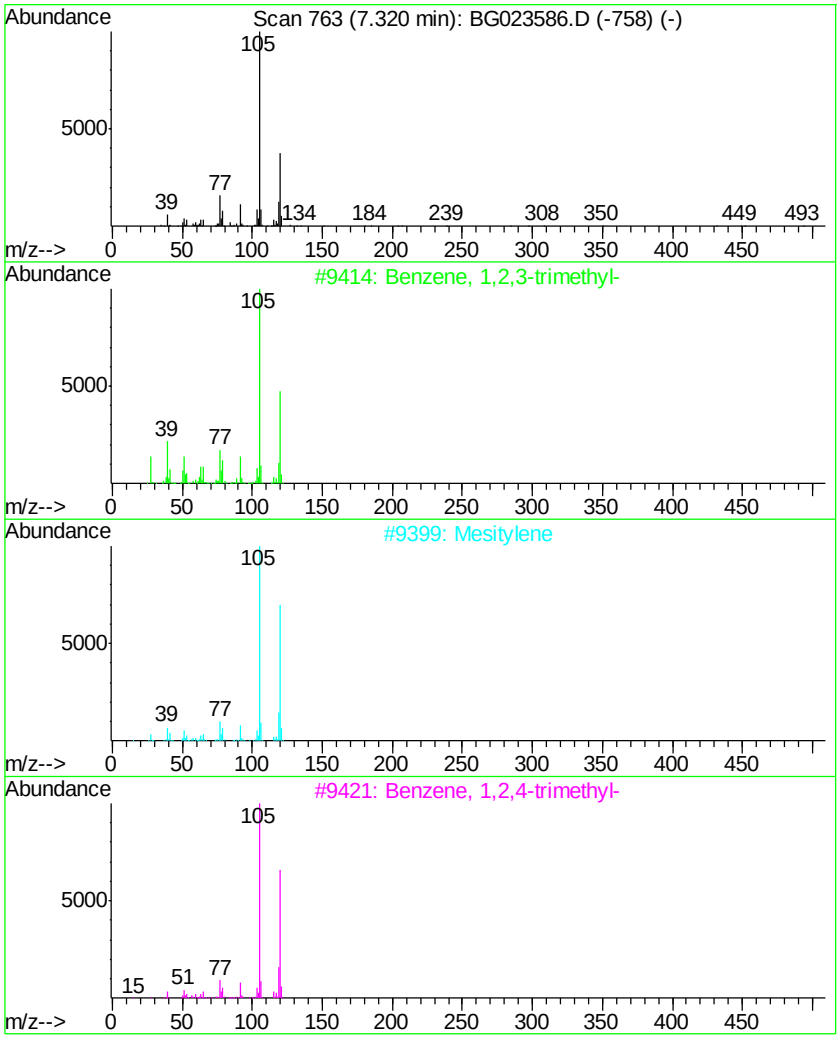
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

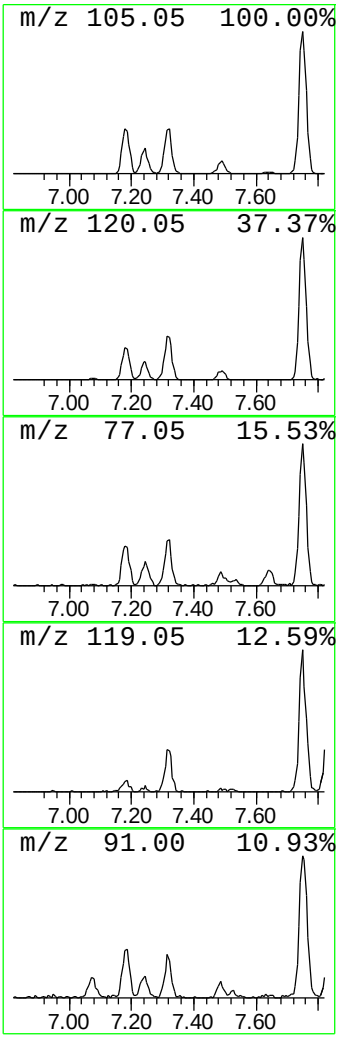
****

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.32	9.00 ng/ul	472385	1,4-Dichlorobenzene-d4	8.11

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





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080916\
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Acq On : 10 Aug 2016 10:05
Operator : UM/SJ
Sample : H2567-15RE
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7Z1RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

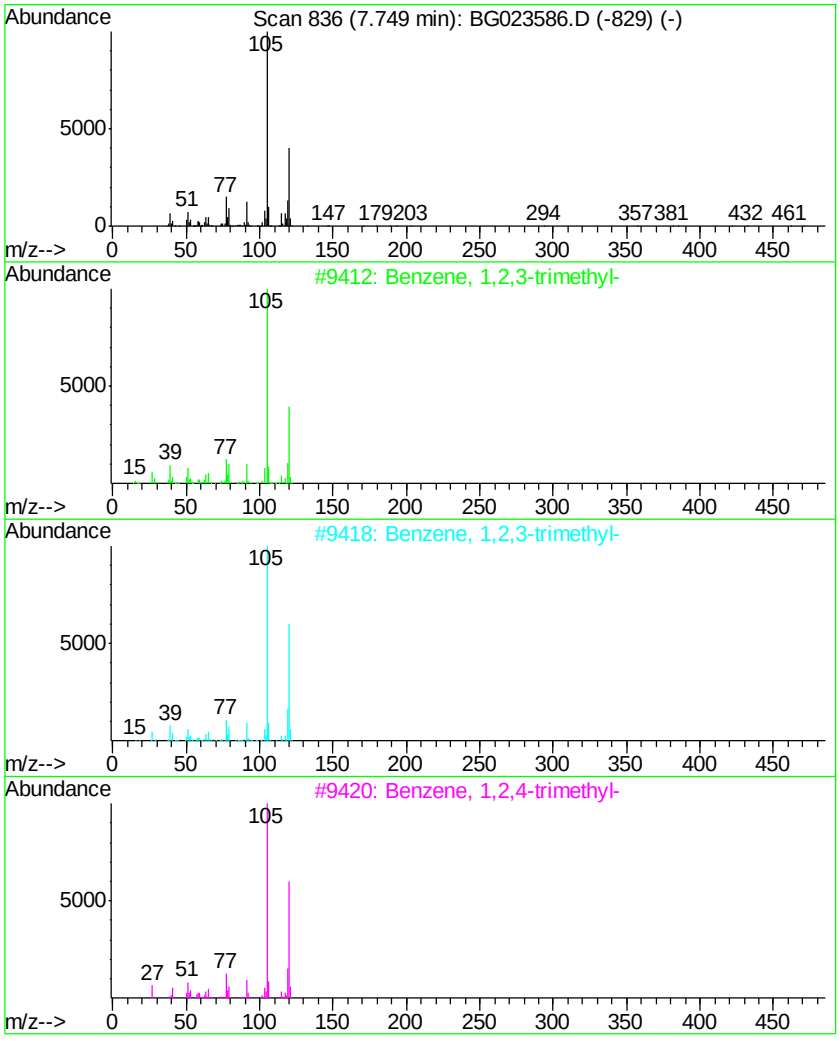
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

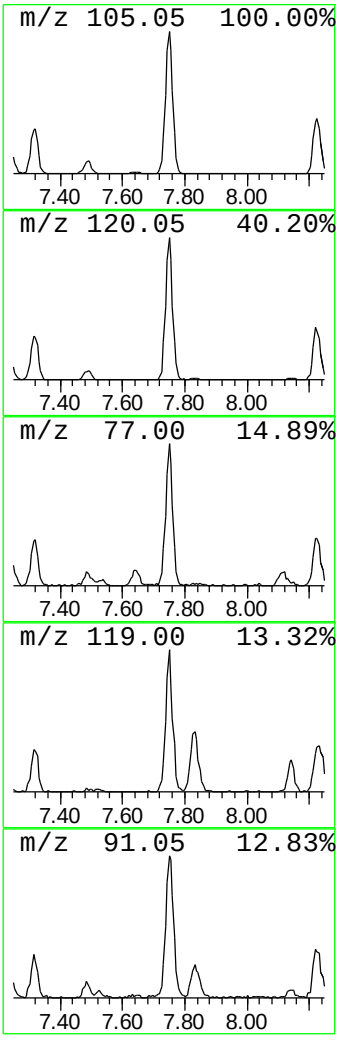
****

Peak Number 6 Benzene, 1,2,4-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.75	30.25 ng/ul	1587980	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
5	Mesitylene	120	C9H12	000108-67-8	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080916\
Data File : BG023586.D
Acq On : 10 Aug 2016 10:05
Operator : UM/SJ
Sample : H2567-15RE
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7Z1RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

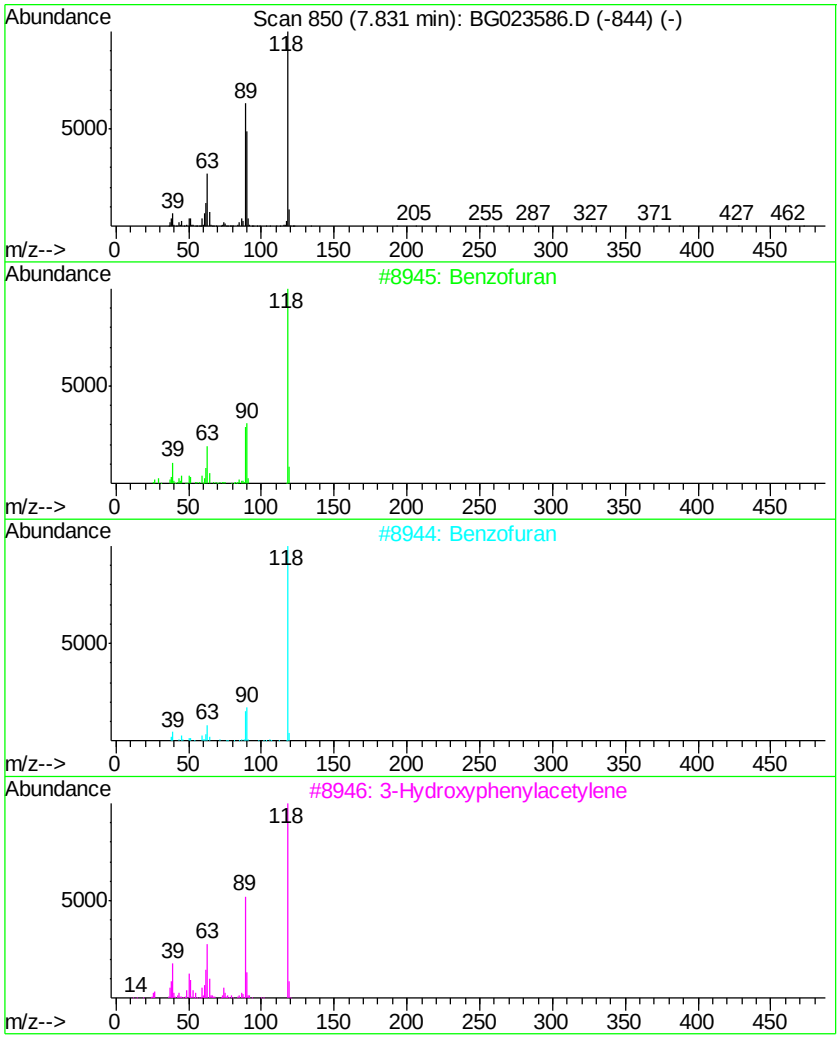
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

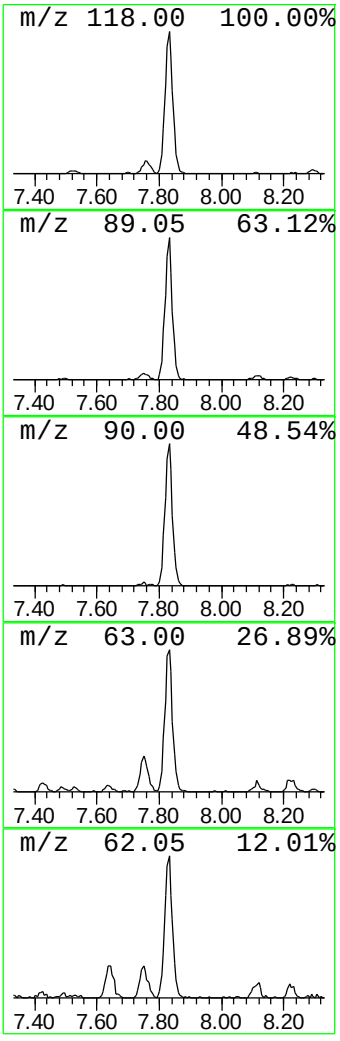
****

Peak Number 7 Benzofuran Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.83	23.02 ng/ul	1208520	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	94
2	Benzofuran	118	C8H6O	000271-89-6	90
3	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	83
4	Benzofuran	118	C8H6O	000271-89-6	72
5	5-Cyano-2-picoline	118	C7H6N2	003222-48-8	47





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Data File : BG023586.D
Acq On : 10 Aug 2016 10:05
Operator : UM/SJ
Sample : H2567-15RE
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7Z1RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

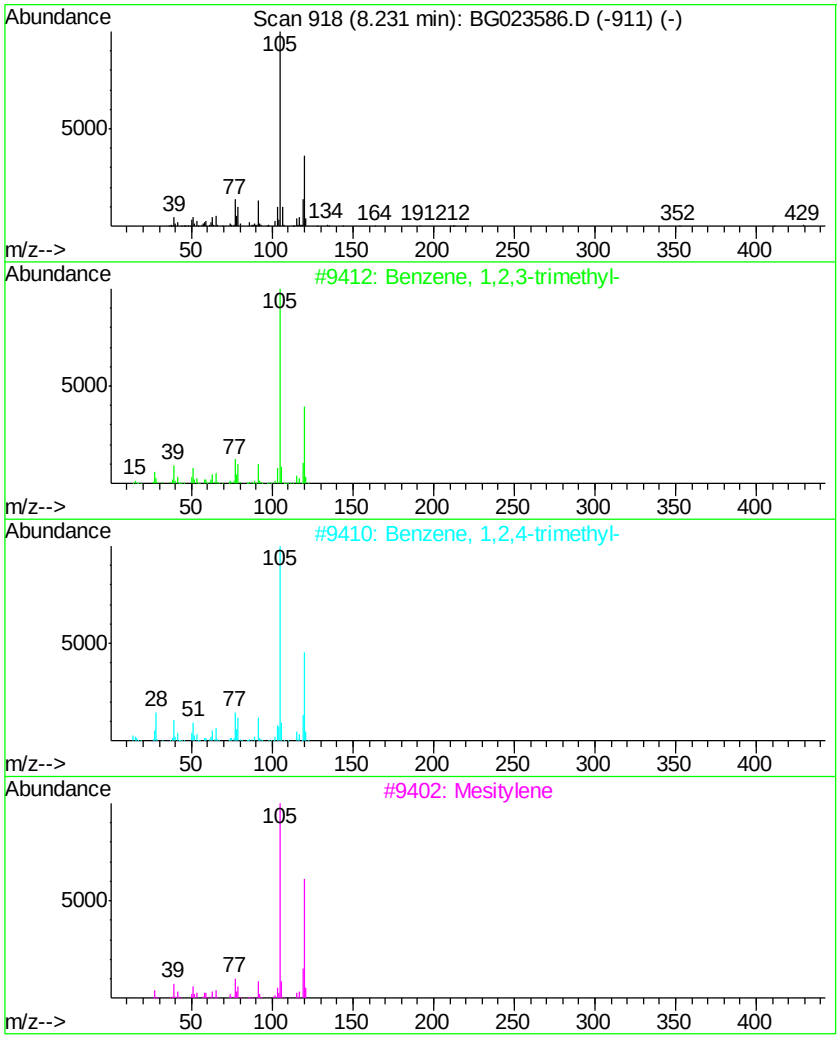
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

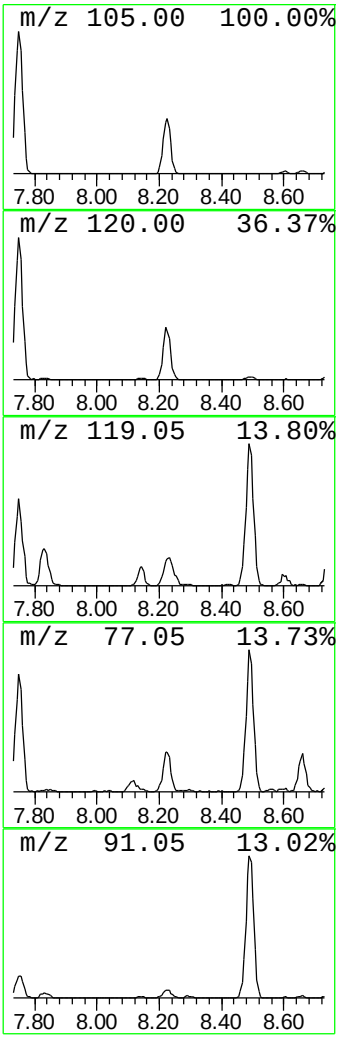
****

Peak Number 8 Mesitylene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.23	11.25 ng/ul	590464	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Mesitylene	120	C9H12	000108-67-8	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

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Operator : UM/SJ
Sample : H2567-15RE
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7Z1RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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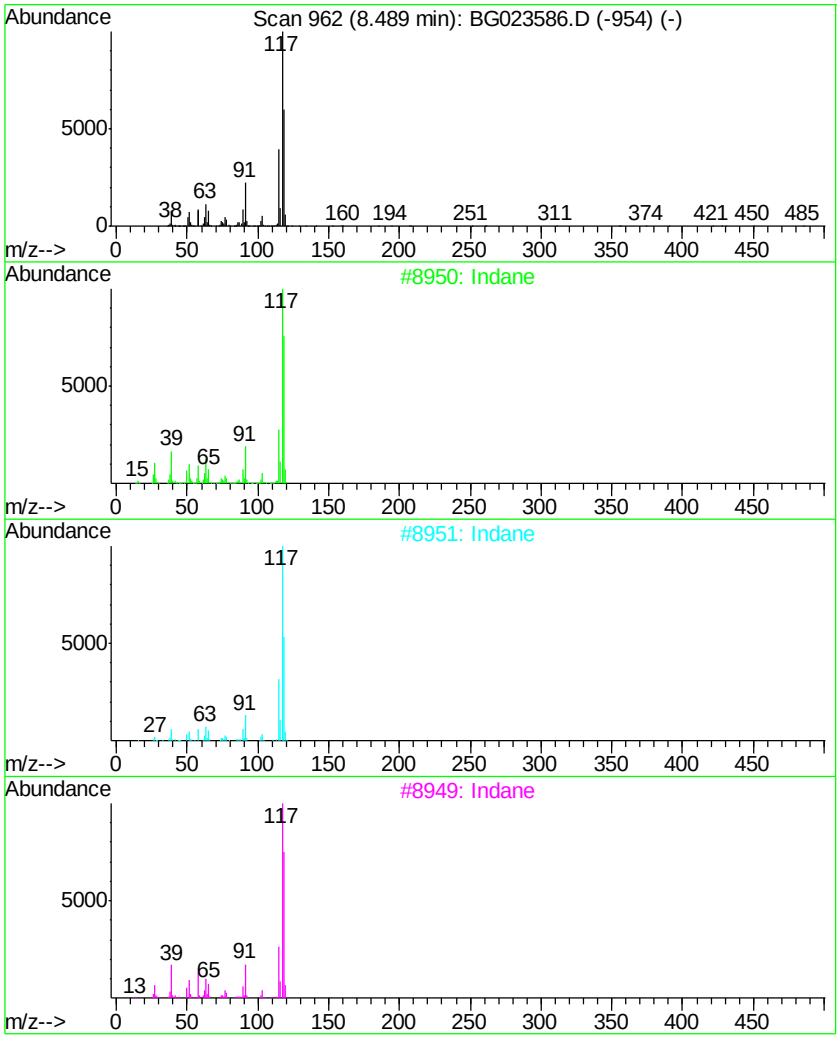
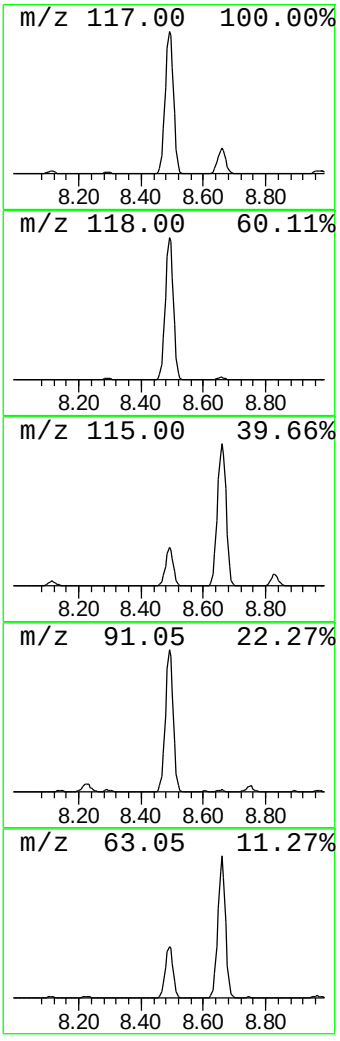
Peak Number 9 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.49	138.65 ng/ul	7279340	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane	118	C9H10	000496-11-7	94
3	Indane	118	C9H10	000496-11-7	93
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	89
5	Indane	118	C9H10	000496-11-7	86





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Sample : H2567-15RE
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Instrument : BNA_G
ClientSampleId : BC7Z1RE

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Quant Title : SVOA CALIBRATION

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

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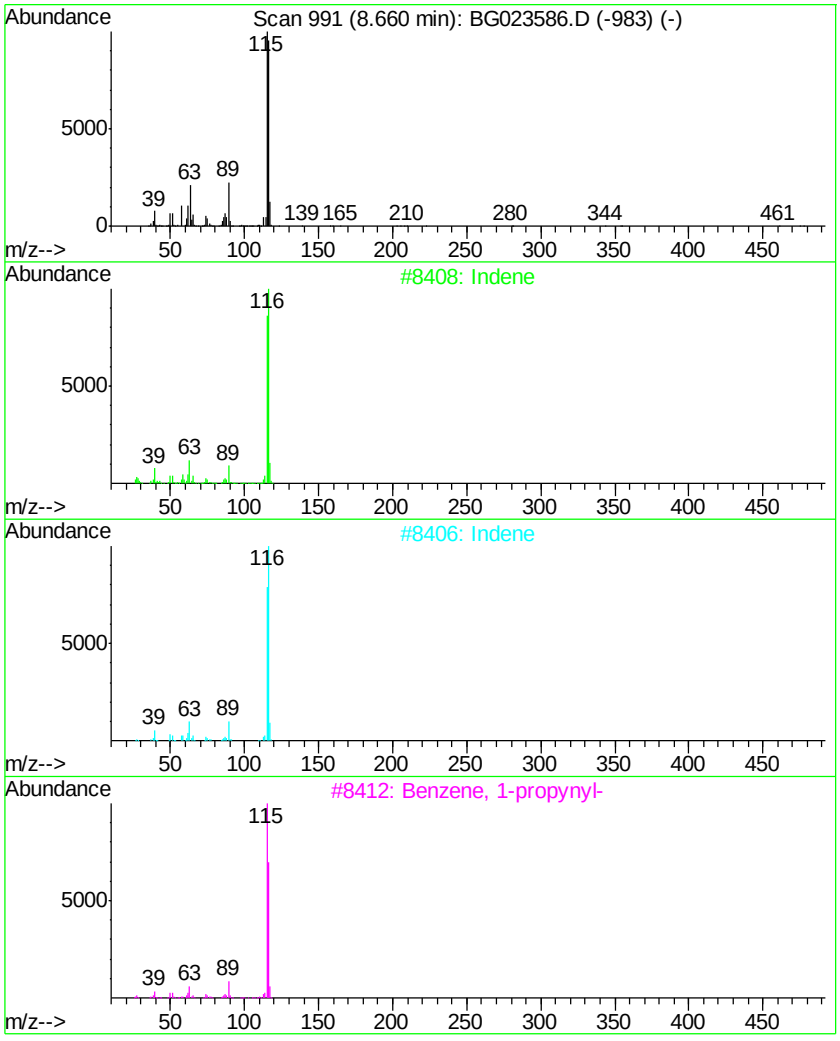
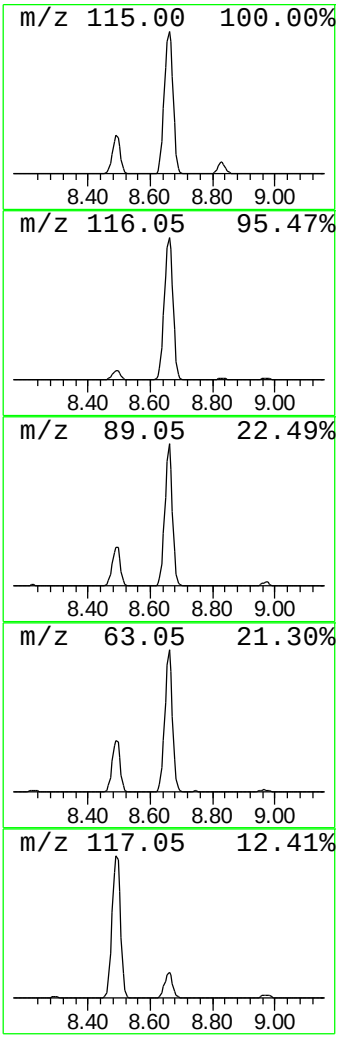
Peak Number 10 Indene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.66	213.58 ng/ul	11213200	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	96
2	Indene	116	C9H8	000095-13-6	96
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
4	Indene	116	C9H8	000095-13-6	91
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	91





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Sample : H2567-15RE
Misc :
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Instrument : BNA_G
ClientSampleId : BC7Z1RE

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Quant Title : SVOA CALIBRATION

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

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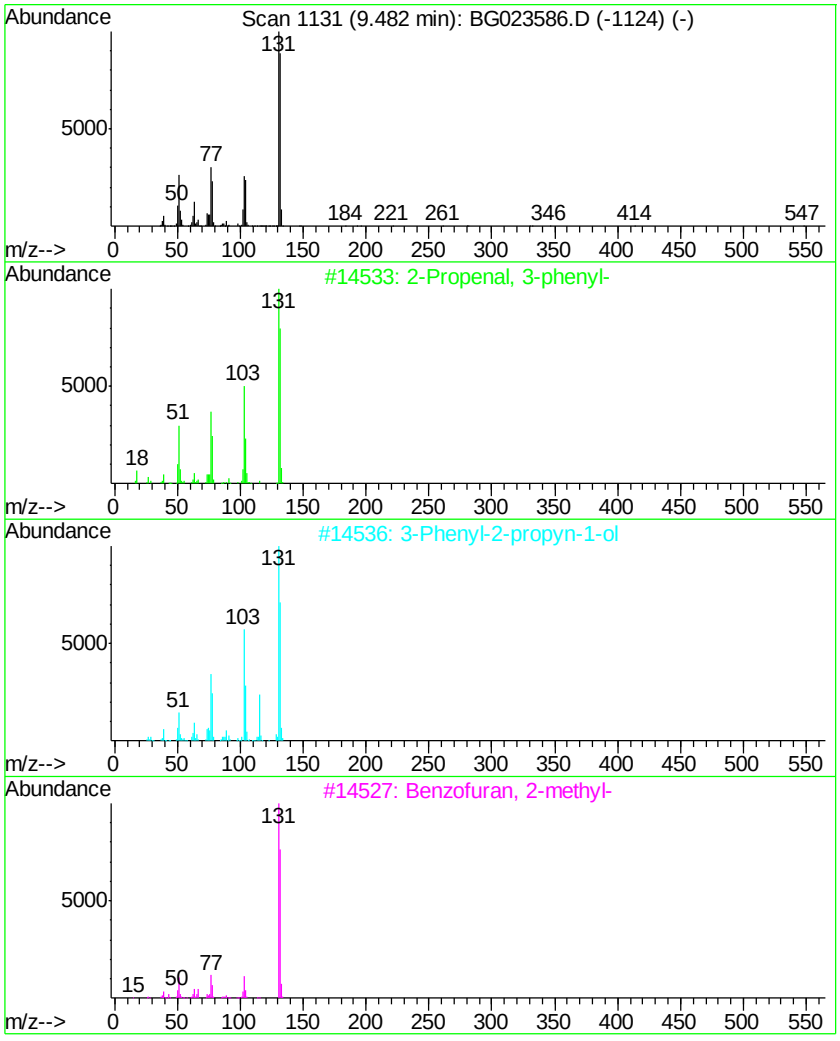
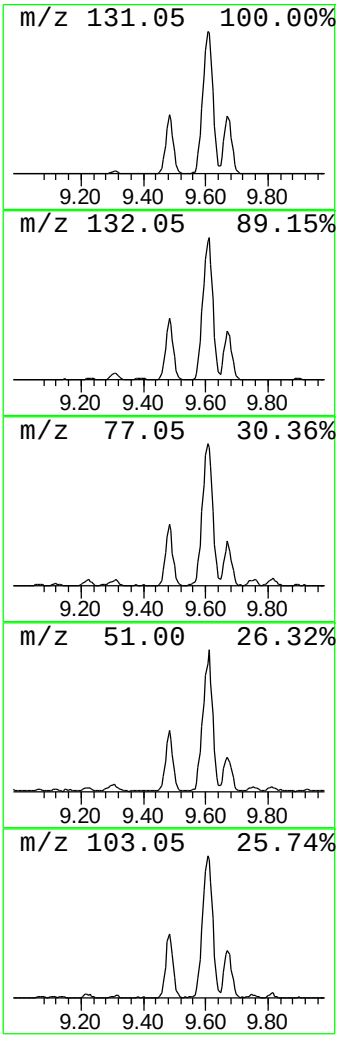
Peak Number 11 2-Propenal, 3-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.48	24.83 ng/ul	1303510	1,4-Dichlorobenzene-d4	8.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	93
2	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90





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Acq On : 10 Aug 2016 10:05
Operator : UM/SJ
Sample : H2567-15RE
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7Z1RE

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Quant Title : SVOA CALIBRATION

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

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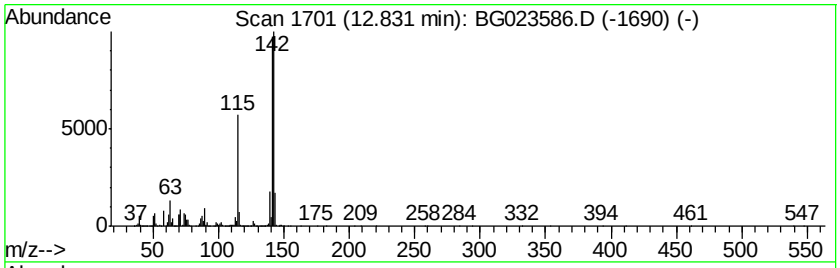
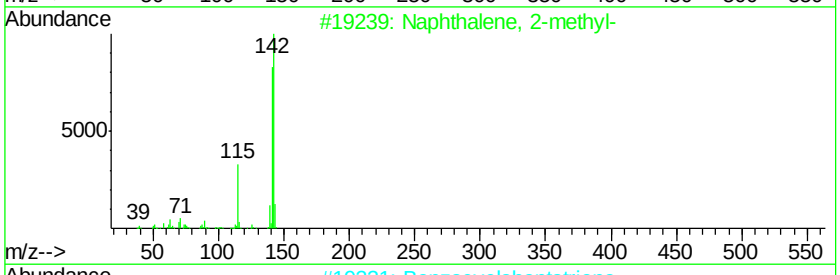
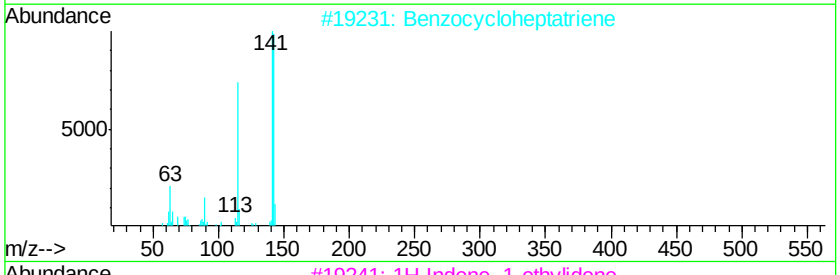
Peak Number 12 Naphthalene, 1-methyl- Concentration Rank 58

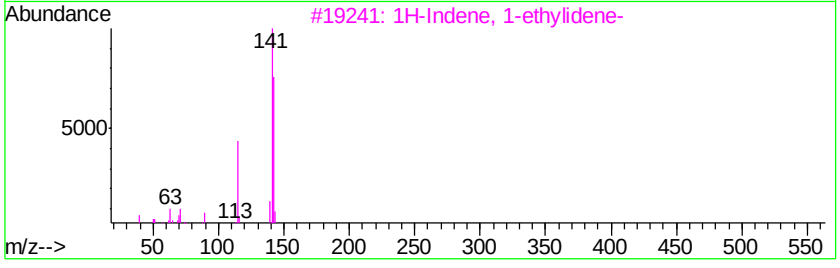
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.83	2.93 ng/ul	14770700	Naphthalene-d8	10.97

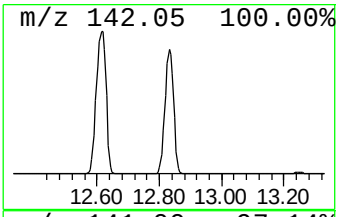
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
2	Benzocycloheptatriene	142	C11H10	000264-09-5	95
3	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	94
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94

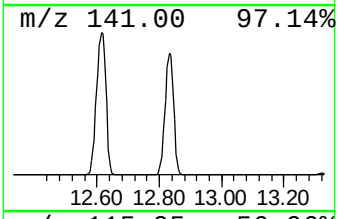


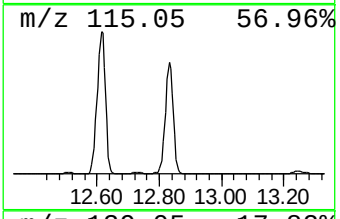


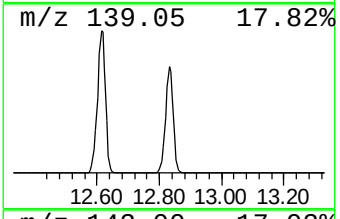


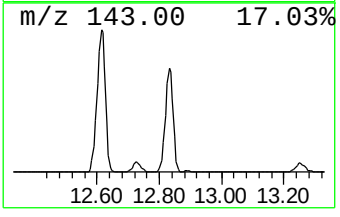












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Acq On : 10 Aug 2016 10:05
Operator : UM/SJ
Sample : H2567-15RE
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7Z1RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

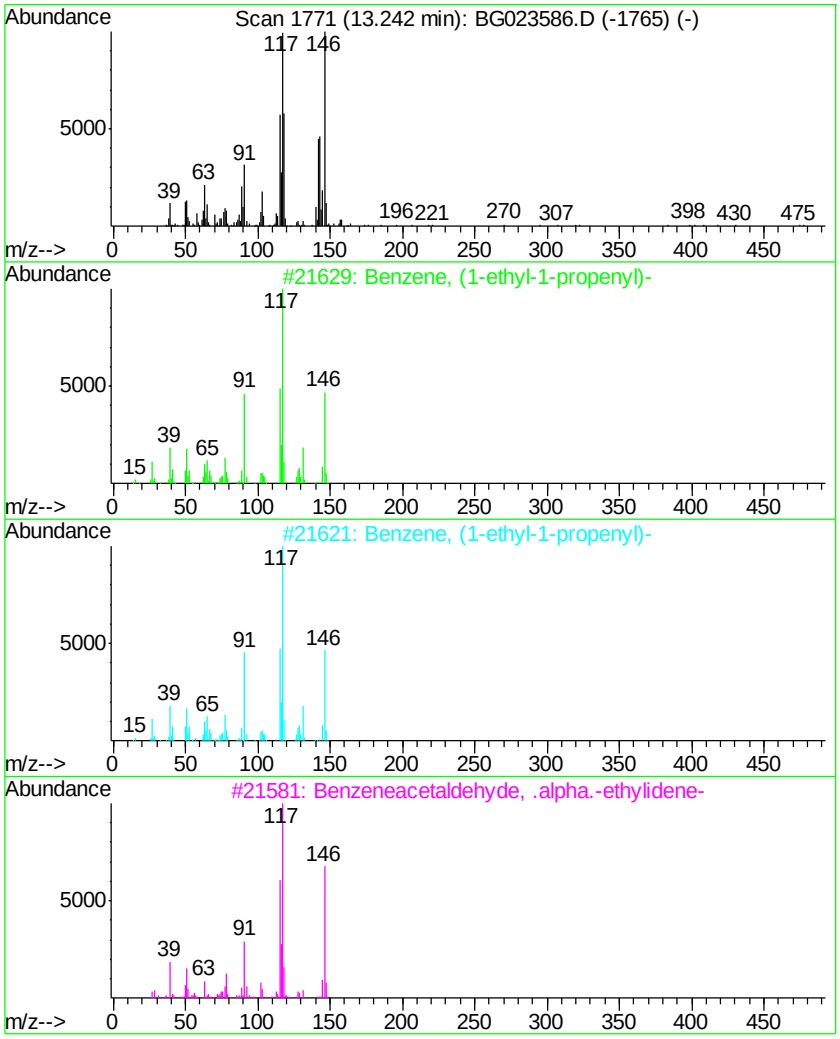
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

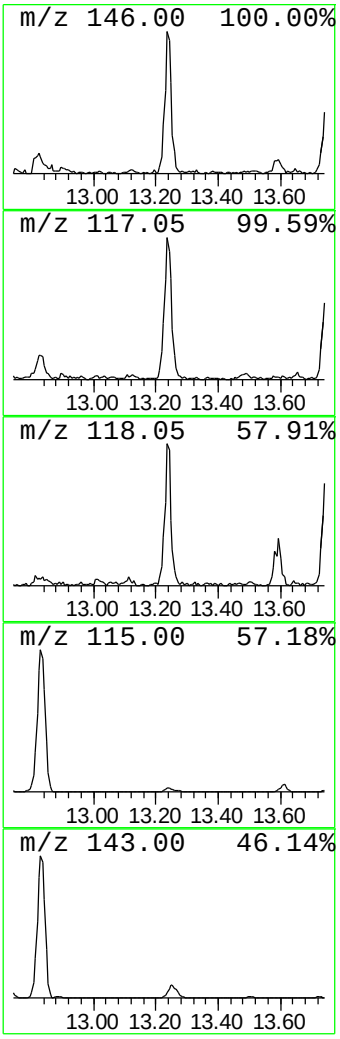
****

Peak Number 13 Benzene, (1-ethyl-1-propenyl)- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	5.86 ng/ul	683330	Acenaphthene-d10	14.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	64
2	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	64
3	Benzeneacetaldehyde, .alpha.-eth...	146	C10H10O	004411-89-6	52
4	Coumarin	146	C9H6O2	000091-64-5	42
5	4-Phenylbut-3-yn-1-ol	146	C10H10O	010229-11-5	41





Library Search Compound Report

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Misc :
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Instrument : BNA_G
ClientSampleId : BC7Z1RE

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Quant Title : SVOA CALIBRATION

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

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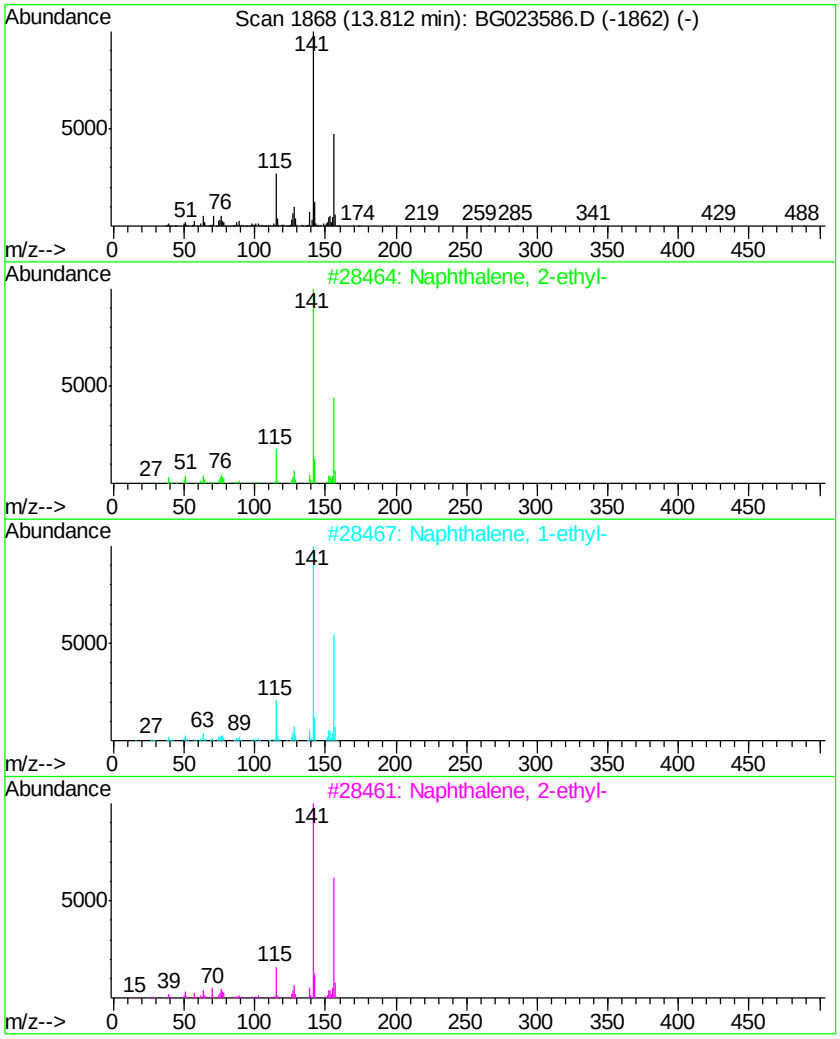
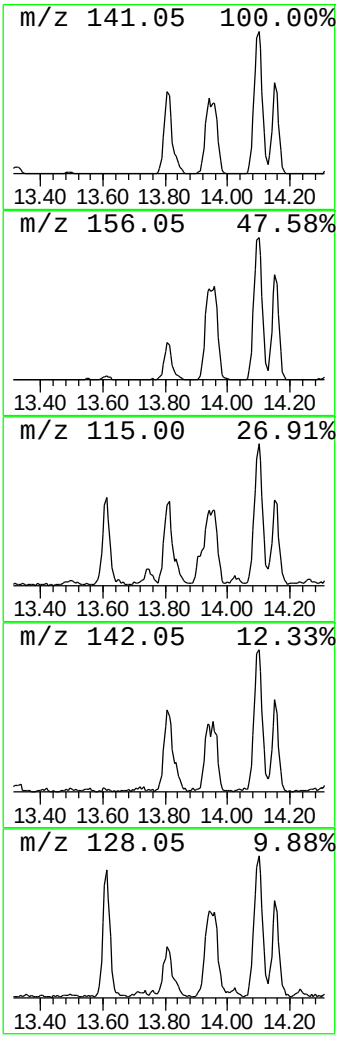
Peak Number 14 Naphthalene, 2-ethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.81	11.19 ng/ul	1304890	Acenaphthene-d10	14.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	97
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93





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Sample : H2567-15RE
Misc :
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Instrument : BNA_G
ClientSampleId : BC7Z1RE

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Quant Title : SVOA CALIBRATION

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

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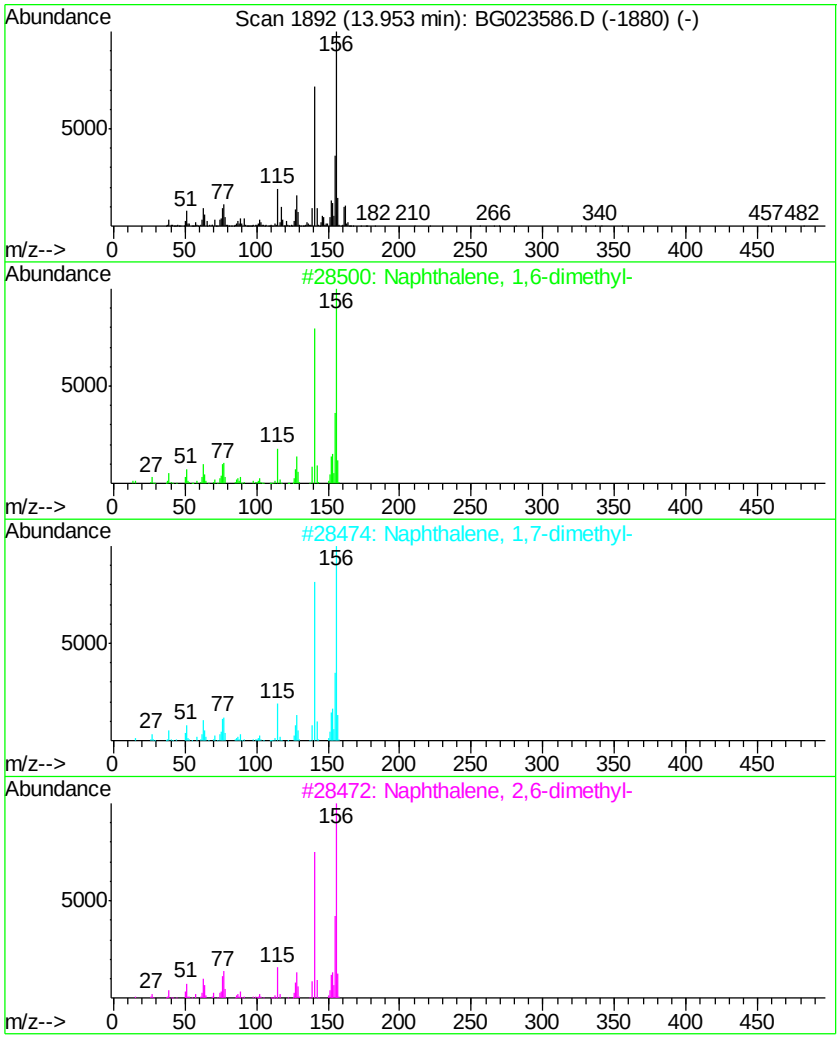
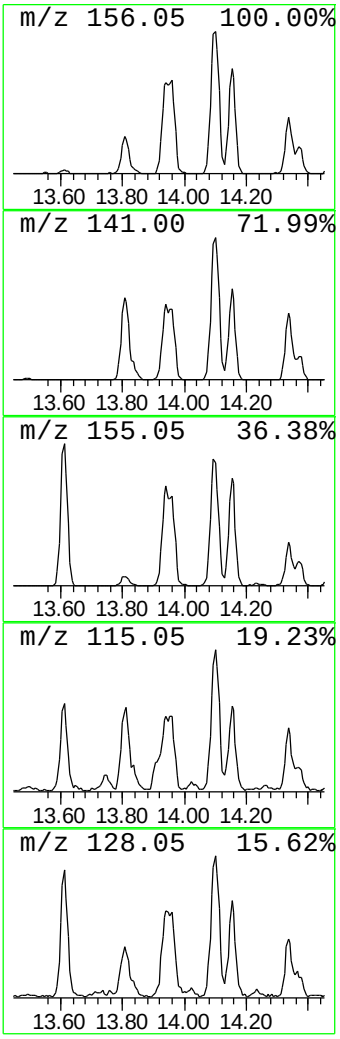
Peak Number 15 Naphthalene, 1,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	29.06 ng/ul	3387890	Acenaphthene-d10	14.79

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





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Misc :
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Quant Title : SVOA CALIBRATION

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

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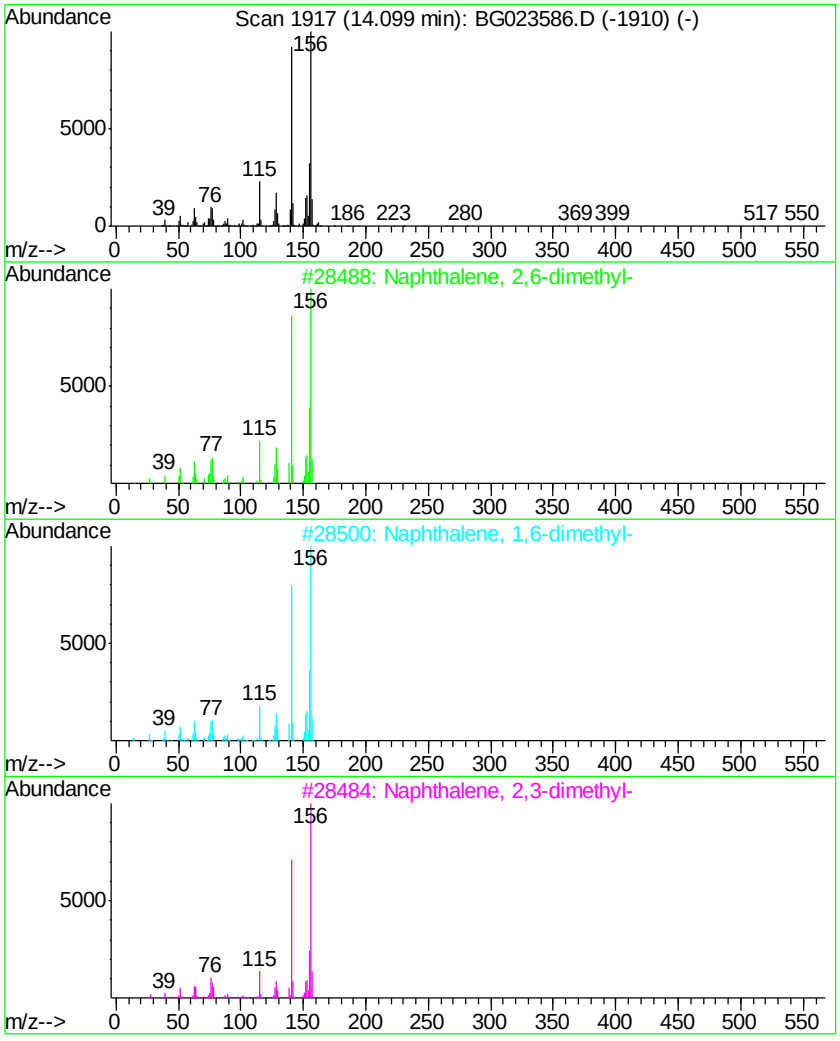
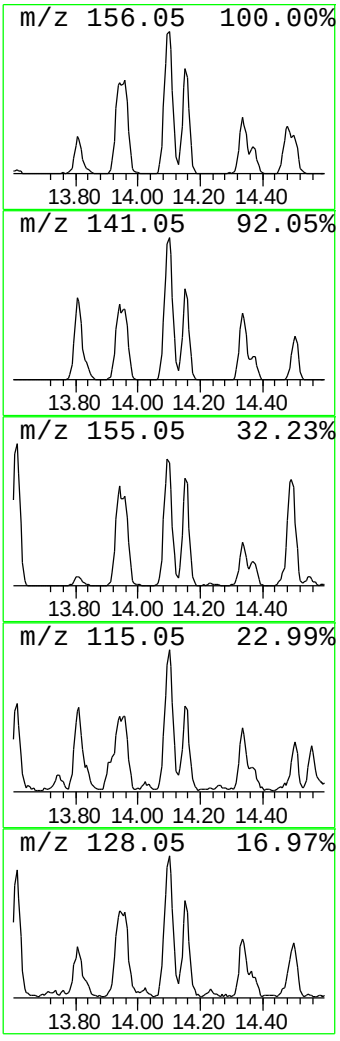
Peak Number 16 Naphthalene, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	26.94 ng/ul	3140700	Acenaphthene-d10	14.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





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Quant Title : SVOA CALIBRATION

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

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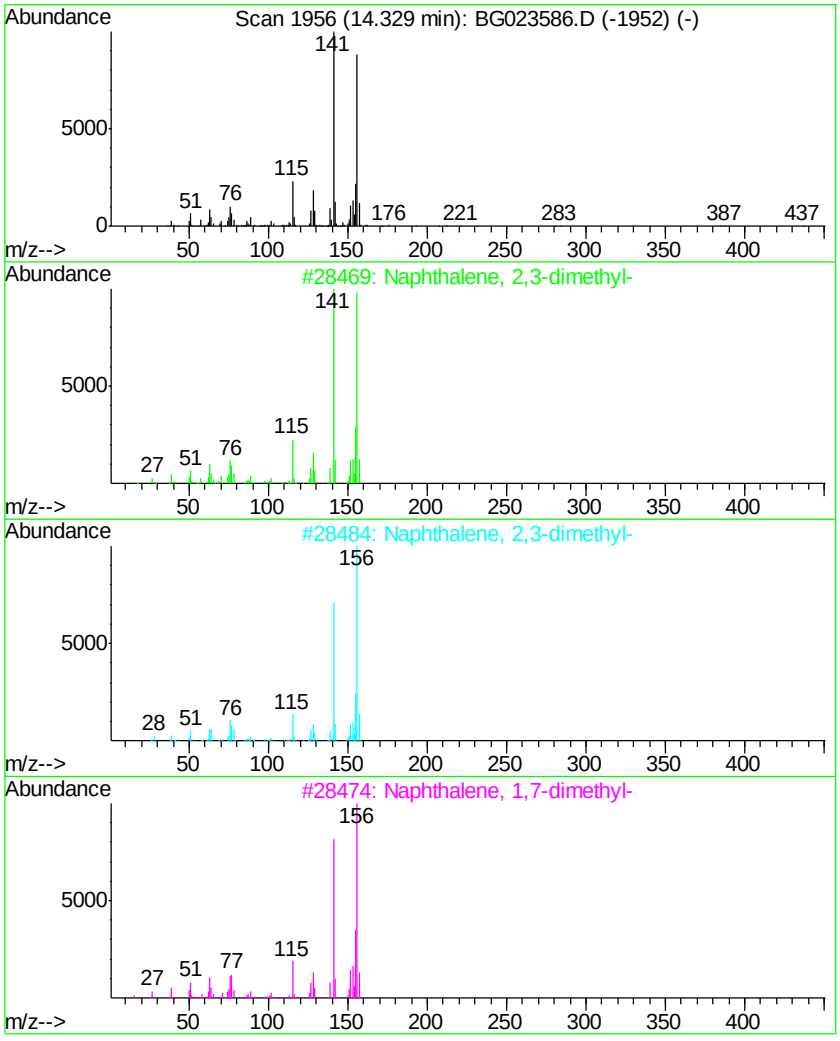
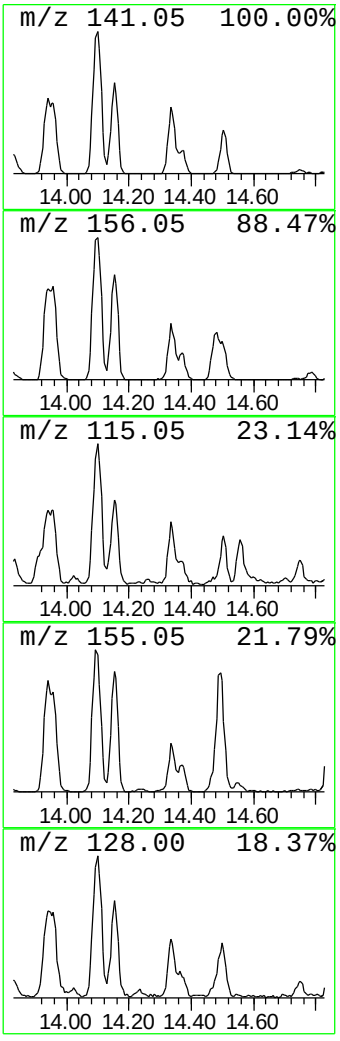
Peak Number 17 Naphthalene, 2,3-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	9.16 ng/ul	1067920	Acenaphthene-d10	14.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95





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Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7Z1RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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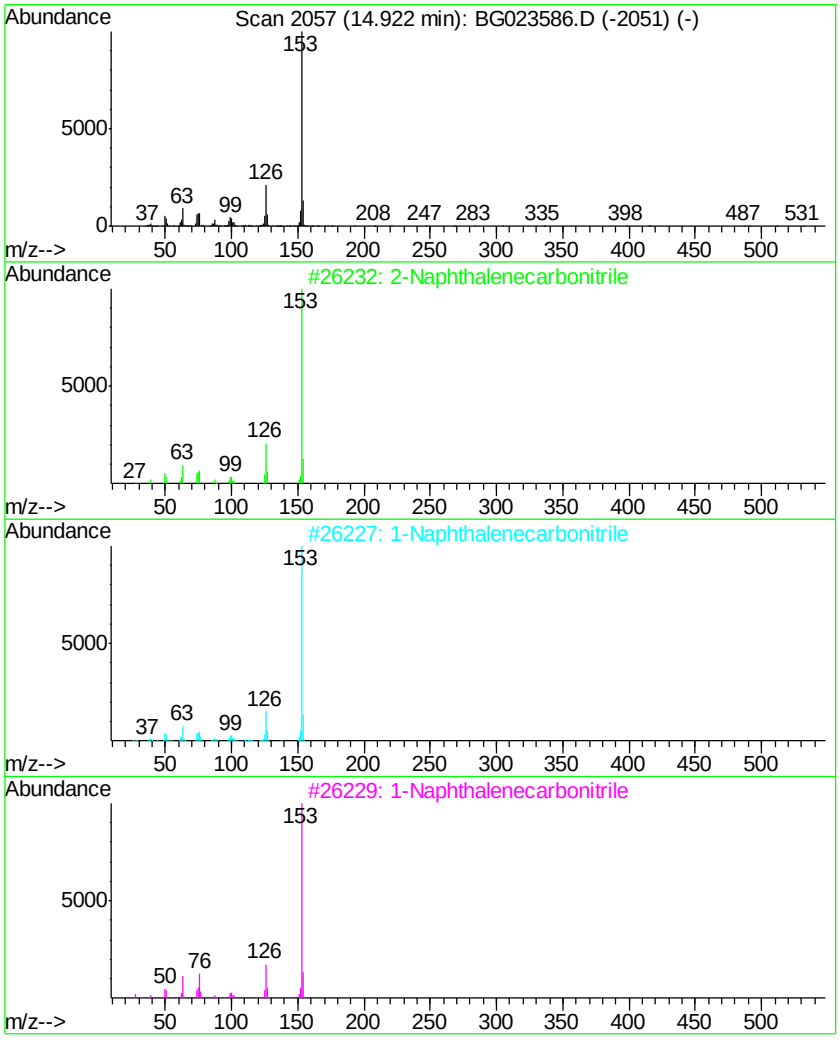
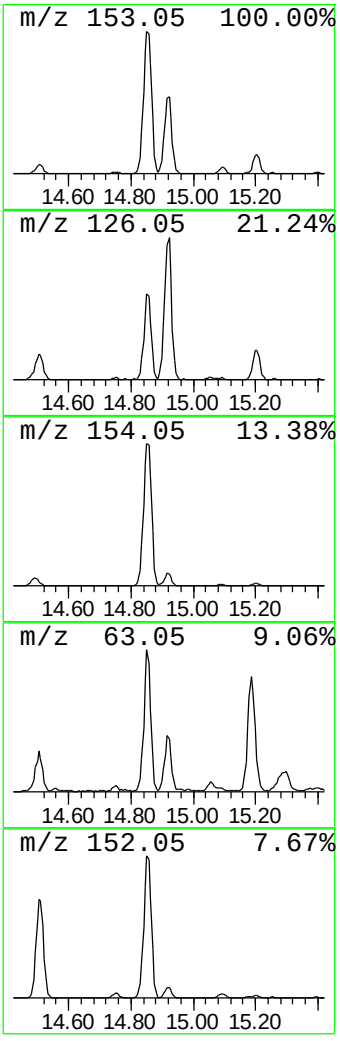
Peak Number 18 2-Naphthalenecarbonitrile Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	31.12 ng/ul	3627840	Acenaphthene-d10	14.79

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	94
3	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	94
4	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91
5	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	90





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Acq On : 10 Aug 2016 10:05
Operator : UM/SJ
Sample : H2567-15RE
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7Z1RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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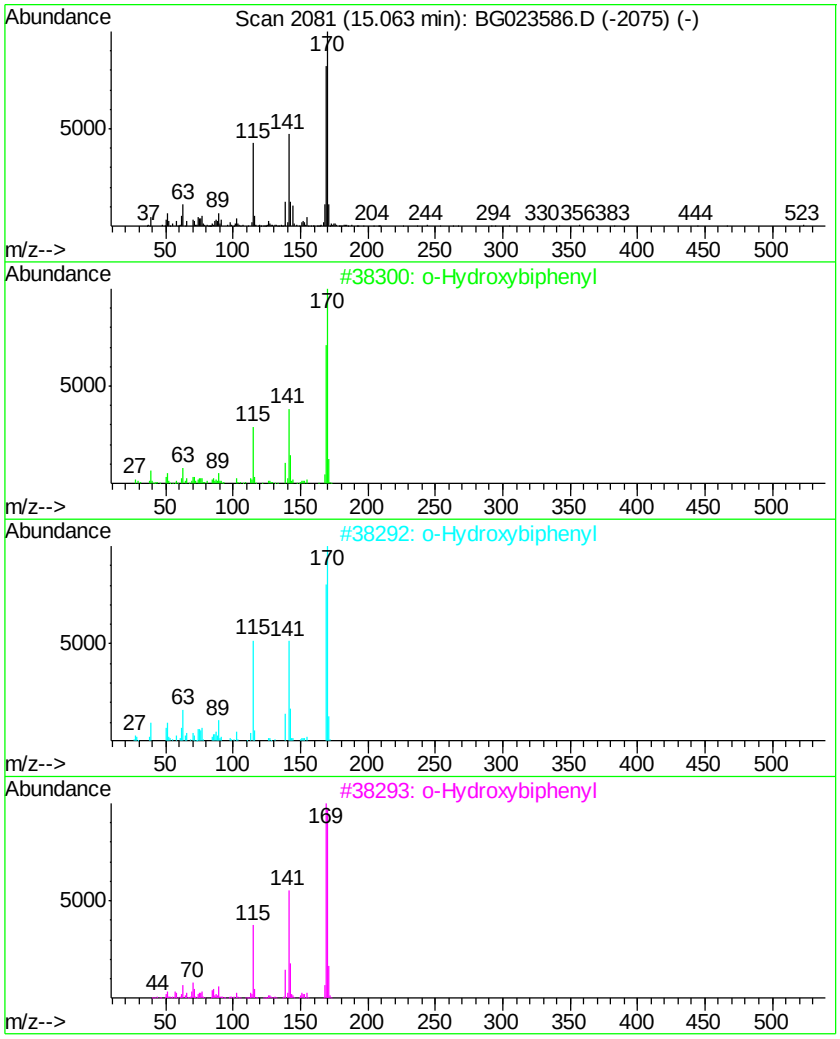
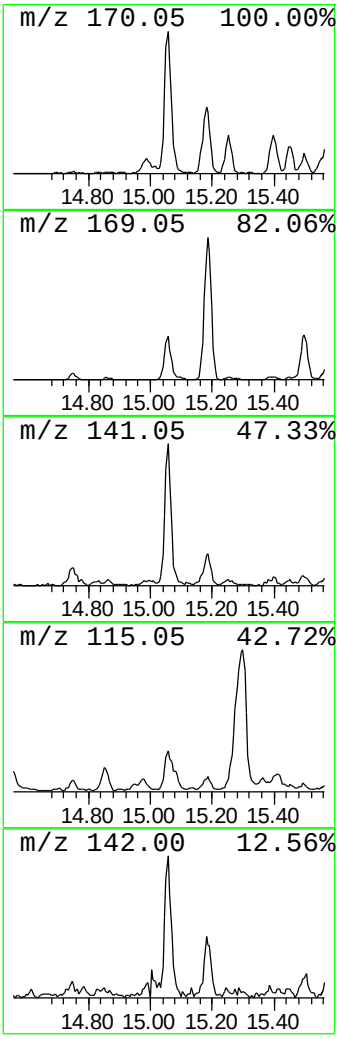
Peak Number 19 o-Hydroxybiphenyl Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	8.25 ng/ul	961556	Acenaphthene-d10	14.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	94
2	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	93
3	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	91
4	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	81
5	Benzene, 1-phenoxy-2-(2-propenyl)-	210	C15H14O	054965-06-9	64





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Acq On : 10 Aug 2016 10:05
Operator : UM/SJ
Sample : H2567-15RE
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7Z1RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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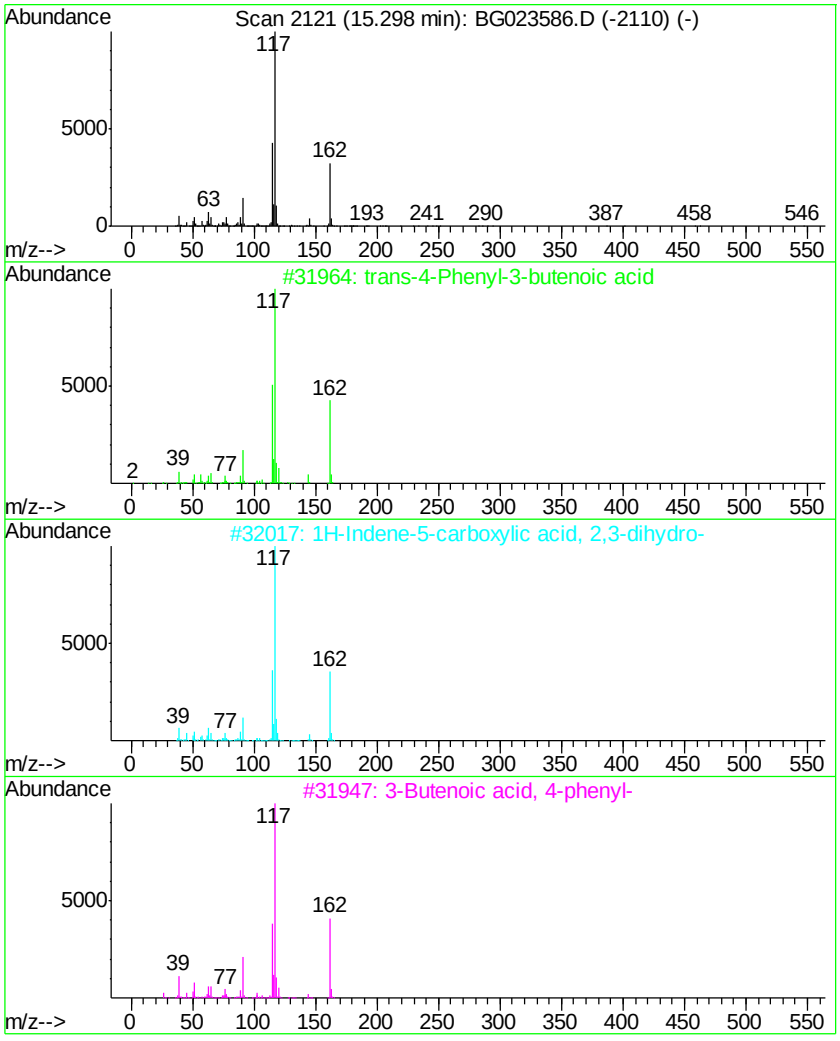
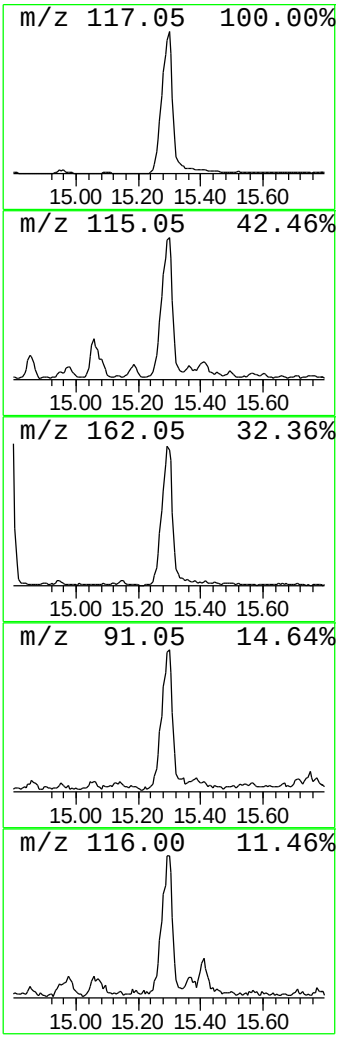
Peak Number 20 trans-4-Phenyl-3-butenoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	28.06 ng/ul	3271750	Acenaphthene-d10	14.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-4-Phenyl-3-butenoic acid	162	C10H10O2	001914-58-5	94
2	1H-Indene-5-carboxylic acid, 2,3...	162	C10H10O2	1000337-61-3	94
3	3-Butenoic acid, 4-phenyl-	162	C10H10O2	002243-53-0	91
4	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	64
5	Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	59





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Sample : H2567-15RE
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7Z1RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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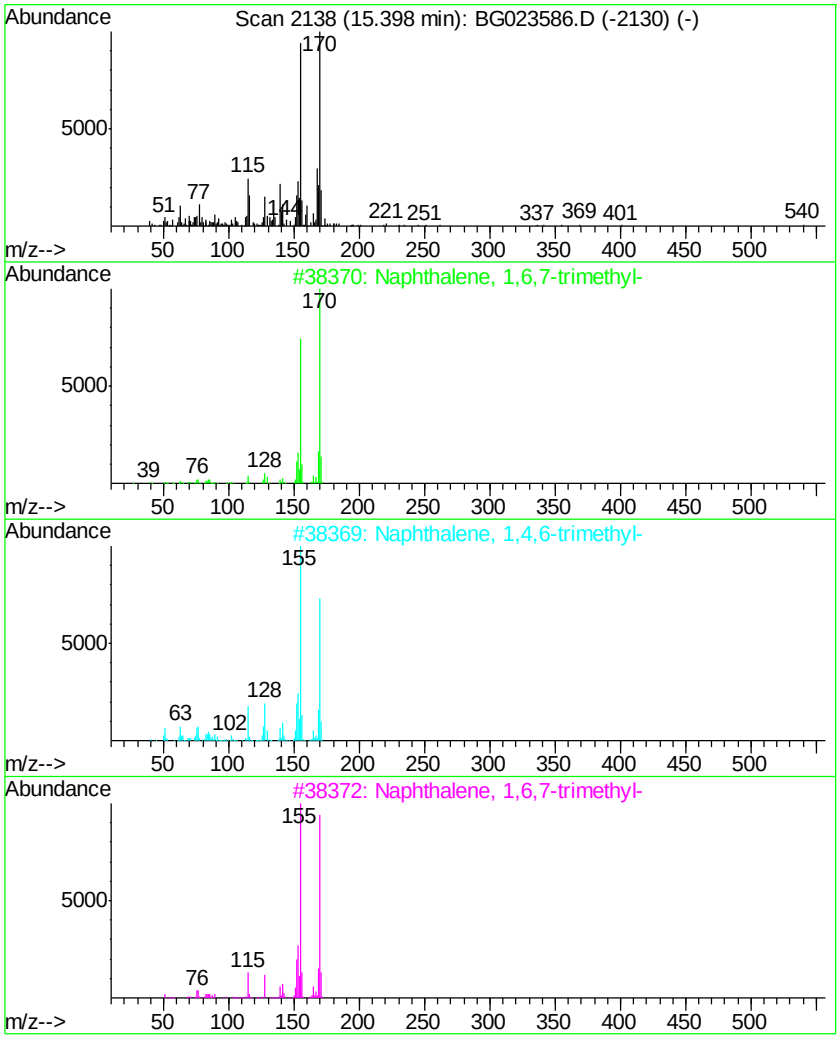
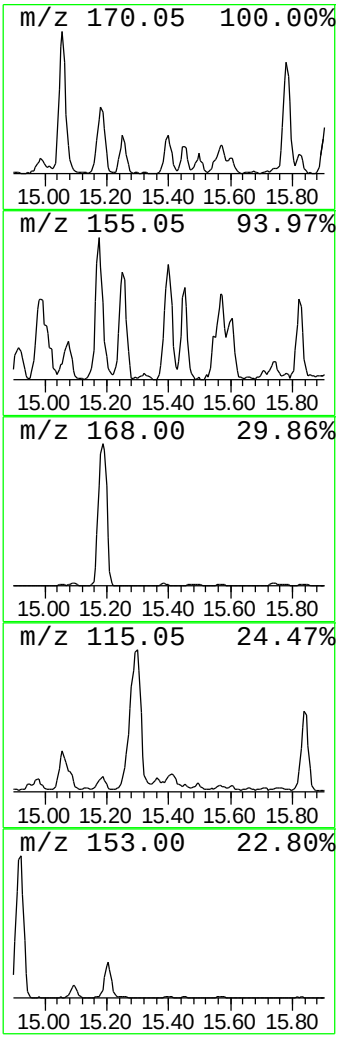
Peak Number 21 Naphthalene, 1,6,7-trimethyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	4.91 ng/ul	572130	Acenaphthene-d10	14.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	90





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Sample : H2567-15RE
Misc :
ALS Vial : 31 Sample Multiplier: 1

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ClientSampleId : BC7Z1RE

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Quant Title : SVOA CALIBRATION

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

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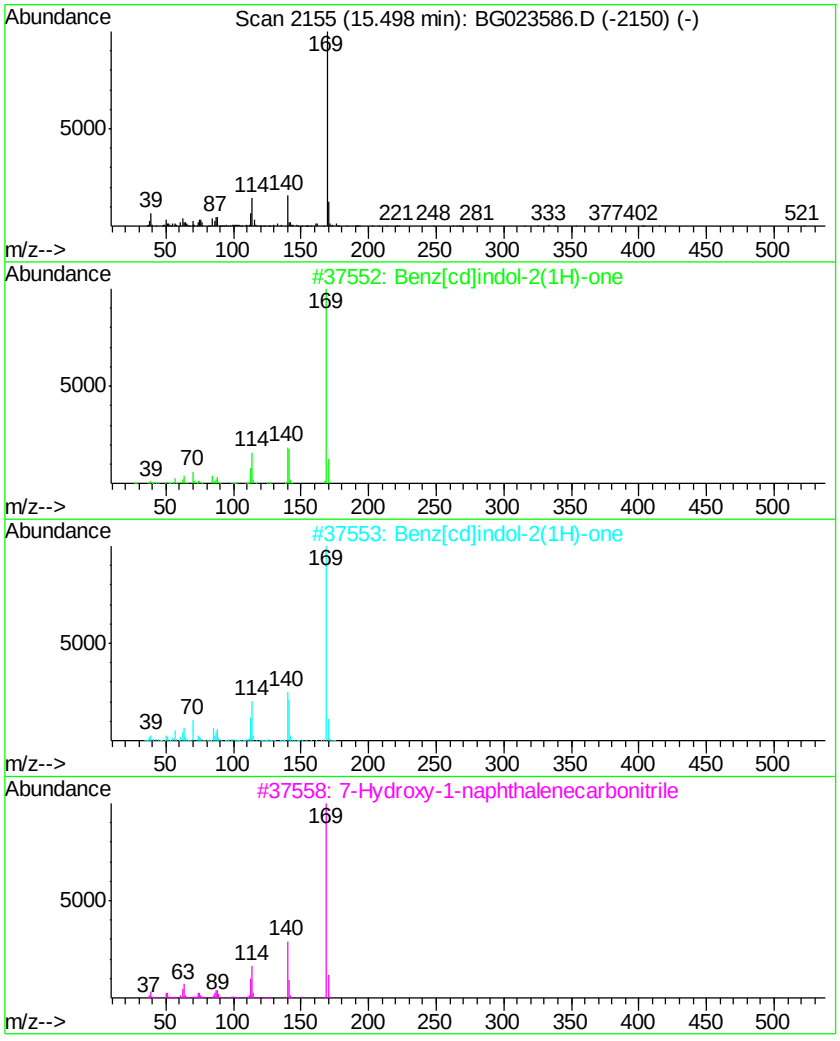
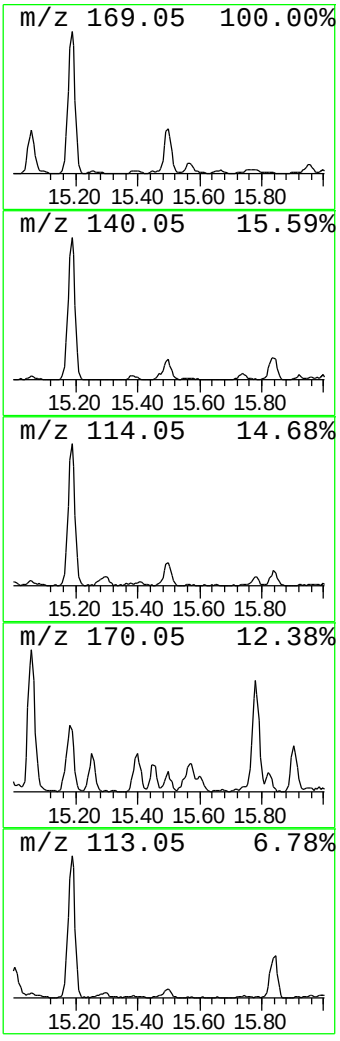
Peak Number 22 Benz[cd]indol-2(1H)-one Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.50	4.24 ng/ul	494843	Acenaphthene-d10	14.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[cd]indol-2(1H)-one	169	C11H7NO	000130-00-7	91
2	Benz[cd]indol-2(1H)-one	169	C11H7NO	000130-00-7	87
3	7-Hydroxy-1-naphthalenecarbonitrile	169	C11H7NO	1000326-74-9	86
4	6-Hydroxy-2-naphthalenecarbonitrile	169	C11H7NO	1000326-74-8	72
5	Quinoline-5-carbonitrile, 6-amino-	169	C10H7N3	1000317-01-9	64





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Sample : H2567-15RE
Misc :
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Instrument : BNA_G
ClientSampleId : BC7Z1RE

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Quant Title : SVOA CALIBRATION

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

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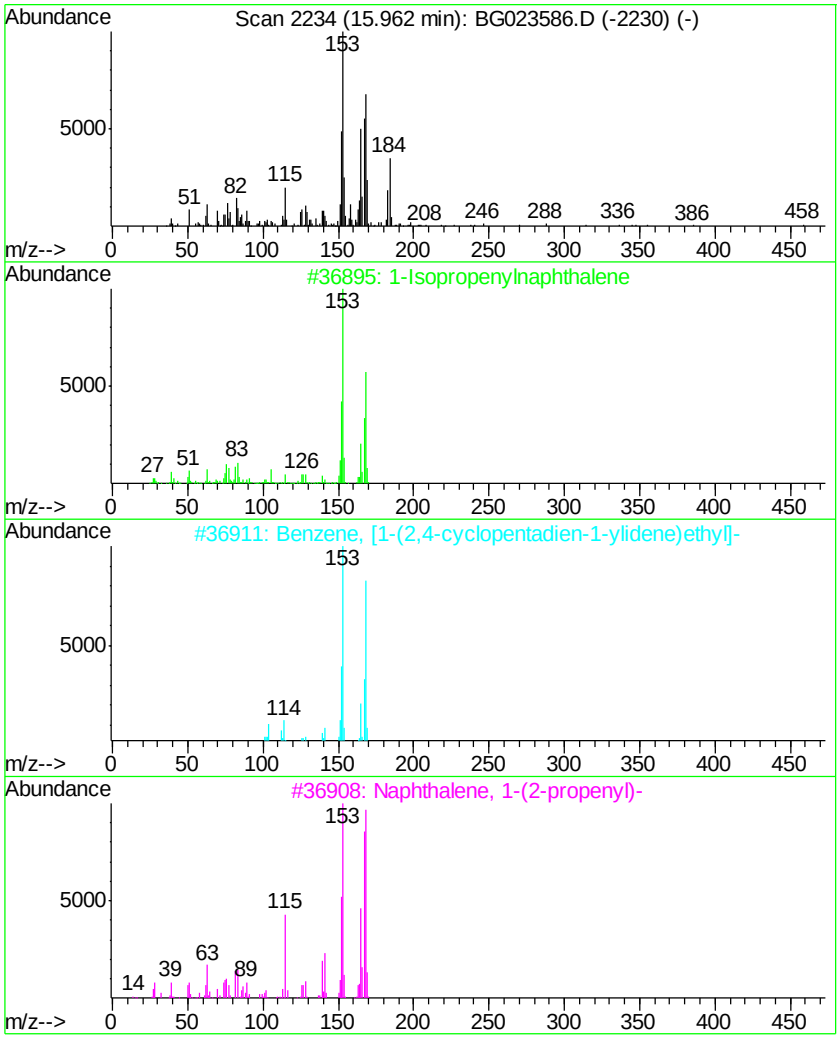
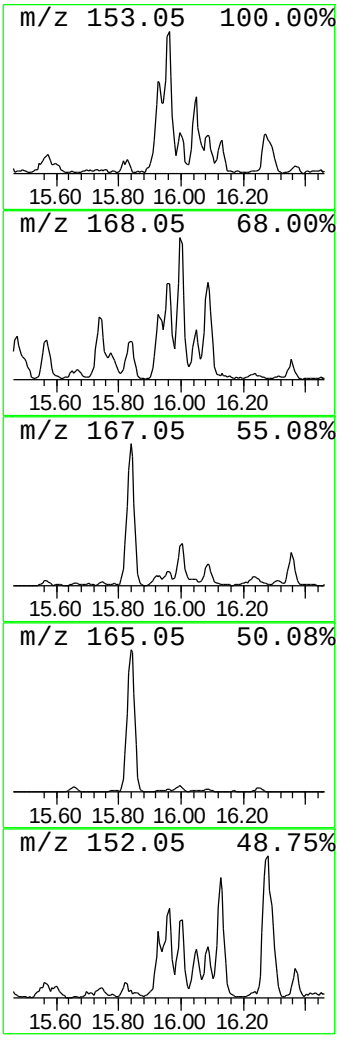
Peak Number 23 unknown-01 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	6.36 ng/ul	741815	Acenaphthene-d10	14.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	49
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	46
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	43
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	38
5	1,1,4,4-Tetramethyl-1,4-disilacy...	168	C8H16Si2	020627-53-6	30





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Sample : H2567-15RE
Misc :
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Instrument : BNA_G
ClientSampleId : BC7Z1RE

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Quant Title : SVOA CALIBRATION

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

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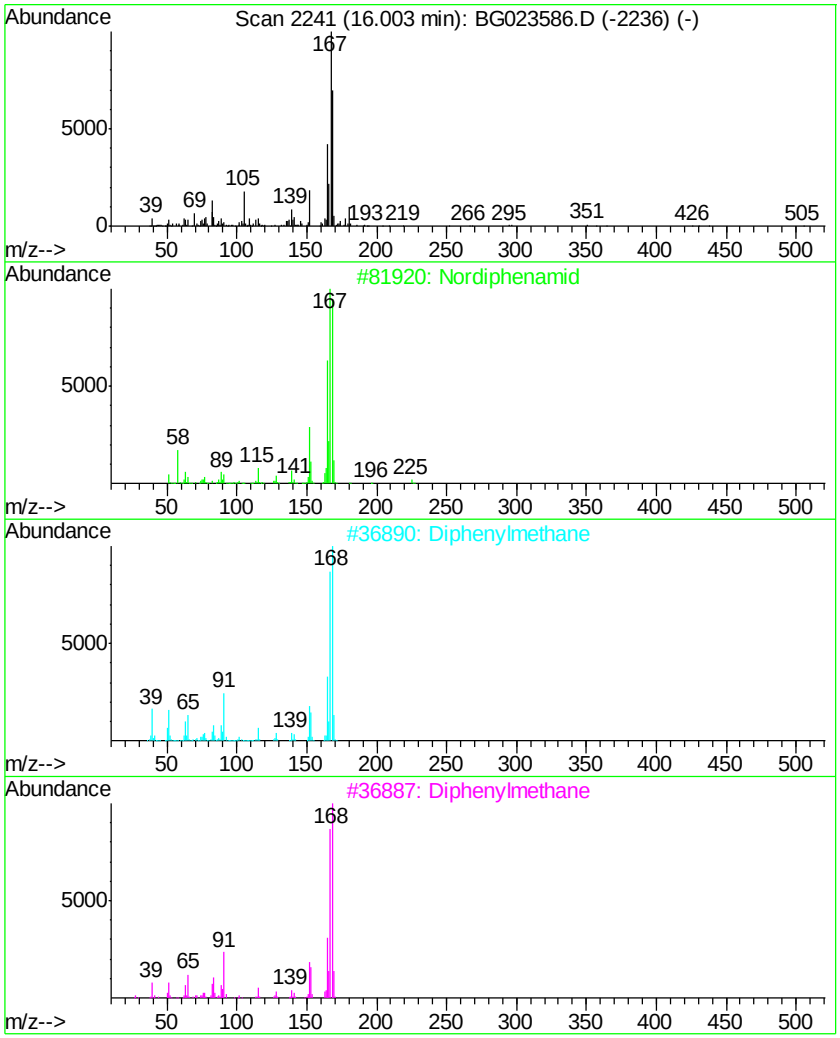
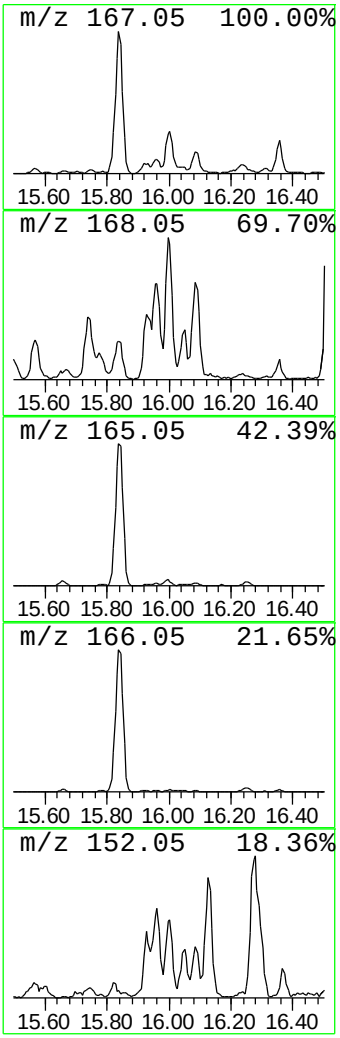
Peak Number 24 Nordiphenamid Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	9.28 ng/ul	1081660	Acenaphthene-d10	14.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	50
2	Diphenylmethane	168	C13H12	000101-81-5	49
3	Diphenylmethane	168	C13H12	000101-81-5	49
4	6-Methoxy-3-nitro-2-picoline	168	C7H8N2O3	005467-69-6	47
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	43





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Acq On : 10 Aug 2016 10:05
Operator : UM/SJ
Sample : H2567-15RE
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7Z1RE

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Quant Title : SVOA CALIBRATION

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

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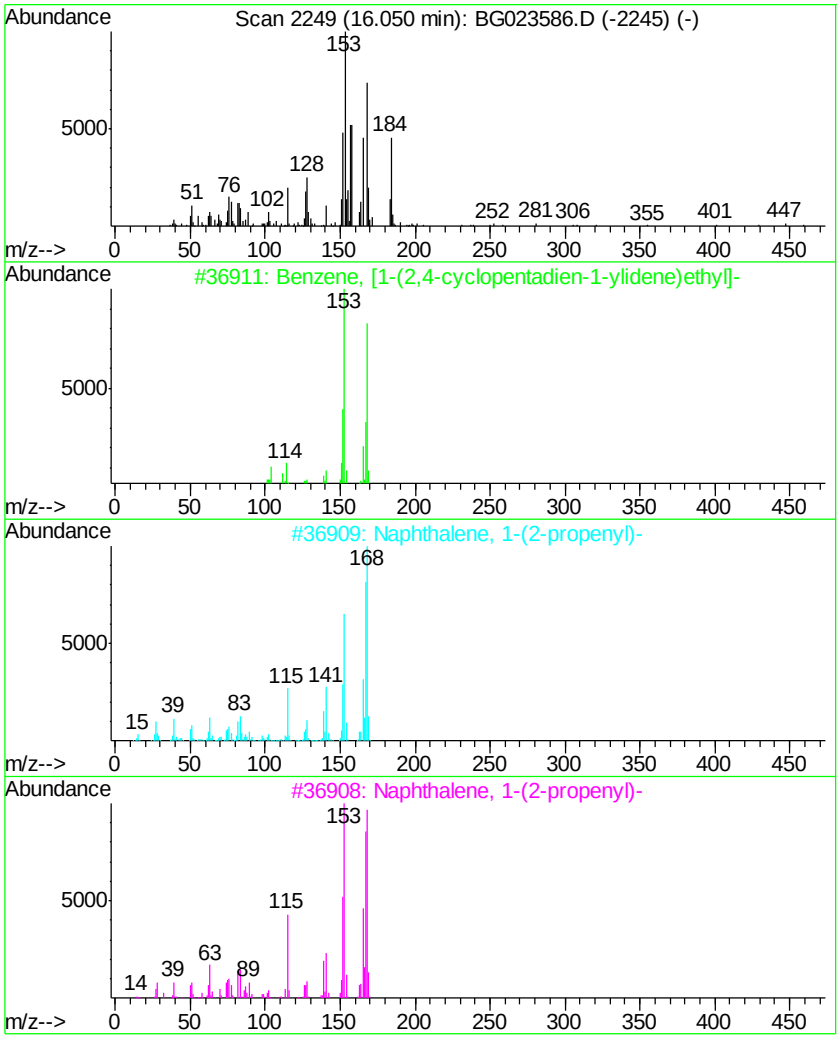
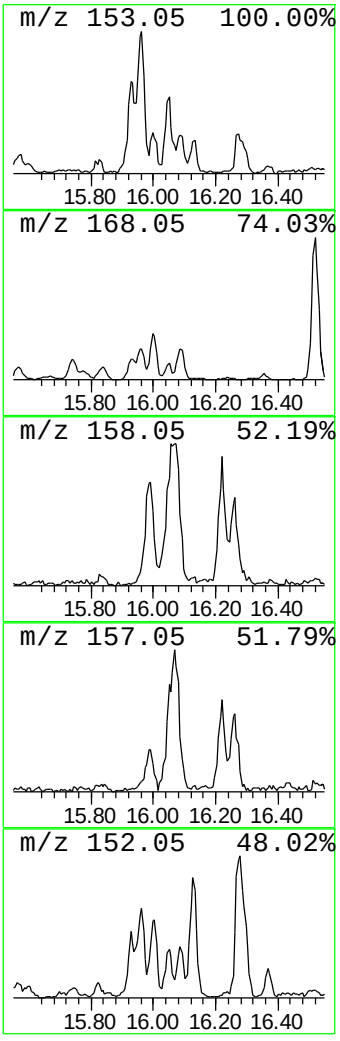
Peak Number 25 unknown-02 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	4.88 ng/ul	569319	Acenaphthene-d10	14.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	43
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	43
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	38
4	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	35
5	1-Hydroxy-4-methoxyiminomethyl-2...	199	C9H17N3O2	344411-55-8	22





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Sample : H2567-15RE
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7Z1RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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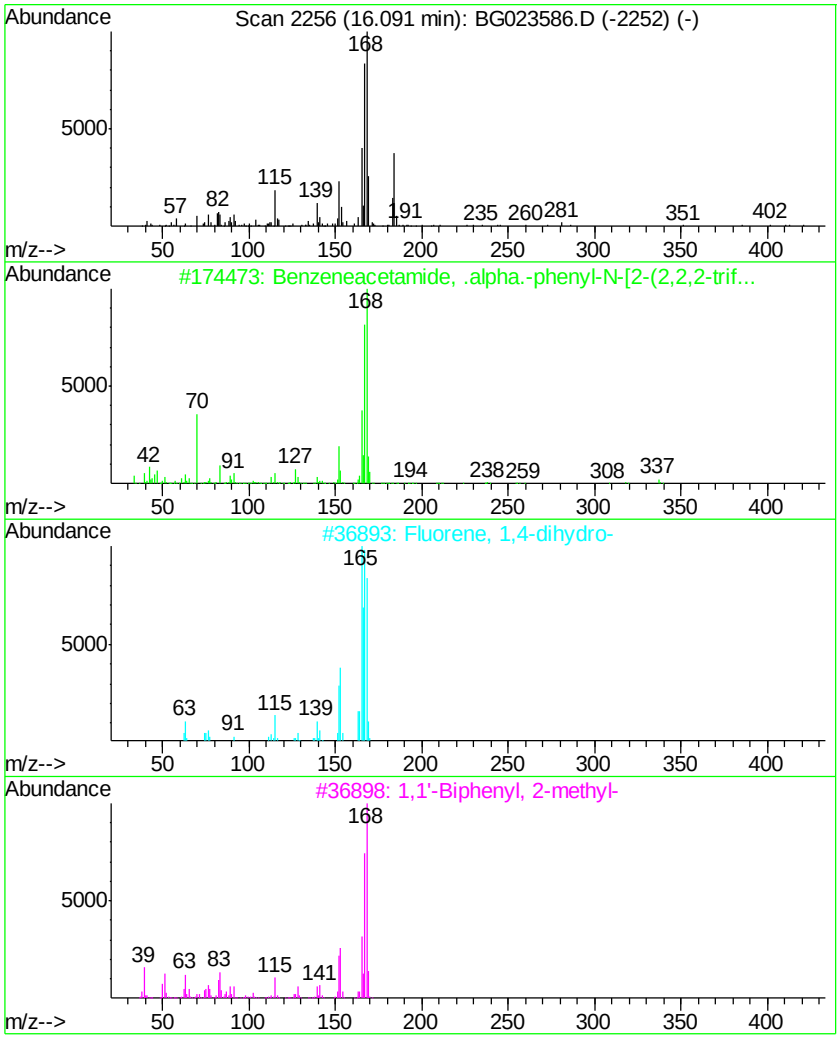
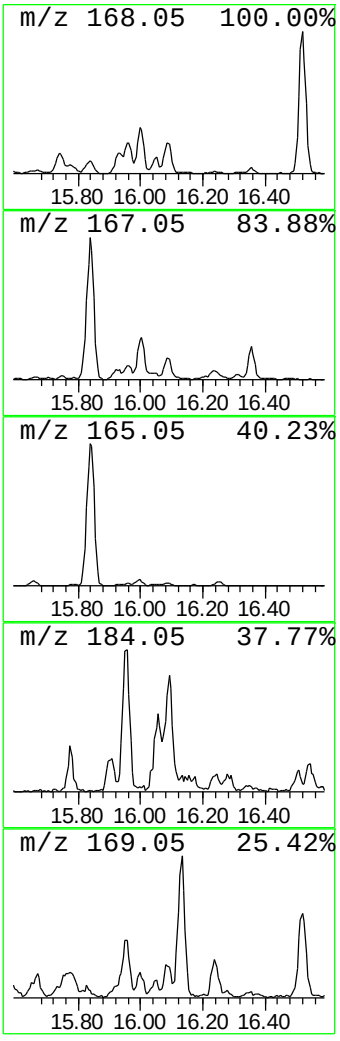
Peak Number 26 Benzeneacetamide, .alpha.-p... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	5.08 ng/ul	592225	Acenaphthene-d10	14.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetamide, .alpha.-phenyl...	337	C18H18F3NO2	1000350-80-6	72
2	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	70
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	58
5	Diphenylmethane	168	C13H12	000101-81-5	58





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Acq On : 10 Aug 2016 10:05
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Sample : H2567-15RE
Misc :
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Instrument : BNA_G
ClientSampleId : BC7Z1RE

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Quant Title : SVOA CALIBRATION

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

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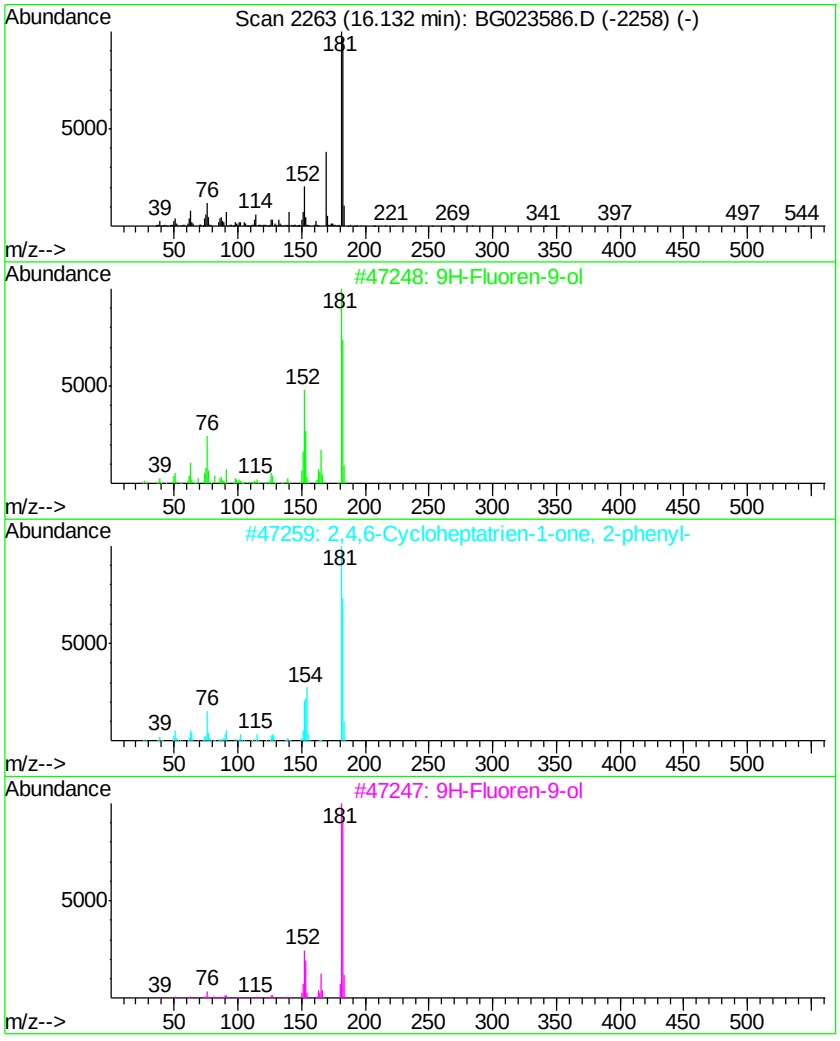
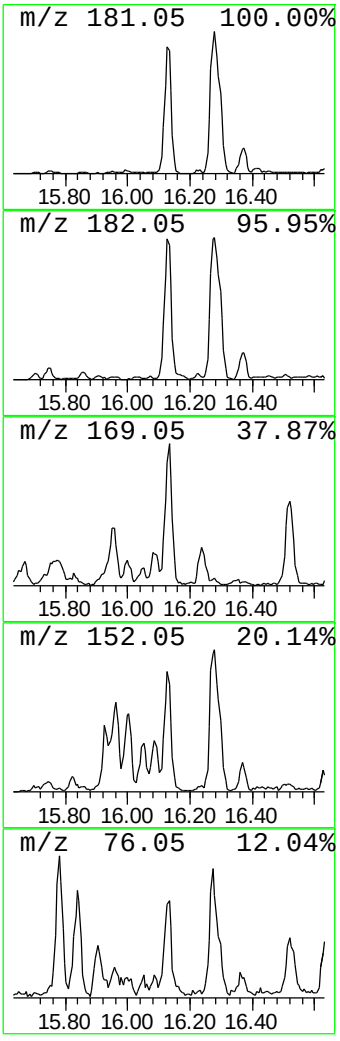
Peak Number 27 9H-Fluoren-9-ol Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.13	12.25 ng/ul	1427560	Acenaphthene-d10	14.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	64
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	59





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Sample : H2567-15RE
Misc :
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Quant Title : SVOA CALIBRATION

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

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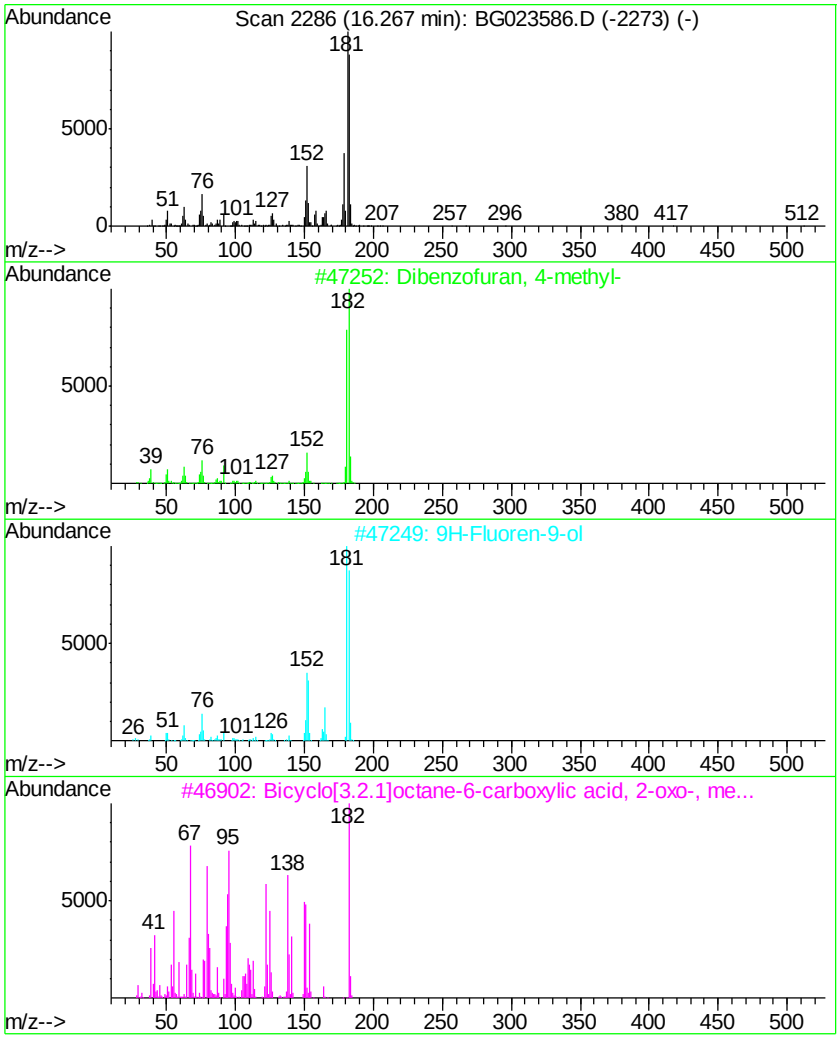
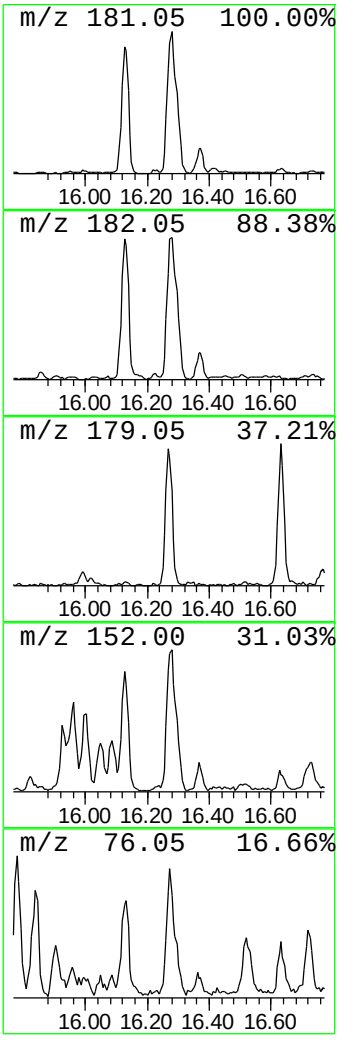
Peak Number 28 Dibenzofuran, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.27	16.10 ng/ul	2153090	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	81
3	Bicyclo[3.2.1]octane-6-carboxyli...	182	C10H14O3	1000362-16-3	78
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	74
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	68





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Acq On : 10 Aug 2016 10:05
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Sample : H2567-15RE
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7Z1RE

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Quant Title : SVOA CALIBRATION

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

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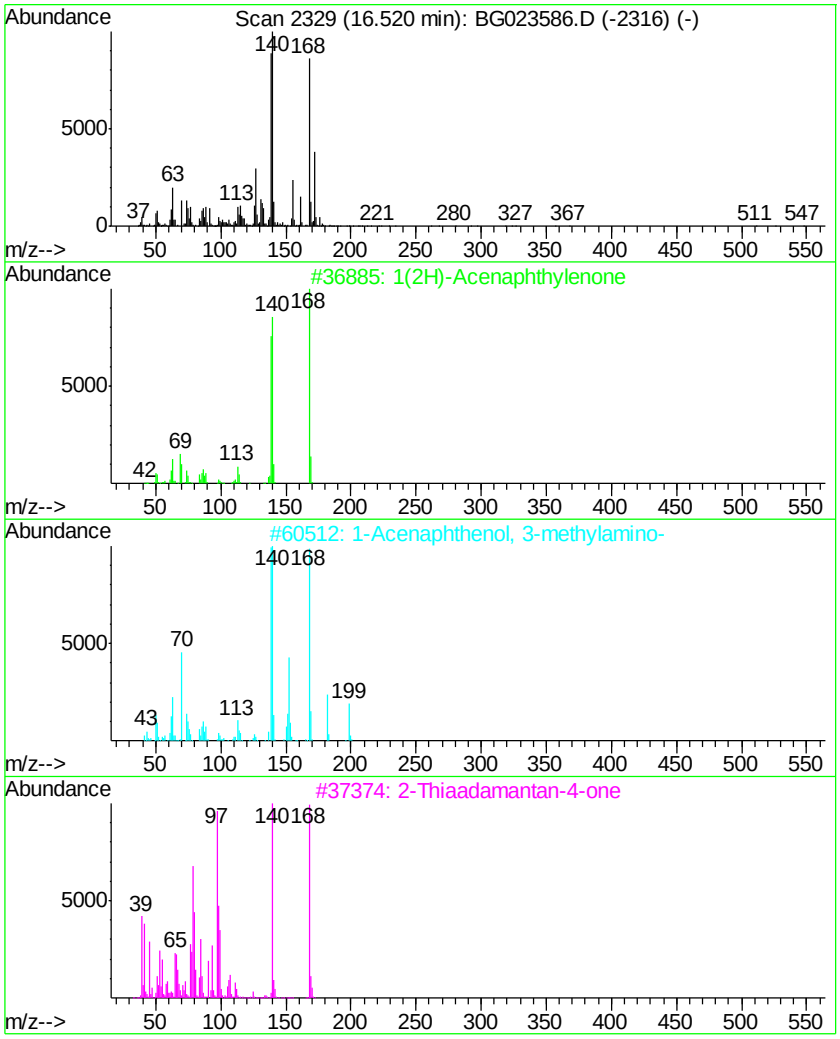
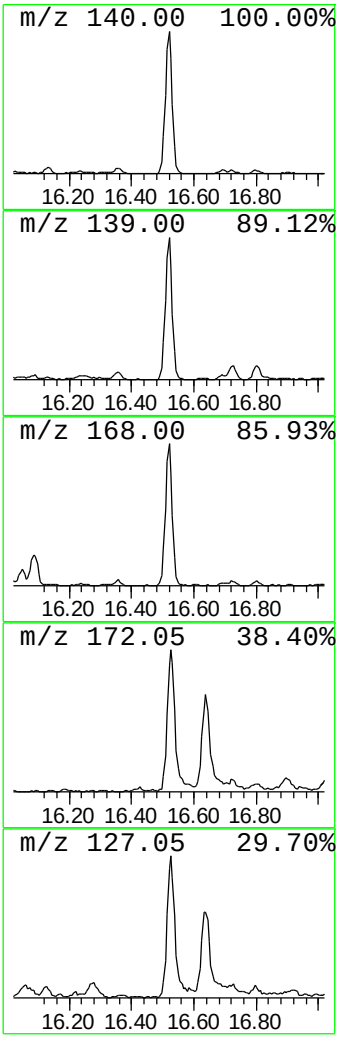
Peak Number 29 1(2H)-Acenaphthylenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	31.94 ng/ul	4272590	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	97
2	1-Acenaphthenol, 3-methylamino-	199	C13H13NO	1000129-22-6	58
3	2-Thiaadamantan-4-one	168	C9H12OS	036223-95-7	35
4	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	22
5	Dibenzofuran	168	C12H8O	000132-64-9	20





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080916\
Data File : BG023586.D
Acq On : 10 Aug 2016 10:05
Operator : UM/SJ
Sample : H2567-15RE
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7Z1RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

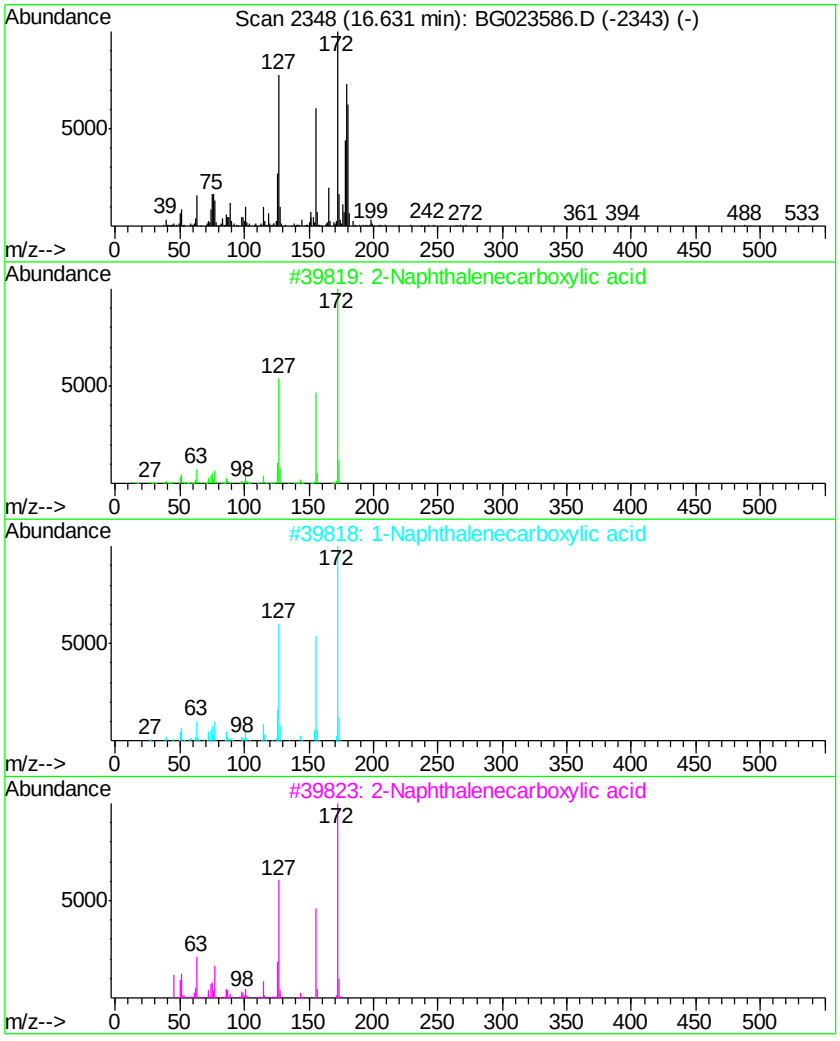
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

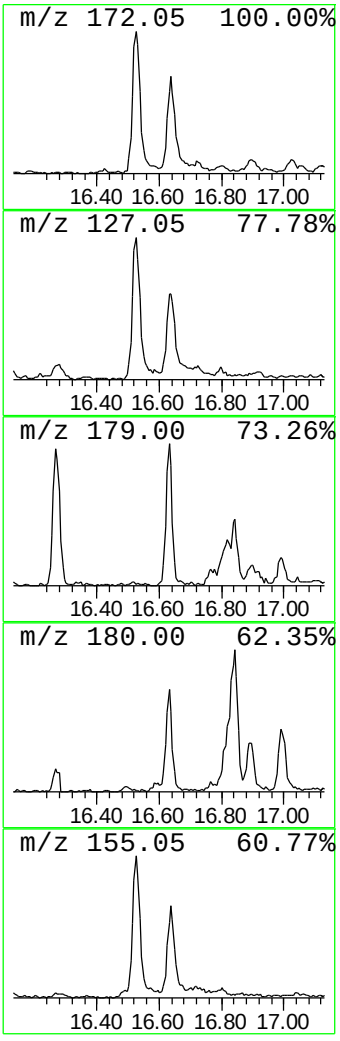
****

Peak Number 30 2-Naphthalenecarboxylic acid Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	6.25 ng/ul	836336	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarboxylic acid	172	C11H8O2	000093-09-4	50
2	1-Naphthalenecarboxylic acid	172	C11H8O2	000086-55-5	50
3	2-Naphthalenecarboxylic acid	172	C11H8O2	000093-09-4	50
4	2-Naphthalenecarboxylic acid	172	C11H8O2	000093-09-4	50
5	2-Naphthalenecarboxylic acid	172	C11H8O2	000093-09-4	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080916\
Data File : BG023586.D
Acq On : 10 Aug 2016 10:05
Operator : UM/SJ
Sample : H2567-15RE
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC7Z1RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA 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...	5.72	21.8	ng/ul	1145110	1	8.11	1050020	20.0
Benzene, 1-ethyl-...	7.18	8.1	ng/ul	422954	1	8.11	1050020	20.0
Benzene, 1,2,3-tr...	7.32	9.0	ng/ul	472385	1	8.11	1050020	20.0
Benzene, 1,2,4-tr...	7.75	30.3	ng/ul	1587980	1	8.11	1050020	20.0
Benzofuran	7.83	23.0	ng/ul	1208520	1	8.11	1050020	20.0
Mesitylene	8.23	11.3	ng/ul	590464	1	8.11	1050020	20.0
Indane	8.49	138.7	ng/ul	7279340	1	8.11	1050020	20.0
Indene	8.66	213.6	ng/ul	11213200	1	8.11	1050020	20.0
2-Propenal, 3-phe...	9.48	24.8	ng/ul	1303510	1	8.11	1050020	20.0
Naphthalene, 1-me...	12.83	2.9	ng/ul	14770700	2	10.97	100921000	20.0
Benzene, (1-ethyl...	13.24	5.9	ng/ul	683330	3	14.79	2331560	20.0
Naphthalene, 2-et...	13.81	11.2	ng/ul	1304890	3	14.79	2331560	20.0
Naphthalene, 1,6-...	13.95	29.1	ng/ul	3387890	3	14.79	2331560	20.0
Naphthalene, 2,6-...	14.10	26.9	ng/ul	3140700	3	14.79	2331560	20.0
Naphthalene, 2,3-...	14.33	9.2	ng/ul	1067920	3	14.79	2331560	20.0
2-Naphthalenecarb...	14.92	31.1	ng/ul	3627840	3	14.79	2331560	20.0
o-Hydroxybiphenyl	15.06	8.3	ng/ul	961556	3	14.79	2331560	20.0
trans-4-Phenyl-3-...	15.30	28.1	ng/ul	3271750	3	14.79	2331560	20.0
Naphthalene, 1,6,...	15.40	4.9	ng/ul	572130	3	14.79	2331560	20.0
Benz[cd]indol-2(1...	15.50	4.2	ng/ul	494843	3	14.79	2331560	20.0
unknown-01	15.96	6.4	ng/ul	741815	3	14.79	2331560	20.0
Nordiphenamid	16.00	9.3	ng/ul	1081660	3	14.79	2331560	20.0
unknown-02	16.05	4.9	ng/ul	569319	3	14.79	2331560	20.0
Benzeneacetamide,...	16.09	5.1	ng/ul	592225	3	14.79	2331560	20.0
9H-Fluoren-9-ol	16.13	12.3	ng/ul	1427560	3	14.79	2331560	20.0
Dibenzofuran, 4-m...	16.27	16.1	ng/ul	2153090	4	17.55	2675140	20.0
1(2H)-Acenaphthyl...	16.52	31.9	ng/ul	4272590	4	17.55	2675140	20.0
2-Naphthalenecarb...	16.63	6.3	ng/ul	836336	4	17.55	2675140	20.0