LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112017\
Data File : BM013067.D
Acq On : 21 Nov 2017 05:19
Operator : SJ/JU
Sample : I6489-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE2Y8

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\SOM-EPA-BM111617.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	5.069	325	337	352	rBV	18735944	26506803	100.00%	8.003%
2	5.193	352	358	362	rBV	721157	1006803	3.80%	0.304%
3	5.257	362	369	377	rVB	904997	1394934	5.26%	0.421%
4	6.010	488	497	507	rBV2	418555	1009978	3.81%	0.305%
5	6.222	522	533	537	rVV2	1381666	2996667	11.31%	0.905%
6	6.398	555	563	568	rBV	749046	1352743	5.10%	0.408%
7	6.704	607	615	622	rBV	1841419	2942000	11.10%	0.888%
8	7.057	669	675	679	rVV	984014	1607369	6.06%	0.485%
9	7.110	679	684	688	rVV	710198	1205716	4.55%	0.364%
10	7.275	703	712	722	rVB2	4625916	9530643	35.96%	2.877%
11	7.369	722	728	732	rVV	542059	861795	3.25%	0.260%
12	7.469	741	745	751	rVB	967425	1398822	5.28%	0.422%
13	7.598	760	767	777	rVB2	863862	1644320	6.20%	0.496%
14	7.716	777	787	789	rBV2	1068524	2184494	8.24%	0.660%
15	7.751	789	793	798	rVV	1098269	1834614	6.92%	0.554%
16	7.916	815	821	831	rBV2	1252301	1944404	7.34%	0.587%
17	8.081	841	849	855	rBV2	1190478	2385512	9.00%	0.720%
18	8.139	855	859	865	rVB	1240212	1848305	6.97%	0.558%
19	8.334	887	892	902	rVV2	1412473	3029149	11.43%	0.915%
20	8.422	902	907	913	rVB	863562	1315024	4.96%	0.397%
21	8.869	977	983	991	rVV	1267705	2420057	9.13%	0.731%
22	8.951	991	997	1004	rVB5	431355	1035383	3.91%	0.313%
23	9.034	1004	1011	1016	rBV	4303401	6265614	23.64%	1.892%
24	9.222	1036	1043	1047	rBV2	472398	893543	3.37%	0.270%
25	9.339	1057	1063	1068	rBV2	547494	981703	3.70%	0.296%
26	9.581	1098	1104	1118	rVB3	1209712	2645017	9.98%	0.799%
27	9.745	1126	1132	1141	rBV6	334323	1042422	3.93%	0.315%
28	9.916	1149	1161	1169	rVB6	915406	2564935	9.68%	0.774%
29	10.045	1169	1183	1189	rBV6	532498	1221468	4.61%	0.369%
30	10.122	1189	1196	1202	rVB	1698355	2835318	10.70%	0.856%
31	10.492	1253	1259	1264	rBV	1328793	2250489	8.49%	0.679%
32	10.663	1282	1288	1293	rVB3	540934	1015599	3.83%	0.307%
33	10.904	1318	1329	1336	rVB2	1001896	2107186	7.95%	0.636%
34	11.086	1351	1360	1370	rBV	818272	1752210	6.61%	0.529%

LSC Area Percent Report

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Sample : I6489-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE2Y8

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\SOM-EPA-BM111617.M
Title : SVOA CALIBRATION

35	11.186	1371	1377	1382	rBV	873578	1556234	5.87%	0.470%
36	11.510	1426	1432	1438	rBV4	427466	942994	3.56%	0.285%
37	11.851	1481	1490	1498	rBV	4307017	6932599	26.15%	2.093%
38	12.486	1592	1598	1603	rVV2	694681	1272556	4.80%	0.384%
39	12.604	1613	1618	1624	rBV3	759582	1428205	5.39%	0.431%
40	12.769	1638	1646	1652	rVB2	632962	1380618	5.21%	0.417%
41	12.910	1663	1670	1678	rVB	4990832	8195500	30.92%	2.474%
42	13.092	1695	1701	1706	rBV3	457046	878796	3.32%	0.265%
43	13.433	1755	1759	1764	rVB	653371	1027276	3.88%	0.310%
44	13.616	1786	1790	1793	rVV2	636749	1027726	3.88%	0.310%
45	13.774	1811	1817	1820	rBV	2915115	4834334	18.24%	1.460%
46	13.921	1828	1842	1849	rBV2	6280218	16891306	63.72%	5.100%
47	14.016	1852	1858	1861	rVV	4597067	7075633	26.69%	2.136%
48	14.045	1861	1863	1869	rVB	3272957	3868767	14.60%	1.168%
49	14.145	1874	1880	1884	rBV	1639290	2384700	9.00%	0.720%
50	14.357	1911	1916	1918	rVV2	2826469	4222074	15.93%	1.275%
51	14.398	1918	1923	1931	rVB	14945381	20230364	76.32%	6.108%
52	14.780	1974	1988	1992	rBV	4895932	13071543	49.31%	3.946%
53	14.898	2003	2008	2013	rBV	893753	1330339	5.02%	0.402%
54	15.263	2063	2070	2074	rBV4	701725	1506833	5.68%	0.455%
55	15.310	2074	2078	2080	rVV2	684491	1037418	3.91%	0.313%
56	15.351	2080	2085	2092	rVB2	3926645	6400132	24.15%	1.932%
57	15.468	2100	2105	2110	rVV	1363599	2097966	7.91%	0.633%
58	15.527	2111	2115	2121	rVV2	735908	1223809	4.62%	0.369%
59	15.615	2123	2130	2135	rVV3	2342991	4428658	16.71%	1.337%
60	15.821	2160	2165	2169	rBV	575508	884309	3.34%	0.267%
61	15.874	2169	2174	2183	rVB3	2319917	4649254	17.54%	1.404%
62	15.992	2189	2194	2199	rBV	883674	1233008	4.65%	0.372%
63	16.068	2199	2207	2211	rBV	1404562	2564905	9.68%	0.774%
64	16.145	2216	2220	2224	rVB	1056768	1644028	6.20%	0.496%
65	16.298	2241	2246	2254	rVB	1720257	2557040	9.65%	0.772%
66	16.445	2268	2271	2276	rVV3	549278	1084182	4.09%	0.327%
67	16.498	2276	2280	2290	rVB8	1024147	2358384	8.90%	0.712%
68	16.709	2311	2316	2321	rBV	2243196	3124707	11.79%	0.943%
69	16.839	2333	2338	2347	rVV	2464375	4235078	15.98%	1.279%
70	17.098	2377	2382	2391	rVB2	2476159	3778303	14.25%	1.141%
71	17.198	2393	2399	2407	rBV2	7032295	9478853	35.76%	2.862%

LSC Area Percent Report

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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE2Y8

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Title : SVOA CALIBRATION

72	17.274	2407	2412	2420	rBV2	3206691	4387040	16.55%	1.324%
73	17.374	2421	2429	2435	rVB4	1314287	2430789	9.17%	0.734%
74	17.504	2447	2451	2455	rVB	873995	1139519	4.30%	0.344%
75	17.621	2463	2471	2477	rBV	3513327	6178375	23.31%	1.865%
76	17.798	2495	2501	2505	rBV	1362324	2130634	8.04%	0.643%
77	17.839	2505	2508	2521	rVB2	627808	1420082	5.36%	0.429%
78	18.151	2556	2561	2571	rVV2	3473905	6085016	22.96%	1.837%
79	18.251	2572	2578	2582	rVV2	3153159	5528107	20.86%	1.669%
80	18.309	2582	2588	2593	rVV	4709893	7865230	29.67%	2.375%
81	18.562	2626	2631	2635	rBV	1170137	1587980	5.99%	0.479%
82	18.833	2670	2677	2688	rBV3	1458971	4573812	17.26%	1.381%
83	18.974	2695	2701	2705	rVB2	478418	944086	3.56%	0.285%
84	19.068	2713	2717	2722	rBV	1523625	1950383	7.36%	0.589%
85	19.227	2739	2744	2749	rVB3	735348	1200215	4.53%	0.362%
86	19.492	2784	2789	2795	rVB	3606218	4914118	18.54%	1.484%
87	19.556	2795	2800	2809	rBV	2728546	3785809	14.28%	1.143%
88	19.727	2825	2829	2833	rBV	802169	1010578	3.81%	0.305%
89	19.803	2838	2842	2847	rBV	945344	1312136	4.95%	0.396%
90	19.921	2858	2862	2866	rBV	691649	1024672	3.87%	0.309%
91	19.968	2866	2870	2873	rBV	1140591	1463414	5.52%	0.442%
92	20.015	2873	2878	2881	rBV2	1228276	2727297	10.29%	0.823%
93	20.103	2888	2893	2897	rBV2	1115115	1555294	5.87%	0.470%
94	20.992	3040	3044	3052	rVB	1217143	1479649	5.58%	0.447%
95	21.280	3089	3093	3097	rBV	1995326	2599419	9.81%	0.785%
96	21.415	3114	3116	3120	rVV	774678	976268	3.68%	0.295%
97	21.462	3120	3124	3128	rVV	2789689	3286908	12.40%	0.992%
98	21.509	3128	3132	3136	rVV	1157748	1390937	5.25%	0.420%
99	23.374	3442	3449	3455	rBV	2211196	4025211	15.19%	1.215%
100	23.515	3466	3473	3484	rVB	1242299	2388193	9.01%	0.721%

Sum of corrected areas: 331230641

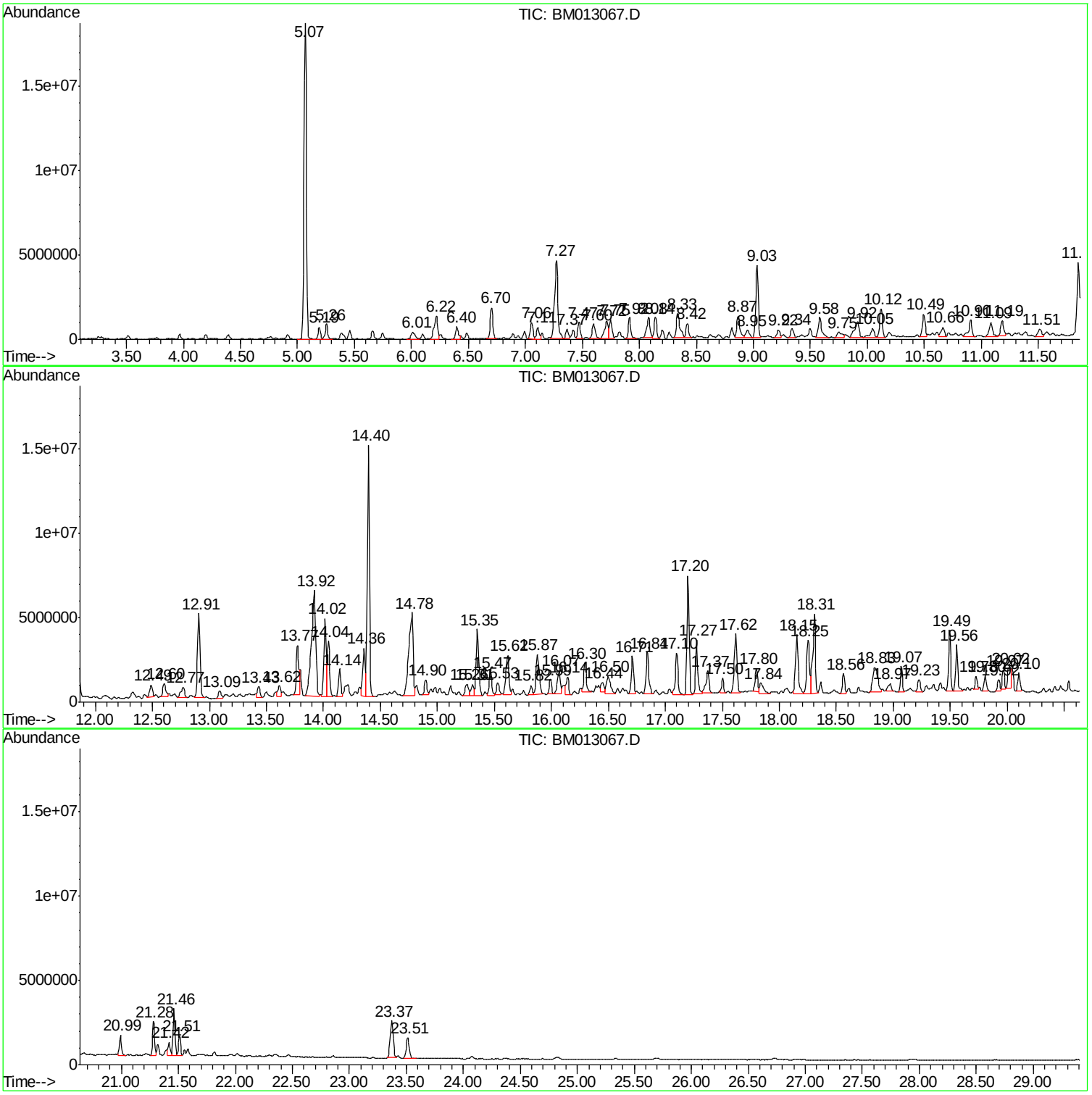
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112017\
Data File : BM013067.D
Acq On : 21 Nov 2017 05:19
Operator : SJ/JU
Sample : I6489-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE2Y8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM112017\
Data File : BM013067.D
Acq On : 21 Nov 2017 05:19
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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

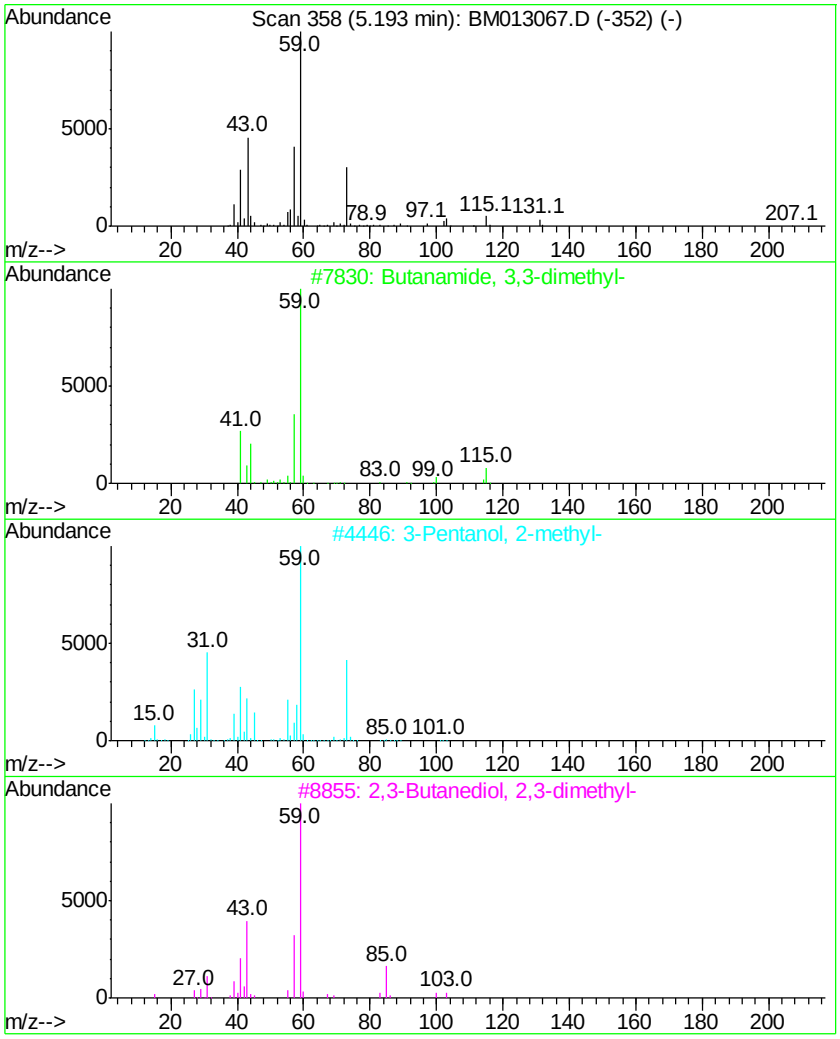
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

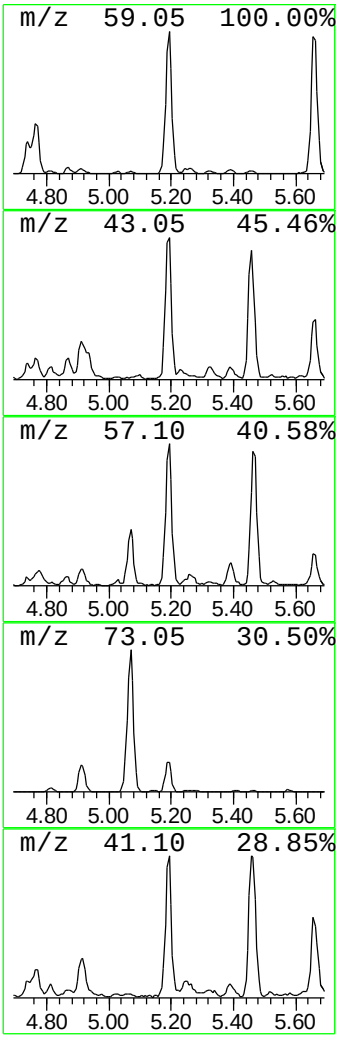
****

Peak Number 2 Butanamide, 3,3-dimethyl- Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.19	9.22 ng/ul	1006800	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanamide, 3,3-dimethyl-	115	C6H13NO	000926-04-5	53
2	3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	50
3	2,3-Butanediol, 2,3-dimethyl-	118	C6H14O2	000076-09-5	42
4	3-Hexanol	102	C6H14O	000623-37-0	39
5	2-Hexanol, 2,5-dimethyl-, (S)-	130	C8H18O	003730-60-7	36





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112017\
Data File : BM013067.D
Acq On : 21 Nov 2017 05:19
Operator : SJ/JU
Sample : I6489-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE2Y8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

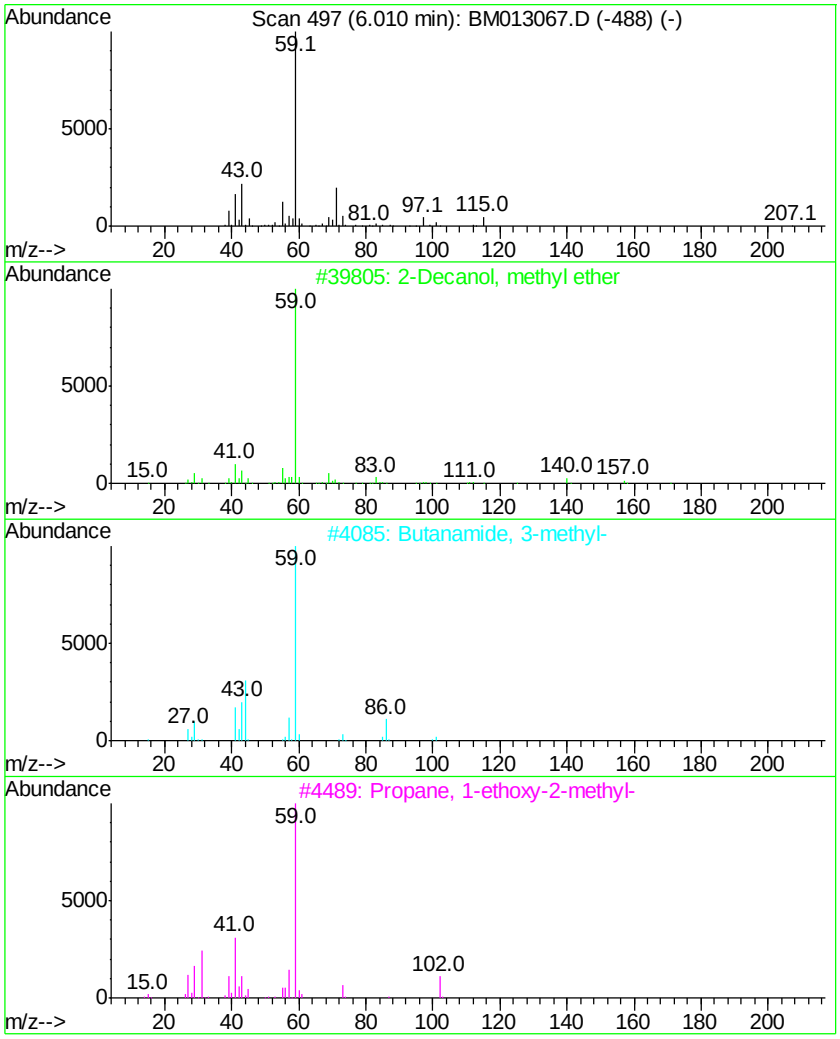
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

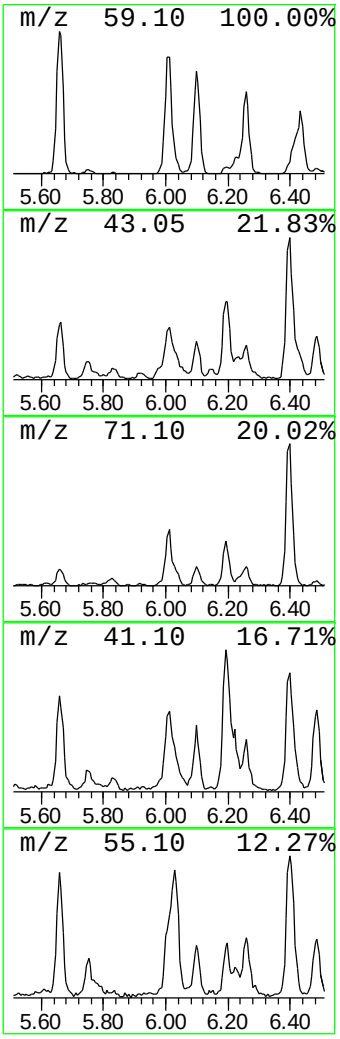
****

Peak Number 4 2-Decanol, methyl ether Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.01	9.25 ng/ul	1009980	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Decanol, methyl ether	172	C11H24O	1000333-83-9	53
2	Butanamide, 3-methyl-	101	C5H11NO	000541-46-8	50
3	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	50
4	2-Hexanol, 2,5-dimethyl-, (S)-	130	C8H18O	003730-60-7	50
5	2-Hexanol, 2,3-dimethyl-	130	C8H18O	019550-03-9	45





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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

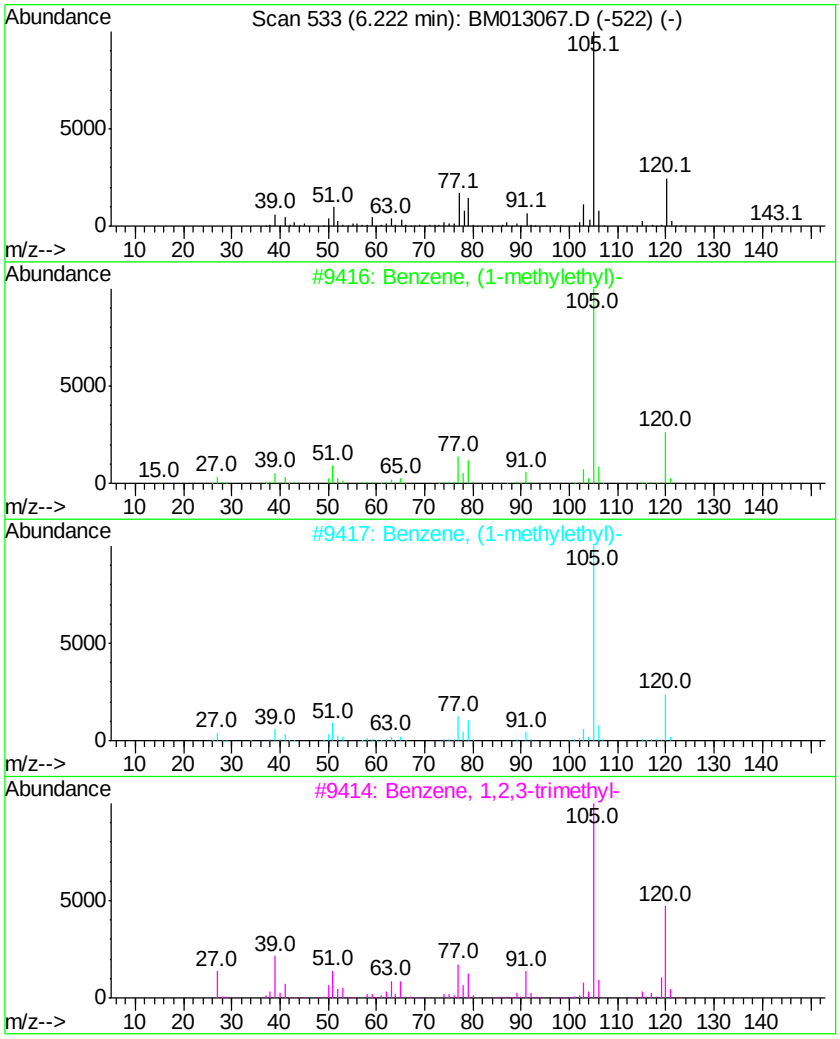
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

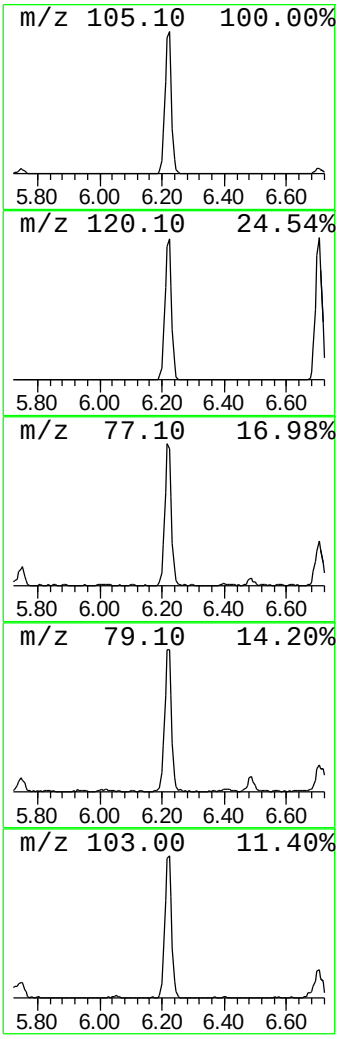
****

Peak Number 5 Benzene, (1-methylethyl)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.22	27.44 ng/ul	2996670	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	94
2	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	90
5	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	81





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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

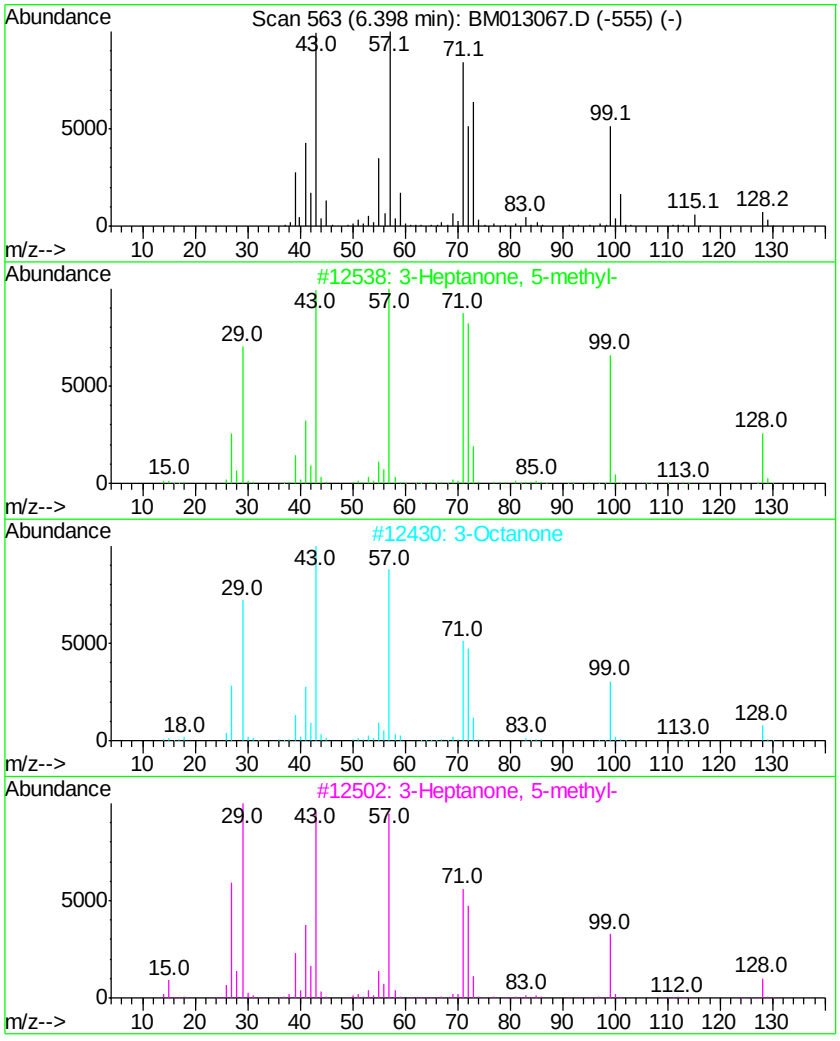
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

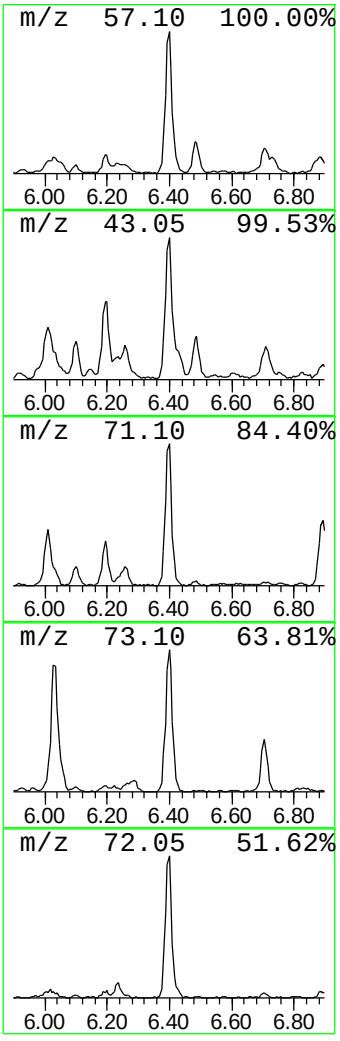
****

Peak Number 6 3-Heptanone, 5-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.40	12.39 ng/ul	1352740	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptanone, 5-methyl-	128	C8H16O	000541-85-5	58
2	3-Octanone	128	C8H16O	000106-68-3	49
3	3-Heptanone, 5-methyl-	128	C8H16O	000541-85-5	46
4	Pyrrolidine-2,4-dione	99	C4H5NO2	037772-89-7	43
5	1,2,3-Thiadiazole, 5-methyl-	100	C3H4N2S	050406-54-7	43





Data Path : Z:\HPCHEM1\BNA M\DATA\BM112017\
Data File : BM013067.D
Acq On : 21 Nov 2017 05:19
Operator : SJ/JU
Sample : I6489-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE2Y8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

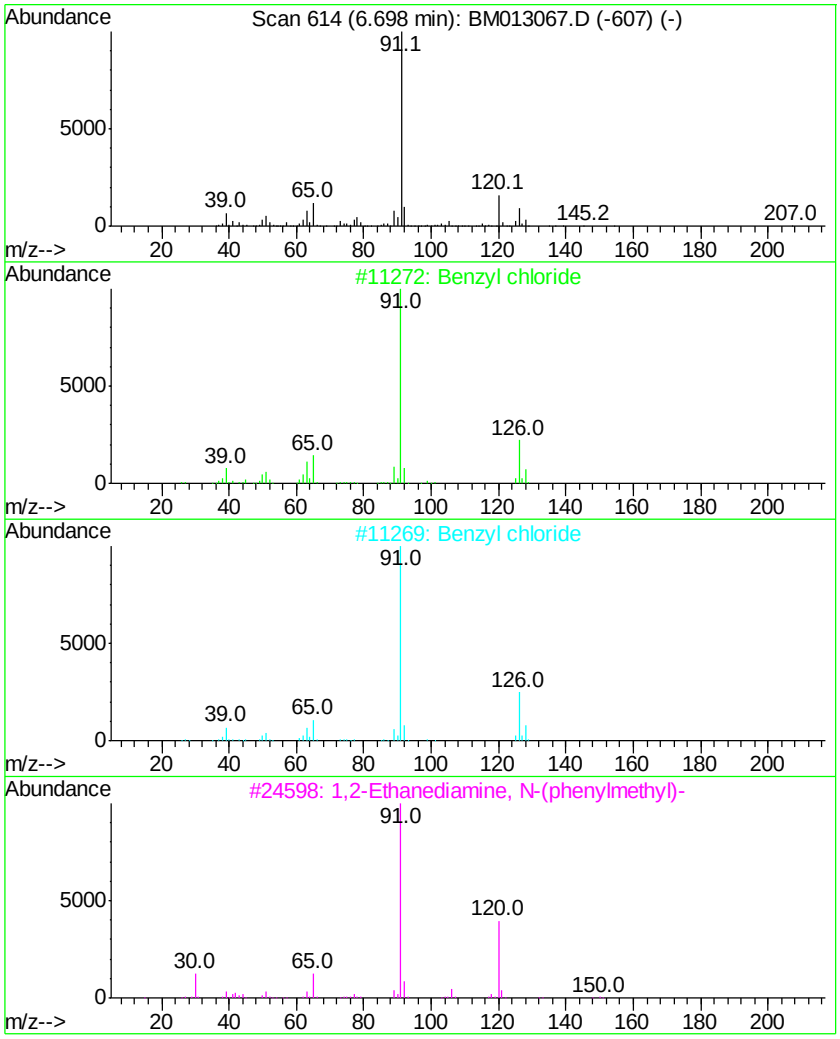
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

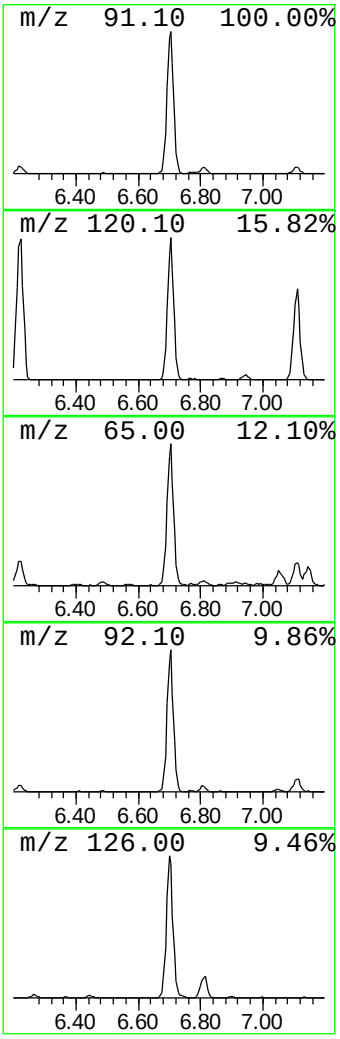
****

Peak Number 7 Benzyl chloride Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.70	26.94 ng/ul	2942000	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzyl chloride	126	C7H7Cl	000100-44-7	81
2	Benzyl chloride	126	C7H7Cl	000100-44-7	74
3	1,2-Ethanediamine, N-(phenylmeth...	150	C9H14N2	004152-09-4	64
4	Benzene, propyl-	120	C9H12	000103-65-1	62
5	Benzeneacetaldehyde	120	C8H8O	000122-78-1	53





Library Search Compound Report

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Acq On : 21 Nov 2017 05:19
Operator : SJ/JU
Sample : I6489-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE2Y8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

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

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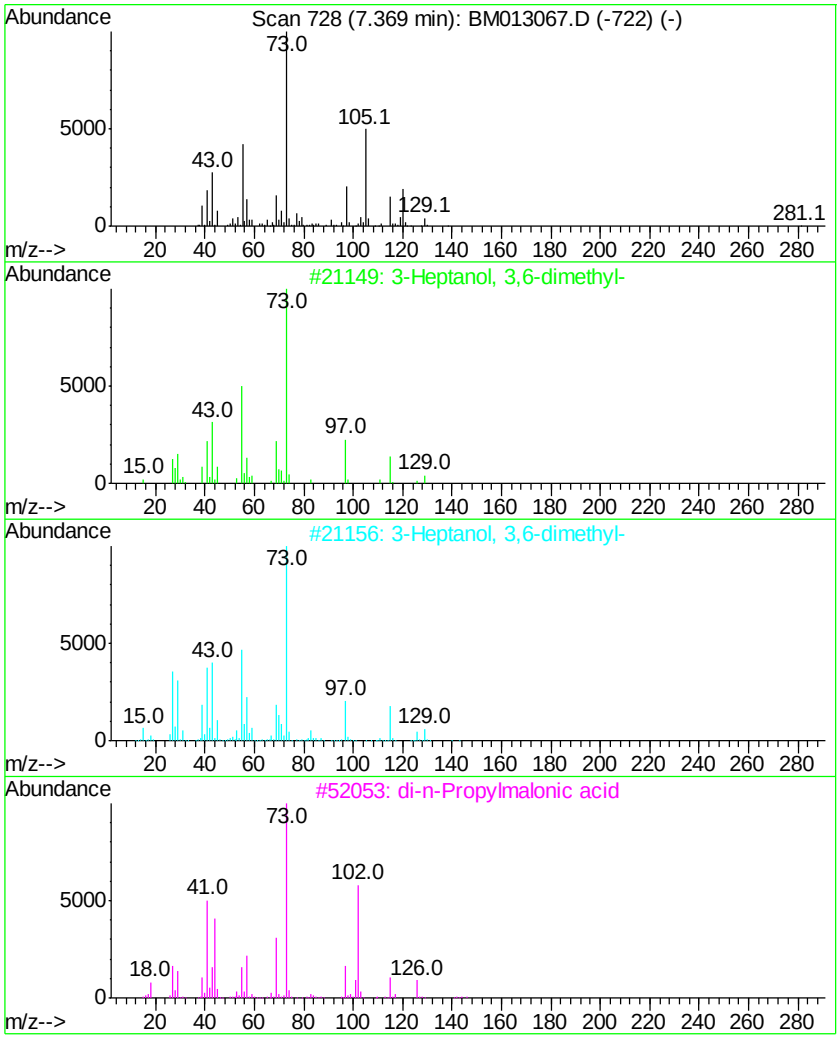
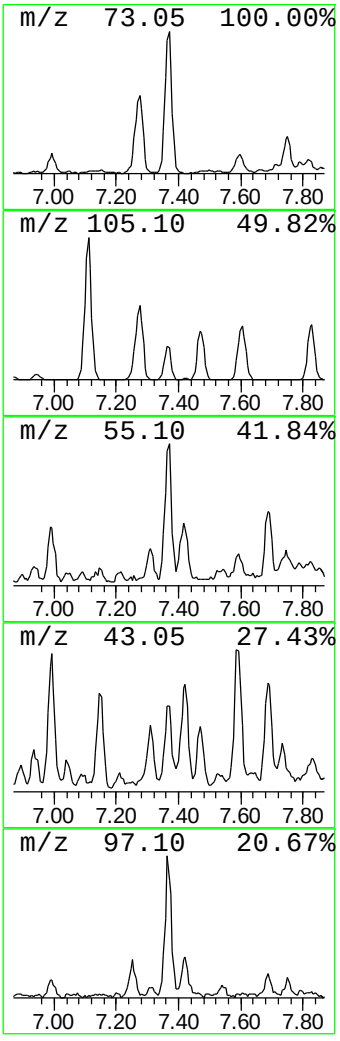
Peak Number 8 unknown-01 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.37	7.89 ng/ul	861795	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptanol, 3,6-dimethyl-	144	C9H20O	001573-28-0	43
2	3-Heptanol, 3,6-dimethyl-	144	C9H20O	001573-28-0	38
3	di-n-Propylmalonic acid	188	C9H16O4	001636-27-7	12
4	2-Propyloctanoic acid	186	C11H22O2	031080-41-8	12
5	3-Octanol, 3-methyl-	144	C9H20O	005340-36-3	12





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ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE2Y8

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Quant Title : SVOA CALIBRATION

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

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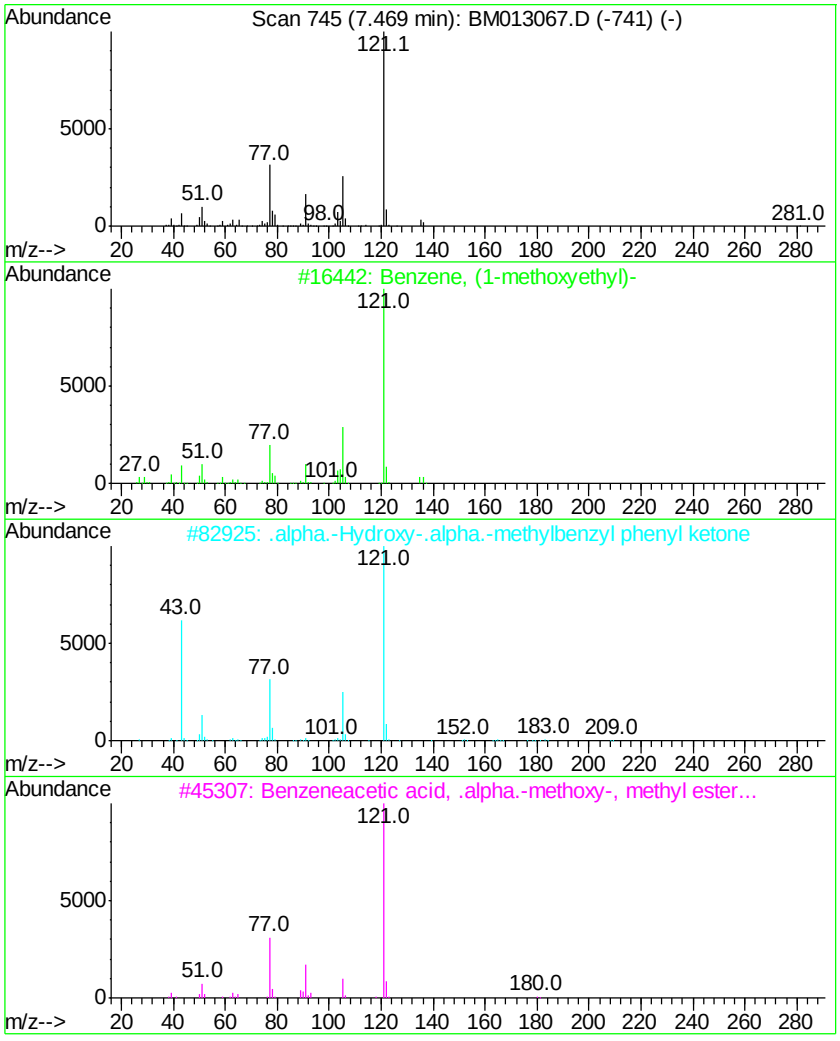
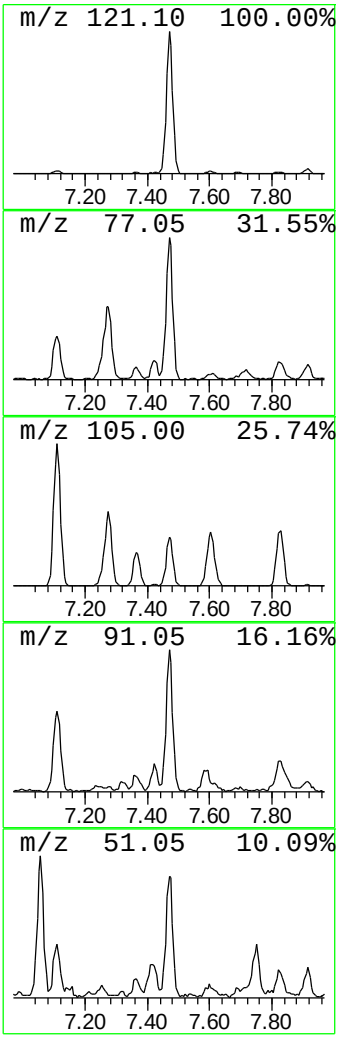
Peak Number 9 Benzene, (1-methoxyethyl)- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	12.81 ng/ul	1398820	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methoxyethyl)-	136	C9H12O	004013-34-7	90
2	.alpha.-Hydroxy-.alpha.-methylbe...	226	C15H14O2	005623-26-7	72
3	Benzeneacetic acid, .alpha.-meth...	180	C10H12O3	056143-21-6	72
4	Benzoin methyl ether	226	C15H14O2	003524-62-7	72
5	Benzaldehyde dimethyl acetal	152	C9H12O2	001125-88-8	72





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ClientSampleId : BE2Y8

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Quant Title : SVOA CALIBRATION

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

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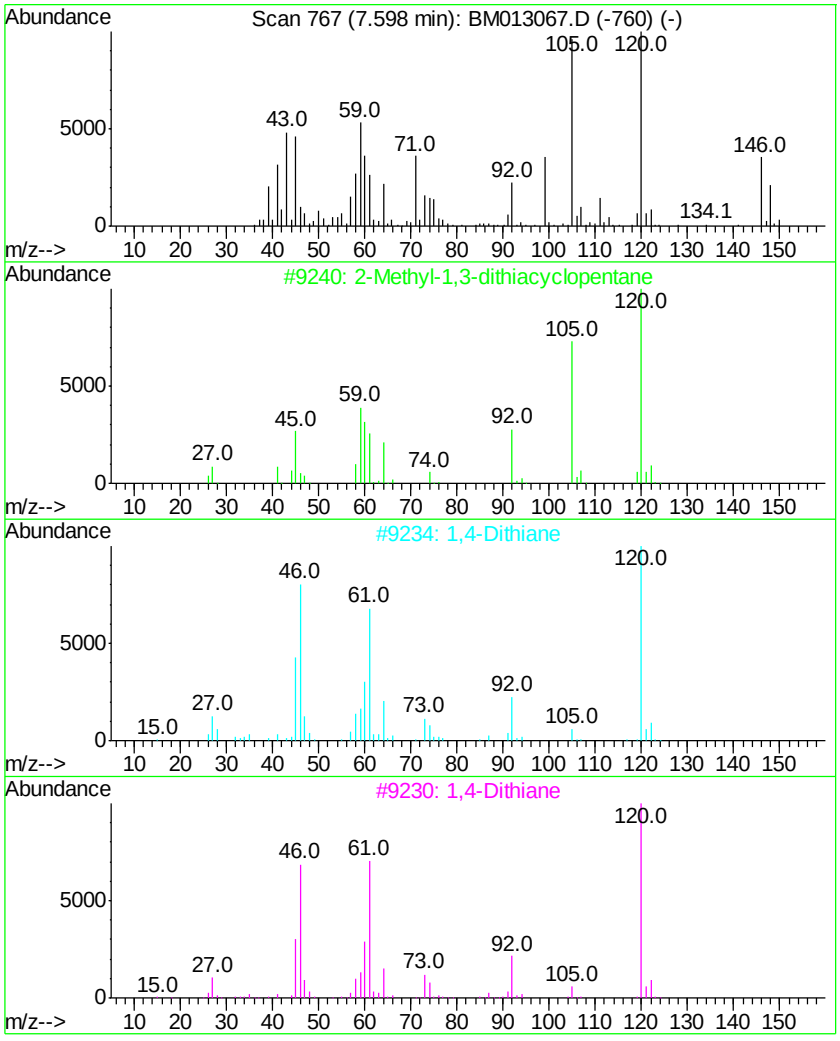
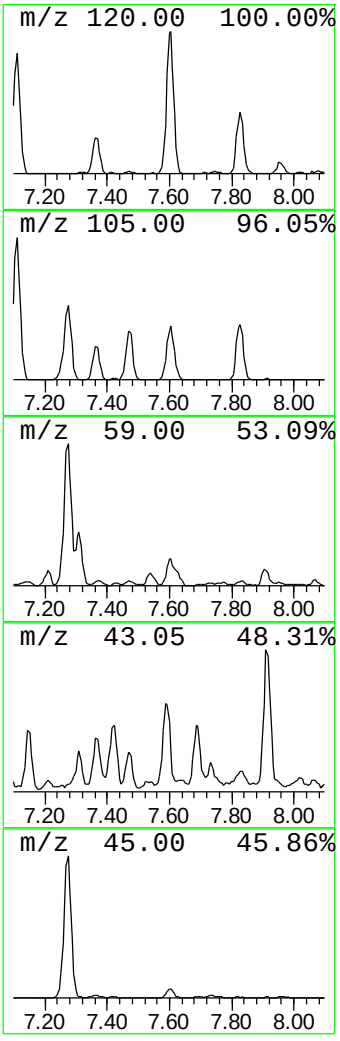
Peak Number 10 2-Methyl-1,3-dithiacyclopen... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	15.05 ng/ul	1644320	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-1,3-dithiacyclopentane	120	C4H8S2	005616-51-3	92
2	1,4-Dithiane	120	C4H8S2	000505-29-3	49
3	1,4-Dithiane	120	C4H8S2	000505-29-3	38
4	Catecholborane	120	C6H5BO2	000274-07-7	35
5	Ethanedithioamide	120	C2H4N2S2	000079-40-3	35





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Sample : I6489-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE2Y8

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Quant Title : SVOA CALIBRATION

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

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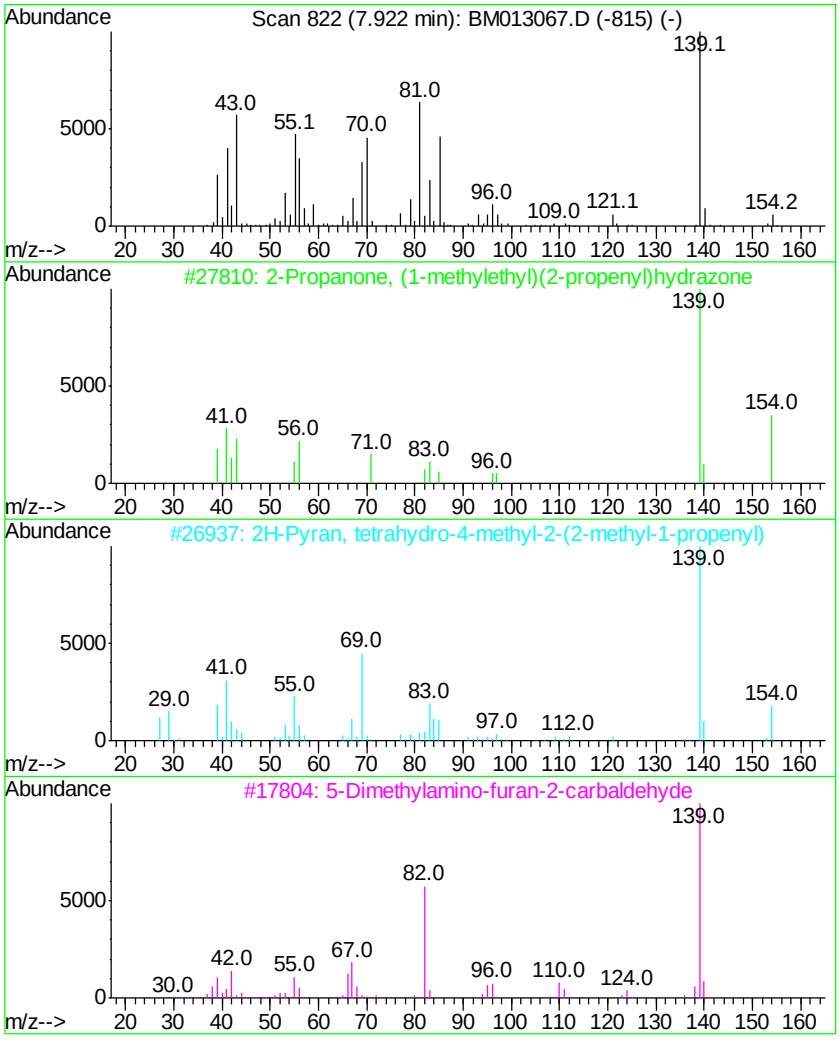
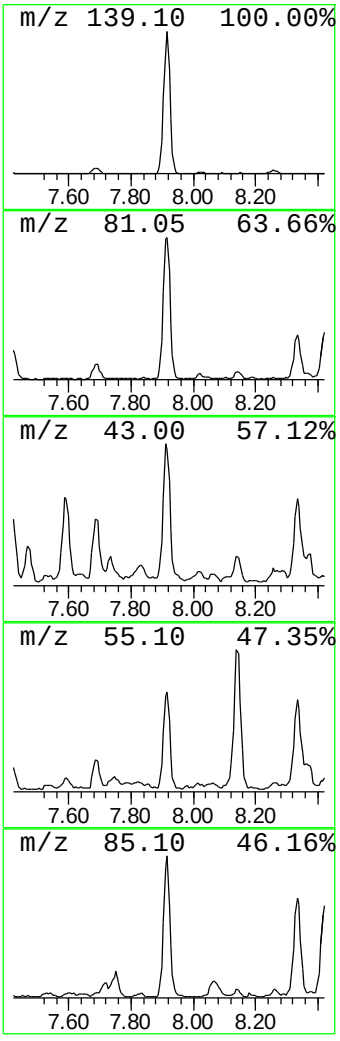
Peak Number 11 unknown-02 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.92	17.80 ng/ul	1944400	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanone, (1-methylethyl)(2-p...	154	C9H18N2	110213-09-7	37
2	2H-Pyran, tetrahydro-4-methyl-2-...	154	C10H18O	016409-43-1	35
3	5-Dimethylamino-furan-2-carbalde...	139	C7H9NO2	1000317-69-8	27
4	9-Cyclohexylbicyclo(3.3.1)nonan-...	222	C15H26O	021915-40-2	25
5	Isonicotinic acid N-oxide	139	C6H5NO3	013602-12-5	22





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Instrument : BNA_M
ClientSampleId : BE2Y8

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Quant Title : SVOA CALIBRATION

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

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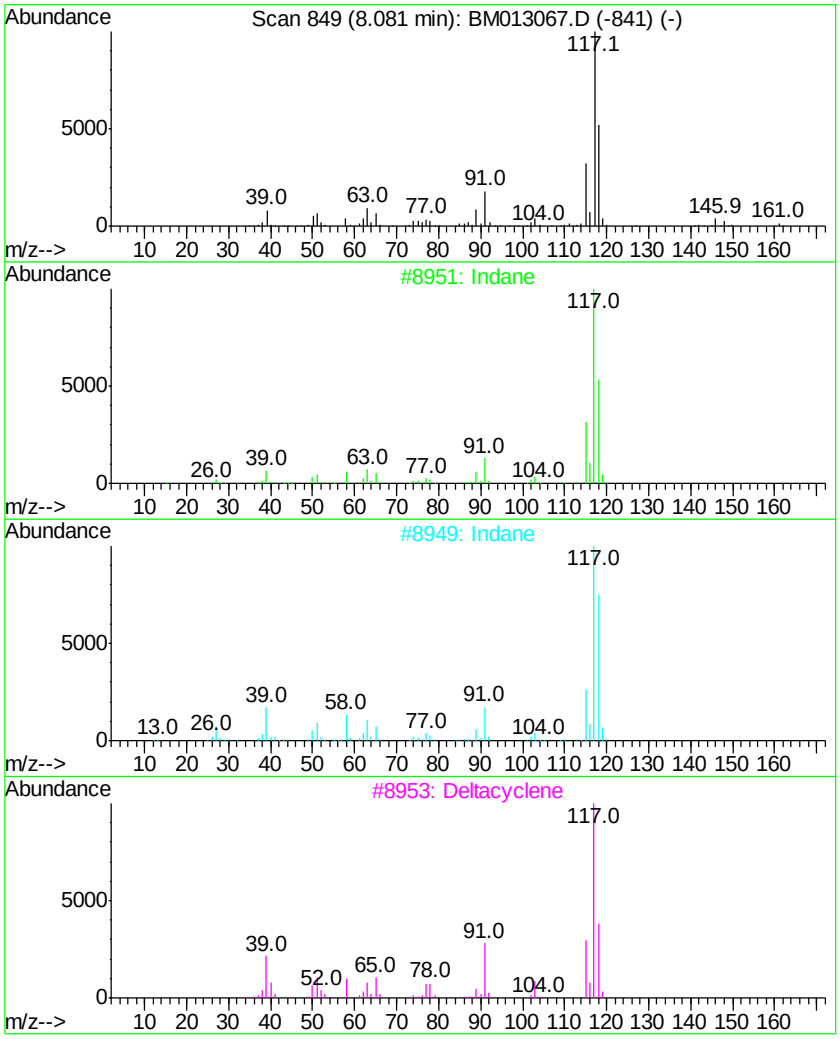
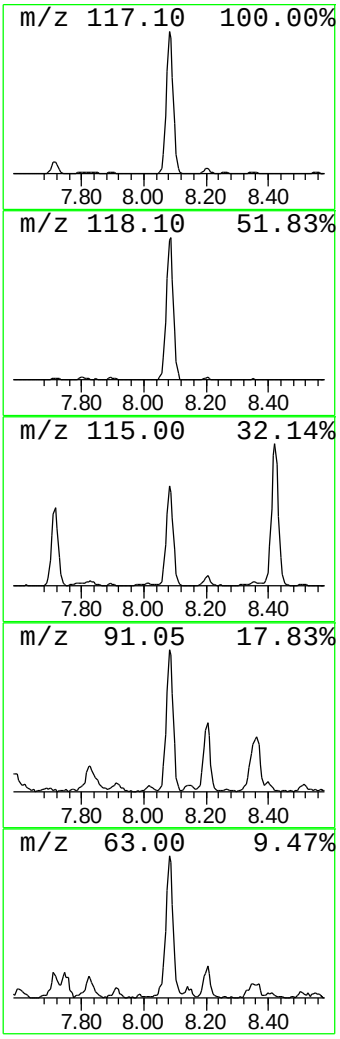
Peak Number 12 Indane Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.08	21.84 ng/ul	2385510	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	81
3	Deltacyclene	118	C9H10	007785-10-6	74
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64





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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE2Y8

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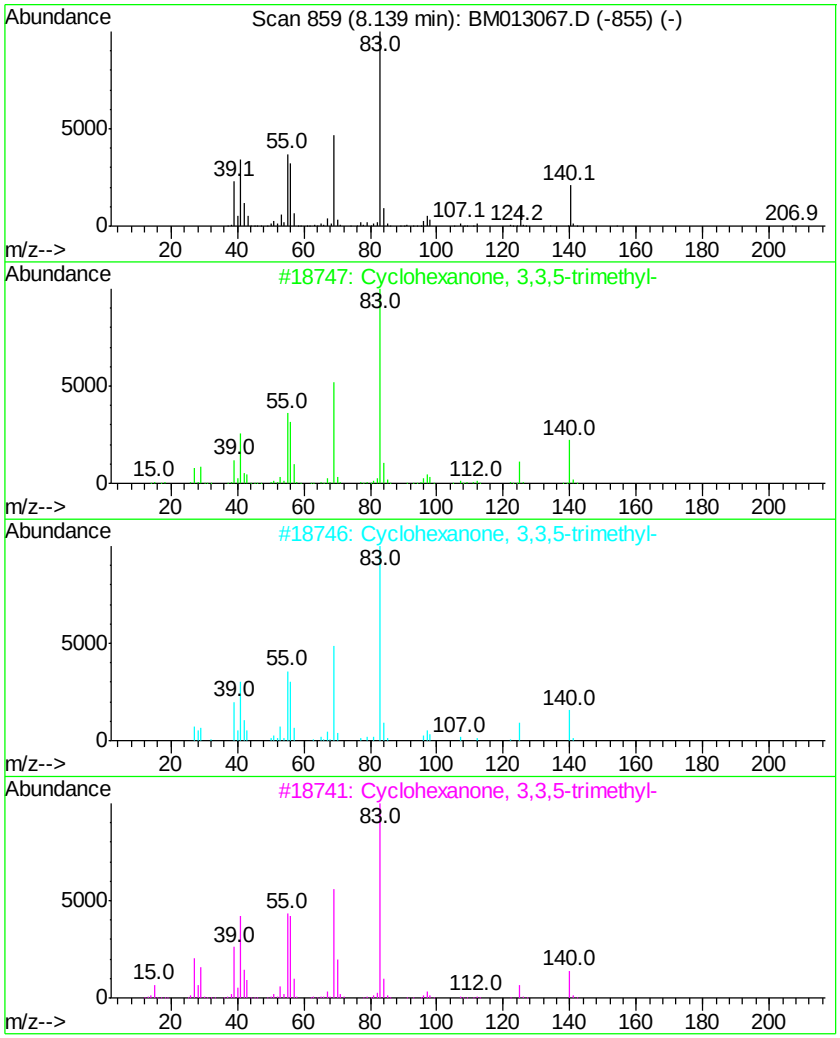
Quant Title : SVOA CALIBRATION

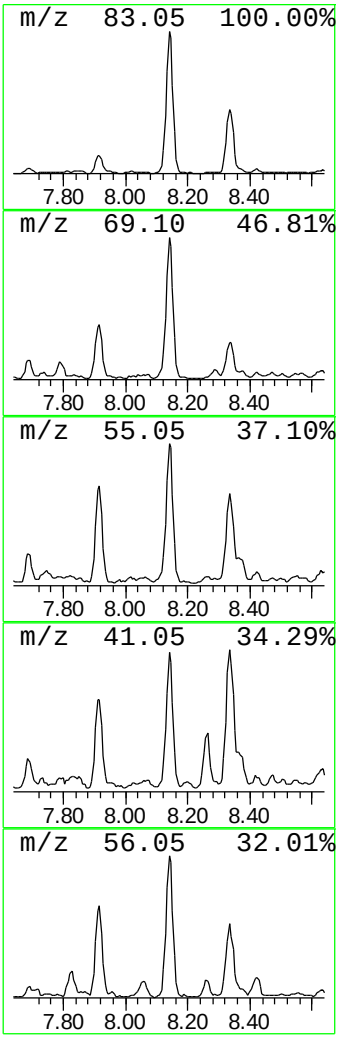
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Cyclohexanone, 3,3,5-trimet... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.14	16.92 ng/ul	1848310	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	96
2	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	95
3	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	91
4	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	86
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	64





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Instrument : BNA_M
ClientSampleId : BE2Y8

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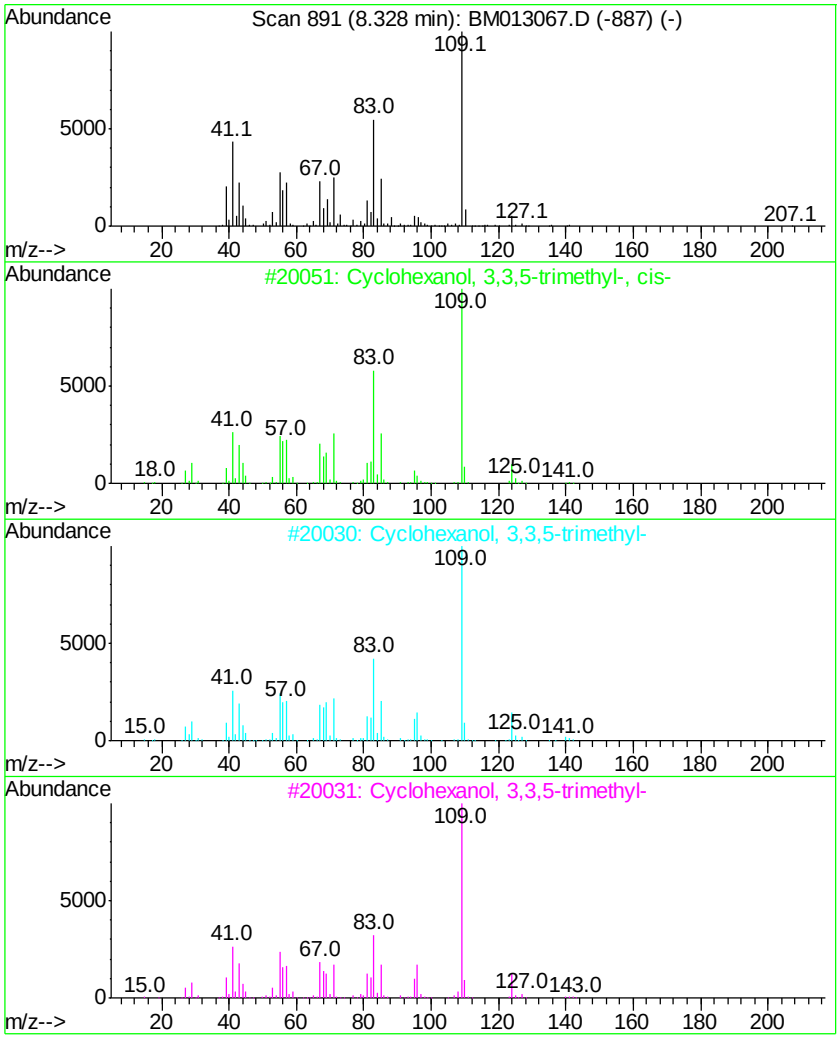
Quant Title : SVOA CALIBRATION

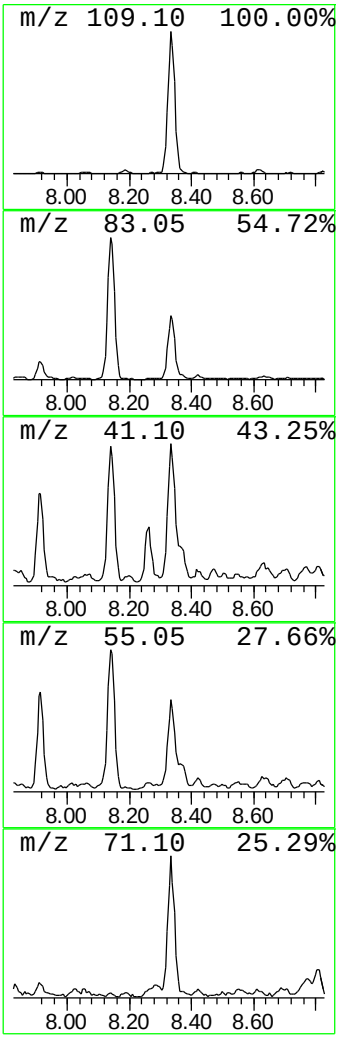
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Cyclohexanol, 3,3,5-trimeth... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	27.73 ng/ul	3029150	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanol, 3,3,5-trimethyl-, ...	142	C9H18O	000933-48-2	90
2	Cyclohexanol, 3,3,5-trimethyl-	142	C9H18O	000116-02-9	64
3	Cyclohexanol, 3,3,5-trimethyl-	142	C9H18O	000116-02-9	45
4	Cyclohexanol, 3,3,5-trimethyl-	142	C9H18O	000116-02-9	38
5	Cyclohexanol, 3,3,5-trimethyl-, ...	184	C11H20O2	024691-16-5	37





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Quant Title : SVOA CALIBRATION

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

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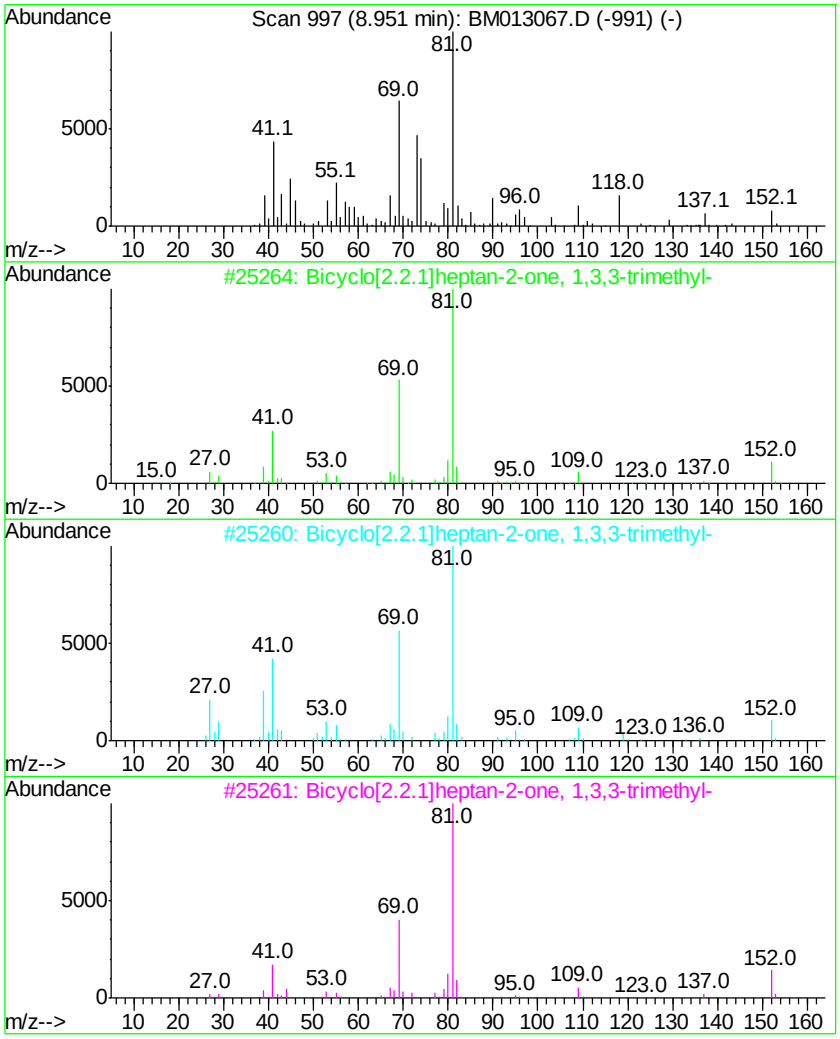
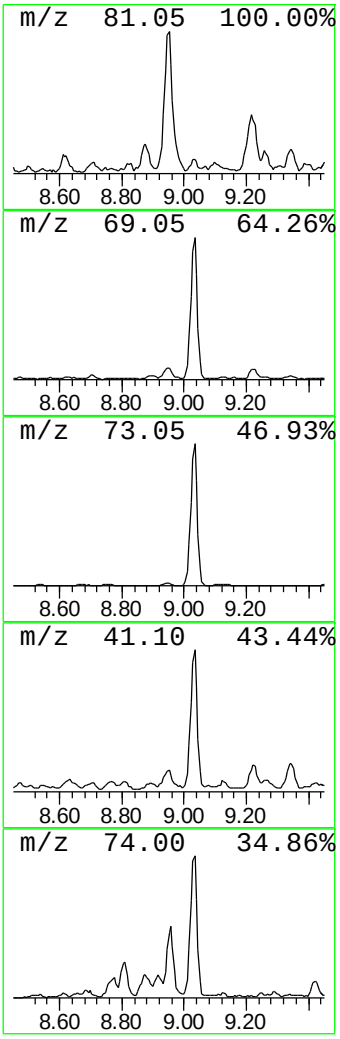
Peak Number 15 unknown-03 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.95	9.48 ng/ul	1035380	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	46
2	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	46
3	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	38
4	2-Cyclopentene-1-carboxylic acid...	140	C8H12O2	068317-73-7	38
5	2-furfuryl 2-oxo-3-pentyl disulfide	230	C10H14O2S2	1000365-96-1	38





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Quant Title : SVOA CALIBRATION

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

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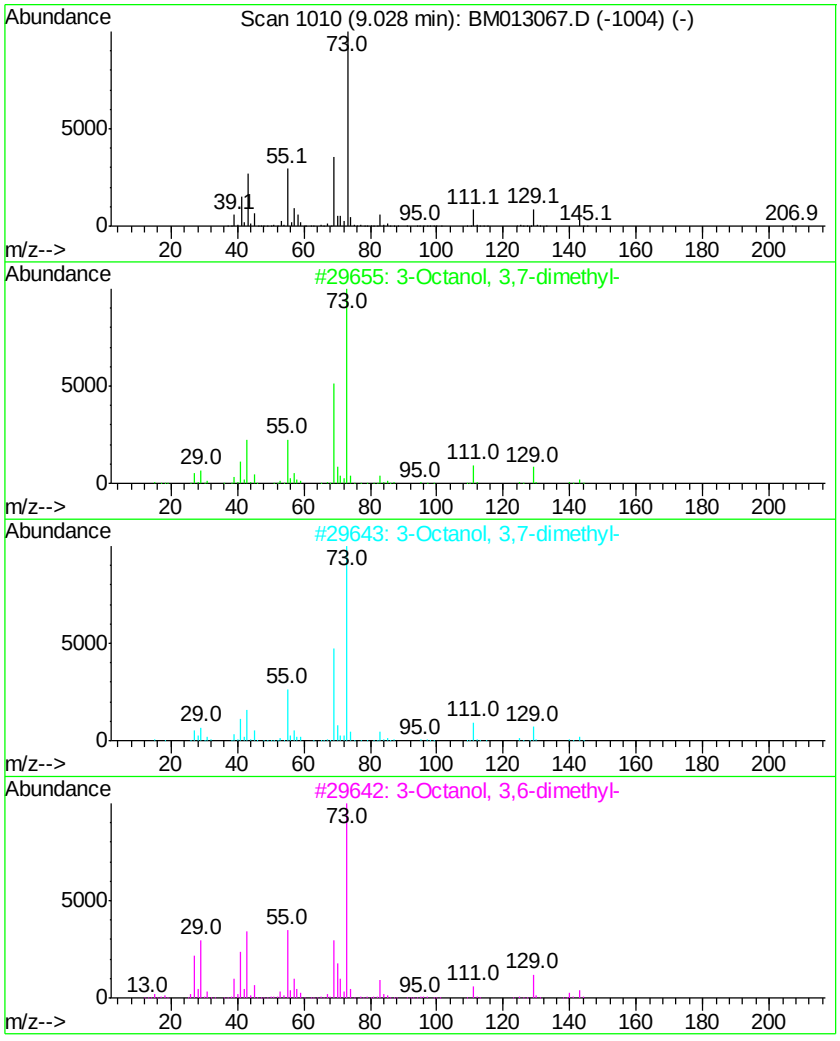
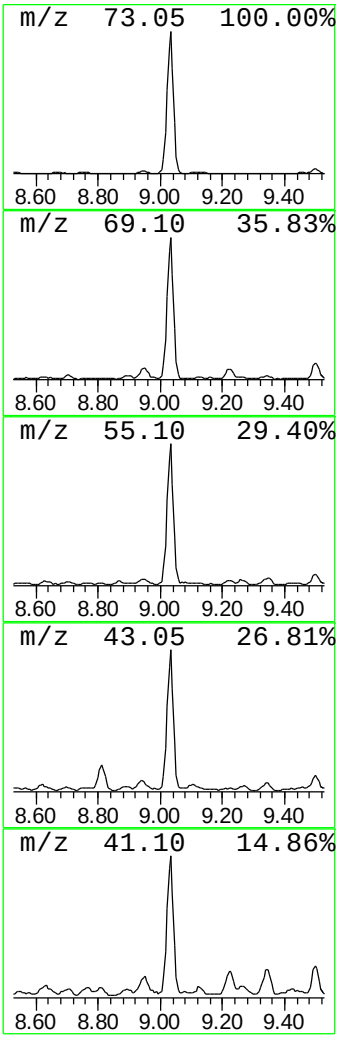
Peak Number 16 3-Octanol, 3,7-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.03	57.36 ng/ul	6265610	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octanol, 3,7-dimethyl-	158	C10H22O	000078-69-3	74
2	3-Octanol, 3,7-dimethyl-	158	C10H22O	000078-69-3	59
3	3-Octanol, 3,6-dimethyl-	158	C10H22O	000151-19-9	56
4	Decane, 3-methoxy-	172	C11H24O	055955-64-1	50
5	3-Nonanol, 3-methyl-	158	C10H22O	021078-72-8	45





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Quant Title : SVOA CALIBRATION

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

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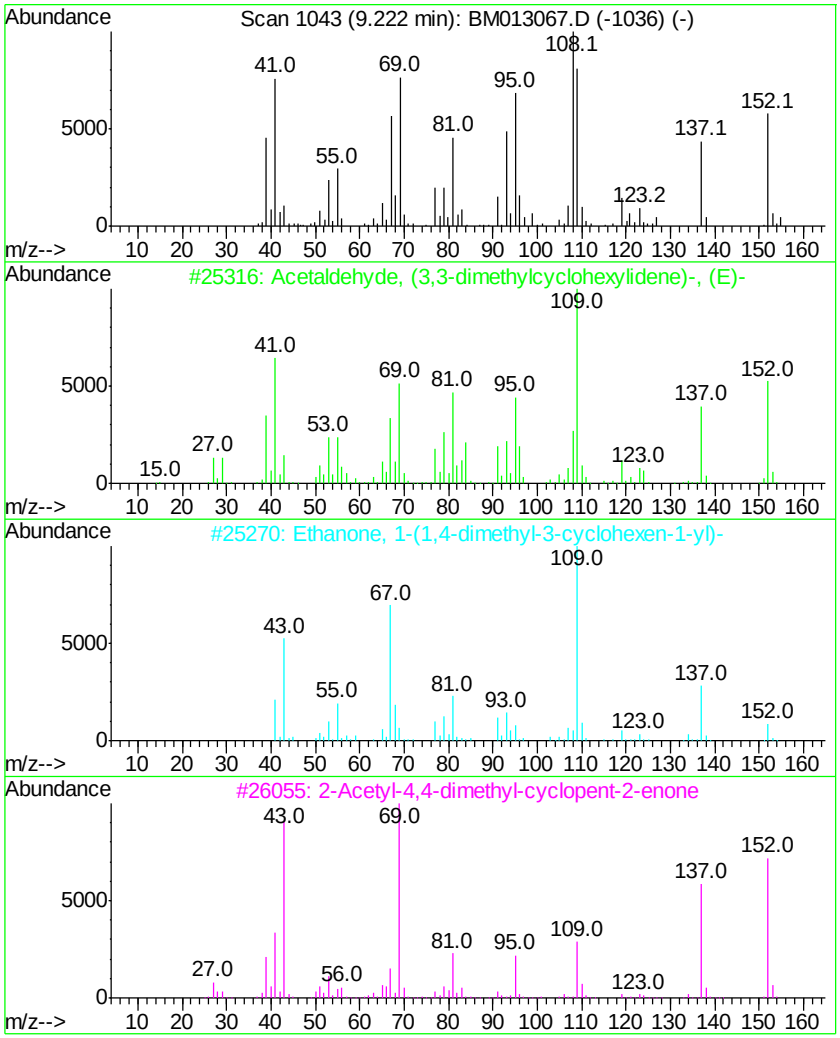
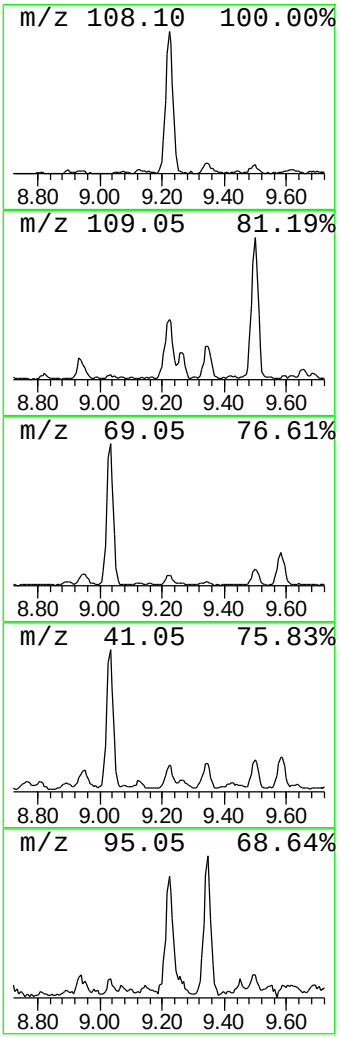
Peak Number 17 Acetaldehyde, (3,3-dimethyl... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.22	7.94 ng/ul	893543	Naphthalene-d8	10.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde, (3,3-dimethylcyclo...	152	C10H16O	026532-25-2	86
2	Ethanone, 1-(1,4-dimethyl-3-cycl...	152	C10H16O	043219-68-7	35
3	2-Acetyl-4,4-dimethyl-cyclopent-...	152	C9H12O2	081979-96-6	30
4	1,4-Benzenediol, 2,3,5-trimethyl-	152	C9H12O2	000700-13-0	22
5	1,4-Hexadiene, 3-ethyl-4,5-dimet...	138	C10H18	1000154-09-2	18





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Quant Title : SVOA CALIBRATION

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

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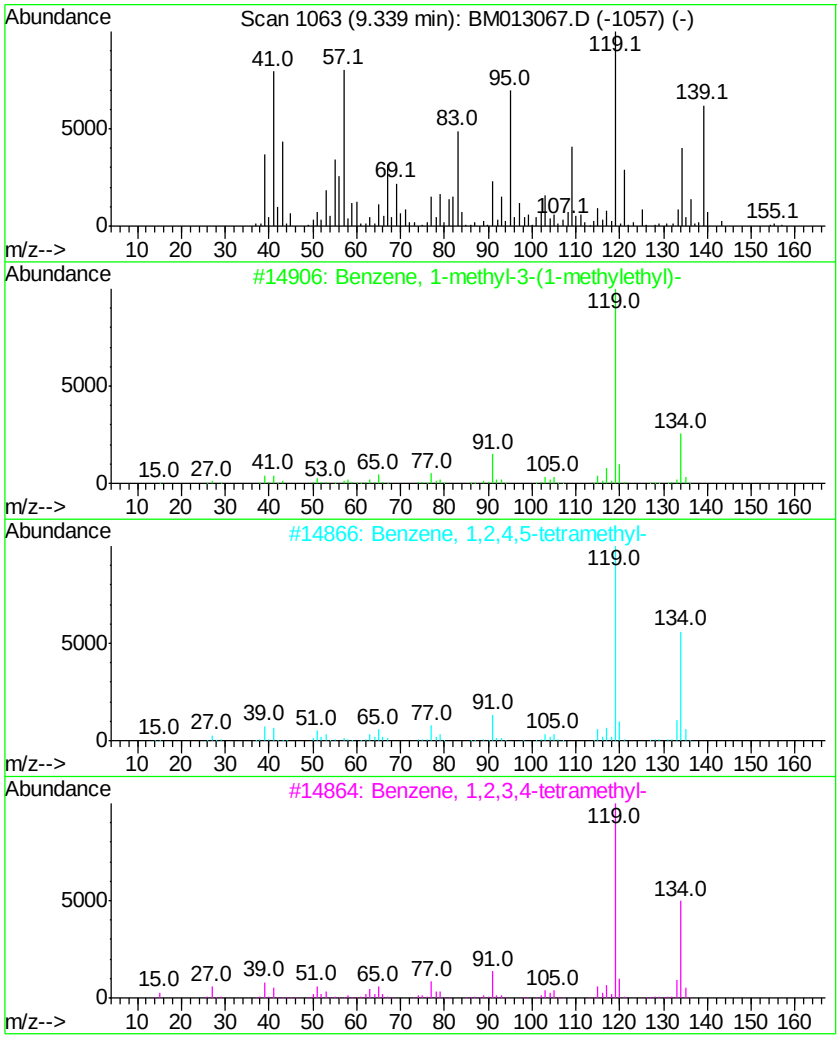
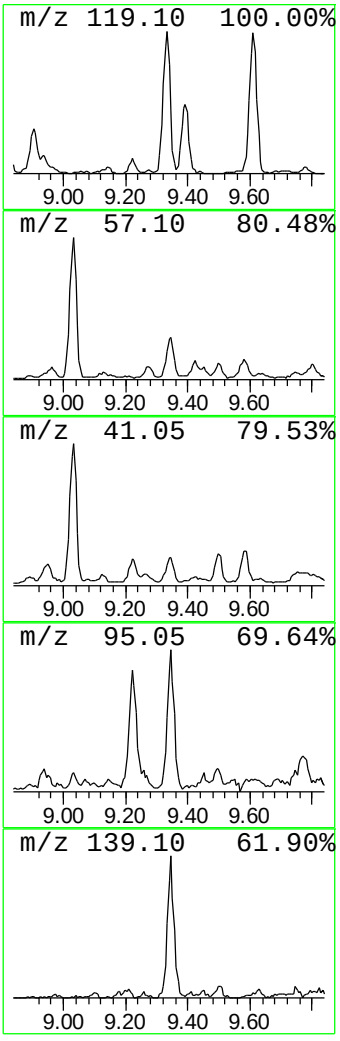
Peak Number 18 unknown-04 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.34	8.72 ng/ul	981703	Naphthalene-d8	10.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	38
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	38
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	38
4	p-Cymene	134	C10H14	000099-87-6	38
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	38





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ALS Vial : 24 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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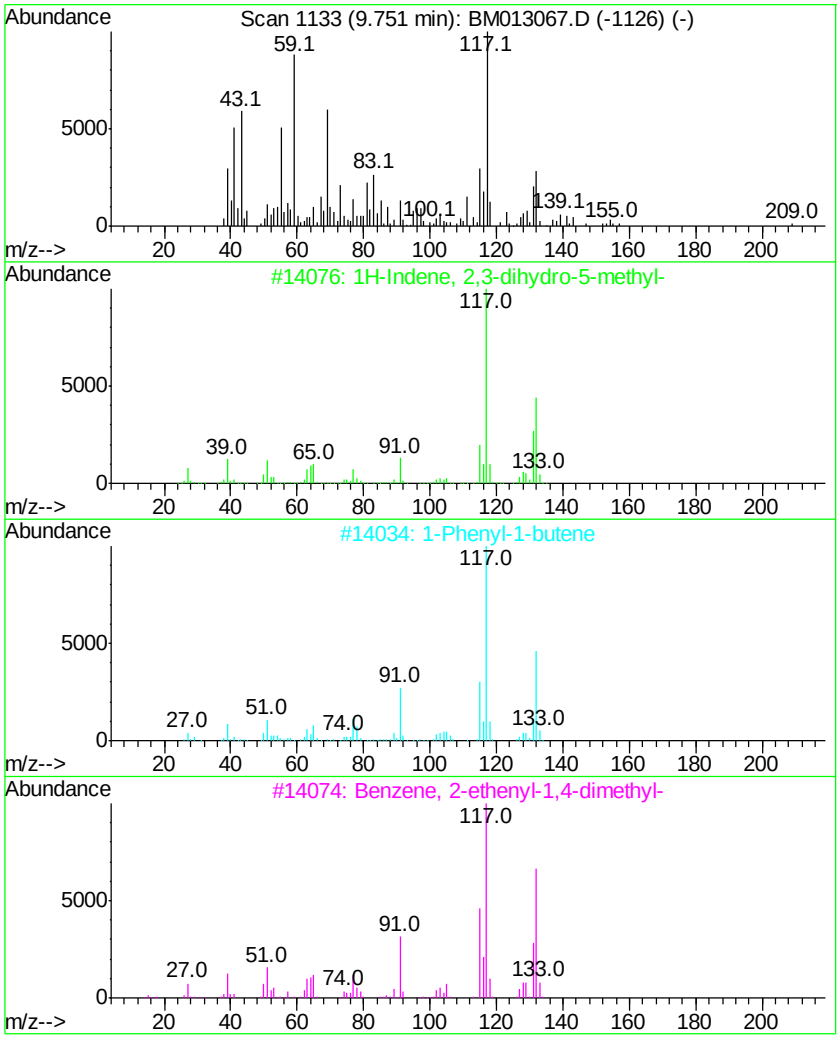
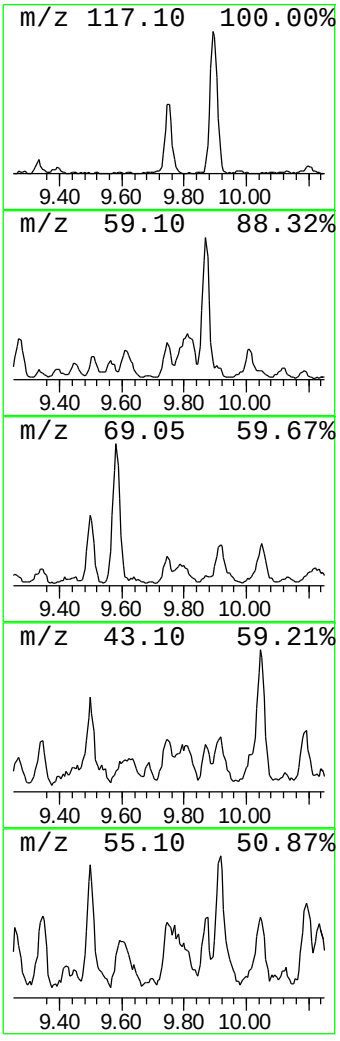
Peak Number 19 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	9.26 ng/ul	1042420	Naphthalene-d8	10.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	70
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	70
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	56
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	55
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	55





Library Search Compound Report

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Acq On : 21 Nov 2017 05:19
Operator : SJ/JU
Sample : I6489-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE2Y8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

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

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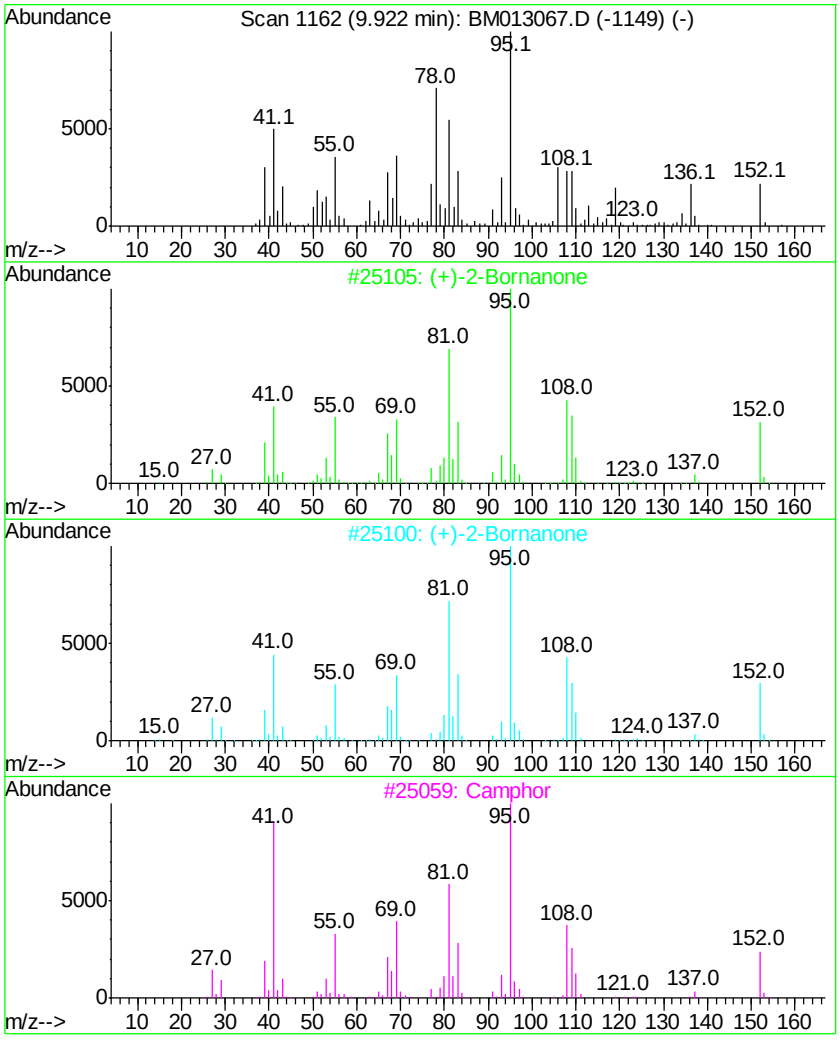
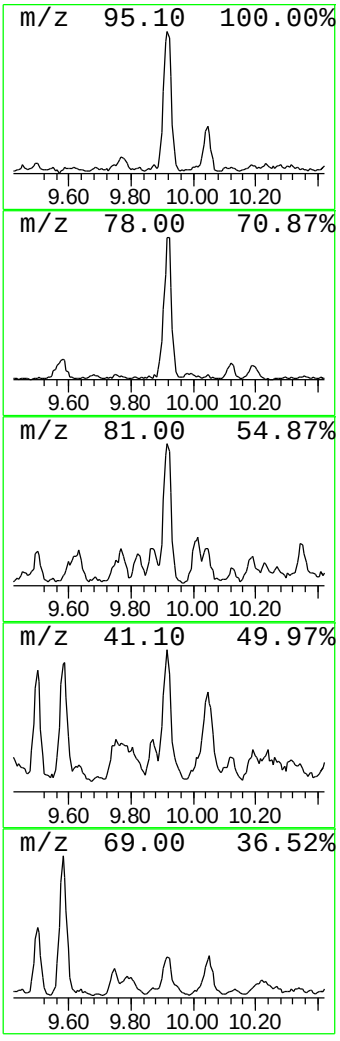
Peak Number 20 (+)-2-Bornanone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.92	22.79 ng/ul	2564940	Naphthalene-d8	10.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(+)-2-Bornanone	152	C10H16O	000464-49-3	90
2	(+)-2-Bornanone	152	C10H16O	000464-49-3	90
3	Camphor	152	C10H16O	000076-22-2	89
4	(+)-2-Bornanone	152	C10H16O	000464-49-3	86
5	Camphor	152	C10H16O	000076-22-2	83





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Instrument : BNA_M
ClientSampleId : BE2Y8

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Quant Title : SVOA CALIBRATION

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

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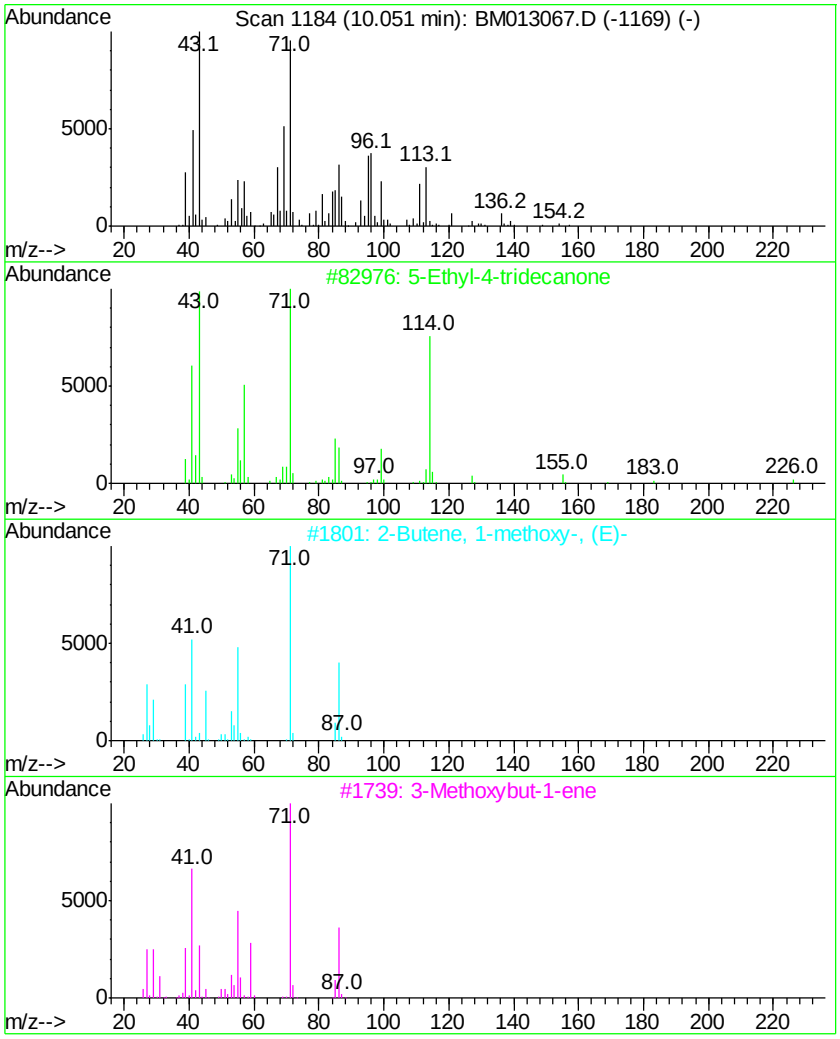
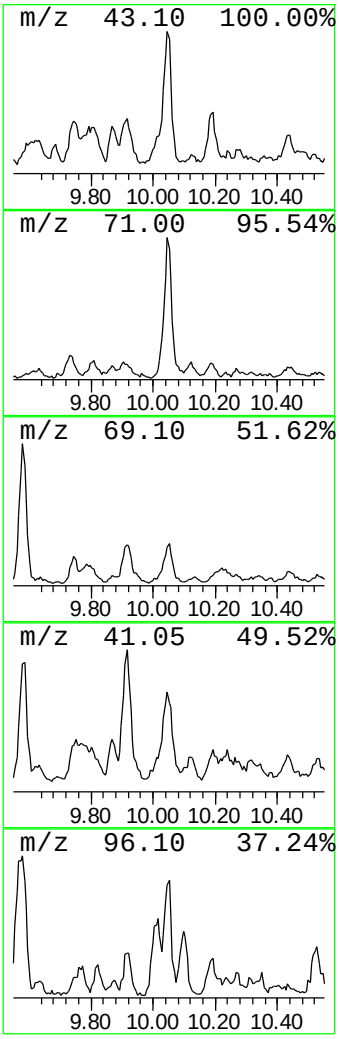
Peak Number 21 unknown-05 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.05	10.86 ng/ul	1221470	Naphthalene-d8	10.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Ethyl-4-tridecanone	226	C15H30O	1000374-09-2	35
2	2-Butene, 1-methoxy-, (E)-	86	C5H10O	010034-14-7	35
3	3-Methoxybut-1-ene	86	C5H10O	017351-24-5	35
4	2-Buten-1-ol, 3-methyl-	86	C5H10O	000556-82-1	30
5	2-Pentene, 5-(pentyloxy)-, (E)-	156	C10H20O	056052-85-8	27





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ClientSampleId : BE2Y8

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Quant Title : SVOA CALIBRATION

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

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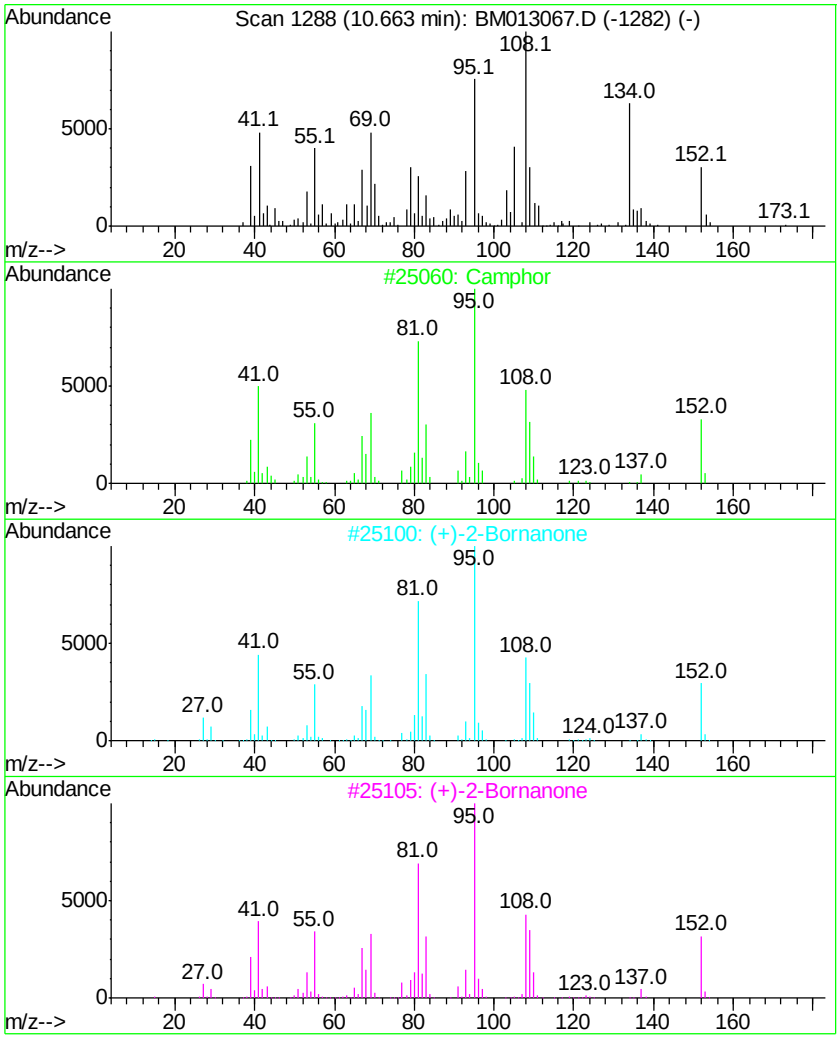
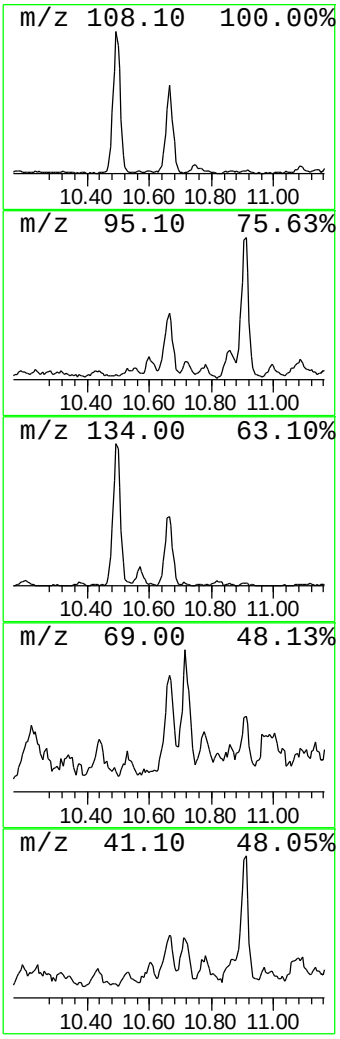
Peak Number 22 Camphor Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	9.03 ng/ul	1015600	Naphthalene-d8	10.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphor	152	C10H16O	000076-22-2	55
2	(+)-2-Bornanone	152	C10H16O	000464-49-3	50
3	(+)-2-Bornanone	152	C10H16O	000464-49-3	50
4	4,4-Dimethyl-2-propenylcyclopent...	152	C10H16O	068261-88-1	50
5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	45





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ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE2Y8

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Quant Title : SVOA CALIBRATION

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

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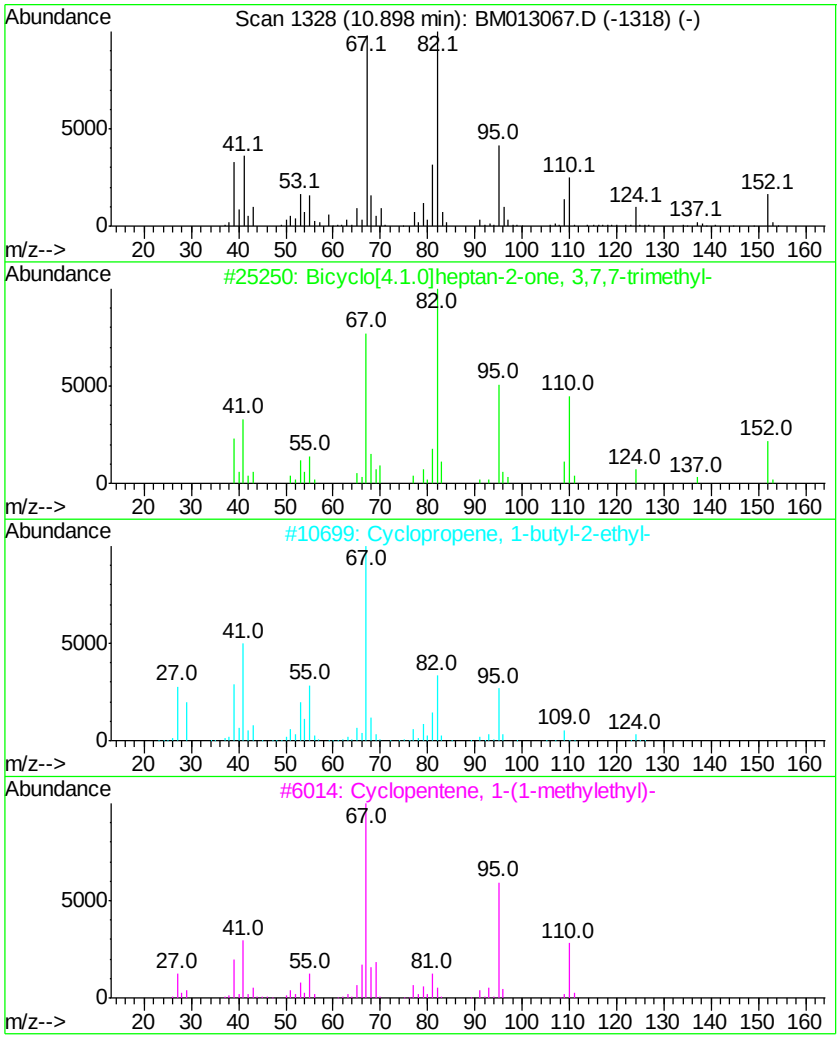
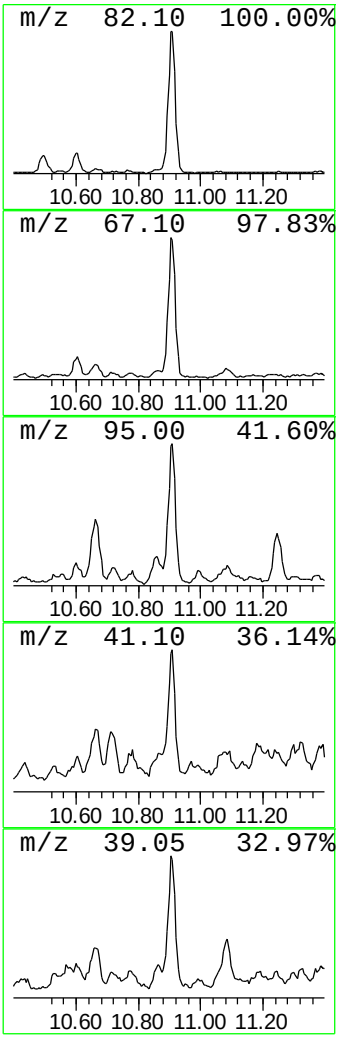
Peak Number 23 Bicyclo[4.1.0]heptan-2-one,... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	18.73 ng/ul	2107190	Naphthalene-d8	10.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.1.0]heptan-2-one, 3,7,...	152	C10H16O	000497-62-1	90
2	Cyclopropene, 1-butyl-2-ethyl-	124	C9H16	050915-91-8	64
3	Cyclopentene, 1-(1-methylethyl)-	110	C8H14	001462-07-3	49
4	(Z),(Z)-2,4-Hexadiene	82	C6H10	006108-61-8	49
5	4-Methyl-1,3-pentadiene	82	C6H10	000926-56-7	49





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ALS Vial : 24 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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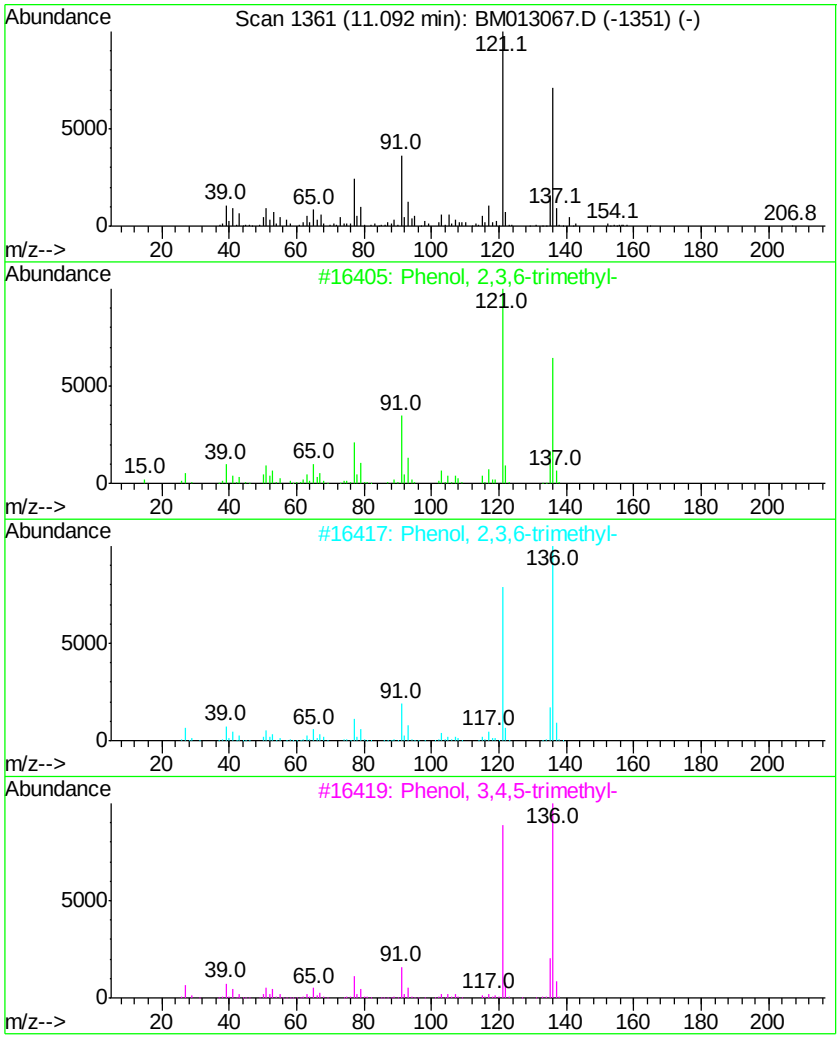
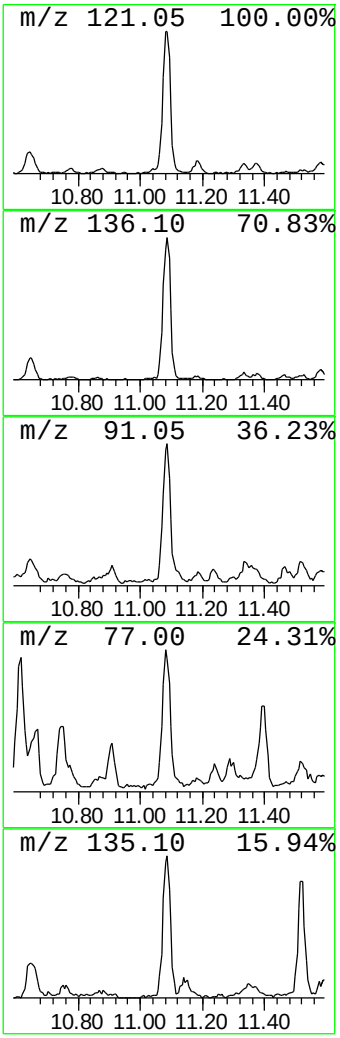
Peak Number 24 Phenol, 2,3,6-trimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	15.57 ng/ul	1752210	Naphthalene-d8	10.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,3,6-trimethyl-	136	C9H12O	002416-94-6	96
2	Phenol, 2,3,6-trimethyl-	136	C9H12O	002416-94-6	95
3	Phenol, 3,4,5-trimethyl-	136	C9H12O	000527-54-8	93
4	Phenol, 2,4,5-trimethyl-	136	C9H12O	000496-78-6	93
5	Phenol, 2,4,6-trimethyl-	136	C9H12O	000527-60-6	93





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Sample : I6489-08
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ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE2Y8

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Quant Title : SVOA CALIBRATION

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

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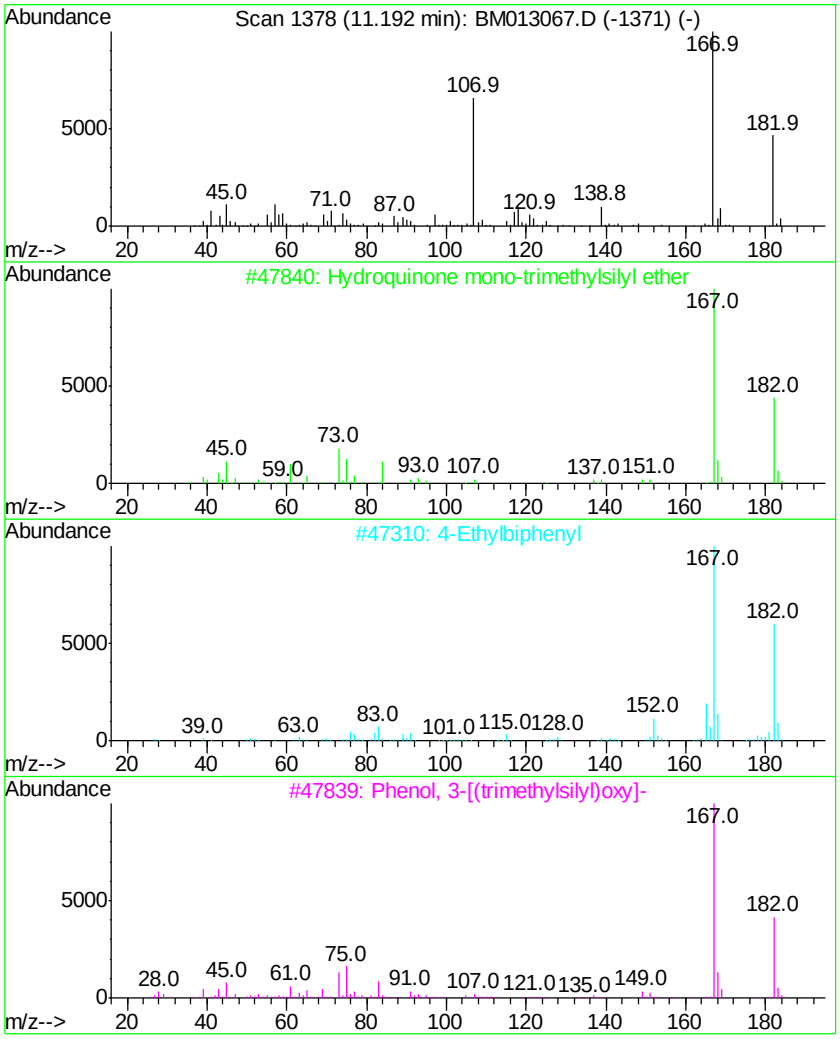
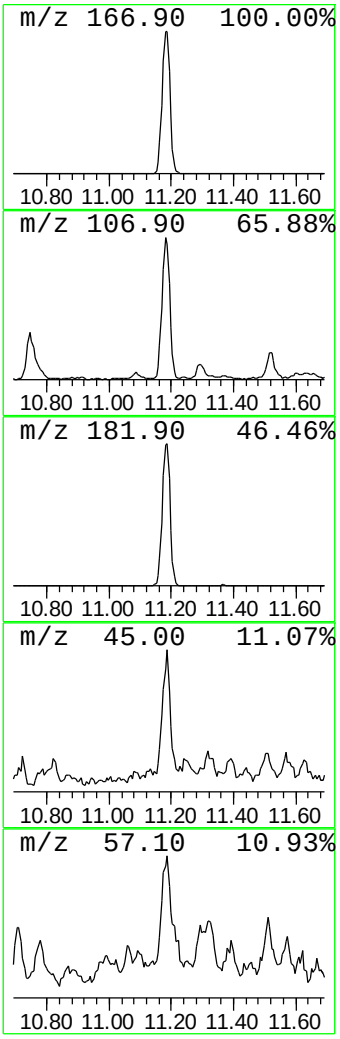
Peak Number 25 unknown-06 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	13.83 ng/ul	1556230	Naphthalene-d8	10.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydroquinone mono-trimethylsilyl...	182	C9H14O2Si	017881-87-7	38
2	4-Ethylbiphenyl	182	C14H14	005707-44-8	28
3	Phenol, 3-[(trimethylsilyl)oxy]-	182	C9H14O2Si	017882-01-8	28
4	5-Fluoro-2-methyl-benzothiazole	167	C8H6FNS	000399-75-7	23
5	Ethanone, 1-(9-carbazolyl)-2-(1,...	308	C16H12N4OS	348118-45-6	17





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Instrument : BNA_M
ClientSampleId : BE2Y8

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Quant Title : SVOA CALIBRATION

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

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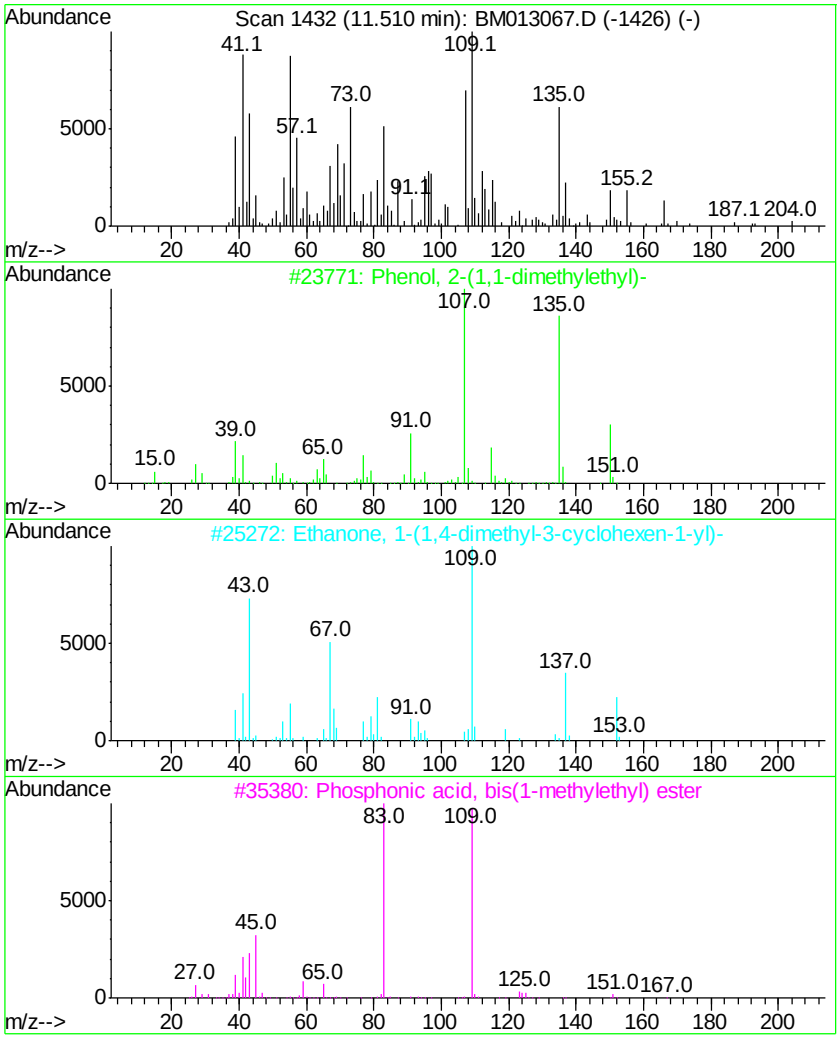
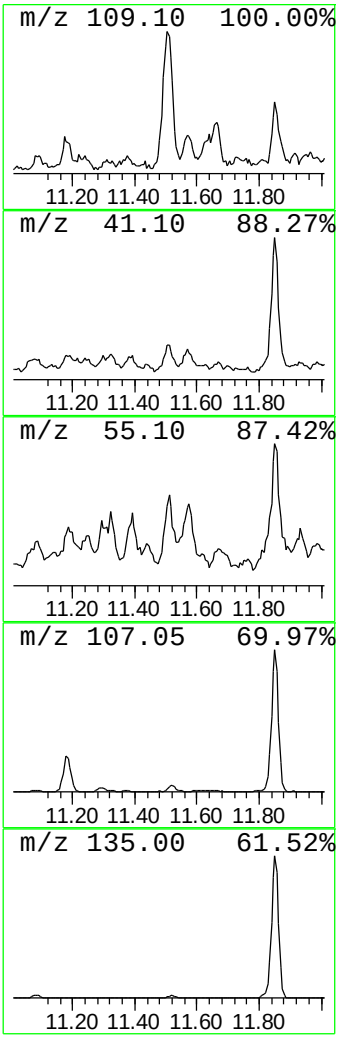
Peak Number 26 unknown-07 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.51	8.38 ng/ul	942994	Naphthalene-d8	10.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-(1,1-dimethylethyl)-	150	C10H14O	000088-18-6	25
2	Ethanone, 1-(1,4-dimethyl-3-cycl...	152	C10H16O	043219-68-7	22
3	Phosphonic acid, bis(1-methyleth...	166	C6H15O3P	001809-20-7	22
4	Ethanone, 1-(1,4-dimethyl-3-cycl...	152	C10H16O	043219-68-7	22
5	1-Buten-3-yne,4-trimethylsilyl	124	C7H12Si	002696-32-4	14





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Instrument : BNA_M
ClientSampleId : BE2Y8

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Quant Title : SVOA CALIBRATION

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

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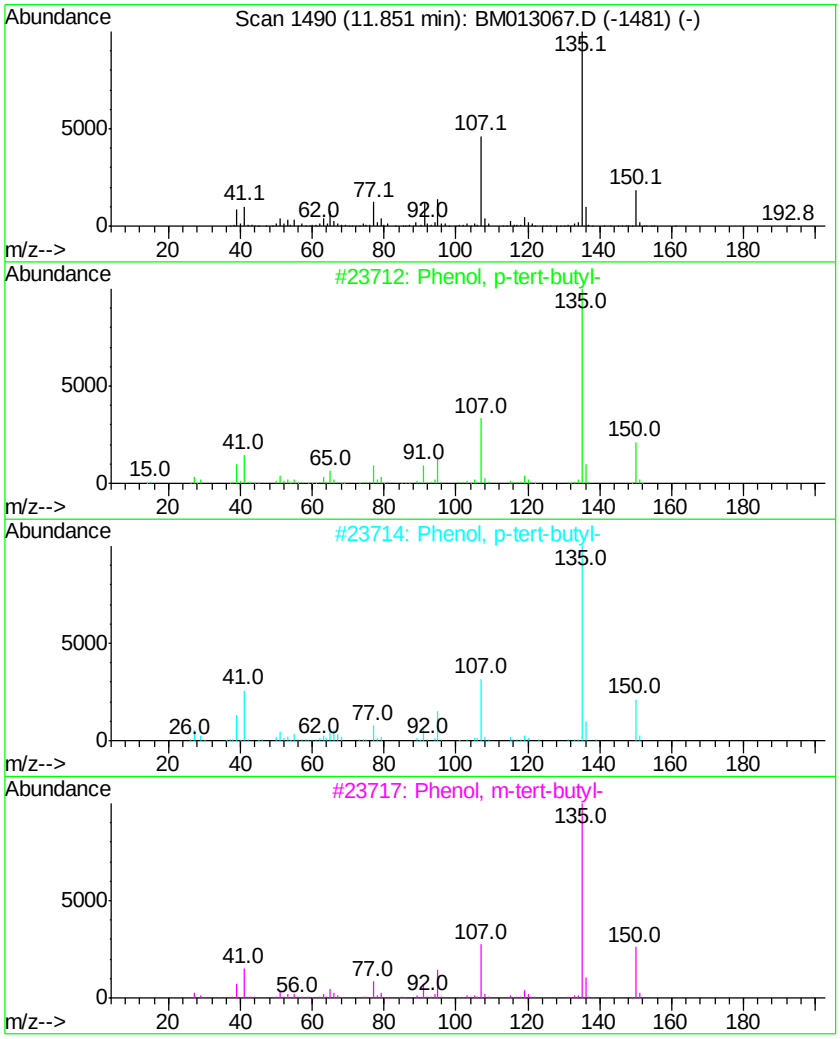
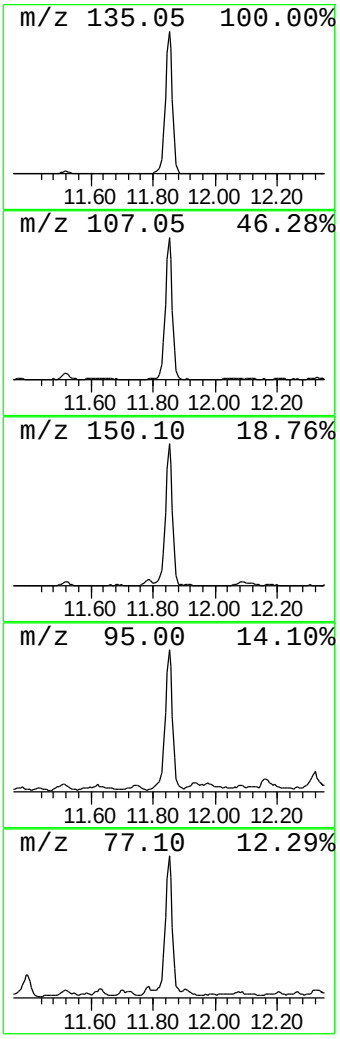
Peak Number 27 Phenol, p-tert-butyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	61.61 ng/ul	6932600	Naphthalene-d8	10.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	94
2	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	87
3	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	81
4	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	58
5	Phenol, 2-(1,1-dimethylethyl)-	150	C10H14O	000088-18-6	58





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ClientSampleId : BE2Y8

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Quant Title : SVOA CALIBRATION

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

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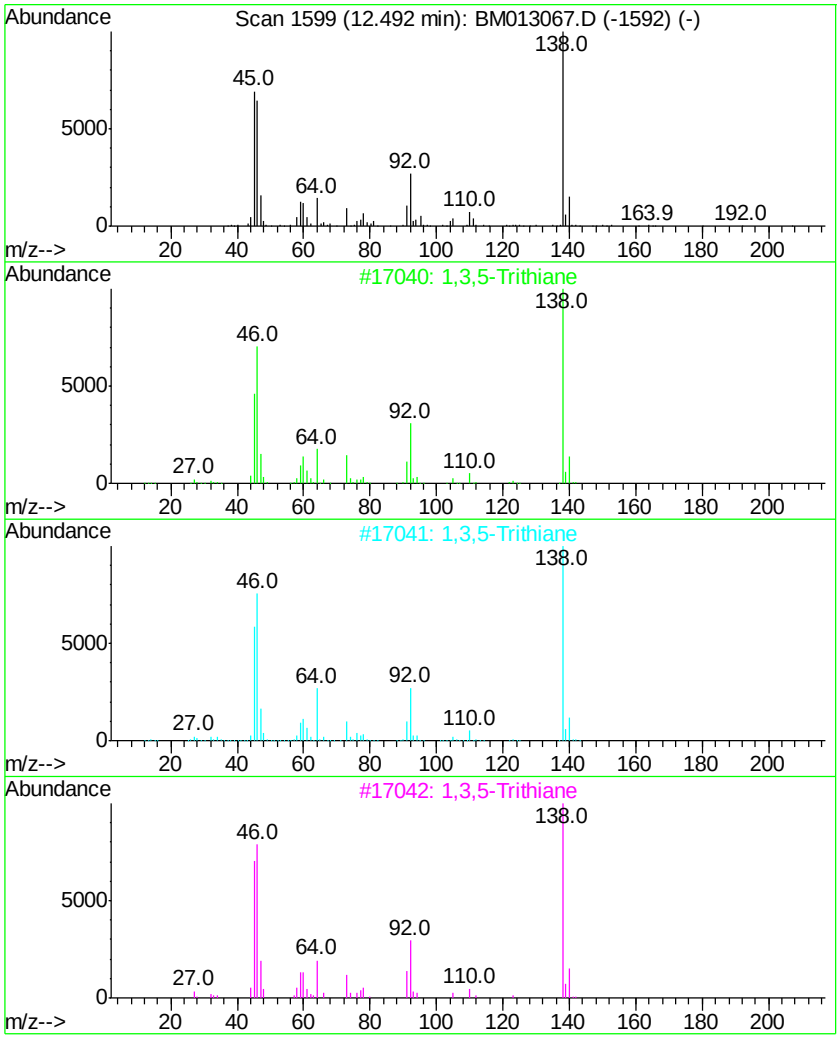
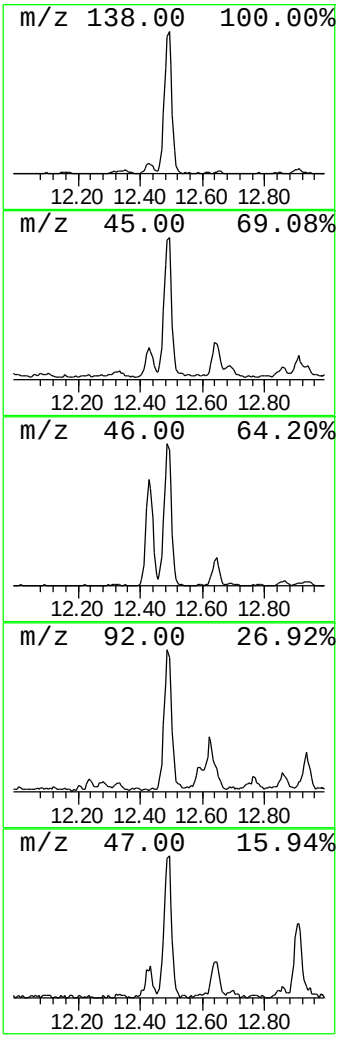
Peak Number 28 1,3,5-Trithiane Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	6.03 ng/ul	1272560	Acenaphthene-d10	14.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5-Trithiane	138	C3H6S3	000291-21-4	96
2	1,3,5-Trithiane	138	C3H6S3	000291-21-4	94
3	1,3,5-Trithiane	138	C3H6S3	000291-21-4	94
4	Dihydro-3-(2H)-thiophenone	102	C4H6OS	001003-04-9	22
5	2-Hydroxyethyl vinyl sulfide	104	C4H8OS	003090-56-0	22





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Quant Title : SVOA CALIBRATION

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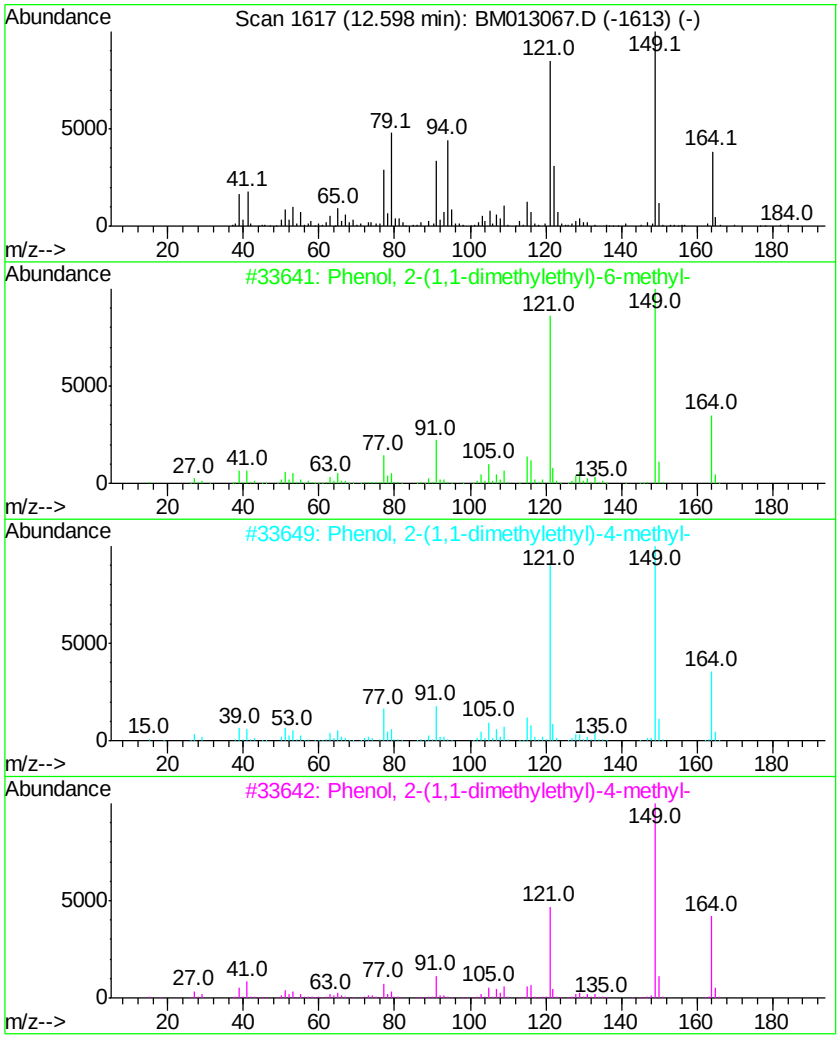
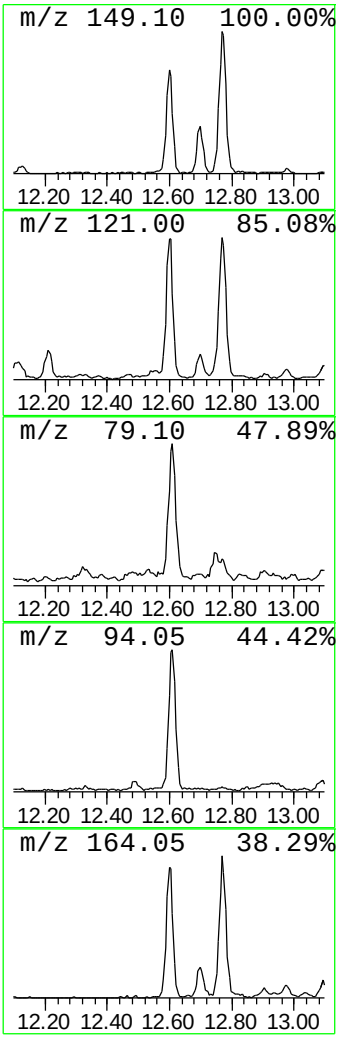
Peak Number 29 Phenol, 2-(1,1-dimethylethy... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	6.77 ng/ul	1428210	Acenaphthene-d10	14.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-(1,1-dimethylethyl)-6-...	164	C11H16O	002219-82-1	87
2	Phenol, 2-(1,1-dimethylethyl)-4-...	164	C11H16O	002409-55-4	78
3	Phenol, 2-(1,1-dimethylethyl)-4-...	164	C11H16O	002409-55-4	55
4	p-Isopropylphenetole	164	C11H16O	004132-79-0	49
5	o-Isopropylphenetole	164	C11H16O	056631-59-5	49





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Instrument : BNA_M
ClientSampleId : BE2Y8

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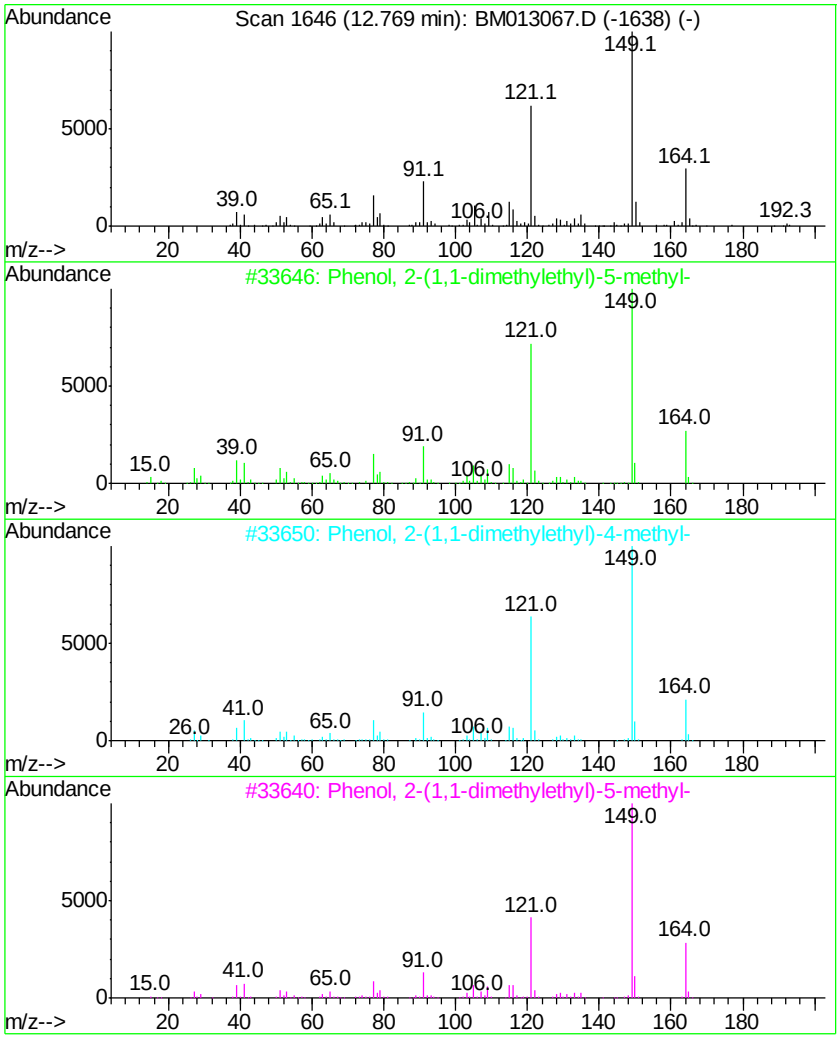
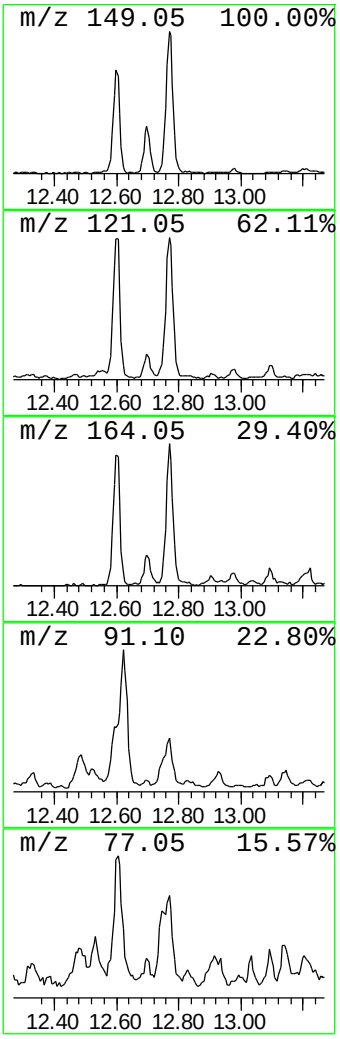
Peak Number 30 Phenol, 2-(1,1-dimethylethy... Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	6.54 ng/ul	1380620	Acenaphthene-d10	14.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-(1,1-dimethylethyl)-5-...	164	C11H16O	000088-60-8	94
2	Phenol, 2-(1,1-dimethylethyl)-4-...	164	C11H16O	002409-55-4	94
3	Phenol, 2-(1,1-dimethylethyl)-5-...	164	C11H16O	000088-60-8	94
4	Phenol, 2-(1,1-dimethylethyl)-4-...	164	C11H16O	002409-55-4	93
5	Phenol, 2-(1,1-dimethylethyl)-6-...	164	C11H16O	002219-82-1	93





Data Path : Z:\HPCHEM1\BNA M\DATA\BM112017\
Data File : BM013067.D
Acq On : 21 Nov 2017 05:19
Operator : SJ/JU
Sample : I6489-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE2Y8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

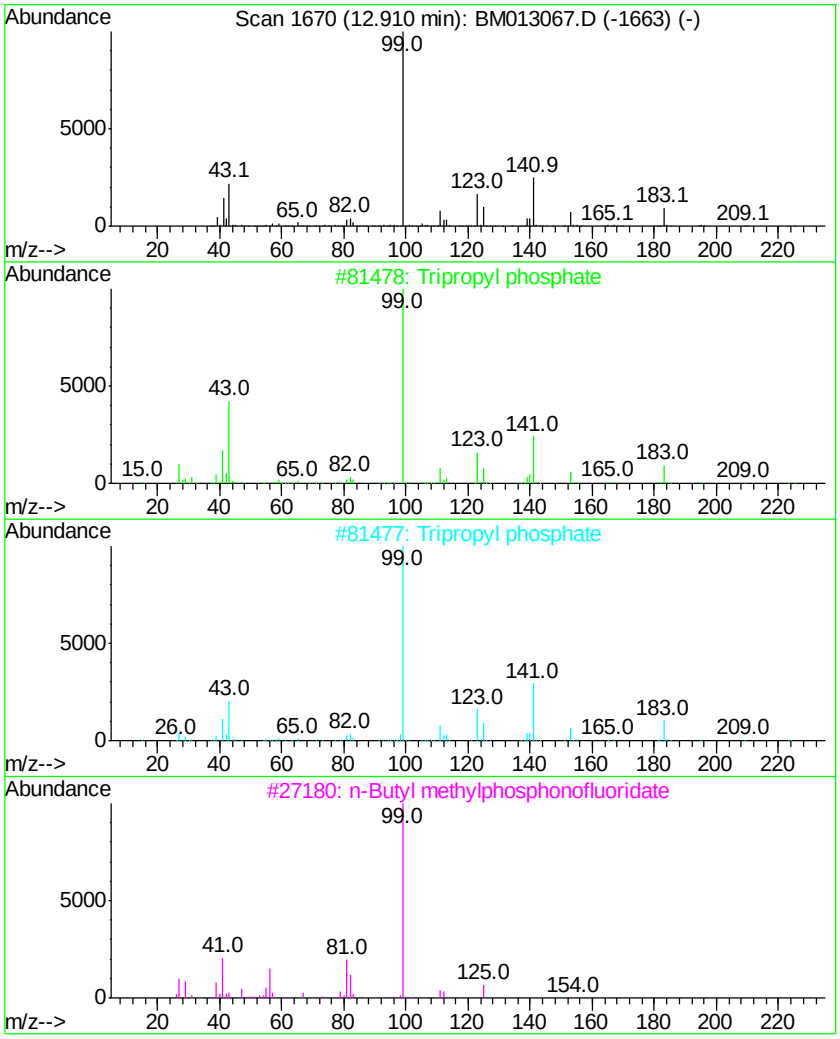
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

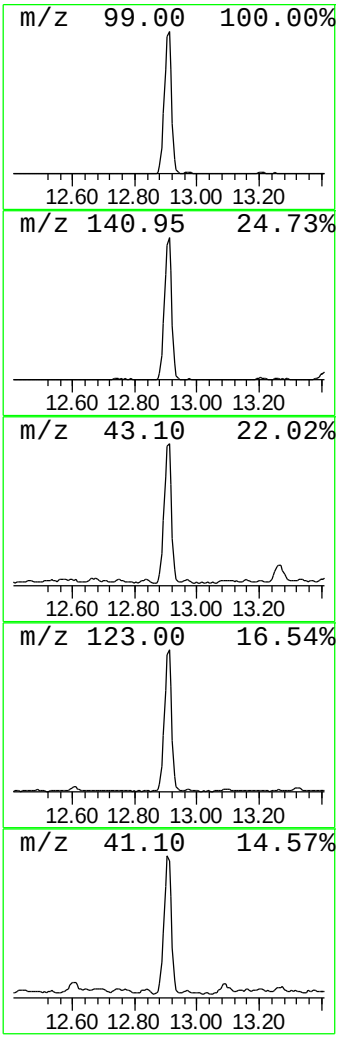
****

Peak Number 31 Tripropyl phosphate Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.91	38.82 ng/ul	8195500	Acenaphthene-d10	14.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tripropyl phosphate	224	C9H21O4P	000513-08-6	90
2	Tripropyl phosphate	224	C9H21O4P	000513-08-6	90
3	n-Butyl methylphosphonofluoridate	154	C5H12FO2P	000352-63-6	47
4	Methylphoshonic acid, fluoroanhy...	170	C5H12FO3P	1000273-54-6	28
5	Spiro[1,3-dioxolane-2,2'(1'H)-na...	196	C12H20O2	006857-86-9	28





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112017\
Data File : BM013067.D
Acq On : 21 Nov 2017 05:19
Operator : SJ/JU
Sample : I6489-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE2Y8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

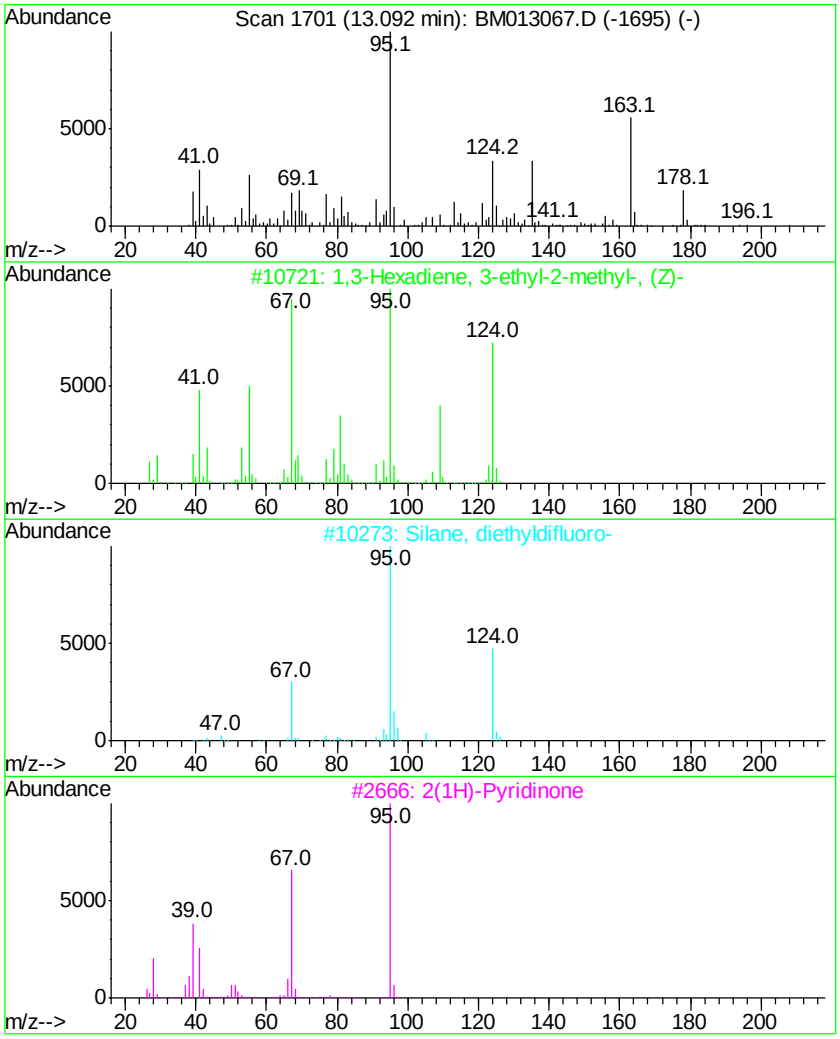
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

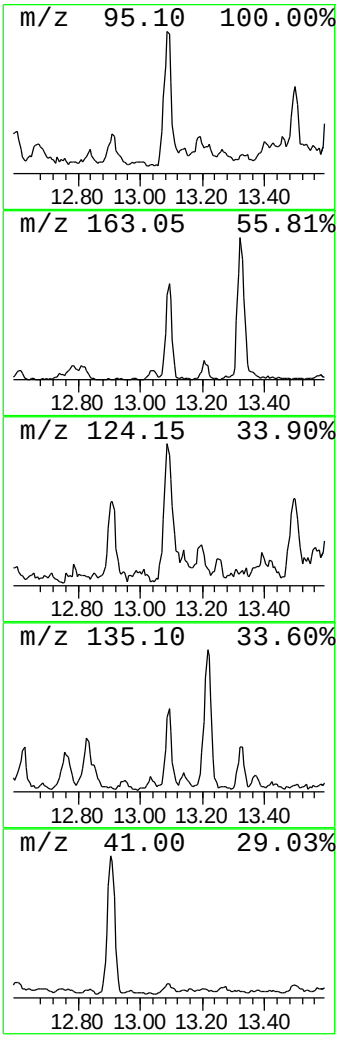
****

Peak Number 32 unknown-08 Concentration Rank 76

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	4.16 ng/ul	878796	Acenaphthene-d10	14.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Hexadiene, 3-ethyl-2-methyl-...	124	C9H16	074752-97-9	43
2	Silane, diethyldifluoro-	124	C4H10F2Si	000358-06-5	35
3	2(1H)-Pyridinone	95	C5H5NO	000142-08-5	30
4	6-Methyl-2-heptyne	110	C8H14	051065-64-6	30
5	Cyclohexene, 1-methyl-3-(1-methy...	138	C10H18	013828-31-4	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112017\
Data File : BM013067.D
Acq On : 21 Nov 2017 05:19
Operator : SJ/JU
Sample : I6489-08
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE2Y8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.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
Butanamide, 3,3-d...	5.19	9.2	ng/ul	1006800	1	7.72	2184490	20.0
2-Decanol, methyl...	6.01	9.3	ng/ul	1009980	1	7.72	2184490	20.0
Benzene, (1-methy...	6.22	27.4	ng/ul	2996670	1	7.72	2184490	20.0
3-Heptanone, 5-me...	6.40	12.4	ng/ul	1352740	1	7.72	2184490	20.0
Benzyl chloride	6.70	26.9	ng/ul	2942000	1	7.72	2184490	20.0
unknown-01	7.37	7.9	ng/ul	861795	1	7.72	2184490	20.0
Benzene, (1-metho...	7.47	12.8	ng/ul	1398820	1	7.72	2184490	20.0
2-Methyl-1,3-dith...	7.60	15.1	ng/ul	1644320	1	7.72	2184490	20.0
unknown-02	7.92	17.8	ng/ul	1944400	1	7.72	2184490	20.0
Indane	8.08	21.8	ng/ul	2385510	1	7.72	2184490	20.0
Cyclohexanone, 3,...	8.14	16.9	ng/ul	1848310	1	7.72	2184490	20.0
Cyclohexanol, 3,3...	8.33	27.7	ng/ul	3029150	1	7.72	2184490	20.0
unknown-03	8.95	9.5	ng/ul	1035380	1	7.72	2184490	20.0
3-Octanol, 3,7-di...	9.03	57.4	ng/ul	6265610	1	7.72	2184490	20.0
Acetaldehyde, (3,...	9.22	7.9	ng/ul	893543	2	10.49	2250490	20.0
unknown-04	9.34	8.7	ng/ul	981703	2	10.49	2250490	20.0
1H-Indene, 2,3-di...	9.75	9.3	ng/ul	1042420	2	10.49	2250490	20.0
(+)-2-Bornanone	9.92	22.8	ng/ul	2564940	2	10.49	2250490	20.0
unknown-05	10.05	10.9	ng/ul	1221470	2	10.49	2250490	20.0
Camphor	10.66	9.0	ng/ul	1015600	2	10.49	2250490	20.0
Bicyclo[4.1.0]hep...	10.90	18.7	ng/ul	2107190	2	10.49	2250490	20.0
Phenol, 2,3,6-tri...	11.09	15.6	ng/ul	1752210	2	10.49	2250490	20.0
unknown-06	11.19	13.8	ng/ul	1556230	2	10.49	2250490	20.0
unknown-07	11.51	8.4	ng/ul	942994	2	10.49	2250490	20.0
Phenol, p-tert-bu...	11.85	61.6	ng/ul	6932600	2	10.49	2250490	20.0
1,3,5-Trithiane	12.49	6.0	ng/ul	1272560	3	14.36	4222070	20.0
Phenol, 2-(1,1-di...	12.60	6.8	ng/ul	1428210	3	14.36	4222070	20.0
Phenol, 2-(1,1-di...	12.77	6.5	ng/ul	1380620	3	14.36	4222070	20.0
Tripropyl phosphate	12.91	38.8	ng/ul	8195500	3	14.36	4222070	20.0
unknown-08	13.09	4.2	ng/ul	878796	3	14.36	4222070	20.0