LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM121616\
Data File : BM008367.D
Acq On : 16 Dec 2016 05:40
Operator : UM/SJ
Sample : H6039-19
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8T3

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.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	3.934	223	229	244	rVB	4496015	6918438	4.74%	0.484%
2	4.257	281	284	297	rVB	2318334	3160115	2.17%	0.221%
3	4.916	388	396	405	rBV	4431738	7013545	4.81%	0.490%
4	5.028	410	415	428	rVB	2834270	4364292	2.99%	0.305%
5	5.210	440	446	453	rVB	3196277	4597890	3.15%	0.322%
6	5.340	462	468	485	rVB	5562099	12173645	8.34%	0.851%
7	5.704	520	530	534	rVV2	4707819	10146702	6.95%	0.710%
8	6.416	642	651	662	rVB2	3468743	7040416	4.82%	0.492%
9	6.751	703	708	714	rVB2	2411412	4407286	3.02%	0.308%
10	6.898	727	733	747	rVB3	1641304	4360371	2.99%	0.305%
11	7.081	761	764	770	rVB	2020662	3048925	2.09%	0.213%
12	7.181	770	781	785	rBV3	1463684	4159846	2.85%	0.291%
13	7.310	792	803	811	rBV2	3657022	7984019	5.47%	0.558%
14	7.410	811	820	825	rVV2	3141944	8174971	5.60%	0.572%
15	7.492	825	834	846	rVB3	1971480	4600527	3.15%	0.322%
16	7.663	854	863	872	rBV6	1319801	3615057	2.48%	0.253%
17	7.769	872	881	888	rVV2	1897075	4291617	2.94%	0.300%
18	7.981	909	917	922	rVV	4425930	9046102	6.20%	0.633%
19	8.028	922	925	928	rVV	2643342	4786955	3.28%	0.335%
20	8.069	928	932	940	rVV5	3196216	11148894	7.64%	0.780%
21	8.157	940	947	951	rVV	9881421	21244376	14.56%	1.486%
22	8.198	951	954	959	rVB2	2047095	2890349	1.98%	0.202%
23	8.351	973	980	984	rBV2	1906744	4907071	3.36%	0.343%
24	8.510	998	1007	1017	rVB	11916264	28185279	19.31%	1.971%
25	8.645	1017	1030	1035	rBV2	4238668	9122945	6.25%	0.638%
26	8.739	1035	1046	1054	rBV6	3596810	11227608	7.69%	0.785%
27	8.828	1054	1061	1067	rBV5	1732650	4615421	3.16%	0.323%
28	8.939	1072	1080	1087	rVV3	2354142	8012212	5.49%	0.560%
29	9.016	1087	1093	1099	rVV2	3476528	8291219	5.68%	0.580%
30	9.122	1101	1111	1119	rVV2	18957304	42866063	29.37%	2.998%
31	9.210	1119	1126	1132	rVB	11112528	19212158	13.16%	1.344%
32	9.463	1161	1169	1179	rVB	6140251	12324219	8.44%	0.862%
33	9.604	1179	1193	1199	rBV4	5608251	18754532	12.85%	1.312%
34	9.692	1199	1208	1210	rBV	10260728	24036107	16.47%	1.681%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM121616\
Data File : BM008367.D
Acq On : 16 Dec 2016 05:40
Operator : UM/SJ
Sample : H6039-19
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8T3

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Title : SVOA CALIBRATION

35	9.851	1228	1235	1243	rBV5	2990252	8150912	5.58%	0.570%
36	10.027	1246	1265	1267	rBV2	18441996	82925795	56.82%	5.799%
37	10.116	1275	1280	1283	rBV4	1917127	2602463	1.78%	0.182%
38	10.163	1283	1288	1298	rVB6	3681171	8527090	5.84%	0.596%
39	10.316	1307	1314	1322	rVB	10699005	19284399	13.21%	1.349%
40	10.427	1322	1333	1343	rBV7	10864104	42172611	28.90%	2.949%
41	10.657	1358	1372	1376	rBV	21936075	56148979	38.47%	3.927%
42	10.704	1376	1380	1385	rVV3	4444281	8814020	6.04%	0.616%
43	10.769	1385	1391	1397	rVB	4633927	10183909	6.98%	0.712%
44	10.827	1397	1401	1403	rBV	3856036	5785394	3.96%	0.405%
45	10.869	1403	1408	1415	rVB2	14995871	29346785	20.11%	2.052%
46	10.951	1415	1422	1430	rBV2	6437798	19007490	13.02%	1.329%
47	11.069	1431	1442	1448	rVV2	26501119	72263485	49.51%	5.054%
48	11.127	1448	1452	1466	rVB2	5763103	12690308	8.70%	0.887%
49	11.410	1481	1500	1506	rBV4	29327614	145946315	100.00%	10.207%
50	11.504	1506	1516	1518	rBV5	3594712	6991843	4.79%	0.489%
51	11.551	1518	1524	1531	rBV4	11531233	30377560	20.81%	2.124%
52	11.627	1531	1537	1540	rVB	12329466	23720395	16.25%	1.659%
53	11.680	1540	1546	1548	rBV2	5277377	10475499	7.18%	0.733%
54	11.827	1567	1571	1575	rVB2	2798246	4129506	2.83%	0.289%
55	11.921	1575	1587	1590	rBV	13867934	32523139	22.28%	2.274%
56	11.951	1590	1592	1596	rVB	4016506	4993037	3.42%	0.349%
57	12.039	1596	1607	1610	rBV3	4581937	12459527	8.54%	0.871%
58	12.139	1618	1624	1635	rVB4	5916862	15615917	10.70%	1.092%
59	12.251	1635	1643	1649	rBV2	12226784	31607804	21.66%	2.210%
60	12.327	1649	1656	1659	rBV	9446824	17748282	12.16%	1.241%
61	12.427	1670	1673	1682	rVB4	3835964	8458048	5.80%	0.592%
62	12.533	1684	1691	1694	rBV2	6928257	14990779	10.27%	1.048%
63	12.586	1694	1700	1706	rVB2	17268217	34653567	23.74%	2.423%
64	12.733	1717	1725	1727	rBV4	5710511	15064061	10.32%	1.053%
65	12.857	1740	1746	1757	rVB5	11575945	29857118	20.46%	2.088%
66	13.021	1770	1774	1778	rBV	4550418	7005405	4.80%	0.490%
67	13.068	1778	1782	1785	rVV2	3461005	5831329	4.00%	0.408%
68	13.157	1792	1797	1803	rBV5	4685561	10559286	7.24%	0.738%
69	13.233	1807	1810	1813	rVV2	3540527	5635513	3.86%	0.394%
70	13.292	1817	1820	1825	rVB	3728948	5282659	3.62%	0.369%
71	13.357	1825	1831	1836	rBV2	3561146	9148028	6.27%	0.640%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM121616\
Data File : BM008367.D
Acq On : 16 Dec 2016 05:40
Operator : UM/SJ
Sample : H6039-19
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8T3

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Title : SVOA CALIBRATION

72	13.527	1851	1860	1863	rBV4	9054069	25087953	17.19%	1.755%
73	13.627	1870	1877	1882	rVB5	6405250	14203407	9.73%	0.993%
74	13.692	1882	1888	1891	rBV5	5102694	9079786	6.22%	0.635%
75	13.733	1891	1895	1907	rVB6	8911205	24931373	17.08%	1.744%
76	13.863	1911	1917	1922	rBV3	8540221	15709640	10.76%	1.099%
77	13.945	1927	1931	1935	rVV2	7521026	12696611	8.70%	0.888%
78	13.992	1935	1939	1942	rVV2	4378535	6922078	4.74%	0.484%
79	14.021	1942	1944	1947	rVV3	2493427	3279340	2.25%	0.229%
80	14.068	1947	1952	1960	rVB9	3859134	9084997	6.22%	0.635%
81	14.233	1977	1980	1986	rVB2	2651051	4249621	2.91%	0.297%
82	14.398	2004	2008	2012	rBV2	4927607	6897452	4.73%	0.482%
83	14.451	2012	2017	2021	rBV	6104437	8805099	6.03%	0.616%
84	14.533	2027	2031	2034	rBV2	3092491	5190502	3.56%	0.363%
85	14.568	2034	2037	2041	rVB	5106870	6490029	4.45%	0.454%
86	14.668	2050	2054	2057	rBV3	4910908	8101485	5.55%	0.567%
87	14.733	2061	2065	2070	rVV	5787191	8899144	6.10%	0.622%
88	14.821	2076	2080	2085	rVV3	2700266	4426109	3.03%	0.310%
89	14.892	2086	2092	2101	rVV3	3038311	7552460	5.17%	0.528%
90	15.015	2107	2113	2121	rVB3	2600102	6514209	4.46%	0.456%
91	15.321	2162	2165	2177	rVB5	3105445	7039200	4.82%	0.492%
92	15.445	2182	2186	2190	rBV2	1910091	2936706	2.01%	0.205%
93	15.592	2208	2211	2217	rVB5	1992926	2920462	2.00%	0.204%
94	15.733	2230	2235	2240	rBV6	1606583	3097323	2.12%	0.217%
95	15.786	2240	2244	2247	rBV	2687525	3867147	2.65%	0.270%
96	17.168	2475	2479	2484	rVB	2711348	3819961	2.62%	0.267%
97	19.462	2864	2869	2878	rBV	2928393	4288162	2.94%	0.300%
98	21.256	3170	3174	3179	rBV	2104216	2588104	1.77%	0.181%
99	22.086	3310	3315	3320	rBV	4258333	5146720	3.53%	0.360%
100	23.344	3523	3529	3540	rVB2	2254790	4387118	3.01%	0.307%

Sum of corrected areas: 1429919627

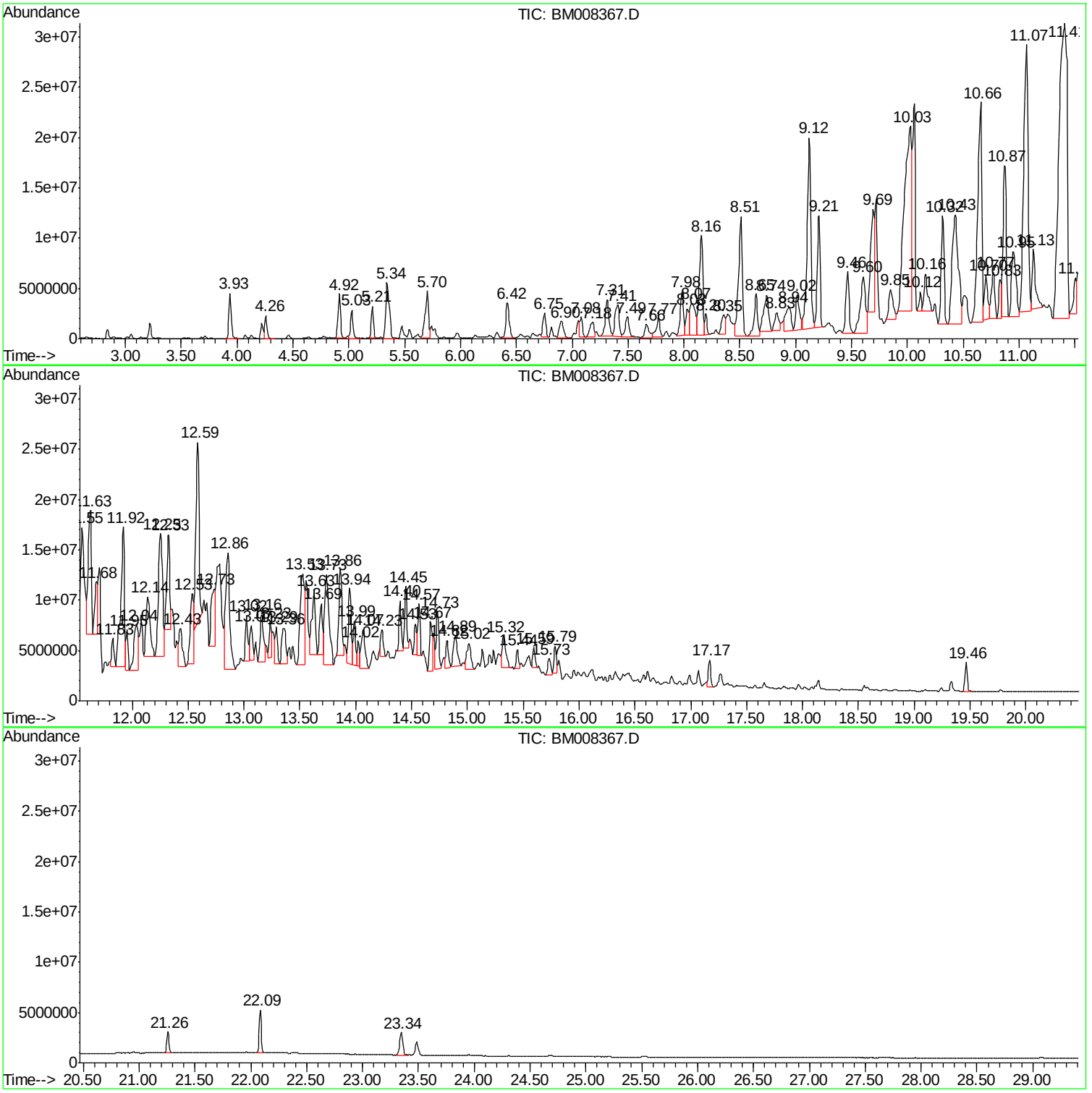
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\Data\BM121616\
Data File : BM008367.D
Acq On : 16 Dec 2016 05:40
Operator : UM/SJ
Sample : H6039-19
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8T3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\Data\BM121616\
Data File : BM008367.D
Acq On : 16 Dec 2016 05:40
Operator : UM/SJ
Sample : H6039-19
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8T3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

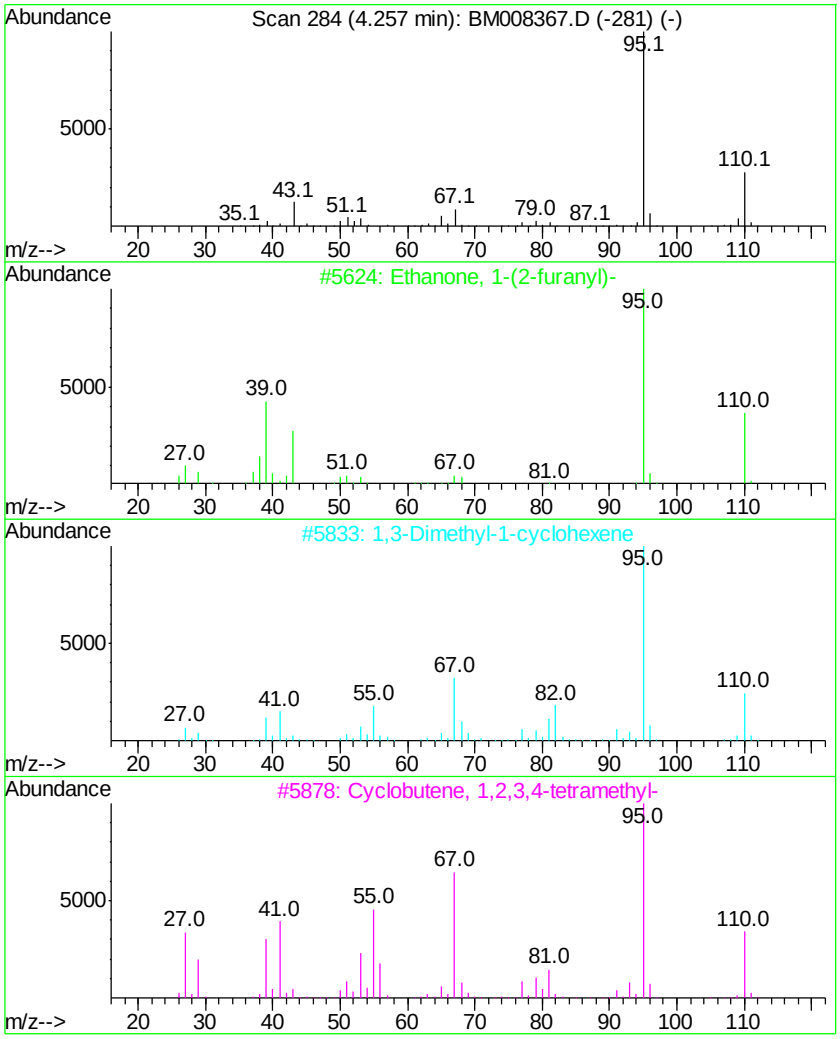
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

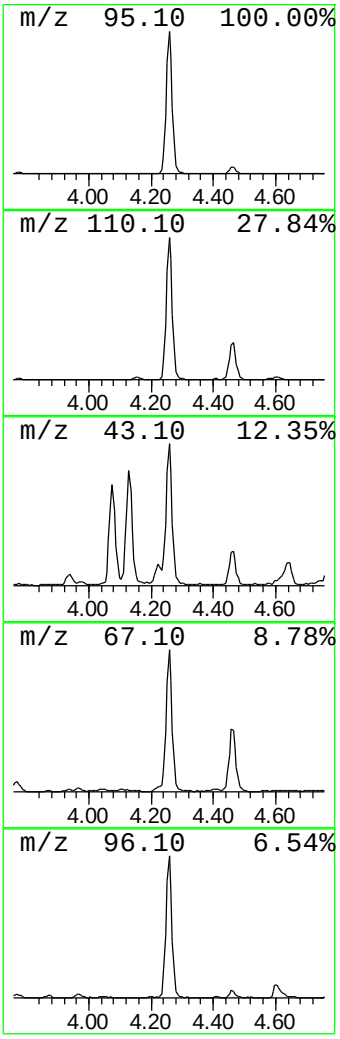
****

Peak Number 2 Ethanone, 1-(2-furanyl)- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.26	17.48 ng/ul	3160120	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(2-furanyl)-	110	C6H6O2	001192-62-7	80
2	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	72
3	Cyclobutene, 1,2,3,4-tetramethyl-	110	C8H14	090346-45-5	72
4	trans,trans-3,5-Heptadien-2-one	110	C7H10O	018402-90-9	72
5	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	72





Data Path : Z:\HPCHEM1\BNA M\Data\BM121616\
Data File : BM008367.D
Acq On : 16 Dec 2016 05:40
Operator : UM/SJ
Sample : H6039-19
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8T3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

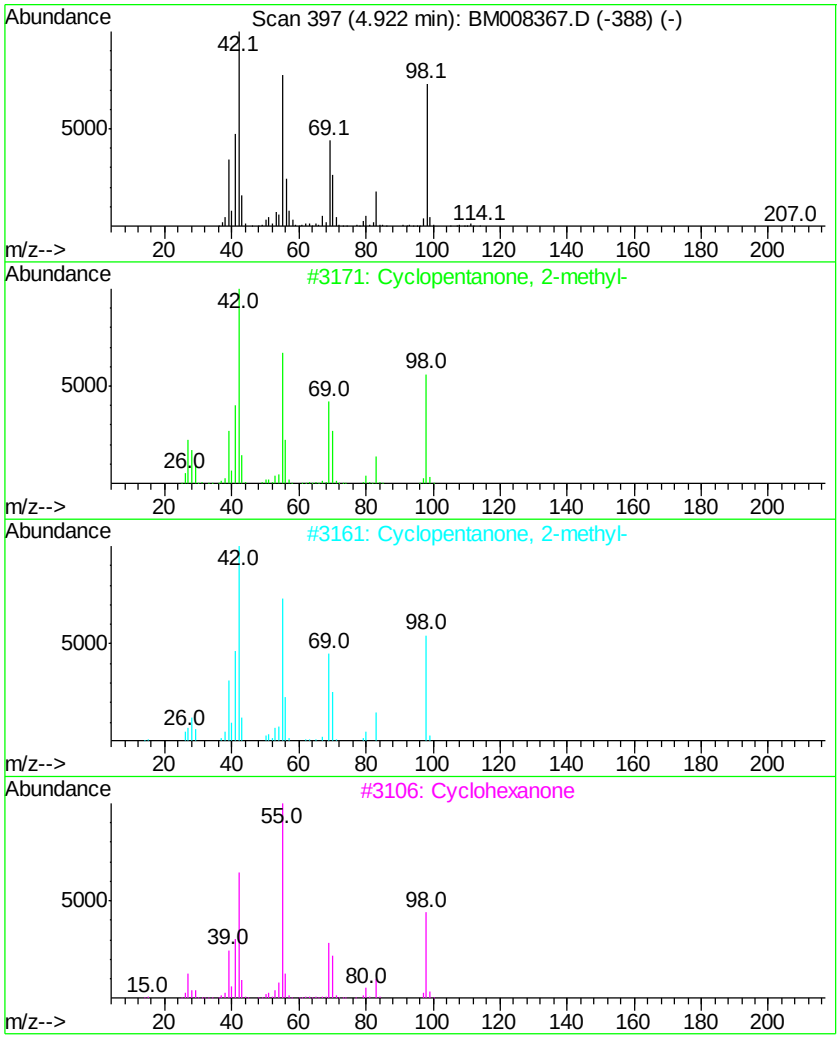
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

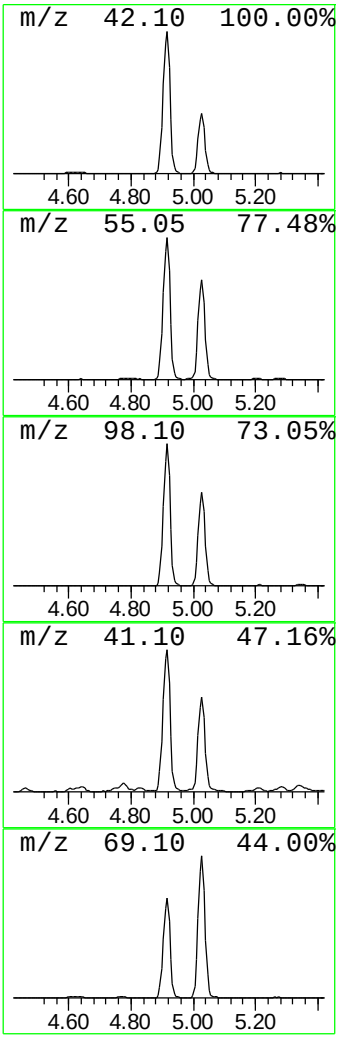
****

Peak Number 3 Cyclopentanone, 2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.92	38.80 ng/ul	7013550	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 2-methyl-	98	C6H10O	001120-72-5	97
2	Cyclopentanone, 2-methyl-	98	C6H10O	001120-72-5	96
3	Cyclohexanone	98	C6H10O	000108-94-1	83
4	1,3-Cyclopentanedione	98	C5H6O2	003859-41-4	52
5	Cyclohexanone	98	C6H10O	000108-94-1	50





Data Path : Z:\HPCHEM1\BNA M\Data\BM121616\
Data File : BM008367.D
Acq On : 16 Dec 2016 05:40
Operator : UM/SJ
Sample : H6039-19
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8T3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

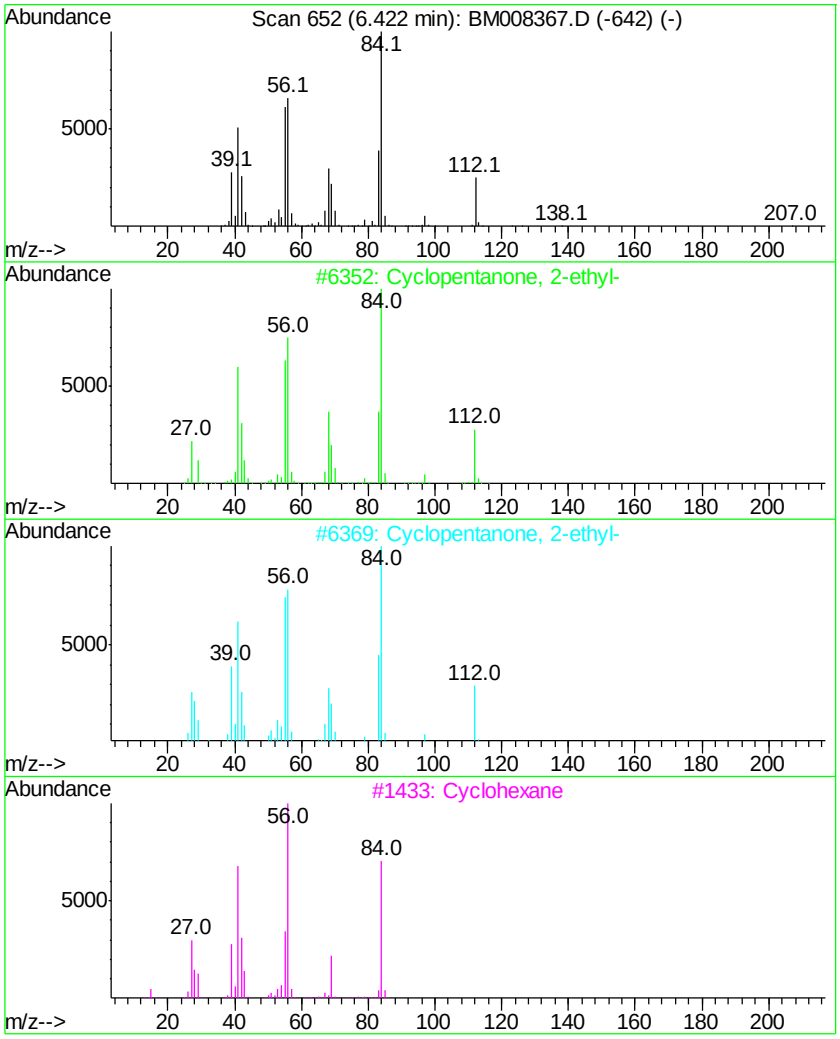
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

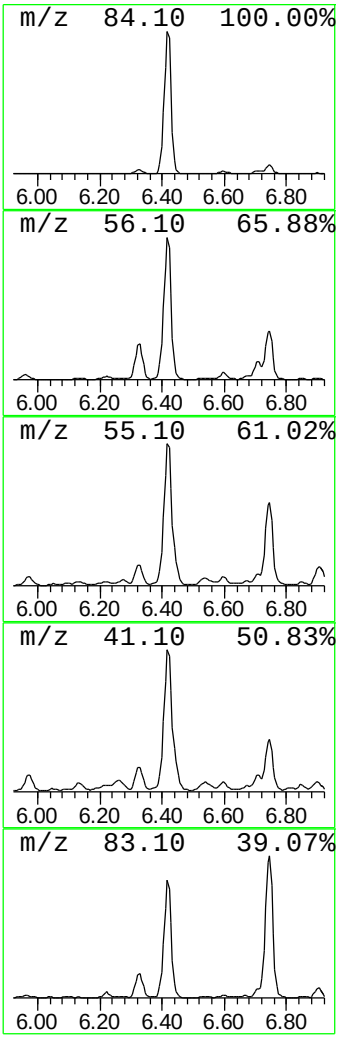
****

Peak Number 8 Cyclopentanone, 2-ethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	38.95 ng/ul	7040420	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 2-ethyl-	112	C7H12O	004971-18-0	96
2	Cyclopentanone, 2-ethyl-	112	C7H12O	004971-18-0	96
3	Cyclohexane	84	C6H12	000110-82-7	47
4	Dicyandiamide	84	C2H4N4	000461-58-5	38
5	Dicyandiamide	84	C2H4N4	000461-58-5	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM121616\
Data File : BM008367.D
Acq On : 16 Dec 2016 05:40
Operator : UM/SJ
Sample : H6039-19
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8T3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

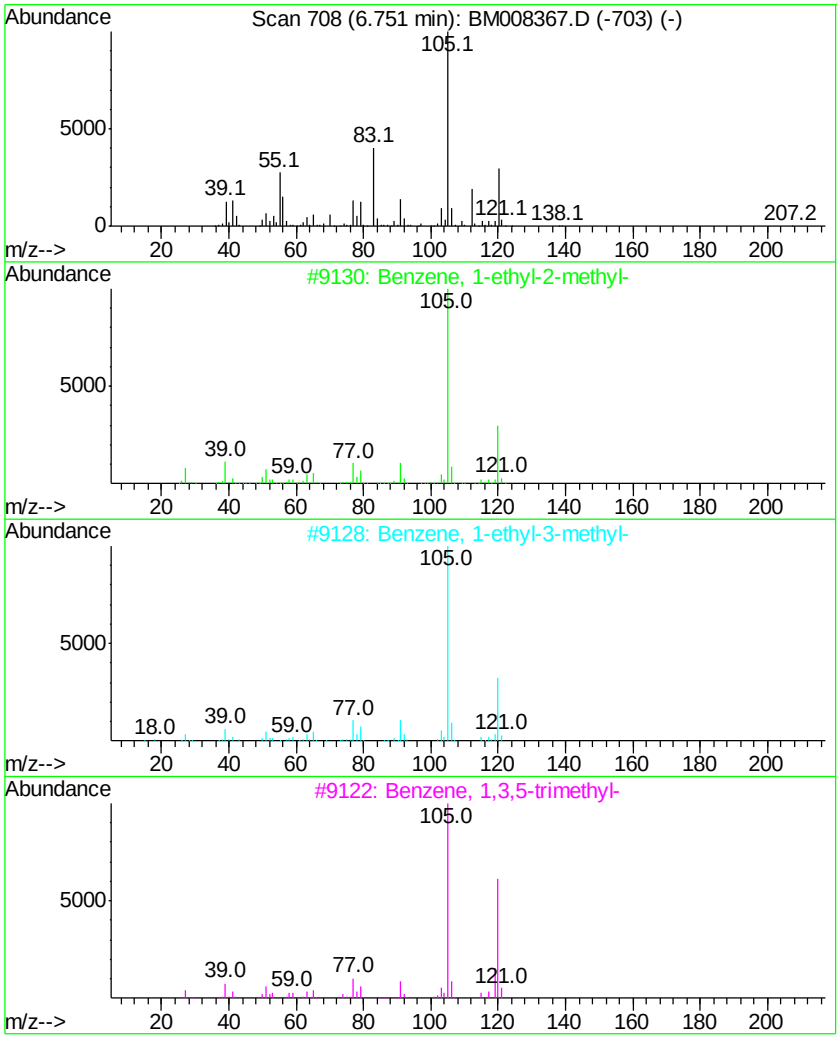
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

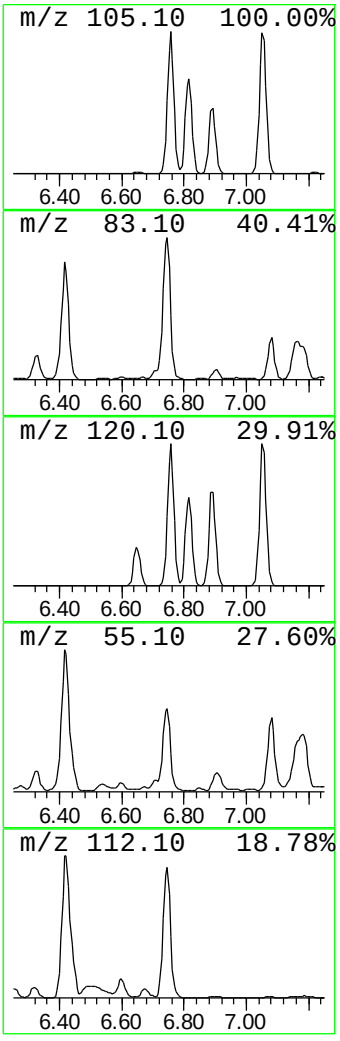
****

Peak Number 9 Benzene, 1-ethyl-2-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	24.38 ng/ul	4407290	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	78
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	60
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	60
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	60





Data Path : Z:\HPCHEM1\BNA M\Data\BM121616\
Data File : BM008367.D
Acq On : 16 Dec 2016 05:40
Operator : UM/SJ
Sample : H6039-19
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8T3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

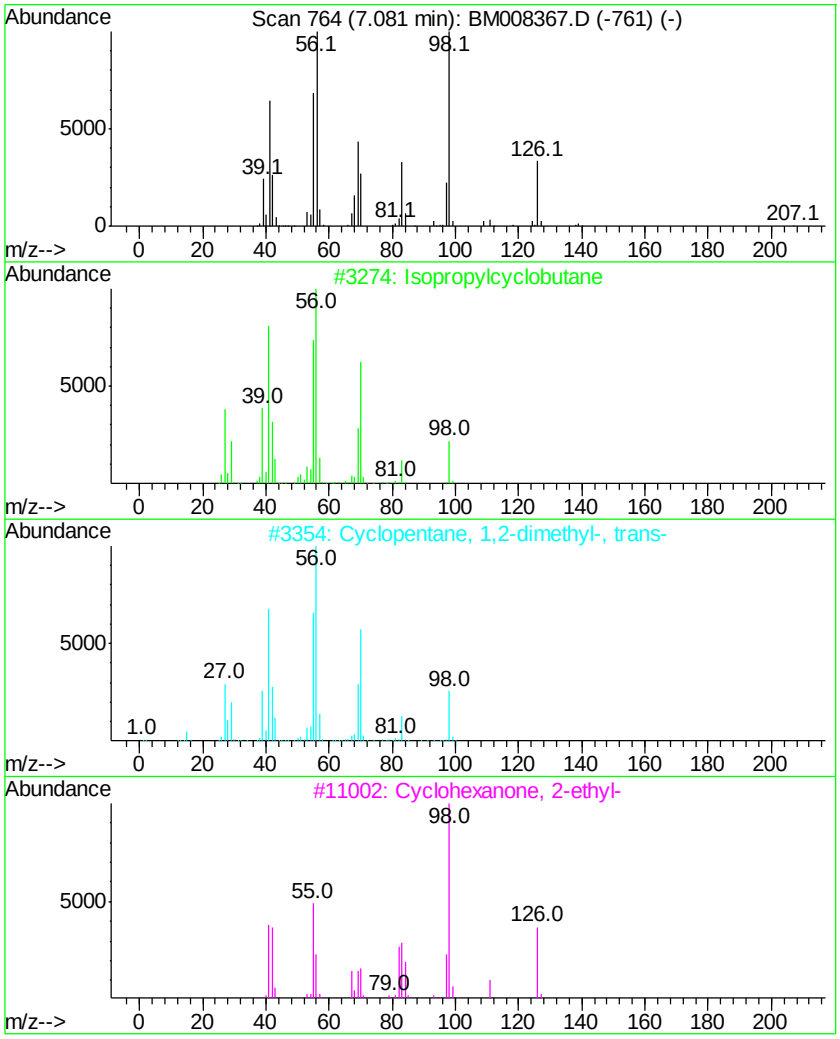
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

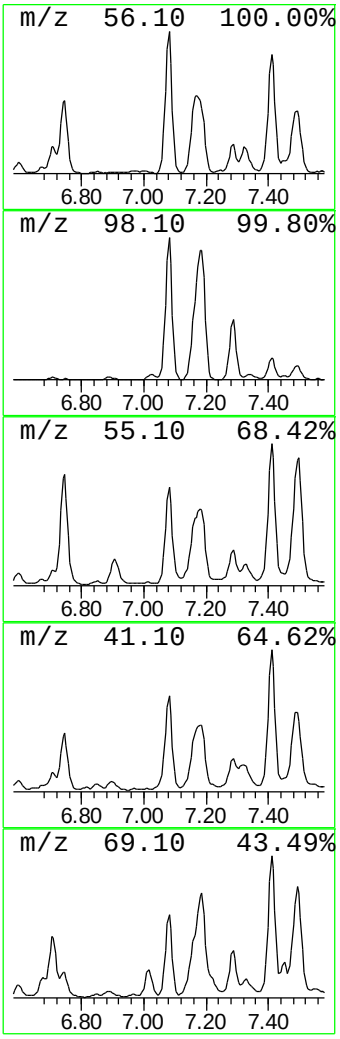
****

Peak Number 10 (DEL) Alkane: Cyclic7.08 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.08	16.87 ng/ul	3048930	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	68
2	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	58
3	Cyclohexanone, 2-ethyl-	126	C8H14O	004423-94-3	50
4	1-Butene, 2-ethyl-3-methyl-	98	C7H14	007357-93-9	50
5	Cyclobutanone, 2,2-dimethyl-	98	C6H10O	001192-14-9	46





Library Search Compound Report

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Acq On : 16 Dec 2016 05:40
Operator : UM/SJ
Sample : H6039-19
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8T3

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Quant Title : SVOA CALIBRATION

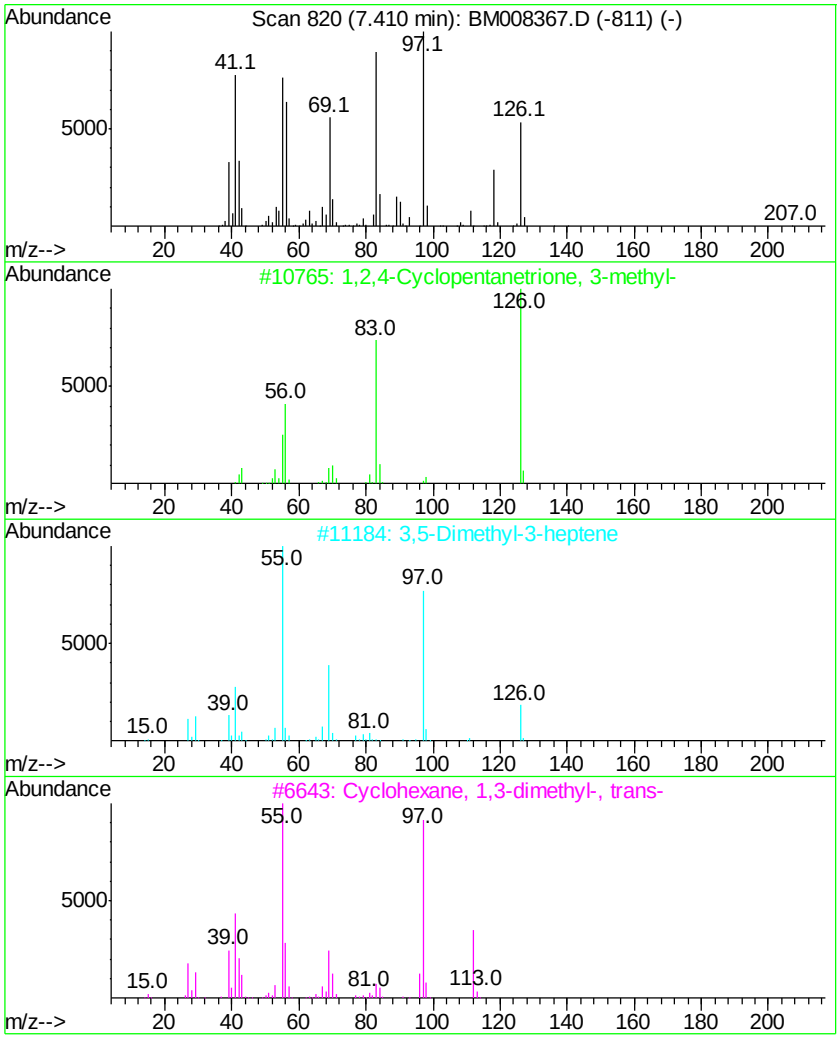
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

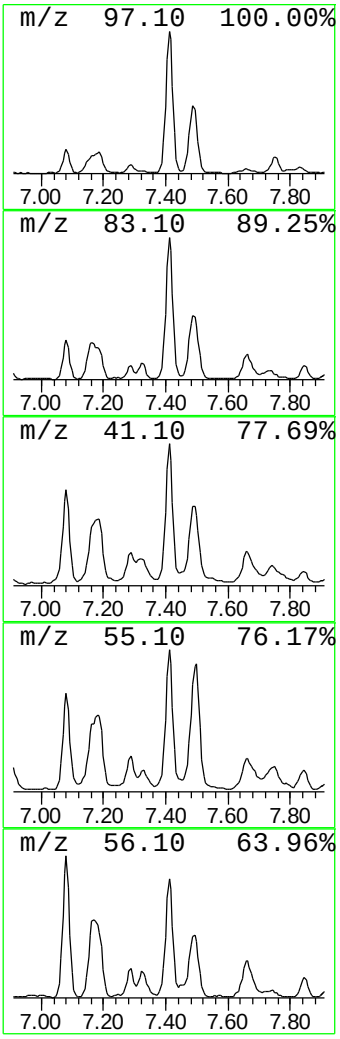
****

Peak Number 12 unknown-01 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.41	45.23 ng/ul	8174970	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4-Cyclopentanetrione, 3-methyl-	126	C6H6O3	004505-54-8	43
2	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	35
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	27
4	1,3-Dimethylcyclohexane,c&t	112	C8H16	000591-21-9	27
5	cis-3-Nonene	126	C9H18	020237-46-1	27





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Instrument : BNA_M
ClientSampleId : DA8T3

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Quant Title : SVOA CALIBRATION

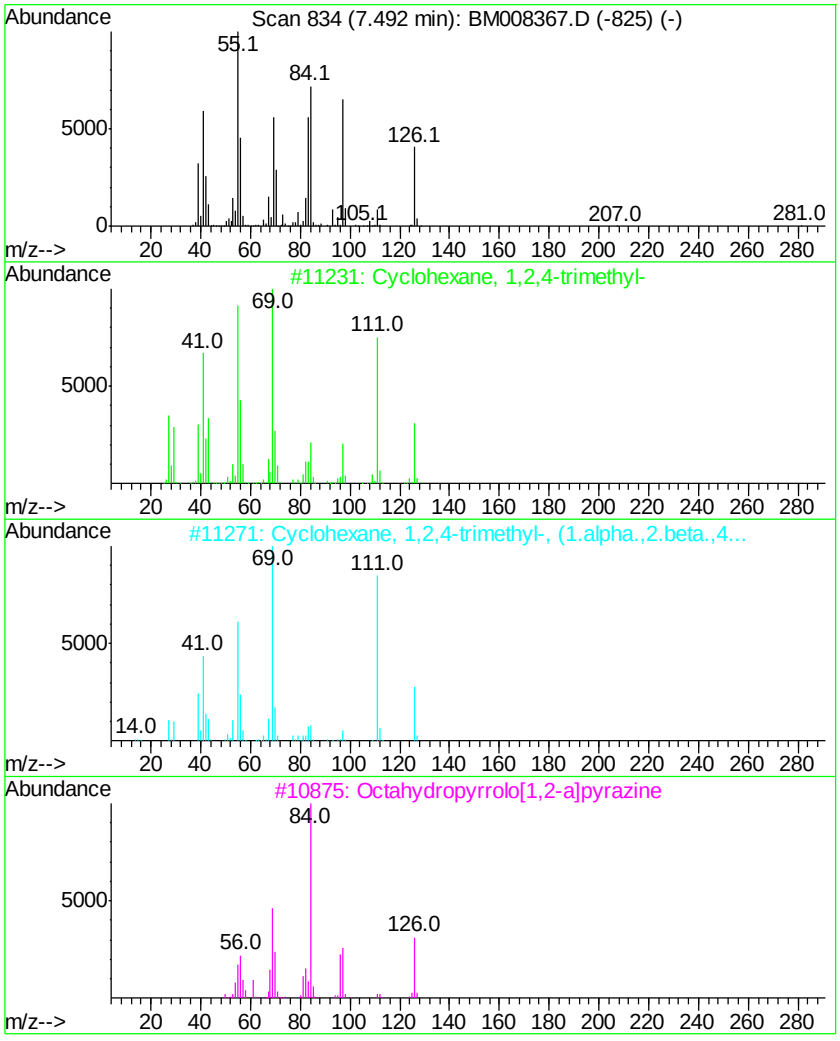
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

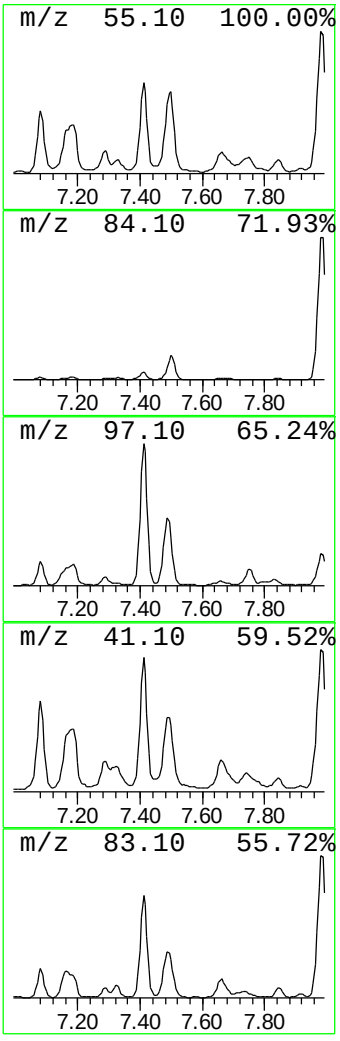
****

Peak Number 13 (DEL) Alkane: Cyclic7.49 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.49	25.45 ng/ul	4600530	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	58
2	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	49
3	Octahydropyrrolo[1,2-a]pyrazine	126	C7H14N2	005654-83-1	49
4	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	47
5	3,4-Dimethyl cyclohexanone	126	C8H14O	005465-09-8	43





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ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8T3

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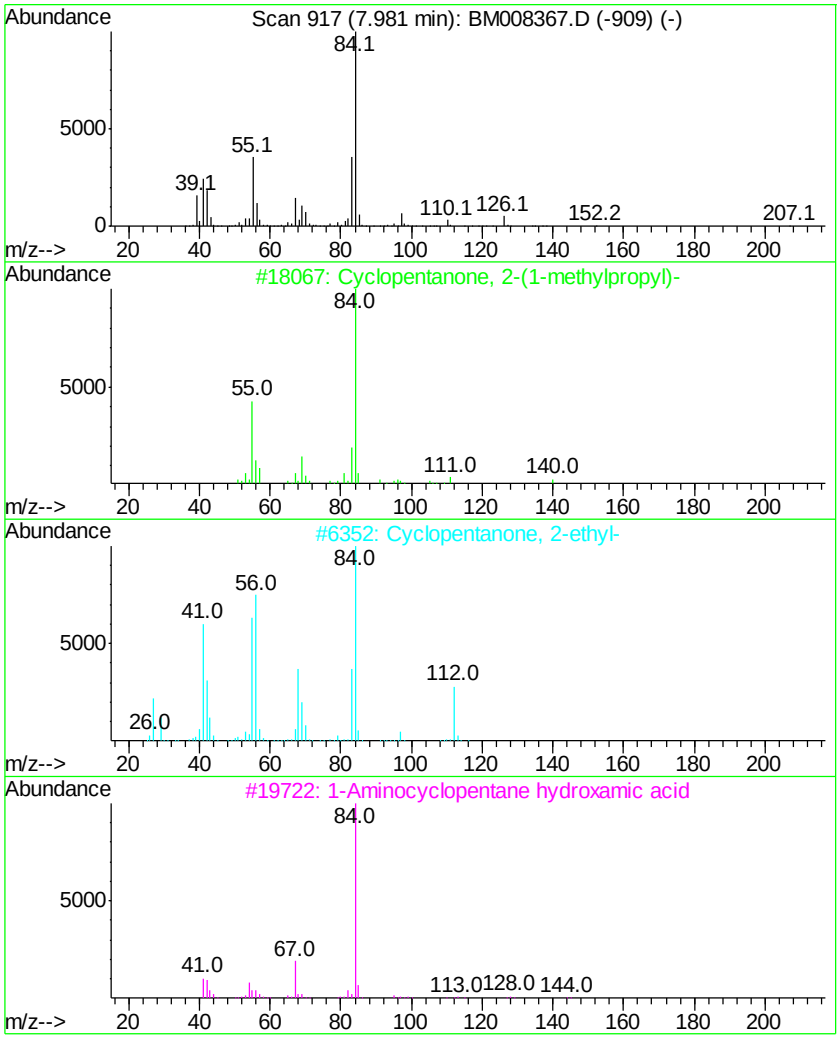
Quant Title : SVOA CALIBRATION

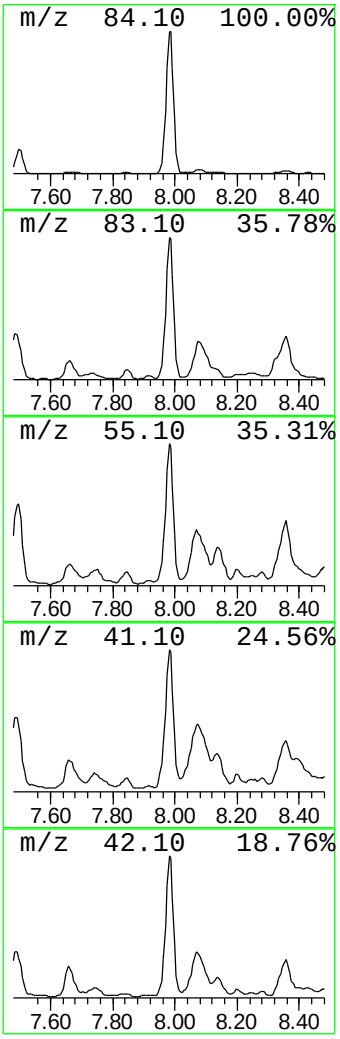
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Cyclopentanone, 2-(1-methyl... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.98	50.05 ng/ul	9046100	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 2-(1-methylpropyl)-	140	C9H16O	006376-92-7	64
2	Cyclopentanone, 2-ethyl-	112	C7H12O	004971-18-0	59
3	1-Aminocyclopentane hydroxamic acid	144	C6H12N2O2	062104-33-0	53
4	Cyclopentanone, 2-ethyl-	112	C7H12O	004971-18-0	50
5	2-Acetylpiperidine	127	C7H13NO	097073-22-8	47





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Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8T3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

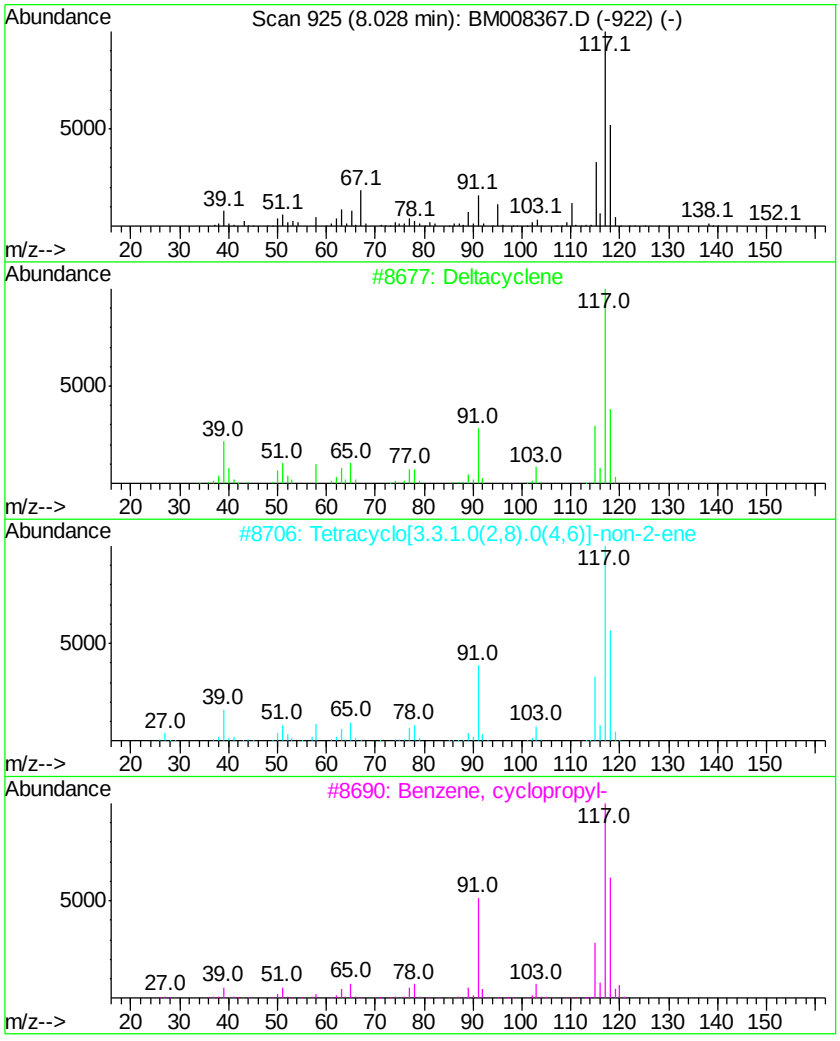
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

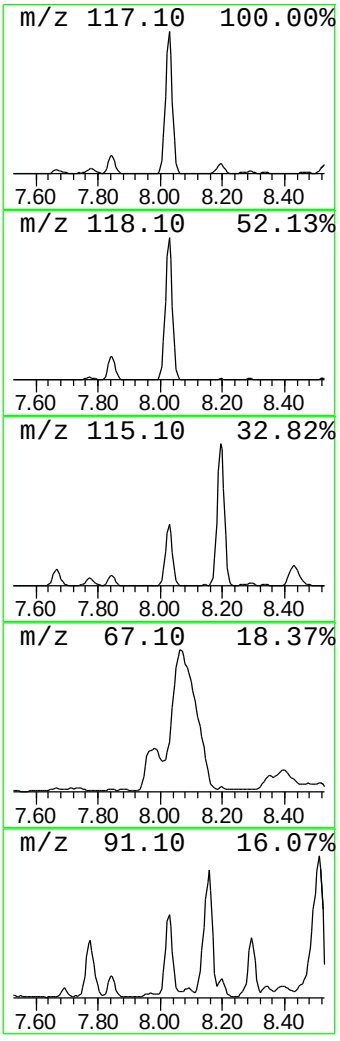
****

Peak Number 16 Deltacyclene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.03	26.48 ng/ul	4786960	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Deltacyclene	118	C9H10	007785-10-6	68
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	68
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	58
4	Indane	118	C9H10	000496-11-7	55
5	Indane	118	C9H10	000496-11-7	55





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Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8T3

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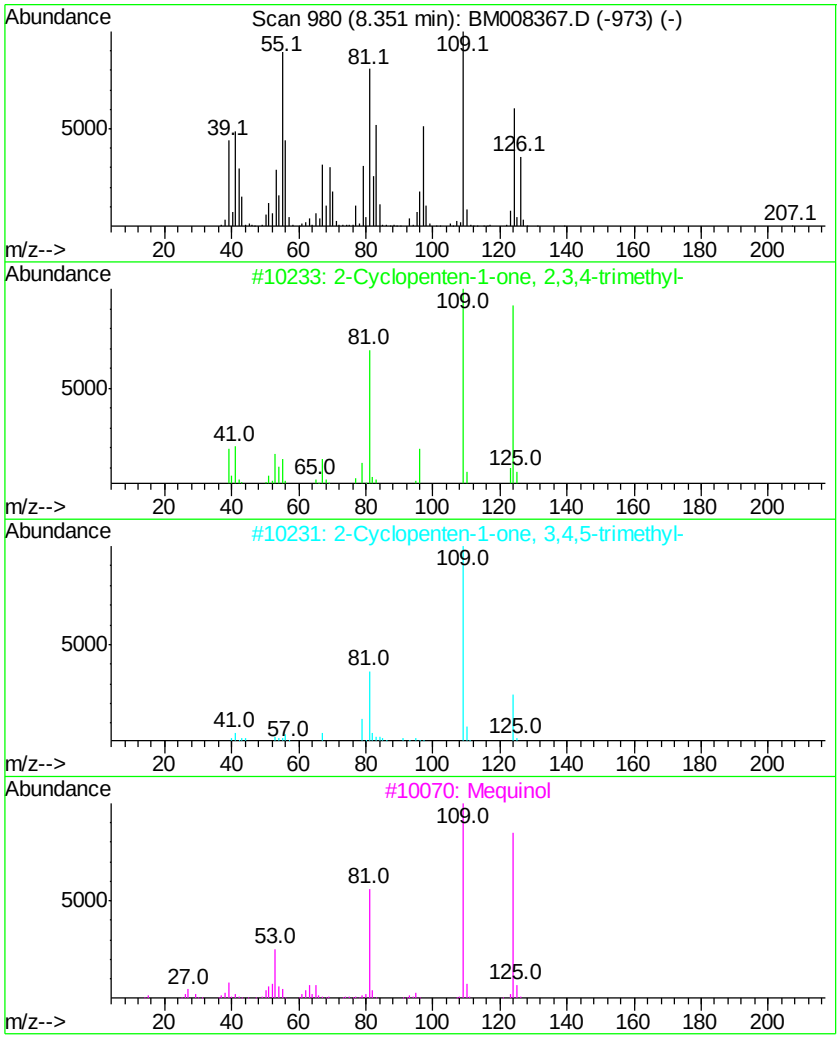
Quant Title : SVOA CALIBRATION

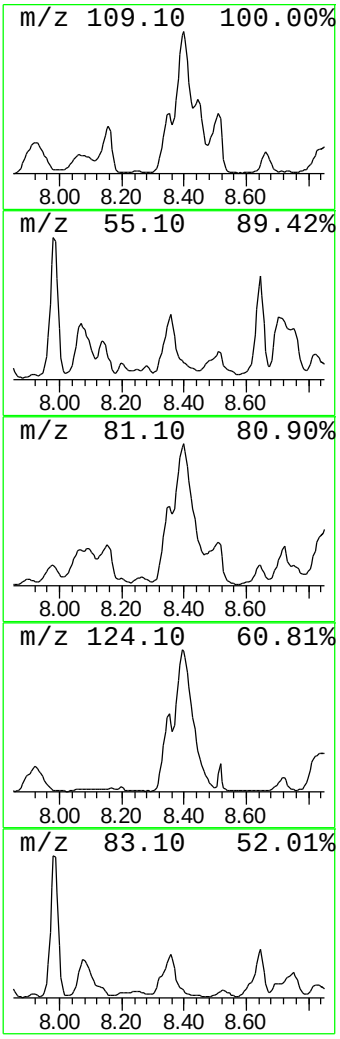
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 2-Cyclopenten-1-one, 2,3,4-... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.35	27.15 ng/ul	4907070	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclopenten-1-one, 2,3,4-trime...	124	C8H12O	028790-86-5	55
2	2-Cyclopenten-1-one, 3,4,5-trime...	124	C8H12O	055683-21-1	46
3	Mequinol	124	C7H8O2	000150-76-5	46
4	Mequinol	124	C7H8O2	000150-76-5	46
5	Phenol, 2-methoxy-	124	C7H8O2	000090-05-1	46





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ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8T3

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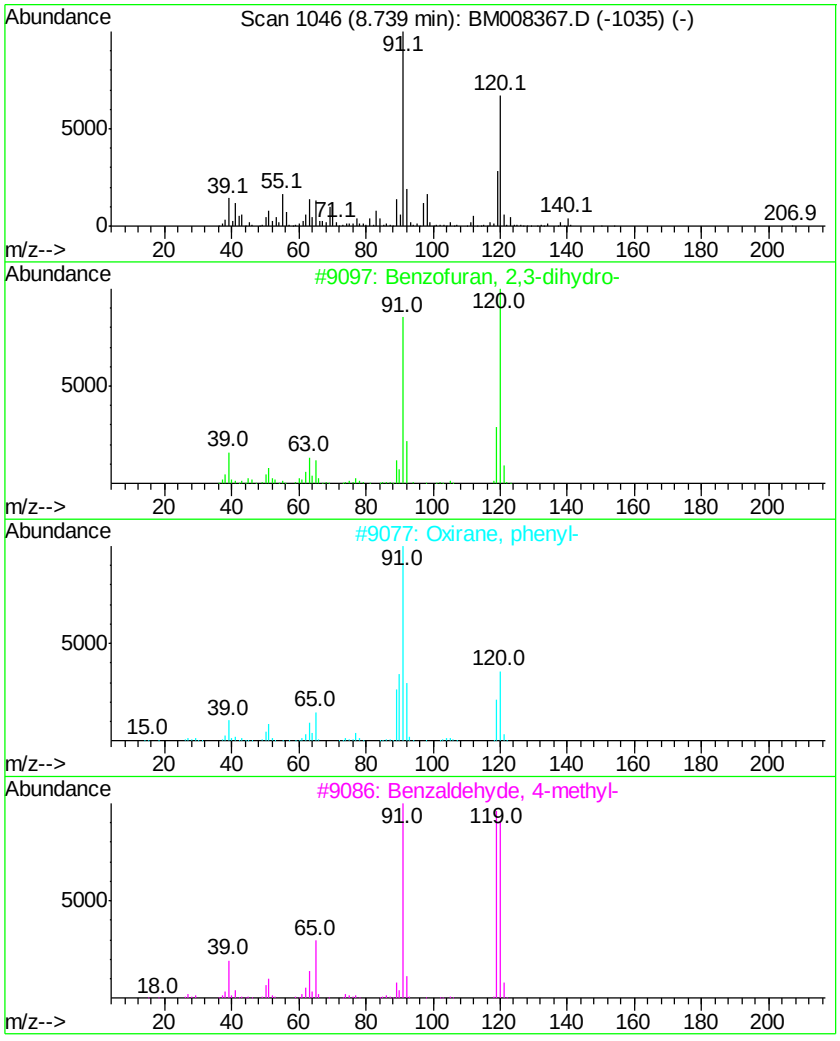
Quant Title : SVOA CALIBRATION

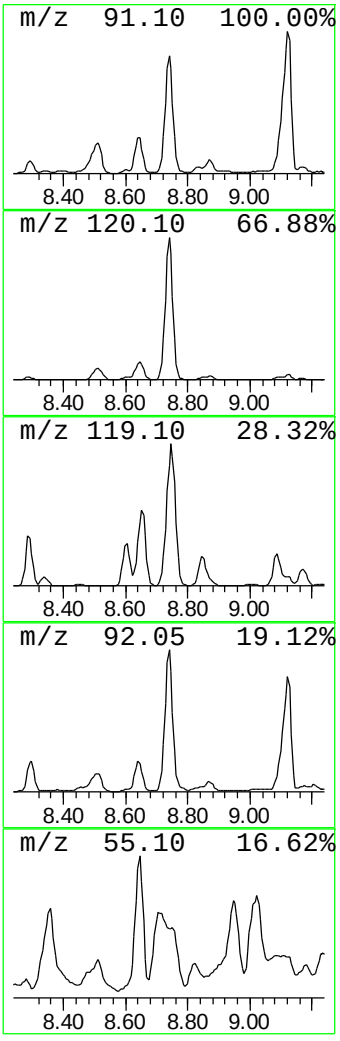
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Benzofuran, 2,3-dihydro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.74	62.12 ng/ul	11227600	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2,3-dihydro-	120	C8H8O	000496-16-2	86
2	Oxirane, phenyl-	120	C8H8O	000096-09-3	53
3	Benzaldehyde, 4-methyl-	120	C8H8O	000104-87-0	50
4	Benzaldehyde, 2-methyl-	120	C8H8O	000529-20-4	50
5	Bicyclo[4.2.0]octa-1,3,5-trien-7-ol	120	C8H8O	035447-99-5	50





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Sample : H6039-19
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8T3

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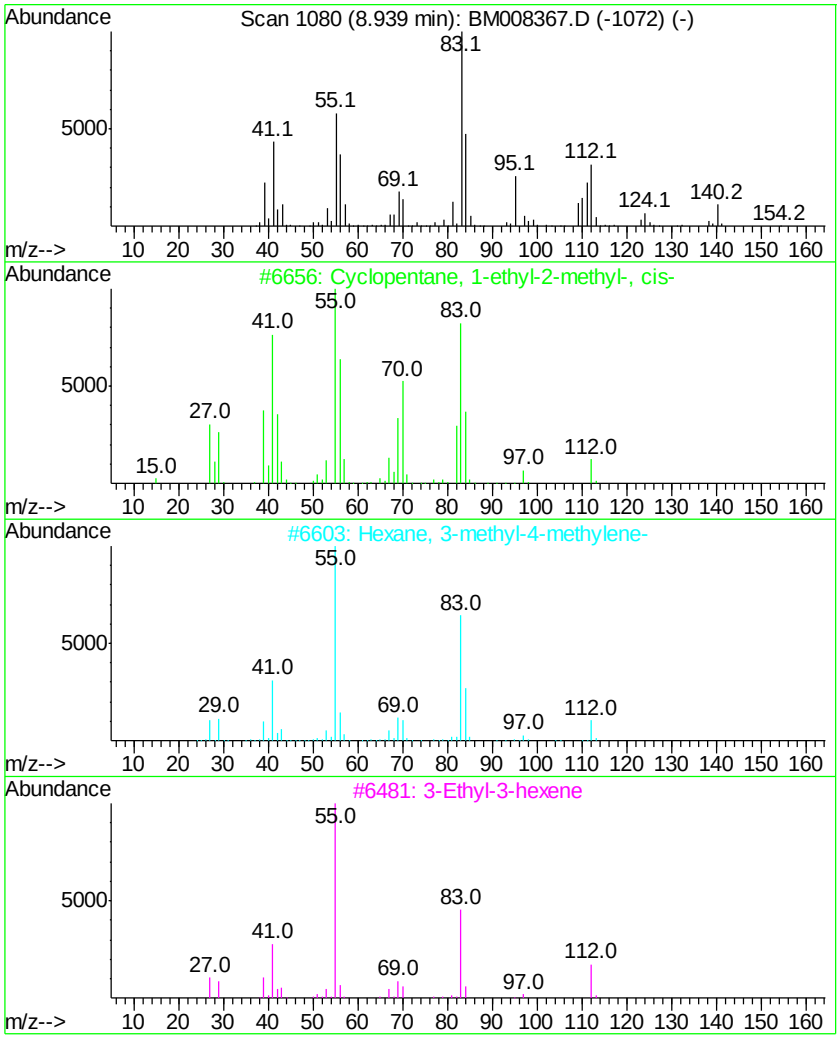
Quant Title : SVOA CALIBRATION

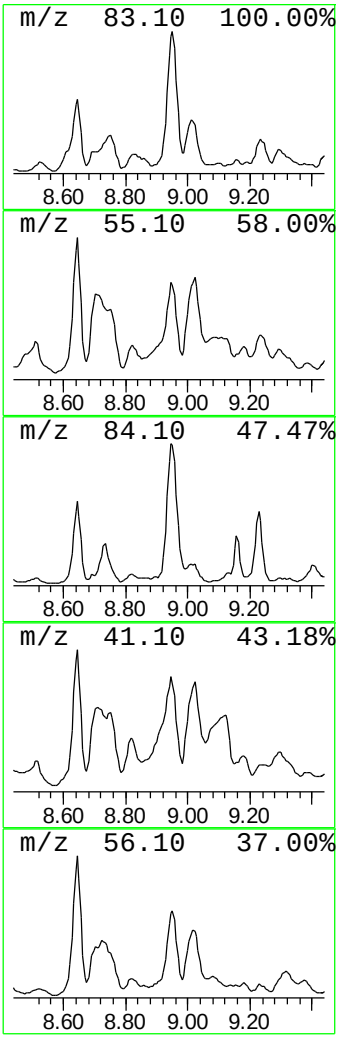
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Cyclic8.94 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.94	44.33 ng/ul	8012210	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	50
2	Hexane, 3-methyl-4-methylene-	112	C8H16	003404-67-9	47
3	3-Ethyl-3-hexene	112	C8H16	016789-51-8	43
4	1-Propanone, 1-cyclohexyl-	140	C9H16O	001123-86-0	38
5	3-Ethyl-2-hexene	112	C8H16	000620-00-8	38





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Instrument : BNA_M
ClientSampleId : DA8T3

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Quant Title : SVOA CALIBRATION

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

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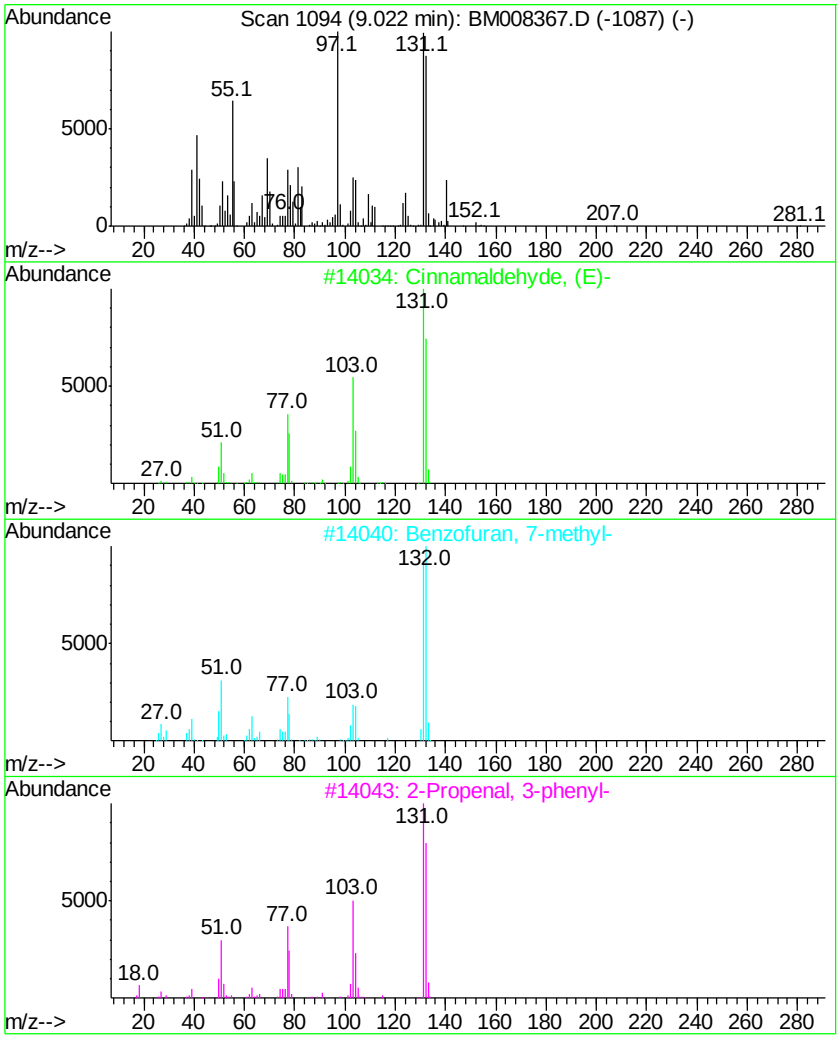
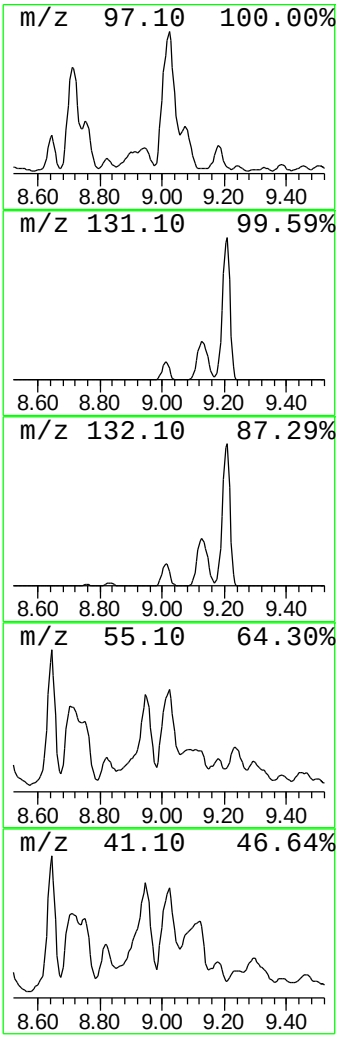
Peak Number 22 Cinnamaldehyde, (E)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.02	45.87 ng/ul	8291220	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	89
2	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	89
3	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	89
4	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	76
5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	76





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Misc :
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Instrument : BNA_M
ClientSampleId : DA8T3

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Quant Title : SVOA CALIBRATION

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

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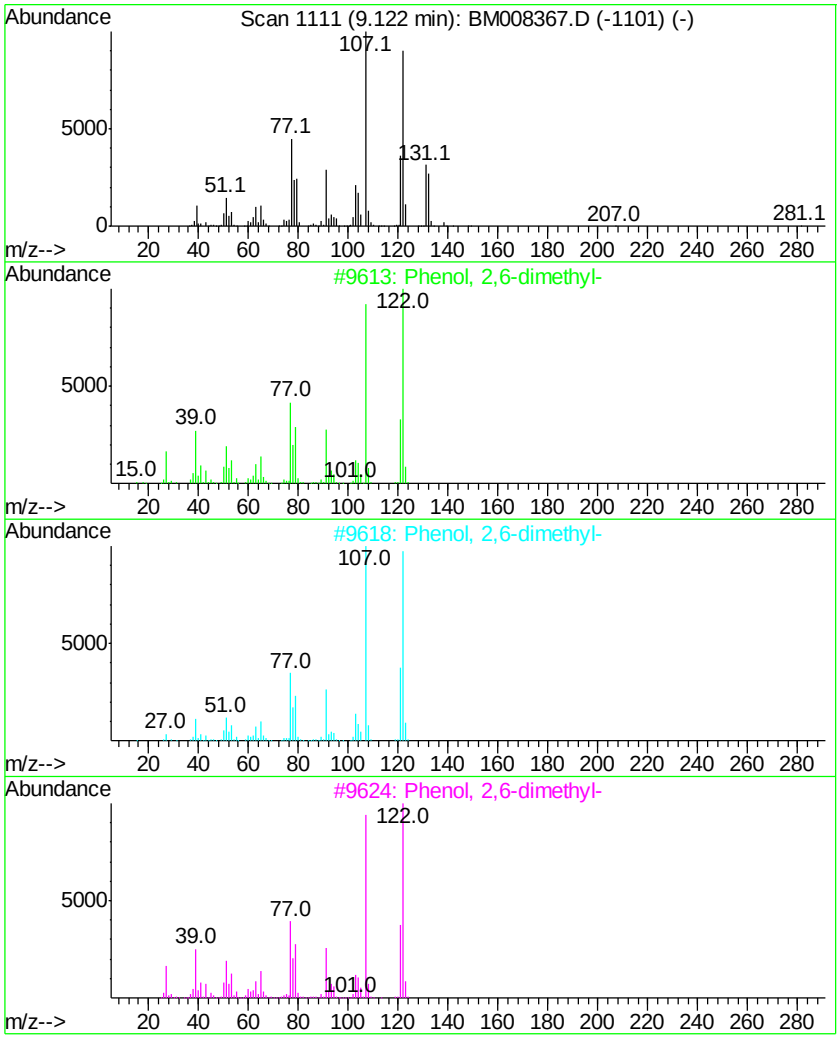
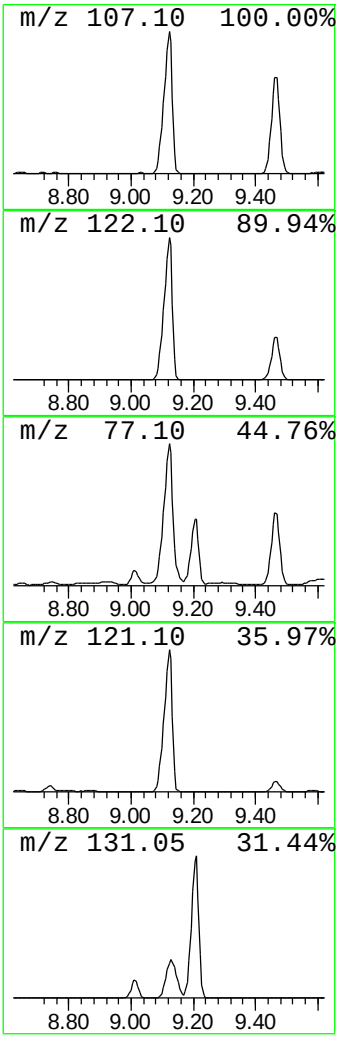
Peak Number 23 Phenol, 2,6-dimethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.12	20.33 ng/ul	42866100	Naphthalene-d8	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	96
2	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	94
3	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	87
4	Phenol, 2,5-dimethyl-	122	C8H10O	000095-87-4	81
5	Phenol, 2,3-dimethyl-	122	C8H10O	000526-75-0	76





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Instrument : BNA_M
ClientSampleId : DA8T3

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Quant Title : SVOA CALIBRATION

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

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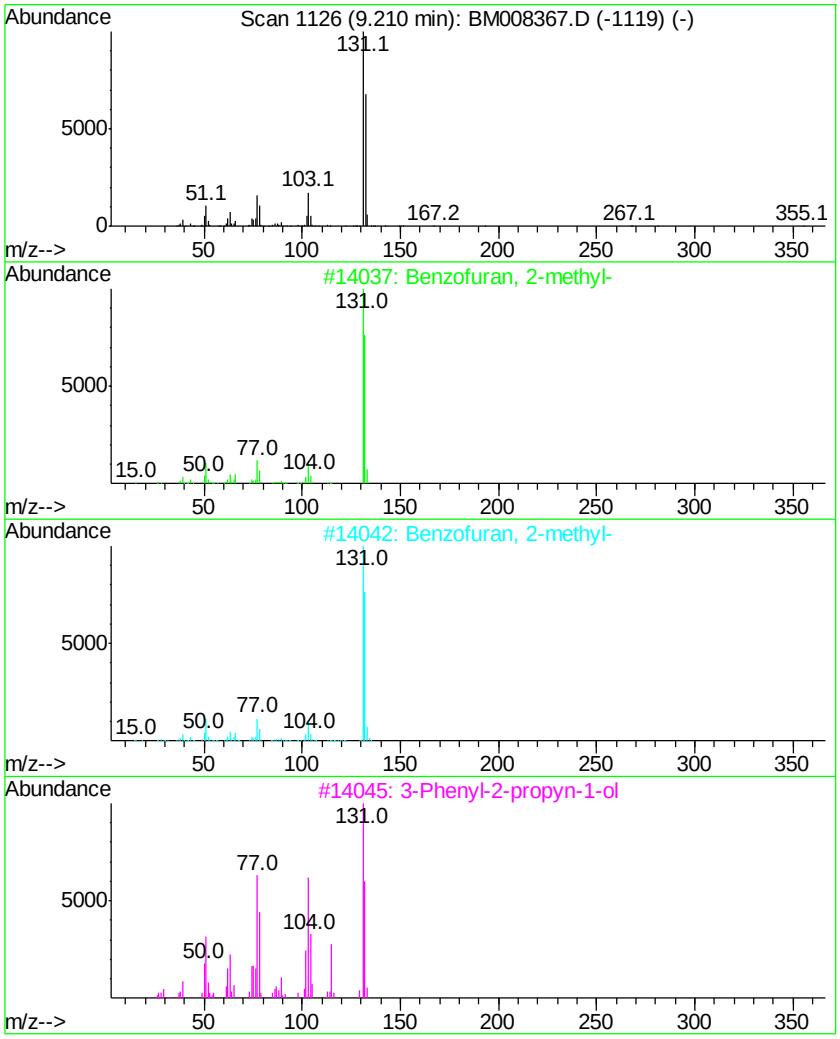
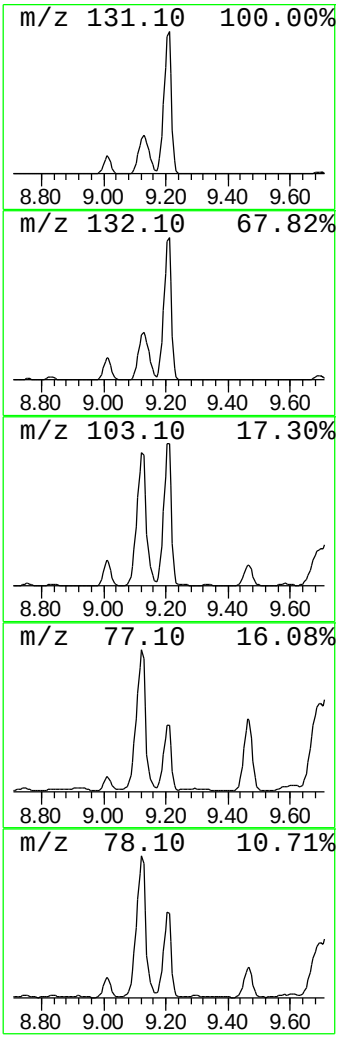
Peak Number 24 Benzofuran, 2-methyl- Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.21	9.11 ng/ul	19212200	Naphthalene-d8	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
3	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
4	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90
5	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	78





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Instrument : BNA_M
ClientSampleId : DA8T3

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Quant Title : SVOA CALIBRATION

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

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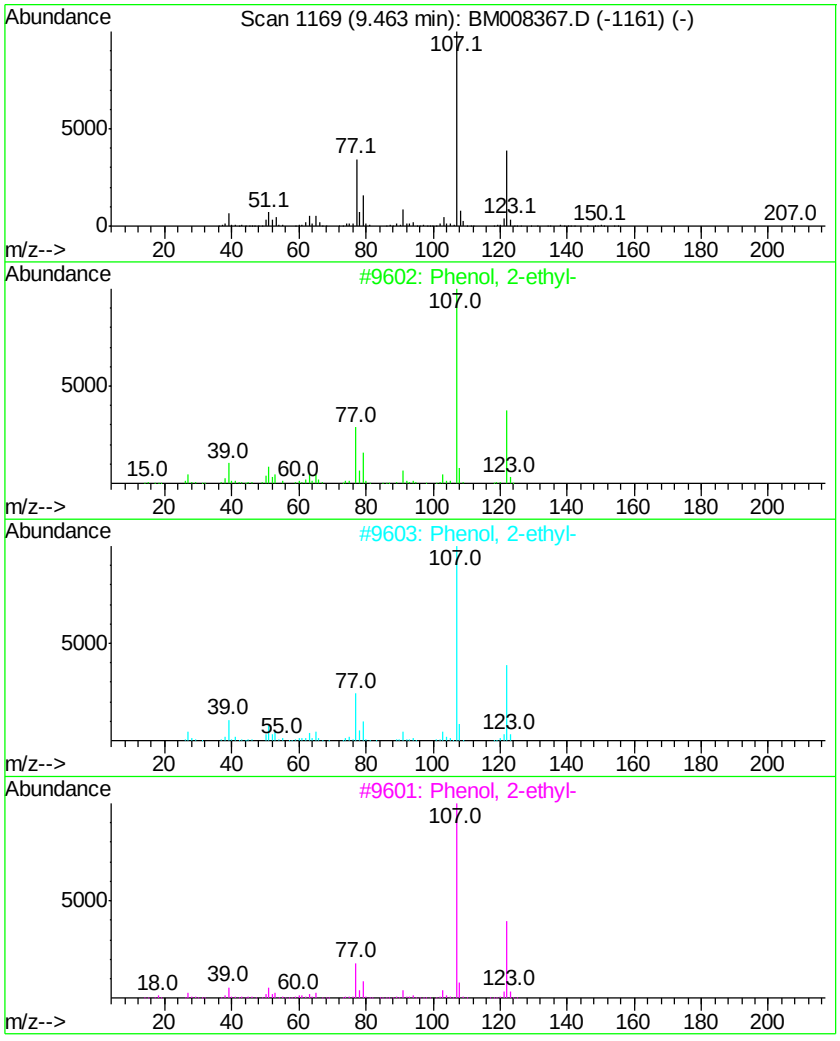
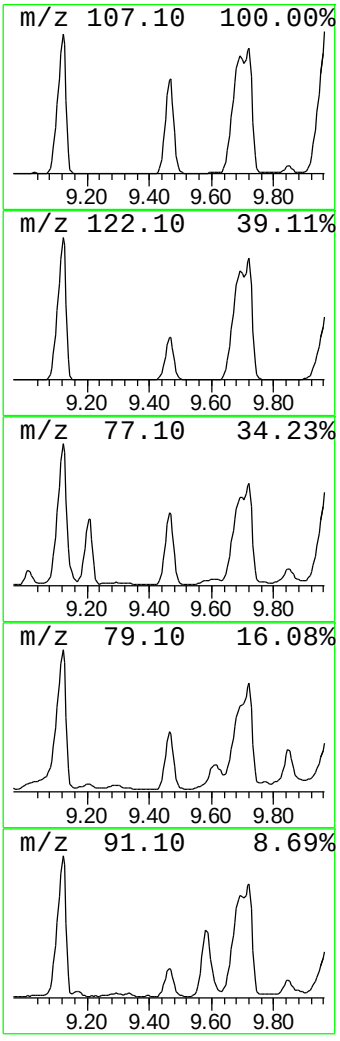
Peak Number 25 Phenol, 2-ethyl- Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.46	5.84 ng/ul	12324200	Naphthalene-d8	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-ethyl-	122	C8H10O	000090-00-6	97
2	Phenol, 2-ethyl-	122	C8H10O	000090-00-6	91
3	Phenol, 2-ethyl-	122	C8H10O	000090-00-6	91
4	Phenol, 3,4-dimethyl-	122	C8H10O	000095-65-8	90
5	Phenol, 3,4-dimethyl-	122	C8H10O	000095-65-8	90





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Sample : H6039-19
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8T3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

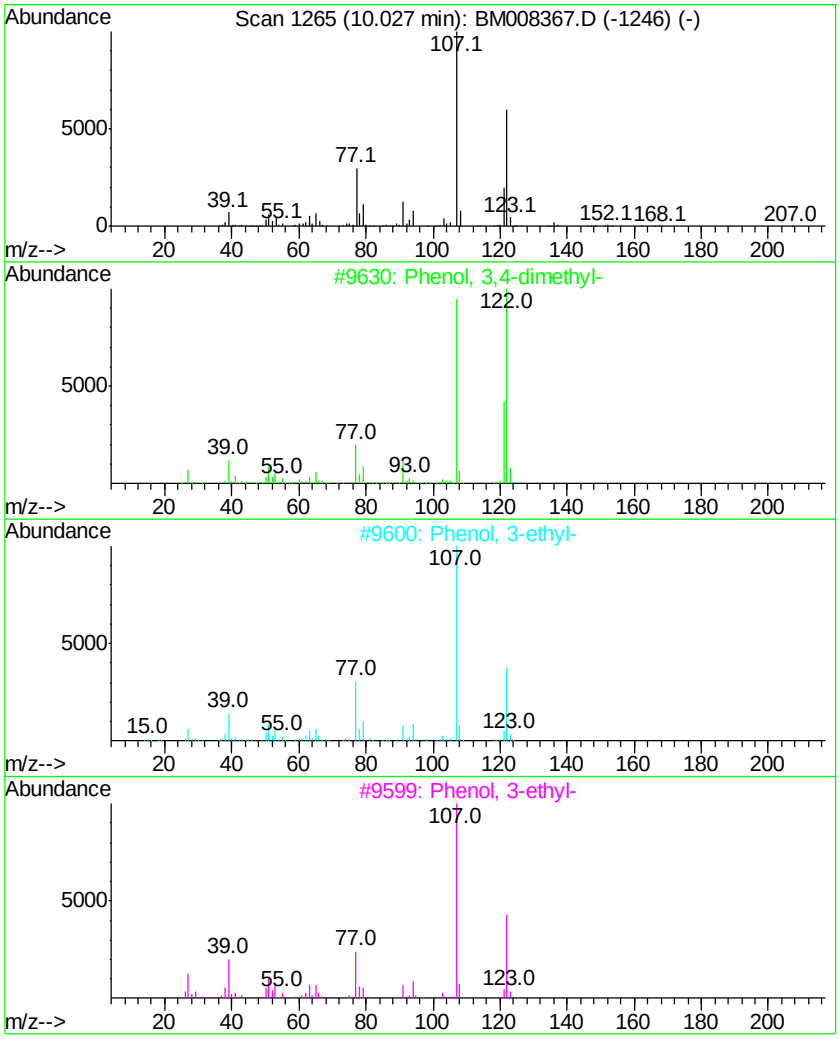
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

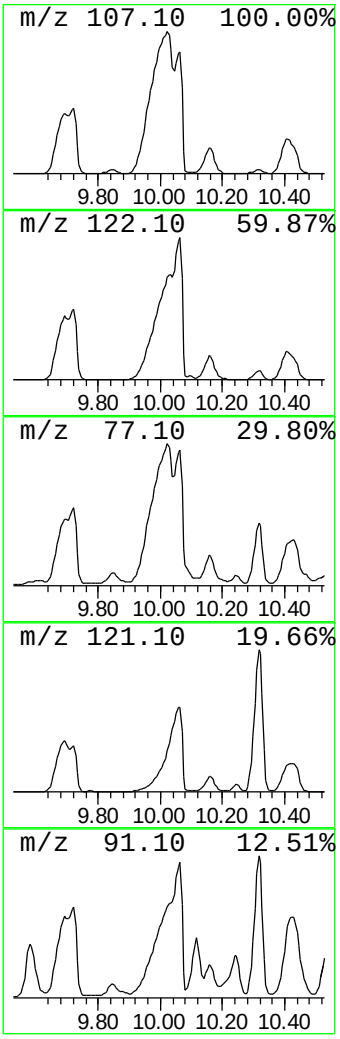
****

Peak Number 28 Phenol, 3,4-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.03	39.33 ng/ul	82925800	Naphthalene-d8	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3,4-dimethyl-	122	C8H10O	000095-65-8	91
2	Phenol, 3-ethyl-	122	C8H10O	000620-17-7	91
3	Phenol, 3-ethyl-	122	C8H10O	000620-17-7	91
4	Phenol, 2-ethyl-	122	C8H10O	000090-00-6	90
5	Phenol, 3,5-dimethyl-	122	C8H10O	000108-68-9	90





Data Path : Z:\HPCHEM1\BNA M\Data\BM121616\
Data File : BM008367.D
Acq On : 16 Dec 2016 05:40
Operator : UM/SJ
Sample : H6039-19
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8T3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

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

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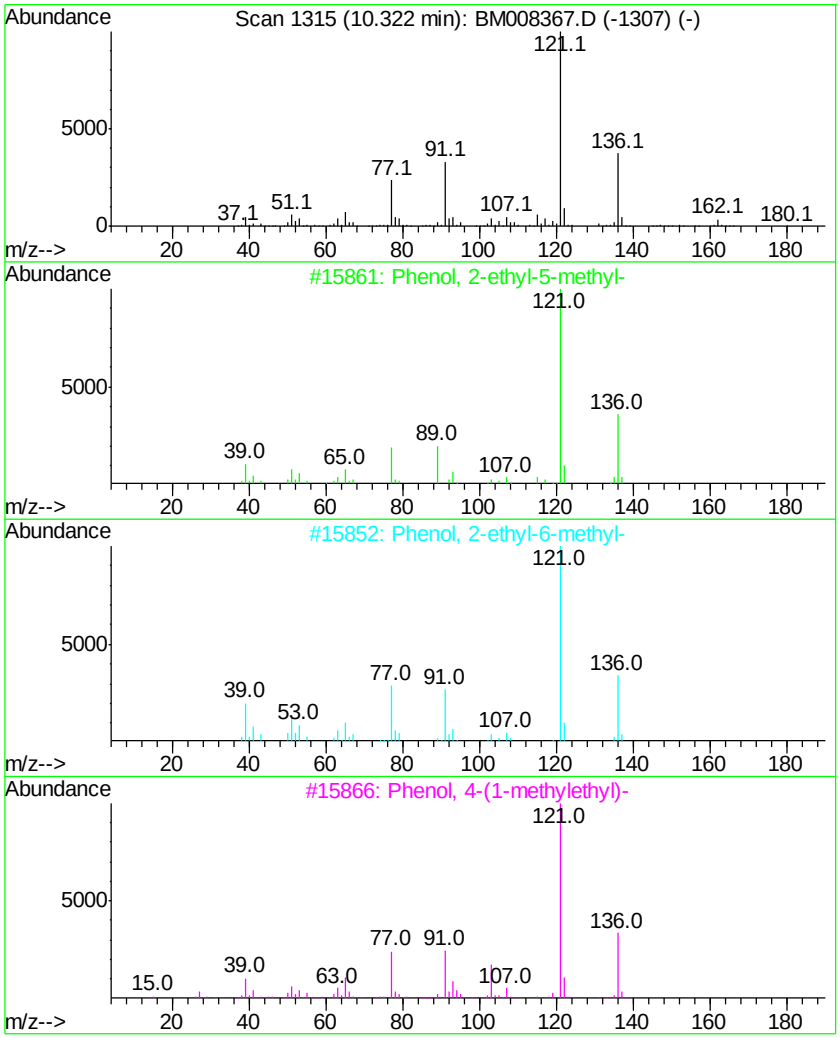
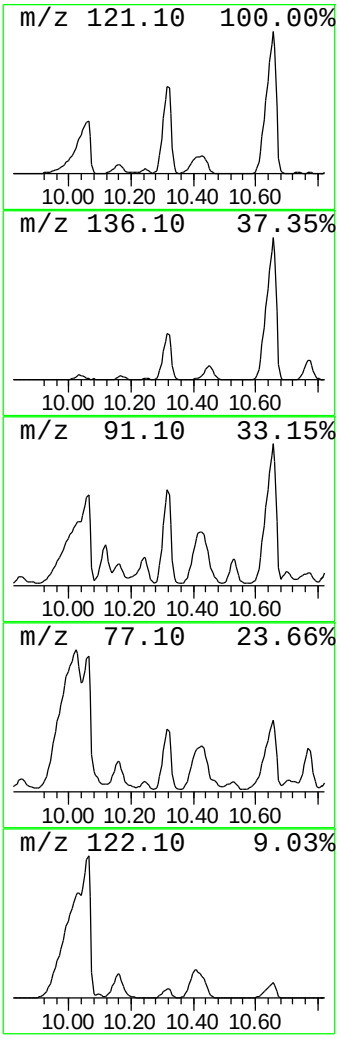
Peak Number 29 Phenol, 2-ethyl-5-methyl- Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	9.15 ng/ul	19284400	Naphthalene-d8	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-ethyl-5-methyl-	136	C9H12O	001687-61-2	91
2	Phenol, 2-ethyl-6-methyl-	136	C9H12O	001687-64-5	90
3	Phenol, 4-(1-methylethyl)-	136	C9H12O	000099-89-8	87
4	Phenol, 2-ethyl-5-methyl-	136	C9H12O	001687-61-2	87
5	Phenol, 2-(1-methylethyl)-	136	C9H12O	000088-69-7	86





Data Path : Z:\HPCHEM1\BNA M\Data\BM121616\
Data File : BM008367.D
Acq On : 16 Dec 2016 05:40
Operator : UM/SJ
Sample : H6039-19
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8T3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

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

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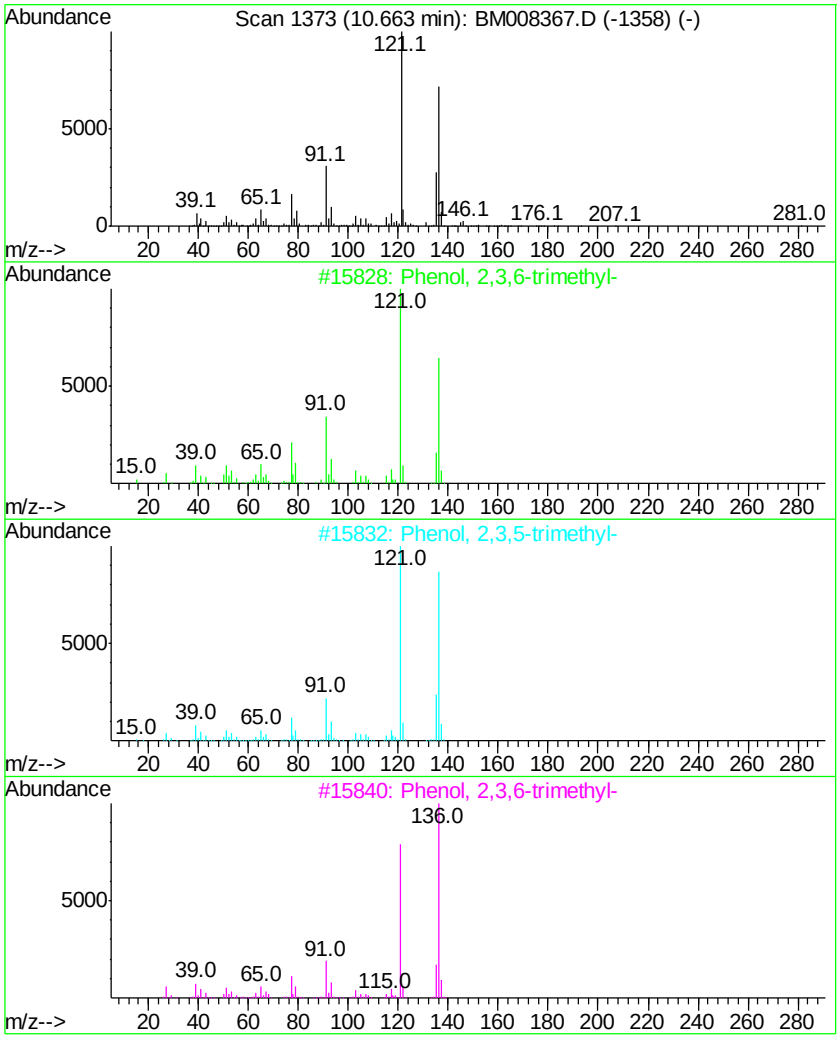
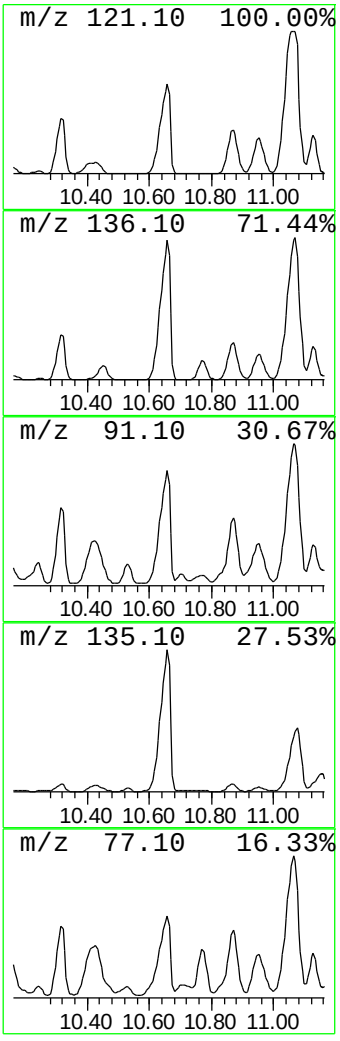
Peak Number 30 Phenol, 2,3,6-trimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	26.63 ng/ul	56149000	Naphthalene-d8	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,3,6-trimethyl-	136	C9H12O	002416-94-6	97
2	Phenol, 2,3,5-trimethyl-	136	C9H12O	000697-82-5	95
3	Phenol, 2,3,6-trimethyl-	136	C9H12O	002416-94-6	95
4	Phenol, 2,4,6-trimethyl-	136	C9H12O	000527-60-6	95
5	Phenol, 2,3,6-trimethyl-	136	C9H12O	002416-94-6	94





Data Path : Z:\HPCHEM1\BNA M\Data\BM121616\
Data File : BM008367.D
Acq On : 16 Dec 2016 05:40
Operator : UM/SJ
Sample : H6039-19
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8T3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

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

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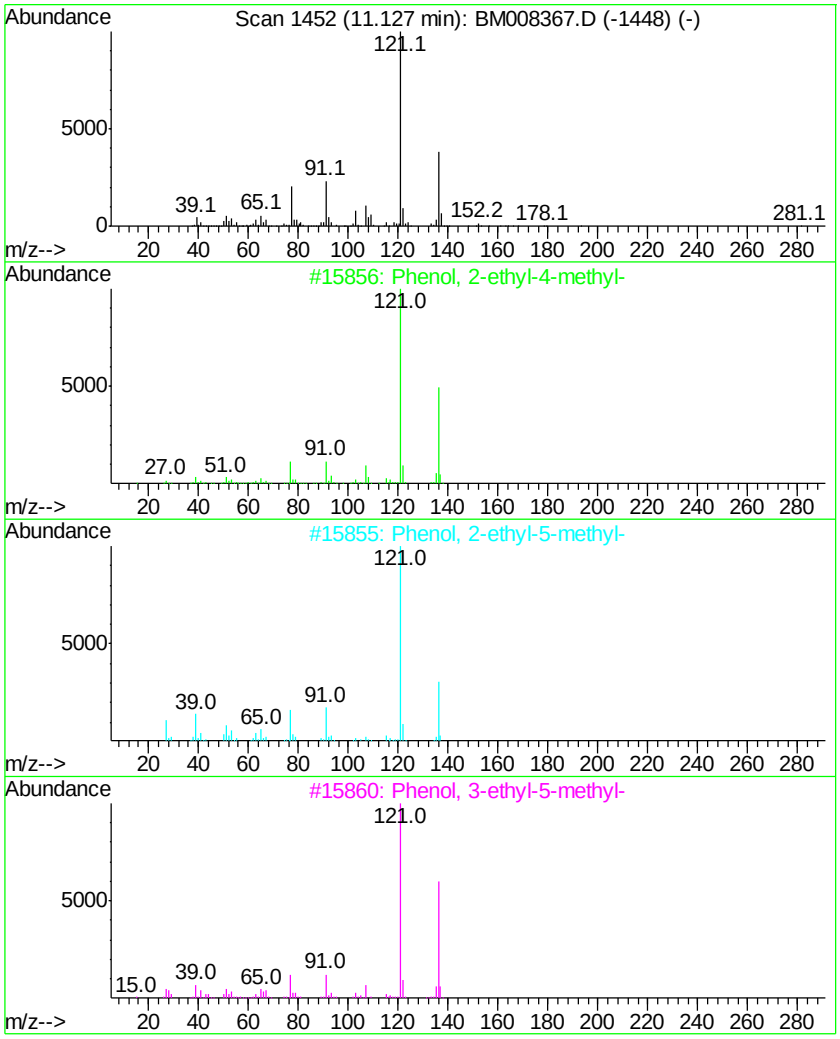
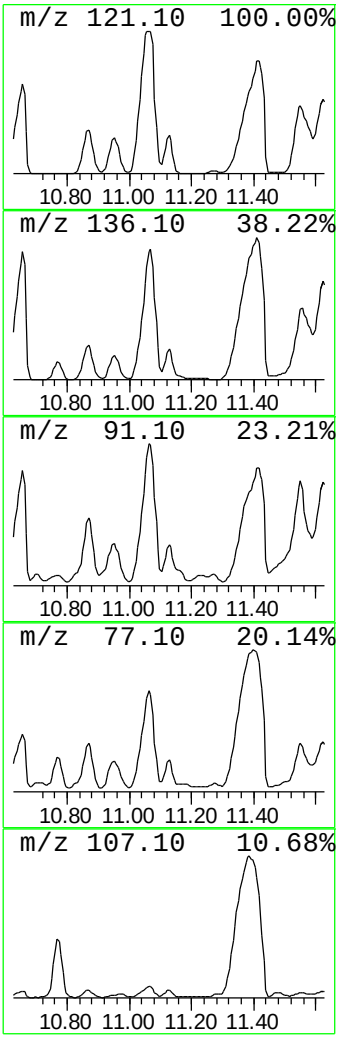
Peak Number 37 Phenol, 2-ethyl-4-methyl- Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	6.02 ng/ul	12690300	Naphthalene-d8	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-ethyl-4-methyl-	136	C9H12O	003855-26-3	91
2	Phenol, 2-ethyl-5-methyl-	136	C9H12O	001687-61-2	90
3	Phenol, 3-ethyl-5-methyl-	136	C9H12O	000698-71-5	90
4	Phenol, 2-ethyl-6-methyl-	136	C9H12O	001687-64-5	87
5	1,3-Cyclohexadiene, 1-methyl-4-(...	136	C10H16	000099-86-5	86





Data Path : Z:\HPCHEM1\BNA M\Data\BM121616\
Data File : BM008367.D
Acq On : 16 Dec 2016 05:40
Operator : UM/SJ
Sample : H6039-19
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8T3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

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

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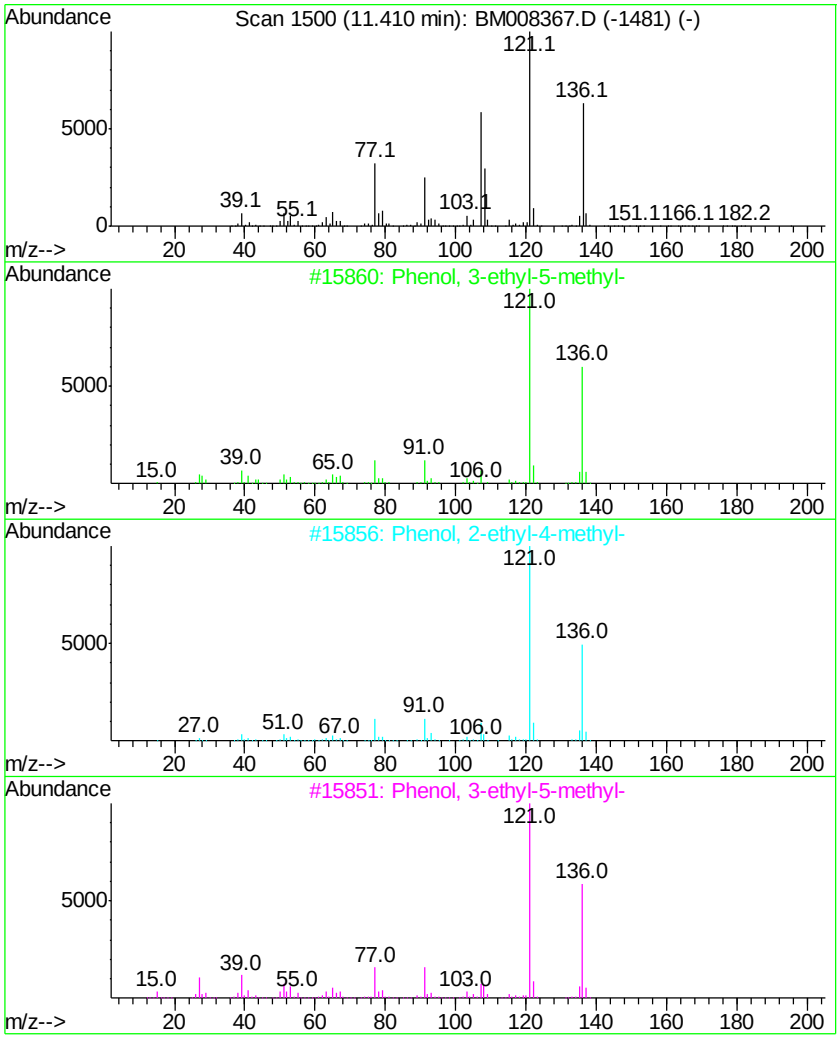
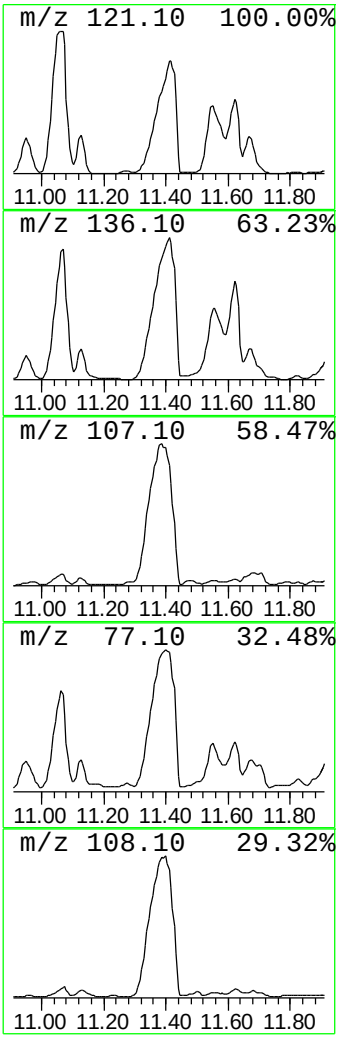
Peak Number 38 Phenol, 3-ethyl-5-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	69.21 ng/ul	145946000	Naphthalene-d8	10.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-ethyl-5-methyl-	136	C9H12O	000698-71-5	76
2	Phenol, 2-ethyl-4-methyl-	136	C9H12O	003855-26-3	68
3	Phenol, 3-ethyl-5-methyl-	136	C9H12O	000698-71-5	62
4	Benzene, 1-ethyl-4-methoxy-	136	C9H12O	001515-95-3	62
5	Benzene, 1-ethyl-4-methoxy-	136	C9H12O	001515-95-3	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121616\
Data File : BM008367.D
Acq On : 16 Dec 2016 05:40
Operator : UM/SJ
Sample : H6039-19
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8T3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Ethanone, 1-(2-fu...	4.26	17.5	ng/ul	3160120	1	7.67	3615060	20.0
Cyclopentanone, 2...	4.92	38.8	ng/ul	7013550	1	7.67	3615060	20.0
Cyclopentanone, 2...	6.42	39.0	ng/ul	7040420	1	7.67	3615060	20.0
Benzene, 1-ethyl-...	6.75	24.4	ng/ul	4407290	1	7.67	3615060	20.0
(DEL) Alkane: Cyc...	7.08	16.9	ng/ul	3048930	1	7.67	3615060	20.0
unknown-01	7.41	45.2	ng/ul	8174970	1	7.67	3615060	20.0
(DEL) Alkane: Cyc...	7.49	25.4	ng/ul	4600530	1	7.67	3615060	20.0
Cyclopentanone, 2...	7.98	50.0	ng/ul	9046100	1	7.67	3615060	20.0
Deltacyclene	8.03	26.5	ng/ul	4786960	1	7.67	3615060	20.0
2-Cyclopenten-1-o...	8.35	27.1	ng/ul	4907070	1	7.67	3615060	20.0
Benzofuran, 2,3-d...	8.74	62.1	ng/ul	11227600	1	7.67	3615060	20.0
(DEL) Alkane: Cyc...	8.94	44.3	ng/ul	8012210	1	7.67	3615060	20.0
Cinnamaldehyde, (E)-	9.02	45.9	ng/ul	8291220	1	7.67	3615060	20.0
Phenol, 2,6-dimet...	9.12	20.3	ng/ul	42866100	2	10.45	42172600	20.0
Benzofuran, 2-met...	9.21	9.1	ng/ul	19212200	2	10.45	42172600	20.0
Phenol, 2-ethyl-	9.46	5.8	ng/ul	12324200	2	10.45	42172600	20.0
Phenol, 3,4-dimet...	10.03	39.3	ng/ul	82925800	2	10.45	42172600	20.0
Phenol, 2-ethyl-5...	10.32	9.2	ng/ul	19284400	2	10.45	42172600	20.0
Phenol, 2,3,6-tri...	10.66	26.6	ng/ul	56149000	2	10.45	42172600	20.0
Phenol, 2-ethyl-4...	11.13	6.0	ng/ul	12690300	2	10.45	42172600	20.0
Phenol, 3-ethyl-5...	11.41	69.2	ng/ul	145946000	2	10.45	42172600	20.0