LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032819\
Data File : BM019569.D
Acq On : 29 Mar 2019 08:16
Operator : JU/SJ
Sample : K2063-08DL2 20X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DB6R8DL2

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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.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	3.346	58	61	63	rBV2	20043	24243	0.17%	0.033%
2	3.375	63	66	74	rVB	142442	195736	1.35%	0.270%
3	3.628	101	109	120	rVB	104836	191719	1.33%	0.265%
4	3.822	136	142	161	rBV	9645894	14333713	99.08%	19.781%
5	3.975	164	168	173	rBV2	42988	65944	0.46%	0.091%
6	4.028	173	177	179	rBV	31756	38857	0.27%	0.054%
7	4.122	188	193	208	rVB2	34047	75507	0.52%	0.104%
8	4.593	269	273	288	rBV	121091	222350	1.54%	0.307%
9	4.728	293	296	299	rVV3	14074	22588	0.16%	0.031%
10	4.769	299	303	308	rVV	186597	278654	1.93%	0.385%
11	4.822	308	312	323	rVB	100137	188402	1.30%	0.260%
12	5.040	344	349	354	rBV	58304	87262	0.60%	0.120%
13	5.104	354	360	371	rVV	2919761	4290865	29.66%	5.921%
14	5.240	376	383	396	rVV	7037593	14466896	100.00%	19.965%
15	5.398	407	410	416	rVB2	22025	30845	0.21%	0.043%
16	5.451	416	419	424	rVV2	15624	24283	0.17%	0.034%
17	5.510	425	429	435	rVB	36759	57081	0.39%	0.079%
18	5.598	435	444	454	rBV	4905376	7434496	51.39%	10.260%
19	5.687	454	459	462	rVV2	78313	126529	0.87%	0.175%
20	5.722	462	465	477	rVB	45564	75471	0.52%	0.104%
21	5.957	499	505	512	rVB4	10533	18150	0.13%	0.025%
22	6.075	515	525	537	rBV2	159056	357535	2.47%	0.493%
23	6.175	537	542	550	rBV	32617	60568	0.42%	0.084%
24	6.251	550	555	564	rVB	87376	144378	1.00%	0.199%
25	6.328	564	568	575	rVB3	9291	15286	0.11%	0.021%
26	6.416	576	583	587	rBV5	30580	71635	0.50%	0.099%
27	6.551	601	606	614	rVB	306581	457683	3.16%	0.632%
28	6.657	614	624	630	rBV	1379661	2083543	14.40%	2.875%
29	6.716	630	634	641	rVV	538386	796877	5.51%	1.100%
30	6.792	641	647	654	rVB	627896	930573	6.43%	1.284%
31	6.957	669	675	686	rVV	619880	977781	6.76%	1.349%
32	7.057	688	692	698	rVV3	21312	33694	0.23%	0.046%
33	7.128	698	704	707	rVV5	21630	41576	0.29%	0.057%
34	7.163	707	710	712	rVV3	21470	30007	0.21%	0.041%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K2063-08DL2 20X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DB6R8DL2

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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Title : SVOA CALIBRATION

35	7.216	712	719	730	rVV	2557668	3968344	27.43%	5.476%
36	7.316	733	736	742	rVB5	11910	18826	0.13%	0.026%
37	7.434	751	756	758	rBV2	11113	18460	0.13%	0.025%
38	7.457	758	760	767	rVV3	11421	21579	0.15%	0.030%
39	7.516	767	770	775	rVB4	12710	20620	0.14%	0.028%
40	7.581	775	781	791	rBV	388946	715992	4.95%	0.988%
41	7.675	791	797	806	rVB	782083	1221083	8.44%	1.685%
42	7.757	806	811	816	rBV	18033	26043	0.18%	0.036%
43	7.822	816	822	828	rBV2	67485	125168	0.87%	0.173%
44	7.886	828	833	836	rVV2	33214	62902	0.43%	0.087%
45	7.934	836	841	856	rVB	720055	1183292	8.18%	1.633%
46	8.051	856	861	864	rBV	60212	91975	0.64%	0.127%
47	8.104	864	870	880	rVB	300943	485756	3.36%	0.670%
48	8.198	880	886	891	rBV	195667	312767	2.16%	0.432%
49	8.245	891	894	899	rVB6	28361	42077	0.29%	0.058%
50	8.357	908	913	922	rVB	44634	78640	0.54%	0.109%
51	8.510	931	939	943	rBV	114099	190709	1.32%	0.263%
52	8.557	943	947	951	rVV	95497	163078	1.13%	0.225%
53	8.598	951	954	959	rVB3	29104	40525	0.28%	0.056%
54	8.663	959	965	972	rBV	201587	340062	2.35%	0.469%
55	8.739	972	978	985	rVB2	137565	243726	1.68%	0.336%
56	8.992	1016	1021	1027	rBV	55815	94655	0.65%	0.131%
57	9.181	1044	1053	1058	rBV	101193	159967	1.11%	0.221%
58	9.239	1058	1063	1073	rVB	146904	227482	1.57%	0.314%
59	9.351	1078	1082	1088	rVV6	12675	24474	0.17%	0.034%
60	9.416	1088	1093	1099	rVV6	16430	39800	0.28%	0.055%
61	9.480	1099	1104	1111	rVB4	22300	47573	0.33%	0.066%
62	9.557	1111	1117	1119	rBV5	11337	20836	0.14%	0.029%
63	9.604	1119	1125	1132	rVB	149782	242810	1.68%	0.335%
64	9.745	1143	1149	1159	rBV2	283375	492319	3.40%	0.679%
65	9.869	1164	1170	1171	rBV3	14255	26286	0.18%	0.036%
66	9.986	1185	1190	1193	rBV2	27253	39855	0.28%	0.055%
67	10.045	1193	1200	1204	rVV7	16178	42778	0.30%	0.059%
68	10.092	1204	1208	1213	rVB4	10303	17402	0.12%	0.024%
69	10.186	1219	1224	1228	rBV6	9900	16131	0.11%	0.022%
70	10.357	1240	1253	1257	rBV	600892	1069109	7.39%	1.475%
71	10.410	1257	1262	1269	rVB	1283725	2151525	14.87%	2.969%

LSC Area Percent Report

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Data File : BM019569.D
Acq On : 29 Mar 2019 08:16
Operator : JU/SJ
Sample : K2063-08DL2 20X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DB6R8DL2

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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Title : SVOA CALIBRATION

72	10.533	1276	1283	1295	rVB	64979	141462	0.98%	0.195%
73	10.880	1337	1342	1353	rVB	25676	52213	0.36%	0.072%
74	11.004	1359	1363	1369	rVB4	20557	37227	0.26%	0.051%
75	11.180	1389	1393	1400	rBV8	6626	20410	0.14%	0.028%
76	11.263	1403	1407	1413	rVB3	30789	51096	0.35%	0.071%
77	11.457	1436	1440	1445	rVB3	13401	19282	0.13%	0.027%
78	11.551	1451	1456	1461	rVB5	11290	19255	0.13%	0.027%
79	11.763	1482	1492	1496	rBV6	24839	67429	0.47%	0.093%
80	11.927	1515	1520	1527	rVB3	11217	18391	0.13%	0.025%
81	12.033	1531	1538	1550	rBV	302997	514343	3.56%	0.710%
82	12.163	1555	1560	1566	rVB5	9443	19012	0.13%	0.026%
83	12.257	1566	1576	1584	rBV2	161914	378859	2.62%	0.523%
84	12.404	1596	1601	1605	rBV6	9640	16733	0.12%	0.023%
85	13.427	1763	1775	1781	rBV7	14448	41664	0.29%	0.057%
86	13.557	1792	1797	1803	rBV3	11058	20944	0.14%	0.029%
87	13.663	1811	1815	1824	rBV	56231	86267	0.60%	0.119%
88	13.933	1855	1861	1869	rBV	62945	99778	0.69%	0.138%
89	14.051	1875	1881	1893	rBV4	24426	59929	0.41%	0.083%
90	14.239	1906	1913	1924	rBV2	809077	1274520	8.81%	1.759%
91	15.245	2079	2084	2088	rBV	86290	131510	0.91%	0.181%
92	15.286	2088	2091	2102	rVV2	29872	52187	0.36%	0.072%
93	15.998	2207	2212	2217	rBV4	17322	25954	0.18%	0.036%
94	16.568	2303	2309	2315	rVB2	26139	34983	0.24%	0.048%
95	16.998	2376	2382	2395	rBV2	1064406	1579534	10.92%	2.180%
96	17.104	2395	2400	2411	rVB2	78412	143848	0.99%	0.199%
97	19.409	2787	2792	2802	rBV2	104931	158541	1.10%	0.219%
98	21.203	3092	3097	3110	rBV	1682307	2214164	15.31%	3.056%
99	23.268	3443	3448	3455	rVB2	154057	303773	2.10%	0.419%
100	23.409	3465	3472	3483	rBV	1329493	2544182	17.59%	3.511%

Sum of corrected areas: 72462843

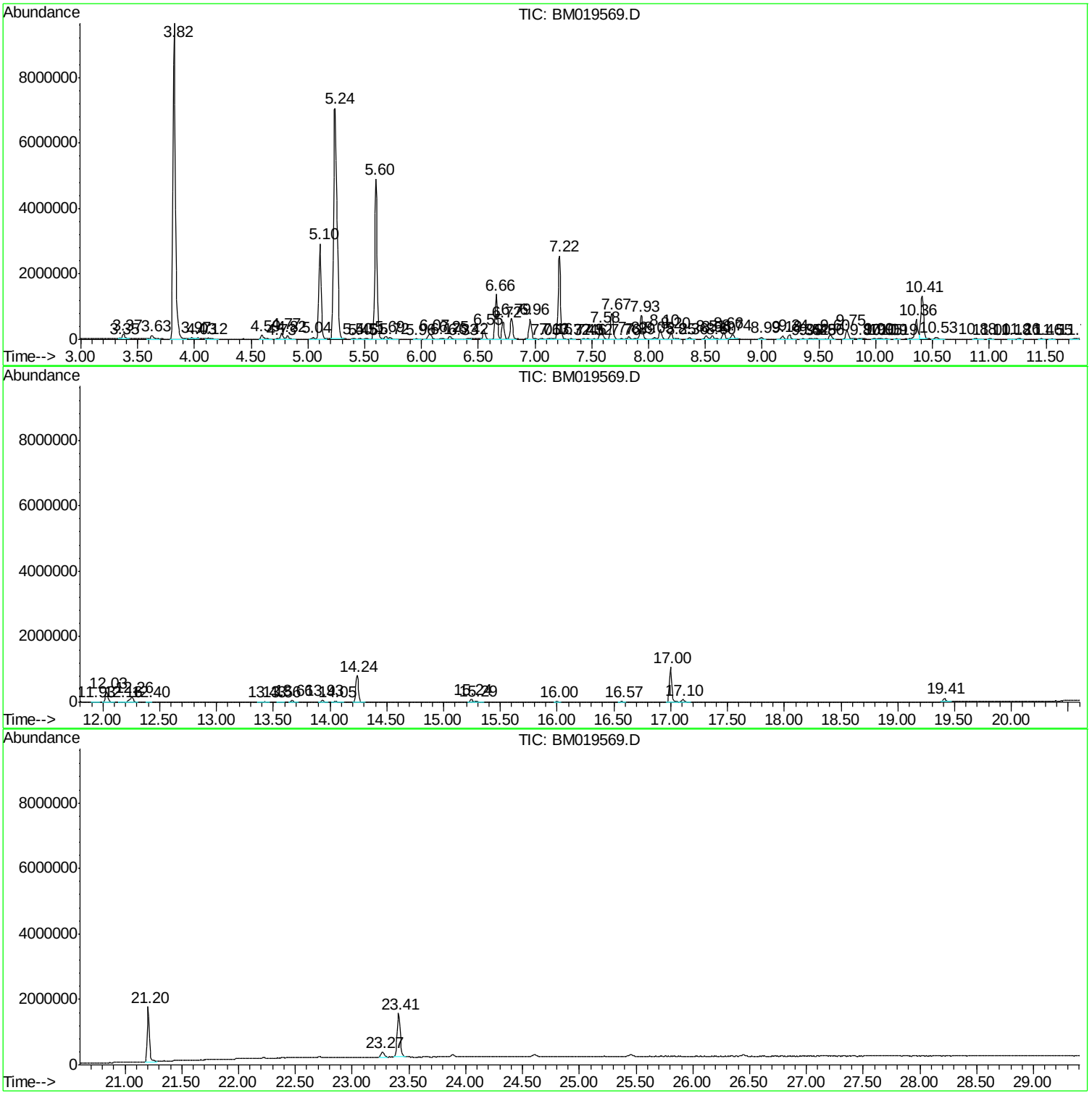
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032819\
Data File : BM019569.D
Acq On : 29 Mar 2019 08:16
Operator : JU/SJ
Sample : K2063-08DL2 20X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DB6R8DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032819\
Data File : BM019569.D
Acq On : 29 Mar 2019 08:16
Operator : JU/SJ
Sample : K2063-08DL2 20X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DB6R8DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

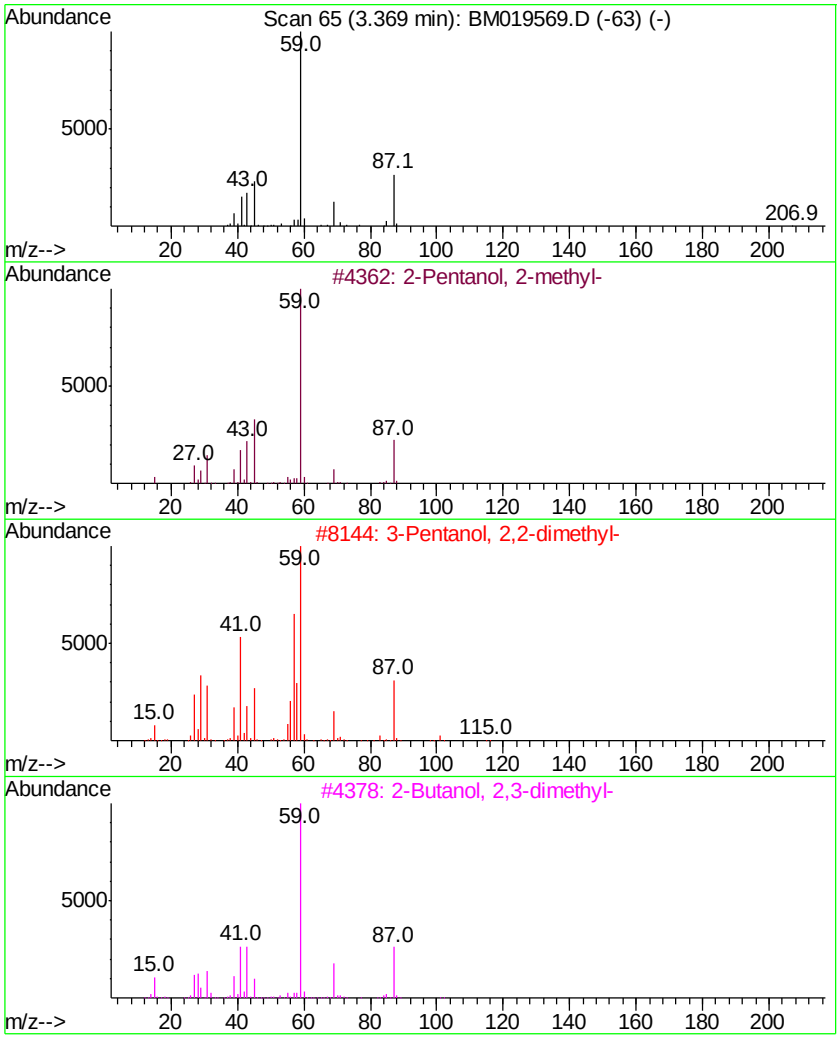
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

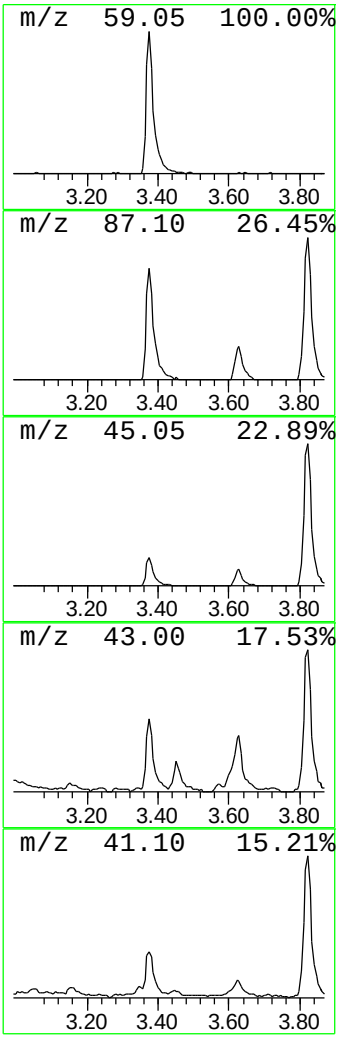
****

Peak Number 1 2-Pentanol, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.37	5.47 ng/ul	195736	1,4-Dichlorobenzene-d4	7.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanol, 2-methyl-	102	C6H14O	000590-36-3	83
2	3-Pentanol, 2,2-dimethyl-	116	C7H16O	003970-62-5	64
3	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	59
4	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	56
5	2-Pentanol, 2-methyl-	102	C6H14O	000590-36-3	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032819\
Data File : BM019569.D
Acq On : 29 Mar 2019 08:16
Operator : JU/SJ
Sample : K2063-08DL2 20X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DB6R8DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

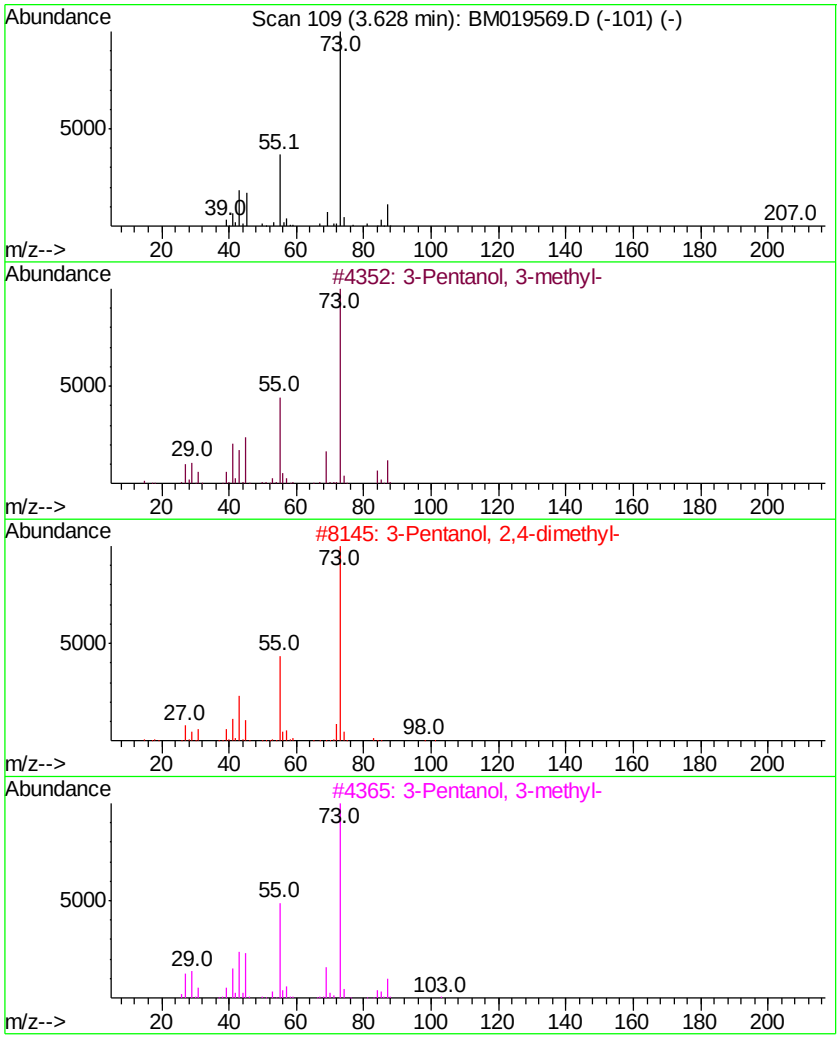
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

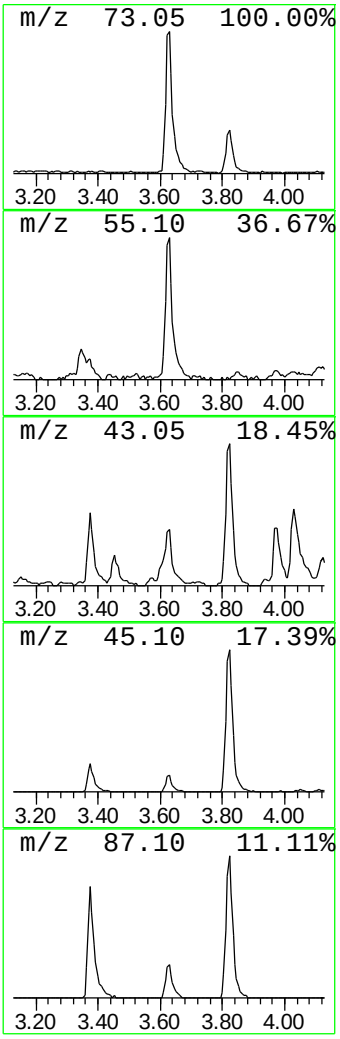
****

Peak Number 2 3-Pentanol, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.63	5.36 ng/ul	191719	1,4-Dichlorobenzene-d4	7.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	56
2	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	38
3	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	38
4	3,4-Dimethyl-5-hexen-3-ol	128	C8H16O	001569-45-5	33
5	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	28





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032819\
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Sample : K2063-08DL2 20X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DB6R8DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

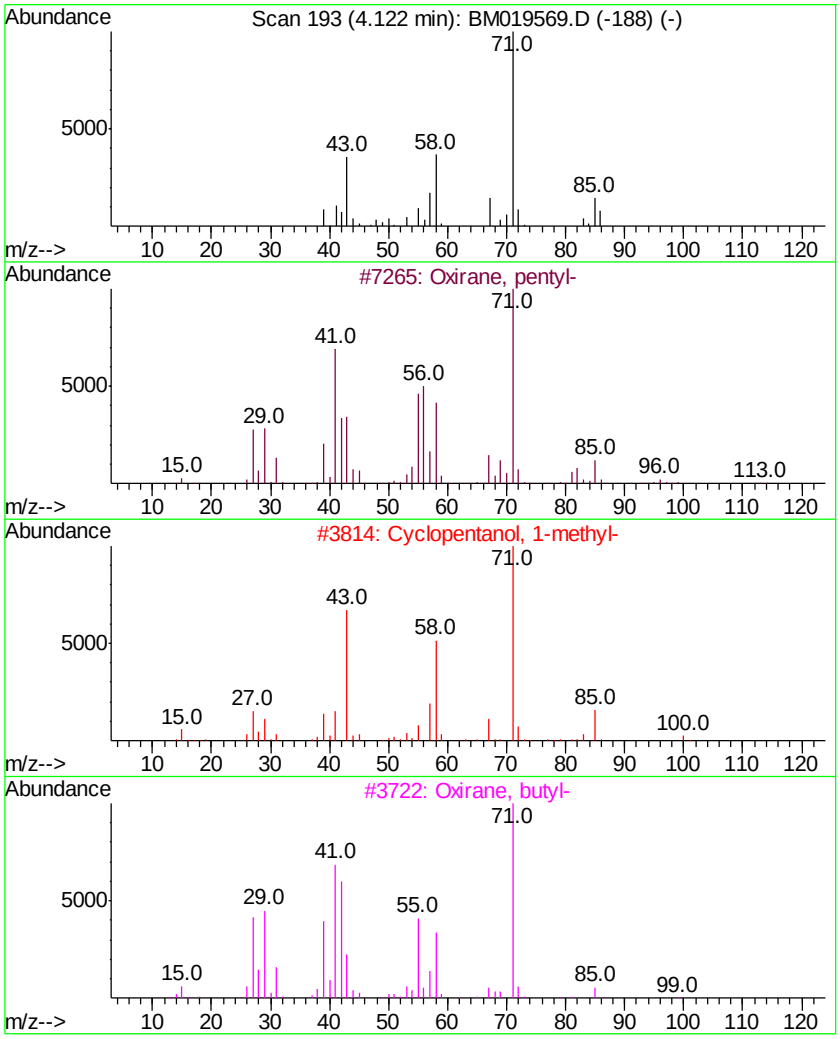
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

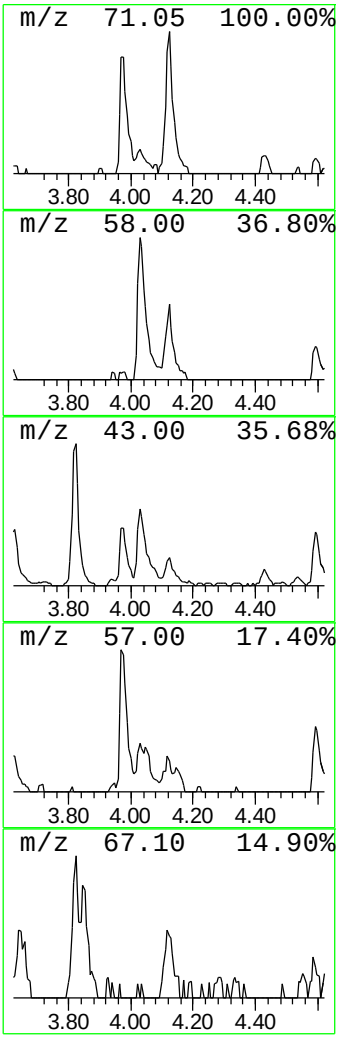
****

Peak Number 4 Oxirane, pentyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.12	2.11 ng/ul	75507	1,4-Dichlorobenzene-d4	7.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, pentyl-	114	C7H14O	005063-65-0	64
2	Cyclopentanol, 1-methyl-	100	C6H12O	001462-03-9	64
3	Oxirane, butyl-	100	C6H12O	001436-34-6	50
4	Oxirane, butyl-	100	C6H12O	001436-34-6	50
5	Oxirane, butyl-	100	C6H12O	001436-34-6	45





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032819\
Data File : BM019569.D
Acq On : 29 Mar 2019 08:16
Operator : JU/SJ
Sample : K2063-08DL2 20X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DB6R8DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

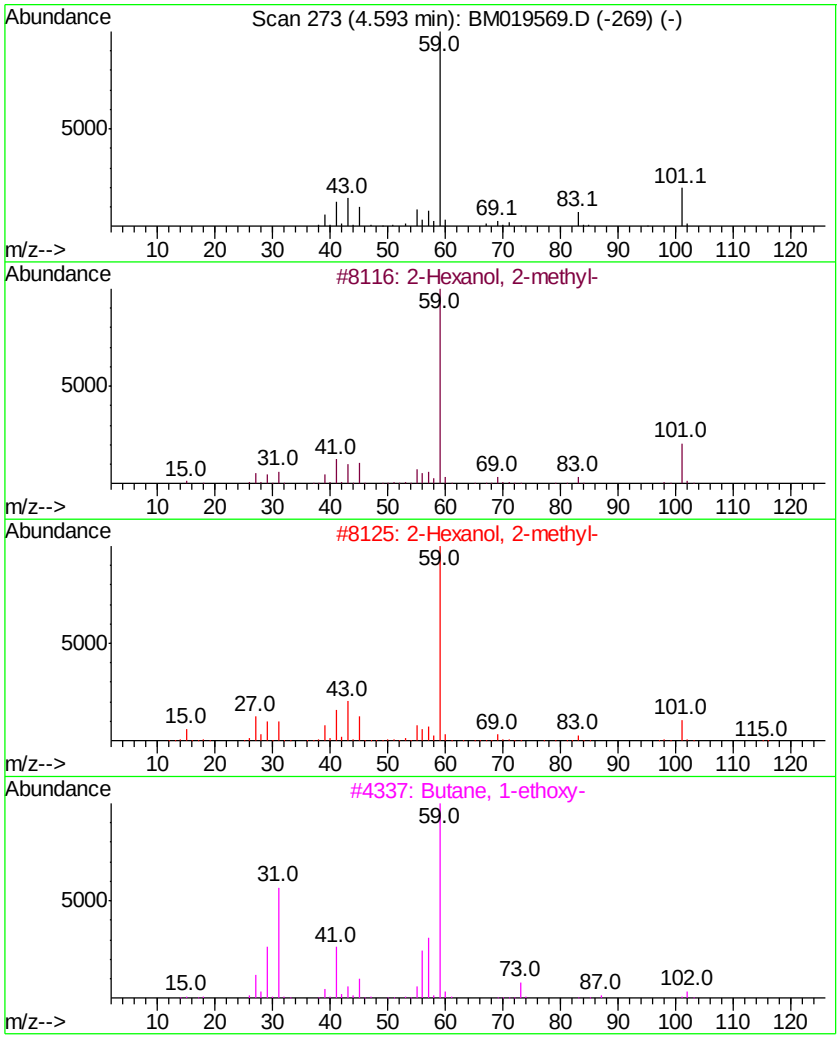
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

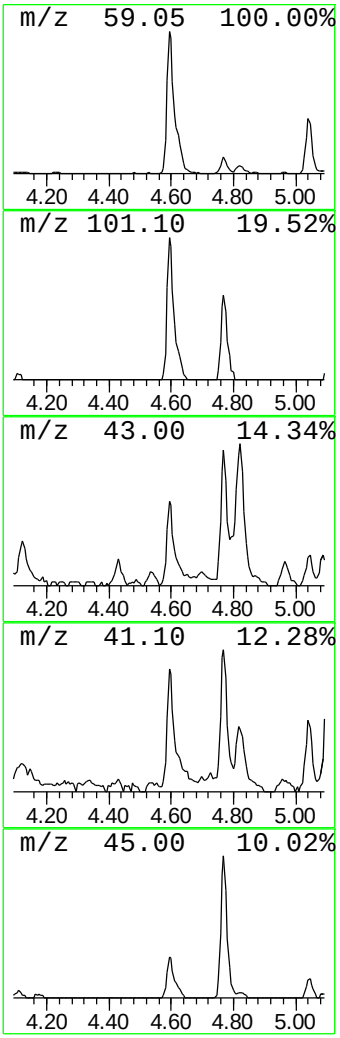
****

Peak Number 5 2-Hexanol, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.59	6.21 ng/ul	222350	1,4-Dichlorobenzene-d4	7.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	83
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	78
3	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	64
4	Ethanol, pentamethyl-	116	C7H16O	000594-83-2	64
5	2-Octanol, 2,6-dimethyl-	158	C10H22O	018479-57-7	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032819\
Data File : BM019569.D
Acq On : 29 Mar 2019 08:16
Operator : JU/SJ
Sample : K2063-08DL2 20X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DB6R8DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

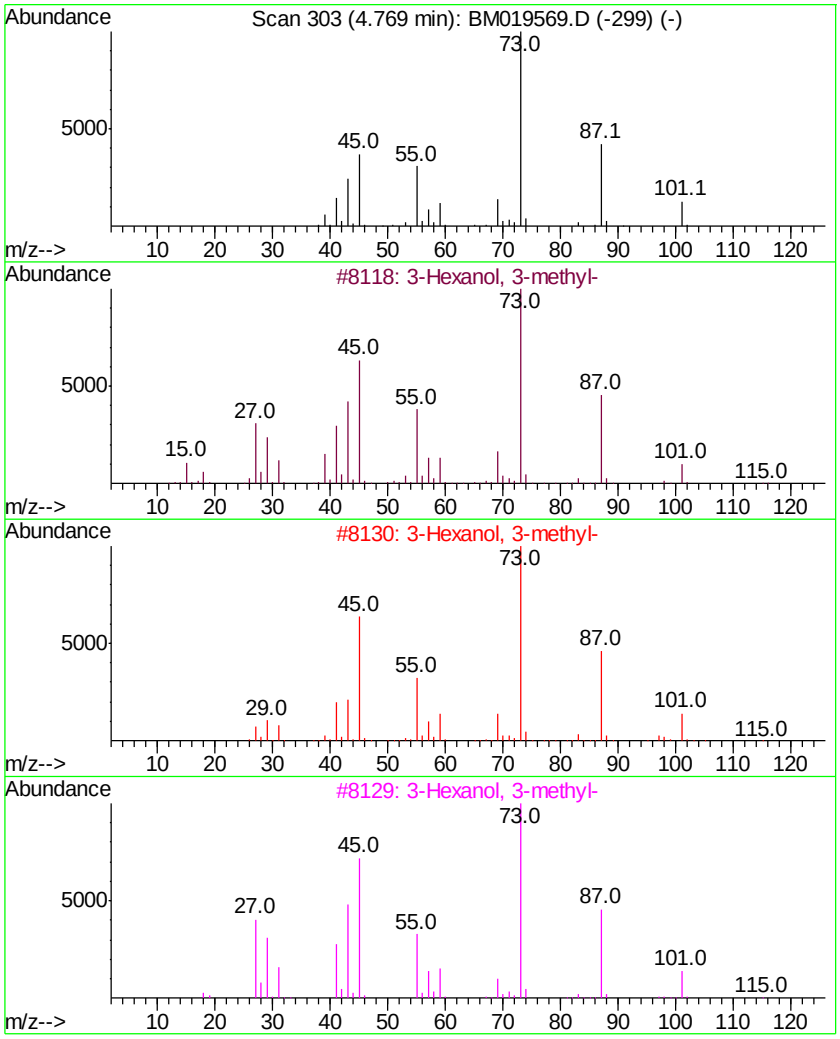
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

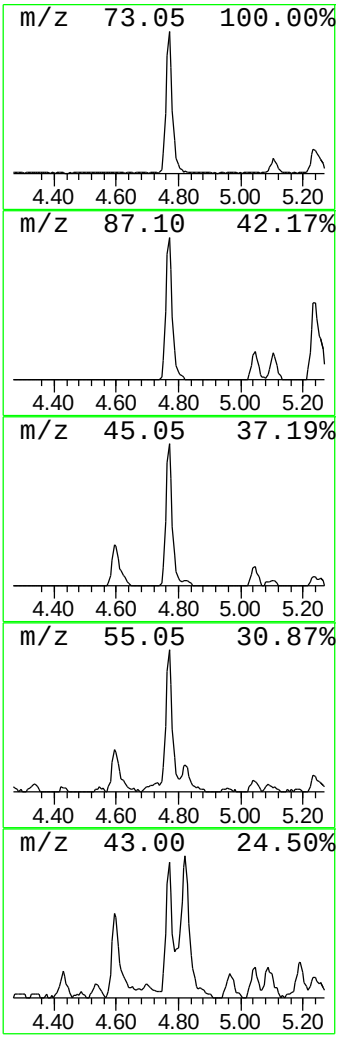
****

Peak Number 6 3-Hexanol, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.77	7.78 ng/ul	278654	1,4-Dichlorobenzene-d4	7.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanol, 3-methyl-	116	C7H16O	000597-96-6	83
2	3-Hexanol, 3-methyl-	116	C7H16O	000597-96-6	83
3	3-Hexanol, 3-methyl-	116	C7H16O	000597-96-6	83
4	3-Pentanol, 2,3-dimethyl-	116	C7H16O	000595-41-5	78
5	3-Pentanol, 2,3-dimethyl-	116	C7H16O	000595-41-5	64





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Operator : JU/SJ
Sample : K2063-08DL2 20X
Misc :
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Instrument : BNA_M
ClientSampleId : DB6R8DL2

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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 7 Cyclopentanol, 1-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.82	5.26 ng/ul	188402	1,4-Dichlorobenzene-d4	7.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanol, 1-methyl-	100	C6H12O	001462-03-9	59
2	Thiazole	85	C3H3NS	000288-47-1	35
3	Thiazole	85	C3H3NS	000288-47-1	25
4	Thiazole	85	C3H3NS	000288-47-1	25
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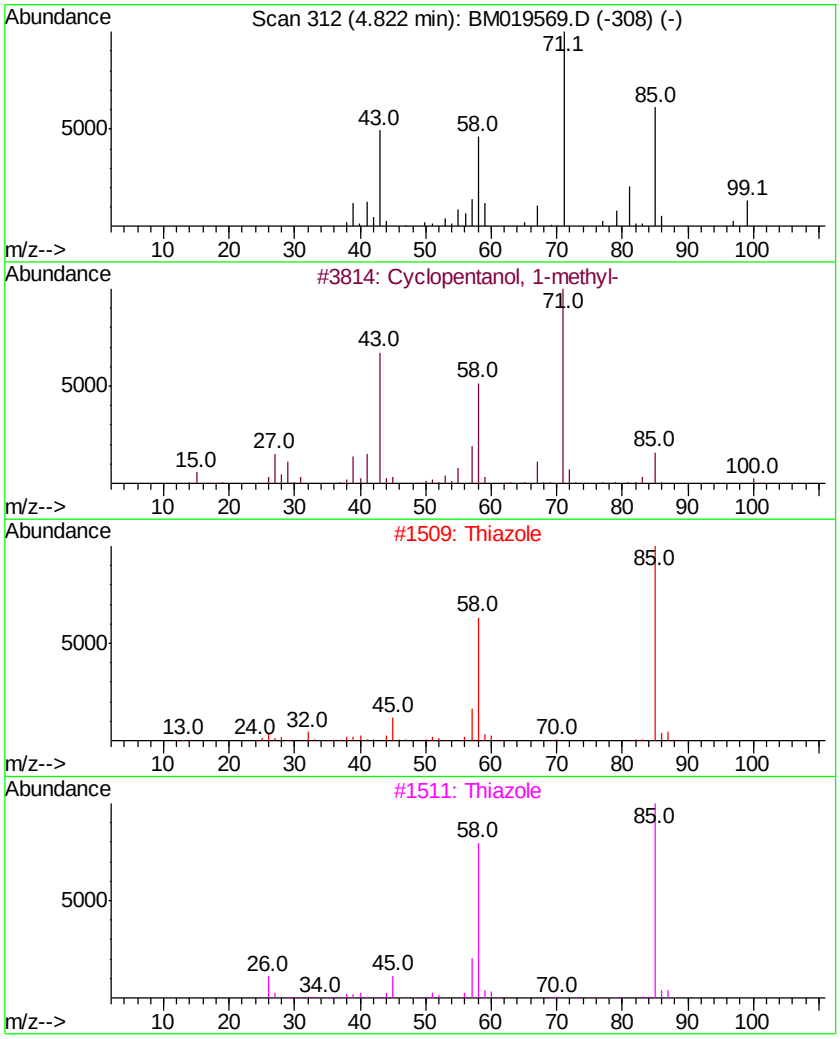

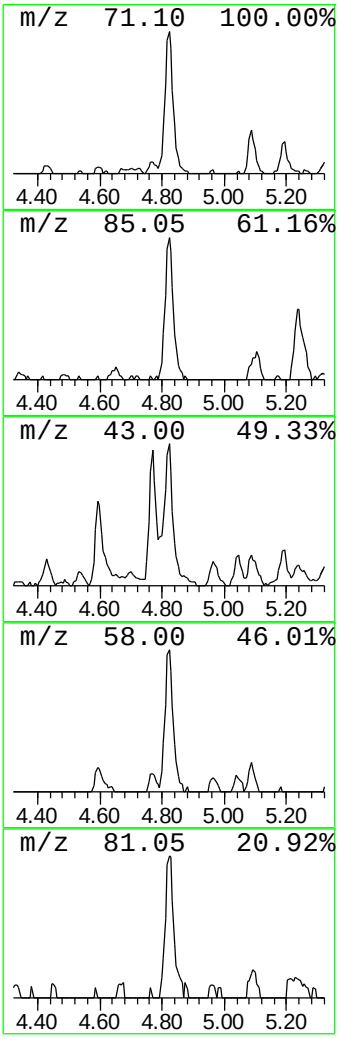

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ClientSampleId : DB6R8DL2

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Quant Title : SVOA CALIBRATION

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

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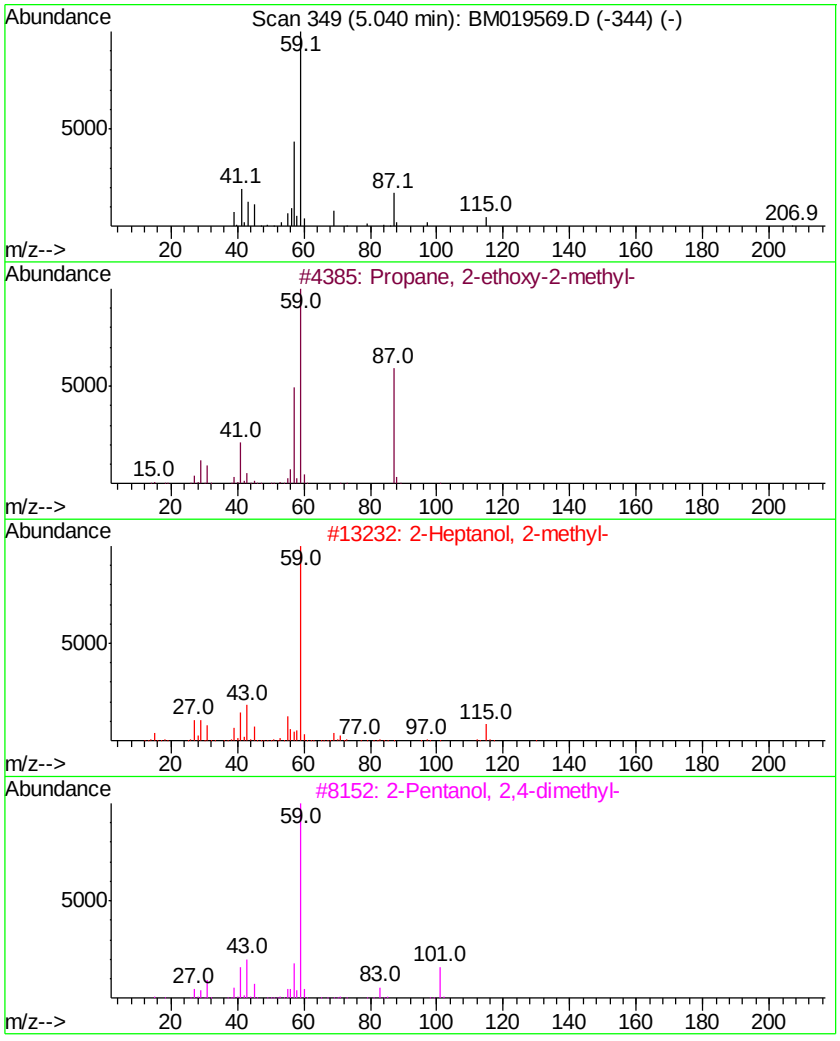
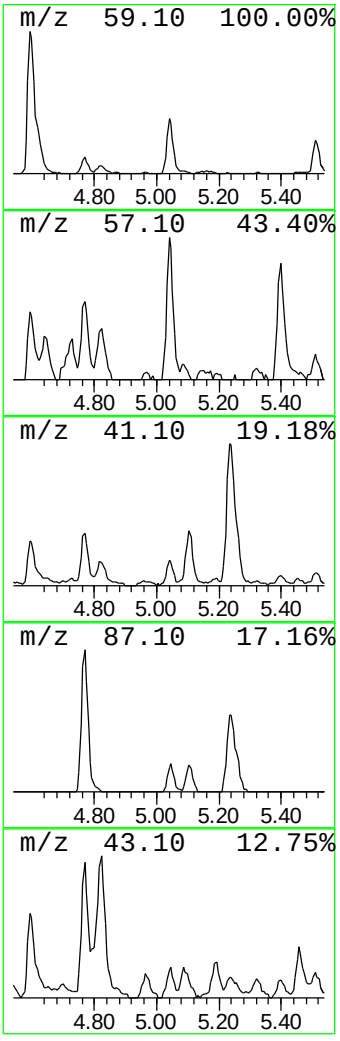
Peak Number 8 Propane, 2-ethoxy-2-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.04	2.44 ng/ul	87262	1,4-Dichlorobenzene-d4	7.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	64
2	2-Heptanol, 2-methyl-	130	C8H18O	000625-25-2	56
3	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	45
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	45
5	Butane, 2-methoxy-	88	C5H12O	006795-87-5	45





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ClientSampleId : DB6R8DL2

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Quant Title : SVOA CALIBRATION

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

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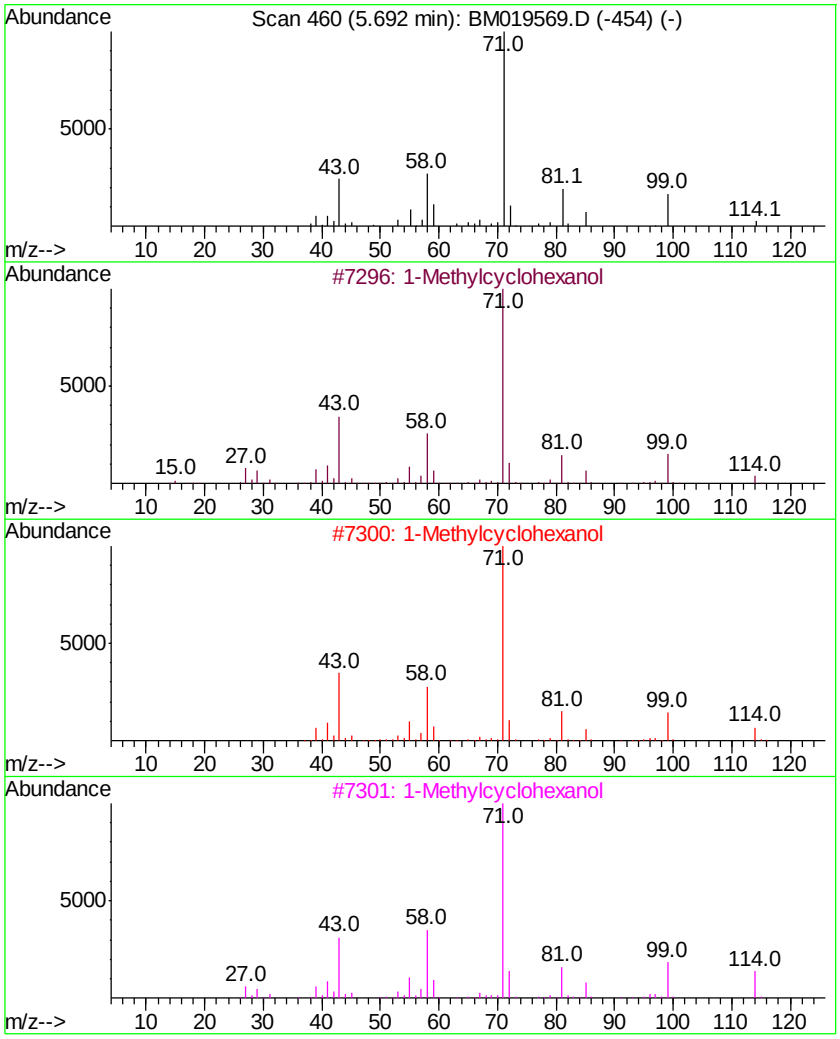
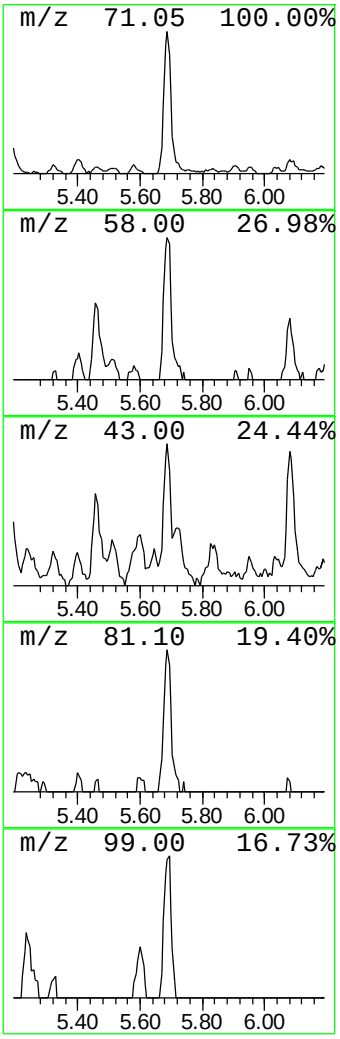
Peak Number 12 1-Methylcyclohexanol Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.69	3.53 ng/ul	126529	1,4-Dichlorobenzene-d4	7.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methylcyclohexanol	114	C7H14O	000590-67-0	91
2	1-Methylcyclohexanol	114	C7H14O	000590-67-0	91
3	1-Methylcyclohexanol	114	C7H14O	000590-67-0	90
4	1-Methylcyclohexanol	114	C7H14O	000590-67-0	78
5	trans-2-Methyl-4-hexen-3-ol	114	C7H14O	096346-76-8	47





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Sample : K2063-08DL2 20X
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ClientSampleId : DB6R8DL2

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Quant Title : SVOA CALIBRATION

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

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Peak Number 13 unknown-01 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.72	2.11 ng/ul	75471	1,4-Dichlorobenzene-d4	7.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Methyltetrahydrofuran-2-methan...	116	C6H12O2	006126-49-4	38
2	1,2,6-Hexanetriol	134	C6H14O3	000106-69-4	23
3	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9
4	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9
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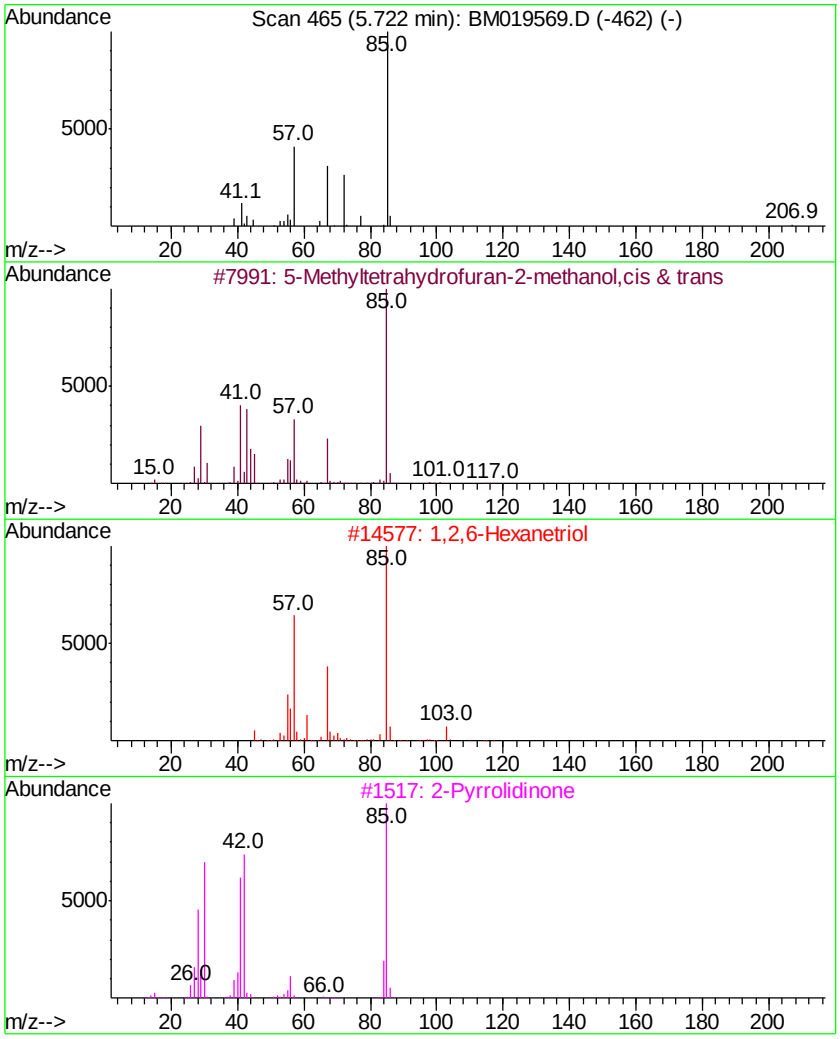

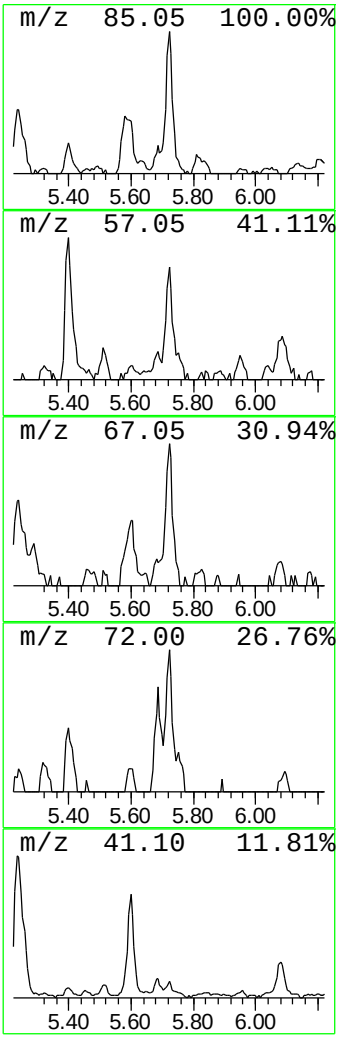

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Sample : K2063-08DL2 20X
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Quant Title : SVOA CALIBRATION

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

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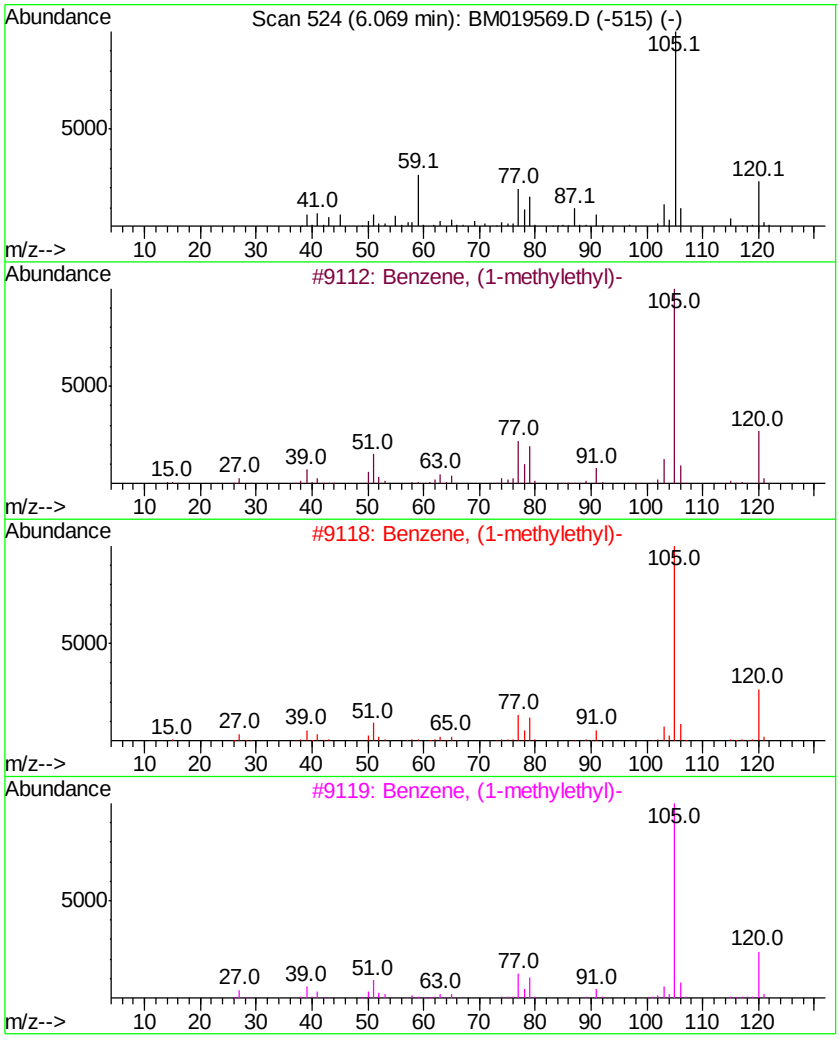
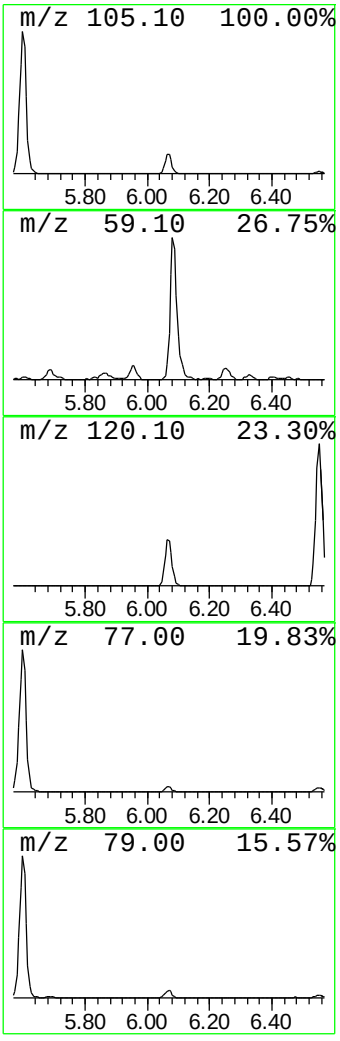
Peak Number 14 unknown-02 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.07	9.99 ng/ul	357535	1,4-Dichlorobenzene-d4	7.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	49
2	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	42
3	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	42
4	2-Hexanol, 2,3-dimethyl-	130	C8H18O	019550-03-9	38
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	38





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Sample : K2063-08DL2 20X
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ClientSampleId : DB6R8DL2

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Quant Title : SVOA CALIBRATION

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

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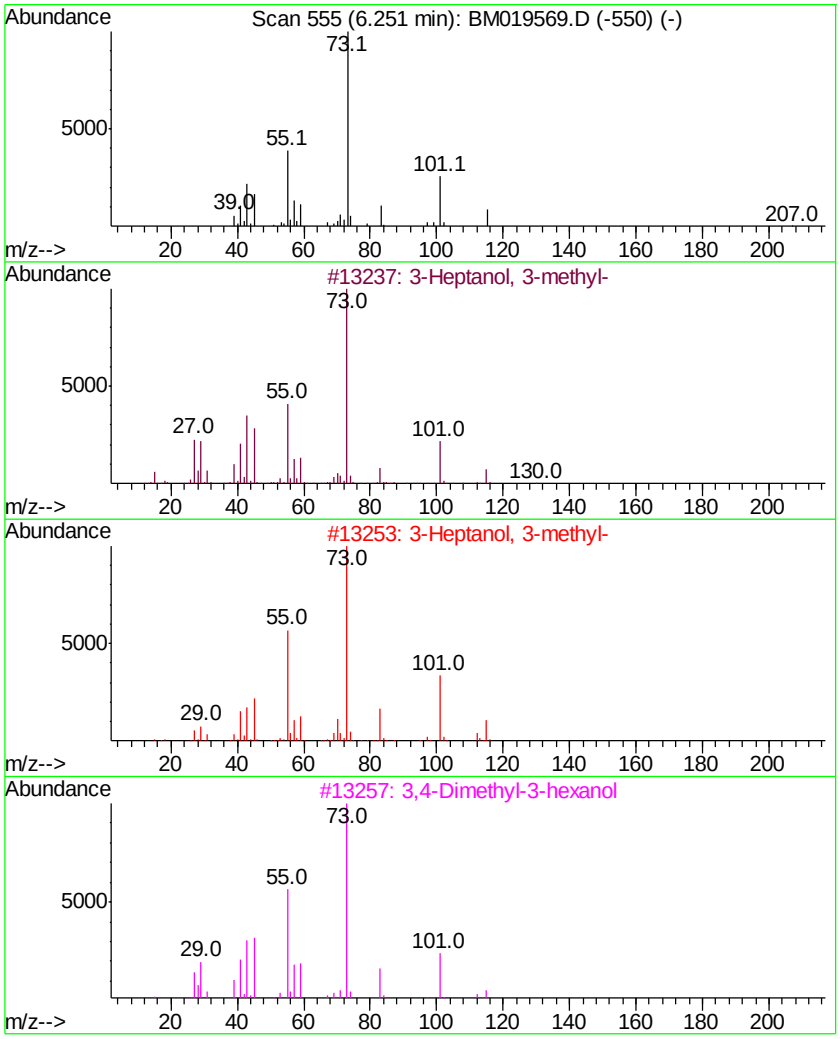
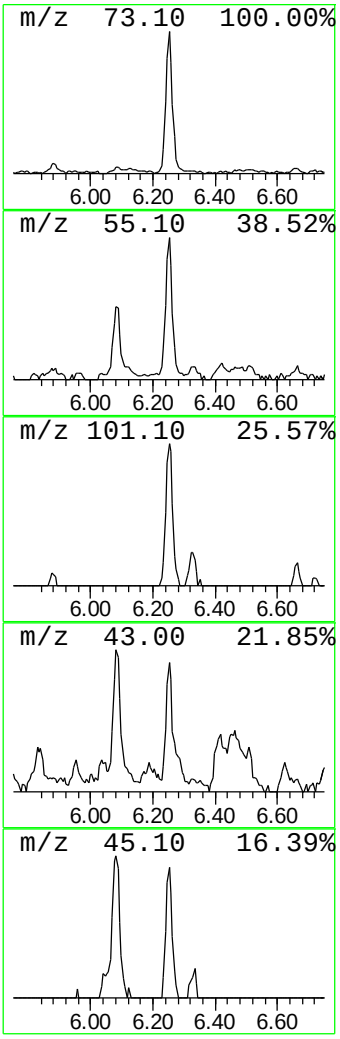
Peak Number 15 3-Heptanol, 3-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.25	4.03 ng/ul	144378	1,4-Dichlorobenzene-d4	7.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptanol, 3-methyl-	130	C8H18O	005582-82-1	83
2	3-Heptanol, 3-methyl-	130	C8H18O	005582-82-1	72
3	3,4-Dimethyl-3-hexanol	130	C8H18O	019550-08-4	53
4	3,4-Dimethyl-3-hexanol	130	C8H18O	019550-08-4	50
5	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	38





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Sample : K2063-08DL2 20X
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ClientSampleId : DB6R8DL2

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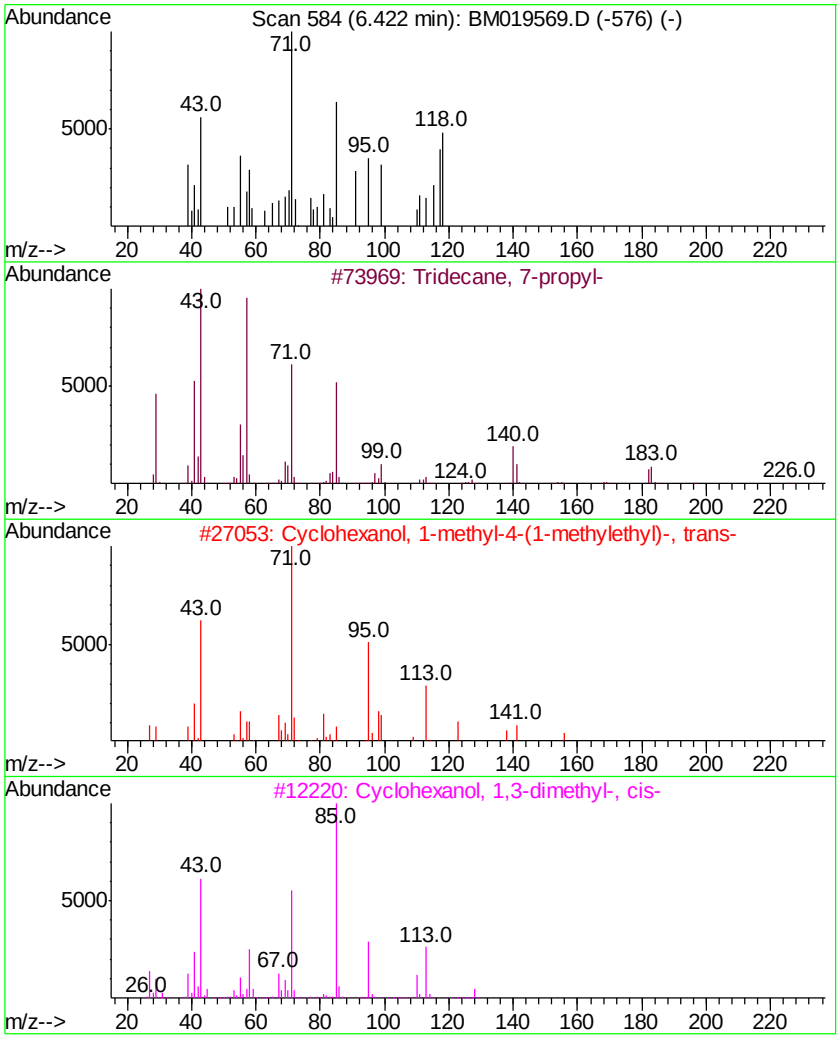
Quant Title : SVOA CALIBRATION

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

****
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	2.00 ng/ul	71635	1,4-Dichlorobenzene-d4	7.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 7-propyl-	226	C16H34	055045-09-5	37
2	Cyclohexanol, 1-methyl-4-(1-meth...	156	C10H20O	003901-93-7	32
3	Cyclohexanol, 1,3-dimethyl-, cis-	128	C8H16O	015466-94-1	25
4	1-Methylcycloheptanol	128	C8H16O	003761-94-2	17
5	2-Oxepanone, 7-hexyl-	198	C12H22O2	016429-21-3	16



m/z 71.00 100.00%
m/z 85.00 63.87%
m/z 42.95 56.32%
m/z 118.00 48.15%
m/z 117.10 39.35%

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Quant Title : SVOA CALIBRATION

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

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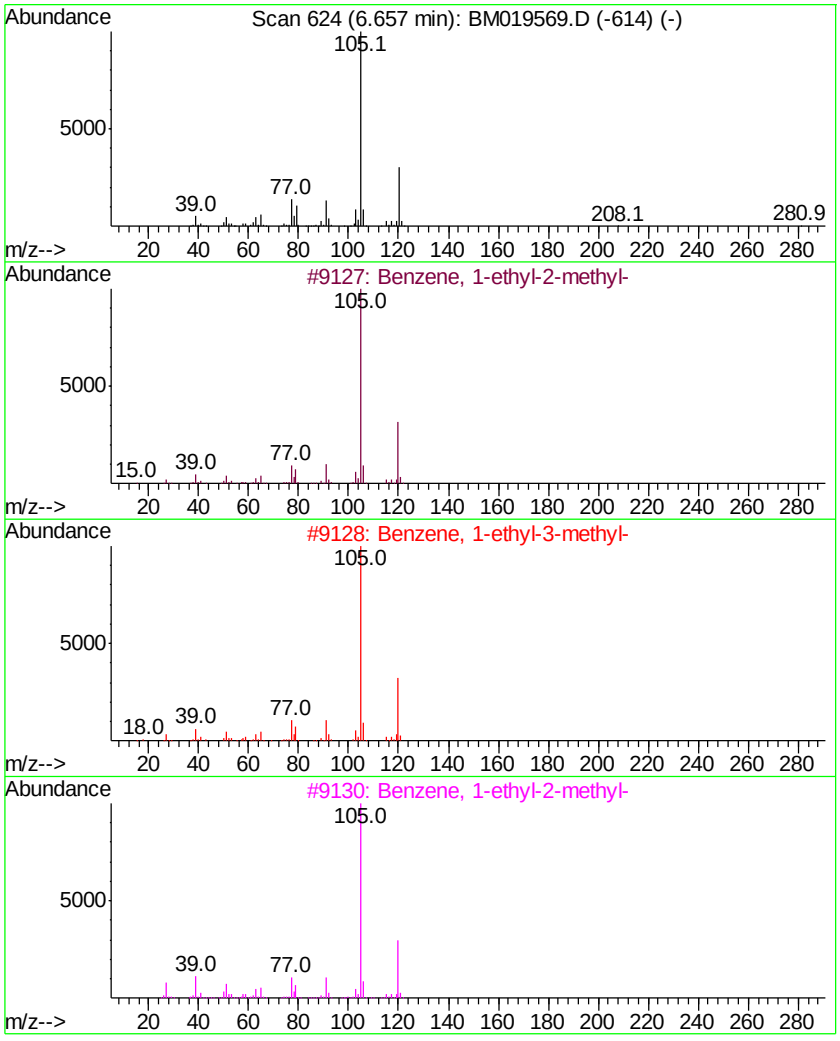
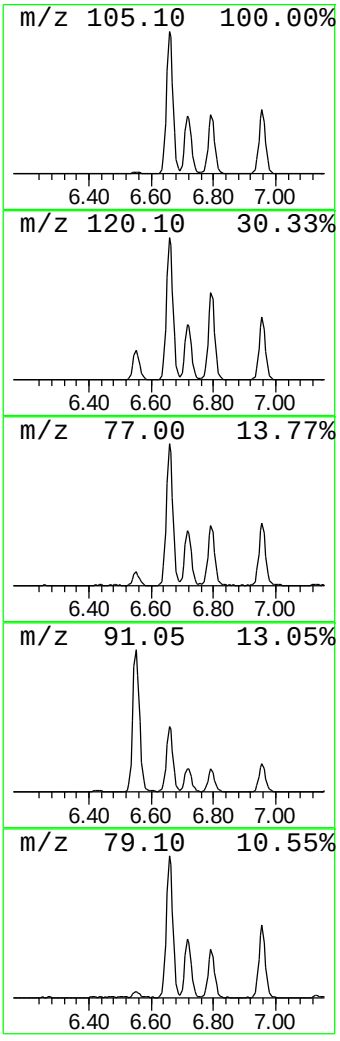
Peak Number 18 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	58.20 ng/ul	2083540	1,4-Dichlorobenzene-d4	7.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91





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Quant Title : SVOA CALIBRATION

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

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Peak Number 20 Benzene, 1,3,5-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.79	25.99 ng/ul	930573	1,4-Dichlorobenzene-d4	7.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	94
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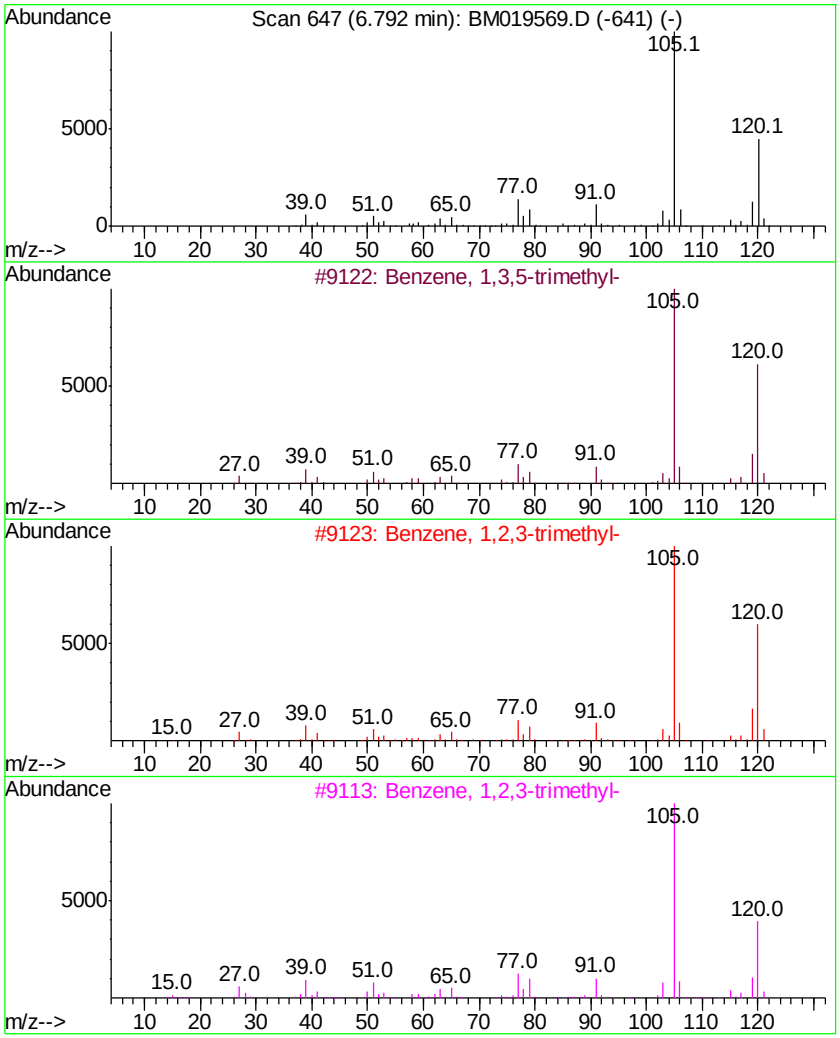

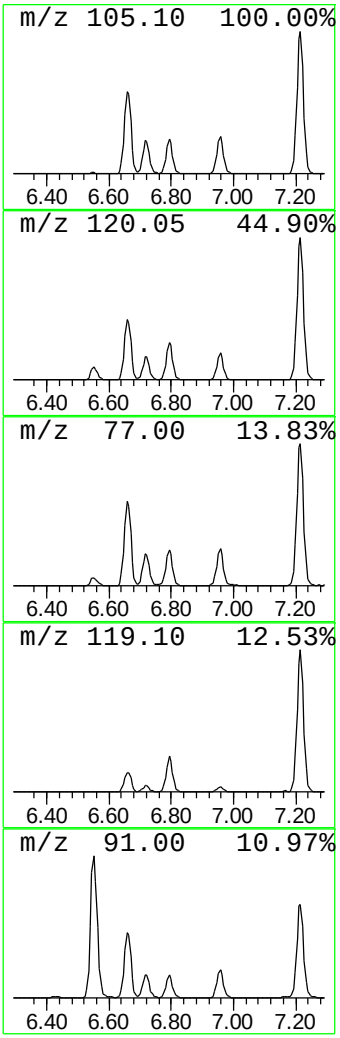

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Quant Title : SVOA CALIBRATION

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

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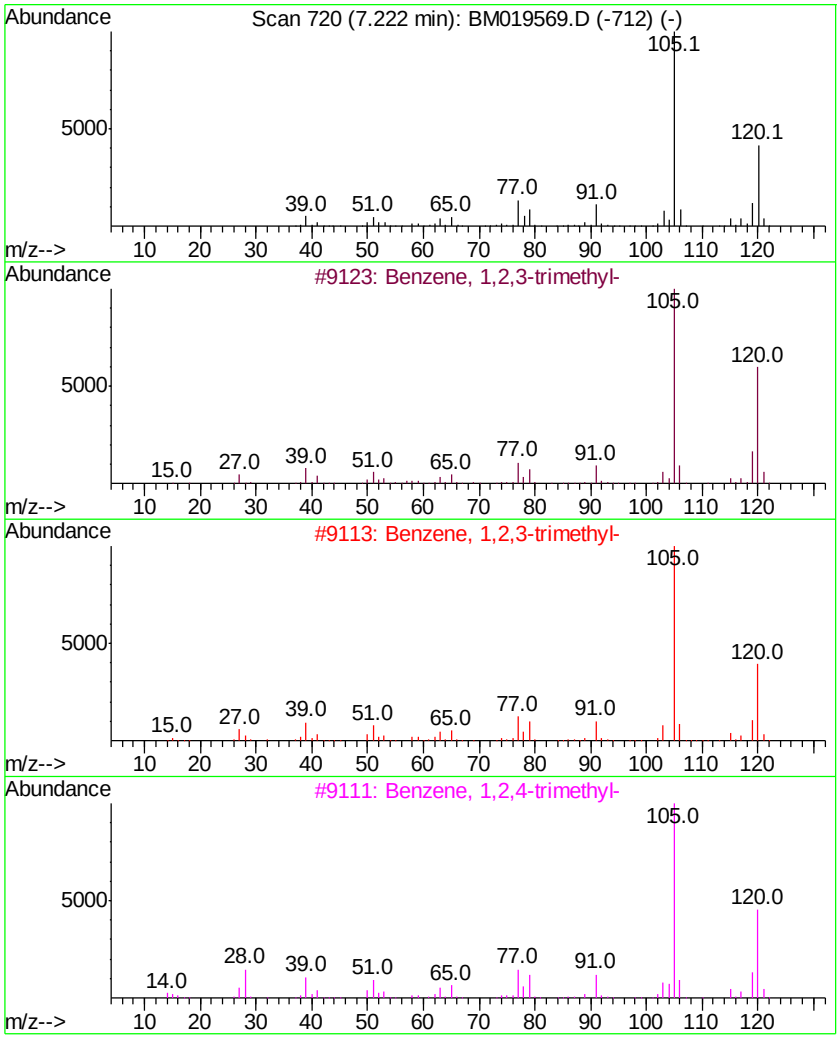
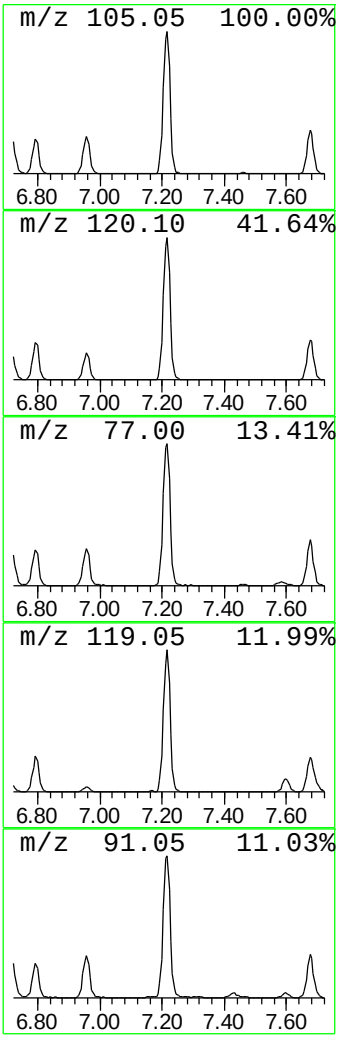
Peak Number 21 Benzene, 1,2,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.22	110.85 ng/ul	3968340	1,4-Dichlorobenzene-d4	7.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91





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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 4,7-Methano-1H-indene, 3a,4... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.82	3.50 ng/ul	125168	1,4-Dichlorobenzene-d4	7.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,7-Methano-1H-indene, 3a,4,7,7a...	132	C10H12	000077-73-6	90
2	4,7-Methano-1H-indene, 3a,4,7,7a...	132	C10H12	000077-73-6	86
3	Cyclobuta[1,2:3,4]dicyclopentene...	132	C10H12	105226-58-2	86
4	Cyclobuta[1,2:3,4]dicyclopentene...	132	C10H12	000612-09-9	78
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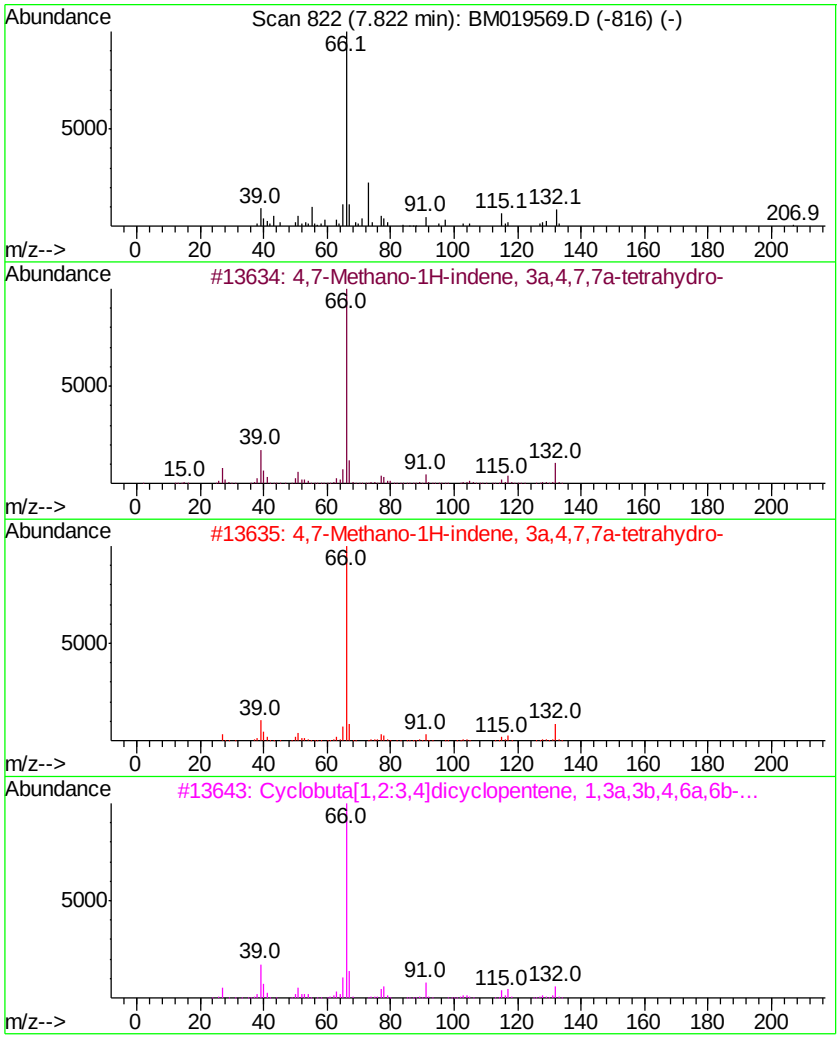

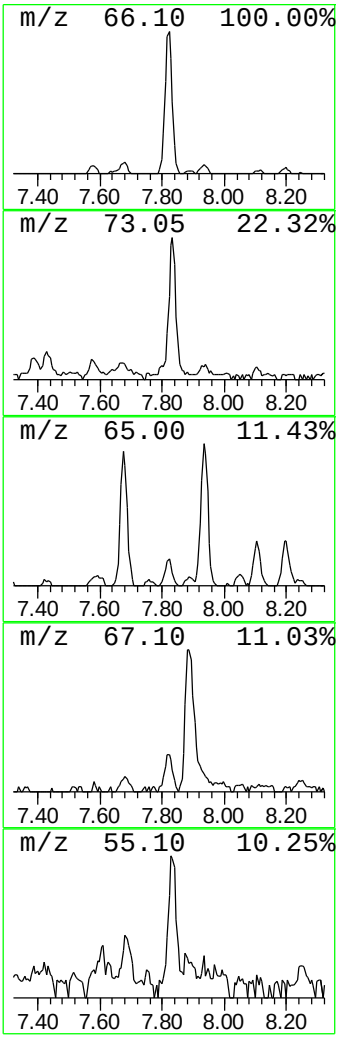

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Operator : JU/SJ
Sample : K2063-08DL2 20X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DB6R8DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

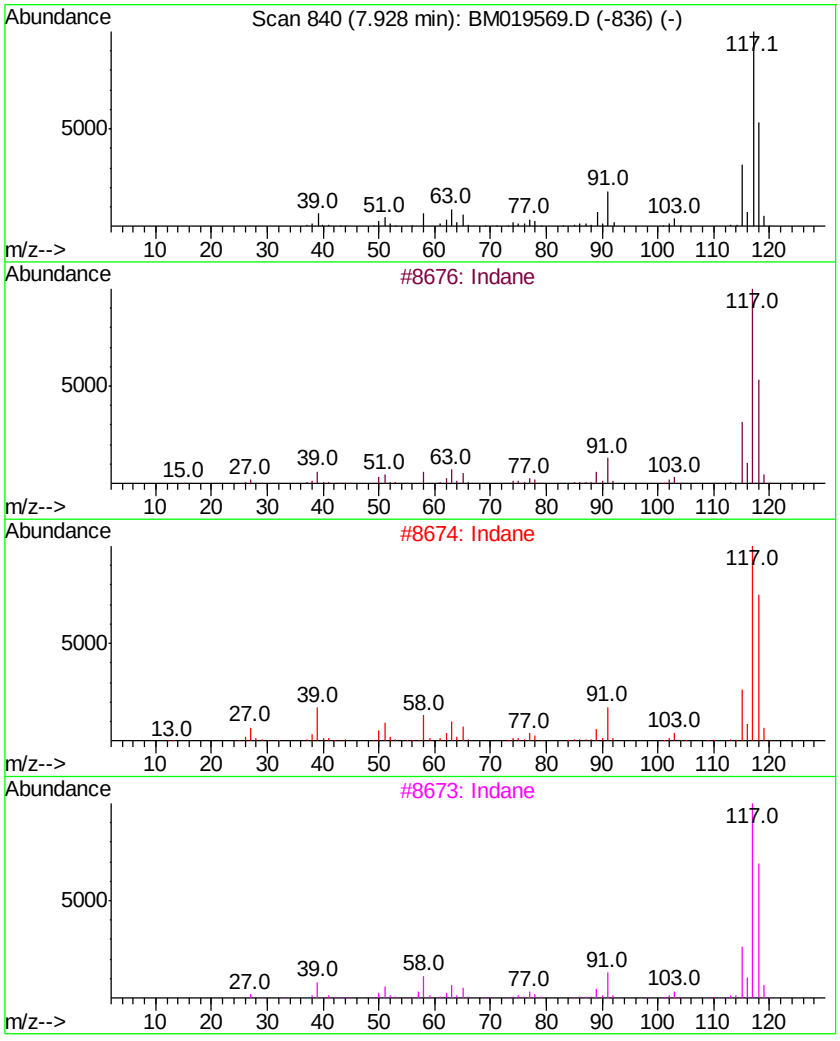
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

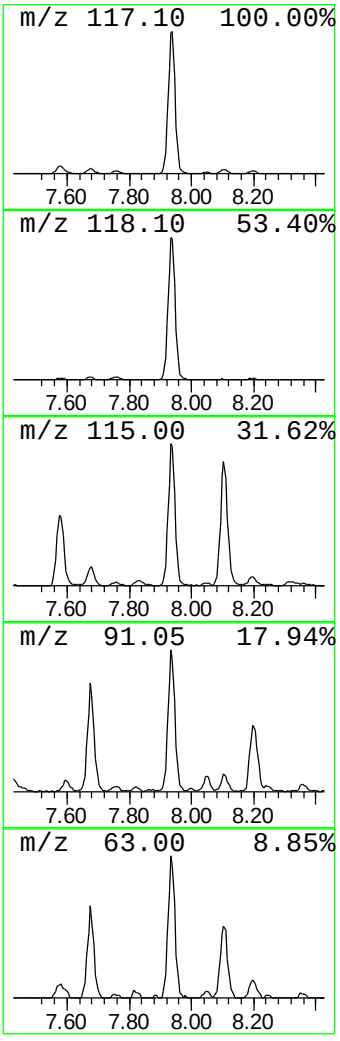
****

Peak Number 24 Indane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.93	33.05 ng/ul	1183290	1,4-Dichlorobenzene-d4	7.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	91
3	Indane	118	C9H10	000496-11-7	87
4	Indane	118	C9H10	000496-11-7	81
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032819\
Data File : BM019569.D
Acq On : 29 Mar 2019 08:16
Operator : JU/SJ
Sample : K2063-08DL2 20X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DB6R8DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

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

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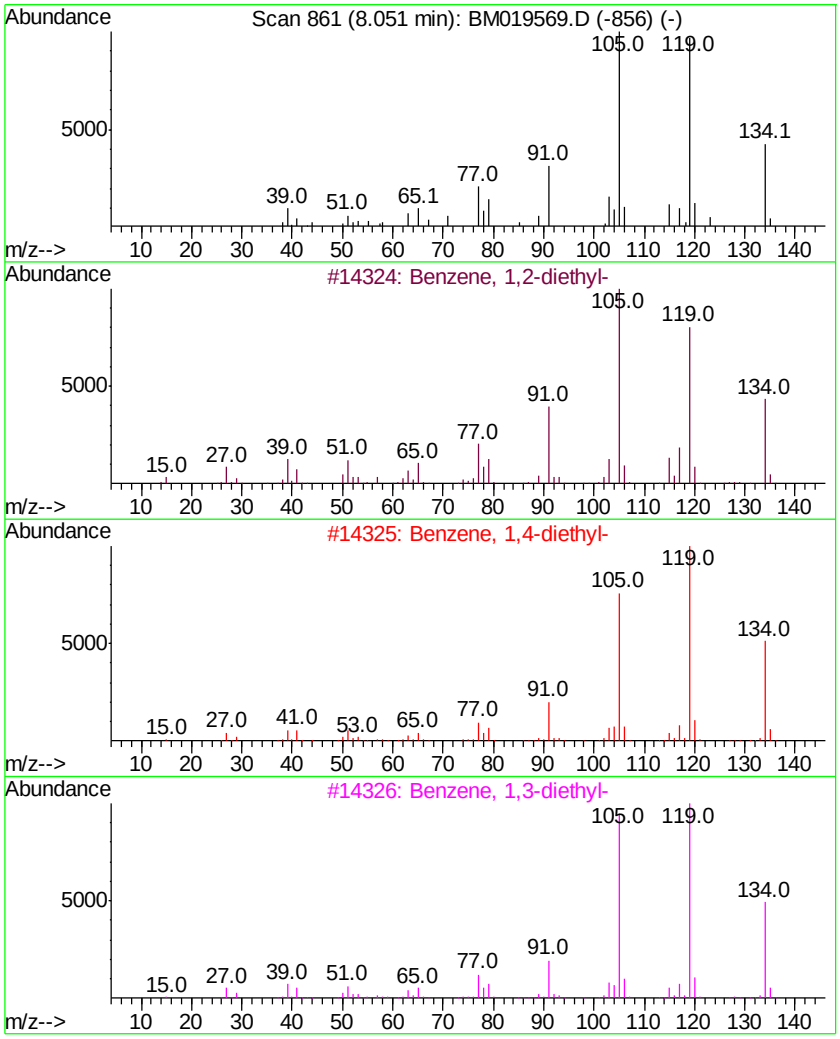
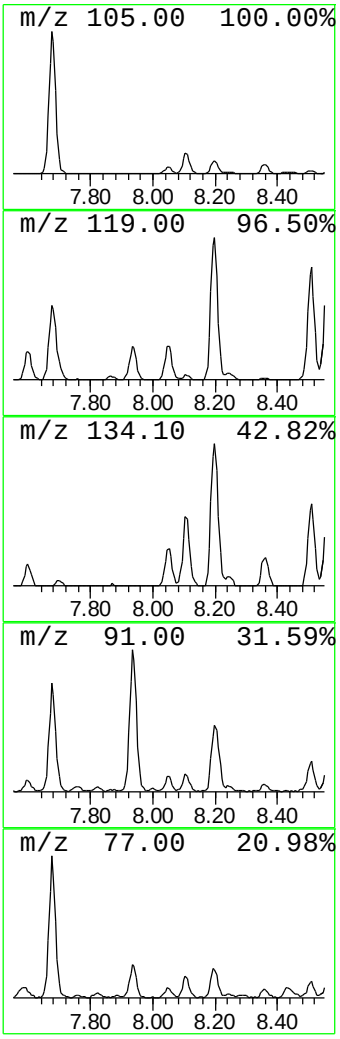
Peak Number 25 Benzene, 1,2-diethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.05	2.57 ng/ul	91975	1,4-Dichlorobenzene-d4	7.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	91
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91





Library Search Compound Report

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Data File : BM019569.D
Acq On : 29 Mar 2019 08:16
Operator : JU/SJ
Sample : K2063-08DL2 20X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DB6R8DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

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

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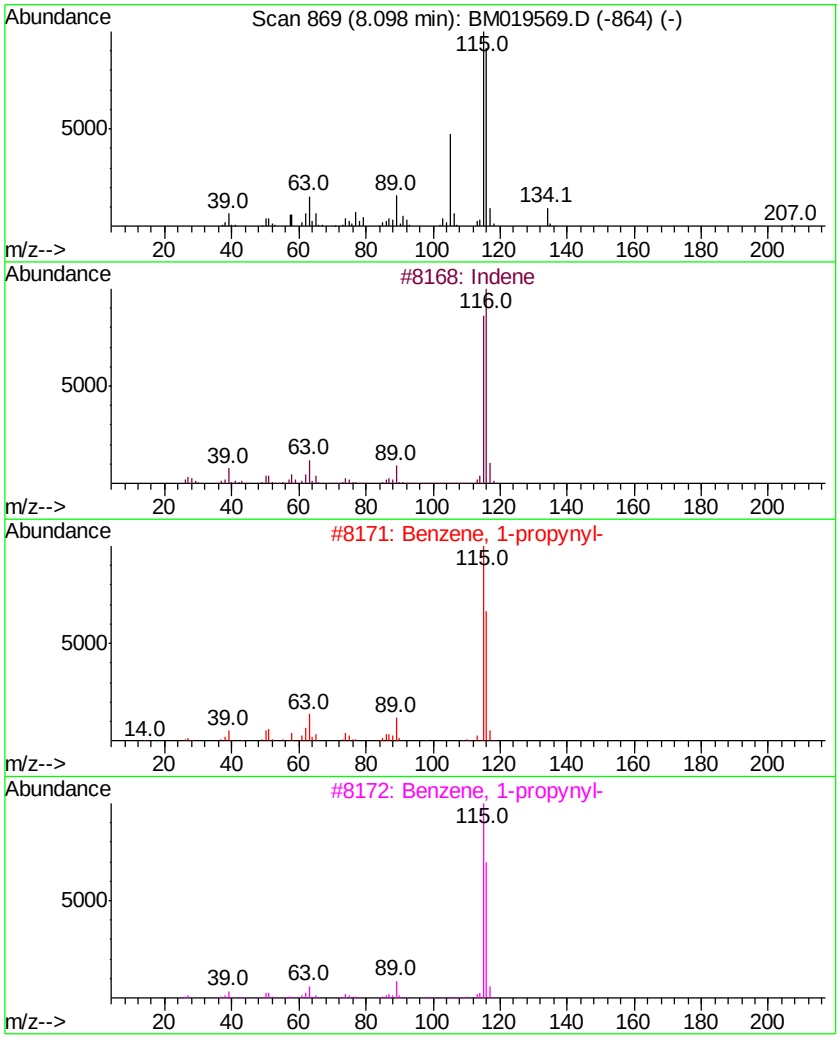
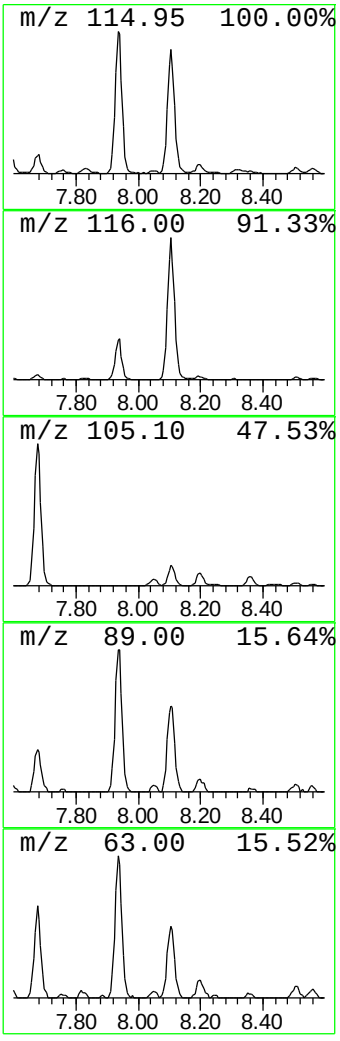
Peak Number 26 Indene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.10	13.57 ng/ul	485756	1,4-Dichlorobenzene-d4	7.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	90
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	87
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	87
5	Indene	116	C9H8	000095-13-6	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032819\
Data File : BM019569.D
Acq On : 29 Mar 2019 08:16
Operator : JU/SJ
Sample : K2063-08DL2 20X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DB6R8DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

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

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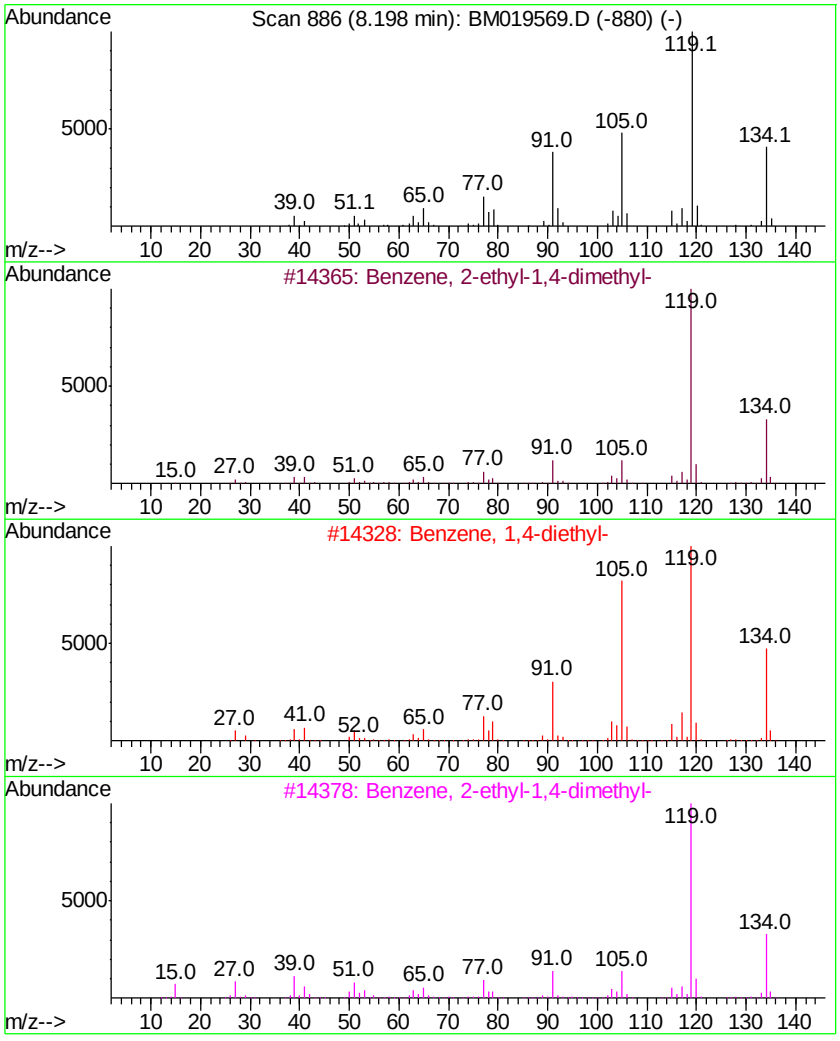
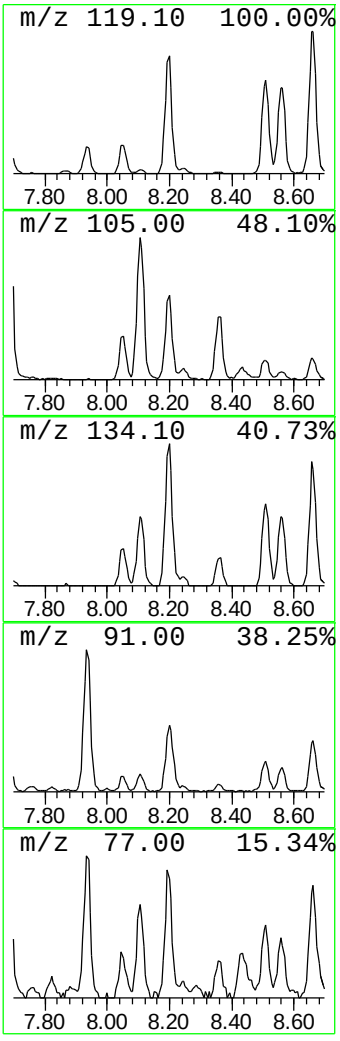
Peak Number 27 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	8.74 ng/ul	312767	1,4-Dichlorobenzene-d4	7.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	92
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





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Data File : BM019569.D
Acq On : 29 Mar 2019 08:16
Operator : JU/SJ
Sample : K2063-08DL2 20X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DB6R8DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

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

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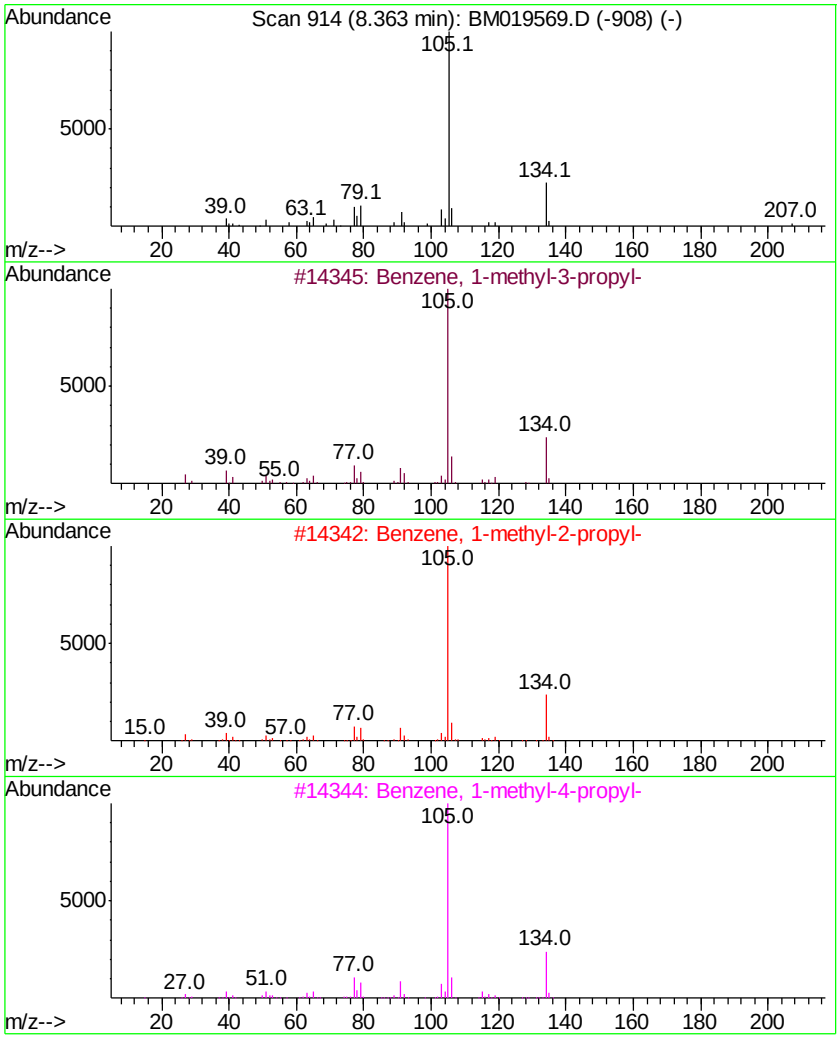
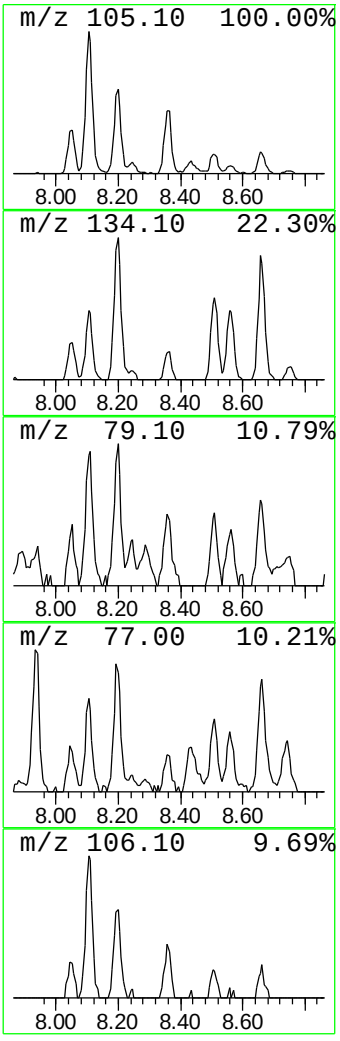
Peak Number 28 Benzene, 1-methyl-3-propyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.36	2.20 ng/ul	78640	1,4-Dichlorobenzene-d4	7.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	91
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
4	2-Tolyloxirane	134	C9H10O	002783-26-8	91
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90





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Data File : BM019569.D
Acq On : 29 Mar 2019 08:16
Operator : JU/SJ
Sample : K2063-08DL2 20X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DB6R8DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

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

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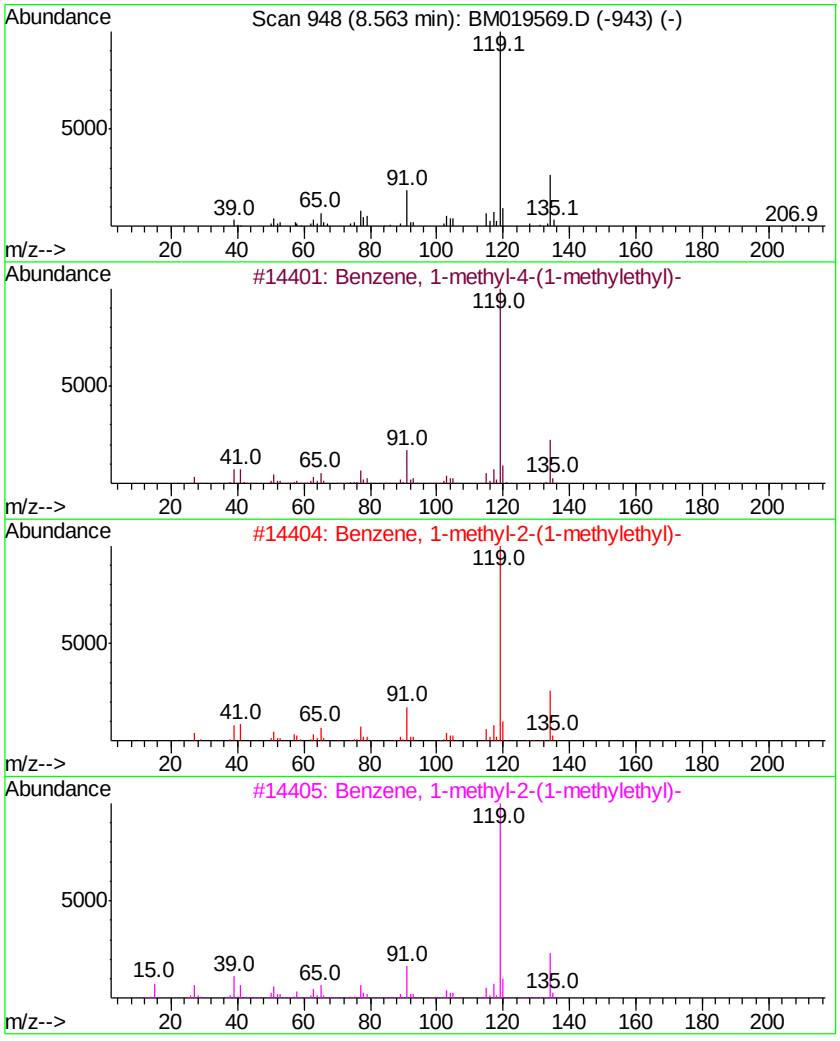
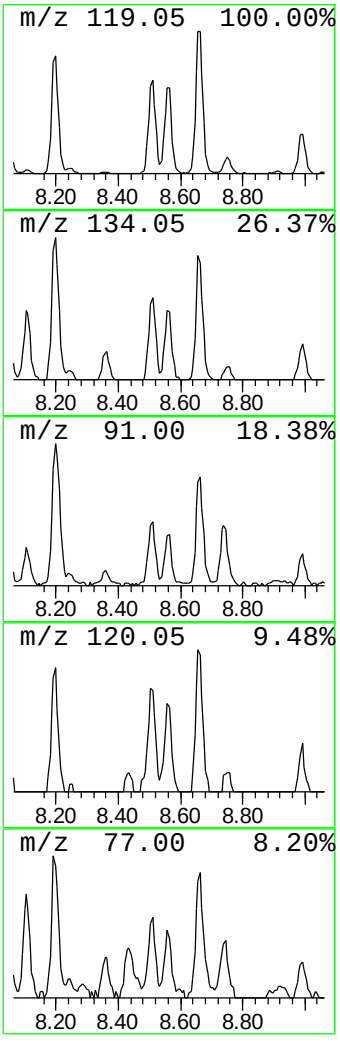
Peak Number 30 Benzene, 1-methyl-4-(1-meth... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.56	4.56 ng/ul	163078	1,4-Dichlorobenzene-d4	7.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	97
2	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	97
3	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	97
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032819\
Data File : BM019569.D
Acq On : 29 Mar 2019 08:16
Operator : JU/SJ
Sample : K2063-08DL2 20X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DB6R8DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

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

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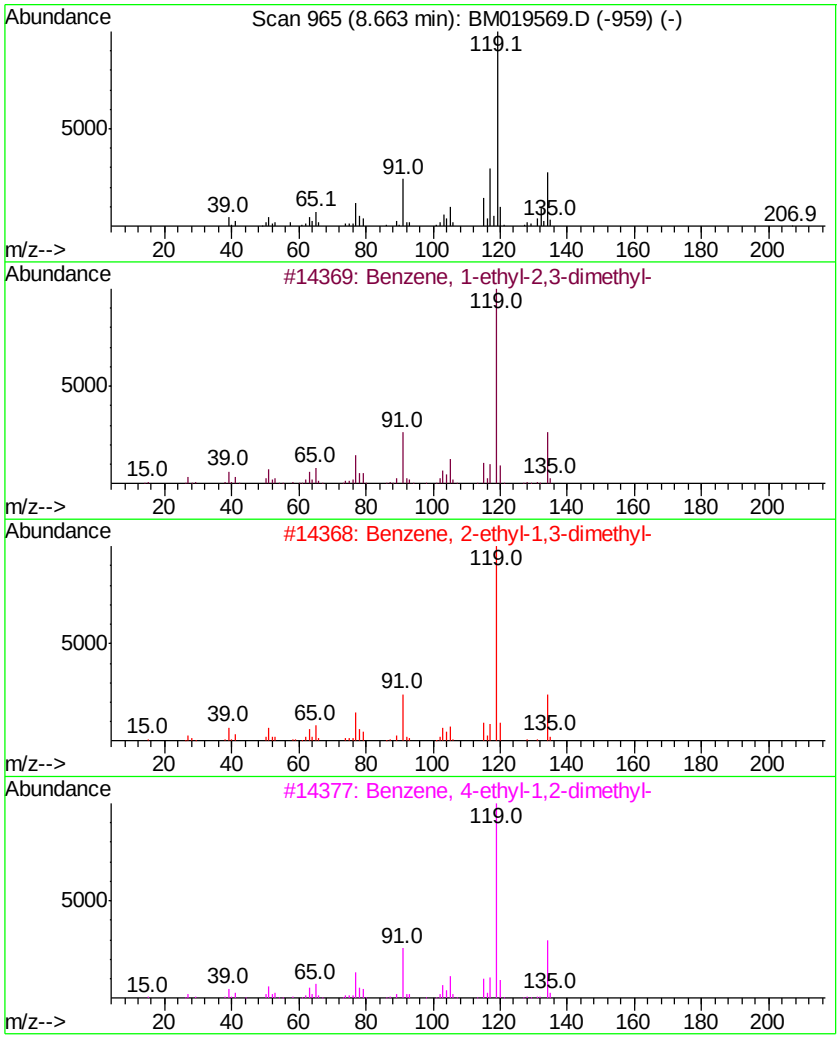
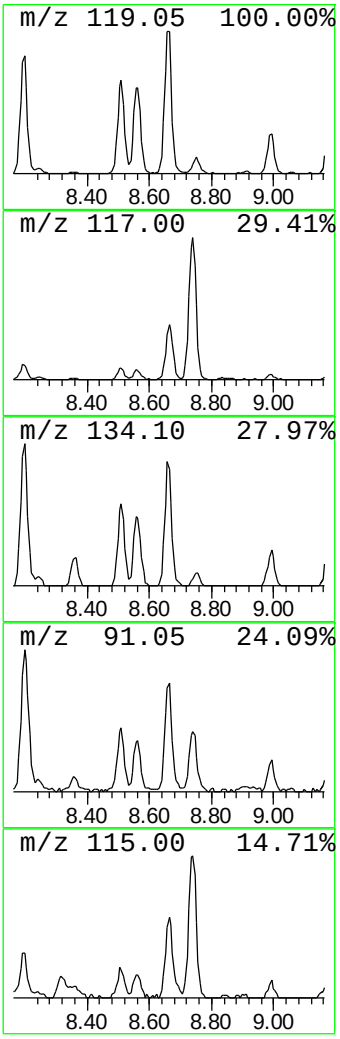
Peak Number 31 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.66	9.50 ng/ul	340062	1,4-Dichlorobenzene-d4	7.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM032819\
Data File : BM019569.D
Acq On : 29 Mar 2019 08:16
Operator : JU/SJ
Sample : K2063-08DL2 20X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DB6R8DL2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.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
2-Pentanol, 2-met...	3.37	5.5	ng/ul	195736	1	7.57	715992	20.0
3-Pentanol, 3-met...	3.63	5.4	ng/ul	191719	1	7.57	715992	20.0
Oxirane, pentyl-	4.12	2.1	ng/ul	75507	1	7.57	715992	20.0
2-Hexanol, 2-methyl-	4.59	6.2	ng/ul	222350	1	7.57	715992	20.0
3-Hexanol, 3-methyl-	4.77	7.8	ng/ul	278654	1	7.57	715992	20.0
Cyclopentanol, 1-...	4.82	5.3	ng/ul	188402	1	7.57	715992	20.0
Propane, 2-ethoxy...	5.04	2.4	ng/ul	87262	1	7.57	715992	20.0
1-Methylcyclohexanol	5.69	3.5	ng/ul	126529	1	7.57	715992	20.0
unknown-01	5.72	2.1	ng/ul	75471	1	7.57	715992	20.0
unknown-02	6.07	10.0	ng/ul	357535	1	7.57	715992	20.0
3-Heptanol, 3-met...	6.25	4.0	ng/ul	144378	1	7.57	715992	20.0
(DEL) Alkane: Str...	6.42	2.0	ng/ul	71635	1	7.57	715992	20.0
Benzene, 1-ethyl-...	6.66	58.2	ng/ul	2083540	1	7.57	715992	20.0
Benzene, 1,3,5-tr...	6.79	26.0	ng/ul	930573	1	7.57	715992	20.0
Benzene, 1,2,3-tr...	7.22	110.8	ng/ul	3968340	1	7.57	715992	20.0
4,7-Methano-1H-in...	7.82	3.5	ng/ul	125168	1	7.57	715992	20.0
Indane	7.93	33.0	ng/ul	1183290	1	7.57	715992	20.0
Benzene, 1,2-diet...	8.05	2.6	ng/ul	91975	1	7.57	715992	20.0
Indene	8.10	13.6	ng/ul	485756	1	7.57	715992	20.0
Benzene, 2-ethyl-...	8.20	8.7	ng/ul	312767	1	7.57	715992	20.0
Benzene, 1-methyl...	8.36	2.2	ng/ul	78640	1	7.57	715992	20.0
Benzene, 1-methyl...	8.56	4.6	ng/ul	163078	1	7.57	715992	20.0
Benzene, 1-ethyl-...	8.66	9.5	ng/ul	340062	1	7.57	715992	20.0