LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121716\
Data File : BM008381.D
Acq On : 16 Dec 2016 19:49
Operator : UM/SJ
Sample : H6039-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8S7

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	239	rBV	242002	360789	3.10%	0.199%
2	4.904	388	394	405	rVV2	751372	1199522	10.32%	0.662%
3	5.340	462	468	478	rVB	331299	754319	6.49%	0.416%
4	5.539	497	502	507	rBV	253959	362497	3.12%	0.200%
5	5.669	519	524	527	rBV	587471	912305	7.85%	0.503%
6	5.734	532	535	538	rVV	390000	613928	5.28%	0.339%
7	5.763	538	540	549	rVV2	263189	432871	3.72%	0.239%
8	5.963	567	574	583	rVB2	229937	404908	3.48%	0.223%
9	6.322	629	635	641	rBV2	348420	549371	4.72%	0.303%
10	6.410	641	650	664	rVB3	1016838	2584954	22.23%	1.426%
11	6.528	664	670	676	rBV3	177244	376686	3.24%	0.208%
12	6.734	701	705	713	rVB2	678918	1132671	9.74%	0.625%
13	6.892	727	732	736	rBV2	303886	509232	4.38%	0.281%
14	7.010	746	752	756	rBV	393209	604504	5.20%	0.334%
15	7.075	756	763	769	rVB2	395141	729878	6.28%	0.403%
16	7.175	777	780	783	rVB2	307847	400188	3.44%	0.221%
17	7.222	783	788	794	rVV2	352177	822892	7.08%	0.454%
18	7.310	800	803	812	rVB3	306733	577593	4.97%	0.319%
19	7.404	812	819	823	rBV	947671	1488887	12.80%	0.822%
20	7.486	823	833	839	rVB4	650510	1442479	12.40%	0.796%
21	7.663	852	863	869	rBV2	612062	1326721	11.41%	0.732%
22	7.722	869	873	878	rVV3	338825	625206	5.38%	0.345%
23	7.886	896	901	906	rBV	307508	522264	4.49%	0.288%
24	7.957	906	913	921	rVV2	6112577	11197141	96.29%	6.179%
25	8.063	926	931	939	rVV5	536737	1190232	10.24%	0.657%
26	8.133	939	943	948	rVV2	221905	382999	3.29%	0.211%
27	8.316	967	974	982	rVB2	4934031	8130359	69.92%	4.486%
28	8.404	983	989	1001	rVB2	347186	686451	5.90%	0.379%
29	8.622	1022	1026	1031	rVB	346205	505265	4.35%	0.279%
30	8.680	1031	1036	1039	rBV2	312406	507003	4.36%	0.280%
31	8.728	1039	1044	1046	rVV	438899	669547	5.76%	0.369%
32	8.775	1046	1052	1058	rVV2	4152770	7141933	61.42%	3.941%
33	8.828	1058	1061	1066	rVB	442910	640109	5.50%	0.353%
34	8.945	1072	1081	1089	rBV	3109146	6179698	53.14%	3.410%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121716\
Data File : BM008381.D
Acq On : 16 Dec 2016 19:49
Operator : UM/SJ
Sample : H6039-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8S7

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	9.022	1089	1094	1099	rVB2	712767	1285129	11.05%	0.709%
36	9.086	1099	1105	1118	rBV	2403039	4545432	39.09%	2.508%
37	9.204	1118	1125	1133	rVB2	1133299	2441347	20.99%	1.347%
38	9.380	1146	1155	1156	rBV	263909	455323	3.92%	0.251%
39	9.427	1157	1163	1175	rVB3	3073444	5717424	49.17%	3.155%
40	9.569	1175	1187	1192	rBV5	1135812	3401819	29.25%	1.877%
41	9.645	1193	1200	1205	rBV2	4032886	6904040	59.37%	3.810%
42	9.692	1205	1208	1213	rVV2	825328	1273413	10.95%	0.703%
43	9.745	1213	1217	1223	rVB	1503750	2407279	20.70%	1.328%
44	9.816	1223	1229	1233	rBV5	200761	385354	3.31%	0.213%
45	9.957	1239	1253	1262	rVB	6154656	11628632	100.00%	6.417%
46	10.092	1269	1276	1283	rBV4	1757668	3775443	32.47%	2.083%
47	10.280	1301	1308	1309	rBV2	649168	1089006	9.36%	0.601%
48	10.304	1309	1312	1314	rVV2	760872	1183120	10.17%	0.653%
49	10.339	1314	1318	1324	rVB3	1635213	2795040	24.04%	1.542%
50	10.433	1324	1334	1338	rBV3	460147	1221389	10.50%	0.674%
51	10.486	1338	1343	1349	rBV3	538177	1155585	9.94%	0.638%
52	10.598	1357	1362	1371	rVB2	972844	1674558	14.40%	0.924%
53	10.727	1371	1384	1392	rBV4	435973	1768025	15.20%	0.976%
54	10.810	1392	1398	1407	rVV4	1671415	3824890	32.89%	2.111%
55	10.898	1408	1413	1421	rVV4	447088	1291571	11.11%	0.713%
56	10.992	1422	1429	1433	rVV	1713496	3295546	28.34%	1.819%
57	11.033	1433	1436	1445	rVV2	950716	1728777	14.87%	0.954%
58	11.210	1462	1466	1473	rVV2	286876	566404	4.87%	0.313%
59	11.292	1473	1480	1492	rVV	4261666	7916830	68.08%	4.369%
60	11.474	1502	1511	1516	rVV	896377	1780447	15.31%	0.982%
61	11.533	1516	1521	1526	rVV	2127476	3670367	31.56%	2.025%
62	11.580	1526	1529	1537	rVV4	569807	1366658	11.75%	0.754%
63	11.645	1537	1540	1544	rVV	279640	453669	3.90%	0.250%
64	11.698	1545	1549	1552	rVV6	257068	498200	4.28%	0.275%
65	11.727	1552	1554	1558	rVV4	300303	474324	4.08%	0.262%
66	11.769	1558	1561	1565	rVV2	258740	412661	3.55%	0.228%
67	11.857	1571	1576	1581	rVB2	520102	818655	7.04%	0.452%
68	11.968	1590	1595	1598	rBV	191534	349975	3.01%	0.193%
69	12.068	1608	1612	1615	rBV	397579	563827	4.85%	0.311%
70	12.104	1615	1618	1622	rVB3	229872	333768	2.87%	0.184%
71	12.168	1622	1629	1635	rBV3	840468	1883348	16.20%	1.039%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121716\
Data File : BM008381.D
Acq On : 16 Dec 2016 19:49
Operator : UM/SJ
Sample : H6039-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8S7

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	12.227	1635	1639	1642	rBV2	501085	721493	6.20%	0.398%
73	12.263	1642	1645	1650	rVB2	368062	516942	4.45%	0.285%
74	12.339	1650	1658	1662	rBV3	560111	1117552	9.61%	0.617%
75	12.380	1662	1665	1671	rVB2	471753	735845	6.33%	0.406%
76	12.457	1672	1678	1681	rBV	821244	1304857	11.22%	0.720%
77	12.498	1681	1685	1693	rVB2	1563654	2477781	21.31%	1.367%
78	12.721	1718	1723	1727	rVV5	489648	894866	7.70%	0.494%
79	12.763	1727	1730	1735	rVB2	375186	562183	4.83%	0.310%
80	12.827	1737	1741	1746	rVB6	203296	389862	3.35%	0.215%
81	12.898	1747	1753	1761	rVB2	503592	1013835	8.72%	0.559%
82	13.004	1762	1771	1775	rBV3	297883	829015	7.13%	0.457%
83	13.098	1781	1787	1794	rVB8	345525	719754	6.19%	0.397%
84	13.280	1815	1818	1826	rVB2	229935	435035	3.74%	0.240%
85	13.451	1842	1847	1850	rBV3	518861	828908	7.13%	0.457%
86	13.486	1850	1853	1858	rVV4	466087	784395	6.75%	0.433%
87	13.580	1866	1869	1876	rVV5	190560	358651	3.08%	0.198%
88	13.721	1888	1893	1899	rVB	1351596	2190766	18.84%	1.209%
89	13.810	1902	1908	1914	rBV4	404581	782299	6.73%	0.432%
90	13.998	1934	1940	1947	rBV	1329518	2069956	17.80%	1.142%
91	14.304	1987	1992	1996	rBV	858945	1199466	10.31%	0.662%
92	14.351	1996	2000	2006	rVB6	192267	359798	3.09%	0.199%
93	15.304	2153	2162	2168	rBV	1803957	2663024	22.90%	1.469%
94	15.462	2183	2189	2196	rBV2	512323	857179	7.37%	0.473%
95	17.056	2455	2460	2466	rBV2	1005534	1449578	12.47%	0.800%
96	17.156	2471	2477	2486	rVB2	1951671	2801631	24.09%	1.546%
97	19.456	2863	2868	2878	rBV	2387031	3363675	28.93%	1.856%
98	21.256	3169	3174	3184	rBV	1459296	1985954	17.08%	1.096%
99	23.344	3522	3529	3542	rVB2	1874133	3649645	31.38%	2.014%
100	23.485	3547	3553	3564	rVB	909831	1855663	15.96%	1.024%

Sum of corrected areas: 181222285

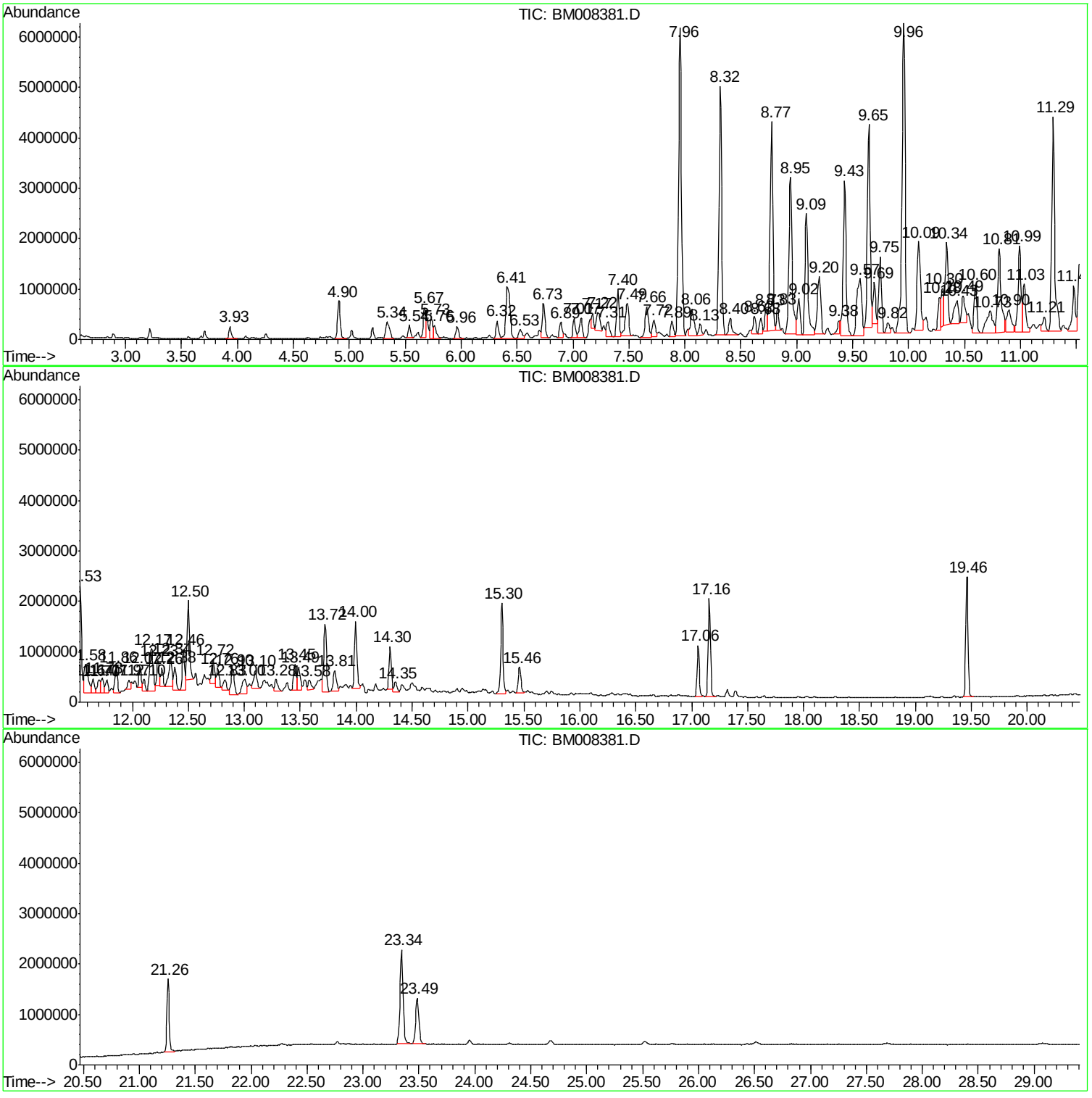
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121716\
Data File : BM008381.D
Acq On : 16 Dec 2016 19:49
Operator : UM/SJ
Sample : H6039-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8S7

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121716\
Data File : BM008381.D
Acq On : 16 Dec 2016 19:49
Operator : UM/SJ
Sample : H6039-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8S7

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

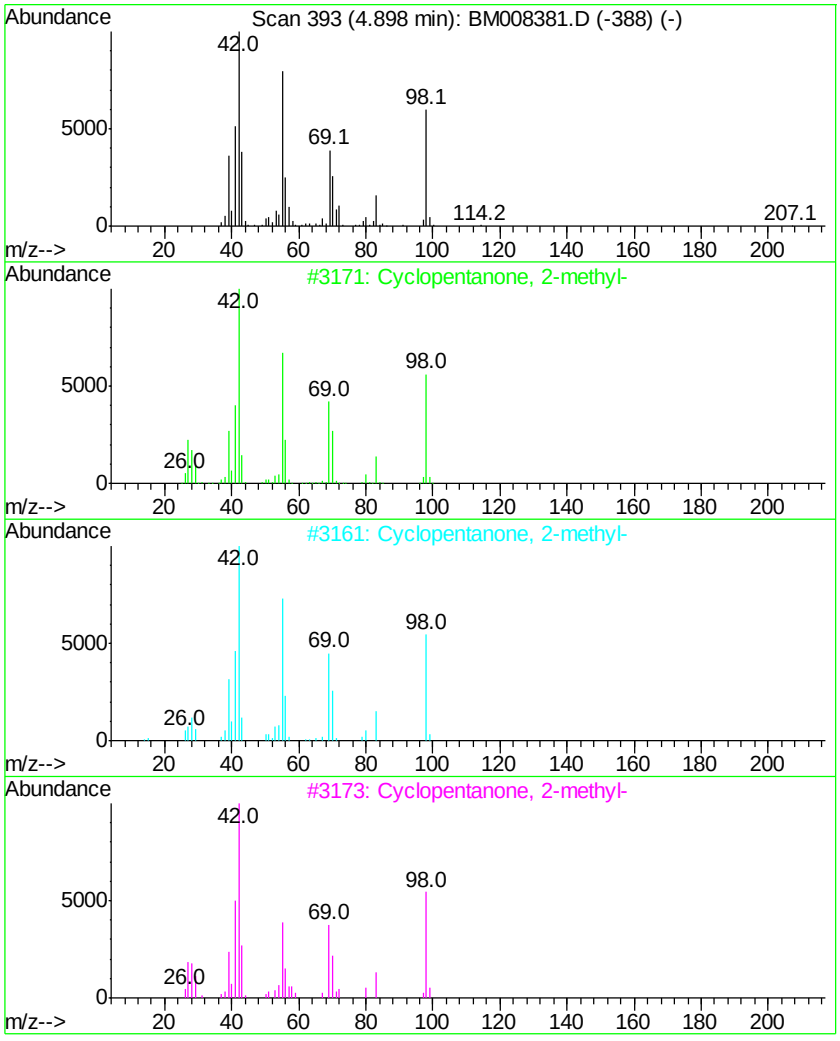
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

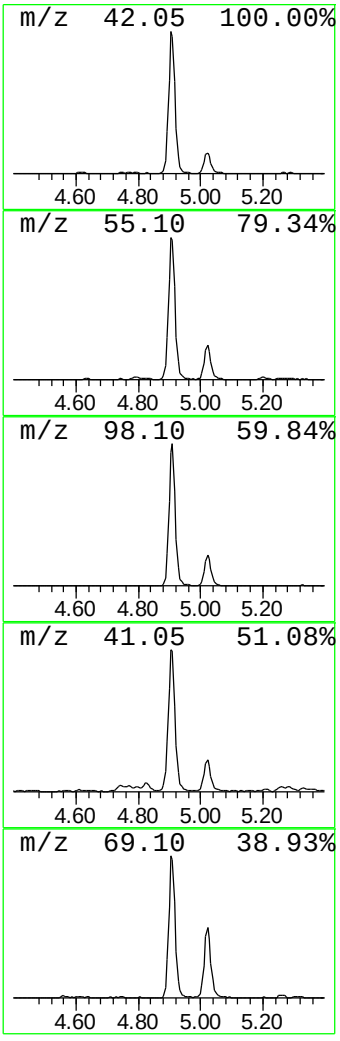
****

Peak Number 2 Cyclopentanone, 2-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.90	18.08 ng/ul	1199520	1,4-Dichlorobenzene-d4	7.66

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	Cyclopentanone, 2-methyl-	98	C6H10O	001120-72-5	87
4	Cyclohexanone	98	C6H10O	000108-94-1	74
5	Cyclopentanone, 2-methyl-	98	C6H10O	001120-72-5	68





Data Path : Z:\HPCHEM1\BNA M\DATA\BM121716\
Data File : BM008381.D
Acq On : 16 Dec 2016 19:49
Operator : UM/SJ
Sample : H6039-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8S7

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

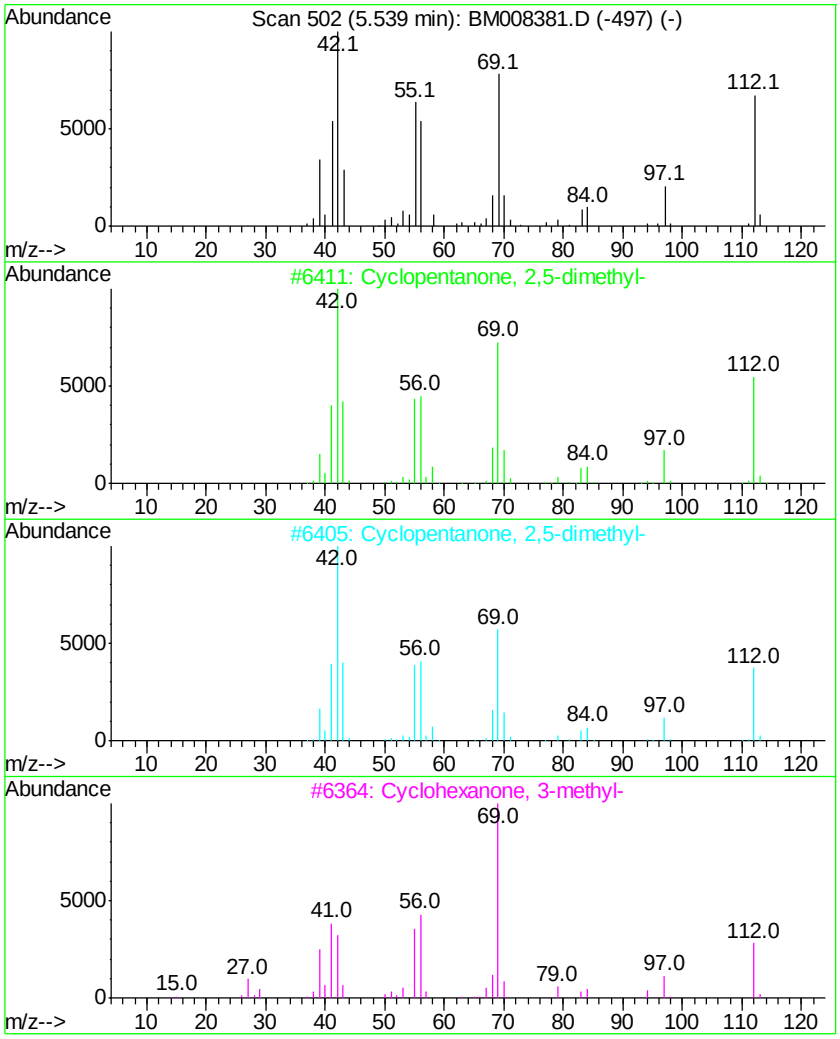
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

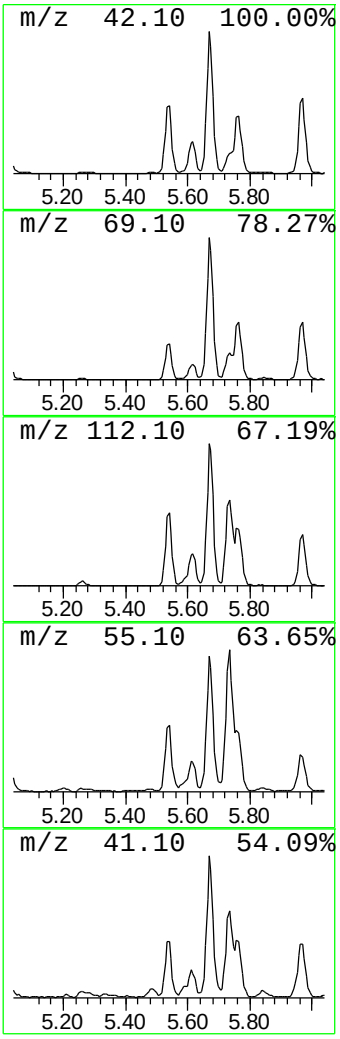
****

Peak Number 4 Cyclopentanone, 2,5-dimethyl- Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.54	5.46 ng/ul	362497	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 2,5-dimethyl-	112	C7H12O	004041-09-2	95
2	Cyclopentanone, 2,5-dimethyl-	112	C7H12O	004041-09-2	86
3	Cyclohexanone, 3-methyl-	112	C7H12O	000591-24-2	72
4	1,2,4-Cyclopentanetrione	112	C5H4O3	015849-14-6	53
5	Cyclohexanone, 3-methyl-, (R)-	112	C7H12O	013368-65-5	46





Data Path : Z:\HPCHEM1\BNA M\DATA\BM121716\
Data File : BM008381.D
Acq On : 16 Dec 2016 19:49
Operator : UM/SJ
Sample : H6039-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8S7

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

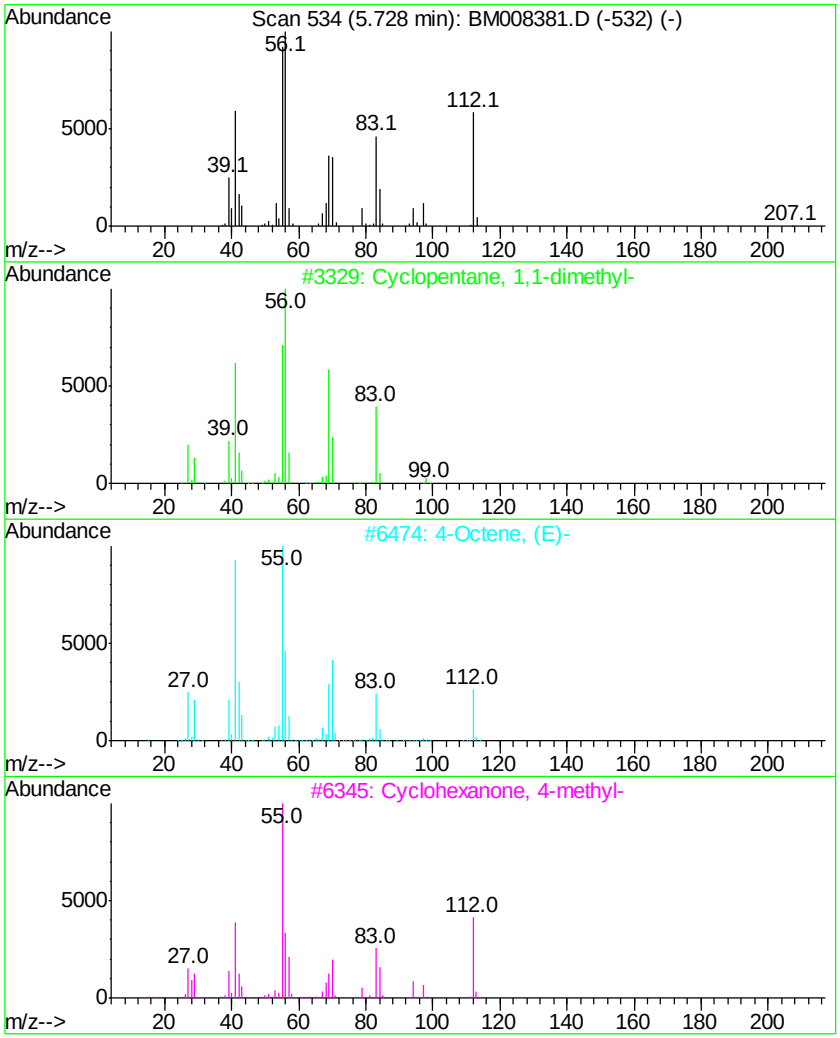
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

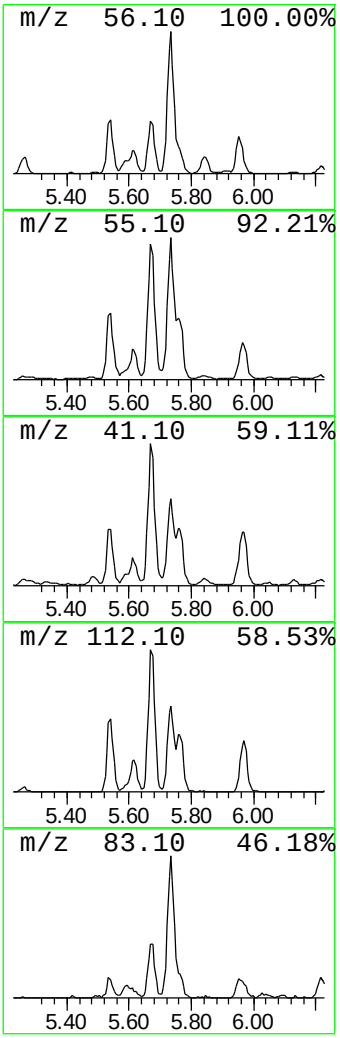
****

Peak Number 6 (DEL) Alkane: Cyclic5.73 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.73	9.25 ng/ul	613928	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	53
2	4-Octene, (E)-	112	C8H16	014850-23-8	53
3	Cyclohexanone, 4-methyl-	112	C7H12O	000589-92-4	49
4	Cyclopentanone, 2,2-dimethyl-	112	C7H12O	004541-32-6	47
5	Cyclopentanone, 2,3-dimethyl-	112	C7H12O	1000151-06-7	43





Data Path : Z:\HPCHEM1\BNA M\DATA\BM121716\
Data File : BM008381.D
Acq On : 16 Dec 2016 19:49
Operator : UM/SJ
Sample : H6039-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8S7

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

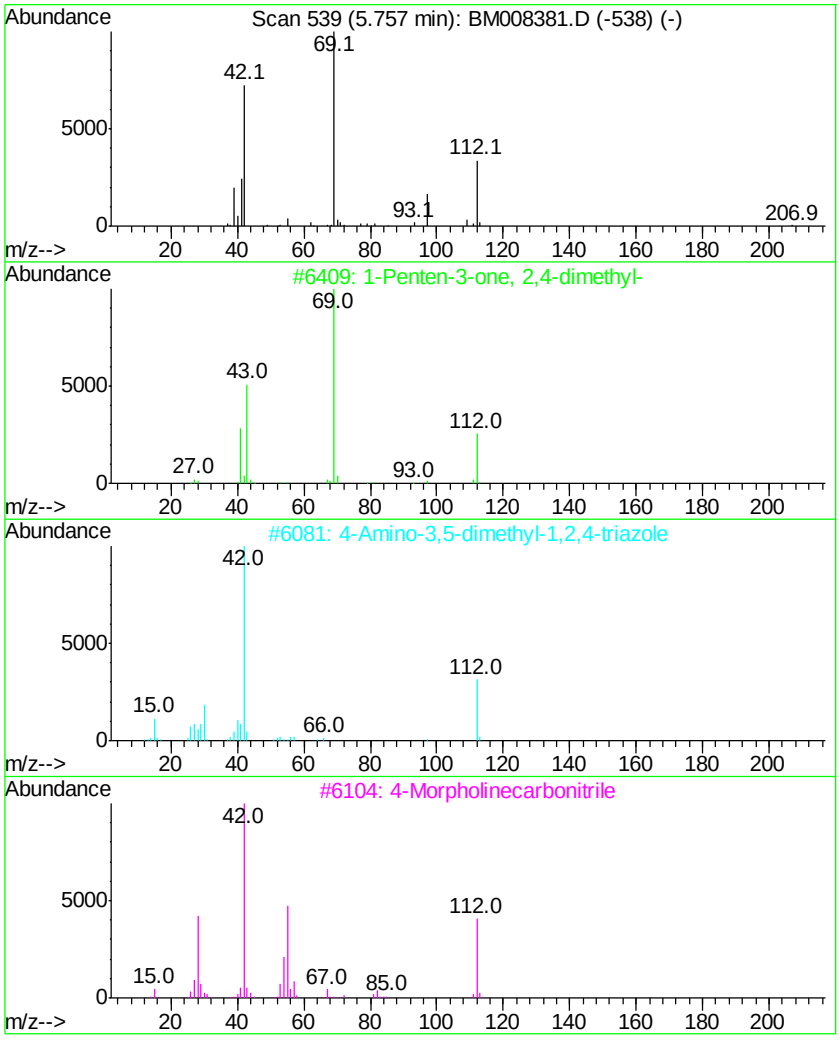
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

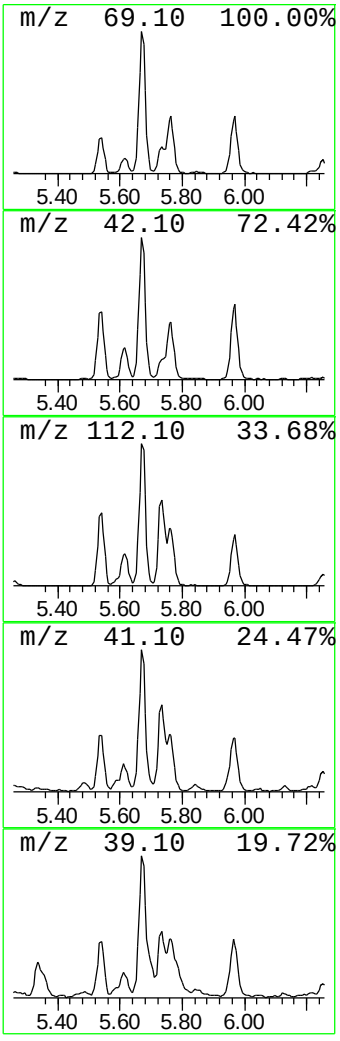
****

Peak Number 7 unknown-01 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.76	6.53 ng/ul	432871	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Penten-3-one, 2,4-dimethyl-	112	C7H12O	003212-68-8	46
2	4-Amino-3,5-dimethyl-1,2,4-triazole	112	C4H8N4	003530-15-2	12
3	4-Morpholinecarbonitrile	112	C5H8N2O	001530-89-8	9
4	Cyclohexanone, 3-methyl-	112	C7H12O	000591-24-2	9
5	2-Hexene, 2,5-dimethyl-	112	C8H16	003404-78-2	9





Data Path : Z:\HPCHEM1\BNA M\DATA\BM121716\
Data File : BM008381.D
Acq On : 16 Dec 2016 19:49
Operator : UM/SJ
Sample : H6039-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8S7

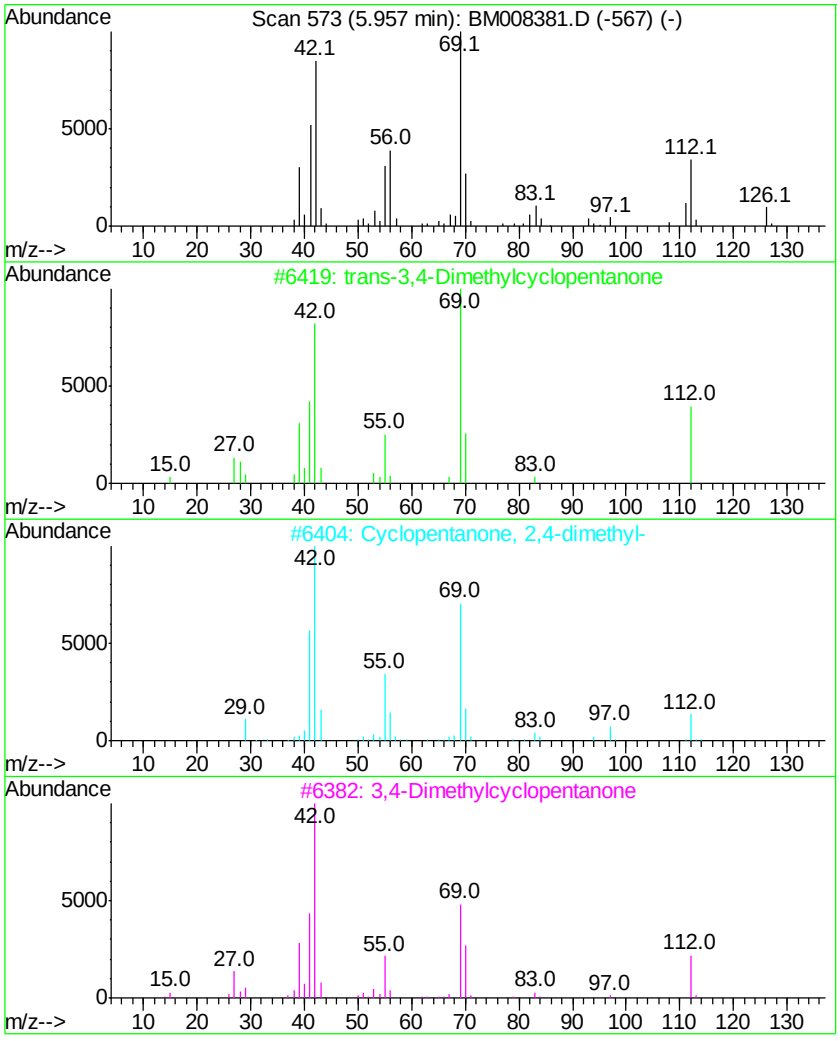
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

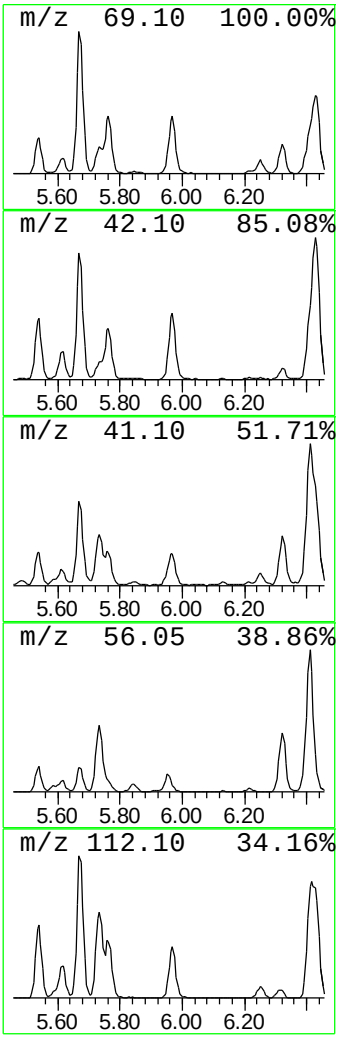
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 trans-3,4-Dimethylcyclopent... Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.96	6.10 ng/ul	404908	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-3,4-Dimethylcyclopentanone	112	C7H12O	019550-73-3	87
2	Cyclopentanone, 2,4-dimethyl-	112	C7H12O	001121-33-1	86
3	3,4-Dimethylcyclopentanone	112	C7H12O	058372-16-0	74
4	2-Hexene, 2,5-dimethyl-	112	C8H16	003404-78-2	47
5	Triethylenediamine	112	C6H12N2	000280-57-9	43





Library Search Compound Report

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Acq On : 16 Dec 2016 19:49
Operator : UM/SJ
Sample : H6039-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8S7

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Quant Title : SVOA CALIBRATION

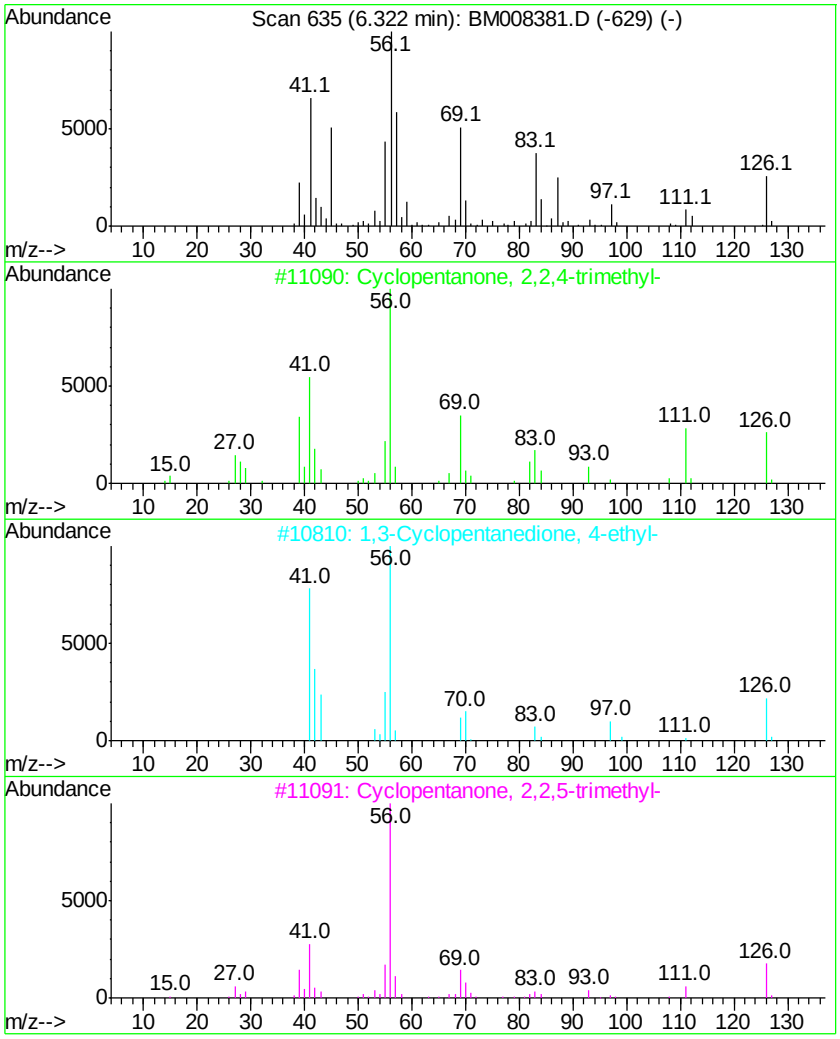
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

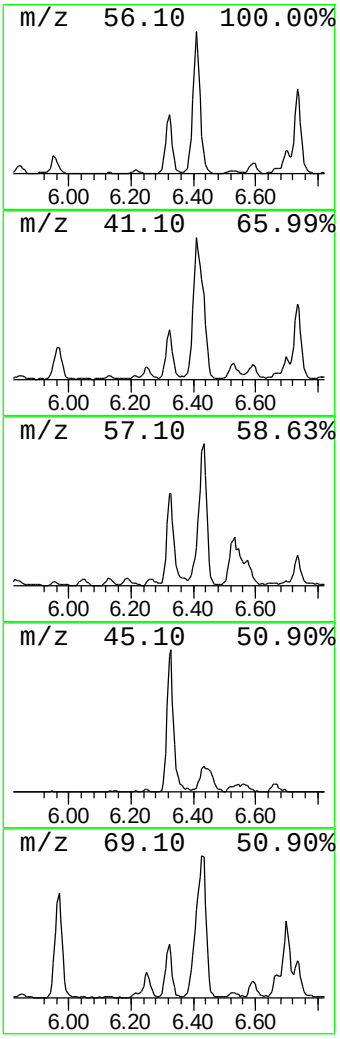
****

Peak Number 9 unknown-02 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.32	8.28 ng/ul	549371	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 2,2,4-trimethyl-	126	C8H14O	028056-54-4	43
2	1,3-Cyclopentanedione, 4-ethyl-	126	C7H10O2	057157-03-6	43
3	Cyclopentanone, 2,2,5-trimethyl-	126	C8H14O	004573-09-5	38
4	1,3-Cyclopentanedione, 4,4-dimet...	126	C7H10O2	004683-51-6	35
5	1,3-Cyclopentanedione, 4,5-dimet...	126	C7H10O2	035029-05-1	35





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Sample : H6039-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8S7

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Quant Title : SVOA CALIBRATION

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

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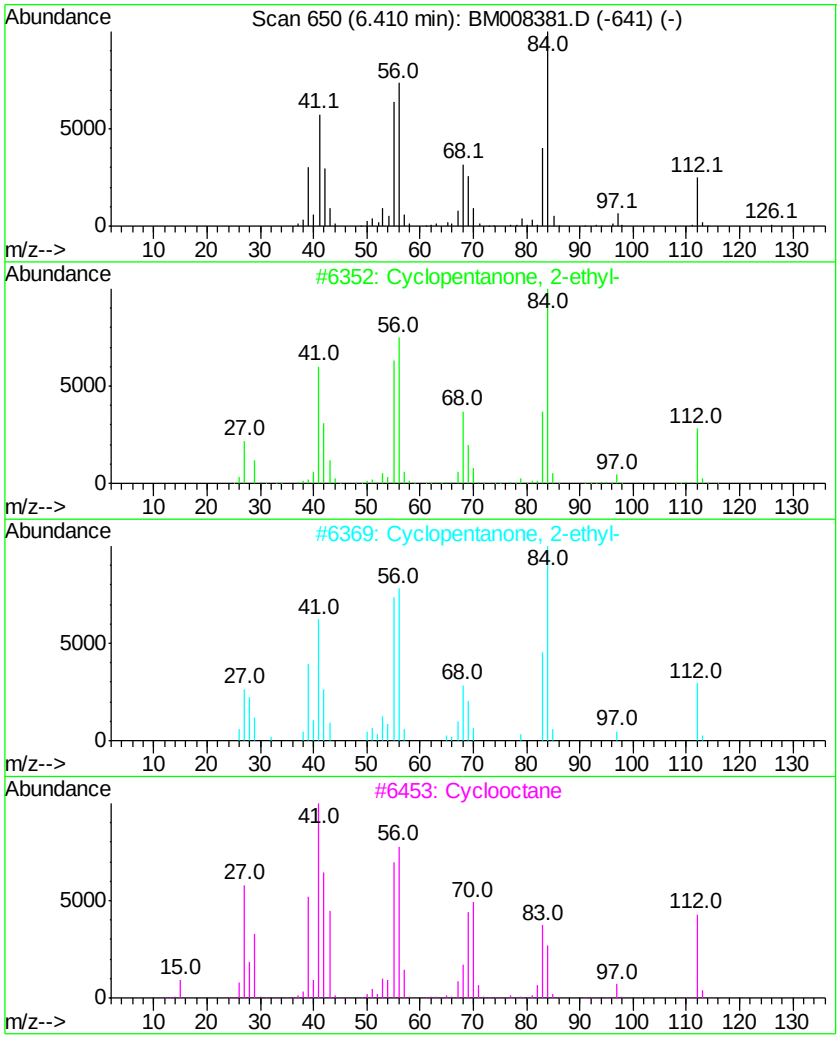
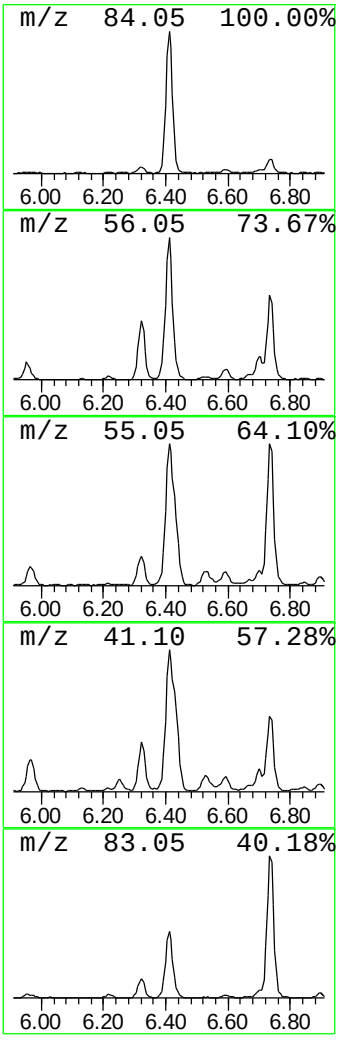
Peak Number 10 Cyclopentanone, 2-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.41	38.97 ng/ul	2584950	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 2-ethyl-	112	C7H12O	004971-18-0	97
2	Cyclopentanone, 2-ethyl-	112	C7H12O	004971-18-0	94
3	Cyclooctane	112	C8H16	000292-64-8	58
4	Cyclohexane	84	C6H12	000110-82-7	49
5	Cyclopentanone, 2,3-dimethyl-	112	C7H12O	1000151-06-7	43





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Sample : H6039-11
Misc :
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Instrument : BNA_M
ClientSampleId : DA8S7

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Quant Title : SVOA CALIBRATION

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

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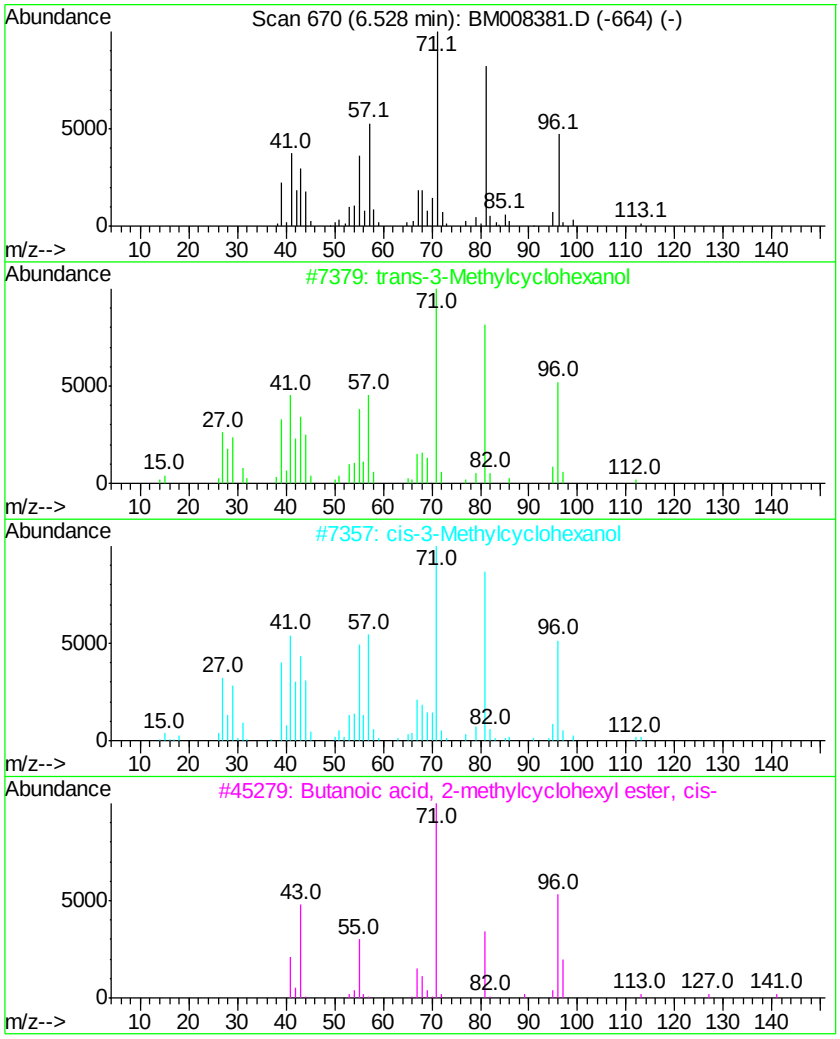
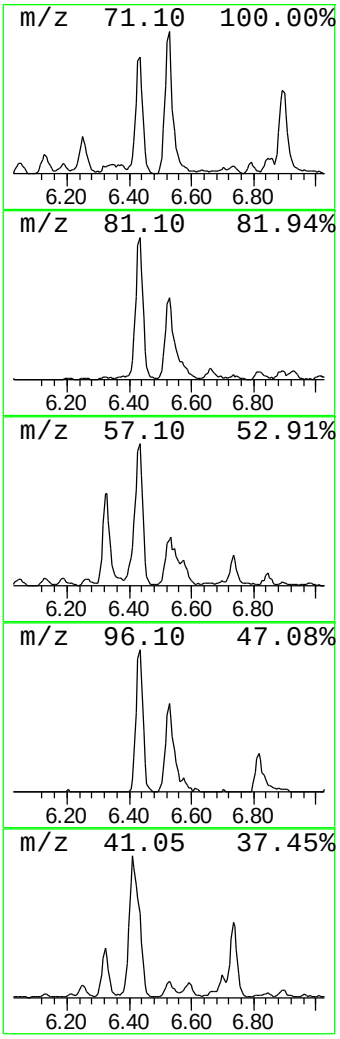
Peak Number 11 trans-3-Methylcyclohexanol Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	5.68 ng/ul	376686	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-3-Methylcyclohexanol	114	C7H14O	007443-55-2	83
2	cis-3-Methylcyclohexanol	114	C7H14O	005454-79-5	83
3	Butanoic acid, 2-methylcyclohexy...	184	C11H20O2	054714-35-1	47
4	Cyclopropane, trimethylmethylene-	96	C7H12	034462-28-7	43
5	Cyclohexanol, 3-methyl-	114	C7H14O	000591-23-1	40





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Sample : H6039-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8S7

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Quant Title : SVOA CALIBRATION

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

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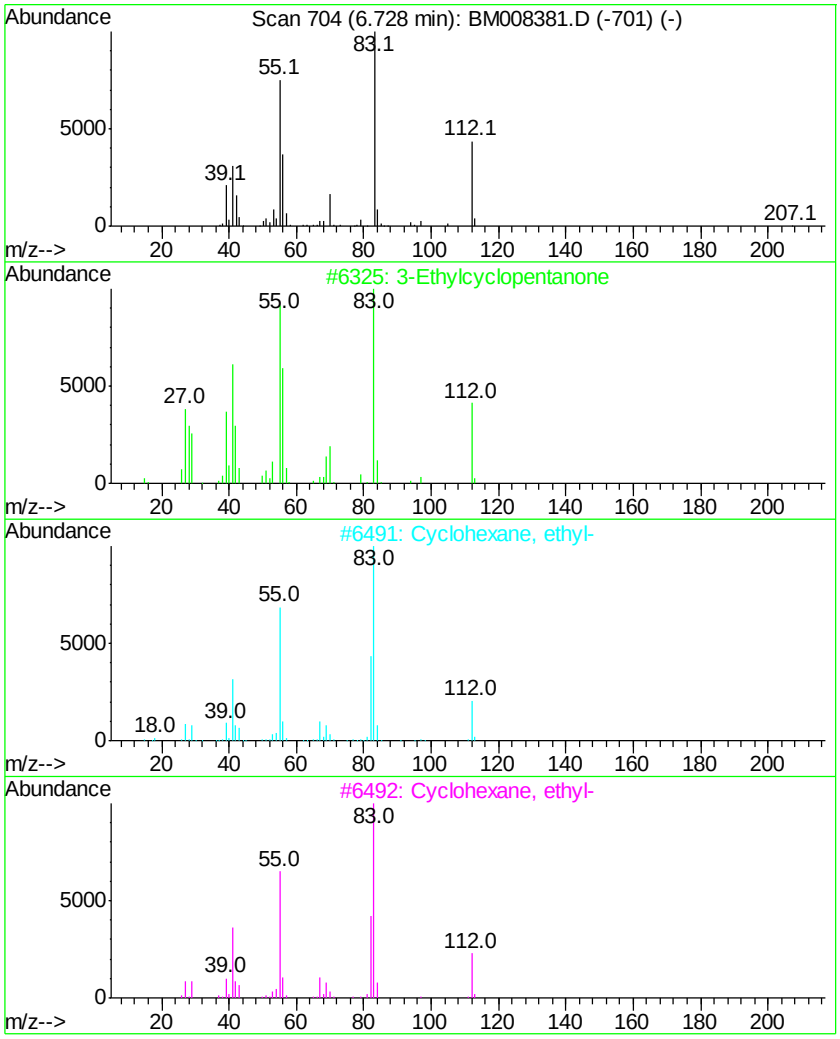
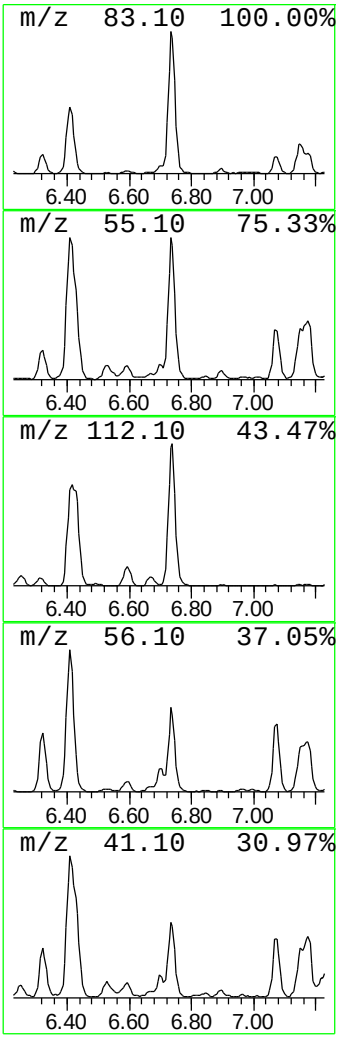
Peak Number 12 3-Ethylcyclopentanone Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	17.07 ng/ul	1132670	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Ethylcyclopentanone	112	C7H12O	010264-55-8	91
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	64
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	64
4	2-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-67-7	59
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	59





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Acq On : 16 Dec 2016 19:49
Operator : UM/SJ
Sample : H6039-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8S7

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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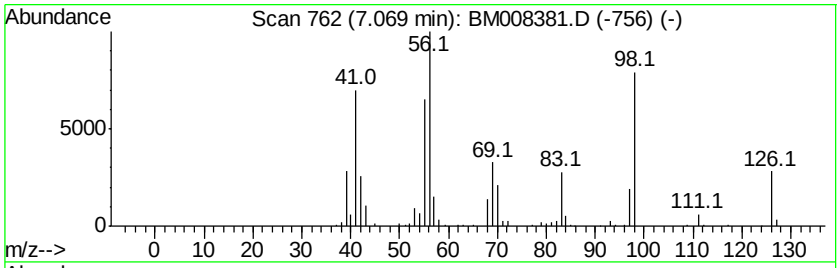
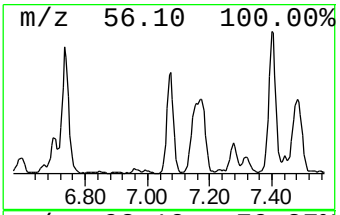
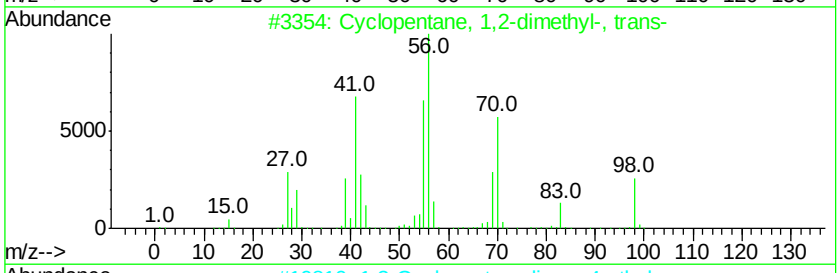
Peak Number 13 (DEL) Alkane: Cyclic7.07 Concentration Rank 45

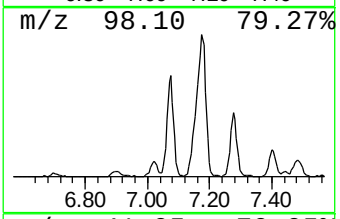
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.07	11.00 ng/ul	729878	1,4-Dichlorobenzene-d4	7.66

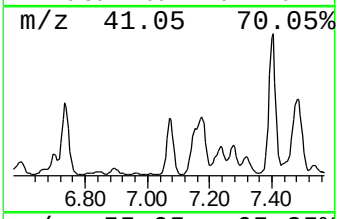
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	64
2	1,3-Cyclopentanedione, 4-ethyl-	126	C7H10O2	057157-03-6	47
3	Cyclohexanone, 2-ethyl-	126	C8H14O	004423-94-3	47
4	Cycloheptanone, 2-methyl-	126	C8H14O	000932-56-9	43
5	Diethylcyanamide	98	C5H10N2	000617-83-4	38

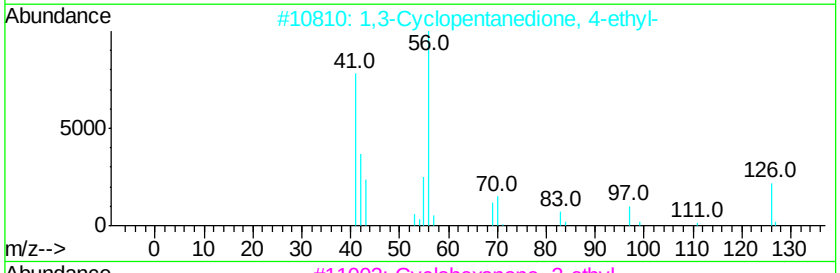


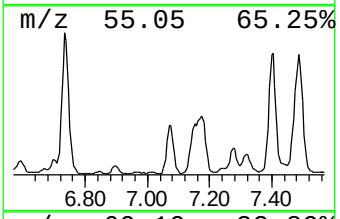


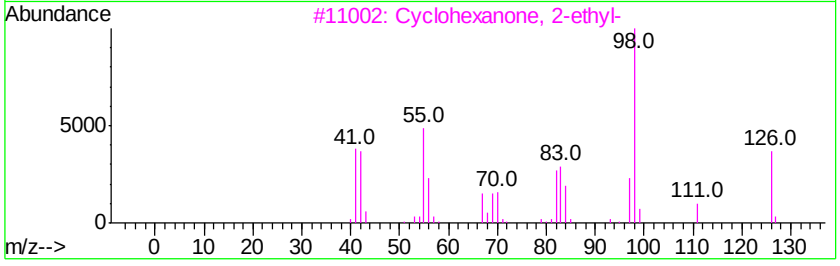


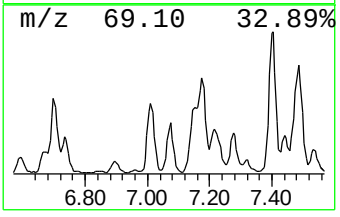












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Acq On : 16 Dec 2016 19:49
Operator : UM/SJ
Sample : H6039-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8S7

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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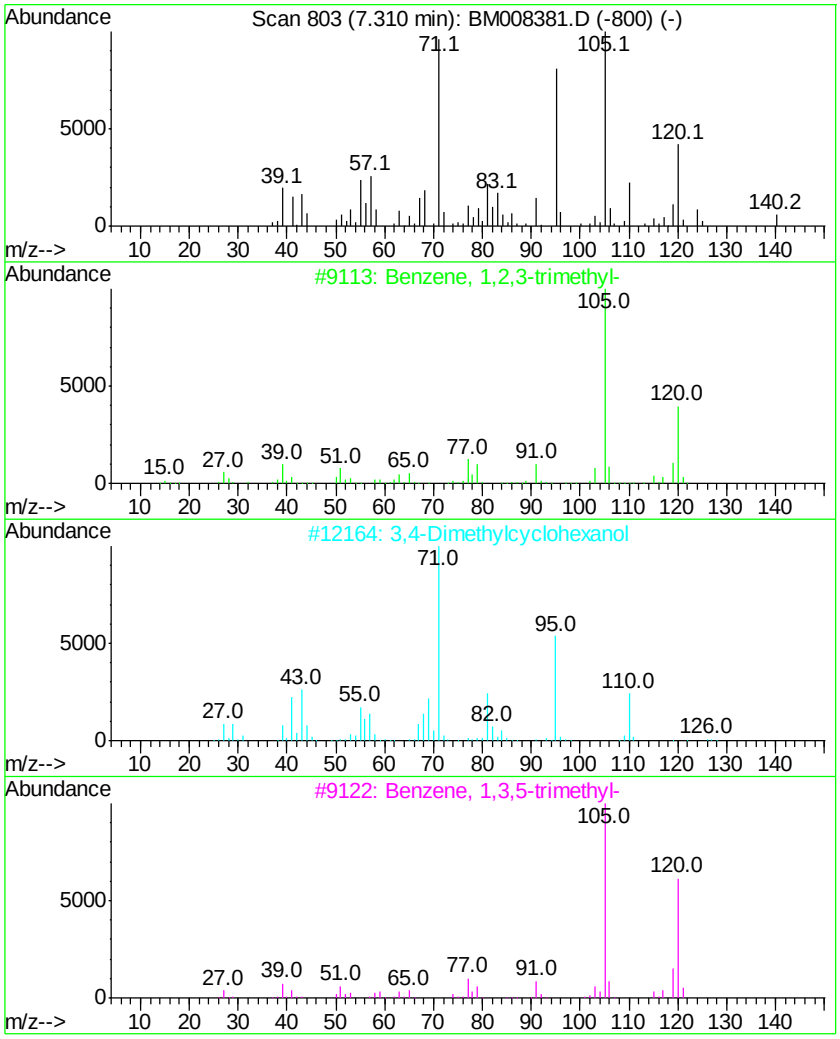
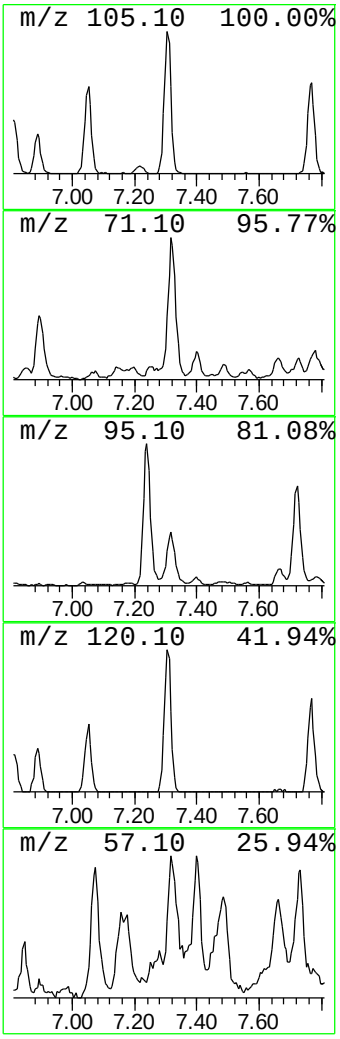
Peak Number 14 unknown-03 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.31	8.71 ng/ul	577593	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	43
2	3,4-Dimethylcyclohexanol	128	C8H16O	005715-23-1	38
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	35
4	2,5-Dimethylcyclohexanol	128	C8H16O	003809-32-3	35
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	35





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Sample : H6039-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8S7

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Quant Title : SVOA CALIBRATION

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

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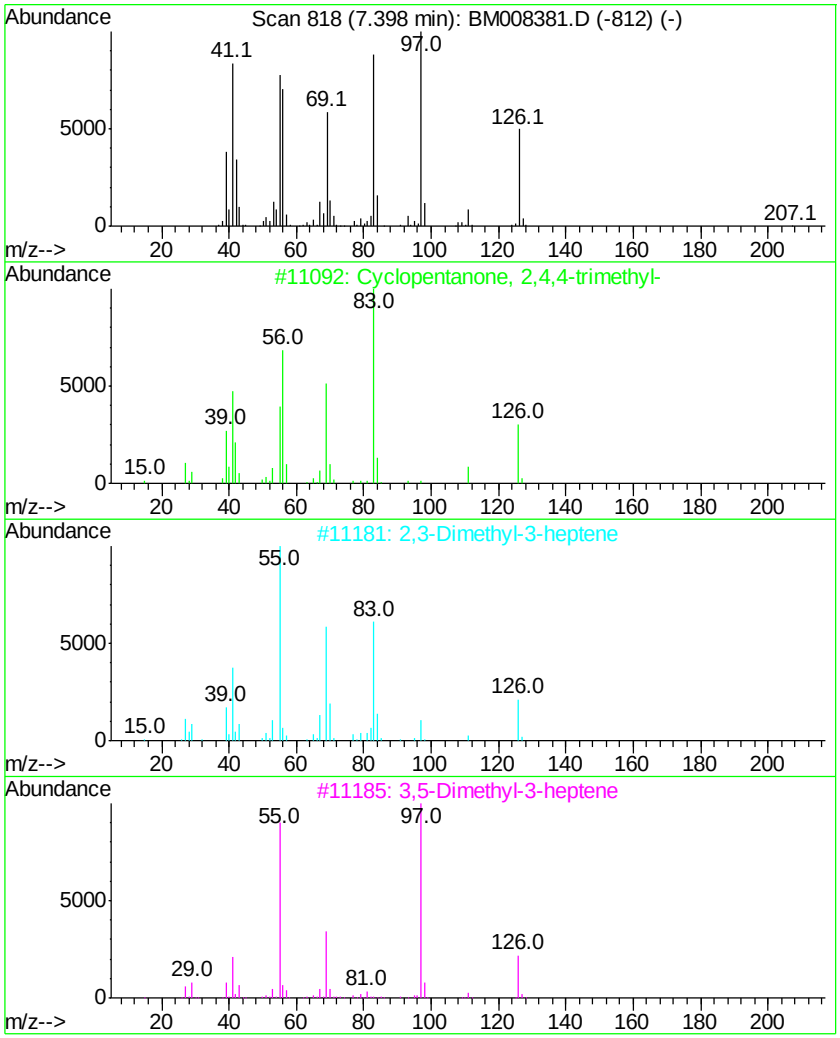
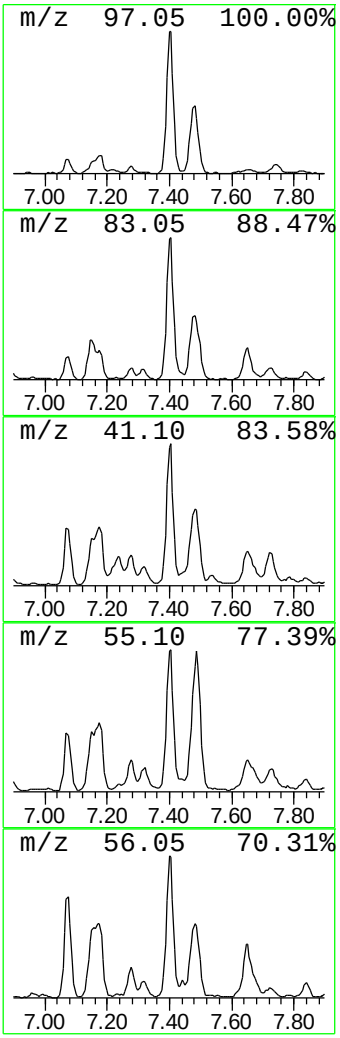
Peak Number 15 Cyclopentanone, 2,4,4-trime... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	22.44 ng/ul	1488890	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 2,4,4-trimethyl-	126	C8H14O	004694-12-6	58
2	2,3-Dimethyl-3-heptene	126	C9H18	1000113-49-3	50
3	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	43
4	3-Nonene	126	C9H18	020063-77-8	38
5	Thiophene, 2-propyl-	126	C7H10S	001551-27-5	30





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Sample : H6039-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8S7

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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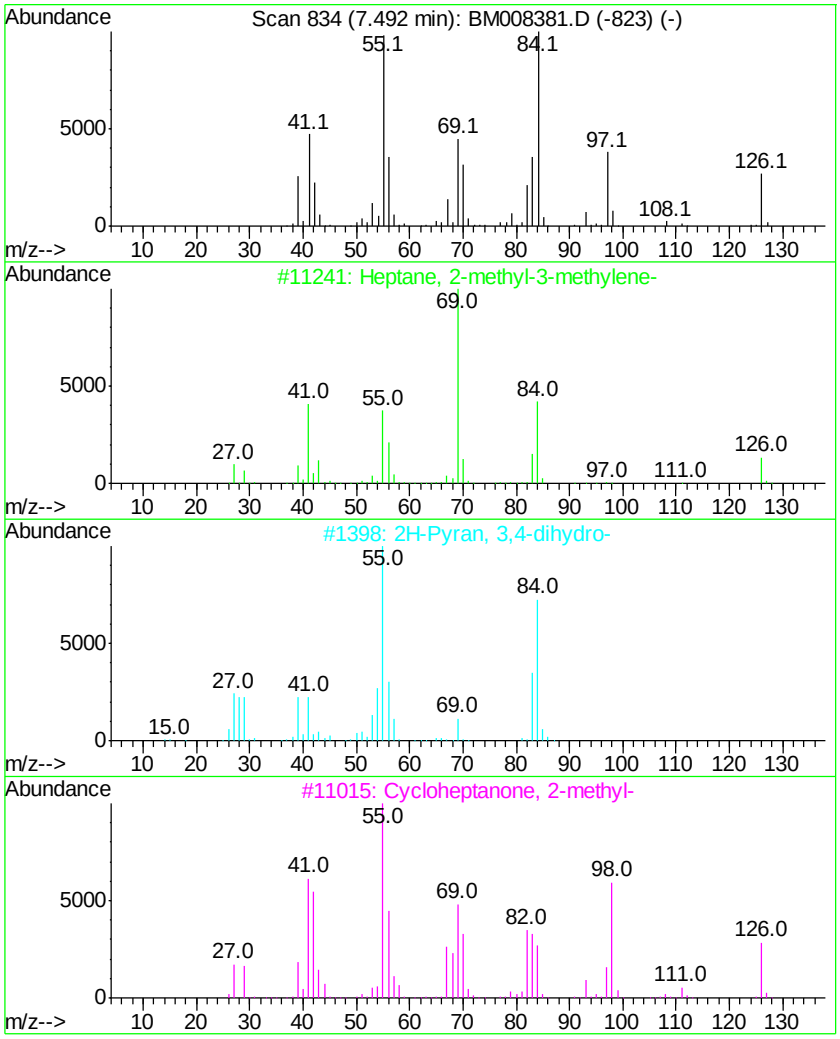
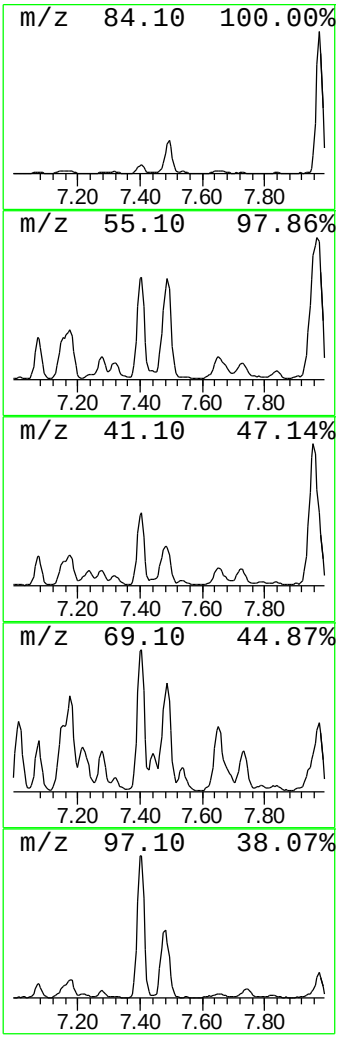
Peak Number 16 (DEL) Alkane: Cyclic7.49 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.49	21.75 ng/ul	1442480	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-3-methylene-	126	C9H18	062187-11-5	74
2	2H-Pyran, 3,4-dihydro-	84	C5H8O	000110-87-2	49
3	Cycloheptanone, 2-methyl-	126	C8H14O	000932-56-9	43
4	3-Heptene, 4-ethyl-	126	C9H18	033933-74-3	43
5	trans-1,2-Diethyl cyclopentane	126	C9H18	000932-40-1	43





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8S7

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Quant Title : SVOA CALIBRATION

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

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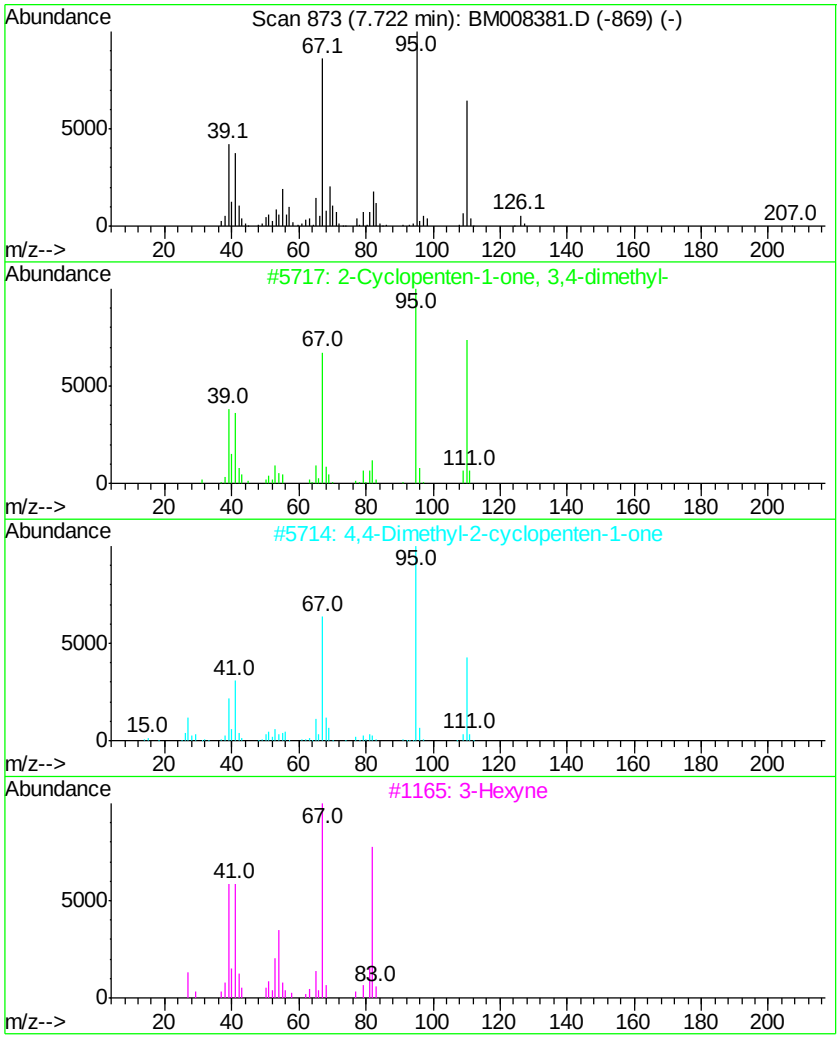
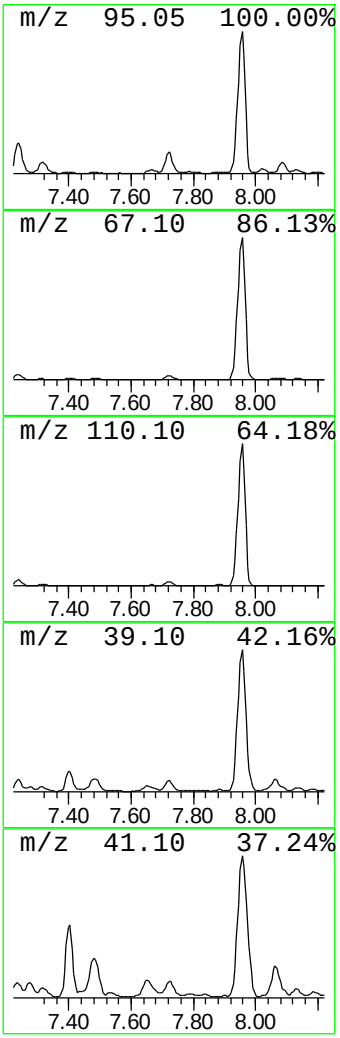
Peak Number 17 2-Cyclopenten-1-one, 3,4-di... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.72	9.42 ng/ul	625206	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclopenten-1-one, 3,4-dimethyl-	110	C7H10O	030434-64-1	90
2	4,4-Dimethyl-2-cyclopenten-1-one	110	C7H10O	022748-16-9	68
3	3-Hexyne	82	C6H10	000928-49-4	41
4	Cyclopropane, (1-methylethylidene)-	82	C6H10	004741-86-0	41
5	Isopropenylcyclopropane	82	C6H10	004663-22-3	38





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Quant Title : SVOA CALIBRATION

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

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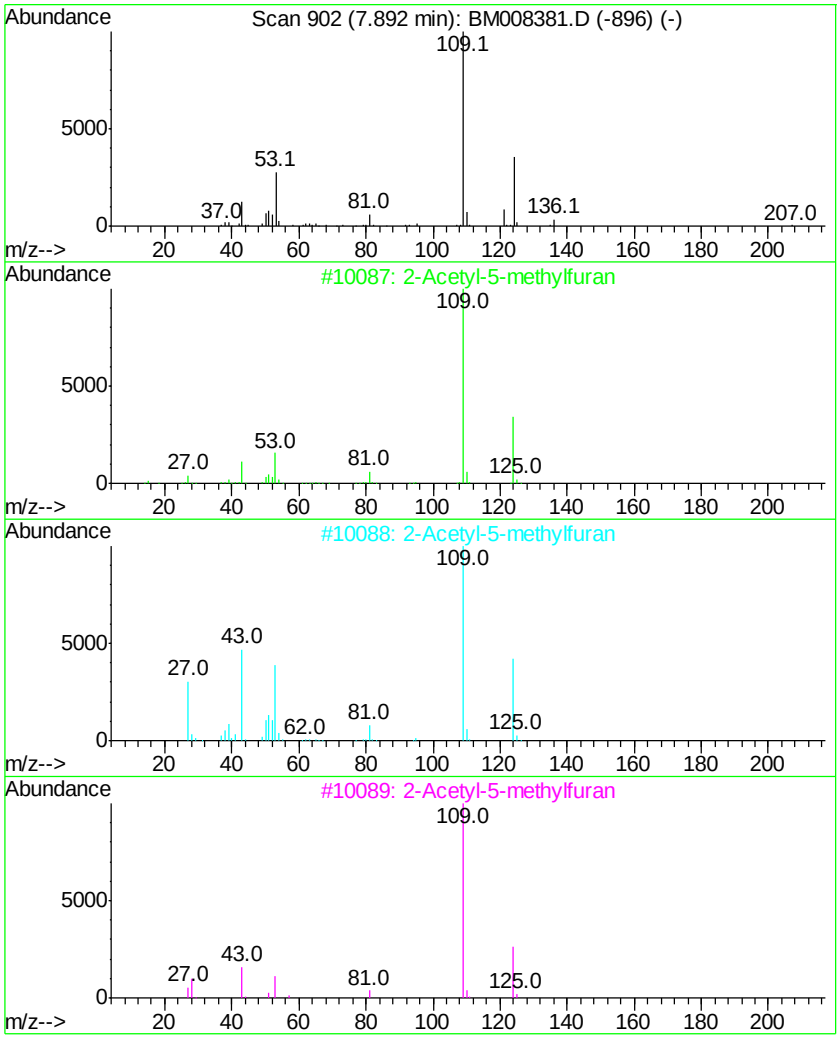
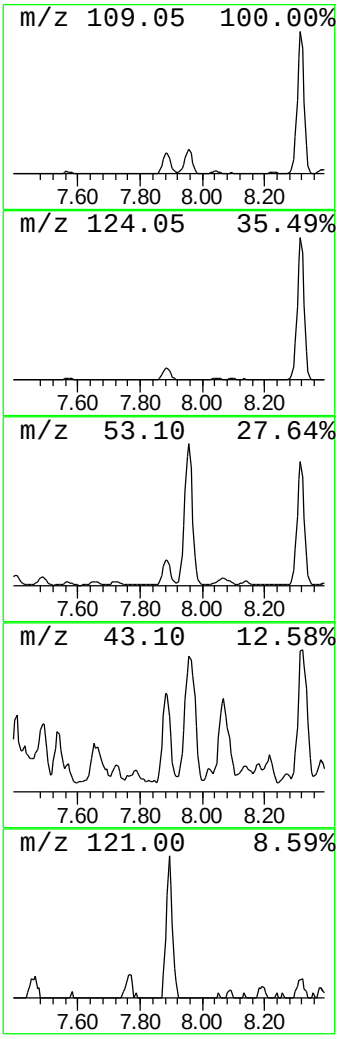
Peak Number 18 2-Acetyl-5-methylfuran Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.89	7.87 ng/ul	522264	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Acetyl-5-methylfuran	124	C7H8O2	001193-79-9	83
2	2-Acetyl-5-methylfuran	124	C7H8O2	001193-79-9	83
3	2-Acetyl-5-methylfuran	124	C7H8O2	001193-79-9	80
4	Ethanone, 1-(2-methyl-1-cyclopen...	124	C8H12O	003168-90-9	80
5	Ethanone, 1-(2-methyl-1-cyclopen...	124	C8H12O	003168-90-9	80





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Operator : UM/SJ
Sample : H6039-11
Misc :
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Instrument : BNA_M
ClientSampleId : DA8S7

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Quant Title : SVOA CALIBRATION

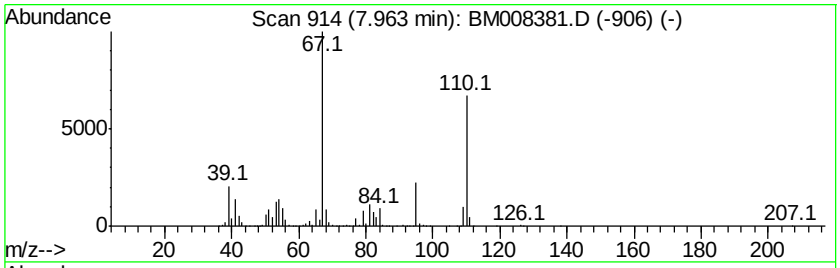
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

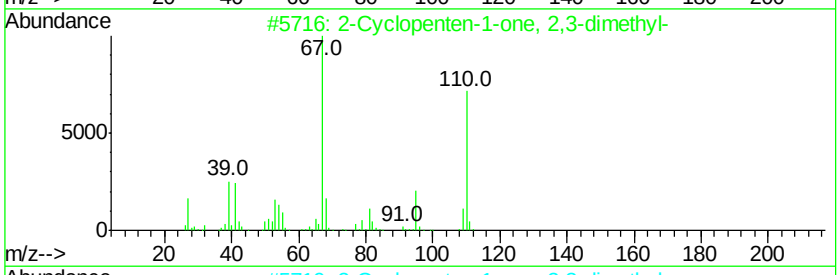
****

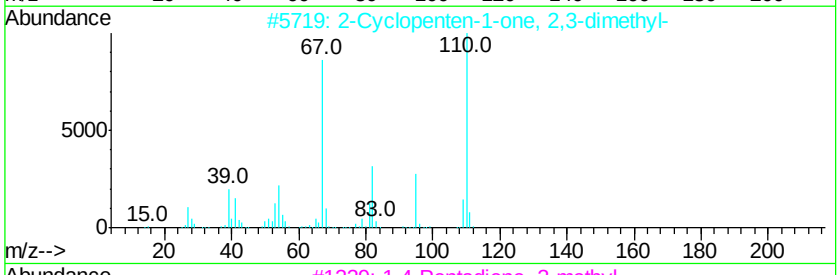
Peak Number 19 2-Cyclopenten-1-one, 2,3-di... Concentration Rank 2

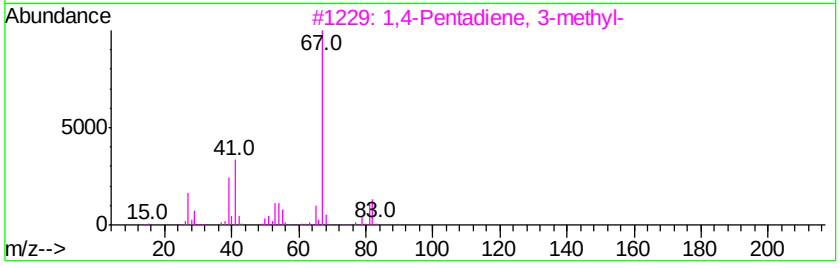
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.96	168.79 ng/ul	11197100	1,4-Dichlorobenzene-d4	7.66

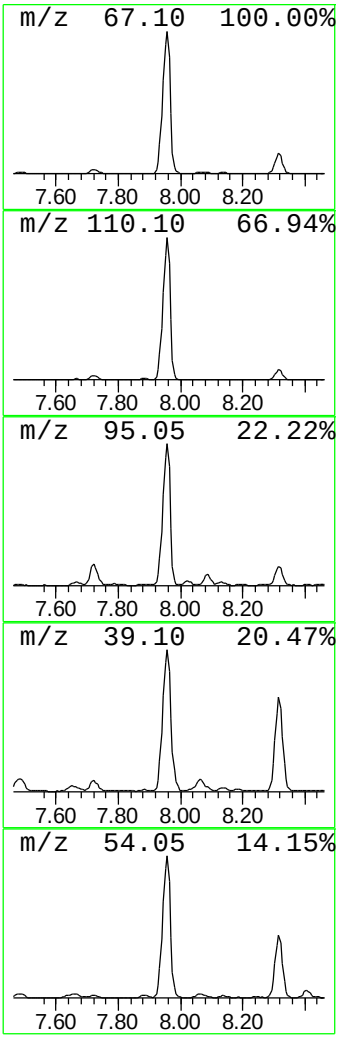
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclopenten-1-one, 2,3-dimethyl-	110	C7H10O	001121-05-7	94
2	2-Cyclopenten-1-one, 2,3-dimethyl-	110	C7H10O	001121-05-7	68
3	1,4-Pentadiene, 3-methyl-	82	C6H10	001115-08-8	55
4	4-Methyl-1,3-pentadiene	82	C6H10	000926-56-7	55
5	1,4-Pentadiene, 3-methyl-	82	C6H10	001115-08-8	53











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Sample : H6039-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8S7

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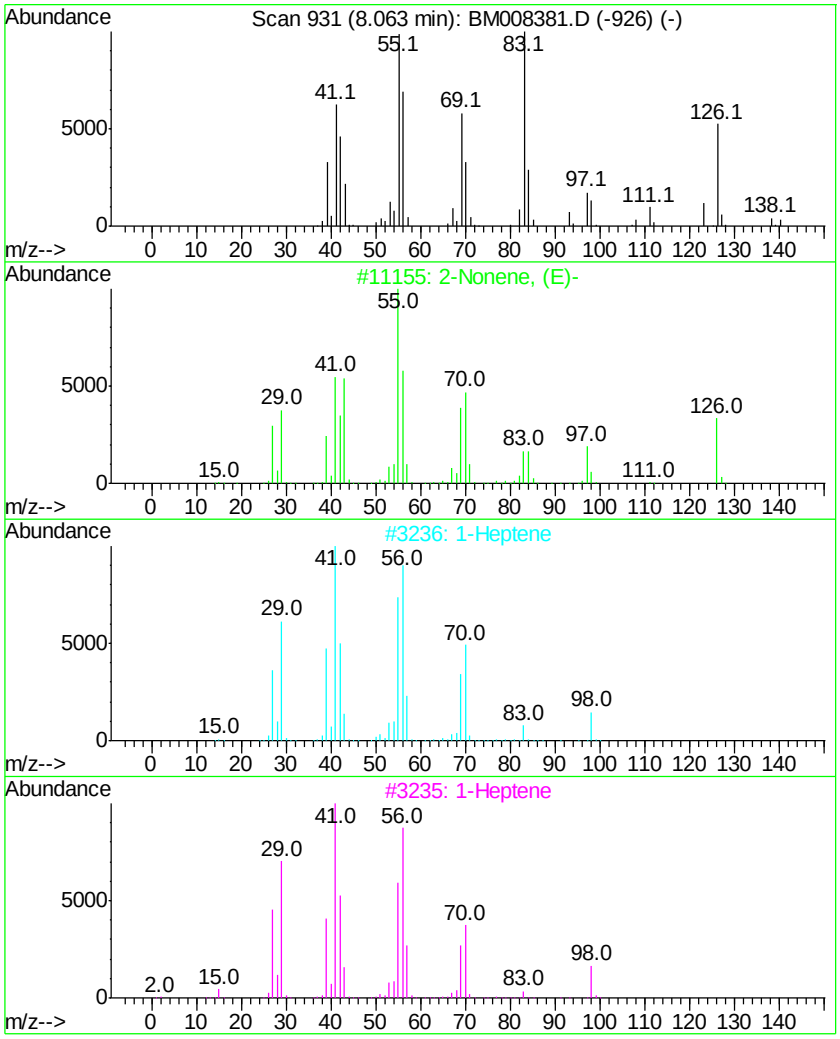
Quant Title : SVOA CALIBRATION

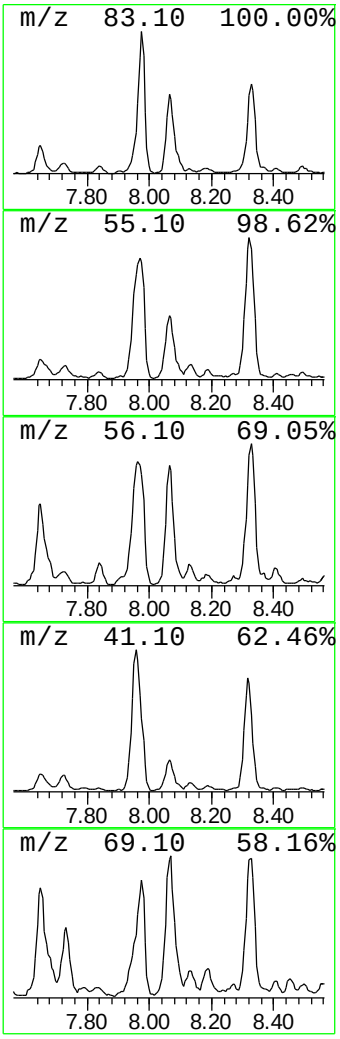
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Cyclic8.06 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.06	17.94 ng/ul	1190230	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Nonene, (E)-	126	C9H18	006434-78-2	49
2	1-Heptene	98	C7H14	000592-76-7	42
3	1-Heptene	98	C7H14	000592-76-7	38
4	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	35
5	Cyclooctane, 1,5-dimethyl-	140	C10H20	021328-57-4	30





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Sample : H6039-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8S7

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Quant Title : SVOA CALIBRATION

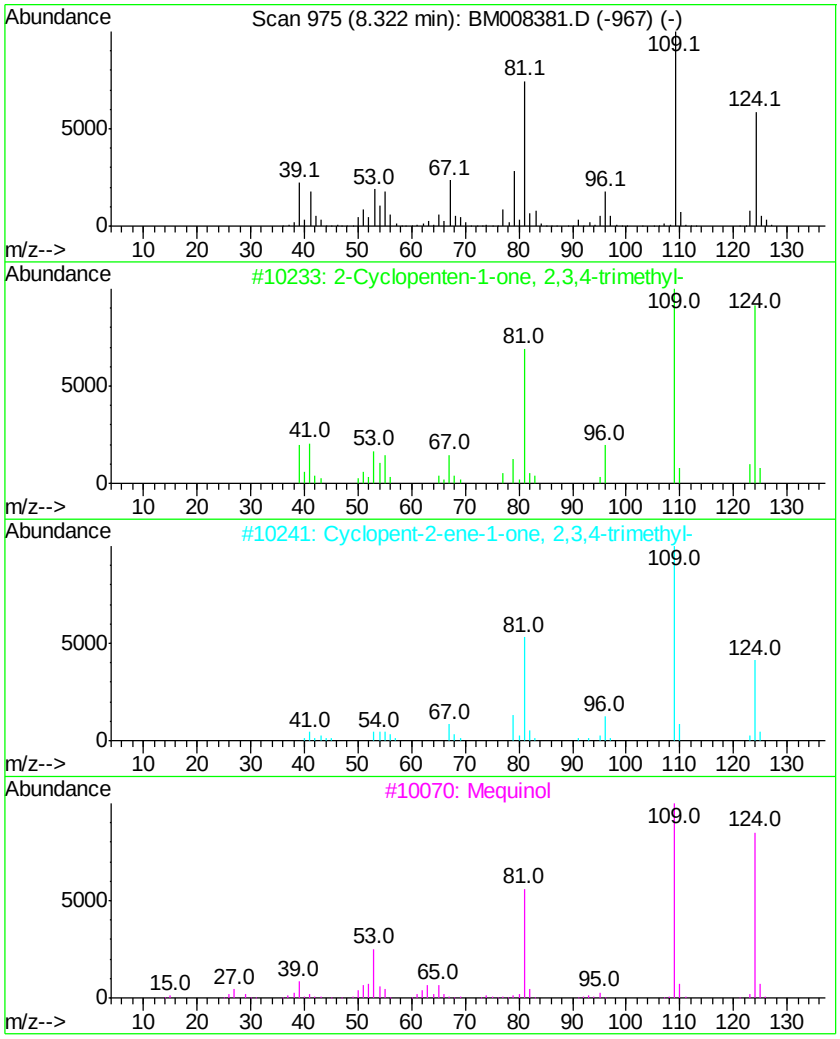
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

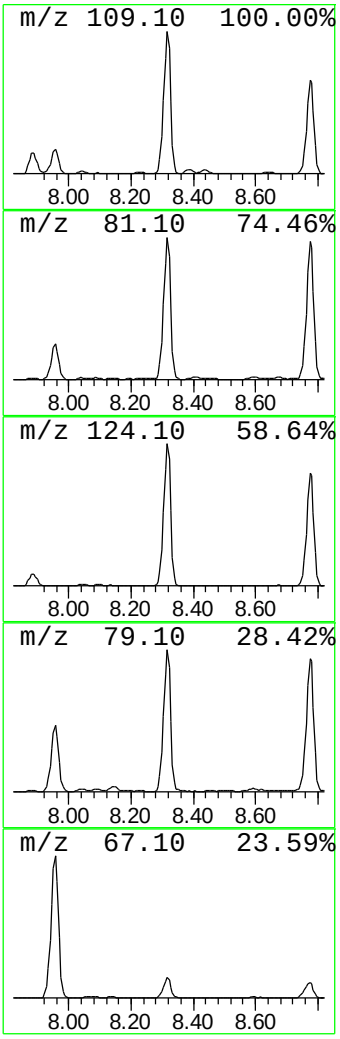
****

Peak Number 21 2-Cyclopenten-1-one, 2,3,4-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.32	122.56 ng/ul	8130360	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclopenten-1-one, 2,3,4-trime...	124	C8H12O	028790-86-5	93
2	Cyclopent-2-ene-1-one, 2,3,4-tri...	124	C8H12O	083321-16-8	90
3	Mequinol	124	C7H8O2	000150-76-5	81
4	Phenol, 2-methoxy-	124	C7H8O2	000090-05-1	81
5	Phenol, 2-methoxy-	124	C7H8O2	000090-05-1	76





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Instrument : BNA_M
ClientSampleId : DA8S7

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Quant Title : SVOA CALIBRATION

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

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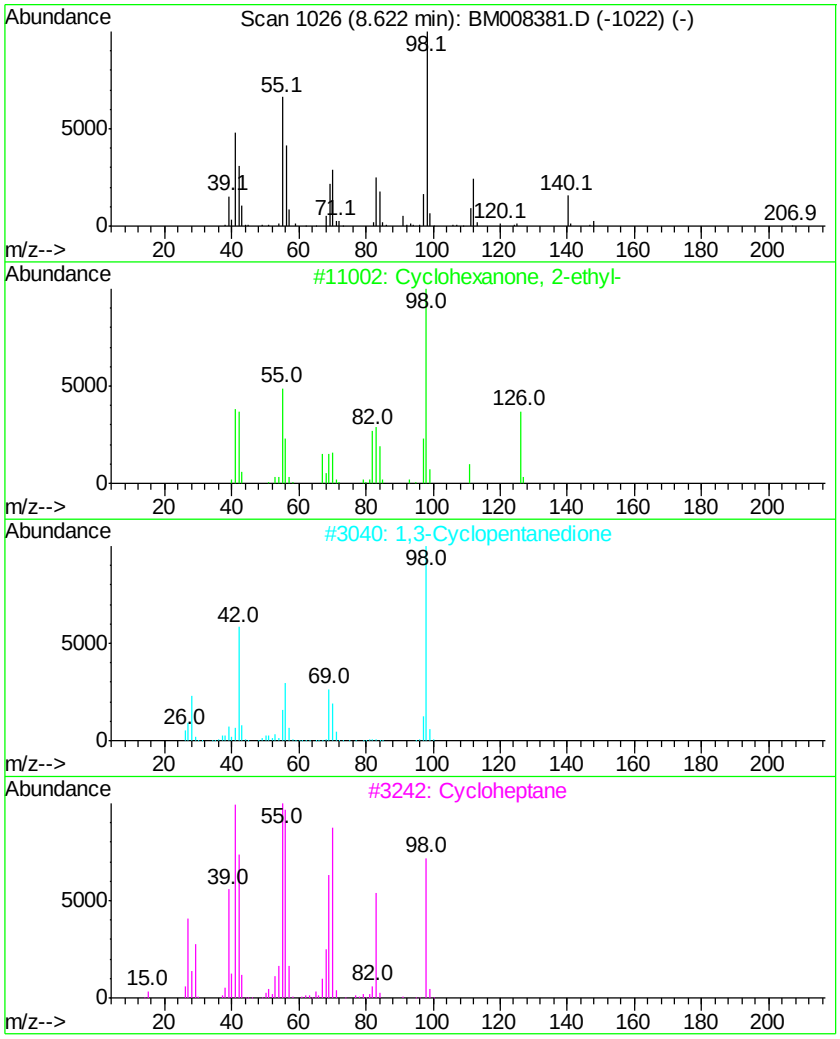
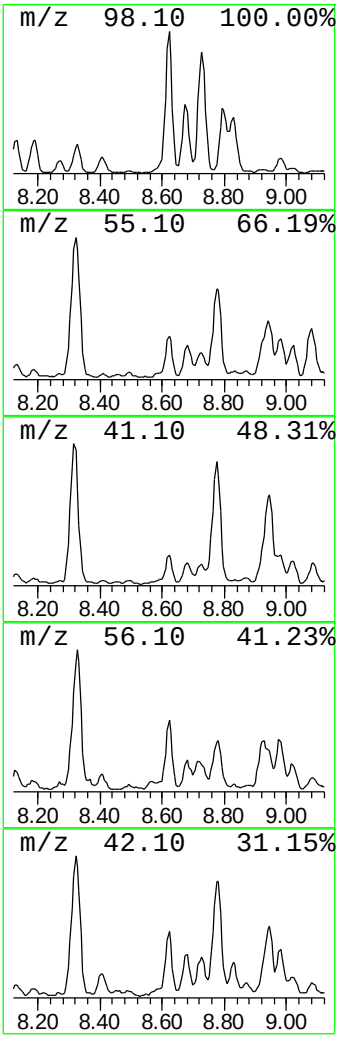
Peak Number 22 Cyclohexanone, 2-ethyl- Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.62	7.62 ng/ul	505265	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 2-ethyl-	126	C8H14O	004423-94-3	59
2	1,3-Cyclopentanedione	98	C5H6O2	003859-41-4	58
3	Cycloheptane	98	C7H14	000291-64-5	47
4	5-Decene	140	C10H20	019689-19-1	46
5	1H-1,2,4-Triazol-5-amine, 1-methyl-	98	C3H6N4	015795-39-8	46





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : DA8S7

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Quant Title : SVOA CALIBRATION

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

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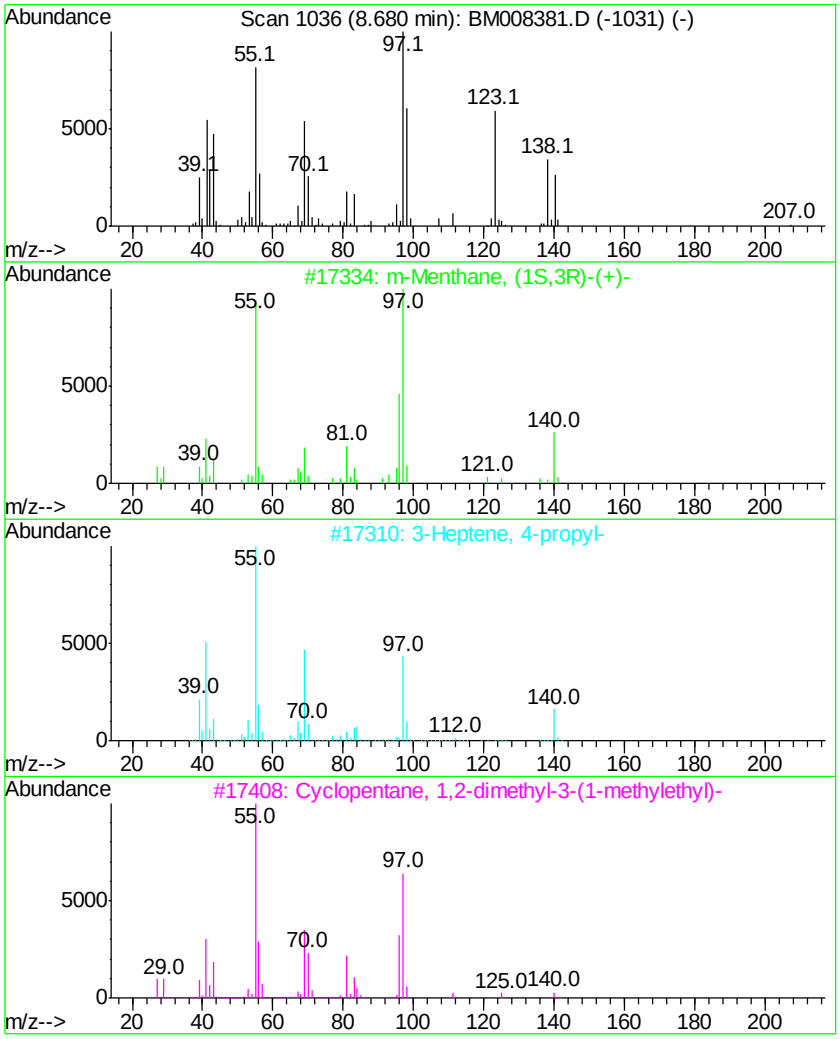
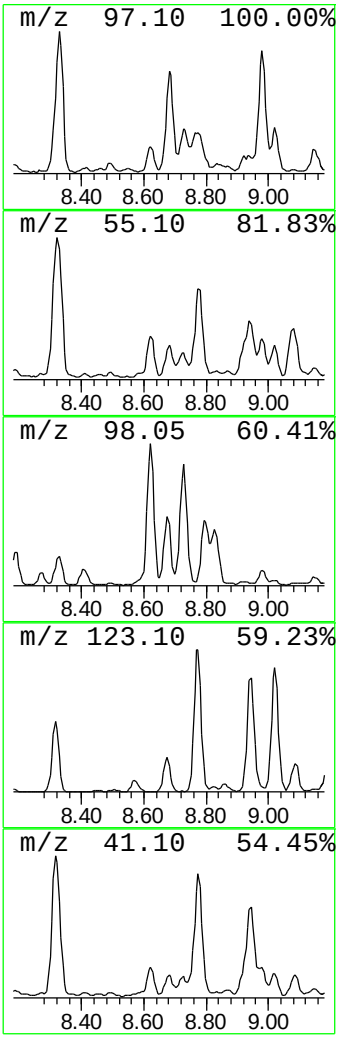
Peak Number 23 (DEL) Alkane: Cyclic8.68 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.68	7.64 ng/ul	507003	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	38
2	3-Heptene, 4-propyl-	140	C10H20	004485-13-6	38
3	Cyclopentane, 1,2-dimethyl-3-(1-...	140	C10H20	000489-20-3	38
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	35
5	3-Acetyl-2,5-dimethyl furan	138	C8H10O2	010599-70-9	25





Library Search Compound Report

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Operator : UM/SJ
Sample : H6039-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8S7

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Quant Title : SVOA CALIBRATION

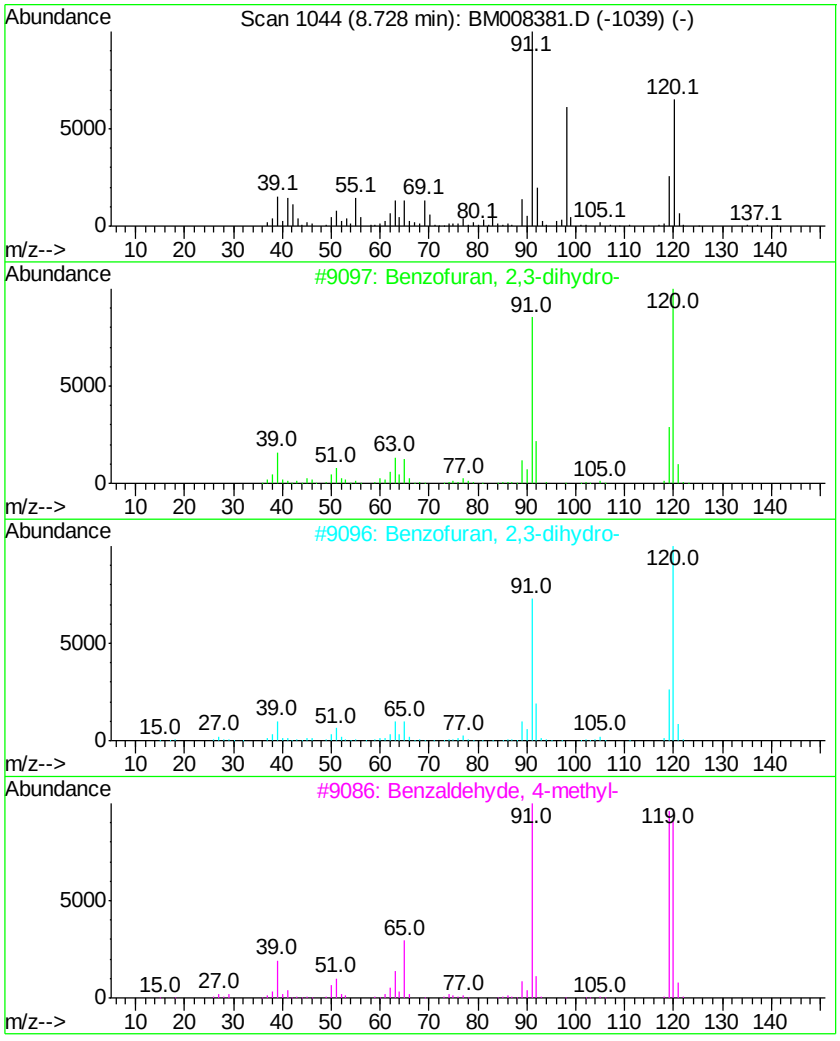
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

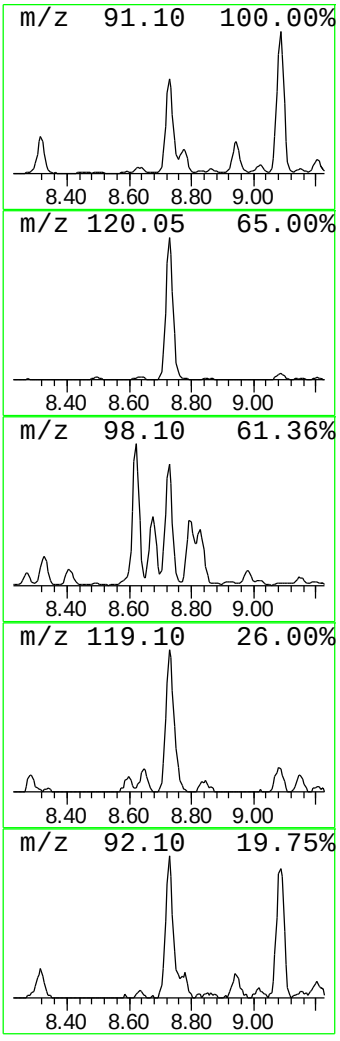
****

Peak Number 24 Benzofuran, 2,3-dihydro- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.73	10.09 ng/ul	669547	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2,3-dihydro-	120	C8H8O	000496-16-2	92
2	Benzofuran, 2,3-dihydro-	120	C8H8O	000496-16-2	60
3	Benzaldehyde, 4-methyl-	120	C8H8O	000104-87-0	46
4	Benzaldehyde, 2-methyl-	120	C8H8O	000529-20-4	46
5	Bicyclo[4.2.0]octa-1,3,5-trien-7-ol	120	C8H8O	035447-99-5	45





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8S7

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Quant Title : SVOA CALIBRATION

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

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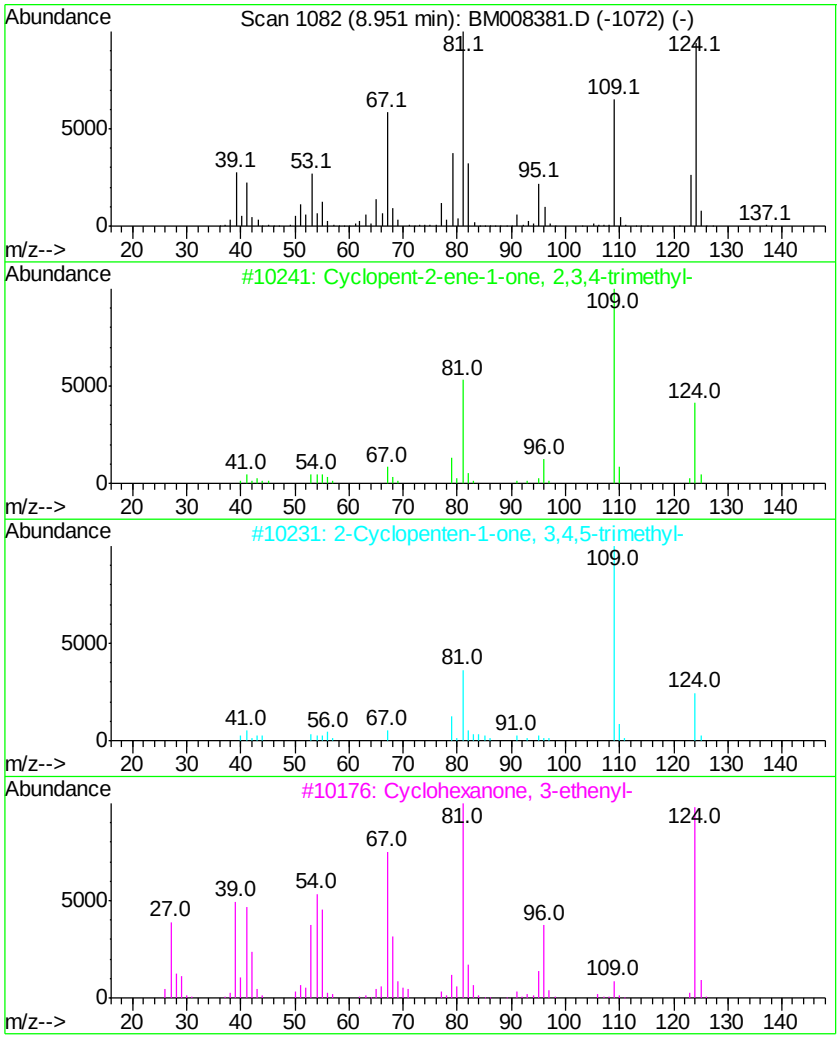
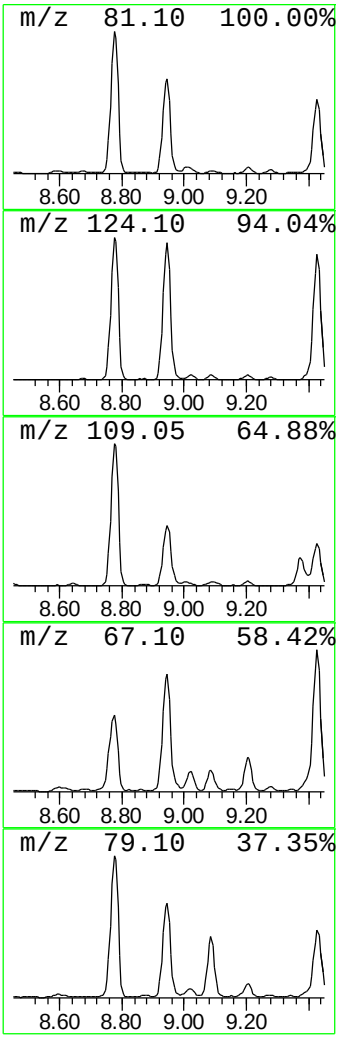
Peak Number 26 Cyclopent-2-ene-1-one, 2,3,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.95	93.16 ng/ul	6179700	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopent-2-ene-1-one, 2,3,4-tri...	124	C8H12O	083321-16-8	64
2	2-Cyclopenten-1-one, 3,4,5-trime...	124	C8H12O	055683-21-1	58
3	Cyclohexanone, 3-ethenyl-	124	C8H12O	001740-63-2	53
4	2-n-Butyl furan	124	C8H12O	004466-24-4	46
5	2-Pentyne, 4,4-dimethyl-	96	C7H12	000999-78-0	42





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Misc :
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Instrument : BNA_M
ClientSampleId : DA8S7

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Quant Title : SVOA CALIBRATION

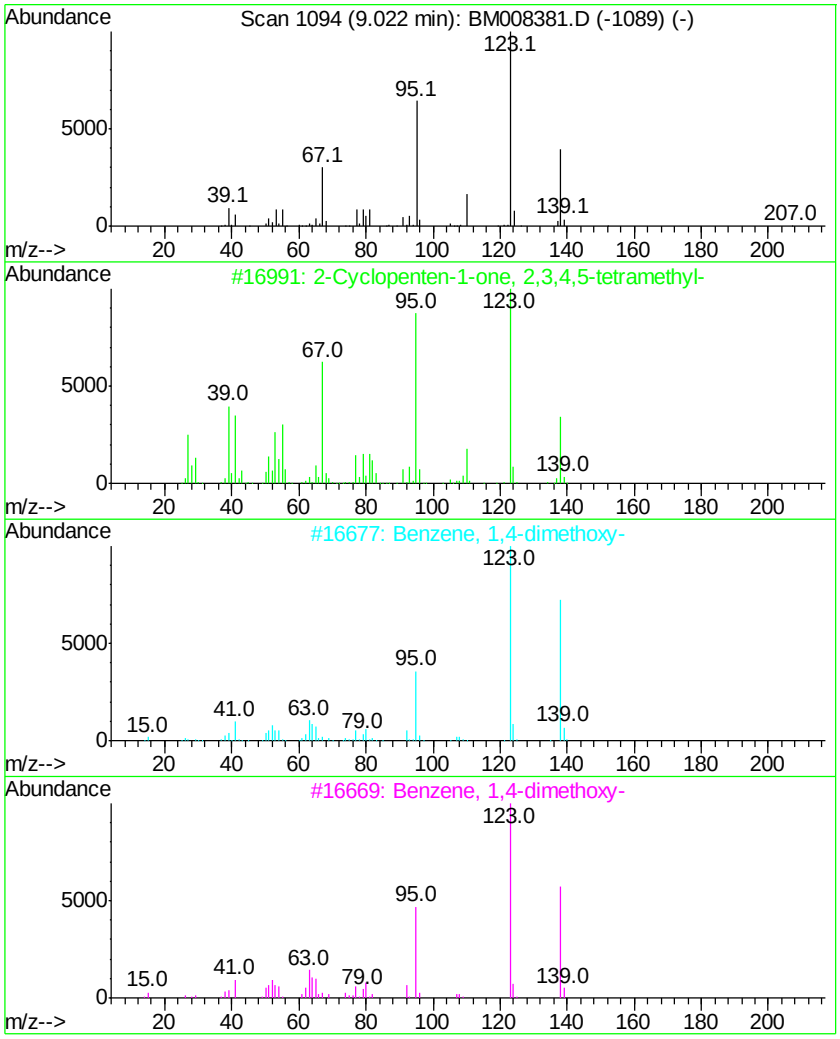
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

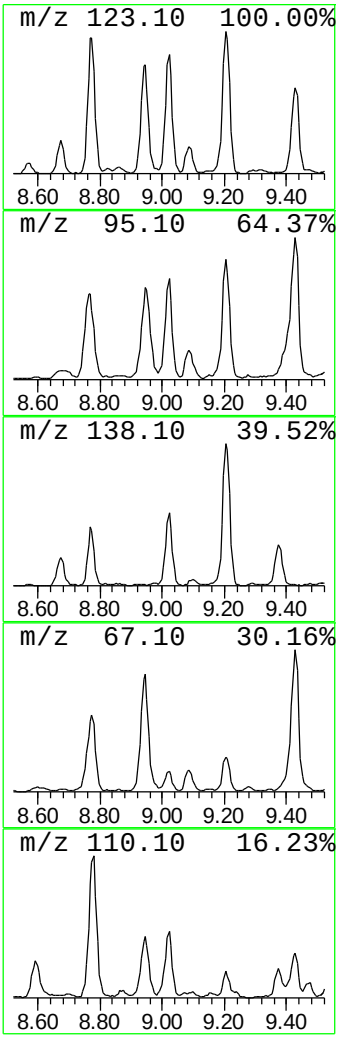
****

Peak Number 27 2-Cyclopenten-1-one, 2,3,4,... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.02	19.37 ng/ul	1285130	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclopenten-1-one, 2,3,4,5-tet...	138	C9H14O	054458-61-6	87
2	Benzene, 1,4-dimethoxy-	138	C8H10O2	000150-78-7	64
3	Benzene, 1,4-dimethoxy-	138	C8H10O2	000150-78-7	64
4	Benzene, 1,4-dimethoxy-	138	C8H10O2	000150-78-7	64
5	1-(2,4-Dimethyl-furan-3-yl)-etha...	138	C8H10O2	032933-07-6	59





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8S7

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Quant Title : SVOA CALIBRATION

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

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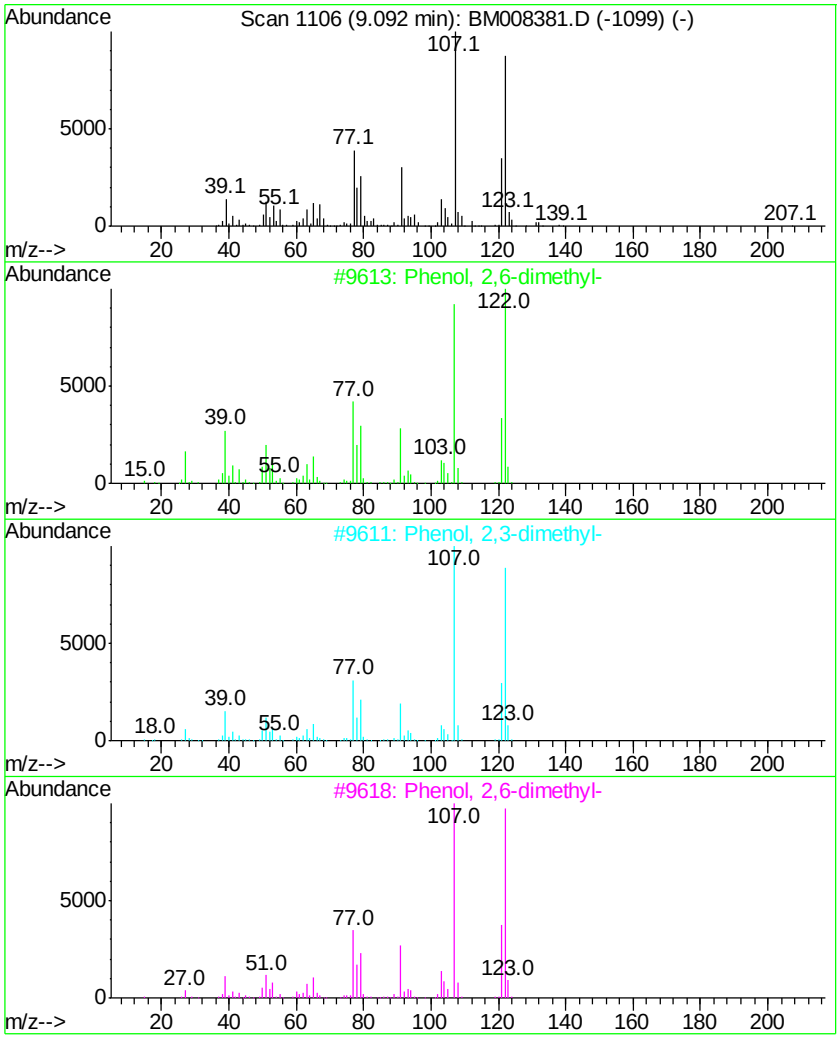
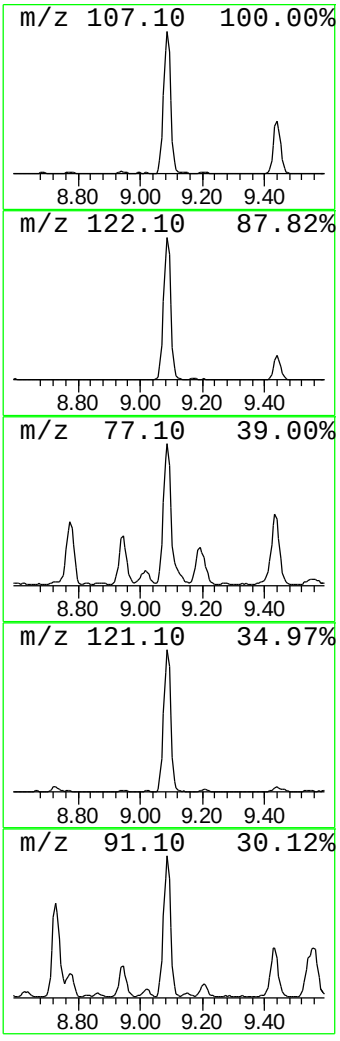
Peak Number 28 Phenol, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	74.43 ng/ul	4545430	Naphthalene-d8	10.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	97
2	Phenol, 2,3-dimethyl-	122	C8H10O	000526-75-0	97
3	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	96
4	Phenol, 2,5-dimethyl-	122	C8H10O	000095-87-4	96
5	Phenol, 2,5-dimethyl-	122	C8H10O	000095-87-4	94





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8S7

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Quant Title : SVOA CALIBRATION

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

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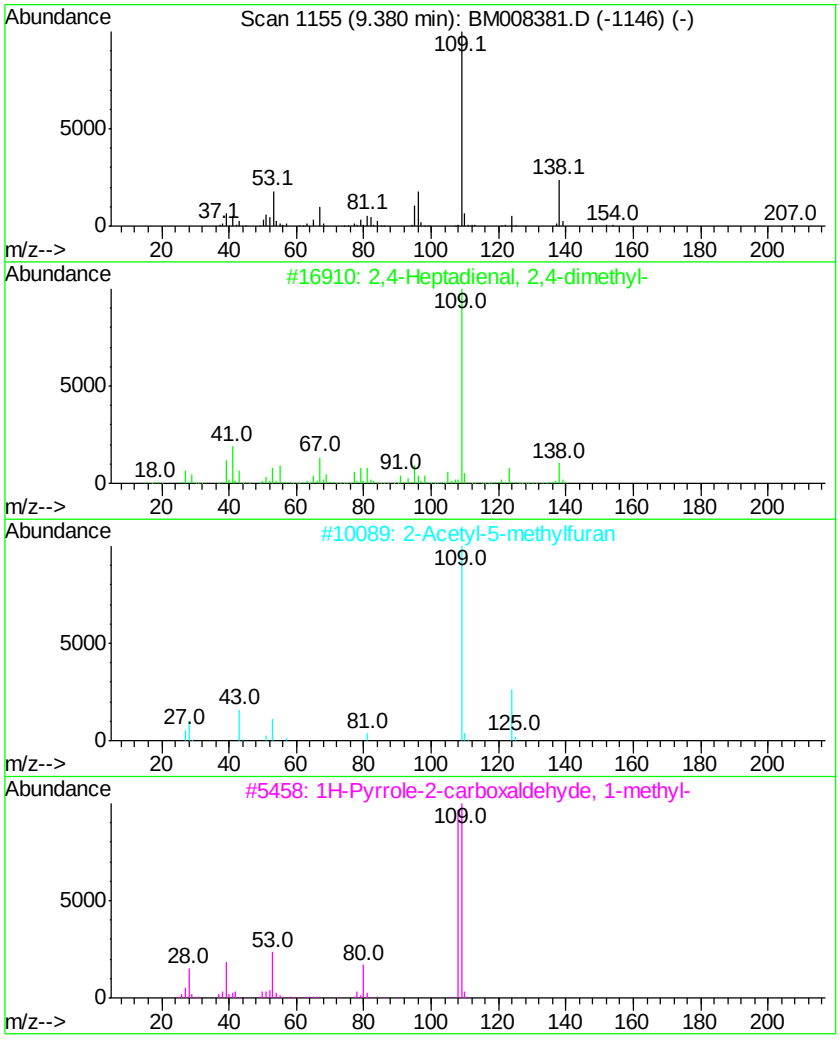
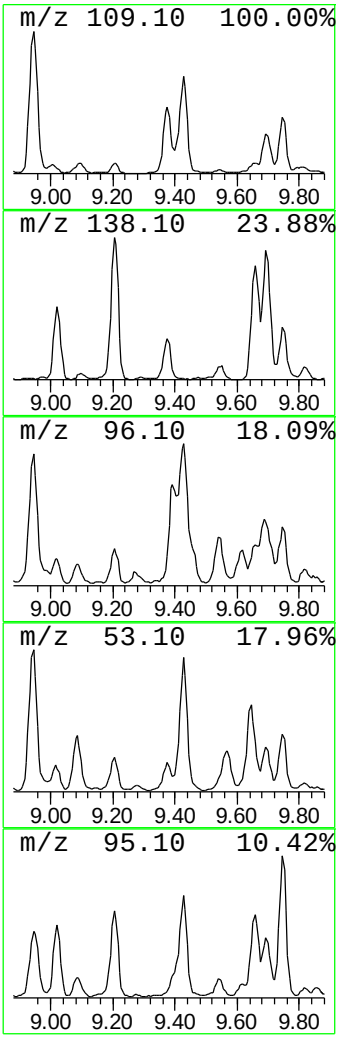
Peak Number 30 2,4-Heptadienal, 2,4-dimethyl- Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.38	7.46 ng/ul	455323	Naphthalene-d8	10.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Heptadienal, 2,4-dimethyl-	138	C9H14O	042452-48-2	50
2	2-Acetyl-5-methylfuran	124	C7H8O2	001193-79-9	50
3	1H-Pyrrole-2-carboxaldehyde, 1-m...	109	C6H7NO	001192-58-1	47
4	5-Methyl-furan-2-carboxylic acid...	192	C8H8N4O2	1000275-85-3	47
5	Phenol, o-amino-	109	C6H7NO	000095-55-6	43





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ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8S7

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Quant Title : SVOA CALIBRATION

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

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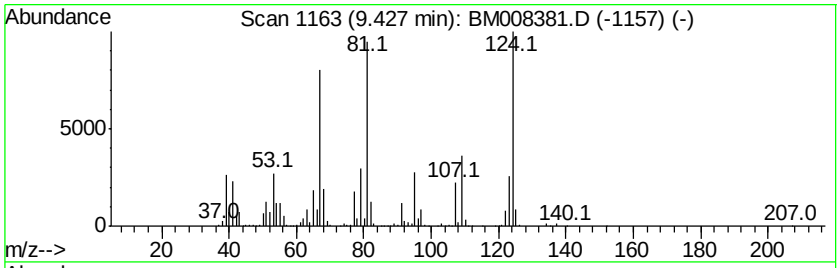
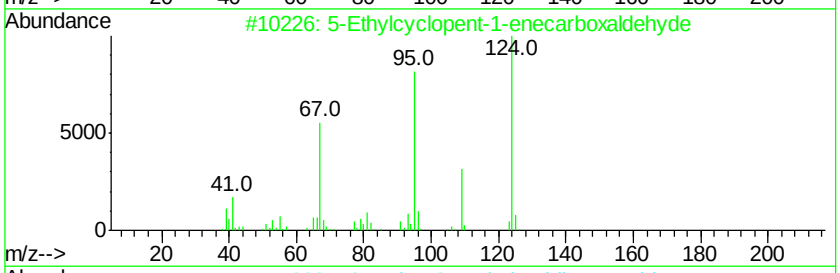
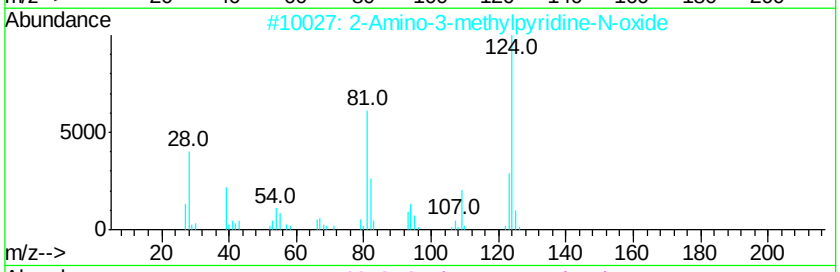
Peak Number 31 unknown-04 Concentration Rank 6

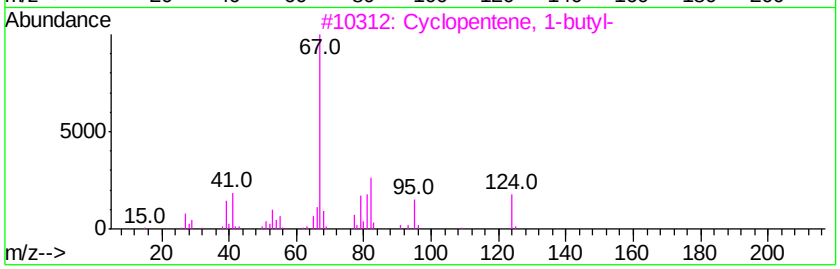
R.T.	EstConc	Area	Relative to ISTD	R.T.
9.43	93.62 ng/ul	5717420	Naphthalene-d8	10.44

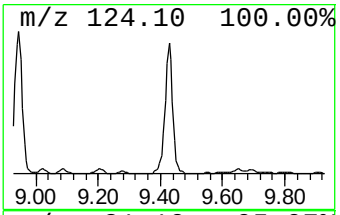
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Ethylcyclopent-1-enecarboxalde...	124	C8H12O	036431-60-4	46
2	2-Amino-3-methylpyridine-N-oxide	124	C6H8N2O	053669-61-7	43
3	Cyclopentene, 1-butyl-	124	C9H16	002423-01-0	43
4	1,4-Heptadiene	96	C7H12	005675-22-9	43
5	Pyrazine, 2-methoxy-3-methyl-	124	C6H8N2O	002847-30-5	38

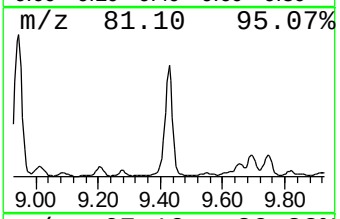


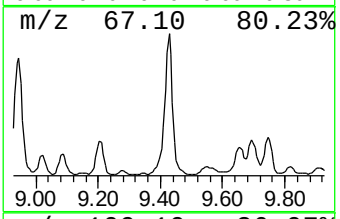


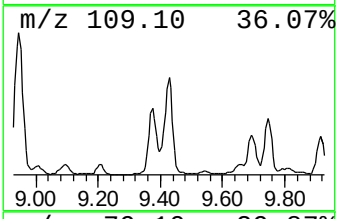


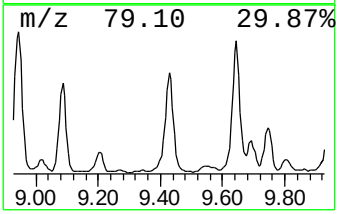












Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121716\
Data File : BM008381.D
Acq On : 16 Dec 2016 19:49
Operator : UM/SJ
Sample : H6039-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DA8S7

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
Cyclopentanone, 2...	4.90	18.1	ng/ul	1199520	1	7.66	1326720	20.0
Cyclopentanone, 2...	5.54	5.5	ng/ul	362497	1	7.66	1326720	20.0
(DEL) Alkane: Cyc...	5.73	9.3	ng/ul	613928	1	7.66	1326720	20.0
unknown-01	5.76	6.5	ng/ul	432871	1	7.66	1326720	20.0
trans-3,4-Dimethy...	5.96	6.1	ng/ul	404908	1	7.66	1326720	20.0
unknown-02	6.32	8.3	ng/ul	549371	1	7.66	1326720	20.0
Cyclopentanone, 2...	6.41	39.0	ng/ul	2584950	1	7.66	1326720	20.0
trans-3-Methylcyc...	6.53	5.7	ng/ul	376686	1	7.66	1326720	20.0
3-Ethylcyclopenta...	6.73	17.1	ng/ul	1132670	1	7.66	1326720	20.0
(DEL) Alkane: Cyc...	7.07	11.0	ng/ul	729878	1	7.66	1326720	20.0
unknown-03	7.31	8.7	ng/ul	577593	1	7.66	1326720	20.0
Cyclopentanone, 2...	7.40	22.4	ng/ul	1488890	1	7.66	1326720	20.0
(DEL) Alkane: Cyc...	7.49	21.8	ng/ul	1442480	1	7.66	1326720	20.0
2-Cyclopenten-1-o...	7.72	9.4	ng/ul	625206	1	7.66	1326720	20.0
2-Acetyl-5-methyl...	7.89	7.9	ng/ul	522264	1	7.66	1326720	20.0
2-Cyclopenten-1-o...	7.96	168.8	ng/ul	11197100	1	7.66	1326720	20.0
(DEL) Alkane: Cyc...	8.06	17.9	ng/ul	1190230	1	7.66	1326720	20.0
2-Cyclopenten-1-o...	8.32	122.6	ng/ul	8130360	1	7.66	1326720	20.0
Cyclohexanone, 2-...	8.62	7.6	ng/ul	505265	1	7.66	1326720	20.0
(DEL) Alkane: Cyc...	8.68	7.6	ng/ul	507003	1	7.66	1326720	20.0
Benzofuran, 2,3-d...	8.73	10.1	ng/ul	669547	1	7.66	1326720	20.0
Cyclopent-2-ene-1...	8.95	93.2	ng/ul	6179700	1	7.66	1326720	20.0
2-Cyclopenten-1-o...	9.02	19.4	ng/ul	1285130	1	7.66	1326720	20.0
Phenol, 2,6-dimet...	9.09	74.4	ng/ul	4545430	2	10.44	1221390	20.0
2,4-Heptadienal, ...	9.38	7.5	ng/ul	455323	2	10.44	1221390	20.0
unknown-04	9.43	93.6	ng/ul	5717420	2	10.44	1221390	20.0