LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
Data File : BG020206.D
Acq On : 16 Dec 2015 1:56
Operator : UM/SJ
Sample : G4786-17
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9C90

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.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	3.122	41	48	57	rBV2	83051	197012	21.07%	1.288%
2	3.199	57	61	68	rVB	41986	62140	6.65%	0.406%
3	3.351	84	87	93	rVB2	10838	15221	1.63%	0.100%
4	3.745	150	154	165	rVB	76368	121863	13.03%	0.797%
5	4.009	192	199	205	rBV2	10291	21133	2.26%	0.138%
6	4.239	233	238	241	rBV	14721	22418	2.40%	0.147%
7	4.280	241	245	252	rVB	16823	25774	2.76%	0.169%
8	4.421	261	269	273	rBV4	12634	23062	2.47%	0.151%
9	4.556	283	292	299	rVV9	11297	28944	3.10%	0.189%
10	4.715	312	319	322	rBV3	14043	26220	2.80%	0.171%
11	5.214	400	404	408	rVV	17686	27241	2.91%	0.178%
12	5.261	408	412	421	rVB5	11136	21905	2.34%	0.143%
13	5.373	427	431	436	rVB3	8750	14626	1.56%	0.096%
14	5.584	463	467	471	rVB	15729	21671	2.32%	0.142%
15	5.737	481	493	498	rBV	33287	70722	7.56%	0.462%
16	5.784	498	501	508	rVB2	12979	19808	2.12%	0.130%
17	5.966	524	532	539	rBV4	12891	25264	2.70%	0.165%
18	6.089	548	553	555	rBV	18829	28385	3.04%	0.186%
19	6.125	555	559	564	rVB	51299	83535	8.93%	0.546%
20	6.354	593	598	604	rBV6	6946	16073	1.72%	0.105%
21	6.571	628	635	651	rBV	79414	144386	15.44%	0.944%
22	6.718	651	660	668	rVB10	9071	21842	2.34%	0.143%
23	6.906	684	692	698	rBV8	6029	13993	1.50%	0.091%
24	6.994	703	707	714	rVB5	10725	21248	2.27%	0.139%
25	7.071	714	720	731	rBV2	27801	51951	5.56%	0.340%
26	7.241	741	749	756	rVV4	49557	102723	10.99%	0.672%
27	7.417	772	779	785	rBV	78480	125063	13.37%	0.818%
28	7.476	785	789	794	rVB	26623	42962	4.59%	0.281%
29	7.623	808	814	823	rVV	87145	152213	16.28%	0.995%
30	7.993	873	877	882	rVV	26215	41842	4.47%	0.274%
31	8.099	889	895	900	rVV	81449	140452	15.02%	0.918%
32	8.158	900	905	909	rVV6	10659	22682	2.43%	0.148%
33	8.210	909	914	922	rVB2	16486	30587	3.27%	0.200%
34	8.404	944	947	952	rVB2	14896	21268	2.27%	0.139%

LSC Area Percent Report

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Data File : BG020206.D
Acq On : 16 Dec 2015 1:56
Operator : UM/SJ
Sample : G4786-17
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9C90

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Title : SVOA CALIBRATION

35	8.475	952	959	966	rBV	204746	344600	36.85%	2.253%
36	8.586	973	978	982	rBV	36021	55384	5.92%	0.362%
37	8.639	982	987	994	rVB	42652	73409	7.85%	0.480%
38	8.739	999	1004	1008	rBV3	30553	53867	5.76%	0.352%
39	8.798	1008	1014	1022	rVB3	104472	189153	20.23%	1.237%
40	8.939	1033	1038	1043	rBV3	17560	29418	3.15%	0.192%
41	9.045	1050	1056	1062	rBV2	10046	18939	2.03%	0.124%
42	9.203	1076	1083	1088	rBV2	122381	216588	23.16%	1.416%
43	9.268	1088	1094	1095	rBV	111259	161623	17.28%	1.057%
44	9.344	1105	1107	1116	rVB9	9653	19524	2.09%	0.128%
45	9.444	1116	1124	1131	rBV7	12745	32975	3.53%	0.216%
46	9.527	1131	1138	1148	rVV2	40085	86950	9.30%	0.569%
47	9.732	1167	1173	1178	rVB	58097	93433	9.99%	0.611%
48	9.908	1194	1203	1209	rVB9	9227	23766	2.54%	0.155%
49	9.991	1209	1217	1223	rBV	106116	195599	20.92%	1.279%
50	10.073	1224	1231	1241	rBV	187885	339766	36.34%	2.222%
51	10.155	1241	1245	1256	rVB	37281	80883	8.65%	0.529%
52	10.308	1260	1271	1281	rBV2	302153	638235	68.26%	4.173%
53	10.414	1281	1289	1294	rBV5	31093	75425	8.07%	0.493%
54	10.537	1303	1310	1317	rVB3	200250	426769	45.64%	2.790%
55	10.608	1317	1322	1327	rBV3	17018	37132	3.97%	0.243%
56	10.749	1339	1346	1348	rBV4	19032	36240	3.88%	0.237%
57	10.919	1367	1375	1378	rBV2	118590	254224	27.19%	1.662%
58	10.966	1378	1383	1389	rVB	517152	935070	100.00%	6.114%
59	11.025	1389	1393	1395	rBV	24363	35261	3.77%	0.231%
60	11.272	1430	1435	1440	rBV3	25865	46977	5.02%	0.307%
61	11.354	1442	1449	1457	rVB7	25458	60003	6.42%	0.392%
62	11.571	1483	1486	1491	rVB4	21581	34773	3.72%	0.227%
63	11.642	1491	1498	1506	rBV2	48991	94791	10.14%	0.620%
64	11.818	1525	1528	1537	rVB5	21241	42257	4.52%	0.276%
65	11.900	1538	1542	1549	rBV8	20882	46105	4.93%	0.301%
66	12.012	1558	1561	1569	rVB5	25884	40928	4.38%	0.268%
67	12.176	1585	1589	1594	rBV7	10140	19077	2.04%	0.125%
68	12.247	1594	1601	1603	rBV7	16508	35184	3.76%	0.230%
69	12.458	1631	1637	1645	rVB6	40979	86075	9.21%	0.563%
70	12.564	1645	1655	1662	rBV	271386	514978	55.07%	3.367%
71	12.782	1684	1692	1697	rBV	330849	560060	59.89%	3.662%

LSC Area Percent Report

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Operator : UM/SJ
Sample : G4786-17
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9C90

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
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Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Title : SVOA CALIBRATION

72	12.829	1697	1700	1703	rBV	22763	32441	3.47%	0.212%
73	12.940	1714	1719	1730	rBV5	56818	165706	17.72%	1.083%
74	13.069	1738	1741	1746	rVB3	33155	50710	5.42%	0.332%
75	13.134	1747	1752	1757	rVV2	40690	77478	8.29%	0.507%
76	13.187	1758	1761	1765	rVV5	23641	42298	4.52%	0.277%
77	13.240	1766	1770	1780	rVB7	40594	99701	10.66%	0.652%
78	13.404	1794	1798	1801	rBV4	18422	33072	3.54%	0.216%
79	13.539	1816	1821	1826	rBV4	51610	101275	10.83%	0.662%
80	13.681	1841	1845	1852	rVB4	41983	84900	9.08%	0.555%
81	13.757	1854	1858	1862	rVV2	32188	48063	5.14%	0.314%
82	13.963	1890	1893	1897	rVB4	33722	41009	4.39%	0.268%
83	14.045	1903	1907	1912	rBV2	51834	91143	9.75%	0.596%
84	14.127	1917	1921	1930	rVB	305535	478909	51.22%	3.131%
85	14.215	1931	1936	1943	rBV	70161	126321	13.51%	0.826%
86	14.421	1966	1971	1984	rVB	339576	586946	62.77%	3.838%
87	14.726	2016	2023	2029	rBV2	224173	402732	43.07%	2.633%
88	14.791	2030	2034	2040	rVB	73415	113917	12.18%	0.745%
89	14.914	2051	2055	2061	rVB5	51146	97476	10.42%	0.637%
90	15.196	2099	2103	2108	rBV	66471	102353	10.95%	0.669%
91	15.719	2186	2192	2196	rBV	405152	605029	64.70%	3.956%
92	15.766	2197	2200	2204	rVB2	50552	71047	7.60%	0.465%
93	15.825	2205	2210	2216	rVB	161100	243462	26.04%	1.592%
94	16.712	2357	2361	2369	rVB2	45120	82115	8.78%	0.537%
95	17.470	2485	2490	2495	rBV2	277734	420659	44.99%	2.750%
96	17.570	2501	2507	2516	rBV	467019	706925	75.60%	4.622%
97	19.850	2889	2895	2903	rBV	535724	777844	83.19%	5.086%
98	21.742	3211	3217	3226	rVB	304919	506559	54.17%	3.312%
99	24.785	3725	3735	3746	rVB	280573	775545	82.94%	5.071%
100	25.008	3765	3773	3787	rVB2	170990	486718	52.05%	3.182%

Sum of corrected areas: 15294023

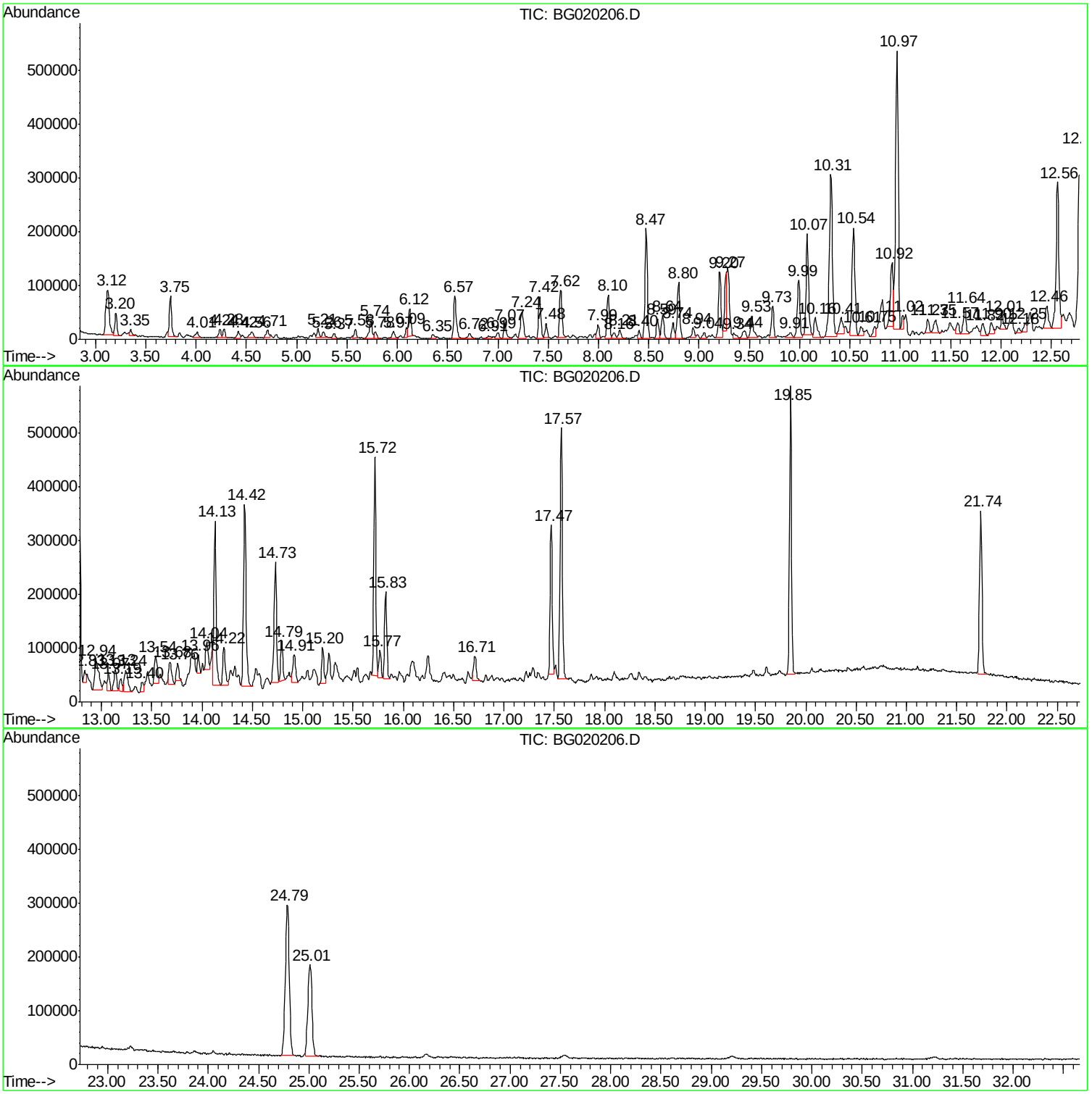
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
Data File : BG020206.D
Acq On : 16 Dec 2015 1:56
Operator : UM/SJ
Sample : G4786-17
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9C90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.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 G\DATA\BG121615\
Data File : BG020206.D
Acq On : 16 Dec 2015 1:56
Operator : UM/SJ
Sample : G4786-17
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Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

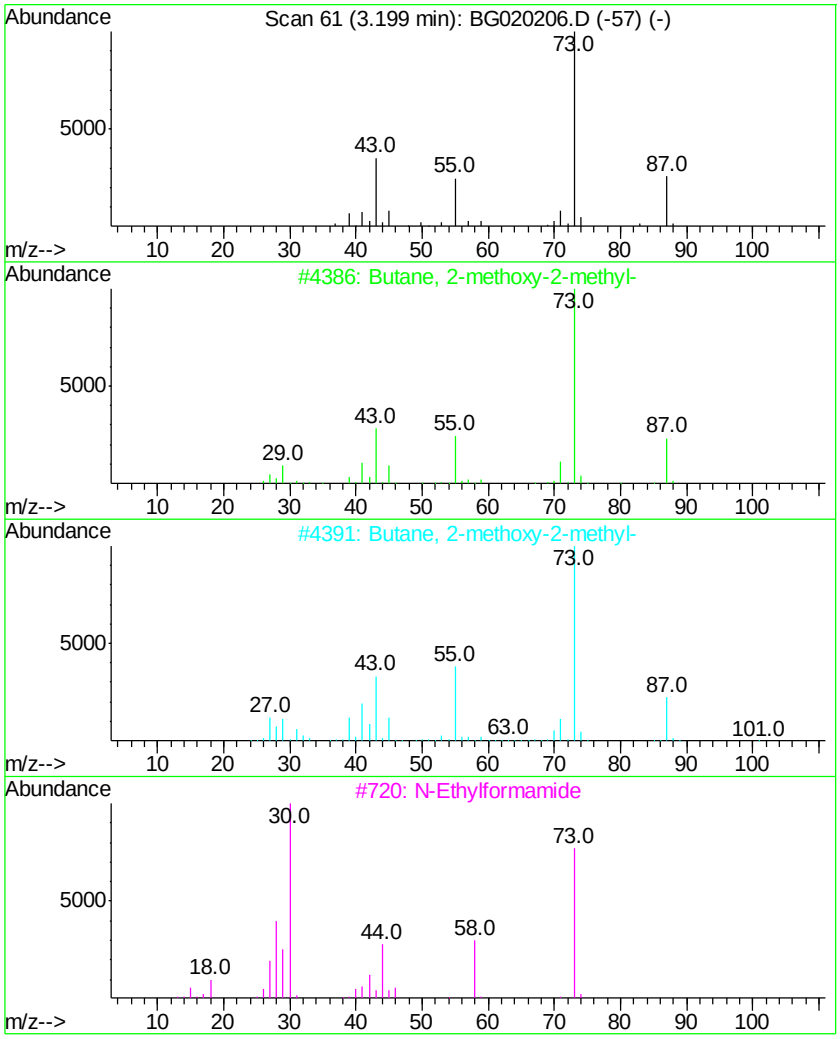
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

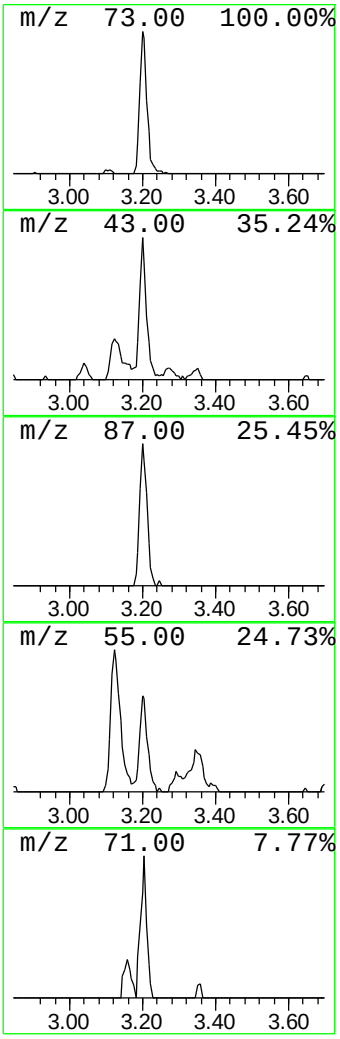
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	8.85 ng/ul	62140	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	59
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	40
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
Data File : BG020206.D
Acq On : 16 Dec 2015 1:56
Operator : UM/SJ
Sample : G4786-17
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9C90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

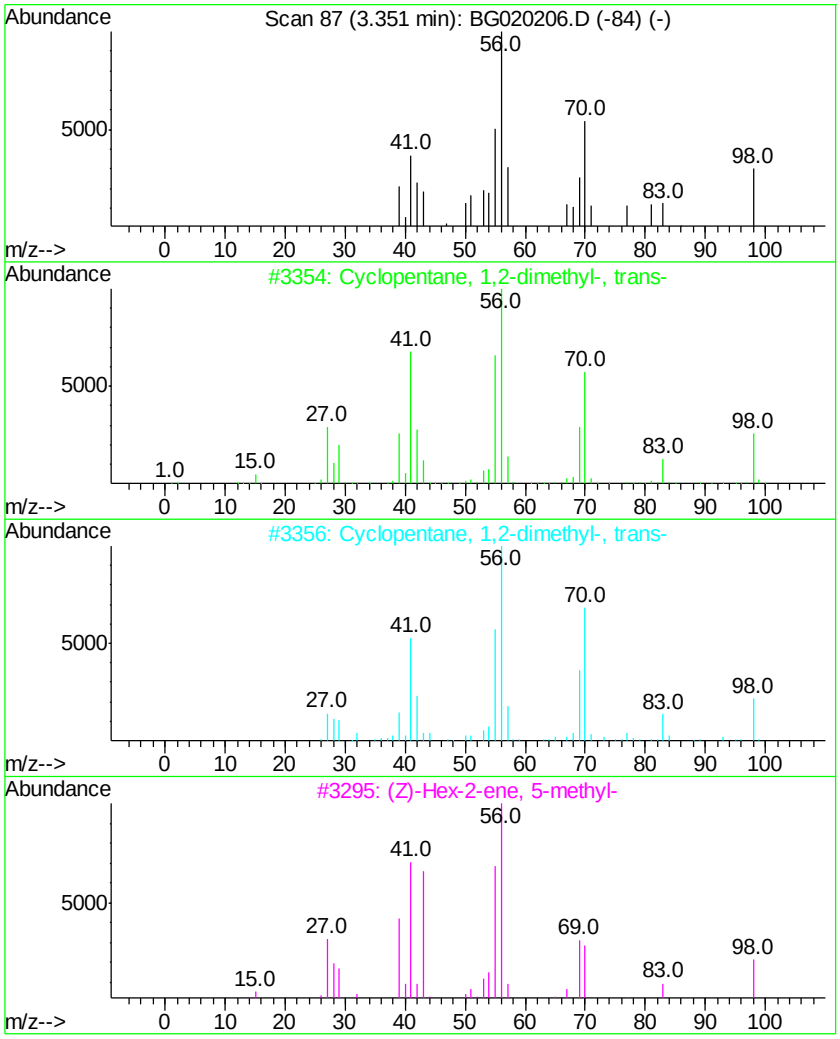
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

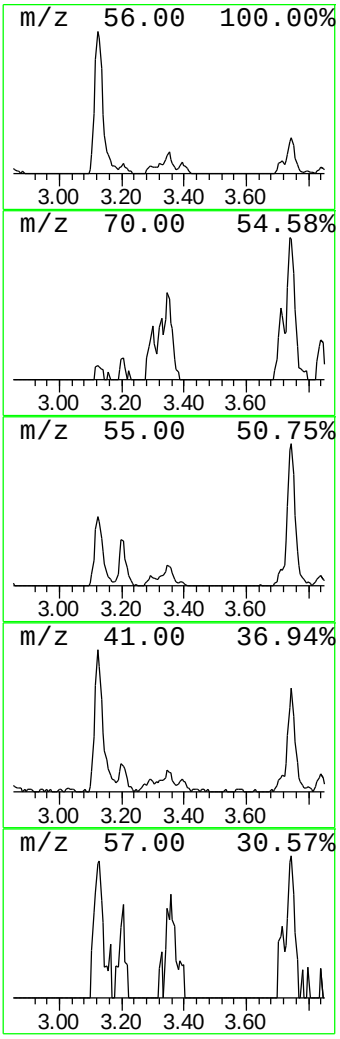
****

Peak Number 3 (DEL) Alkane: Cyclic3.35 Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.35	2.17 ng/ul	15221	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	58
2	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	53
3	(Z)-Hex-2-ene, 5-methyl-	98	C7H14	013151-17-2	50
4	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	45
5	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	45





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
Data File : BG020206.D
Acq On : 16 Dec 2015 1:56
Operator : UM/SJ
Sample : G4786-17
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9C90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

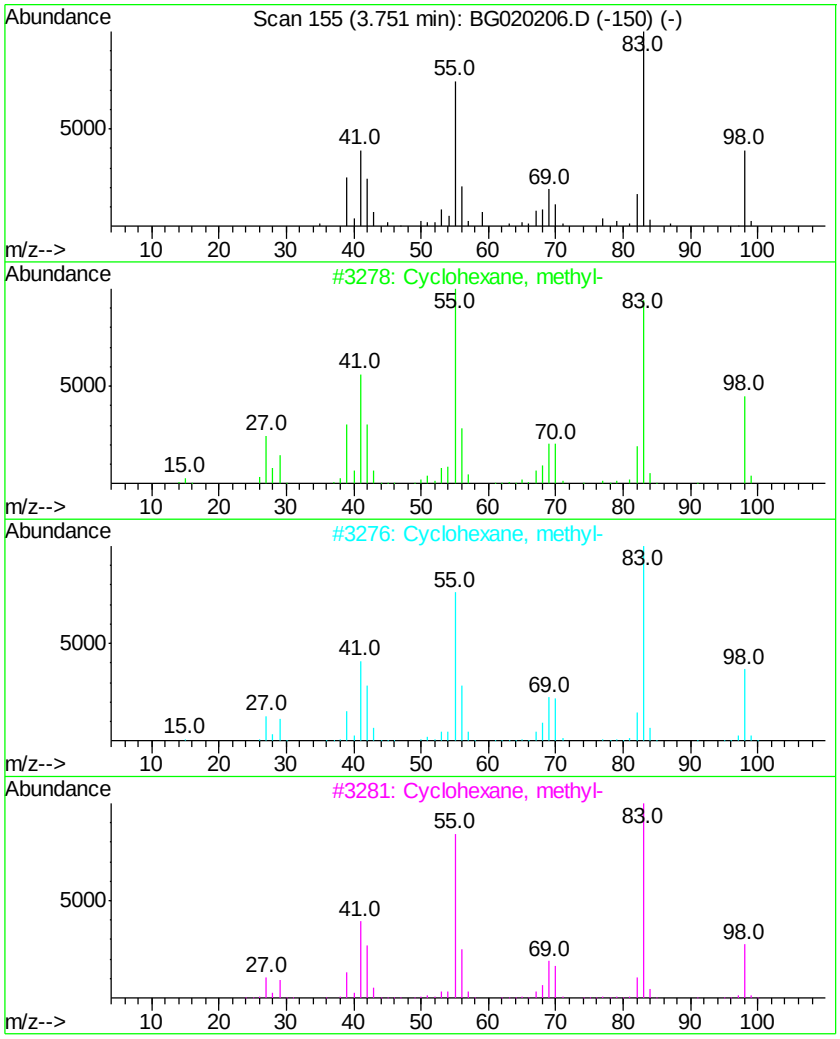
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

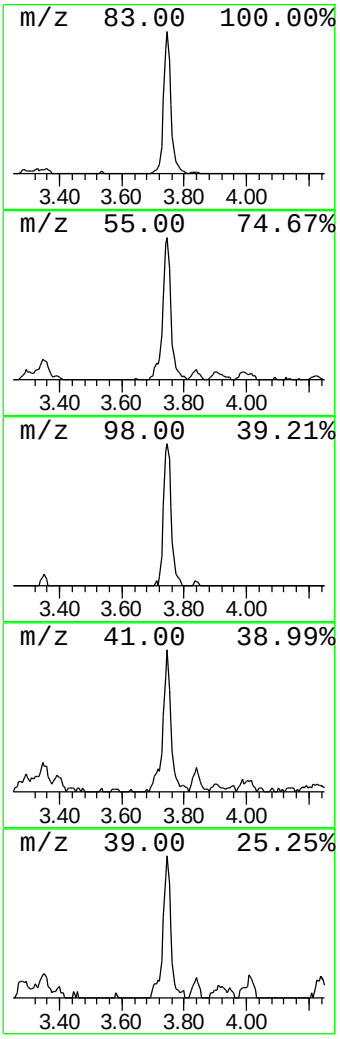
****

Peak Number 4 (DEL) Alkane: Cyclic3.75 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.75	17.35 ng/ul	121863	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	94
2	Cyclohexane, methyl-	98	C7H14	000108-87-2	90
3	Cyclohexane, methyl-	98	C7H14	000108-87-2	86
4	Cyclohexane, methyl-	98	C7H14	000108-87-2	72
5	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	70





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
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Acq On : 16 Dec 2015 1:56
Operator : UM/SJ
Sample : G4786-17
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9C90

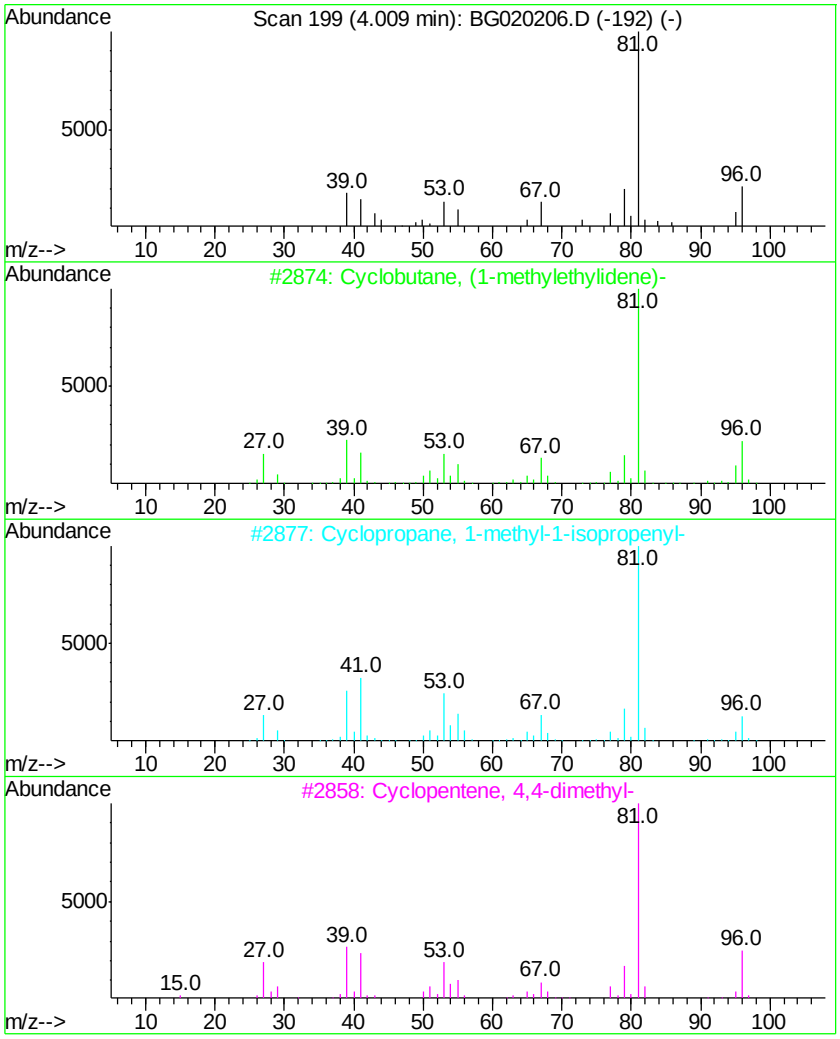
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

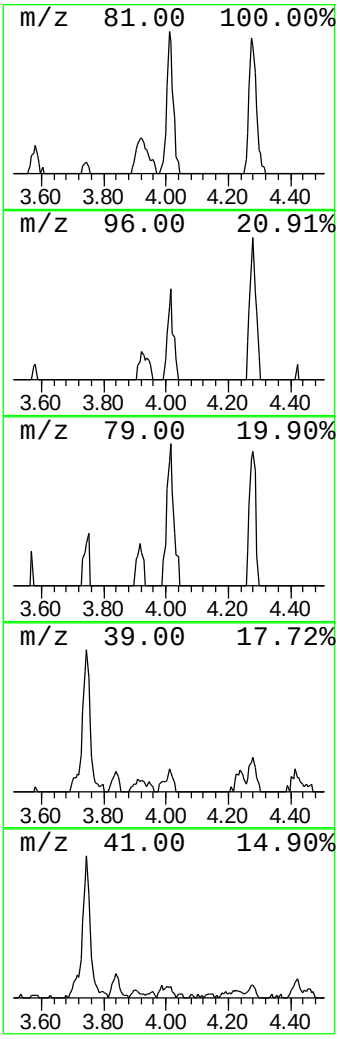
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Cyclobutane, (1-methylethyl... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.01	3.01 ng/ul	21133	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	86
2	Cyclopropane, 1-methyl-1-isoprop...	96	C7H12	003422-07-9	78
3	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	78
4	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	72
5	Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	64





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Operator : UM/SJ
Sample : G4786-17
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9C90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

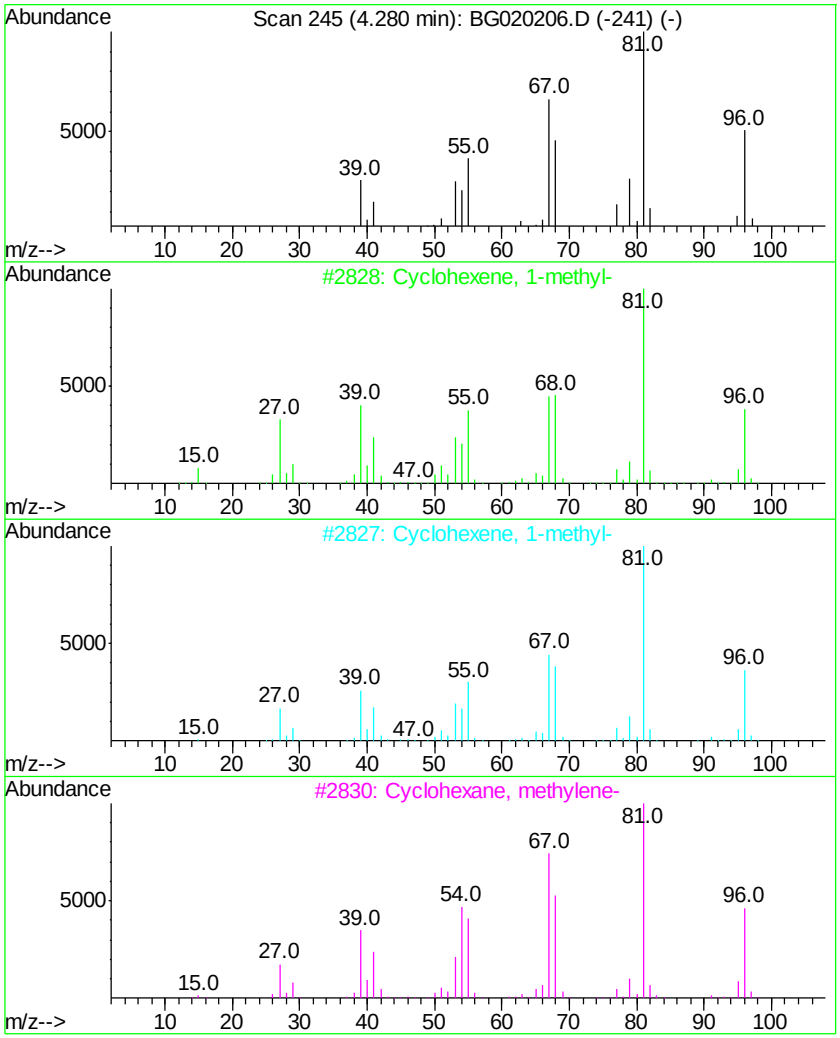
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

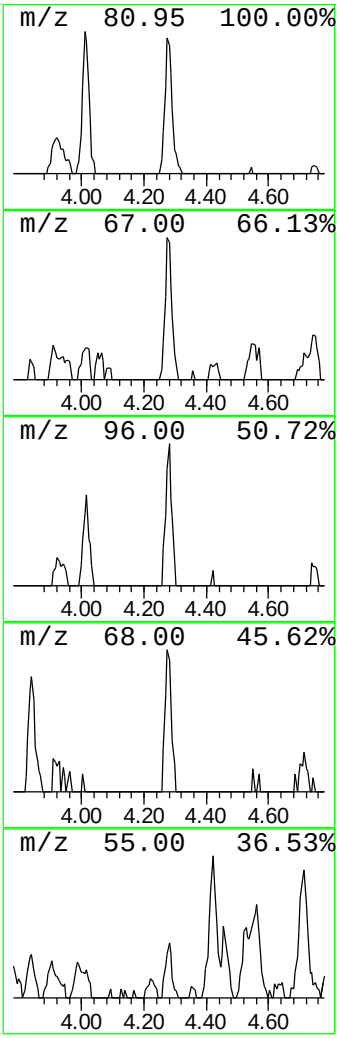
****

Peak Number 7 Cyclohexene, 1-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.28	3.67 ng/ul	25774	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	91
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	91
3	Cyclohexane, methylene-	96	C7H12	001192-37-6	87
4	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	83
5	Cyclohexane, methylene-	96	C7H12	001192-37-6	74





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
Data File : BG020206.D
Acq On : 16 Dec 2015 1:56
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Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9C90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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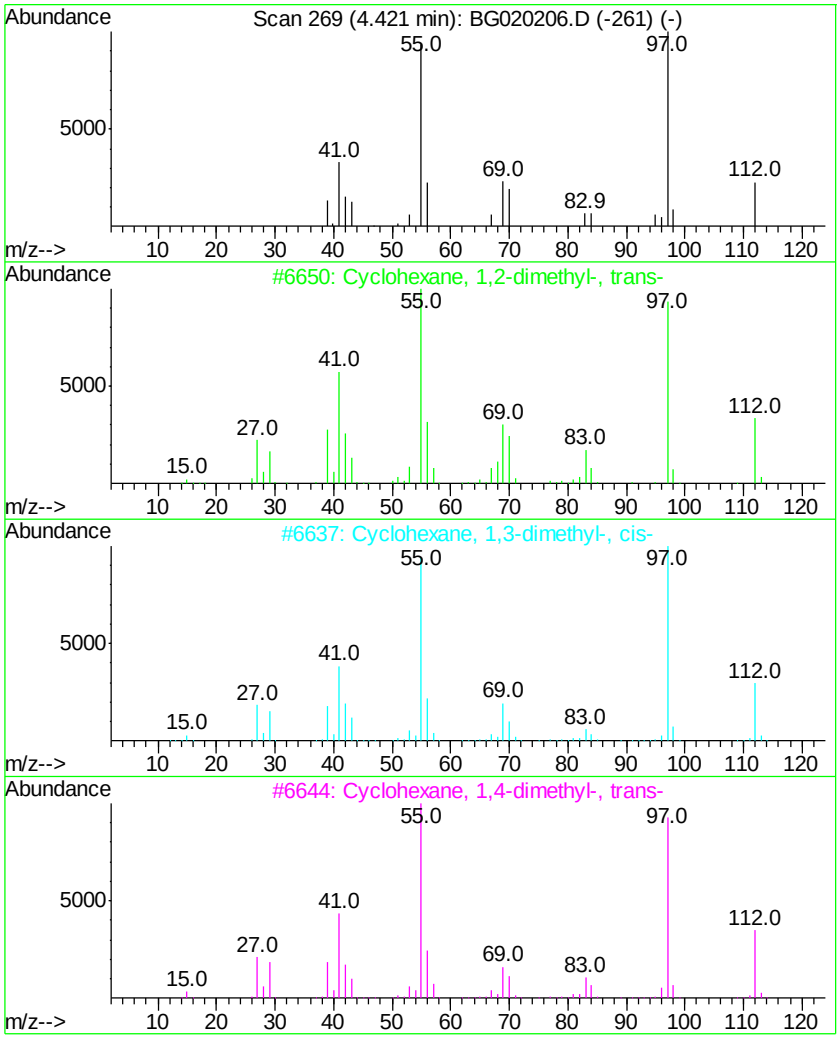
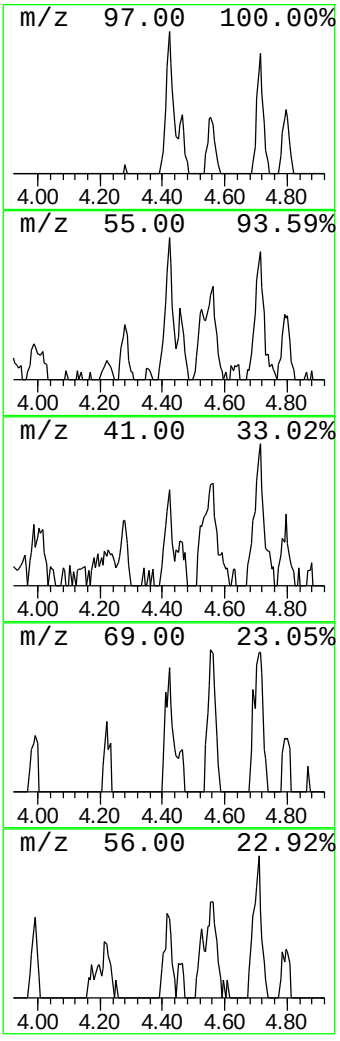
Peak Number 8 (DEL) Alkane: Cyclic4.42 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.42	3.28 ng/ul	23062	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
2	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	90
3	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	87
4	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	87
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87





Library Search Compound Report

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Acq On : 16 Dec 2015 1:56
Operator : UM/SJ
Sample : G4786-17
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9C90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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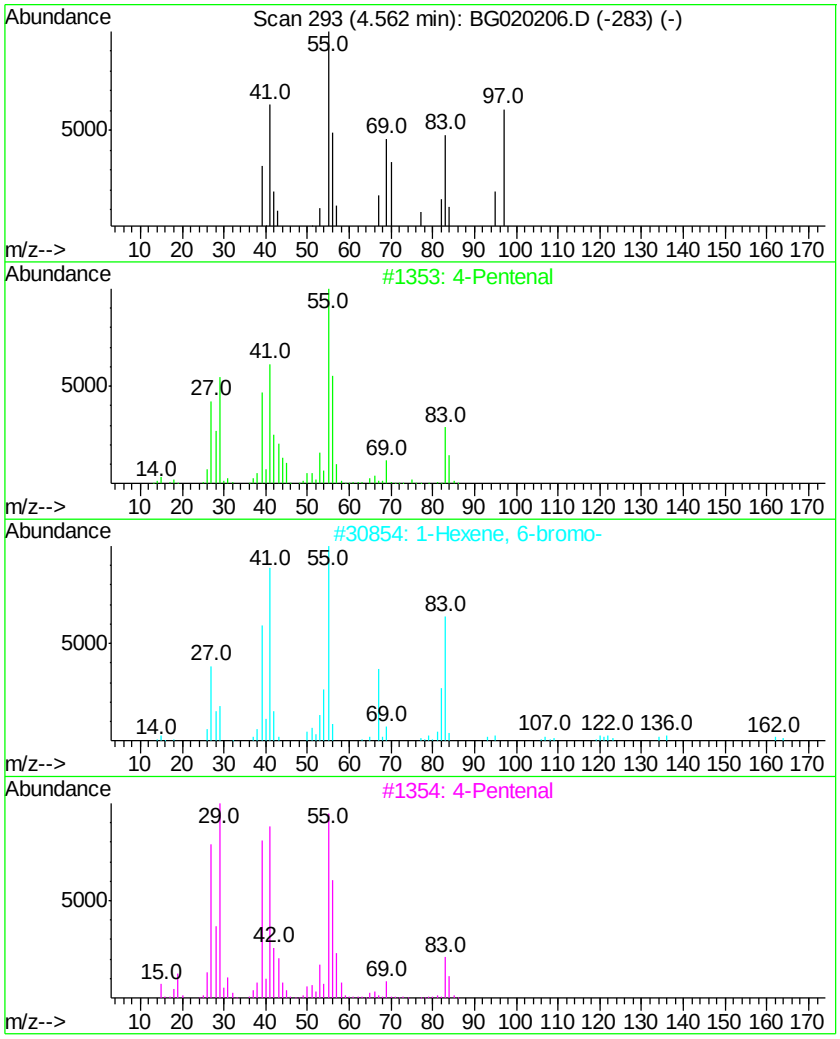
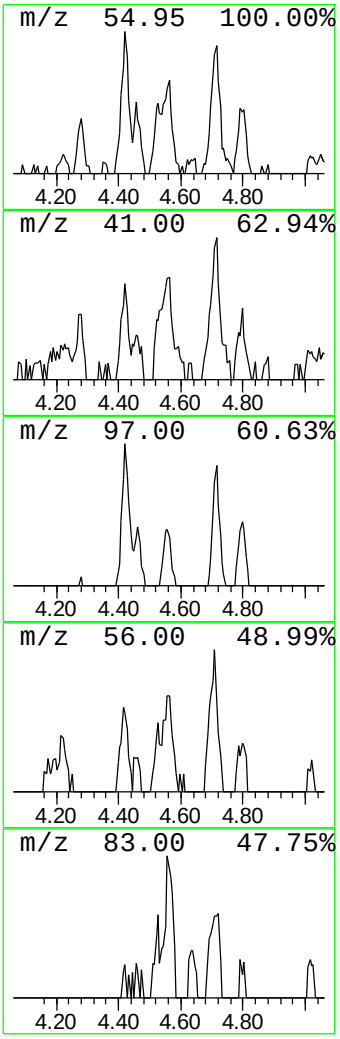
Peak Number 9 unknown-01 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.56	4.12 ng/ul	28944	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Pentenal	84	C5H8O	002100-17-6	27
2	1-Hexene, 6-bromo-	162	C6H11Br	002695-47-8	22
3	4-Pentenal	84	C5H8O	002100-17-6	22
4	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	14
5	1-Heptanol, 6-methyl-	130	C8H18O	001653-40-3	12





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Sample : G4786-17
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9C90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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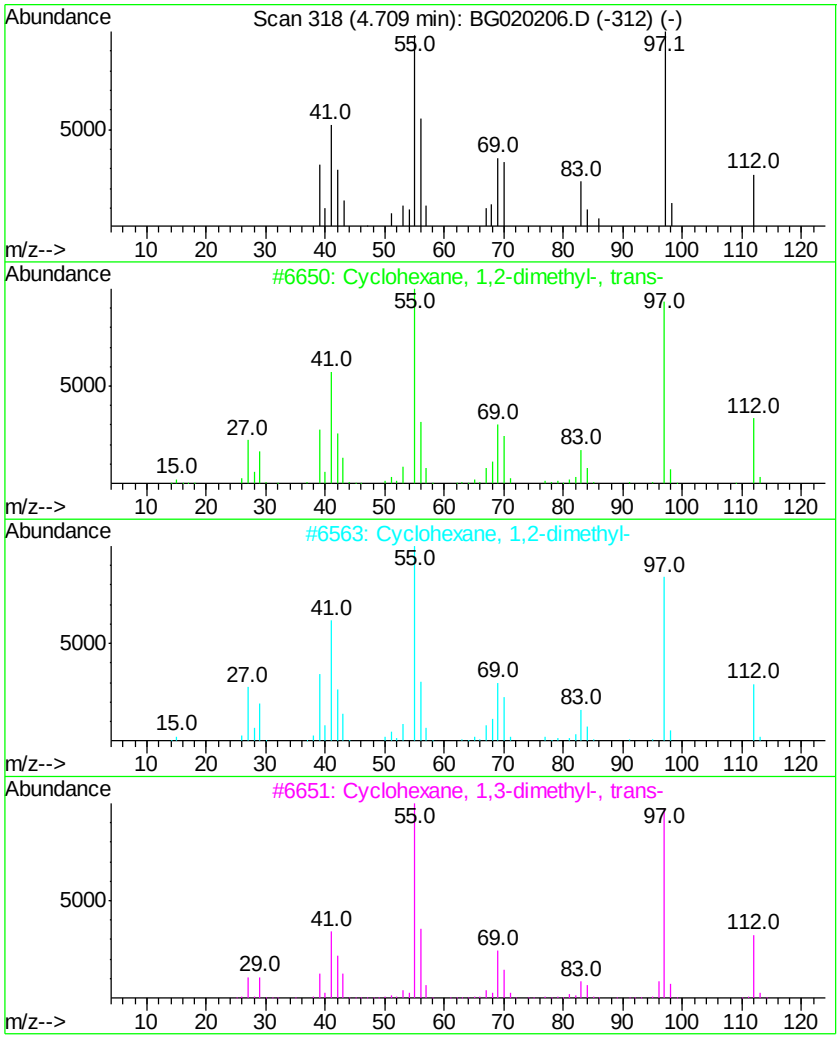
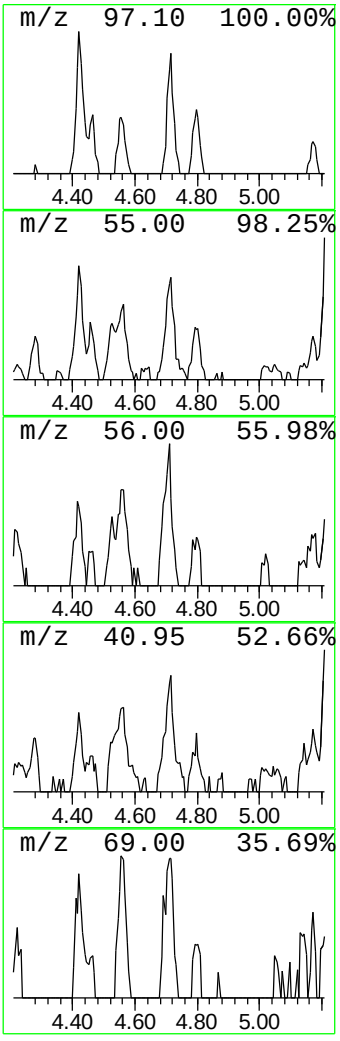
Peak Number 10 (DEL) Alkane: Cyclic4.71 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.71	3.73 ng/ul	26220	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	90
2	Cyclohexane, 1,2-dimethyl-	112	C8H16	000583-57-3	87
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	83
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	83
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	80





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Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9C90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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Peak Number 11 (DEL) Alkane: Cyclic5.21 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.21	3.88 ng/ul	27241	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	83
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	80
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	80
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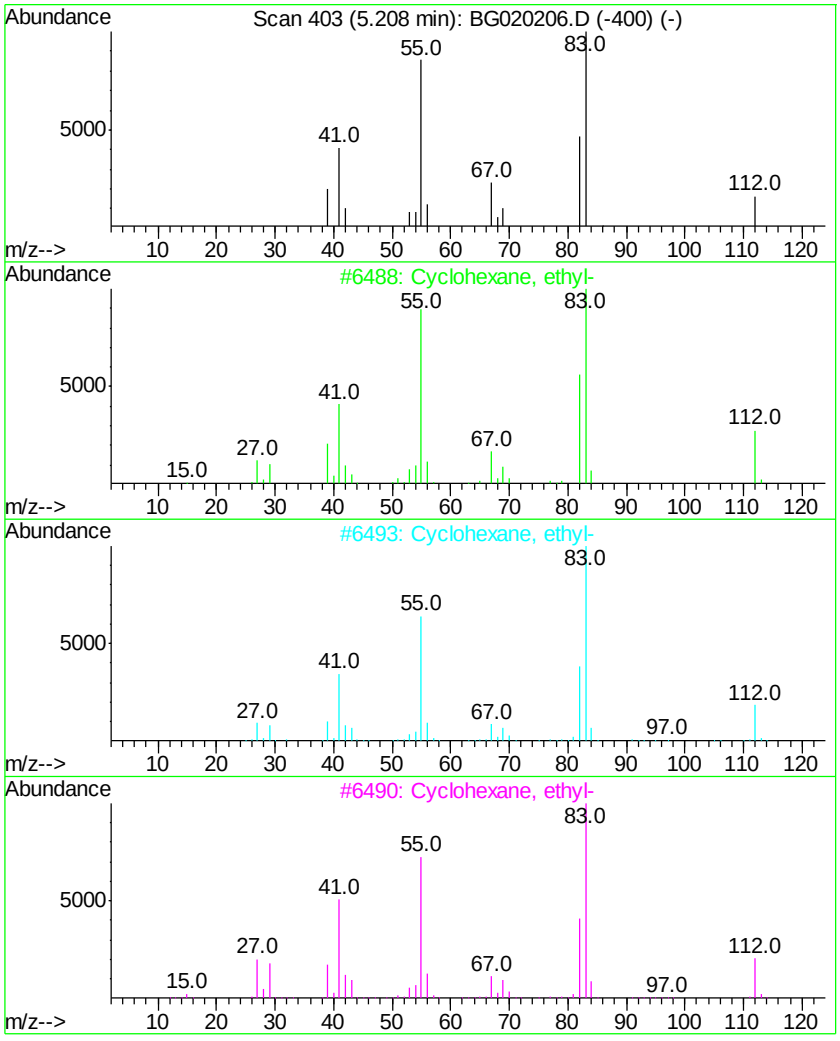
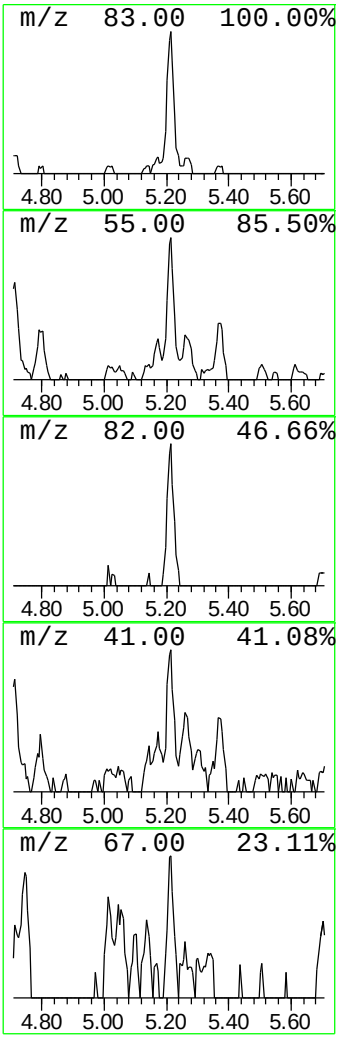
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	72





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ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9C90

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Quant Title : SVOA CALIBRATION

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

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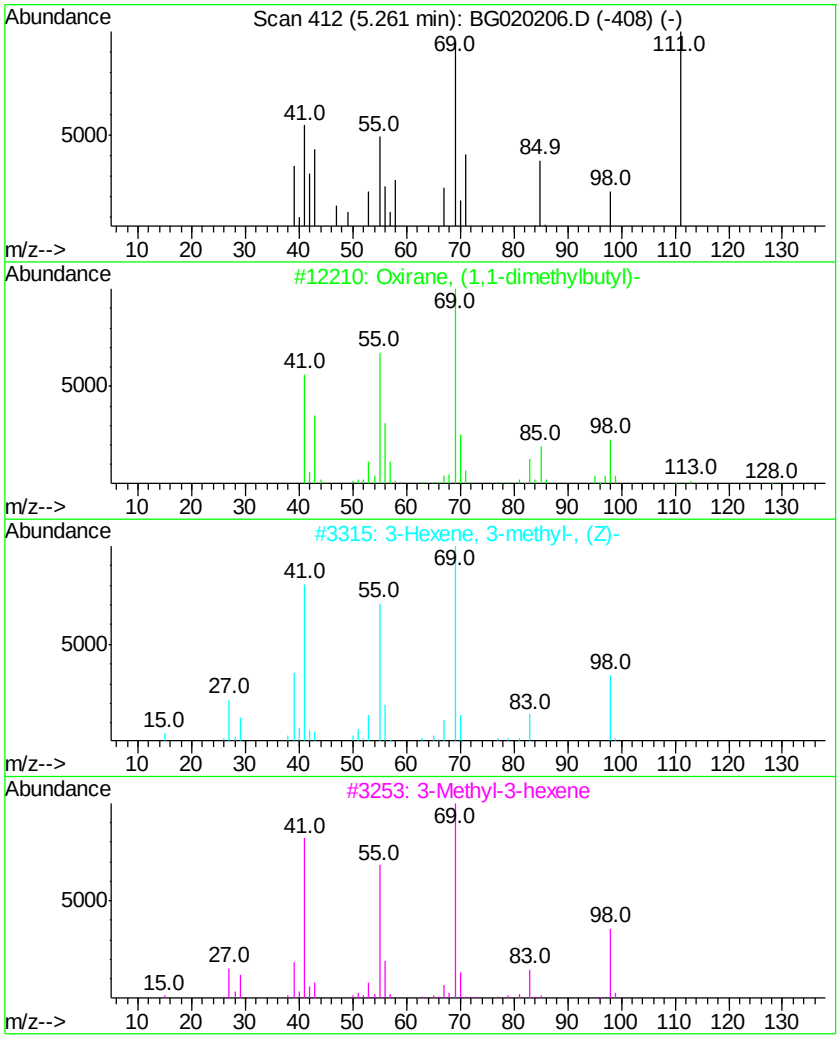
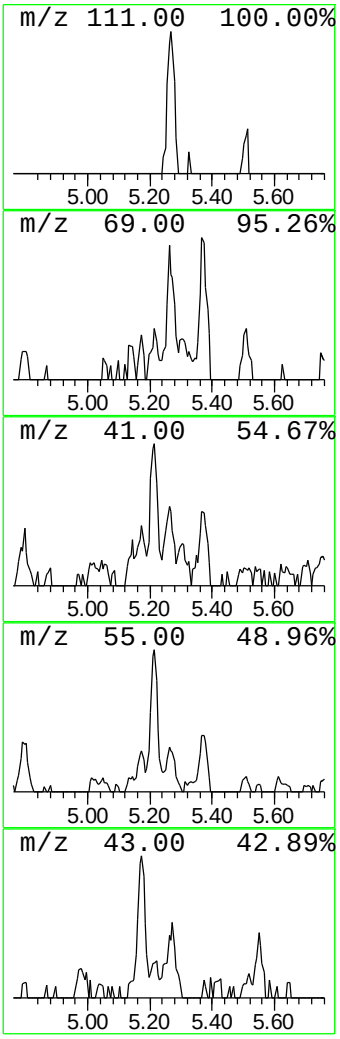
Peak Number 12 unknown-02 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.26	3.12 ng/ul	21905	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, (1,1-dimethylbutyl)-	128	C8H16O	053907-76-9	27
2	3-Hexene, 3-methyl-, (Z)-	98	C7H14	004914-89-0	27
3	3-Methyl-3-hexene	98	C7H14	003404-65-7	27
4	1-Octene, 3,3-dimethyl-	140	C10H20	074511-51-6	14
5	1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	12





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Sample : G4786-17
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9C90

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Quant Title : SVOA CALIBRATION

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

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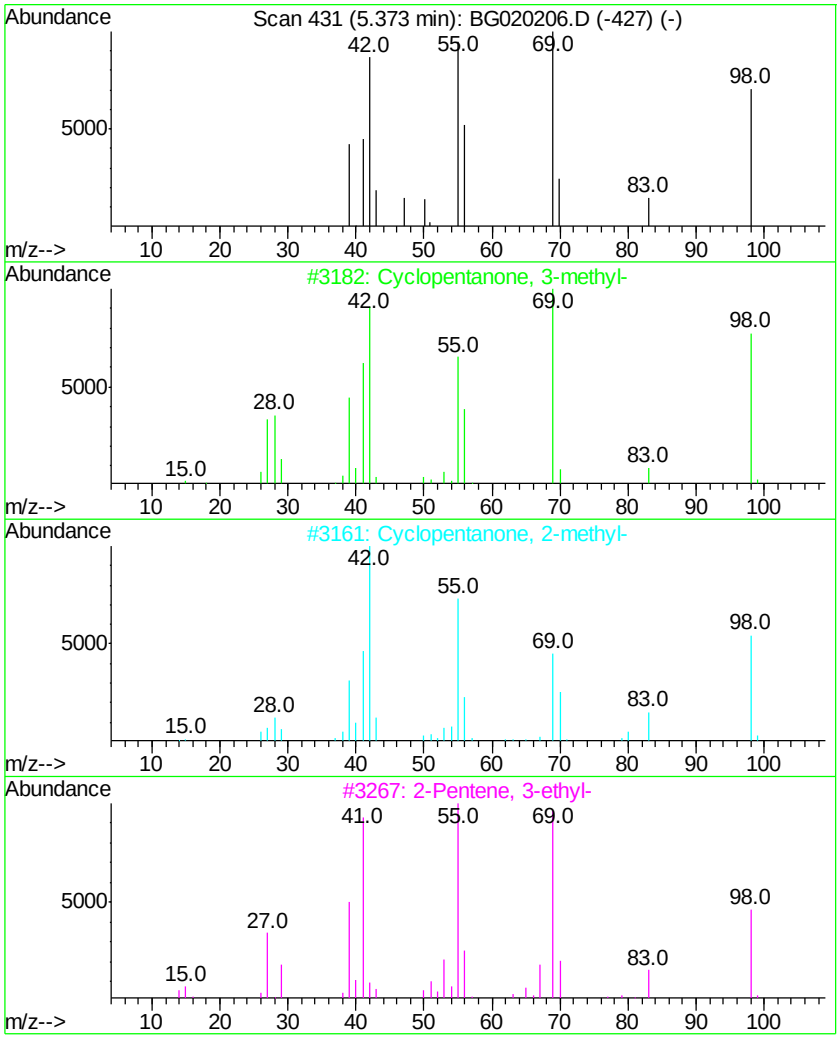
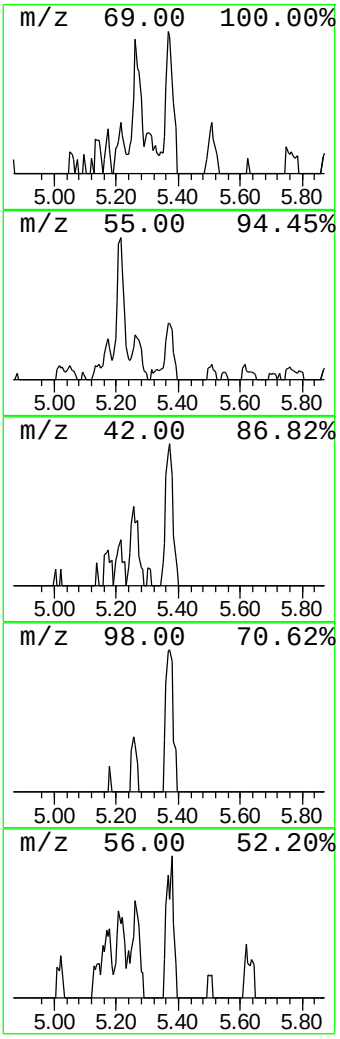
Peak Number 13 Cyclopentanone, 3-methyl- Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.37	2.08 ng/ul	14626	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone, 3-methyl-	98	C6H10O	001757-42-2	86
2	Cyclopentanone, 2-methyl-	98	C6H10O	001120-72-5	46
3	2-Pentene, 3-ethyl-	98	C7H14	000816-79-5	43
4	Cyclopropane, ethyl-	70	C5H10	001191-96-4	25
5	Cyclopropane, ethyl-	70	C5H10	001191-96-4	25





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Instrument : BNA_G
ClientSampleId : G9C90

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Quant Title : SVOA CALIBRATION

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

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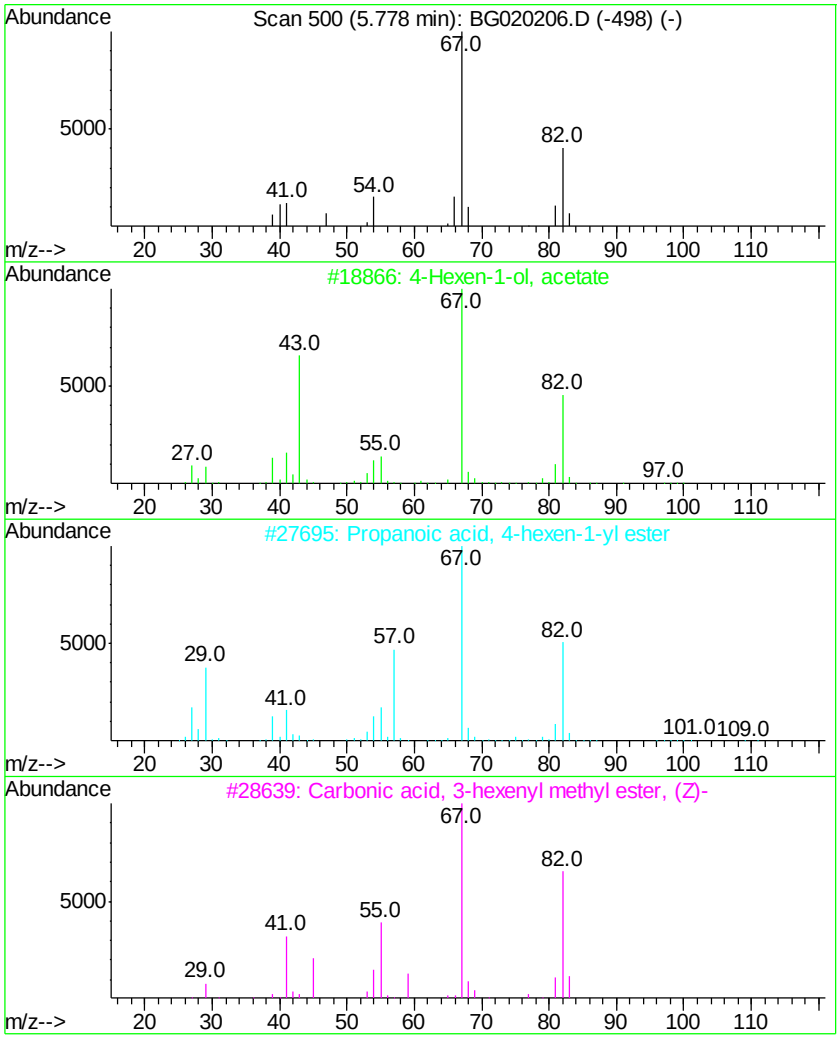
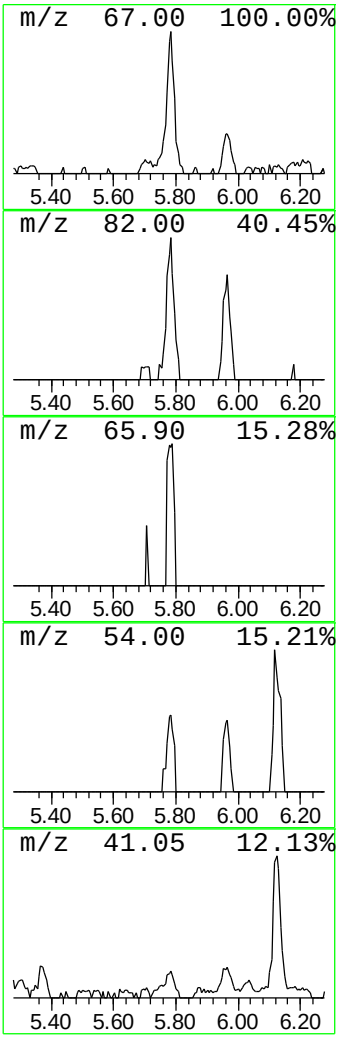
Peak Number 16 4-Hexen-1-ol, acetate Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.78	2.82 ng/ul	19808	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Hexen-1-ol, acetate	142	C8H14O2	072237-36-6	56
2	Propanoic acid, 4-hexen-1-yl ester	156	C9H16O2	1000159-22-1	40
3	Carbonic acid, 3-hexenyl methyl ...	158	C8H14O3	067633-96-9	40
4	2,4-Hexadiene, (E,E)-	82	C6H10	005194-51-4	9
5	1,3-Pentadiene, 3-methyl-, (Z)-	82	C6H10	002787-45-3	9





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Sample : G4786-17
Misc :
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Instrument : BNA_G
ClientSampleId : G9C90

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Quant Title : SVOA CALIBRATION

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

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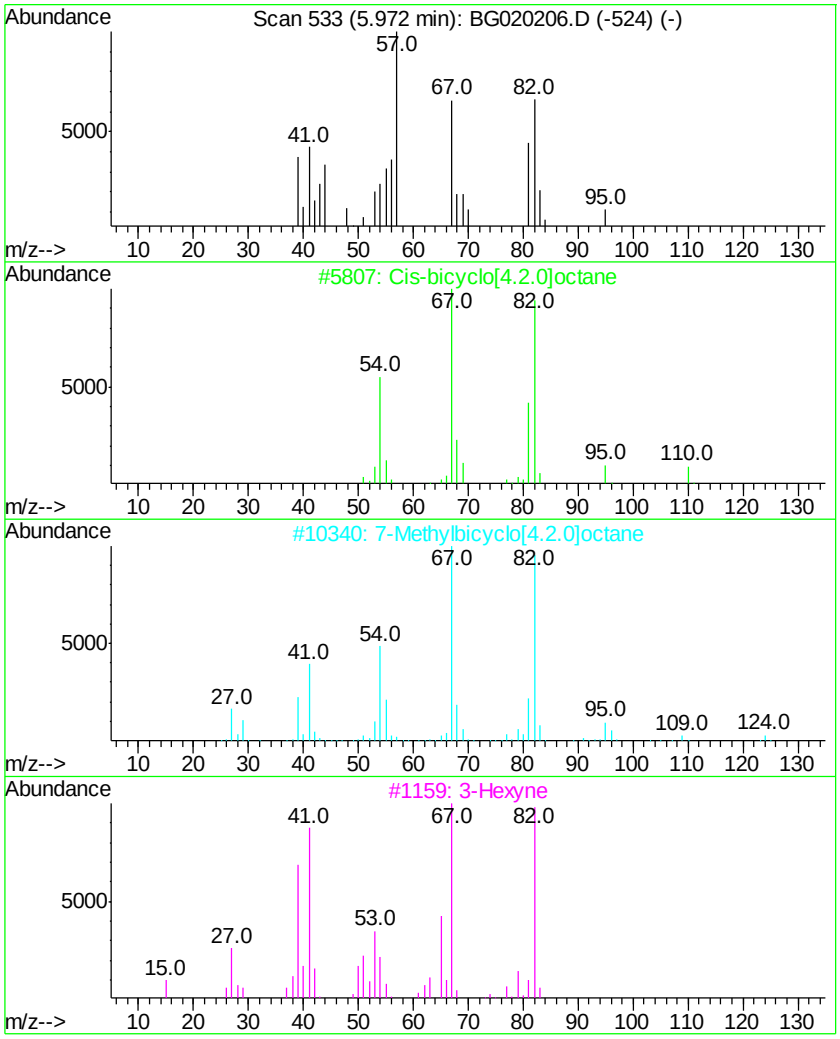
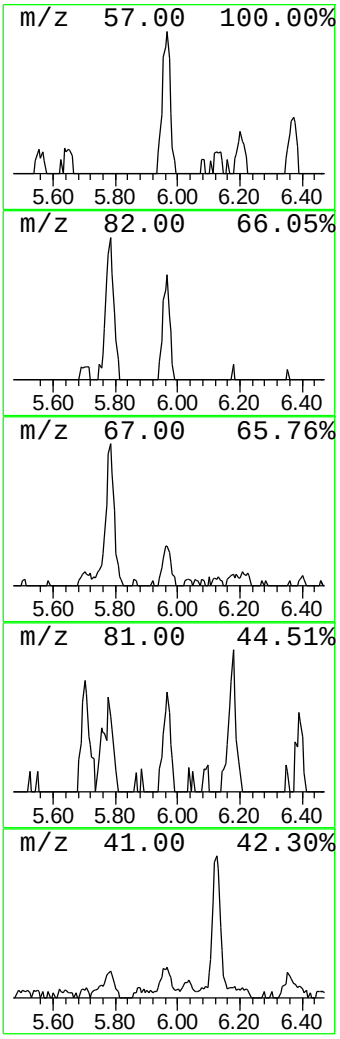
Peak Number 17 (DEL) Alkane: Branched5.97 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	3.60 ng/ul	25264	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cis-bicyclo[4.2.0]octane	110	C8H14	028282-35-1	53
2	7-Methylbicyclo[4.2.0]octane	124	C9H16	1000210-90-2	50
3	3-Hexyne	82	C6H10	000928-49-4	46
4	Cyclopropane, (1-methylethylidene)-	82	C6H10	004741-86-0	43
5	1H-Pyrazole, 3-methyl-	82	C4H6N2	001453-58-3	38





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Instrument : BNA_G
ClientSampleId : G9C90

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Quant Title : SVOA CALIBRATION

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

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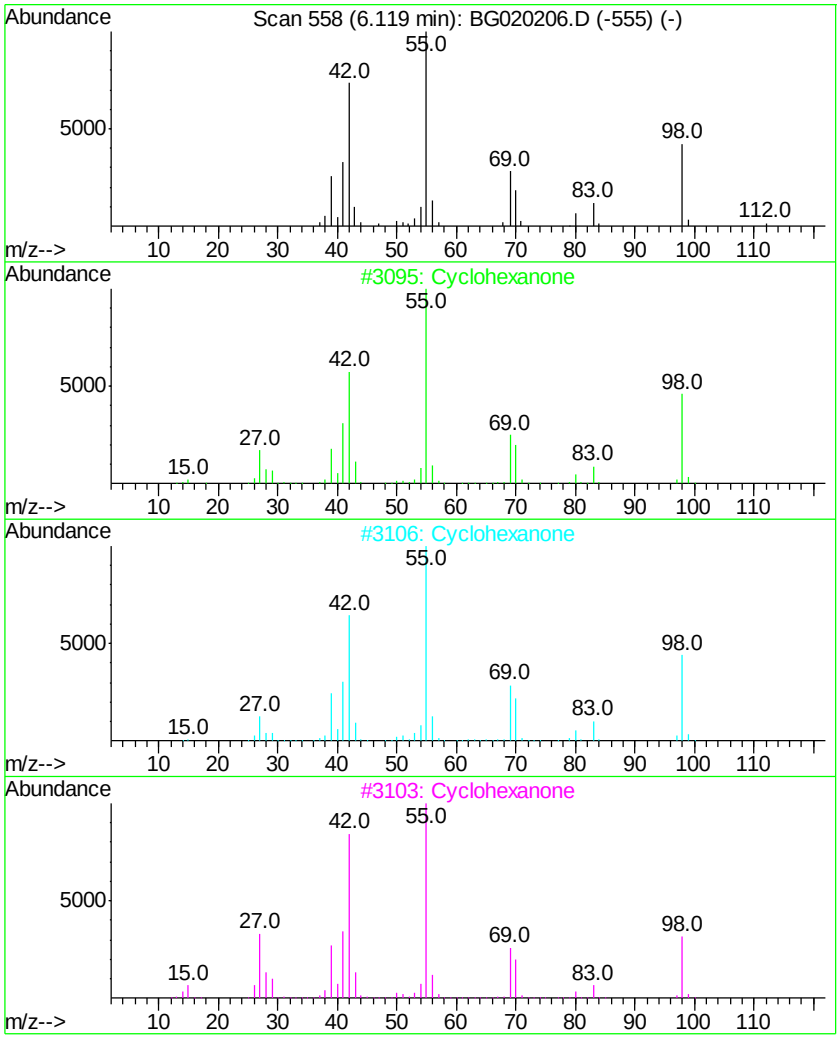
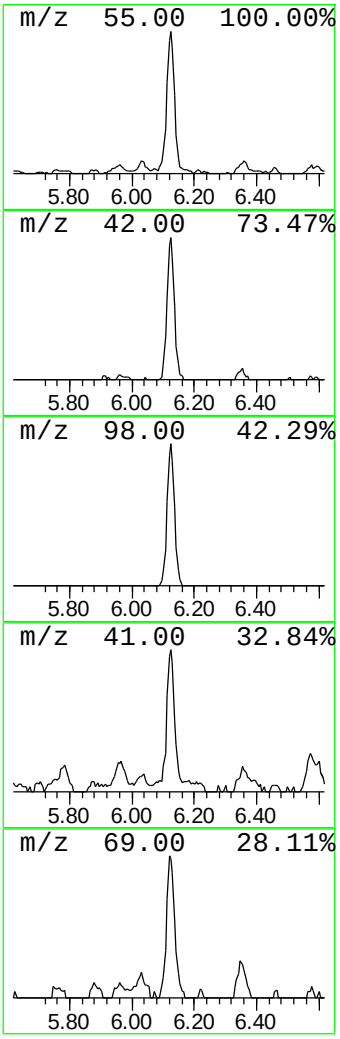
Peak Number 19 Cyclohexanone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.12	11.90 ng/ul	83535	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone	98	C6H10O	000108-94-1	91
2	Cyclohexanone	98	C6H10O	000108-94-1	91
3	Cyclohexanone	98	C6H10O	000108-94-1	90
4	Cyclohexanone	98	C6H10O	000108-94-1	83
5	Cyclopentanone, 2-methyl-	98	C6H10O	001120-72-5	80





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Instrument : BNA_G
ClientSampleId : G9C90

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Quant Title : SVOA CALIBRATION

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

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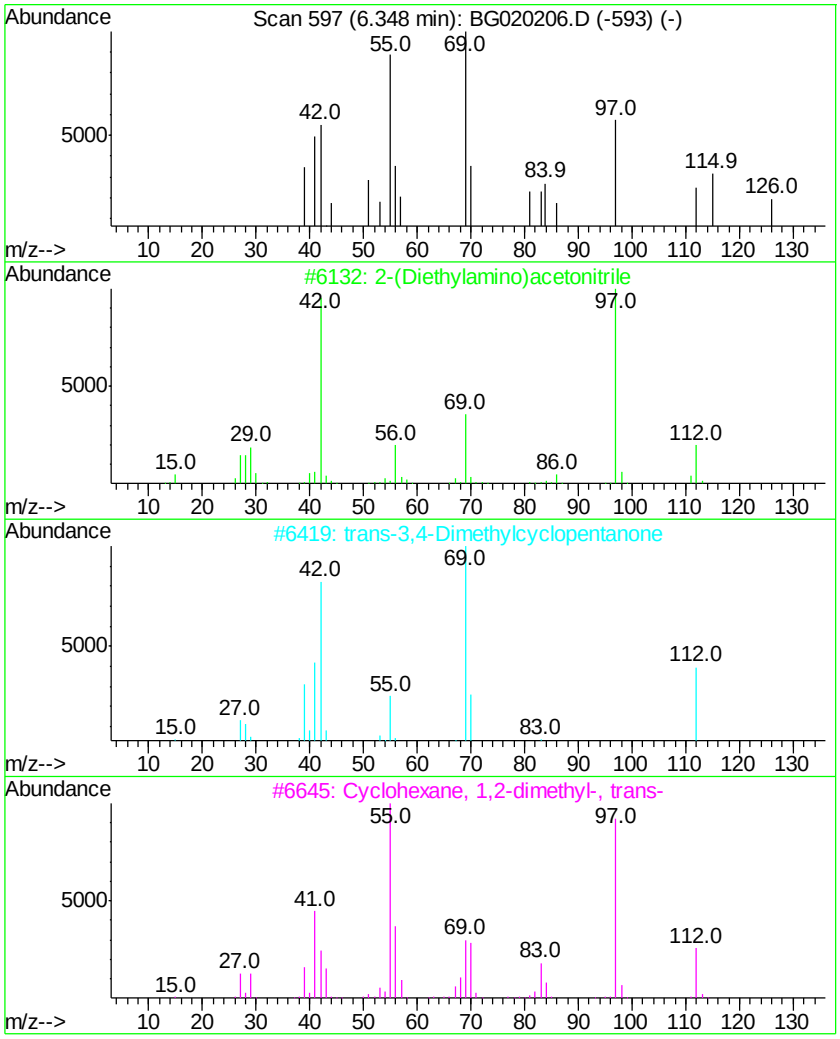
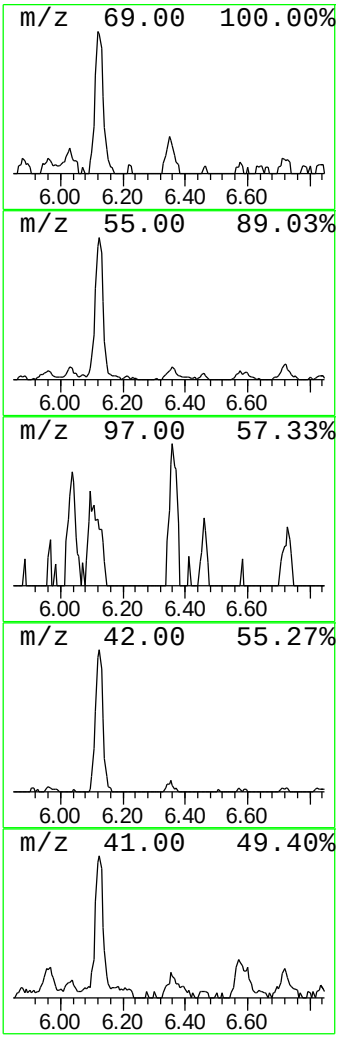
Peak Number 20 unknown-03 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.35	2.29 ng/ul	16073	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(Diethylamino)acetonitrile	112	C6H12N2	003010-02-4	38
2	trans-3,4-Dimethylcyclopentanone	112	C7H12O	019550-73-3	37
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	35
4	Cycloheptane, methyl-	112	C8H16	004126-78-7	35
5	Cyclohexanone, 3-methyl-, (R)-	112	C7H12O	013368-65-5	27





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Quant Title : SVOA CALIBRATION

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

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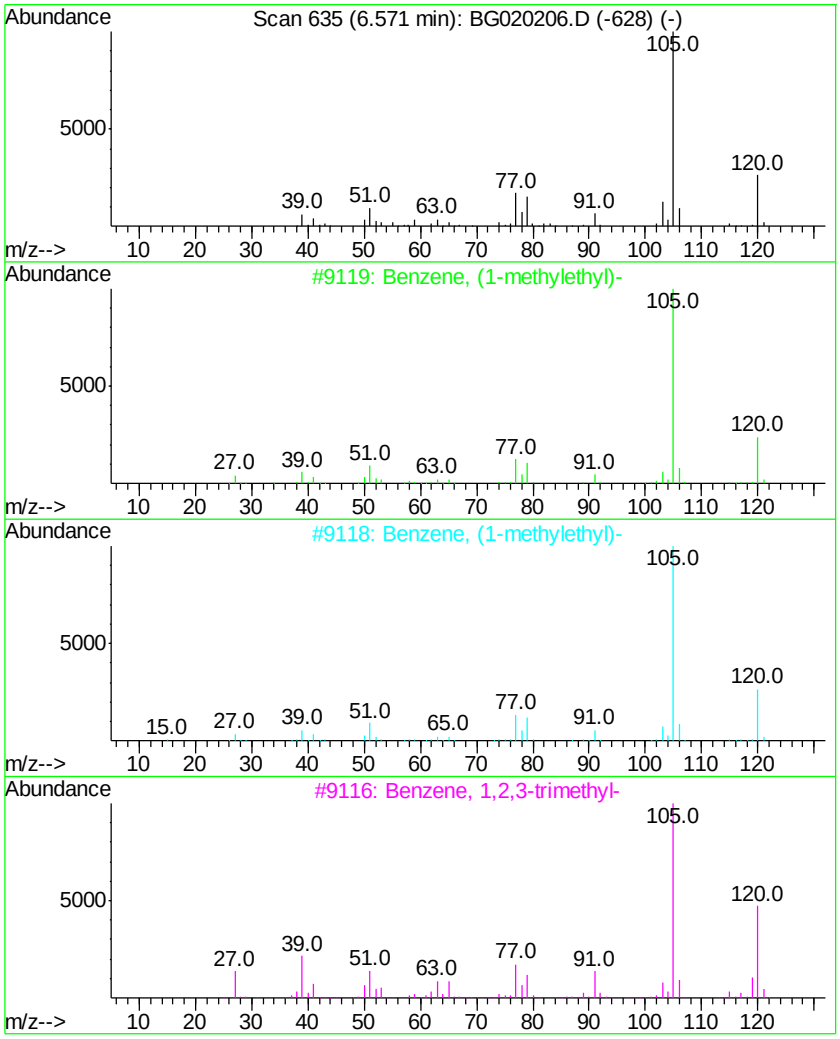
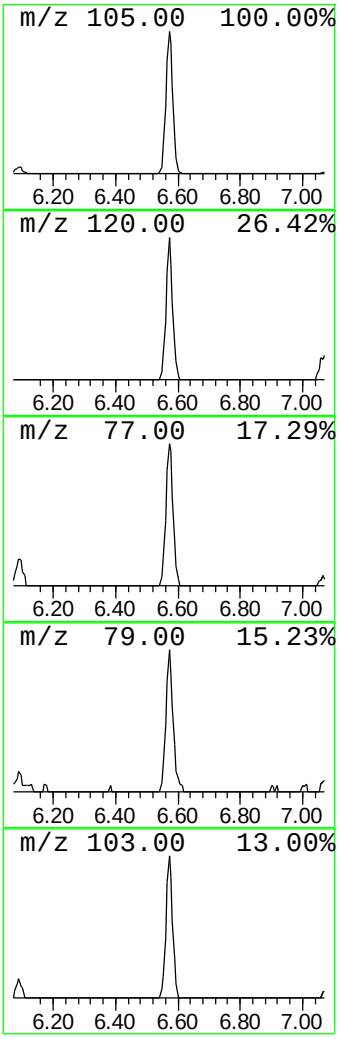
Peak Number 21 Benzene, (1-methylethyl)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	20.56 ng/ul	144386	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	94
2	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	90
5	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	87





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ClientSampleId : G9C90

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Quant Title : SVOA CALIBRATION

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

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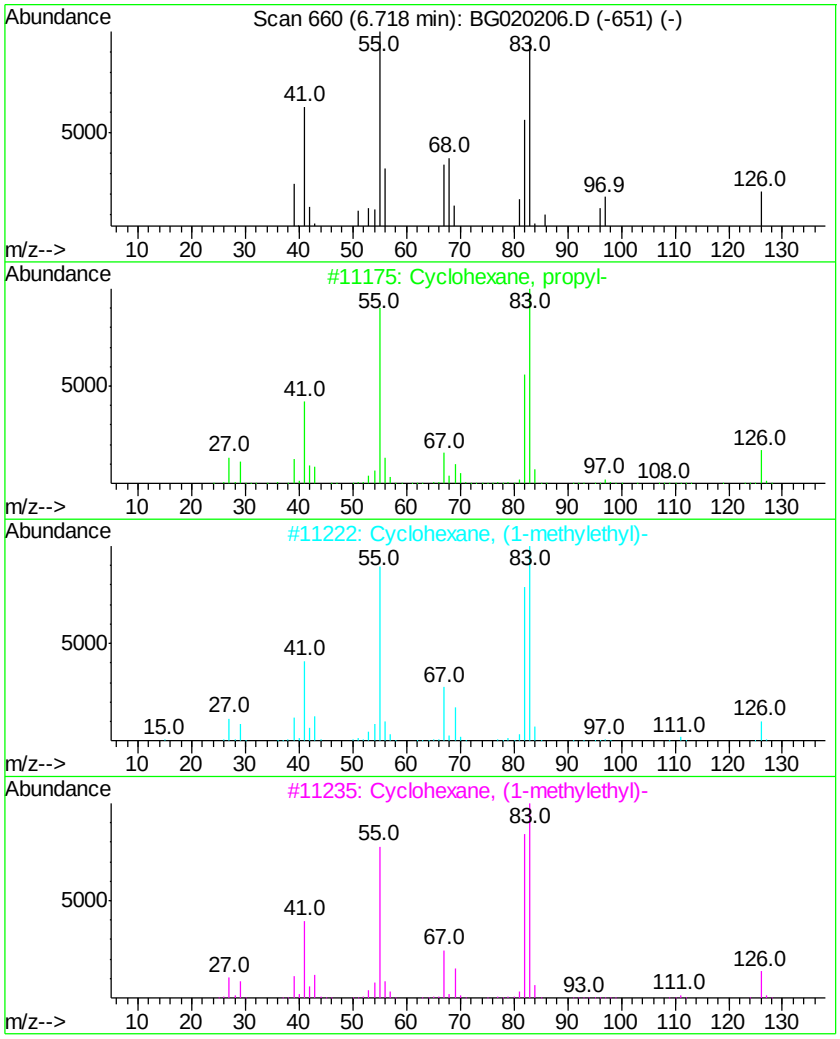
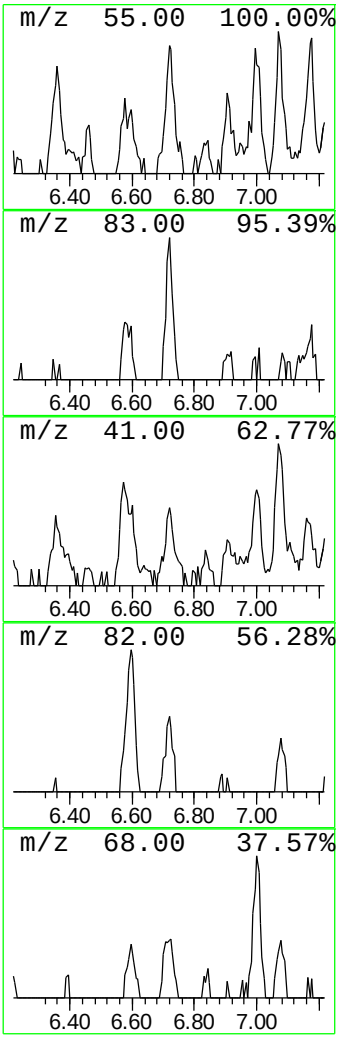
Peak Number 22 (DEL) Alkane: Cyclic6.72 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	3.11 ng/ul	21842	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	59
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	53
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	53
4	Ethanone, 1-cyclohexyl-	126	C8H14O	000823-76-7	50
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	50





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Data File : BG020206.D
Acq On : 16 Dec 2015 1:56
Operator : UM/SJ
Sample : G4786-17
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9C90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

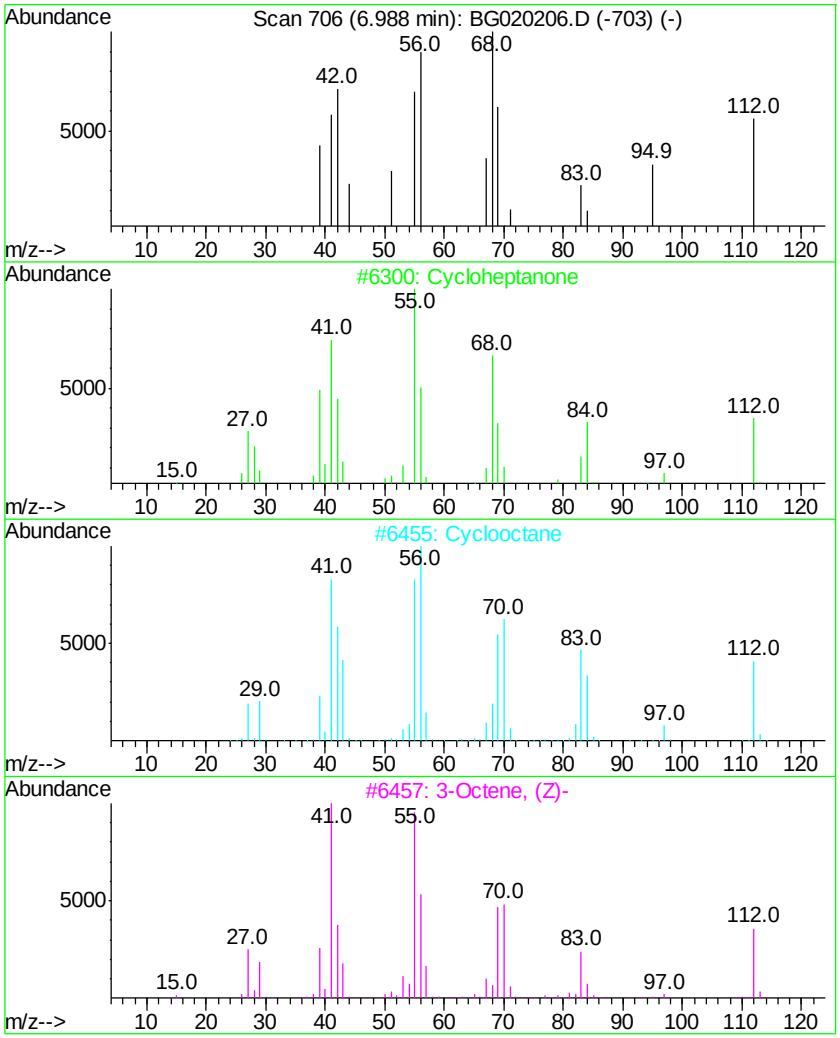
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

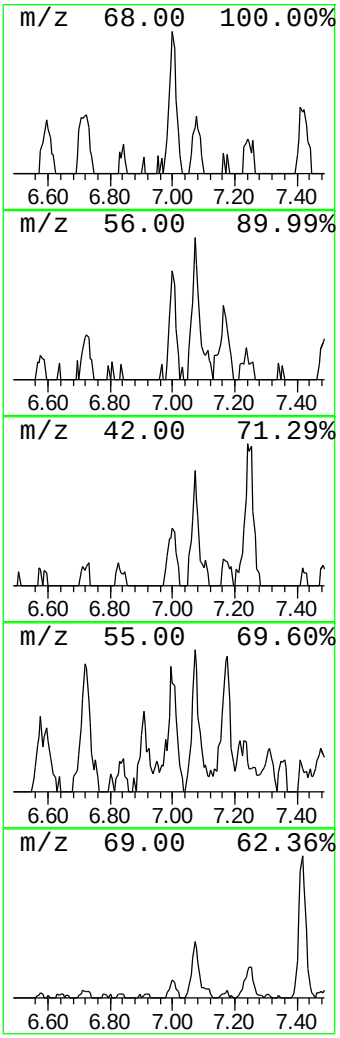
****

Peak Number 23 Cycloheptanone Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.99	3.03 ng/ul	21248	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptanone	112	C7H12O	000502-42-1	72
2	Cyclooctane	112	C8H16	000292-64-8	43
3	3-Octene, (Z)-	112	C8H16	014850-22-7	38
4	3-Octene, (E)-	112	C8H16	014919-01-8	38
5	Cyclopropane, 1-ethyl-2-methyl-,...	84	C6H12	019781-68-1	38





Library Search Compound Report

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Data File : BG020206.D
Acq On : 16 Dec 2015 1:56
Operator : UM/SJ
Sample : G4786-17
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9C90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

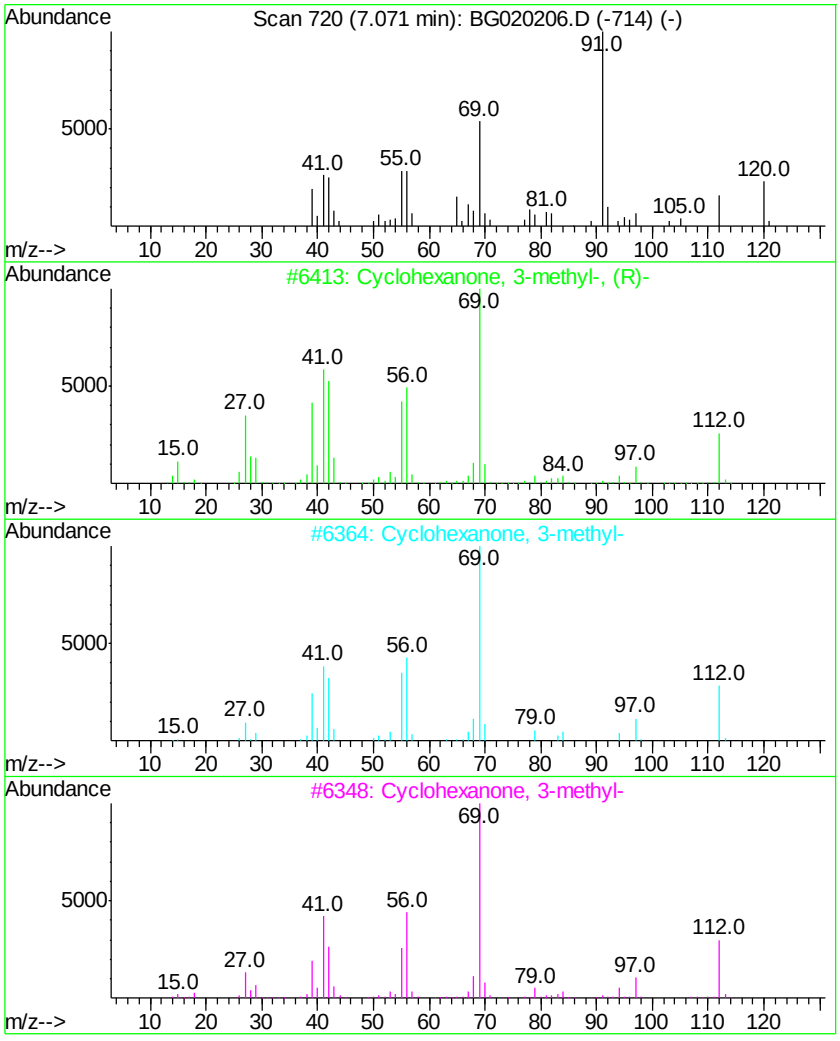
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

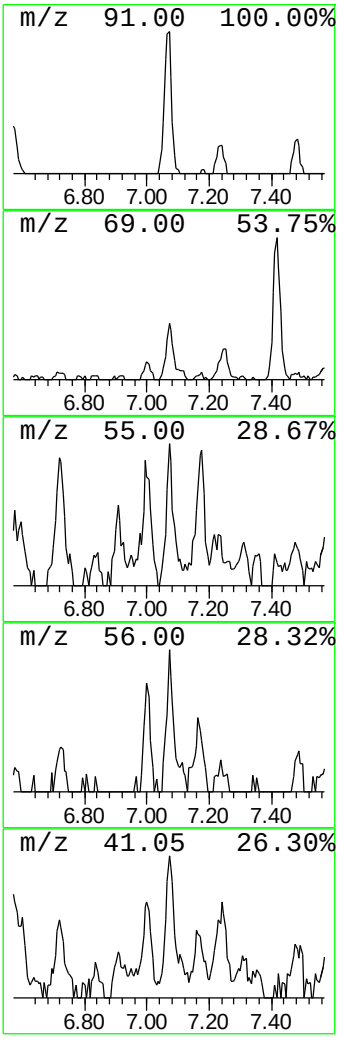
****

Peak Number 24 Cyclohexanone, 3-methyl-, (R)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.07	7.40 ng/ul	51951	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 3-methyl-, (R)-	112	C7H12O	013368-65-5	50
2	Cyclohexanone, 3-methyl-	112	C7H12O	000591-24-2	45
3	Cyclohexanone, 3-methyl-	112	C7H12O	000591-24-2	30
4	Benzene, propyl-	120	C9H12	000103-65-1	30
5	Benzene, propyl-	120	C9H12	000103-65-1	30





Library Search Compound Report

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Data File : BG020206.D
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Operator : UM/SJ
Sample : G4786-17
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9C90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

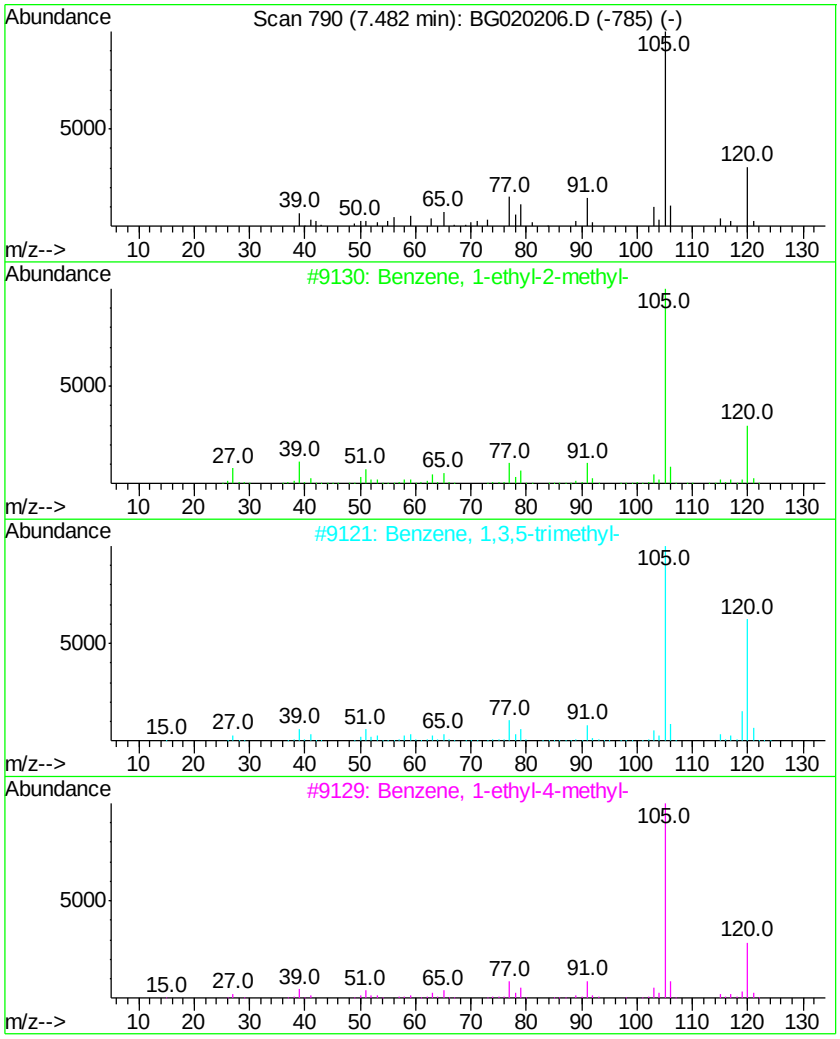
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

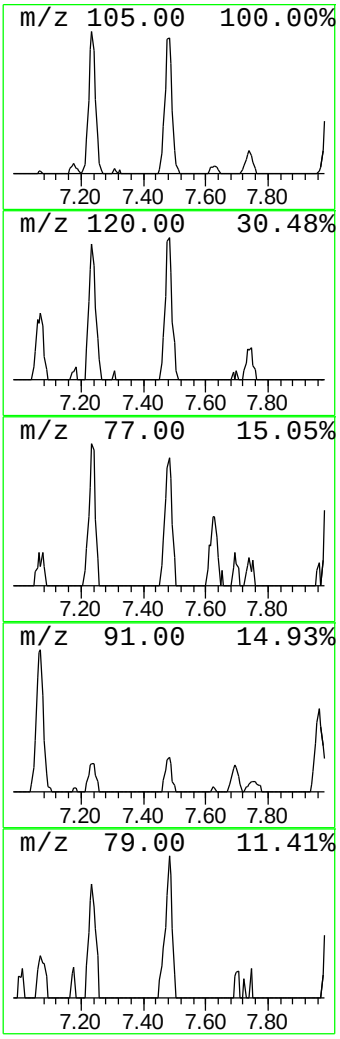
****

Peak Number 25 Benzene, 1-ethyl-2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.48	6.12 ng/ul	42962	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90





Library Search Compound Report

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Data File : BG020206.D
Acq On : 16 Dec 2015 1:56
Operator : UM/SJ
Sample : G4786-17
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9C90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

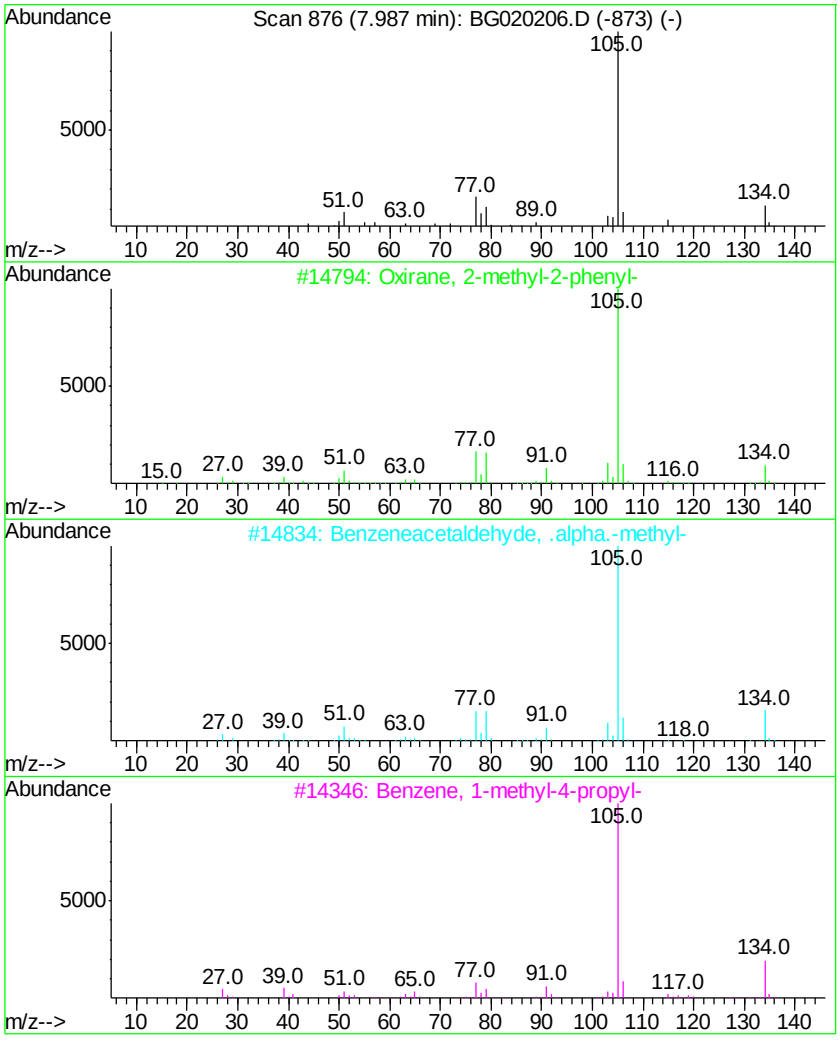
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

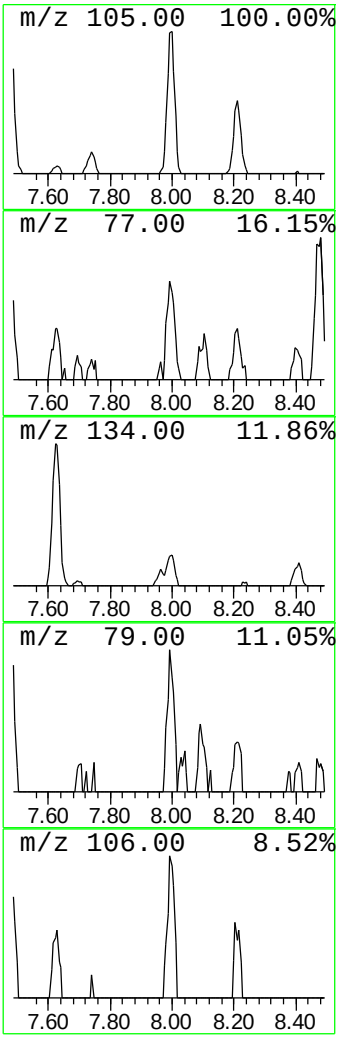
****

Peak Number 26 Oxirane, 2-methyl-2-phenyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.99	5.96 ng/ul	41842	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	91
2	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	86
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	80
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	80
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	78





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Data File : BG020206.D
Acq On : 16 Dec 2015 1:56
Operator : UM/SJ
Sample : G4786-17
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9C90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

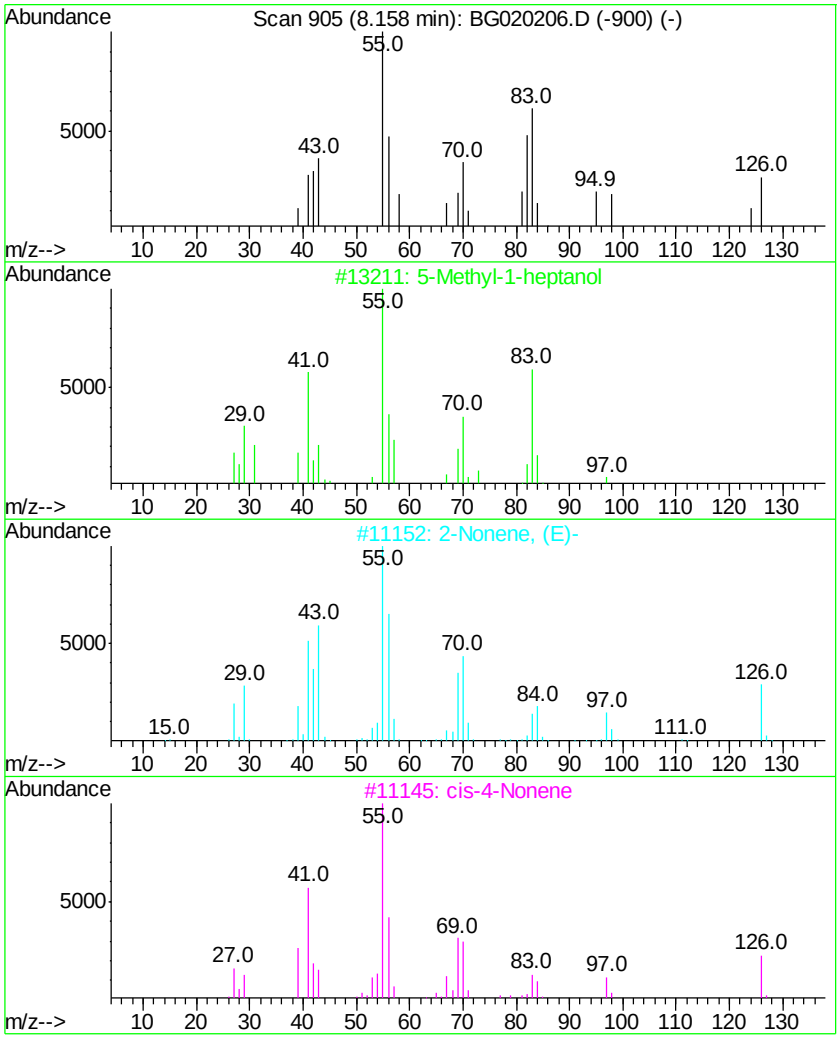
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

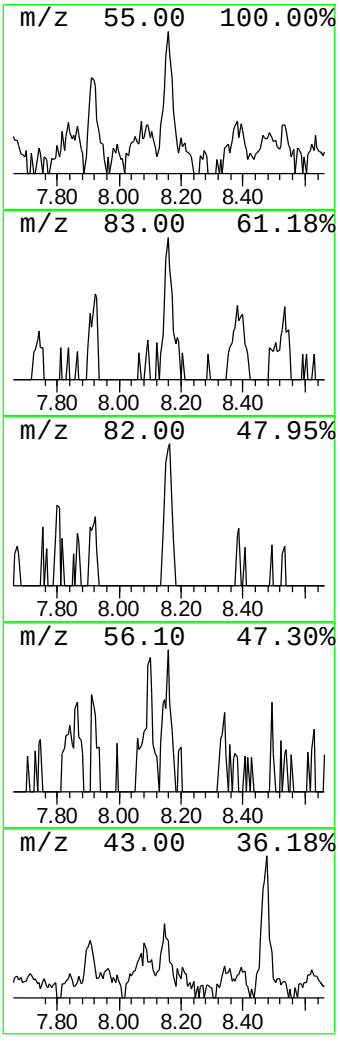
****

Peak Number 27 unknown-04 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.16	3.23 ng/ul	22682	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Methyl-1-heptanol	130	C8H18O	007212-53-5	47
2	2-Nonene, (E)-	126	C9H18	006434-78-2	46
3	cis-4-Nonene	126	C9H18	010405-84-2	46
4	2-Nonene, (E)-	126	C9H18	006434-78-2	46
5	3-Nonene, (E)-	126	C9H18	020063-92-7	46





Library Search Compound Report

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Data File : BG020206.D
Acq On : 16 Dec 2015 1:56
Operator : UM/SJ
Sample : G4786-17
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9C90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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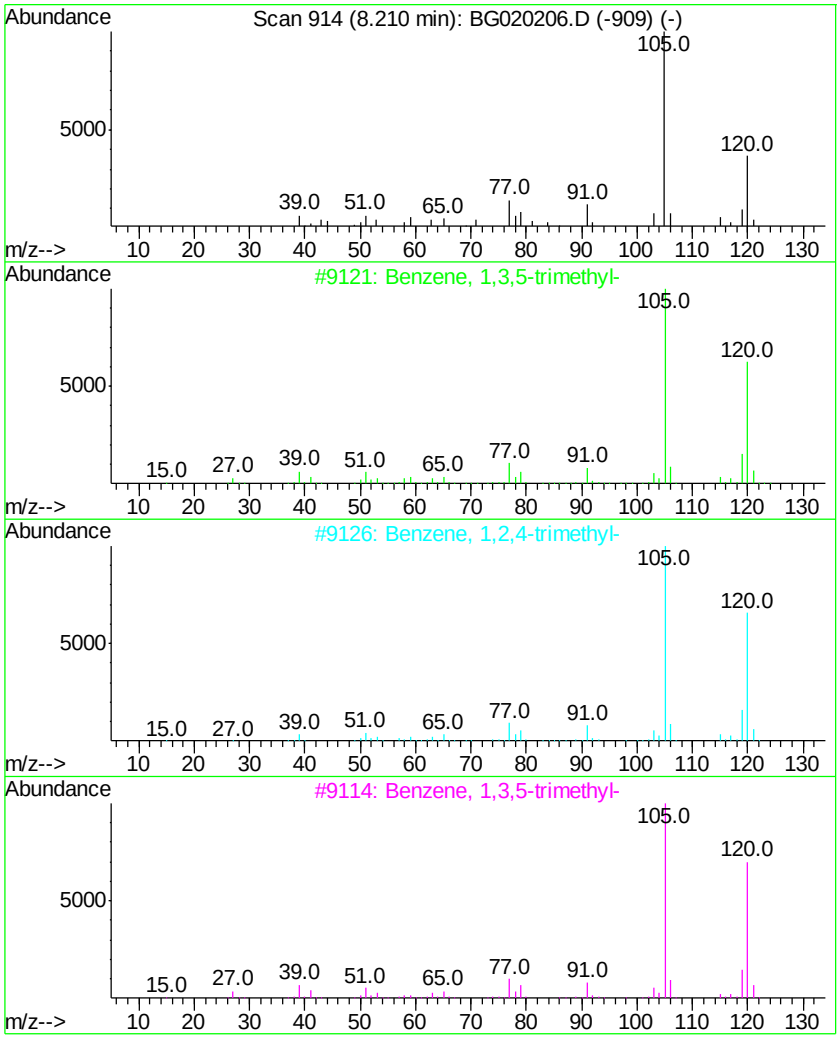
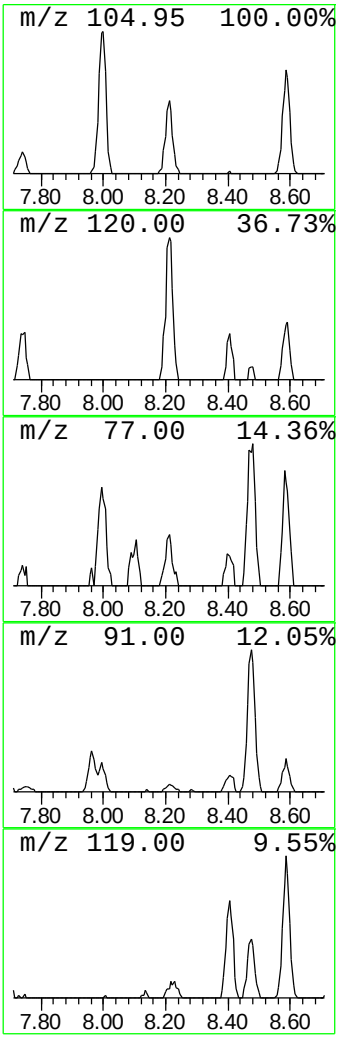
Peak Number 28 Benzene, 1,3,5-trimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.21	4.36 ng/ul	30587	1,4-Dichlorobenzene-d4	8.10

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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
Data File : BG020206.D
Acq On : 16 Dec 2015 1:56
Operator : UM/SJ
Sample : G4786-17
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9C90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

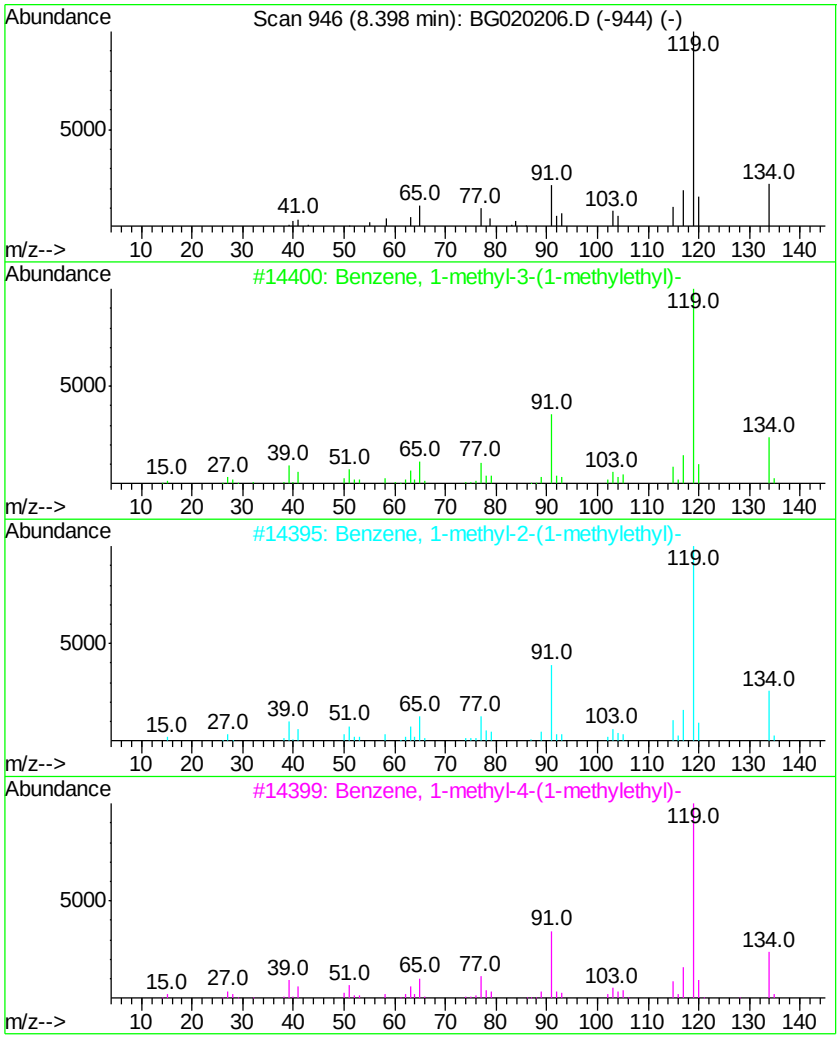
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

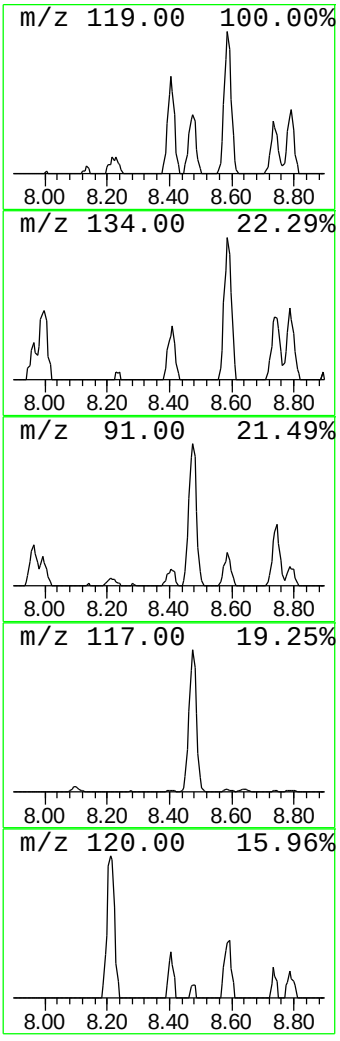
****

Peak Number 29 Benzene, 1-methyl-3-(1-meth... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	3.03 ng/ul	21268	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
2	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	91
3	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	90
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	87





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Acq On : 16 Dec 2015 1:56
Operator : UM/SJ
Sample : G4786-17
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9C90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

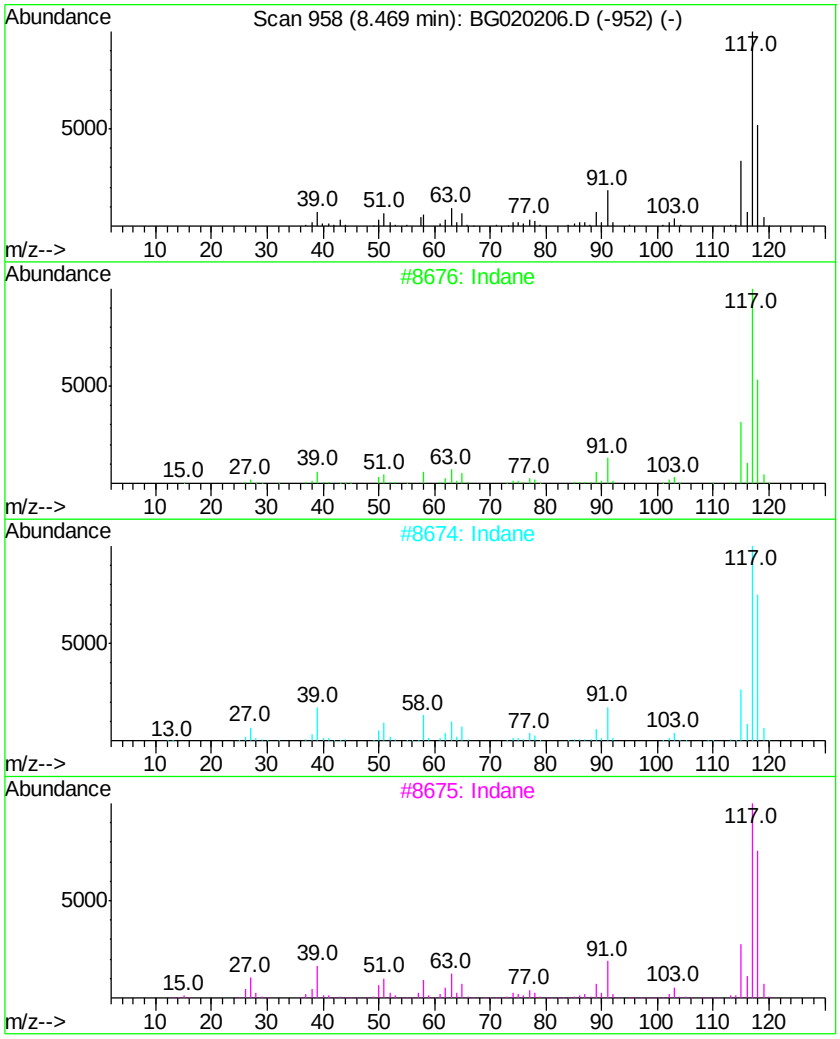
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

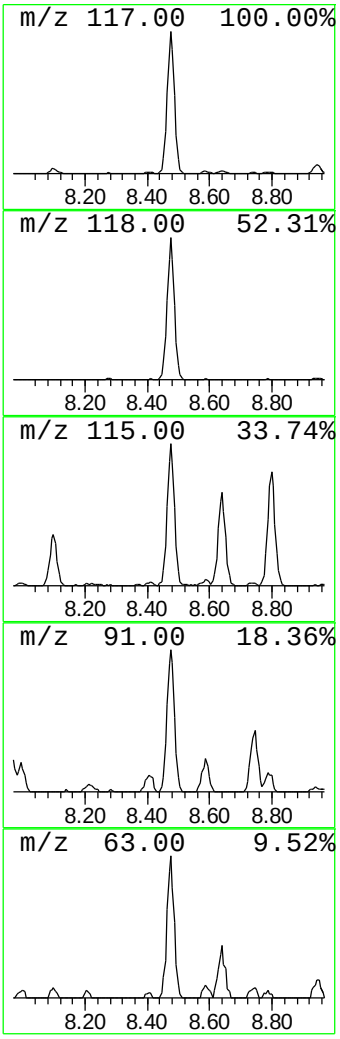
****

Peak Number 30 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.47	49.07 ng/ul	344600	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane	118	C9H10	000496-11-7	91
3	Indane	118	C9H10	000496-11-7	90
4	cis-.beta.-Methylstyrene	118	C9H10	000766-90-5	74
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72





Library Search Compound Report

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Data File : BG020206.D
Acq On : 16 Dec 2015 1:56
Operator : UM/SJ
Sample : G4786-17
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9C90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

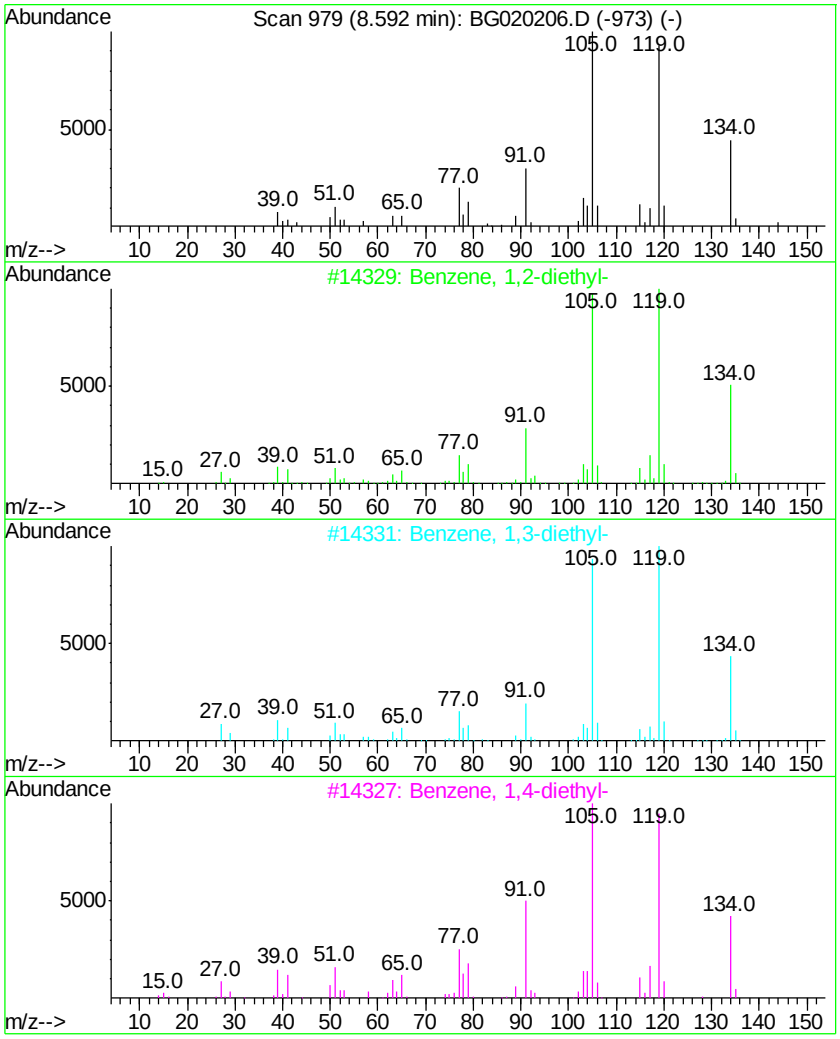
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

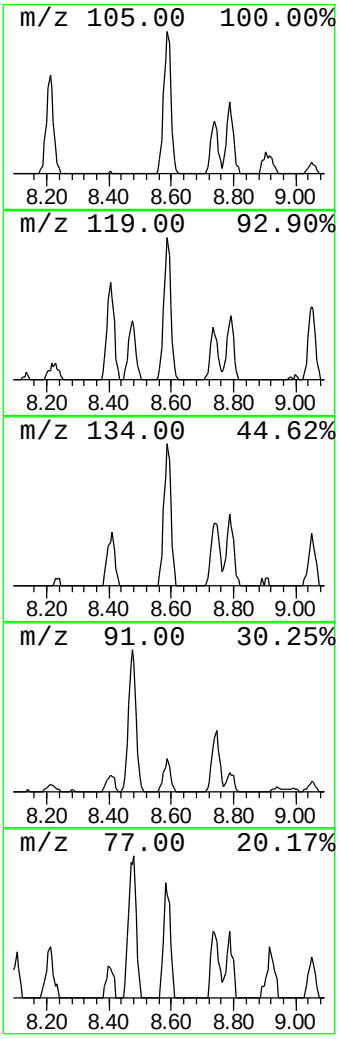
****

Peak Number 31 Benzene, 1,2-diethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	7.89 ng/ul	55384	1,4-Dichlorobenzene-d4	8.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	97
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
5	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121615\
Data File : BG020206.D
Acq On : 16 Dec 2015 1:56
Operator : UM/SJ
Sample : G4786-17
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9C90

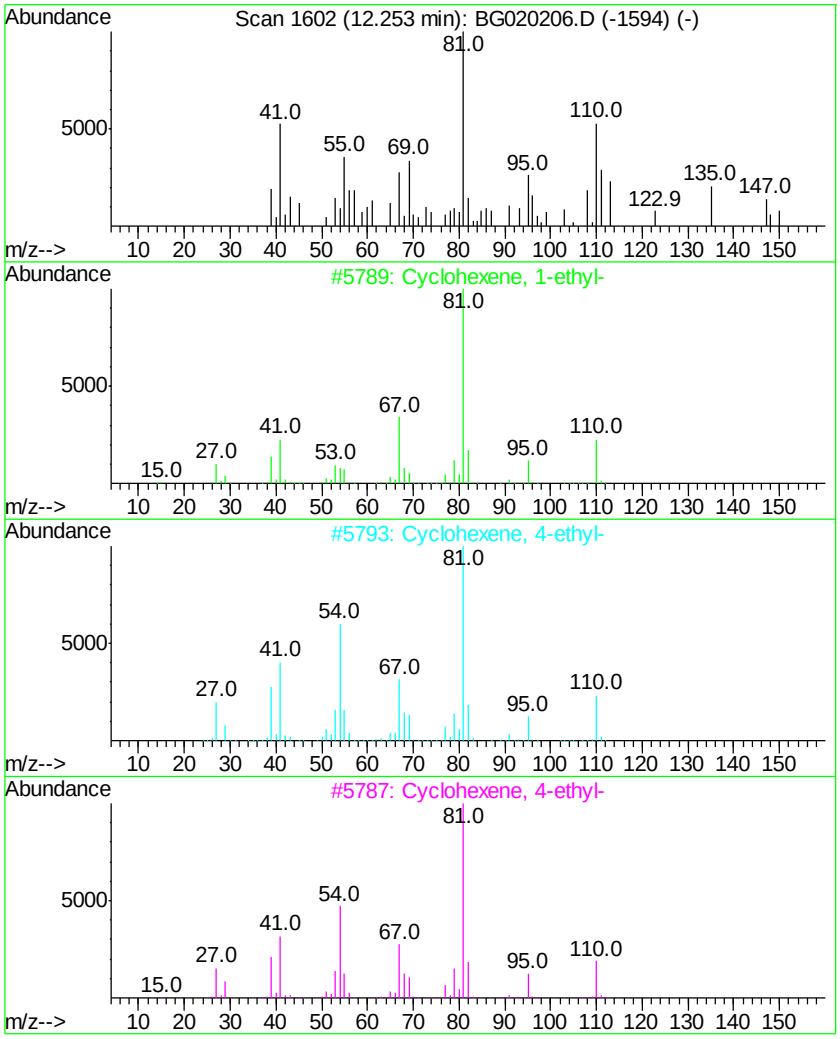
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

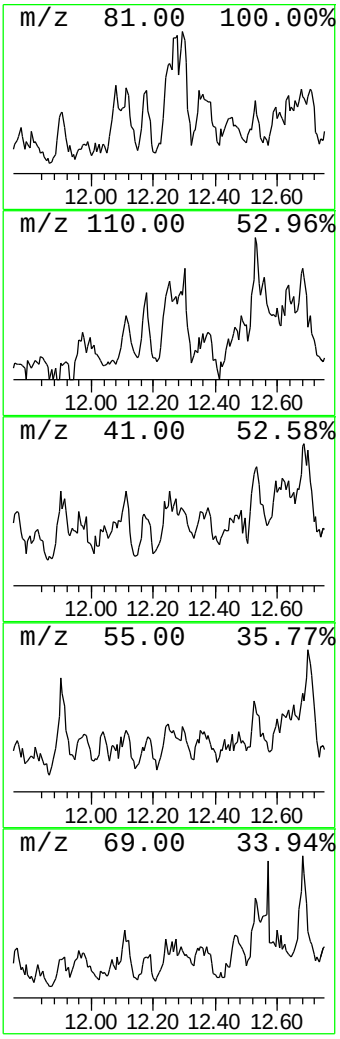
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 53 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	2.77 ng/ul	35184	Naphthalene-d8	10.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	49
2	Cyclohexene, 4-ethyl-	110	C8H14	003742-42-5	49
3	Cyclohexene, 4-ethyl-	110	C8H14	003742-42-5	47
4	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	47
5	Cyclohexane, ethylidene-	110	C8H14	001003-64-1	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121615\
Data File : BG020206.D
Acq On : 16 Dec 2015 1:56
Operator : UM/SJ
Sample : G4786-17
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9C90

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.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
Butane, 2-methoxy...	3.20	8.8	ng/ul	62140	1	8.10	140452	20.0
(DEL) Alkane: Cyc...	3.35	2.2	ng/ul	15221	1	8.10	140452	20.0
(DEL) Alkane: Cyc...	3.75	17.4	ng/ul	121863	1	8.10	140452	20.0
Cyclobutane, (1-m...	4.01	3.0	ng/ul	21133	1	8.10	140452	20.0
Cyclohexene, 1-me...	4.28	3.7	ng/ul	25774	1	8.10	140452	20.0
(DEL) Alkane: Cyc...	4.42	3.3	ng/ul	23062	1	8.10	140452	20.0
unknown-01	4.56	4.1	ng/ul	28944	1	8.10	140452	20.0
(DEL) Alkane: Cyc...	4.71	3.7	ng/ul	26220	1	8.10	140452	20.0
(DEL) Alkane: Cyc...	5.21	3.9	ng/ul	27241	1	8.10	140452	20.0
unknown-02	5.26	3.1	ng/ul	21905	1	8.10	140452	20.0
Cyclopentanone, 3...	5.37	2.1	ng/ul	14626	1	8.10	140452	20.0
4-Hexen-1-ol, ace...	5.78	2.8	ng/ul	19808	1	8.10	140452	20.0
(DEL) Alkane: Bra...	5.97	3.6	ng/ul	25264	1	8.10	140452	20.0
Cyclohexanone	6.12	11.9	ng/ul	83535	1	8.10	140452	20.0
unknown-03	6.35	2.3	ng/ul	16073	1	8.10	140452	20.0
Benzene, (1-methy...	6.57	20.6	ng/ul	144386	1	8.10	140452	20.0
(DEL) Alkane: Cyc...	6.72	3.1	ng/ul	21842	1	8.10	140452	20.0
Cycloheptanone	6.99	3.0	ng/ul	21248	1	8.10	140452	20.0
Cyclohexanone, 3-...	7.07	7.4	ng/ul	51951	1	8.10	140452	20.0
Benzene, 1-ethyl-...	7.48	6.1	ng/ul	42962	1	8.10	140452	20.0
Oxirane, 2-methyl...	7.99	6.0	ng/ul	41842	1	8.10	140452	20.0
unknown-04	8.16	3.2	ng/ul	22682	1	8.10	140452	20.0
Benzene, 1,3,5-tr...	8.21	4.4	ng/ul	30587	1	8.10	140452	20.0
Benzene, 1-methyl...	8.40	3.0	ng/ul	21268	1	8.10	140452	20.0
Indane	8.47	49.1	ng/ul	344600	1	8.10	140452	20.0
Benzene, 1,2-diet...	8.59	7.9	ng/ul	55384	1	8.10	140452	20.0
(DEL) Alkane: Str...	12.25	2.8	ng/ul	35184	2	10.91	254224	20.0