LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG091515\
Data File : BG018688.D
Acq On : 15 Sep 2015 18:25
Operator : UM/IZ
Sample : G3641-05DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AM3DL

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-BG091015.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	2.888	4	8	10	rVB3	7564	7457	0.17%	0.034%
2	3.106	41	45	52	rBV2	58690	92653	2.16%	0.421%
3	3.182	53	58	72	rVB	709523	970291	22.67%	4.404%
4	3.476	104	108	112	rBV	18481	24828	0.58%	0.113%
5	3.769	151	158	162	rBV7	4749	8540	0.20%	0.039%
6	4.116	213	217	220	rVB5	3158	5130	0.12%	0.023%
7	5.144	389	392	394	rBV4	5236	5313	0.12%	0.024%
8	5.444	436	443	449	rVV	77824	120253	2.81%	0.546%
9	5.937	520	527	536	rVB	278071	467188	10.91%	2.121%
10	6.296	580	588	592	rVB7	6888	15450	0.36%	0.070%
11	6.466	612	617	619	rBV3	3701	4732	0.11%	0.021%
12	6.525	623	627	632	rVB2	8139	12300	0.29%	0.056%
13	7.165	728	736	743	rBV2	28683	58755	1.37%	0.267%
14	7.324	756	763	771	rBV	109441	177418	4.14%	0.805%
15	7.418	771	779	786	rBV	783347	1206741	28.19%	5.478%
16	7.536	792	799	808	rVB2	108441	197860	4.62%	0.898%
17	8.000	871	878	888	rVV	217461	378791	8.85%	1.719%
18	8.423	944	950	957	rBV	332529	551776	12.89%	2.505%
19	8.476	957	959	963	rVB5	4971	6465	0.15%	0.029%
20	8.546	966	971	975	rBV3	3639	4945	0.12%	0.022%
21	8.617	977	983	992	rBV	177391	303019	7.08%	1.375%
22	8.705	992	998	1005	rVB2	86069	152259	3.56%	0.691%
23	9.093	1057	1064	1069	rBV4	3660	9104	0.21%	0.041%
24	9.157	1069	1075	1082	rVB	122590	212764	4.97%	0.966%
25	9.375	1106	1112	1113	rBV3	2964	4745	0.11%	0.022%
26	9.880	1189	1198	1207	rBV2	94869	176644	4.13%	0.802%
27	10.420	1284	1290	1297	rBV	168332	299398	6.99%	1.359%
28	10.608	1315	1322	1328	rVB4	11014	19896	0.46%	0.090%
29	10.808	1347	1356	1363	rBV	318307	575848	13.45%	2.614%
30	10.943	1371	1379	1383	rBV5	9707	18958	0.44%	0.086%
31	11.126	1401	1410	1420	rVB	182892	320831	7.49%	1.456%
32	11.930	1538	1547	1553	rBV	2633162	4280929	100.00%	19.432%
33	12.007	1555	1560	1567	rVB3	24232	42213	0.99%	0.192%
34	12.136	1578	1582	1583	rBV3	9644	12093	0.28%	0.055%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG091515\
Data File : BG018688.D
Acq On : 15 Sep 2015 18:25
Operator : UM/IZ
Sample : G3641-05DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AM3DL

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-BG091015.M
Title : SVOA CALIBRATION

35	12.160	1583	1586	1594	rVB2	15029	29629	0.69%	0.134%
36	12.888	1704	1710	1713	rBV3	4919	8903	0.21%	0.040%
37	13.194	1761	1762	1766	rVV3	5152	6721	0.16%	0.031%
38	13.235	1766	1769	1772	rVV4	3456	5157	0.12%	0.023%
39	13.482	1806	1811	1814	rVB3	4460	6824	0.16%	0.031%
40	13.617	1832	1834	1843	rVB6	6549	11747	0.27%	0.053%
41	13.840	1867	1872	1873	rBV3	4526	4946	0.12%	0.022%
42	13.875	1875	1878	1880	rVV3	4794	5498	0.13%	0.025%
43	13.940	1884	1889	1893	rVV2	15968	27927	0.65%	0.127%
44	13.987	1893	1897	1899	rVV3	13401	20388	0.48%	0.093%
45	14.028	1899	1904	1910	rVV	358426	493157	11.52%	2.239%
46	14.322	1948	1954	1963	rVB	405784	635238	14.84%	2.884%
47	14.627	1995	2006	2015	rBV2	595310	985825	23.03%	4.475%
48	14.768	2027	2030	2034	rBV5	4298	5625	0.13%	0.026%
49	14.821	2034	2039	2046	rBV3	18946	37666	0.88%	0.171%
50	14.927	2053	2057	2064	rVB6	4858	7575	0.18%	0.034%
51	15.021	2069	2073	2079	rBV6	5795	10177	0.24%	0.046%
52	15.103	2082	2087	2092	rVB	37546	54811	1.28%	0.249%
53	15.620	2168	2175	2182	rBV	557904	860910	20.11%	3.908%
54	15.726	2188	2193	2199	rBV	118096	178063	4.16%	0.808%
55	15.855	2210	2215	2218	rVB6	7903	12231	0.29%	0.056%
56	16.026	2240	2244	2247	rBV5	4033	5312	0.12%	0.024%
57	16.120	2256	2260	2266	rVB2	10290	13832	0.32%	0.063%
58	16.196	2269	2273	2278	rVV4	5259	7589	0.18%	0.034%
59	16.507	2320	2326	2329	rBV3	6054	6391	0.15%	0.029%
60	16.631	2342	2347	2352	rVB3	6556	9728	0.23%	0.044%
61	16.919	2389	2396	2401	rBV3	42718	64747	1.51%	0.294%
62	17.048	2413	2418	2423	rBV7	8363	12539	0.29%	0.057%
63	17.154	2429	2436	2442	rBV4	6726	12925	0.30%	0.059%
64	17.371	2466	2473	2480	rBV	831251	1238060	28.92%	5.620%
65	17.424	2480	2482	2484	rVV3	8482	10170	0.24%	0.046%
66	17.465	2484	2489	2498	rVB	646856	959034	22.40%	4.353%
67	18.070	2587	2592	2598	rBV	64089	102135	2.39%	0.464%
68	18.252	2618	2623	2626	rBV5	7339	9904	0.23%	0.045%
69	18.323	2632	2635	2639	rVB3	3332	6092	0.14%	0.028%
70	18.999	2747	2750	2752	rBV4	5827	6059	0.14%	0.028%
71	19.069	2758	2762	2766	rVB6	6008	8488	0.20%	0.039%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG091515\
Data File : BG018688.D
Acq On : 15 Sep 2015 18:25
Operator : UM/IZ
Sample : G3641-05DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AM3DL

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-BG091015.M
Title : SVOA CALIBRATION

72	19.298	2795	2801	2808	rBV3	21711	31119	0.73%	0.141%
73	19.392	2813	2817	2820	rBV5	7806	12959	0.30%	0.059%
74	19.522	2835	2839	2842	rVB6	5432	6120	0.14%	0.028%
75	19.645	2856	2860	2864	rVB5	6341	8994	0.21%	0.041%
76	19.751	2868	2878	2885	rBV	815527	1099246	25.68%	4.990%
77	20.421	2991	2992	2997	rVB4	7438	8343	0.19%	0.038%
78	20.567	3015	3017	3021	rBV5	4972	6136	0.14%	0.028%
79	20.679	3031	3036	3041	rBV9	12285	19859	0.46%	0.090%
80	21.237	3130	3131	3134	rVB3	6916	5543	0.13%	0.025%
81	21.625	3190	3197	3204	rBV	892242	1450801	33.89%	6.586%
82	21.936	3245	3250	3255	rBV2	56756	86705	2.03%	0.394%
83	21.989	3258	3259	3264	rVB5	6186	4730	0.11%	0.021%
84	23.470	3508	3511	3514	rBV5	5012	7730	0.18%	0.035%
85	23.540	3521	3523	3525	rBV3	4652	4772	0.11%	0.022%
86	23.670	3542	3545	3546	rBV3	4727	5450	0.13%	0.025%
87	24.281	3647	3649	3652	rVB4	5293	5218	0.12%	0.024%
88	24.592	3689	3702	3715	rBV2	395367	1110531	25.94%	5.041%
89	24.698	3718	3720	3724	rBV5	4322	4794	0.11%	0.022%
90	24.815	3729	3740	3752	rBV2	508827	1452398	33.93%	6.593%
91	24.997	3769	3771	3778	rBV7	5705	9676	0.23%	0.044%
92	25.197	3804	3805	3807	rBV2	6355	5998	0.14%	0.027%
93	25.321	3824	3826	3828	rVB3	6406	5184	0.12%	0.024%
94	25.656	3881	3883	3888	rVB6	8130	11686	0.27%	0.053%
95	26.396	4008	4009	4013	rBV4	6156	7134	0.17%	0.032%
96	27.265	4152	4157	4158	rBV5	7094	9928	0.23%	0.045%
97	27.289	4159	4161	4162	rVV2	8663	5414	0.13%	0.025%
98	29.463	4529	4531	4535	rVB4	6587	5719	0.13%	0.026%
99	30.844	4764	4766	4768	rBV3	5731	5017	0.12%	0.023%
100	32.401	5029	5031	5033	rBV2	4869	5153	0.12%	0.023%

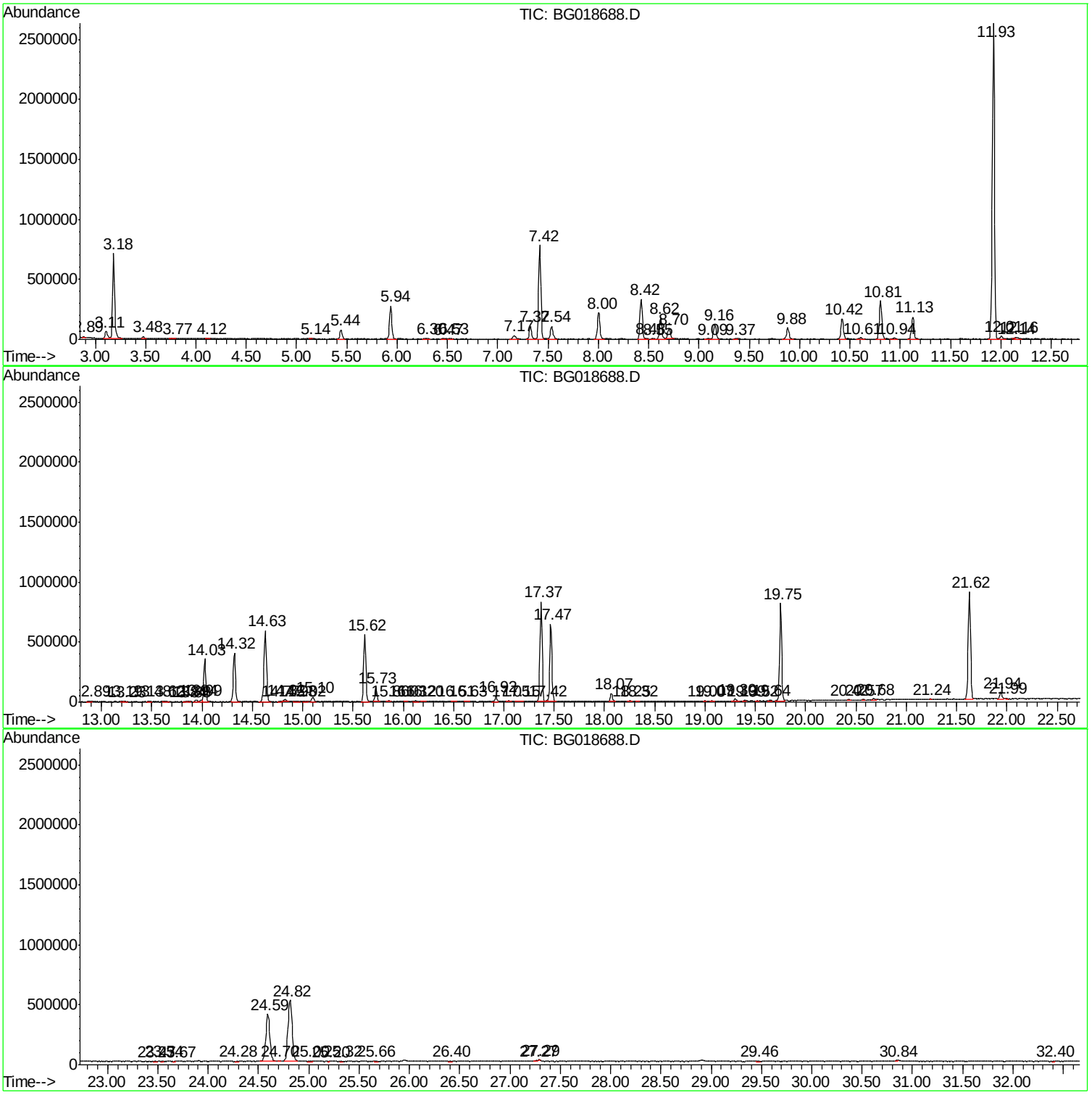
Sum of corrected areas: 22029967

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG091515\
Data File : BG018688.D
Acq On : 15 Sep 2015 18:25
Operator : UM/IZ
Sample : G3641-05DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B0AM3DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG091515\
Data File : BG018688.D
Acq On : 15 Sep 2015 18:25
Operator : UM/IZ
Sample : G3641-05DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AM3DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

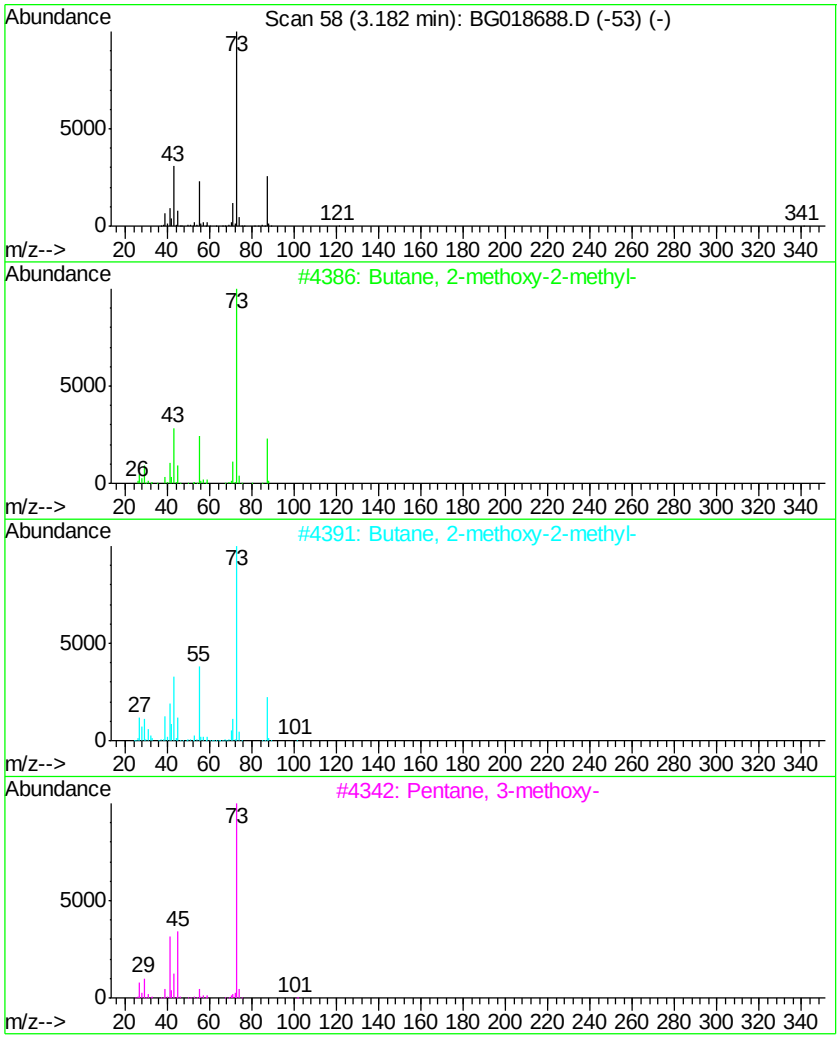
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

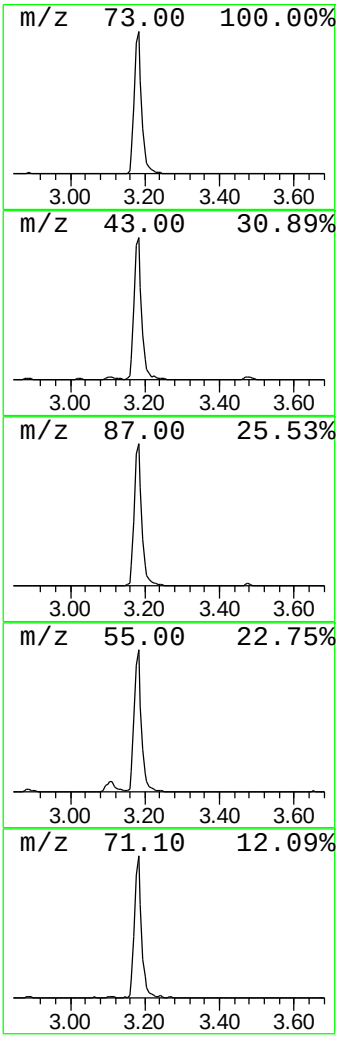
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.18	51.23 ng/ul	970291	1,4-Dichlorobenzene-d4	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	74
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG091515\
Data File : BG018688.D
Acq On : 15 Sep 2015 18:25
Operator : UM/IZ
Sample : G3641-05DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AM3DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

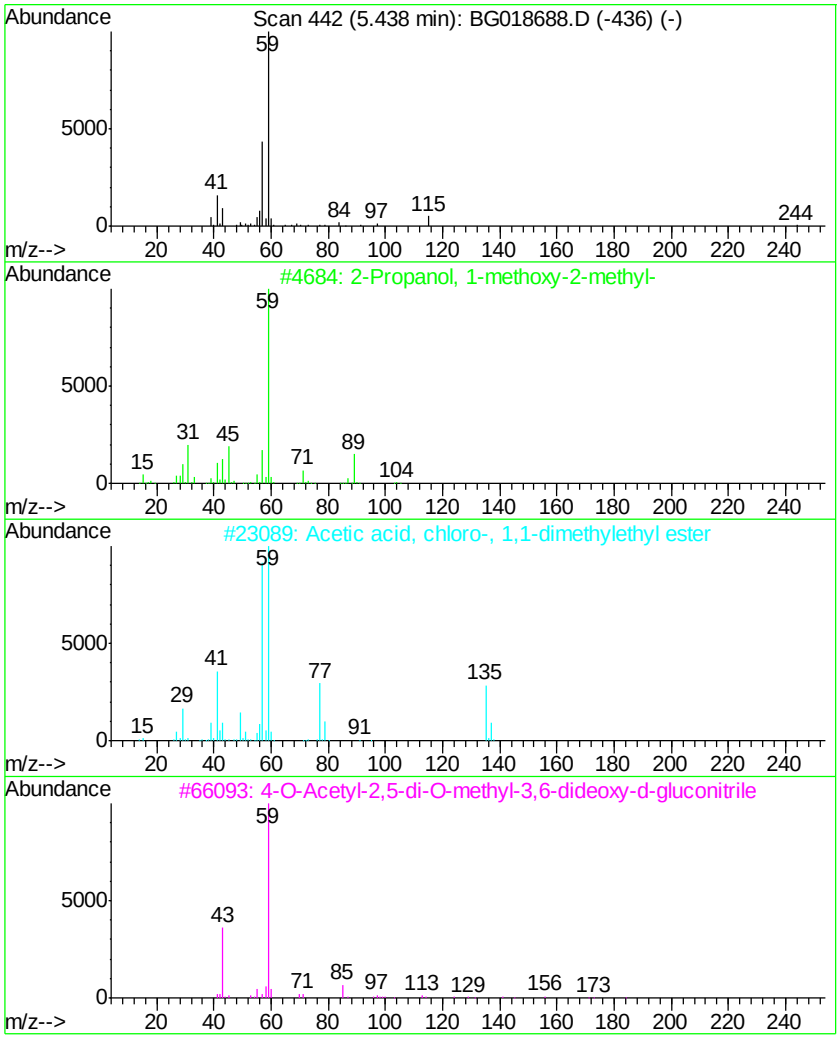
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

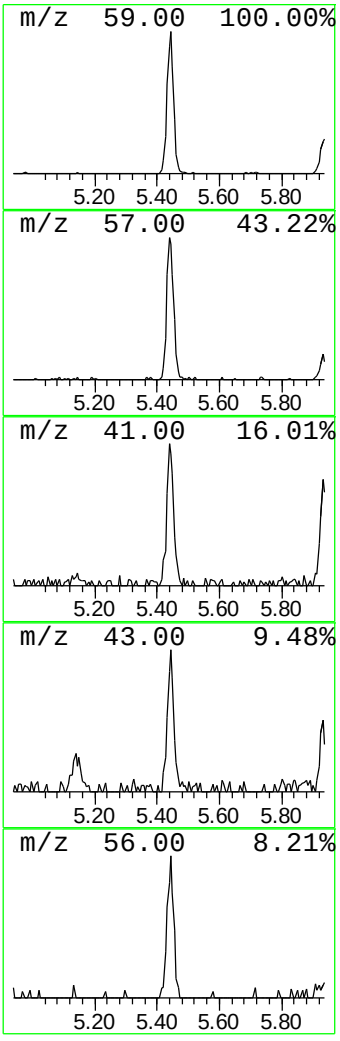
****

Peak Number 3 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.44	6.35 ng/ul	120253	1,4-Dichlorobenzene-d4	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-methoxy-2-methyl-	104	C5H12O2	003587-64-2	45
2	Acetic acid, chloro-, 1,1-dimeth...	150	C6H11ClO2	000107-59-5	40
3	4-O-Acetyl-2,5-di-O-methyl-3,6-d...	215	C10H17NO4	1000101-80-3	38
4	2-Butanol, 1-methoxy-	104	C5H12O2	053778-73-7	9
5	2-Butanol, 3-methoxy-	104	C5H12O2	053778-72-6	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG091515\
Data File : BG018688.D
Acq On : 15 Sep 2015 18:25
Operator : UM/IZ
Sample : G3641-05DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AM3DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

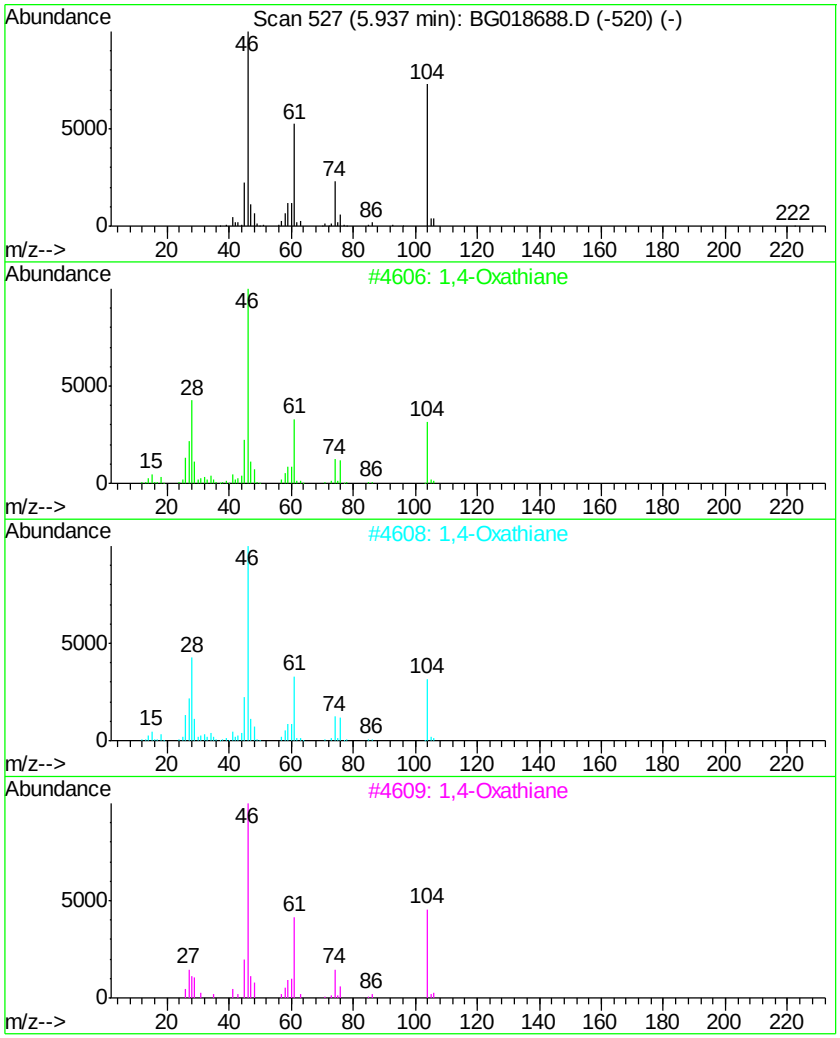
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

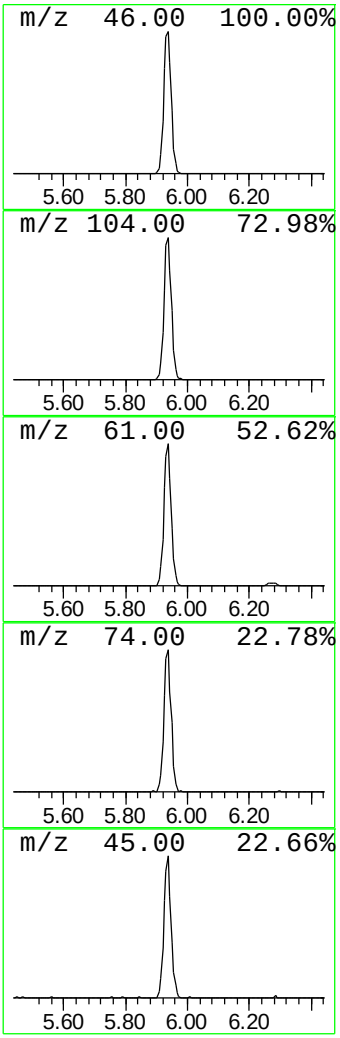
****

Peak Number 4 1,4-Oxathiane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.94	24.67 ng/ul	467188	1,4-Dichlorobenzene-d4	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Oxathiane	104	C4H8OS	015980-15-1	91
2	1,4-Oxathiane	104	C4H8OS	015980-15-1	91
3	1,4-Oxathiane	104	C4H8OS	015980-15-1	91
4	Thietane	74	C3H6S	000287-27-4	43
5	Thietane	74	C3H6S	000287-27-4	43





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG091515\
Data File : BG018688.D
Acq On : 15 Sep 2015 18:25
Operator : UM/IZ
Sample : G3641-05DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AM3DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

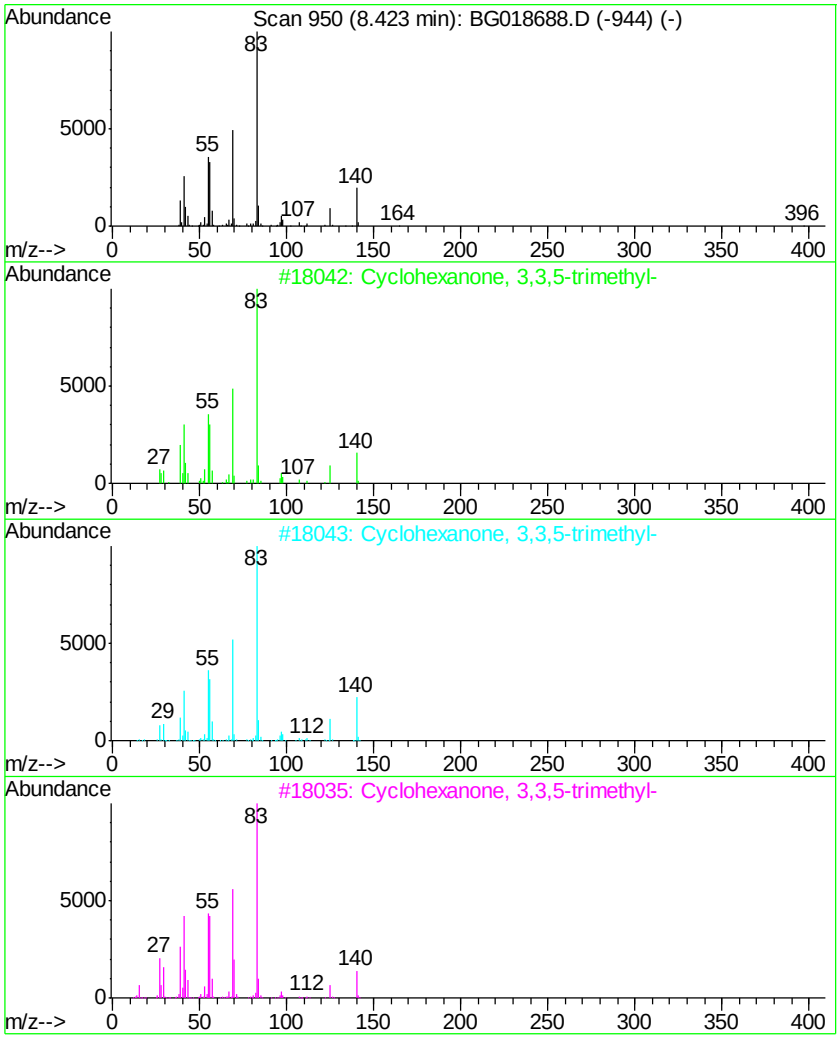
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

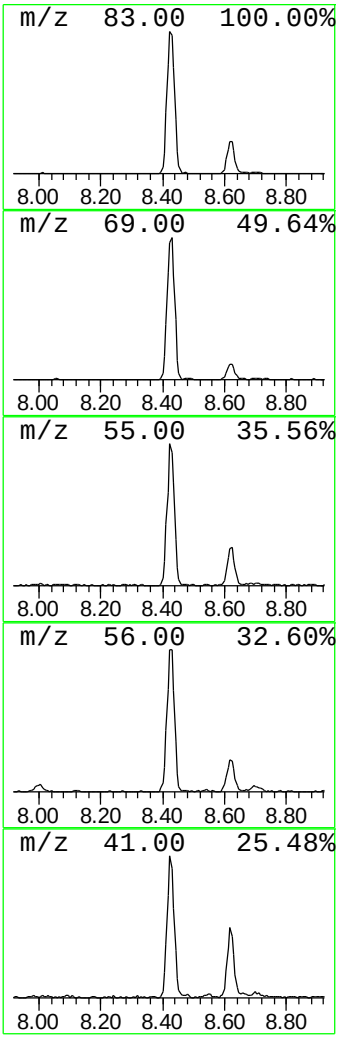
****

Peak Number 5 Cyclohexanone, 3,3,5-trimet... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.42	29.13 ng/ul	551776	1,4-Dichlorobenzene-d4	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	97
2	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	96
3	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	91
4	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	86
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	59





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG091515\
Data File : BG018688.D
Acq On : 15 Sep 2015 18:25
Operator : UM/IZ
Sample : G3641-05DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AM3DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

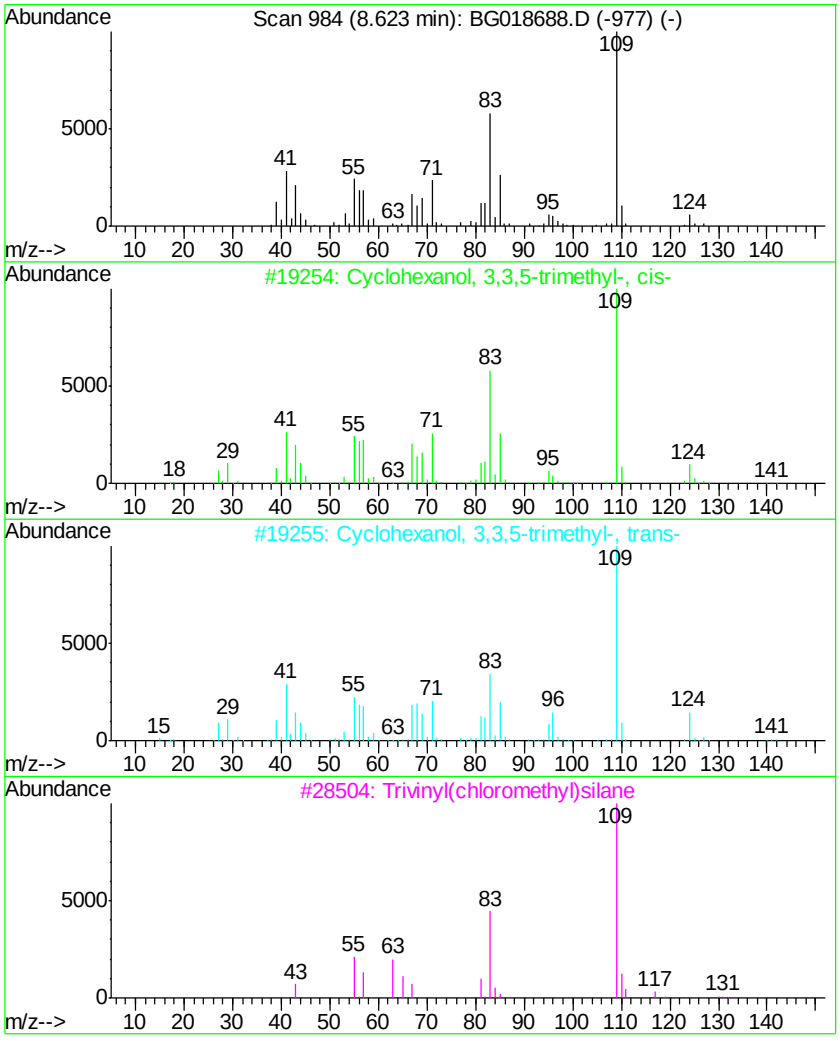
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

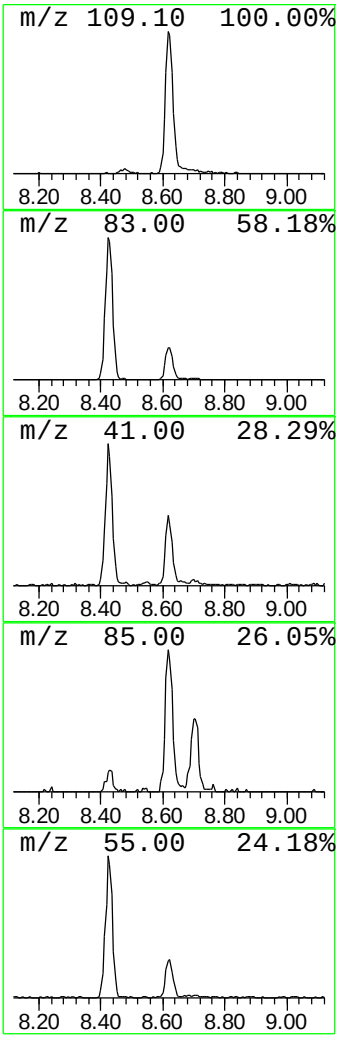
****

Peak Number 6 unknown-02 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.62	16.00 ng/ul	303019	1,4-Dichlorobenzene-d4	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanol, 3,3,5-trimethyl-, ...	142	C9H18O	000933-48-2	43
2	Cyclohexanol, 3,3,5-trimethyl-, ...	142	C9H18O	000767-54-4	42
3	Trivinyl(chloromethyl)silane	158	C7H11ClSi	025202-05-5	40
4	Allyltrivinylsilane	150	C9H14Si	115946-69-5	40
5	Trivinyl(chloromethyl)silane	158	C7H11ClSi	025202-05-5	40





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG091515\
Data File : BG018688.D
Acq On : 15 Sep 2015 18:25
Operator : UM/IZ
Sample : G3641-05DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AM3DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

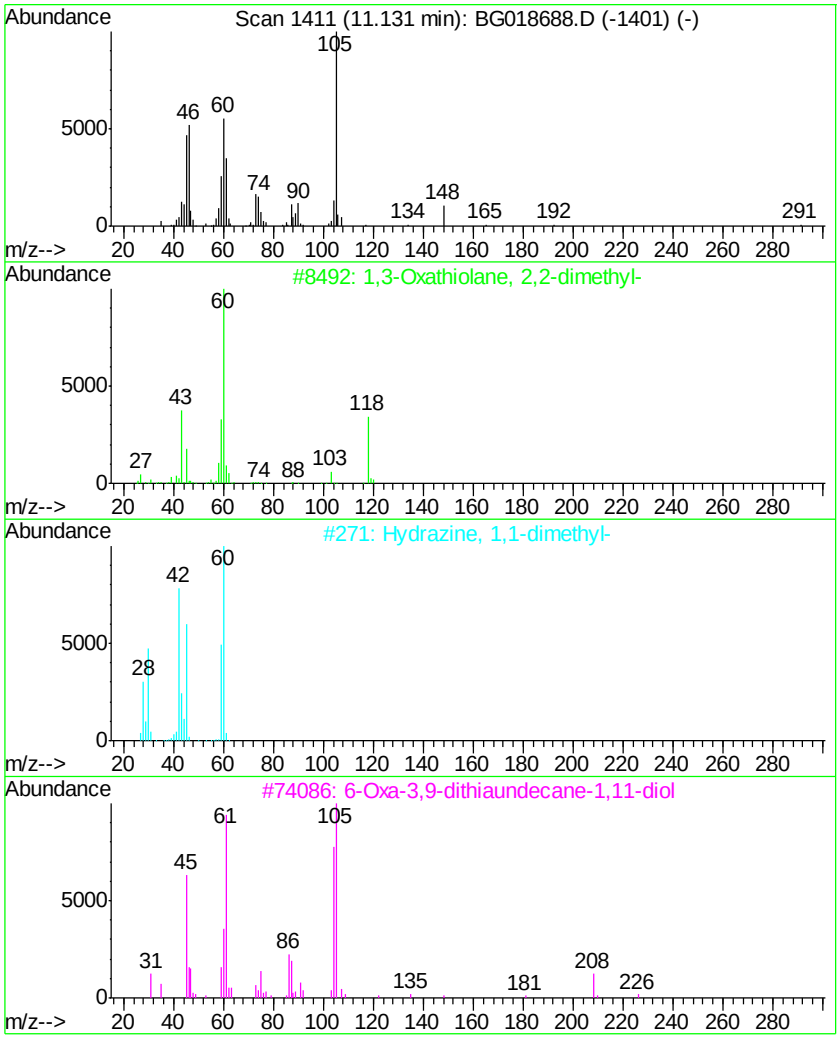
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

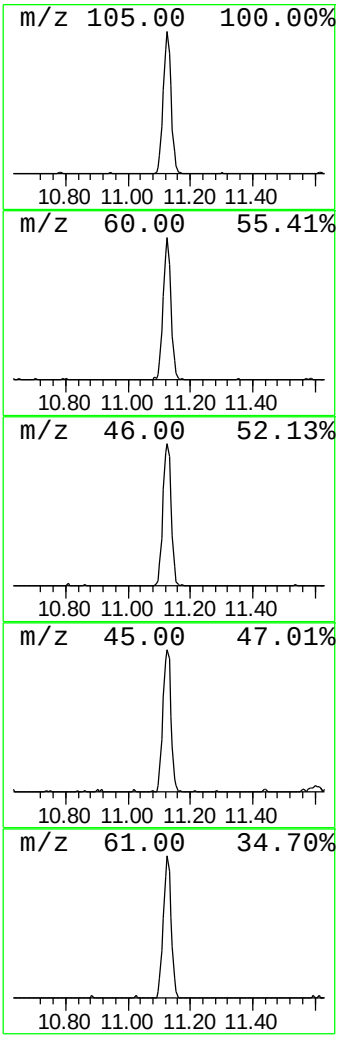
****

Peak Number 7 unknown-03 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	11.14 ng/ul	320831	Naphthalene-d8	10.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Oxathiolane, 2,2-dimethyl-	118	C5H10OS	005684-31-1	38
2	Hydrazine, 1,1-dimethyl-	60	C2H8N2	000057-14-7	38
3	6-Oxa-3,9-dithiaundecane-1,11-diol	226	C8H18O3S2	007426-02-0	25
4	D-Arabino-Hexose, 2-deoxy-, cycl...	408	C16H24O8S2	055955-82-3	25
5	Thiophene, tetrahydro-	88	C4H8S	000110-01-0	23





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG091515\
Data File : BG018688.D
Acq On : 15 Sep 2015 18:25
Operator : UM/IZ
Sample : G3641-05DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AM3DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION

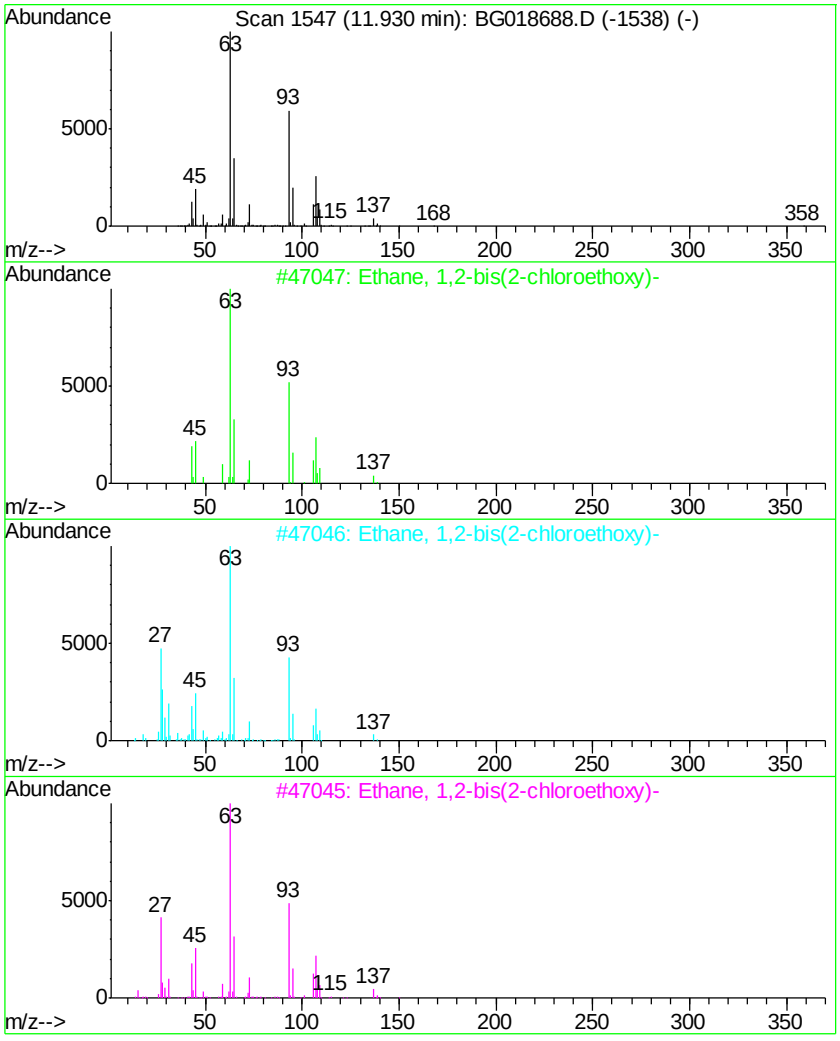
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

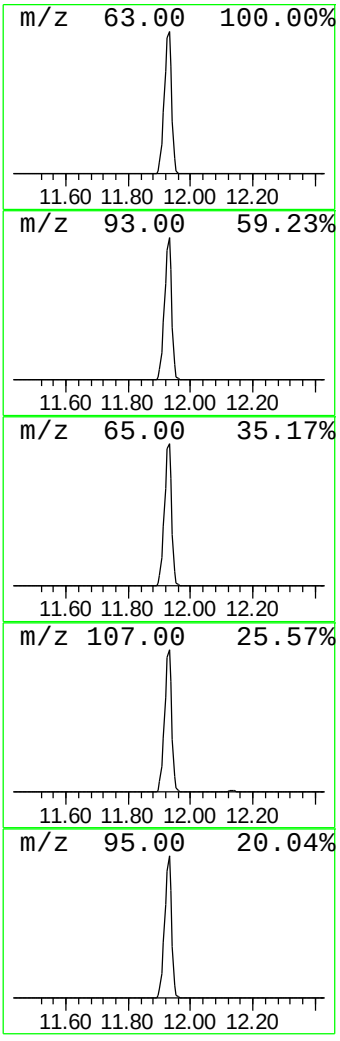
****

Peak Number 8 Ethane, 1,2-bis(2-chloroeth... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	148.68 ng/ul	4280930	Naphthalene-d8	10.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1,2-bis(2-chloroethoxy)-	186	C6H12Cl2O2	000112-26-5	91
2	Ethane, 1,2-bis(2-chloroethoxy)-	186	C6H12Cl2O2	000112-26-5	90
3	Ethane, 1,2-bis(2-chloroethoxy)-	186	C6H12Cl2O2	000112-26-5	78
4	.alpha.-Chloroethyl chloroformate	142	C3H4Cl2O2	050893-53-3	59
5	Methane, bis(2-chloroethoxy)-	172	C5H10Cl2O2	000111-91-1	56





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG091515\
Data File : BG018688.D
Acq On : 15 Sep 2015 18:25
Operator : UM/IZ
Sample : G3641-05DL 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AM3DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.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...	3.18	51.2	ng/ul	970291	1	8.00	378791	20.0
unknown-01	5.44	6.3	ng/ul	120253	1	8.00	378791	20.0
1,4-Oxathiane	5.94	24.7	ng/ul	467188	1	8.00	378791	20.0
Cyclohexanone, 3,...	8.42	29.1	ng/ul	551776	1	8.00	378791	20.0
unknown-02	8.62	16.0	ng/ul	303019	1	8.00	378791	20.0
unknown-03	11.13	11.1	ng/ul	320831	2	10.81	575848	20.0
Ethane, 1,2-bis(2...	11.93	148.7	ng/ul	4280930	2	10.81	575848	20.0