LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG091515\
Data File : BG018682.D
Acq On : 15 Sep 2015 14:37
Operator : UM/IZ
Sample : G3641-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AM0

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	2.885	5	8	13	rVB2	24013	29285	0.84%	0.102%
2	3.109	40	46	53	rBV	96447	162297	4.66%	0.564%
3	3.179	53	58	72	rVB	1404188	1855373	53.24%	6.452%
4	3.473	104	108	114	rVB	29165	41089	1.18%	0.143%
5	3.767	155	158	165	rVB3	4589	7873	0.23%	0.027%
6	4.113	210	217	222	rBV6	6453	13144	0.38%	0.046%
7	4.301	248	249	257	rVB4	3720	5032	0.14%	0.017%
8	5.148	389	393	398	rVB5	5169	7485	0.21%	0.026%
9	5.447	437	444	451	rBV	44676	72426	2.08%	0.252%
10	5.882	513	518	520	rBV5	3014	4571	0.13%	0.016%
11	5.935	520	527	537	rVB	208996	348801	10.01%	1.213%
12	6.293	580	588	592	rVV7	6527	14542	0.42%	0.051%
13	6.522	623	627	634	rVB4	6099	12476	0.36%	0.043%
14	7.163	728	736	747	rBV2	59201	117884	3.38%	0.410%
15	7.321	755	763	772	rBV	208806	350752	10.06%	1.220%
16	7.421	772	780	788	rVB	725920	1133210	32.52%	3.941%
17	7.533	793	799	809	rVB	211237	377962	10.85%	1.314%
18	8.003	870	879	886	rBV	233144	386034	11.08%	1.342%
19	8.238	916	919	926	rVB6	4061	7040	0.20%	0.024%
20	8.426	943	951	958	rBV	425609	696950	20.00%	2.424%
21	8.473	958	959	964	rVB4	5853	6327	0.18%	0.022%
22	8.544	967	971	975	rBV5	2849	4605	0.13%	0.016%
23	8.620	977	984	991	rBV	161580	261376	7.50%	0.909%
24	8.702	992	998	1006	rVB2	189291	326937	9.38%	1.137%
25	9.160	1069	1076	1085	rVV	246085	426587	12.24%	1.484%
26	9.372	1109	1112	1116	rVV4	4568	6269	0.18%	0.022%
27	9.448	1119	1125	1133	rVB4	15871	27839	0.80%	0.097%
28	9.883	1191	1199	1207	rBV	202487	357427	10.26%	1.243%
29	10.424	1284	1291	1298	rBV	351340	613832	17.61%	2.135%
30	10.477	1298	1300	1304	rVV5	3564	5169	0.15%	0.018%
31	10.518	1304	1307	1312	rVB5	2942	4781	0.14%	0.017%
32	10.806	1348	1356	1364	rBV	341662	595639	17.09%	2.071%
33	11.129	1403	1411	1422	rBV	108350	198199	5.69%	0.689%
34	11.440	1461	1464	1468	rVB4	4459	6150	0.18%	0.021%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG091515\
Data File : BG018682.D
Acq On : 15 Sep 2015 14:37
Operator : UM/IZ
Sample : G3641-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AM0

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	11.569	1482	1486	1487	rBV2	4649	4966	0.14%	0.017%
36	11.593	1487	1490	1499	rVB7	4024	8826	0.25%	0.031%
37	11.740	1508	1515	1516	rBV4	3347	4785	0.14%	0.017%
38	11.928	1538	1547	1554	rBV	2243498	3485105	100.00%	12.120%
39	12.010	1557	1561	1571	rVB4	8794	13929	0.40%	0.048%
40	12.157	1581	1586	1592	rBV3	14223	24754	0.71%	0.086%
41	12.880	1705	1709	1713	rVB3	13812	19498	0.56%	0.068%
42	13.203	1760	1764	1766	rBV3	3858	6073	0.17%	0.021%
43	13.238	1766	1770	1773	rVB3	5416	7983	0.23%	0.028%
44	13.984	1893	1897	1898	rBV2	5364	4884	0.14%	0.017%
45	14.031	1898	1905	1911	rVB	677342	994128	28.53%	3.457%
46	14.319	1947	1954	1963	rVV	837253	1295844	37.18%	4.506%
47	14.631	1998	2007	2015	rBV2	600929	985526	28.28%	3.427%
48	14.772	2025	2031	2034	rVB5	4039	6614	0.19%	0.023%
49	14.819	2034	2039	2047	rBV2	48701	93294	2.68%	0.324%
50	15.030	2069	2075	2077	rBV4	4392	6317	0.18%	0.022%
51	15.101	2082	2087	2092	rVB	41996	55507	1.59%	0.193%
52	15.430	2137	2143	2148	rBV5	5268	10633	0.31%	0.037%
53	15.618	2168	2175	2183	rBV	1197590	1727675	49.57%	6.008%
54	15.729	2188	2194	2202	rVV	269244	386816	11.10%	1.345%
55	15.853	2210	2215	2219	rVB5	12089	18774	0.54%	0.065%
56	16.017	2239	2243	2248	rVB8	5432	6984	0.20%	0.024%
57	16.123	2256	2261	2264	rVB3	6459	10014	0.29%	0.035%
58	16.505	2320	2326	2331	rBV3	9882	14879	0.43%	0.052%
59	16.922	2392	2397	2404	rVB6	22343	36842	1.06%	0.128%
60	17.051	2414	2419	2423	rVV5	8305	13987	0.40%	0.049%
61	17.163	2434	2438	2440	rBV2	5272	6305	0.18%	0.022%
62	17.369	2466	2473	2480	rBV	858572	1279250	36.71%	4.449%
63	17.427	2480	2483	2484	rVV2	7149	8331	0.24%	0.029%
64	17.468	2484	2490	2500	rVV	1339335	1948766	55.92%	6.777%
65	18.068	2589	2592	2596	rVV4	7229	9331	0.27%	0.032%
66	18.250	2619	2623	2629	rBV8	10848	19266	0.55%	0.067%
67	18.326	2632	2636	2640	rVV	9576	15037	0.43%	0.052%
68	19.002	2747	2751	2755	rBV6	4260	7183	0.21%	0.025%
69	19.172	2776	2780	2783	rBV5	3164	4938	0.14%	0.017%
70	19.296	2798	2801	2804	rBV3	9343	11994	0.34%	0.042%
71	19.525	2838	2840	2843	rVV4	6021	6174	0.18%	0.021%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG091515\
Data File : BG018682.D
Acq On : 15 Sep 2015 14:37
Operator : UM/IZ
Sample : G3641-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AM0

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	19.636	2856	2859	2863	rVB	14335	17695	0.51%	0.062%
73	19.754	2872	2879	2886	rBV	1552551	2201198	63.16%	7.655%
74	20.406	2989	2990	2993	rBV3	6244	5826	0.17%	0.020%
75	20.571	3015	3018	3019	rBV3	8648	8725	0.25%	0.030%
76	20.671	3032	3035	3036	rBV3	5656	5441	0.16%	0.019%
77	20.706	3039	3041	3044	rBV4	5560	7403	0.21%	0.026%
78	21.193	3122	3124	3129	rVB6	4897	6274	0.18%	0.022%
79	21.628	3190	3198	3208	rBV	932301	1507218	43.25%	5.242%
80	21.852	3234	3236	3239	rVB3	7904	7508	0.22%	0.026%
81	21.887	3239	3242	3244	rBV4	6880	8392	0.24%	0.029%
82	21.934	3246	3250	3257	rVV3	37700	65497	1.88%	0.228%
83	22.275	3306	3308	3310	rBV3	4953	5500	0.16%	0.019%
84	22.756	3388	3390	3393	rVB4	5704	5871	0.17%	0.020%
85	22.815	3398	3400	3402	rVB3	6173	4442	0.13%	0.015%
86	22.868	3407	3409	3411	rBV3	4859	5359	0.15%	0.019%
87	23.708	3544	3552	3555	rBV9	14990	35303	1.01%	0.123%
88	24.031	3606	3607	3609	rBV2	4974	4388	0.13%	0.015%
89	24.595	3692	3703	3718	rBV	846016	2263732	64.95%	7.872%
90	24.813	3729	3740	3751	rVV2	513914	1483220	42.56%	5.158%
91	25.259	3815	3816	3819	rVV3	7321	4980	0.14%	0.017%
92	26.910	4095	4097	4099	rVB2	10279	7396	0.21%	0.026%
93	28.262	4325	4327	4329	rBV2	5739	6692	0.19%	0.023%
94	28.544	4373	4375	4376	rVB2	8071	4377	0.13%	0.015%
95	28.914	4436	4438	4443	rVB6	5972	6248	0.18%	0.022%
96	30.107	4640	4641	4644	rBV3	6511	4931	0.14%	0.017%
97	30.982	4788	4790	4792	rVB3	6371	4870	0.14%	0.017%
98	31.793	4926	4928	4933	rBV6	6251	9705	0.28%	0.034%
99	31.916	4947	4949	4951	rBV3	4875	4758	0.14%	0.017%
100	32.016	4962	4966	4969	rBV5	4348	5719	0.16%	0.020%

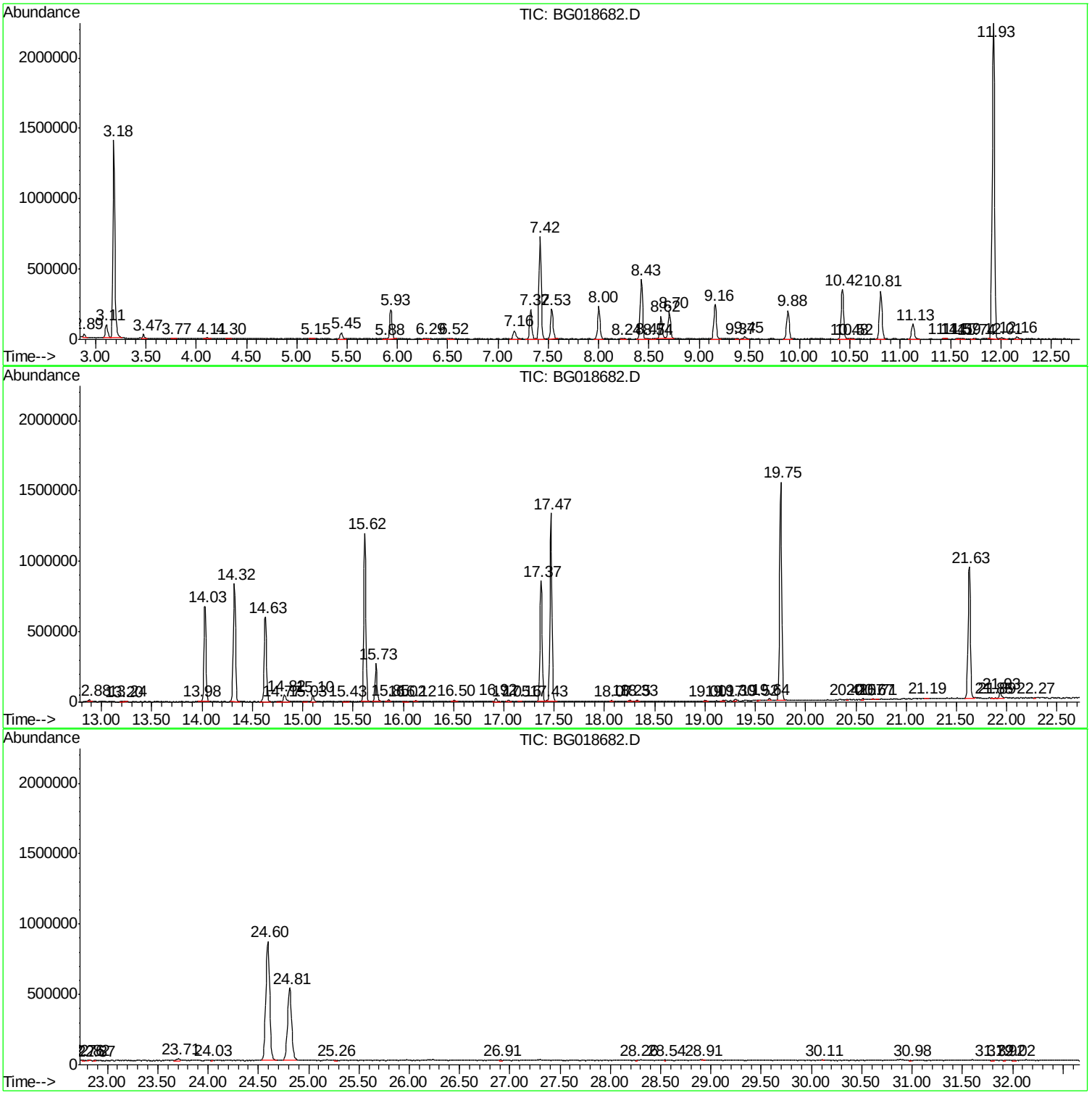
Sum of corrected areas: 28755243

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG091515\
Data File : BG018682.D
Acq On : 15 Sep 2015 14:37
Operator : UM/IZ
Sample : G3641-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B0AM0

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 : BG018682.D
Acq On : 15 Sep 2015 14:37
Operator : UM/IZ
Sample : G3641-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AM0

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

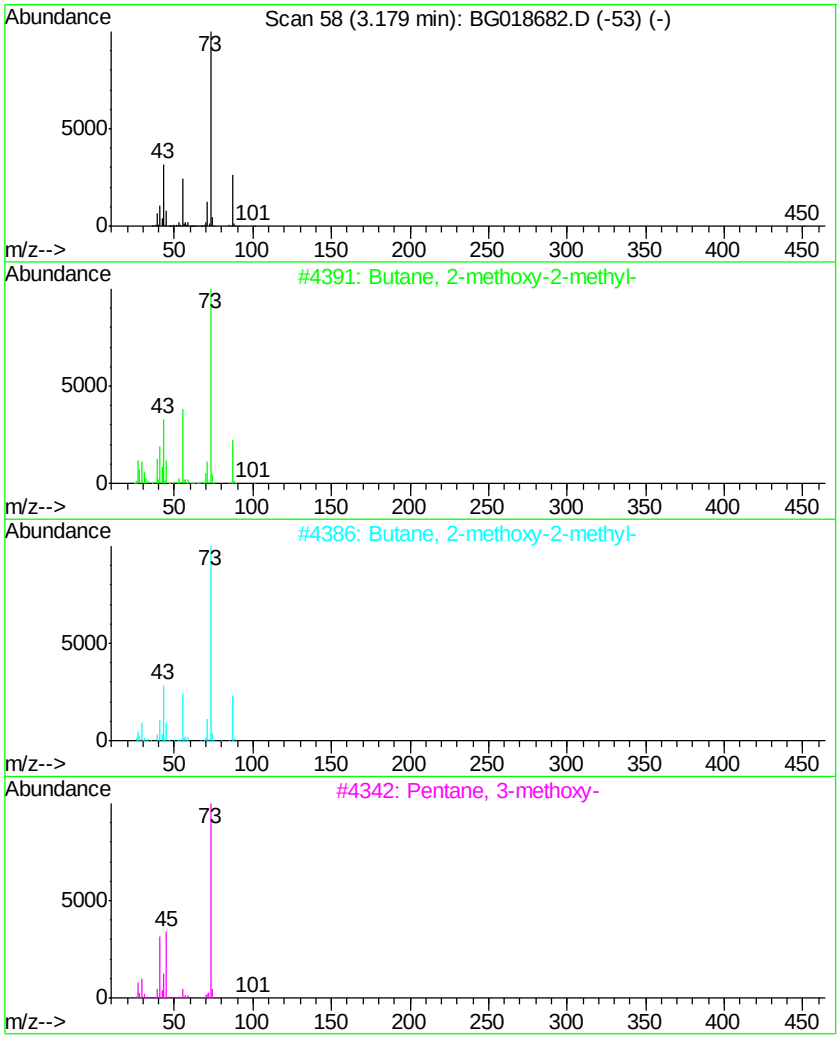
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

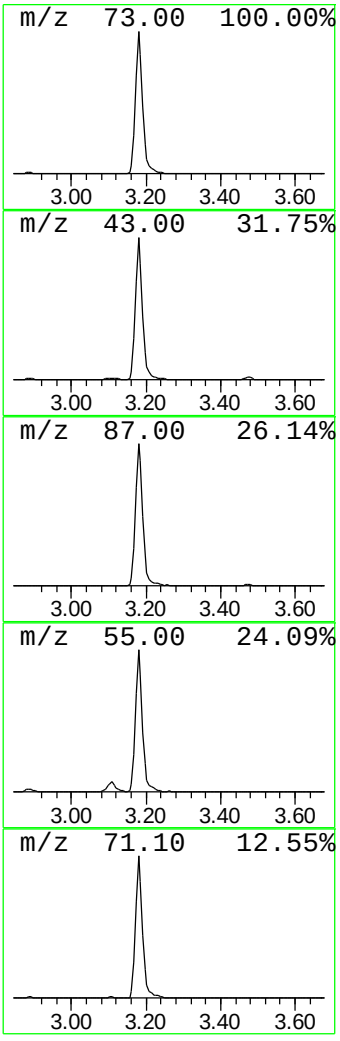
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.18	96.12 ng/ul	1855370	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	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG091515\
Data File : BG018682.D
Acq On : 15 Sep 2015 14:37
Operator : UM/IZ
Sample : G3641-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AM0

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

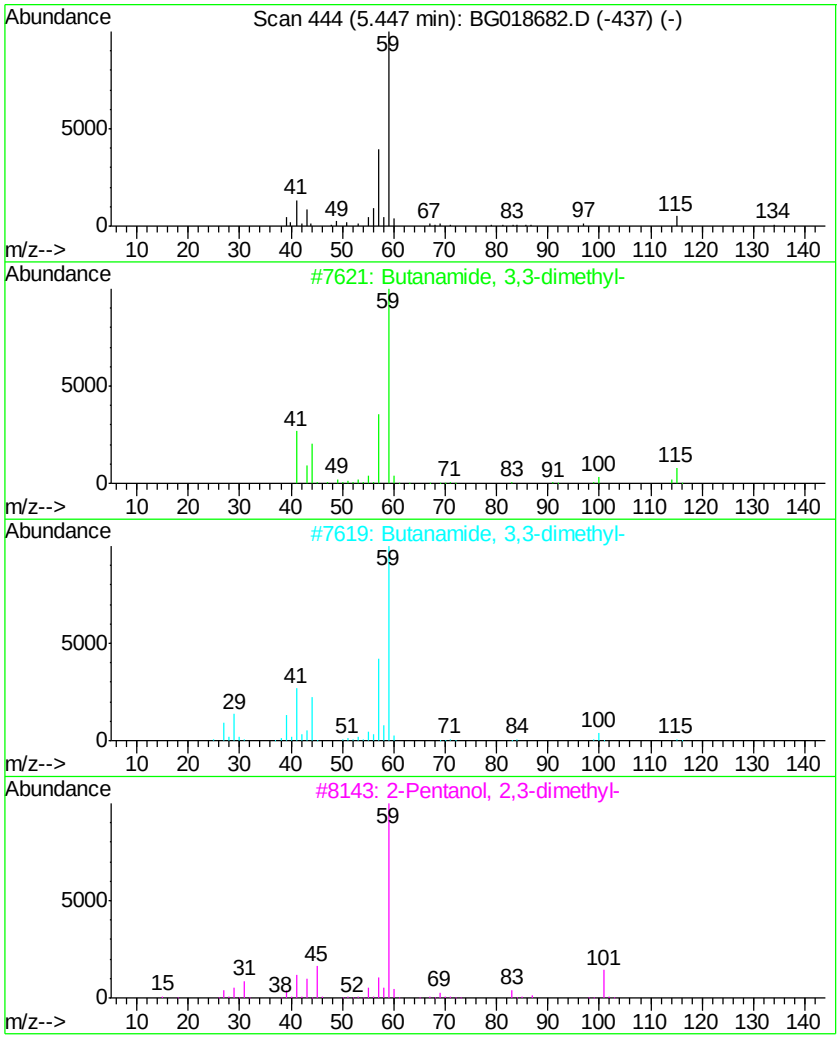
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

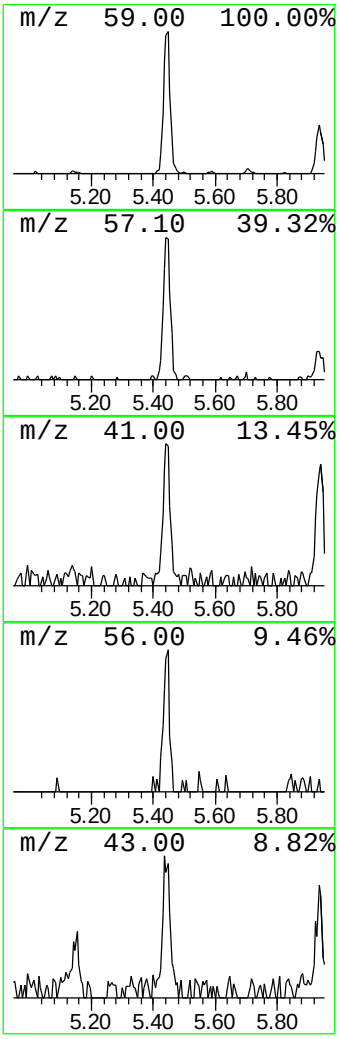
****

Peak Number 3 Butanamide, 3,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.45	3.75 ng/ul	72426	1,4-Dichlorobenzene-d4	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanamide, 3,3-dimethyl-	115	C6H13NO	000926-04-5	72
2	Butanamide, 3,3-dimethyl-	115	C6H13NO	000926-04-5	39
3	2-Pentanol, 2,3-dimethyl-	116	C7H16O	004911-70-0	38
4	4-Methoxy-1-pentene	100	C6H12O	098386-09-5	36
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG091515\
Data File : BG018682.D
Acq On : 15 Sep 2015 14:37
Operator : UM/IZ
Sample : G3641-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AM0

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

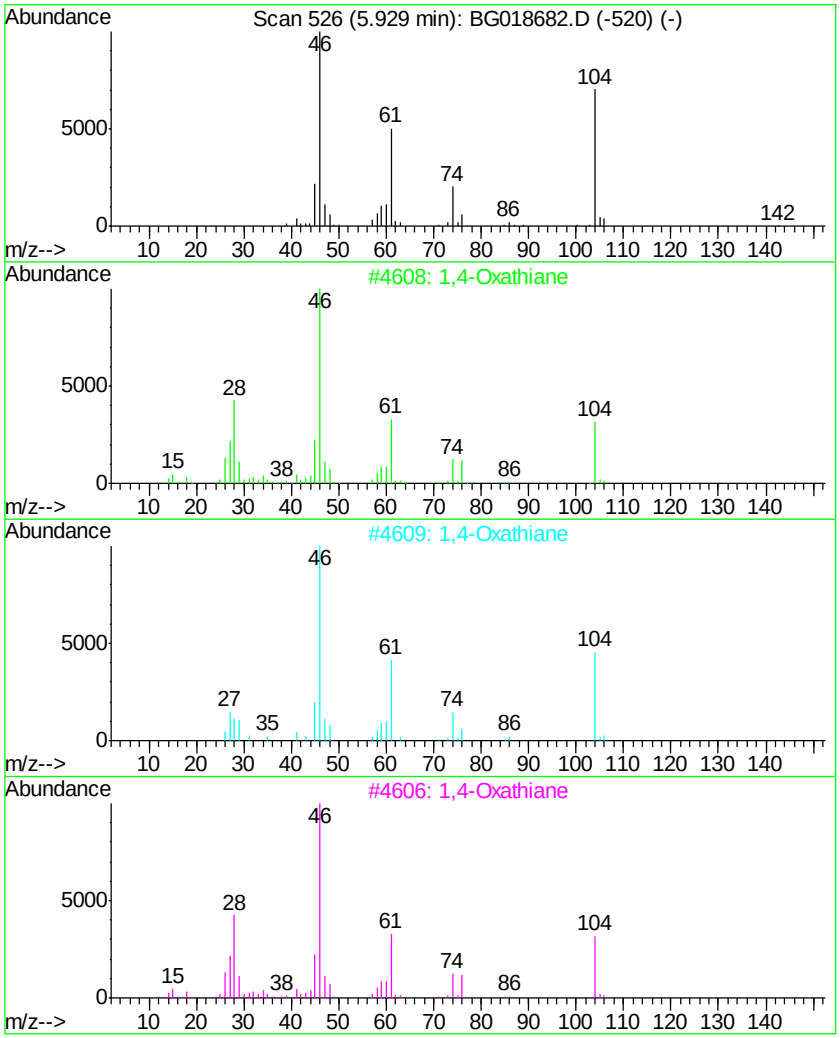
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

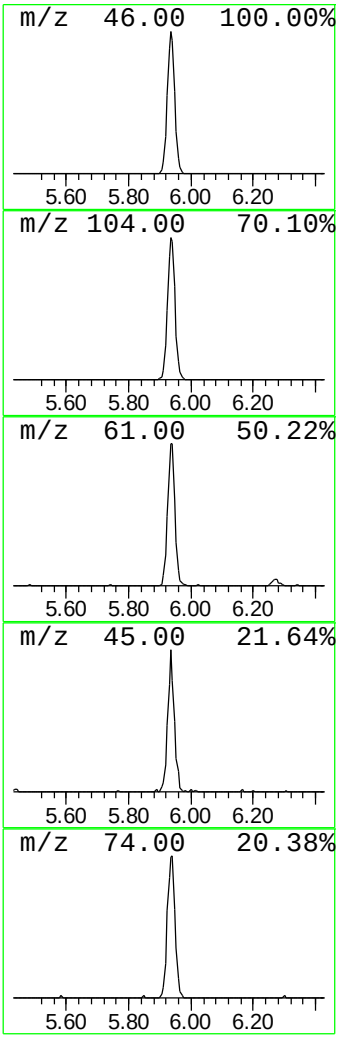
****

Peak Number 4 1,4-Oxathiane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	18.07 ng/ul	348801	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	Dihydro-3-(2H)-thiophenone	102	C4H6OS	001003-04-9	43





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG091515\
Data File : BG018682.D
Acq On : 15 Sep 2015 14:37
Operator : UM/IZ
Sample : G3641-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AM0

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

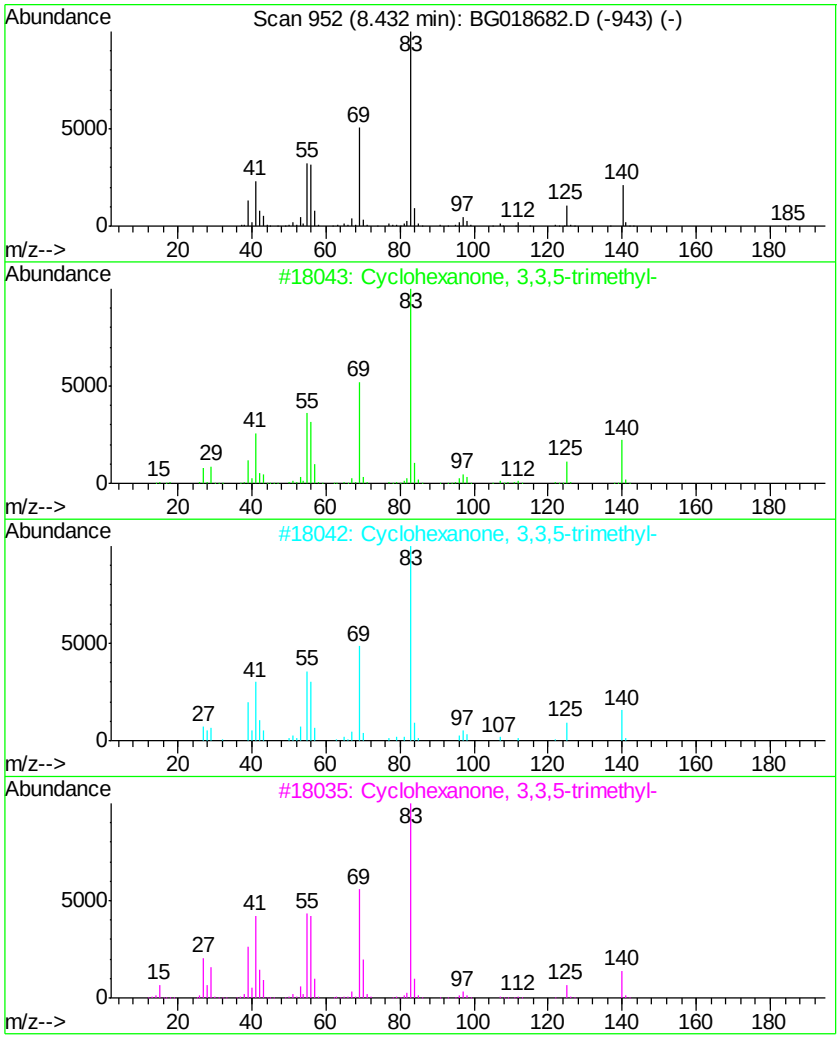
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

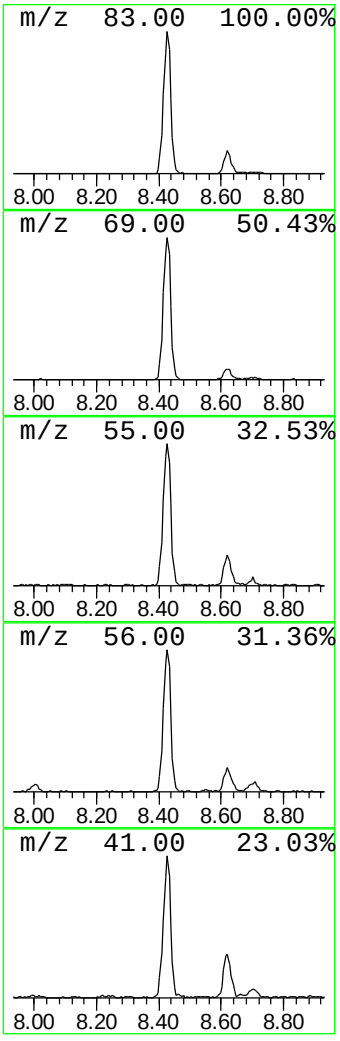
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	36.11 ng/ul	696950	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	96
2	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	95
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	1-Methyl-1H-1,2,4-triazole	83	C3H5N3	006086-21-1	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG091515\
Data File : BG018682.D
Acq On : 15 Sep 2015 14:37
Operator : UM/IZ
Sample : G3641-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AM0

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

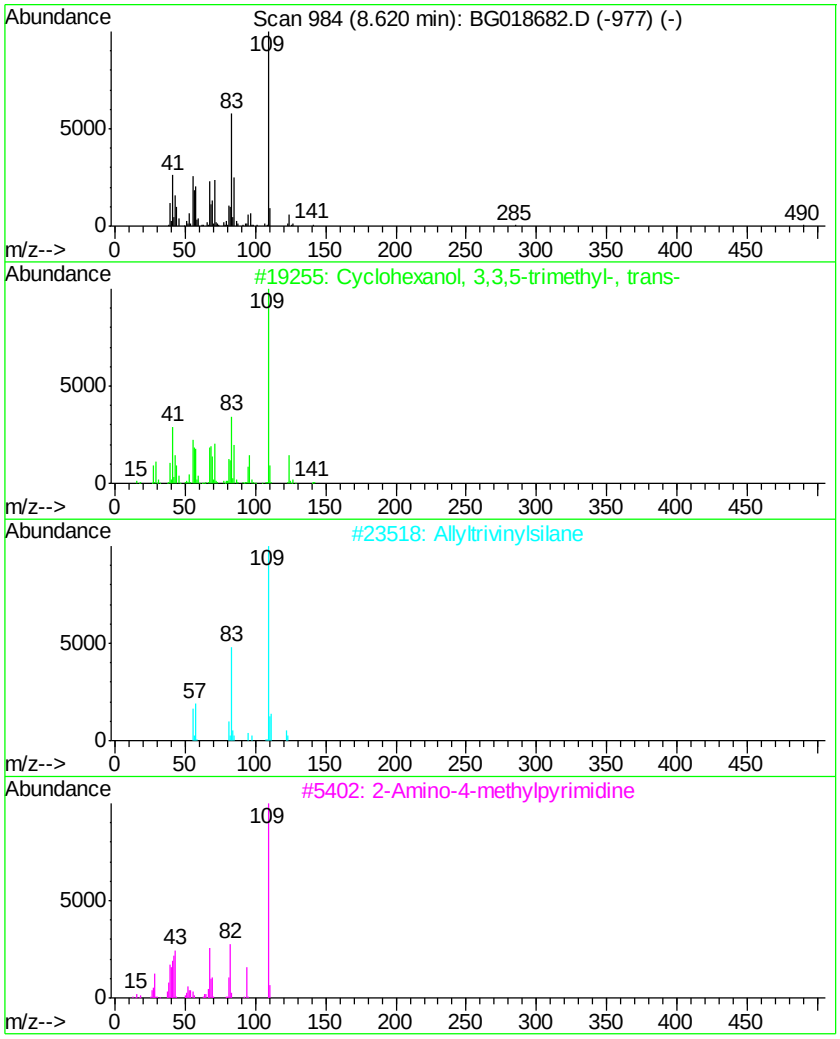
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

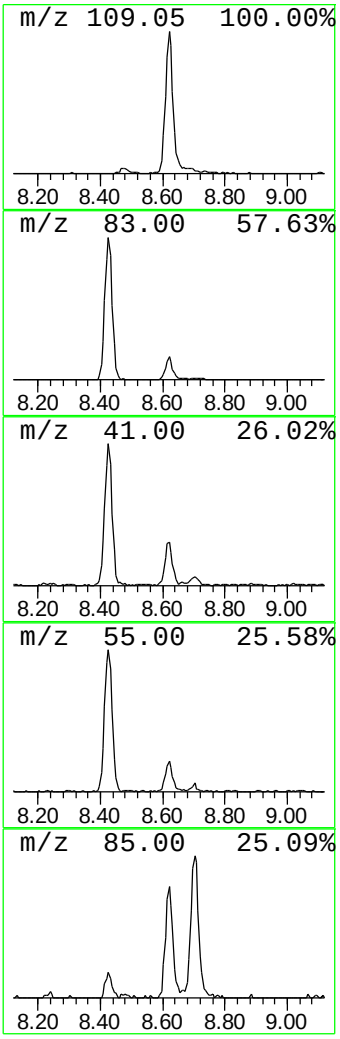
****

Peak Number 6 Cyclohexanol, 3,3,5-trimeth... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.62	13.54 ng/ul	261376	1,4-Dichlorobenzene-d4	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanol, 3,3,5-trimethyl-, ...	142	C9H18O	000767-54-4	50
2	Allyltrivinylsilane	150	C9H14Si	115946-69-5	50
3	2-Amino-4-methylpyrimidine	109	C5H7N3	000108-52-1	38
4	Cyclohexanol, 3,3,5-trimethyl-	142	C9H18O	000116-02-9	38
5	4-Pyrimidinamine, 6-methyl-	109	C5H7N3	003435-28-7	38





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Data File : BG018682.D
Acq On : 15 Sep 2015 14:37
Operator : UM/IZ
Sample : G3641-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AM0

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

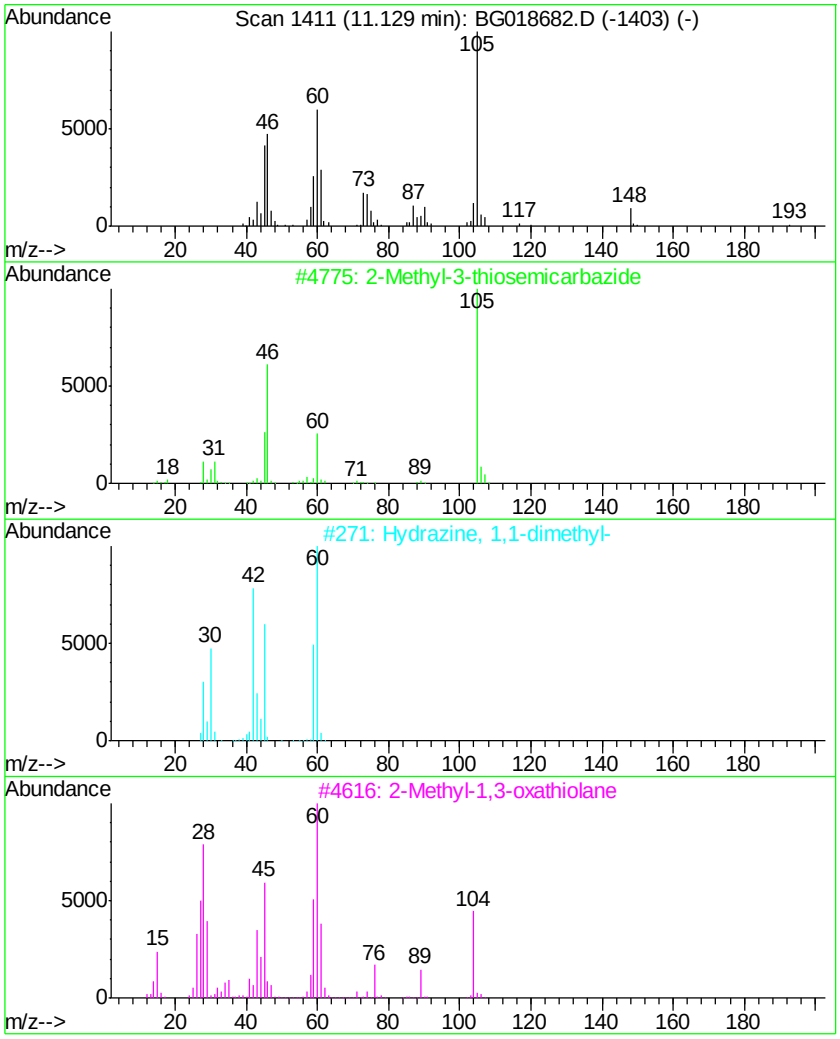
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

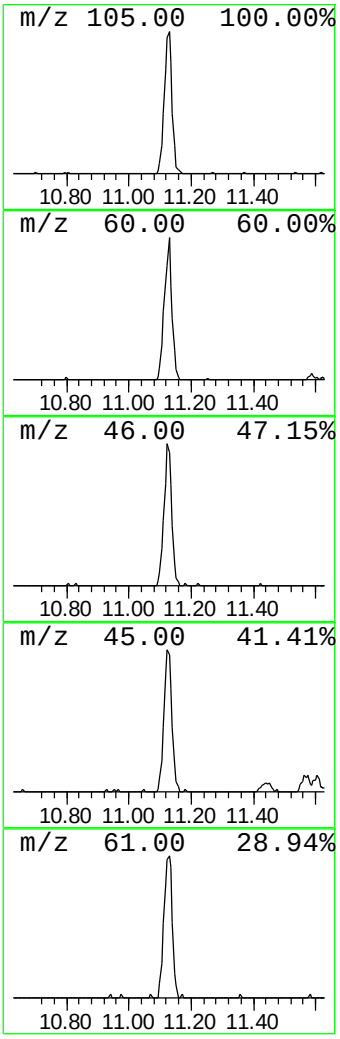
****

Peak Number 7 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	6.66 ng/ul	198199	Naphthalene-d8	10.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-3-thiosemicarbazide	105	C2H7N3S	021185-13-7	38
2	Hydrazine, 1,1-dimethyl-	60	C2H8N2	000057-14-7	35
3	2-Methyl-1,3-oxathiolane	104	C4H8OS	017642-74-9	35
4	Propane, 1-(ethenylthio)-	102	C5H10S	016330-21-5	35
5	Ethylvinyl sulfide	88	C4H8S	000627-50-9	35





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG091515\
Data File : BG018682.D
Acq On : 15 Sep 2015 14:37
Operator : UM/IZ
Sample : G3641-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AM0

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

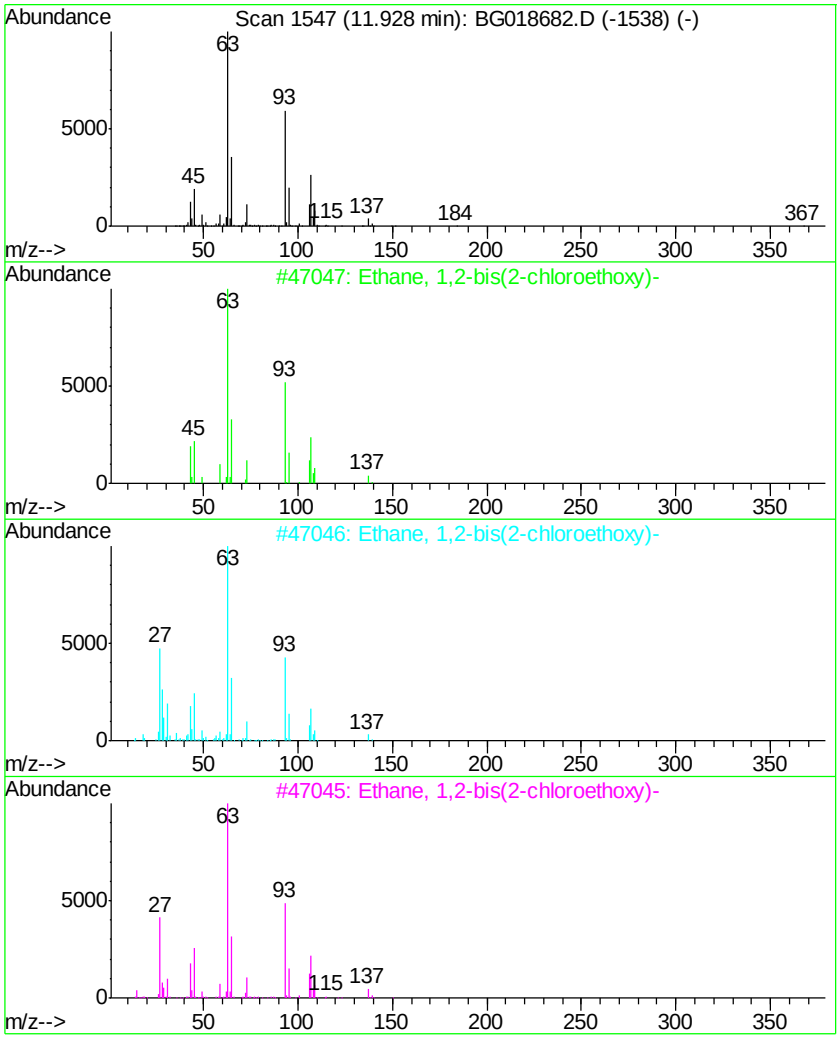
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

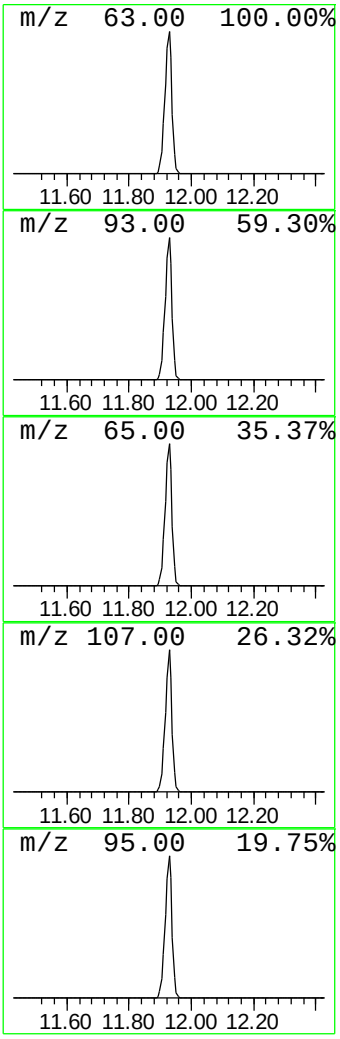
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	117.02 ng/ul	3485110	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	Bis(2-chloroethyl) ether	142	C4H8Cl2O	000111-44-4	56





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG091515\
Data File : BG018682.D
Acq On : 15 Sep 2015 14:37
Operator : UM/IZ
Sample : G3641-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AM0

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	96.1	ng/ul	1855370	1	8.00	386034	20.0
Butanamide, 3,3-d...	5.45	3.8	ng/ul	72426	1	8.00	386034	20.0
1,4-Oxathiane	5.93	18.1	ng/ul	348801	1	8.00	386034	20.0
Cyclohexanone, 3,...	8.43	36.1	ng/ul	696950	1	8.00	386034	20.0
Cyclohexanol, 3,3...	8.62	13.5	ng/ul	261376	1	8.00	386034	20.0
unknown-01	11.13	6.7	ng/ul	198199	2	10.81	595639	20.0
Ethane, 1,2-bis(2...	11.93	117.0	ng/ul	3485110	2	10.81	595639	20.0