LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082915\
Data File : BG018538.D
Acq On : 29 Aug 2015 16:14
Operator : UM/MA
Sample : G3448-12RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AE6RE

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-BG080915.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	3.107	42	46	54	rBV	91221	145207	6.71%	0.800%
2	3.183	54	59	71	rVB	727828	967684	44.74%	5.329%
3	3.789	159	162	166	rVB6	8022	12280	0.57%	0.068%
4	3.906	177	182	188	rBV	87301	119363	5.52%	0.657%
5	4.065	206	209	210	rBV3	7066	5694	0.26%	0.031%
6	4.200	228	232	236	rVB7	5554	10394	0.48%	0.057%
7	4.288	245	247	250	rVB4	5250	4595	0.21%	0.025%
8	4.511	280	285	296	rVB	115161	177989	8.23%	0.980%
9	4.652	300	309	312	rBV8	8676	20185	0.93%	0.111%
10	4.964	360	362	366	rVB4	7054	6283	0.29%	0.035%
11	5.111	380	387	392	rBV2	39708	65542	3.03%	0.361%
12	5.498	451	453	456	rBV4	4771	4971	0.23%	0.027%
13	5.575	462	466	468	rVB4	4643	5869	0.27%	0.032%
14	6.015	536	541	544	rBV6	3641	6687	0.31%	0.037%
15	6.356	597	599	601	rBV2	5154	4862	0.22%	0.027%
16	6.515	620	626	630	rBV6	15134	25484	1.18%	0.140%
17	6.597	638	640	642	rBV3	4152	5642	0.26%	0.031%
18	6.697	655	657	660	rVB4	5802	5480	0.25%	0.030%
19	6.726	660	662	666	rBV4	5576	9232	0.43%	0.051%
20	6.991	704	707	711	rBV5	10669	15046	0.70%	0.083%
21	7.167	729	737	745	rVB2	76554	159868	7.39%	0.880%
22	7.331	759	765	774	rBV	268496	441669	20.42%	2.432%
23	7.543	794	801	812	rVB	275858	463029	21.41%	2.550%
24	7.778	838	841	842	rBV3	5858	5384	0.25%	0.030%
25	7.802	842	845	847	rVB3	3995	4880	0.23%	0.027%
26	8.013	874	881	887	rBV	221184	376012	17.38%	2.071%
27	8.066	889	890	895	rVB3	8661	12009	0.56%	0.066%
28	8.307	928	931	936	rVB6	4771	7031	0.33%	0.039%
29	8.371	939	942	945	rBV4	4111	4758	0.22%	0.026%
30	8.648	986	989	990	rBV3	5724	4306	0.20%	0.024%
31	8.712	993	1000	1008	rVV2	223720	395220	18.27%	2.176%
32	8.830	1015	1020	1025	rBV8	5145	8700	0.40%	0.048%
33	9.106	1061	1067	1070	rBV5	15068	30167	1.39%	0.166%
34	9.165	1070	1077	1092	rVB	303753	569712	26.34%	3.137%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082915\
Data File : BG018538.D
Acq On : 29 Aug 2015 16:14
Operator : UM/MA
Sample : G3448-12RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AE6RE

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-BG080915.M
Title : SVOA CALIBRATION

35	9.259	1092	1093	1102	rVB8	5037	7918	0.37%	0.044%
36	9.447	1122	1125	1127	rBV4	4624	4724	0.22%	0.026%
37	9.770	1178	1180	1183	rBV4	4702	4951	0.23%	0.027%
38	9.893	1193	1201	1211	rVV2	229695	419962	19.42%	2.313%
39	9.993	1217	1218	1221	rBV3	4356	5008	0.23%	0.028%
40	10.228	1254	1258	1260	rVB5	5962	7575	0.35%	0.042%
41	10.287	1266	1268	1271	rVB3	4627	4938	0.23%	0.027%
42	10.434	1284	1293	1302	rBV	429149	793209	36.67%	4.368%
43	10.710	1335	1340	1345	rVB7	8185	15554	0.72%	0.086%
44	10.816	1350	1358	1368	rBV	332603	583899	27.00%	3.215%
45	11.527	1478	1479	1482	rBV3	4937	5450	0.25%	0.030%
46	11.597	1485	1491	1496	rBV9	10086	21816	1.01%	0.120%
47	12.061	1564	1570	1571	rBV2	5226	6039	0.28%	0.033%
48	12.085	1571	1574	1579	rVV4	23703	37801	1.75%	0.208%
49	12.355	1613	1620	1621	rBV5	8108	15376	0.71%	0.085%
50	12.567	1650	1656	1662	rBV2	57463	102247	4.73%	0.563%
51	12.643	1667	1669	1672	rVB3	5094	4817	0.22%	0.027%
52	12.725	1681	1683	1688	rVB6	3454	4868	0.23%	0.027%
53	12.819	1696	1699	1702	rBV4	3878	5759	0.27%	0.032%
54	12.925	1712	1717	1721	rBV4	20421	31212	1.44%	0.172%
55	12.984	1724	1727	1728	rVB2	6196	5022	0.23%	0.028%
56	13.007	1728	1731	1733	rBV3	5934	7285	0.34%	0.040%
57	13.113	1748	1749	1754	rVB5	4956	6977	0.32%	0.038%
58	13.548	1818	1823	1831	rBV4	29485	61481	2.84%	0.339%
59	13.941	1887	1890	1895	rVB5	4283	4781	0.22%	0.026%
60	14.035	1900	1906	1915	rVV	841687	1245932	57.60%	6.861%
61	14.124	1919	1921	1923	rBV3	5581	4366	0.20%	0.024%
62	14.329	1951	1956	1963	rBV	221614	347201	16.05%	1.912%
63	14.435	1972	1974	1978	rVB4	4125	4485	0.21%	0.025%
64	14.641	2003	2009	2017	rVV2	340400	569851	26.35%	3.138%
65	14.711	2017	2021	2027	rVB2	20691	32799	1.52%	0.181%
66	14.823	2035	2040	2051	rBV2	90854	158121	7.31%	0.871%
67	15.304	2116	2122	2129	rBV2	36121	59162	2.74%	0.326%
68	15.369	2129	2133	2138	rVV4	12580	19814	0.92%	0.109%
69	15.440	2141	2145	2150	rVB5	6350	10511	0.49%	0.058%
70	15.628	2168	2177	2187	rVB2	1405619	2114316	97.75%	11.642%
71	15.739	2190	2196	2204	rBV	367154	536987	24.83%	2.957%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082915\
Data File : BG018538.D
Acq On : 29 Aug 2015 16:14
Operator : UM/MA
Sample : G3448-12RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AE6RE

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-BG080915.M
Title : SVOA CALIBRATION

72	15.869	2215	2218	2223	rVB7	11839	19600	0.91%	0.108%
73	15.986	2236	2238	2243	rVB5	10934	13260	0.61%	0.073%
74	16.386	2304	2306	2309	rVB3	5792	6264	0.29%	0.034%
75	16.421	2309	2312	2313	rBV3	6128	7716	0.36%	0.042%
76	16.574	2334	2338	2339	rBV4	6141	7589	0.35%	0.042%
77	16.591	2339	2341	2345	rVB4	4654	5125	0.24%	0.028%
78	16.803	2375	2377	2382	rVV6	5307	8257	0.38%	0.045%
79	16.885	2386	2391	2393	rVB4	3669	5903	0.27%	0.033%
80	16.979	2403	2407	2411	rVB6	4629	6289	0.29%	0.035%
81	17.167	2436	2439	2442	rBV4	6907	7496	0.35%	0.041%
82	17.273	2456	2457	2459	rBV3	6204	4803	0.22%	0.026%
83	17.379	2469	2475	2482	rVV2	925275	1409856	65.18%	7.763%
84	17.484	2485	2493	2500	rBV2	1363624	2162942	100.00%	11.910%
85	17.772	2540	2542	2546	rVB5	4961	5690	0.26%	0.031%
86	17.990	2577	2579	2582	rBV4	5226	5648	0.26%	0.031%
87	18.042	2586	2588	2592	rVB4	9139	13313	0.62%	0.073%
88	18.089	2592	2596	2599	rBV6	4644	8493	0.39%	0.047%
89	18.125	2599	2602	2604	rBV4	4698	6212	0.29%	0.034%
90	18.266	2621	2626	2631	rBV6	16587	28014	1.30%	0.154%
91	18.348	2636	2640	2642	rVV4	5959	7551	0.35%	0.042%
92	18.524	2666	2670	2673	rVB6	7664	10508	0.49%	0.058%
93	18.677	2695	2696	2700	rBV4	4251	4612	0.21%	0.025%
94	18.947	2740	2742	2746	rBV5	5443	7428	0.34%	0.041%
95	19.288	2798	2800	2801	rBV2	4849	4633	0.21%	0.026%
96	19.335	2805	2808	2811	rVV5	5251	8717	0.40%	0.048%
97	19.541	2841	2843	2846	rVV4	7615	6260	0.29%	0.034%
98	19.764	2876	2881	2896	rBV2	606174	1132881	52.38%	6.238%
99	21.644	3195	3201	3209	rBV2	722483	1248727	57.73%	6.876%
100	24.635	3702	3710	3722	rVB4	207153	623151	28.81%	3.431%

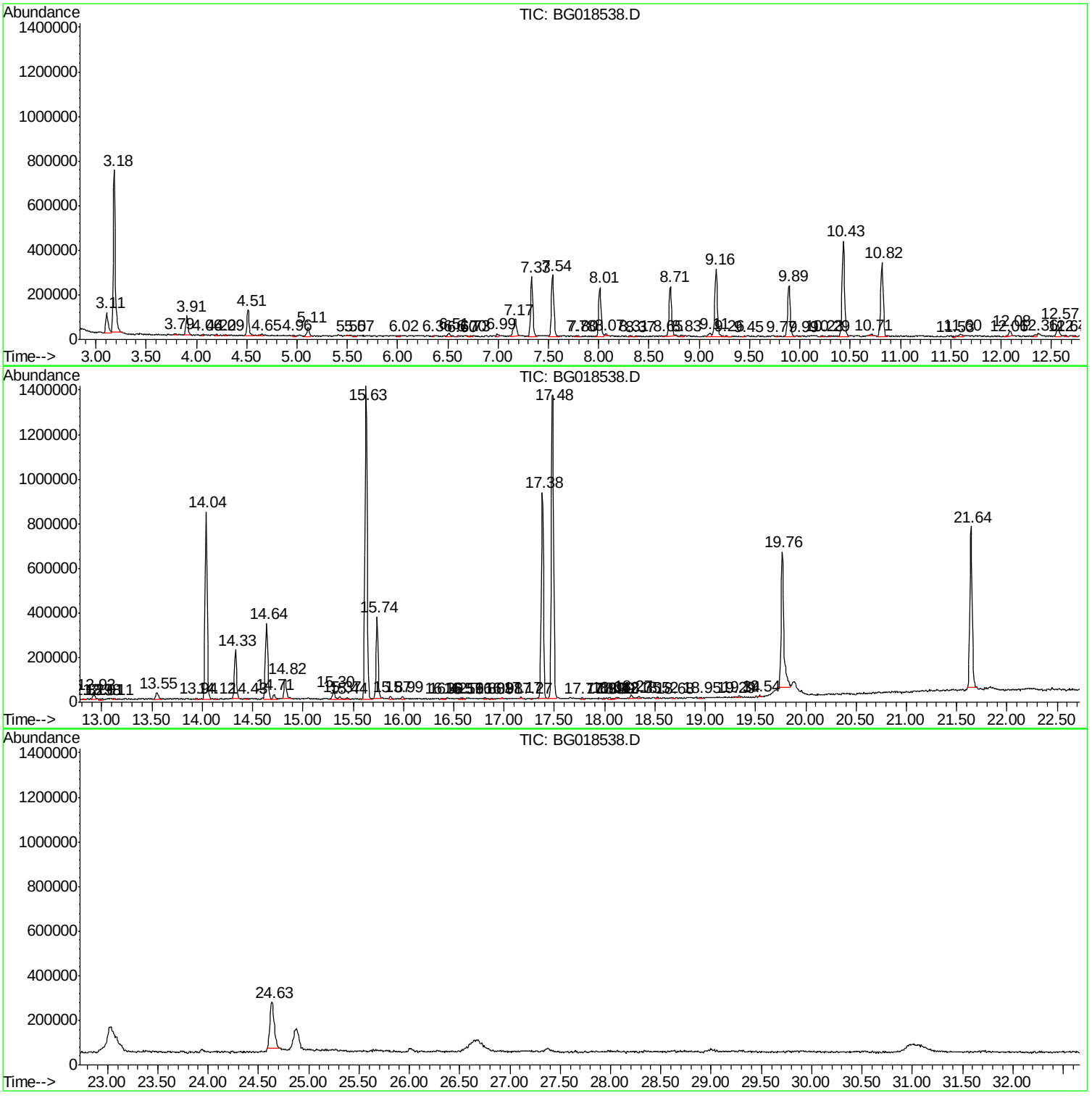
Sum of corrected areas: 18160386

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082915\
Data File : BG018538.D
Acq On : 29 Aug 2015 16:14
Operator : UM/MA
Sample : G3448-12RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AE6RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.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\BG082915\
Data File : BG018538.D
Acq On : 29 Aug 2015 16:14
Operator : UM/MA
Sample : G3448-12RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

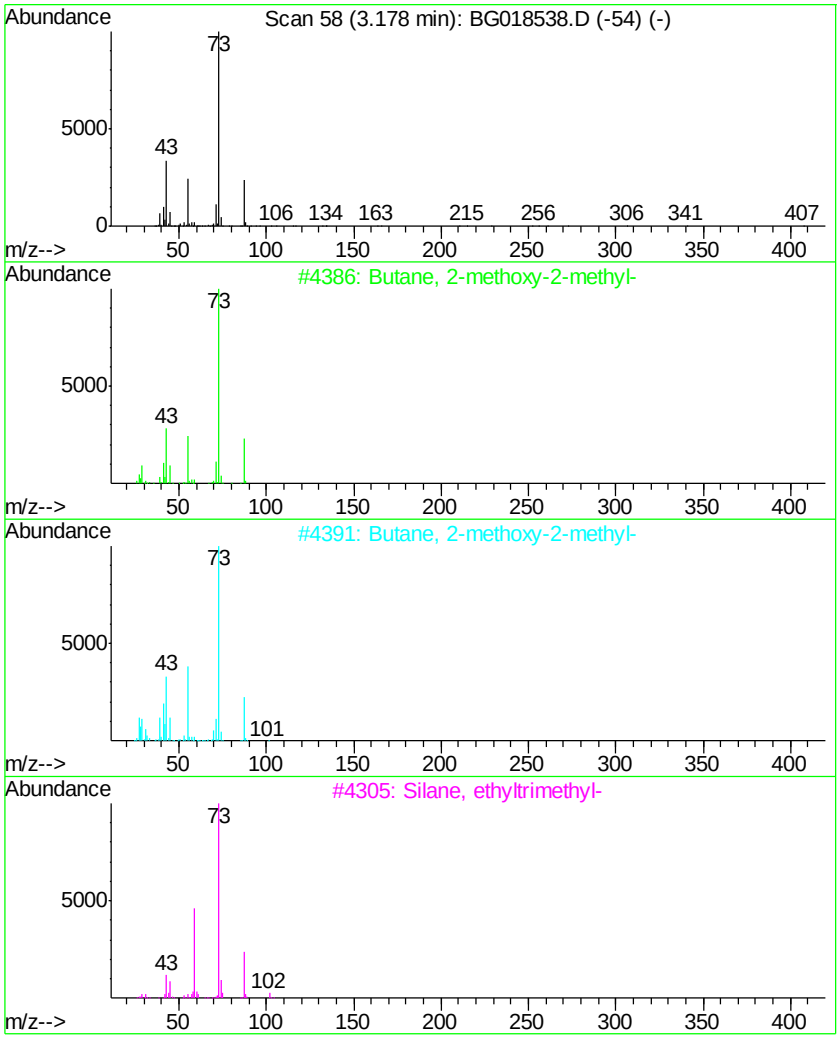
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

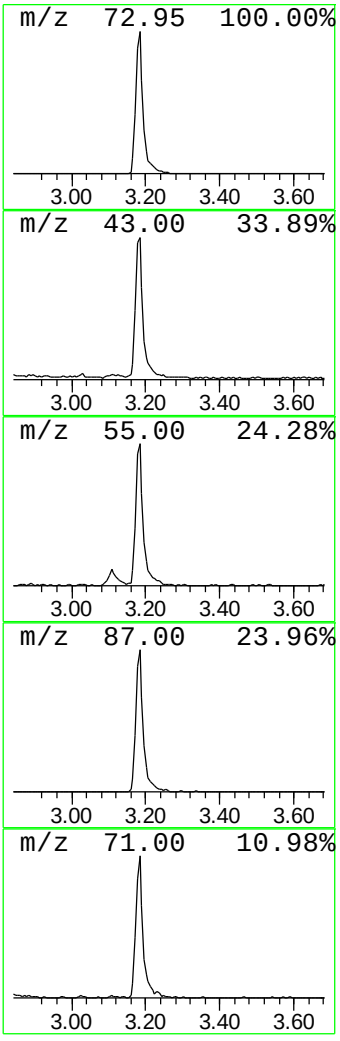
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.18	51.47 ng/ul	967684	1,4-Dichlorobenzene-d4	8.01

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	Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	33
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082915\
Data File : BG018538.D
Acq On : 29 Aug 2015 16:14
Operator : UM/MA
Sample : G3448-12RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AE6RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

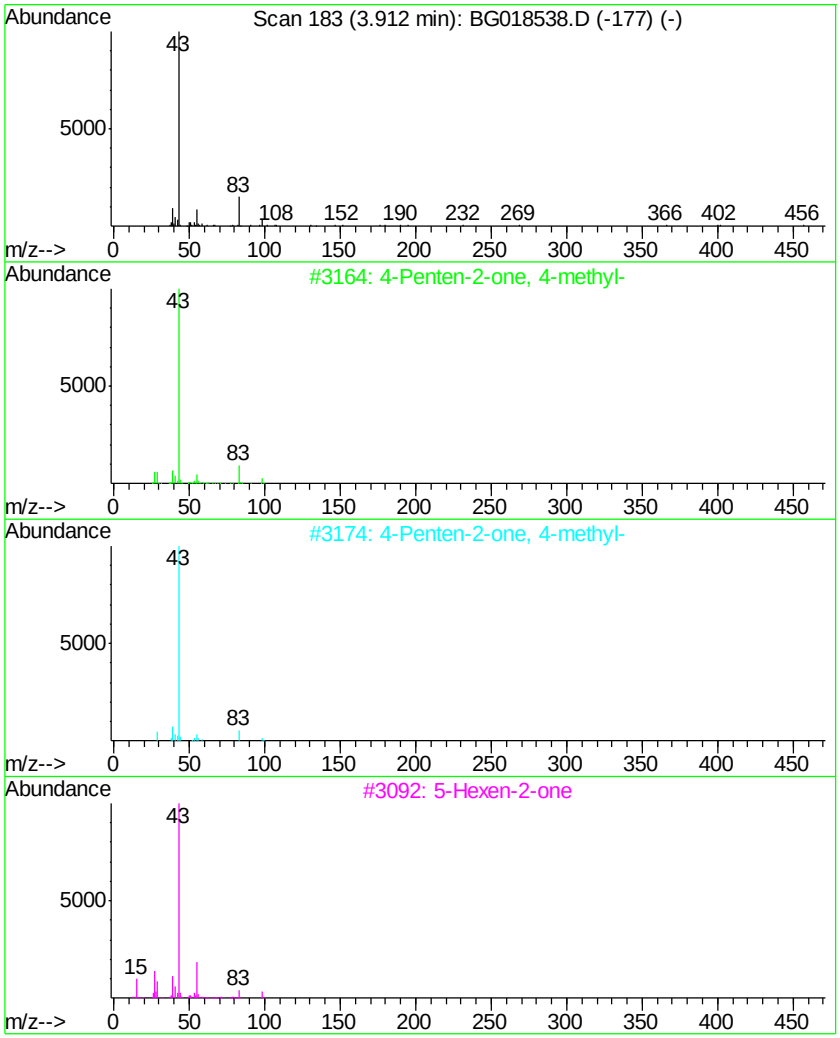
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

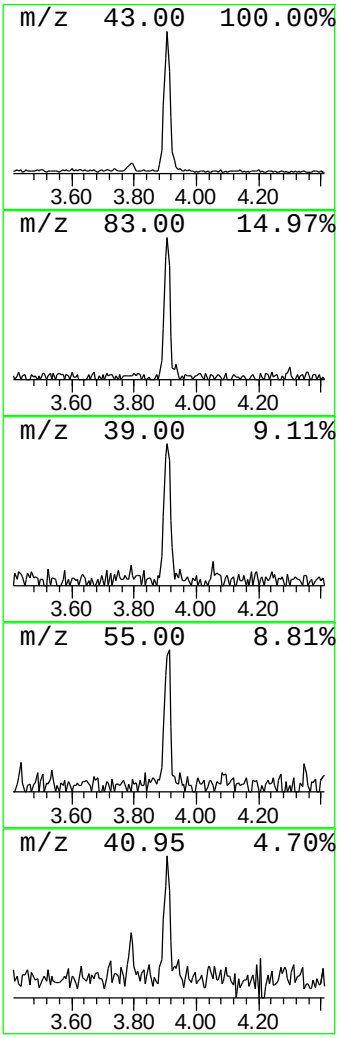
****

Peak Number 3 4-Penten-2-one, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.91	6.35 ng/ul	119363	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	58
2	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	53
3	5-Hexen-2-one	98	C6H10O	000109-49-9	35
4	2-Methyl-3-oxobutyronitrile	97	C5H7NO	004468-47-7	9
5	2-Propanone, 1-cyclopropyl-	98	C6H10O	004160-75-2	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082915\
Data File : BG018538.D
Acq On : 29 Aug 2015 16:14
Operator : UM/MA
Sample : G3448-12RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AE6RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

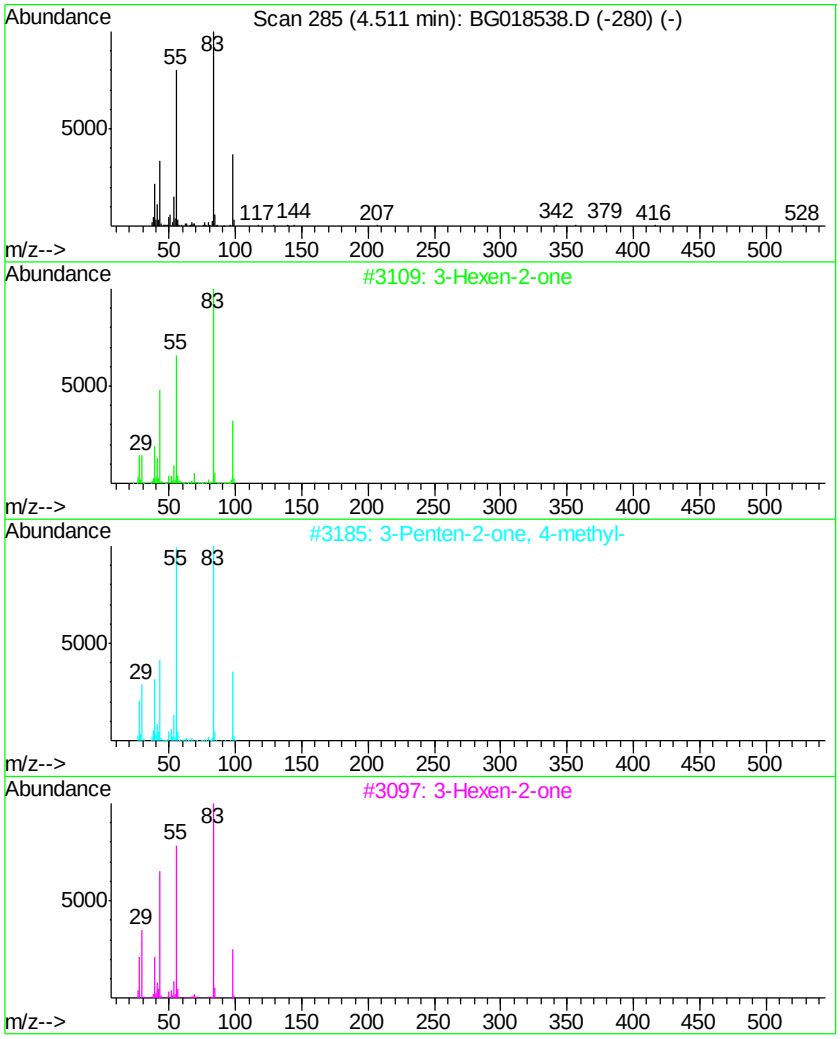
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

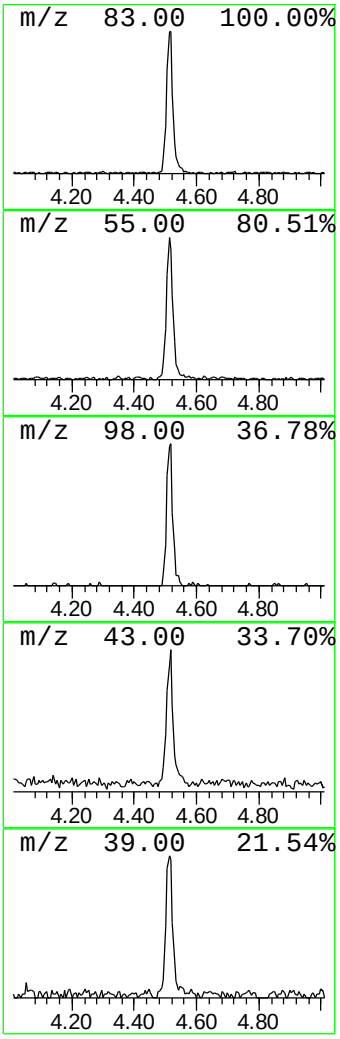
****

Peak Number 4 3-Hexen-2-one Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.51	9.47 ng/ul	177989	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexen-2-one	98	C6H10O	000763-93-9	87
2	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	87
3	3-Hexen-2-one	98	C6H10O	000763-93-9	86
4	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	86
5	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	86





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082915\
Data File : BG018538.D
Acq On : 29 Aug 2015 16:14
Operator : UM/MA
Sample : G3448-12RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AE6RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

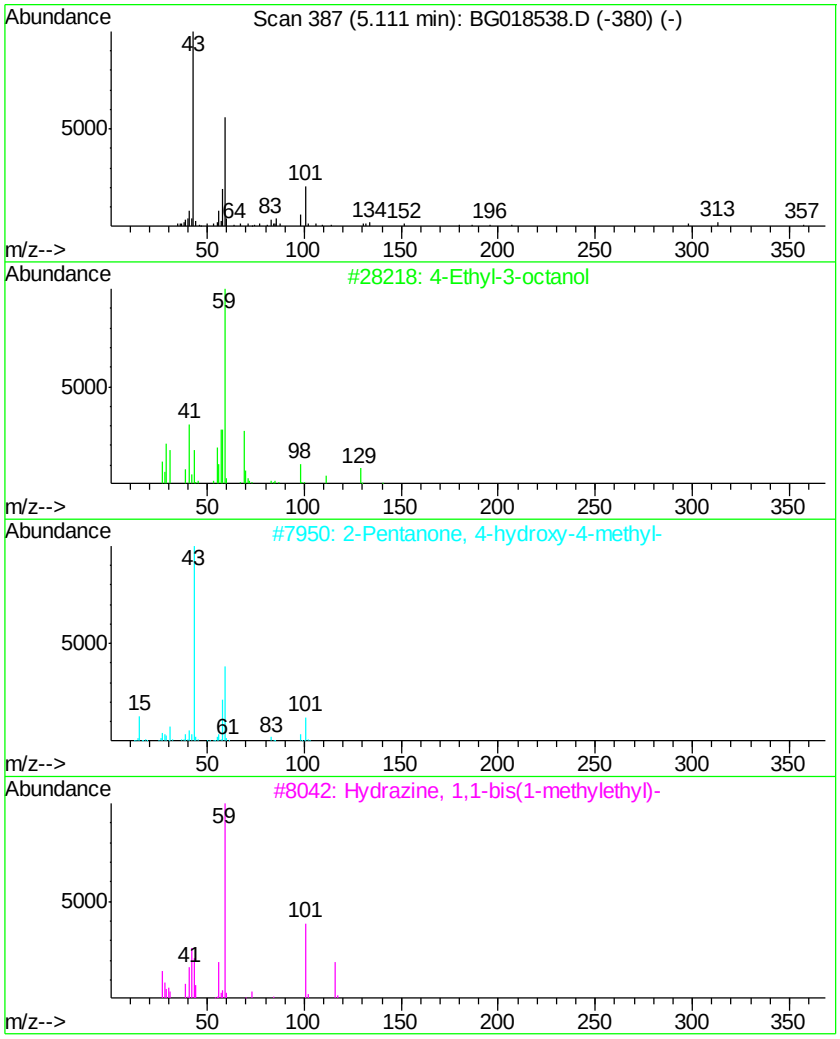
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

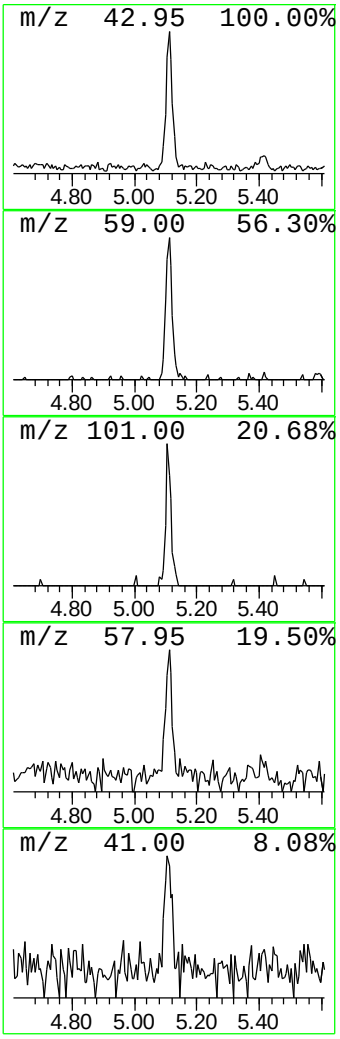
****

Peak Number 5 4-Ethyl-3-octanol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.11	3.49 ng/ul	65542	1,4-Dichlorobenzene-d4	8.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Ethyl-3-octanol	158	C10H22O	019781-26-1	50
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
3	Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	38
4	Dimethadione	129	C5H7NO3	000695-53-4	38
5	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082915\
Data File : BG018538.D
Acq On : 29 Aug 2015 16:14
Operator : UM/MA
Sample : G3448-12RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AE6RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

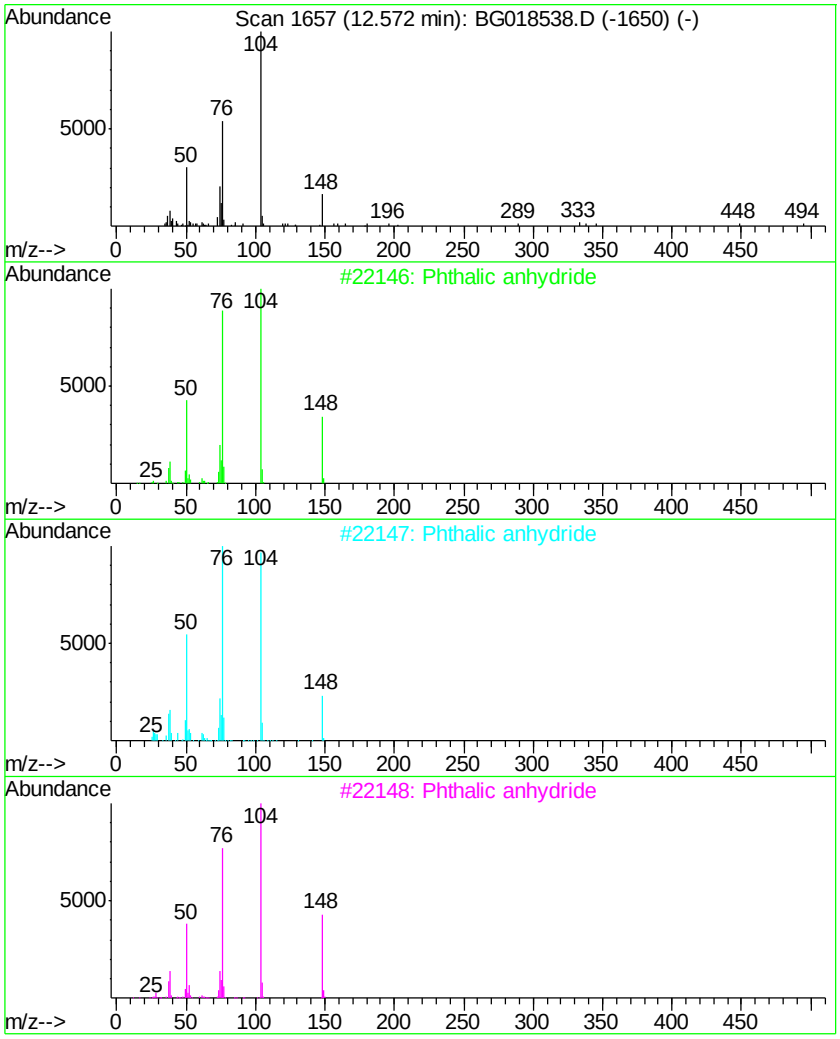
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

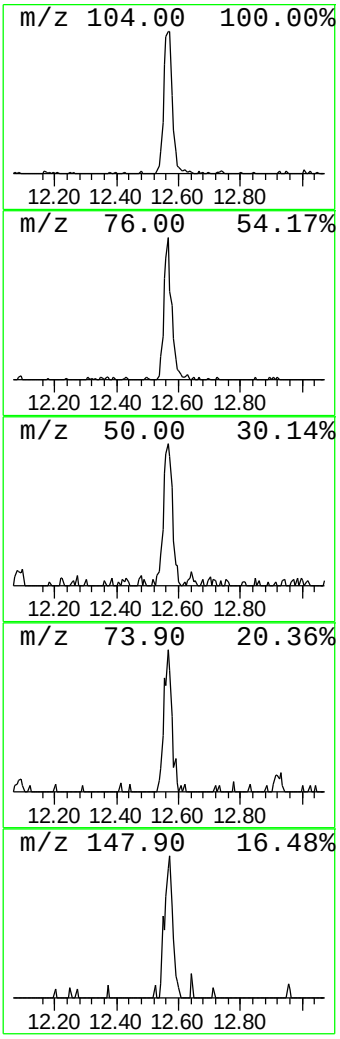
****

Peak Number 6 Phthalic anhydride Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	3.50 ng/ul	102247	Naphthalene-d8	10.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic anhydride	148	C8H4O3	000085-44-9	91
2	Phthalic anhydride	148	C8H4O3	000085-44-9	91
3	Phthalic anhydride	148	C8H4O3	000085-44-9	91
4	Phthalamic acid	165	C8H7NO3	000088-97-1	78
5	1,2-Benzenedicarboxylic acid	166	C8H6O4	000088-99-3	74





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082915\
Data File : BG018538.D
Acq On : 29 Aug 2015 16:14
Operator : UM/MA
Sample : G3448-12RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AE6RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

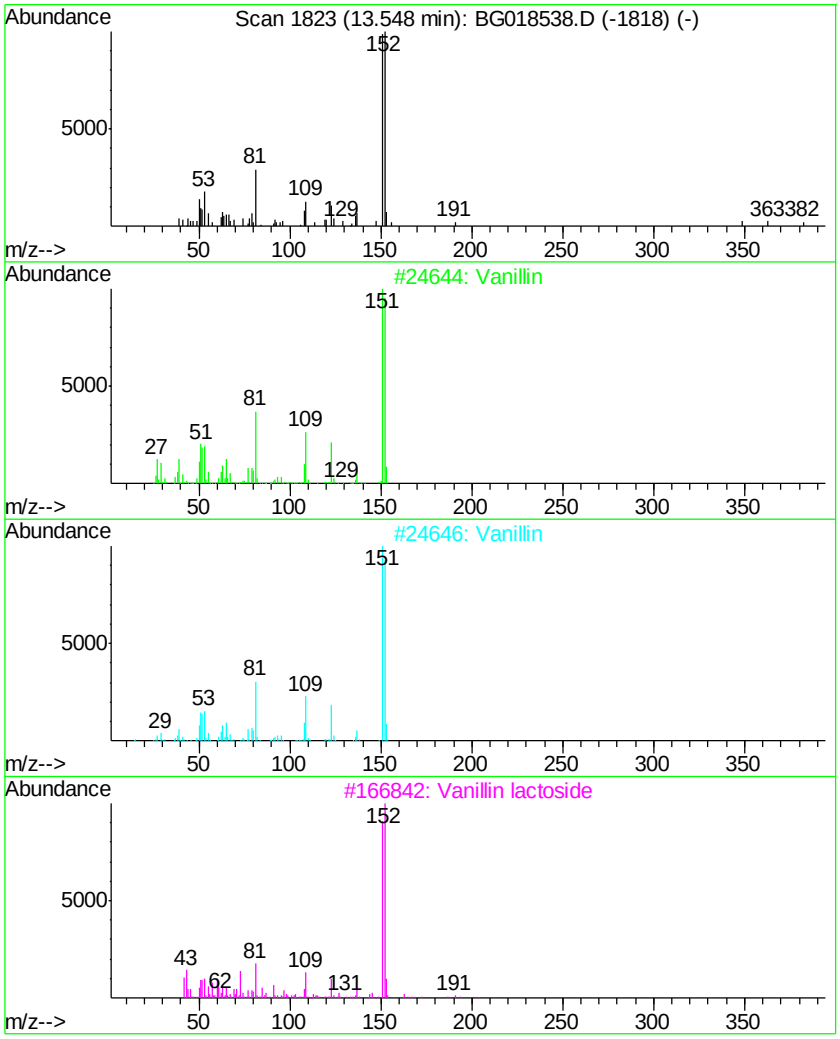
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

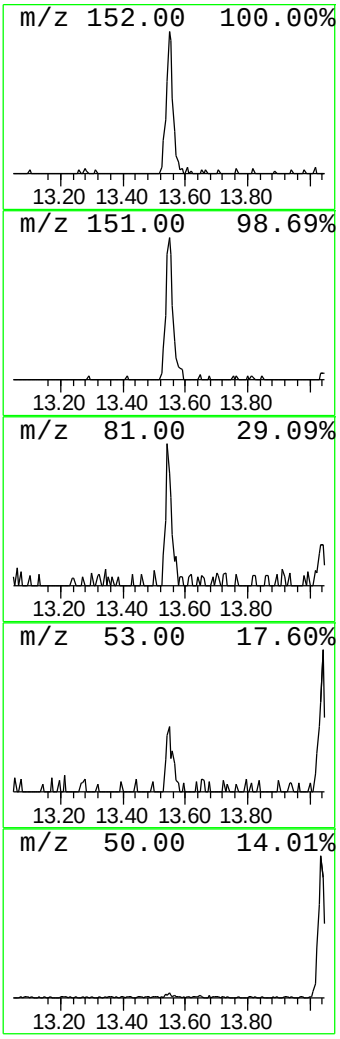
****

Peak Number 7 Vanillin Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	2.16 ng/ul	61481	Acenaphthene-d10	14.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Vanillin	152	C8H8O3	000121-33-5	94
2	Vanillin	152	C8H8O3	000121-33-5	91
3	Vanillin lactoside	476	C20H28O13	1000129-94-7	83
4	3-Methoxy-4-propoxybenzaldehyde	194	C11H14O3	057695-98-4	83
5	Vanillin	152	C8H8O3	000121-33-5	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082915\
Data File : BG018538.D
Acq On : 29 Aug 2015 16:14
Operator : UM/MA
Sample : G3448-12RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AE6RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

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

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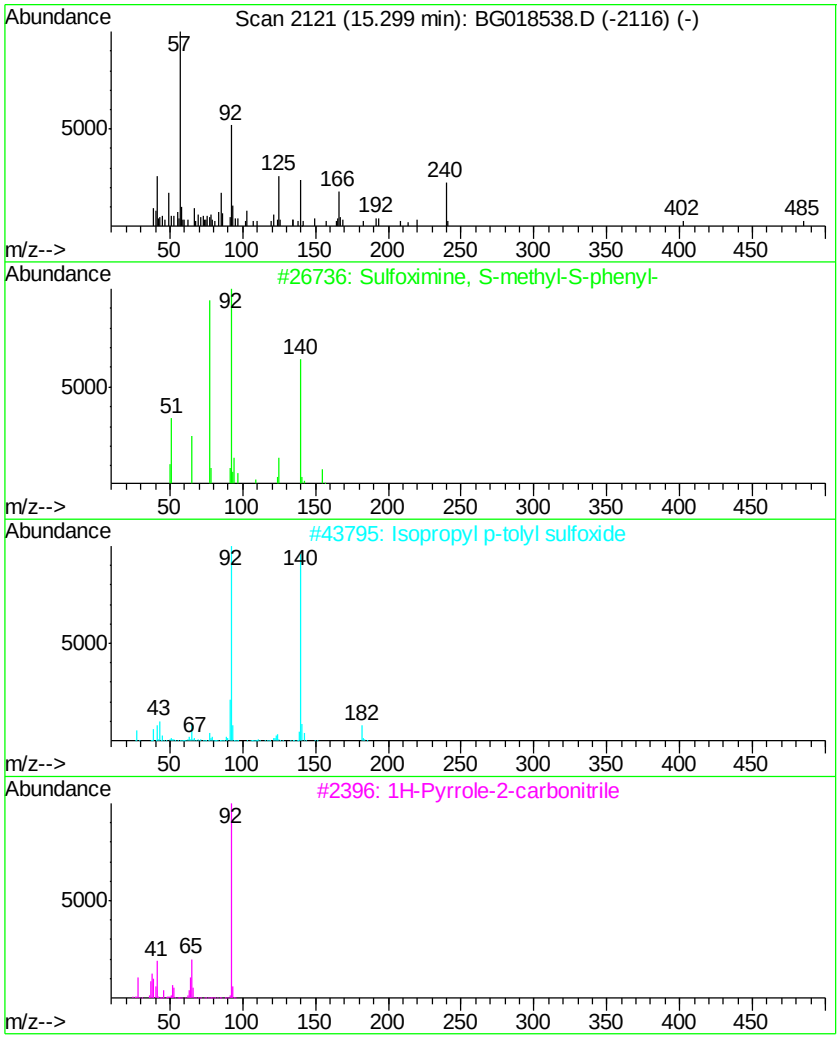
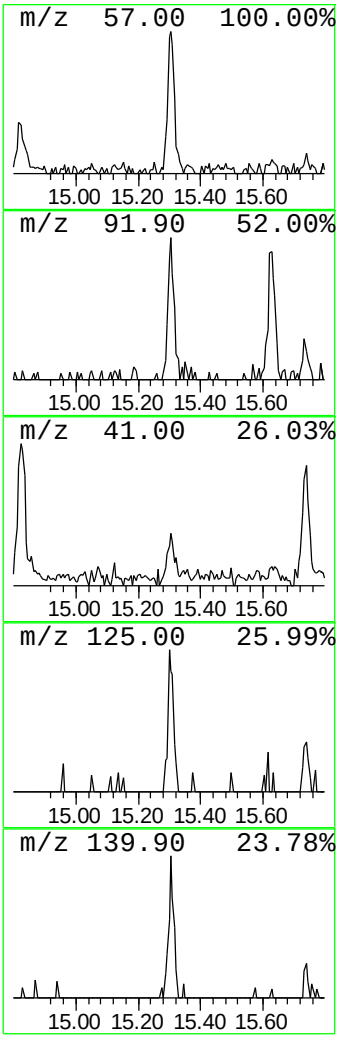
Peak Number 8 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	2.08 ng/ul	59162	Acenaphthene-d10	14.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfoximine, S-methyl-S-phenyl-	155	C7H9NOS	004381-25-3	17
2	Isopropyl p-tolyl sulfoxide	182	C10H14OS	1000164-29-7	12
3	1H-Pyrrole-2-carbonitrile	92	C5H4N2	009513-94-4	9
4	Benzeneethanol, .alpha.-(phenylm...	212	C15H16O	005381-92-0	9
5	Benzeneacetamide	135	C8H9NO	000103-81-1	9





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082915\
Data File : BG018538.D
Acq On : 29 Aug 2015 16:14
Operator : UM/MA
Sample : G3448-12RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AE6RE

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.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	51.5	ng/ul	967684	1	8.01	376012	20.0
4-Penten-2-one, 4...	3.91	6.3	ng/ul	119363	1	8.01	376012	20.0
3-Hexen-2-one	4.51	9.5	ng/ul	177989	1	8.01	376012	20.0
4-Ethyl-3-octanol	5.11	3.5	ng/ul	65542	1	8.01	376012	20.0
Phthalic anhydride	12.57	3.5	ng/ul	102247	2	10.82	583899	20.0
Vanillin	13.55	2.2	ng/ul	61481	3	14.63	569851	20.0
unknown-01	15.30	2.1	ng/ul	59162	3	14.63	569851	20.0