

Data Path : V:\HPCHEM1\BNA G\DATA\BG112015\
 Data File : BG019756.D
 Acq On : 21 Nov 2015 16:17
 Operator : UM/NP
 Sample : G4310-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9KM1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0.1 % of largest Peak
 Max Peaks: 100
 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-BG111615.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	3.044	29	35	40	rBV2	23094	48769	3.74%	0.373%
2	3.121	44	48	56	rVB	112539	171963	13.18%	1.317%
3	3.403	93	96	102	rBV2	5138	7145	0.55%	0.055%
4	5.142	388	392	399	rVV3	3539	7167	0.55%	0.055%
5	7.263	747	753	765	rVB	145008	249065	19.09%	1.907%
6	7.433	774	782	790	rVB	106443	174331	13.36%	1.335%
7	7.645	811	818	826	rVB	133527	223727	17.15%	1.713%
8	8.115	892	898	905	rBV	89921	146001	11.19%	1.118%
9	8.826	1011	1019	1027	rBV	179131	304966	23.37%	2.336%
10	9.290	1091	1098	1108	rVB	140611	241845	18.54%	1.852%
11	10.018	1215	1222	1230	rBV2	127998	217841	16.70%	1.668%
12	10.559	1308	1314	1321	rBV	197506	327097	25.07%	2.505%
13	10.947	1373	1380	1388	rVB	117055	202286	15.50%	1.549%
14	11.076	1394	1402	1412	rBV2	148770	271703	20.82%	2.081%
15	11.728	1508	1513	1517	rBV3	4517	7373	0.57%	0.056%
16	11.946	1543	1550	1555	rBV2	4863	7856	0.60%	0.060%
17	13.109	1739	1748	1754	rVB3	5219	10169	0.78%	0.078%
18	13.356	1786	1790	1794	rBV2	9577	11833	0.91%	0.091%
19	13.561	1821	1825	1831	rBV2	3310	4984	0.38%	0.038%
20	13.673	1838	1844	1848	rVB3	5167	8385	0.64%	0.064%
21	14.155	1918	1926	1930	rBV	375123	546500	41.89%	4.185%
22	14.196	1930	1933	1941	rVB	182235	246690	18.91%	1.889%
23	14.454	1970	1977	1984	rVB	390602	586430	44.95%	4.491%
24	14.625	1999	2006	2010	rBV	15113	19586	1.50%	0.150%
25	14.760	2022	2029	2035	rVB2	206937	334416	25.63%	2.561%
26	14.948	2052	2061	2070	rBV	196923	320768	24.59%	2.457%
27	15.071	2075	2082	2083	rVV4	3769	6801	0.52%	0.052%
28	15.177	2096	2100	2106	rVV3	2698	5942	0.46%	0.046%
29	15.242	2106	2111	2115	rVV3	4282	6973	0.53%	0.053%
30	15.530	2155	2160	2164	rBV3	4022	7167	0.55%	0.055%
31	15.577	2164	2168	2171	rVV	22877	26545	2.03%	0.203%
32	15.747	2191	2197	2207	rVB	549732	834649	63.97%	6.392%
33	15.859	2210	2216	2224	rBV	205732	303647	23.27%	2.325%
34	15.982	2228	2237	2241	rBV7	14102	24779	1.90%	0.190%

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35	16.199	2270	2274	2278	rVB5	3752	4986	0.38%	0.038%
36	16.434	2308	2314	2317	rBV	23961	32382	2.48%	0.248%
37	16.564	2333	2336	2340	rVB	7325	8901	0.68%	0.068%
38	16.617	2340	2345	2351	rBV5	7484	12787	0.98%	0.098%
39	16.687	2352	2357	2359	rVV3	6376	8369	0.64%	0.064%
40	16.728	2361	2364	2368	rVB3	4950	6816	0.52%	0.052%
41	16.769	2368	2371	2374	rBV2	4923	6879	0.53%	0.053%
42	16.834	2378	2382	2384	rVB3	3764	5022	0.38%	0.038%
43	16.887	2386	2391	2395	rVB4	9505	16263	1.25%	0.125%
44	16.946	2397	2401	2405	rBV2	10168	15488	1.19%	0.119%
45	17.222	2443	2448	2453	rVV3	12319	17578	1.35%	0.135%
46	17.275	2454	2457	2462	rVB6	6046	9488	0.73%	0.073%
47	17.498	2488	2495	2501	rBV	336800	502537	38.52%	3.849%
48	17.598	2506	2512	2519	rVB2	654935	989066	75.81%	7.575%
49	17.845	2552	2554	2560	rBV6	2668	5354	0.41%	0.041%
50	18.138	2601	2604	2610	rVB8	4042	6562	0.50%	0.050%
51	18.362	2637	2642	2649	rVV4	19188	27536	2.11%	0.211%
52	18.438	2649	2655	2659	rVB4	6741	10609	0.81%	0.081%
53	18.779	2707	2713	2716	rBV8	3084	6648	0.51%	0.051%
54	18.873	2724	2729	2731	rBV5	5390	8106	0.62%	0.062%
55	18.961	2739	2744	2748	rBV4	8288	12828	0.98%	0.098%
56	19.125	2769	2772	2776	rVV4	6435	9684	0.74%	0.074%
57	19.208	2782	2786	2791	rBV2	21477	27238	2.09%	0.209%
58	19.278	2793	2798	2803	rVB6	13305	21286	1.63%	0.163%
59	19.525	2833	2840	2846	rVV4	12229	33476	2.57%	0.256%
60	19.713	2867	2872	2875	rBV5	8510	14830	1.14%	0.114%
61	19.754	2875	2879	2885	rVV3	26968	39989	3.06%	0.306%
62	19.813	2887	2889	2892	rVV3	6882	9777	0.75%	0.075%
63	19.872	2893	2899	2909	rVB	880996	1288358	98.75%	9.867%
64	19.936	2909	2910	2913	rBV3	6203	5497	0.42%	0.042%
65	20.113	2937	2940	2942	rBV4	8476	11113	0.85%	0.085%
66	20.283	2965	2969	2971	rBV4	13066	18062	1.38%	0.138%
67	20.489	3001	3004	3009	rVB3	10717	16670	1.28%	0.128%
68	20.606	3022	3024	3028	rBV4	8575	9895	0.76%	0.076%
69	20.694	3035	3039	3040	rBV4	6049	7306	0.56%	0.056%
70	20.753	3046	3049	3054	rVB	23576	29690	2.28%	0.227%
71	20.823	3056	3061	3066	rBV3	36243	56010	4.29%	0.429%

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72	20.970	3082	3086	3091	rBV2	29172	45618	3.50%	0.349%
73	21.017	3091	3094	3098	rVV	46932	58758	4.50%	0.450%
74	21.088	3102	3106	3111	rVB2	20939	27614	2.12%	0.211%
75	21.376	3151	3155	3165	rVB2	49240	82626	6.33%	0.633%
76	21.446	3165	3167	3169	rBV3	6805	5154	0.40%	0.039%
77	21.523	3177	3180	3189	rVB2	31950	52556	4.03%	0.402%
78	21.605	3189	3194	3196	rBV4	15182	24436	1.87%	0.187%
79	21.764	3214	3221	3230	rBV	421110	696453	53.38%	5.334%
80	21.928	3246	3249	3256	rVB6	20146	35989	2.76%	0.276%
81	22.075	3270	3274	3277	rBV6	7983	12152	0.93%	0.093%
82	22.551	3350	3355	3364	rVB6	23253	41162	3.15%	0.315%
83	22.698	3377	3380	3383	rBV6	5343	7442	0.57%	0.057%
84	23.256	3470	3475	3483	rVB4	26121	50002	3.83%	0.383%
85	23.450	3505	3508	3517	rVB6	13038	26513	2.03%	0.203%
86	23.908	3583	3586	3589	rBV5	3901	7275	0.56%	0.056%
87	24.078	3610	3615	3621	rVB2	31372	64368	4.93%	0.493%
88	24.372	3658	3665	3673	rVB	31401	73814	5.66%	0.565%
89	24.596	3701	3703	3707	rVB4	4112	5596	0.43%	0.043%
90	24.842	3733	3745	3755	rBV	465252	1304729	100.00%	9.992%
91	25.066	3772	3783	3794	rVB	243668	716903	54.95%	5.490%
92	26.205	3967	3977	3987	rBV3	36681	114331	8.76%	0.876%
93	26.329	3994	3998	4001	rBV6	4149	6972	0.53%	0.053%
94	26.476	4013	4023	4024	rBV7	42667	89517	6.86%	0.686%
95	27.598	4204	4214	4224	rBV5	28592	94841	7.27%	0.726%
96	27.845	4252	4256	4260	rVV6	3534	5506	0.42%	0.042%
97	29.272	4490	4499	4501	rBV6	19003	51523	3.95%	0.395%
98	29.449	4520	4529	4544	rVB6	18483	88225	6.76%	0.676%
99	30.477	4699	4704	4705	rBV5	4461	6409	0.49%	0.049%
100	31.294	4833	4843	4844	rBV7	14198	32453	2.49%	0.249%

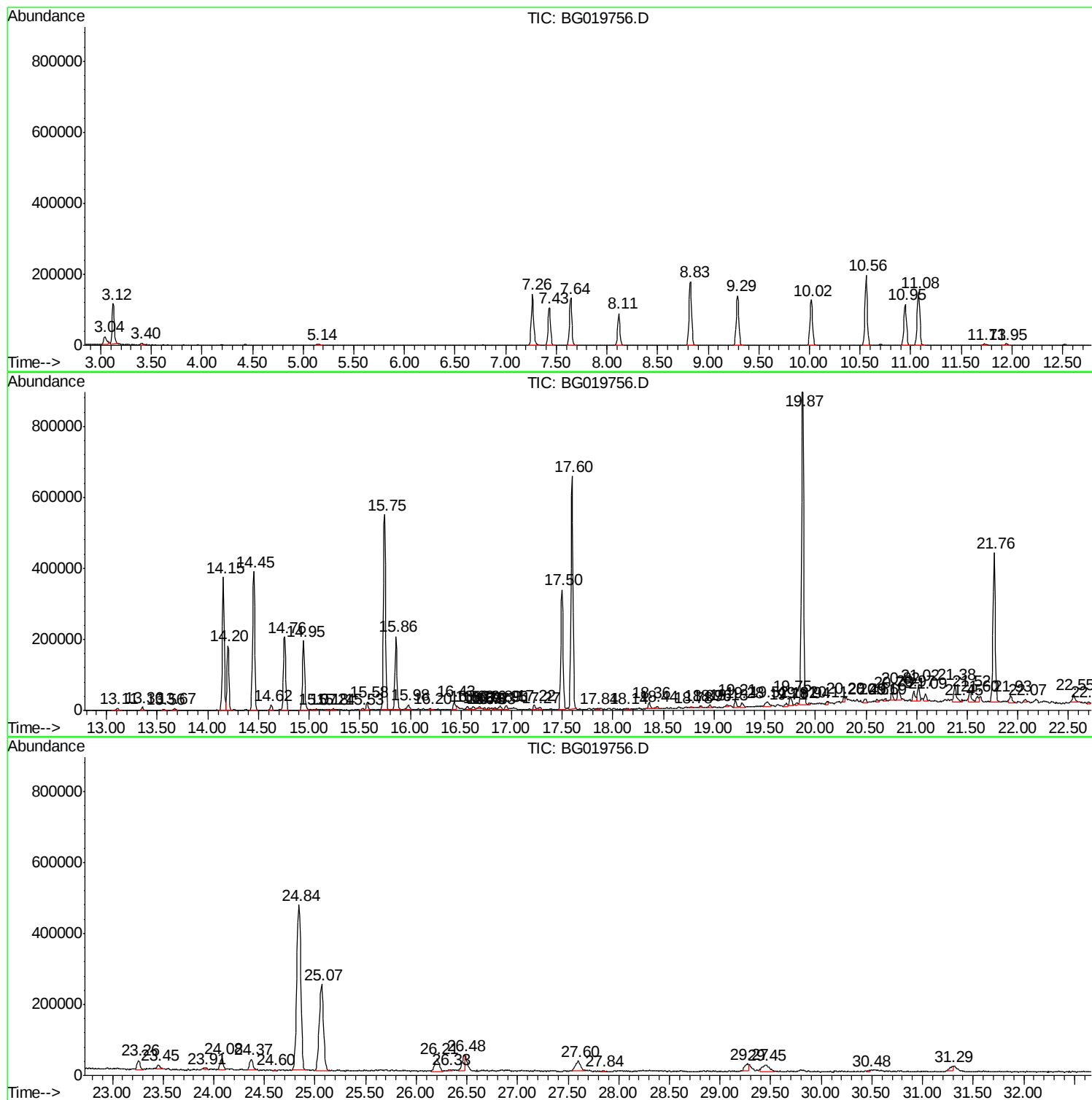
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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



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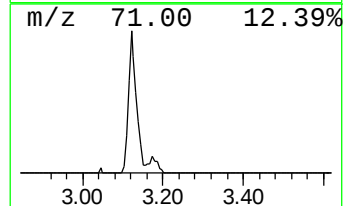
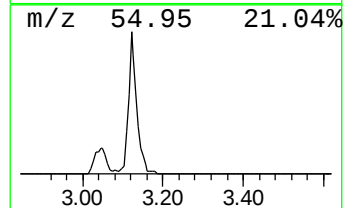
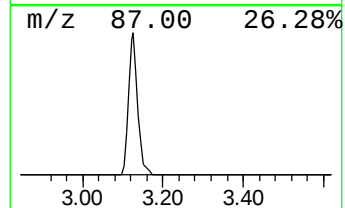
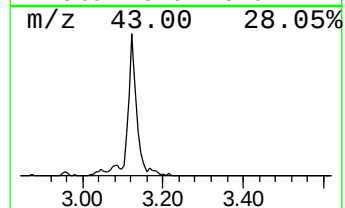
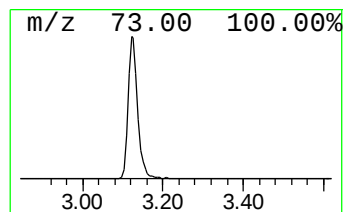
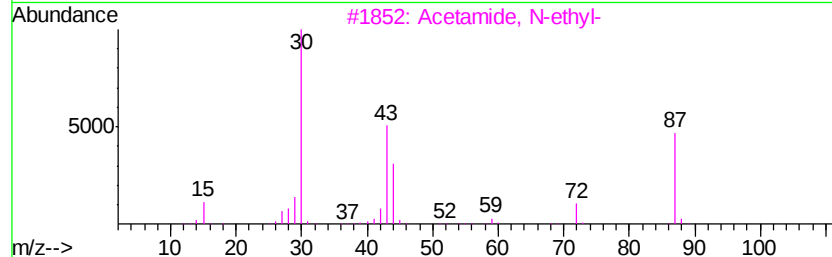
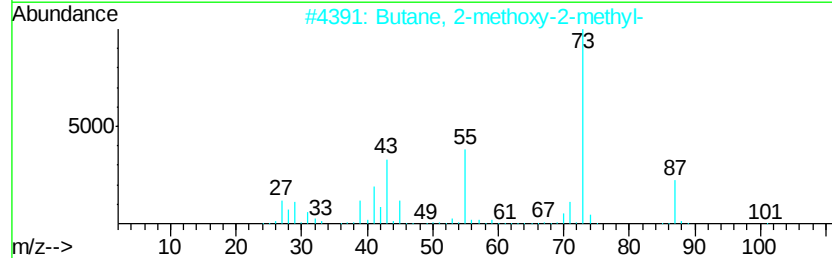
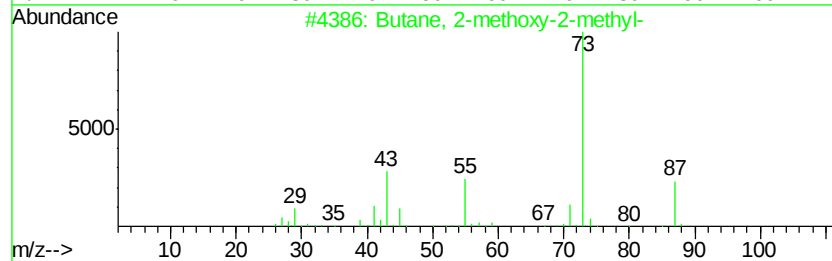
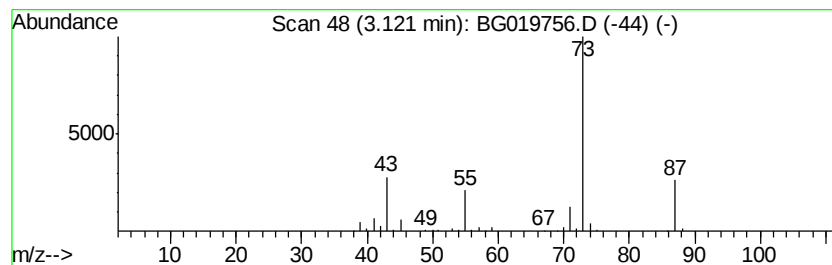
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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.
3.12	23.56 ng/ul	171963	1,4-Dichlorobenzene-d4	8.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
2		Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	50
3		Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
4		N-Ethylformamide	73	C3H7NO	000627-45-2	9
5		Silane, tetramethyl-	88	C4H12Si	000075-76-3	9



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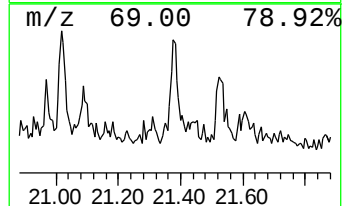
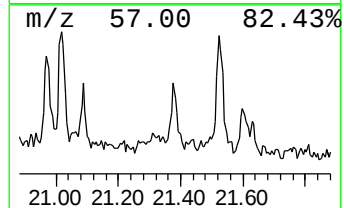
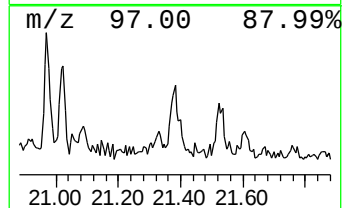
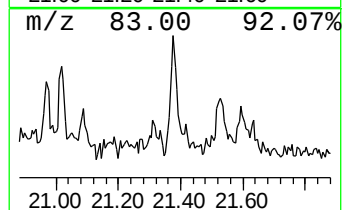
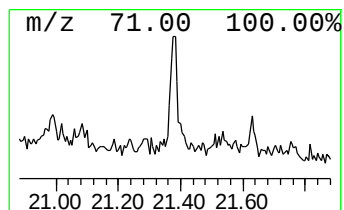
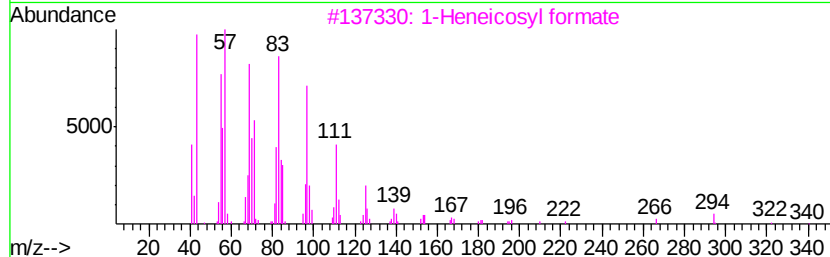
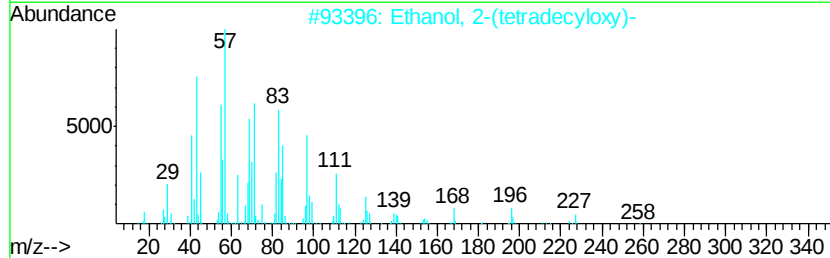
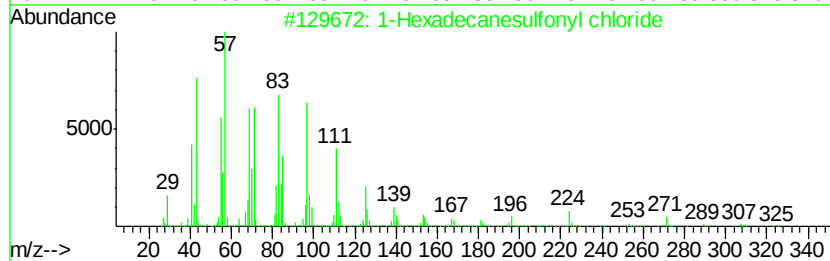
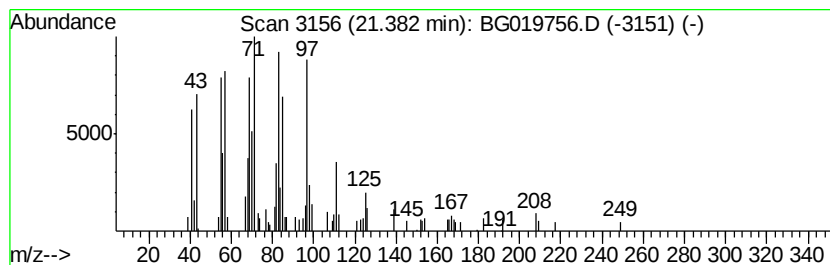
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Quant Title : SVOA CALIBRATION

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

Peak Number 3 1-Hexadecanesulfonyl chloride Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.		
21.38	2.37 ng/ul	82626	Chrysene-d12		21.76		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Hexadecanesulfonyl chloride	324	C16H33ClO2S	038775-38-1	64
2			Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	58
3			1-Heneicosyl formate	340	C22H44O2	077899-03-7	45
4			Isoheptadecanol	256	C17H36O	057289-07-3	45
5			1-Tricosene	322	C23H46	018835-32-0	43



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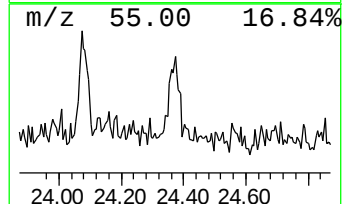
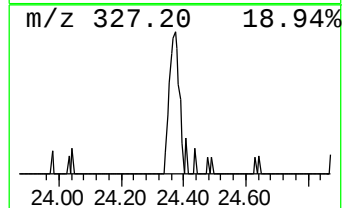
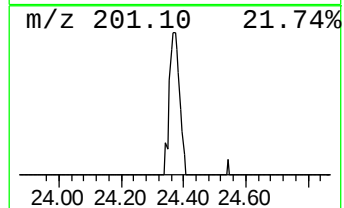
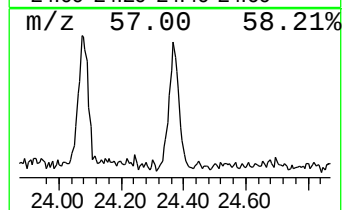
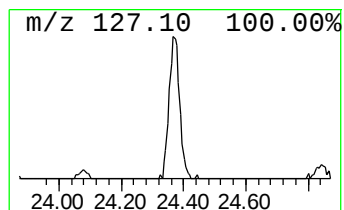
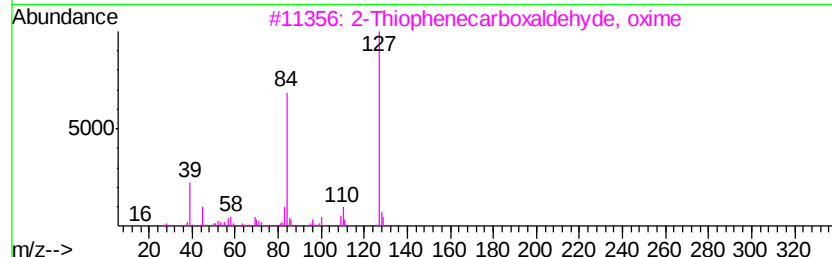
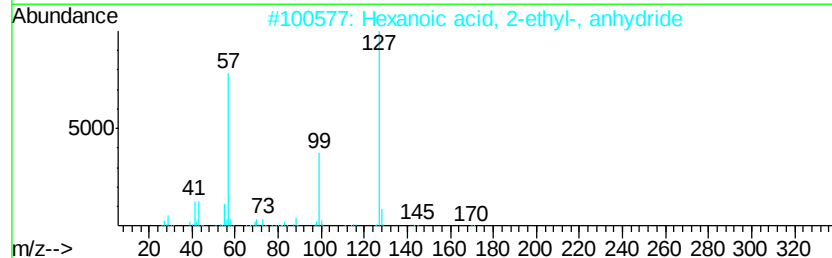
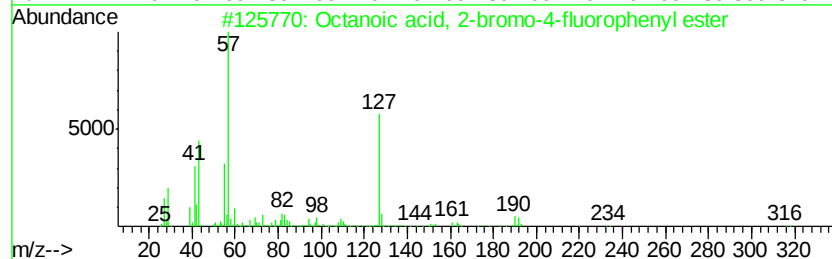
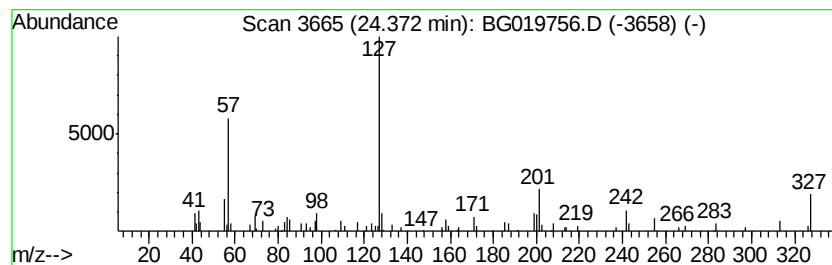
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Peak Number 4 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.37	2.06 ng/ul	73814	Perylene-d12	25.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octanoic acid, 2-bromo-4-fluorop...	316	C14H18BrF02	002923-78-6	47
2		Hexanoic acid, 2-ethyl-, anhydride	270	C16H30O3	036765-89-6	43
3		2-Thiophenecarboxaldehyde, oxime	127	C5H5NOS	029683-84-9	43
4		Octanethioic acid, S-hexyl ester	244	C14H28OS	055590-85-7	43
5		Pyrazole, 1-methyl-4-nitro-	127	C4H5N3O2	003994-50-1	43



Data Path : V:\HPCHEM1\BNA G\DATA\BG112015\
Data File : BG019756.D
Acq On : 21 Nov 2015 16:17
Operator : UM/NP
Sample : G4310-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9KM1

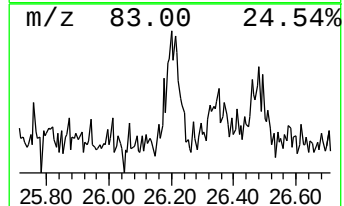
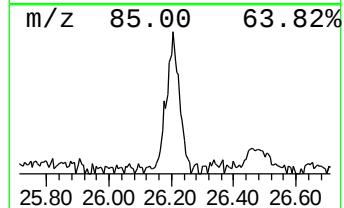
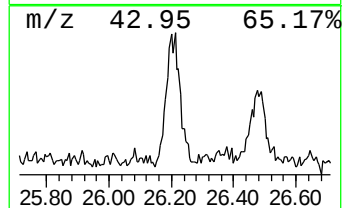
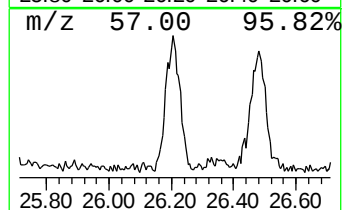
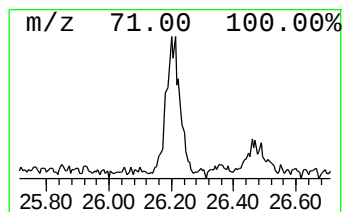
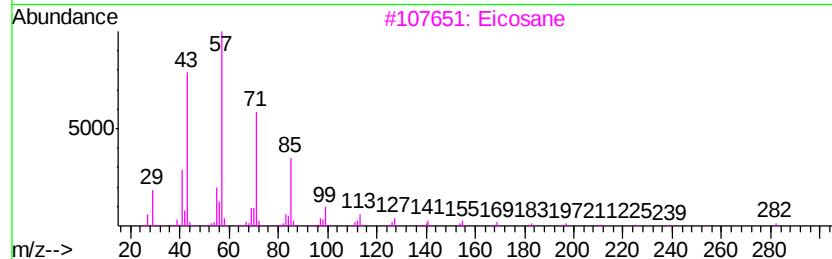
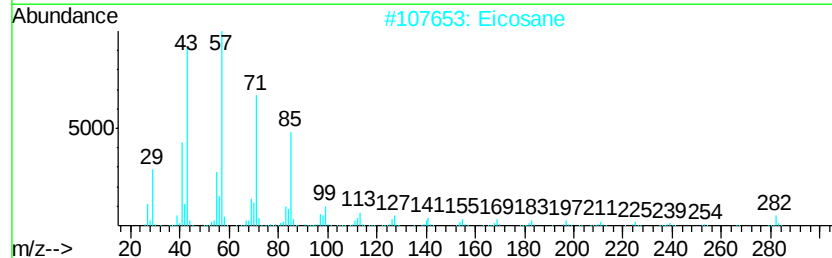
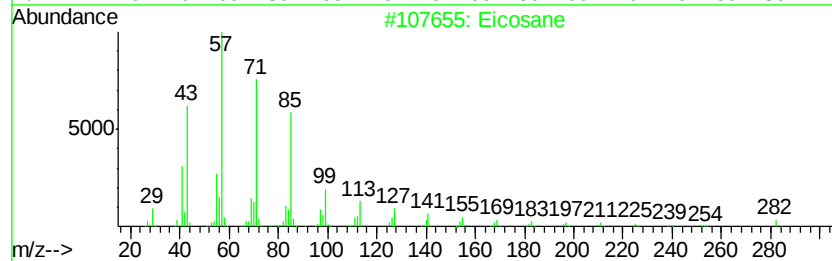
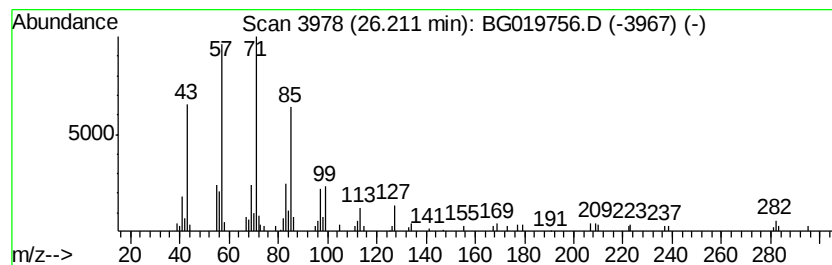
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.21	3.19 ng/ul	114331	Perylene-d12	25.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	93
2		Eicosane	282	C20H42	000112-95-8	93
3		Eicosane	282	C20H42	000112-95-8	89
4		Heneicosane	296	C21H44	000629-94-7	86
5		Heptacosane	380	C27H56	000593-49-7	86



Data Path : V:\HPCHEM1\BNA G\DATA\BG112015\
Data File : BG019756.D
Acq On : 21 Nov 2015 16:17
Operator : UM/NP
Sample : G4310-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9KM1

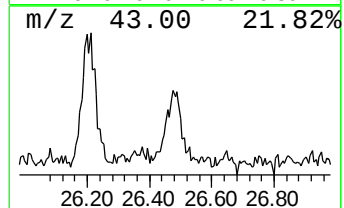
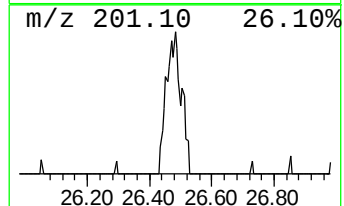
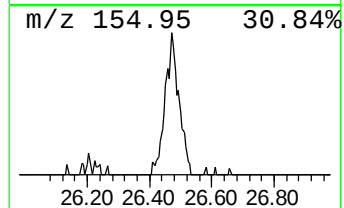
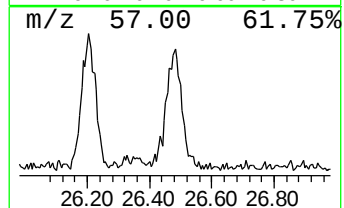
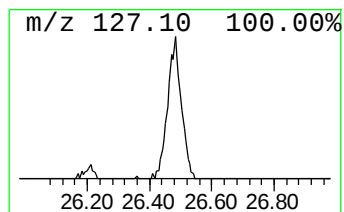
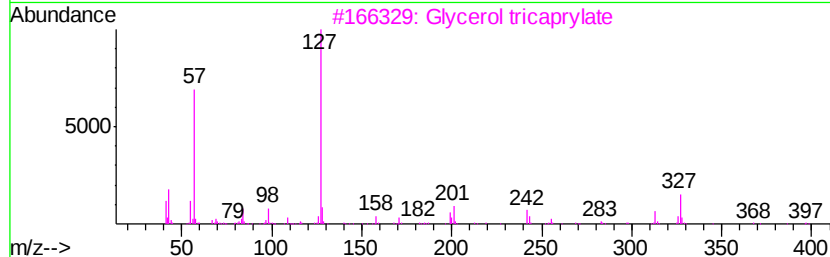
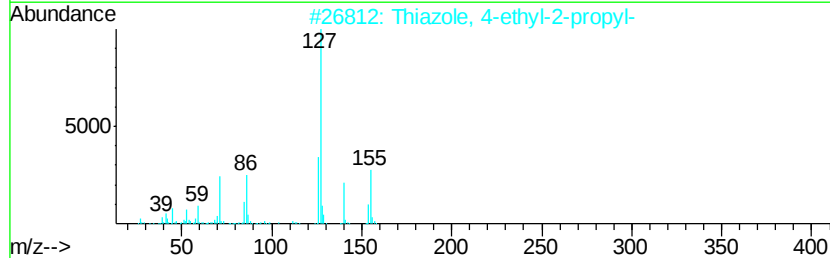
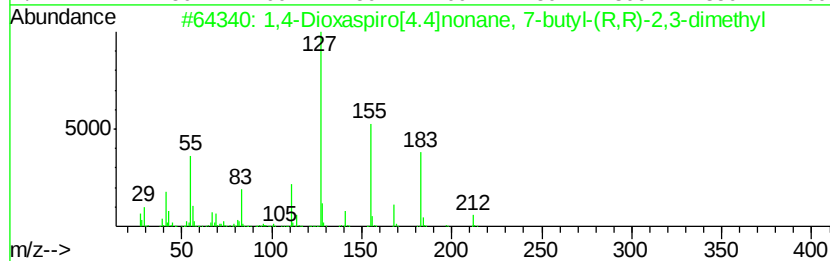
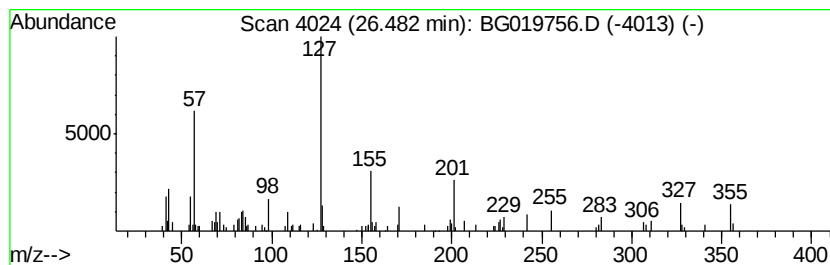
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 1,4-Dioxaspiro[4.4]nonane, ... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.48	2.50 ng/ul	89517	Perylene-d12	25.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,4-Dioxaspiro[4.4]nonane, 7-but...	212	C13H24O2	104807-77-4	50
2		Thiazole, 4-ethyl-2-propyl-	155	C8H13NS	041981-68-4	50
3		Glycerol tricaprlylate	470	C27H50O6	000538-23-8	46
4		8-Pentadecanone	226	C15H30O	000818-23-5	35
5		Naphthalene-2-sulfonic acid, 4-n...	329	C16H11NO5S	1000294-10-2	35



Data Path : V:\HPCHEM1\BNA G\DATA\BG112015\
Data File : BG019756.D
Acq On : 21 Nov 2015 16:17
Operator : UM/NP
Sample : G4310-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9KM1

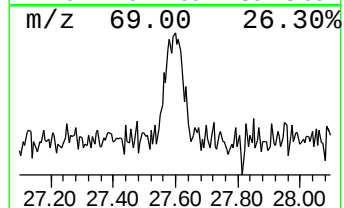
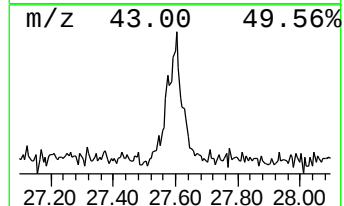
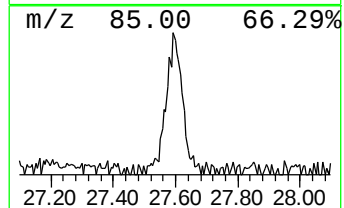
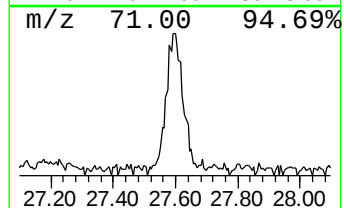
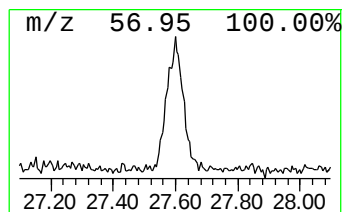
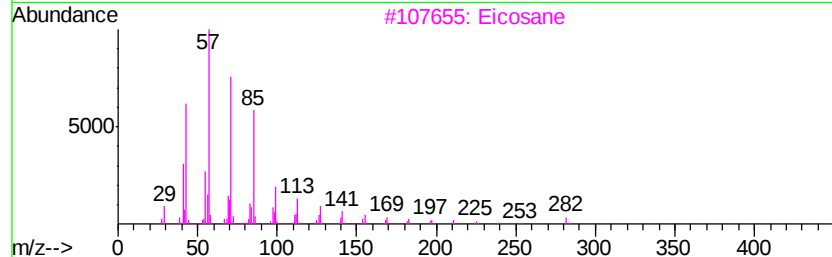
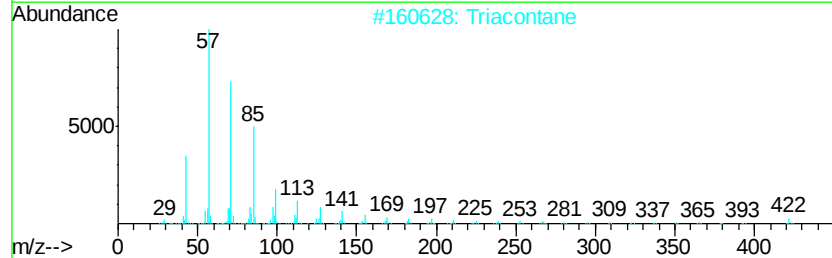
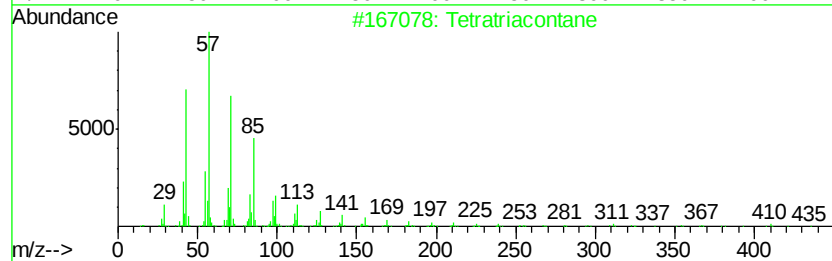
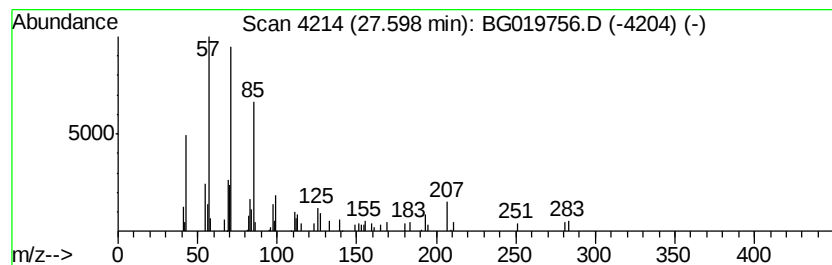
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.60	2.65 ng/ul	94841	Perylene-d12	25.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetratriacontane	479	C34H70	014167-59-0	80
2		Triacontane	422	C30H62	000638-68-6	72
3		Eicosane	282	C20H42	000112-95-8	72
4		Nonacosane	408	C29H60	000630-03-5	72
5		Heneicosane	296	C21H44	000629-94-7	72



Data Path : V:\HPCHEM1\BNA G\DATA\BG112015\
Data File : BG019756.D
Acq On : 21 Nov 2015 16:17
Operator : UM/NP
Sample : G4310-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9KM1

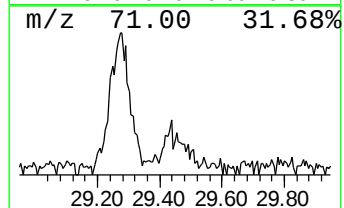
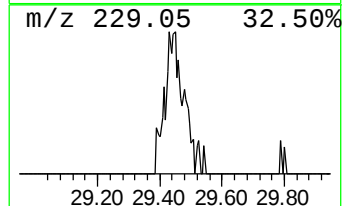
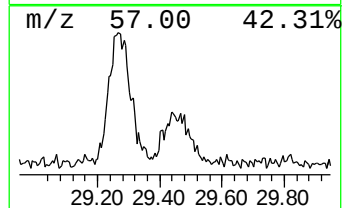
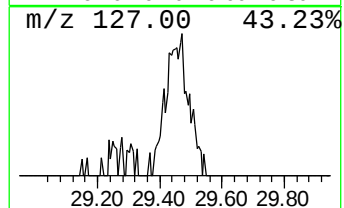
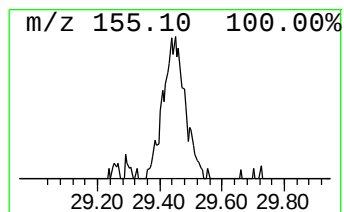
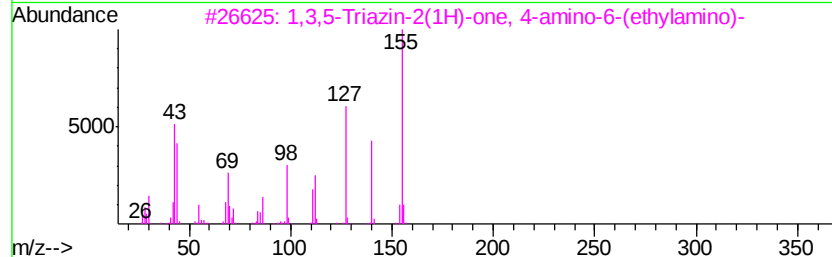
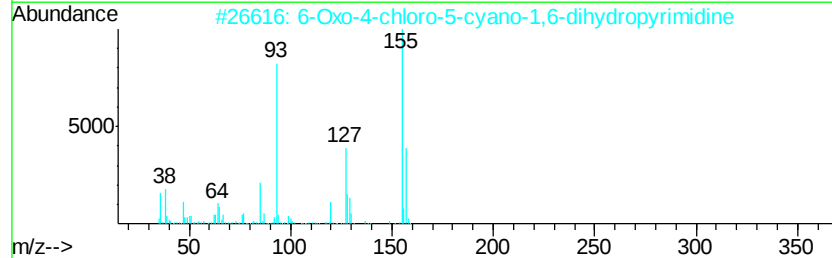
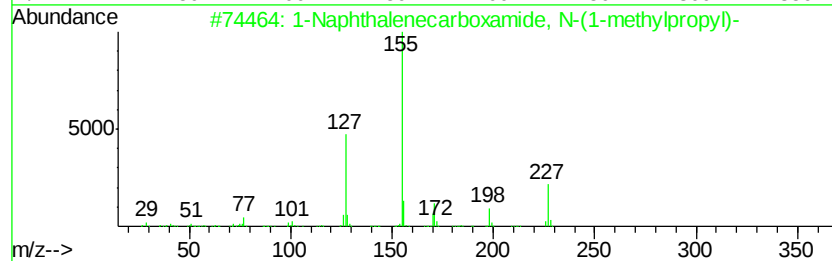
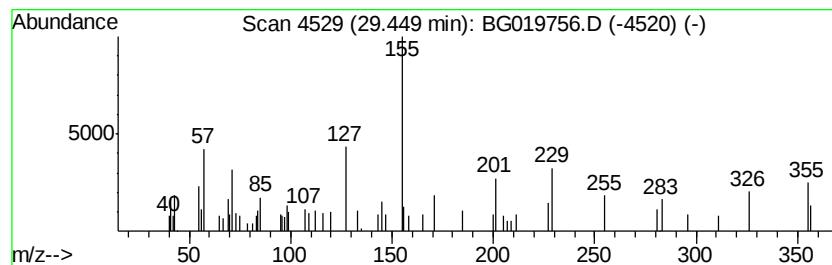
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 unknown-02 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.45	2.46 ng/ul	88225	Perylene-d12	25.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Naphthalenecarboxamide, N-(1-m...	227	C15H17NO	031609-18-4	46
2		6-Oxo-4-chloro-5-cvano-1,6-dihyd...	155	C5H2ClN3O	005305-43-1	43
3		1,3,5-Triazin-2(1H)-one, 4-amino...	155	C5H9N5O	007313-54-4	43
4		Trimethyl butane-1,3,3-tricarbox...	232	C10H16O6	1000110-14-8	38
5		2H-Pyran-2-carboxylic acid, 6-bu...	228	C12H20O4	026457-97-6	37



Data Path : V:\HPCHEM1\BNA_G\DATA\BG112015\
Data File : BG019756.D
Acq On : 21 Nov 2015 16:17
Operator : UM/NP
Sample : G4310-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9KM1

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG111615.M
Quant Title : SVOA CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-methoxy...	3.12	23.6	ng/ul	171963	1	8.11	146001	20.0
1-Hexadecanesulfo...	21.38	2.4	ng/ul	82626	5	21.76	696453	20.0
unknown-01	24.37	2.1	ng/ul	73814	6	25.07	716903	20.0
(DEL) Alkane: Str...	26.21	3.2	ng/ul	114331	6	25.07	716903	20.0
1,4-Dioxaspiro[4...	26.48	2.5	ng/ul	89517	6	25.07	716903	20.0
(DEL) Alkane: Str...	27.60	2.6	ng/ul	94841	6	25.07	716903	20.0
unknown-02	29.45	2.5	ng/ul	88225	6	25.07	716903	20.0