

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012617\
 Data File : BG025689.D
 Acq On : 27 Jan 2017 5:42
 Operator : SJ/MA
 Sample : I1425-17
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BDP88

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.1
 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: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.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	2.927	11	15	21	rVB4	32677	48792	1.07%	0.143%
2	3.015	26	30	35	rBV	51960	85424	1.88%	0.250%
3	3.068	35	39	46	rVB2	128004	175163	3.85%	0.513%
4	3.150	50	53	58	rBV4	42358	67477	1.48%	0.198%
5	3.508	110	114	120	rBV5	18056	26775	0.59%	0.078%
6	3.773	155	159	161	rBV3	6185	9528	0.21%	0.028%
7	3.837	168	170	173	rVB3	8293	8737	0.19%	0.026%
8	4.019	196	201	213	rVB3	60417	110783	2.43%	0.324%
9	4.460	272	276	278	rVB4	6088	9073	0.20%	0.027%
10	4.572	292	295	302	rVB5	5443	8213	0.18%	0.024%
11	4.660	302	310	318	rBV8	8338	21654	0.48%	0.063%
12	4.848	339	342	347	rVB6	7001	10917	0.24%	0.032%
13	4.918	348	354	359	rVB7	4603	8938	0.20%	0.026%
14	5.236	403	408	414	rBV6	9319	24530	0.54%	0.072%
15	5.341	425	426	432	rBV4	7627	9860	0.22%	0.029%
16	5.435	436	442	447	rBV6	6343	9635	0.21%	0.028%
17	5.524	454	457	462	rVB4	6912	11959	0.26%	0.035%
18	5.588	462	468	474	rBV4	9345	16897	0.37%	0.049%
19	5.659	476	480	487	rVB7	5133	9431	0.21%	0.028%
20	5.753	487	496	501	rBV2	14577	34765	0.76%	0.102%
21	5.800	503	504	510	rVB4	6906	9048	0.20%	0.026%
22	5.923	518	525	534	rVB4	7560	23119	0.51%	0.068%
23	6.105	553	556	567	rBV9	5620	17844	0.39%	0.052%
24	6.375	598	602	607	rBV5	8106	14141	0.31%	0.041%
25	6.417	607	609	614	rVV6	7148	9937	0.22%	0.029%
26	6.475	614	619	625	rVB8	12585	25536	0.56%	0.075%
27	6.634	639	646	651	rVB5	18678	39048	0.86%	0.114%
28	6.722	652	661	666	rBV9	25497	52009	1.14%	0.152%
29	6.828	671	679	683	rBV7	5265	12295	0.27%	0.036%
30	6.869	683	686	690	rBV5	7278	8988	0.20%	0.026%
31	6.934	692	697	702	rBV5	16913	25499	0.56%	0.075%
32	7.034	709	714	717	rVB6	6675	8641	0.19%	0.025%
33	7.104	723	726	734	rVB7	8599	14521	0.32%	0.043%
34	7.245	742	750	757	rBV7	4895	11796	0.26%	0.035%

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35	7.339	757	766	782	rBV3	241530	593180	13.03%	1.737%
36	7.492	785	792	807	rVB	201923	376778	8.28%	1.103%
37	7.709	822	829	843	rBV	251797	468588	10.29%	1.372%
38	8.173	901	908	925	rVB	282166	541757	11.90%	1.586%
39	8.826	1010	1019	1021	rBV6	5708	14338	0.31%	0.042%
40	8.896	1022	1031	1049	rVV2	294601	644716	14.16%	1.888%
41	9.031	1049	1054	1063	rVB10	12716	31749	0.70%	0.093%
42	9.360	1102	1110	1123	rVV	292134	592977	13.03%	1.736%
43	9.677	1156	1164	1166	rBV5	12508	25816	0.57%	0.076%
44	10.089	1227	1234	1245	rBV2	181071	380335	8.35%	1.114%
45	10.641	1317	1328	1344	rBV2	274460	659316	14.48%	1.930%
46	10.905	1369	1373	1377	rVB5	7352	11783	0.26%	0.034%
47	10.999	1382	1389	1400	rBV	436206	816993	17.95%	2.392%
48	11.152	1407	1415	1432	rBV2	242478	585559	12.86%	1.714%
49	11.528	1474	1479	1481	rVB5	5489	10084	0.22%	0.030%
50	11.975	1547	1555	1557	rBV9	6442	11425	0.25%	0.033%
51	12.022	1557	1563	1570	rVB6	8925	20026	0.44%	0.059%
52	12.128	1577	1581	1585	rBV4	8677	10109	0.22%	0.030%
53	12.592	1655	1660	1662	rBV4	6711	10521	0.23%	0.031%
54	12.985	1721	1727	1728	rBV5	5977	9196	0.20%	0.027%
55	13.397	1789	1797	1800	rBV4	6828	14319	0.31%	0.042%
56	13.585	1824	1829	1833	rBV5	9697	14884	0.33%	0.044%
57	13.655	1836	1841	1847	rBV7	13401	25377	0.56%	0.074%
58	13.826	1865	1870	1871	rVB4	8556	10294	0.23%	0.030%
59	13.961	1889	1893	1895	rBV2	6746	9100	0.20%	0.027%
60	14.090	1911	1915	1925	rBV2	6177	20009	0.44%	0.059%
61	14.202	1926	1934	1939	rVV	734713	1180282	25.93%	3.456%
62	14.249	1939	1942	1952	rVB	165016	251025	5.51%	0.735%
63	14.501	1978	1985	1996	rBV	821714	1382083	30.36%	4.046%
64	14.648	2005	2010	2016	rVB2	37654	56639	1.24%	0.166%
65	14.807	2027	2037	2048	rBV	742446	1203086	26.43%	3.522%
66	15.077	2077	2083	2100	rBV5	69208	264685	5.81%	0.775%
67	15.259	2110	2114	2121	rVB9	17016	23775	0.52%	0.070%
68	15.330	2124	2126	2132	rVB7	13676	20313	0.45%	0.059%
69	15.553	2159	2164	2166	rVB5	16121	15203	0.33%	0.045%
70	15.594	2166	2171	2176	rBV	88398	123793	2.72%	0.362%
71	15.635	2176	2178	2184	rBV7	8561	15843	0.35%	0.046%

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72	15.794	2197	2205	2216	rBV	1113271	1809261	39.74%	5.297%
73	15.947	2225	2231	2237	rBV3	117704	247999	5.45%	0.726%
74	16.035	2244	2246	2251	rVB6	22441	23388	0.51%	0.068%
75	16.140	2260	2264	2268	rBV6	13030	25031	0.55%	0.073%
76	16.211	2274	2276	2283	rBV8	15749	19091	0.42%	0.056%
77	16.452	2312	2317	2326	rBV3	136666	305030	6.70%	0.893%
78	16.722	2359	2363	2366	rBV6	14041	17711	0.39%	0.052%
79	16.793	2370	2375	2378	rBV6	17639	27611	0.61%	0.081%
80	16.846	2381	2384	2389	rVB7	24335	47422	1.04%	0.139%
81	17.239	2447	2451	2456	rBV	112824	149814	3.29%	0.439%
82	17.292	2456	2460	2467	rVB3	77002	116624	2.56%	0.341%
83	17.551	2497	2504	2514	rBV	840556	1371573	30.13%	4.016%
84	17.656	2515	2522	2530	rVV	1094257	1779657	39.09%	5.211%
85	17.903	2560	2564	2567	rVB5	19569	27768	0.61%	0.081%
86	17.980	2572	2577	2583	rBV	94167	131756	2.89%	0.386%
87	18.391	2644	2647	2657	rVB	31703	58987	1.30%	0.173%
88	18.579	2676	2679	2684	rBV6	17460	23908	0.53%	0.070%
89	18.667	2690	2694	2698	rBV	73161	91349	2.01%	0.267%
90	19.296	2797	2801	2804	rVB4	55698	72965	1.60%	0.214%
91	19.789	2879	2885	2893	rBV	3965011	4552248	100.00%	13.328%
92	19.866	2894	2898	2902	rVB3	72150	98144	2.16%	0.287%
93	19.930	2902	2909	2920	rBV	1508935	2193180	48.18%	6.421%
94	20.394	2984	2988	2991	rBV2	87639	130345	2.86%	0.382%
95	20.829	3057	3062	3068	rBV	3253715	3826083	84.05%	11.202%
96	20.888	3069	3072	3079	rVB3	87796	108893	2.39%	0.319%
97	21.405	3157	3160	3175	rVB3	93075	263997	5.80%	0.773%
98	21.846	3228	3235	3247	rVB	893255	1638986	36.00%	4.799%
99	25.001	3763	3772	3784	rBV	707499	2144244	47.10%	6.278%
100	25.236	3803	3812	3824	rVB	450797	1425111	31.31%	4.172%

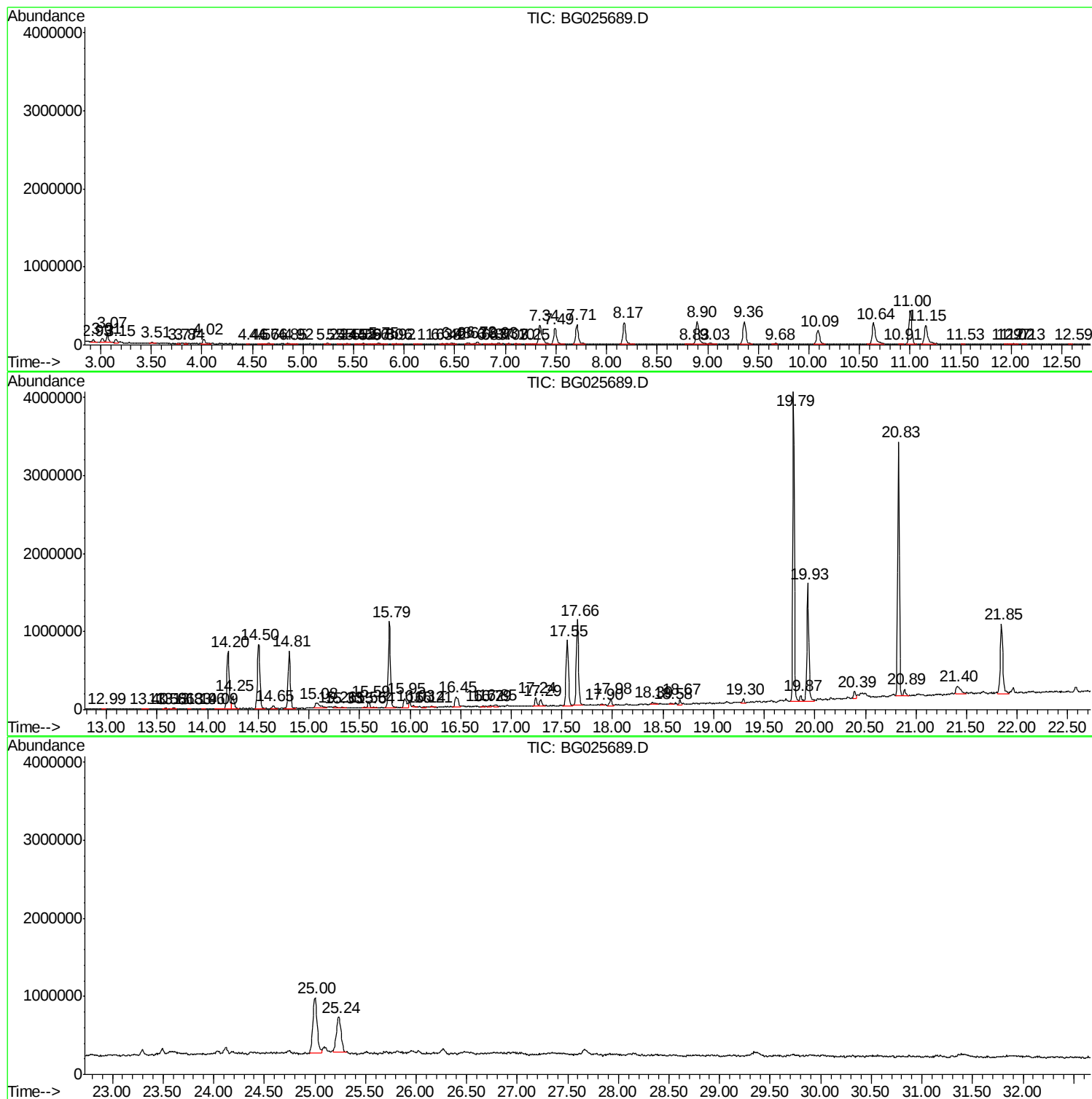
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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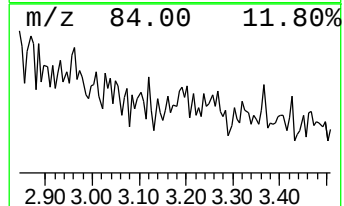
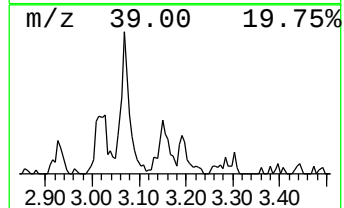
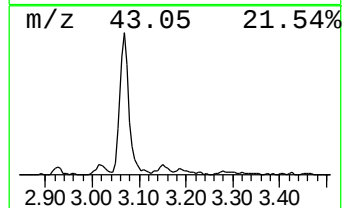
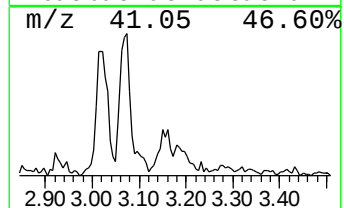
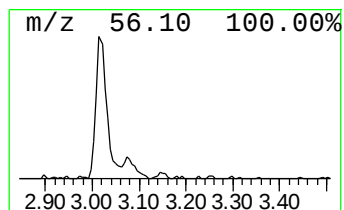
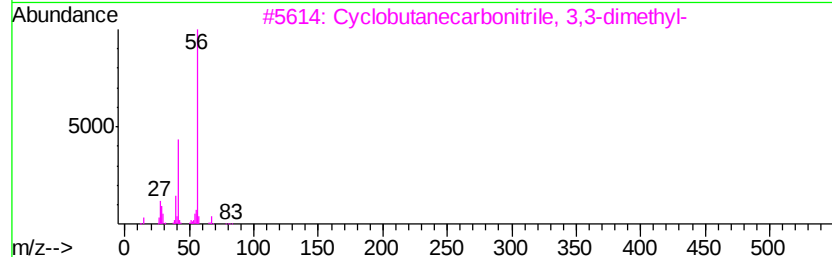
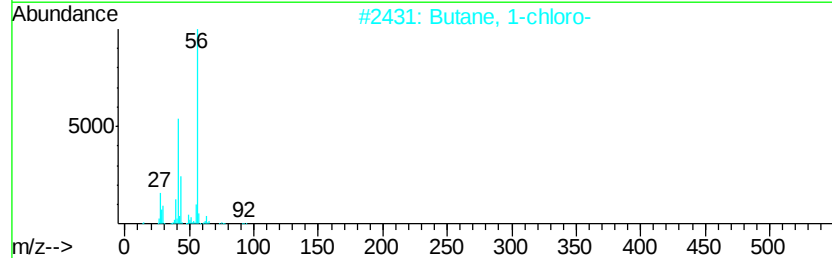
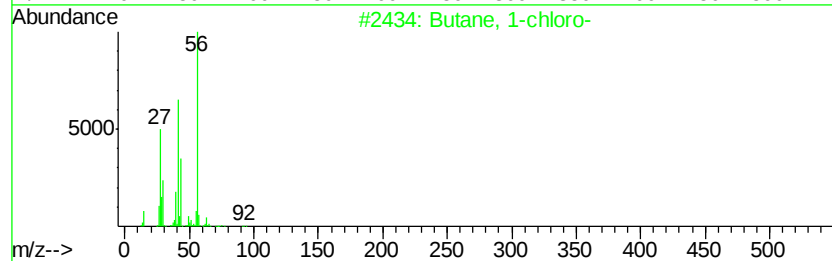
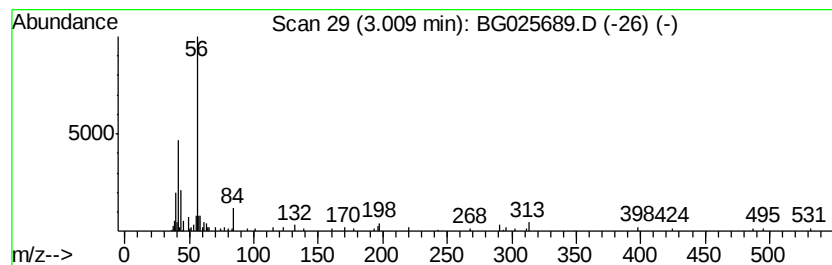
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 1-chloro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.01	3.15 ng/ul	85424	1,4-Dichlorobenzene-d4	8.17

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 1-chloro-	92	C4H9Cl	000109-69-3	64
2			Butane, 1-chloro-	92	C4H9Cl	000109-69-3	64
3			Cyclobutanecarbonitrile, 3,3-dim...	109	C7H11N	053783-86-1	59
4			Butane, 1-chloro-	92	C4H9Cl	000109-69-3	59
5			Butane, 1-chloro-	92	C4H9Cl	000109-69-3	59



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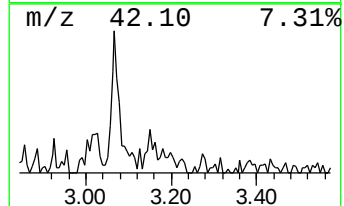
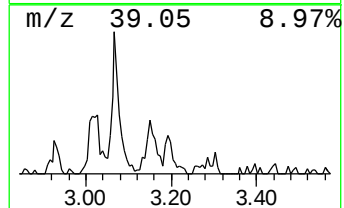
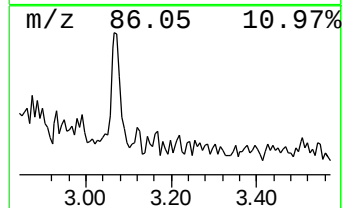
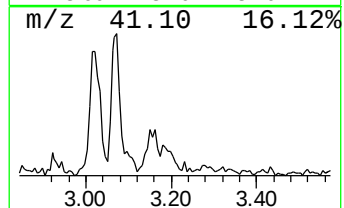
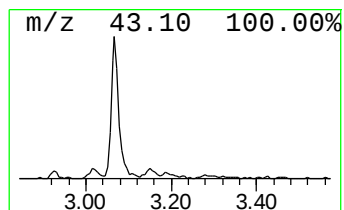
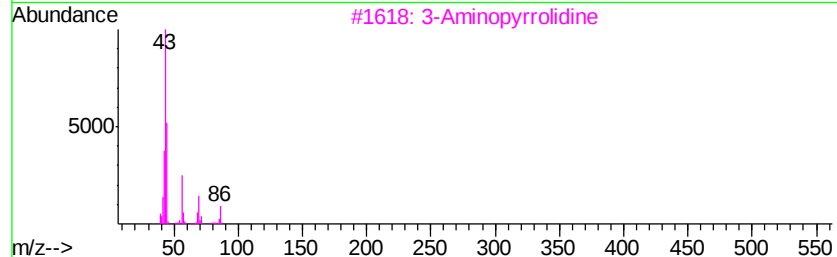
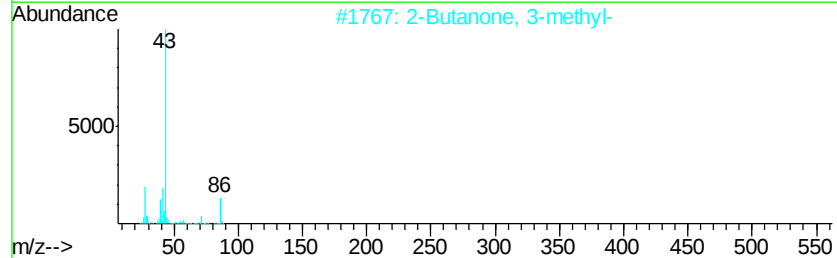
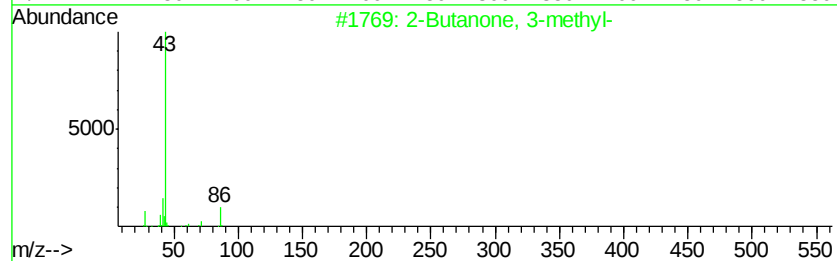
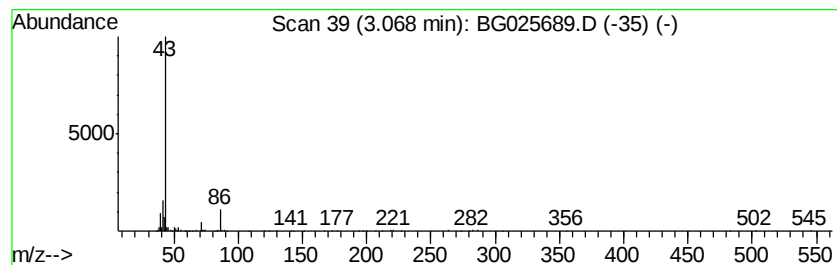
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown-01 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.07	6.47 ng/ul	175163	1,4-Dichlorobenzene-d4	8.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	49
2		2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	47
3		3-Aminopyrrolidine	86	C4H10N2	079286-79-6	28
4		2,3-Butanedione	86	C4H6O2	000431-03-8	9
5		Propane, 2-(ethenyloxy)-	86	C5H10O	000926-65-8	9



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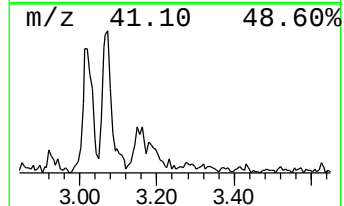
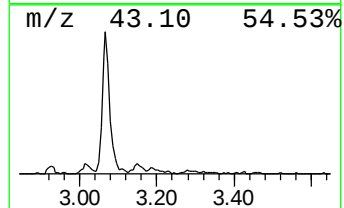
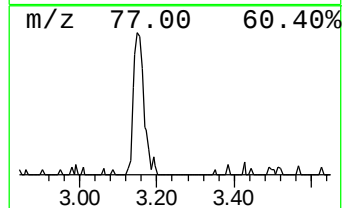
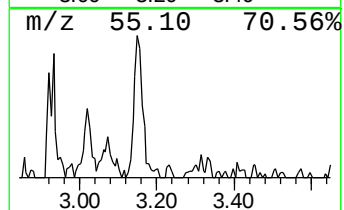
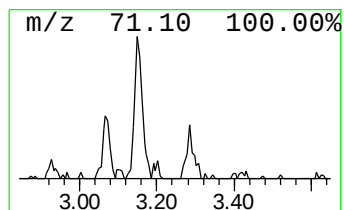
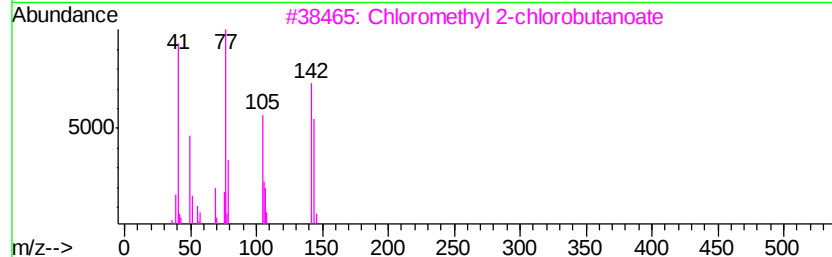
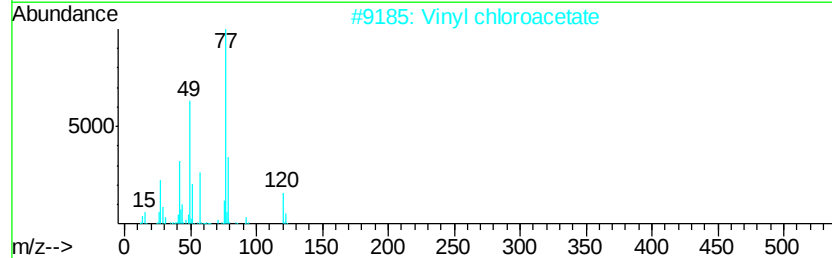
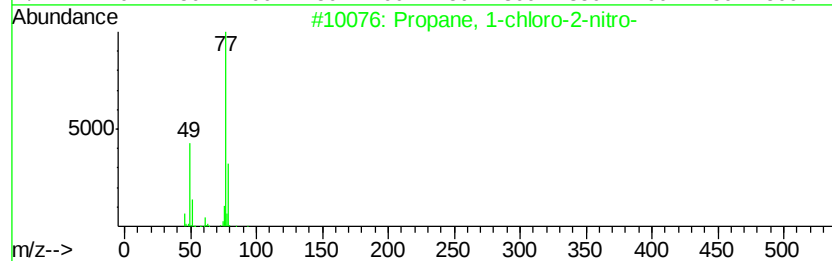
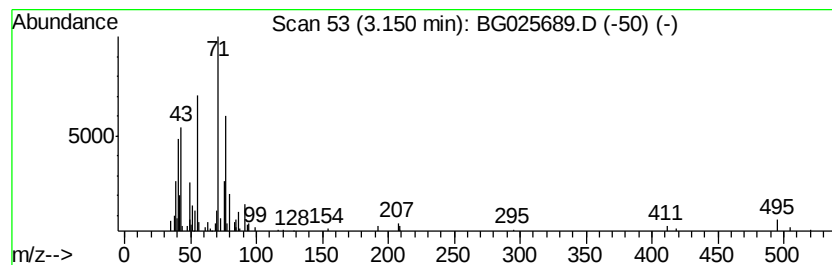
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 unknown-02 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.15	2.49 ng/ul	67477	1,4-Dichlorobenzene-d4	8.17

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propane, 1-chloro-2-nitro-	123	C3H6ClNO2	002425-66-3	38
2			Vinyl chloroacetate	120	C4H5ClO2	002549-51-1	38
3			Chloromethyl 2-chlorobutanoate	170	C5H8Cl2O2	080418-47-9	38
4			Acetic acid, chloro-, ethyl ester	122	C4H7ClO2	000105-39-5	32
5			2-Propanone, 1,1,1,3-tetrachloro-	194	C3H2Cl4O	016995-35-0	32



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Data File : BG025689.D
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Operator : SJ/MA
Sample : I1425-17
Misc :
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ClientSampleId :
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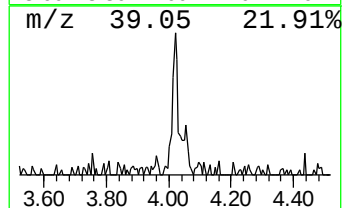
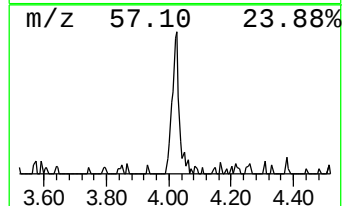
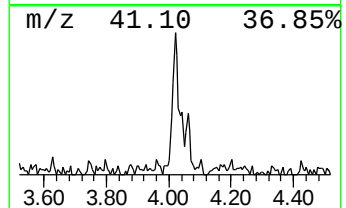
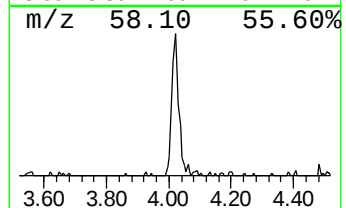
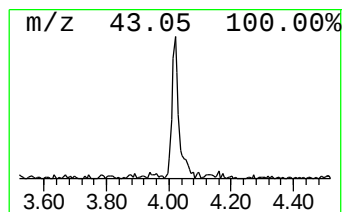
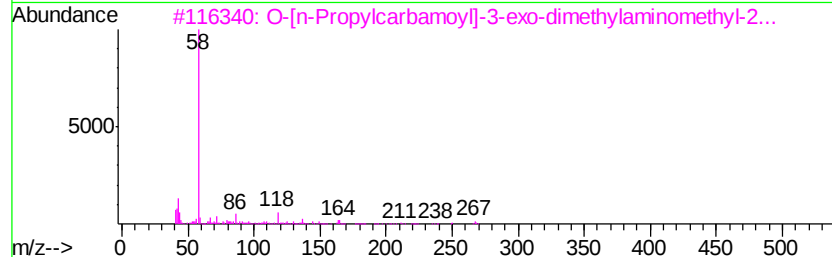
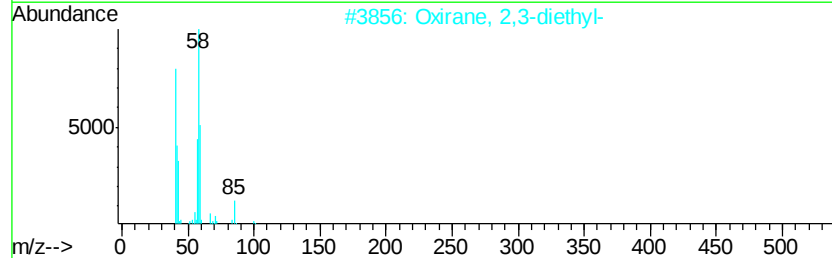
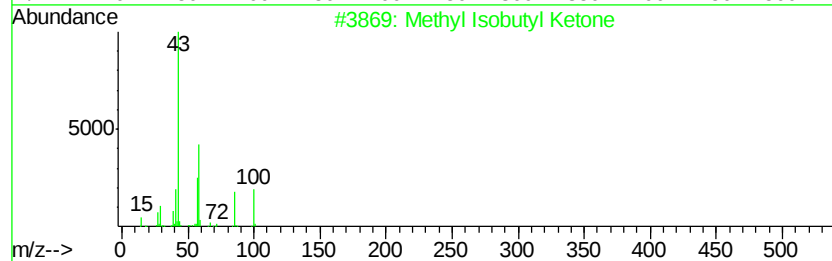
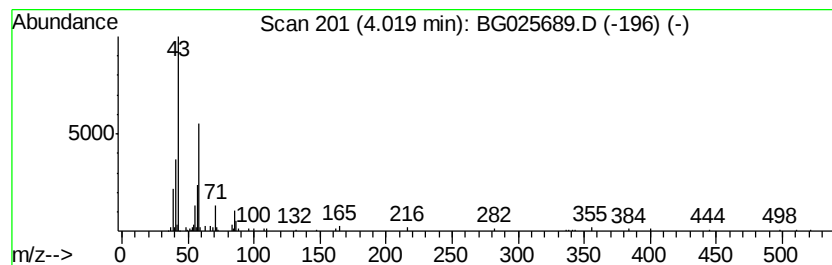
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Methyl Isobutyl Ketone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.02	4.09 ng/ul	110783	1,4-Dichlorobenzene-d4	8.17

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Methyl Isobutyl Ketone	100	C6H12O	000108-10-1	53
2		Oxirane, 2,3-diethyl-	100	C6H12O	004468-66-0	53
3		O-[n-Propylcarbamoyl]-3-exo-dime...	267	C14H25N3O2	1000211-95-3	43
4		Pentanal, 2,3-dimethyl-	114	C7H14O	032749-94-3	42
5		2-Hexanone	100	C6H12O	000591-78-6	42



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012617\
Data File : BG025689.D
Acq On : 27 Jan 2017 5:42
Operator : SJ/MA
Sample : I1425-17
Misc :
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Instrument :
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ClientSampleId :
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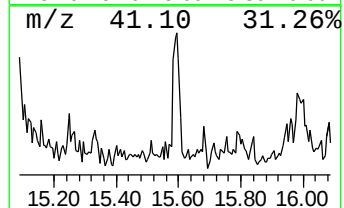
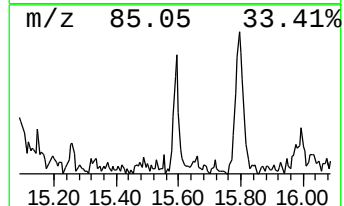
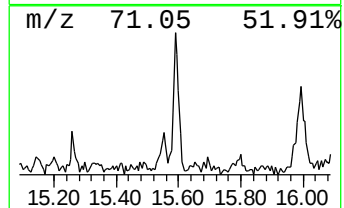
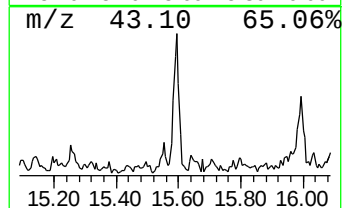
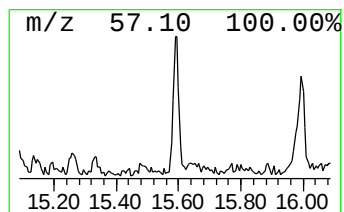
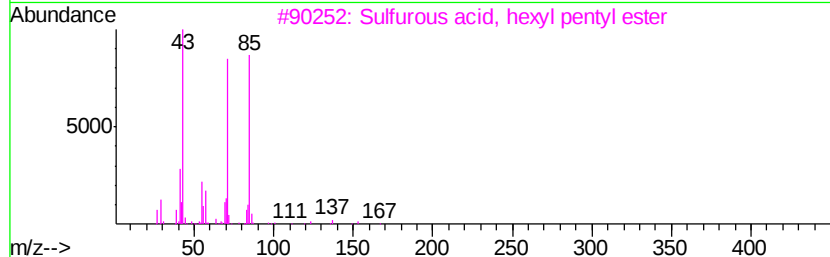
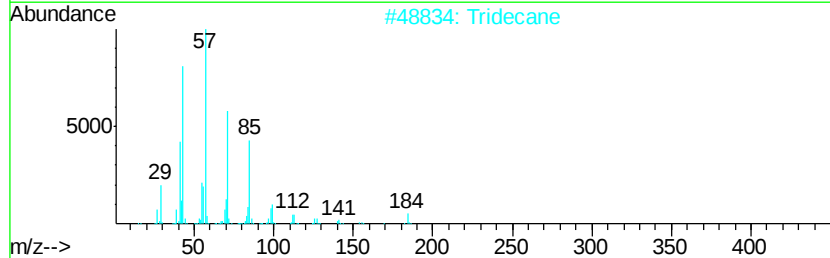
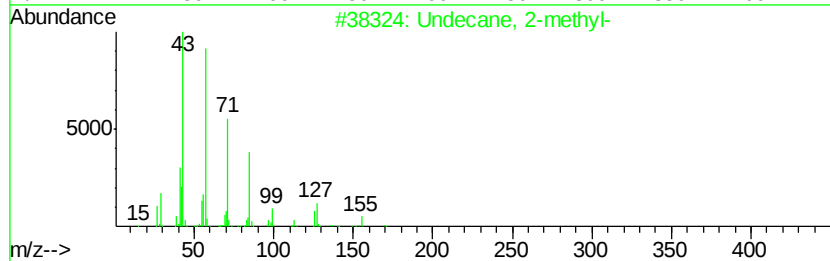
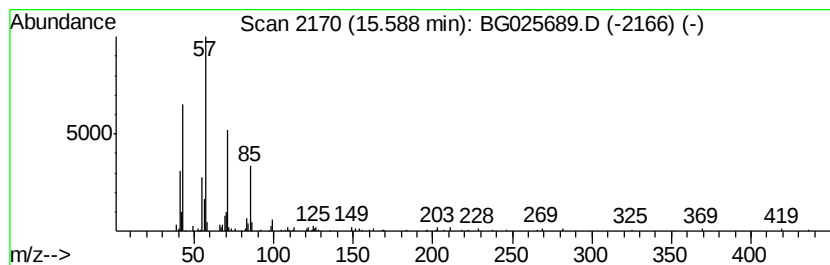
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.59	2.06 ng/ul	123793	Acenaphthene-d10	14.81

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2-methyl-	170	C12H26	007045-71-8	83	
2	Tridecane	184	C13H28	000629-50-5	80	
3	Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	53	
4	Hexadecane	226	C16H34	000544-76-3	52	
5	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	50	



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012617\
Data File : BG025689.D
Acq On : 27 Jan 2017 5:42
Operator : SJ/MA
Sample : I1425-17
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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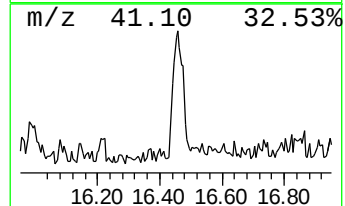
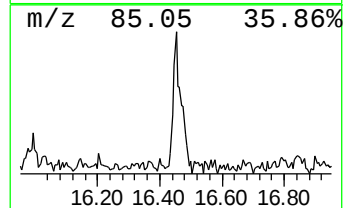
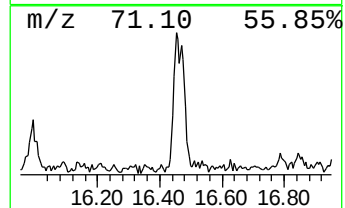
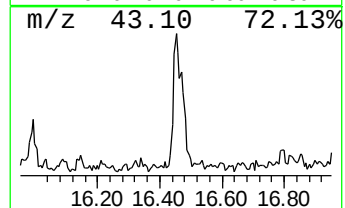
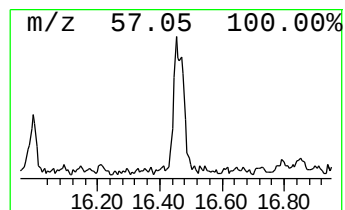
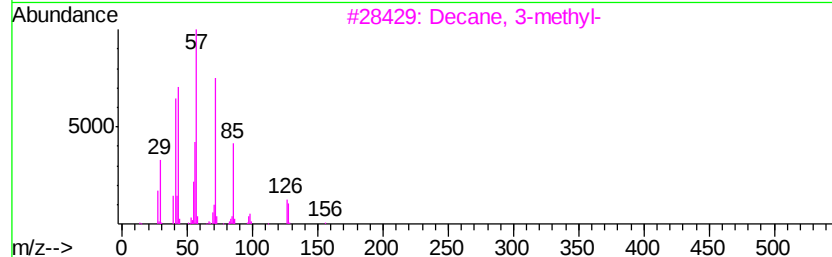
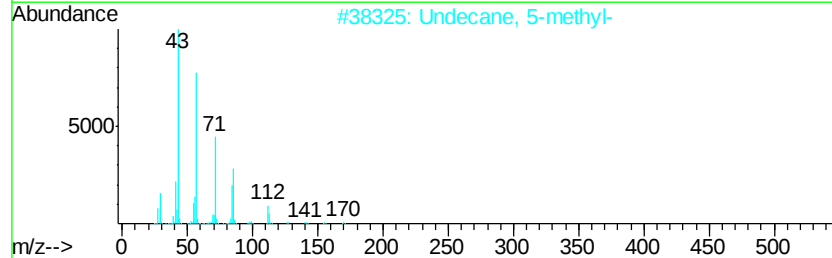
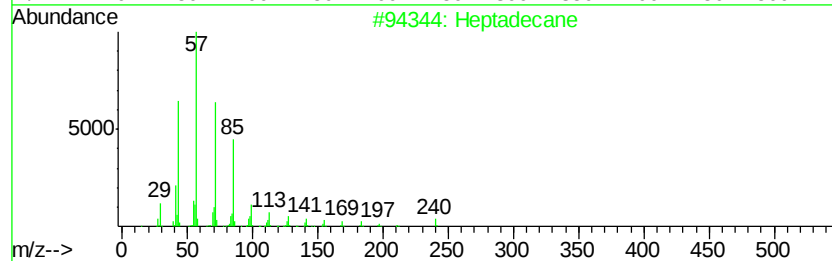
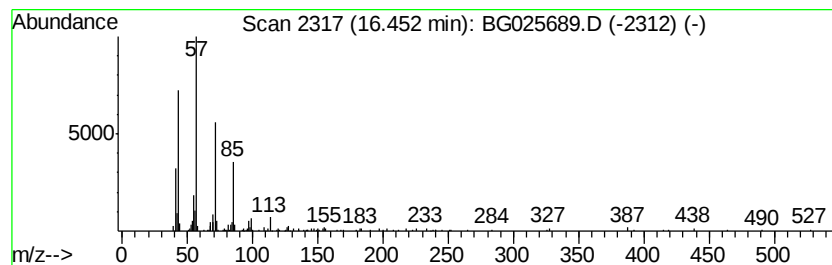
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.45	4.45 ng/ul	305030	Phenanthrene-d10	17.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane	240	C17H36	000629-78-7	74
2		Undecane, 5-methyl-	170	C12H26	001632-70-8	72
3		Decane, 3-methyl-	156	C11H24	013151-34-3	72
4		Hexadecane, 2-methyl-	240	C17H36	001560-92-5	72
5		Eicosane	282	C20H42	000112-95-8	72



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012617\
Data File : BG025689.D
Acq On : 27 Jan 2017 5:42
Operator : SJ/MA
Sample : I1425-17
Misc :
ALS Vial : 28 Sample Multiplier: 1

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ClientSampleId :
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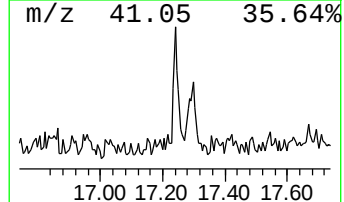
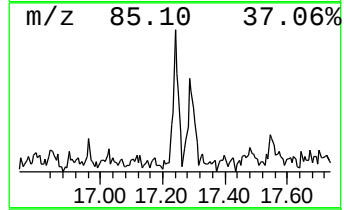
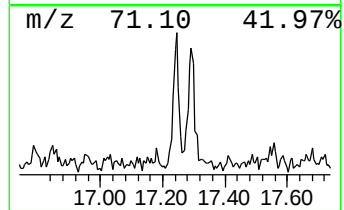
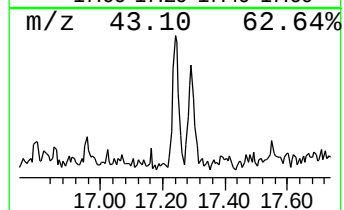
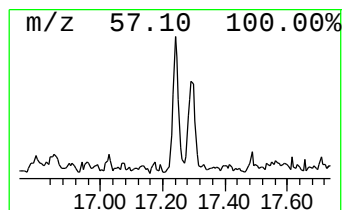
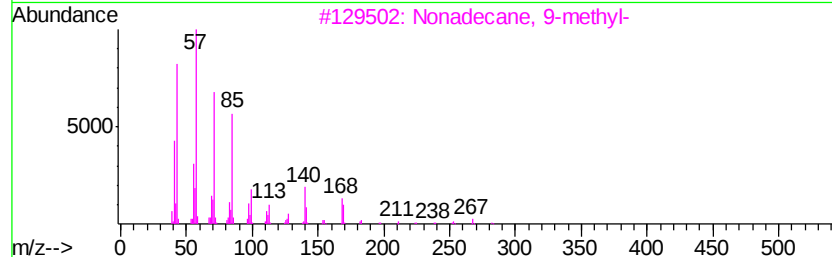
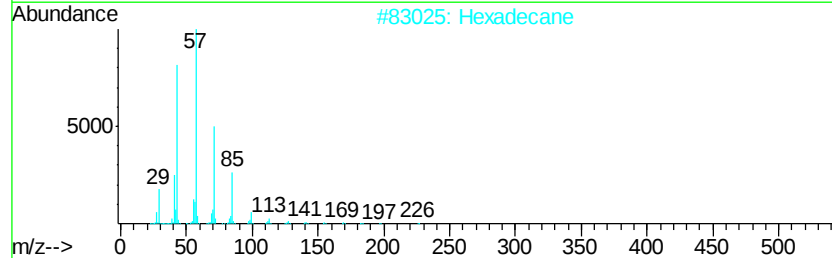
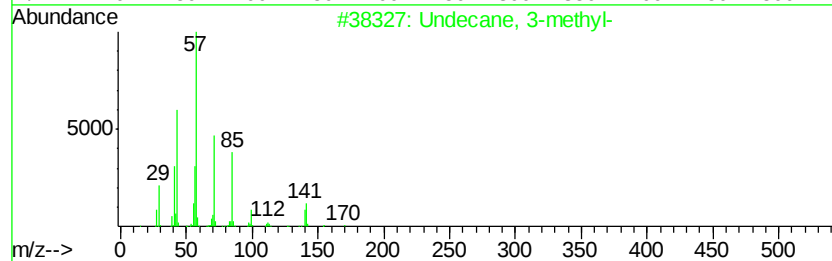
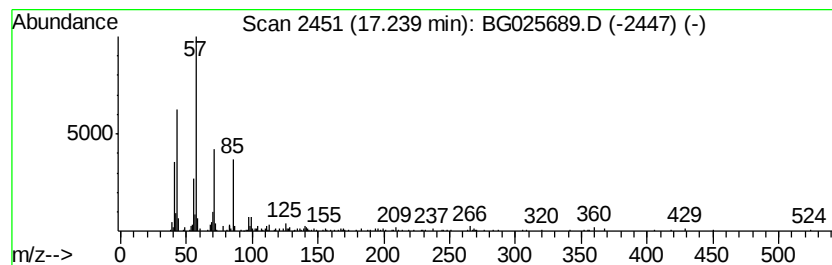
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.24	2.18 ng/ul	149814	Phenanthrene-d10	17.55

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 3-methyl-	170	C12H26	001002-43-3	72
2			Hexadecane	226	C16H34	000544-76-3	72
3			Nonadecane, 9-methyl-	282	C20H42	013287-24-6	72
4			Eicosane, 3-methyl-	296	C21H44	006418-46-8	72
5			Eicosane	282	C20H42	000112-95-8	60



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012617\
Data File : BG025689.D
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Misc :
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ClientSampleId :
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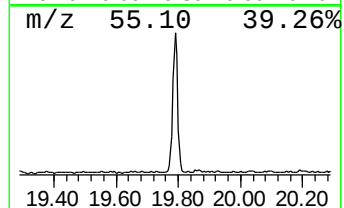
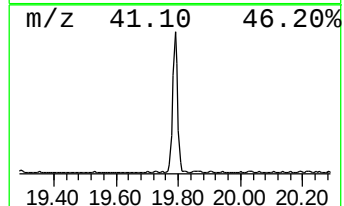
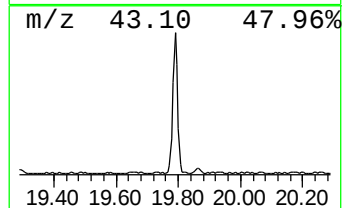
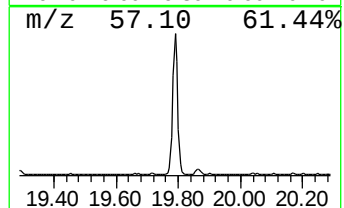
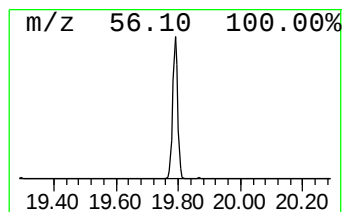
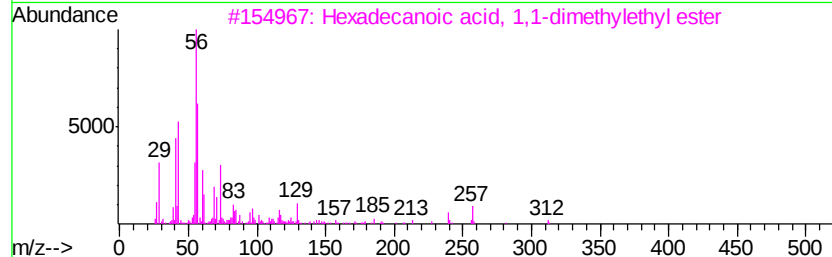
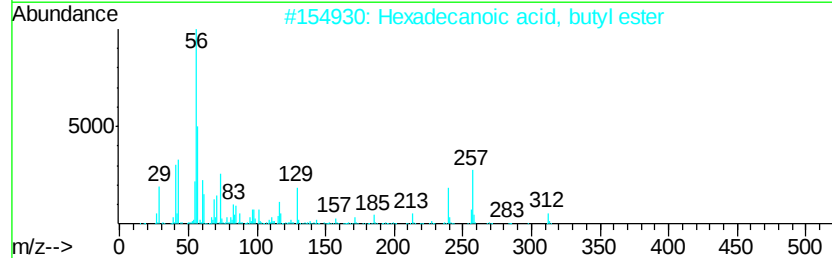
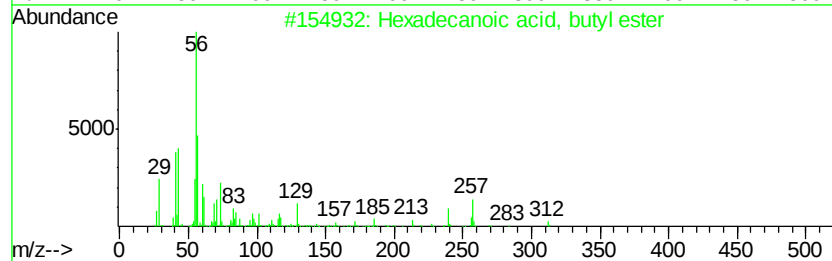
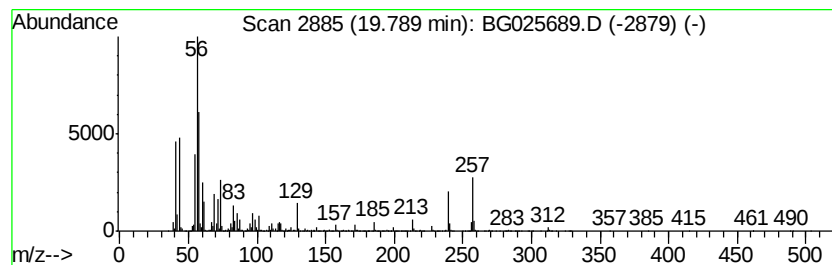
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Hexadecanoic acid, butyl ester Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.79	55.55 ng/ul	4552250	Chrysene-d12	21.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	96
2		Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	90
3		Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	60
4		Hexadecanoic acid, 2-methylpropy...	312	C20H40O2	000110-34-9	55
5		Cyclobutane, 1,1-dimethyl-2-octyl-	196	C14H28	062338-30-1	35



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012617\
Data File : BG025689.D
Acq On : 27 Jan 2017 5:42
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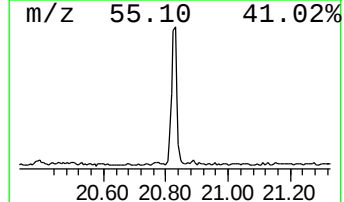
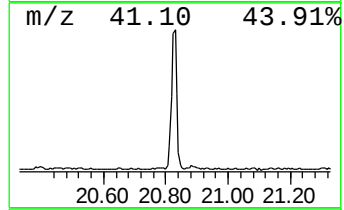
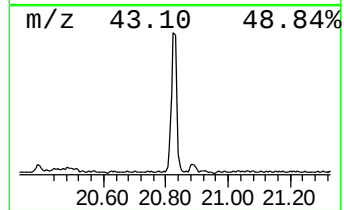
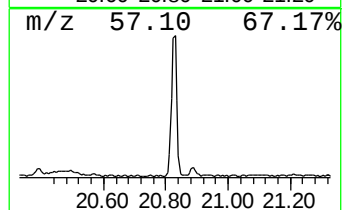
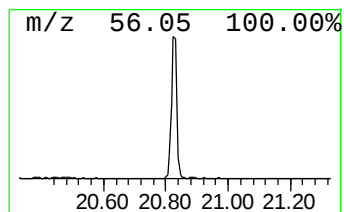
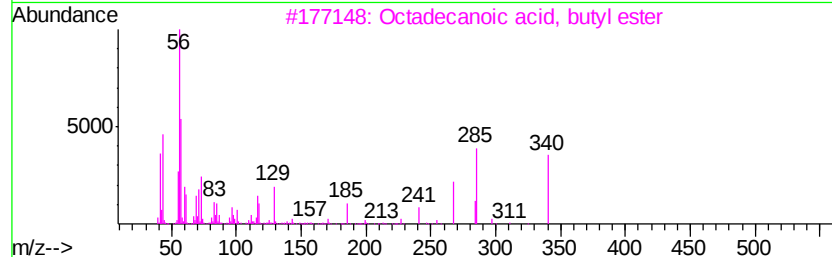
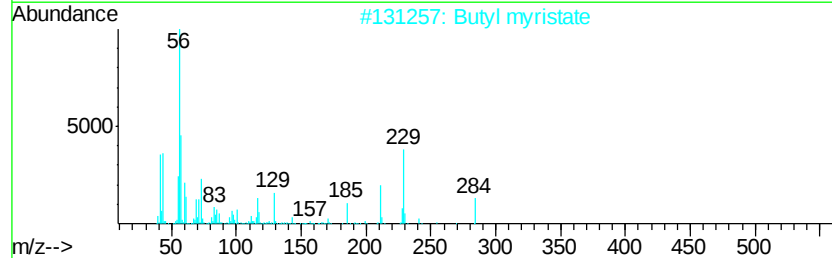
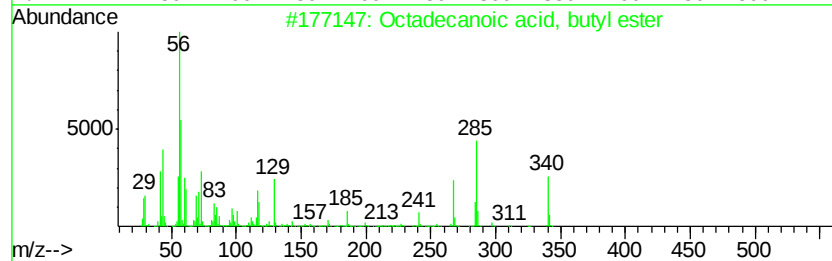
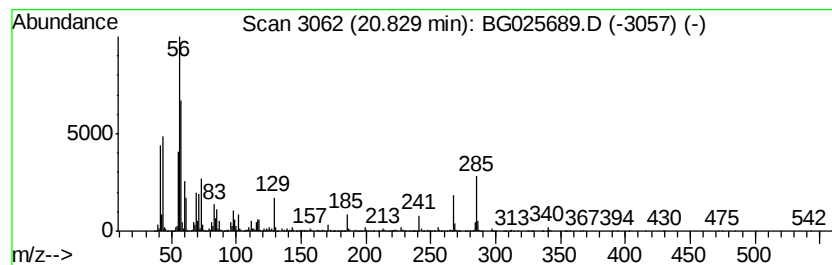
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Octadecanoic acid, butyl ester Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	46.69 ng/ul	3826080	Chrysene-d12	21.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	78
2		Butyl myristate	284	C18H36O2	000110-36-1	64
3		Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	56
4		Octadecanoic acid, 2-methylpropy...	340	C22H44O2	000646-13-9	45
5		Sulphuric acid dibutyl ester	210	C8H18O4S	000625-22-9	35



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012617\
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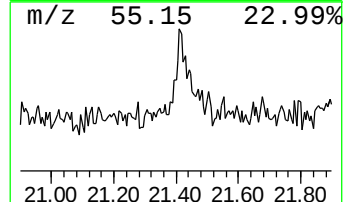
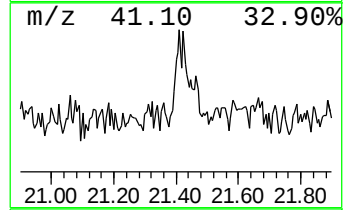
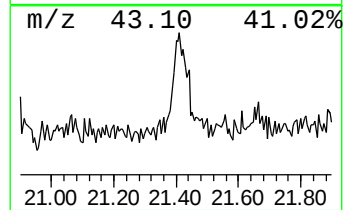
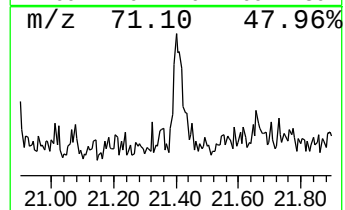
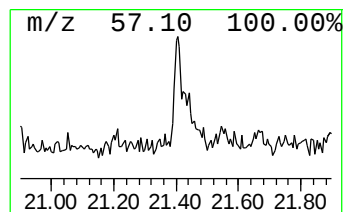
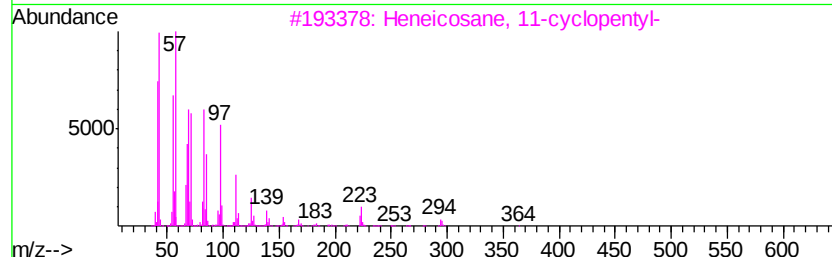
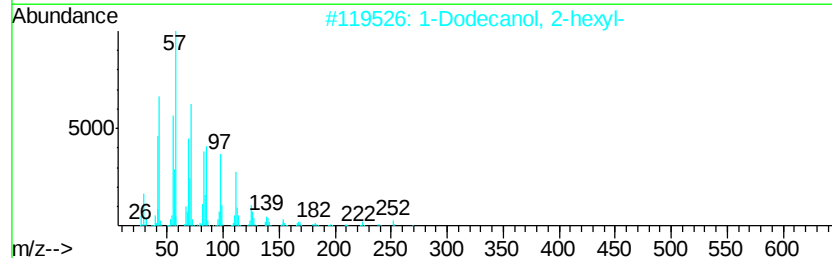
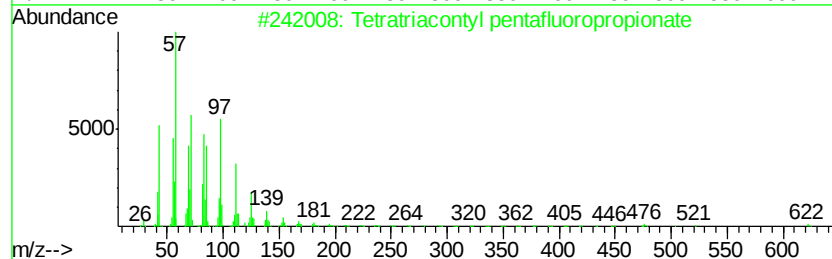
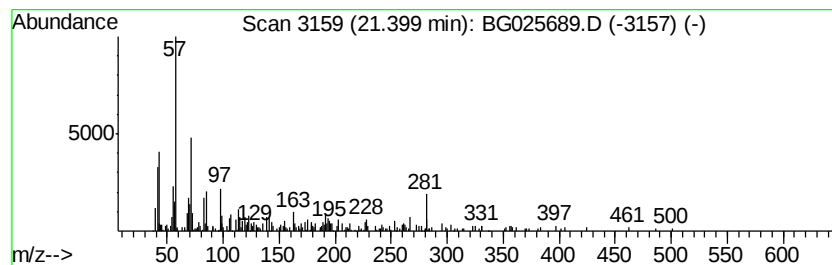
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 unknown-03 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.40	3.22 ng/ul	263997	Chrysene-d12	21.85
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Tetratriacontyl pentafluoropropi...	641 C37H69F5O2	1000351-81-5 35
2		1-Dodecanol, 2-hexyl-	270 C18H38O	110225-00-8 35
3		Heneicosane, 11-cyclopentyl-	364 C26H52	006703-81-7 35
4		Heptadecafluorononanoic acid, te...	660 C23H29F17O2	1000356-03-0 22
5		Ethanol, 2-(tetradecyloxy)-	258 C16H34O2	002136-70-1 22



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012617\
Data File : BG025689.D
Acq On : 27 Jan 2017 5:42
Operator : SJ/MA
Sample : I1425-17
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BDP88

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 1-chloro-	3.01	3.1	ng/ul	85424	1	8.17	541757	20.0
unknown-01	3.07	6.5	ng/ul	175163	1	8.17	541757	20.0
unknown-02	3.15	2.5	ng/ul	67477	1	8.17	541757	20.0
Methyl Isobutyl K...	4.02	4.1	ng/ul	110783	1	8.17	541757	20.0
(DEL) Alkane: Str...	15.59	2.1	ng/ul	123793	3	14.81	1203090	20.0
(DEL) Alkane: Str...	16.45	4.5	ng/ul	305030	4	17.55	1371570	20.0
(DEL) Alkane: Str...	17.24	2.2	ng/ul	149814	4	17.55	1371570	20.0
Hexadecanoic acid...	19.79	55.5	ng/ul	4552250	5	21.85	1638990	20.0
Octadecanoic acid...	20.83	46.7	ng/ul	3826080	5	21.85	1638990	20.0
unknown-03	21.40	3.2	ng/ul	263997	5	21.85	1638990	20.0