

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\
 Data File : BG025608.D
 Acq On : 24 Jan 2017 15:14
 Operator : UM/SJ
 Sample : I1316-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BDP13

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	3.113	41	47	58	rVB	9877	40459	0.27%	0.062%
2	3.507	109	114	119	rBV6	13050	19161	0.13%	0.029%
3	4.412	263	268	275	rBV7	7599	17701	0.12%	0.027%
4	7.338	759	766	783	rBV2	308961	768994	5.06%	1.173%
5	7.490	783	792	808	rVB	254165	469328	3.09%	0.716%
6	7.708	821	829	846	rBV	316547	623024	4.10%	0.950%
7	8.178	901	909	925	rBV2	308255	566856	3.73%	0.864%
8	8.895	1024	1031	1055	rBV2	393172	842182	5.54%	1.284%
9	9.365	1103	1111	1128	rVB	362258	729557	4.80%	1.113%
10	9.670	1157	1163	1170	rBV3	17715	34369	0.23%	0.052%
11	10.093	1225	1235	1249	rBV2	334058	700515	4.61%	1.068%
12	10.640	1318	1328	1350	rBV2	395844	937035	6.16%	1.429%
13	10.787	1350	1353	1360	rVB6	7699	16022	0.11%	0.024%
14	11.004	1380	1390	1402	rBV	462842	854397	5.62%	1.303%
15	11.151	1407	1415	1436	rBV2	253422	638383	4.20%	0.973%
16	14.206	1924	1935	1939	rBV	957572	1537519	10.11%	2.345%
17	14.253	1939	1943	1954	rVB	226555	392793	2.58%	0.599%
18	14.506	1978	1986	2003	rVB	1129153	1787065	11.75%	2.725%
19	14.653	2005	2011	2019	rBV2	31044	50661	0.33%	0.077%
20	14.805	2027	2037	2049	rVB	860334	1422628	9.35%	2.169%
21	15.052	2070	2079	2098	rBV2	234319	688132	4.52%	1.049%
22	15.264	2110	2115	2123	rVV8	11272	26479	0.17%	0.040%
23	15.334	2123	2127	2132	rVB7	10198	19778	0.13%	0.030%
24	15.557	2159	2165	2168	rBV2	25982	40859	0.27%	0.062%
25	15.593	2168	2171	2177	rVB2	76145	90933	0.60%	0.139%
26	15.798	2195	2206	2217	rVB	1490730	2403984	15.81%	3.666%
27	15.939	2222	2230	2243	rBV	387390	784659	5.16%	1.197%
28	16.039	2243	2247	2253	rVV9	32915	68803	0.45%	0.105%
29	16.098	2253	2257	2261	rVV6	12369	19134	0.13%	0.029%
30	16.151	2261	2266	2273	rVB7	12285	25160	0.17%	0.038%
31	16.221	2273	2278	2282	rBV7	15030	18839	0.12%	0.029%
32	16.456	2312	2318	2328	rBV	93370	162444	1.07%	0.248%
33	16.803	2371	2377	2379	rBV7	13928	21822	0.14%	0.033%
34	16.856	2380	2386	2391	rVB9	9216	19678	0.13%	0.030%

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35	16.968	2400	2405	2407	rVB4	12589	16767	0.11%	0.026%
36	17.244	2442	2452	2456	rBV	93480	129219	0.85%	0.197%
37	17.291	2456	2460	2465	rVB3	29449	44879	0.30%	0.068%
38	17.555	2498	2505	2513	rBV	1205667	1884112	12.39%	2.873%
39	17.655	2515	2522	2536	rVB	1686253	2673193	17.58%	4.076%
40	17.890	2561	2562	2570	rVB7	10825	22209	0.15%	0.034%
41	17.984	2570	2578	2584	rBV2	90761	130035	0.86%	0.198%
42	18.260	2621	2625	2635	rBV10	10774	35283	0.23%	0.054%
43	18.395	2640	2648	2659	rBV3	146958	275839	1.81%	0.421%
44	18.483	2659	2663	2667	rVB6	17519	27246	0.18%	0.042%
45	18.577	2673	2679	2685	rVB3	66884	95132	0.63%	0.145%
46	18.671	2690	2695	2700	rVB3	37168	54676	0.36%	0.083%
47	19.212	2783	2787	2791	rBV6	18053	28897	0.19%	0.044%
48	19.294	2797	2801	2806	rVB7	22149	31066	0.20%	0.047%
49	19.576	2839	2849	2854	rBV4	33530	59762	0.39%	0.091%
50	19.659	2859	2863	2869	rBV8	42720	84224	0.55%	0.128%
51	19.711	2870	2872	2879	rVB8	15540	23674	0.16%	0.036%
52	19.800	2879	2887	2899	rBV	12661771	15208621	100.00%	23.192%
53	19.935	2903	2910	2924	rBV	2144288	3271152	21.51%	4.988%
54	20.275	2964	2968	2970	rBV4	13391	20161	0.13%	0.031%
55	20.328	2974	2977	2984	rVB5	41850	53622	0.35%	0.082%
56	20.411	2984	2991	2993	rBV7	23602	46570	0.31%	0.071%
57	20.475	2993	3002	3004	rBV10	26561	69390	0.46%	0.106%
58	20.510	3005	3008	3019	rVB10	38463	93334	0.61%	0.142%
59	20.622	3024	3027	3032	rVB7	13236	23846	0.16%	0.036%
60	20.834	3055	3063	3070	rBV	10995494	12753617	83.86%	19.449%
61	21.304	3141	3143	3149	rVB7	16706	28735	0.19%	0.044%
62	21.357	3149	3152	3154	rBV4	18559	17105	0.11%	0.026%
63	21.415	3157	3162	3176	rBV9	113726	420736	2.77%	0.642%
64	21.668	3200	3205	3210	rBV4	48299	88981	0.59%	0.136%
65	21.850	3227	3236	3242	rBV	1267925	2264463	14.89%	3.453%
66	21.962	3250	3255	3260	rVB9	23746	36138	0.24%	0.055%
67	22.050	3264	3270	3273	rBV7	12638	26916	0.18%	0.041%
68	22.579	3357	3360	3366	rBV6	32313	55054	0.36%	0.084%
69	23.072	3443	3444	3450	rVB5	13369	16765	0.11%	0.026%
70	23.119	3450	3452	3459	rVB8	12752	16499	0.11%	0.025%
71	23.172	3459	3461	3467	rBV7	11088	18549	0.12%	0.028%

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72	23.219	3467	3469	3473	rBV5	14331	18049	0.12%	0.028%
73	23.295	3476	3482	3491	rVB4	78210	159057	1.05%	0.243%
74	23.501	3511	3517	3522	rBV8	26379	56217	0.37%	0.086%
75	24.130	3617	3624	3631	rBV3	116315	247149	1.63%	0.377%
76	24.647	3709	3712	3715	rVB5	13807	19480	0.13%	0.030%
77	25.005	3760	3773	3783	rBV2	1089712	3264976	21.47%	4.979%
78	25.105	3783	3790	3799	rVB3	160713	420876	2.77%	0.642%
79	25.234	3800	3812	3828	rVB	708730	2225753	14.63%	3.394%
80	25.552	3861	3866	3868	rBV5	12778	22057	0.15%	0.034%
81	25.787	3903	3906	3908	rBV4	14606	16973	0.11%	0.026%
82	26.268	3977	3988	4004	rVV4	169181	531915	3.50%	0.811%
83	26.580	4038	4041	4046	rBV6	9827	19017	0.13%	0.029%
84	27.285	4155	4161	4162	rBV6	14746	27595	0.18%	0.042%
85	27.673	4215	4227	4240	rVB4	154951	562539	3.70%	0.858%
86	28.102	4297	4300	4304	rBV6	15955	20398	0.13%	0.031%
87	29.359	4501	4514	4530	rVB4	105049	500296	3.29%	0.763%
88	29.776	4581	4585	4587	rBV5	13298	16190	0.11%	0.025%
89	31.398	4851	4861	4878	rVB8	86196	461920	3.04%	0.704%

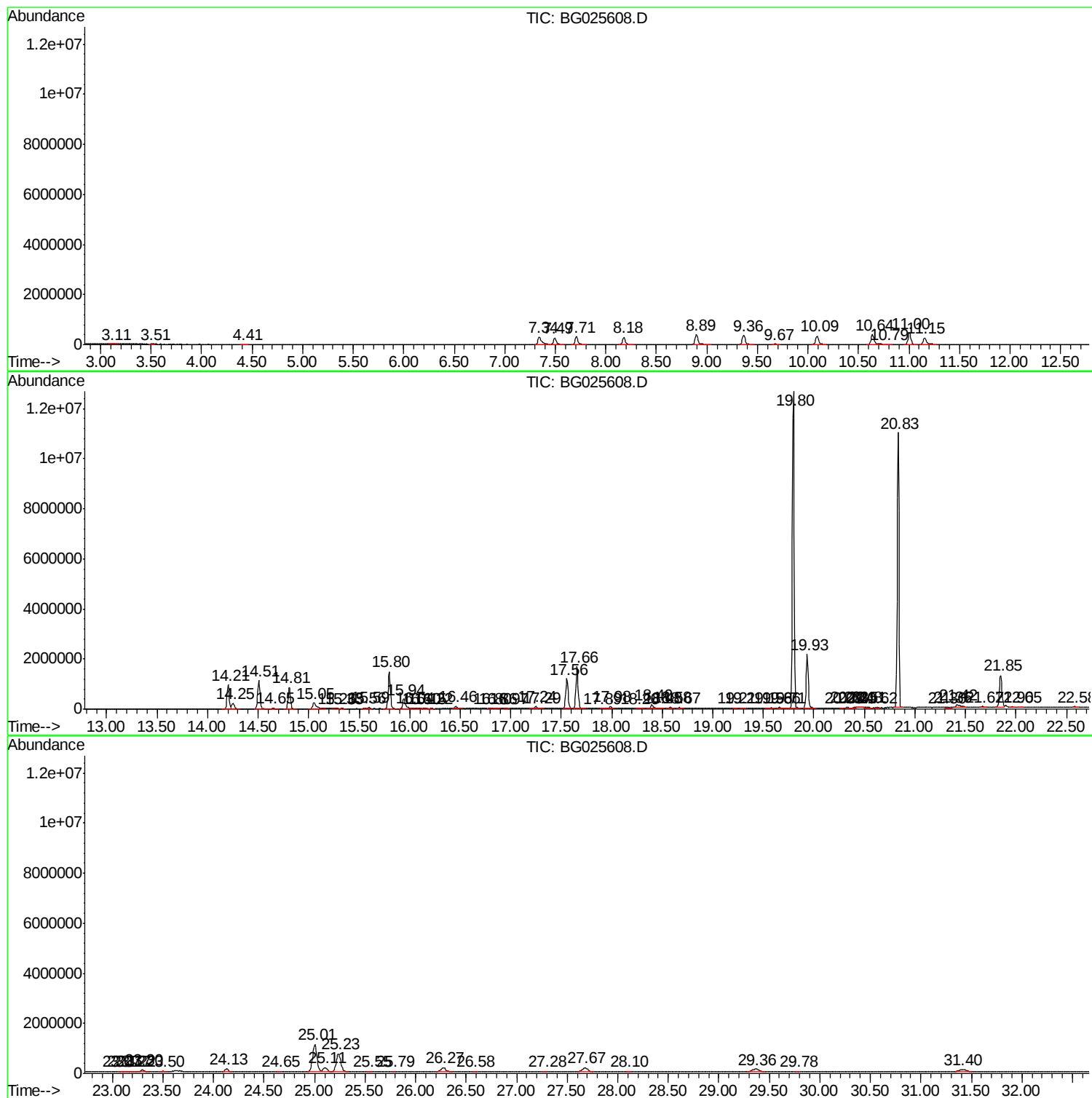
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION

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



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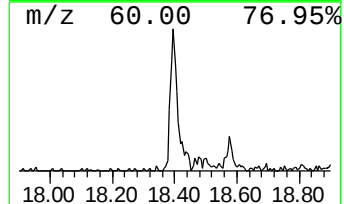
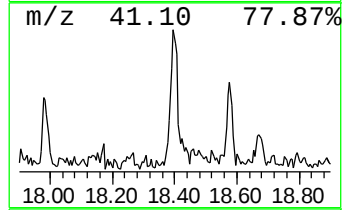
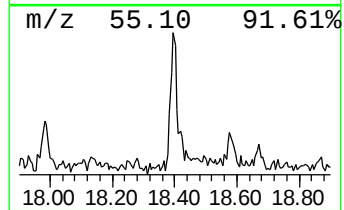
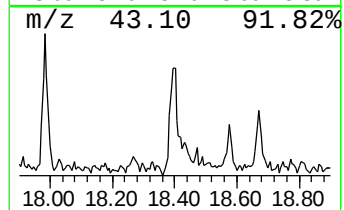
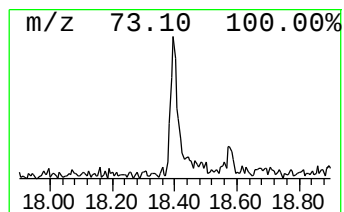
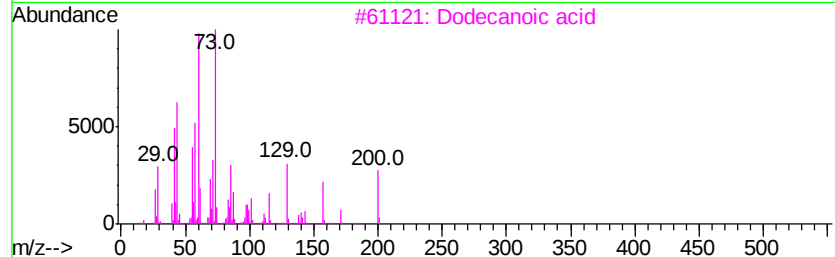
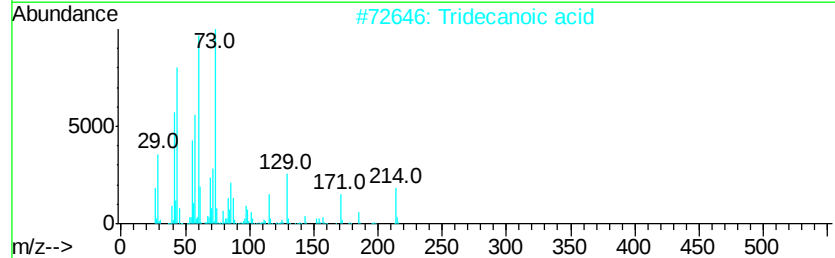
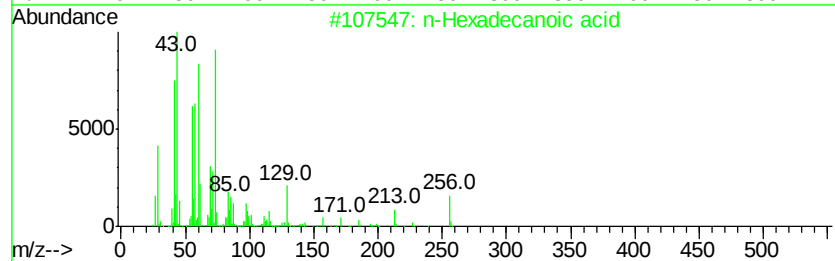
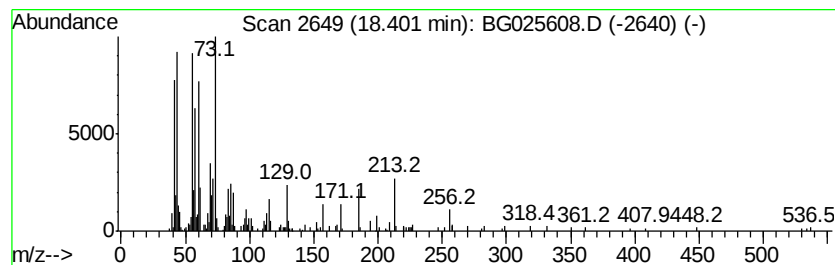
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 n-Hexadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	2.93 ng/ul	275839	Phenanthrene-d10	17.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
2		Tridecanoic acid	214	C13H26O2	000638-53-9	89
3		Dodecanoic acid	200	C12H24O2	000143-07-7	76
4		Undecanoic acid	186	C11H22O2	000112-37-8	72
5		Dodecanoic acid	200	C12H24O2	000143-07-7	70



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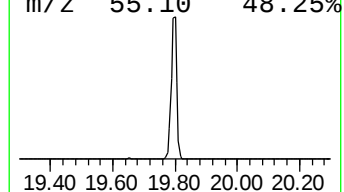
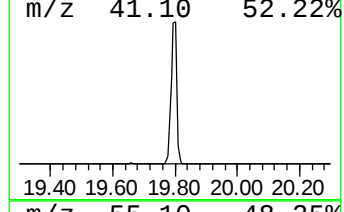
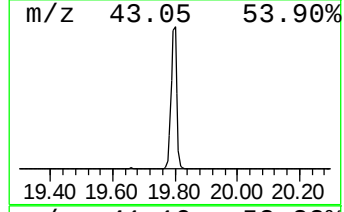
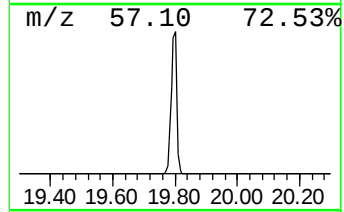
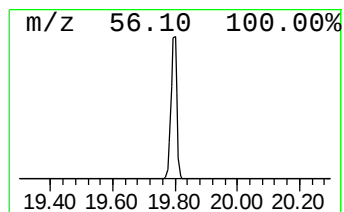
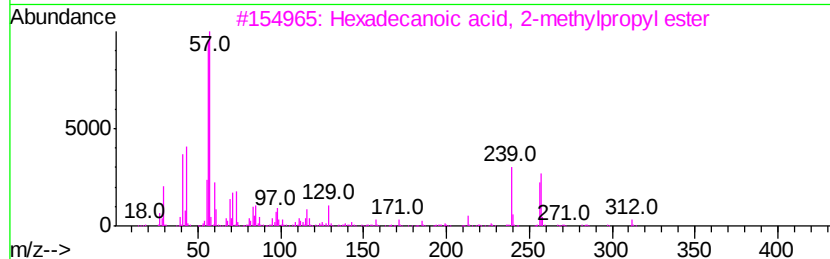
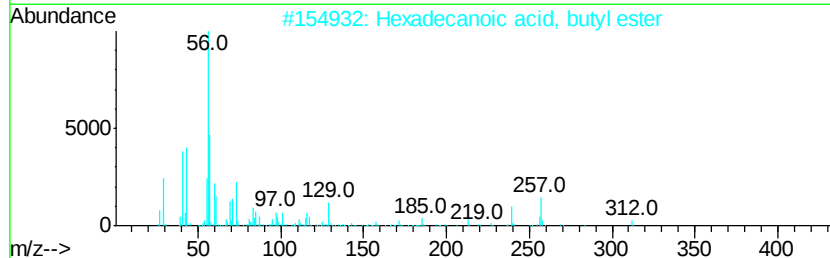
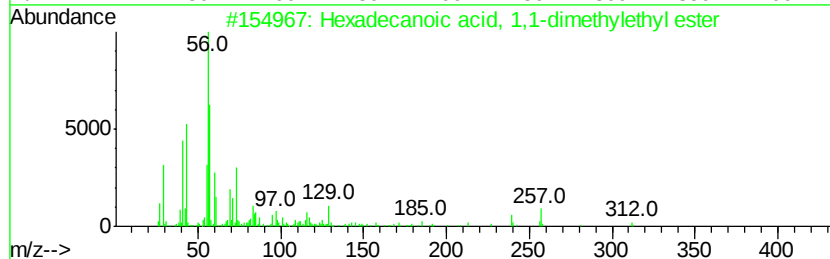
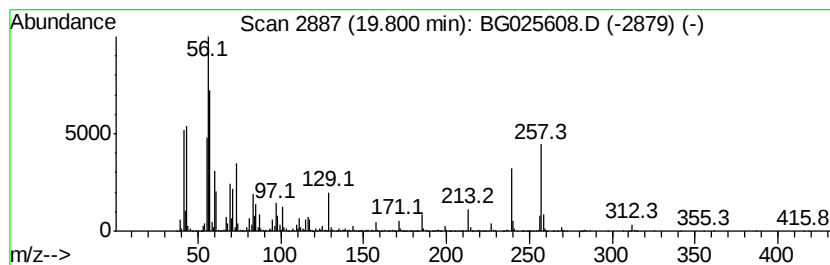
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Hexadecanoic acid, 1,1-dime... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	134.32 ng/ul	15208600	Chrysene-d12	21.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	95
2		Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	93
3		Hexadecanoic acid, 2-methylpropyl...	312	C20H40O2	000110-34-9	89
4		Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	87
5		Eicosanoic acid	312	C20H40O2	000506-30-9	50



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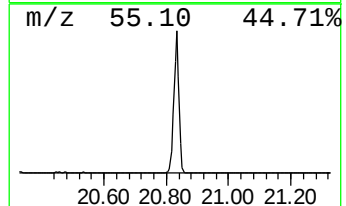
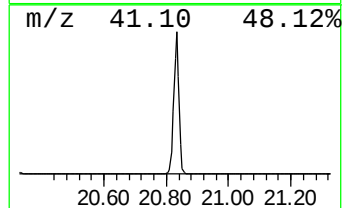
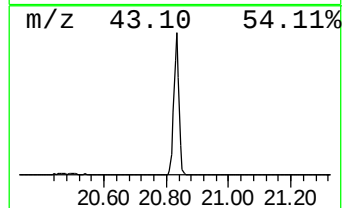
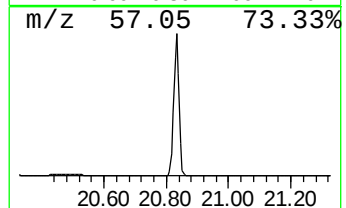
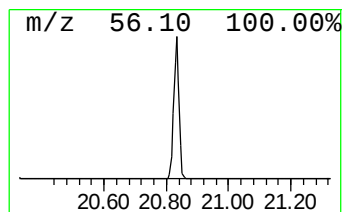
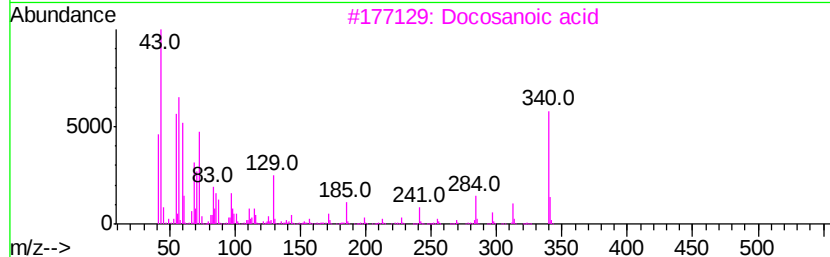
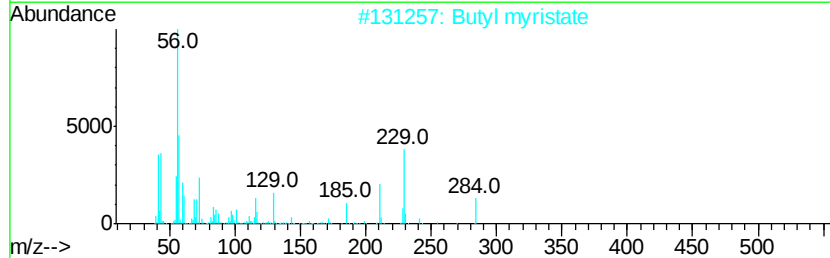
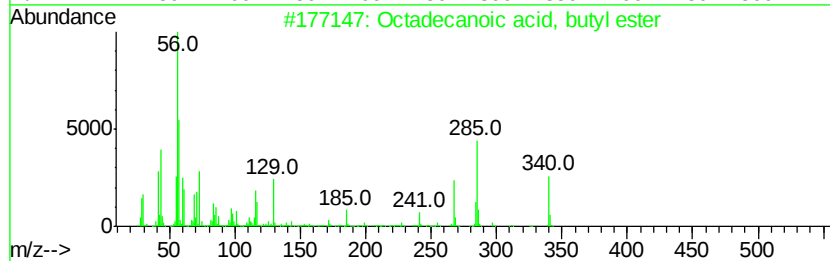
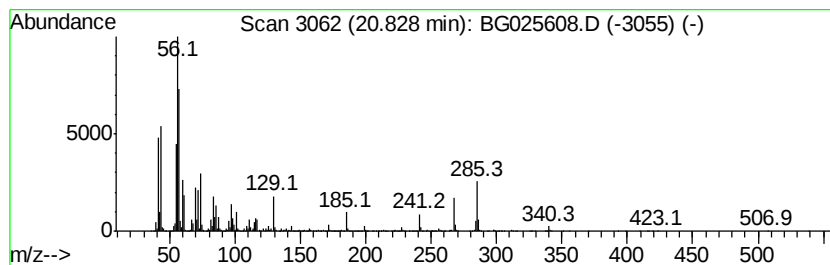
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION

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

Peak Number 3 Octadecanoic acid, butyl ester Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	112.64 ng/ul	12753600	Chrysene-d12	21.85

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	72
2		Butyl myristate	284	C18H36O2	000110-36-1	59
3		Docosanoic acid	340	C22H44O2	000112-85-6	51
4		Docosanoic acid	340	C22H44O2	000112-85-6	38
5		Octadecanoic acid	284	C18H36O2	000057-11-4	35



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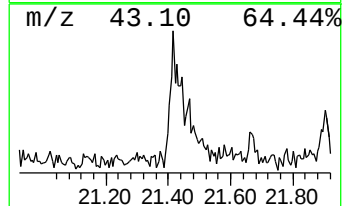
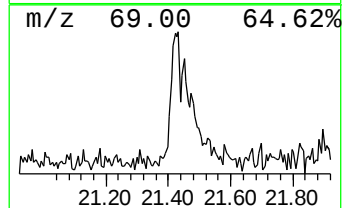
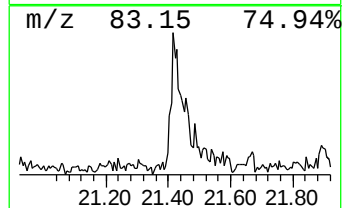
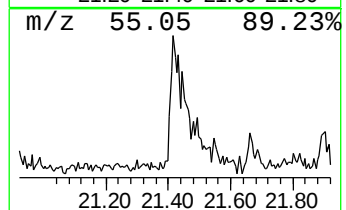
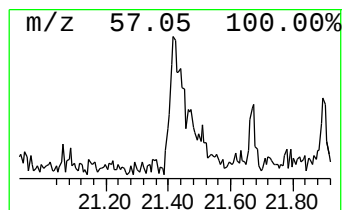
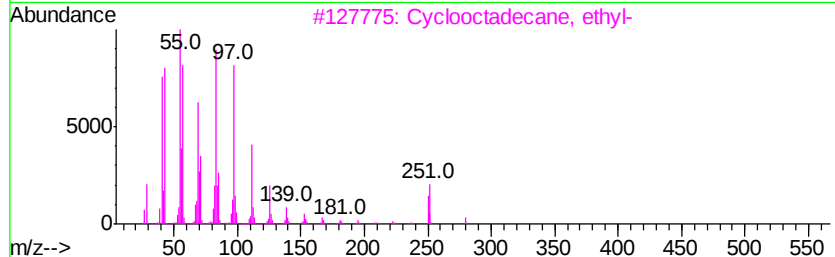
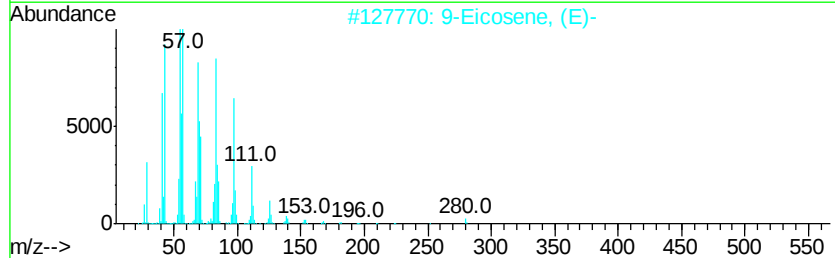
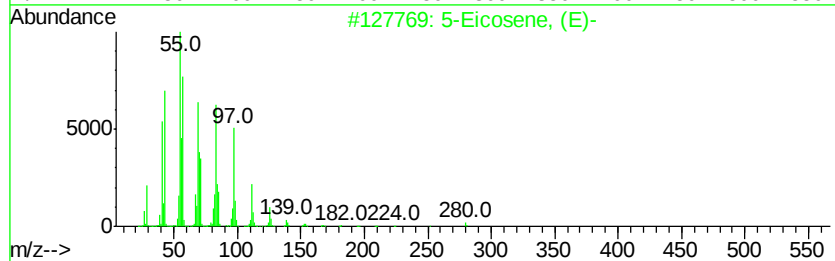
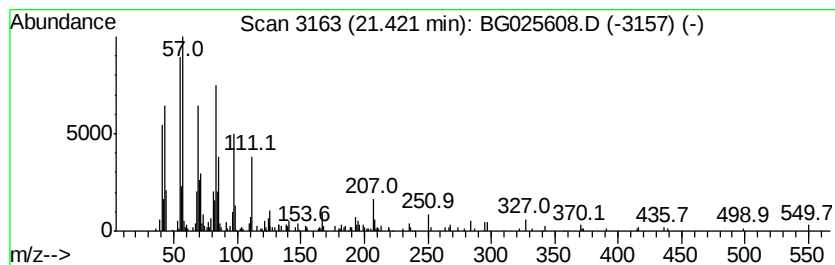
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION

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

Peak Number 4 (DEL) Alkane: Cyclic21.42 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
21.42	3.72 ng/ul	420736	Chrysene-d12	21.85	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	70
2	9-Eicosene, (E)-	280	C20H40	074685-29-3	58
3	Cvclooctadecane, ethyl-	280	C20H40	1000151-22-5	53
4	Cvclohexane, (2-decyldodecyl)-	392	C28H56	006704-00-3	49
5	1-Heptacosanol	396	C27H56O	002004-39-9	46



Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\
Data File : BG025608.D
Acq On : 24 Jan 2017 15:14
Operator : UM/SJ
Sample : I1316-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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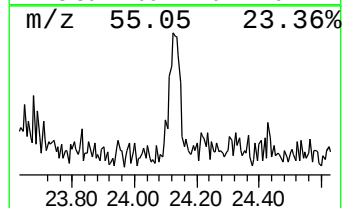
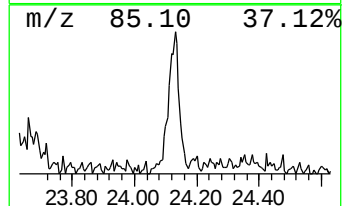
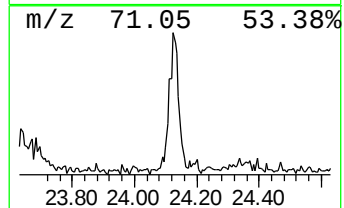
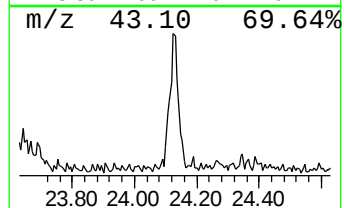
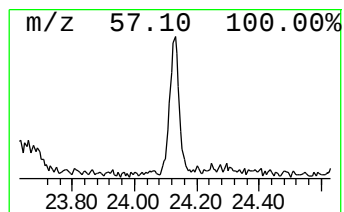
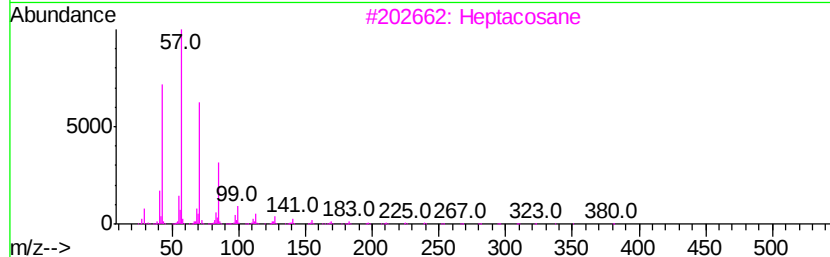
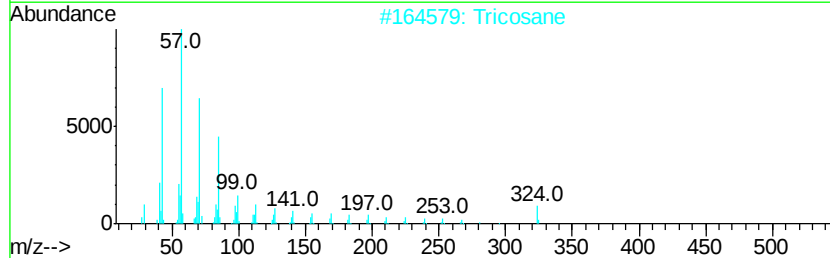
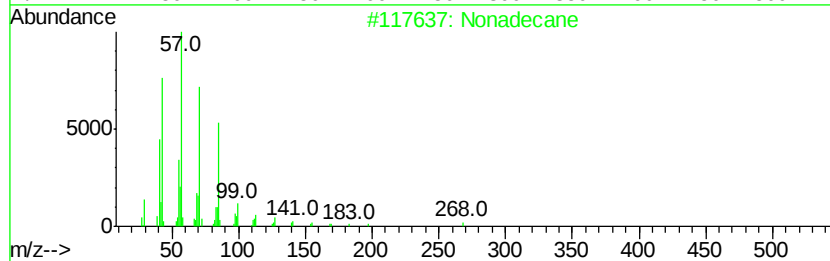
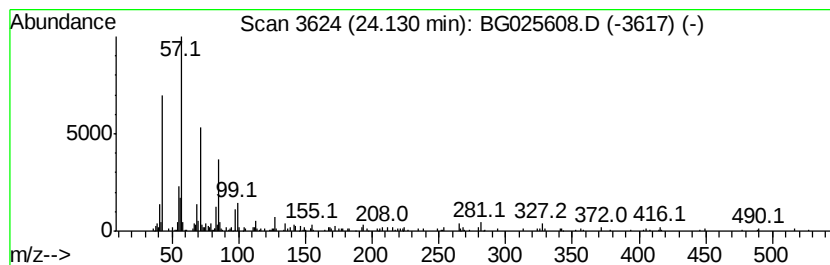
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.13	2.22 ng/ul	247149	Perylene-d12	25.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonadecane	268	C19H40	000629-92-5	70
2		Tricosane	324	C23H48	000638-67-5	62
3		Heptacosane	380	C27H56	000593-49-7	62
4		Tricosane	324	C23H48	000638-67-5	62
5		Octadecane, 1-iodo-	380	C18H37I	000629-93-6	58



Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\
Data File : BG025608.D
Acq On : 24 Jan 2017 15:14
Operator : UM/SJ
Sample : I1316-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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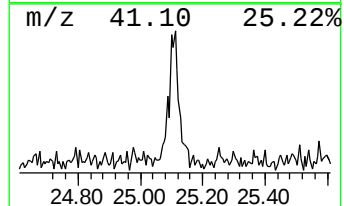
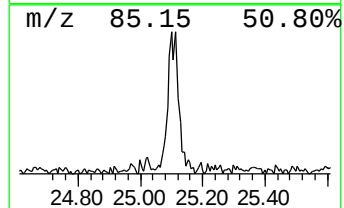
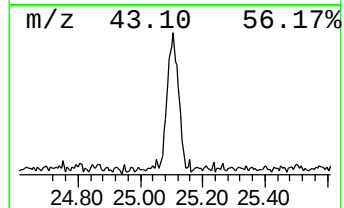
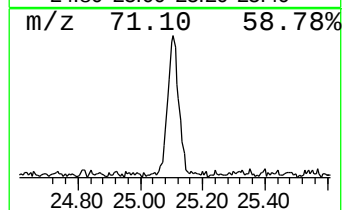
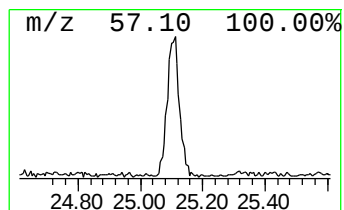
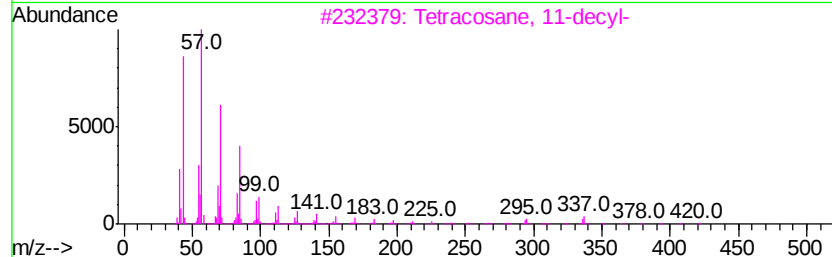
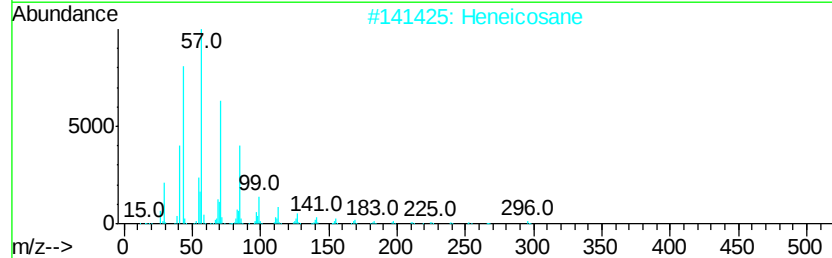
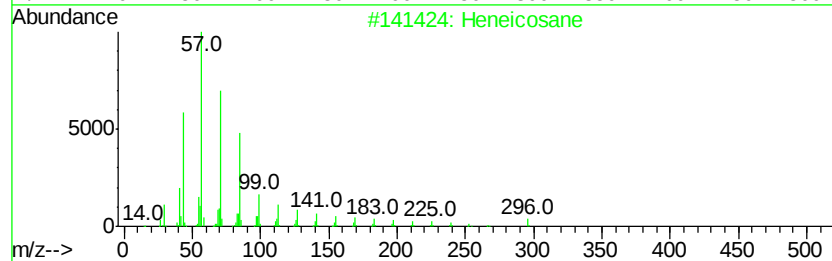
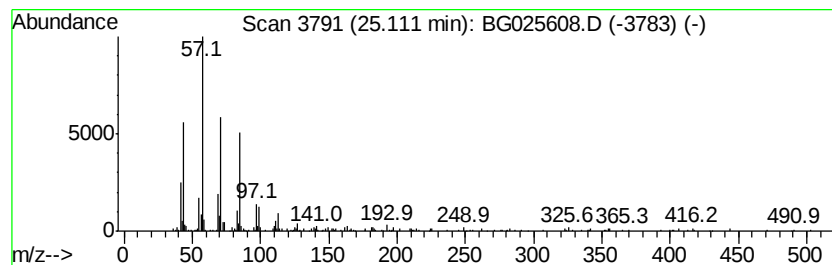
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.11	3.78 ng/ul	420876	Perylene-d12	25.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heneicosane	296	C21H44	000629-94-7	91
2			Heneicosane	296	C21H44	000629-94-7	91
3			Tetracosane, 11-decyl-	479	C34H70	055429-84-0	87
4			Heneicosane, 11-decyl-	437	C31H64	055320-06-4	87
5			Heptacosane	380	C27H56	000593-49-7	87



Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\
Data File : BG025608.D
Acq On : 24 Jan 2017 15:14
Operator : UM/SJ
Sample : I1316-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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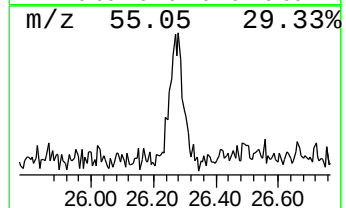
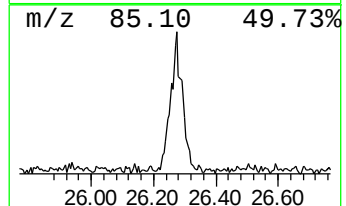
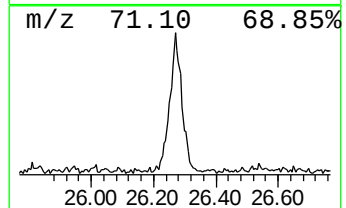
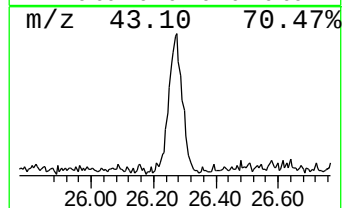
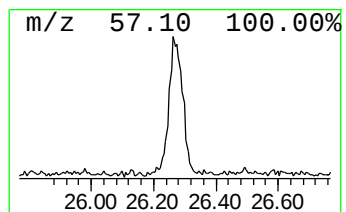
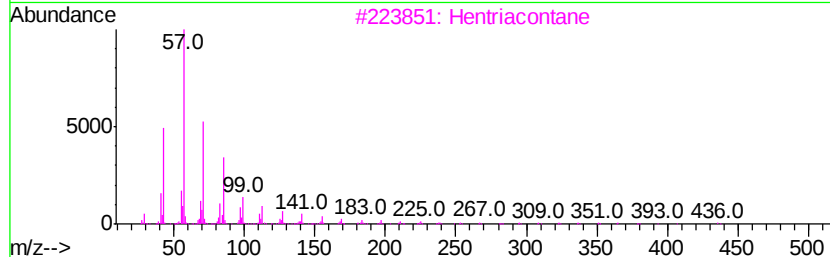
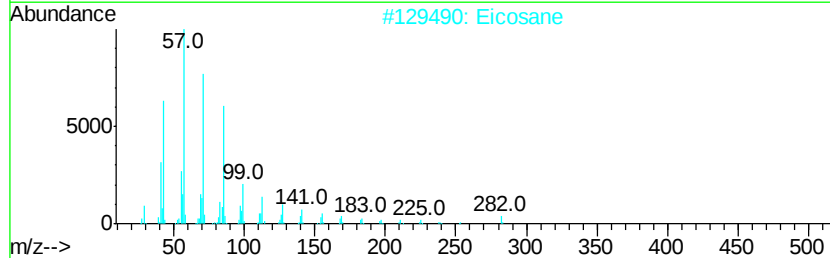
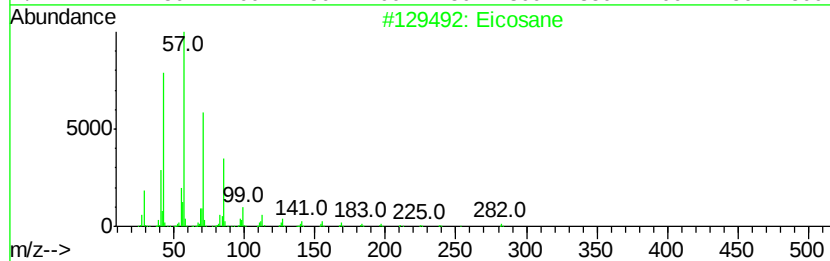
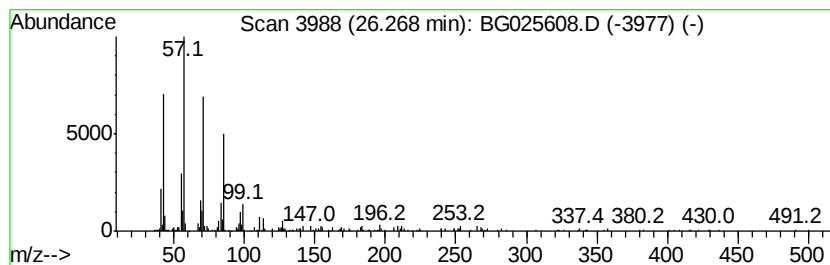
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.27	4.78 ng/ul	531915	Perylene-d12	25.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	96
2		Eicosane	282	C20H42	000112-95-8	93
3		Hentriacontane	437	C31H64	000630-04-6	93
4		Triacontane	422	C30H62	000638-68-6	86
5		Heneicosane	296	C21H44	000629-94-7	86



Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\
Data File : BG025608.D
Acq On : 24 Jan 2017 15:14
Operator : UM/SJ
Sample : I1316-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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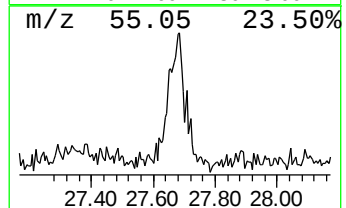
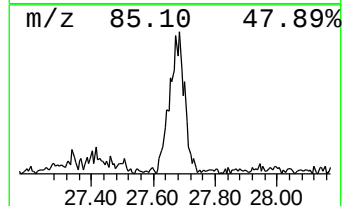
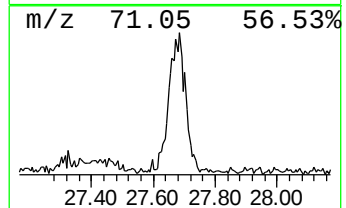
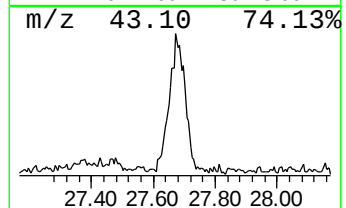
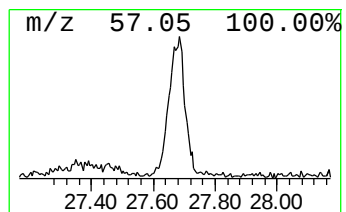
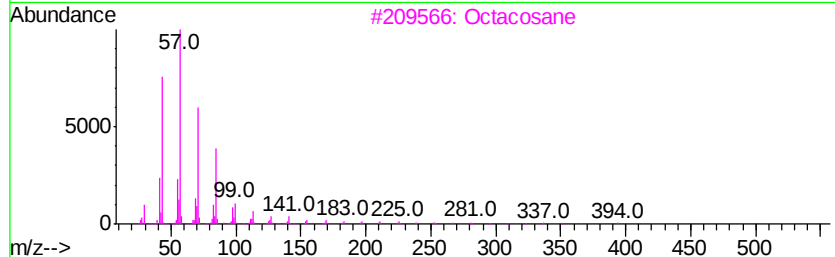
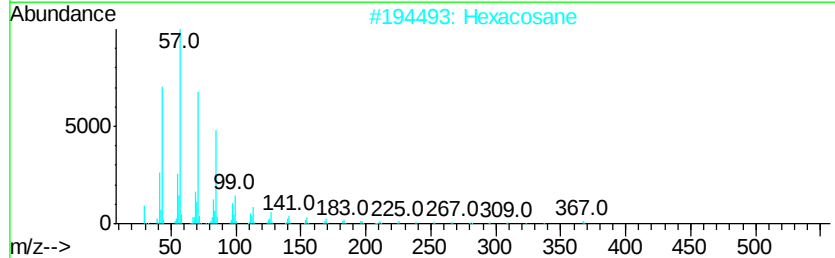
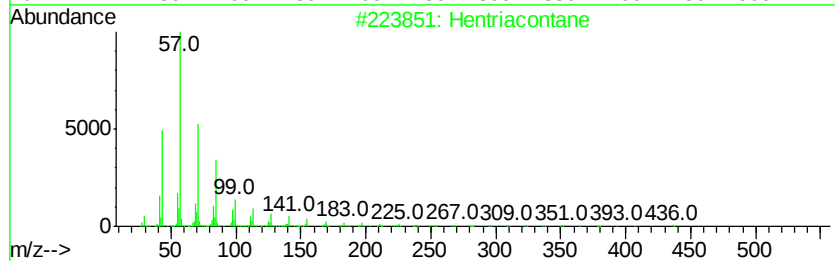
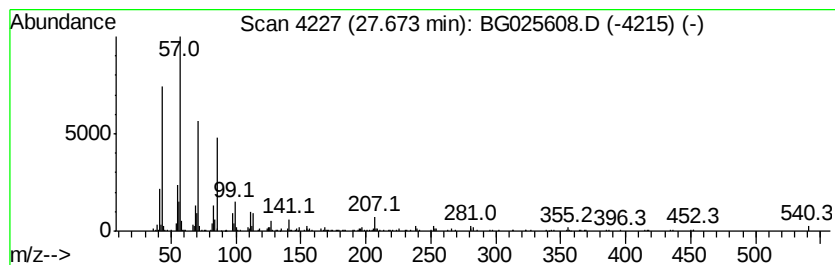
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.67	5.05 ng/ul	562539	Perylene-d12	25.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hentriacontane	437	C31H64	000630-04-6	93
2		Hexacosane	366	C26H54	000630-01-3	90
3		Octacosane	394	C28H58	000630-02-4	87
4		Heneicosane	296	C21H44	000629-94-7	87
5		Tetracosane	338	C24H50	000646-31-1	83



Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\
Data File : BG025608.D
Acq On : 24 Jan 2017 15:14
Operator : UM/SJ
Sample : I1316-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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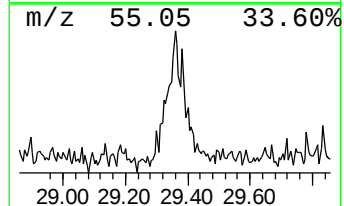
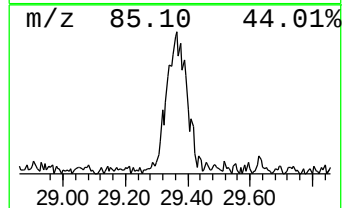
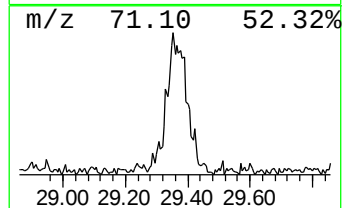
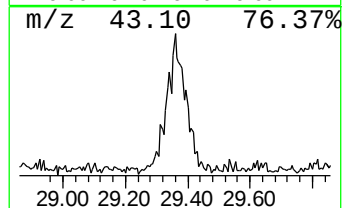
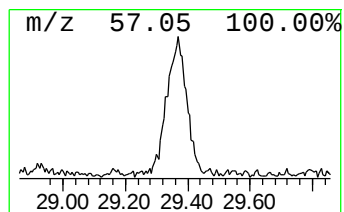
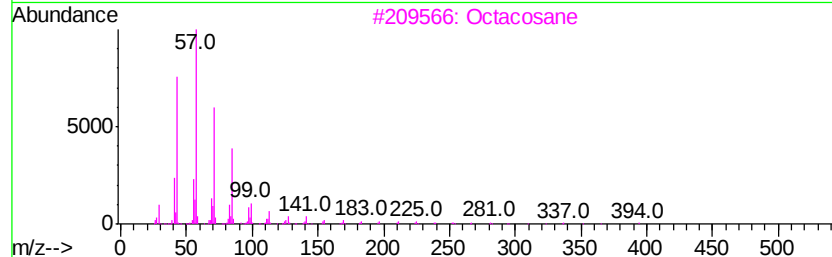
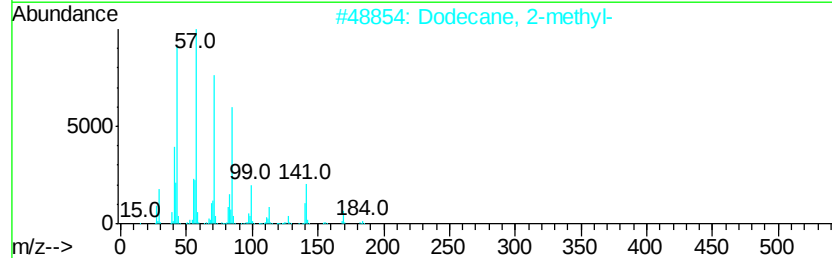
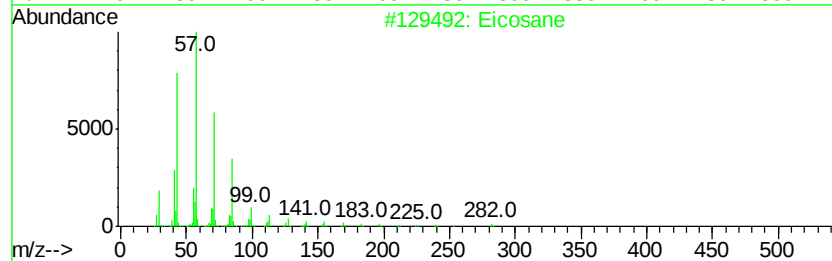
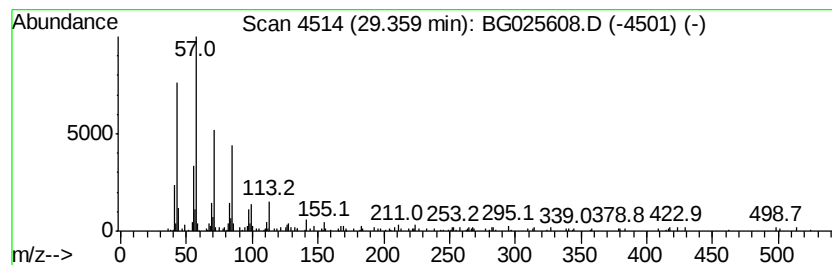
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.36	4.50 ng/ul	500296	Perylene-d12	25.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	90
2		Dodecane, 2-methyl-	184	C13H28	001560-97-0	81
3		Octacosane	394	C28H58	000630-02-4	81
4		Eicosane	282	C20H42	000112-95-8	81
5		Heptacosane	380	C27H56	000593-49-7	81



Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\
Data File : BG025608.D
Acq On : 24 Jan 2017 15:14
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Sample : I1316-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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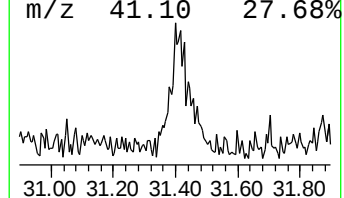
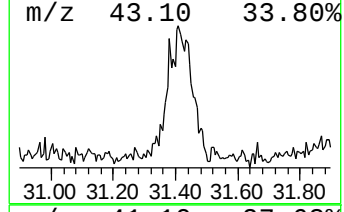
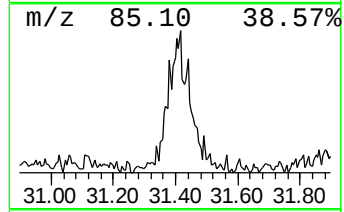
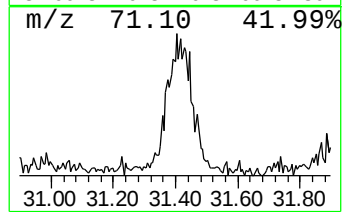
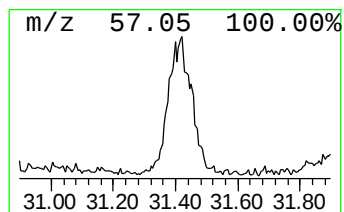
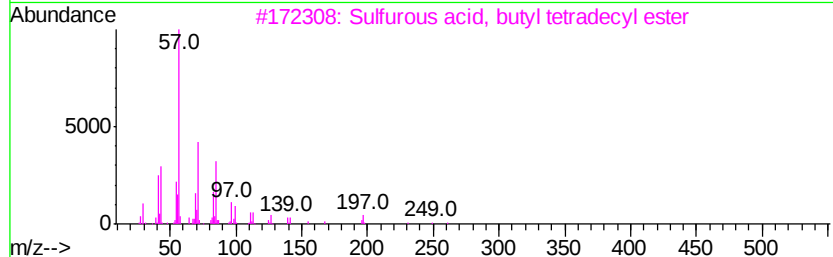
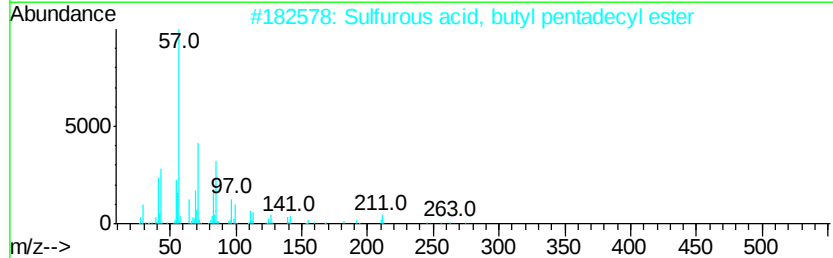
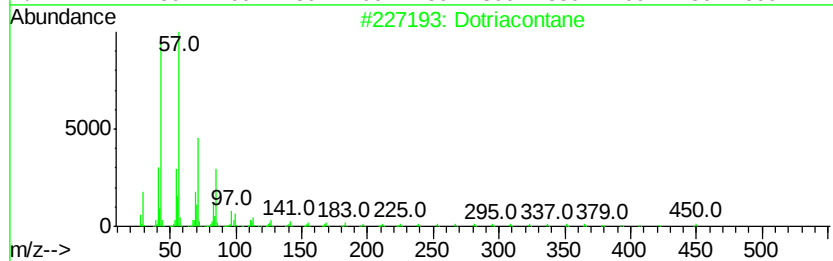
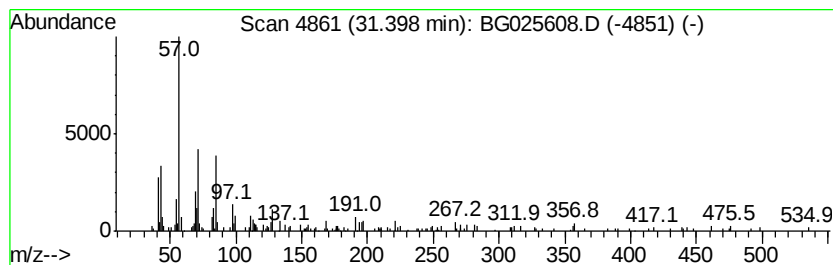
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.40	4.15 ng/ul	461920	Perylene-d12	25.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dotriacontane	451	C32H66	000544-85-4	59
2			Sulfurous acid, butyl pentadecyl...	348	C19H40O3S	1000309-18-2	59
3			Sulfurous acid, butyl tetradecyl...	334	C18H38O3S	1000309-18-1	59
4			Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	59
5			Pentatriacontane	493	C35H72	000630-07-9	59



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012417\
Data File : BG025608.D
Acq On : 24 Jan 2017 15:14
Operator : UM/SJ
Sample : I1316-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BDP13

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
n-Hexadecanoic acid	18.40	2.9	ng/ul	275839	4	17.56	1884110	20.0
Hexadecanoic acid...	19.80	134.3	ng/ul	15208600	5	21.85	2264460	20.0
Octadecanoic acid...	20.83	112.6	ng/ul	12753600	5	21.85	2264460	20.0
(DEL) Alkane: Cyc...	21.42	3.7	ng/ul	420736	5	21.85	2264460	20.0
(DEL) Alkane: Str...	24.13	2.2	ng/ul	247149	6	25.23	2225750	20.0
(DEL) Alkane: Str...	25.11	3.8	ng/ul	420876	6	25.23	2225750	20.0
(DEL) Alkane: Str...	26.27	4.8	ng/ul	531915	6	25.23	2225750	20.0
(DEL) Alkane: Str...	27.67	5.0	ng/ul	562539	6	25.23	2225750	20.0
(DEL) Alkane: Str...	29.36	4.5	ng/ul	500296	6	25.23	2225750	20.0
(DEL) Alkane: Str...	31.40	4.2	ng/ul	461920	6	25.23	2225750	20.0