

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\
 Data File : BG025604.D
 Acq On : 24 Jan 2017 12:35
 Operator : UM/SJ
 Sample : I1316-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BDP14

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	3.010	28	29	35	rVB4	13254	17038	0.24%	0.036%
2	3.510	110	114	119	rVV4	15667	25159	0.36%	0.053%
3	6.095	549	554	558	rVB4	7332	13892	0.20%	0.029%
4	6.165	558	566	568	rBV5	7221	15998	0.23%	0.033%
5	7.340	759	766	785	rBV3	293368	714904	10.19%	1.493%
6	7.493	785	792	805	rVV	235329	427010	6.09%	0.892%
7	7.711	817	829	847	rVV	304611	607469	8.66%	1.268%
8	8.175	900	908	920	rBV2	247058	477069	6.80%	0.996%
9	8.897	1020	1031	1051	rBV	360131	766555	10.93%	1.601%
10	9.021	1051	1052	1059	rVV3	6864	12710	0.18%	0.027%
11	9.362	1102	1110	1123	rBV	343490	664813	9.48%	1.388%
12	9.679	1157	1164	1168	rBV4	13848	28102	0.40%	0.059%
13	10.090	1225	1234	1251	rBV2	303337	623320	8.89%	1.302%
14	10.637	1317	1327	1351	rBV2	390508	886588	12.64%	1.851%
15	11.001	1378	1389	1399	rBV	357521	694965	9.91%	1.451%
16	11.154	1407	1415	1432	rBV2	362356	845658	12.06%	1.766%
17	12.523	1646	1648	1655	rVB3	6487	14430	0.21%	0.030%
18	12.611	1655	1663	1666	rBV3	11633	27124	0.39%	0.057%
19	13.145	1750	1754	1764	rVB5	7143	19683	0.28%	0.041%
20	14.203	1927	1934	1939	rBV	1046366	1605622	22.90%	3.353%
21	14.250	1939	1942	1953	rVB	265840	399393	5.70%	0.834%
22	14.509	1977	1986	2004	rBV	1026693	1676870	23.91%	3.501%
23	14.650	2004	2010	2018	rVB5	21303	46363	0.66%	0.097%
24	14.808	2030	2037	2048	rBV	727745	1182268	16.86%	2.469%
25	15.049	2070	2078	2102	rBV2	267015	799052	11.39%	1.668%
26	15.208	2103	2105	2112	rVV8	14026	28809	0.41%	0.060%
27	15.255	2112	2113	2122	rVB8	11434	21129	0.30%	0.044%
28	15.337	2123	2127	2131	rVB7	8930	14089	0.20%	0.029%
29	15.554	2160	2164	2166	rBV4	15196	17974	0.26%	0.038%
30	15.596	2168	2171	2177	rVV	46733	62476	0.89%	0.130%
31	15.795	2198	2205	2217	rBV	1407799	2312055	32.97%	4.828%
32	15.942	2224	2230	2244	rVV2	463957	896354	12.78%	1.872%
33	16.042	2244	2247	2254	rVV6	26622	46248	0.66%	0.097%
34	16.218	2274	2277	2283	rVB5	10478	21644	0.31%	0.045%

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35	16.453	2312	2317	2326	rBV2	62926	113398	1.62%	0.237%
36	16.706	2359	2360	2367	rBV7	6635	13436	0.19%	0.028%
37	16.959	2400	2403	2409	rBV7	12993	19479	0.28%	0.041%
38	17.076	2420	2423	2429	rVB6	13139	18066	0.26%	0.038%
39	17.247	2442	2452	2456	rBV3	52591	79399	1.13%	0.166%
40	17.294	2456	2460	2465	rVV3	15816	27305	0.39%	0.057%
41	17.499	2491	2495	2497	rBV4	11089	17212	0.25%	0.036%
42	17.558	2497	2505	2514	rVV	1037565	1621279	23.12%	3.385%
43	17.658	2514	2522	2539	rVB2	1627743	2700856	38.51%	5.640%
44	17.987	2572	2578	2588	rBV3	41198	61116	0.87%	0.128%
45	18.263	2621	2625	2632	rVB9	5681	13867	0.20%	0.029%
46	18.398	2640	2648	2659	rBV6	72165	165231	2.36%	0.345%
47	18.486	2659	2663	2666	rVB3	9629	15480	0.22%	0.032%
48	18.580	2674	2679	2682	rBV2	40108	53886	0.77%	0.113%
49	19.215	2780	2787	2791	rBV9	7934	14932	0.21%	0.031%
50	19.256	2791	2794	2797	rBV4	12838	13028	0.19%	0.027%
51	19.573	2843	2848	2854	rBV4	30183	45517	0.65%	0.095%
52	19.655	2858	2862	2867	rBV7	19561	39441	0.56%	0.082%
53	19.796	2878	2886	2899	rBV	5802188	7012736	100.00%	14.643%
54	19.932	2900	2909	2920	rVV	2170060	3307753	47.17%	6.907%
55	20.278	2959	2968	2969	rBV9	10105	21562	0.31%	0.045%
56	20.337	2974	2978	2981	rBV6	16345	17662	0.25%	0.037%
57	20.484	2985	3003	3020	rBV6	48951	315537	4.50%	0.659%
58	20.619	3024	3026	3030	rVB5	10162	14443	0.21%	0.030%
59	20.831	3055	3062	3069	rBV	5423811	5867363	83.67%	12.251%
60	21.019	3091	3094	3097	rBV5	8535	14627	0.21%	0.031%
61	21.424	3157	3163	3184	rVV5	42717	216502	3.09%	0.452%
62	21.788	3222	3225	3227	rBV4	16300	16947	0.24%	0.035%
63	21.847	3227	3235	3249	rVV	1107466	2067213	29.48%	4.316%
64	21.947	3251	3252	3258	rVB6	17245	31502	0.45%	0.066%
65	22.117	3276	3281	3283	rVB6	8871	14249	0.20%	0.030%
66	22.587	3353	3361	3365	rBV8	29927	64037	0.91%	0.134%
67	22.775	3391	3393	3398	rBV6	11713	21167	0.30%	0.044%
68	23.198	3463	3465	3469	rVB5	11840	16748	0.24%	0.035%
69	23.234	3469	3471	3473	rBV2	15163	13451	0.19%	0.028%
70	23.304	3476	3483	3489	rBV5	52644	116442	1.66%	0.243%
71	23.451	3506	3508	3511	rVB4	14794	16372	0.23%	0.034%

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72	23.504	3511	3517	3522	rBV8	24465	65788	0.94%	0.137%
73	23.604	3530	3534	3535	rBV4	19208	18334	0.26%	0.038%
74	23.880	3579	3581	3583	rBV3	14334	13545	0.19%	0.028%
75	24.127	3616	3623	3630	rVB5	79911	173759	2.48%	0.363%
76	24.426	3671	3674	3678	rVB6	12001	13106	0.19%	0.027%
77	24.708	3720	3722	3726	rBV5	10967	17130	0.24%	0.036%
78	24.767	3730	3732	3735	rBV4	15373	14561	0.21%	0.030%
79	25.002	3760	3772	3783	rBV2	1091548	3391638	48.36%	7.082%
80	25.108	3784	3790	3799	rVB4	117211	294832	4.20%	0.616%
81	25.237	3799	3812	3826	rBV2	600330	1999864	28.52%	4.176%
82	25.460	3846	3850	3853	rBV6	12397	14416	0.21%	0.030%
83	25.713	3890	3893	3895	rBV4	10795	13227	0.19%	0.028%
84	25.889	3922	3923	3928	rBV5	11553	14941	0.21%	0.031%
85	26.036	3946	3948	3954	rBV7	10672	16410	0.23%	0.034%
86	26.271	3978	3988	3998	rBV5	109288	349999	4.99%	0.731%
87	26.453	4017	4019	4021	rBV3	16434	13477	0.19%	0.028%
88	26.694	4055	4060	4070	rVB3	16677	44220	0.63%	0.092%
89	27.088	4122	4127	4128	rBV5	7130	13056	0.19%	0.027%
90	27.311	4160	4165	4167	rBV5	14666	23609	0.34%	0.049%
91	27.675	4210	4227	4240	rBV7	108418	451836	6.44%	0.943%
92	27.893	4263	4264	4272	rBV8	10632	26045	0.37%	0.054%
93	28.169	4309	4311	4313	rBV3	14960	17188	0.25%	0.036%
94	29.174	4481	4482	4487	rBV5	12645	20135	0.29%	0.042%
95	29.356	4498	4513	4516	rBV9	82125	240333	3.43%	0.502%
96	30.237	4661	4663	4667	rVB5	16290	23671	0.34%	0.049%
97	30.537	4711	4714	4717	rBV5	13566	13634	0.19%	0.028%
98	30.572	4717	4720	4724	rBV6	11494	16867	0.24%	0.035%
99	31.430	4849	4866	4883	rVB9	69217	350889	5.00%	0.733%
100	31.665	4903	4906	4909	rBV5	10073	12903	0.18%	0.027%

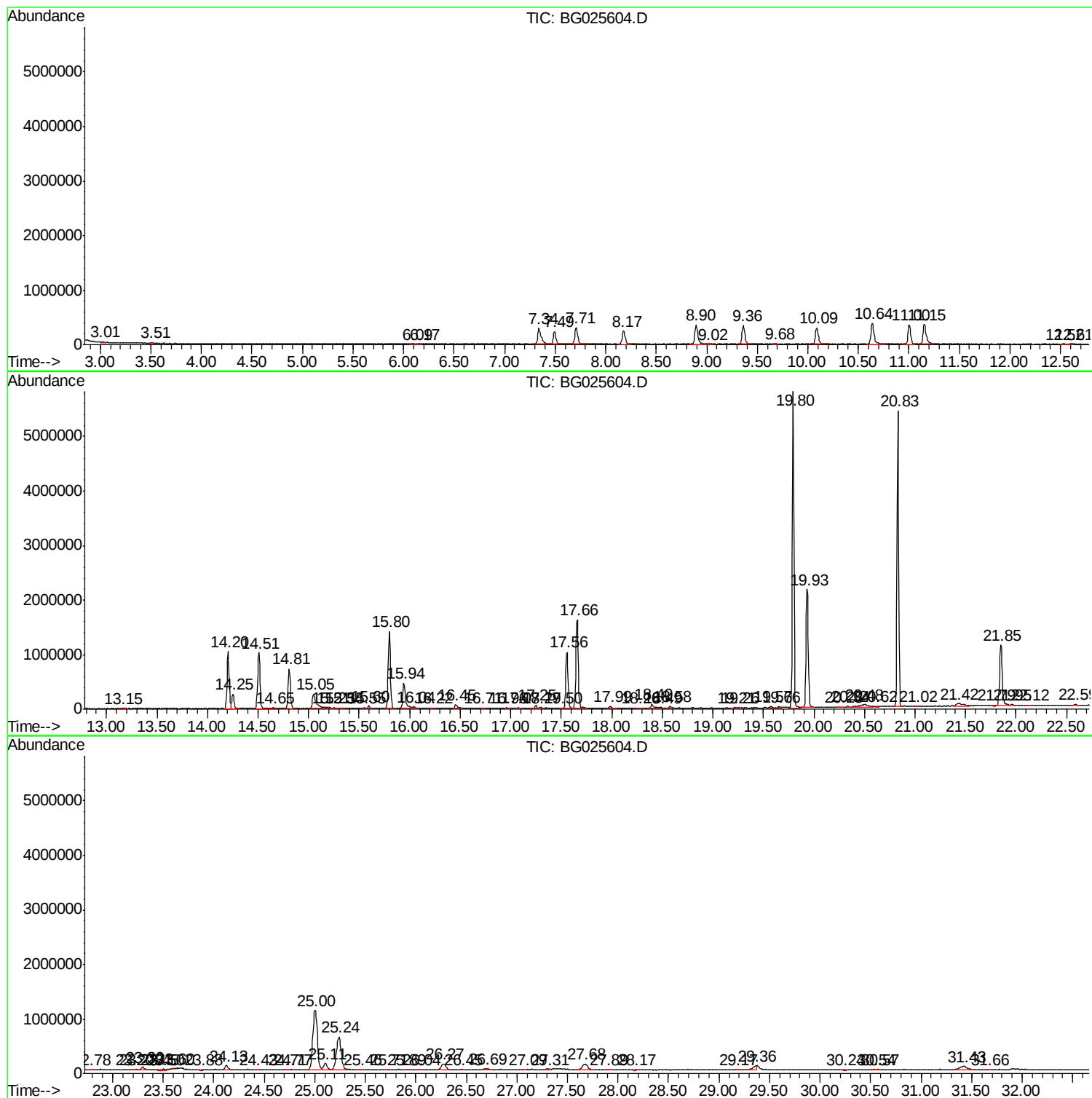
Sum of corrected areas: 47891487

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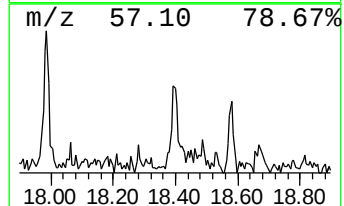
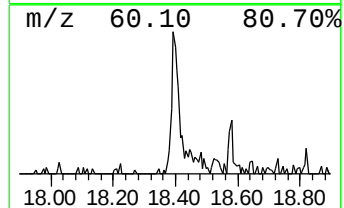
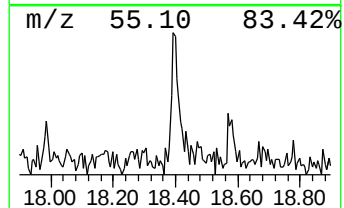
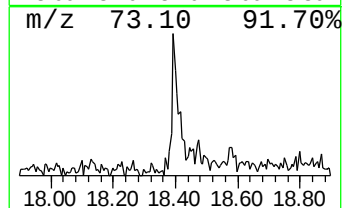
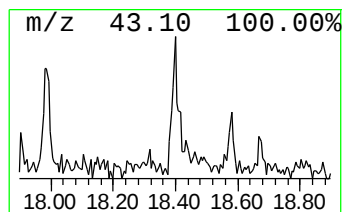
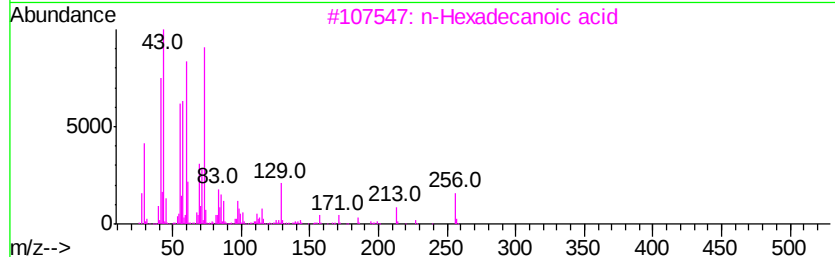
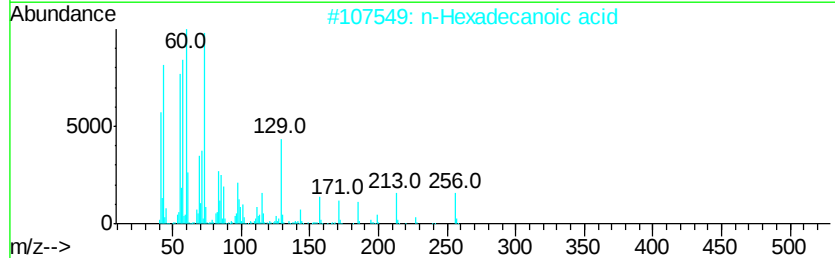
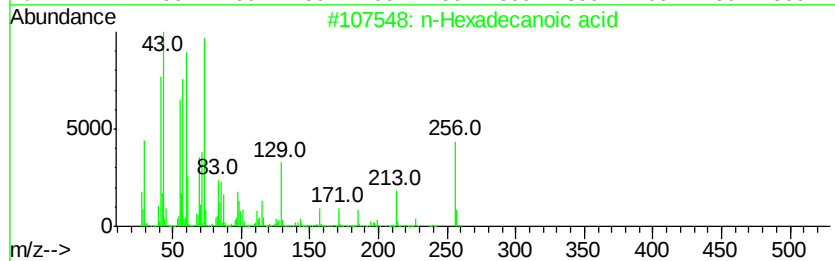
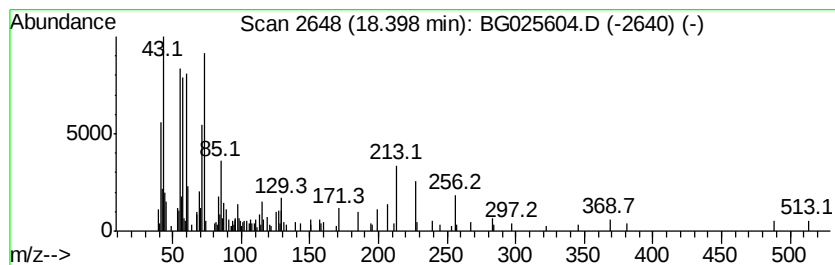
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 n-Hexadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	2.04 ng/ul	165231	Phenanthrene-d10	17.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83
2		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83
3		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5		Pentadecanoic acid	242	C15H30O2	001002-84-2	53



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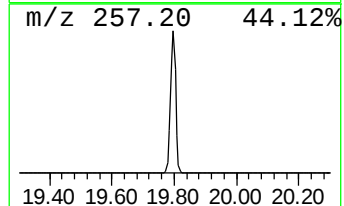
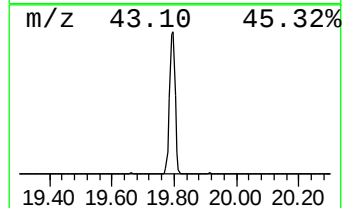
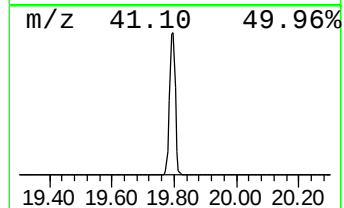
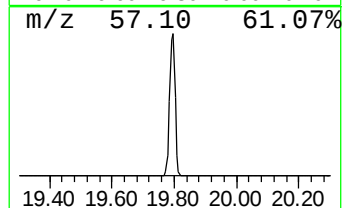
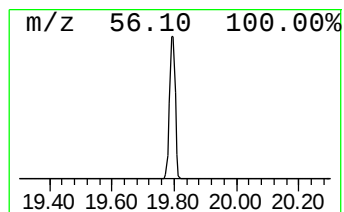
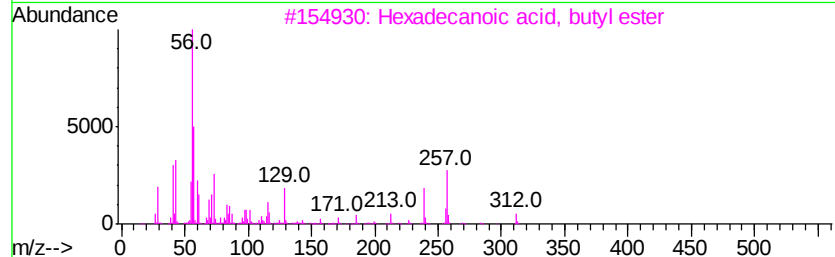
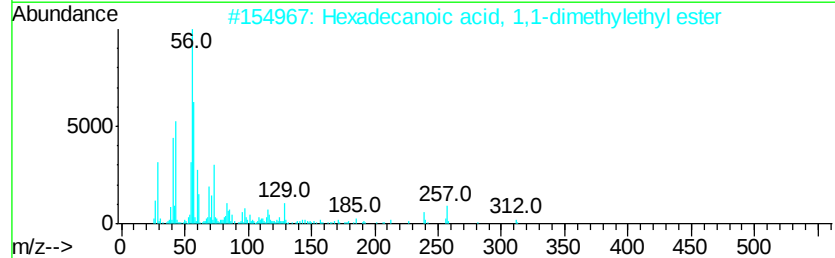
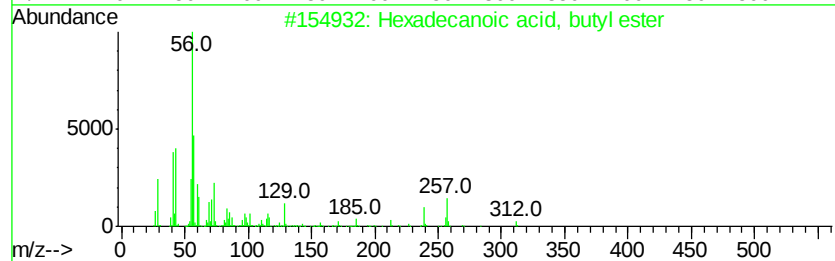
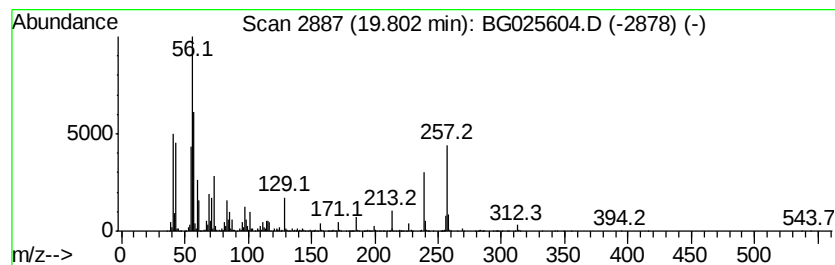
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Peak Number 2 Hexadecanoic acid, butyl ester Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	67.85 ng/ul	7012740	Chrysene-d12	21.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	97
2		Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	96
3		Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	91
4		Hexadecanoic acid, 2-methylpropyl...	312	C20H40O2	000110-34-9	70
5		Oxirane, (1-methylbutyl)-	114	C7H14O	053229-39-3	27



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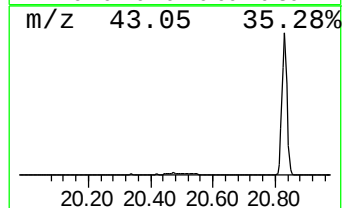
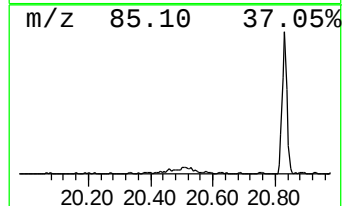
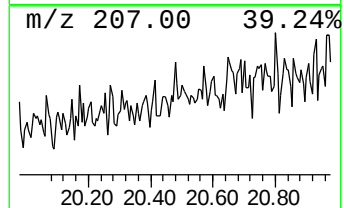
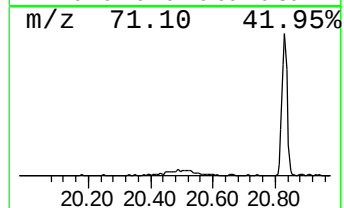
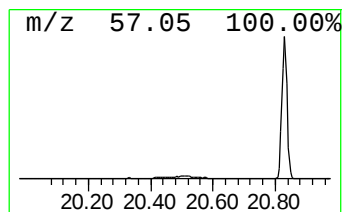
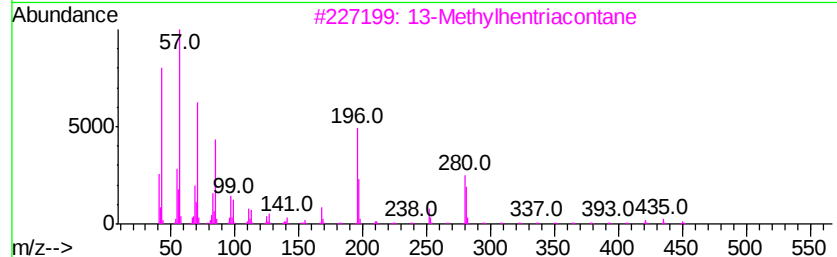
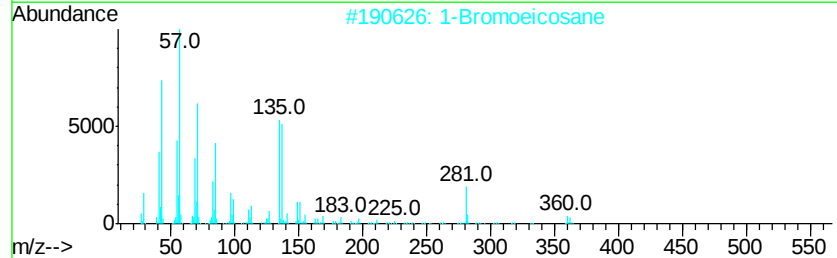
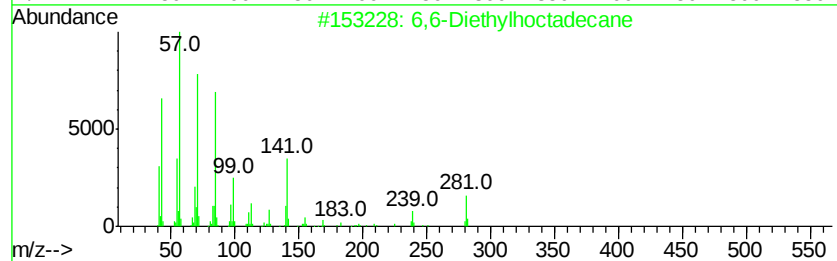
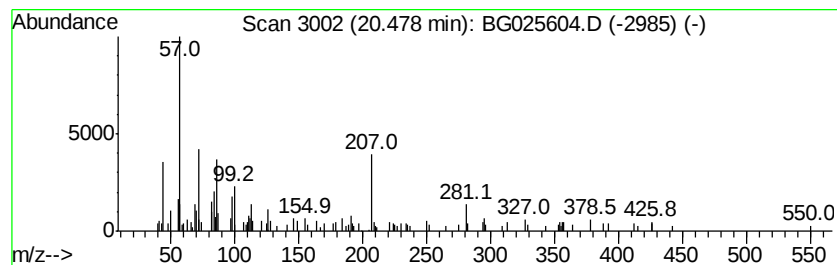
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Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.48	3.05 ng/ul	315537	Chrysene-d12	21.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	6,6-Diethylhoctadecane	310	C22H46	1000360-41-8	50	
2	1-Bromoeicosane	360	C20H41Br	004276-49-7	47	
3	13-Methylhentriacontane	451	C32H66	1000131-19-4	43	
4	Eicosane, 9-octyl-	394	C28H58	013475-77-9	38	
5	Ditetradecyl ether	410	C28H58O	005412-98-6	38	



Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\
Data File : BG025604.D
Acq On : 24 Jan 2017 12:35
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Sample : I1316-05
Misc :
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ClientSampleId :
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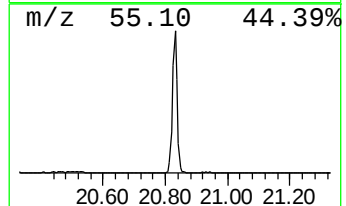
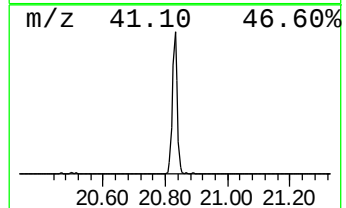
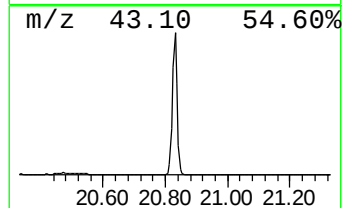
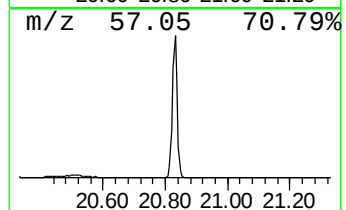
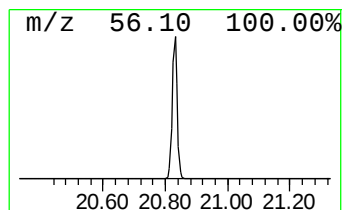
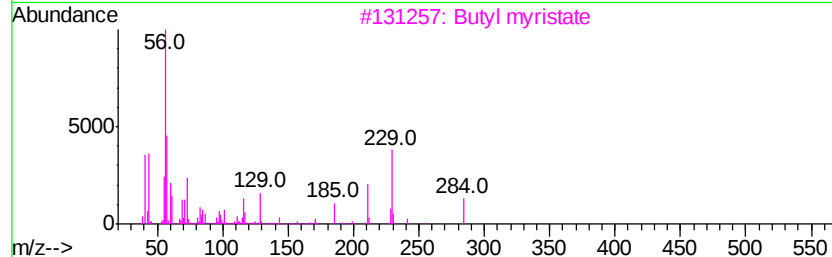
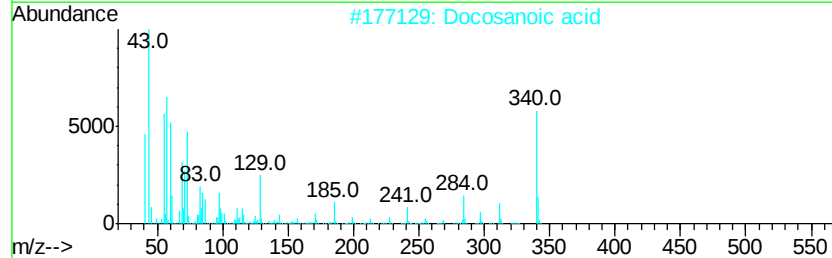
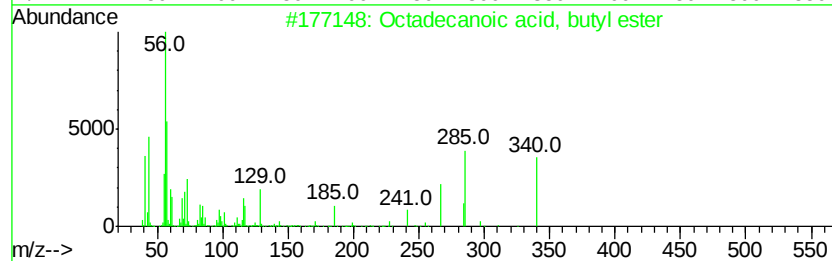
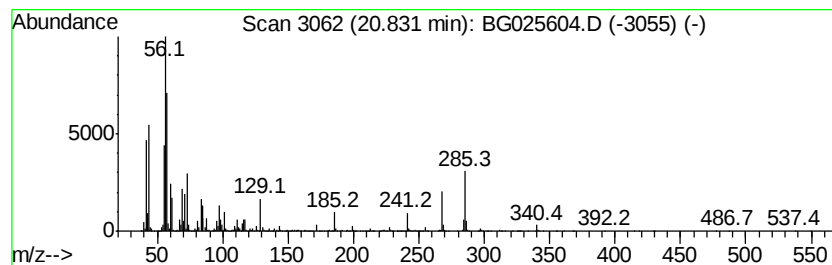
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 Octadecanoic acid, butyl ester Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	56.77 ng/ul	5867360	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		Docosanoic acid	340	C22H44O2	000112-85-6	64
3		Butyl myristate	284	C18H36O2	000110-36-1	50
4		Octadecanoic acid, 2-methylpropyl...	340	C22H44O2	000646-13-9	41
5		Octadecanoic acid	284	C18H36O2	000057-11-4	35



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Acq On : 24 Jan 2017 12:35
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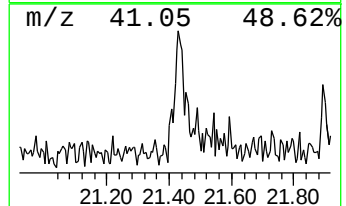
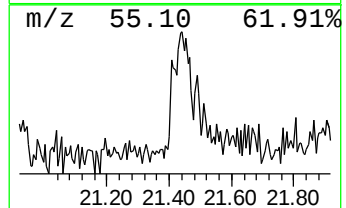
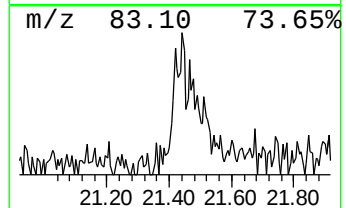
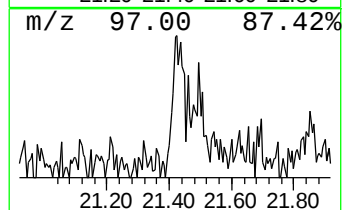
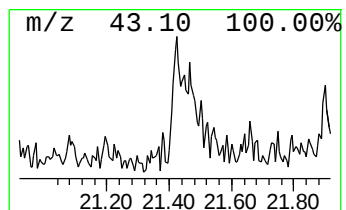
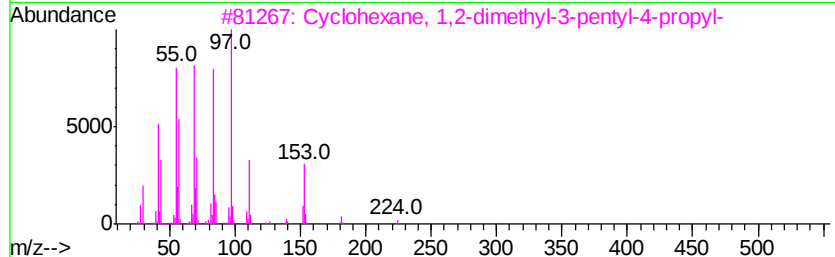
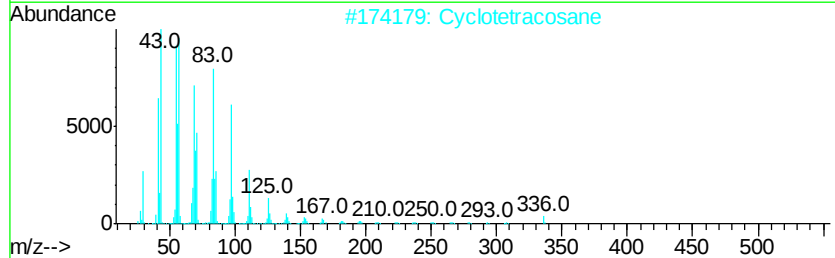
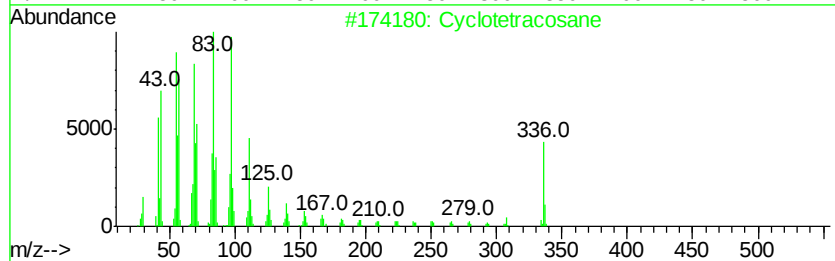
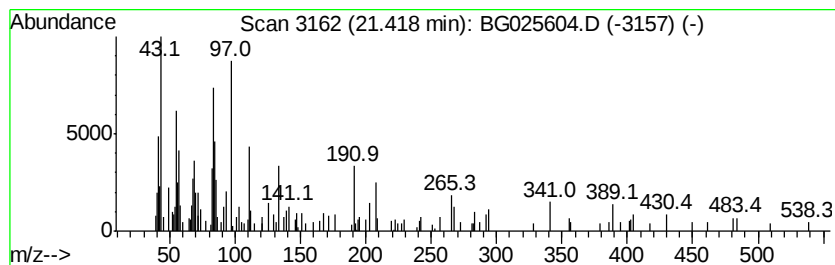
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 (DEL) Alkane: Cyclic21.42 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.42	2.09 ng/ul	216502	Chrysene-d12	21.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclotetracosane	336	C24H48	000297-03-0	53
2		Cyclotetracosane	336	C24H48	000297-03-0	49
3		Cyclohexane, 1,2-dimethyl-3-pent...	224	C16H32	062376-17-4	47
4		2,4-Dimethyl-1,5-diazabicyclo[3....	112	C6H12N2	100463-01-2	43
5		Cyclohexane, 1-(1,5-dimethylhexy...	210	C15H30	029799-19-7	43



Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\
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Misc :
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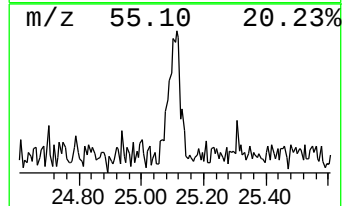
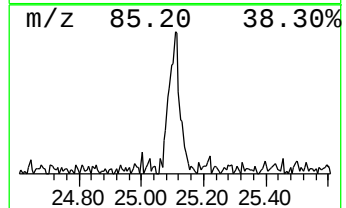
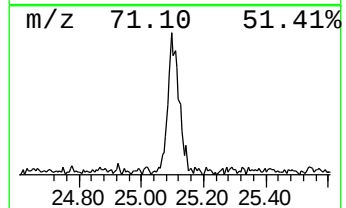
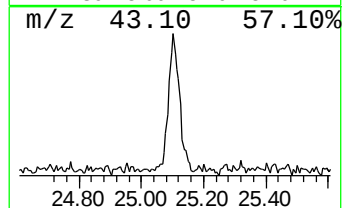
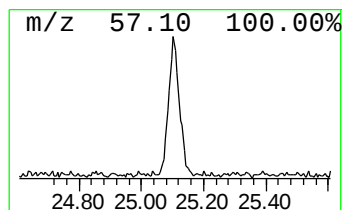
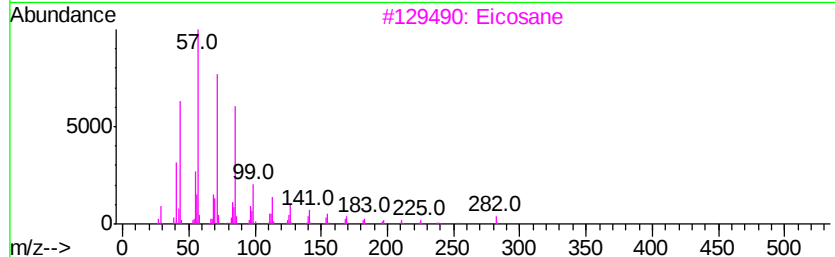
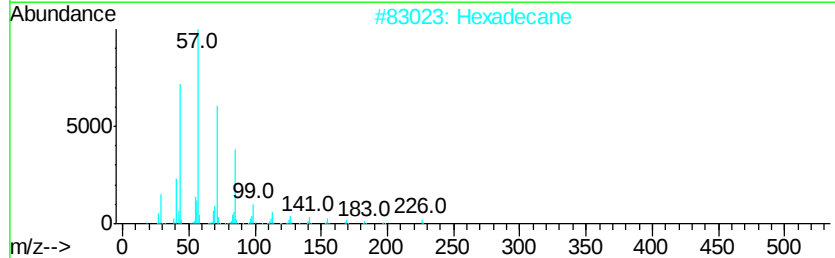
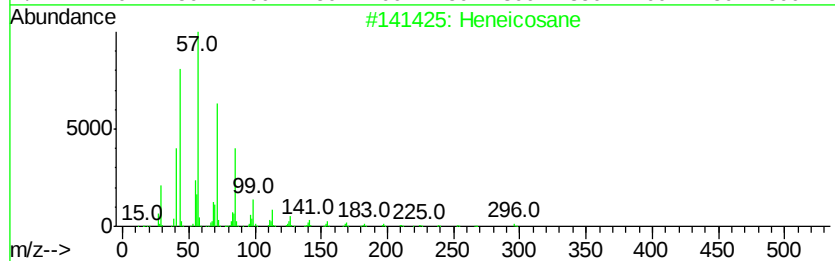
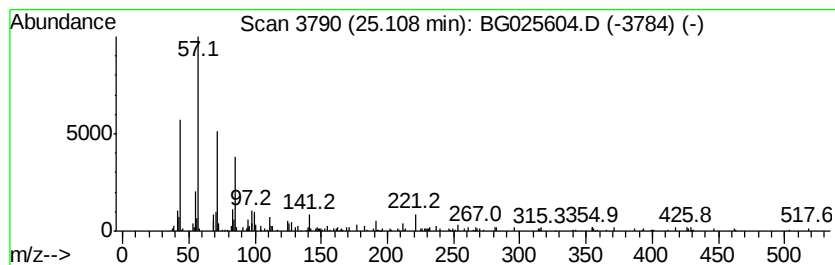
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Quant Title : SVOA CALIBRATION

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	2.95 ng/ul	294832	Perylene-d12	25.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	90
2		Hexadecane	226	C16H34	000544-76-3	81
3		Eicosane	282	C20H42	000112-95-8	81
4		Eicosane, 2-methyl-	296	C21H44	001560-84-5	81
5		Nonane, 5-butyl-	184	C13H28	017312-63-9	74



Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\
Data File : BG025604.D
Acq On : 24 Jan 2017 12:35
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Sample : I1316-05
Misc :
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ClientSampleId :
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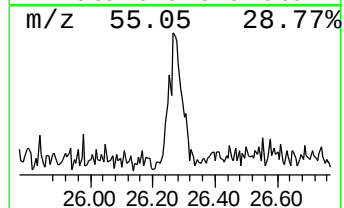
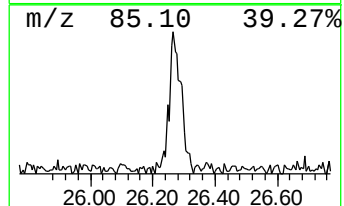
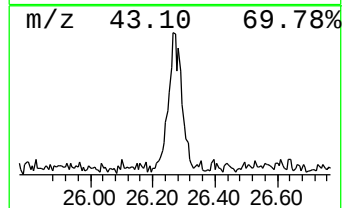
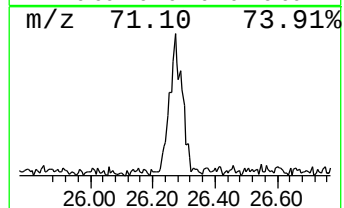
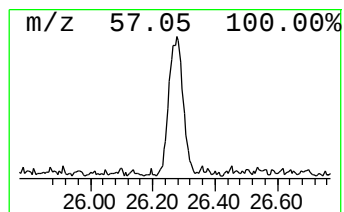
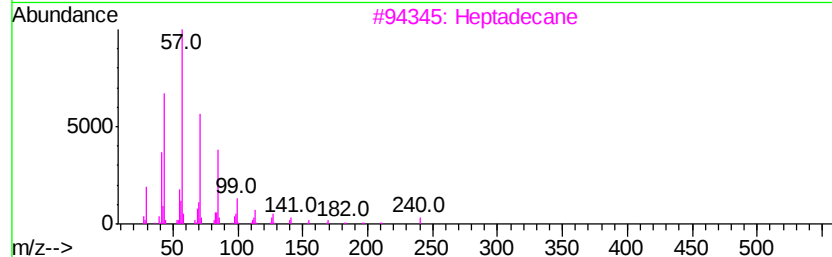
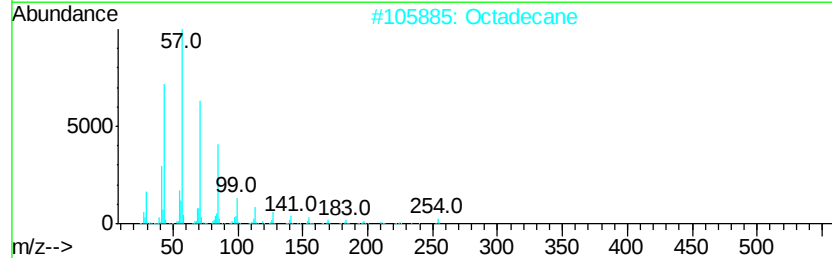
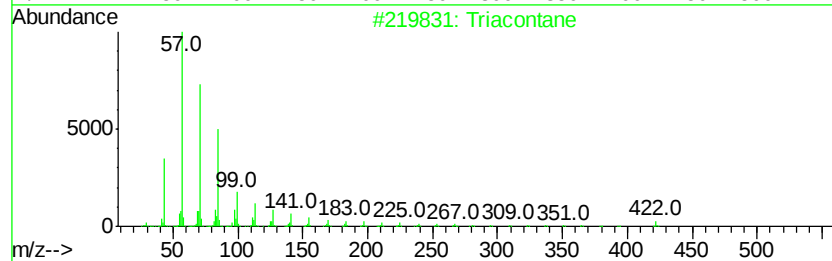
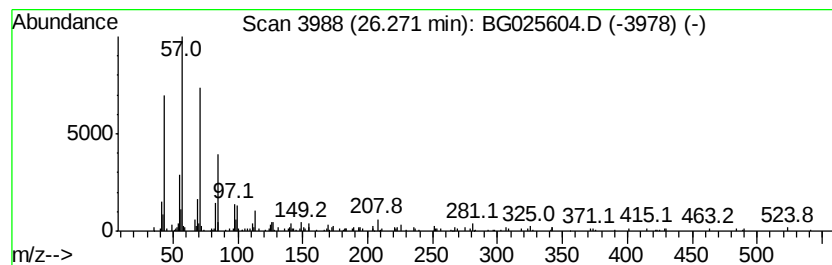
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.27	3.50 ng/ul	349999	Perylene-d12	25.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Triacontane	422	C30H62	000638-68-6	93
2		Octadecane	254	C18H38	000593-45-3	83
3		Heptadecane	240	C17H36	000629-78-7	80
4		Heptacosane	380	C27H56	000593-49-7	80
5		Eicosane	282	C20H42	000112-95-8	80



Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\
Data File : BG025604.D
Acq On : 24 Jan 2017 12:35
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ClientSampleId :
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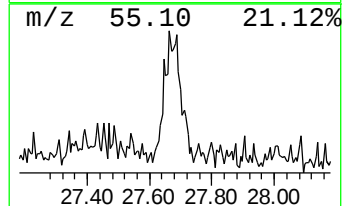
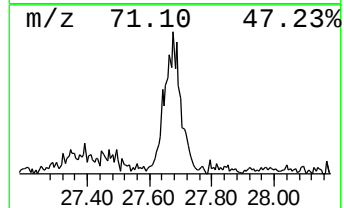
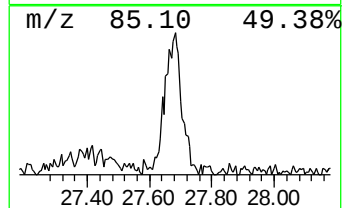
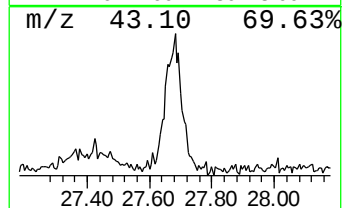
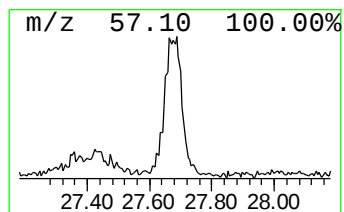
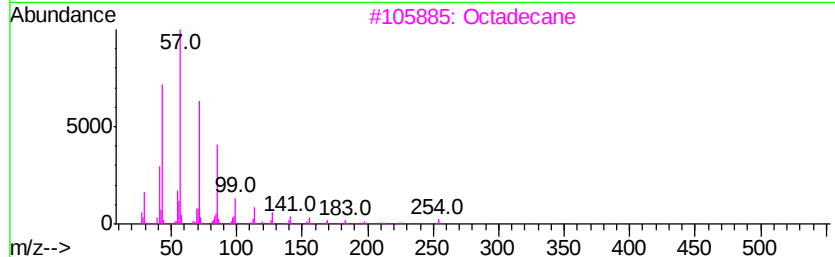
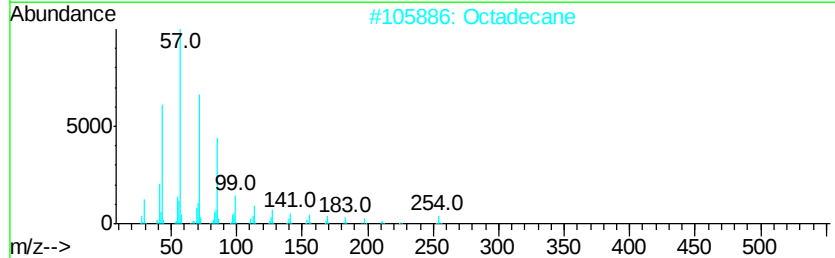
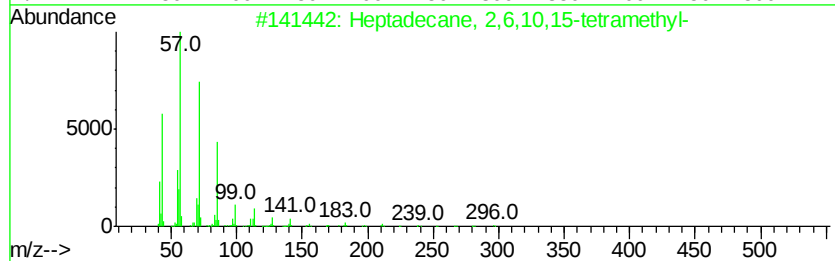
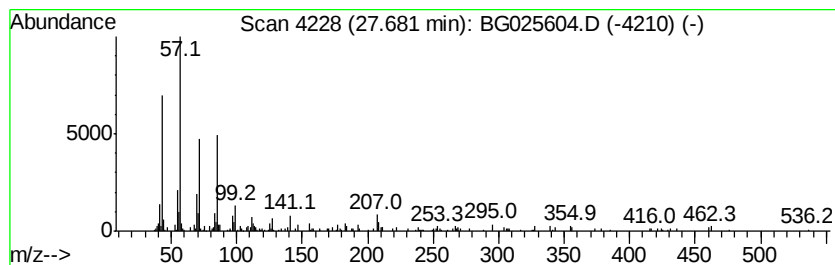
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Quant Title : SVOA CALIBRATION

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.
27.68	4.52 ng/ul	451836	Perylene-d12	25.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	81
2		Octadecane	254	C18H38	000593-45-3	81
3		Octadecane	254	C18H38	000593-45-3	74
4		Octadecane, 2-methyl-	268	C19H40	001560-88-9	74
5		Nonadecane	268	C19H40	000629-92-5	74



Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\
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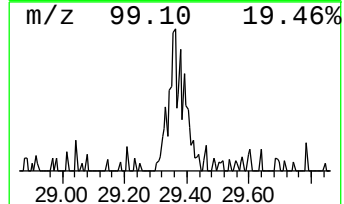
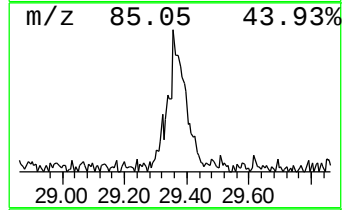
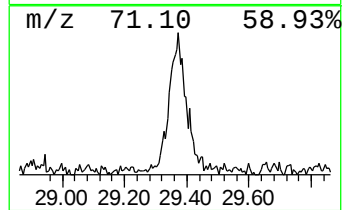
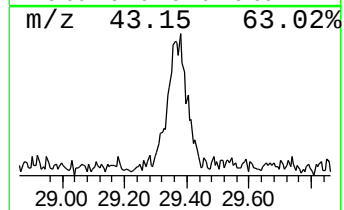
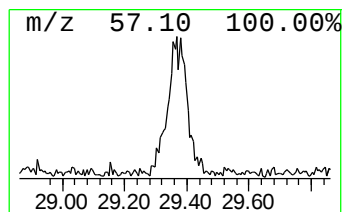
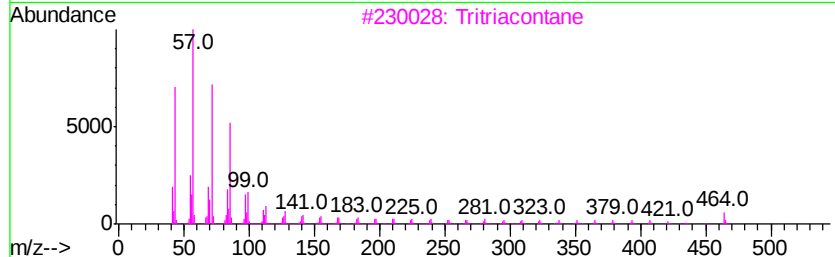
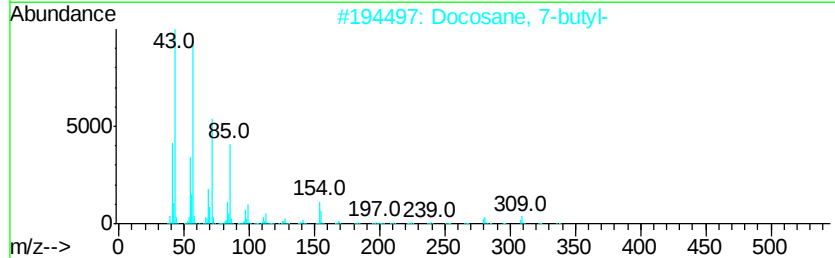
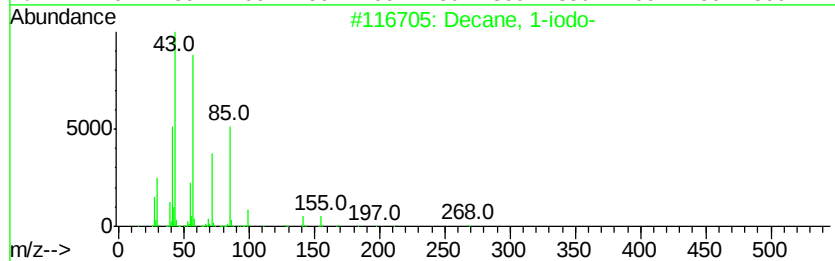
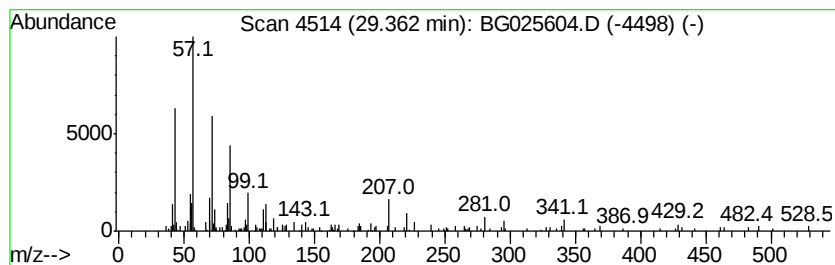
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ClientSampleId :
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Quant Title : SVOA CALIBRATION

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

Peak Number 9 Decane, 1-iodo- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.36	2.40 ng/ul	240333	Perylene-d12	25.24
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Decane, 1-iodo-	268 C10H21I	002050-77-3	72
2	Docosane, 7-butyl-	366 C26H54	055282-15-0	64
3	Tritriacontane	465 C33H68	000630-05-7	64
4	Eicosane, 2-methyl-	296 C21H44	001560-84-5	64
5	Tetradecane	198 C14H30	000629-59-4	64



Data Path : Z:\HPCHEM1\BNA G\DATA\BG012417\
Data File : BG025604.D
Acq On : 24 Jan 2017 12:35
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Sample : I1316-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

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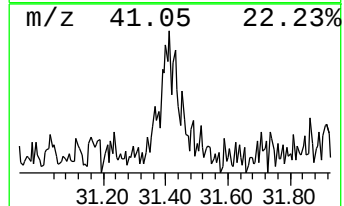
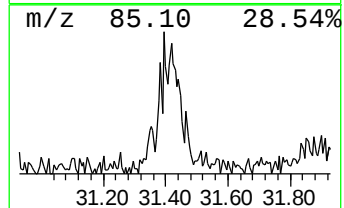
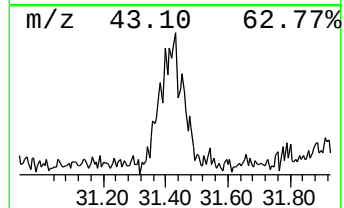
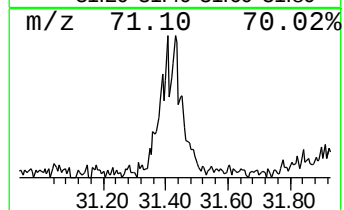
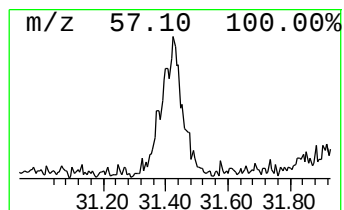
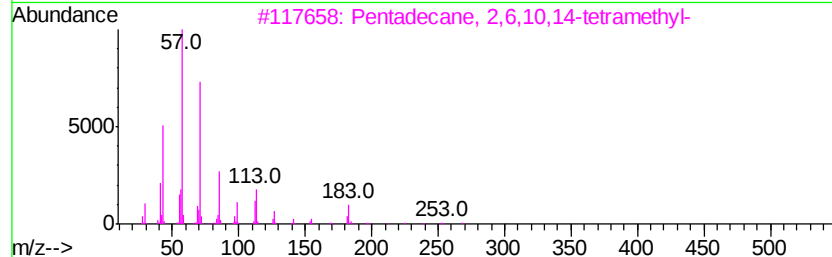
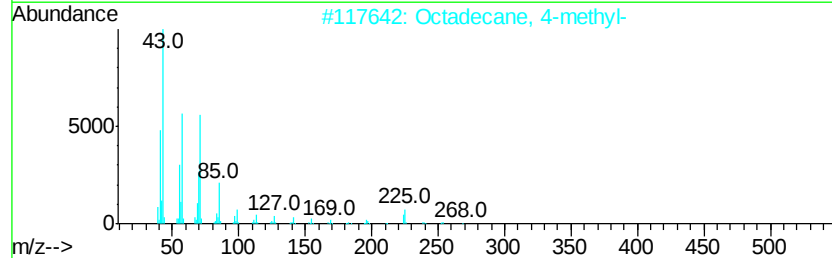
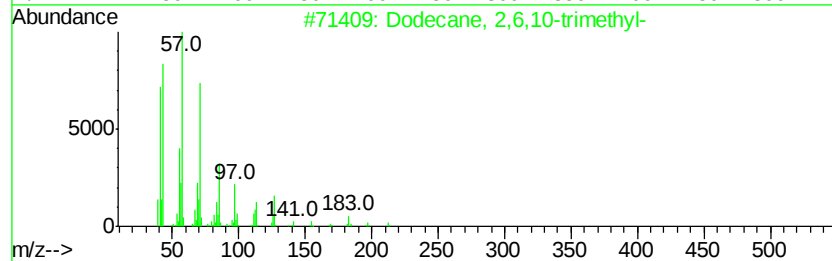
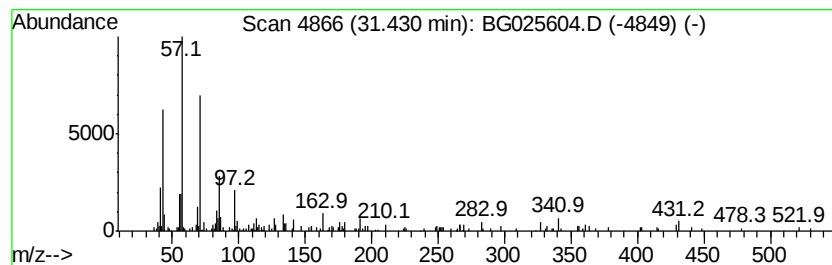
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
31.43	3.51 ng/ul	350889	Perylene-d12	25.24

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64
2			Octadecane, 4-methyl-	268	C19H40	010544-95-3	52
3			Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	50
4			Hexatriacontane	507	C36H74	000630-06-8	50
5			Sulfurous acid, decyl pentyl ester	292	C15H32O3S	1000309-14-3	50



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012417\
Data File : BG025604.D
Acq On : 24 Jan 2017 12:35
Operator : UM/SJ
Sample : I1316-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BDP14

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	2.0	ng/ul	165231	4	17.56	1621280	20.0
Hexadecanoic acid...	19.80	67.8	ng/ul	7012740	5	21.85	2067210	20.0
(DEL) Alkane: Str...	20.48	3.0	ng/ul	315537	5	21.85	2067210	20.0
Octadecanoic acid...	20.83	56.8	ng/ul	5867360	5	21.85	2067210	20.0
(DEL) Alkane: Cyc...	21.42	2.1	ng/ul	216502	5	21.85	2067210	20.0
(DEL) Alkane: Str...	25.11	3.0	ng/ul	294832	6	25.24	1999860	20.0
(DEL) Alkane: Str...	26.27	3.5	ng/ul	349999	6	25.24	1999860	20.0
(DEL) Alkane: Str...	27.68	4.5	ng/ul	451836	6	25.24	1999860	20.0
Decane, 1-iodo-	29.36	2.4	ng/ul	240333	6	25.24	1999860	20.0
(DEL) Alkane: Str...	31.43	3.5	ng/ul	350889	6	25.24	1999860	20.0