

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050117\
 Data File : BG026838.D
 Acq On : 2 May 2017 11:34
 Operator : SJ/MA
 Sample : I2867-05
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JHTA7

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\SOM-EPA-BG042717.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	3.423	55	57	66	rVB4	28064	47577	1.72%	0.114%
2	7.183	692	697	712	rVB	409496	796156	28.85%	1.909%
3	7.330	717	722	735	rVB	391610	650327	23.56%	1.559%
4	7.548	752	759	770	rBV	458596	785344	28.45%	1.883%
5	8.006	830	837	847	rBV	509340	902243	32.69%	2.163%
6	8.723	953	959	979	rVB	581340	1118697	40.53%	2.683%
7	9.163	1027	1034	1049	rBV	453481	854083	30.94%	2.048%
8	9.892	1151	1158	1173	rVB	381989	697893	25.28%	1.673%
9	10.438	1244	1251	1268	rBV	572005	1089908	39.49%	2.613%
10	10.809	1306	1314	1330	rVB	937429	1645860	59.63%	3.947%
11	10.944	1330	1337	1361	rVB	546323	1091231	39.54%	2.617%
12	11.666	1458	1460	1468	rVB5	5509	6241	0.23%	0.015%
13	12.207	1548	1552	1559	rBV6	5980	11735	0.43%	0.028%
14	12.295	1561	1567	1571	rVV7	6509	12336	0.45%	0.030%
15	12.389	1578	1583	1590	rVB3	10976	18546	0.67%	0.044%
16	12.812	1654	1655	1664	rVB4	3550	6744	0.24%	0.016%
17	13.229	1722	1726	1735	rBV7	11247	15642	0.57%	0.038%
18	13.306	1737	1739	1744	rBV5	3784	5628	0.20%	0.013%
19	13.447	1756	1763	1765	rBV5	5946	8842	0.32%	0.021%
20	13.511	1771	1774	1782	rVB7	3934	6734	0.24%	0.016%
21	13.594	1782	1788	1801	rVB10	4623	15624	0.57%	0.037%
22	14.022	1851	1861	1865	rVV	1162410	1723581	62.45%	4.133%
23	14.069	1865	1869	1878	rVV	318160	460914	16.70%	1.105%
24	14.316	1900	1911	1923	rBV	1457371	2308276	83.63%	5.535%
25	14.510	1935	1944	1949	rBV4	18398	26130	0.95%	0.063%
26	14.622	1955	1963	1972	rBV2	1410000	2217319	80.33%	5.317%
27	14.845	1990	2001	2026	rVV	211235	643091	23.30%	1.542%
28	15.004	2026	2028	2030	rVV3	10207	12003	0.43%	0.029%
29	15.033	2030	2033	2043	rVV8	13270	36884	1.34%	0.088%
30	15.115	2043	2047	2056	rVB9	7153	14714	0.53%	0.035%
31	15.403	2091	2096	2101	rBV4	14145	25991	0.94%	0.062%
32	15.456	2101	2105	2110	rVB2	40206	50941	1.85%	0.122%
33	15.509	2110	2114	2119	rVB8	4017	6498	0.24%	0.016%
34	15.609	2119	2131	2144	rBV	1785505	2694923	97.64%	6.462%

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35	15.732	2144	2152	2164	rBV	357437	589952	21.37%	1.415%
36	15.850	2165	2172	2178	rVV5	32795	70881	2.57%	0.170%
37	15.903	2178	2181	2187	rVB9	7897	9056	0.33%	0.022%
38	15.950	2187	2189	2196	rBV6	8520	13473	0.49%	0.032%
39	16.014	2196	2200	2206	rVB8	6302	11511	0.42%	0.028%
40	16.073	2206	2210	2214	rBV5	6628	9181	0.33%	0.022%
41	16.314	2244	2251	2260	rBV	62830	112758	4.09%	0.270%
42	16.384	2260	2263	2272	rVB9	5897	11944	0.43%	0.029%
43	16.490	2276	2281	2284	rVB6	6087	9965	0.36%	0.024%
44	16.555	2287	2292	2300	rVB10	5237	12735	0.46%	0.031%
45	16.660	2303	2310	2313	rBV8	12852	20991	0.76%	0.050%
46	16.766	2323	2328	2333	rVB9	8043	16783	0.61%	0.040%
47	16.819	2333	2337	2340	rBV4	6990	9762	0.35%	0.023%
48	17.101	2379	2385	2390	rVV2	46464	57389	2.08%	0.138%
49	17.154	2390	2394	2405	rVB6	18492	40415	1.46%	0.097%
50	17.260	2405	2412	2415	rVB8	11240	20916	0.76%	0.050%
51	17.354	2415	2428	2437	rBV2	1470907	2295069	83.15%	5.503%
52	17.454	2437	2445	2453	rVB2	1762086	2623097	95.04%	6.290%
53	17.630	2472	2475	2483	rVB7	5935	9328	0.34%	0.022%
54	17.759	2491	2497	2501	rBV8	3363	8558	0.31%	0.021%
55	17.836	2506	2510	2515	rBV2	31212	50053	1.81%	0.120%
56	18.012	2537	2540	2545	rVB6	9534	13751	0.50%	0.033%
57	18.065	2545	2549	2551	rBV5	5986	7651	0.28%	0.018%
58	18.118	2552	2558	2567	rBV8	18558	44182	1.60%	0.106%
59	18.188	2567	2570	2572	rBV4	5812	6477	0.23%	0.016%
60	18.235	2572	2578	2587	rBV	267403	437512	15.85%	1.049%
61	18.300	2587	2589	2596	rVB2	19809	37606	1.36%	0.090%
62	18.529	2623	2628	2632	rBV2	23881	29505	1.07%	0.071%
63	18.588	2632	2638	2640	rBV7	9392	13294	0.48%	0.032%
64	18.652	2646	2649	2653	rVB6	15294	16701	0.61%	0.040%
65	18.776	2668	2670	2675	rVB6	4226	7574	0.27%	0.018%
66	18.964	2698	2702	2708	rVB8	12828	18764	0.68%	0.045%
67	19.152	2730	2734	2740	rBV2	26088	36884	1.34%	0.088%
68	19.210	2740	2744	2745	rBV4	7680	8355	0.30%	0.020%
69	19.240	2746	2749	2752	rBV5	5838	7971	0.29%	0.019%
70	19.310	2757	2761	2766	rBV8	8296	10013	0.36%	0.024%
71	19.381	2766	2773	2787	rBV5	53604	192027	6.96%	0.460%

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72	19.504	2788	2794	2808	rVV2	134121	253070	9.17%	0.607%
73	19.628	2810	2815	2823	rVB5	20276	48735	1.77%	0.117%
74	19.733	2824	2833	2847	rVV	1874719	2732266	98.99%	6.552%
75	20.168	2905	2907	2914	rVB8	12169	18783	0.68%	0.045%
76	20.256	2915	2922	2929	rVV	42644	59801	2.17%	0.143%
77	20.321	2929	2933	2936	rBV6	11703	17863	0.65%	0.043%
78	20.579	2972	2977	2979	rBV6	16389	26025	0.94%	0.062%
79	20.609	2980	2982	2985	rBV4	10288	14250	0.52%	0.034%
80	20.691	2993	2996	3000	rVB5	18551	19659	0.71%	0.047%
81	20.744	3001	3005	3009	rVB3	30601	45023	1.63%	0.108%
82	21.243	3085	3090	3096	rVB	84566	108748	3.94%	0.261%
83	21.384	3101	3114	3128	rBV	100455	658116	23.84%	1.578%
84	21.602	3143	3151	3164	rBV	1549408	2468439	89.43%	5.919%
85	21.737	3170	3174	3177	rBV6	36014	50971	1.85%	0.122%
86	21.778	3178	3181	3188	rVB3	49793	68820	2.49%	0.165%
87	22.371	3277	3282	3288	rBV2	99108	144291	5.23%	0.346%
88	22.501	3301	3304	3307	rBV4	18850	29376	1.06%	0.070%
89	22.742	3340	3345	3355	rVB2	111357	221295	8.02%	0.531%
90	22.859	3360	3365	3377	rBV2	27996	62839	2.28%	0.151%
91	23.047	3392	3397	3405	rVB	79603	150072	5.44%	0.360%
92	23.235	3424	3429	3436	rVB	116987	220931	8.00%	0.530%
93	23.829	3523	3530	3543	rVB	158689	354282	12.84%	0.850%
94	24.545	3642	3652	3671	rVB2	965152	2690575	97.48%	6.452%
95	24.763	3679	3689	3704	rBV2	970527	2760114	100.00%	6.618%
96	25.850	3864	3874	3886	rBV3	163972	508123	18.41%	1.218%
97	26.285	3939	3948	3958	rBV3	27227	97605	3.54%	0.234%
98	27.166	4089	4098	4111	rVB2	107553	362843	13.15%	0.870%
99	28.758	4358	4369	4387	rVB3	80123	338173	12.25%	0.811%
100	30.668	4685	4694	4707	rVB5	62644	271344	9.83%	0.651%

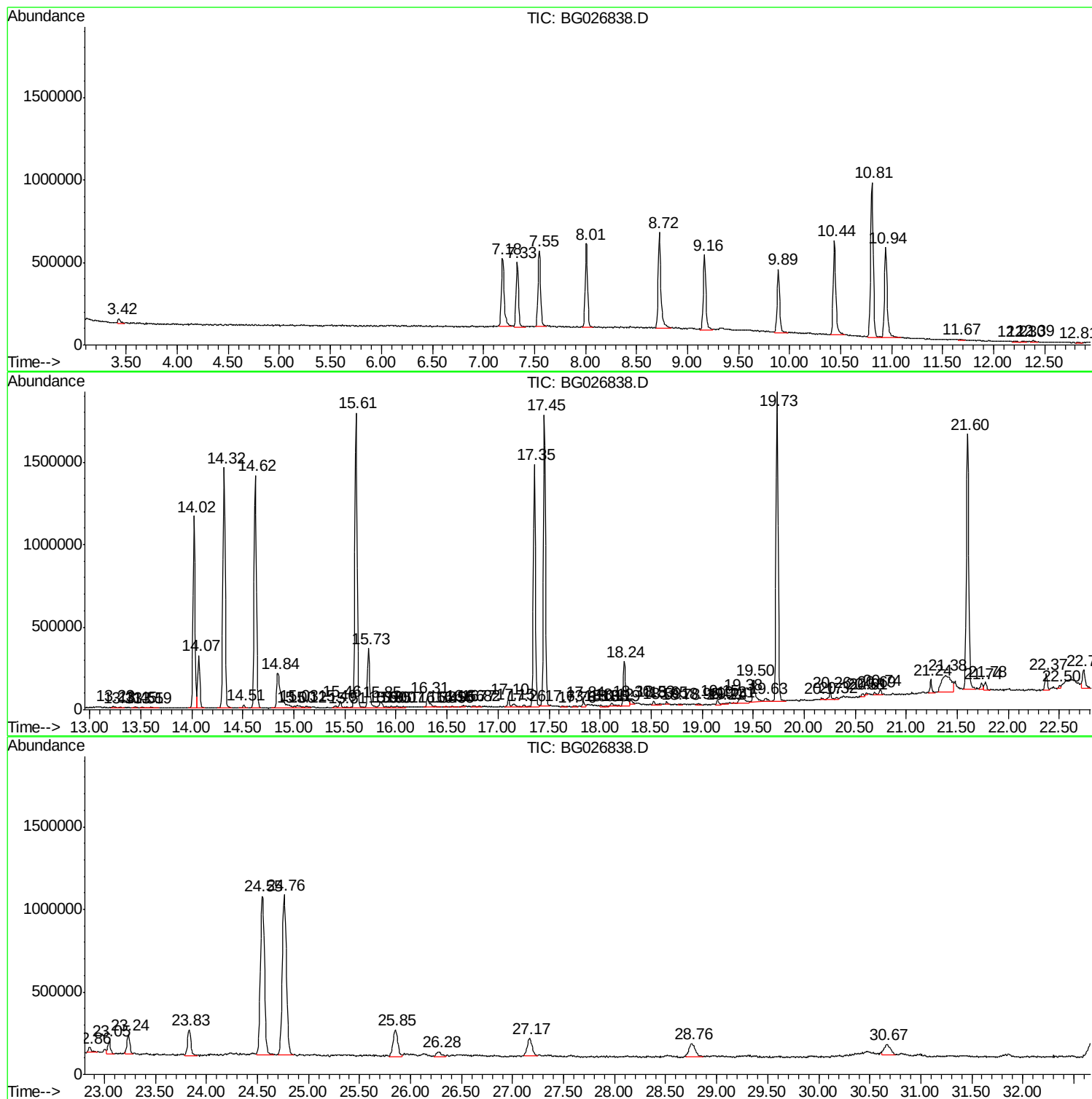
Sum of corrected areas: 41703172

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

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



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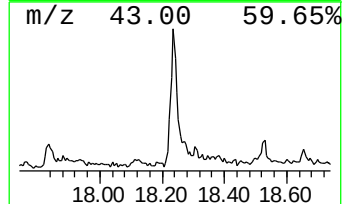
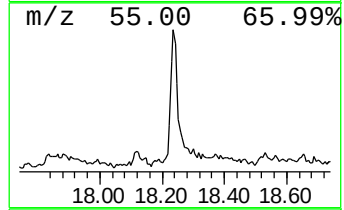
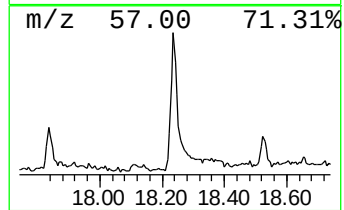
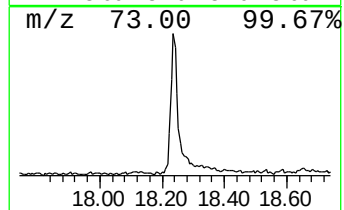
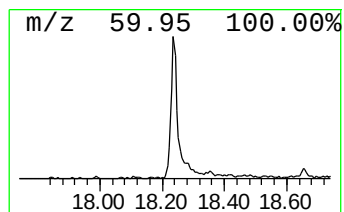
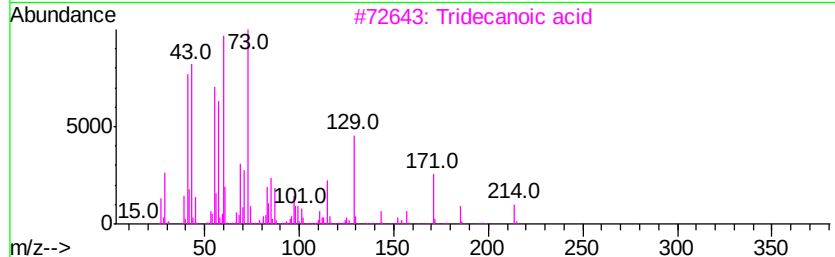
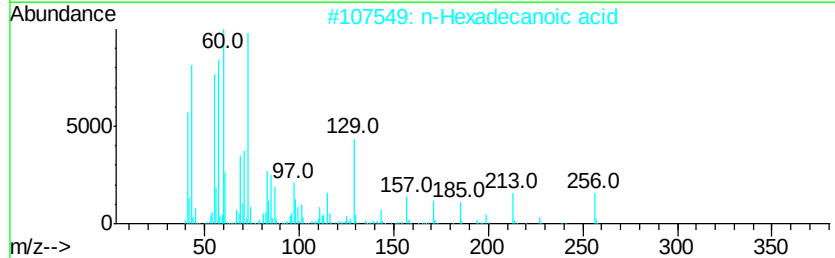
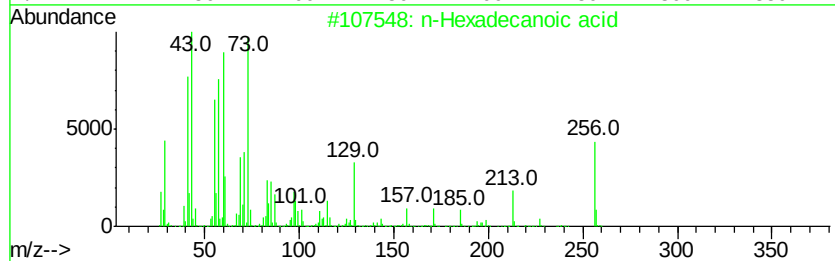
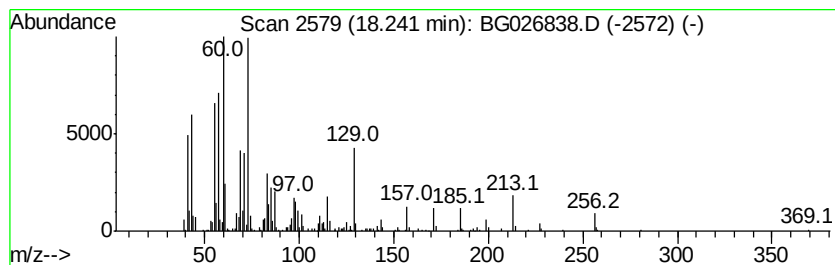
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.		
18.24	3.81 ng/ul	437512	Phenanthrene-d10		17.35		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
3			Tridecanoic acid	214	C13H26O2	000638-53-9	93
4			Pentadecanoic acid	242	C15H30O2	001002-84-2	87
5			Tetradecanoic acid	228	C14H28O2	000544-63-8	83



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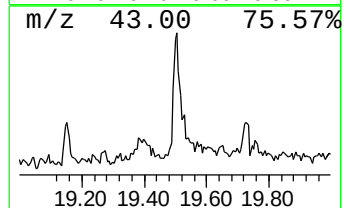
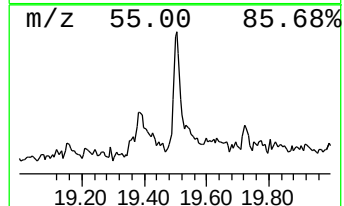
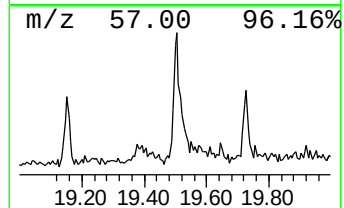
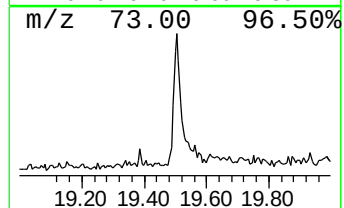
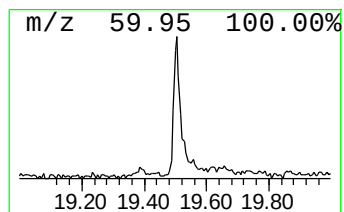
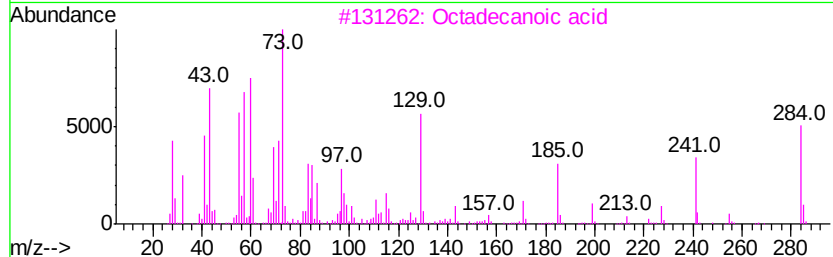
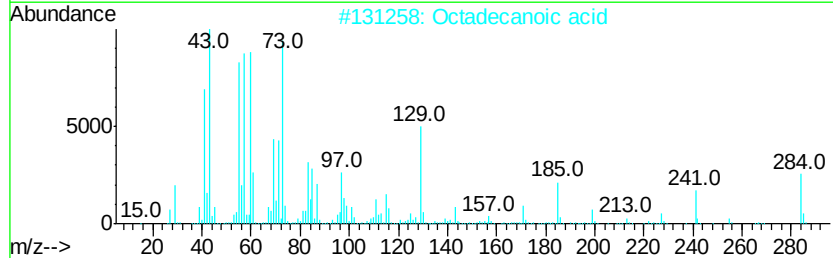
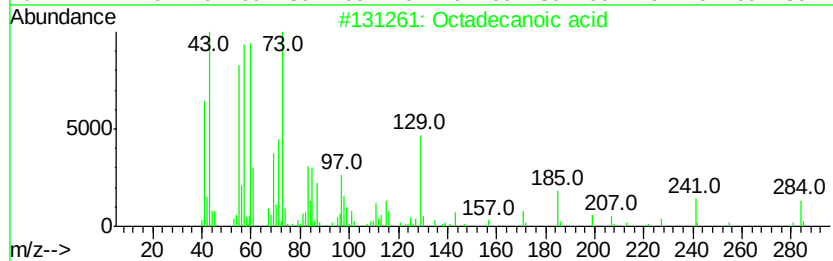
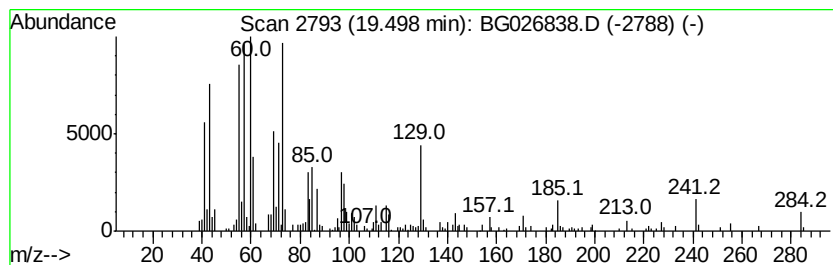
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.50	2.05 ng/ul	253070	Chrysene-d12	21.60	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	99
3	Octadecanoic acid	284	C18H36O2	000057-11-4	98
4	Octadecanoic acid	284	C18H36O2	000057-11-4	96
5	Octadecanoic acid	284	C18H36O2	000057-11-4	93



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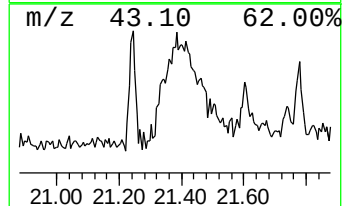
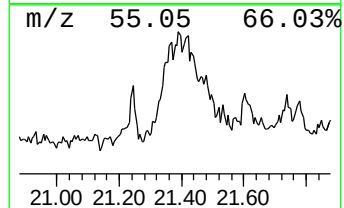
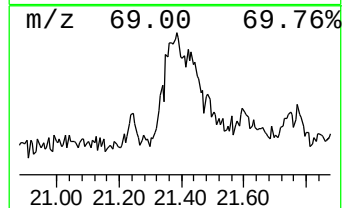
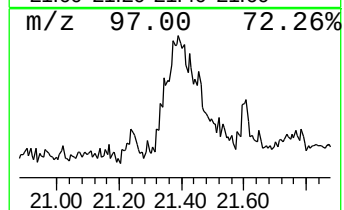
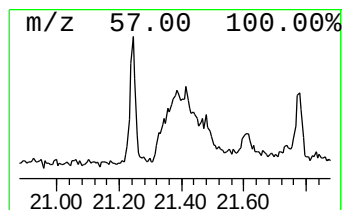
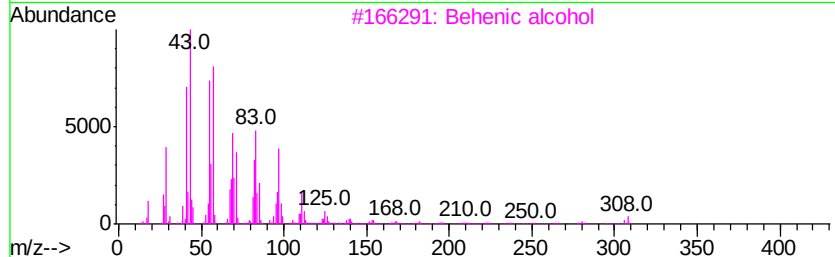
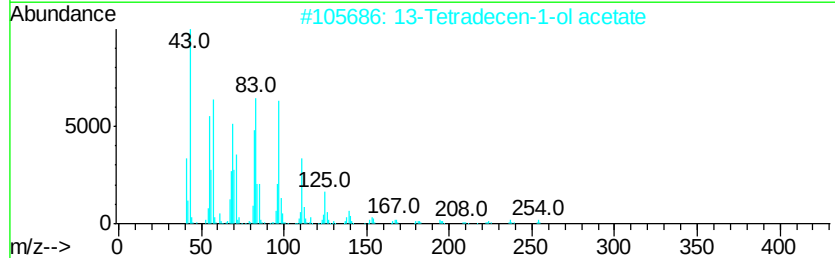
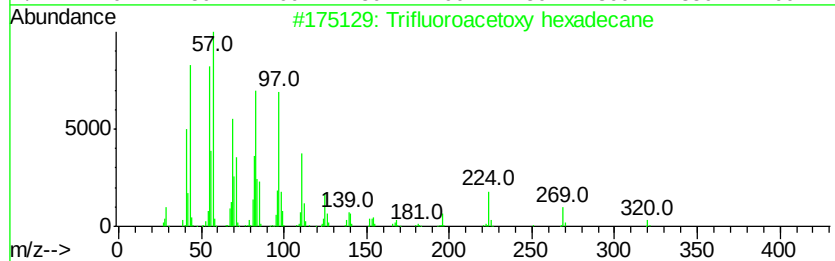
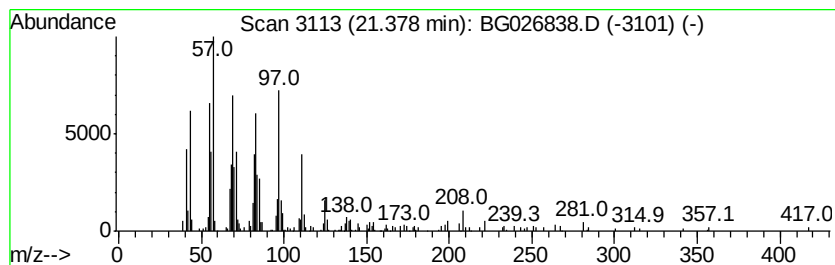
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Trifluoroacetoxy hexadecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
21.38	5.33 ng/ul	658116	Chrysene-d12	21.60		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	91
2		13-Tetradecen-1-ol acetate	254	C16H30O2	056221-91-1	87
3		Behenic alcohol	326	C22H46O	000661-19-8	86
4		Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	81
5		Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	80



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Acq On : 2 May 2017 11:34
Operator : SJ/MA
Sample : I2867-05
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JHTA7

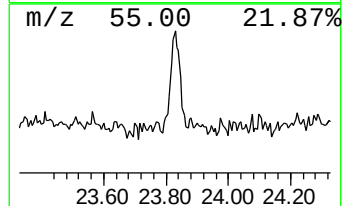
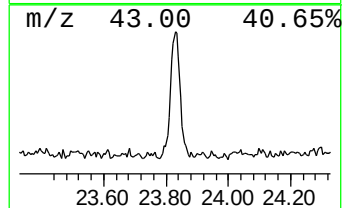
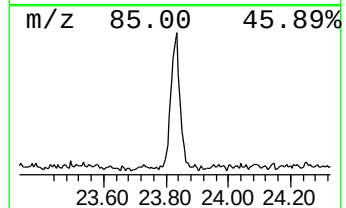
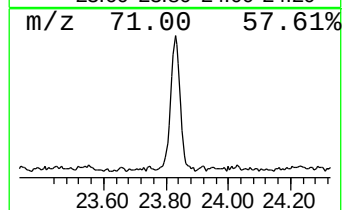
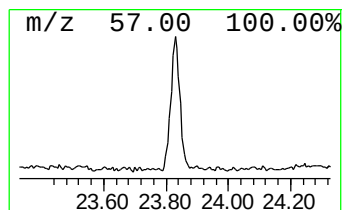
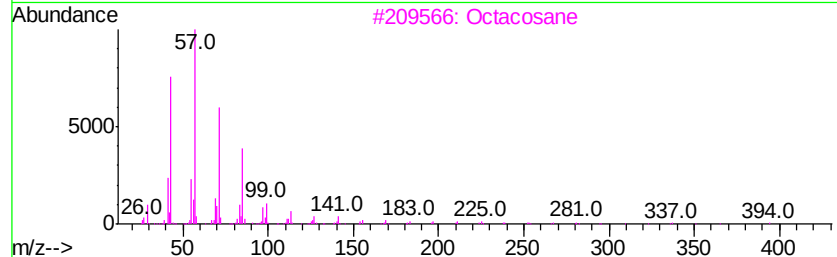
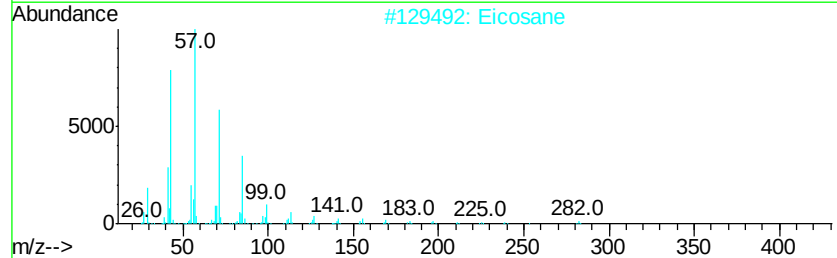
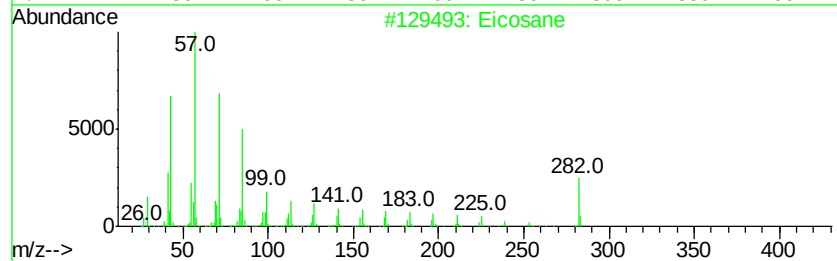
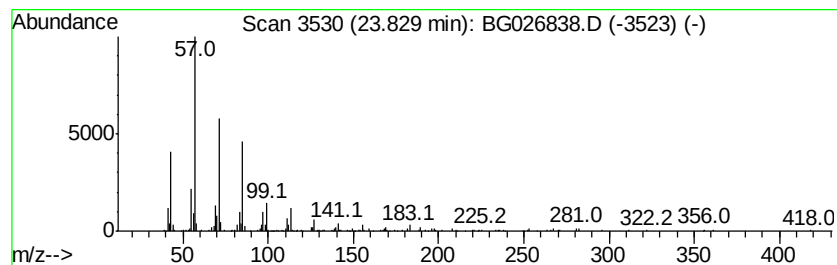
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.83	2.57 ng/ul	354282	Perylene-d12	24.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	87
2		Eicosane	282	C20H42	000112-95-8	87
3		Octacosane	394	C28H58	000630-02-4	86
4		Eicosane, 2-methyl-	296	C21H44	001560-84-5	86
5		Tridecane, 2-methyl-	198	C14H30	001560-96-9	83



Data Path : Z:\HPCHEM1\BNA G\DATA\BG050117\
Data File : BG026838.D
Acq On : 2 May 2017 11:34
Operator : SJ/MA
Sample : I2867-05
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JHTA7

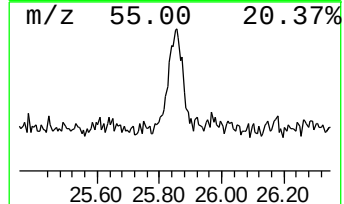
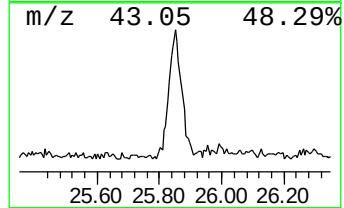
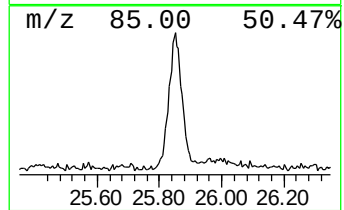
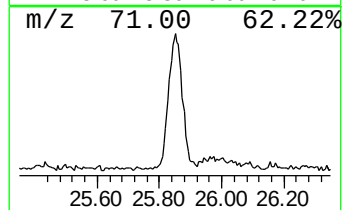
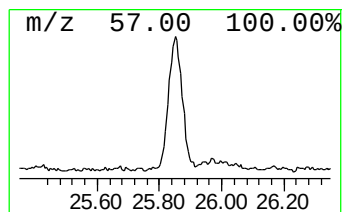
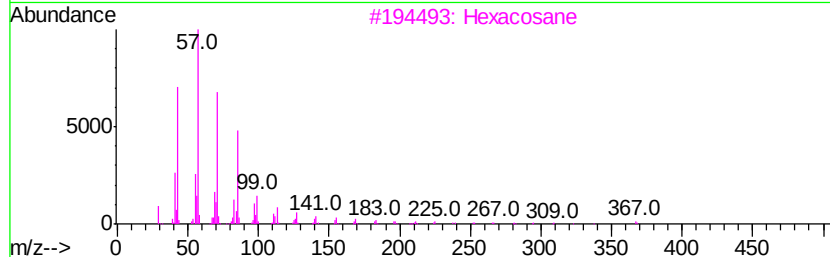
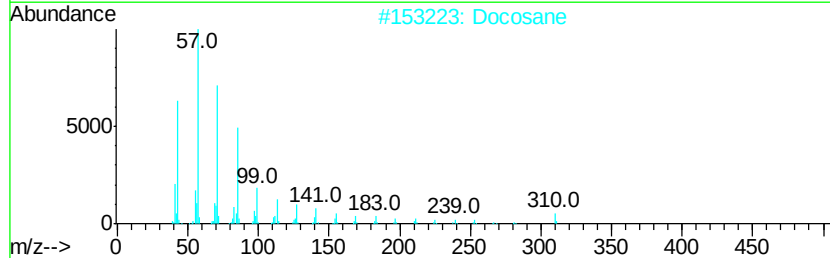
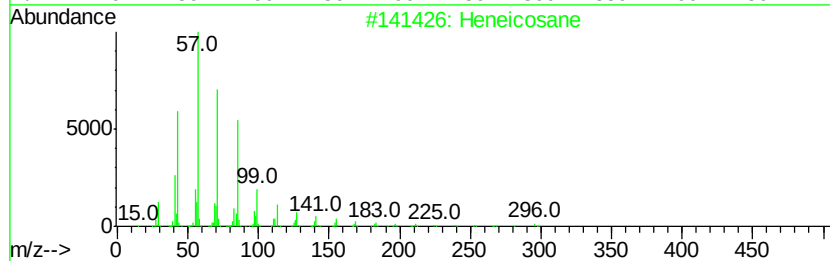
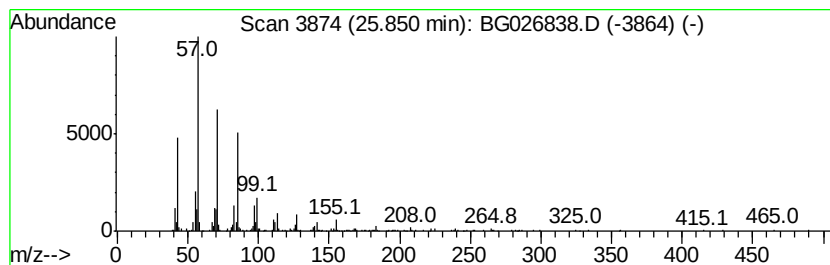
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.85	3.68 ng/ul	508123	Perylene-d12	24.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	90
2		Docosane	310	C22H46	000629-97-0	86
3		Hexacosane	366	C26H54	000630-01-3	86
4		Triacontane	422	C30H62	000638-68-6	86
5		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	86



Data Path : Z:\HPCHEM1\BNA G\DATA\BG050117\
Data File : BG026838.D
Acq On : 2 May 2017 11:34
Operator : SJ/MA
Sample : I2867-05
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JHTA7

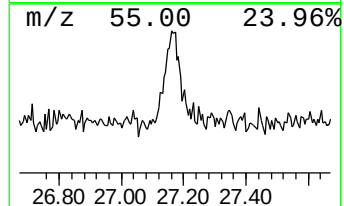
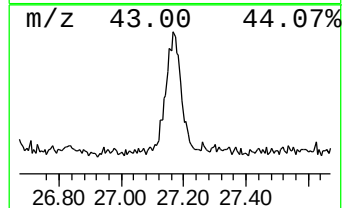
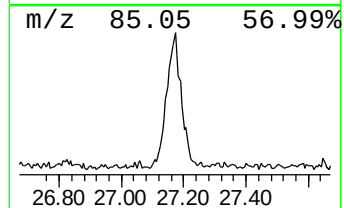
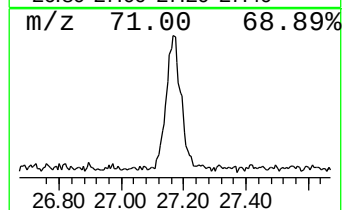
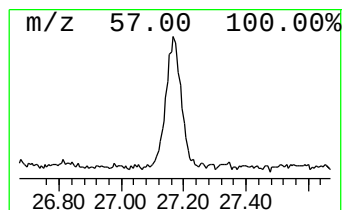
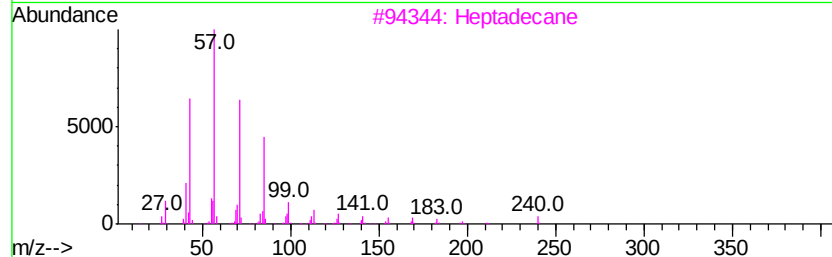
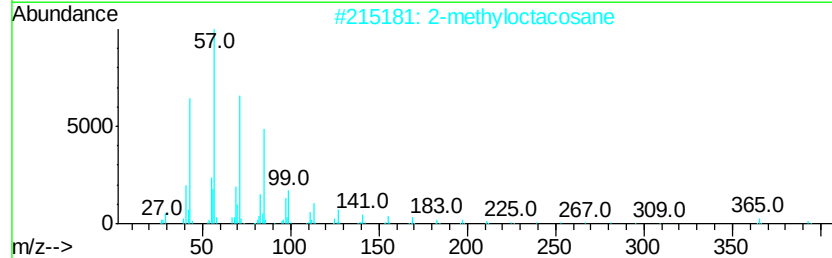
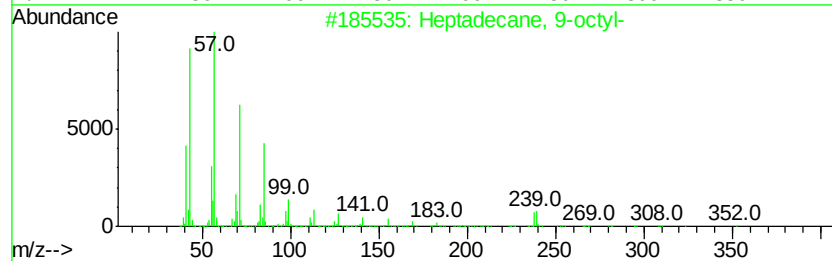
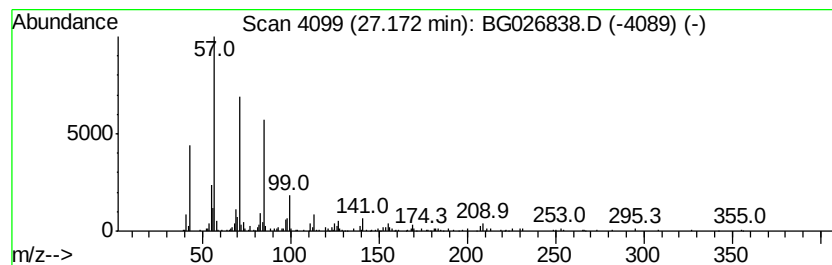
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

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.
27.17	2.63 ng/ul	362843	Perylene-d12	24.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
2		2-methyloctacosane	408	C29H60	1000376-72-8	86
3		Heptadecane	240	C17H36	000629-78-7	86
4		Eicosane, 7-hexyl-	366	C26H54	055333-99-8	86
5		Nonadecane	268	C19H40	000629-92-5	80



Data Path : Z:\HPCHEM1\BNA G\DATA\BG050117\
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Acq On : 2 May 2017 11:34
Operator : SJ/MA
Sample : I2867-05
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JHTA7

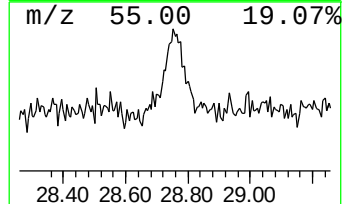
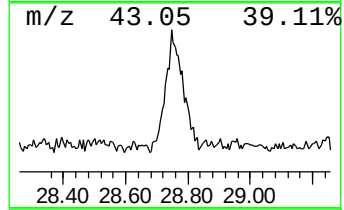
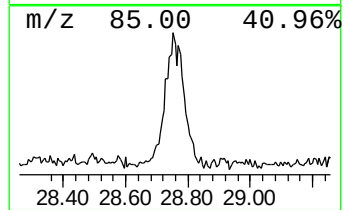
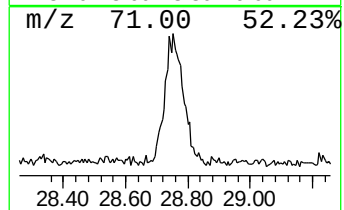
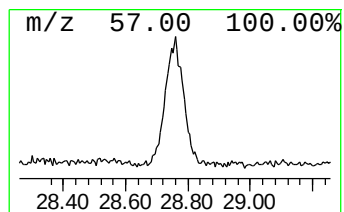
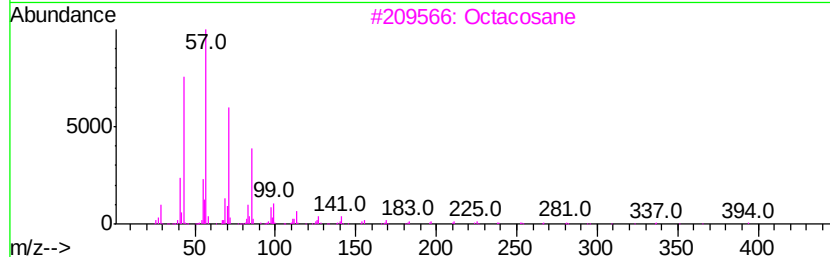
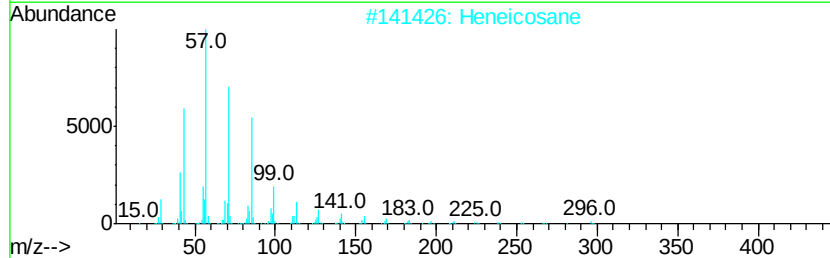
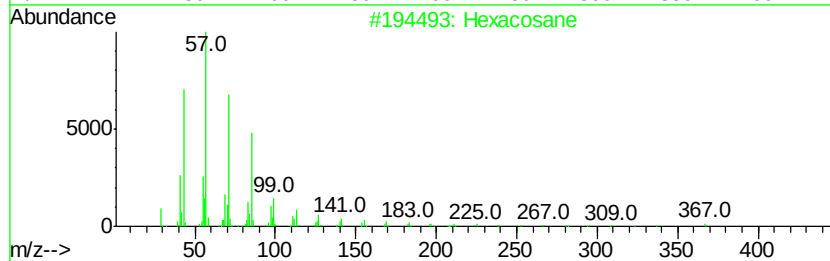
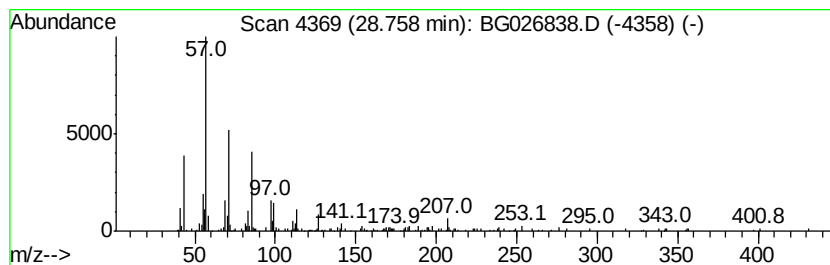
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.76	2.45 ng/ul	338173	Perylene-d12	24.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexacosane	366	C26H54	000630-01-3	90
2		Heneicosane	296	C21H44	000629-94-7	87
3		Octacosane	394	C28H58	000630-02-4	87
4		Hentriacontane	437	C31H64	000630-04-6	87
5		Docosane	310	C22H46	000629-97-0	87



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050117\
Data File : BG026838.D
Acq On : 2 May 2017 11:34
Operator : SJ/MA
Sample : I2867-05
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JHTA7

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.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
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Octadecanoic acid	19.50	2.0	ng/ul	253070	5	21.60	2468440	20.0
Trifluoroacetoxy ...	21.38	5.3	ng/ul	658116	5	21.60	2468440	20.0
(DEL) Alkane: Str...	23.83	2.6	ng/ul	354282	6	24.76	2760110	20.0
(DEL) Alkane: Str...	25.85	3.7	ng/ul	508123	6	24.76	2760110	20.0
(DEL) Alkane: Str...	27.17	2.6	ng/ul	362843	6	24.76	2760110	20.0
(DEL) Alkane: Str...	28.76	2.5	ng/ul	338173	6	24.76	2760110	20.0