

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
 Data File : BG027500.D
 Acq On : 17 Jun 2017 9:54
 Operator : SJ/MA
 Sample : I3599-02
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 F5A74

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-BG061617.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	4.076	26	32	44	rVB	13702	23583	1.32%	0.118%
2	4.340	73	77	82	rBV5	2165	3978	0.22%	0.020%
3	5.933	343	348	353	rBV3	2235	3840	0.21%	0.019%
4	6.602	459	462	473	rBV5	2309	4726	0.26%	0.024%
5	6.738	480	485	490	rBV5	1929	3196	0.18%	0.016%
6	7.448	601	606	615	rBV3	5484	10894	0.61%	0.054%
7	7.654	630	641	654	rBV	234148	449492	25.10%	2.247%
8	7.830	663	671	684	rBV	192606	338136	18.88%	1.691%
9	8.048	700	708	721	rBV	217736	406259	22.69%	2.031%
10	8.436	765	774	780	rBV5	2460	5405	0.30%	0.027%
11	8.518	780	788	797	rVB	152795	279582	15.61%	1.398%
12	8.835	838	842	847	rBV4	1991	4106	0.23%	0.021%
13	8.882	847	850	858	rVB6	1640	2769	0.15%	0.014%
14	9.194	893	903	915	rBV	302558	544579	30.41%	2.723%
15	9.681	976	986	993	rBV	221128	423323	23.64%	2.116%
16	9.740	993	996	1004	rVB3	7686	12154	0.68%	0.061%
17	10.404	1099	1109	1121	rBV	182777	354262	19.79%	1.771%
18	10.938	1191	1200	1212	rVB	283750	533184	29.78%	2.666%
19	11.338	1258	1268	1281	rVB	242760	467266	26.10%	2.336%
20	11.461	1281	1289	1305	rBV	286428	558954	31.22%	2.795%
21	12.883	1524	1531	1537	rBV4	4244	8230	0.46%	0.041%
22	13.459	1623	1629	1639	rBV4	6064	10476	0.59%	0.052%
23	13.694	1664	1669	1675	rBV4	6848	11448	0.64%	0.057%
24	13.753	1675	1679	1685	rVB5	2912	4592	0.26%	0.023%
25	13.888	1699	1702	1710	rBV4	2577	4378	0.24%	0.022%
26	13.970	1710	1716	1720	rVB4	2788	4045	0.23%	0.020%
27	14.493	1796	1805	1809	rBV	584540	926297	51.73%	4.631%
28	14.534	1809	1812	1828	rVB	250494	363942	20.33%	1.820%
29	14.799	1850	1857	1867	rBV	616936	1045556	58.39%	5.227%
30	14.951	1877	1883	1889	rVB	10314	13487	0.75%	0.067%
31	15.104	1900	1909	1919	rVB2	419500	702931	39.26%	3.514%
32	15.269	1926	1937	1951	rBV	262110	457741	25.56%	2.289%
33	15.392	1953	1958	1965	rVB6	1959	3986	0.22%	0.020%
34	15.451	1965	1968	1974	rVB5	2769	3688	0.21%	0.018%

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Integration Parameters: LSCINT.P

Integrator: RTE
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Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
 Title : SVOA CALIBRATION

35	15.504	1974	1977	1984	rVB5	2425	3822	0.21%	0.019%
36	15.568	1984	1988	1995	rVB5	3155	5860	0.33%	0.029%
37	15.639	1995	2000	2006	rBV6	2401	4462	0.25%	0.022%
38	15.862	2033	2038	2041	rBV	3263	5233	0.29%	0.026%
39	15.903	2041	2045	2051	rVB	19231	26469	1.48%	0.132%
40	16.091	2069	2077	2085	rBV	866493	1387082	77.47%	6.935%
41	16.191	2085	2094	2105	rVV	301617	463999	25.91%	2.320%
42	16.332	2105	2118	2124	rVB6	9323	25283	1.41%	0.126%
43	16.409	2124	2131	2136	rVB5	2362	4312	0.24%	0.022%
44	16.456	2136	2139	2143	rBV2	2807	3814	0.21%	0.019%
45	16.526	2147	2151	2159	rVB6	3370	5548	0.31%	0.028%
46	16.608	2159	2165	2170	rBV6	1340	3004	0.17%	0.015%
47	16.761	2187	2191	2203	rBV2	23247	40426	2.26%	0.202%
48	16.955	2220	2224	2230	rVB6	2627	3435	0.19%	0.017%
49	17.043	2234	2239	2242	rBV5	3027	3510	0.20%	0.018%
50	17.108	2246	2250	2253	rBV3	3895	4968	0.28%	0.025%
51	17.219	2263	2269	2274	rVB7	3774	7205	0.40%	0.036%
52	17.272	2275	2278	2285	rVB7	2514	4142	0.23%	0.021%
53	17.331	2285	2288	2292	rBV2	2669	3425	0.19%	0.017%
54	17.554	2322	2326	2332	rBV2	15312	22945	1.28%	0.115%
55	17.607	2332	2335	2338	rVV3	3291	5409	0.30%	0.027%
56	17.637	2338	2340	2346	rVV4	3270	4639	0.26%	0.023%
57	17.719	2346	2354	2359	rVB8	2537	4832	0.27%	0.024%
58	17.854	2369	2377	2386	rBV2	561019	908848	50.76%	4.544%
59	17.954	2386	2394	2405	rVV	995746	1574395	87.93%	7.872%
60	18.024	2405	2406	2415	rVB6	2257	3568	0.20%	0.018%
61	18.095	2415	2418	2423	rBV5	2620	4071	0.23%	0.020%
62	18.230	2438	2441	2447	rVB7	2788	3804	0.21%	0.019%
63	18.300	2447	2453	2457	rBV3	8211	11369	0.63%	0.057%
64	18.418	2468	2473	2476	rBV6	1747	3371	0.19%	0.017%
65	18.471	2476	2482	2494	rVB7	3552	7200	0.40%	0.036%
66	18.583	2494	2501	2509	rBV9	4896	14388	0.80%	0.072%
67	18.694	2514	2520	2531	rBV	122485	225733	12.61%	1.129%
68	18.771	2531	2533	2540	rVB3	9409	12902	0.72%	0.065%
69	18.976	2566	2568	2572	rBV5	2311	2737	0.15%	0.014%
70	19.105	2583	2590	2593	rBV6	3525	4690	0.26%	0.023%
71	19.258	2613	2616	2622	rBV8	1943	2913	0.16%	0.015%

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72	19.493	2653	2656	2659	rVB5	2409	3536	0.20%	0.018%
73	19.540	2659	2664	2665	rBV4	2266	3349	0.19%	0.017%
74	19.593	2669	2673	2676	rVV5	2035	3447	0.19%	0.017%
75	19.852	2704	2717	2727	rBV3	17512	56880	3.18%	0.284%
76	19.951	2729	2734	2745	rBV	42382	84704	4.73%	0.423%
77	20.092	2753	2758	2768	rVB3	40350	65977	3.68%	0.330%
78	20.169	2768	2771	2773	rBV4	4264	4914	0.27%	0.025%
79	20.222	2773	2780	2789	rVV	1150747	1790555	100.00%	8.952%
80	20.698	2860	2861	2867	rVB5	4063	3170	0.18%	0.016%
81	21.156	2934	2939	2945	rVB3	27453	36029	2.01%	0.180%
82	21.226	2946	2951	2954	rBV4	8403	12365	0.69%	0.062%
83	21.362	2970	2974	2980	rBV7	5183	11834	0.66%	0.059%
84	21.520	2999	3001	3003	rBV3	4325	4756	0.27%	0.024%
85	21.779	3040	3045	3061	rBV3	41610	113594	6.34%	0.568%
86	22.055	3089	3092	3098	rVB6	8620	15317	0.86%	0.077%
87	22.225	3113	3121	3130	rBV	550198	1052684	58.79%	5.263%
88	22.537	3172	3174	3177	rBV4	4189	5230	0.29%	0.026%
89	23.071	3260	3265	3270	rBV	18802	30993	1.73%	0.155%
90	23.853	3390	3398	3410	rVB3	35201	88838	4.96%	0.444%
91	24.076	3429	3436	3446	rVB	60548	130657	7.30%	0.653%
92	24.370	3484	3486	3489	rVB4	5402	4518	0.25%	0.023%
93	24.769	3546	3554	3563	rBV3	41330	101187	5.65%	0.506%
94	25.633	3688	3701	3717	rBV2	542132	1745368	97.48%	8.726%
95	25.880	3729	3743	3760	rVB2	328446	1193887	66.68%	5.969%
96	27.155	3948	3960	3976	rBV4	56843	194793	10.88%	0.974%
97	28.712	4213	4225	4238	rVB2	55737	210626	11.76%	1.053%
98	29.799	4409	4410	4414	rBV4	4500	5153	0.29%	0.026%
99	30.598	4530	4546	4567	rBV3	41349	207386	11.58%	1.037%
100	31.456	4688	4692	4693	rBV4	4156	5042	0.28%	0.025%

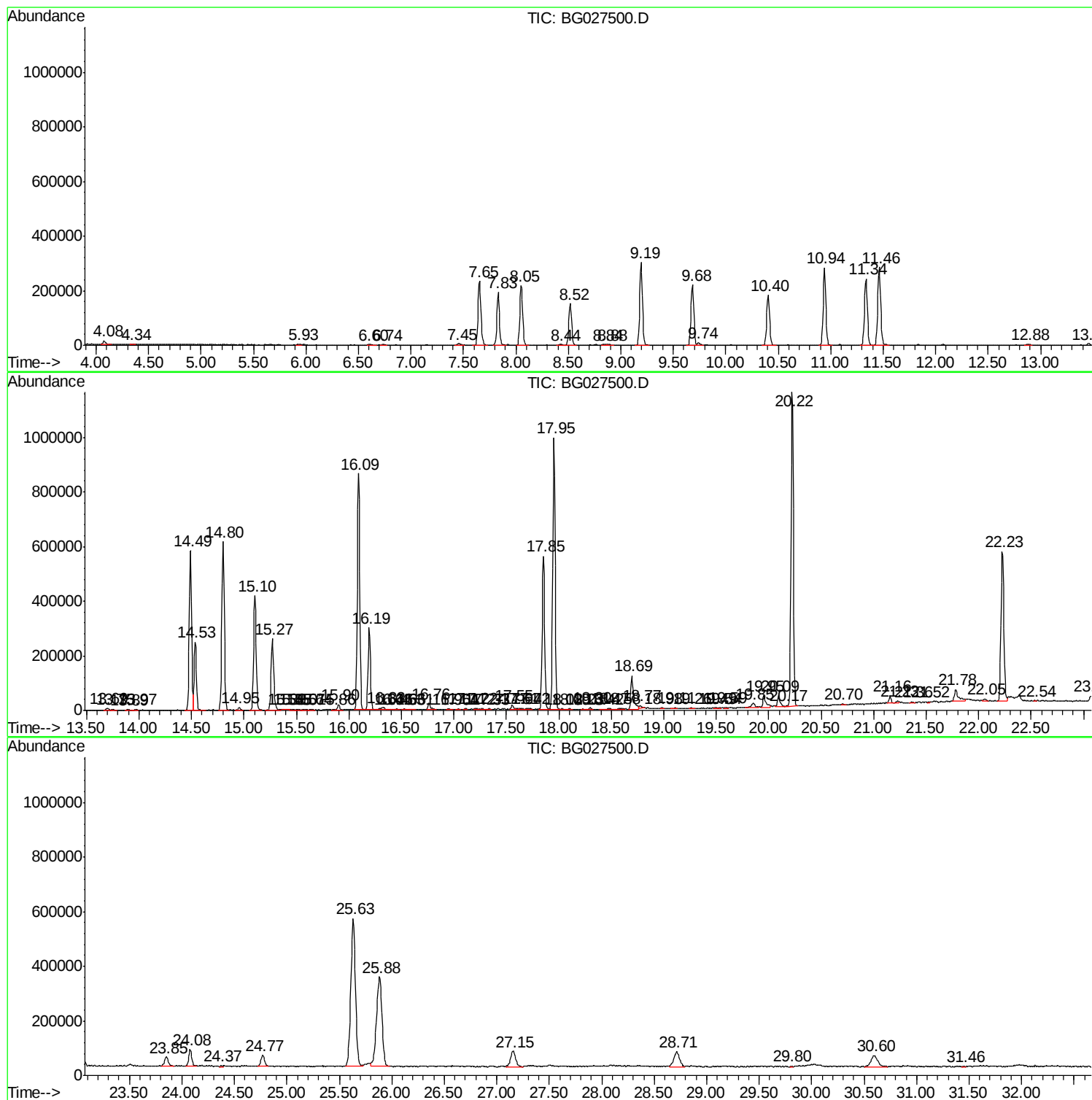
Sum of corrected areas: 20001087

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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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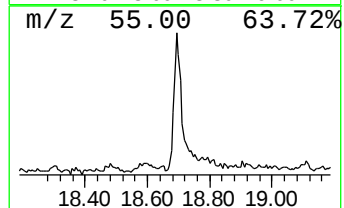
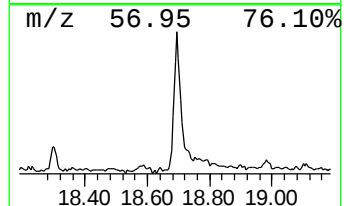
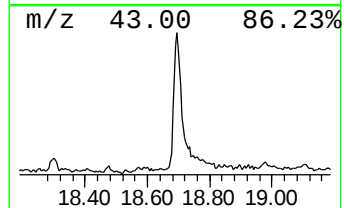
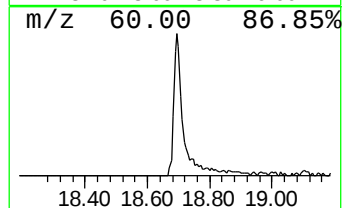
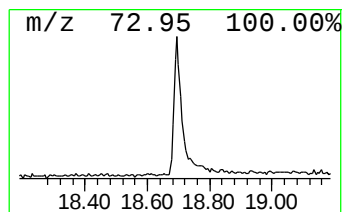
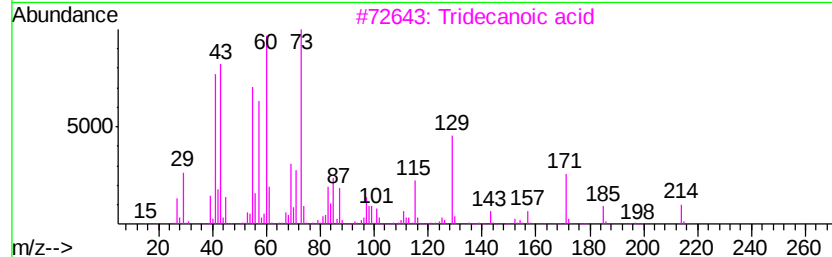
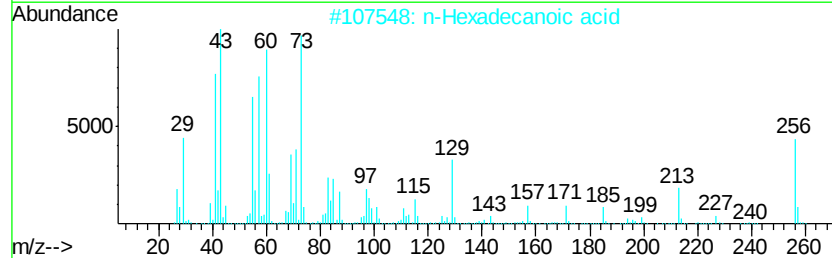
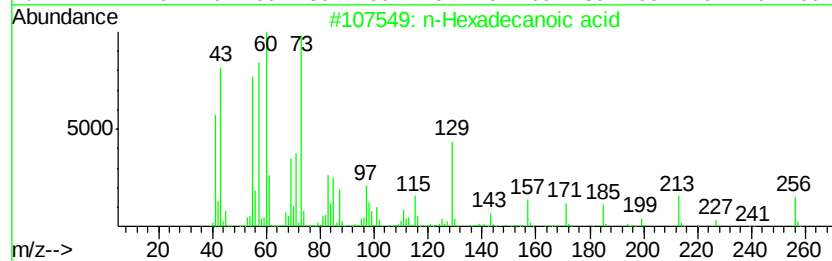
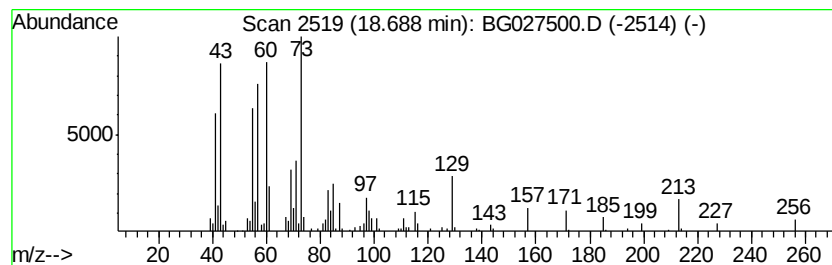
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.69	4.97 ng/ul	225733	Phenanthrene-d10	17.85		
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	97	
3	Tridecanoic acid	214	C13H26O2	000638-53-9	94	
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93	
5	Tridecanoic acid	214	C13H26O2	000638-53-9	91	



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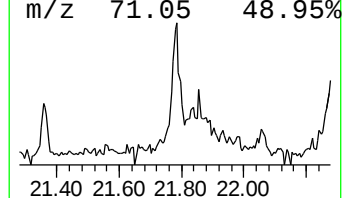
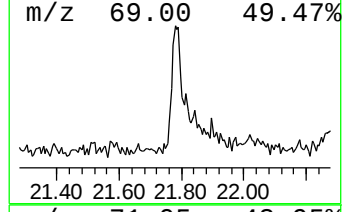
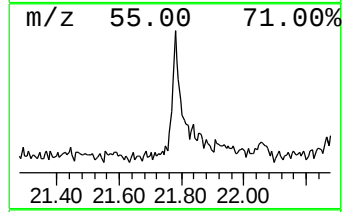
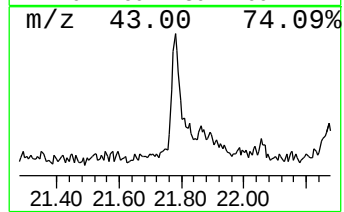
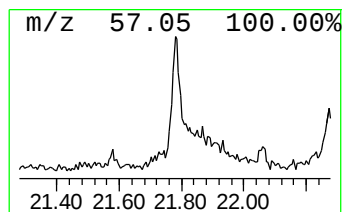
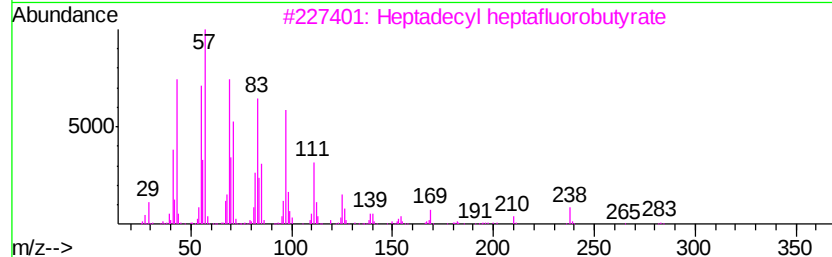
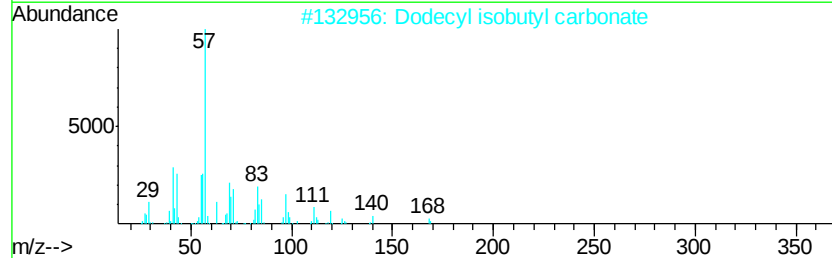
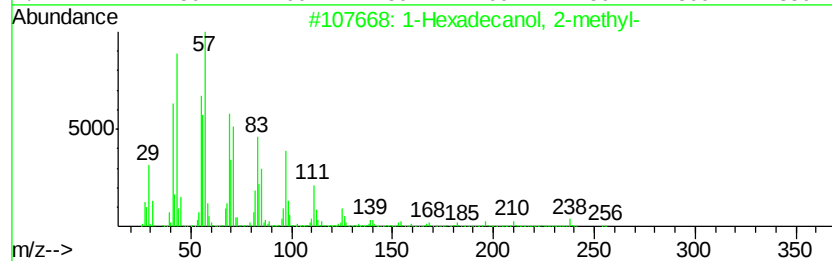
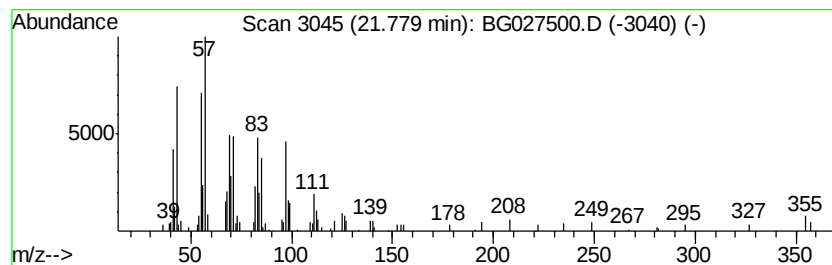
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Quant Title : SVOA CALIBRATION

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

Peak Number 2 1-Hexadecanol, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.		
21.78	2.16 ng/ul	113594	Chrysene-d12	22.23		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexadecanol, 2-methyl-	256	C17H36O	002490-48-4	87	
2	Dodecyl isobutyl carbonate	286	C17H34O3	959067-22-2	81	
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	76	
4	n-Nonadecanol-1	284	C19H40O	001454-84-8	76	
5	1-Hexacosanol	382	C26H54O	000506-52-5	74	



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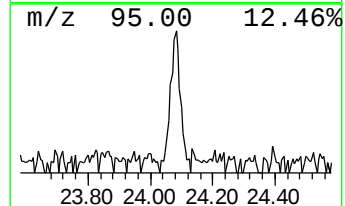
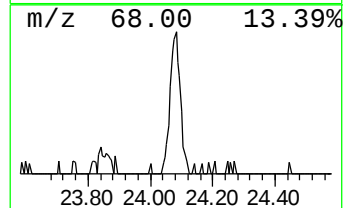
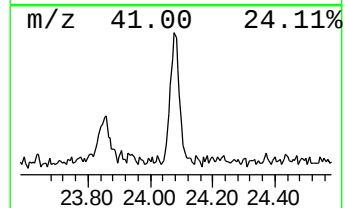
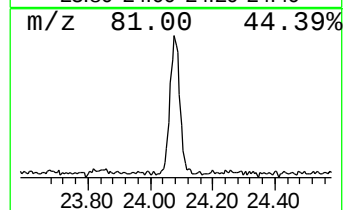
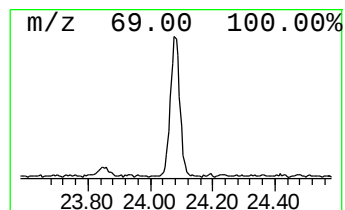
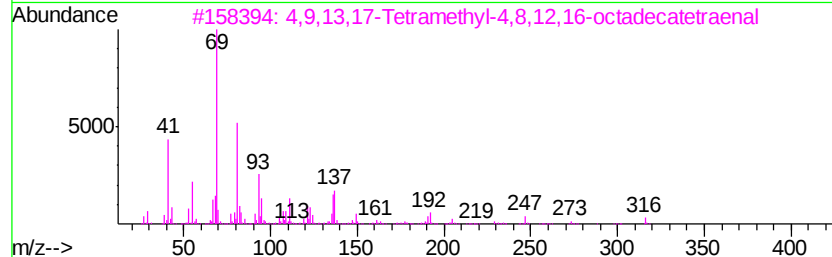
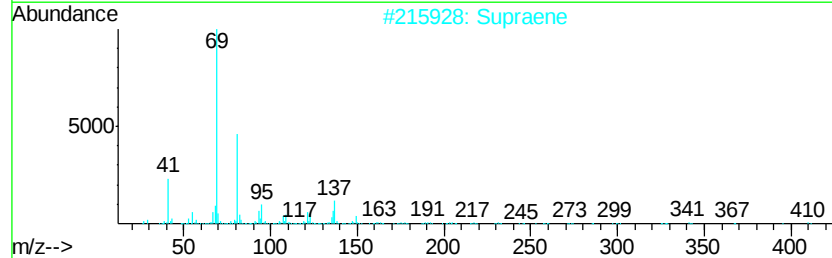
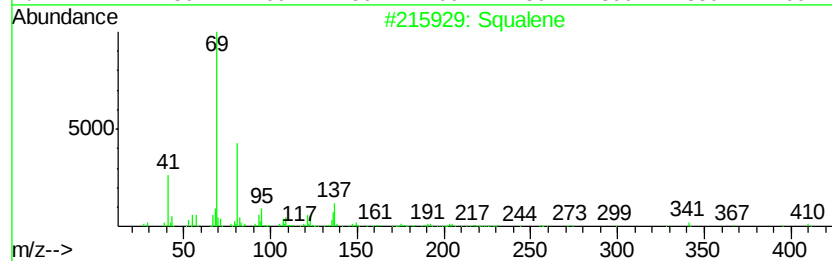
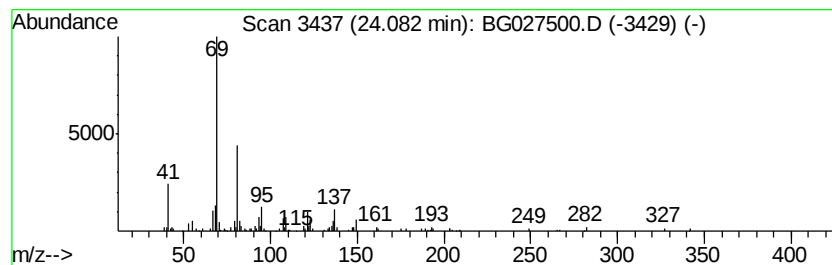
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Peak Number 3 Squalene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.08	2.19 ng/ul	130657	Perylene-d12	25.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Squalene	410	C30H50	000111-02-4	90
2		Supraene	410	C30H50	007683-64-9	90
3		4,9,13,17-Tetramethyl-4,8,12,16-...	316	C22H36O	056882-09-8	78
4		4,8,12-Tetradecatrienenitrile, 5...	245	C17H27N	005981-31-7	64
5		2,6,10,14-Hexadecatetraenoic aci...	332	C22H36O2	024035-35-6	59



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Data File : BG027500.D
Acq On : 17 Jun 2017 9:54
Operator : SJ/MA
Sample : I3599-02
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F5A74

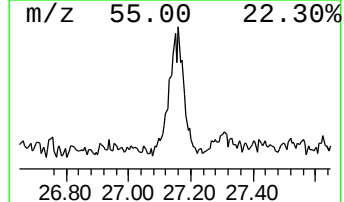
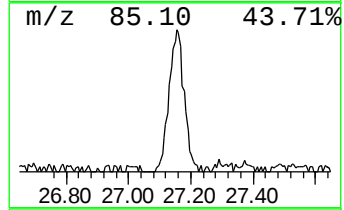
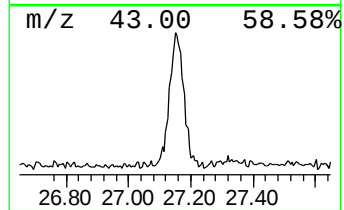
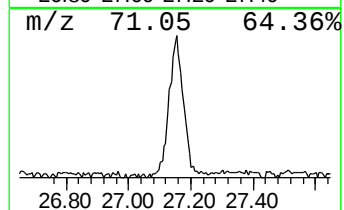
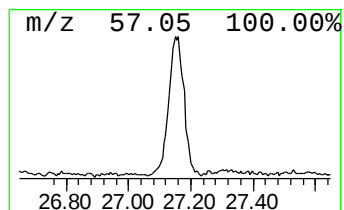
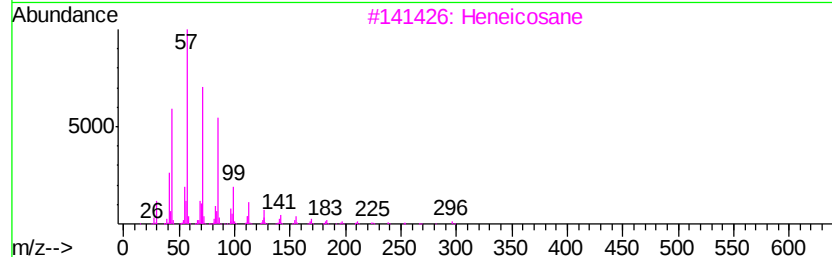
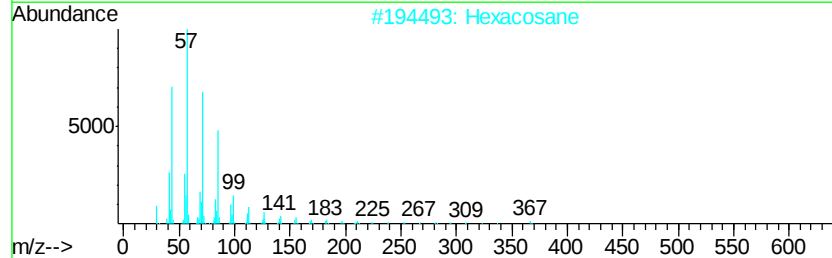
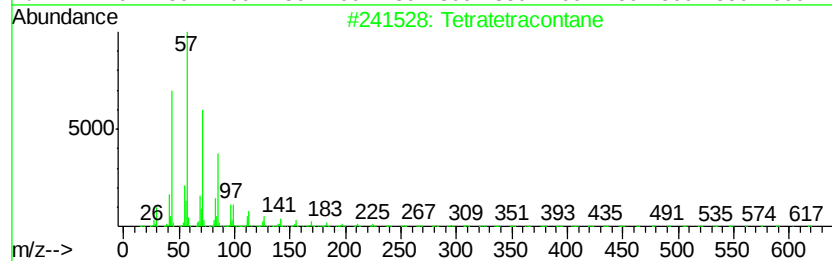
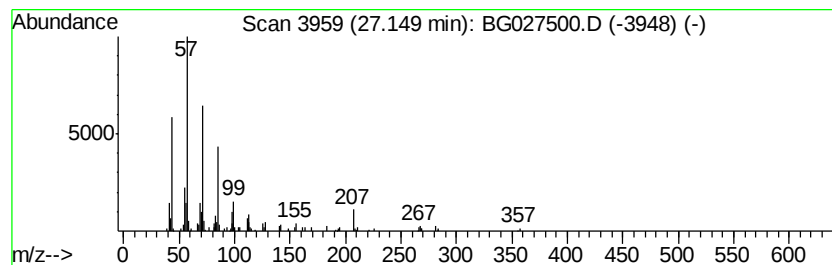
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.15	3.26 ng/ul	194793	Perylene-d12	25.89

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetratetracontane	619	C44H90	007098-22-8	90
2			Hexacosane	366	C26H54	000630-01-3	90
3			Heneicosane	296	C21H44	000629-94-7	87
4			Hexatriacontane	507	C36H74	000630-06-8	87
5			2-methyltetracosane	352	C25H52	1000376-72-6	87



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027500.D
Acq On : 17 Jun 2017 9:54
Operator : SJ/MA
Sample : I3599-02
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F5A74

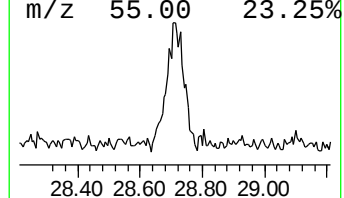
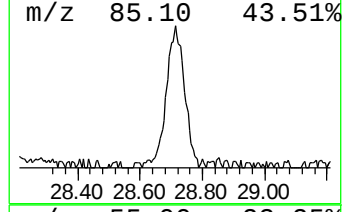
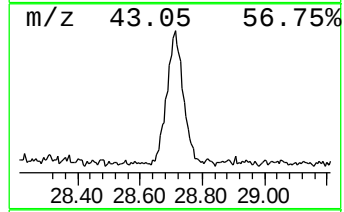
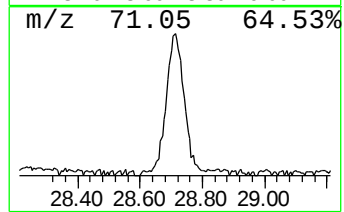
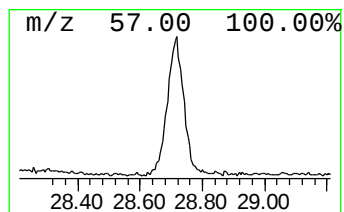
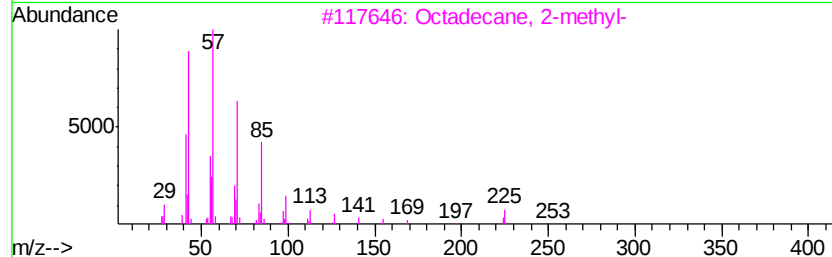
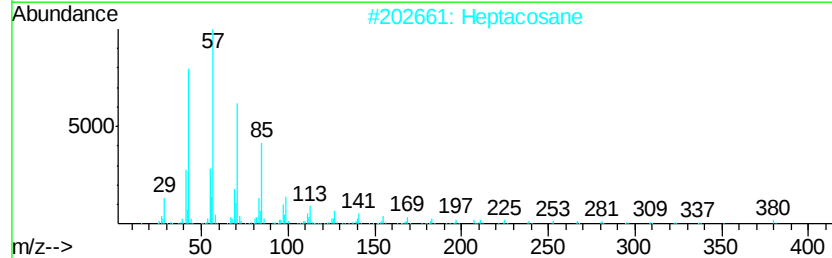
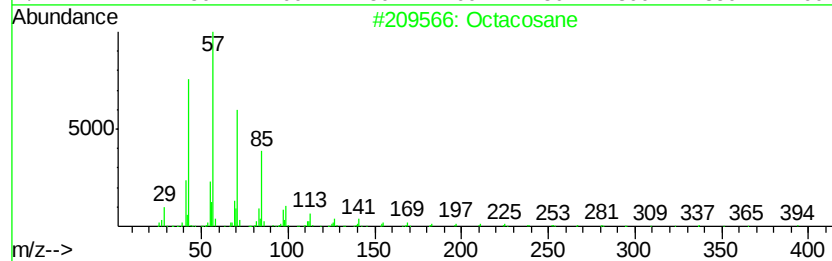
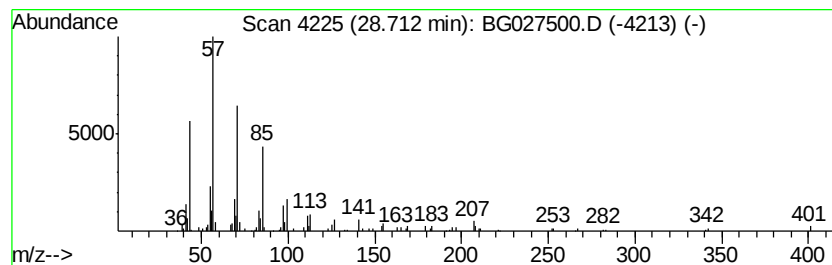
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.71	3.53 ng/ul	210626	Perylene-d12	25.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	90
2		Heptacosane	380	C27H56	000593-49-7	90
3		Octadecane, 2-methyl-	268	C19H40	001560-88-9	86
4		Tridecanol, 2-ethyl-2-methyl-	242	C16H34O	1000115-66-1	86
5		Tetracosane	338	C24H50	000646-31-1	83



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027500.D
Acq On : 17 Jun 2017 9:54
Operator : SJ/MA
Sample : I3599-02
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F5A74

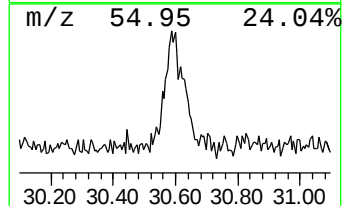
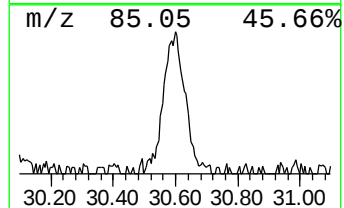
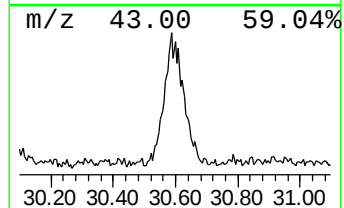
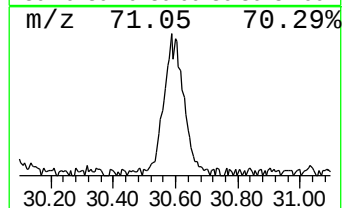
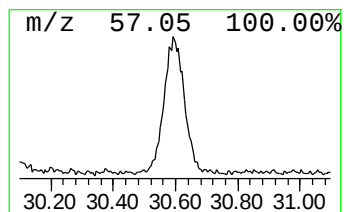
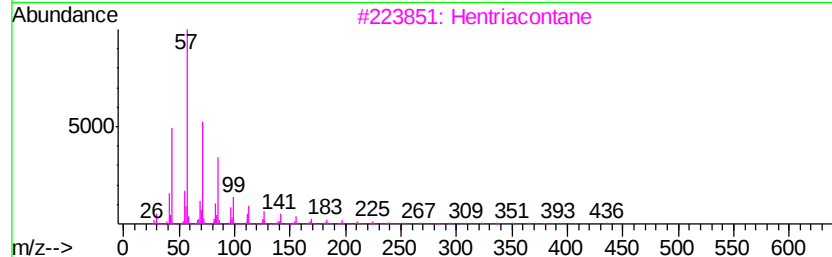
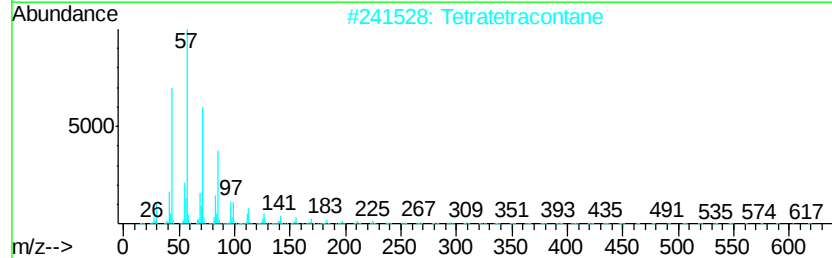
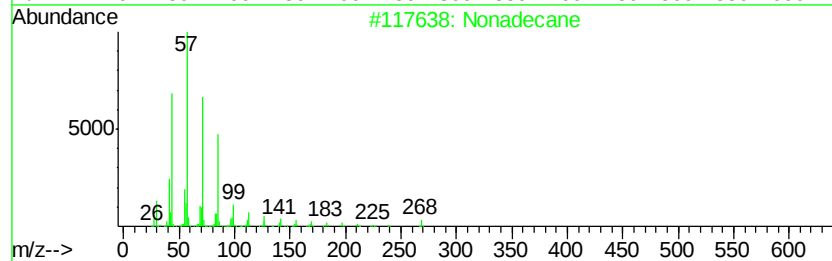
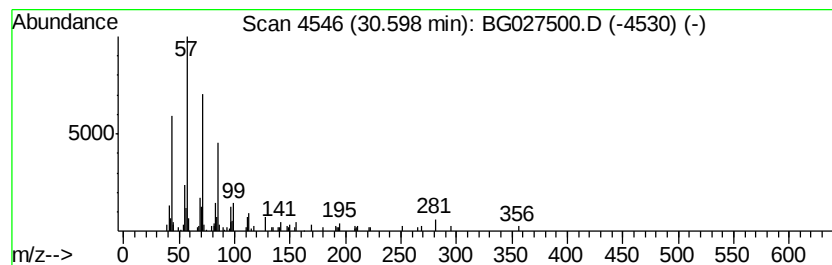
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
30.60	3.47 ng/ul	207386	Perylene-d12	25.89

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	93
2			Tetratetracontane	619	C44H90	007098-22-8	90
3			Hentriacontane	437	C31H64	000630-04-6	87
4			Methoxyacetic acid, 2-tetradecyl...	286	C17H34O3	1000282-04-8	87
5			Heptacosane	380	C27H56	000593-49-7	87



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027500.D
Acq On : 17 Jun 2017 9:54
Operator : SJ/MA
Sample : I3599-02
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F5A74

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.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	18.69	5.0	ng/ul	225733	4	17.85	908848	20.0
1-Hexadecanol, 2-...	21.78	2.2	ng/ul	113594	5	22.23	1052680	20.0
Squalene	24.08	2.2	ng/ul	130657	6	25.89	1193890	20.0
(DEL) Alkane: Str...	27.15	3.3	ng/ul	194793	6	25.89	1193890	20.0
(DEL) Alkane: Str...	28.71	3.5	ng/ul	210626	6	25.89	1193890	20.0
(DEL) Alkane: Str...	30.60	3.5	ng/ul	207386	6	25.89	1193890	20.0