

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
 Data File : BG027491.D
 Acq On : 17 Jun 2017 3:58
 Operator : SJ/MA
 Sample : I3600-09
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 F5A17

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	4.000	14	19	26	rVB6	2796	6223	0.32%	0.031%
2	4.082	28	33	42	rBV2	10395	18639	0.96%	0.092%
3	6.609	458	463	471	rVB7	2767	6252	0.32%	0.031%
4	6.744	479	486	490	rBV3	1615	3369	0.17%	0.017%
5	7.655	629	641	654	rVB2	53609	126910	6.54%	0.628%
6	7.831	664	671	684	rBV	193422	346062	17.85%	1.714%
7	8.054	699	709	722	rBV	187879	342894	17.68%	1.698%
8	8.518	777	788	804	rVB	173560	318383	16.42%	1.576%
9	9.194	894	903	916	rVB	160062	289957	14.95%	1.436%
10	9.682	975	986	1000	rBV	234532	447998	23.10%	2.218%
11	9.811	1005	1008	1013	rVB3	2272	3700	0.19%	0.018%
12	10.404	1098	1109	1119	rBV	192207	368573	19.01%	1.825%
13	10.592	1137	1141	1146	rVB4	2070	3681	0.19%	0.018%
14	10.945	1192	1201	1213	rVB	283614	545813	28.15%	2.703%
15	11.338	1260	1268	1281	rVB	282758	536398	27.66%	2.656%
16	11.468	1281	1290	1305	rVB3	13323	30255	1.56%	0.150%
17	12.766	1505	1511	1522	rVB3	6341	12814	0.66%	0.063%
18	12.884	1524	1531	1536	rBV3	5481	10257	0.53%	0.051%
19	13.454	1623	1628	1635	rVB4	3976	7515	0.39%	0.037%
20	13.700	1664	1670	1679	rVB5	6999	14764	0.76%	0.073%
21	13.883	1697	1701	1709	rBV4	2545	5187	0.27%	0.026%
22	13.971	1709	1716	1721	rVB3	6126	11519	0.59%	0.057%
23	14.411	1785	1791	1795	rBV4	1916	3321	0.17%	0.016%
24	14.488	1797	1804	1809	rBV	611607	972661	50.16%	4.816%
25	14.535	1809	1812	1829	rVB	147151	214391	11.06%	1.062%
26	14.740	1841	1847	1851	rBV2	6353	8791	0.45%	0.044%
27	14.805	1851	1858	1870	rVB	664068	1119606	57.74%	5.544%
28	14.952	1877	1883	1889	rVB3	11268	17968	0.93%	0.089%
29	15.105	1900	1909	1923	rVB2	468212	798660	41.19%	3.955%
30	15.275	1927	1938	1950	rBV2	54864	110491	5.70%	0.547%
31	15.404	1954	1960	1964	rVB5	2664	4354	0.22%	0.022%
32	15.469	1964	1971	1975	rBV6	4684	11367	0.59%	0.056%
33	15.504	1975	1977	1982	rVB4	2563	3859	0.20%	0.019%
34	15.569	1984	1988	1997	rVB6	6336	10643	0.55%	0.053%

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35	15.639	1997	2000	2007	rVB4	4071	5866	0.30%	0.029%
36	15.816	2018	2030	2035	rBV2	11307	22162	1.14%	0.110%
37	15.863	2035	2038	2041	rVV2	3527	4943	0.25%	0.024%
38	15.904	2041	2045	2051	rVV	27598	33952	1.75%	0.168%
39	16.092	2069	2077	2085	rVB	934102	1475902	76.11%	7.308%
40	16.192	2085	2094	2103	rBV	318590	490655	25.30%	2.429%
41	16.333	2106	2118	2124	rVB10	11239	37215	1.92%	0.184%
42	16.403	2126	2130	2134	rBV4	3624	5117	0.26%	0.025%
43	16.456	2136	2139	2147	rVB7	4516	6547	0.34%	0.032%
44	16.526	2148	2151	2157	rVB5	4767	6338	0.33%	0.031%
45	16.762	2187	2191	2208	rBV2	30945	60698	3.13%	0.301%
46	16.903	2212	2215	2218	rVB4	3040	3463	0.18%	0.017%
47	16.950	2219	2223	2229	rBV9	2404	5533	0.29%	0.027%
48	17.049	2232	2240	2247	rVB9	2902	8666	0.45%	0.043%
49	17.114	2247	2251	2257	rBV6	4470	9351	0.48%	0.046%
50	17.232	2263	2271	2276	rVB9	4723	14168	0.73%	0.070%
51	17.273	2276	2278	2285	rBV7	2727	4567	0.24%	0.023%
52	17.343	2285	2290	2292	rBV6	2611	3264	0.17%	0.016%
53	17.561	2319	2327	2332	rBV3	15757	27510	1.42%	0.136%
54	17.613	2332	2336	2338	rBV4	4184	5022	0.26%	0.025%
55	17.713	2349	2353	2359	rVB6	3040	4885	0.25%	0.024%
56	17.854	2368	2377	2386	rBV	617595	1003214	51.74%	4.967%
57	17.954	2386	2394	2406	rVB2	1035796	1631913	84.16%	8.080%
58	18.307	2449	2454	2457	rBV6	3055	4701	0.24%	0.023%
59	18.342	2457	2460	2466	rVB8	3524	6919	0.36%	0.034%
60	18.471	2479	2482	2488	rBV7	2299	4812	0.25%	0.024%
61	18.577	2490	2500	2505	rBV10	5221	14267	0.74%	0.071%
62	18.695	2513	2520	2542	rBV	167819	342726	17.67%	1.697%
63	18.982	2566	2569	2571	rVV4	3617	3310	0.17%	0.016%
64	19.018	2571	2575	2579	rVB6	5282	7244	0.37%	0.036%
65	19.112	2586	2591	2594	rVB6	7515	9870	0.51%	0.049%
66	19.182	2598	2603	2604	rBV5	2886	3523	0.18%	0.017%
67	19.247	2609	2614	2616	rBV6	3294	5218	0.27%	0.026%
68	19.353	2629	2632	2634	rBV4	4349	4105	0.21%	0.020%
69	19.411	2639	2642	2645	rBV5	3693	4079	0.21%	0.020%
70	19.529	2658	2662	2672	rBV10	4202	11416	0.59%	0.057%
71	19.652	2679	2683	2685	rVB5	3167	3346	0.17%	0.017%

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72	19.670	2685	2686	2693	rBV6	3707	6216	0.32%	0.031%
73	19.770	2698	2703	2704	rBV5	3088	3967	0.20%	0.020%
74	19.811	2704	2710	2729	rVV4	75959	268013	13.82%	1.327%
75	19.952	2729	2734	2753	rVV	249667	420077	21.66%	2.080%
76	20.116	2757	2762	2768	rVB2	32205	52067	2.69%	0.258%
77	20.222	2772	2780	2791	rBV	1196713	1939131	100.00%	9.601%
78	20.498	2824	2827	2831	rVB5	7221	7949	0.41%	0.039%
79	20.698	2855	2861	2864	rBV8	4270	10968	0.57%	0.054%
80	20.810	2878	2880	2888	rVB9	4663	5803	0.30%	0.029%
81	21.092	2923	2928	2943	rVB4	55097	116891	6.03%	0.579%
82	21.227	2946	2951	2954	rBV	33803	48131	2.48%	0.238%
83	21.268	2954	2958	2965	rVB3	44882	57805	2.98%	0.286%
84	21.791	3042	3047	3058	rBV3	16701	60369	3.11%	0.299%
85	22.061	3087	3093	3099	rBV	78648	123595	6.37%	0.612%
86	22.232	3114	3122	3130	rBV	599971	1110763	57.28%	5.500%
87	22.384	3145	3148	3154	rVB6	14756	23278	1.20%	0.115%
88	23.072	3261	3265	3272	rVB3	15215	27829	1.44%	0.138%
89	23.507	3333	3339	3345	rVB6	17463	38313	1.98%	0.190%
90	23.853	3392	3398	3407	rBV4	24500	55267	2.85%	0.274%
91	24.082	3430	3437	3448	rVB2	42907	100703	5.19%	0.499%
92	24.217	3455	3460	3464	rBV8	5866	11528	0.59%	0.057%
93	24.770	3545	3554	3566	rVB3	35824	95078	4.90%	0.471%
94	25.633	3688	3701	3716	rBV2	527218	1695008	87.41%	8.393%
95	25.880	3730	3743	3762	rVB	350238	1214849	62.65%	6.015%
96	27.149	3951	3959	3975	rVB3	44295	151881	7.83%	0.752%
97	28.718	4202	4226	4240	rBV5	46598	274273	14.14%	1.358%
98	30.069	4449	4456	4466	rVB5	10741	31950	1.65%	0.158%
99	30.610	4536	4548	4561	rVB7	24527	108981	5.62%	0.540%
100	31.979	4767	4781	4796	rBV7	20026	105710	5.45%	0.523%

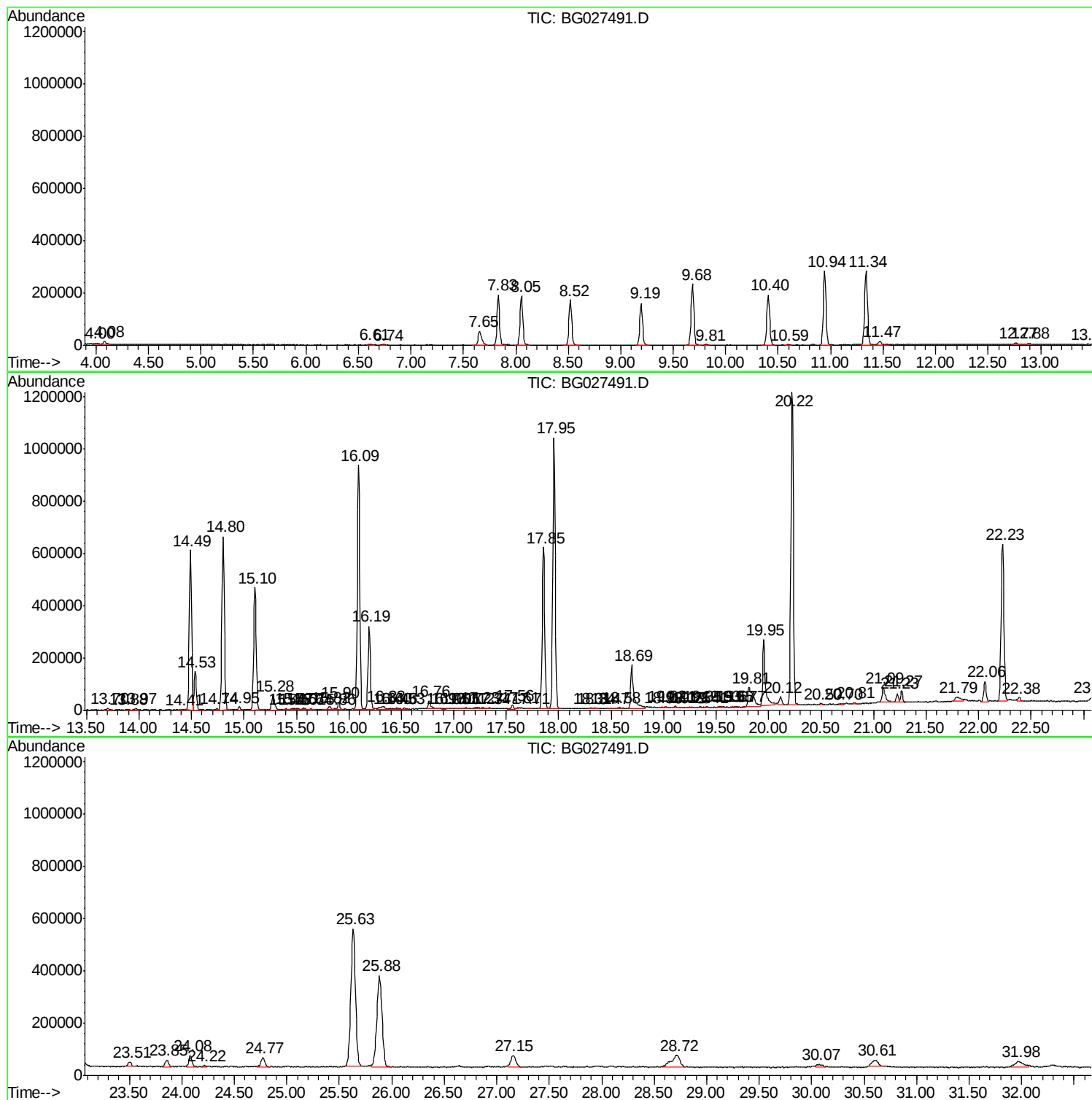
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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



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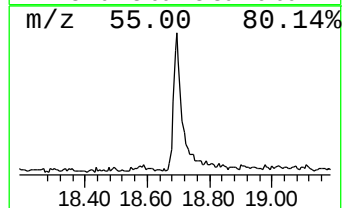
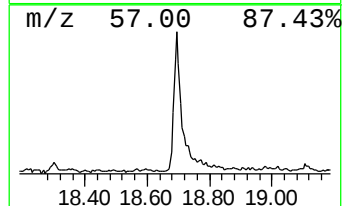
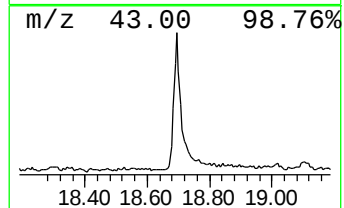
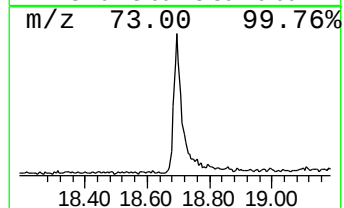
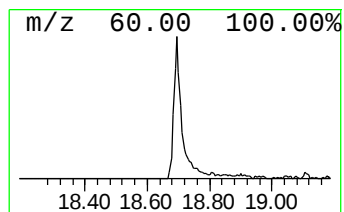
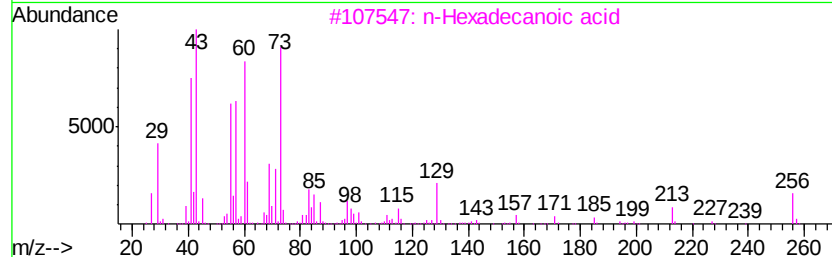
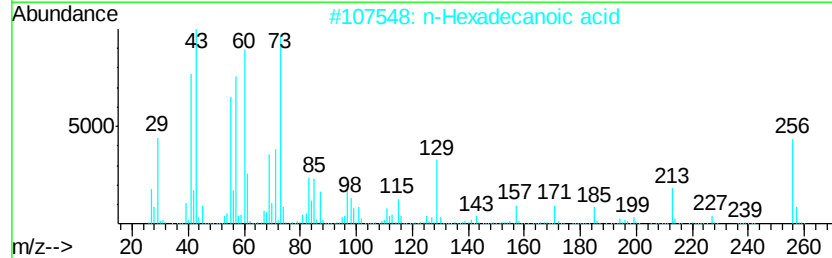
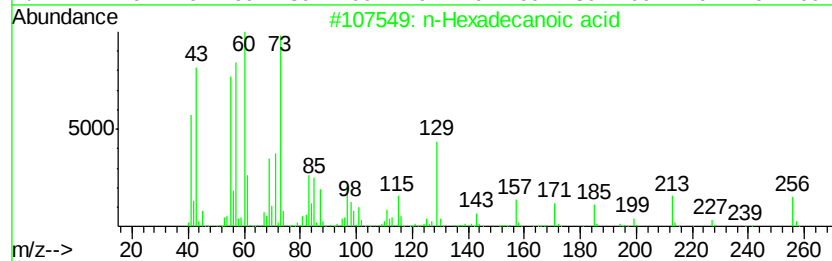
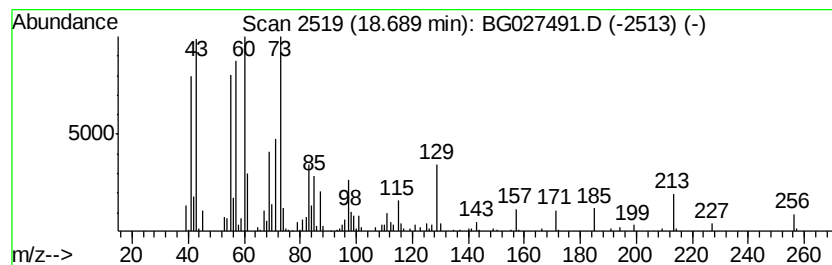
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	6.83 ng/ul	342726	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	95
3	n-Hexadecanoic acid	256 C16H32O2	000057-10-3	90
4	Tridecanoic acid	214 C13H26O2	000638-53-9	83
5	Pentadecanoic acid	242 C15H30O2	001002-84-2	83



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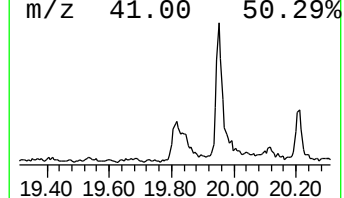
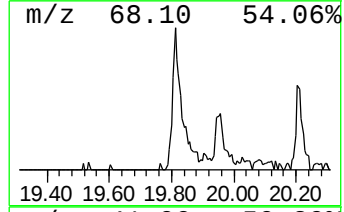
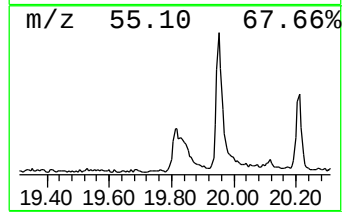
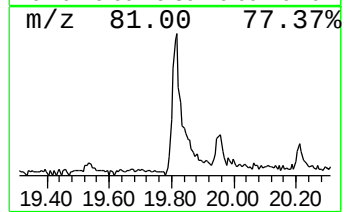
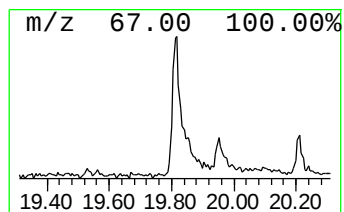
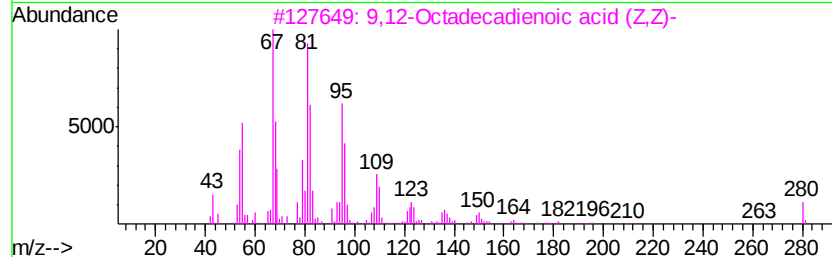
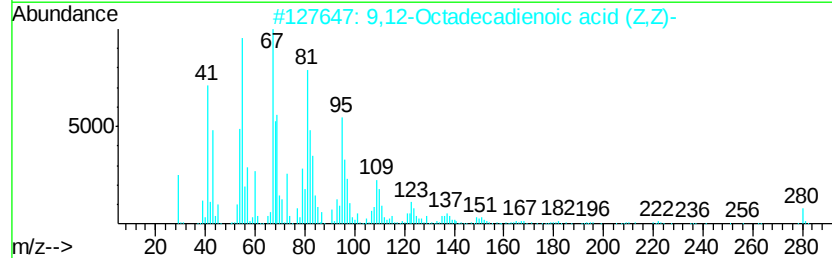
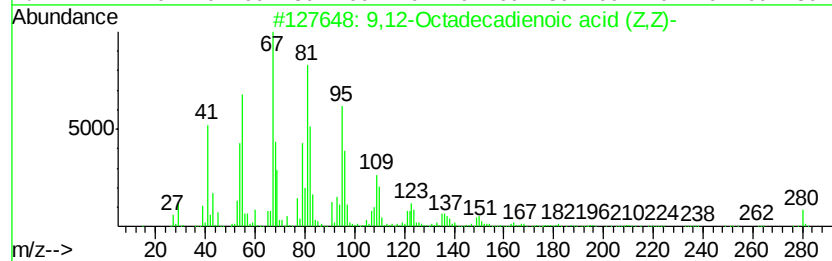
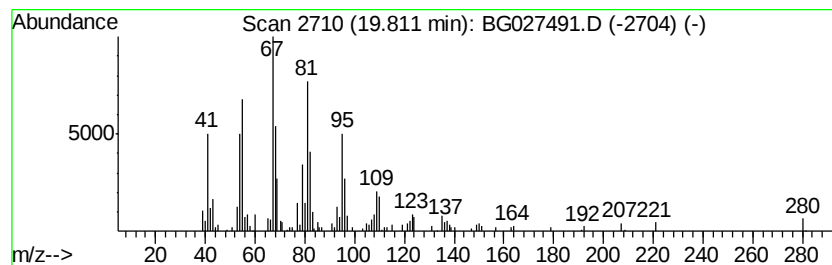
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 9,12-Octadecadienoic acid (... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.81	5.34 ng/ul	268013	Phenanthrene-d10	17.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid (Z,Z)-	280	C18H32O2	000060-33-3	95		
2	9,12-Octadecadienoic acid (Z,Z)-	280	C18H32O2	000060-33-3	94		
3	9,12-Octadecadienoic acid (Z,Z)-	280	C18H32O2	000060-33-3	93		
4	cis-7-Dodecen-1-ol	184	C12H24O	020056-92-2	90		
5	3,4-Octadiene, 7-methyl-	124	C9H16	037050-05-8	76		



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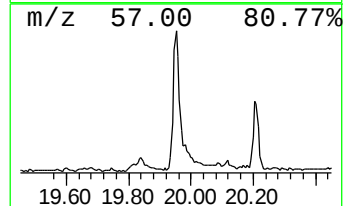
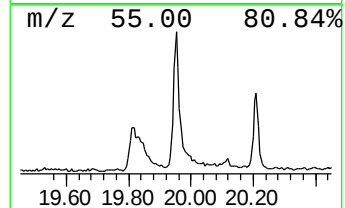
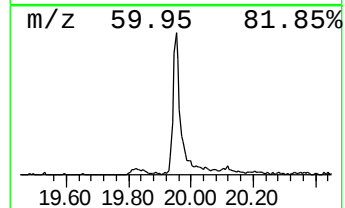
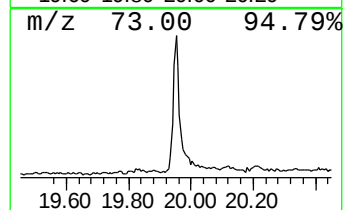
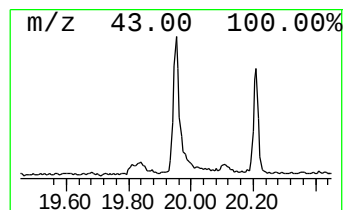
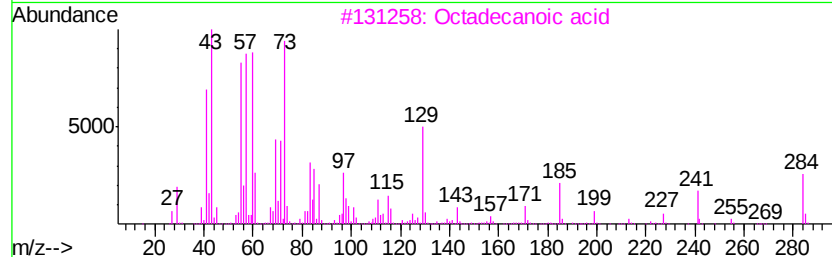
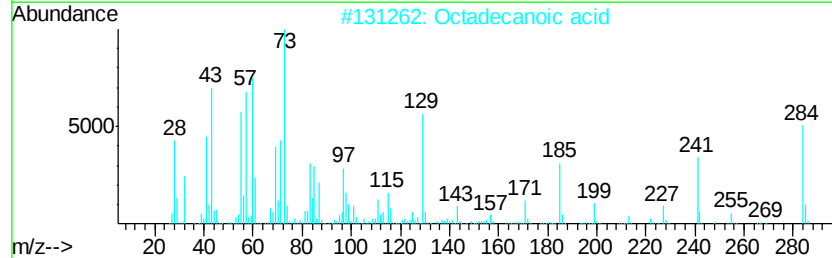
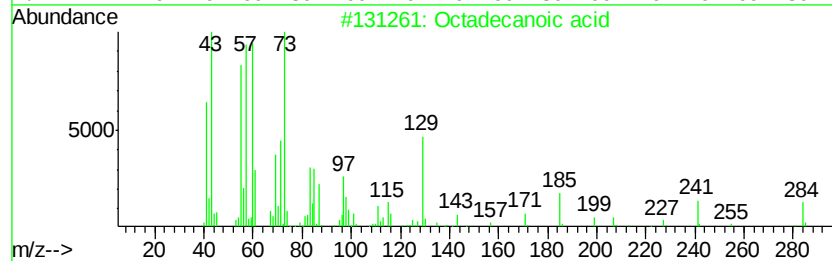
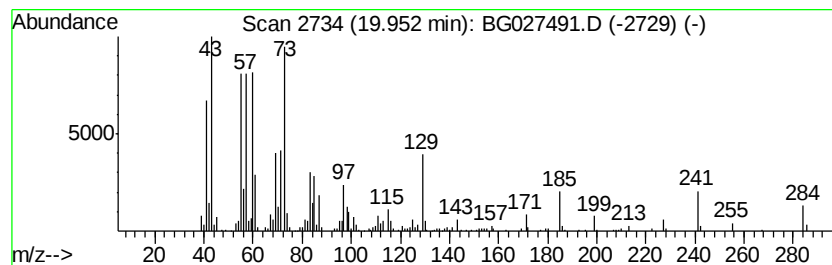
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Peak Number 3 Octadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD		R.T.	
19.95	8.37 ng/ul	420077	Phenanthrene-d10		17.85	
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	97
5	Pentadecanoic acid		242	C15H30O2	001002-84-2	64



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027491.D
Acq On : 17 Jun 2017 3:58
Operator : SJ/MA
Sample : I3600-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

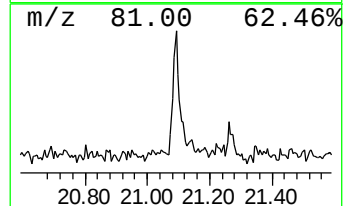
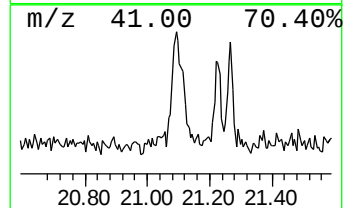
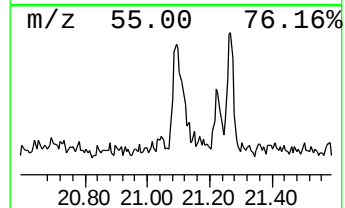
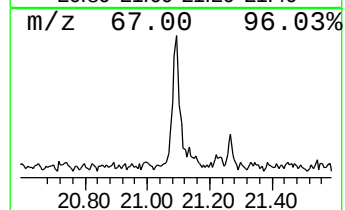
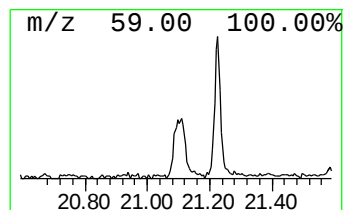
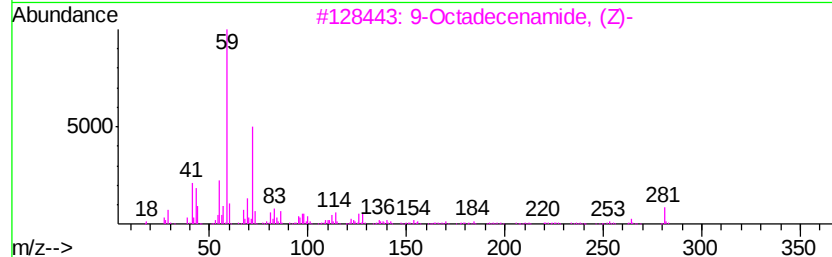
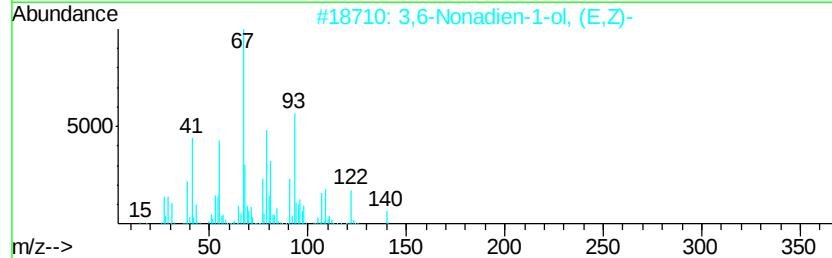
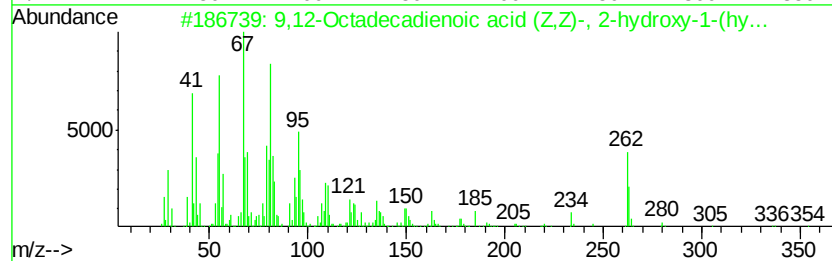
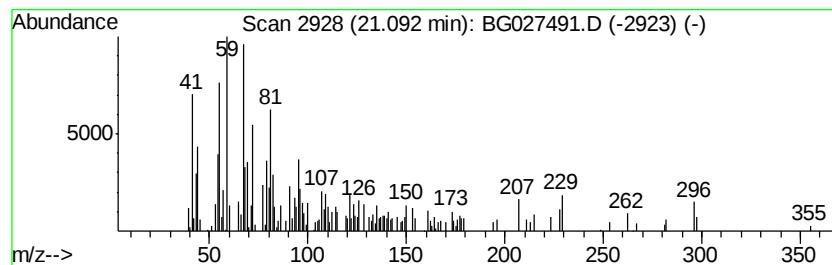
Instrument :
BNA_G
ClientSampleId :
F5A17

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 4 9,12-Octadecadienoic acid (... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.09	2.10 ng/ul	116891	Chrysene-d12	22.23
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	9,12-Octadecadienoic acid (Z,Z)-...	354 C21H38O4	003443-82-1	50
2	3,6-Nonadien-1-ol, (E,Z)-	140 C9H16O	056805-23-3	42
3	9-Octadecenamide, (Z)-	281 C18H35NO	000301-02-0	42
4	9,12-Octadecadienoic acid (Z,Z)-...	354 C21H38O4	002277-28-3	41
5	3,6-Nonadien-1-ol, (E,Z)-	140 C9H16O	056805-23-3	38



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027491.D
Acq On : 17 Jun 2017 3:58
Operator : SJ/MA
Sample : I3600-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F5A17

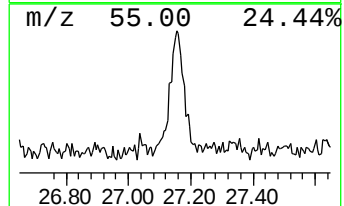
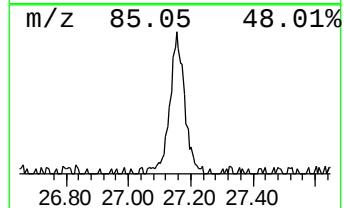
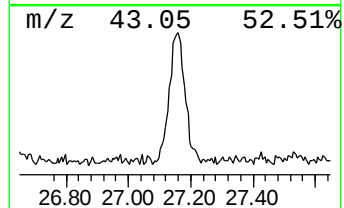
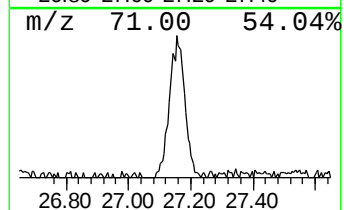
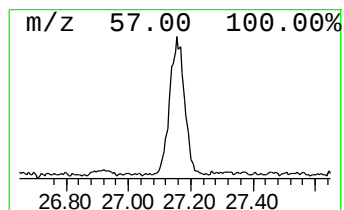
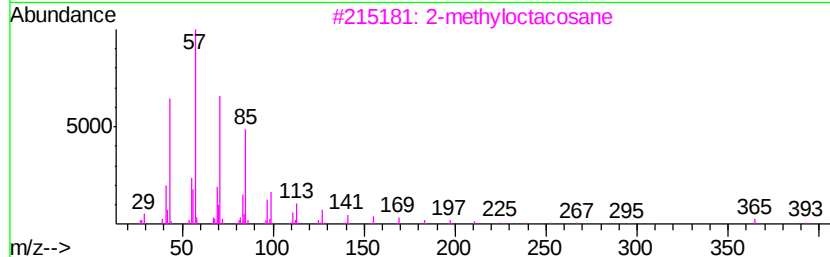
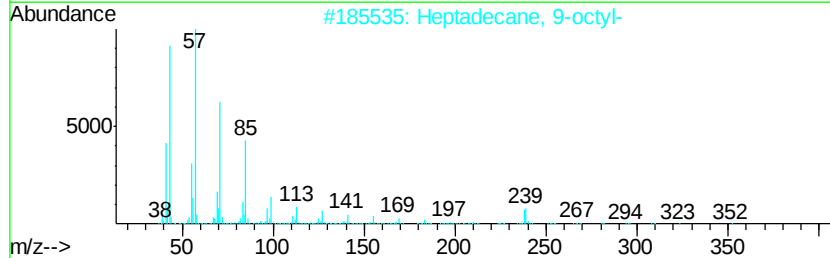
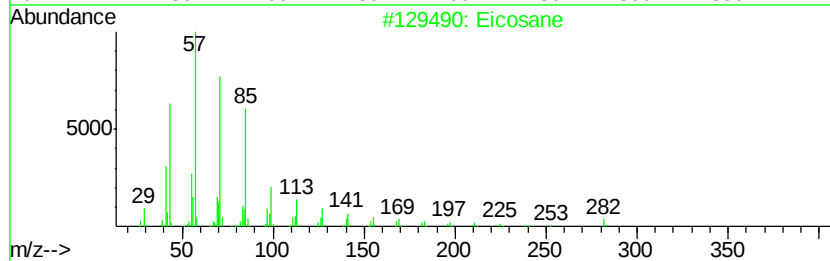
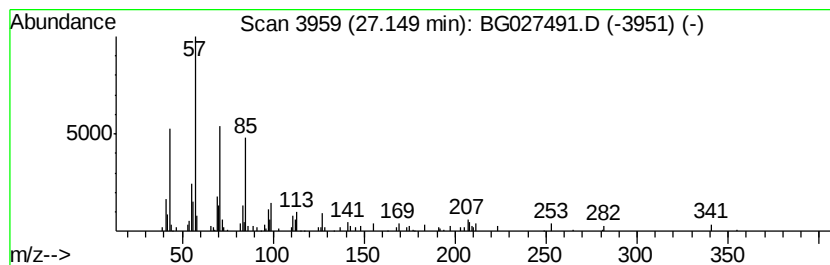
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.15	2.50 ng/ul	151881	Perylene-d12	25.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	91
2		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	90
3		2-methyloctacosane	408	C29H60	1000376-72-8	90
4		Docosane, 11-butyl-	366	C26H54	013475-76-8	87
5		Eicosane, 9-octyl-	394	C28H58	013475-77-9	87



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027491.D
Acq On : 17 Jun 2017 3:58
Operator : SJ/MA
Sample : I3600-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F5A17

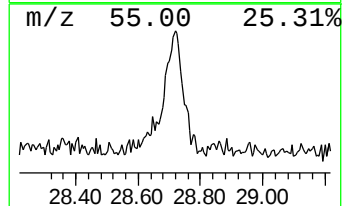
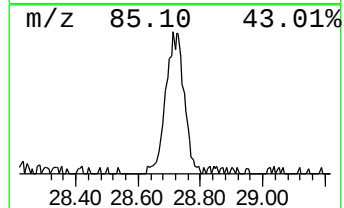
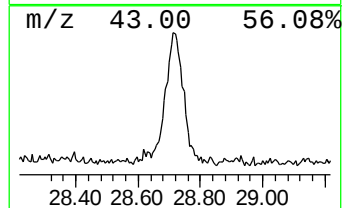
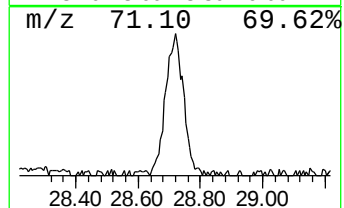
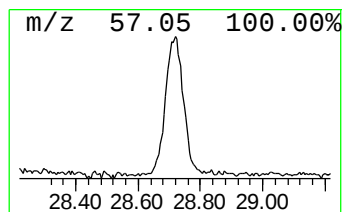
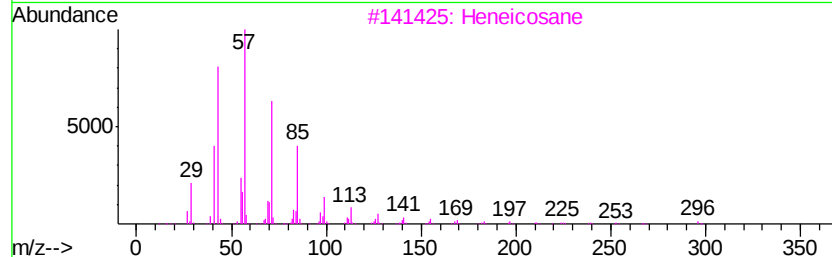
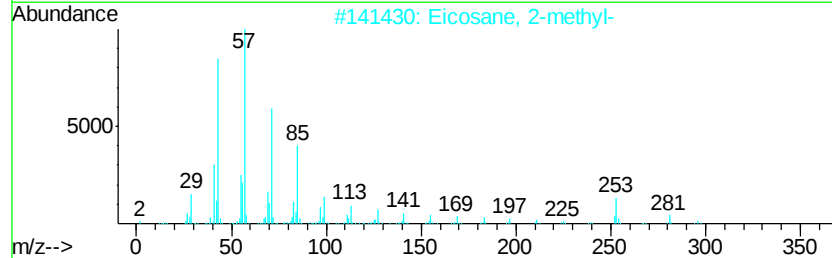
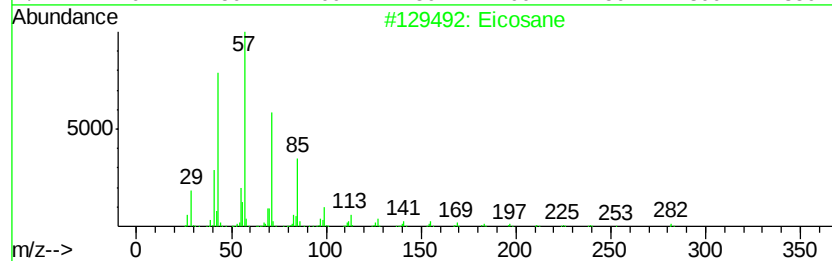
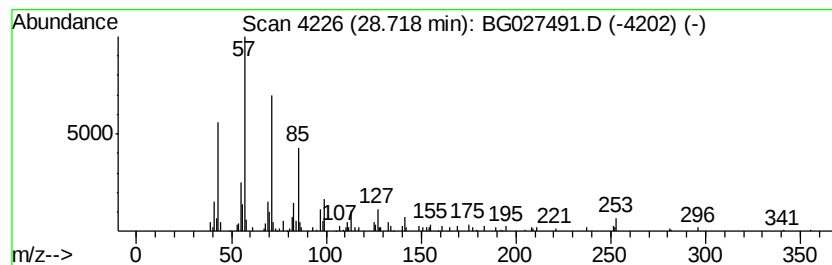
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG061617.M
Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.72	4.52 ng/ul	274273	Perylene-d12	25.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	95
2		Eicosane, 2-methyl-	296	C21H44	001560-84-5	94
3		Heneicosane	296	C21H44	000629-94-7	93
4		Heptacosane	380	C27H56	000593-49-7	91
5		Eicosane, 2-methyl-	296	C21H44	001560-84-5	91



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG061617\
Data File : BG027491.D
Acq On : 17 Jun 2017 3:58
Operator : SJ/MA
Sample : I3600-09
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
F5A17

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	6.8	ng/ul	342726	4	17.85	1003210	20.0
9,12-Octadecadien...	19.81	5.3	ng/ul	268013	4	17.85	1003210	20.0
Octadecanoic acid	19.95	8.4	ng/ul	420077	4	17.85	1003210	20.0
9,12-Octadecadien...	21.09	2.1	ng/ul	116891	5	22.23	1110760	20.0
(DEL) Alkane: Str...	27.15	2.5	ng/ul	151881	6	25.88	1214850	20.0
(DEL) Alkane: Str...	28.72	4.5	ng/ul	274273	6	25.88	1214850	20.0