LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\
Data File : BG028135.D
Acq On : 3 Aug 2017 10:54
Operator : SJ/JU
Sample : I4405-06
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JJ2X3

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 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-BG080217.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	3.857	42	46	52	rBV4	5762	9555	0.98%	0.075%
2	3.946	60	61	67	rBV5	2141	3123	0.32%	0.024%
3	4.098	84	87	93	rBV6	2049	4087	0.42%	0.032%
4	4.363	127	132	134	rVB4	2980	4372	0.45%	0.034%
5	4.780	199	203	212	rVB4	4846	10353	1.06%	0.081%
6	4.944	226	231	236	rBV7	2415	5504	0.56%	0.043%
7	5.385	303	306	308	rBV3	1962	2290	0.23%	0.018%
8	5.473	316	321	326	rBV3	2490	5756	0.59%	0.045%
9	5.573	333	338	344	rBV4	2959	4019	0.41%	0.031%
10	5.661	349	353	357	rBV4	1920	2956	0.30%	0.023%
11	5.885	387	391	396	rVB4	2122	3896	0.40%	0.031%
12	5.926	396	398	402	rBV4	1849	2815	0.29%	0.022%
13	6.613	512	515	520	rBV4	2200	3144	0.32%	0.025%
14	6.672	524	525	532	rVB4	1683	2934	0.30%	0.023%
15	6.736	532	536	542	rBV3	1507	3144	0.32%	0.025%
16	6.889	559	562	567	rBV2	1641	2671	0.27%	0.021%
17	7.107	596	599	602	rVB	2250	2040	0.21%	0.016%
18	7.159	602	608	609	rVB3	1723	2725	0.28%	0.021%
19	7.183	609	612	615	rBV2	1712	2355	0.24%	0.018%
20	7.218	615	618	621	rBV3	1900	2407	0.25%	0.019%
21	7.389	643	647	652	rVV4	2053	3312	0.34%	0.026%
22	7.441	654	656	661	rVB3	1330	2038	0.21%	0.016%
23	7.512	661	668	684	rBV3	121157	268174	27.37%	2.102%
24	7.682	689	697	709	rVB	75805	140278	14.32%	1.099%
25	7.759	709	710	716	rBV2	1797	2767	0.28%	0.022%
26	7.900	720	734	744	rBV	111642	203363	20.76%	1.594%
27	8.047	753	759	764	rBV2	2173	4289	0.44%	0.034%
28	8.241	790	792	797	rVB3	1506	2322	0.24%	0.018%
29	8.364	804	813	826	rVB	134907	255664	26.09%	2.004%
30	8.617	847	856	861	rBV5	2380	3739	0.38%	0.029%
31	8.963	913	915	919	rBV3	1506	2115	0.22%	0.017%
32	9.057	922	931	940	rBV	159278	288237	29.42%	2.259%
33	9.187	950	953	957	rVB4	2233	2718	0.28%	0.021%
34	9.533	1002	1012	1021	rBV2	115747	228586	23.33%	1.792%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\
Data File : BG028135.D
Acq On : 3 Aug 2017 10:54
Operator : SJ/JU
Sample : I4405-06
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JJ2X3

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 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-BG080217.M
Title : SVOA CALIBRATION

35	9.774	1052	1053	1059	rVB4	1847	2577	0.26%	0.020%
36	9.892	1069	1073	1079	rVV4	2044	3906	0.40%	0.031%
37	10.009	1090	1093	1096	rVB	1522	2140	0.22%	0.017%
38	10.050	1096	1100	1103	rBV3	1828	3296	0.34%	0.026%
39	10.127	1110	1113	1117	rVB2	1998	2410	0.25%	0.019%
40	10.256	1124	1135	1144	rBV2	104138	203080	20.73%	1.592%
41	10.802	1219	1228	1241	rBV2	171914	328878	33.57%	2.578%
42	10.955	1252	1254	1260	rVB4	1485	2628	0.27%	0.021%
43	11.184	1283	1293	1306	rBV	234988	445657	45.49%	3.493%
44	11.313	1308	1315	1328	rBV	100444	214236	21.87%	1.679%
45	11.496	1343	1346	1350	rBV3	1497	2277	0.23%	0.018%
46	12.148	1455	1457	1464	rVB3	2044	3417	0.35%	0.027%
47	12.395	1492	1499	1502	rBV3	1741	2742	0.28%	0.021%
48	12.418	1502	1503	1510	rVB5	1770	2926	0.30%	0.023%
49	12.635	1532	1540	1544	rVV5	2890	5497	0.56%	0.043%
50	12.741	1555	1558	1565	rVB4	2839	4618	0.47%	0.036%
51	12.976	1596	1598	1603	rVB2	1642	2248	0.23%	0.018%
52	13.152	1625	1628	1631	rBV3	2004	2821	0.29%	0.022%
53	13.241	1642	1643	1649	rBV2	1418	3188	0.33%	0.025%
54	13.329	1655	1658	1663	rVV3	2851	4536	0.46%	0.036%
55	13.405	1670	1671	1679	rBV2	1197	2219	0.23%	0.017%
56	13.564	1693	1698	1709	rBV5	3366	7066	0.72%	0.055%
57	13.705	1718	1722	1723	rBV3	1945	2165	0.22%	0.017%
58	13.758	1725	1731	1737	rVB5	3039	4402	0.45%	0.035%
59	13.887	1751	1753	1755	rBV	2155	2053	0.21%	0.016%
60	13.934	1758	1761	1766	rVV4	2236	3386	0.35%	0.027%
61	14.057	1779	1782	1786	rBV4	1621	2631	0.27%	0.021%
62	14.110	1787	1791	1796	rVB5	1951	3026	0.31%	0.024%
63	14.357	1826	1833	1838	rBV	341727	533463	54.45%	4.181%
64	14.404	1838	1841	1848	rVB	88127	127987	13.06%	1.003%
65	14.486	1853	1855	1858	rVB4	2308	2385	0.24%	0.019%
66	14.586	1870	1872	1875	rBV3	2262	2836	0.29%	0.022%
67	14.668	1879	1886	1894	rBV	368046	605119	61.76%	4.743%
68	14.721	1894	1895	1901	rBV3	1916	3604	0.37%	0.028%
69	14.827	1908	1913	1918	rVB4	5325	8620	0.88%	0.068%
70	14.974	1929	1938	1948	rBV2	438226	723097	73.80%	5.667%
71	15.091	1955	1958	1961	rVB5	3311	3435	0.35%	0.027%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\
Data File : BG028135.D
Acq On : 3 Aug 2017 10:54
Operator : SJ/JU
Sample : I4405-06
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JJ2X3

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 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-BG080217.M
Title : SVOA CALIBRATION

72	15.162	1961	1970	1984	rBV	109042	252242	25.74%	1.977%
73	15.320	1994	1997	2000	rBV4	3733	4245	0.43%	0.033%
74	15.373	2000	2006	2012	rVB5	9827	18252	1.86%	0.143%
75	15.514	2027	2030	2031	rBV2	3591	2895	0.30%	0.023%
76	15.567	2037	2039	2041	rBV2	3468	2306	0.24%	0.018%
77	15.691	2057	2060	2063	rBV3	4929	4997	0.51%	0.039%
78	15.732	2064	2067	2069	rVV3	3834	3962	0.40%	0.031%
79	15.773	2069	2074	2079	rVB3	13759	19302	1.97%	0.151%
80	15.838	2082	2085	2087	rBV3	3485	2914	0.30%	0.023%
81	15.879	2089	2092	2095	rBV4	3439	3935	0.40%	0.031%
82	15.961	2096	2106	2116	rVV	522641	807538	82.42%	6.329%
83	16.073	2117	2125	2135	rVV	174562	280223	28.60%	2.196%
84	16.190	2139	2145	2152	rVB10	8598	22427	2.29%	0.176%
85	16.325	2165	2168	2175	rVB8	4951	6581	0.67%	0.052%
86	16.384	2175	2178	2184	rBV5	10036	18267	1.86%	0.143%
87	16.637	2216	2221	2233	rBV2	22898	52666	5.38%	0.413%
88	16.895	2263	2265	2267	rBV3	5256	5701	0.58%	0.045%
89	17.430	2352	2356	2360	rBV3	12481	17915	1.83%	0.140%
90	17.724	2399	2406	2416	rBV	560518	889364	90.77%	6.971%
91	17.818	2416	2422	2433	rVV2	512969	840459	85.78%	6.587%
92	18.576	2546	2551	2560	rBV2	78300	183721	18.75%	1.440%
93	19.833	2761	2765	2775	rBV4	85533	207300	21.16%	1.625%
94	20.091	2804	2809	2817	rBV	578583	905059	92.37%	7.094%
95	21.625	3067	3070	3081	rVB2	114831	210270	21.46%	1.648%
96	22.054	3137	3143	3153	rVB	514977	979785	100.00%	7.679%
97	22.865	3277	3281	3286	rBV2	118931	195102	19.91%	1.529%
98	24.492	3553	3558	3565	rVB2	146220	292527	29.86%	2.293%
99	25.332	3692	3701	3713	rBV3	278363	869395	88.73%	6.814%
100	25.573	3737	3742	3758	rVB2	311079	891195	90.96%	6.985%

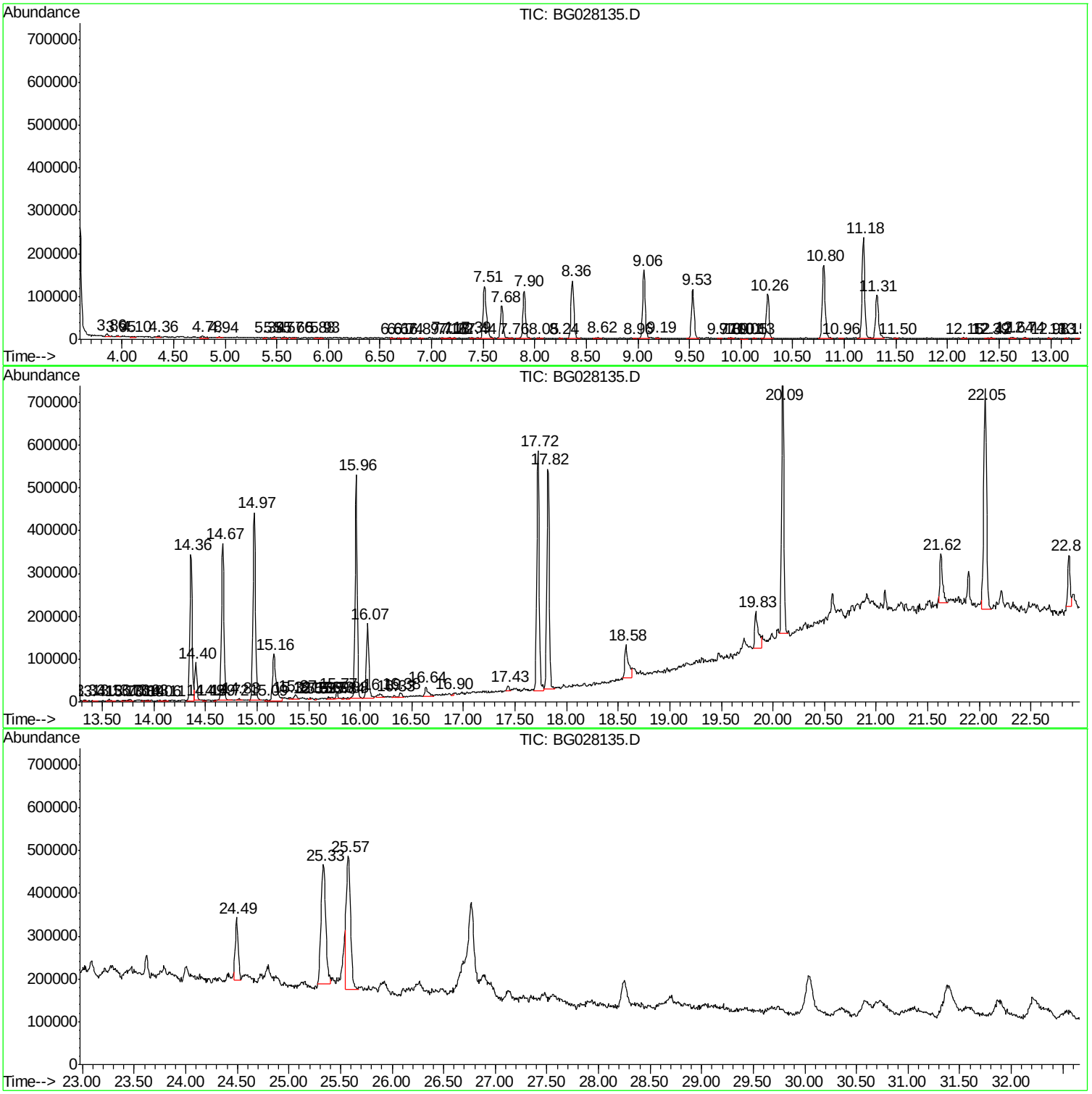
Sum of corrected areas: 12758865

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\
Data File : BG028135.D
Acq On : 3 Aug 2017 10:54
Operator : SJ/JU
Sample : I4405-06
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JJ2X3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\
Data File : BG028135.D
Acq On : 3 Aug 2017 10:54
Operator : SJ/JU
Sample : I4405-06
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JJ2X3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

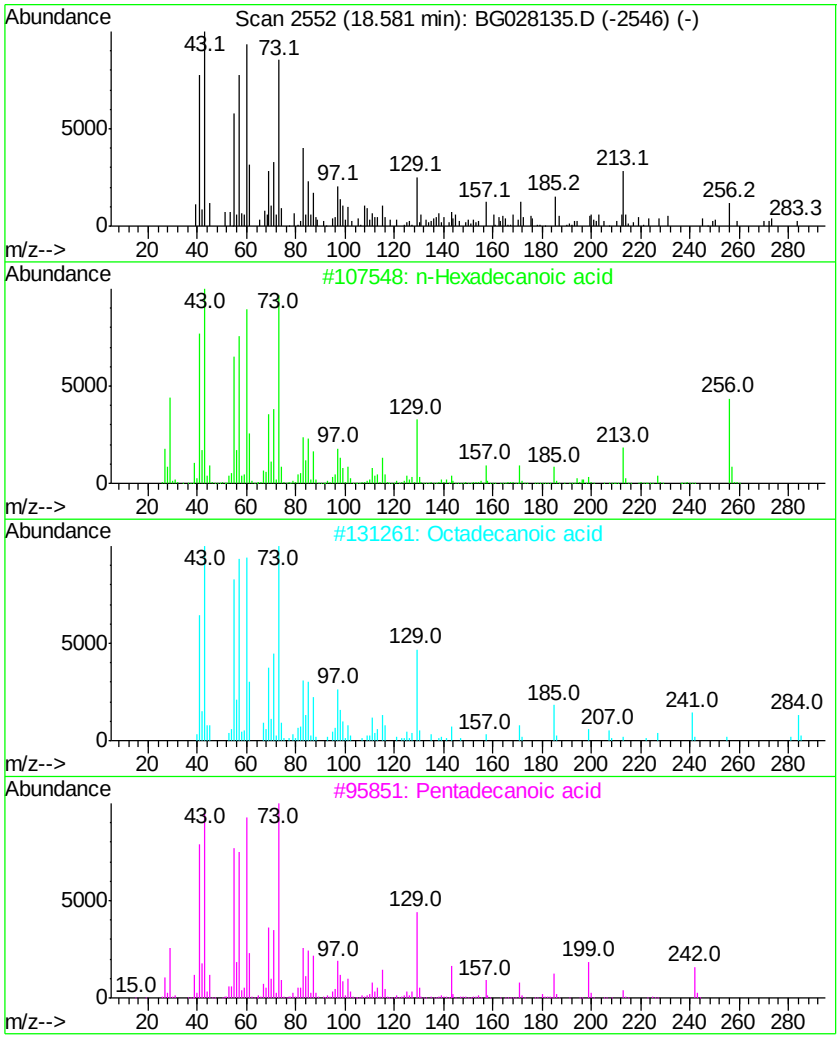
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

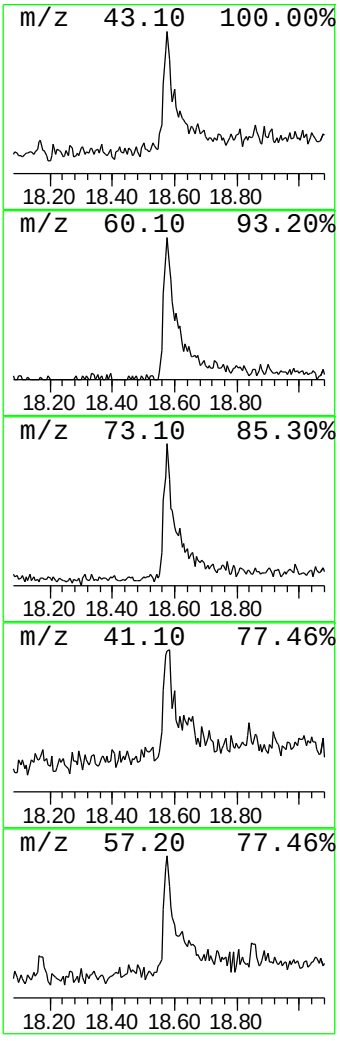
****

Peak Number 1 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.58	4.13 ng/ul	183721	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
2	Octadecanoic acid	284	C18H36O2	000057-11-4	86
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	80
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	72
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\
Data File : BG028135.D
Acq On : 3 Aug 2017 10:54
Operator : SJ/JU
Sample : I4405-06
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JJ2X3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

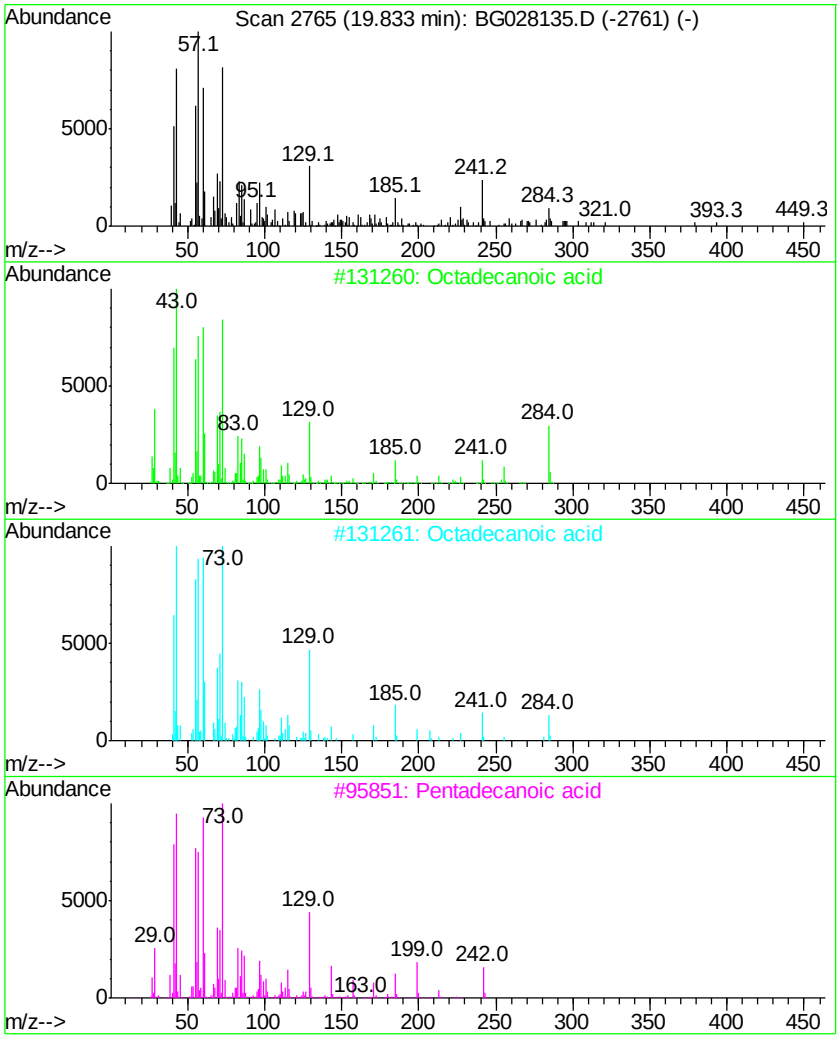
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

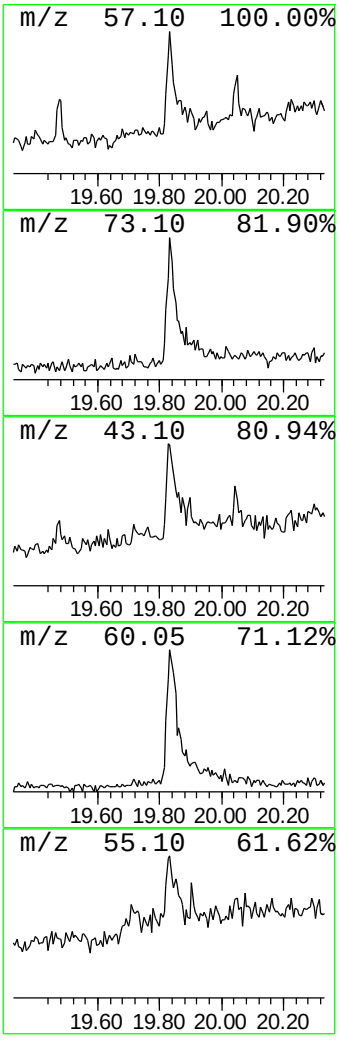
****

Peak Number 2 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	4.66 ng/ul	207300	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	81
2	Octadecanoic acid	284	C18H36O2	000057-11-4	70
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	58
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	58
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	52





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\
Data File : BG028135.D
Acq On : 3 Aug 2017 10:54
Operator : SJ/JU
Sample : I4405-06
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JJ2X3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

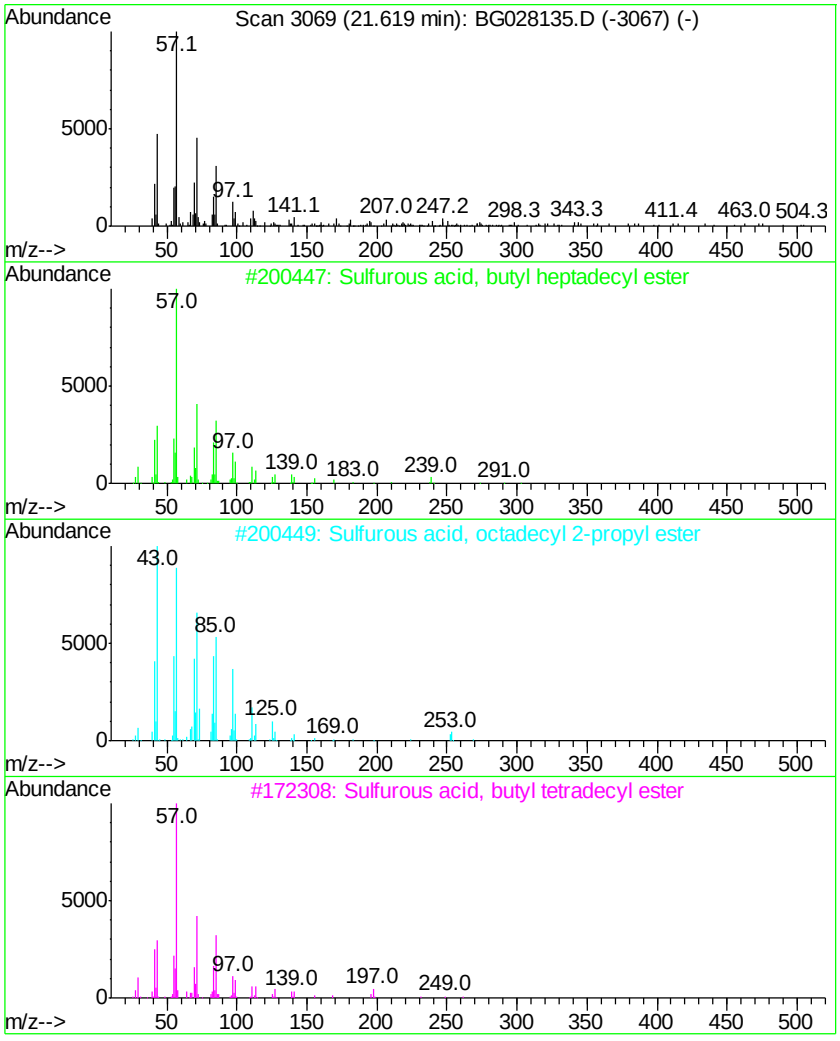
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

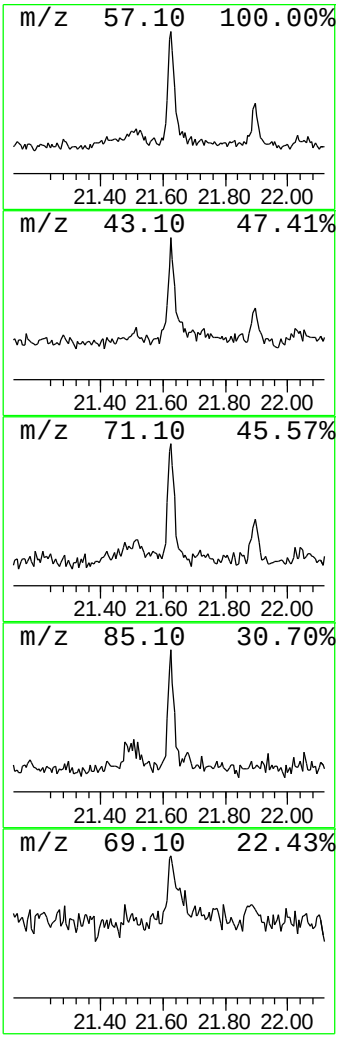
****

Peak Number 3 Sulfurous acid, butyl hepta... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.62	4.29 ng/ul	210270	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, butyl heptadecyl...	376	C21H44O3S	1000309-18-4	91
2	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	81
3	Sulfurous acid, butyl tetradecyl...	334	C18H38O3S	1000309-18-1	80
4	Hexadecane, 1-bromo-	304	C16H33Br	000112-82-3	72
5	Oxalic acid, isobutyl heptadecyl...	384	C23H44O4	1000309-38-2	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\
Data File : BG028135.D
Acq On : 3 Aug 2017 10:54
Operator : SJ/JU
Sample : I4405-06
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JJ2X3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

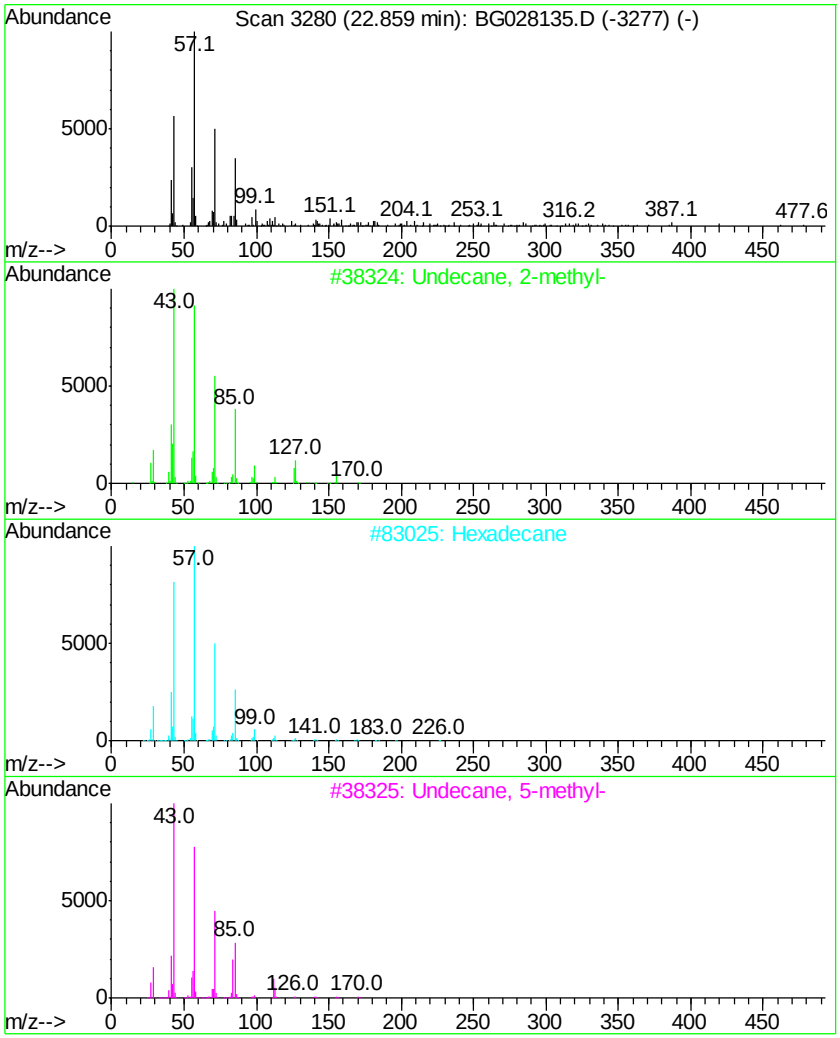
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

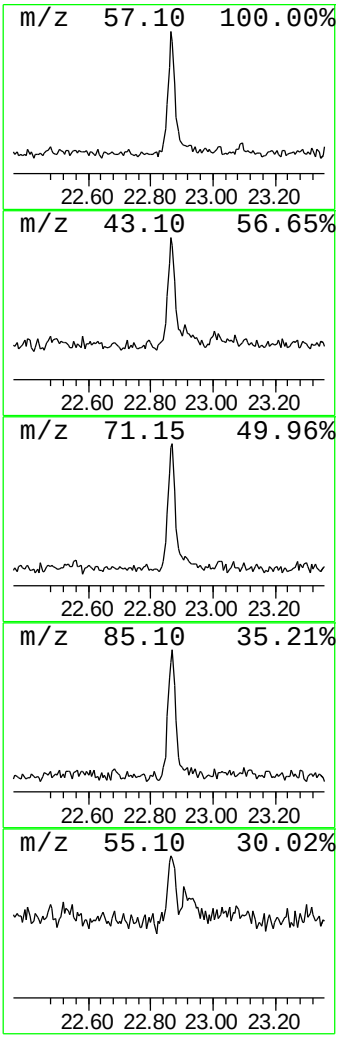
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.86	3.98 ng/ul	195102	Chrysene-d12	22.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2-methyl-	170	C12H26	007045-71-8	80
2	Hexadecane	226	C16H34	000544-76-3	72
3	Undecane, 5-methyl-	170	C12H26	001632-70-8	68
4	Pentadecane	212	C15H32	000629-62-9	64
5	Tricosane, 2-methyl-	338	C24H50	001928-30-9	64





Data Path : Z:\HPCHEM1\BNA G\DATA\BG080217\
Data File : BG028135.D
Acq On : 3 Aug 2017 10:54
Operator : SJ/JU
Sample : I4405-06
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JJ2X3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

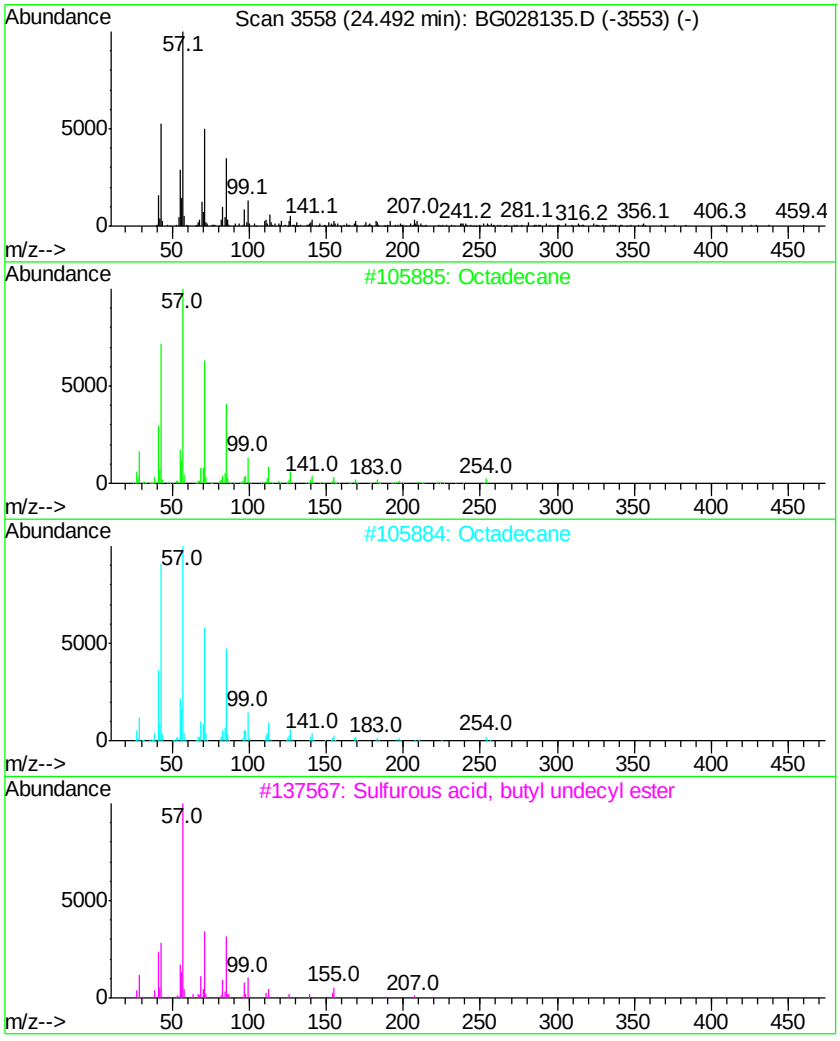
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

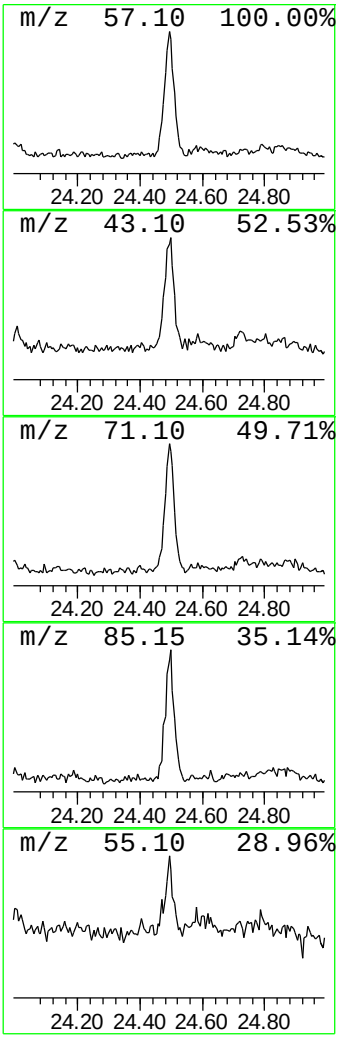
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.49	6.56 ng/ul	292527	Perylene-d12	25.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	96
2	Octadecane	254	C18H38	000593-45-3	87
3	Sulfurous acid, butyl undecyl ester	292	C15H32O3S	1000309-17-8	83
4	Tricosane, 2-methyl-	338	C24H50	001928-30-9	80
5	Heptacosane	380	C27H56	000593-49-7	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080217\
Data File : BG028135.D
Acq On : 3 Aug 2017 10:54
Operator : SJ/JU
Sample : I4405-06
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : JJ2X3

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
n-Hexadecanoic acid	18.58	4.1	ng/ul	183721	4	17.72	889364	20.0
Octadecanoic acid	19.83	4.7	ng/ul	207300	4	17.72	889364	20.0
Sulfurous acid, b...	21.62	4.3	ng/ul	210270	5	22.05	979785	20.0
(DEL) Alkane: Str...	22.86	4.0	ng/ul	195102	5	22.05	979785	20.0
(DEL) Alkane: Str...	24.49	6.6	ng/ul	292527	6	25.57	891195	20.0