LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA G\DATA\BG082117\
Data File : BG028409.D
Acq On : 22 Aug 2017 4:36
Operator : SJ/JU
Sample : I4827-17
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : B0AF5

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	3.829	36	41	48	rVB4	7828	15797	1.27%	0.111%
2	4.105	84	88	90	rBV4	3153	3744	0.30%	0.026%
3	4.246	109	112	121	rVB6	4434	9182	0.74%	0.064%
4	4.340	121	128	134	rBV5	8817	16288	1.31%	0.114%
5	4.563	164	166	171	rBV3	4120	6086	0.49%	0.043%
6	5.433	310	314	316	rBV4	2326	3154	0.25%	0.022%
7	5.462	316	319	326	rVB5	3130	5073	0.41%	0.036%
8	5.538	331	332	336	rVB3	2288	2679	0.22%	0.019%
9	5.721	361	363	371	rBV3	1849	4013	0.32%	0.028%
10	5.950	398	402	407	rVB4	2103	4037	0.33%	0.028%
11	5.985	407	408	412	rBV2	2319	3000	0.24%	0.021%
12	6.126	428	432	435	rBV2	2196	3361	0.27%	0.024%
13	6.631	517	518	526	rBV2	1730	2715	0.22%	0.019%
14	6.843	550	554	557	rVB3	1696	2500	0.20%	0.018%
15	7.495	655	665	680	rBV	167857	334864	26.99%	2.350%
16	7.659	685	693	703	rBV	123193	210757	16.98%	1.479%
17	7.736	704	706	712	rVB3	3918	6902	0.56%	0.048%
18	7.789	712	715	717	rBV2	3192	3643	0.29%	0.026%
19	7.877	721	730	744	rVB	162246	298208	24.03%	2.093%
20	8.141	774	775	781	rVB3	2475	2646	0.21%	0.019%
21	8.341	802	809	819	rVB	154278	285042	22.97%	2.000%
22	8.723	871	874	880	rVB2	2247	3823	0.31%	0.027%
23	9.040	921	928	937	rBV2	176304	333503	26.88%	2.340%
24	9.510	1001	1008	1020	rBV2	168439	313318	25.25%	2.199%
25	9.616	1021	1026	1030	rVB5	1983	2706	0.22%	0.019%
26	9.751	1044	1049	1052	rBV4	2312	2973	0.24%	0.021%
27	10.233	1123	1131	1148	rBV2	147935	282348	22.75%	1.981%
28	10.779	1212	1224	1237	rBV	212256	416540	33.57%	2.923%
29	11.161	1280	1289	1299	rVB	222360	425077	34.26%	2.983%
30	11.296	1302	1312	1323	rBV	147560	304425	24.53%	2.136%
31	11.437	1334	1336	1342	rBV3	1576	2591	0.21%	0.018%
32	11.684	1370	1378	1390	rBV4	2011	5992	0.48%	0.042%
33	11.954	1419	1424	1431	rBV3	1793	3010	0.24%	0.021%
34	12.148	1453	1457	1460	rBV3	1712	2635	0.21%	0.018%

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Smoothing : ON Filtering: 5
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Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Title : SVOA CALIBRATION

35	12.313	1476	1485	1490	rVB4	3289	6946	0.56%	0.049%
36	12.618	1529	1537	1540	rVB5	5077	9182	0.74%	0.064%
37	12.724	1550	1555	1562	rVB5	3716	7585	0.61%	0.053%
38	13.012	1599	1604	1609	rBV4	1261	2721	0.22%	0.019%
39	13.112	1616	1621	1624	rBV4	2030	3056	0.25%	0.021%
40	13.306	1650	1654	1659	rBV4	2650	4838	0.39%	0.034%
41	13.488	1681	1685	1688	rBV3	1853	3540	0.29%	0.025%
42	13.541	1690	1694	1699	rVB6	3341	4778	0.39%	0.034%
43	13.694	1714	1720	1722	rBV3	1758	3233	0.26%	0.023%
44	13.811	1735	1740	1746	rVB3	2270	4432	0.36%	0.031%
45	14.340	1822	1830	1834	rVV	446569	661567	53.32%	4.642%
46	14.387	1834	1838	1845	rVB	124405	185381	14.94%	1.301%
47	14.516	1859	1860	1867	rVV5	2972	3472	0.28%	0.024%
48	14.645	1873	1882	1895	rBV	432887	733708	59.13%	5.148%
49	14.804	1906	1909	1915	rVB3	6807	9636	0.78%	0.068%
50	14.951	1927	1934	1943	rBV2	374192	617667	49.78%	4.334%
51	15.151	1960	1968	1981	rBV2	127825	282544	22.77%	1.983%
52	15.421	2010	2014	2020	rVB4	2351	4854	0.39%	0.034%
53	15.638	2046	2051	2057	rVV6	2130	3910	0.32%	0.027%
54	15.709	2057	2063	2066	rVV6	3365	5723	0.46%	0.040%
55	15.750	2066	2070	2077	rVV2	16886	25138	2.03%	0.176%
56	15.809	2077	2080	2084	rVB4	3346	4374	0.35%	0.031%
57	15.938	2095	2102	2115	rVB2	615099	970406	78.20%	6.809%
58	16.055	2115	2122	2132	rVV	206297	332290	26.78%	2.332%
59	16.144	2132	2137	2139	rVV3	5608	9295	0.75%	0.065%
60	16.173	2139	2142	2148	rVB6	8896	16753	1.35%	0.118%
61	16.249	2149	2155	2158	rBV5	3117	4761	0.38%	0.033%
62	16.308	2158	2165	2169	rVB5	3607	7074	0.57%	0.050%
63	16.379	2174	2177	2183	rVB6	3443	5094	0.41%	0.036%
64	16.567	2205	2209	2212	rVB3	3235	4399	0.35%	0.031%
65	16.614	2212	2217	2227	rBV3	18362	36908	2.97%	0.259%
66	16.813	2246	2251	2257	rVB6	2511	3134	0.25%	0.022%
67	16.872	2259	2261	2269	rBV6	2933	4752	0.38%	0.033%
68	16.954	2270	2275	2282	rBV5	5296	11710	0.94%	0.082%
69	17.054	2290	2292	2300	rBV6	4143	9119	0.73%	0.064%
70	17.125	2301	2304	2307	rVV3	1924	2490	0.20%	0.017%
71	17.219	2312	2320	2327	rBV4	17824	30239	2.44%	0.212%

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Integration Parameters: LSCINT.P
Integrator: RTE
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Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Title : SVOA CALIBRATION

72	17.278	2327	2330	2334	rVB3	2874	4084	0.33%	0.029%
73	17.360	2340	2344	2348	rBV4	2900	4099	0.33%	0.029%
74	17.407	2348	2352	2356	rBV3	12906	17123	1.38%	0.120%
75	17.571	2375	2380	2385	rVB5	3748	5190	0.42%	0.036%
76	17.701	2394	2402	2410	rBV2	512368	774450	62.41%	5.434%
77	17.800	2412	2419	2429	rVB	660351	1048824	84.52%	7.360%
78	17.883	2430	2433	2439	rVB5	4970	6991	0.56%	0.049%
79	18.047	2457	2461	2463	rBV5	3265	4700	0.38%	0.033%
80	18.083	2465	2467	2469	rVB2	2817	2679	0.22%	0.019%
81	18.147	2473	2478	2481	rBV4	2905	4549	0.37%	0.032%
82	18.318	2504	2507	2512	rVB5	3793	5474	0.44%	0.038%
83	18.388	2516	2519	2521	rBV3	3297	4111	0.33%	0.029%
84	18.429	2523	2526	2528	rBV3	4426	5979	0.48%	0.042%
85	18.482	2534	2535	2540	rBV3	2556	4080	0.33%	0.029%
86	18.547	2540	2546	2562	rBV2	126183	229320	18.48%	1.609%
87	18.788	2586	2587	2589	rBV2	4456	3279	0.26%	0.023%
88	18.823	2590	2593	2596	rVB3	3681	4365	0.35%	0.031%
89	18.934	2605	2612	2614	rBV5	4860	9360	0.75%	0.066%
90	19.081	2630	2637	2639	rBV7	3461	6662	0.54%	0.047%
91	19.675	2734	2738	2740	rBV4	5837	8121	0.65%	0.057%
92	19.804	2756	2760	2768	rBV3	48961	78774	6.35%	0.553%
93	20.074	2798	2806	2816	rBV	832099	1240858	100.00%	8.707%
94	21.596	3059	3065	3073	rBV8	43651	95936	7.73%	0.673%
95	21.860	3106	3110	3117	rVB4	20267	36244	2.92%	0.254%
96	22.031	3131	3139	3148	rBV	516268	925654	74.60%	6.495%
97	24.757	3599	3603	3610	rVB8	23107	45511	3.67%	0.319%
98	25.286	3682	3693	3709	rVB2	412428	1229733	99.10%	8.629%
99	25.533	3718	3735	3749	rVB2	282186	997541	80.39%	7.000%
100	26.696	3925	3933	3943	rVB8	27678	88147	7.10%	0.619%

Sum of corrected areas: 14251179

LSC Report - Integrated Chromatogram

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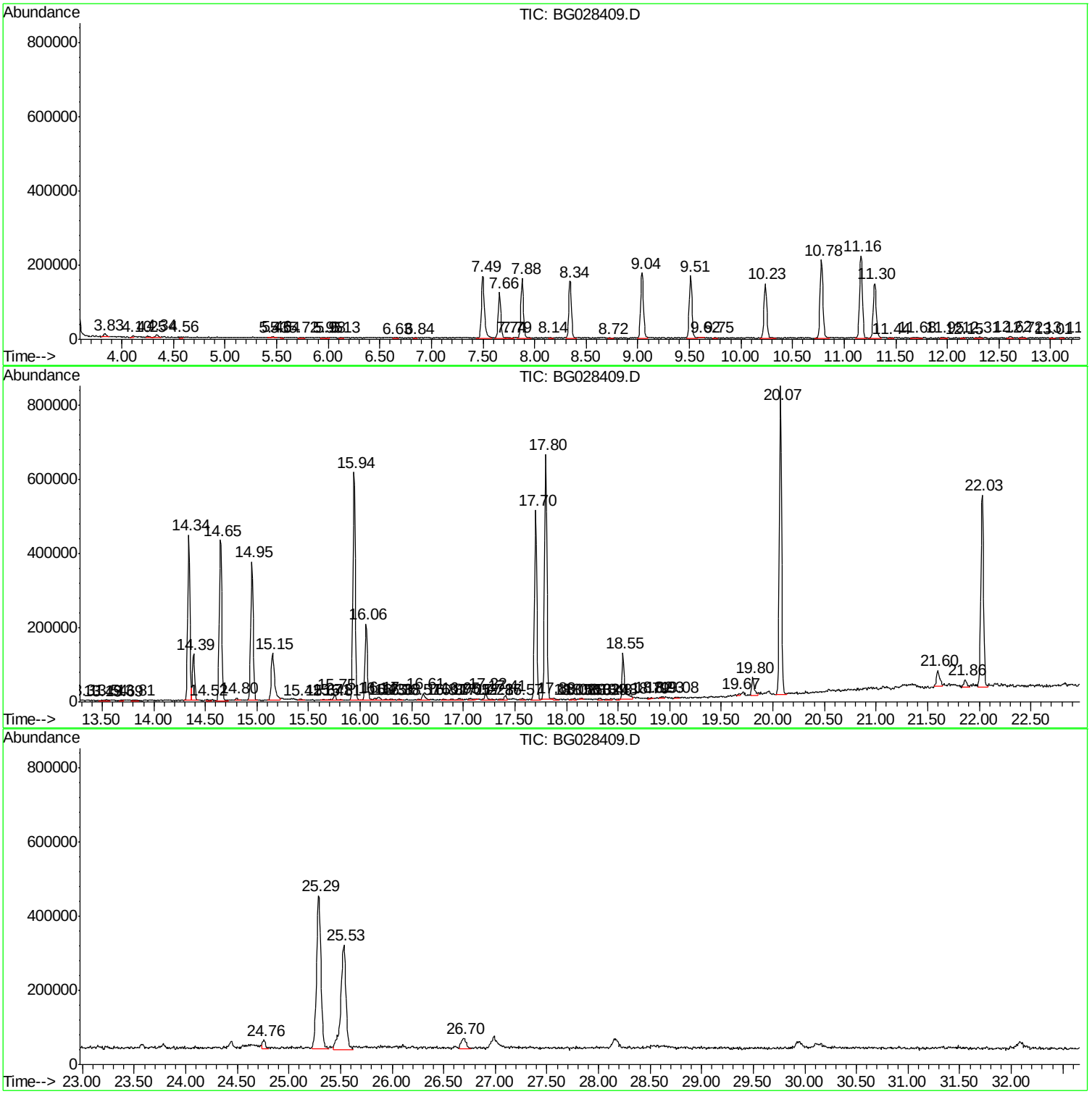
Instrument : BNA_G
ClientSampleId : B0AF5

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

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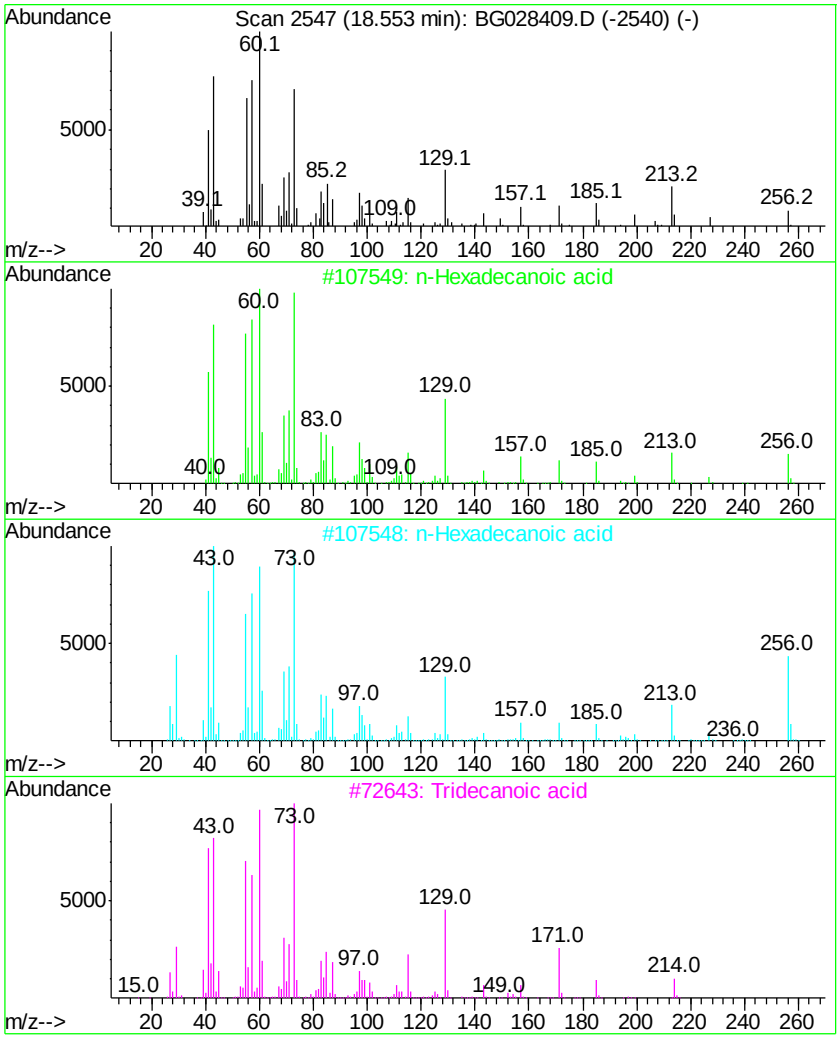
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

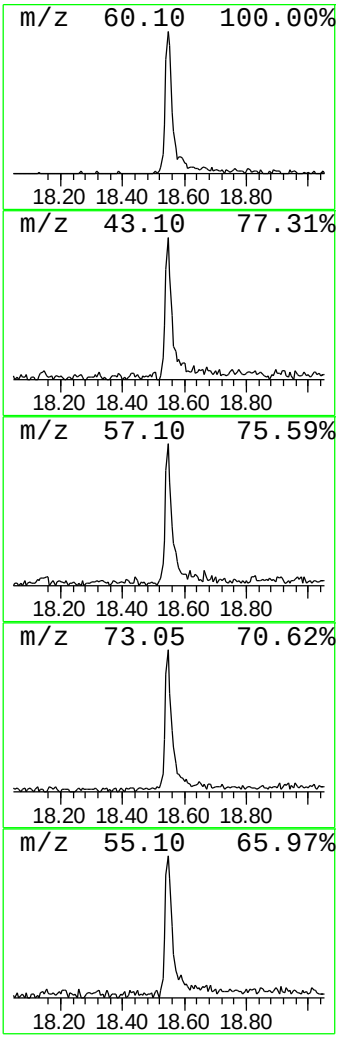
****

Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	5.92 ng/ul	229320	Phenanthrene-d10	17.70

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	Tridecanoic acid	214	C13H26O2	000638-53-9	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
5	Octadecanoic acid	284	C18H36O2	000057-11-4	87





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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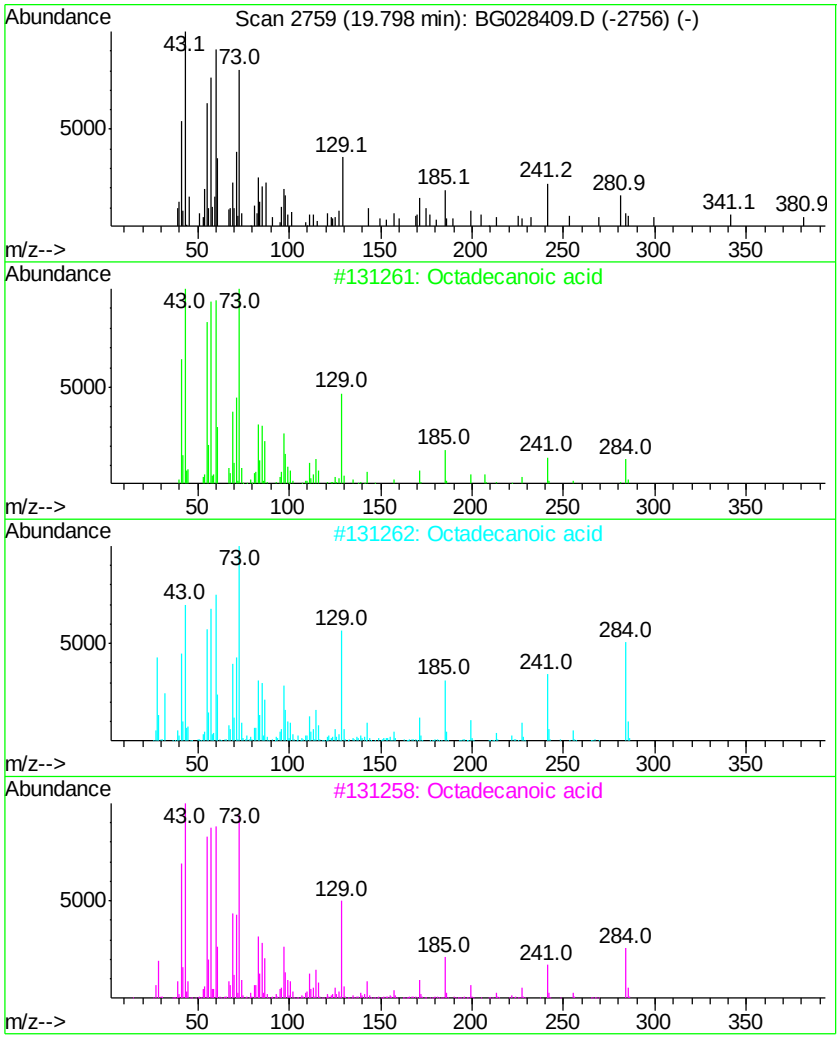
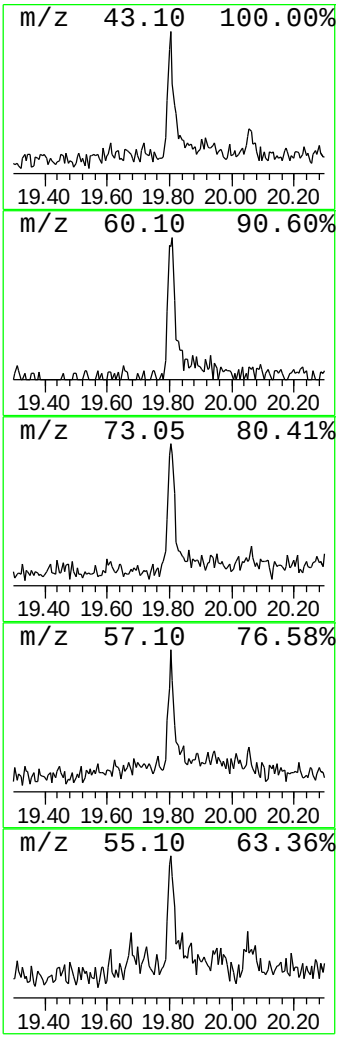
****

Peak Number 2 Octadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	2.03 ng/ul	78774	Phenanthrene-d10	17.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	97
2	Octadecanoic acid	284	C18H36O2	000057-11-4	95
3	Octadecanoic acid	284	C18H36O2	000057-11-4	95
4	Octadecanoic acid	284	C18H36O2	000057-11-4	95
5	Octadecanoic acid	284	C18H36O2	000057-11-4	93





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Quant Title : SVOA CALIBRATION

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

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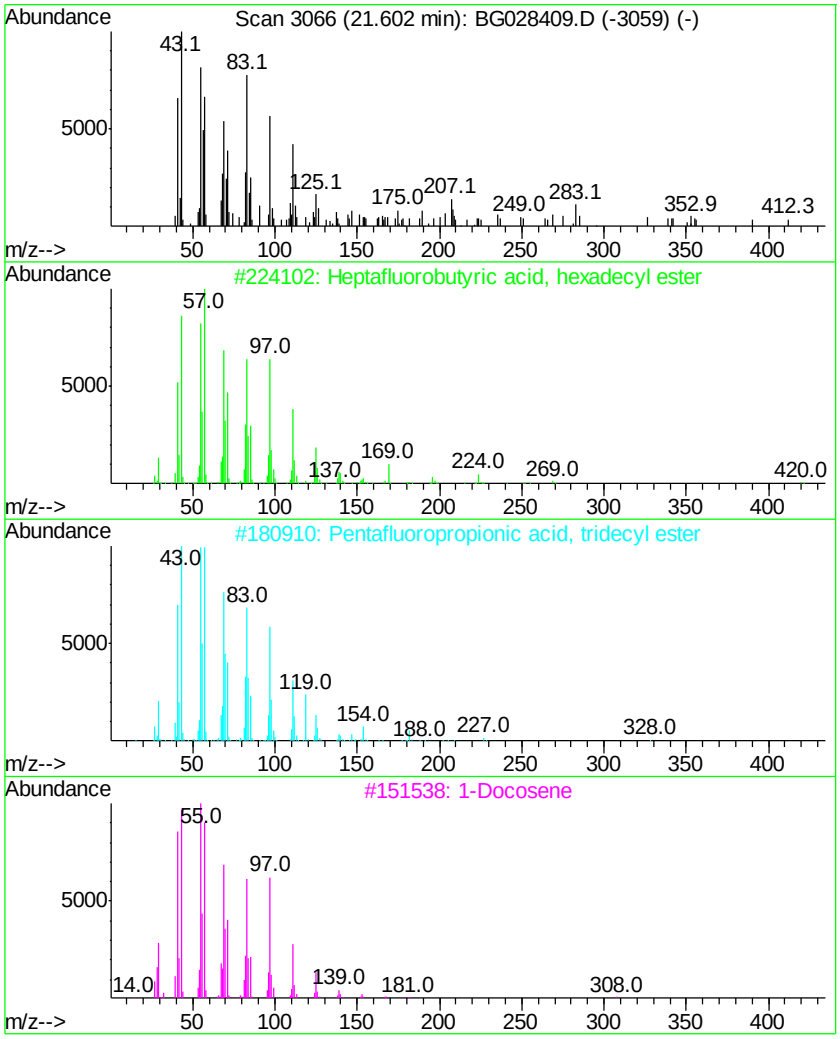
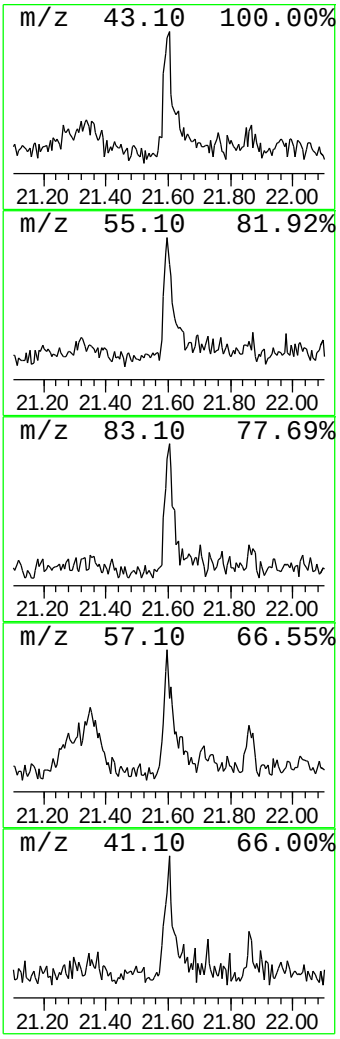
Peak Number 3 Heptafluorobutyric acid, he... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.60	2.07 ng/ul	95936	Chrysene-d12	22.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	86
2	Pentafluoropropionic acid, tride...	346	C16H27F5O2	959261-22-4	83
3	1-Docosene	308	C22H44	001599-67-3	80
4	Octacosanol	410	C28H58O	000557-61-9	74
5	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	74





Tentatively Identified Compound (LSC) summary

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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	18.55	5.9	ng/ul	229320	4	17.70	774450	20.0
Octadecanoic acid	19.80	2.0	ng/ul	78774	4	17.70	774450	20.0
Heptafluorobutyri...	21.60	2.1	ng/ul	95936	5	22.03	925654	20.0