LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG072017\
Data File : BG028011.D
Acq On : 20 Jul 2017 23:24
Operator : SJ/JU
Sample : I4209-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B00

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-BG071717.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	3.861	40	46	60	rVB5	7698	15448	0.70%	0.082%
2	4.113	84	89	100	rBV	25334	48743	2.21%	0.259%
3	6.681	520	526	531	rBV3	1692	3033	0.14%	0.016%
4	7.515	659	668	682	rVB	158371	309036	14.04%	1.645%
5	7.686	686	697	707	rBV	116094	209711	9.53%	1.116%
6	7.903	725	734	745	rBV	163077	298671	13.57%	1.590%
7	8.267	790	796	807	rBV5	10471	23029	1.05%	0.123%
8	8.373	807	814	826	rVB	129215	229879	10.44%	1.224%
9	8.555	839	845	850	rBV2	6059	11582	0.53%	0.062%
10	8.602	850	853	859	rVB2	3581	6434	0.29%	0.034%
11	9.055	918	930	948	rBV	205405	389711	17.71%	2.074%
12	9.536	1004	1012	1022	rBV2	145354	279278	12.69%	1.486%
13	10.259	1127	1135	1146	rVB	126504	238926	10.86%	1.272%
14	10.682	1202	1207	1213	rBV	3680	5148	0.23%	0.027%
15	10.800	1218	1227	1243	rBV	230982	442896	20.12%	2.357%
16	10.935	1243	1250	1261	rBV3	9539	21341	0.97%	0.114%
17	11.187	1286	1293	1300	rBV	184638	351260	15.96%	1.870%
18	11.317	1308	1315	1331	rBV	206556	405866	18.44%	2.160%
19	12.750	1554	1559	1566	rBV3	3265	6293	0.29%	0.033%
20	13.620	1701	1707	1716	rVB2	7234	12074	0.55%	0.064%
21	13.843	1738	1745	1751	rBV3	3379	6068	0.28%	0.032%
22	14.213	1802	1808	1815	rBV2	1321	2837	0.13%	0.015%
23	14.366	1825	1834	1838	rBV	541369	833690	37.88%	4.437%
24	14.407	1838	1841	1851	rVB	424119	604053	27.45%	3.215%
25	14.672	1877	1886	1899	rBV	536725	890130	40.44%	4.738%
26	14.830	1909	1913	1919	rBV2	4044	4766	0.22%	0.025%
27	14.977	1926	1938	1949	rBV2	340275	578806	26.30%	3.081%
28	15.159	1961	1969	1993	rBV	103633	259089	11.77%	1.379%
29	15.377	2001	2006	2011	rVB5	3590	6458	0.29%	0.034%
30	15.447	2013	2018	2023	rBV3	2257	3730	0.17%	0.020%
31	15.735	2062	2067	2070	rBV5	4176	8644	0.39%	0.046%
32	15.776	2070	2074	2079	rVB2	13133	19225	0.87%	0.102%
33	15.964	2097	2106	2117	rBV	816067	1308790	59.46%	6.966%
34	16.070	2117	2124	2133	rVB2	135856	216051	9.82%	1.150%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I4209-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0B00

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-BG071717.M
Title : SVOA CALIBRATION

35	16.199	2137	2146	2153	rVB3	9672	22961	1.04%	0.122%
36	16.487	2189	2195	2199	rBV4	2069	4290	0.19%	0.023%
37	16.581	2206	2211	2215	rVB2	1435	2761	0.13%	0.015%
38	16.640	2215	2221	2230	rBV4	16589	35558	1.62%	0.189%
39	16.822	2248	2252	2259	rVB6	3760	5632	0.26%	0.030%
40	16.910	2262	2267	2269	rBV4	3643	5244	0.24%	0.028%
41	16.945	2269	2273	2276	rVV3	6033	7693	0.35%	0.041%
42	16.981	2276	2279	2286	rVV7	2459	5100	0.23%	0.027%
43	17.057	2288	2292	2293	rBV4	3515	4161	0.19%	0.022%
44	17.092	2294	2298	2304	rVB4	5521	10034	0.46%	0.053%
45	17.139	2304	2306	2314	rBV6	3174	5625	0.26%	0.030%
46	17.216	2316	2319	2321	rVB4	2134	2823	0.13%	0.015%
47	17.433	2348	2356	2360	rBV2	17140	25143	1.14%	0.134%
48	17.486	2362	2365	2370	rVB7	3623	5524	0.25%	0.029%
49	17.721	2396	2405	2416	rBV	517425	828837	37.66%	4.412%
50	17.821	2416	2422	2434	rVV	987197	1555229	70.66%	8.278%
51	17.968	2446	2447	2451	rBV3	3535	3747	0.17%	0.020%
52	18.068	2458	2464	2478	rBV5	23869	70909	3.22%	0.377%
53	18.173	2478	2482	2486	rVB2	13620	17610	0.80%	0.094%
54	18.350	2507	2512	2519	rBV9	4706	9241	0.42%	0.049%
55	18.455	2525	2530	2535	rBV6	7310	13154	0.60%	0.070%
56	18.573	2545	2550	2560	rBV3	64416	124955	5.68%	0.665%
57	18.796	2586	2588	2591	rVB4	4037	2979	0.14%	0.016%
58	18.855	2595	2598	2603	rBV5	8572	11922	0.54%	0.063%
59	18.984	2617	2620	2627	rVB7	8107	11879	0.54%	0.063%
60	19.084	2636	2637	2640	rBV3	2790	2936	0.13%	0.016%
61	19.213	2656	2659	2661	rVB4	2952	2856	0.13%	0.015%
62	19.243	2661	2664	2668	rBV4	3256	5736	0.26%	0.031%
63	19.313	2673	2676	2683	rVB7	3804	6841	0.31%	0.036%
64	19.378	2683	2687	2689	rBV5	5217	4941	0.22%	0.026%
65	19.419	2689	2694	2702	rBV4	40742	92486	4.20%	0.492%
66	19.613	2726	2727	2732	rVB4	6686	7387	0.34%	0.039%
67	19.725	2736	2746	2749	rBV6	21441	56962	2.59%	0.303%
68	19.760	2749	2752	2758	rVB	33762	49245	2.24%	0.262%
69	19.830	2760	2764	2771	rBV6	28983	52948	2.41%	0.282%
70	19.983	2785	2790	2795	rVB4	18346	32304	1.47%	0.172%
71	20.048	2798	2801	2803	rBV4	6467	5826	0.26%	0.031%

LSC Area Percent Report

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Integrator: RTE
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Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG071717.M
Title : SVOA CALIBRATION

72	20.095	2803	2809	2821	rVB	1398553	2064697	93.81%	10.990%
73	20.347	2850	2852	2854	rBV3	3167	3247	0.15%	0.017%
74	20.582	2887	2892	2893	rBV5	8318	9656	0.44%	0.051%
75	20.700	2907	2912	2919	rBV5	8938	18138	0.82%	0.097%
76	20.923	2943	2950	2953	rBV2	32518	57411	2.61%	0.306%
77	20.958	2954	2956	2964	rVB7	21786	35641	1.62%	0.190%
78	21.041	2968	2970	2975	rVB6	9722	12411	0.56%	0.066%
79	21.088	2975	2978	2981	rBV2	17275	18665	0.85%	0.099%
80	21.129	2982	2985	2989	rVB4	16185	19476	0.88%	0.104%
81	21.211	2997	2999	3001	rBV3	4295	3793	0.17%	0.020%
82	21.423	3033	3035	3039	rBV5	3577	5602	0.25%	0.030%
83	21.893	3112	3115	3120	rVB2	19867	27128	1.23%	0.144%
84	22.057	3133	3143	3160	rBV	632808	1230784	55.92%	6.551%
85	22.210	3166	3169	3174	rVB5	6668	9611	0.44%	0.051%
86	23.614	3403	3408	3417	rBV3	17323	30748	1.40%	0.164%
87	23.831	3438	3445	3455	rVB2	54223	112171	5.10%	0.597%
88	24.443	3543	3549	3550	rBV	12719	18393	0.84%	0.098%
89	24.501	3553	3559	3575	rVB5	29865	95297	4.33%	0.507%
90	24.613	3575	3578	3580	rBV4	3991	5246	0.24%	0.028%
91	24.707	3591	3594	3596	rBV4	5904	7541	0.34%	0.040%
92	24.730	3596	3598	3600	rVV3	5043	4861	0.22%	0.026%
93	25.230	3679	3683	3684	rBV3	5176	6630	0.30%	0.035%
94	25.330	3689	3700	3722	rVB2	709182	2200953	100.00%	11.715%
95	25.571	3726	3741	3765	rVB2	351679	1213961	55.16%	6.461%
96	26.763	3935	3944	3956	rVB6	32050	102421	4.65%	0.545%
97	28.250	4188	4197	4211	rVB6	35538	125938	5.72%	0.670%
98	29.096	4337	4341	4345	rBV4	3861	7146	0.32%	0.038%
99	30.036	4492	4501	4516	rVB7	21942	90617	4.12%	0.482%
100	32.198	4858	4869	4883	rBV7	18043	85532	3.89%	0.455%

Sum of corrected areas: 18787890

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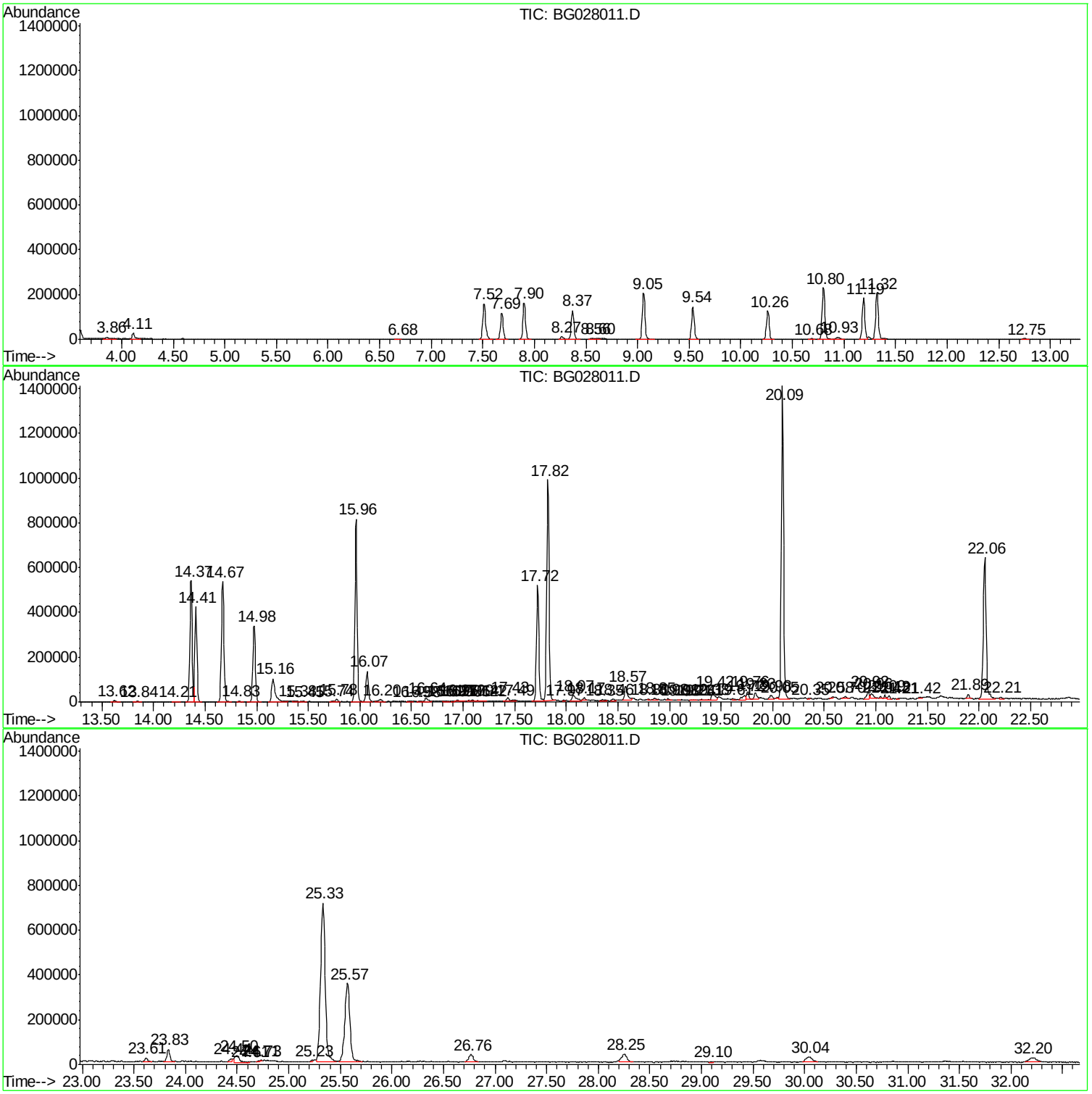
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG071717.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG072017\
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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

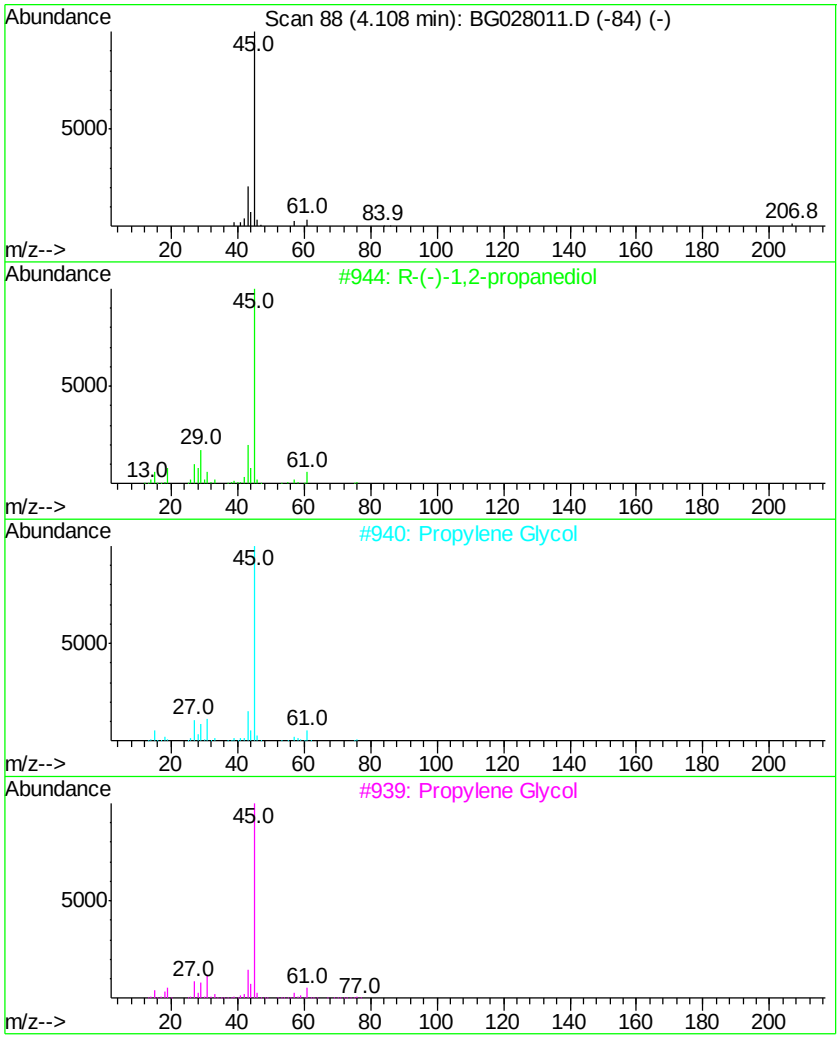
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

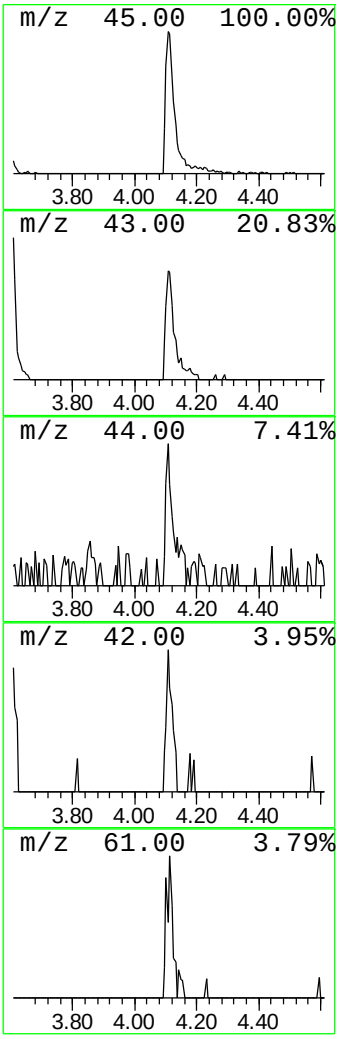
****

Peak Number 1 Propylene Glycol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.11	4.24 ng/ul	48743	1,4-Dichlorobenzene-d4	8.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	R-(-)-1,2-propanediol	76	C3H8O2	004254-14-2	86
2	Propylene Glycol	76	C3H8O2	000057-55-6	72
3	Propylene Glycol	76	C3H8O2	000057-55-6	56
4	(S)-(+)-1,2-Propanediol	76	C3H8O2	004254-15-3	9
5	2-Hexanol	102	C6H14O	000626-93-7	9





Library Search Compound Report

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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG071717.M
Quant Title : SVOA CALIBRATION

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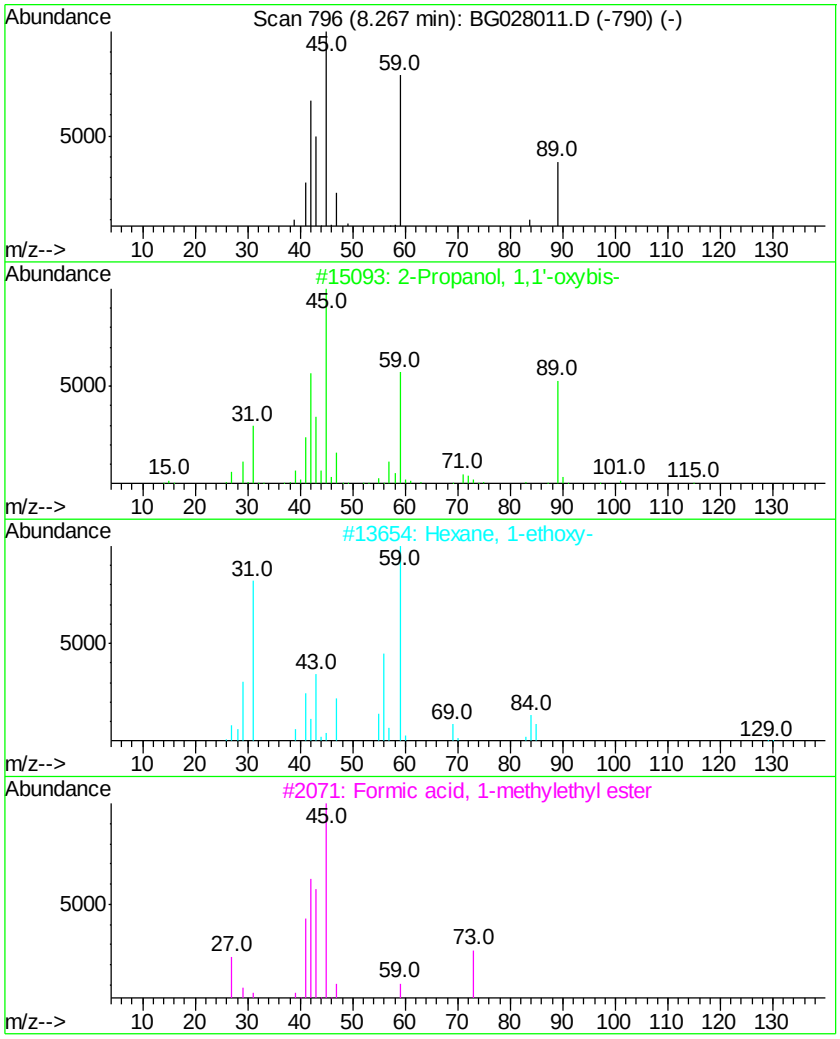
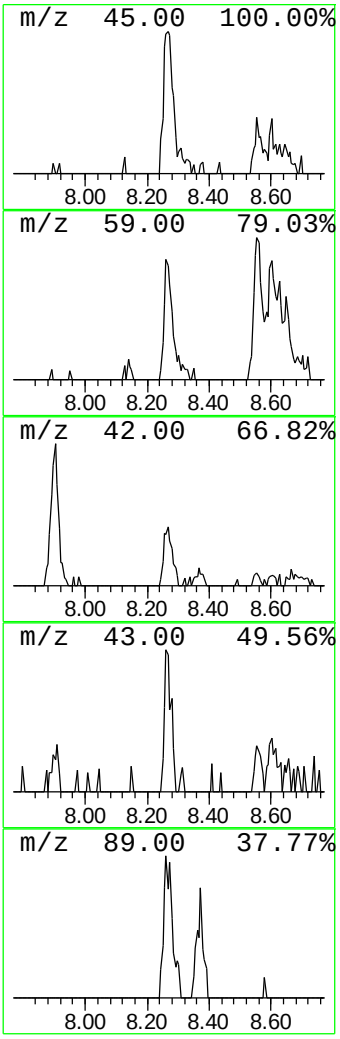
****

Peak Number 2 2-Propanol, 1,1'-oxybis- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.27	2.00 ng/ul	23029	1,4-Dichlorobenzene-d4	8.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1,1'-oxybis-	134	C6H14O3	000110-98-5	78
2	Hexane, 1-ethoxy-	130	C8H18O	005756-43-4	9
3	Formic acid, 1-methylethyl ester	88	C4H8O2	000625-55-8	9
4	2-Hexanol	102	C6H14O	000626-93-7	9
5	Ethylamine	45	C2H7N	000075-04-7	4





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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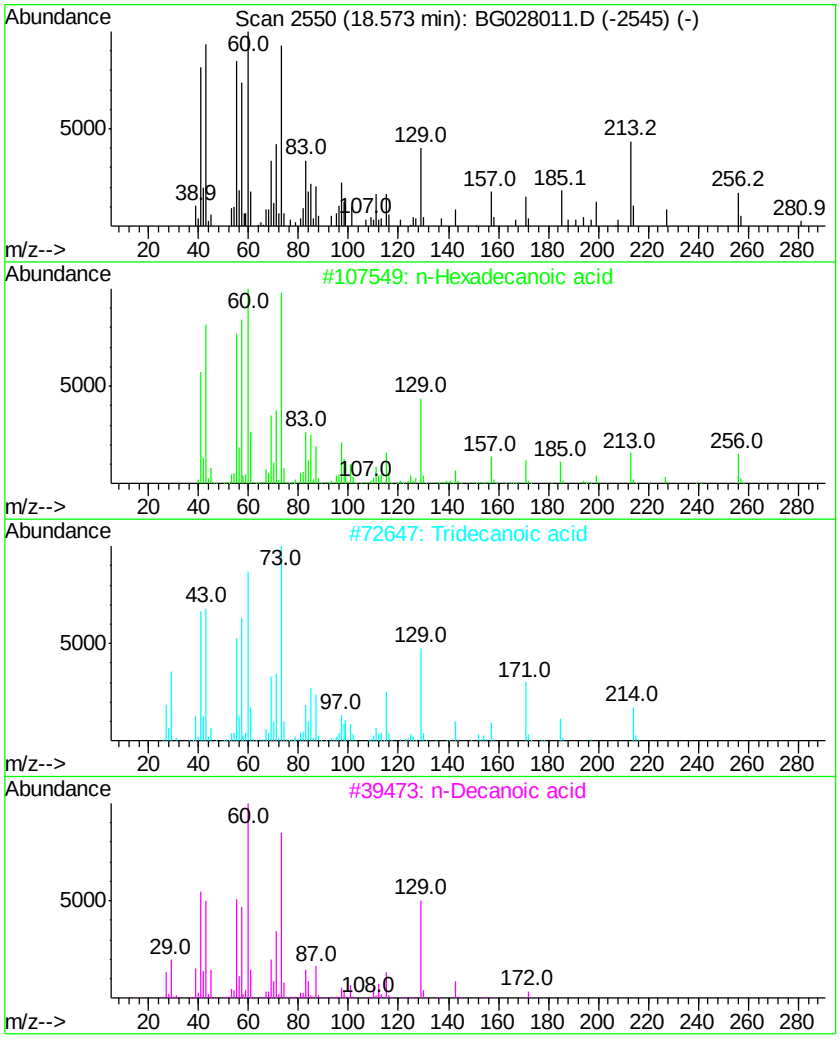
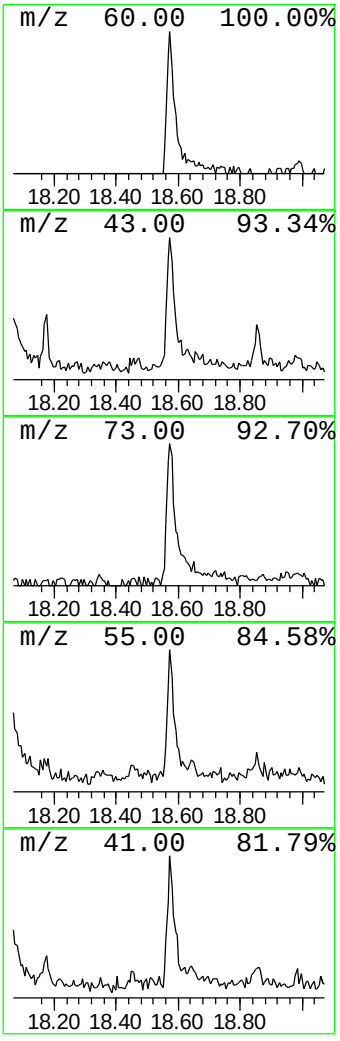
Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	3.02 ng/ul	124955	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	Tridecanoic acid	214	C13H26O2	000638-53-9	91
3	n-Decanoic acid	172	C10H20O2	000334-48-5	70
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	68
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	64





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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG071717.M
Quant Title : SVOA CALIBRATION

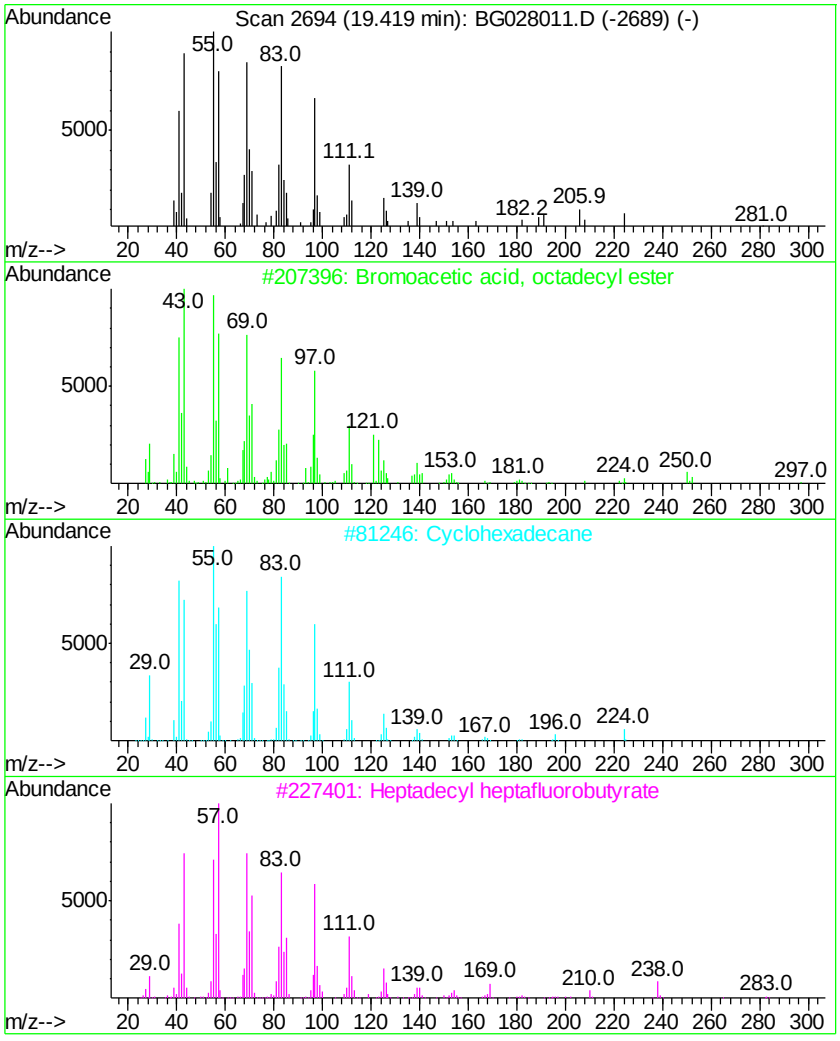
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

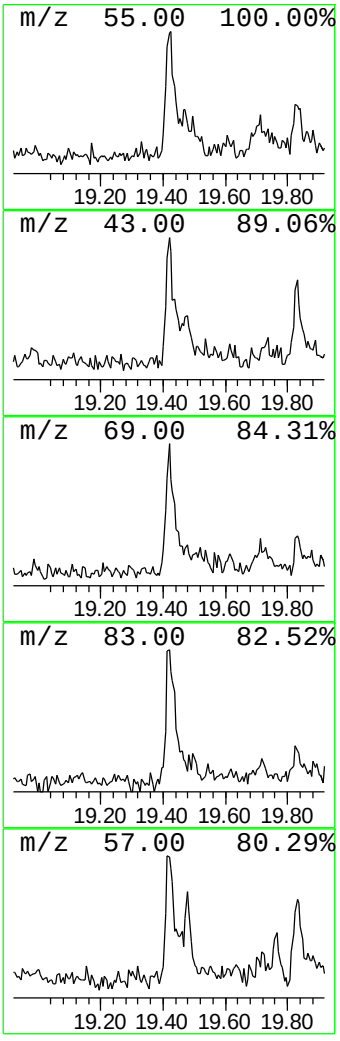
****

Peak Number 4 Bromoacetic acid, octadecyl... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.42	2.23 ng/ul	92486	Phenanthrene-d10	17.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	93
2	Cyclohexadecane	224	C16H32	000295-65-8	91
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	90
4	Z-8-Hexadecene	224	C16H32	1000130-87-5	83
5	Cyclohexadecane	224	C16H32	000295-65-8	83





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Instrument : BNA_G
ClientSampleId : C0B00

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG071717.M
Quant Title : SVOA CALIBRATION

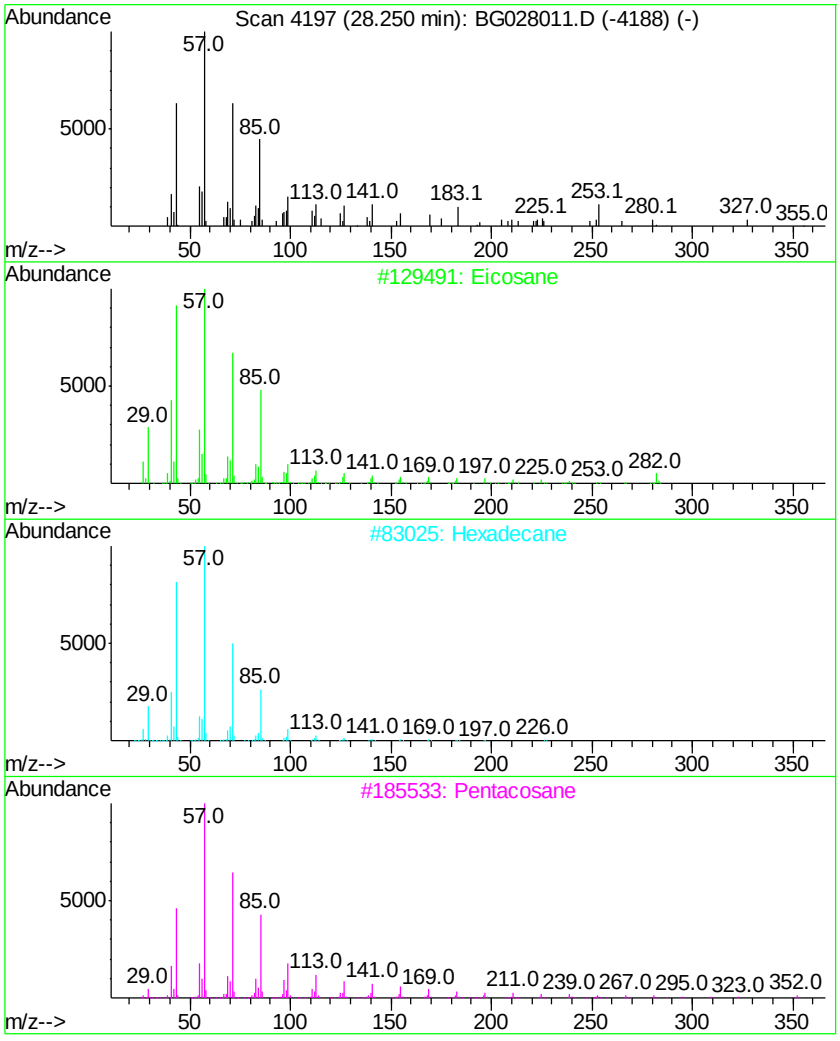
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

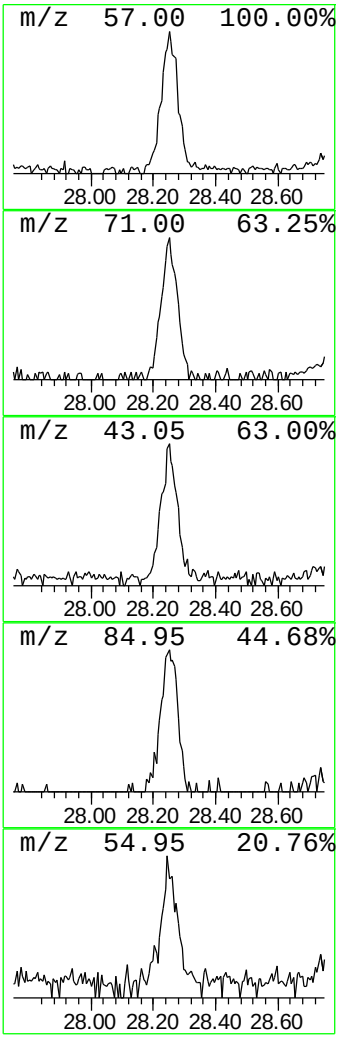
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.25	2.07 ng/ul	125938	Perylene-d12	25.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	96
2	Hexadecane	226	C16H34	000544-76-3	92
3	Pentacosane	352	C25H52	000629-99-2	70
4	Eicosane, 2-methyl-	296	C21H44	001560-84-5	68
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	68





Tentatively Identified Compound (LSC) summary

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Instrument : BNA_G
ClientSampleId : C0B00

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG071717.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
Propylene Glycol	4.11	4.2	ng/ul	48743	1	8.37	229879	20.0
2-Propanol, 1,1'-...	8.27	2.0	ng/ul	23029	1	8.37	229879	20.0
n-Hexadecanoic acid	18.57	3.0	ng/ul	124955	4	17.72	828837	20.0
Bromoacetic acid,...	19.42	2.2	ng/ul	92486	4	17.72	828837	20.0
(DEL) Alkane: Str...	28.25	2.1	ng/ul	125938	6	25.57	1213960	20.0