LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080819\
Data File : BG042106.D
Acq On : 9 Aug 2019 17:35
Operator : HP/JU
Sample : K4041-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BENW5

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.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	3.147	5	10	31	rVB	1449145	2315828	100.00%	13.207%
2	3.411	51	55	64	rVB3	8295	14381	0.62%	0.082%
3	3.693	100	103	112	rBV	10567	23825	1.03%	0.136%
4	4.075	162	168	175	rBV3	10629	20268	0.88%	0.116%
5	4.169	179	184	191	rBV4	5122	9081	0.39%	0.052%
6	5.097	338	342	345	rBV2	3523	5219	0.23%	0.030%
7	7.183	690	697	711	rBV2	132423	284939	12.30%	1.625%
8	7.342	718	724	735	rBV	96922	174282	7.53%	0.994%
9	7.559	754	761	773	rBV	146044	271712	11.73%	1.550%
10	8.023	833	840	849	rBV	221061	396907	17.14%	2.264%
11	8.740	955	962	975	rBV	159936	312969	13.51%	1.785%
12	9.193	1031	1039	1048	rBV	133138	245577	10.60%	1.401%
13	9.921	1155	1163	1176	rBV	116540	223163	9.64%	1.273%
14	10.474	1247	1257	1274	rBV	177150	370343	15.99%	2.112%
15	10.850	1312	1321	1332	rBV	339005	593711	25.64%	3.386%
16	10.985	1337	1344	1359	rVV	119750	254887	11.01%	1.454%
17	12.448	1587	1593	1599	rBV4	2835	6104	0.26%	0.035%
18	14.087	1866	1872	1877	rBV	382009	564991	24.40%	3.222%
19	14.134	1877	1880	1891	rVB	78456	112488	4.86%	0.642%
20	14.381	1913	1922	1934	rBV	437274	717089	30.96%	4.090%
21	14.686	1967	1974	1984	rBV2	571123	879834	37.99%	5.018%
22	14.886	2001	2008	2013	rBV	71128	147529	6.37%	0.841%
23	14.933	2013	2016	2025	rVV3	37177	80943	3.50%	0.462%
24	14.998	2025	2027	2031	rVB2	3147	3818	0.16%	0.022%
25	15.103	2040	2045	2050	rVB5	5756	10016	0.43%	0.057%
26	15.497	2106	2112	2116	rBV3	1994	3553	0.15%	0.020%
27	15.532	2116	2118	2122	rVB4	2634	3460	0.15%	0.020%
28	15.679	2134	2143	2151	rBV	593030	903753	39.03%	5.154%
29	15.797	2158	2163	2177	rBV	125451	201828	8.72%	1.151%
30	15.920	2181	2184	2191	rVB4	6109	10093	0.44%	0.058%
31	16.378	2257	2262	2274	rVV6	10012	25275	1.09%	0.144%
32	16.472	2274	2278	2281	rVB3	3042	4119	0.18%	0.023%
33	17.442	2432	2443	2449	rBV	683222	1064185	45.95%	6.069%
34	17.536	2454	2459	2472	rVB	624293	965690	41.70%	5.507%

LSC Area Percent Report

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Misc :
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Instrument : BNA_G
ClientSampleId : BENW5

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Title : SVOA CALIBRATION

35	18.335	2587	2595	2599	rBV3	28073	48720	2.10%	0.278%
36	18.523	2622	2627	2630	rBV4	4376	7122	0.31%	0.041%
37	18.640	2642	2647	2650	rBV5	5024	8968	0.39%	0.051%
38	18.817	2673	2677	2680	rBV4	2884	4639	0.20%	0.026%
39	19.146	2732	2733	2737	rBV4	2280	2664	0.12%	0.015%
40	19.257	2749	2752	2755	rVB3	4668	5178	0.22%	0.030%
41	19.463	2783	2787	2789	rBV2	11353	16280	0.70%	0.093%
42	19.492	2789	2792	2796	rVB	28076	35802	1.55%	0.204%
43	19.610	2808	2812	2813	rBV3	3547	4675	0.20%	0.027%
44	19.710	2827	2829	2833	rVB2	6453	7294	0.31%	0.042%
45	19.827	2842	2849	2859	rBV	868468	1262217	54.50%	7.199%
46	20.033	2880	2884	2888	rBV6	4831	8394	0.36%	0.048%
47	20.086	2892	2893	2896	rBV3	3443	2699	0.12%	0.015%
48	20.344	2933	2937	2938	rBV4	10900	14226	0.61%	0.081%
49	20.855	3022	3024	3027	rVB4	12204	9544	0.41%	0.054%
50	21.367	3106	3111	3122	rBV	157946	313726	13.55%	1.789%
51	21.719	3164	3171	3178	rBV	707418	1233234	53.25%	7.033%
52	21.931	3202	3207	3215	rBV4	27965	67461	2.91%	0.385%
53	22.571	3308	3316	3331	rVB3	117311	330487	14.27%	1.885%
54	23.253	3428	3432	3438	rVB2	30382	49813	2.15%	0.284%
55	23.605	3490	3492	3500	rVB5	27790	46223	2.00%	0.264%
56	24.081	3568	3573	3579	rBV2	46692	92701	4.00%	0.529%
57	24.152	3580	3585	3602	rVB7	45167	152837	6.60%	0.872%
58	24.769	3680	3690	3700	rBV	436120	1209514	52.23%	6.898%
59	24.992	3717	3728	3737	rBV	429698	1278119	55.19%	7.289%
60	26.220	3933	3937	3945	rVB4	40946	99932	4.32%	0.570%

Sum of corrected areas: 17534329

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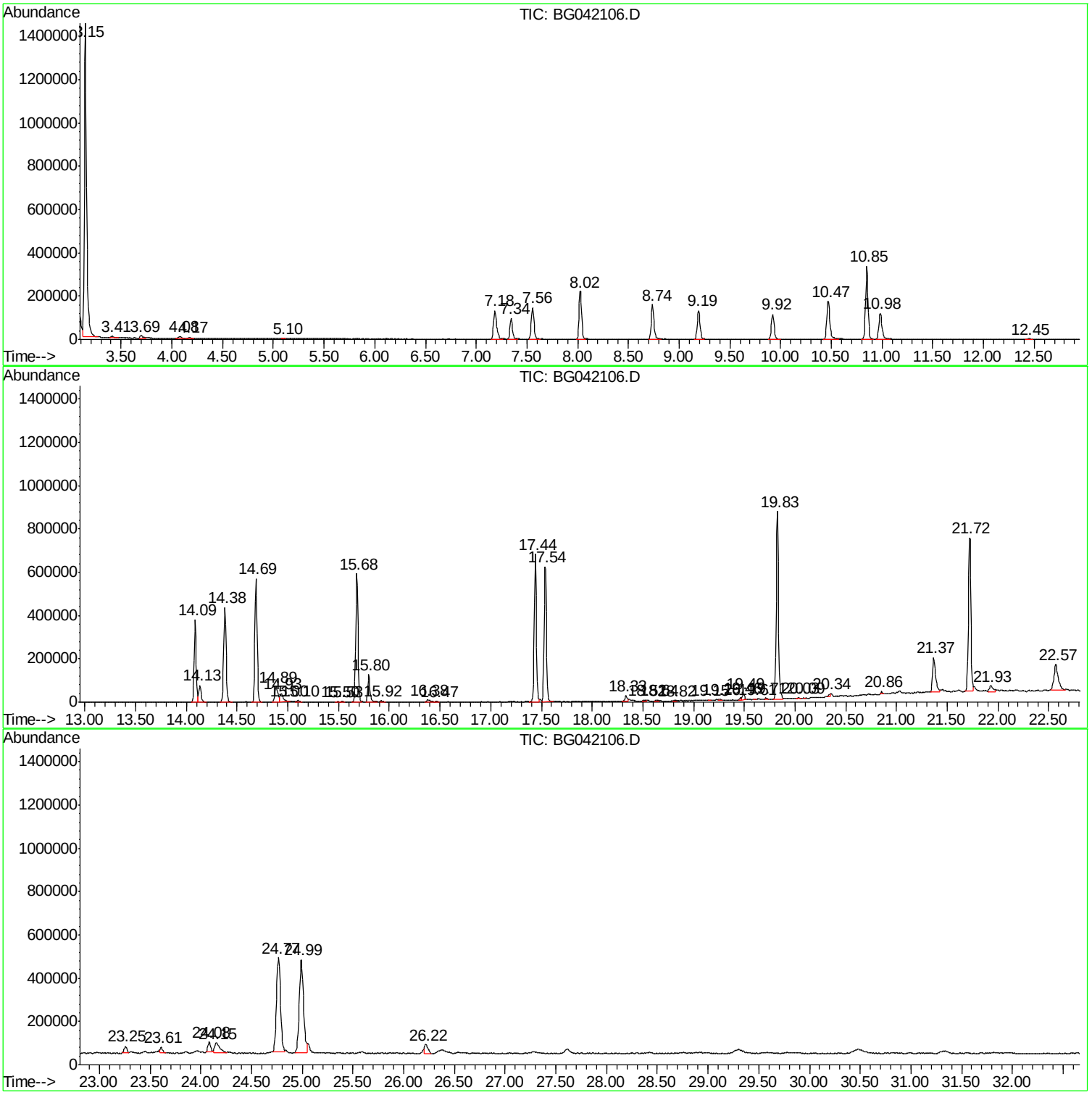
BNA_G
ClientSampleId :
BENW5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.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 Integration Parameters: LSCINT.P

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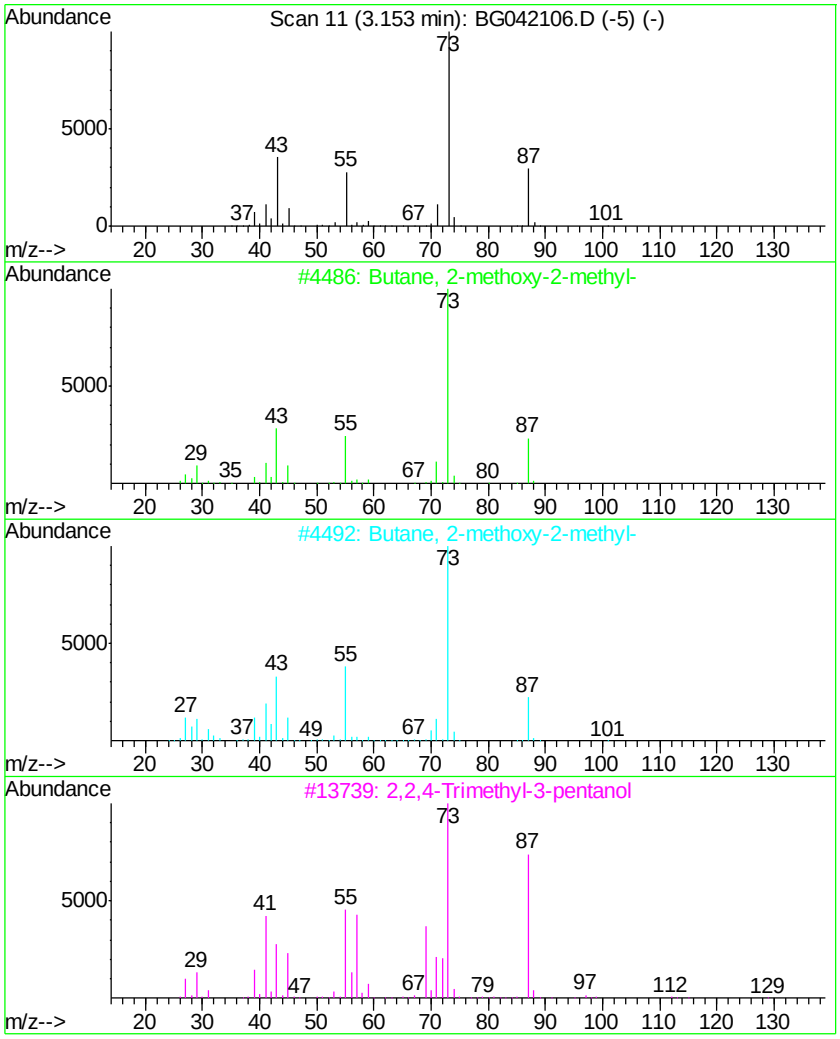
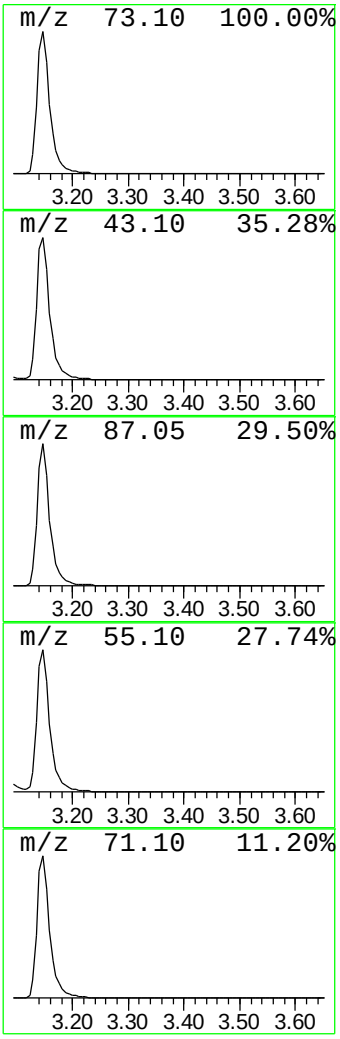
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.15	116.69 ng/ul	2315830	1,4-Dichlorobenzene-d4	8.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	59
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	38
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





Library Search Compound Report

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Instrument : BNA_G
ClientSampleId : BENW5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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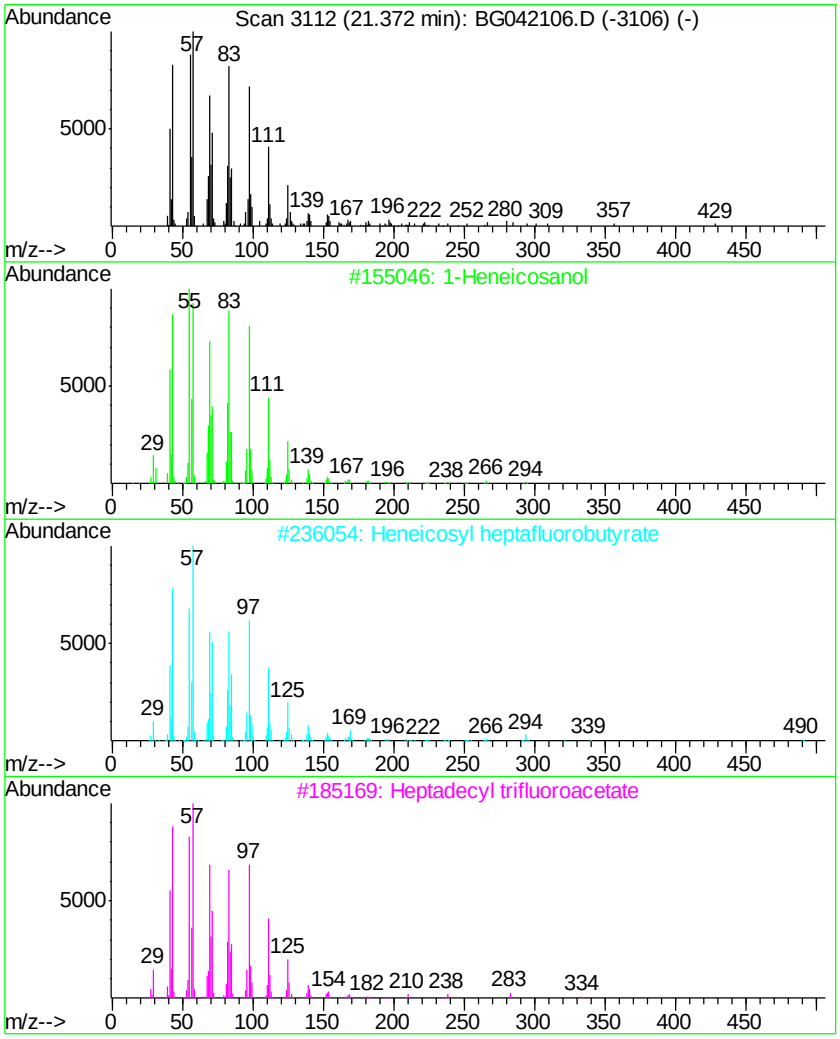
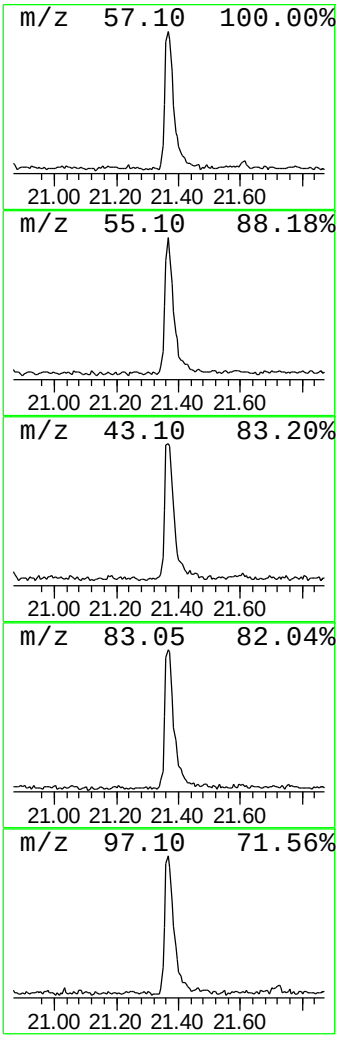
Peak Number 2 1-Heneicosanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.37	5.09 ng/ul	313726	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	95
2	Heneicosyl heptafluorobutyrate	508	C25H43F7O2	1000351-83-8	94
3	Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	94
4	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94
5	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94





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Instrument : BNA_G
ClientSampleId : BENW5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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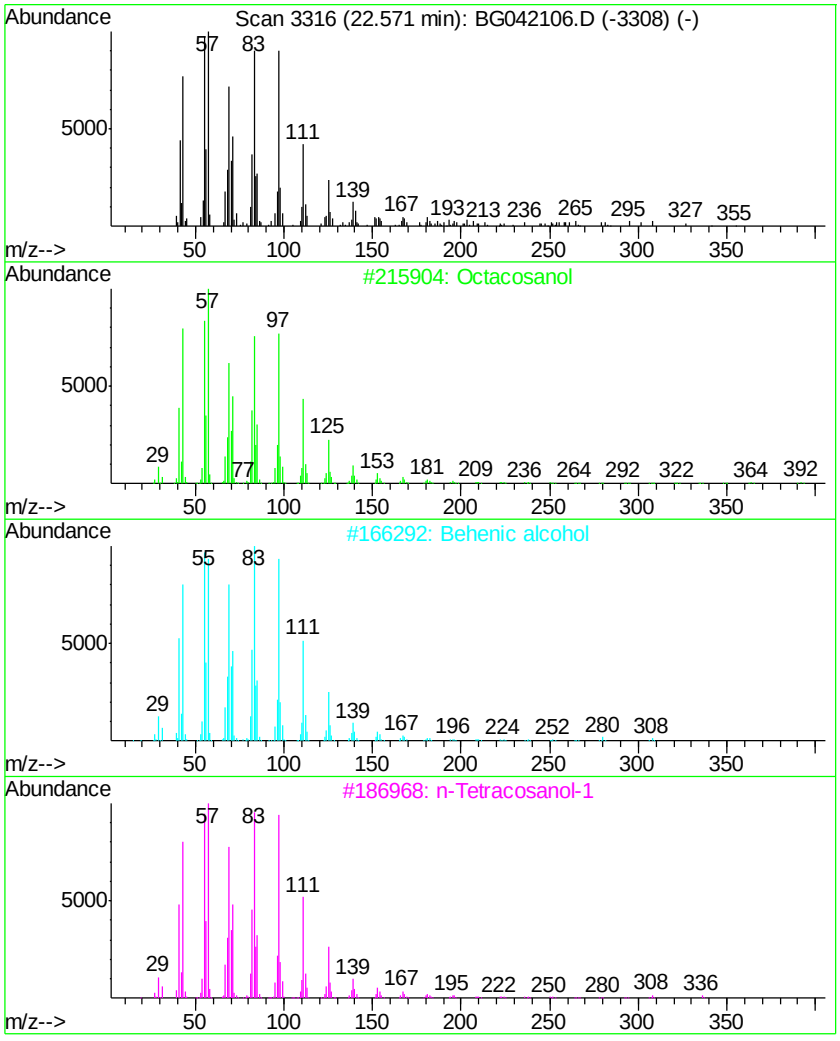
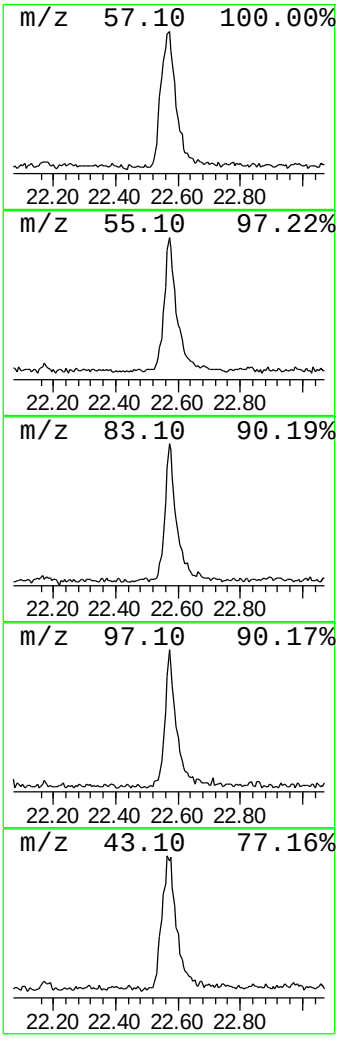
Peak Number 3 Octacosanol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.57	5.36 ng/ul	330487	Chrysene-d12	21.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosanol	410	C28H58O	000557-61-9	95
2	Behenic alcohol	326	C22H46O	000661-19-8	95
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	95
4	1-Docosene	308	C22H44	001599-67-3	94
5	1-Heneicosanol	312	C21H44O	015594-90-8	94





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Instrument : BNA_G
ClientSampleId : BENW5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

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

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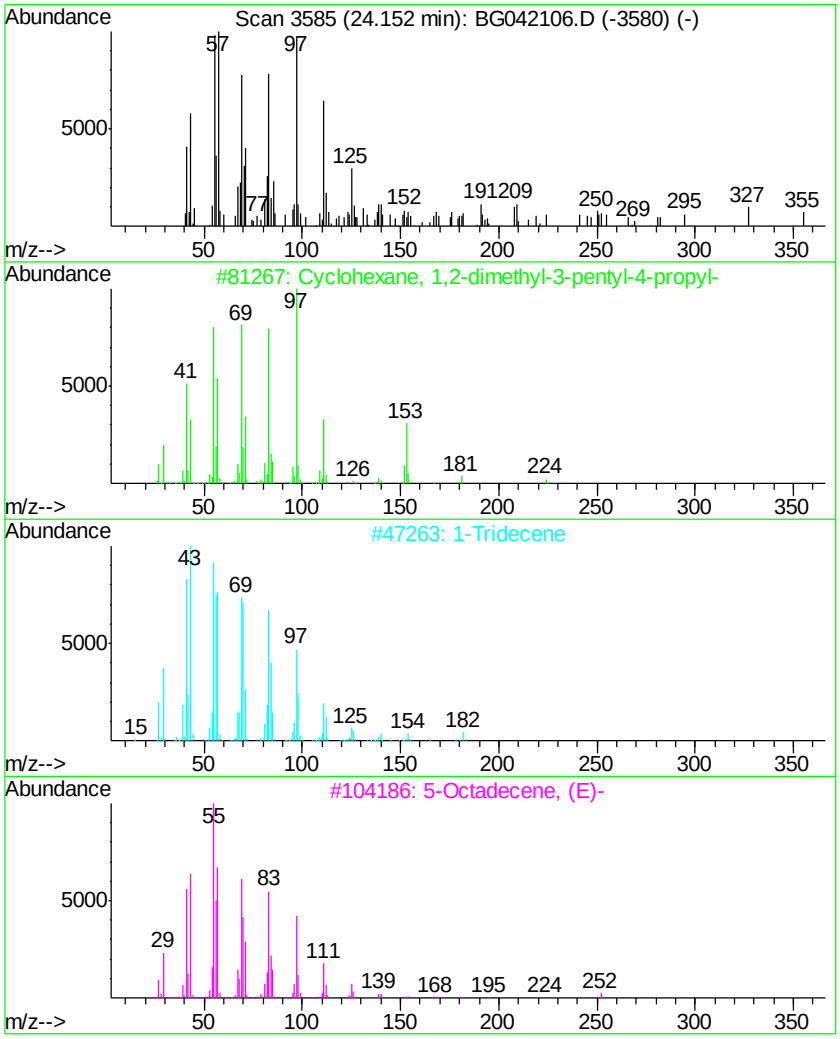
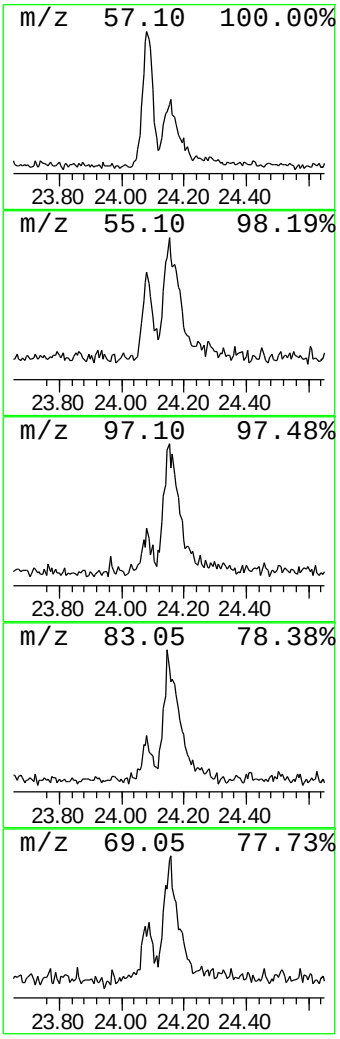
Peak Number 4 (DEL) Alkane: Cyclic24.15 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.15	2.39 ng/ul	152837	Perylene-d12	24.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-3-pent...	224	C16H32	062376-17-4	72
2	1-Tridecene	182	C13H26	002437-56-1	70
3	5-Octadecene, (E)-	252	C18H36	007206-21-5	68
4	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	64
5	n-Tetracosanol-1	354	C24H50O	000506-51-4	64





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
Butane, 2-methoxy...	3.15	116.7	ng/ul	2315830	1	8.02	396907	20.0
1-Heneicosanol	21.37	5.1	ng/ul	313726	5	21.72	1233230	20.0
Octacosanol	22.57	5.4	ng/ul	330487	5	21.72	1233230	20.0
(DEL) Alkane: Cyc...	24.15	2.4	ng/ul	152837	6	24.99	1278120	20.0