LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM101617\
Data File : BM012245.D
Acq On : 17 Oct 2017 08:56
Operator : SJ/JU
Sample : I5697-12
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : H0AB0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.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	6.969	653	660	677	rBV2	596028	1488555	36.67%	3.210%
2	7.128	677	687	700	rVB	434236	740205	18.24%	1.596%
3	7.328	713	721	736	rBV	649225	1113155	27.42%	2.401%
4	7.792	794	800	816	rVB	759383	1330341	32.78%	2.869%
5	8.510	915	922	928	rBV	645820	1117453	27.53%	2.410%
6	8.569	928	932	949	rVB	196486	373067	9.19%	0.805%
7	8.963	992	999	1010	rBV	439531	788030	19.41%	1.699%
8	9.686	1115	1122	1134	rBV	395896	722287	17.79%	1.558%
9	10.227	1207	1214	1234	rBV	666493	1265695	31.18%	2.730%
10	10.598	1268	1277	1285	rBV	916235	1577081	38.85%	3.401%
11	10.745	1292	1302	1321	rBV	590868	1203822	29.66%	2.596%
12	11.921	1495	1502	1520	rVB	156530	311991	7.69%	0.673%
13	13.310	1732	1738	1746	rBV	47297	81043	2.00%	0.175%
14	13.857	1824	1831	1835	rBV	1633838	2250317	55.44%	4.853%
15	13.904	1835	1839	1851	rVB	752617	1073204	26.44%	2.314%
16	14.145	1873	1880	1897	rVB	1781792	2641135	65.07%	5.696%
17	14.286	1898	1904	1920	rBV	88494	198411	4.89%	0.428%
18	14.451	1925	1932	1945	rVB2	1406711	2267174	55.86%	4.889%
19	14.686	1966	1972	1990	rBV	242473	615648	15.17%	1.328%
20	15.192	2053	2058	2064	rBV3	27159	50889	1.25%	0.110%
21	15.445	2094	2101	2110	rBV	2284542	3333458	82.13%	7.189%
22	15.592	2121	2126	2137	rBV	213755	368178	9.07%	0.794%
23	15.680	2137	2141	2148	rVB2	27865	48048	1.18%	0.104%
24	15.809	2156	2163	2174	rBV	848185	1214015	29.91%	2.618%
25	17.198	2393	2399	2408	rBV	1745770	2511334	61.87%	5.416%
26	17.298	2410	2416	2431	rVV2	2490183	3649969	89.92%	7.872%
27	17.956	2523	2528	2535	rBV7	38571	71274	1.76%	0.154%
28	18.074	2542	2548	2558	rBV	546263	809140	19.93%	1.745%
29	19.233	2737	2745	2749	rBV4	65239	166645	4.11%	0.359%
30	19.350	2761	2765	2776	rBV	383267	618327	15.23%	1.333%
31	19.592	2800	2806	2815	rBV	3044620	4058998	100.00%	8.754%
32	21.062	3053	3056	3062	rBV	212207	281178	6.93%	0.606%
33	21.380	3105	3110	3118	rBV	1745860	2302787	56.73%	4.966%
34	23.538	3470	3477	3488	rVB	1800473	3525509	86.86%	7.603%

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Title : SVOA CALIBRATION

35	23.680	3496	3501	3512	rVB	1114247	2200557	54.21%	4.746%

Sum of corrected areas: 46368920

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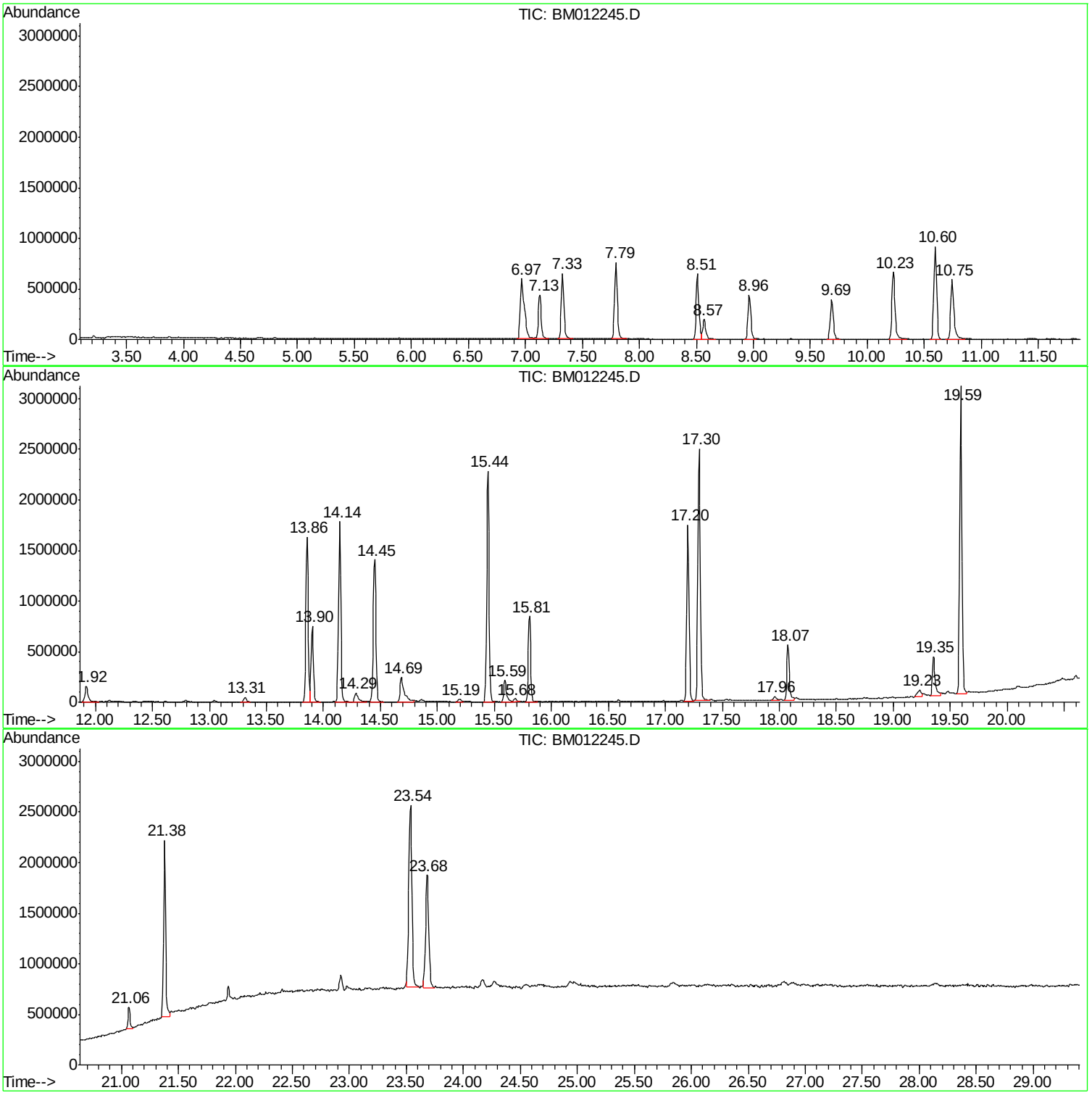
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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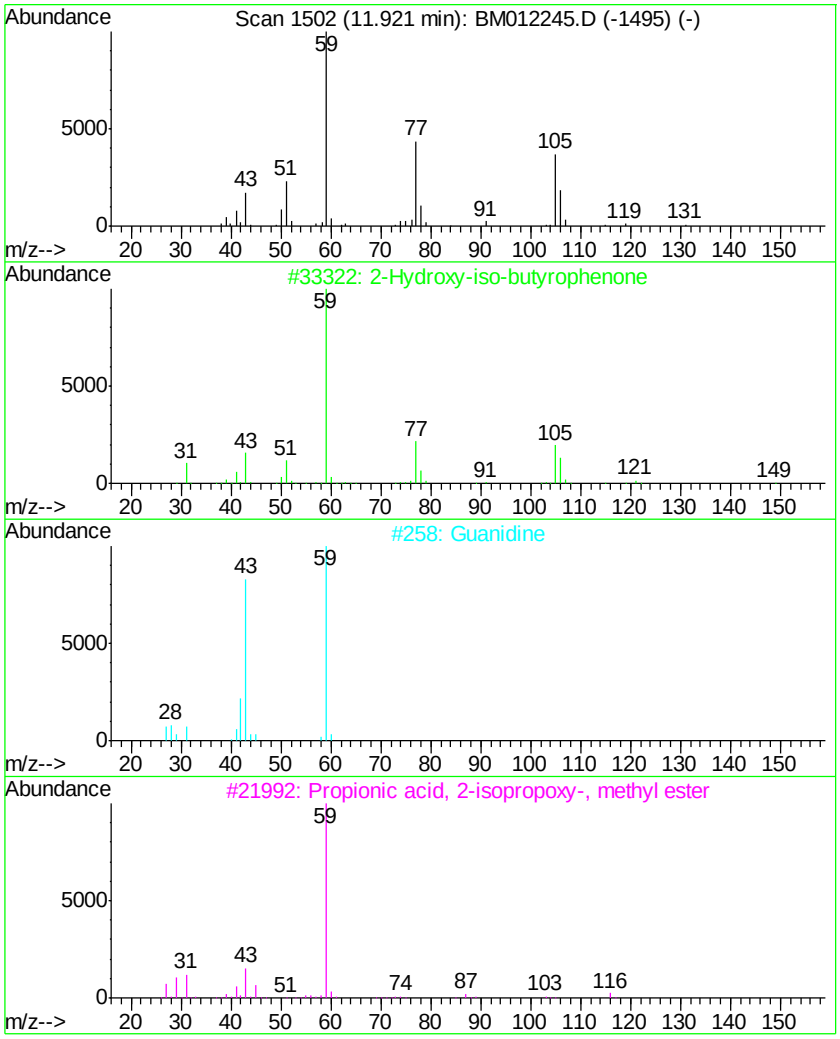
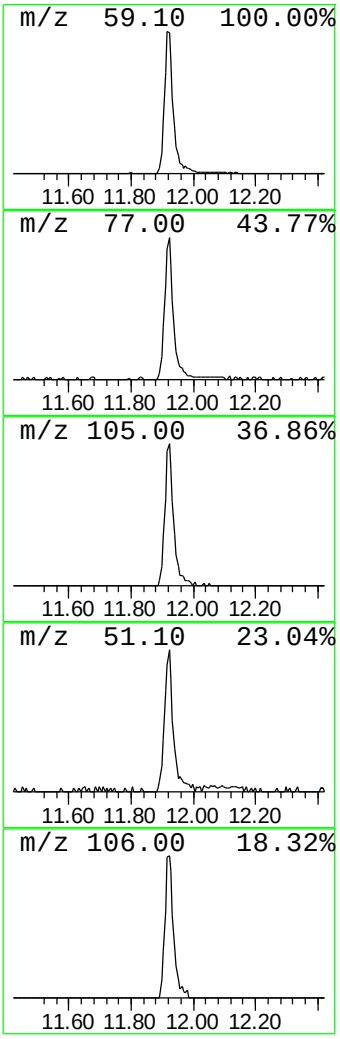
Peak Number 1 2-Hydroxy-iso-butyrophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	3.96 ng/ul	311991	Naphthalene-d8	10.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hydroxy-iso-butyrophenone	164	C10H12O2	007473-98-5	64
2	Guanidine	59	CH5N3	000113-00-8	9
3	Propionic acid, 2-isopropoxy-, m...	146	C7H14O3	1000151-15-1	9
4	2-Butanol, 3-methoxy-	104	C5H12O2	053778-72-6	7
5	Pentanamide, 4-methyl-	115	C6H13NO	001119-29-5	7





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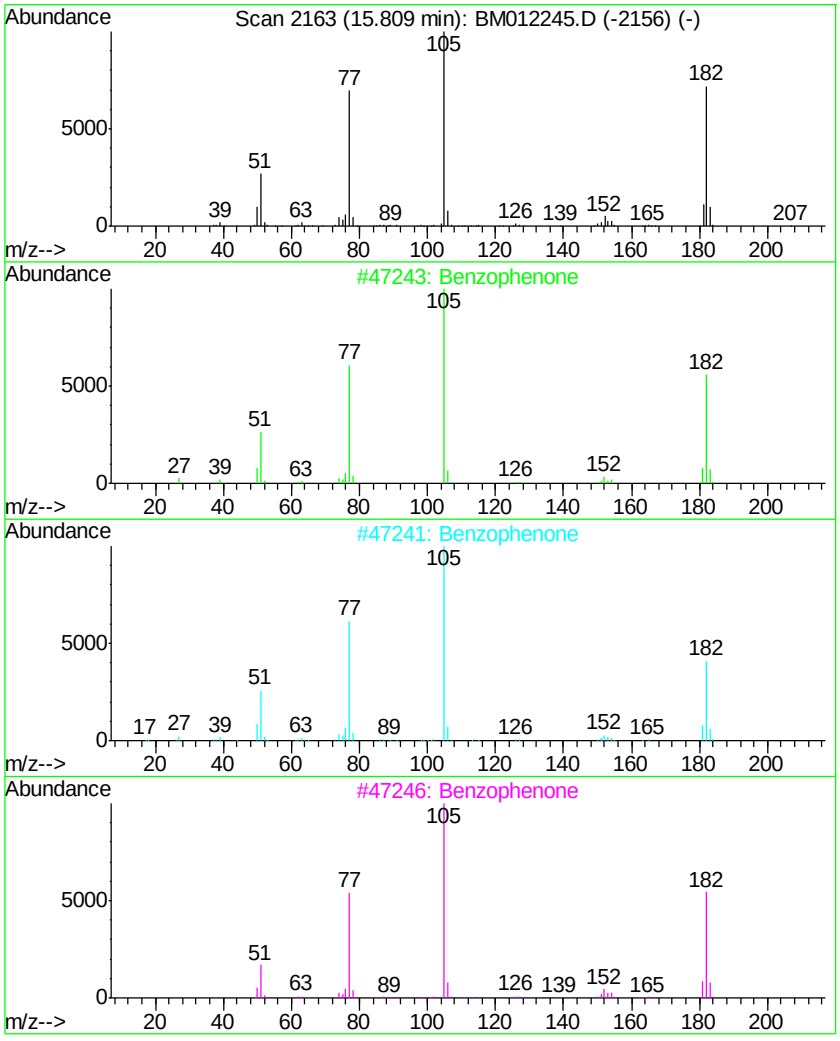
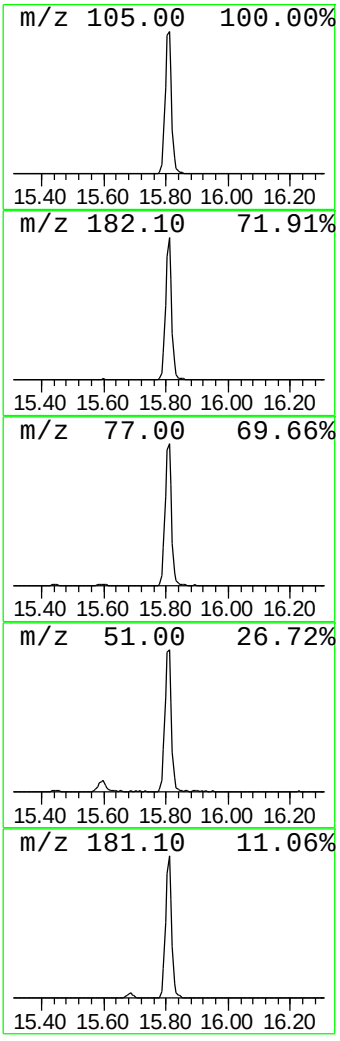
Peak Number 2 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	10.71 ng/ul	1214020	Acenaphthene-d10	14.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzophenone	182	C13H10O	000119-61-9	96
3	Benzophenone	182	C13H10O	000119-61-9	95
4	Benzophenone	182	C13H10O	000119-61-9	91
5	Azobenzene	182	C12H10N2	000103-33-3	58





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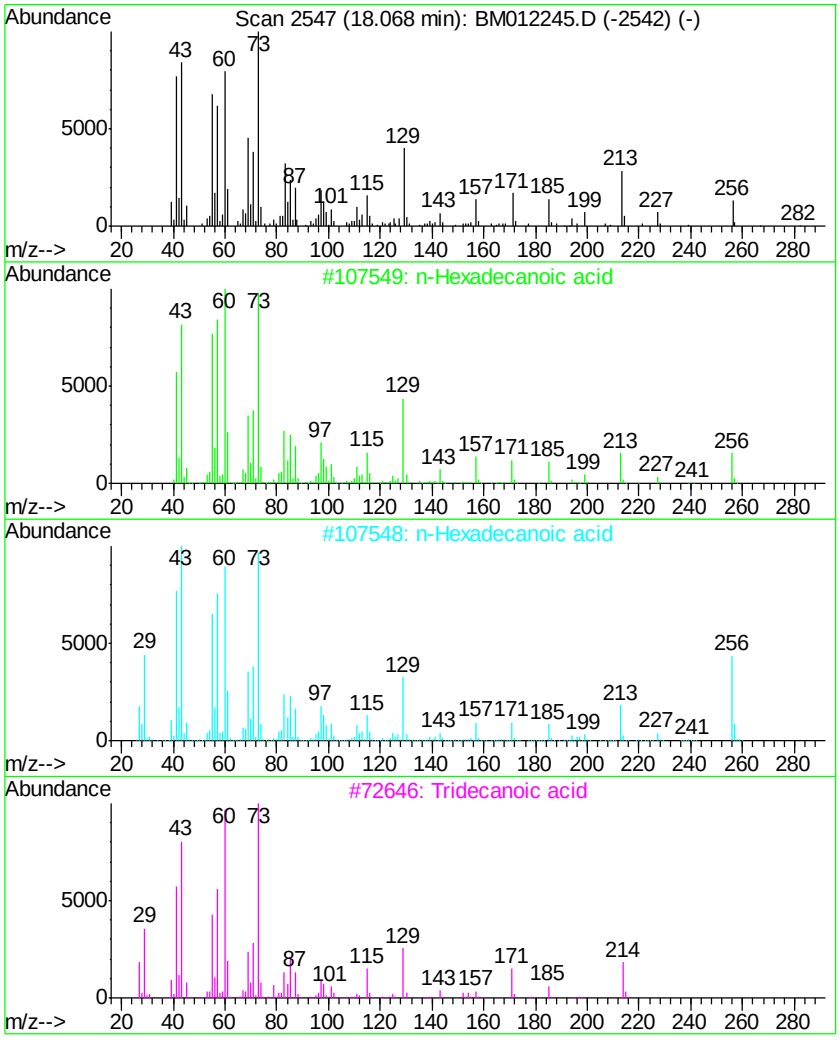
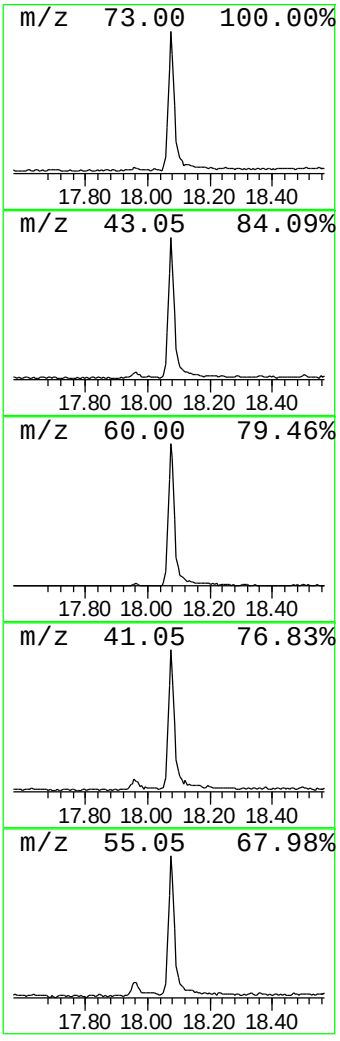
Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	6.44 ng/ul	809140	Phenanthrene-d10	17.20

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	98
3	Tridecanoic acid	214	C13H26O2	000638-53-9	91
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
5	Octadecanoic acid	284	C18H36O2	000057-11-4	81





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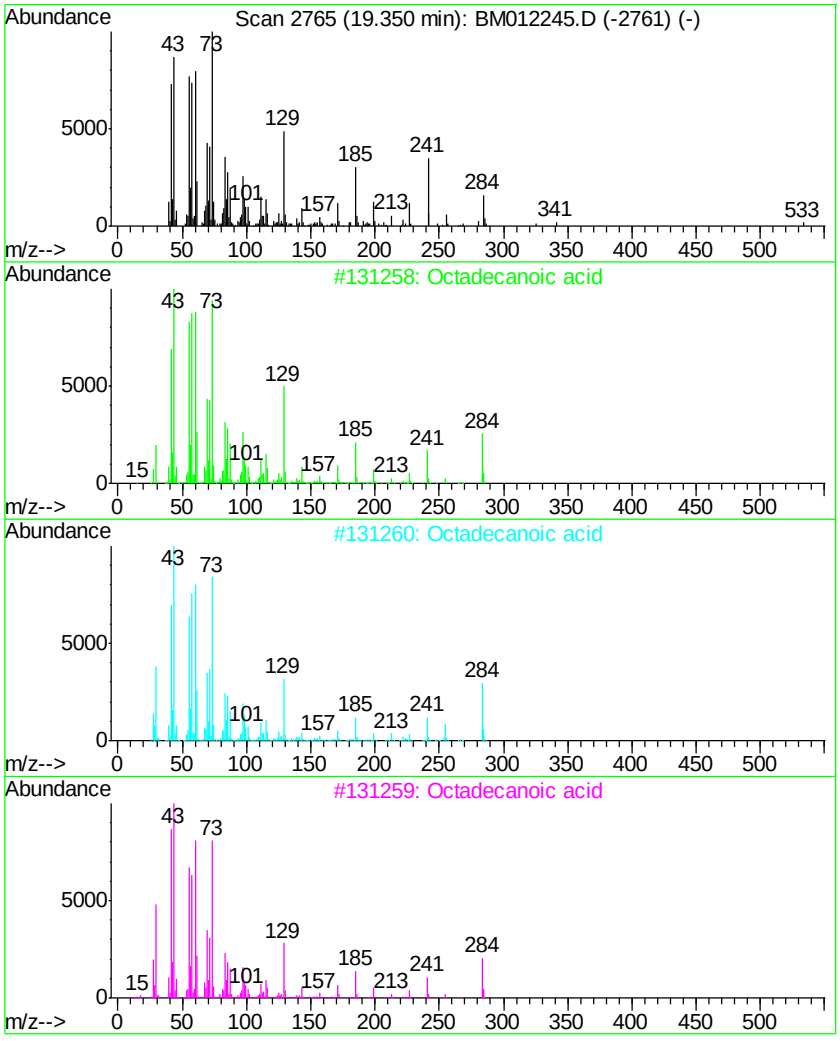
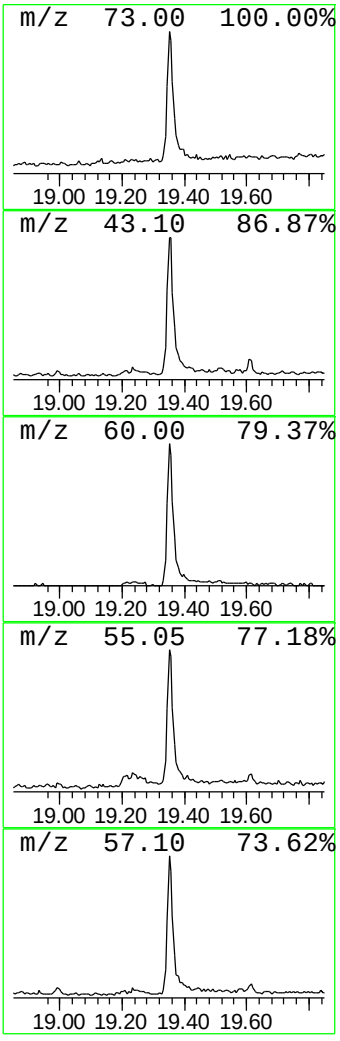
Peak Number 4 Octadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.35	5.37 ng/ul	618327	Chrysene-d12	21.38

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	98
3	Octadecanoic acid	284	C18H36O2	000057-11-4	98
4	Octadecanoic acid	284	C18H36O2	000057-11-4	97
5	Octadecanoic acid	284	C18H36O2	000057-11-4	95





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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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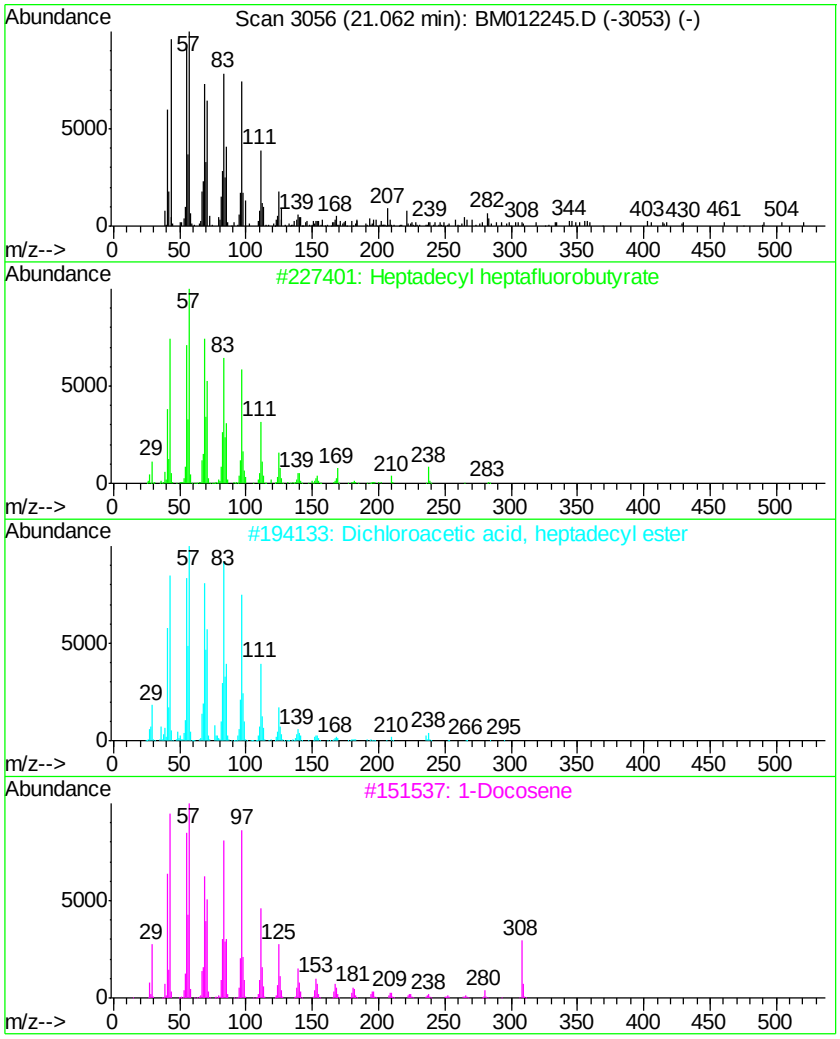
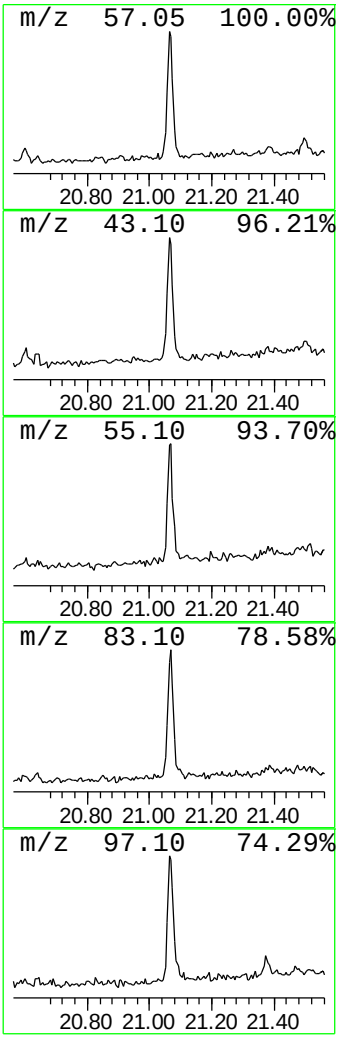
Peak Number 5 Heptadecyl heptafluorobutyrate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.06	2.44 ng/ul	281178	Chrysene-d12	21.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
2	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	94
3	1-Docosene	308	C22H44	001599-67-3	94
4	1-Heneicosanol	312	C21H44O	015594-90-8	93
5	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	93





Tentatively Identified Compound (LSC) summary

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					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Hydroxy-iso-but...	11.92	4.0	ng/ul	311991	2	10.60	1577080	20.0
Benzophenone	15.81	10.7	ng/ul	1214020	3	14.45	2267170	20.0
n-Hexadecanoic acid	18.07	6.4	ng/ul	809140	4	17.20	2511330	20.0
Octadecanoic acid	19.35	5.4	ng/ul	618327	5	21.38	2302790	20.0
Heptadecyl heptaf...	21.06	2.4	ng/ul	281178	5	21.38	2302790	20.0