LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112717\
Data File : BM013122.D
Acq On : 27 Nov 2017 21:59
Operator : SJ/JU
Sample : I6496-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB7

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-BM111617.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	6.893	640	647	658	rVB2	529627	969579	17.72%	1.534%
2	7.046	667	673	685	rVB	417752	642030	11.74%	1.016%
3	7.246	700	707	716	rVB	541876	851282	15.56%	1.346%
4	7.705	778	785	794	rBV	823829	1334645	24.39%	2.111%
5	8.416	901	906	914	rVB	573211	943998	17.25%	1.493%
6	8.857	973	981	991	rBV	622963	1004430	18.36%	1.589%
7	9.575	1096	1103	1112	rBV	538277	853886	15.61%	1.351%
8	10.116	1188	1195	1206	rBV	855609	1404181	25.67%	2.221%
9	10.487	1251	1258	1266	rBV	1254863	2023330	36.98%	3.200%
10	10.628	1275	1282	1295	rBV	650506	1113076	20.34%	1.761%
11	13.334	1734	1742	1747	rBV	116550	168398	3.08%	0.266%
12	13.669	1796	1799	1803	rVB4	37735	55328	1.01%	0.088%
13	13.763	1808	1815	1819	rVV	1918775	2670723	48.82%	4.224%
14	13.810	1819	1823	1831	rVB	309950	441461	8.07%	0.698%
15	14.039	1853	1862	1870	rBV	1926549	2907605	53.15%	4.599%
16	14.257	1893	1899	1903	rBV	79877	101693	1.86%	0.161%
17	14.345	1907	1914	1923	rVV2	1893939	2873221	52.52%	4.545%
18	14.569	1943	1952	1958	rBV	817053	1235028	22.57%	1.953%
19	14.622	1958	1961	1966	rVB3	101238	135608	2.48%	0.214%
20	15.210	2057	2061	2068	rVB	103605	131596	2.41%	0.208%
21	15.339	2075	2083	2091	rBV	2556025	3726029	68.10%	5.893%
22	15.457	2097	2103	2116	rBV	790631	1135116	20.75%	1.795%
23	15.581	2119	2124	2129	rBV3	31221	58747	1.07%	0.093%
24	16.075	2203	2208	2216	rBV2	86015	132714	2.43%	0.210%
25	17.092	2374	2381	2388	rBV2	2615550	3650629	66.73%	5.774%
26	17.192	2392	2398	2404	rVB	3125288	4315525	78.88%	6.826%
27	18.004	2530	2536	2544	rBV	586376	837747	15.31%	1.325%
28	18.892	2679	2687	2691	rBV	25399	57937	1.06%	0.092%
29	19.116	2719	2725	2726	rBV3	70839	98382	1.80%	0.156%
30	19.151	2728	2731	2735	rVB	88511	127934	2.34%	0.202%
31	19.280	2749	2753	2760	rBV	532180	712063	13.02%	1.126%
32	19.486	2782	2788	2796	rBV	4028431	5471044	100.00%	8.654%
33	20.010	2873	2877	2881	rBV3	119921	163138	2.98%	0.258%
34	20.574	2969	2973	2977	rVB	103153	130485	2.39%	0.206%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I6496-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB7

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-BM111617.M
Title : SVOA CALIBRATION

35	20.998	3041	3045	3052	rBV	832271	1085569	19.84%	1.717%
36	21.274	3086	3092	3105	rBV	3556021	4672213	85.40%	7.390%
37	21.445	3115	3121	3124	rBV6	70132	135738	2.48%	0.215%
38	21.698	3161	3164	3170	rBV	126699	163006	2.98%	0.258%
39	21.880	3190	3195	3204	rBV2	314591	673798	12.32%	1.066%
40	22.845	3354	3359	3363	rBV2	482401	762575	13.94%	1.206%
41	22.886	3363	3366	3375	rVB3	424642	672513	12.29%	1.064%
42	23.362	3440	3447	3453	rBV2	2939895	5461302	99.82%	8.638%
43	23.504	3464	3471	3480	rVB2	2204027	4096824	74.88%	6.480%
44	23.721	3503	3508	3516	rVB2	226808	399375	7.30%	0.632%
45	24.051	3560	3564	3572	rVB3	281467	547469	10.01%	0.866%
46	24.139	3574	3579	3593	rVB4	304702	650934	11.90%	1.030%
47	25.245	3762	3767	3774	rBV6	148767	352999	6.45%	0.558%
48	25.674	3835	3840	3846	rVB6	151660	360020	6.58%	0.569%
49	26.545	3982	3988	3998	rVB8	237967	710011	12.98%	1.123%

Sum of corrected areas: 63222934

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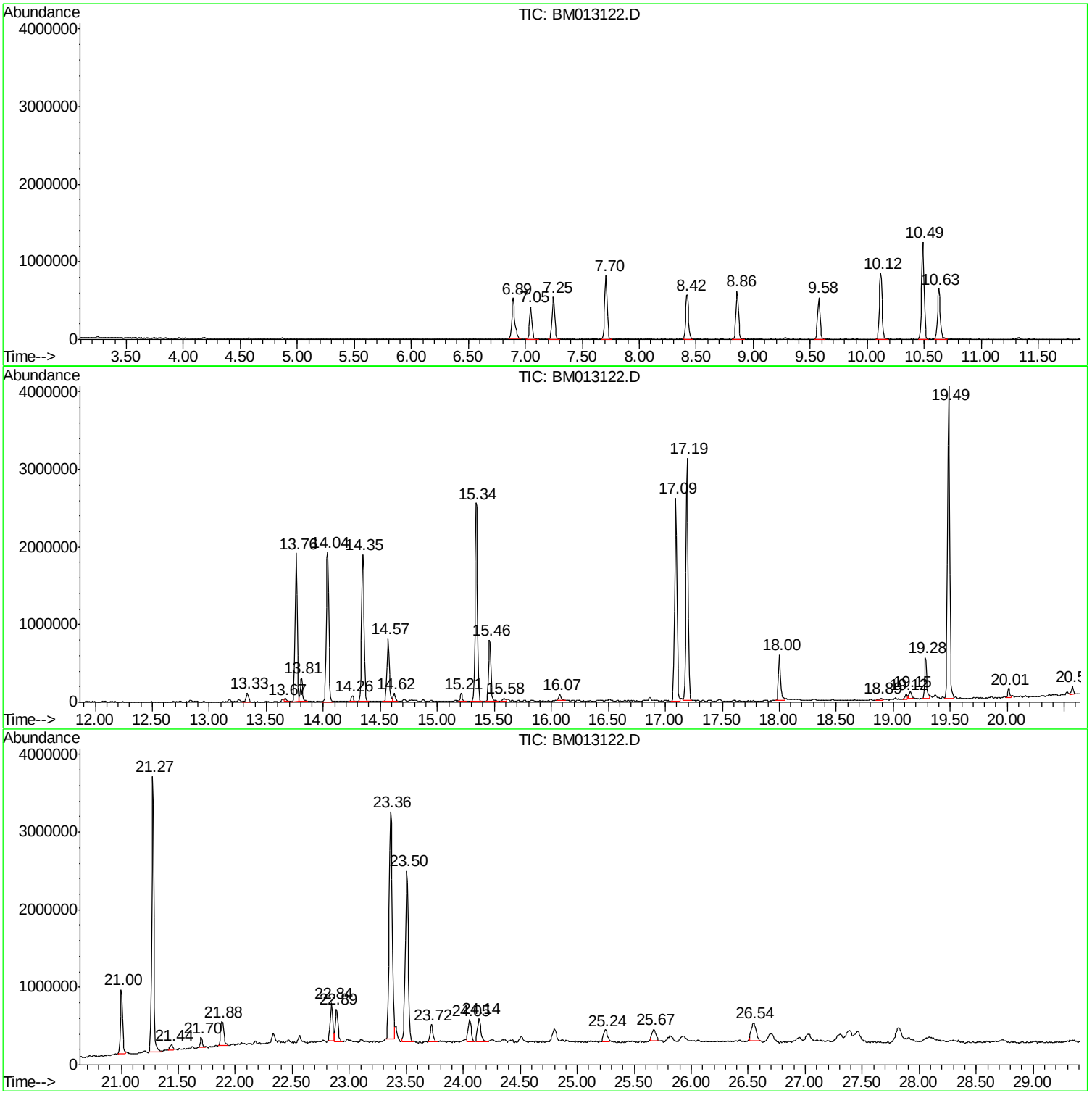
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

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

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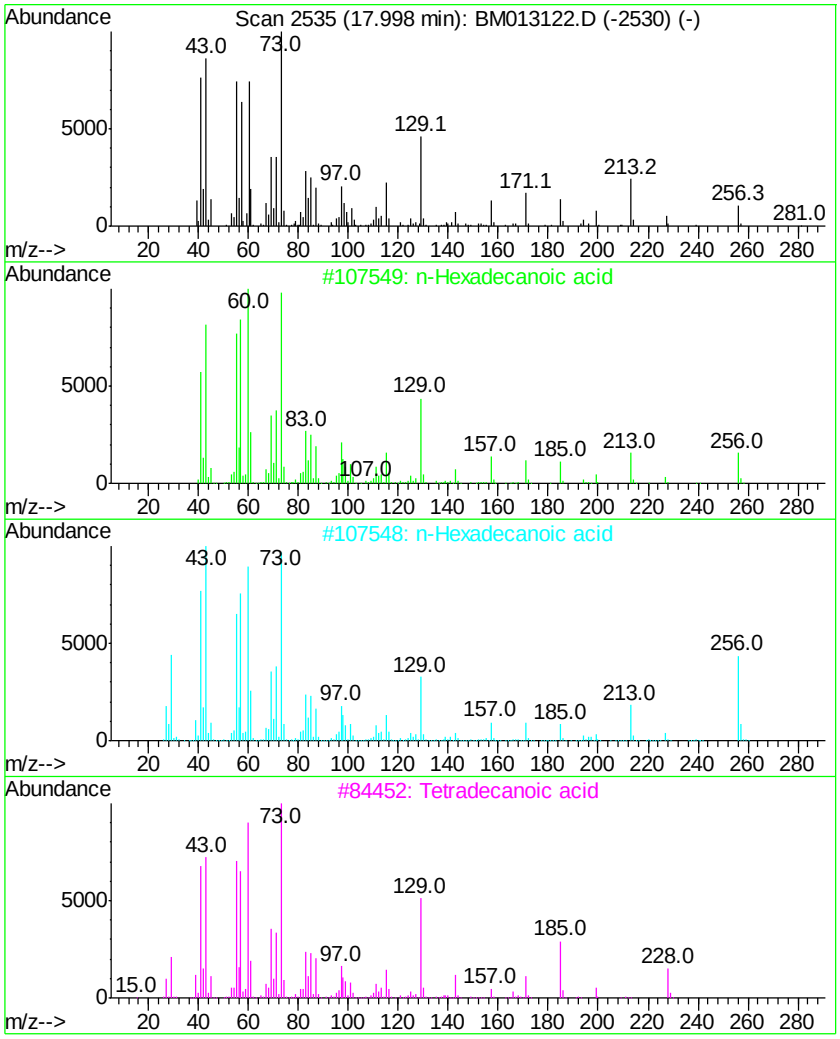
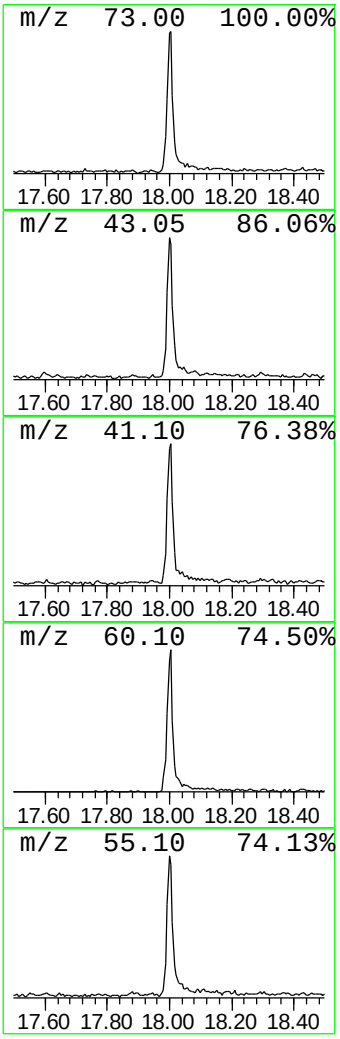
Peak Number 1 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	4.59 ng/ul	837747	Phenanthrene-d10	17.09

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	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
4	Tridecanoic acid	214	C13H26O2	000638-53-9	89
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	87





Library Search Compound Report

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Operator : SJ/JU
Sample : I6496-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

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

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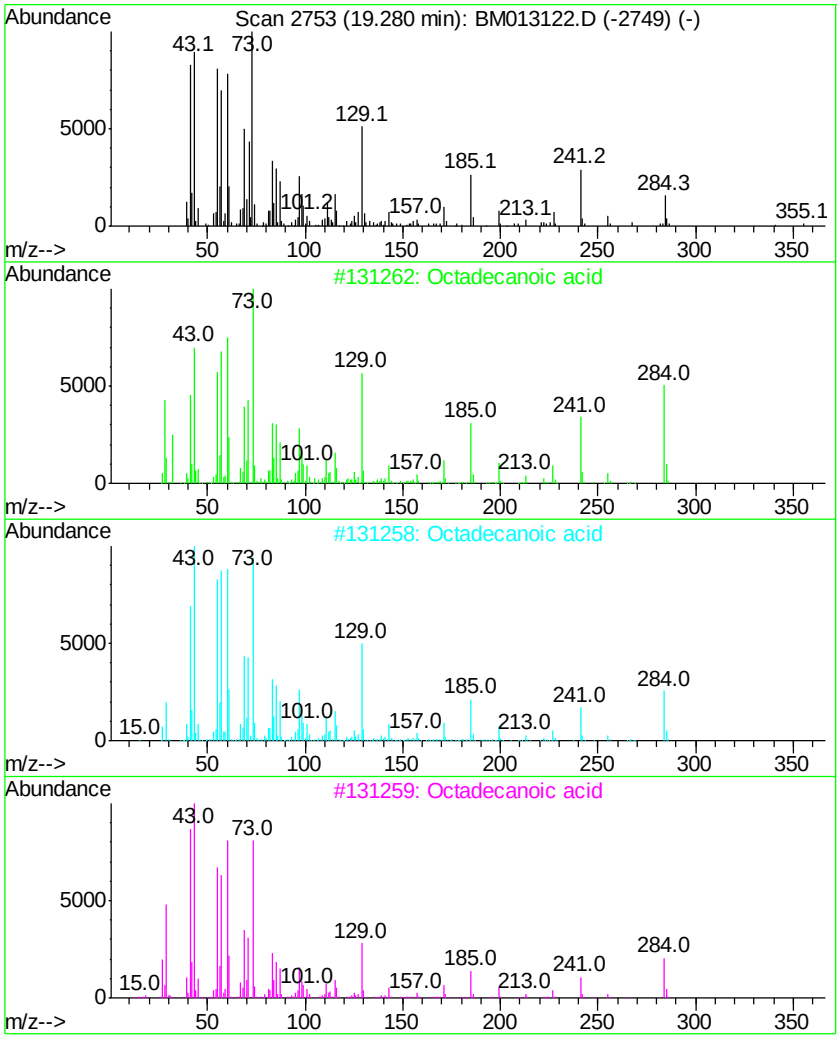
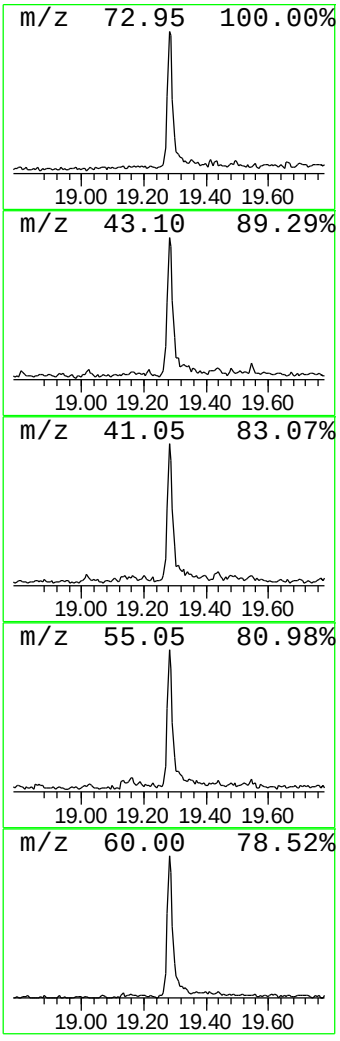
Peak Number 2 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.28	3.05 ng/ul	712063	Chrysene-d12	21.27

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	99
3	Octadecanoic acid	284	C18H36O2	000057-11-4	99
4	Octadecanoic acid	284	C18H36O2	000057-11-4	99
5	Octadecanoic acid	284	C18H36O2	000057-11-4	93





Data Path : Z:\HPCHEM1\BNA M\DATA\BM112717\
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Sample : I6496-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

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

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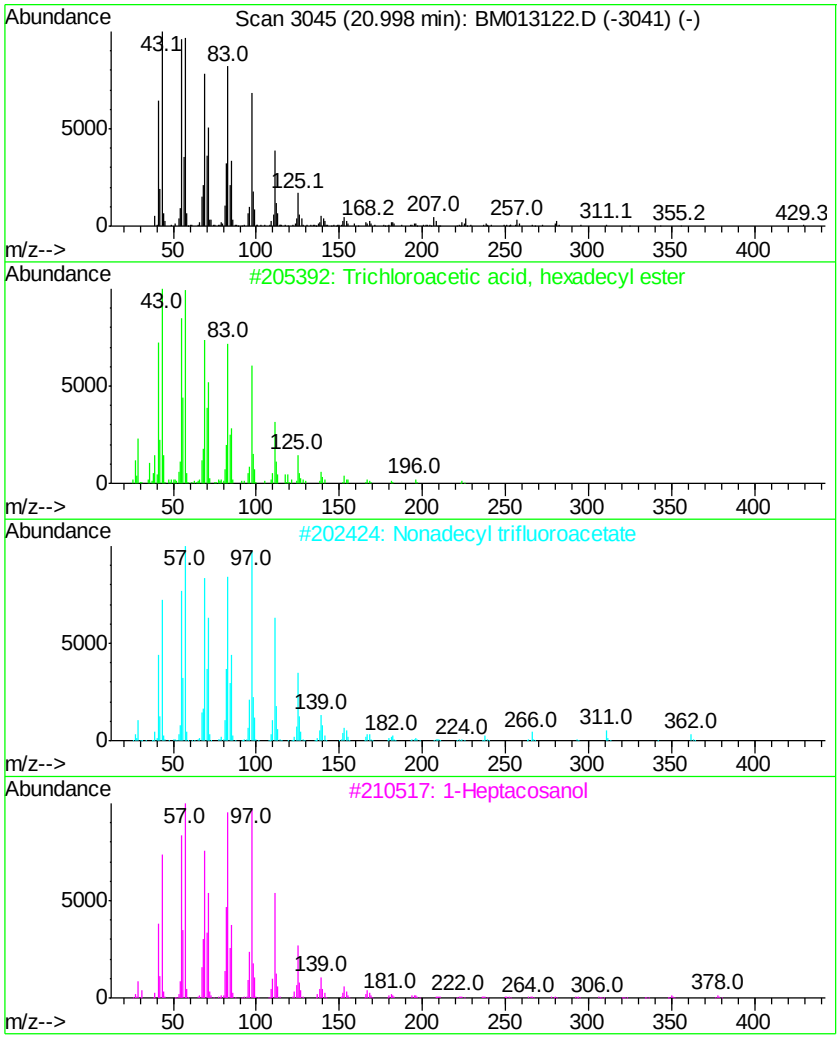
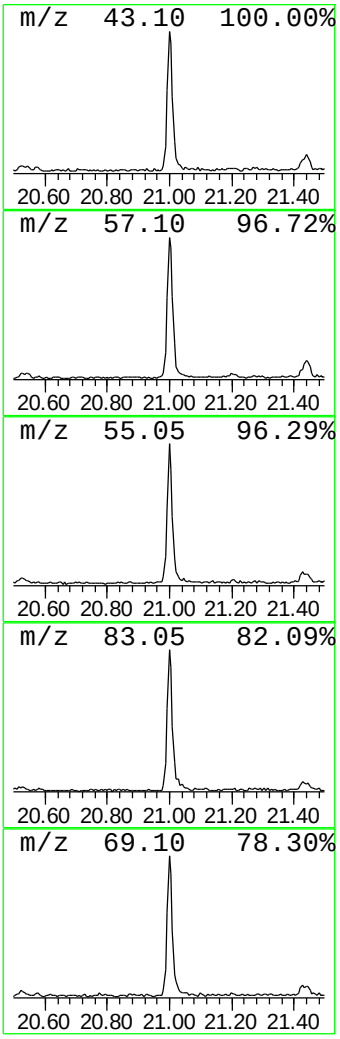
Peak Number 3 Trichloroacetic acid, hexad... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.00	4.65 ng/ul	1085570	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	94
2	Nonadecyl trifluoroacetate	380	C21H39F3O2	1000351-76-3	91
3	1-Heptacosanol	396	C27H56O	002004-39-9	91
4	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	91
5	Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	91





Library Search Compound Report

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ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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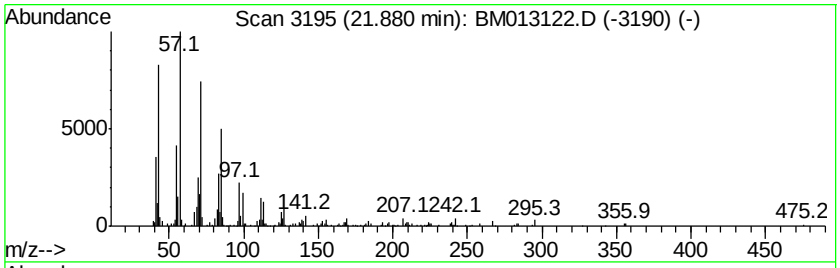
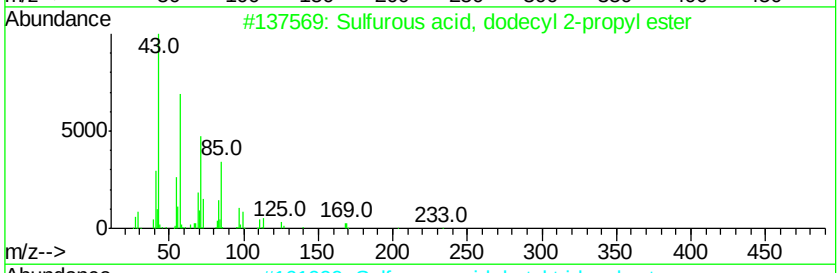
****

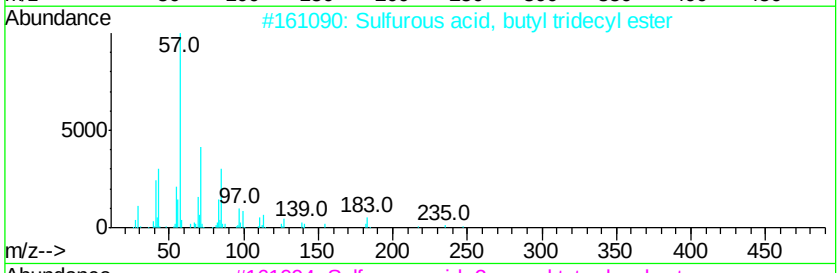
Peak Number 4 Sulfurous acid, dodecyl 2-p... Concentration Rank 8

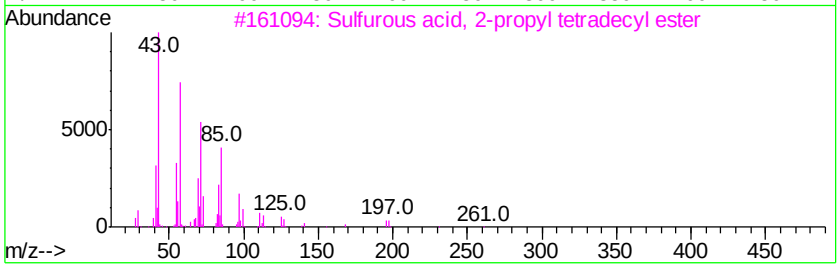
R.T.	EstConc	Area	Relative to ISTD	R.T.
21.88	2.88 ng/ul	673798	Chrysene-d12	21.27

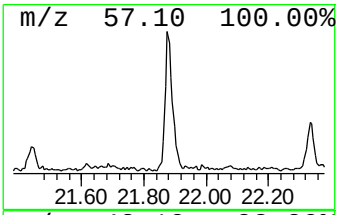
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, dodecyl 2-propyl...	292	C15H32O3S	1000309-12-3	91
2	Sulfurous acid, butyl tridecyl e...	320	C17H36O3S	1000309-18-0	91
3	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	91
4	Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	91
5	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	91

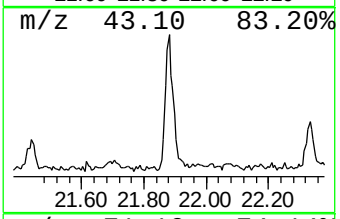


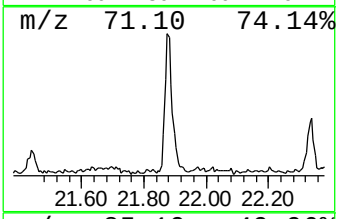


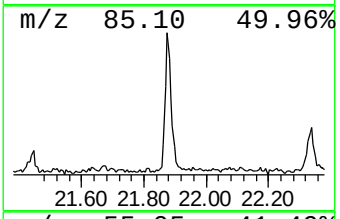


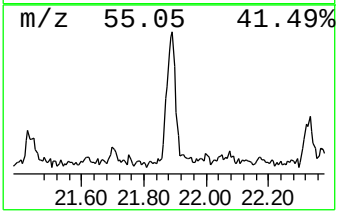












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Quant Title : SVOA CALIBRATION

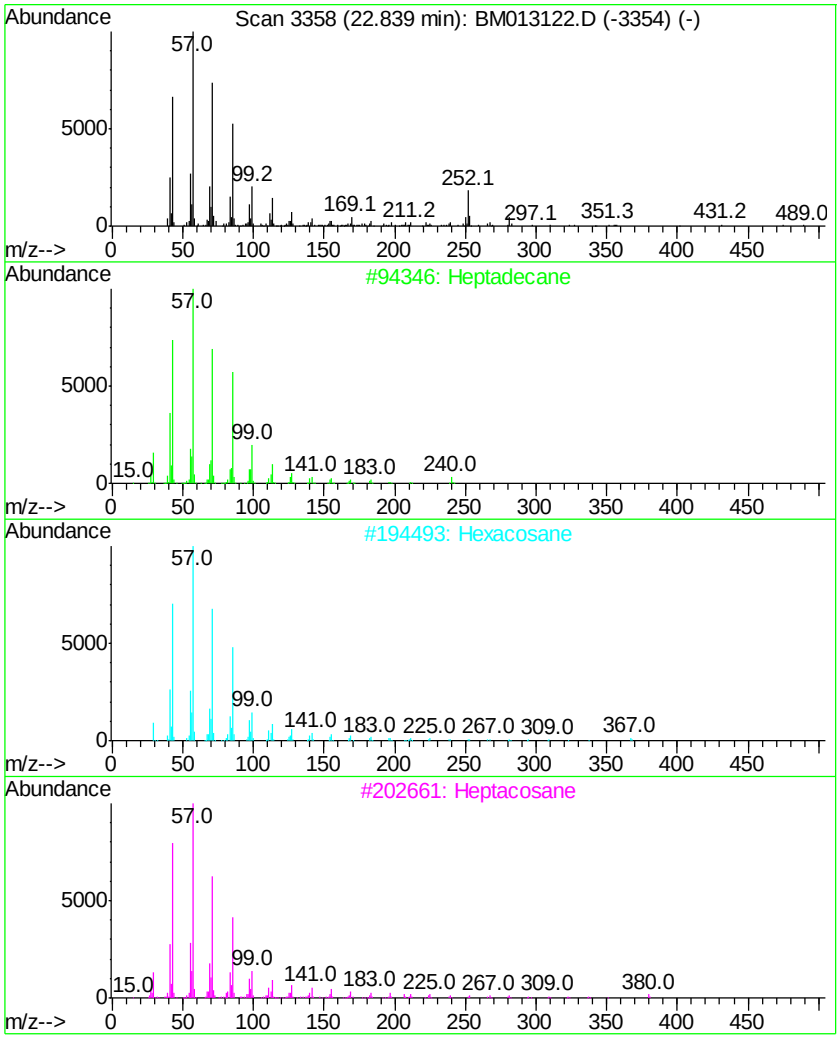
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

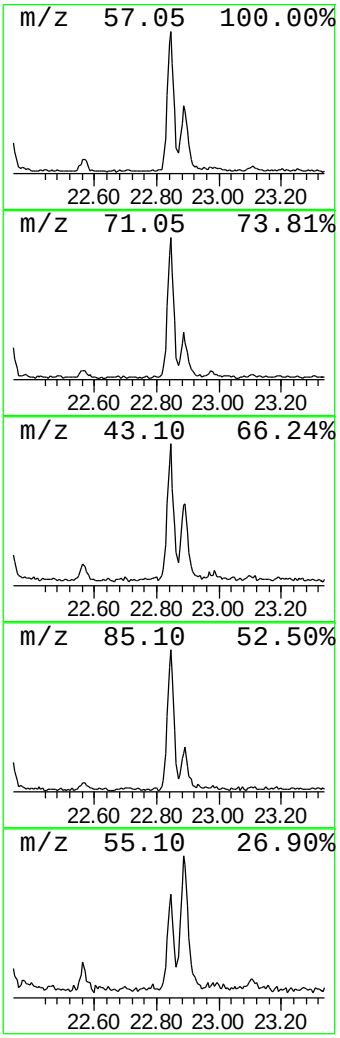
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.84	3.72 ng/ul	762575	Perylene-d12	23.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	93
2	Hexacosane	366	C26H54	000630-01-3	90
3	Heptacosane	380	C27H56	000593-49-7	90
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	87
5	2-methyloctacosane	408	C29H60	1000376-72-8	87





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Quant Title : SVOA CALIBRATION

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

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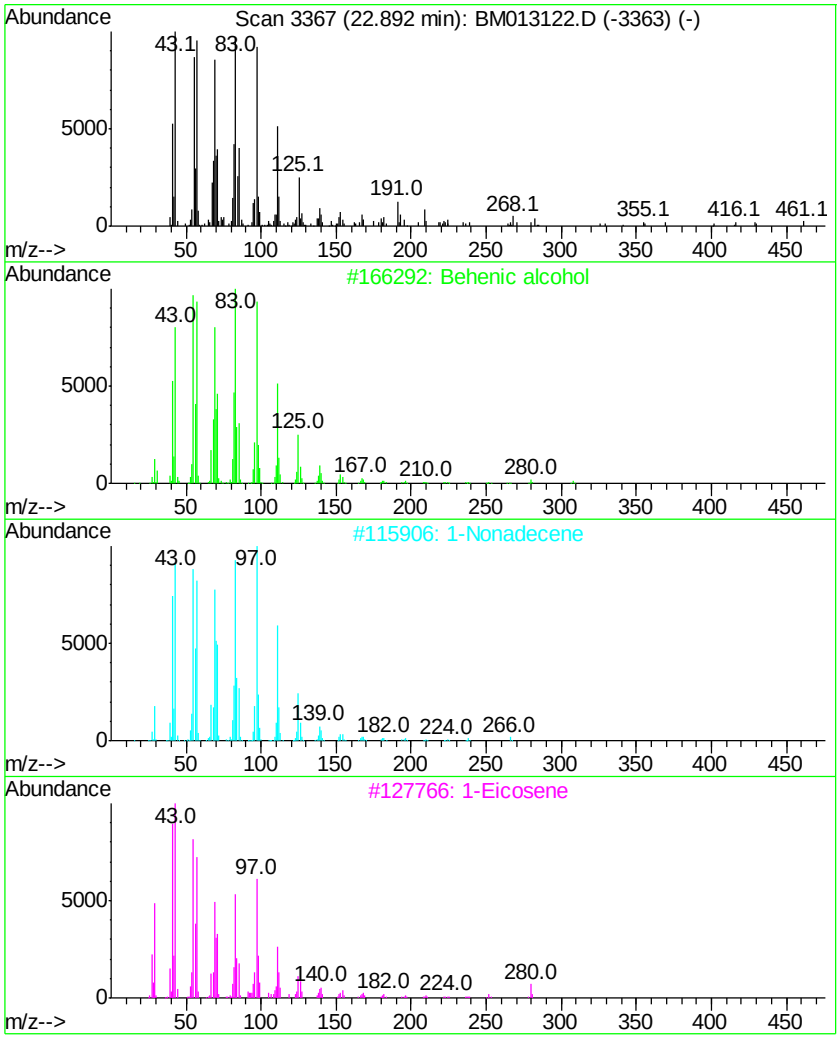
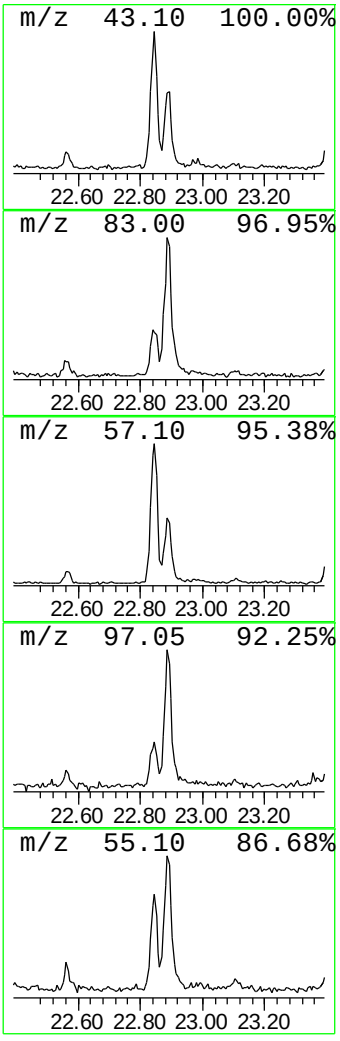
Peak Number 6 Behenic alcohol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.89	3.28 ng/ul	672513	Perylene-d12	23.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Behenic alcohol	326	C22H46O	000661-19-8	94
2	1-Nonadecene	266	C19H38	018435-45-5	94
3	1-Eicosene	280	C20H40	003452-07-1	93
4	1-Heneicosanol	312	C21H44O	015594-90-8	91
5	1-Heptacosanol	396	C27H56O	002004-39-9	91





Data Path : Z:\HPCHEM1\BNA M\DATA\BM112717\
Data File : BM013122.D
Acq On : 27 Nov 2017 21:59
Operator : SJ/JU
Sample : I6496-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

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

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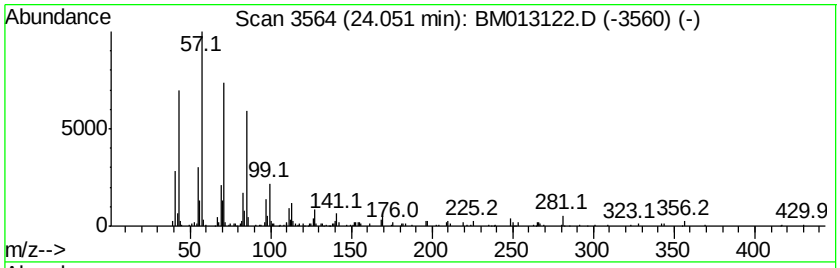
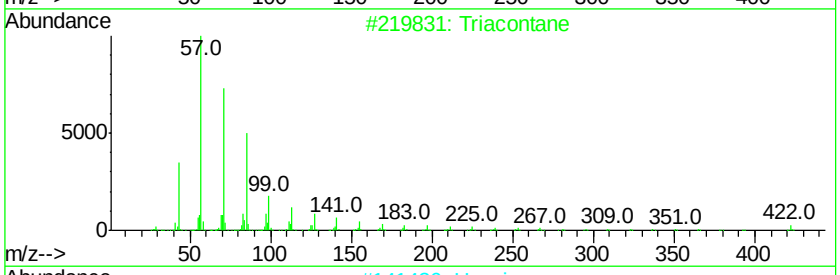
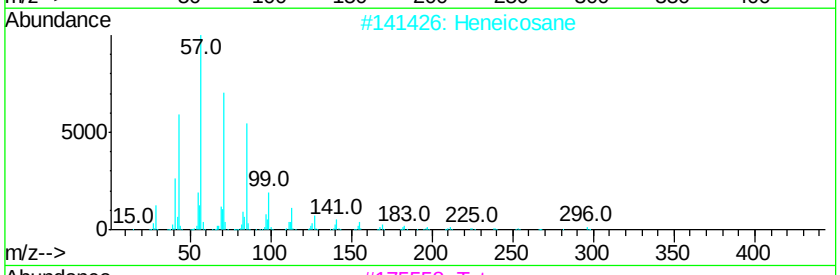
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 9

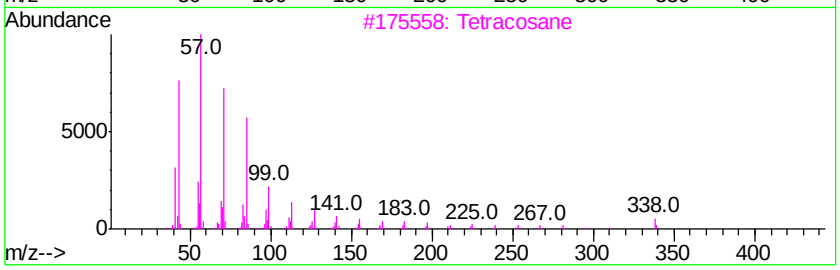
R.T.	EstConc	Area	Relative to ISTD	R.T.
24.05	2.67 ng/ul	547469	Perylene-d12	23.50

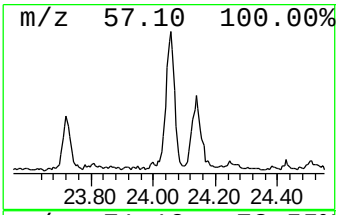
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triacontane	422	C30H62	000638-68-6	87
2	Heneicosane	296	C21H44	000629-94-7	87
3	Tetracosane	338	C24H50	000646-31-1	87
4	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	87
5	Hentriacontane	437	C31H64	000630-04-6	87

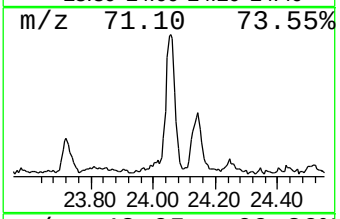


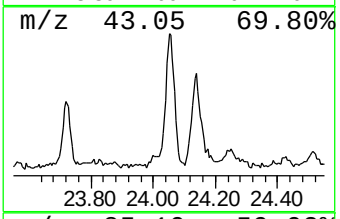


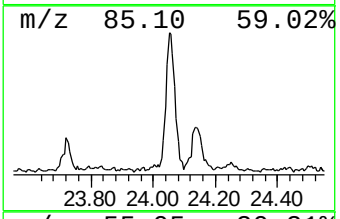


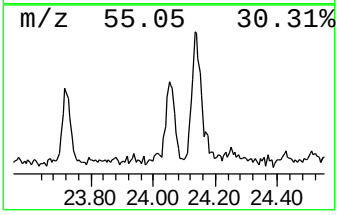












Data Path : Z:\HPCHEM1\BNA M\DATA\BM112717\
Data File : BM013122.D
Acq On : 27 Nov 2017 21:59
Operator : SJ/JU
Sample : I6496-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

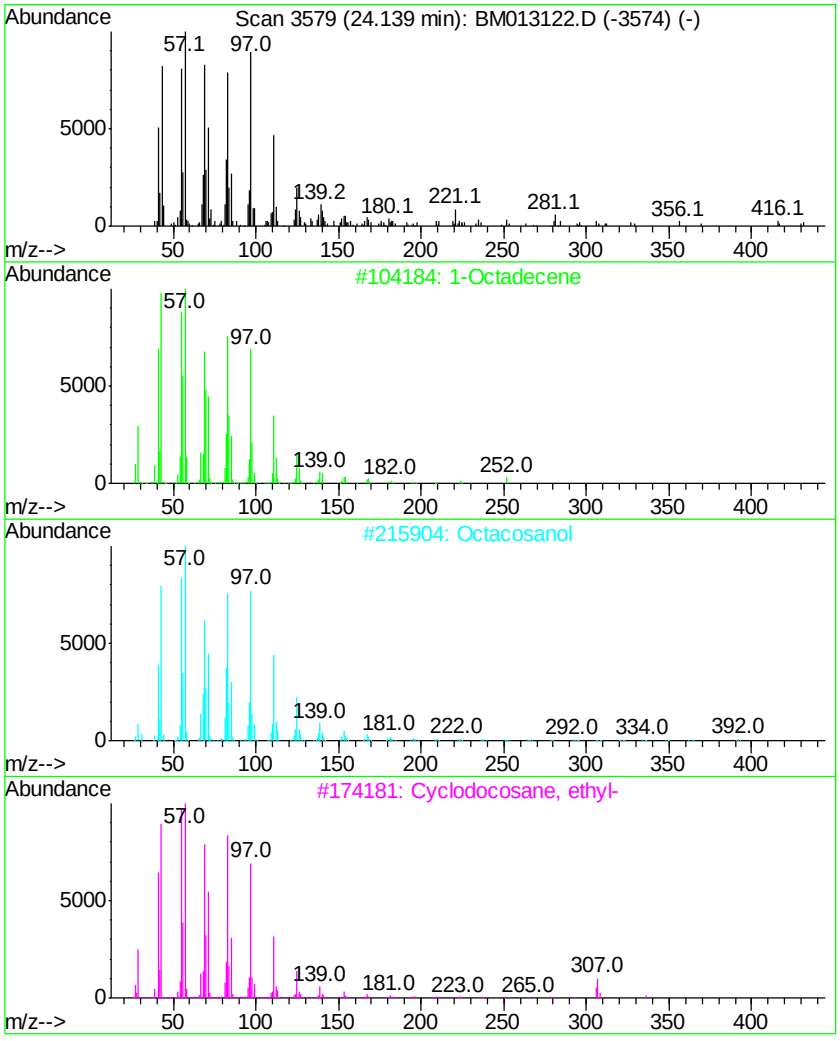
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

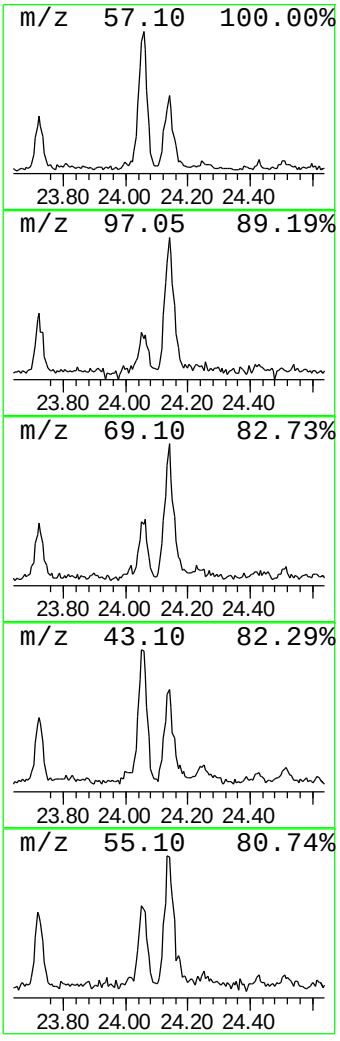
****

Peak Number 8 (DEL) Alkane: Cyclic24.14 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.14	3.18 ng/ul	650934	Perylene-d12	23.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecene	252	C18H36	000112-88-9	93
2	Octacosanol	410	C28H58O	000557-61-9	89
3	Cyclodocosane, ethyl-	336	C24H48	1000151-22-6	86
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	76
5	Cyclohexane, 1,2-dimethyl-3-pent...	224	C16H32	062376-17-4	68





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112717\
Data File : BM013122.D
Acq On : 27 Nov 2017 21:59
Operator : SJ/JU
Sample : I6496-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

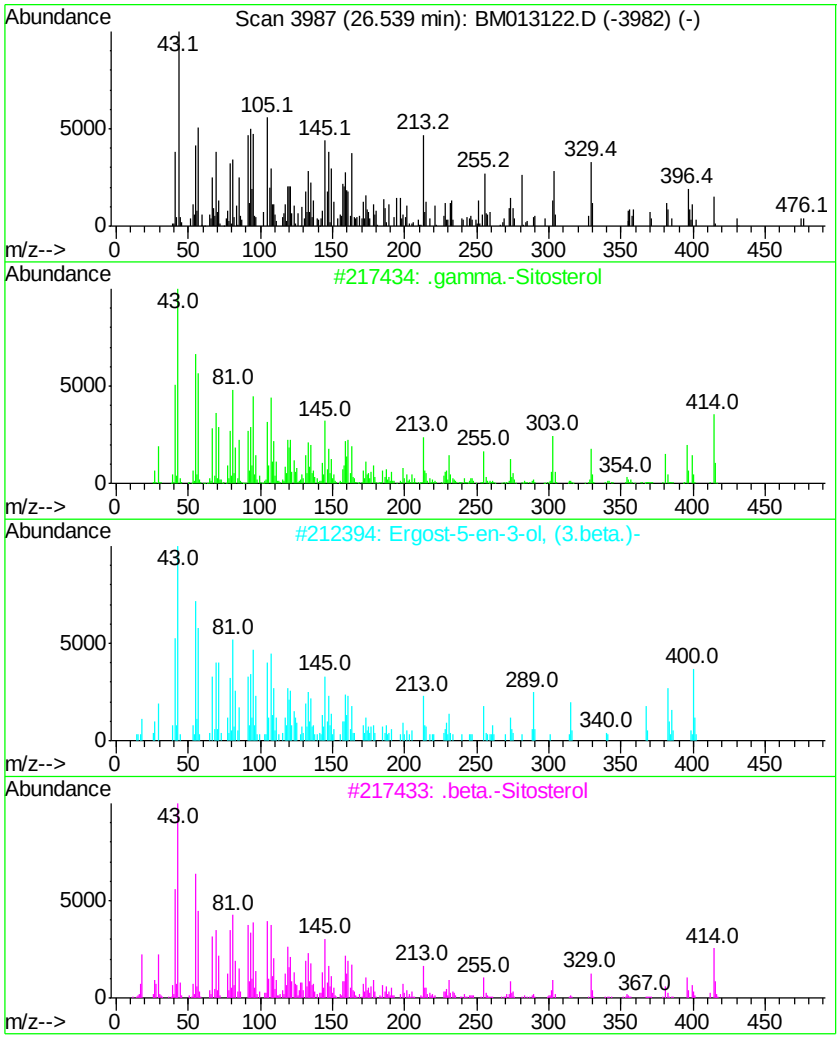
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

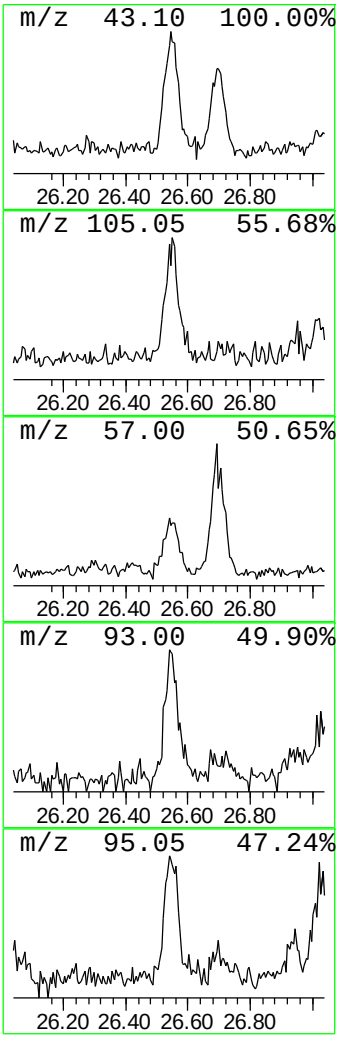
****

Peak Number 9 .gamma.-Sitosterol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.54	3.47 ng/ul	710011	Perylene-d12	23.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	96
2	Ergost-5-en-3-ol, (3.beta.)-	400	C28H48O	004651-51-8	52
3	.beta.-Sitosterol	414	C29H50O	000083-46-5	50
4	Ergost-7-en-3-ol	400	C28H48O	116179-22-7	48
5	.beta.-Sitosterol	414	C29H50O	000083-46-5	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112717\
Data File : BM013122.D
Acq On : 27 Nov 2017 21:59
Operator : SJ/JU
Sample : I6496-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.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	18.00	4.6	ng/ul	837747	4	17.09	3650630	20.0
Octadecanoic acid	19.28	3.0	ng/ul	712063	5	21.27	4672210	20.0
Trichloroacetic a...	21.00	4.7	ng/ul	1085570	5	21.27	4672210	20.0
Sulfurous acid, d...	21.88	2.9	ng/ul	673798	5	21.27	4672210	20.0
(DEL) Alkane: Str...	22.84	3.7	ng/ul	762575	6	23.50	4096820	20.0
Behenic alcohol	22.89	3.3	ng/ul	672513	6	23.50	4096820	20.0
(DEL) Alkane: Str...	24.05	2.7	ng/ul	547469	6	23.50	4096820	20.0
(DEL) Alkane: Cyc...	24.14	3.2	ng/ul	650934	6	23.50	4096820	20.0
.gamma.-Sitosterol	26.54	3.5	ng/ul	710011	6	23.50	4096820	20.0