

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071918\
 Data File : BM016002.D
 Acq On : 19 Jul 2018 22:28
 Operator : SJ/JU
 Sample : J4023-22
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DB1N1

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 1 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

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

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM071318MA.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	4.287	163	170	188	rBV	7427314	10636480	100.00%	26.244%
2	7.410	695	701	717	rBV	262368	518258	4.87%	1.279%
3	7.575	722	729	739	rBV	176332	281602	2.65%	0.695%
4	7.781	758	764	780	rVB	256063	449471	4.23%	1.109%
5	8.251	838	844	859	rVB	299744	504385	4.74%	1.245%
6	8.969	961	966	982	rBV	311051	545530	5.13%	1.346%
7	9.439	1040	1046	1059	rBV	253267	435932	4.10%	1.076%
8	10.163	1164	1169	1183	rBV	228602	400422	3.76%	0.988%
9	10.704	1255	1261	1278	rBV	337232	613640	5.77%	1.514%
10	11.074	1318	1324	1334	rBV	465331	794210	7.47%	1.960%
11	11.227	1344	1350	1365	rBV	178207	344364	3.24%	0.850%
12	13.927	1802	1809	1816	rBB	127019	180055	1.69%	0.444%
13	14.280	1863	1869	1873	rBV	660338	871308	8.19%	2.150%
14	14.327	1873	1877	1886	rVB	224302	299421	2.82%	0.739%
15	14.574	1913	1919	1928	rBV	666308	971385	9.13%	2.397%
16	14.880	1964	1971	1980	rVB2	699392	1060907	9.97%	2.618%
17	15.092	2002	2007	2026	rBV	220173	446511	4.20%	1.102%
18	15.862	2132	2138	2149	rVB	895164	1252712	11.78%	3.091%
19	15.998	2156	2161	2170	rBV	252546	381225	3.58%	0.941%
20	17.609	2428	2435	2441	rBV	927932	1327489	12.48%	3.275%
21	17.703	2445	2451	2459	rBV	879232	1280569	12.04%	3.160%
22	18.450	2573	2578	2588	rBV	535858	753287	7.08%	1.859%
23	19.586	2768	2771	2778	rVB3	73158	125434	1.18%	0.309%
24	19.703	2787	2791	2806	rBV	196824	304191	2.86%	0.751%
25	19.962	2830	2835	2843	rVV	1127735	1525991	14.35%	3.765%
26	21.256	3052	3055	3062	rVB2	126077	154514	1.45%	0.381%
27	21.391	3073	3078	3088	rBV2	556508	851294	8.00%	2.100%
28	21.691	3125	3129	3131	rBV	251278	359482	3.38%	0.887%
29	21.721	3131	3134	3140	rVB	1211978	1578700	14.84%	3.895%
30	22.274	3224	3228	3230	rBV	104647	138221	1.30%	0.341%
31	22.309	3230	3234	3242	rVB	353922	584604	5.50%	1.442%
32	22.633	3285	3289	3296	rBV	207727	336569	3.16%	0.830%
33	23.291	3397	3401	3407	rVB	399009	607742	5.71%	1.500%
34	23.362	3409	3413	3421	rVB	198510	417176	3.92%	1.029%

LSC Area Percent Report

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35	23.956	3508	3514	3524	rVB	714522	1394504	13.11%	3.441%
36	24.109	3534	3540	3547	rVB	677648	1335400	12.55%	3.295%
37	24.579	3615	3620	3628	rVB	598866	1208697	11.36%	2.982%
38	24.685	3631	3638	3652	rVB2	733209	1941067	18.25%	4.789%
39	26.309	3908	3914	3923	rVB2	279781	705961	6.64%	1.742%
40	26.691	3975	3979	3992	rVB4	491229	1293407	12.16%	3.191%
41	27.338	4081	4089	4108	rVB5	319242	1316840	12.38%	3.249%

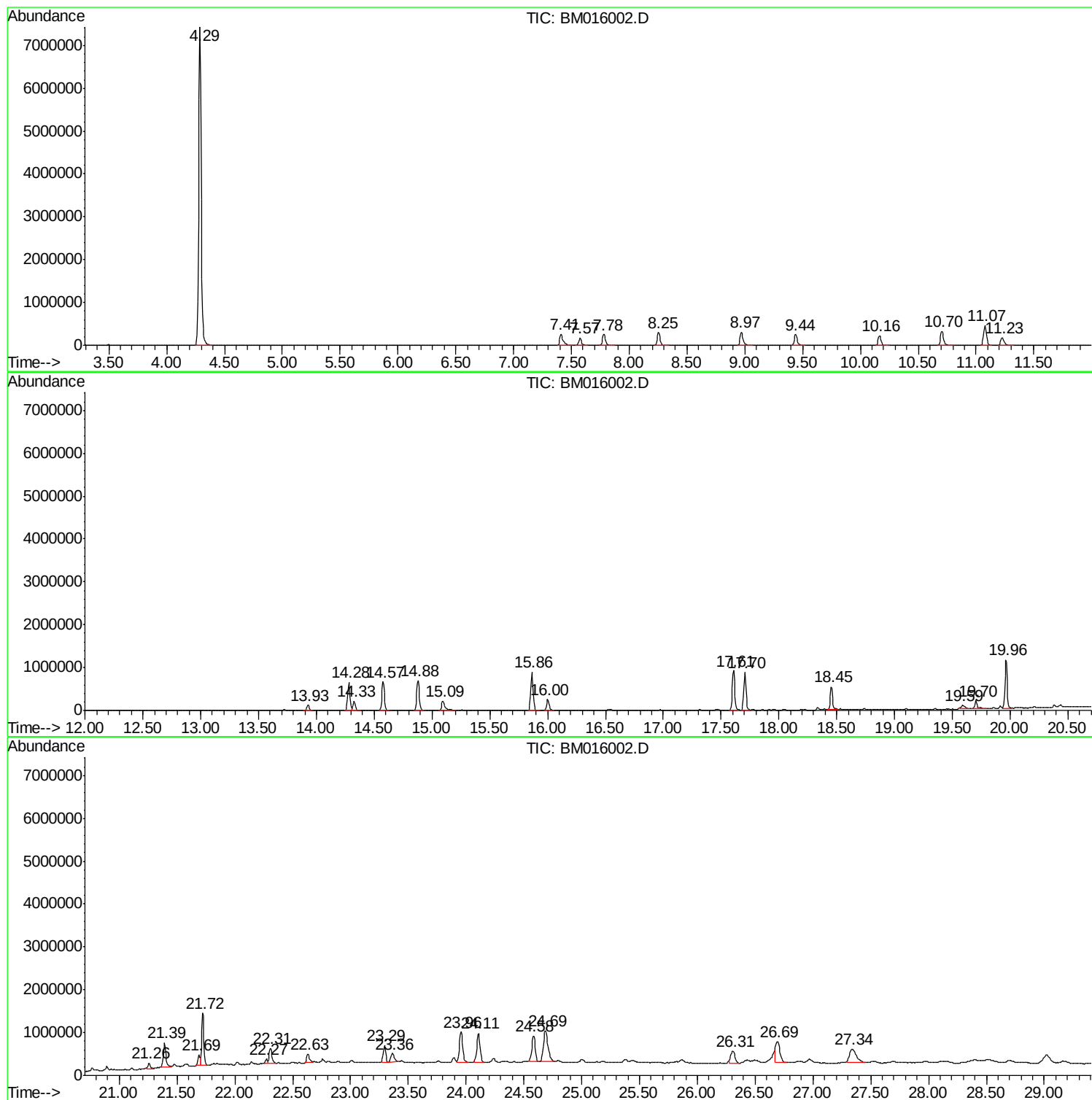
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Quant Title : SVOA CALIBRATION

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



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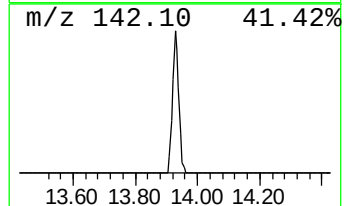
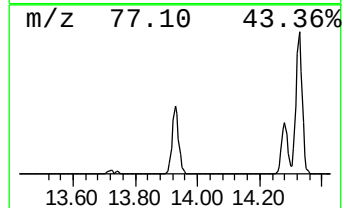
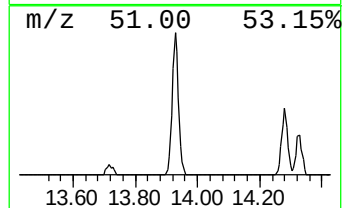
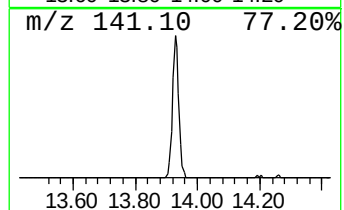
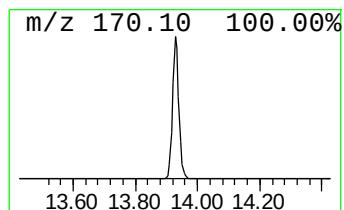
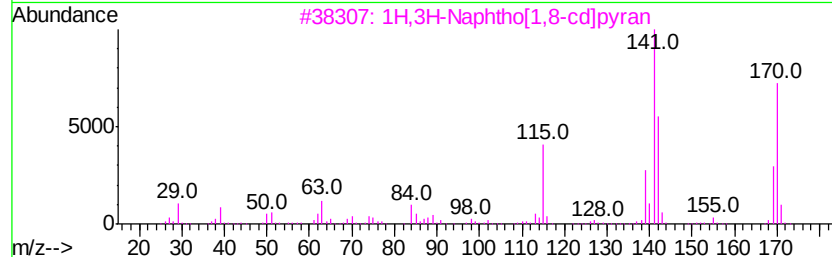
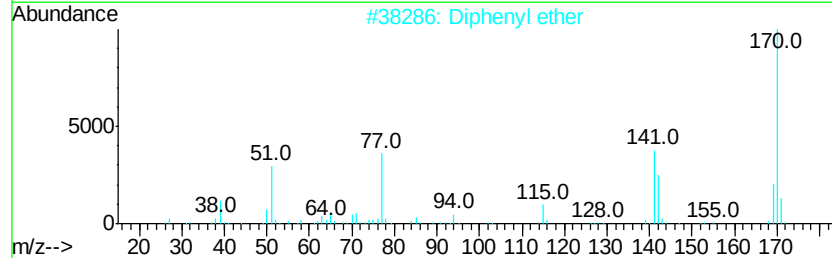
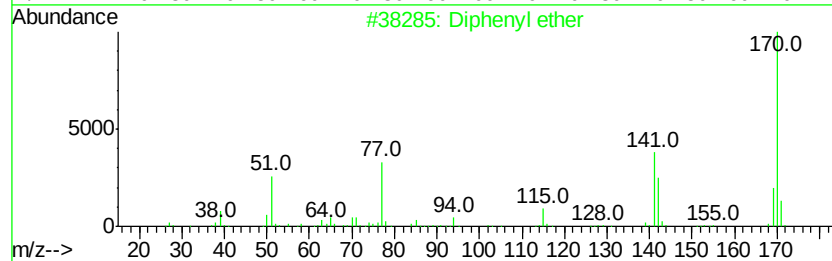
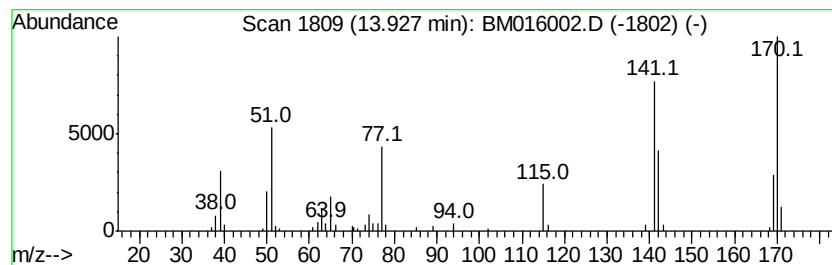
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Quant Title : SVOA CALIBRATION

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

Peak Number 2 Diphenyl ether Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	3.39 ng/ul	180055	Acenaphthene-d10	14.88
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Diphenyl ether	170	C12H10O	000101-84-8 87
2	Diphenyl ether	170	C12H10O	000101-84-8 74
3	1H,3H-Naphtho[1,8-cd]pyran	170	C12H10O	000203-84-9 58
4	Spiro[cyclopropane-1,1'(4'H)-nap...	170	C12H10O	033498-24-7 58
5	Diphenyl ether	170	C12H10O	000101-84-8 52



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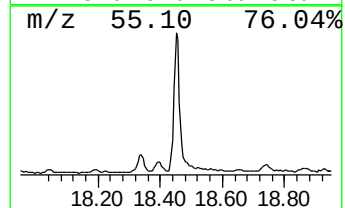
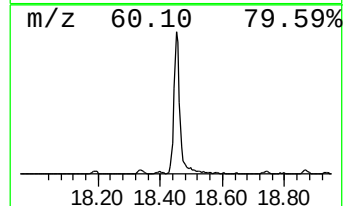
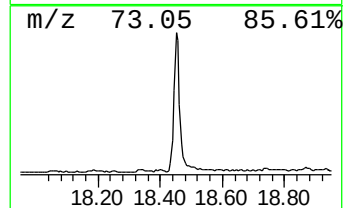
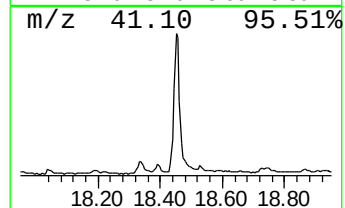
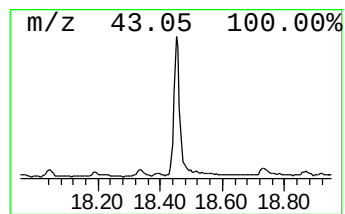
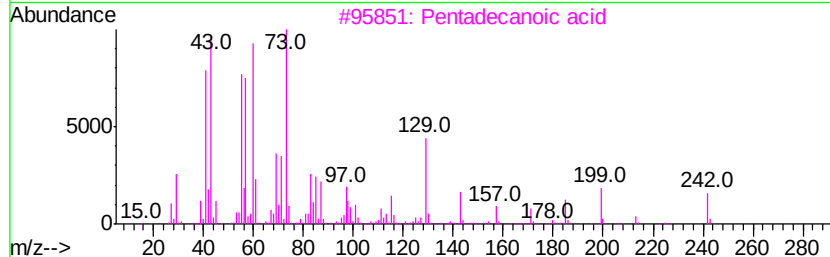
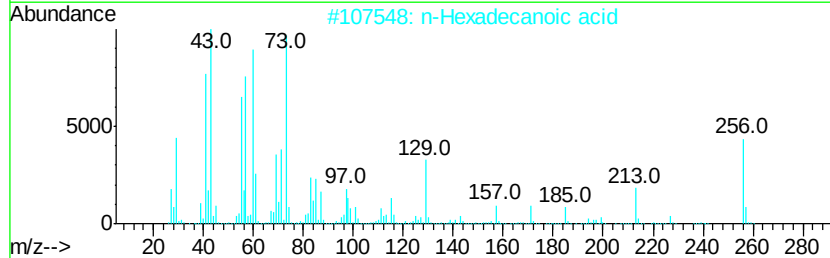
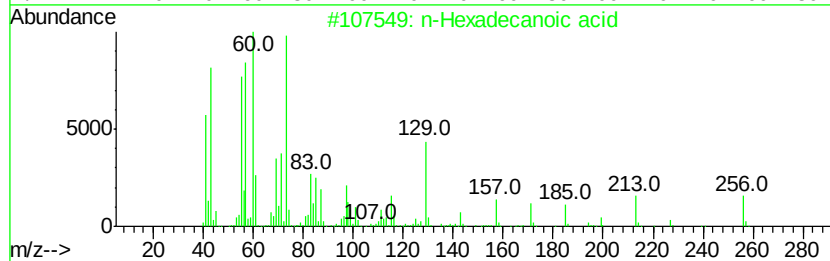
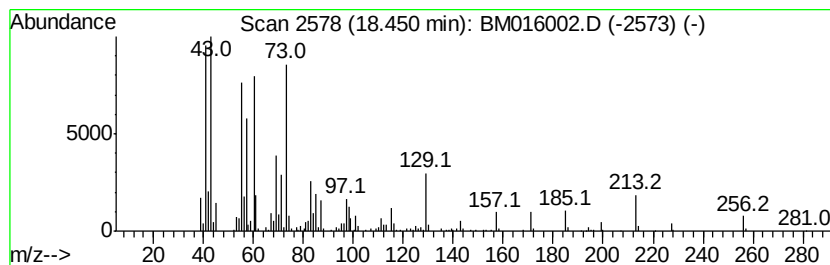
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TIC Library : C:\Database\NIST11.L
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.45	11.35 ng/ul	753287	Phenanthrene-d10	17.61	
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	91
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5	Tridecanoic acid	214	C13H26O2	000638-53-9	83



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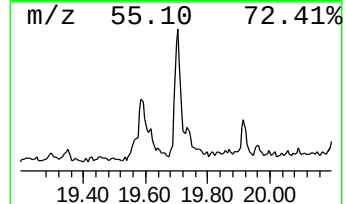
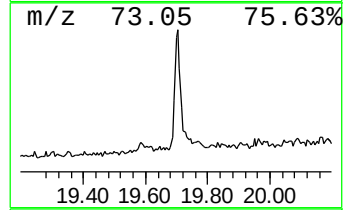
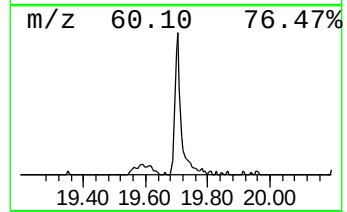
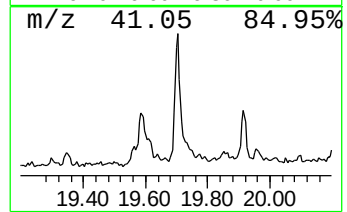
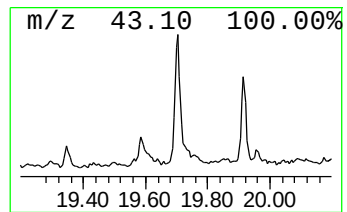
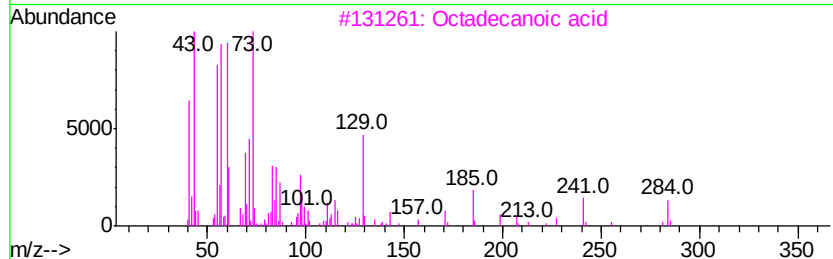
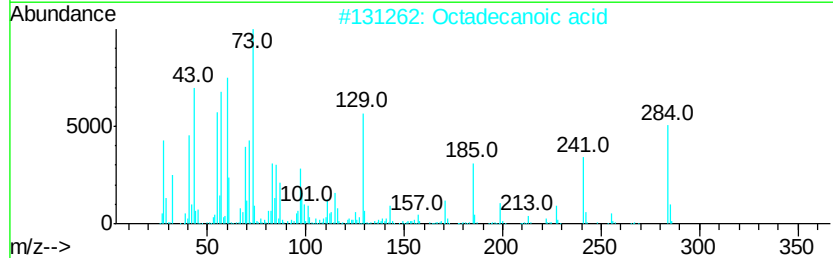
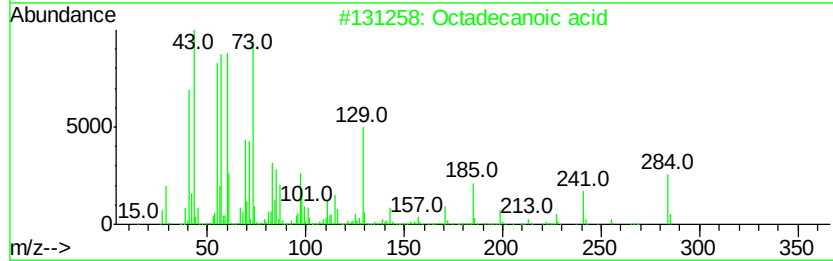
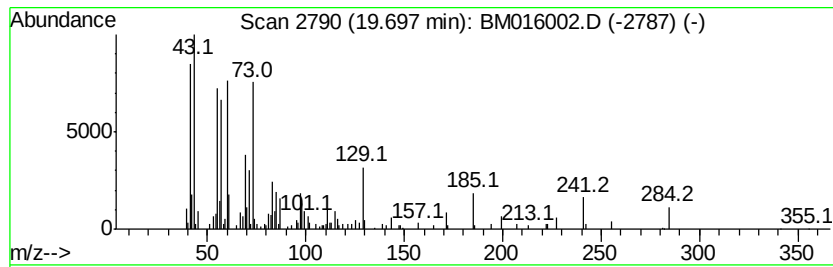
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Quant Title : SVOA CALIBRATION

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

Peak Number 4 Octadecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.70	3.85 ng/ul	304191	Chrysene-d12	21.72

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	93
4			Octadecanoic acid	284	C18H36O2	000057-11-4	91
5			Tetradecanoic acid	228	C14H28O2	000544-63-8	81



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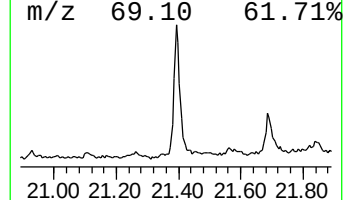
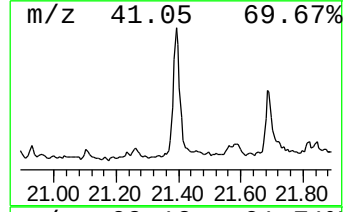
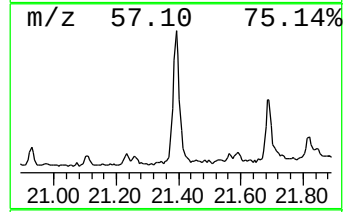
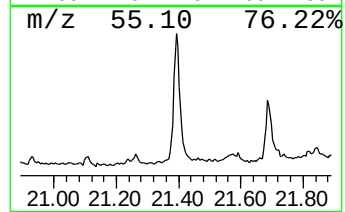
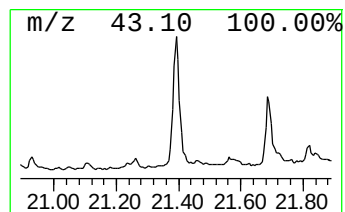
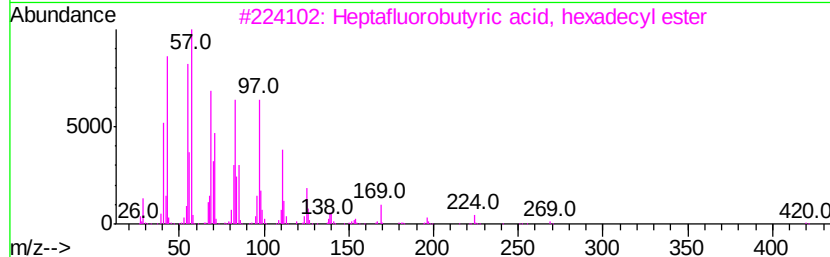
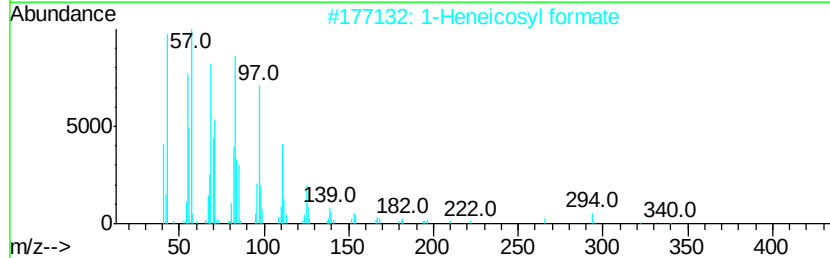
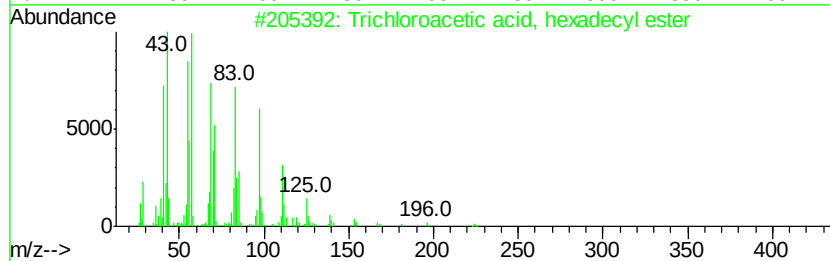
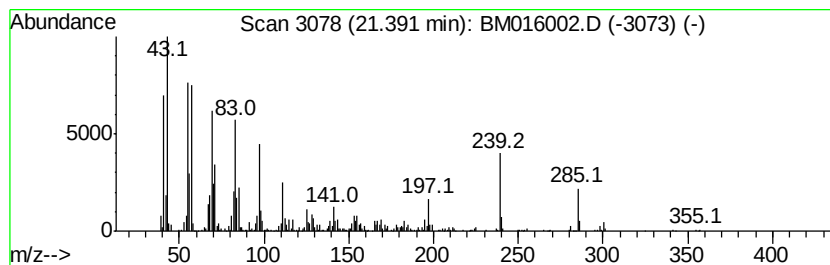
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Peak Number 5 Trichloroacetic acid, hexad... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.39	10.78 ng/ul	851294	Chrysene-d12	21.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	90
2		1-Heneicosyl formate	340	C22H44O2	077899-03-7	78
3		Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	64
4		Cycloeicosane	280	C20H40	000296-56-0	64
5		Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	64



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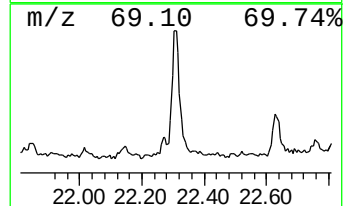
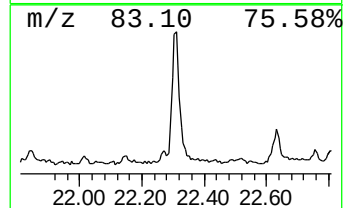
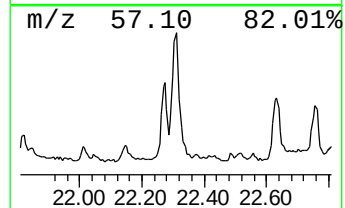
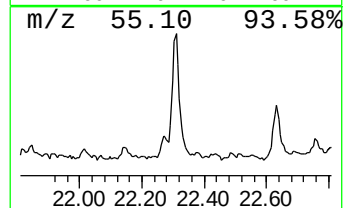
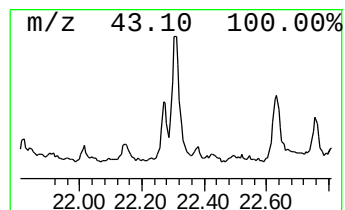
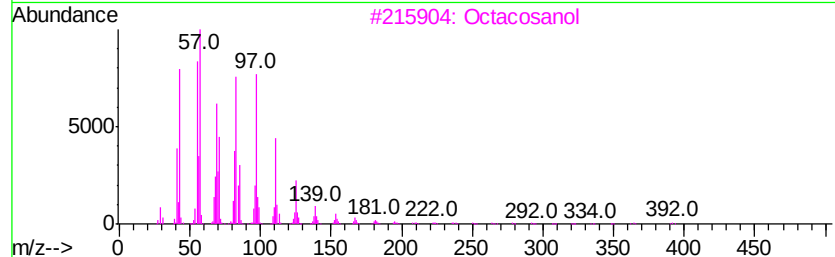
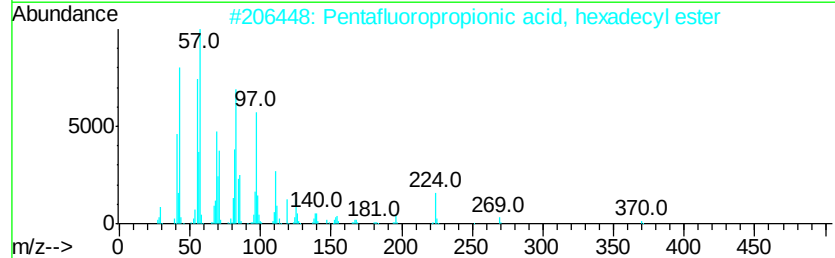
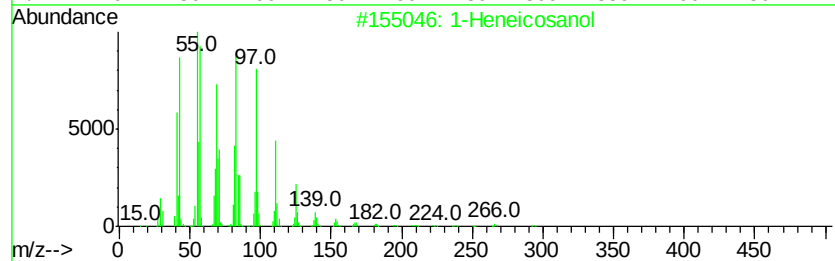
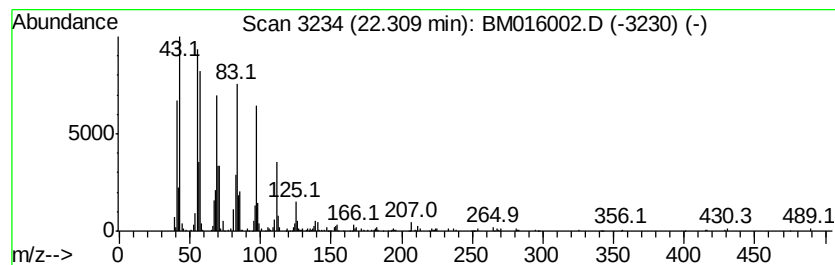
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Peak Number 6 1-Heneicosanol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.31	7.41 ng/ul	584604	Chrysene-d12	21.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Heneicosanol	312	C21H44O	015594-90-8	95
2		Pentafluoropropionic acid, hexad...	388	C19H33F5O2	006222-07-7	91
3		Octacosanol	410	C28H58O	000557-61-9	91
4		n-Nonadecanol-1	284	C19H40O	001454-84-8	91
5		Behenic alcohol	326	C22H46O	000661-19-8	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071918\
Data File : BM016002.D
Acq On : 19 Jul 2018 22:28
Operator : SJ/JU
Sample : J4023-22
Misc :
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Instrument :
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ClientSampleId :
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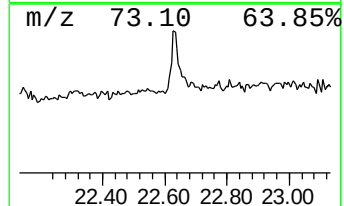
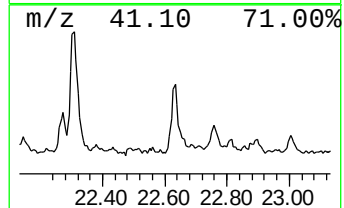
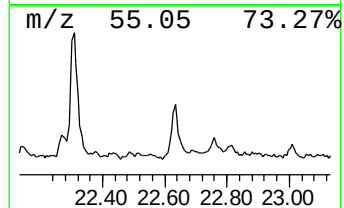
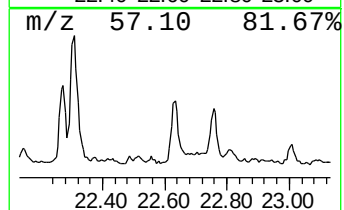
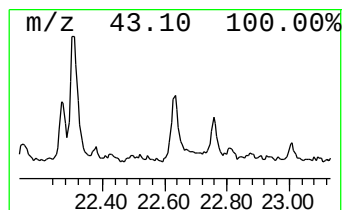
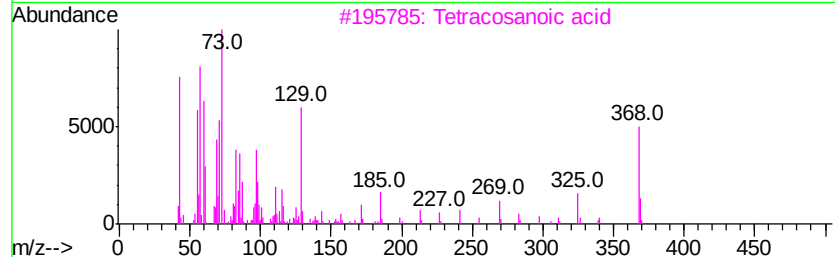
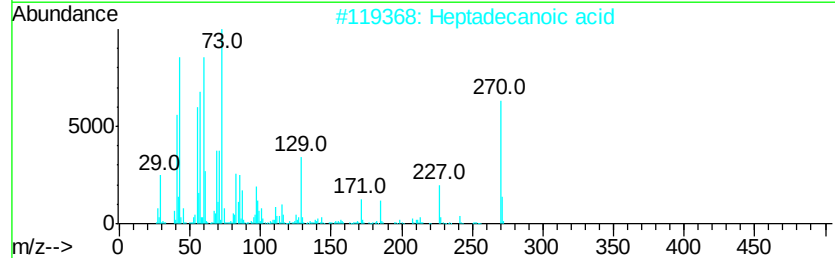
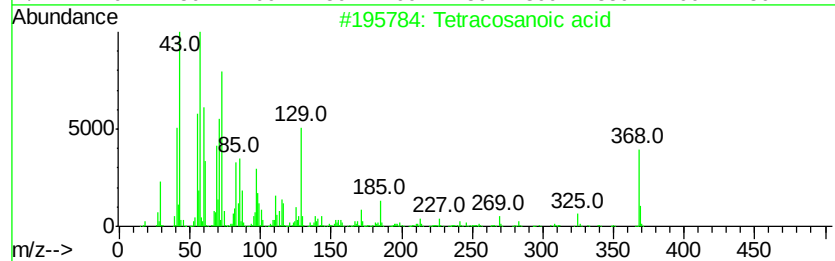
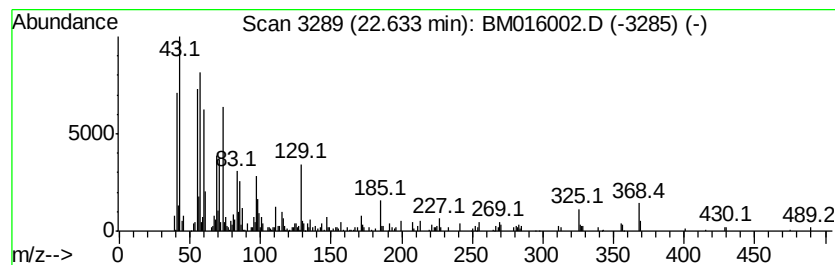
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Tetracosanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.63	4.26 ng/ul	336569	Chrysene-d12	21.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracosanoic acid	368	C24H48O2	000557-59-5	68
2		Heptadecanoic acid	270	C17H34O2	000506-12-7	64
3		Tetracosanoic acid	368	C24H48O2	000557-59-5	64
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	53
5		Octadecanoic acid	284	C18H36O2	000057-11-4	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071918\
Data File : BM016002.D
Acq On : 19 Jul 2018 22:28
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Misc :
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Instrument :
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ClientSampleId :
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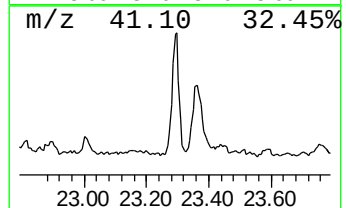
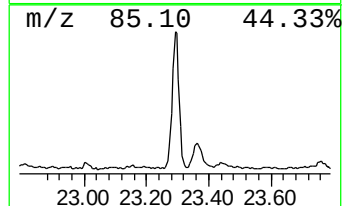
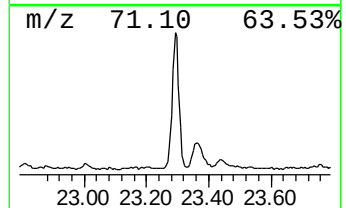
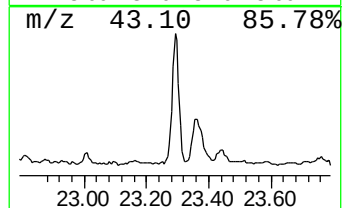
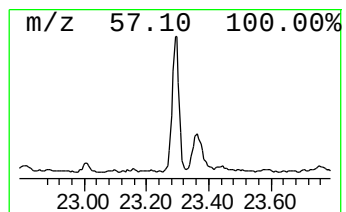
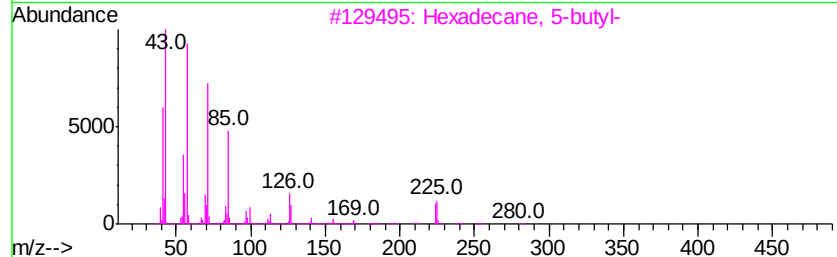
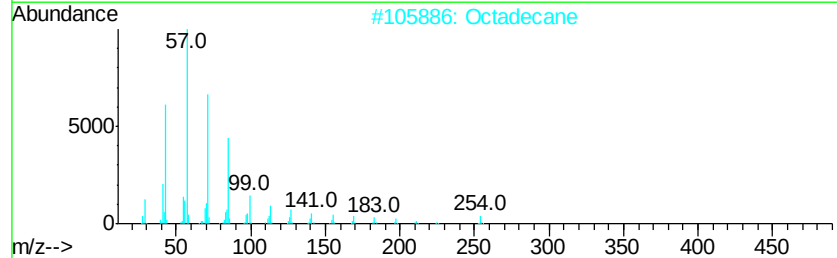
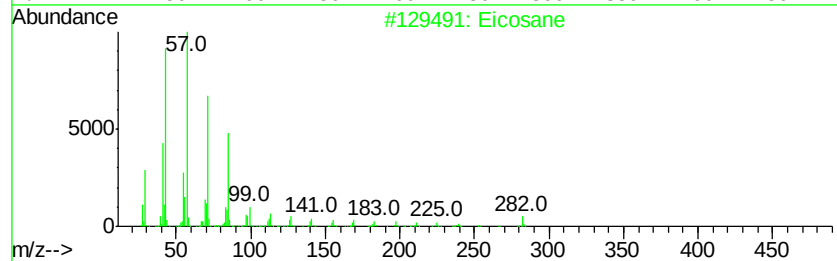
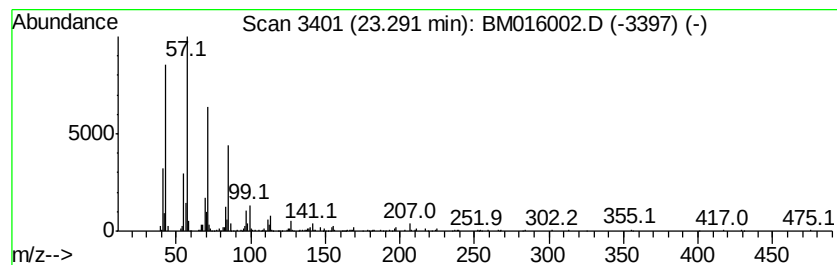
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.29	9.10 ng/ul	607742	Perylene-d12	24.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	96
2		Octadecane	254	C18H38	000593-45-3	91
3		Hexadecane, 5-butyl-	282	C20H42	006912-07-8	91
4		Hentriacontane	437	C31H64	000630-04-6	90
5		Hexacosane	366	C26H54	000630-01-3	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071918\
Data File : BM016002.D
Acq On : 19 Jul 2018 22:28
Operator : SJ/JU
Sample : J4023-22
Misc :
ALS Vial : 18 Sample Multiplier: 1

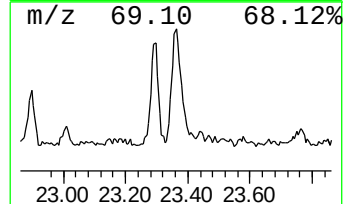
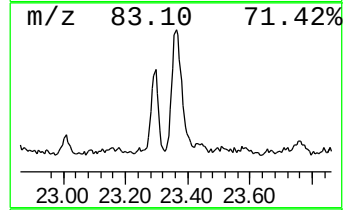
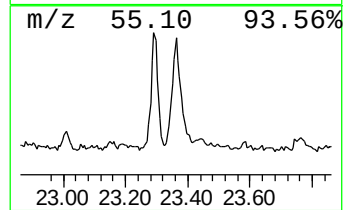
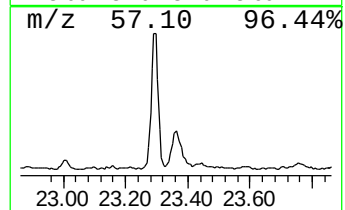
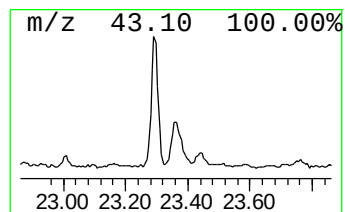
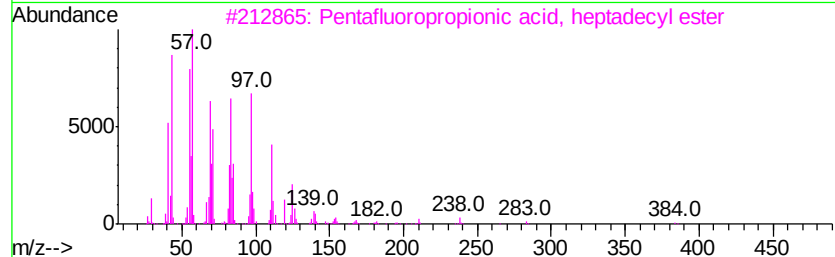
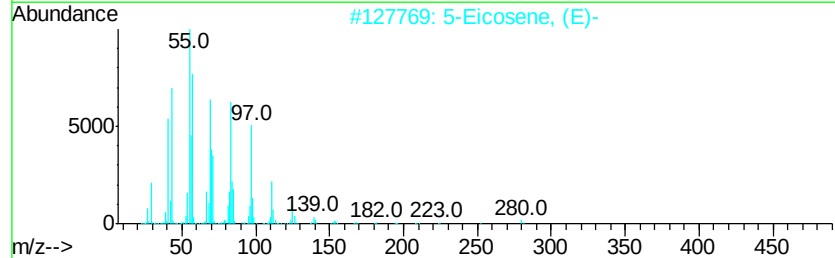
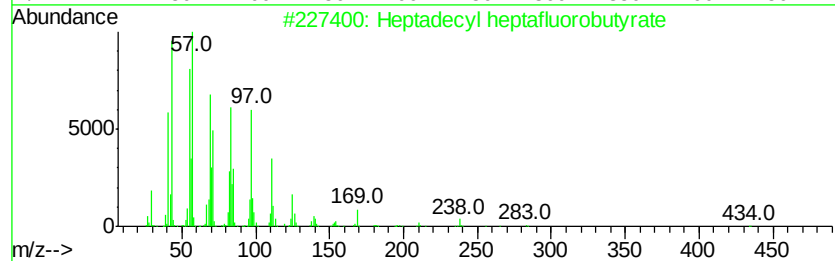
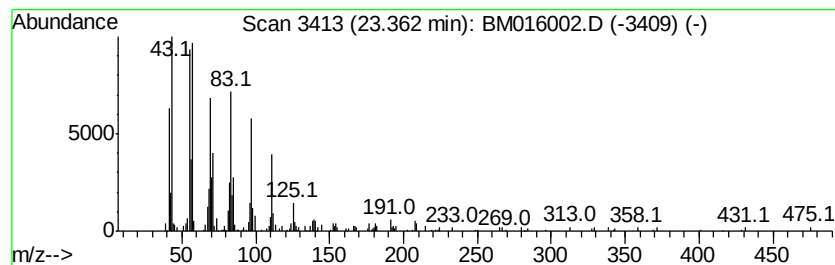
Instrument :
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ClientSampleId :
DB1N1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM071318MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 9 Heptadecyl heptafluorobutyrate Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.		
23.36	6.25 ng/ul	417176	Perylene-d12	24.11		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl	heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
2	5-Eicosene, (E)-		280	C20H40	074685-30-6	93
3	Pentafluoropropionic acid, hepta...		402	C20H35F5O2	959218-78-1	91
4	Heptafluorobutyric acid, n-octad...		466	C22H37F7O2	000400-57-7	91
5	1-Heptacosanol		396	C27H56O	002004-39-9	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071918\
Data File : BM016002.D
Acq On : 19 Jul 2018 22:28
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Sample : J4023-22
Misc :
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Instrument :
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ClientSampleId :
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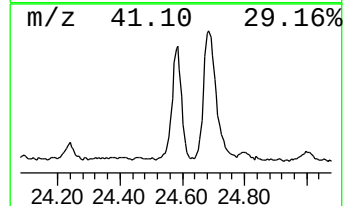
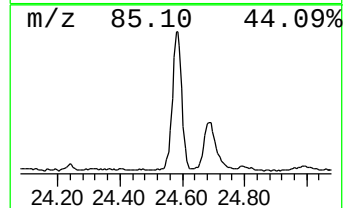
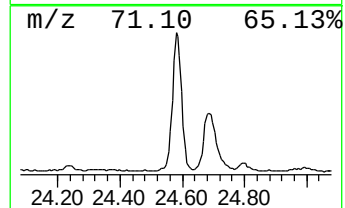
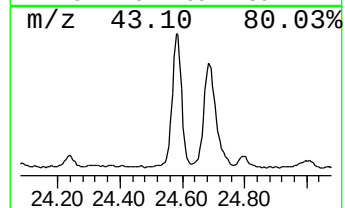
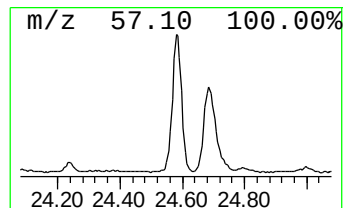
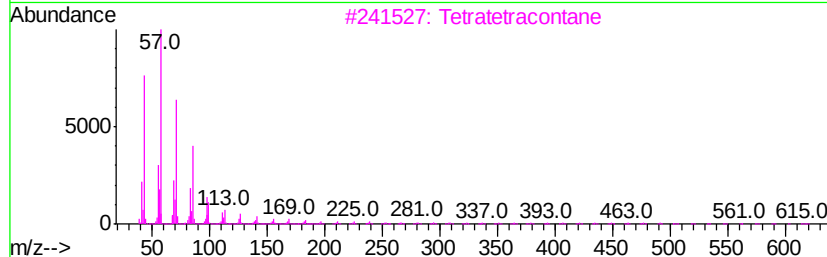
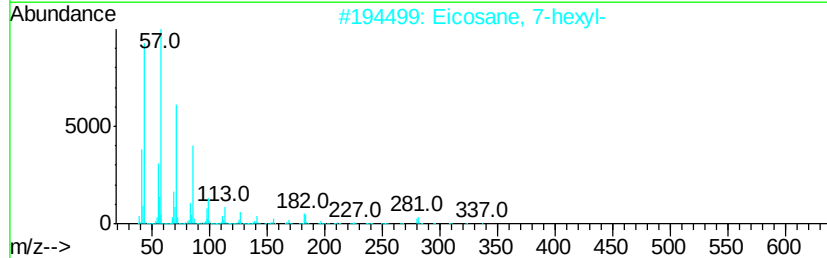
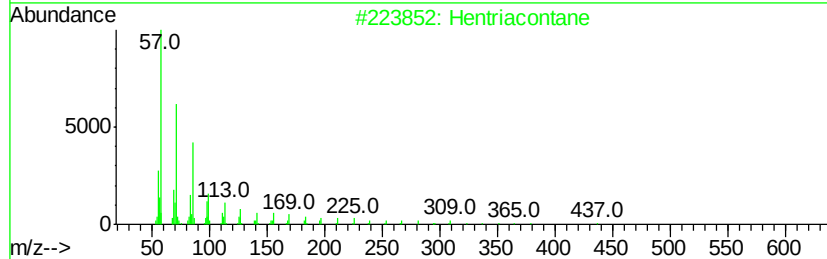
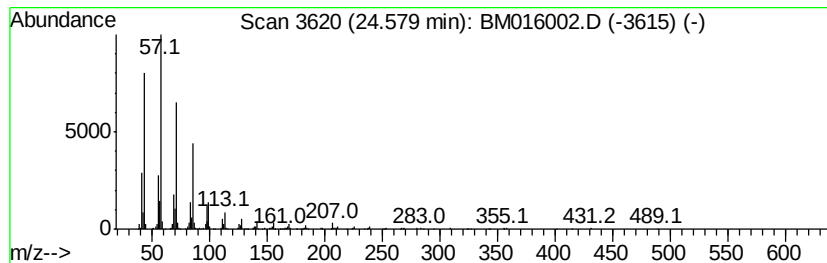
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.58	18.10 ng/ul	1208700	Perylene-d12	24.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hentriacontane	437	C31H64	000630-04-6	91
2		Eicosane, 7-hexyl-	366	C26H54	055333-99-8	91
3		Tetratetracontane	619	C44H90	007098-22-8	91
4		Heneicosane	296	C21H44	000629-94-7	91
5		2-methyloctacosane	408	C29H60	1000376-72-8	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071918\
Data File : BM016002.D
Acq On : 19 Jul 2018 22:28
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Sample : J4023-22
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Instrument :
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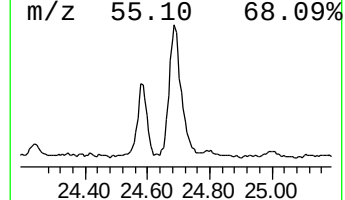
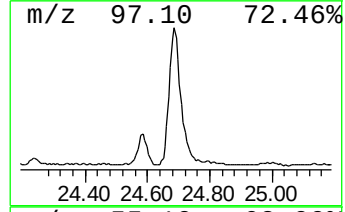
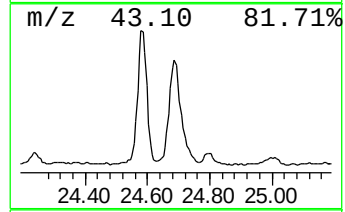
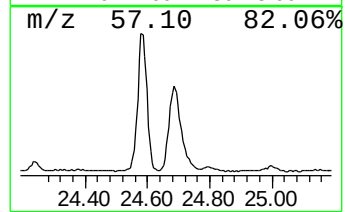
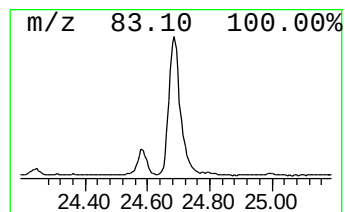
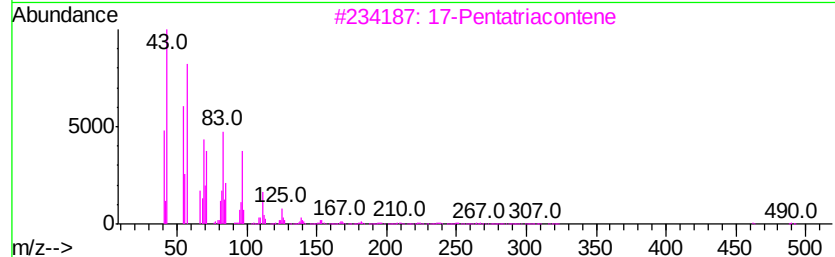
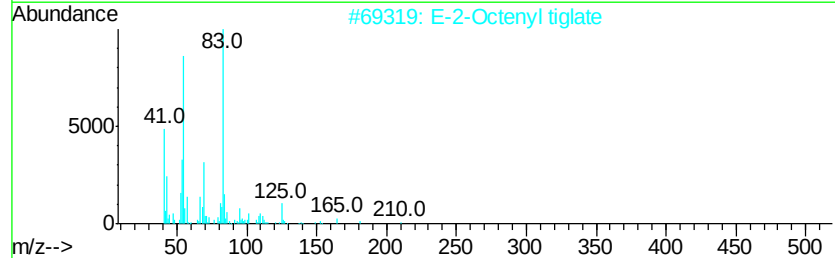
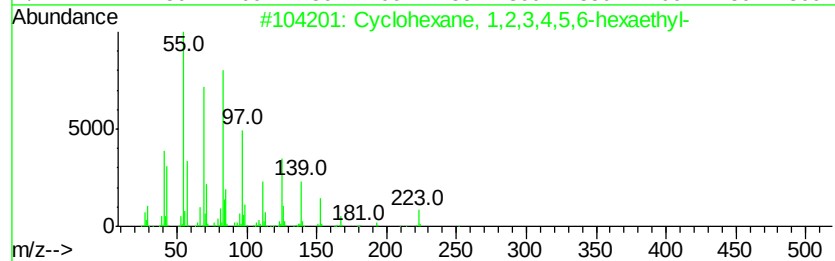
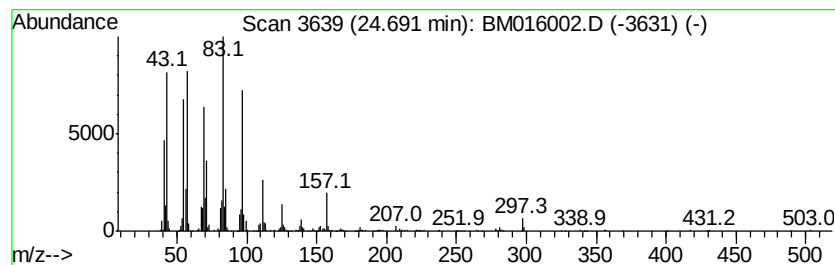
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 (DEL) Alkane: Cyclic24.69 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.69	29.07 ng/ul	1941070	Perylene-d12	24.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2,3,4,5,6-hexaethyl-	252	C18H36	001795-14-8	68
2		E-2-Octenyl tiglate	210	C13H22O2	084271-97-6	46
3		17-Pentatriacontene	491	C35H70	006971-40-0	45
4		Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	38
5		Octadecane, 1-(ethenyloxy)-	296	C20H40O	000930-02-9	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071918\
Data File : BM016002.D
Acq On : 19 Jul 2018 22:28
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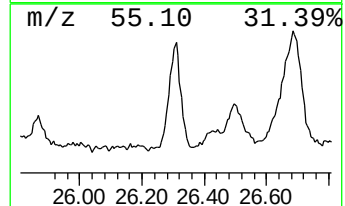
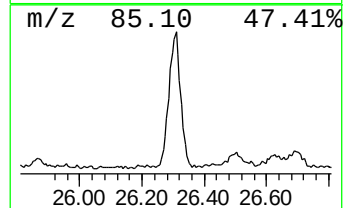
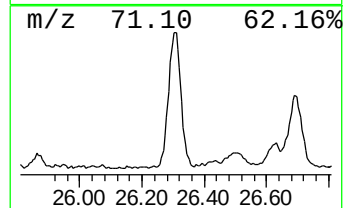
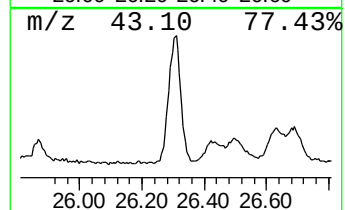
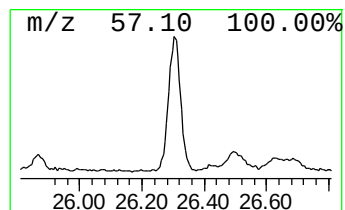
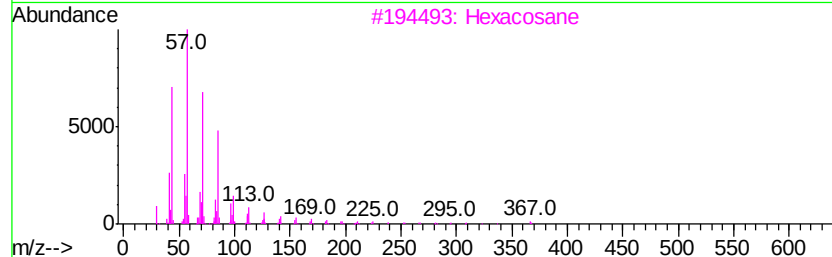
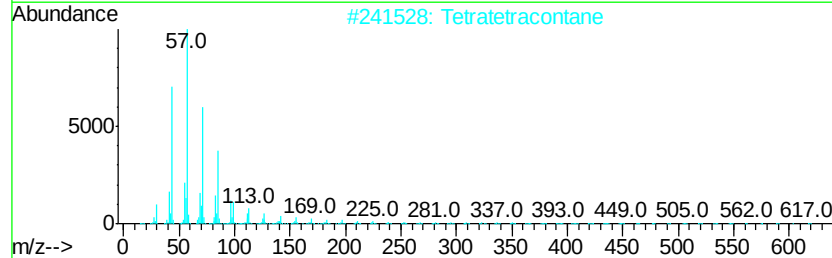
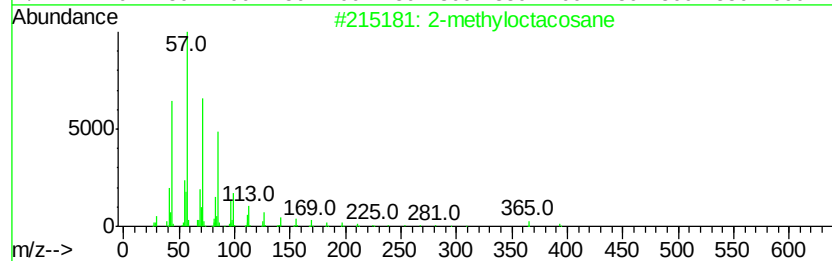
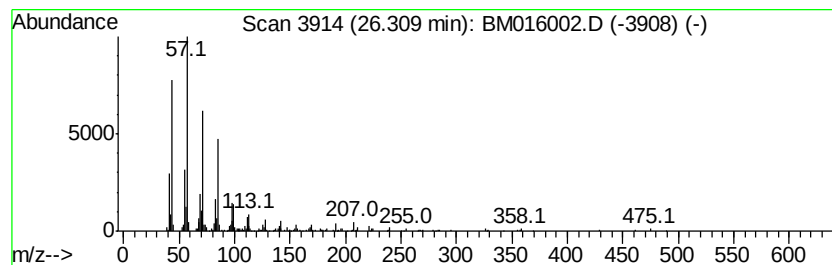
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Quant Title : SVOA CALIBRATION

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.31	10.57 ng/ul	705961	Perylene-d12	24.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-methyloctacosane	408	C29H60	1000376-72-8	90
2		Tetratetracontane	619	C44H90	007098-22-8	90
3		Hexacosane	366	C26H54	000630-01-3	90
4		Hexatriacontane	507	C36H74	000630-06-8	90
5		Octacosane	394	C28H58	000630-02-4	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071918\
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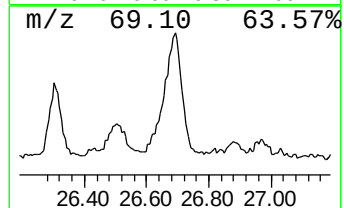
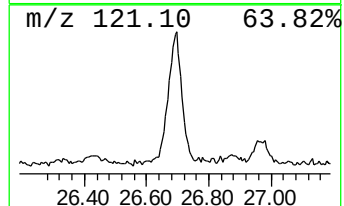
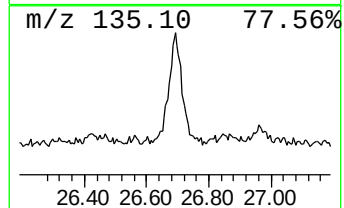
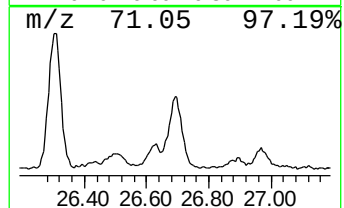
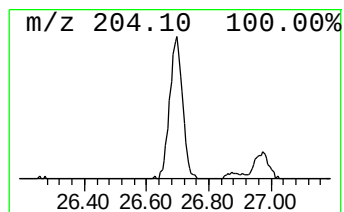
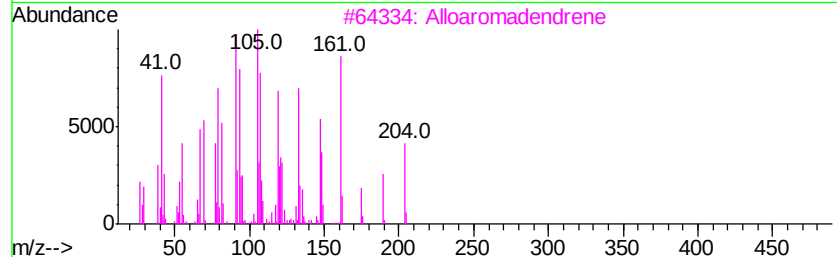
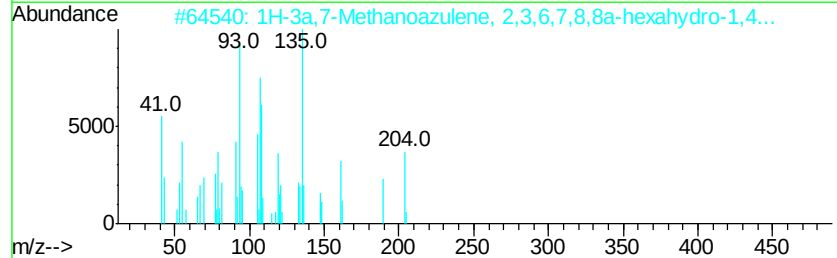
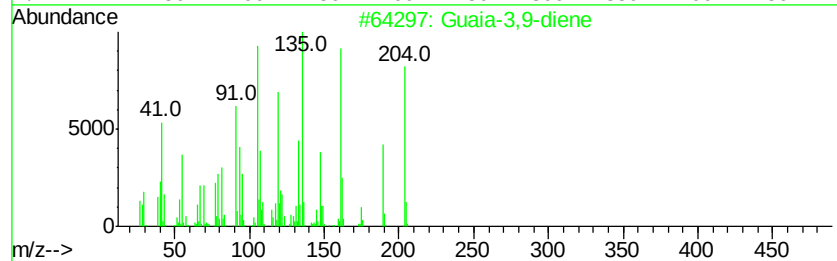
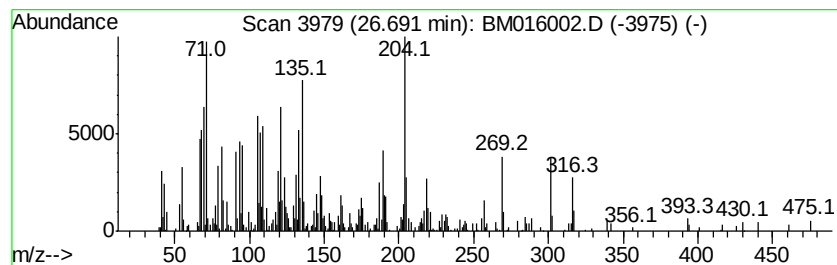
Instrument :
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 Guaia-3,9-diene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.69	19.37 ng/ul	1293410	Perylene-d12	24.11
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Guaia-3,9-diene	204 C15H24	000489-83-8 64
2		1H-3a,7-Methanoazulene, 2,3,6,7,...	204 C15H24	000560-32-7 53
3		Alloaromadendrene	204 C15H24	025246-27-9 46
4		1H-3a,7-Methanoazulene, octahydr...	204 C15H24	000508-55-4 46
5		1H-Cycloprop[e]azulene, 1a,2,3,5...	204 C15H24	021747-46-6 42



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071918\
Data File : BM016002.D
Acq On : 19 Jul 2018 22:28
Operator : SJ/JU
Sample : J4023-22
Misc :
ALS Vial : 18 Sample Multiplier: 1

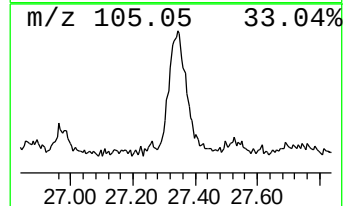
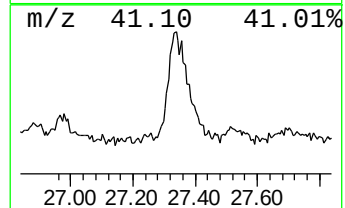
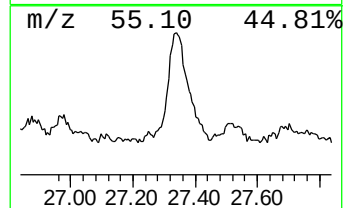
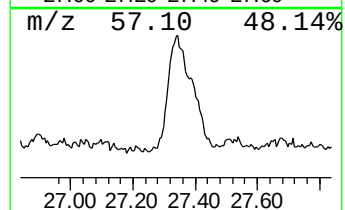
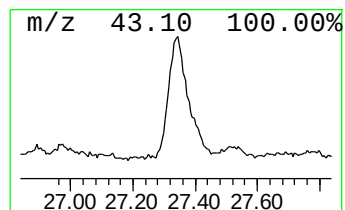
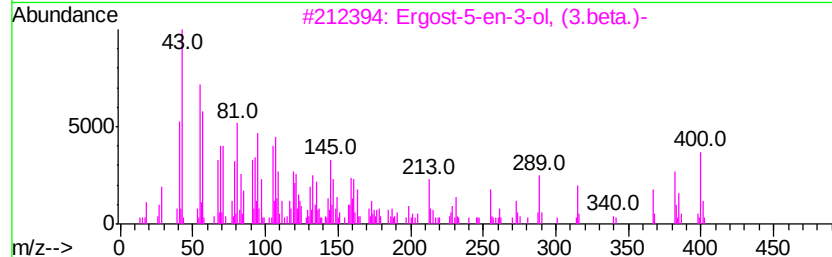
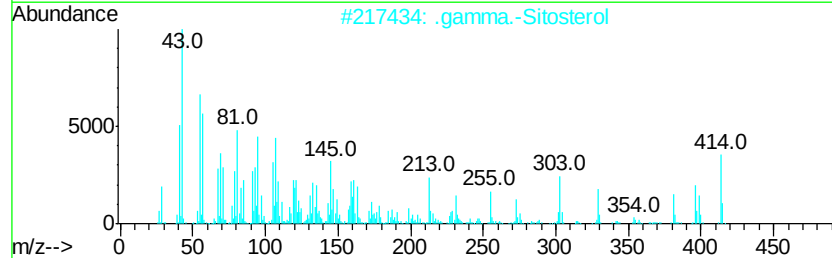
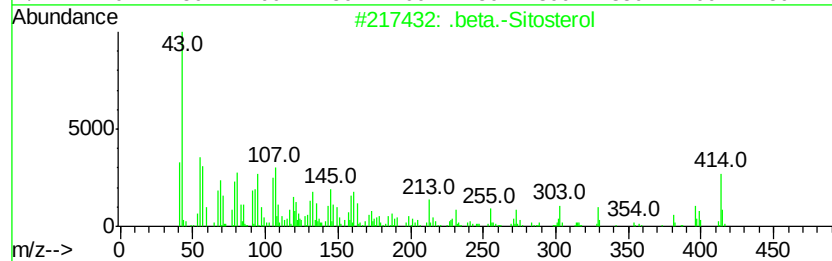
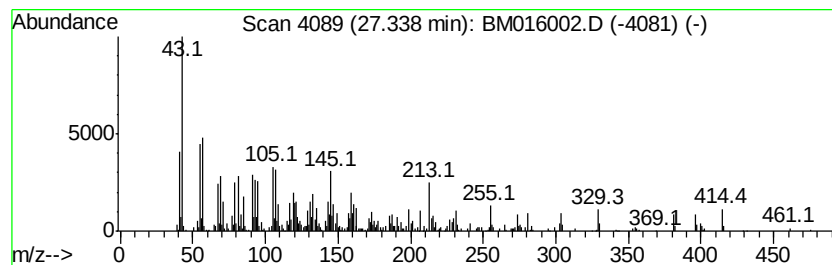
Instrument :
BNA_M
ClientSampleId :
DB1N1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM071318MA.M
Quant Title : SVOA CALIBRATION

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

Peak Number 14 .beta.-Sitosterol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.34	19.72 ng/ul	1316840	Perylene-d12	24.11
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		.beta.-Sitosterol	414 C29H50O	000083-46-5 95
2		.gamma.-Sitosterol	414 C29H50O	000083-47-6 95
3		Ergost-5-en-3-ol, (3.beta.)-	400 C28H48O	004651-51-8 52
4		.beta.-Sitosterol	414 C29H50O	000083-46-5 49
5		Isocholesteryl methyl ether	400 C28H48O	029944-53-4 47



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM071918\
 Data File : BM016002.D
 Acq On : 19 Jul 2018 22:28
 Operator : SJ/JU
 Sample : J4023-22
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DB1N1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM071318MA.M
 Quant Title : SVOA CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Diphenyl ether	13.93	3.4	ng/ul	180055	3	14.88	1060910	20.0
n-Hexadecanoic acid	18.45	11.4	ng/ul	753287	4	17.61	1327490	20.0
Octadecanoic acid	19.70	3.9	ng/ul	304191	5	21.72	1578700	20.0
Trichloroacetic a...	21.39	10.8	ng/ul	851294	5	21.72	1578700	20.0
1-Heneicosanol	22.31	7.4	ng/ul	584604	5	21.72	1578700	20.0
Tetracosanoic acid	22.63	4.3	ng/ul	336569	5	21.72	1578700	20.0
(DEL) Alkane: Str...	23.29	9.1	ng/ul	607742	6	24.11	1335400	20.0
Heptadecyl hepta...	23.36	6.3	ng/ul	417176	6	24.11	1335400	20.0
(DEL) Alkane: Str...	24.58	18.1	ng/ul	1208700	6	24.11	1335400	20.0
(DEL) Alkane: Cyc...	24.69	29.1	ng/ul	1941070	6	24.11	1335400	20.0
(DEL) Alkane: Str...	26.31	10.6	ng/ul	705961	6	24.11	1335400	20.0
Guaia-3,9-diene	26.69	19.4	ng/ul	1293410	6	24.11	1335400	20.0
.beta.-Sitosterol	27.34	19.7	ng/ul	1316840	6	24.11	1335400	20.0