

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052717\
 Data File : BM010293.D
 Acq On : 28 May 2017 01:44
 Operator : SJ/MA
 Sample : I3162-11
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHSF2

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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.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	7.116	676	685	696	rBV	830168	1509707	4.62%	0.544%
2	7.269	705	711	720	rBV	598442	941452	2.88%	0.339%
3	7.469	738	745	754	rVB	966505	1498075	4.58%	0.540%
4	7.928	816	823	834	rBV	1757757	2790635	8.54%	1.006%
5	8.651	939	946	961	rBV	1008251	1673371	5.12%	0.603%
6	9.116	1018	1025	1033	rBV	746952	1286845	3.94%	0.464%
7	9.828	1139	1146	1157	rBV	703162	1175737	3.60%	0.424%
8	10.357	1230	1236	1245	rBV	1115096	1957094	5.99%	0.705%
9	10.733	1293	1300	1309	rBV	2082547	3473522	10.62%	1.252%
10	13.974	1844	1851	1856	rBV	2119957	2961372	9.06%	1.067%
11	14.021	1856	1859	1867	rVB	907423	1198017	3.66%	0.432%
12	14.263	1893	1900	1911	rBV	2171627	3229801	9.88%	1.164%
13	14.563	1945	1951	1961	rVB2	3159328	4682216	14.32%	1.687%
14	14.804	1983	1992	2004	rBV	613354	1246467	3.81%	0.449%
15	15.551	2112	2119	2125	rBV	2878319	4109273	12.57%	1.481%
16	15.674	2135	2140	2146	rBV	819658	1127645	3.45%	0.406%
17	17.162	2389	2393	2400	rBV2	588198	906238	2.77%	0.327%
18	17.227	2400	2404	2412	rVV2	330181	549884	1.68%	0.198%
19	17.309	2412	2418	2428	rVV	4109728	5968067	18.25%	2.151%
20	17.404	2428	2434	2442	rVV	2946724	4333513	13.25%	1.562%
21	18.045	2536	2543	2549	rBV2	562223	1205728	3.69%	0.434%
22	18.103	2549	2553	2558	rVV2	279554	405018	1.24%	0.146%
23	18.156	2558	2562	2574	rVV	1863376	2746607	8.40%	0.990%
24	18.462	2608	2614	2624	rVV4	1330520	2509380	7.67%	0.904%
25	18.556	2625	2630	2639	rVB6	380344	674256	2.06%	0.243%
26	18.739	2656	2661	2670	rBV	1292085	2146490	6.57%	0.773%
27	19.127	2724	2727	2730	rVV2	293749	389163	1.19%	0.140%
28	19.315	2756	2759	2760	rVV2	496633	569349	1.74%	0.205%
29	19.339	2760	2763	2769	rVB3	663191	1046504	3.20%	0.377%
30	19.427	2774	2778	2790	rVB3	661390	1282136	3.92%	0.462%
31	19.692	2818	2823	2831	rVB	4243522	5769873	17.65%	2.079%
32	20.162	2899	2903	2912	rVV2	913834	1340965	4.10%	0.483%
33	20.286	2920	2924	2933	rBV	603522	1059860	3.24%	0.382%
34	20.397	2940	2943	2949	rBV3	490099	825533	2.52%	0.297%

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35	20.503	2957	2961	2973	rBV2	1386331	2148588	6.57%	0.774%
36	20.839	3015	3018	3022	rBV5	370896	531054	1.62%	0.191%
37	21.115	3061	3065	3067	rBV	5390862	5954774	18.21%	2.146%
38	21.144	3067	3070	3083	rVB	3227498	6563437	20.07%	2.365%
39	21.439	3116	3120	3122	rBV	2835543	3842827	11.75%	1.385%
40	21.468	3122	3125	3133	rVB	7309917	8979143	27.46%	3.236%
41	21.744	3169	3172	3177	rVB2	1686380	1817220	5.56%	0.655%
42	21.991	3210	3214	3218	rBV	5319525	5899220	18.04%	2.126%
43	22.044	3218	3223	3246	rVB3	2450064	7553913	23.10%	2.722%
44	22.362	3273	3277	3288	rBV	1950762	3693141	11.30%	1.331%
45	22.527	3301	3305	3310	rBV	1690797	2294436	7.02%	0.827%
46	22.721	3333	3338	3344	rVB	9501070	12505814	38.25%	4.506%
47	22.986	3379	3383	3390	rVB	2012179	2905268	8.89%	1.047%
48	23.074	3393	3398	3406	rBV4	2019340	5666643	17.33%	2.042%
49	23.662	3492	3498	3508	rVB2	3856990	9048563	27.68%	3.261%
50	23.821	3519	3525	3533	rVB	4238353	8435782	25.80%	3.040%
51	23.915	3535	3541	3555	rVB	8187956	14323087	43.81%	5.161%
52	24.356	3609	3616	3630	rBV3	2584254	10111485	30.93%	3.644%
53	25.503	3806	3811	3818	rVB3	1486822	3227936	9.87%	1.163%
54	26.979	4054	4062	4081	rVB9	2322363	10011040	30.62%	3.607%
55	27.173	4089	4095	4109	rVB5	3673652	11118646	34.01%	4.007%
56	27.409	4125	4135	4143	rBV2	10684664	32695604	100.00%	11.782%
57	27.497	4143	4150	4159	rVB3	5207544	15449629	47.25%	5.567%
58	27.962	4221	4229	4249	rVB4	6319543	24145114	73.85%	8.701%

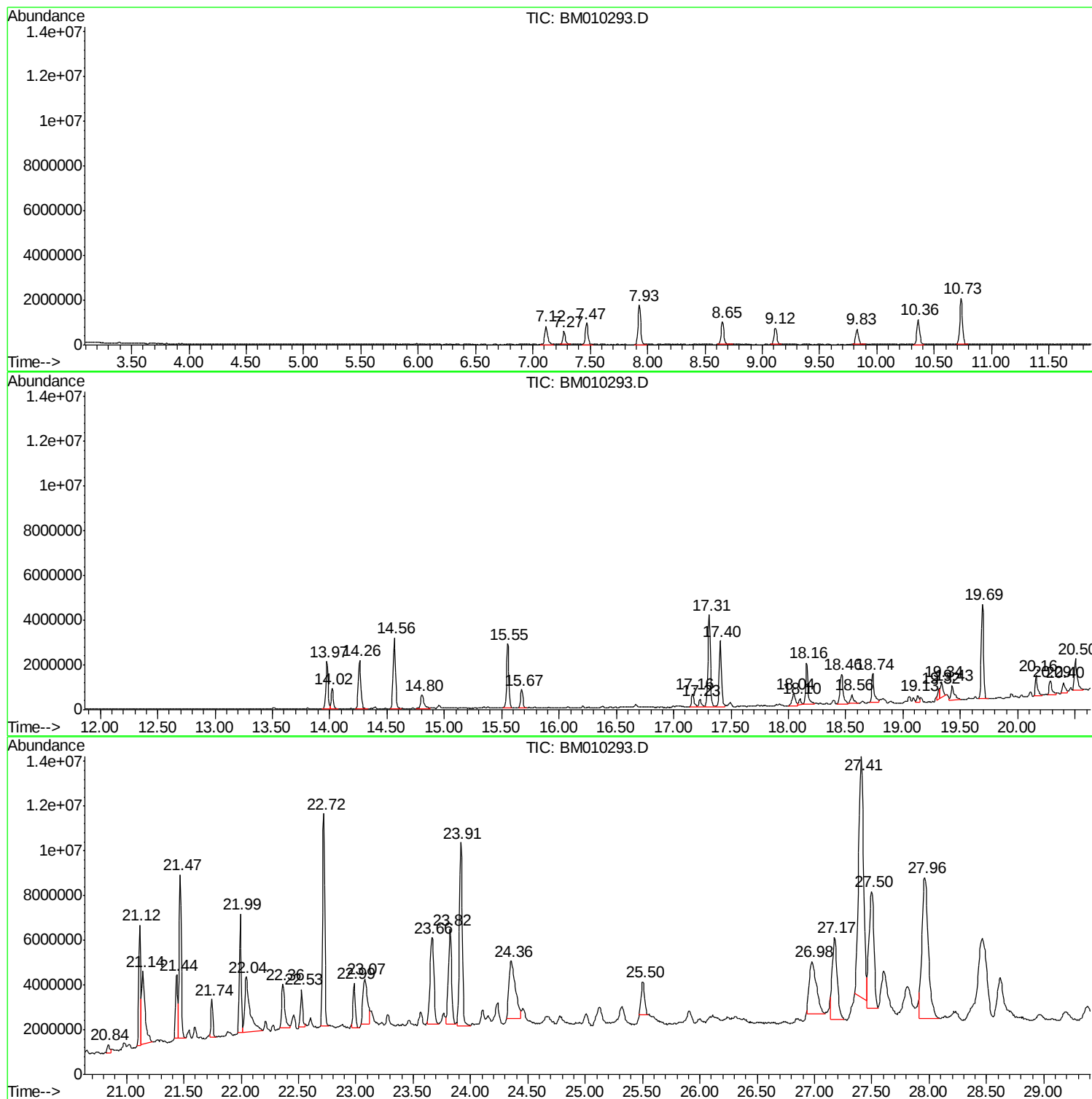
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TIC Library : C:\DATABASE\NIST11.L
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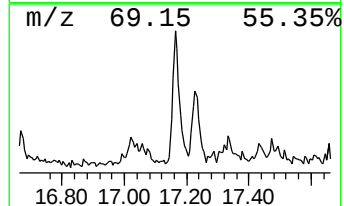
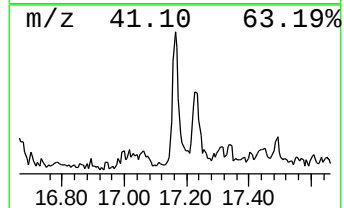
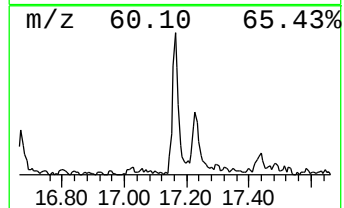
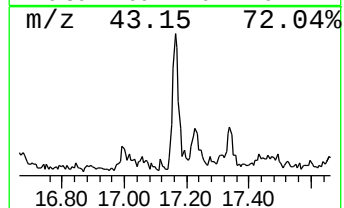
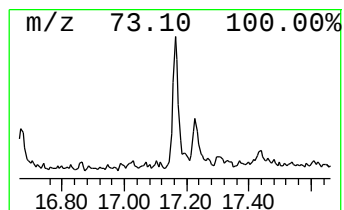
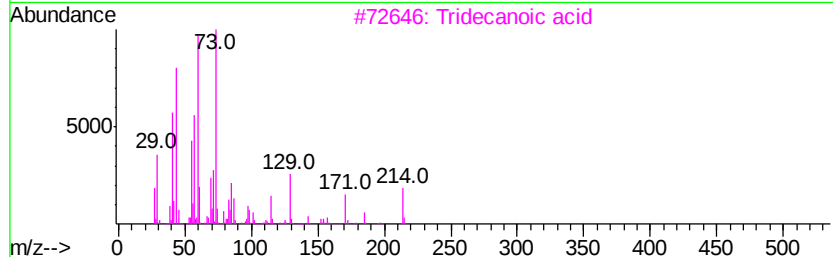
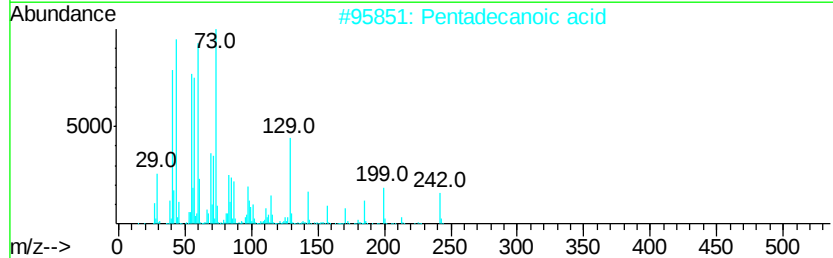
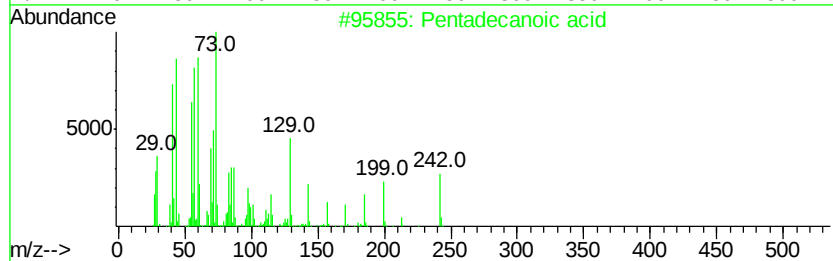
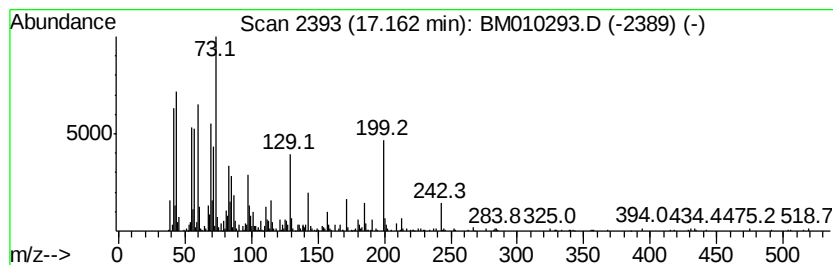
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 Pentadecanoic acid Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.16	3.04 ng/ul	906238	Phenanthrene-d10	17.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	92
3		Tridecanoic acid	214	C13H26O2	000638-53-9	78
4		n-Decanoic acid	172	C10H20O2	000334-48-5	60
5		Dodecanoic acid	200	C12H24O2	000143-07-7	55



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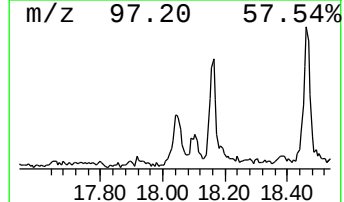
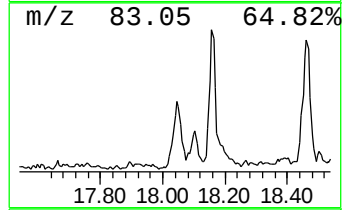
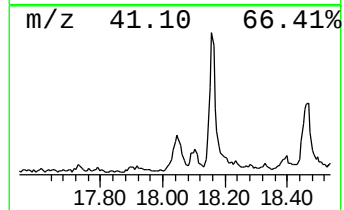
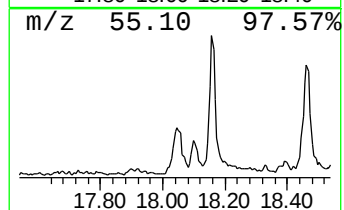
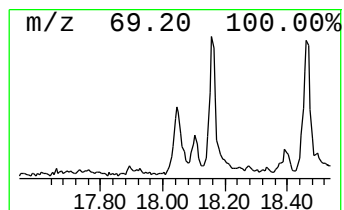
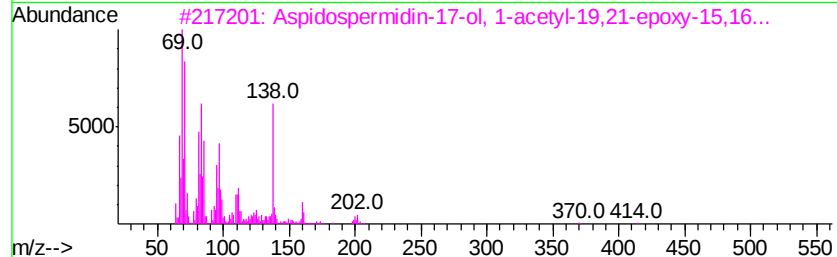
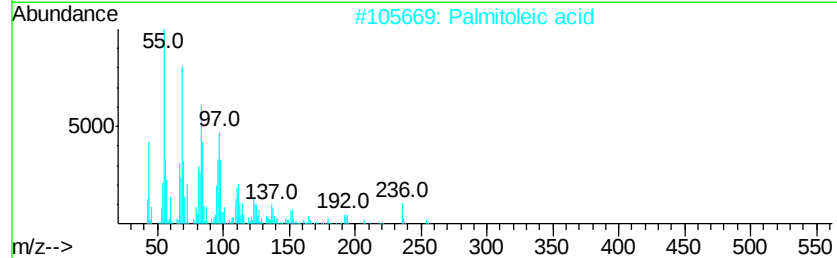
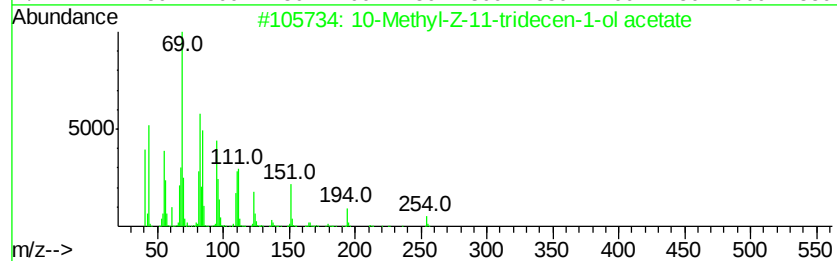
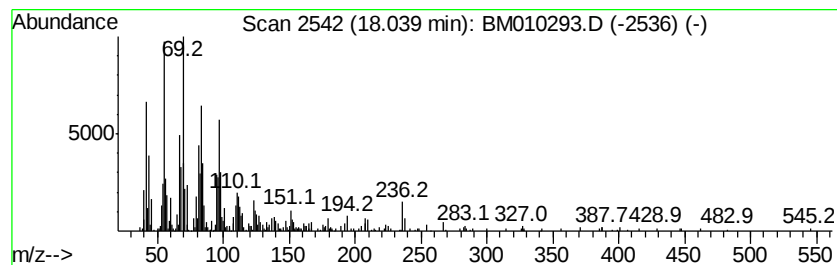
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

Peak Number 2 10-Methyl-Z-11-tridecen-1-o... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	4.04 ng/ul	1205730	Phenanthrene-d10	17.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	10-Methyl-Z-11-tridecen-1-ol ace...	254	C16H30O2	1000130-76-2	89
2		Palmitoleic acid	254	C16H30O2	000373-49-9	80
3		Aspidospermidin-17-ol, 1-acetyl-...	414	C23H30N2O5	002122-26-1	74
4		Erucic acid	338	C22H42O2	000112-86-7	46
5		9-Hexadecenoic acid	254	C16H30O2	002091-29-4	46



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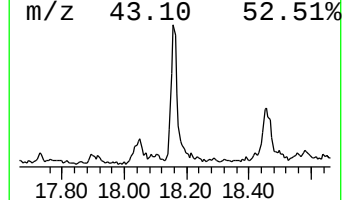
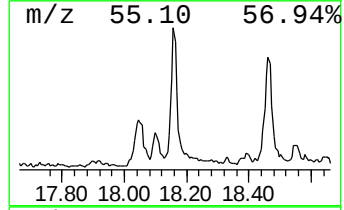
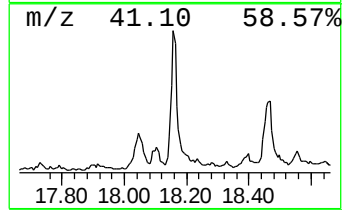
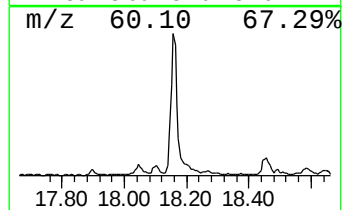
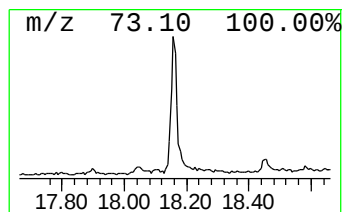
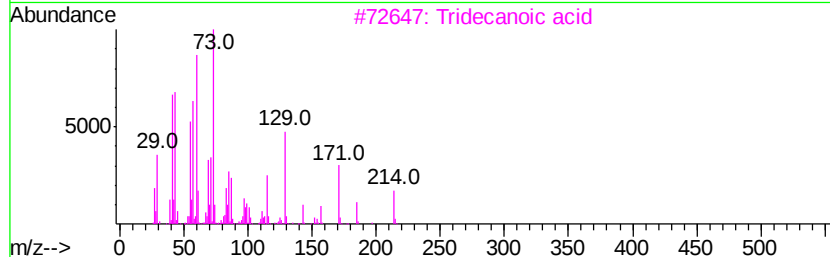
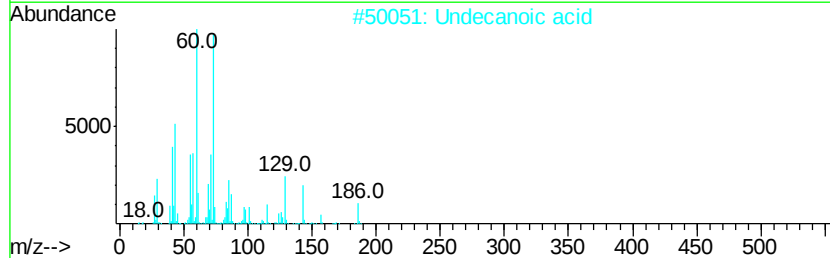
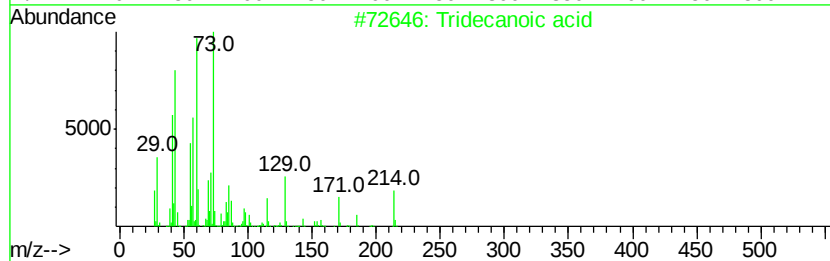
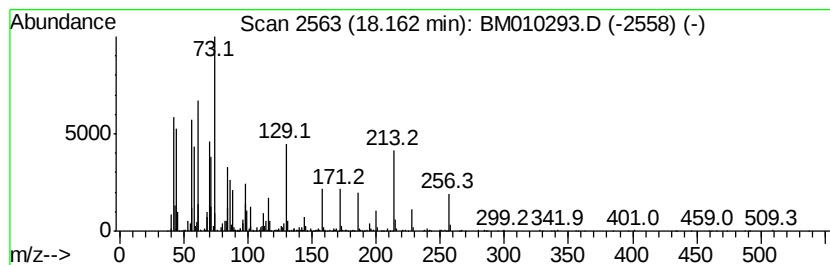
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 Tridecanoic acid Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	9.20 ng/ul	2746610	Phenanthrene-d10	17.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecanoic acid	214	C13H26O2	000638-53-9	93
2		Undecanoic acid	186	C11H22O2	000112-37-8	86
3		Tridecanoic acid	214	C13H26O2	000638-53-9	78
4		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	78
5		Pentadecanoic acid	242	C15H30O2	001002-84-2	58



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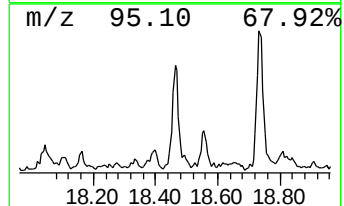
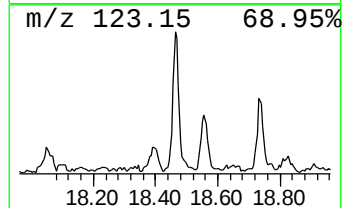
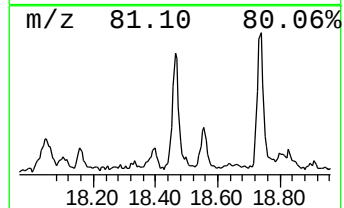
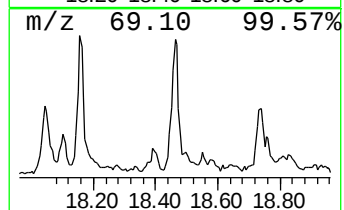
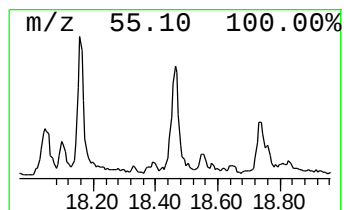
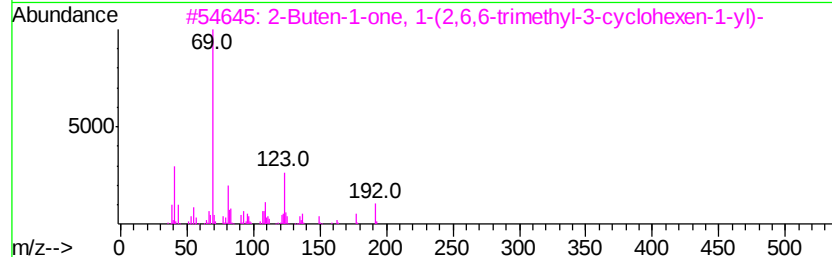
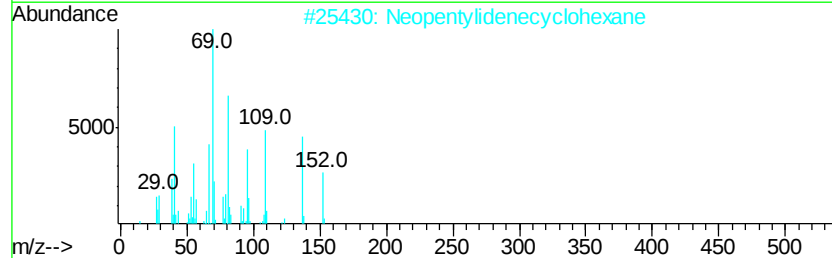
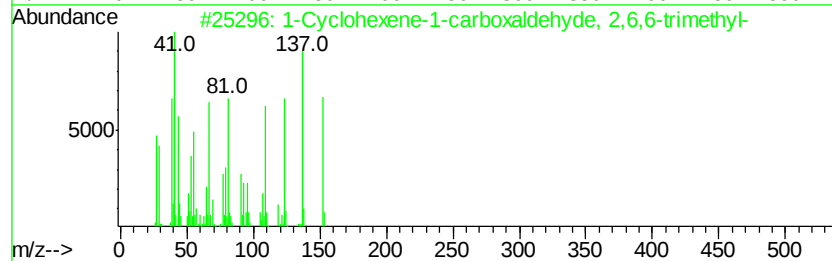
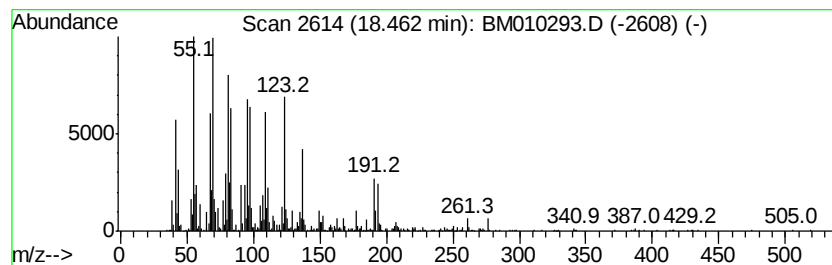
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Peak Number 4 1-Cyclohexene-1-carboxaldeh... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.		
18.46	8.41 ng/ul	2509380	Phenanthrene-d10	17.31		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1-Cyclohexene-1-carboxaldehde, ...	152	C10H16O	000432-25-7	55
2		Neopentylidenecyclohexane	152	C11H20	039546-80-0	49
3		2-Buten-1-one, 1-(2,6,6-trimethv...	192	C13H20O	041436-42-4	42
4		6-Nitroundec-5-ene	199	C11H21NO2	1000192-40-3	38
5		5,9,13-Pentadecatrien-2-one, 6,1...	262	C18H30O	001117-52-8	38



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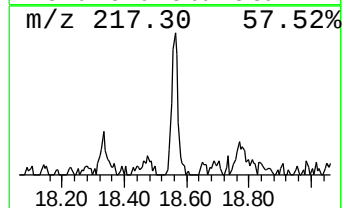
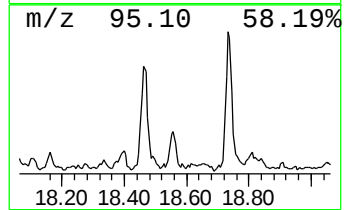
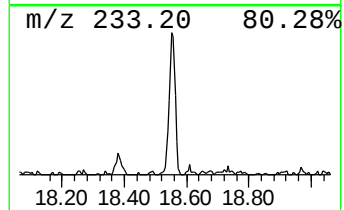
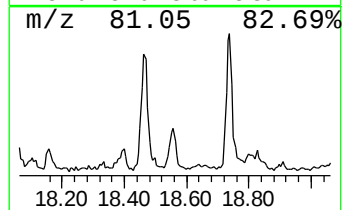
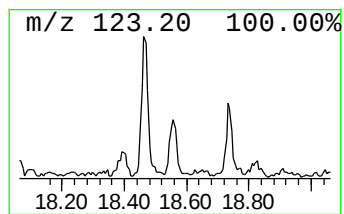
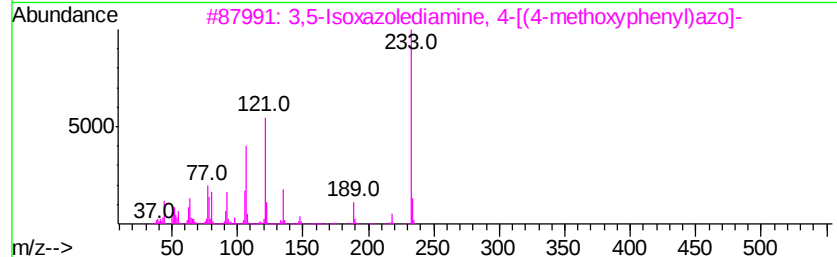
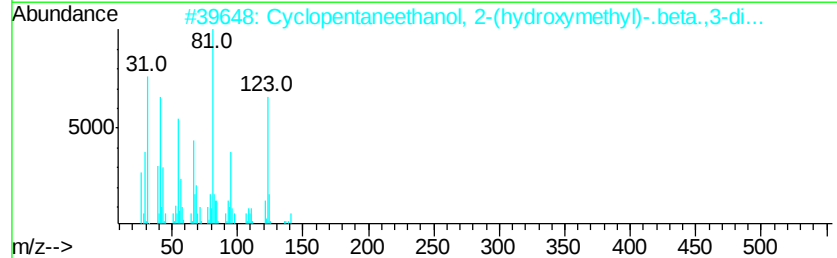
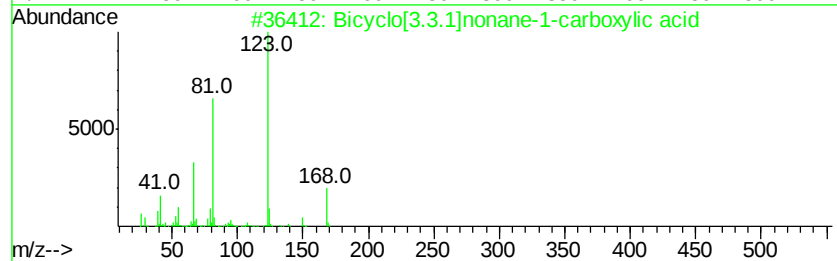
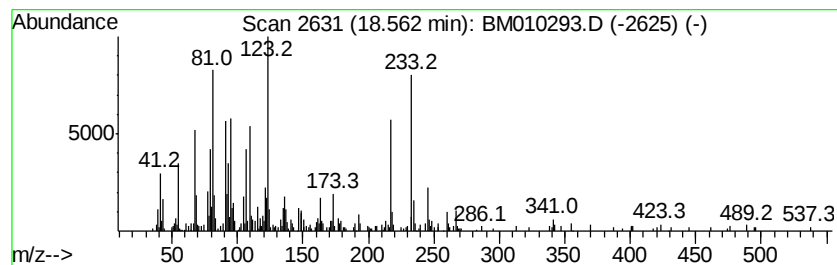
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ClientSampleId :
JHSF2

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

Peak Number 5 unknown-01 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.56	2.26 ng/ul	674256	Phenanthrene-d10	17.31	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.3.1]nonane-1-carboxyli...	168	C10H16O2	017530-63-1	30
2	Cyclopentaneethanol, 2-(hydroxym...	172	C10H20O2	000485-42-7	22
3	3,5-Isoxazolediamine, 4-[(4-meth...	233	C10H11N5O2	1000337-35-4	18
4	Benzeneacetic acid, 4-fluoro-.al...	168	C8H5FO3	002251-76-5	14
5	3-Fluorobenzoic acid, 3,5-dimeth...	250	C15H19FO2	1000279-01-8	14



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052717\
Data File : BM010293.D
Acq On : 28 May 2017 01:44
Operator : SJ/MA
Sample : I3162-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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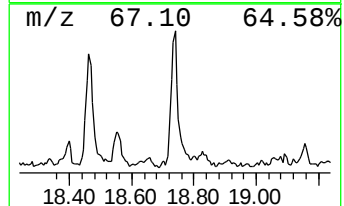
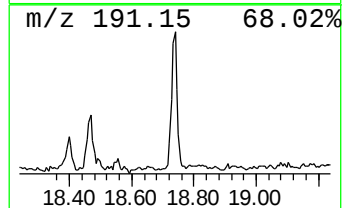
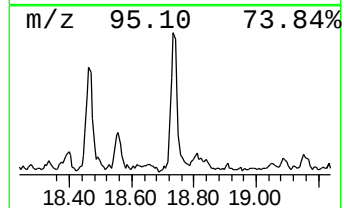
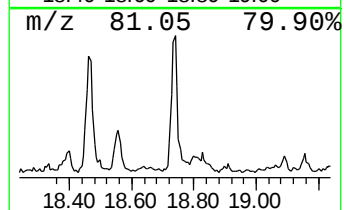
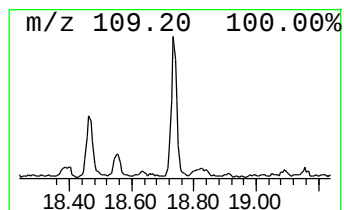
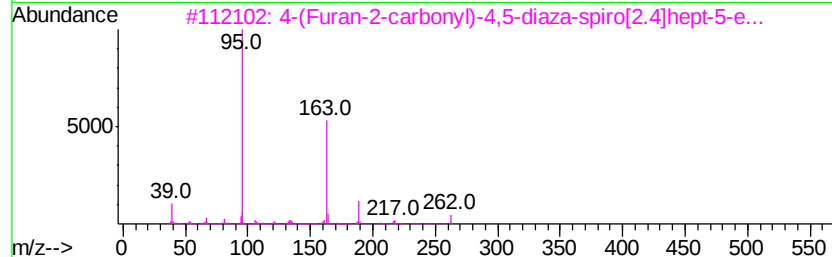
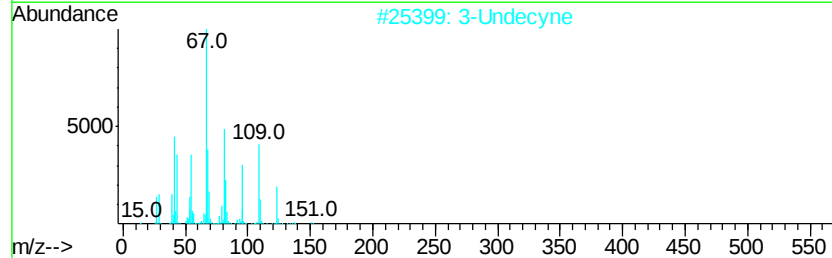
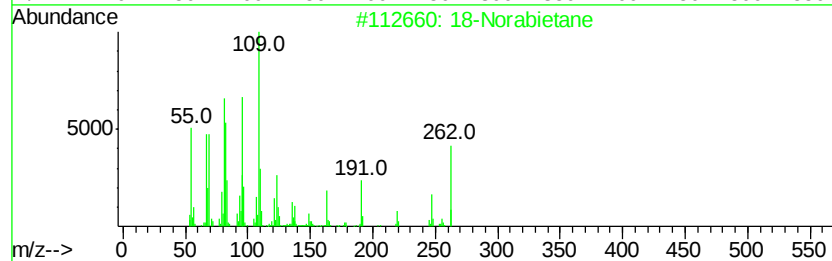
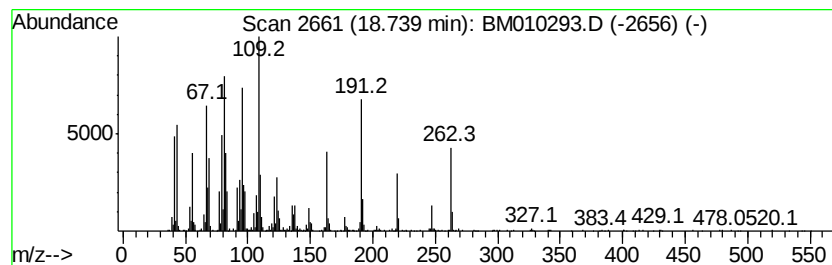
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 18-Norabietane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	7.19 ng/ul	2146490	Phenanthrene-d10	17.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	18-Norabietane	262	C19H34	1000293-16-6	91
2		3-Undecyne	152	C11H20	060212-30-8	46
3		4-(Furan-2-carbonyl)-4,5-diaza-s...	262	C13H14N2O4	1000276-03-0	27
4		2(1H)-Pyridinone, 1-methyl-	109	C6H7NO	000694-85-9	27
5		(7a-Isopropenyl-4,5-dimethylocta...	222	C15H26O	1000187-02-9	27



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052717\
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Acq On : 28 May 2017 01:44
Operator : SJ/MA
Sample : I3162-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

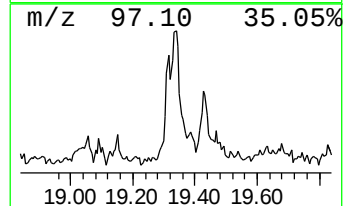
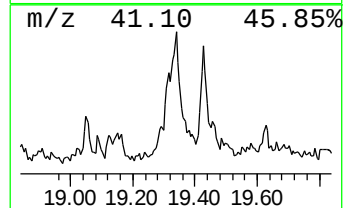
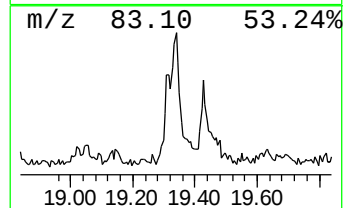
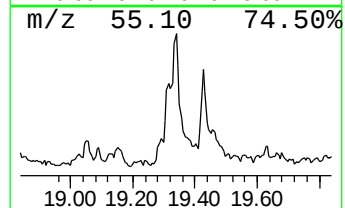
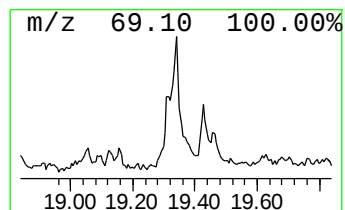
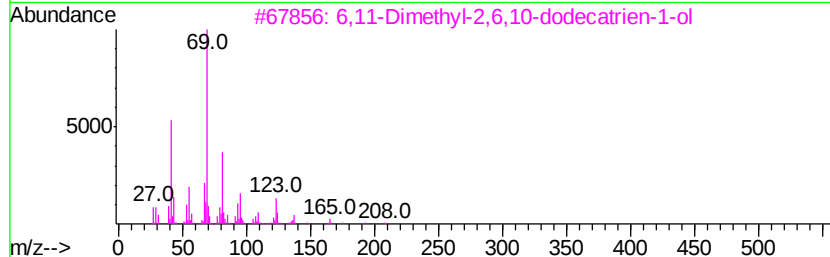
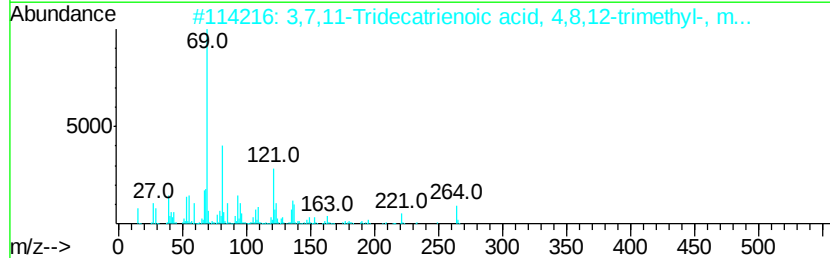
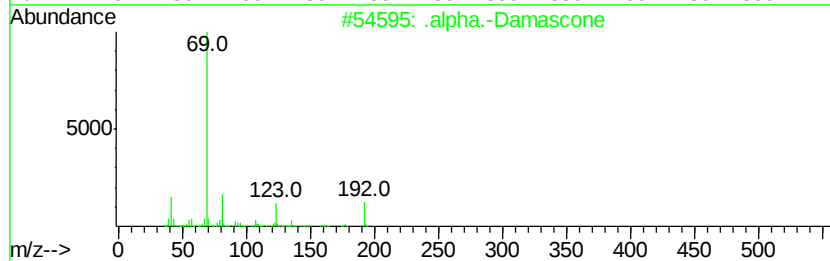
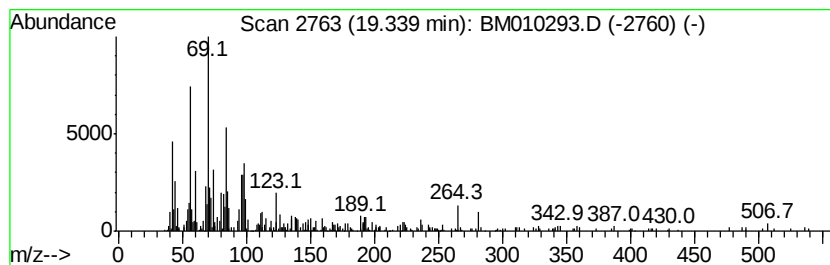
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

Peak Number 7 .alpha.-Damascone Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.34	3.51 ng/ul	1046500	Phenanthrene-d10	17.31	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Damascone	192	C13H20O	031089-90-4	53
2	3,7,11-Tridecatricienoic acid, 4,8...	264	C17H28O2	036237-70-4	53
3	6,11-Dimethyl-2,6,10-dodecatricien...	208	C14H24O	1000196-53-3	50
4	Cyclopropylcarboxylic acid, 2,4,...	264	C10H7Cl3O2	1000325-67-6	47
5	Squalene	410	C30H50	000111-02-4	47



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052717\
Data File : BM010293.D
Acq On : 28 May 2017 01:44
Operator : SJ/MA
Sample : I3162-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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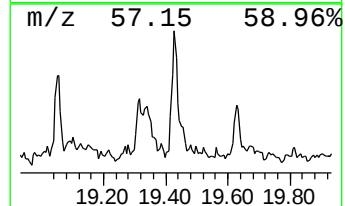
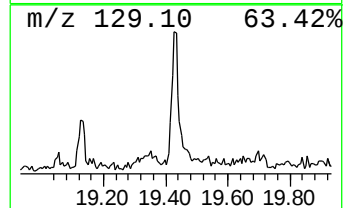
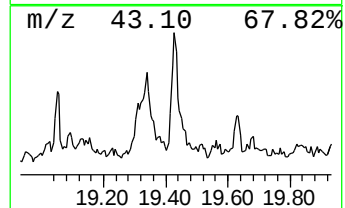
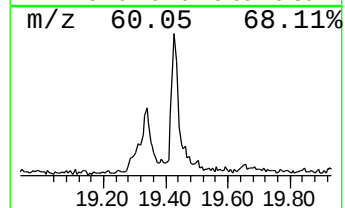
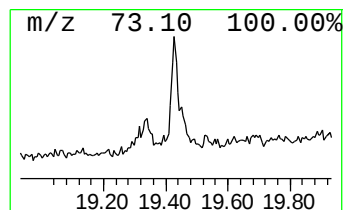
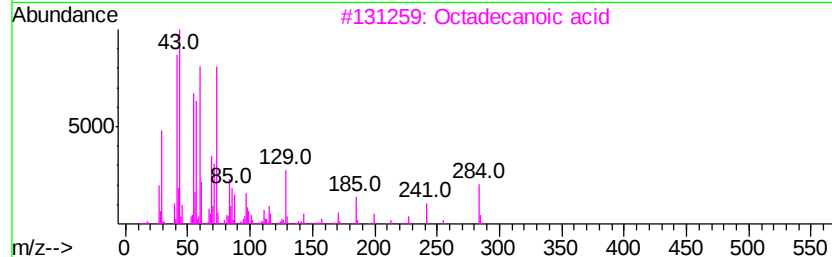
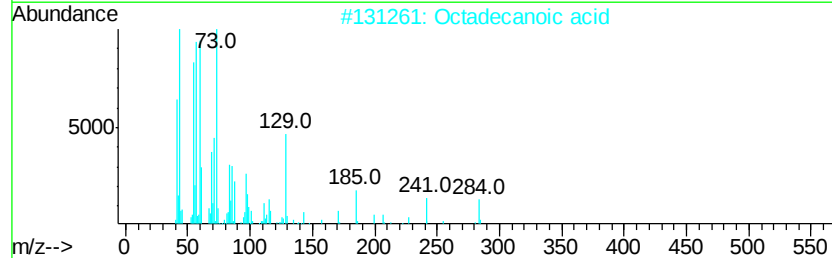
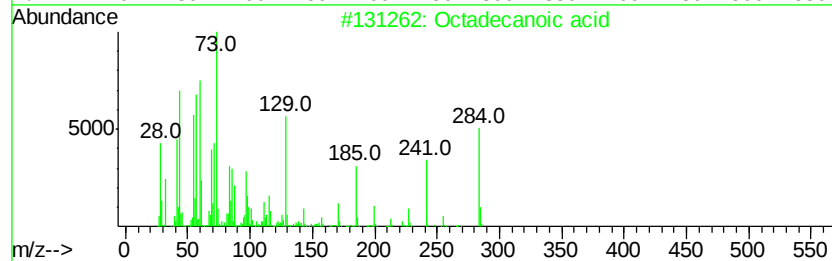
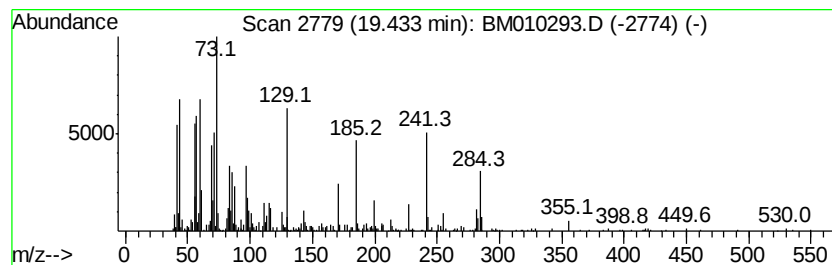
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 Octadecanoic acid Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.43	2.86 ng/ul	1282140	Chrysene-d12	21.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid	284	C18H36O2	000057-11-4	95
2		Octadecanoic acid	284	C18H36O2	000057-11-4	93
3		Octadecanoic acid	284	C18H36O2	000057-11-4	89
4		Octadecanoic acid, 2-(2-hydroxyve...	372	C22H44O4	000106-11-6	86
5		Octadecanoic acid	284	C18H36O2	000057-11-4	70



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052717\
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Acq On : 28 May 2017 01:44
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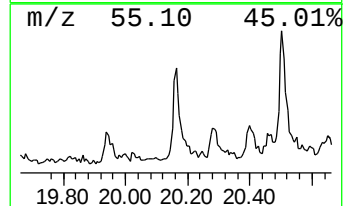
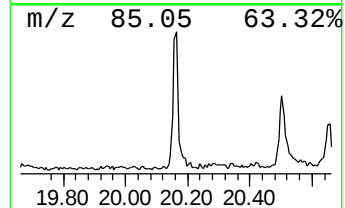
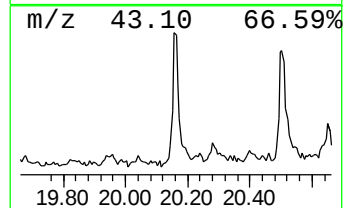
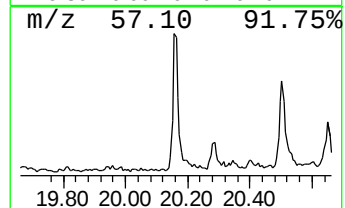
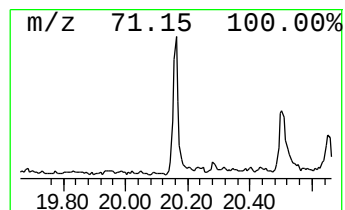
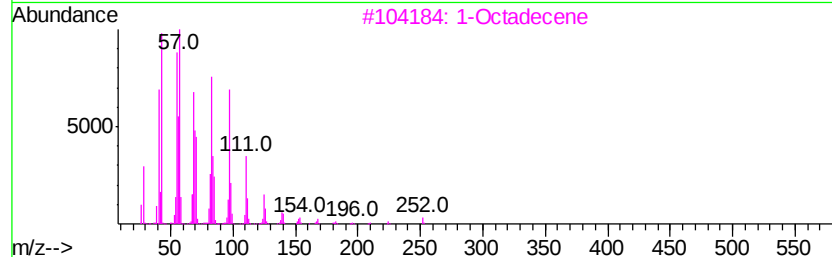
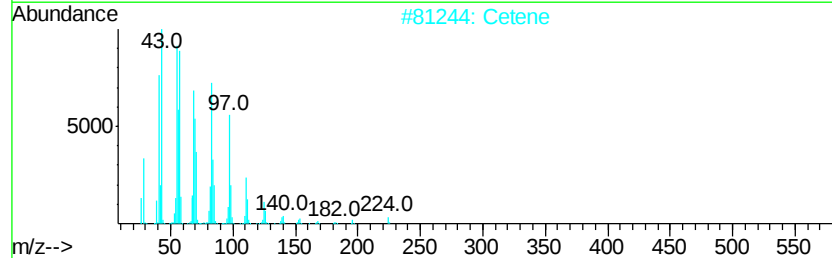
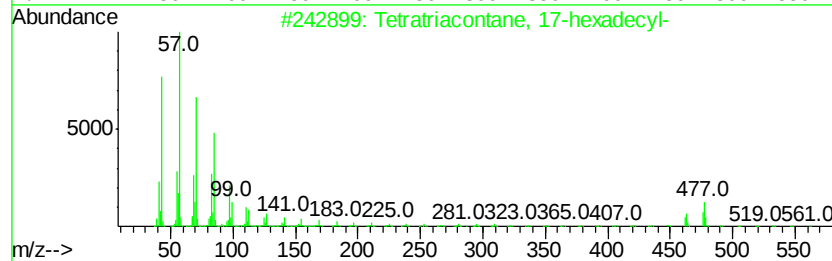
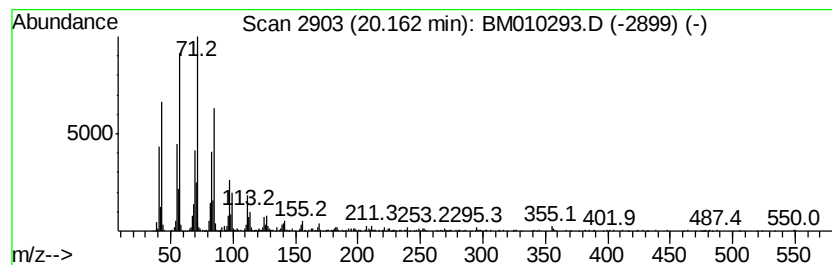
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.16	2.99 ng/ul	1340970	Chrysene-d12	21.47
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Tetratriacontane, 17-hexadecyl-	703 C50H102	055256-07-0 91
2		Cetene	224 C16H32	000629-73-2 56
3		1-Octadecene	252 C18H36	000112-88-9 56
4		Oxalic acid, hexadecyl propyl ester	356 C21H40O4	1000309-26-9 49
5		Ethanol, 2-(tetradecyloxy)-	258 C16H34O2	002136-70-1 45



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052717\
Data File : BM010293.D
Acq On : 28 May 2017 01:44
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Sample : I3162-11
Misc :
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ClientSampleId :
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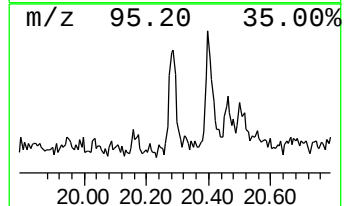
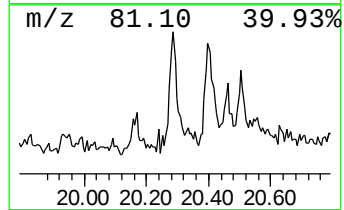
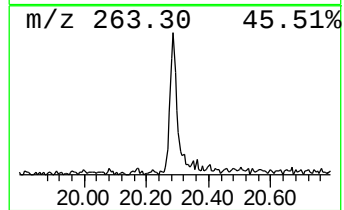
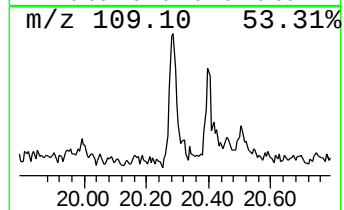
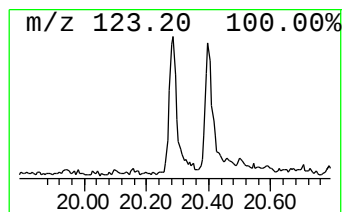
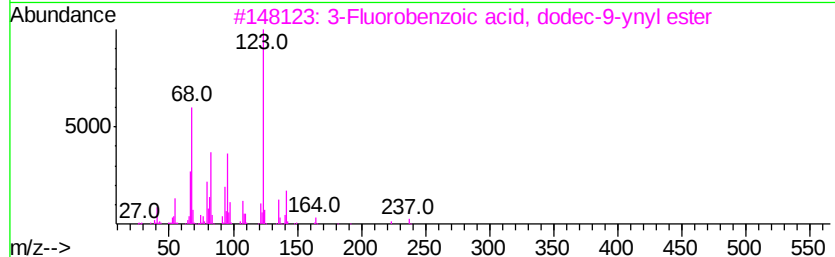
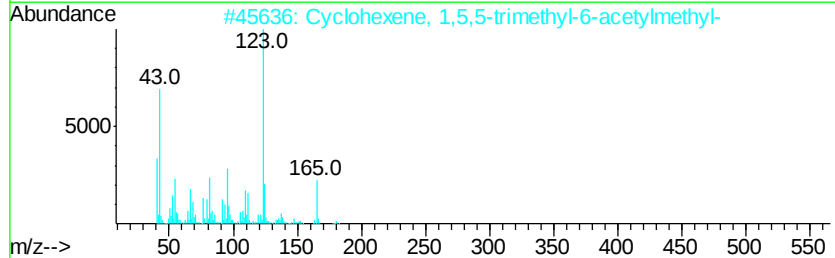
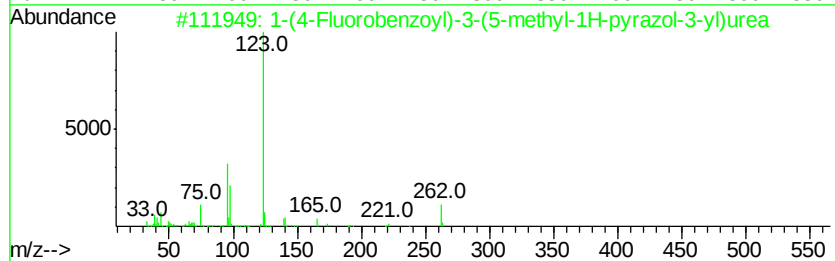
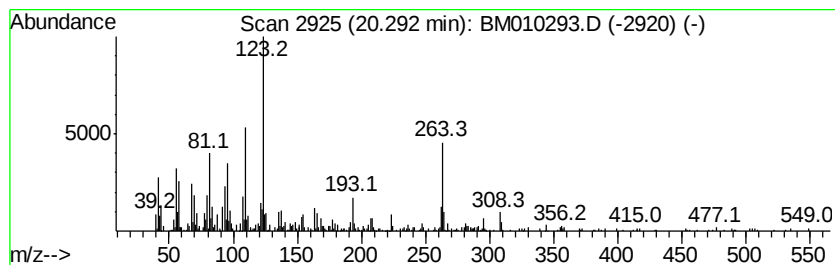
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 unknown-02 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.29	2.36 ng/ul	1059860	Chrysene-d12	21.47

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-(4-Fluorobenzoyl)-3-(5-methyl-...	262	C12H11FN4O2	1000303-28-3	45
2			Cyclohexene, 1,5,5-trimethyl-6-a...	180	C12H20O	211563-96-1	43
3			3-Fluorobenzoic acid, dodec-9-vn...	304	C19H25F02	1000283-01-6	43
4			photocitral A	152	C10H16O	055253-28-6	38
5			Benzeneacetic acid, .alpha.,4-di...	168	C8H8O4	001198-84-1	35



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052717\
Data File : BM010293.D
Acq On : 28 May 2017 01:44
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Sample : I3162-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

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ClientSampleId :
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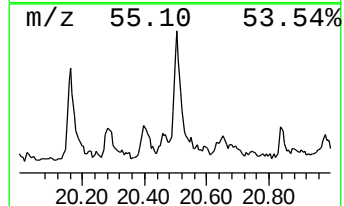
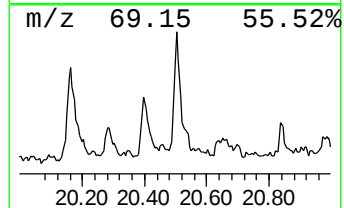
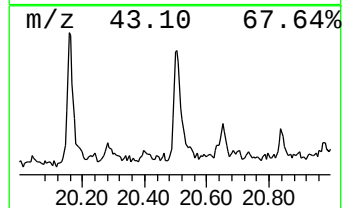
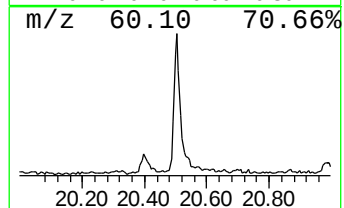
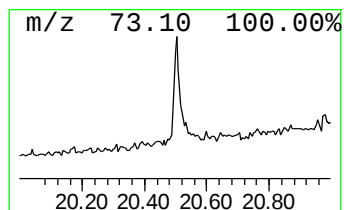
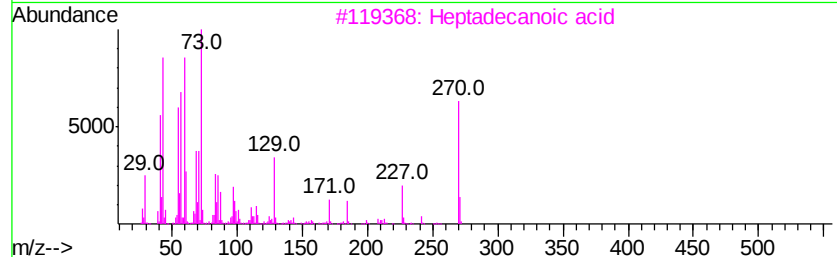
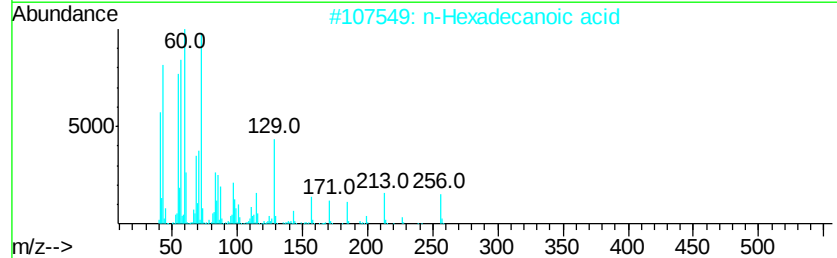
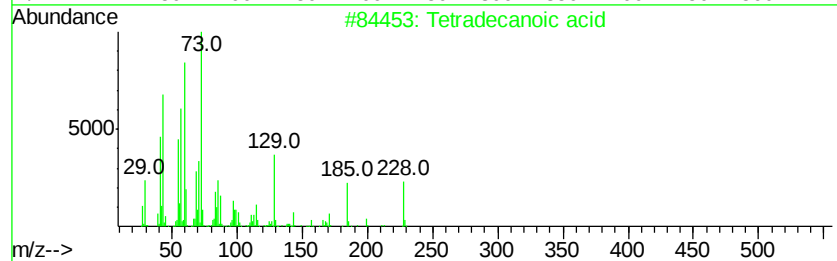
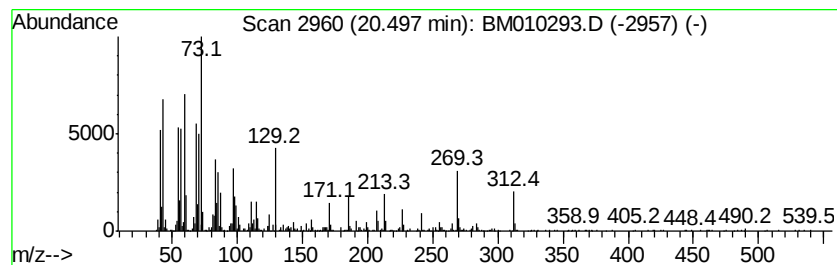
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 Tetradecanoic acid Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.50	4.79 ng/ul	2148590	Chrysene-d12	21.47

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecanoic acid	228	C14H28O2	000544-63-8	92
2			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	89
3			Heptadecanoic acid	270	C17H34O2	000506-12-7	86
4			Heptadecanoic acid	270	C17H34O2	000506-12-7	86
5			Eicosanoic acid	312	C20H40O2	000506-30-9	81



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052717\
Data File : BM010293.D
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Sample : I3162-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHSF2

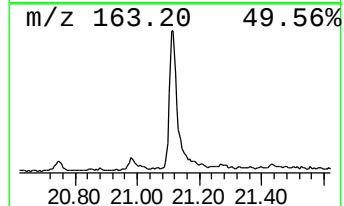
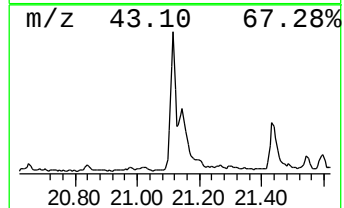
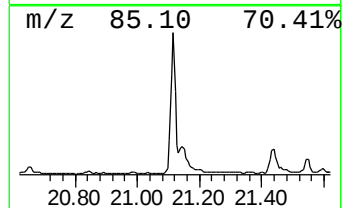
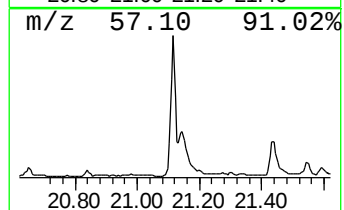
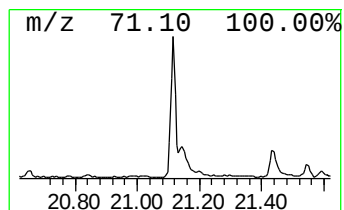
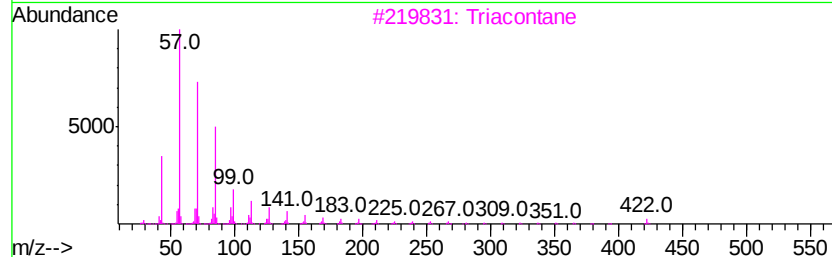
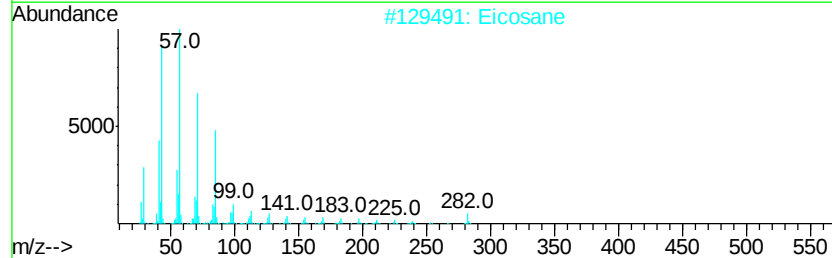
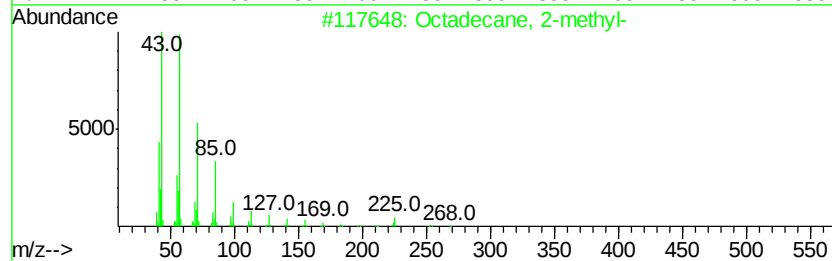
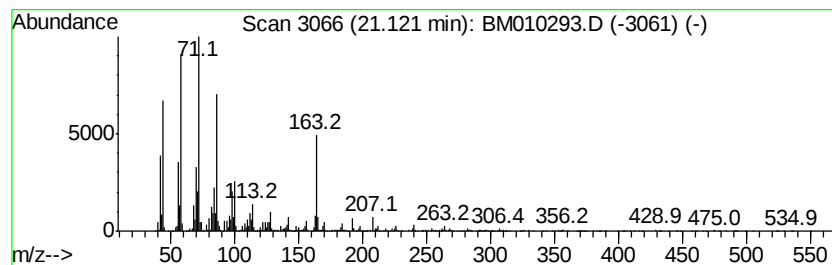
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Quant Title : SVOA CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.12	13.26 ng/ul	5954770	Chrysene-d12	21.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane, 2-methyl-	268	C19H40	001560-88-9	83
2		Eicosane	282	C20H42	000112-95-8	76
3		Triacotane	422	C30H62	000638-68-6	76
4		Octacosane	394	C28H58	000630-02-4	76
5		2-methyloctacosane	408	C29H60	1000376-72-8	76



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052717\
Data File : BM010293.D
Acq On : 28 May 2017 01:44
Operator : SJ/MA
Sample : I3162-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHSF2

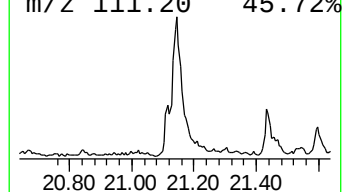
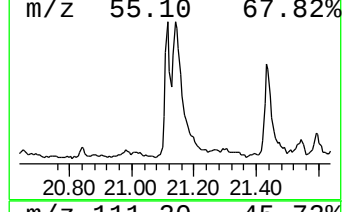
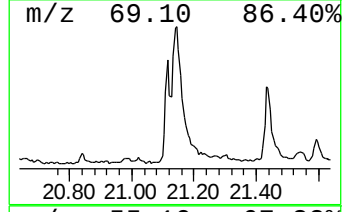
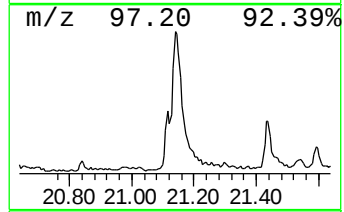
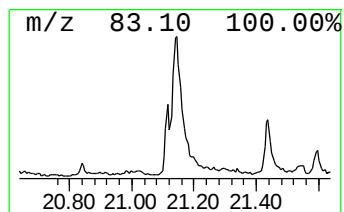
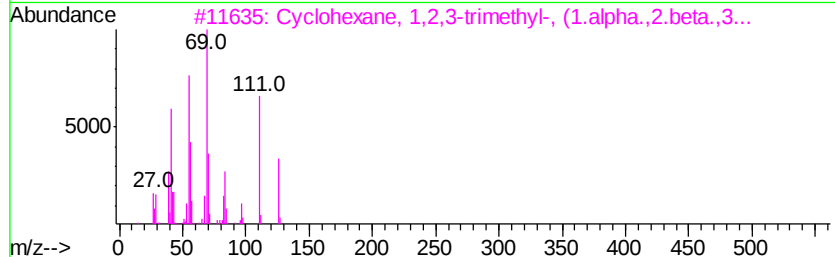
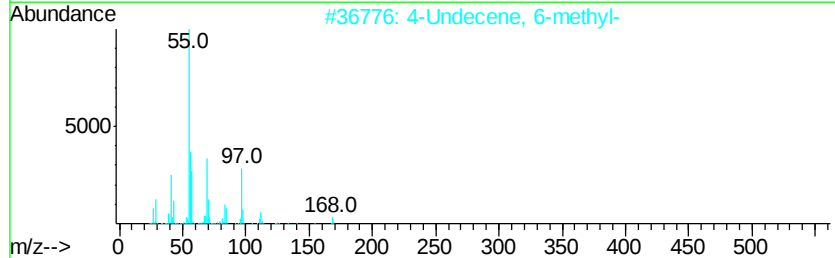
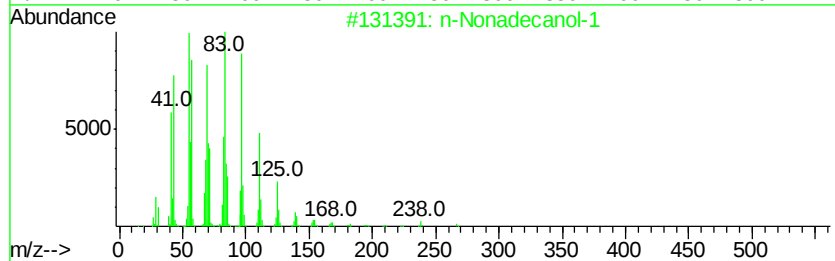
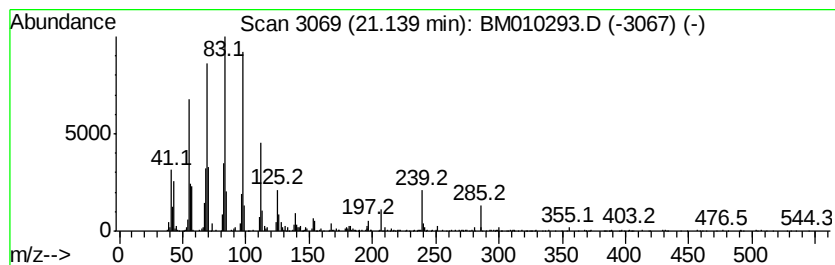
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Quant Title : SVOA CALIBRATION

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

Peak Number 13 n-Nonadecanol-1 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.14	14.62 ng/ul	6563440	Chrysene-d12	21.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Nonadecanol-1	284	C19H40O	001454-84-8	90
2		4-Undecene, 6-methyl-	168	C12H24	1000061-85-4	49
3		Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	43
4		Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	38
5		Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	30



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052717\
Data File : BM010293.D
Acq On : 28 May 2017 01:44
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Sample : I3162-11
Misc :
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Instrument :
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ClientSampleId :
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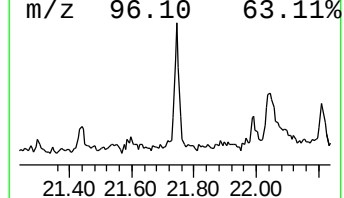
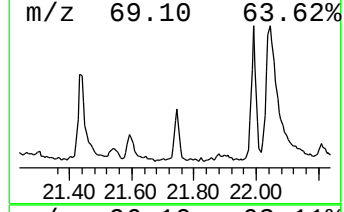
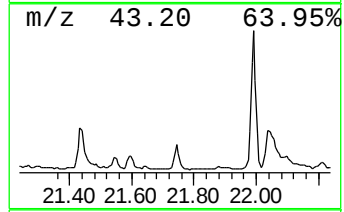
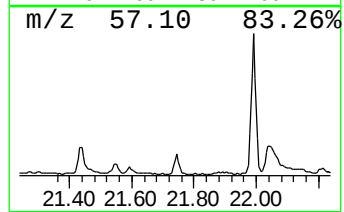
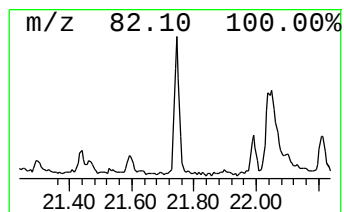
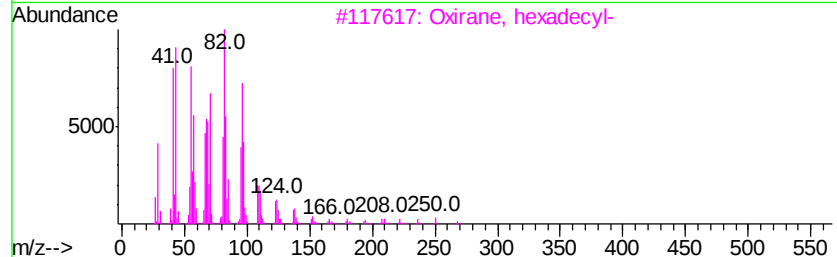
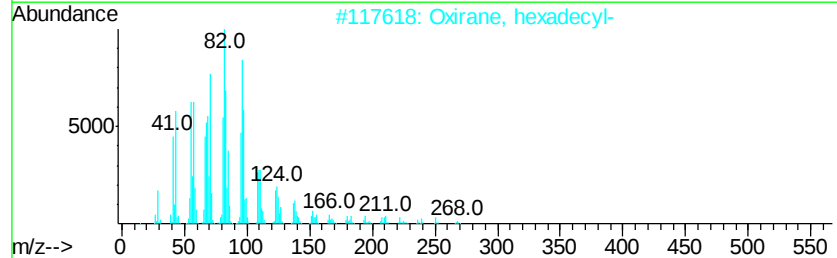
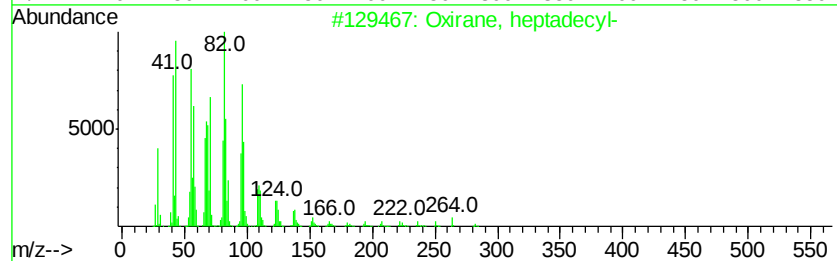
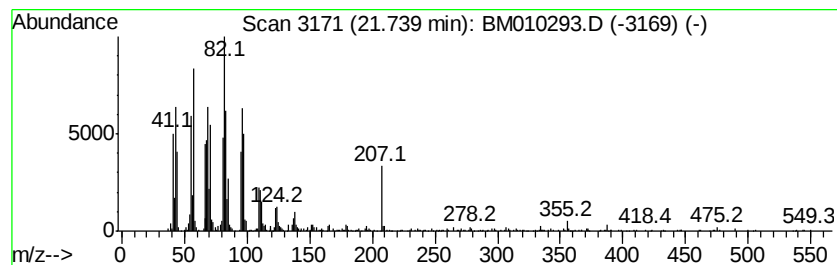
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Quant Title : SVOA CALIBRATION

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

Peak Number 14 Oxirane, heptadecyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.74	4.05 ng/ul	1817220	Chrysene-d12	21.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	94
2		Oxirane, hexadecyl-	268	C18H36O	007390-81-0	94
3		Oxirane, hexadecyl-	268	C18H36O	007390-81-0	94
4		Octadecanal	268	C18H36O	000638-66-4	94
5		Octadecanal	268	C18H36O	000638-66-4	94



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052717\
Data File : BM010293.D
Acq On : 28 May 2017 01:44
Operator : SJ/MA
Sample : I3162-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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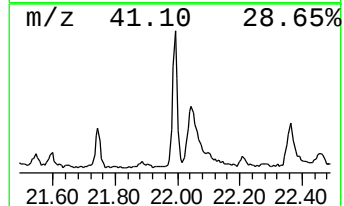
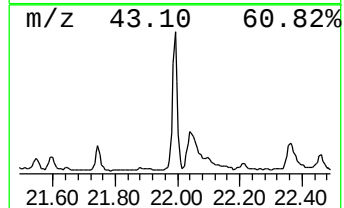
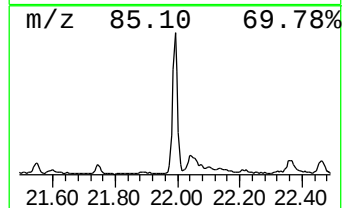
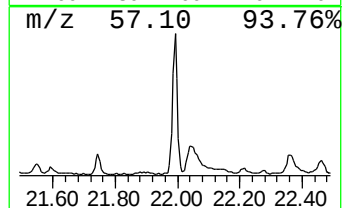
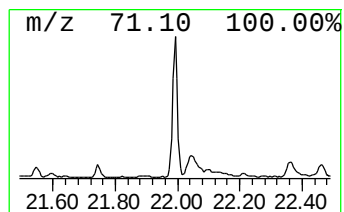
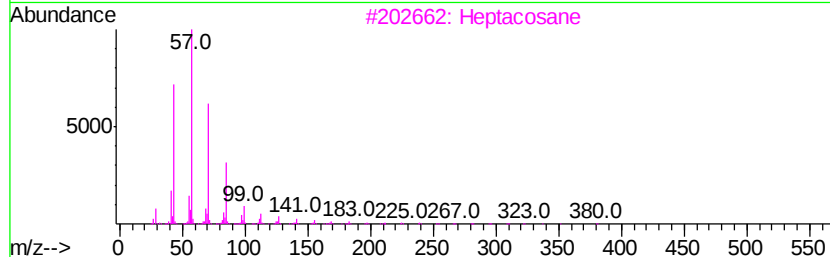
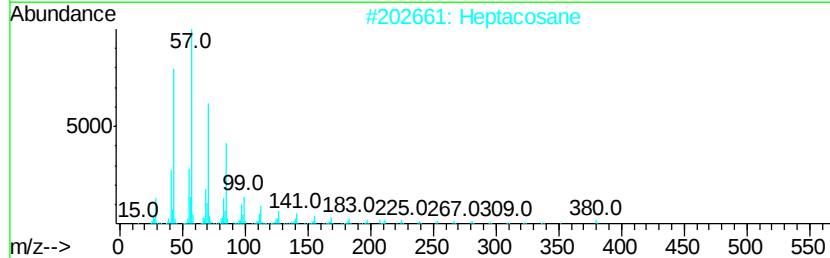
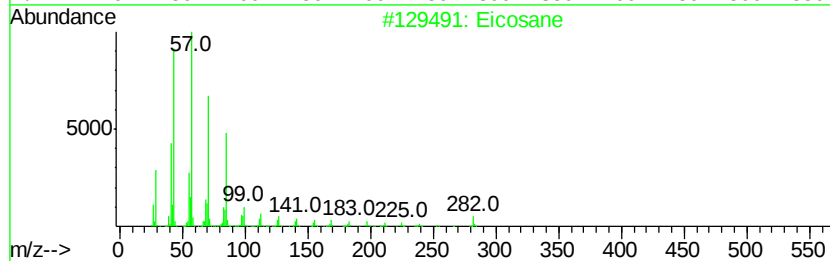
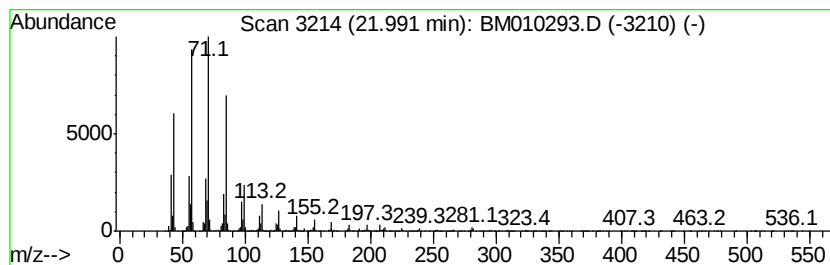
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Quant Title : SVOA CALIBRATION

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.99	13.14 ng/ul	5899220	Chrysene-d12	21.47

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Eicosane	282	C20H42	000112-95-8	91
2			Heptacosane	380	C27H56	000593-49-7	90
3			Heptacosane	380	C27H56	000593-49-7	90
4			Hentriacontane	437	C31H64	000630-04-6	87
5			Hexacosane	366	C26H54	000630-01-3	87



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052717\
Data File : BM010293.D
Acq On : 28 May 2017 01:44
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Misc :
ALS Vial : 25 Sample Multiplier: 1

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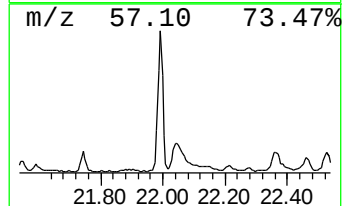
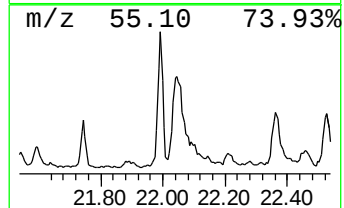
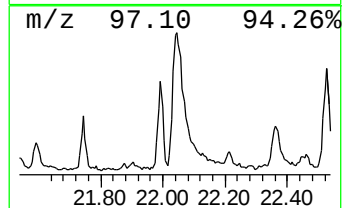
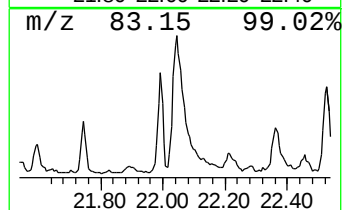
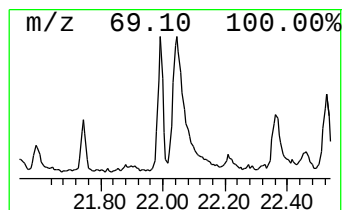
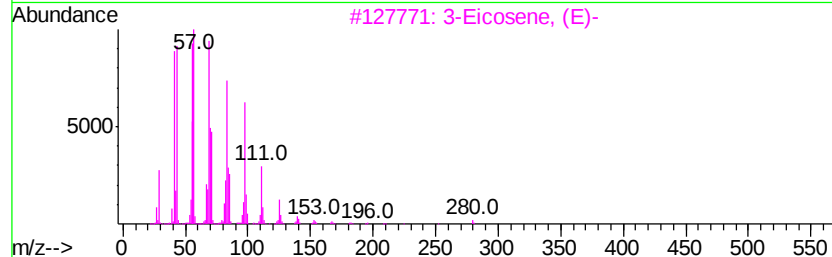
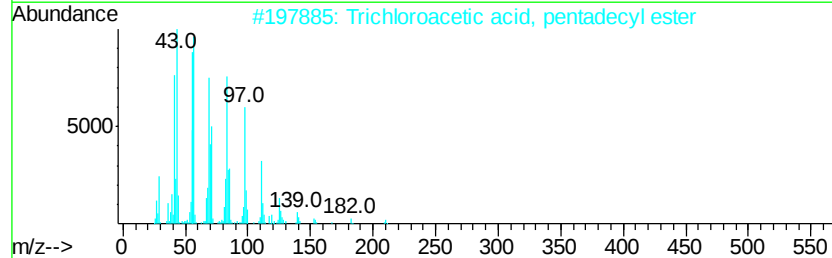
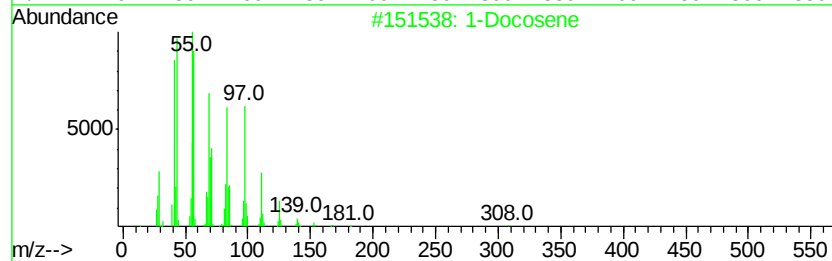
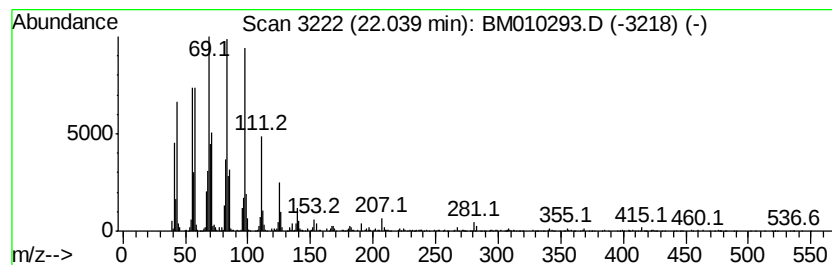
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Quant Title : SVOA CALIBRATION

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

Peak Number 16 (DEL) Alkane: Cyclic22.04 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.04	16.83 ng/ul	7553910	Chrysene-d12	21.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Docosene	308	C22H44	001599-67-3	95
2		Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	91
3		3-Eicosene, (E)-	280	C20H40	074685-33-9	91
4		Behenic alcohol	326	C22H46O	000661-19-8	89
5		Cyclotetracosane	336	C24H48	000297-03-0	87



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052717\
Data File : BM010293.D
Acq On : 28 May 2017 01:44
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ClientSampleId :
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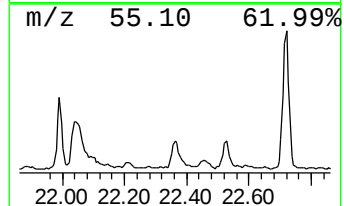
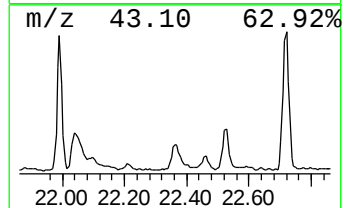
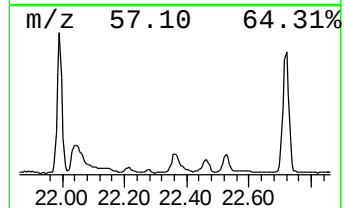
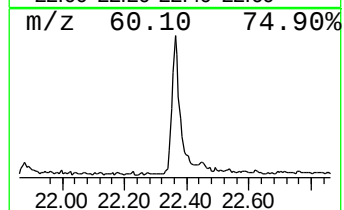
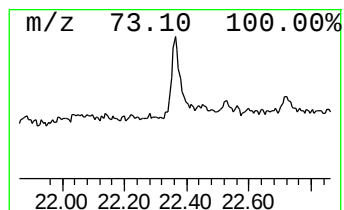
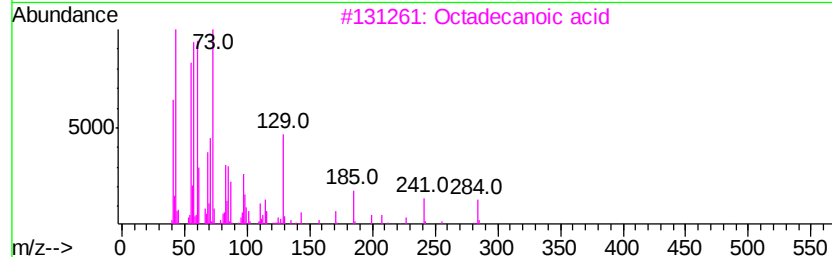
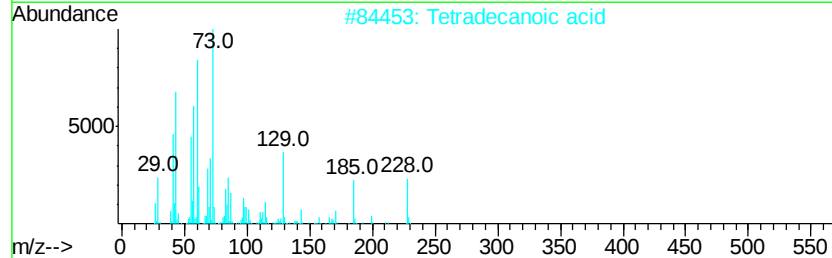
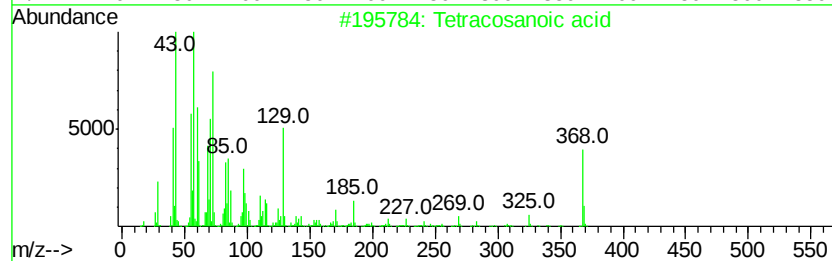
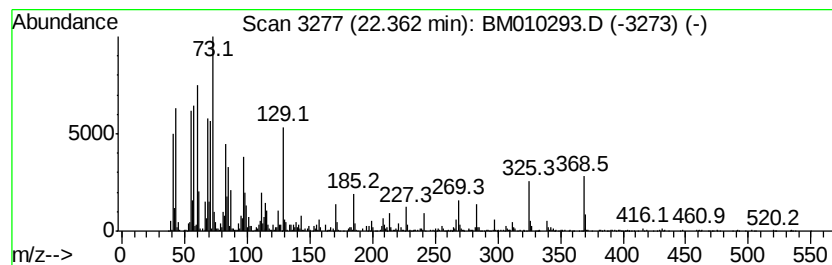
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Quant Title : SVOA CALIBRATION

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

Peak Number 17 Tetracosanoic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.36	8.23 ng/ul	3693140	Chrysene-d12	21.47

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetracosanoic acid	368	C24H48O2	000557-59-5	97
2			Tetradecanoic acid	228	C14H28O2	000544-63-8	78
3			Octadecanoic acid	284	C18H36O2	000057-11-4	74
4			Tetracosanoic acid	368	C24H48O2	000557-59-5	58
5			Tridecanoic acid	214	C13H26O2	000638-53-9	50



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052717\
Data File : BM010293.D
Acq On : 28 May 2017 01:44
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Sample : I3162-11
Misc :
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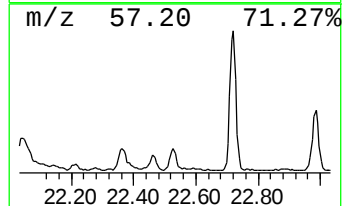
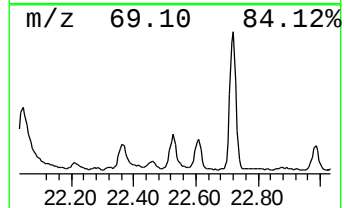
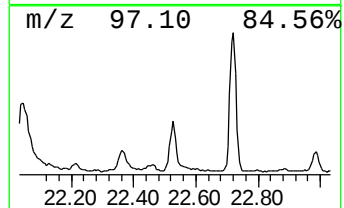
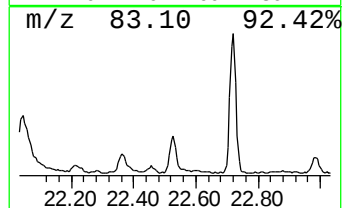
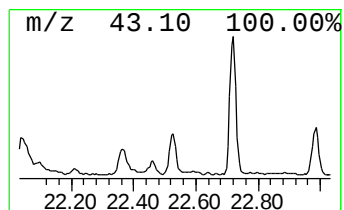
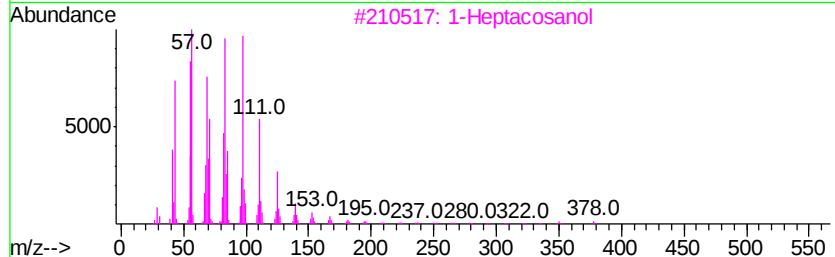
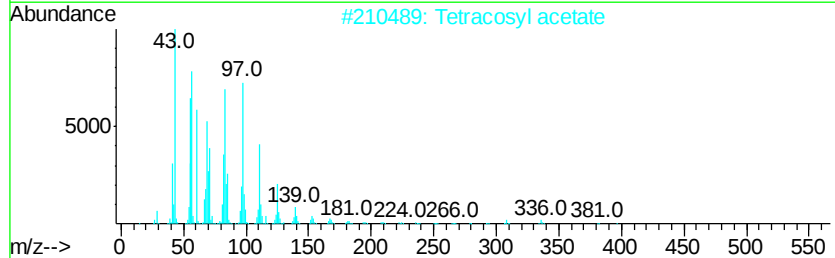
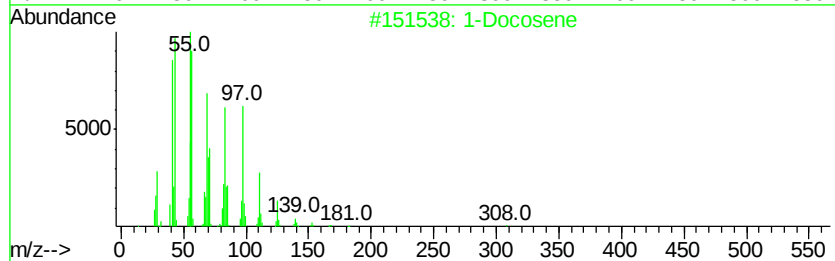
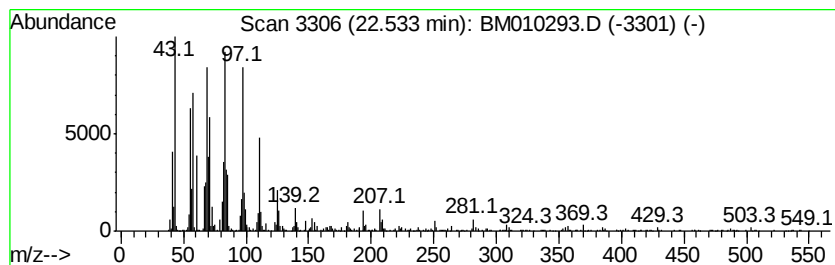
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Quant Title : SVOA CALIBRATION

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

Peak Number 18 (DEL) Alkane: Cyclic22.53 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.53	5.11 ng/ul	2294440	Chrysene-d12	21.47

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Docosene	308	C22H44	001599-67-3	92
2			Tetracosyl acetate	396	C26H52O2	1000351-78-1	86
3			1-Heptacosanol	396	C27H56O	002004-39-9	86
4			1-Docosanol, acetate	368	C24H48O2	000822-26-4	76
5			Tricosyl acetate	382	C25H50O2	1000351-77-8	76



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Acq On : 28 May 2017 01:44
Operator : SJ/MA
Sample : I3162-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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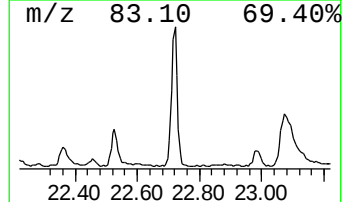
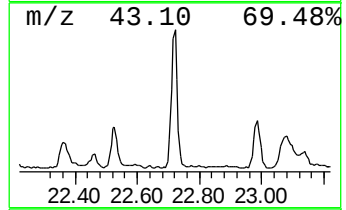
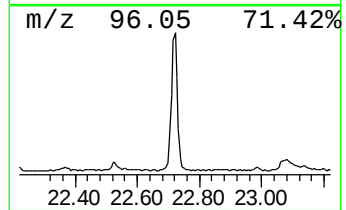
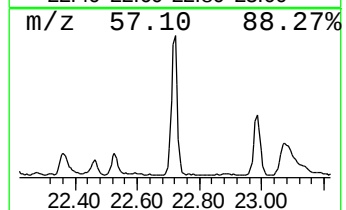
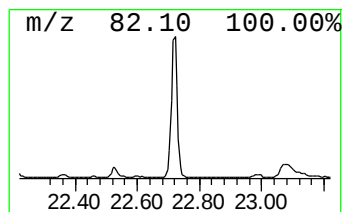
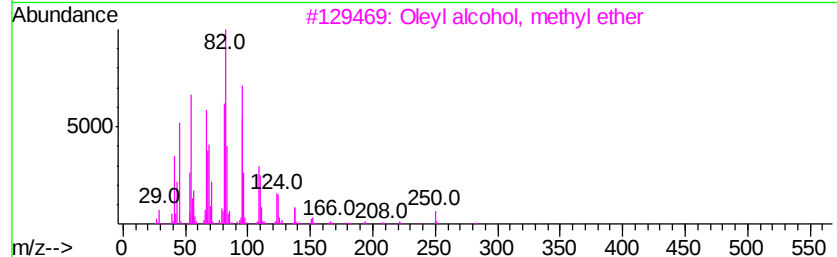
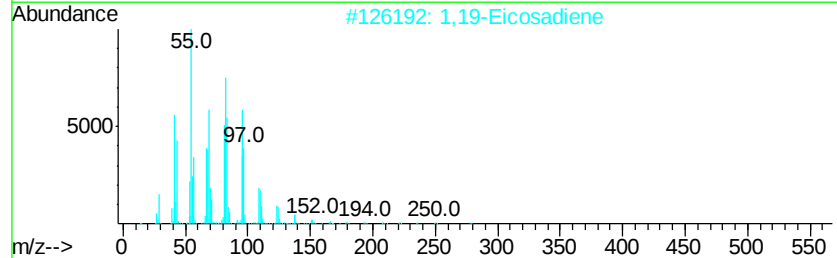
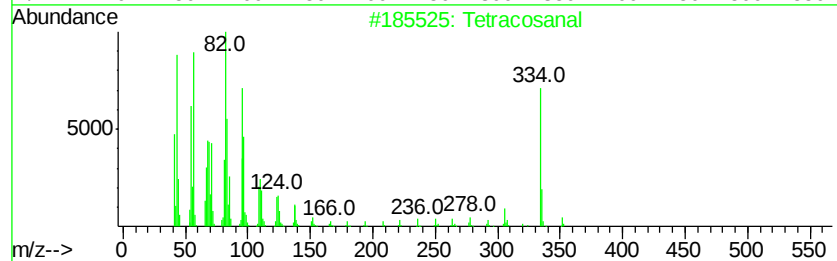
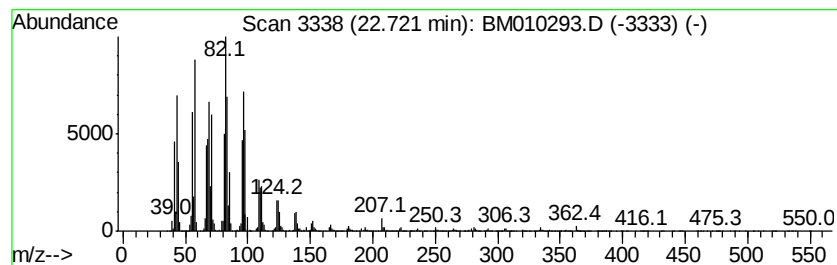
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Quant Title : SVOA CALIBRATION

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

Peak Number 19 Tetracosanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.72	29.65 ng/ul	12505800	Perylene-d12	23.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracosanal	352	C24H48O	057866-08-7	94
2		1,19-Eicosadiene	278	C20H38	014811-95-1	93
3		Olevl alcohol, methvl ether	282	C19H38O	1000352-68-0	93
4		17-Octadecenal	266	C18H34O	056554-86-0	91
5		Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052717\
Data File : BM010293.D
Acq On : 28 May 2017 01:44
Operator : SJ/MA
Sample : I3162-11
Misc :
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Instrument :
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ClientSampleId :
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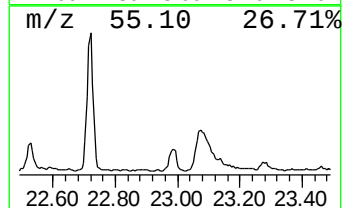
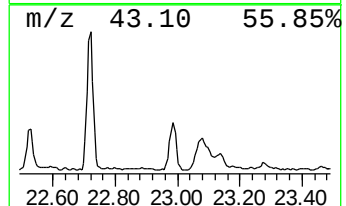
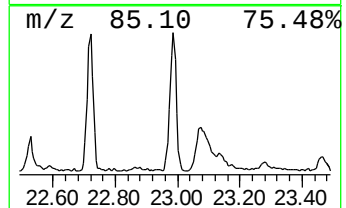
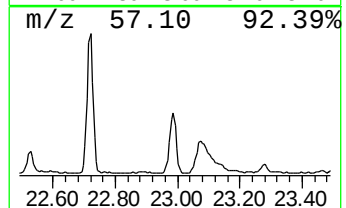
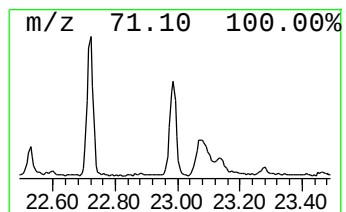
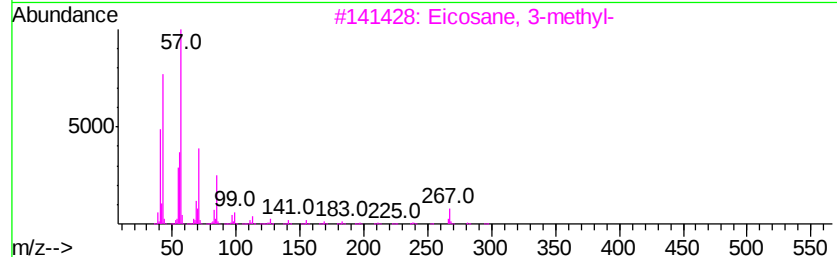
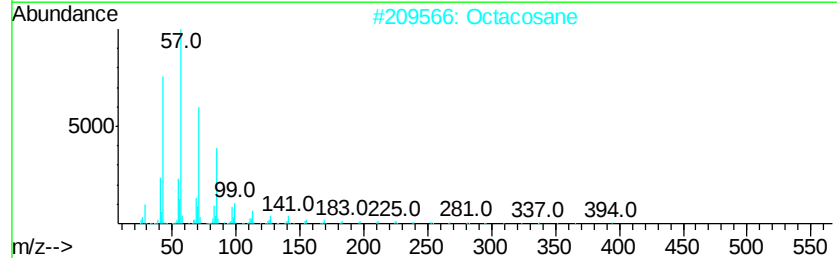
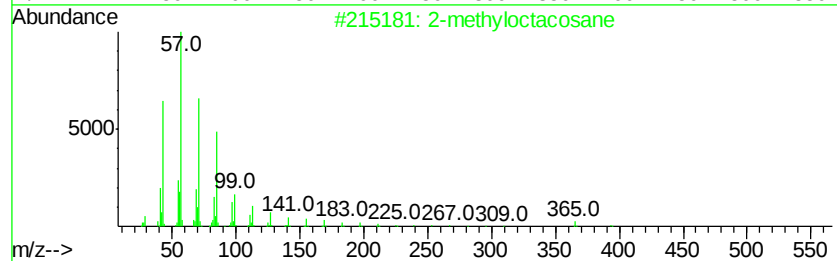
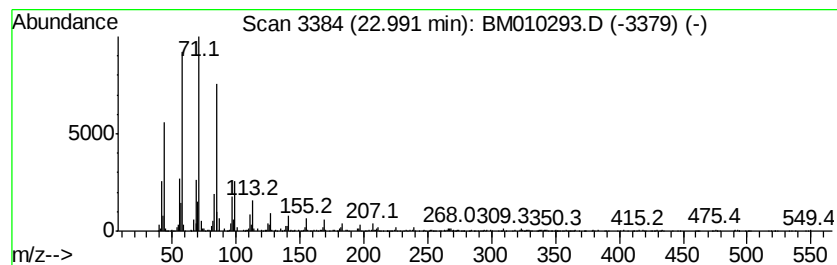
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Quant Title : SVOA CALIBRATION

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.99	6.89 ng/ul	2905270	Perylene-d12	23.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-methyloctacosane	408	C29H60	1000376-72-8	90
2			Octacosane	394	C28H58	000630-02-4	90
3			Eicosane, 3-methyl-	296	C21H44	006418-46-8	87
4			Octadecane	254	C18H38	000593-45-3	87
5			Hexacosane	366	C26H54	000630-01-3	87



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052717\
Data File : BM010293.D
Acq On : 28 May 2017 01:44
Operator : SJ/MA
Sample : I3162-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHSF2

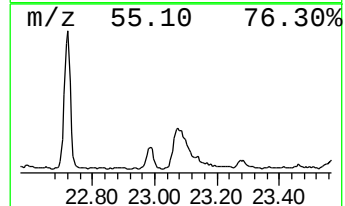
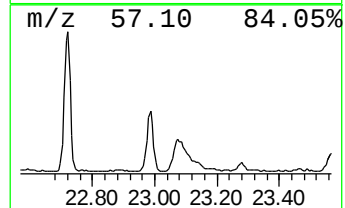
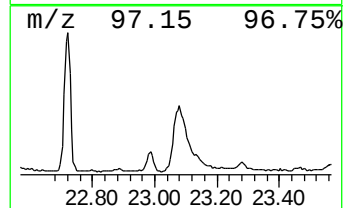
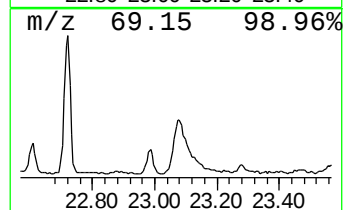
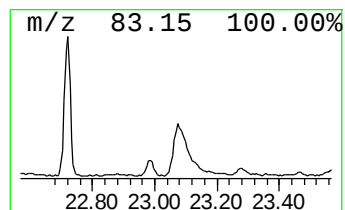
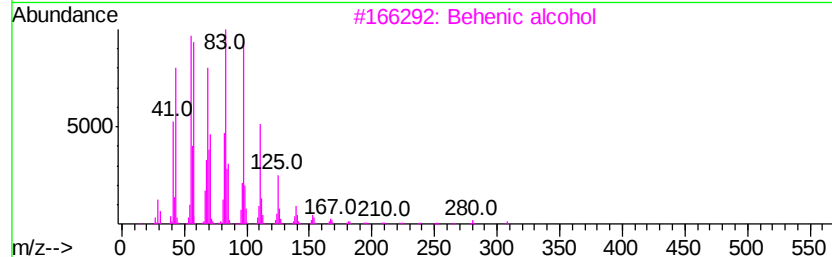
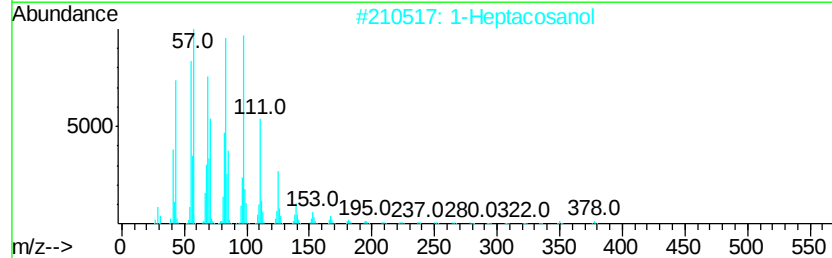
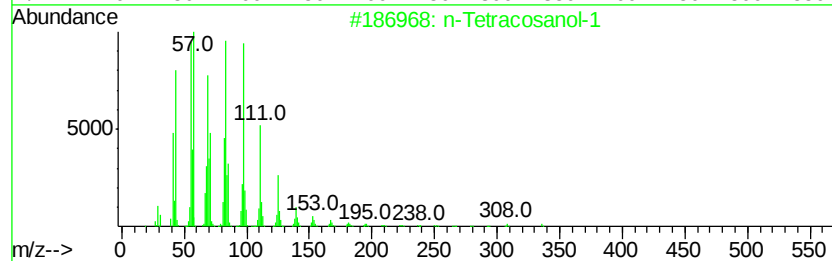
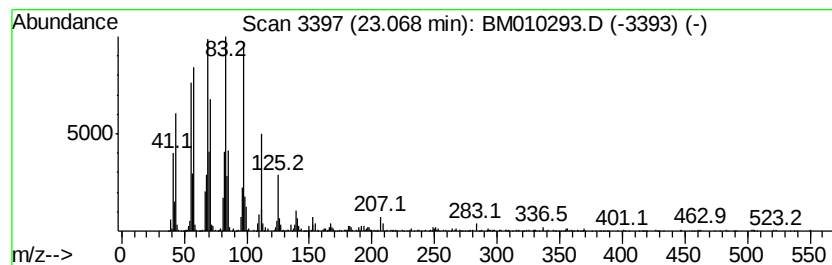
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Quant Title : SVOA CALIBRATION

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

Peak Number 21 n-Tetracosanol-1 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.07	13.43 ng/ul	5666640	Perylene-d12	23.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Tetracosanol-1	354	C24H50O	000506-51-4	93
2		1-Heptacosanol	396	C27H56O	002004-39-9	90
3		Behenic alcohol	326	C22H46O	000661-19-8	89
4		1-Docosene	308	C22H44	001599-67-3	81
5		Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	81



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052717\
Data File : BM010293.D
Acq On : 28 May 2017 01:44
Operator : SJ/MA
Sample : I3162-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHSF2

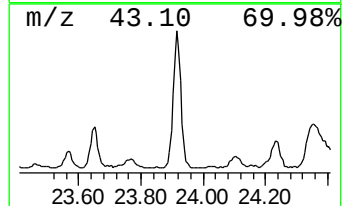
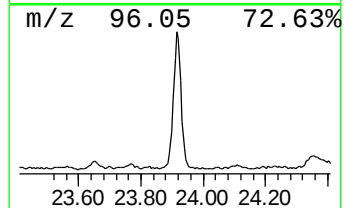
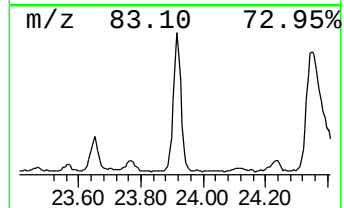
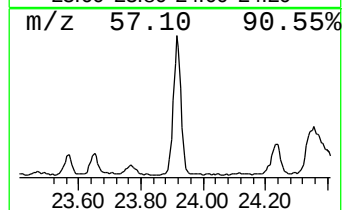
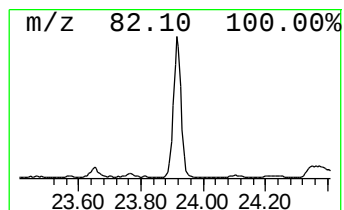
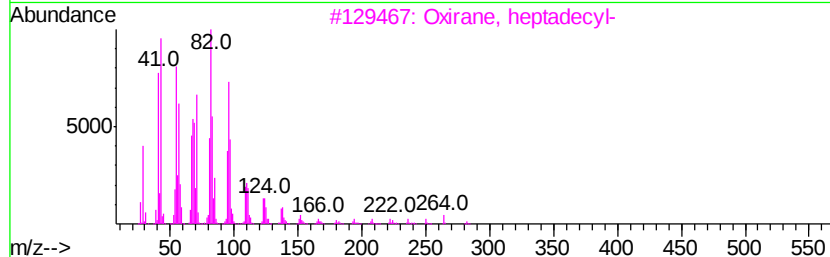
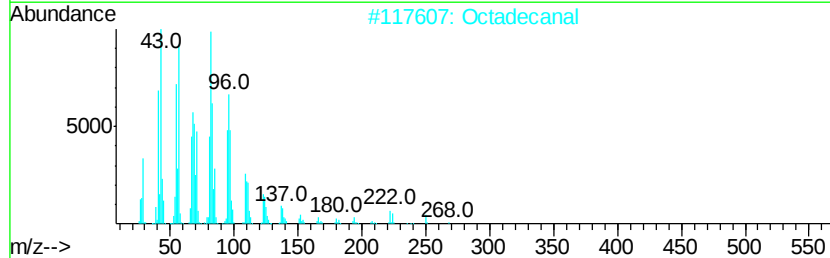
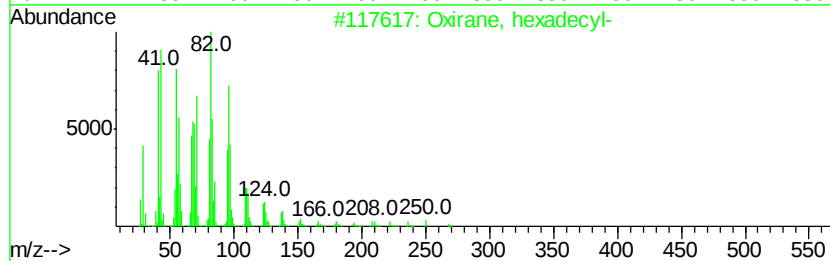
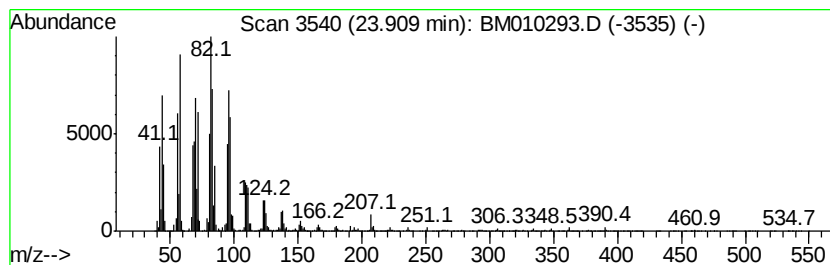
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Quant Title : SVOA CALIBRATION

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

Peak Number 22 Oxirane, hexadecyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.91	33.96 ng/ul	14323100	Perylene-d12	23.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91
2		Octadecanal	268	C18H36O	000638-66-4	91
3		Oxirane, heptadecyl-	282	C19H38O	067860-04-2	91
4		Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91
5		Hexadecanal	240	C16H32O	000629-80-1	91



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052717\
Data File : BM010293.D
Acq On : 28 May 2017 01:44
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Sample : I3162-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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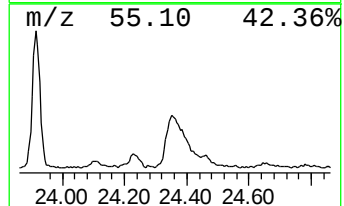
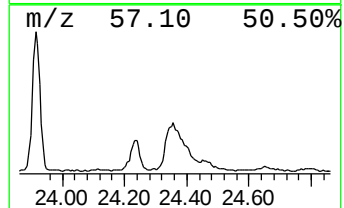
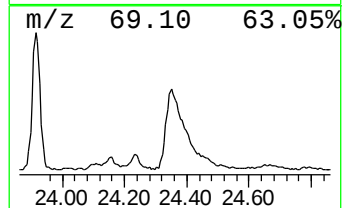
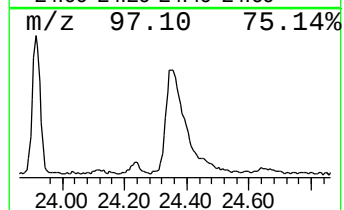
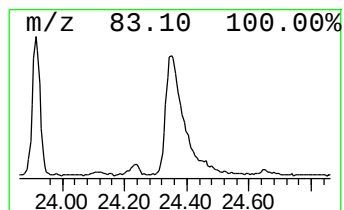
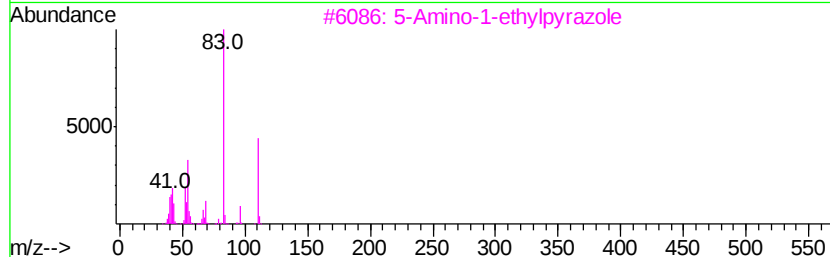
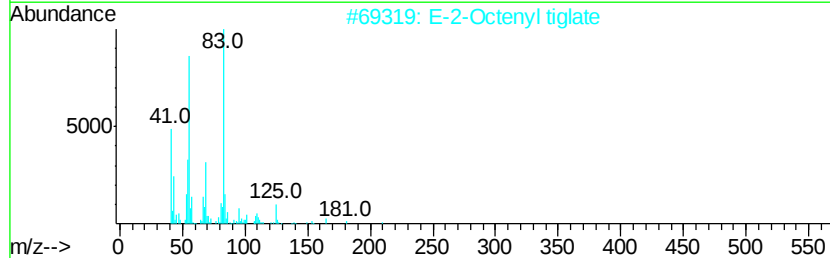
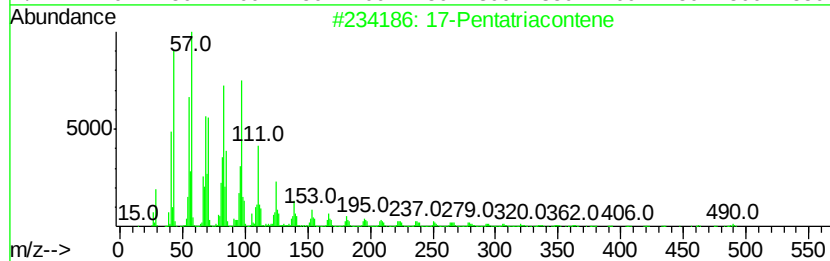
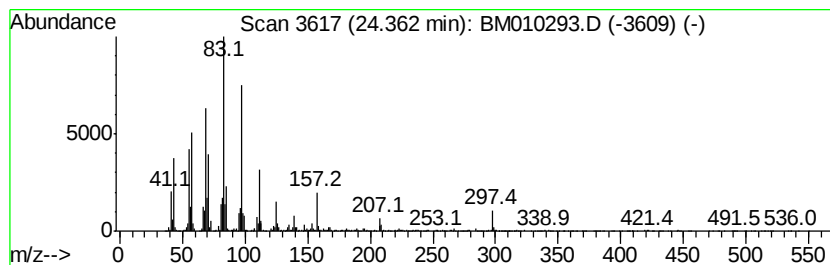
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Quant Title : SVOA CALIBRATION

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

Peak Number 23 (DEL) Alkane: Cyclic24.36 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.36	23.97 ng/ul	10111500	Perylene-d12	23.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	17-Pentatriacontene	491	C35H70	006971-40-0	91
2		E-2-Octenyl tiglate	210	C13H22O2	084271-97-6	41
3		5-Amino-1-ethylpyrazole	111	C5H9N3	003528-58-3	38
4		Octatriacontyl pentafluoropropio...	697	C41H77F5O2	1000351-89-1	30
5		Oxalic acid, cyclohexyl undecyl ...	326	C19H34O4	1000309-31-3	27



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052717\
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ALS Vial : 25 Sample Multiplier: 1

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ClientSampleId :
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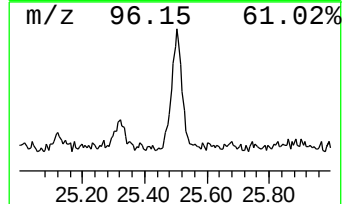
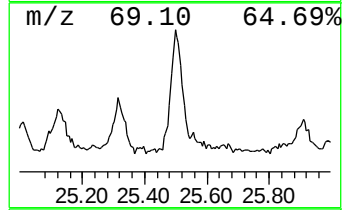
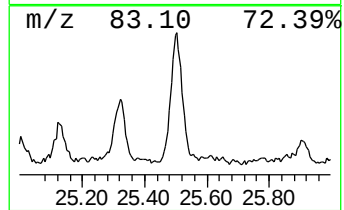
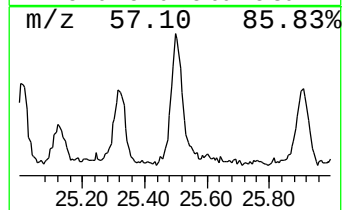
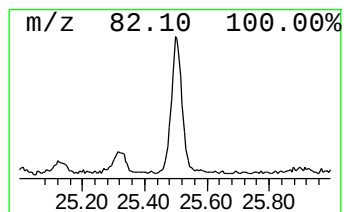
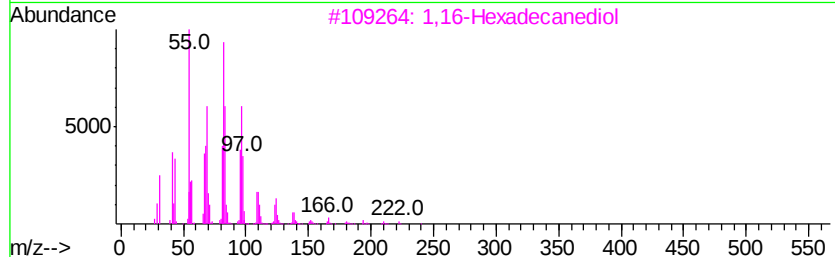
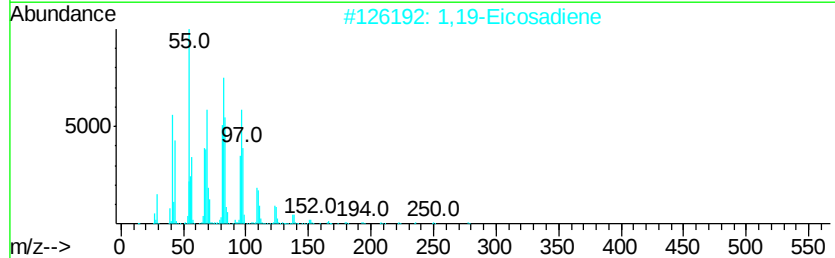
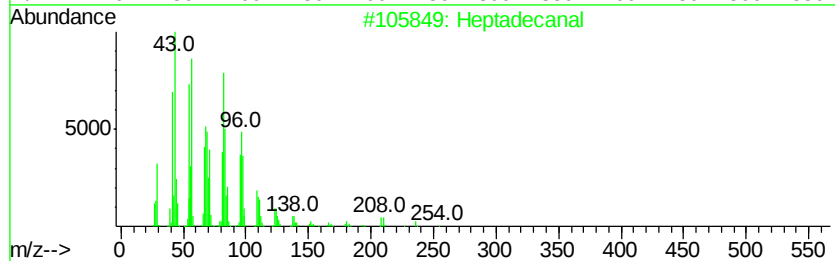
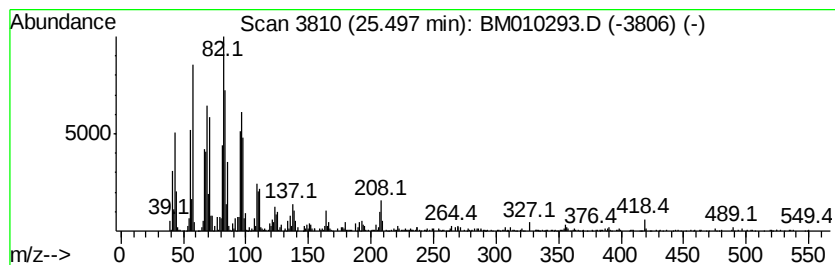
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Quant Title : SVOA CALIBRATION

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

Peak Number 24 Heptadecanal Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.50	7.65 ng/ul	3227940	Perylene-d12	23.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecanal	254	C17H34O	1000376-70-0	87
2		1,19-Eicosadiene	278	C20H38	014811-95-1	86
3		1,16-Hexadecanediol	258	C16H34O2	007735-42-4	86
4		1,30-Triacontanediol	454	C30H62O2	036645-68-8	81
5		Tetradecanal	212	C14H28O	000124-25-4	81



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052717\
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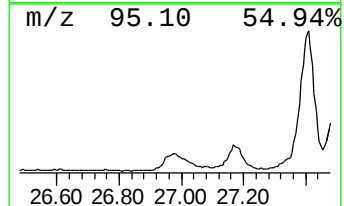
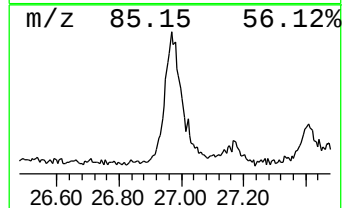
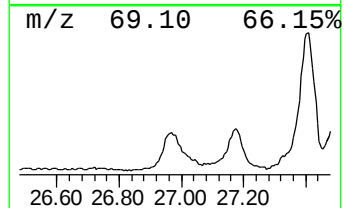
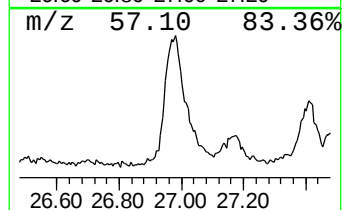
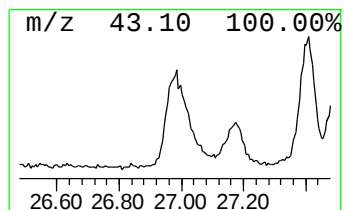
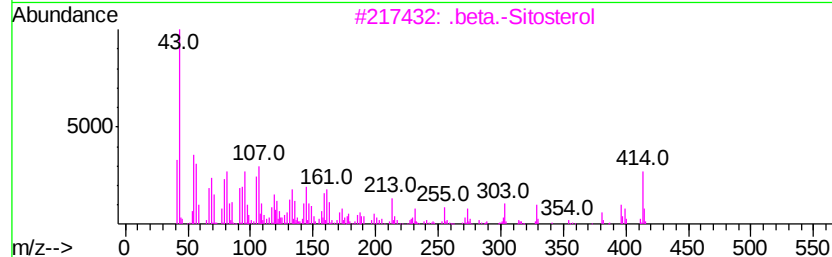
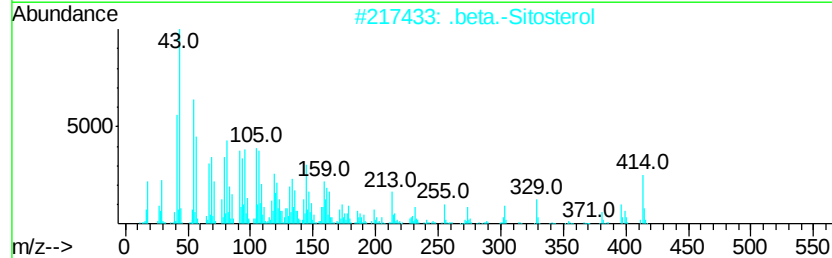
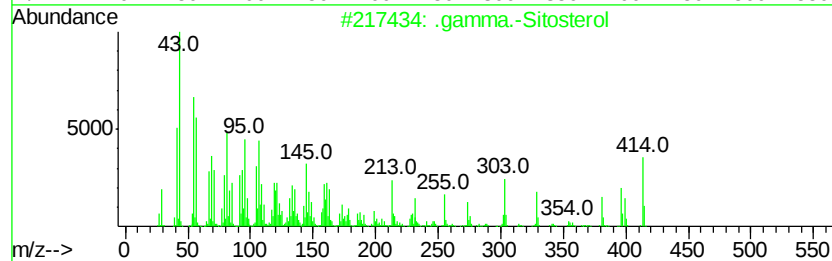
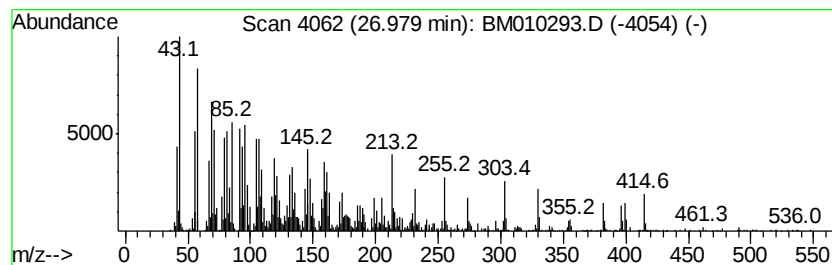
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Quant Title : SVOA CALIBRATION

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

Peak Number 25 .gamma.-Sitosterol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.98	23.73 ng/ul	10011000	Perylene-d12	23.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.gamma.-Sitosterol	414	C29H50O	000083-47-6	98
2		.beta.-Sitosterol	414	C29H50O	000083-46-5	91
3		.beta.-Sitosterol	414	C29H50O	000083-46-5	50
4		.gamma.-Sitosterol	414	C29H50O	000083-47-6	38
5		Cholestan-3-one, 4,4-dimethyl-, ...	414	C29H50O	002097-85-0	18



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052717\
Data File : BM010293.D
Acq On : 28 May 2017 01:44
Operator : SJ/MA
Sample : I3162-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHSF2

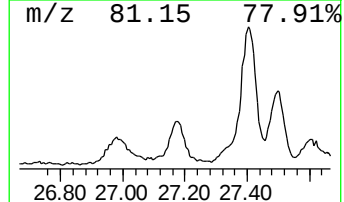
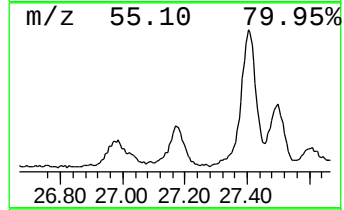
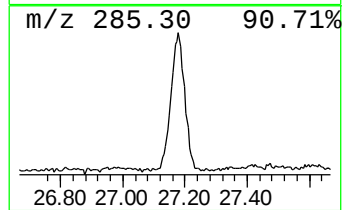
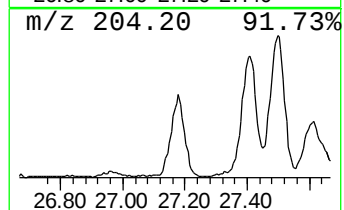
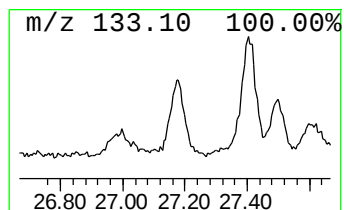
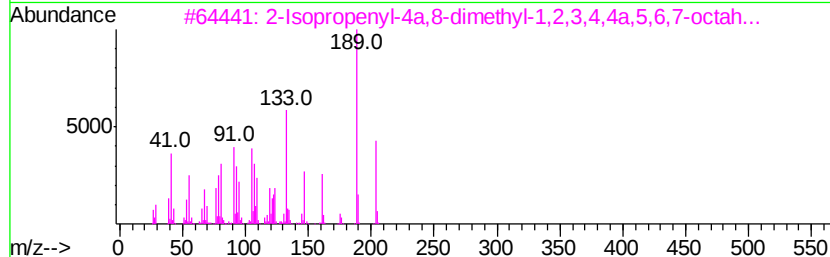
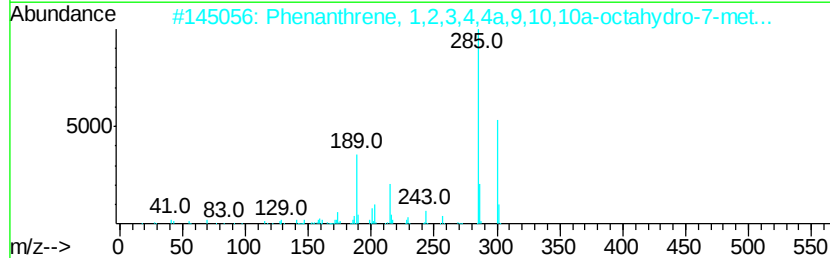
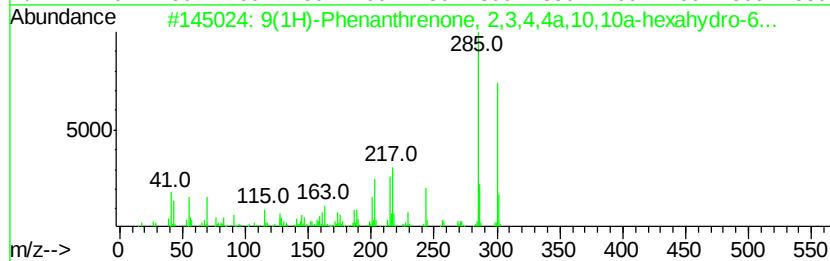
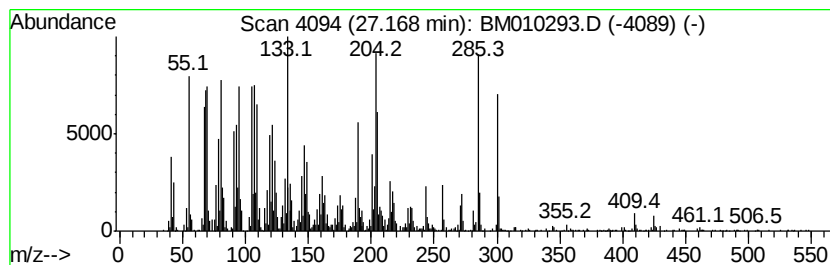
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

Peak Number 26 9(1H)-Phenanthrene, 2,3,4... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.17	26.36 ng/ul	11118600	Perylene-d12	23.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9(1H)-Phenanthrene, 2,3,4,4a,1...	300	C20H28O2	000511-05-7	51
2		Phenanthrene, 1,2,3,4,4a,9,10,10...	300	C21H32O	015340-83-7	46
3		2-Isopropenyl-4a,8-dimethyl-1,2...	204	C15H24	1000192-43-5	42
4		Phenanthrene, 1,2,3,4,4a,9,10,10...	300	C21H32O	010064-26-3	38
5		Tricyclo[5.4.0.0(2,8)]undec-9-en...	204	C15H24	005989-08-2	38



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052717\
Data File : BM010293.D
Acq On : 28 May 2017 01:44
Operator : SJ/MA
Sample : I3162-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

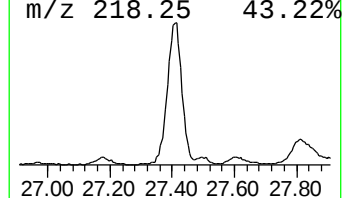
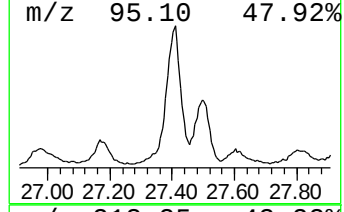
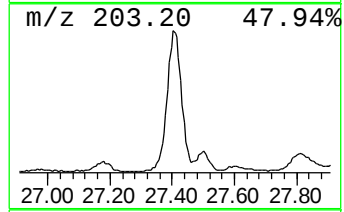
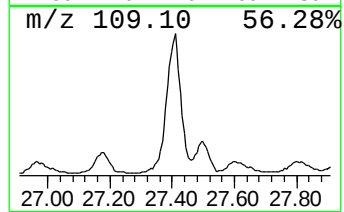
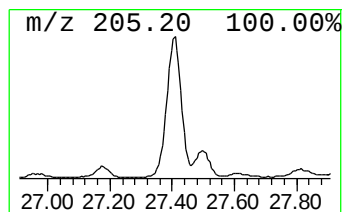
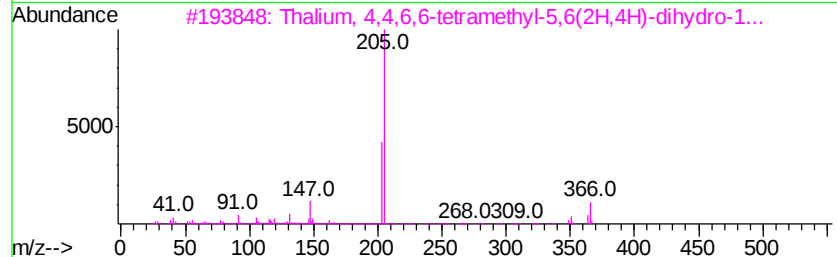
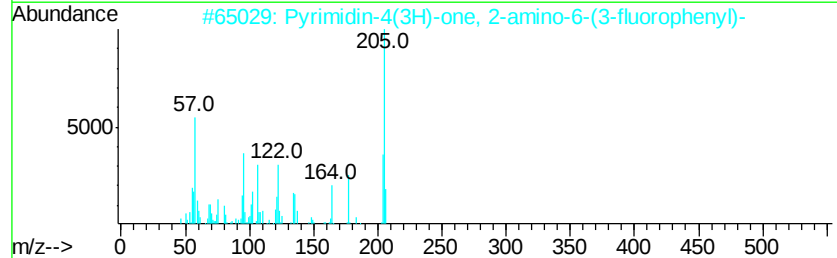
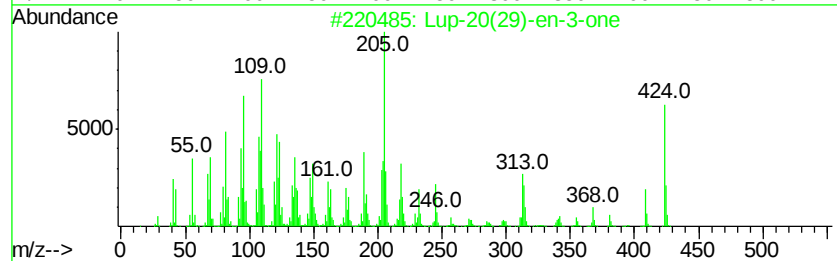
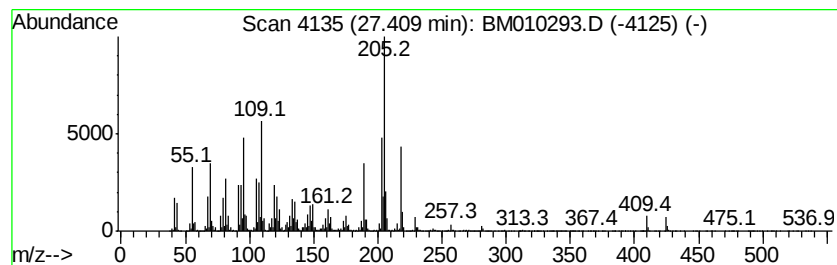
Instrument :
BNA_M
ClientSampled :
JHSF2

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

Peak Number 27 Lup-20(29)-en-3-one Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
27.41	77.52 ng/ul	32695600	Perylene-d12	23.82		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Lup-20(29)-en-3-one	424	C30H48O	001617-70-5	74
2		Pyrimidin-4(3H)-one, 2-amino-6-(...	205	C10H8FN3O	098305-63-6	38
3		Thalium, 4,4,6,6-tetramethyl-5,6...	366	C12H17Tl	1000197-41-0	27
4		5-(1H-Pvrrol-3-ylmethyle)-pvri...	205	C9H7N3O3	1000318-16-3	22
5		Chromone, 3-methyl-7-nitro-	205	C10H7NO4	253668-57-4	22



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052717\
Data File : BM010293.D
Acq On : 28 May 2017 01:44
Operator : SJ/MA
Sample : I3162-11
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JHSF2

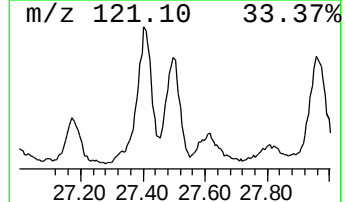
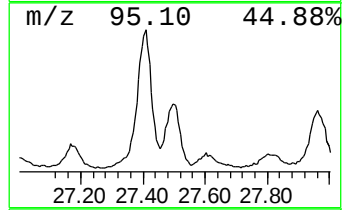
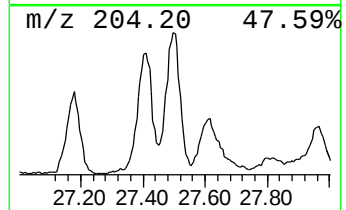
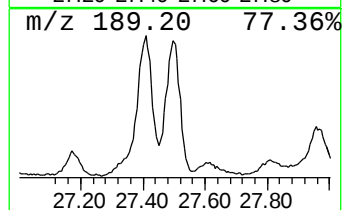
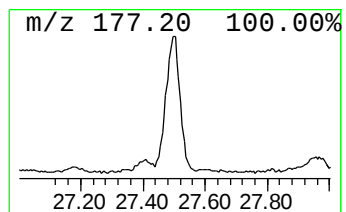
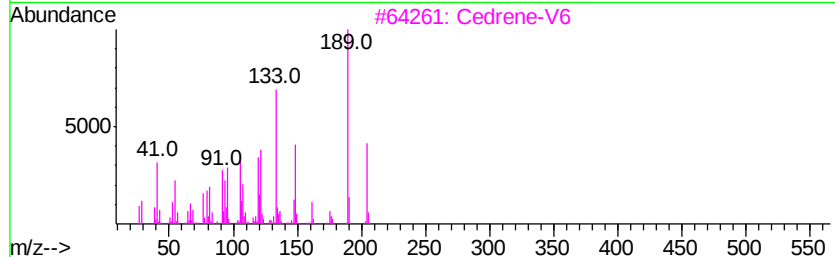
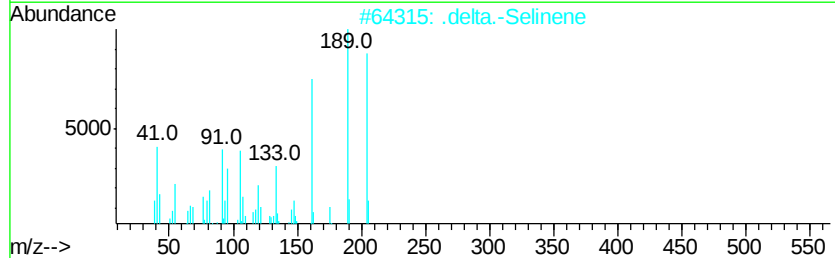
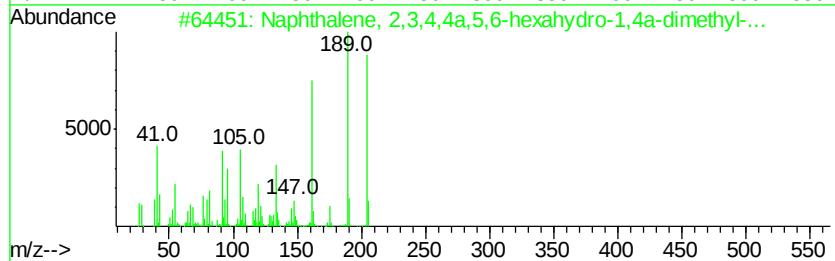
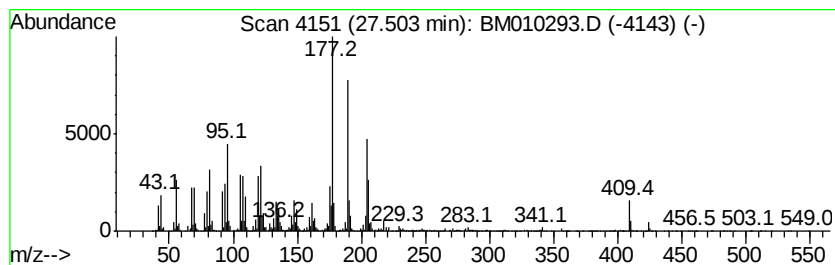
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

Peak Number 28 unknown-03 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.50	36.63 ng/ul	15449600	Perylene-d12	23.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3,4,4a,5,6-hexahy...	204	C15H24	000473-14-3	46
2		.delta.-Selinene	204	C15H24	028624-23-9	46
3		Cedrene-V6	204	C15H24	1000162-76-8	45
4		2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000193-57-0	42
5		2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000192-43-5	38



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052717\
 Data File : BM010293.D
 Acq On : 28 May 2017 01:44
 Operator : SJ/MA
 Sample : I3162-11
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHSF2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.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
Pentadecanoic acid	17.16	3.0	ng/ul	906238	4	17.31	5968070	20.0
10-Methyl-Z-11-tr...	18.04	4.0	ng/ul	1205730	4	17.31	5968070	20.0
Tridecanoic acid	18.16	9.2	ng/ul	2746610	4	17.31	5968070	20.0
1-Cyclohexene-1-c...	18.46	8.4	ng/ul	2509380	4	17.31	5968070	20.0
unknown-01	18.56	2.3	ng/ul	674256	4	17.31	5968070	20.0
18-Norabietane	18.74	7.2	ng/ul	2146490	4	17.31	5968070	20.0
.alpha.-Damascone	19.34	3.5	ng/ul	1046500	4	17.31	5968070	20.0
Octadecanoic acid	19.43	2.9	ng/ul	1282140	5	21.47	8979140	20.0
(DEL) Alkane: Str...	20.16	3.0	ng/ul	1340970	5	21.47	8979140	20.0
unknown-02	20.29	2.4	ng/ul	1059860	5	21.47	8979140	20.0
Tetradecanoic acid	20.50	4.8	ng/ul	2148590	5	21.47	8979140	20.0
(DEL) Alkane: Str...	21.12	13.3	ng/ul	5954770	5	21.47	8979140	20.0
n-Nonadecanol-1	21.14	14.6	ng/ul	6563440	5	21.47	8979140	20.0
Oxirane, heptadecyl-	21.74	4.0	ng/ul	1817220	5	21.47	8979140	20.0
(DEL) Alkane: Str...	21.99	13.1	ng/ul	5899220	5	21.47	8979140	20.0
(DEL) Alkane: Cyc...	22.04	16.8	ng/ul	7553910	5	21.47	8979140	20.0
Tetracosanoic acid	22.36	8.2	ng/ul	3693140	5	21.47	8979140	20.0
(DEL) Alkane: Cyc...	22.53	5.1	ng/ul	2294440	5	21.47	8979140	20.0
Tetracosanal	22.72	29.6	ng/ul	12505800	6	23.82	8435780	20.0
(DEL) Alkane: Str...	22.99	6.9	ng/ul	2905270	6	23.82	8435780	20.0
n-Tetracosanol-1	23.07	13.4	ng/ul	5666640	6	23.82	8435780	20.0
Oxirane, hexadecyl-	23.91	34.0	ng/ul	14323100	6	23.82	8435780	20.0
(DEL) Alkane: Cyc...	24.36	24.0	ng/ul	10111500	6	23.82	8435780	20.0
Heptadecanal	25.50	7.7	ng/ul	3227940	6	23.82	8435780	20.0
.gamma.-Sitosterol	26.98	23.7	ng/ul	10011000	6	23.82	8435780	20.0
9(1H)-Phenanthren...	27.17	26.4	ng/ul	11118600	6	23.82	8435780	20.0
Lup-20(29)-en-3-one	27.41	77.5	ng/ul	32695600	6	23.82	8435780	20.0
unknown-03	27.50	36.6	ng/ul	15449600	6	23.82	8435780	20.0