

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
 Data File : BM007054.D
 Acq On : 12 Aug 2016 22:30
 Operator : UM/SJ
 Sample : H4389-05
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PR002-SS005-0206-01

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\SOM02.2-EPA-BM081116.M
 Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.328	123	126	135	rVB	40340	61999	1.13%	0.091%
2	6.975	739	746	758	rBV	745706	1205689	21.92%	1.770%
3	7.145	768	775	784	rBV	574365	909933	16.54%	1.336%
4	7.345	802	809	818	rBV	810012	1285693	23.38%	1.887%
5	7.810	882	888	896	rBV	915362	1502483	27.32%	2.206%
6	8.504	999	1006	1015	rBV	884631	1456169	26.48%	2.138%
7	8.963	1075	1084	1093	rBV	725441	1193087	21.69%	1.751%
8	9.069	1098	1102	1110	rVB	49694	78458	1.43%	0.115%
9	9.681	1197	1206	1215	rBV	580751	980565	17.83%	1.439%
10	10.216	1290	1297	1304	rBV	948585	1601807	29.12%	2.351%
11	10.598	1353	1362	1372	rBV	1195051	2023820	36.80%	2.971%
12	10.733	1377	1385	1401	rBV	763220	1373426	24.97%	2.016%
13	13.851	1909	1915	1919	rBV	1656630	2355767	42.83%	3.458%
14	13.898	1919	1923	1933	rVB	1386145	1868925	33.98%	2.744%
15	14.133	1956	1963	1973	rVB	1876549	2827580	51.41%	4.151%
16	14.445	2007	2016	2024	rBV2	1678395	2622241	47.68%	3.849%
17	14.627	2040	2047	2058	rBV	680976	1036187	18.84%	1.521%
18	15.433	2177	2184	2192	rBV	2457380	3601241	65.48%	5.287%
19	15.551	2197	2204	2218	rBV	590708	889937	16.18%	1.306%
20	15.674	2218	2225	2229	rBV4	33965	55671	1.01%	0.082%
21	16.162	2304	2308	2311	rBV	75373	94442	1.72%	0.139%
22	16.957	2438	2443	2448	rBV2	58100	86371	1.57%	0.127%
23	17.186	2474	2482	2487	rBV	2239074	3270516	59.47%	4.801%
24	17.227	2487	2489	2493	rVV	85359	101629	1.85%	0.149%
25	17.280	2493	2498	2510	rVB	2710730	4043242	73.52%	5.935%
26	17.574	2540	2548	2553	rBV9	26639	61814	1.12%	0.091%
27	18.080	2627	2634	2643	rBV4	205482	358334	6.52%	0.526%
28	19.215	2822	2827	2828	rBV2	49222	66998	1.22%	0.098%
29	19.239	2828	2831	2838	rVB	230440	310409	5.64%	0.456%
30	19.362	2848	2852	2856	rBV3	101600	125813	2.29%	0.185%
31	19.427	2860	2863	2866	rVV3	46986	60013	1.09%	0.088%
32	19.574	2882	2888	2900	rBV	3675603	5499848	100.00%	8.074%
33	19.686	2901	2907	2908	rBV4	92308	140907	2.56%	0.207%
34	20.115	2974	2980	2985	rBV3	195110	270502	4.92%	0.397%

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35	20.256	3000	3004	3014	rVB9	64943	176154	3.20%	0.259%
36	21.086	3141	3145	3151	rBV2	403912	559192	10.17%	0.821%
37	21.145	3152	3155	3165	rVB2	102059	153981	2.80%	0.226%
38	21.286	3176	3179	3185	rBV	102562	106989	1.95%	0.157%
39	21.362	3186	3192	3197	rBV	3644703	4697836	85.42%	6.896%
40	21.974	3291	3296	3304	rBV2	597447	1124094	20.44%	1.650%
41	22.439	3372	3375	3385	rVB3	165279	258388	4.70%	0.379%
42	22.962	3458	3464	3469	rBV	2465304	3937161	71.59%	5.780%
43	23.491	3547	3554	3560	rBV2	2695926	5254470	95.54%	7.714%
44	23.638	3572	3579	3594	rVB	2370951	4750586	86.38%	6.974%
45	23.862	3614	3617	3623	rVB5	122654	196130	3.57%	0.288%
46	24.203	3669	3675	3683	rVB	867537	1715244	31.19%	2.518%
47	24.974	3802	3806	3818	rVB2	224039	478108	8.69%	0.702%
48	25.874	3954	3959	3968	rBV2	155216	374889	6.82%	0.550%
49	26.768	4105	4111	4124	rVB8	305820	915336	16.64%	1.344%

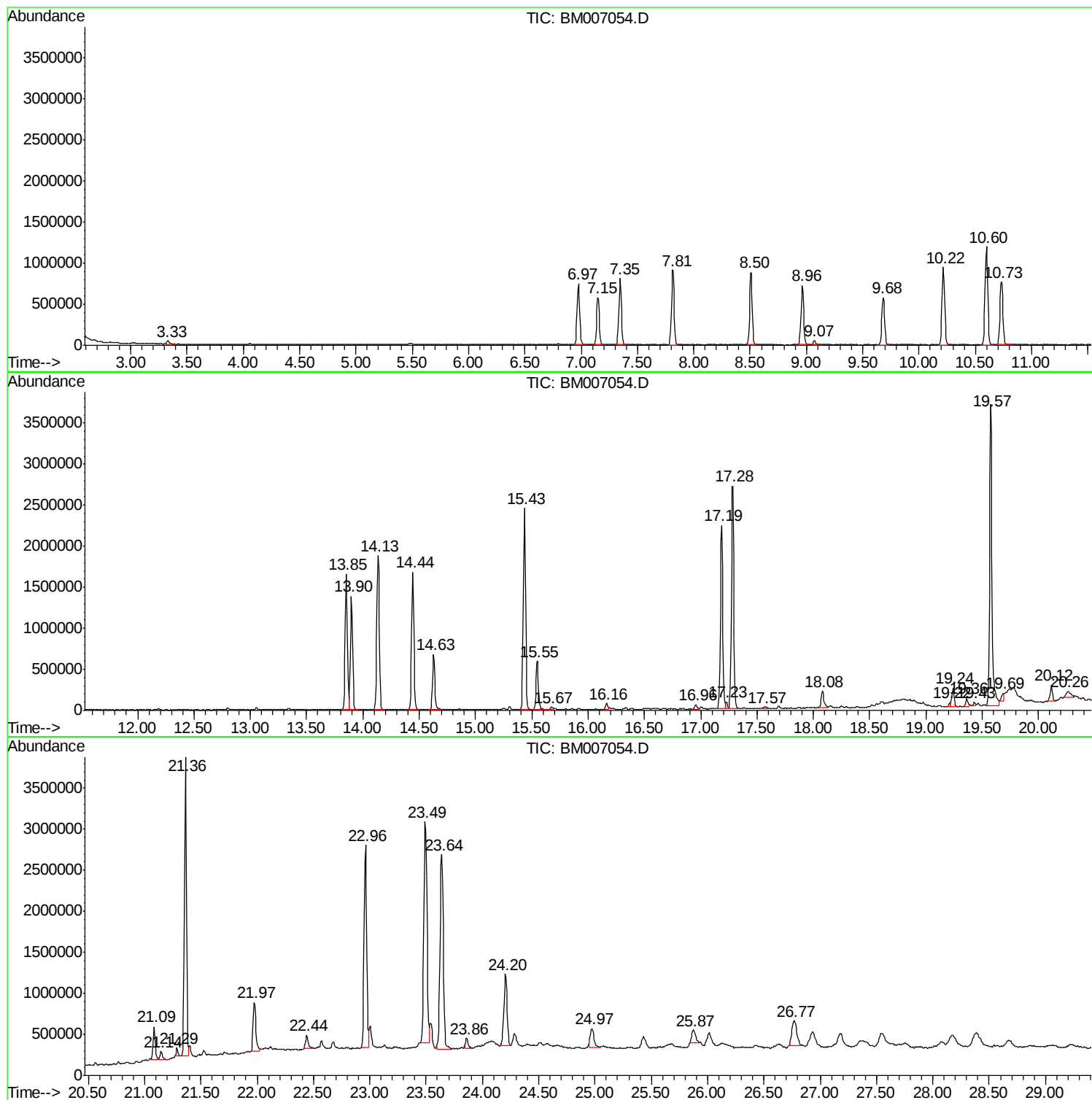
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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



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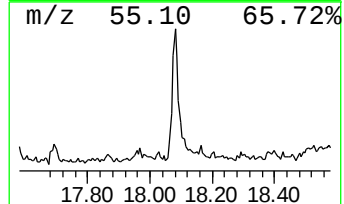
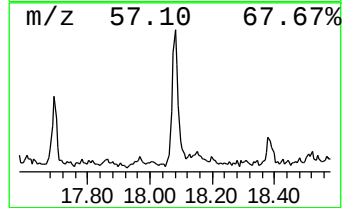
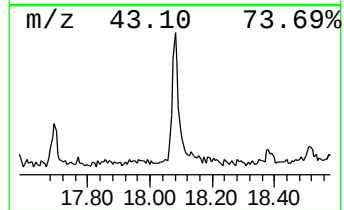
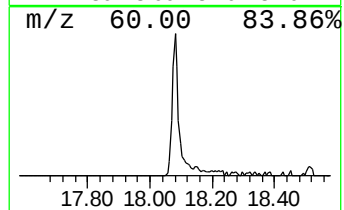
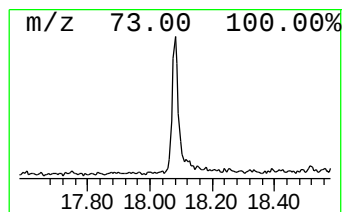
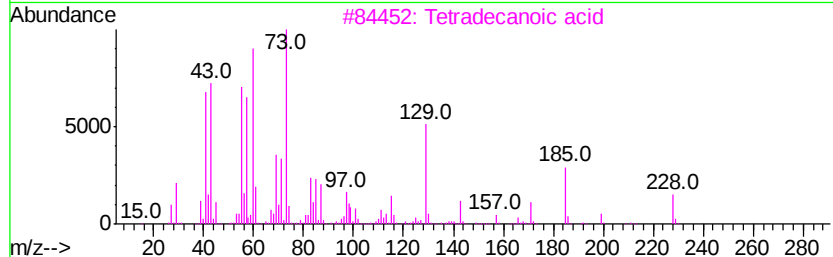
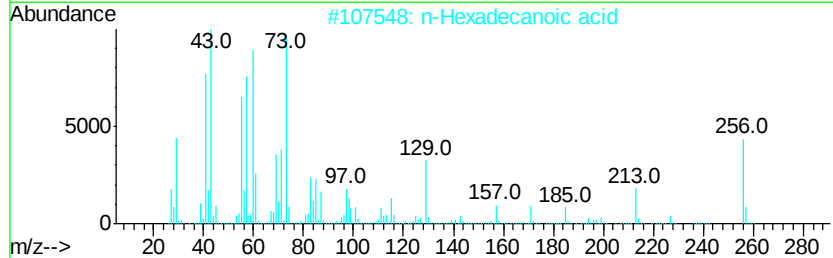
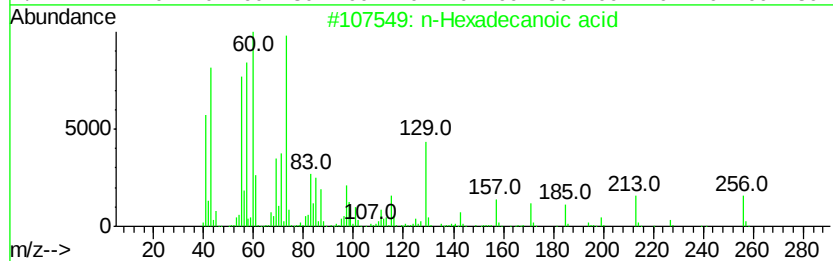
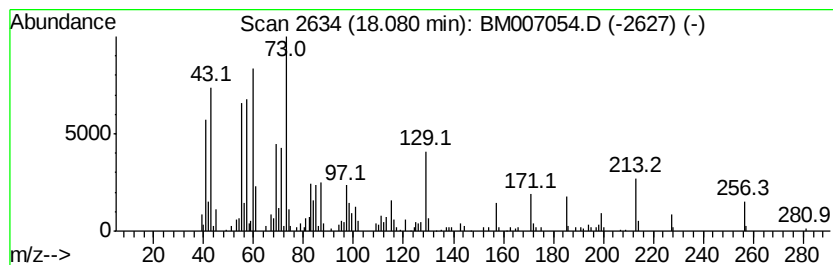
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	2.19 ng/ul	358334	Phenanthrene-d10	17.19

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	97	
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	91	
4	Tridecanoic acid	214	C13H26O2	000638-53-9	90	
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	87	



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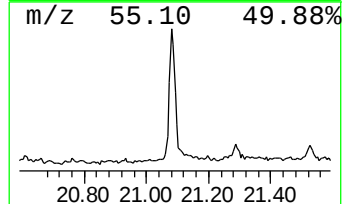
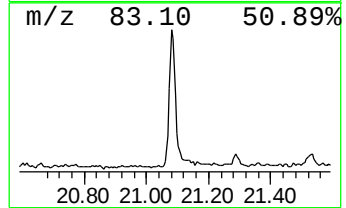
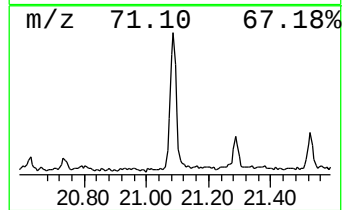
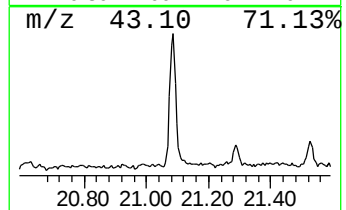
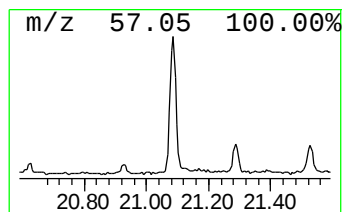
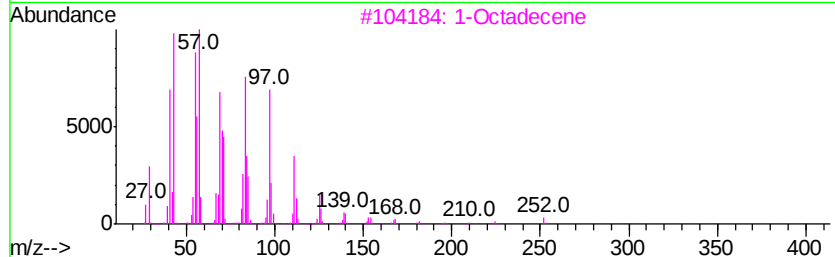
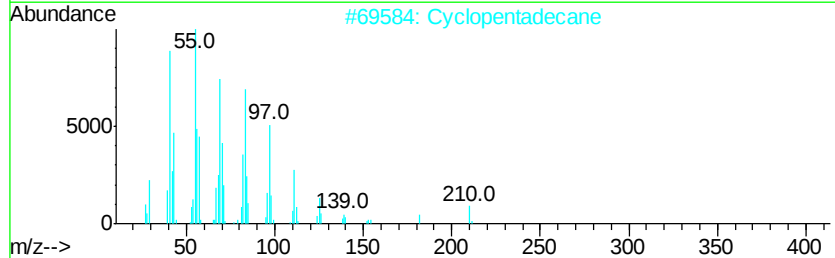
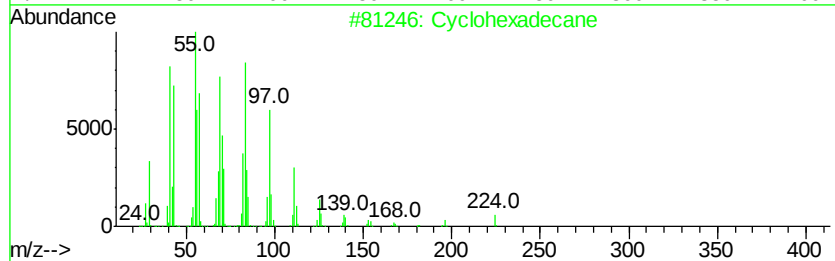
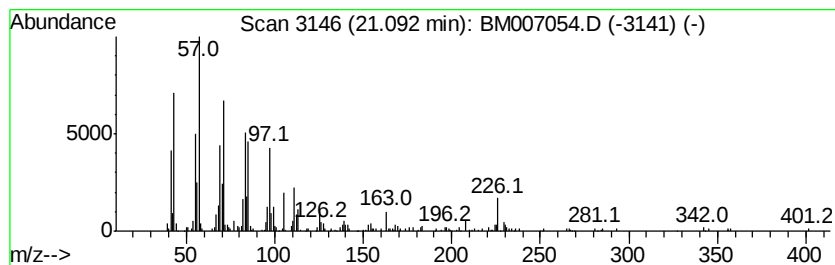
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Peak Number 2 (DEL) Alkane: Cyclic21.09 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
21.09	2.38 ng/ul	559192	Chrysene-d12	21.36	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	96
2	Cyclopentadecane	210	C15H30	000295-48-7	92
3	1-Octadecene	252	C18H36	000112-88-9	92
4	Behenic alcohol	326	C22H46O	000661-19-8	91
5	n-Tetracosanol-1	354	C24H50O	000506-51-4	91



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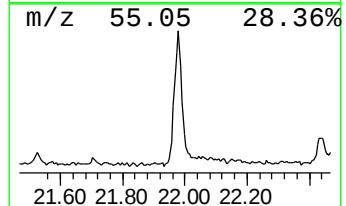
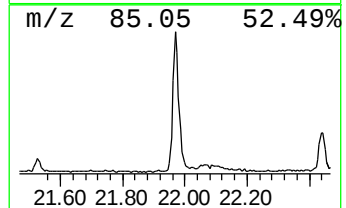
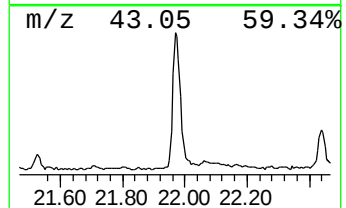
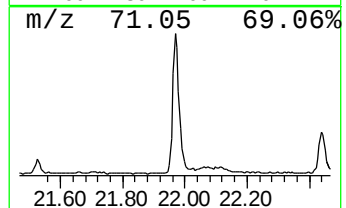
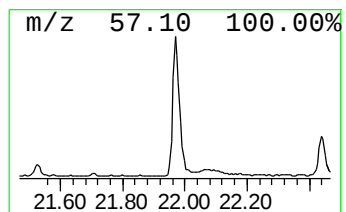
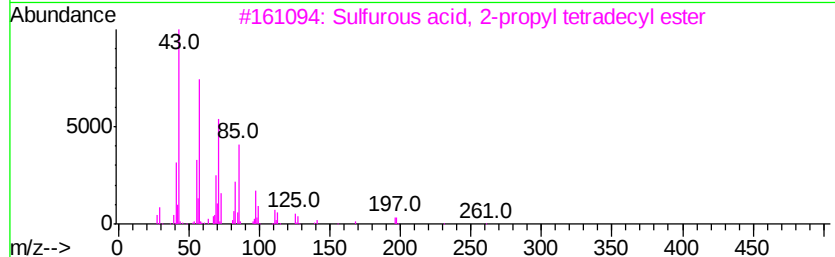
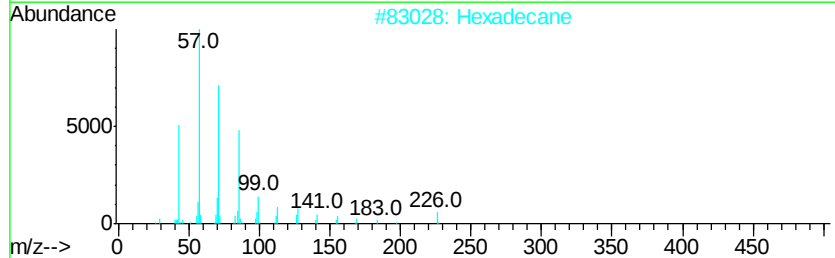
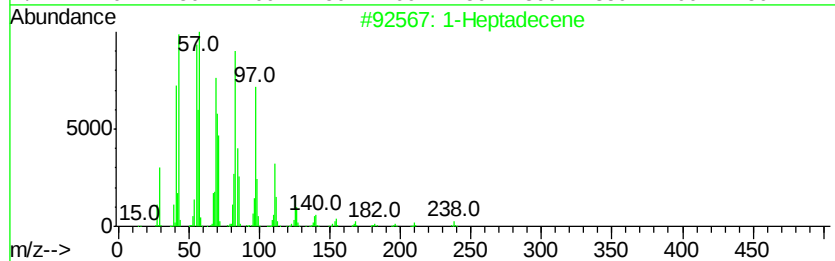
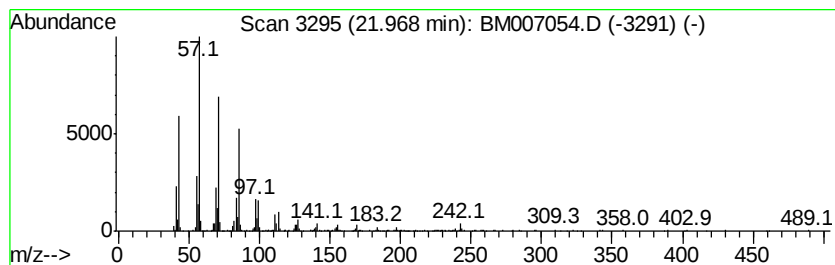
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 (DEL) Alkane: Cyclic21.97 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.97	4.79 ng/ul	1124090	Chrysene-d12	21.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Heptadecene	238	C17H34	006765-39-5	93
2		Hexadecane	226	C16H34	000544-76-3	92
3		Sulfurous acid, 2-propyl tetradecyl ester	320	C17H36O3S	1000309-12-5	91
4		Heneicosane	296	C21H44	000629-94-7	89
5		Sulfurous acid, octadecyl 2-propyl ester	376	C21H44O3S	1000309-12-7	87



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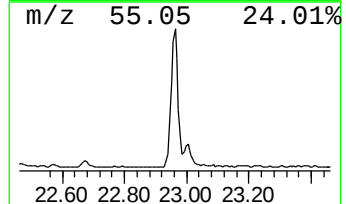
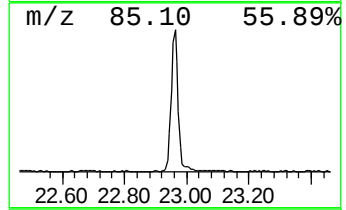
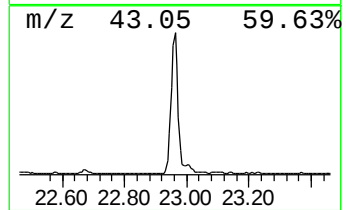
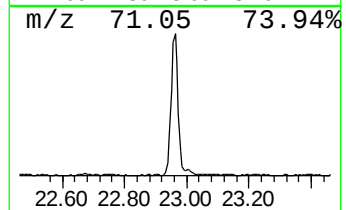
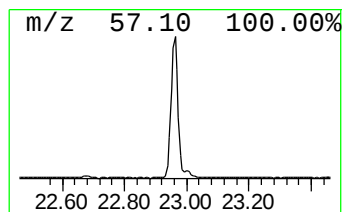
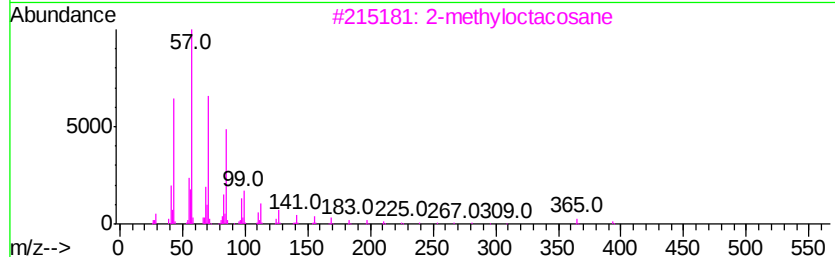
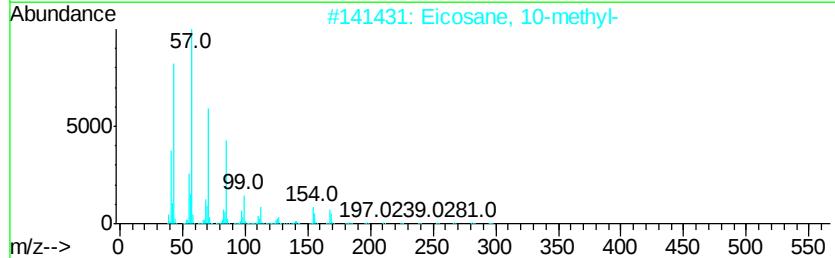
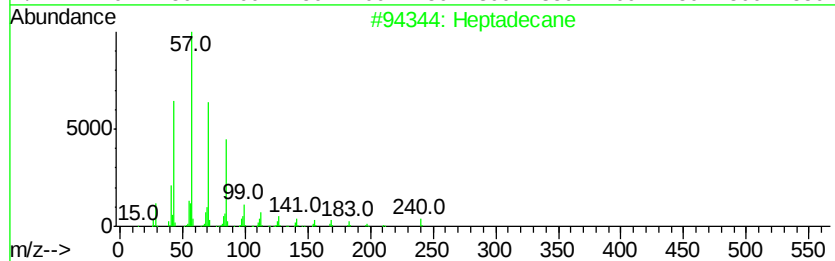
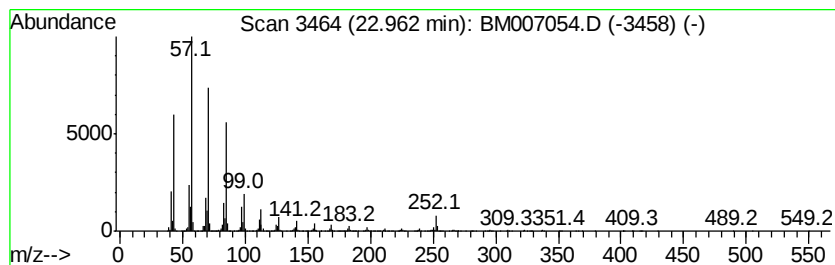
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Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.96	16.58 ng/ul	3937160	Perylene-d12	23.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane	240	C17H36	000629-78-7	93
2		Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
3		2-methyltacosane	408	C29H60	1000376-72-8	91
4		Heneicosane	296	C21H44	000629-94-7	91
5		Tetracosane	338	C24H50	000646-31-1	91



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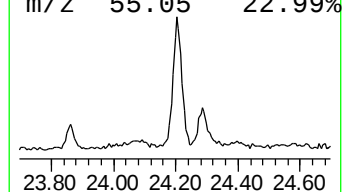
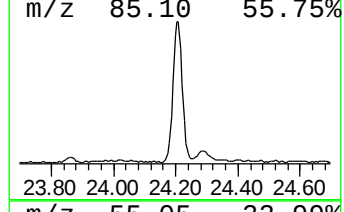
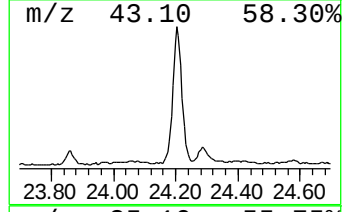
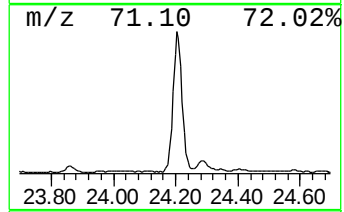
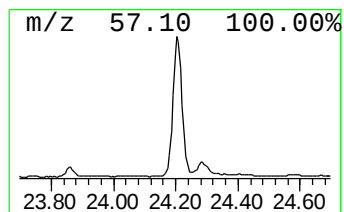
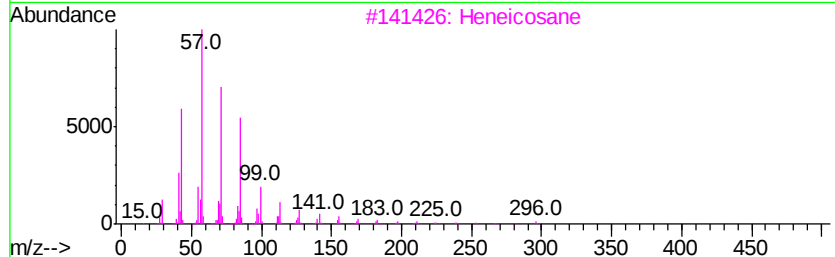
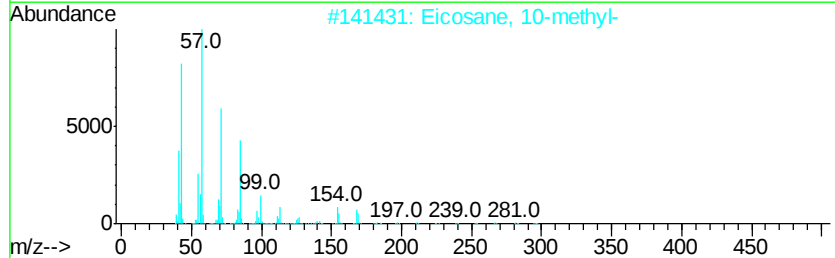
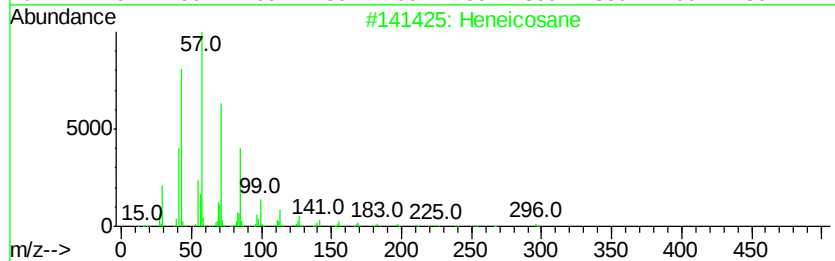
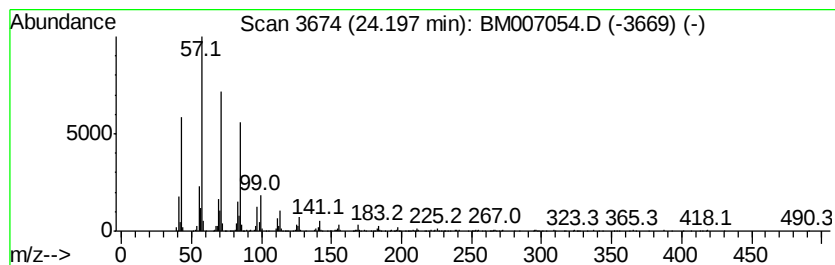
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.20	7.22 ng/ul	1715240	Perylene-d12	23.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	96
2		Eicosane, 10-methyl-	296	C21H44	054833-23-7	94
3		Heneicosane	296	C21H44	000629-94-7	94
4		Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	93
5		Eicosane, 9-octyl-	394	C28H58	013475-77-9	93



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007054.D
Acq On : 12 Aug 2016 22:30
Operator : UM/SJ
Sample : H4389-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PR002-SS005-0206-01

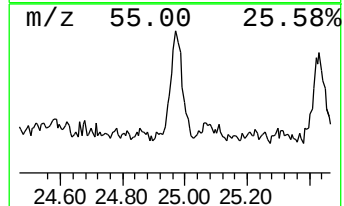
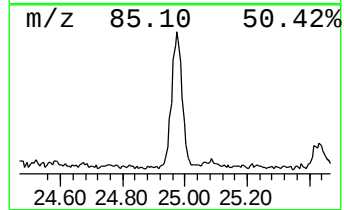
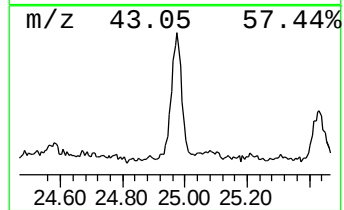
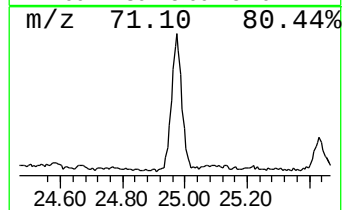
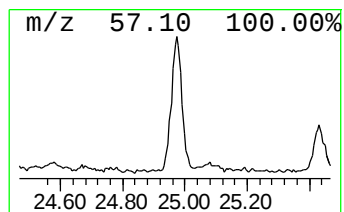
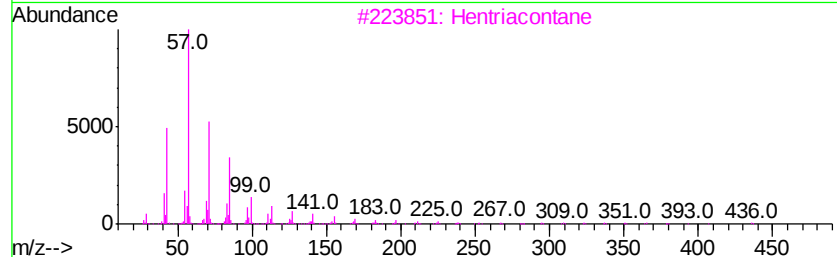
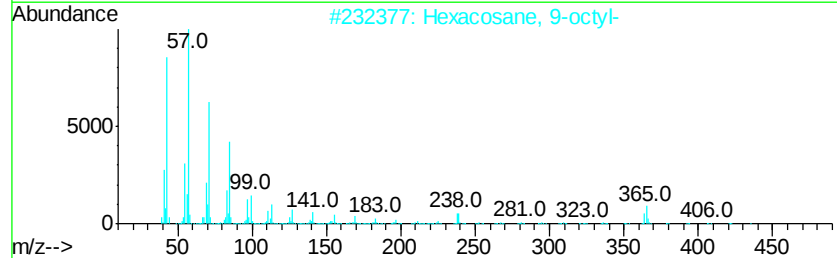
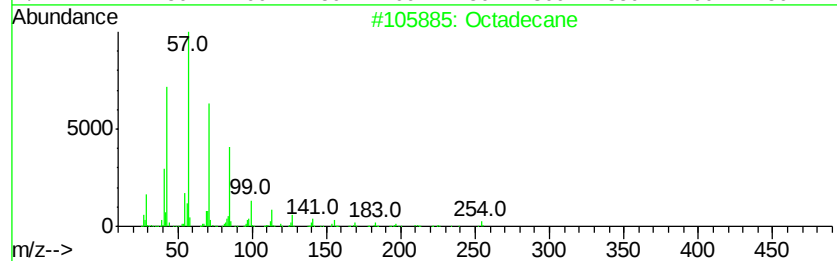
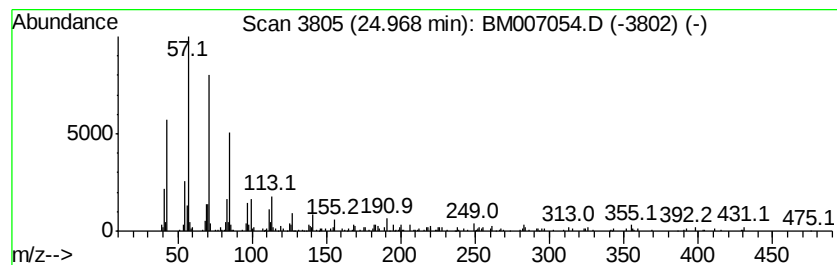
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.97	2.01 ng/ul	478108	Perylene-d12	23.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane	254	C18H38	000593-45-3	91
2		Hexacosane, 9-octyl-	479	C34H70	055429-83-9	90
3		Hentriacontane	437	C31H64	000630-04-6	90
4		Tetracosane, 11-decyl-	479	C34H70	055429-84-0	90
5		Tetratetracontane	619	C44H90	007098-22-8	90



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007054.D
Acq On : 12 Aug 2016 22:30
Operator : UM/SJ
Sample : H4389-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PR002-SS005-0206-01

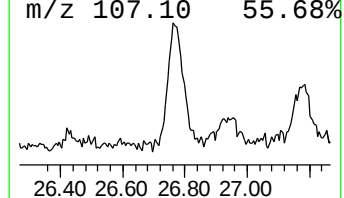
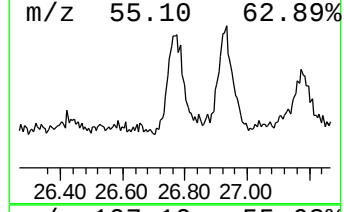
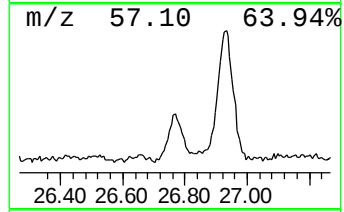
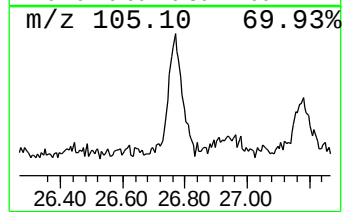
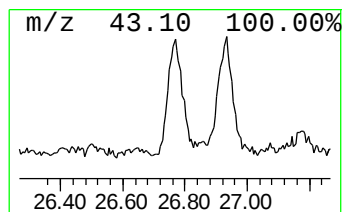
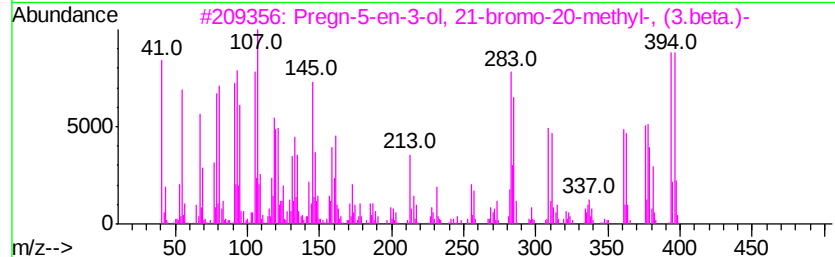
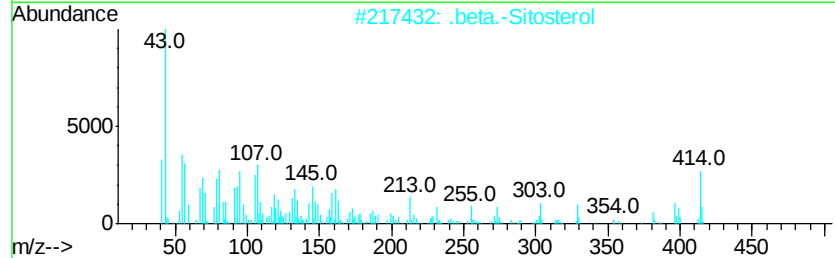
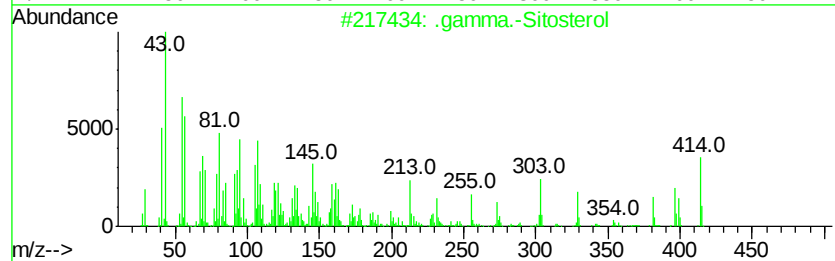
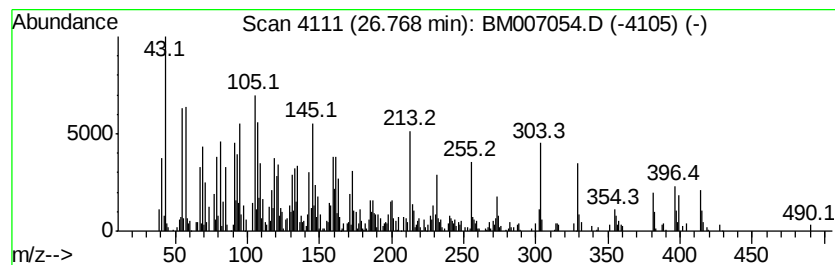
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 .gamma.-Sitosterol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.77	3.85 ng/ul	915336	Perylene-d12	23.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.gamma.-Sitosterol	414	C29H50O	000083-47-6	97
2		.beta.-Sitosterol	414	C29H50O	000083-46-5	92
3		Pregn-5-en-3-ol, 21-bromo-20-met...	394	C22H35BrO	055103-80-5	90
4		.beta.-Sitosterol	414	C29H50O	000083-46-5	38
5		.gamma.-Sitosterol	414	C29H50O	000083-47-6	11



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081216\
Data File : BM007054.D
Acq On : 12 Aug 2016 22:30
Operator : UM/SJ
Sample : H4389-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PR002-SS005-0206-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.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
n-Hexadecanoic acid	18.08	2.2	ng/ul	358334	4	17.19	3270520	20.0
(DEL) Alkane: Cyc...	21.09	2.4	ng/ul	559192	5	21.36	4697840	20.0
(DEL) Alkane: Cyc...	21.97	4.8	ng/ul	1124090	5	21.36	4697840	20.0
(DEL) Alkane: Str...	22.96	16.6	ng/ul	3937160	6	23.64	4750590	20.0
(DEL) Alkane: Str...	24.20	7.2	ng/ul	1715240	6	23.64	4750590	20.0
(DEL) Alkane: Str...	24.97	2.0	ng/ul	478108	6	23.64	4750590	20.0
.gamma.-Sitosterol	26.77	3.9	ng/ul	915336	6	23.64	4750590	20.0