

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
 Data File : BM007394.D
 Acq On : 03 Sep 2016 07:10
 Operator : UM/SJ
 Sample : H4655-07
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0005

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-BM082316.M
 Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.957	736	743	758	rBV	407060	730947	12.41%	0.982%
2	7.128	765	772	781	rBV	309305	480078	8.15%	0.645%
3	7.328	799	806	817	rBV	416241	696955	11.83%	0.936%
4	7.792	875	885	892	rBV	673403	1102054	18.71%	1.481%
5	8.492	995	1004	1015	rBV	573697	932918	15.83%	1.253%
6	8.945	1075	1081	1089	rBV	428618	719978	12.22%	0.967%
7	9.175	1115	1120	1126	rBV2	41489	63239	1.07%	0.085%
8	9.663	1196	1203	1212	rBV	369616	627507	10.65%	0.843%
9	10.198	1286	1294	1305	rBV	588195	1006348	17.08%	1.352%
10	10.575	1350	1358	1370	rBV	1027667	1783679	30.28%	2.396%
11	10.716	1375	1382	1394	rBV	321217	601544	10.21%	0.808%
12	13.833	1905	1912	1916	rBV	1194118	1734089	29.43%	2.330%
13	13.880	1916	1920	1928	rVB	695860	978293	16.61%	1.314%
14	14.116	1954	1960	1972	rVB	1343750	1980920	33.62%	2.661%
15	14.427	2005	2013	2020	rBV2	1755352	2807571	47.65%	3.772%
16	14.621	2040	2046	2062	rBV	510701	917360	15.57%	1.232%
17	15.168	2132	2139	2145	rBV	149160	203341	3.45%	0.273%
18	15.274	2153	2157	2162	rVB	51140	60890	1.03%	0.082%
19	15.415	2175	2181	2187	rBV	1863383	2650055	44.98%	3.560%
20	15.539	2196	2202	2208	rBV	553498	781124	13.26%	1.049%
21	15.657	2216	2222	2231	rBV6	34245	81303	1.38%	0.109%
22	15.957	2268	2273	2279	rBV	877948	1114679	18.92%	1.498%
23	16.133	2299	2303	2315	rBV	76318	134083	2.28%	0.180%
24	16.774	2407	2412	2417	rVB	74468	99127	1.68%	0.133%
25	16.921	2431	2437	2440	rBV	53090	72139	1.22%	0.097%
26	17.168	2472	2479	2484	rBV	2699920	3954722	67.13%	5.313%
27	17.209	2484	2486	2490	rVV	178630	199954	3.39%	0.269%
28	17.268	2490	2496	2504	rVB	2099295	3130825	53.14%	4.206%
29	17.451	2523	2527	2531	rBV	77937	106792	1.81%	0.143%
30	17.762	2574	2580	2588	rBV5	36003	85081	1.44%	0.114%
31	18.056	2625	2630	2640	rBV2	325147	521501	8.85%	0.701%
32	18.233	2657	2660	2665	rVB4	56807	75440	1.28%	0.101%
33	18.392	2682	2687	2695	rVV	158968	291502	4.95%	0.392%
34	18.521	2705	2709	2711	rBV4	42184	59638	1.01%	0.080%

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35	19.056	2796	2800	2803	rBV	70530	84706	1.44%	0.114%
36	19.092	2803	2806	2813	rVB4	79740	113794	1.93%	0.153%
37	19.221	2820	2828	2834	rBV	380111	562100	9.54%	0.755%
38	19.333	2839	2847	2850	rBV7	143076	292394	4.96%	0.393%
39	19.556	2880	2885	2899	rVB	2996067	4987372	84.65%	6.700%
40	20.080	2970	2974	2976	rBV4	85849	138837	2.36%	0.187%
41	20.480	3040	3042	3047	rVB	99043	114404	1.94%	0.154%
42	20.550	3051	3054	3057	rVV	170122	186347	3.16%	0.250%
43	20.597	3059	3062	3067	rVB2	95646	119551	2.03%	0.161%
44	20.809	3095	3098	3105	rBV	141656	204371	3.47%	0.275%
45	21.015	3128	3133	3136	rBV	386882	666389	11.31%	0.895%
46	21.056	3136	3140	3149	rVB3	735200	1557406	26.43%	2.092%
47	21.256	3170	3174	3180	rVB	992480	1141418	19.37%	1.533%
48	21.350	3184	3190	3194	rBV	4248455	5891554	100.00%	7.915%
49	21.492	3211	3214	3216	rBV	226677	283334	4.81%	0.381%
50	21.568	3223	3227	3231	rBV	478536	585494	9.94%	0.787%
51	21.609	3232	3234	3237	rVV3	215057	263837	4.48%	0.354%
52	21.639	3237	3239	3243	rVB2	162612	175468	2.98%	0.236%
53	21.933	3285	3289	3292	rBV	422972	588620	9.99%	0.791%
54	22.397	3364	3368	3375	rVB	438524	583087	9.90%	0.783%
55	22.909	3450	3455	3460	rBV2	1228250	2007166	34.07%	2.697%
56	23.474	3544	3551	3557	rBV	2529708	4915404	83.43%	6.604%
57	23.621	3568	3576	3592	rVB	2757585	5759141	97.75%	7.737%
58	23.803	3604	3607	3617	rVB7	313596	672633	11.42%	0.904%
59	24.138	3657	3664	3672	rVB	1835301	3768687	63.97%	5.063%
60	24.227	3675	3679	3692	rVB2	299342	702782	11.93%	0.944%
61	24.891	3786	3792	3800	rBV2	594098	1355205	23.00%	1.821%
62	25.350	3864	3870	3877	rVB3	453500	1038181	17.62%	1.395%
63	25.768	3934	3941	3951	rVB	920626	2296005	38.97%	3.085%
64	28.021	4313	4324	4342	rBV4	555493	2593263	44.02%	3.484%

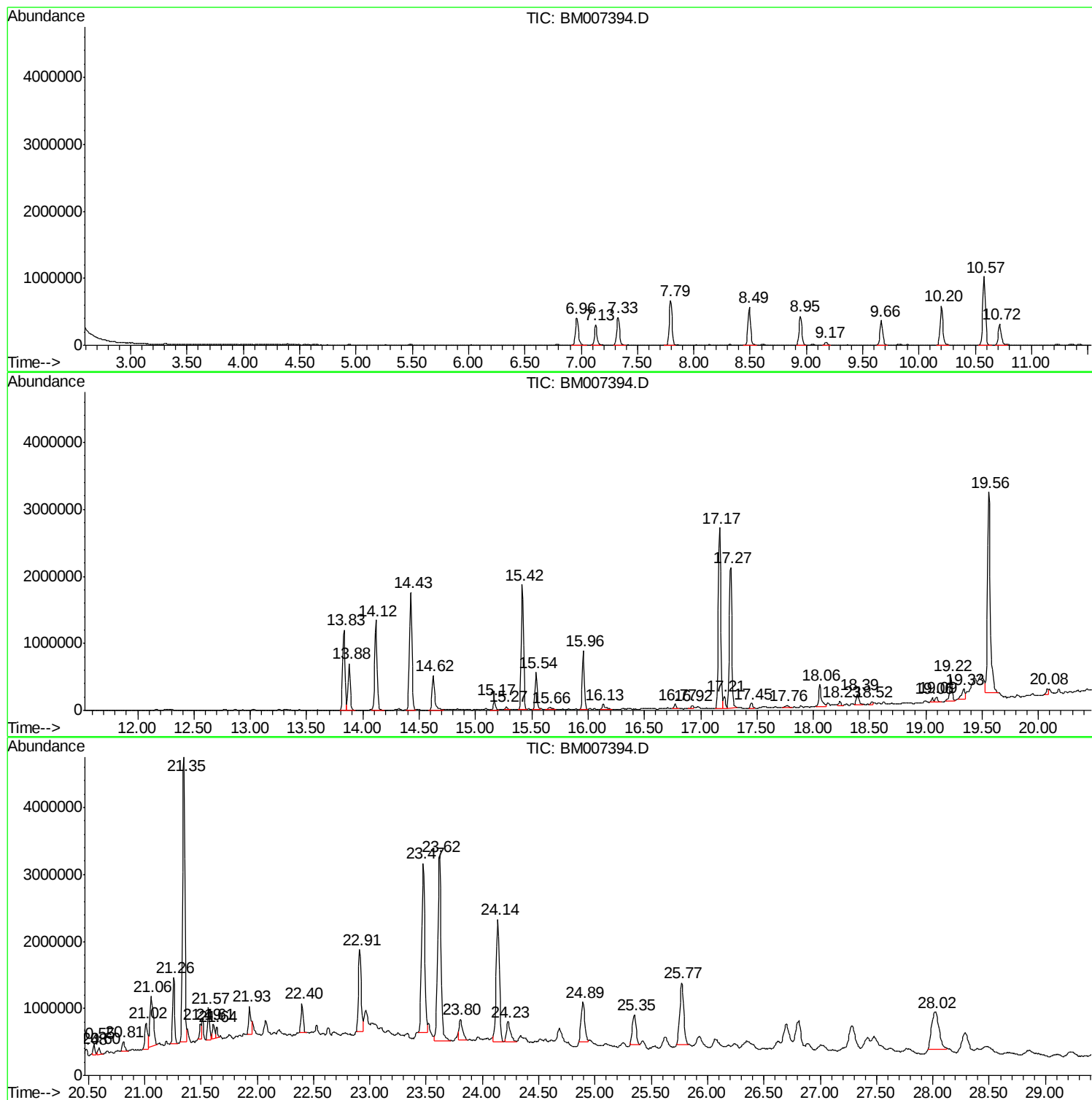
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Quant Title : SVOA CALIBRATION

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



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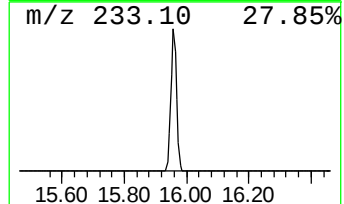
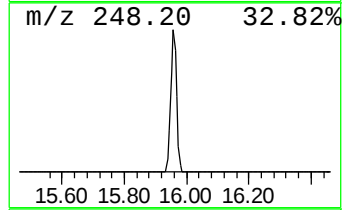
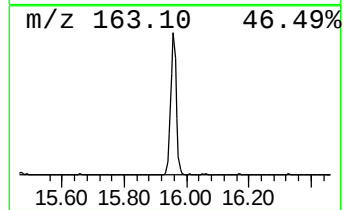
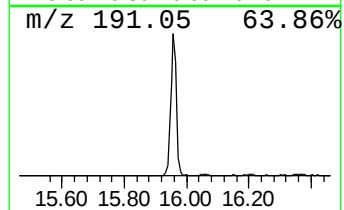
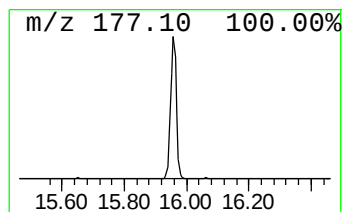
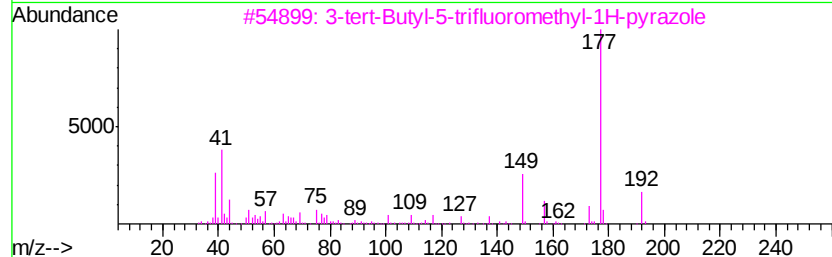
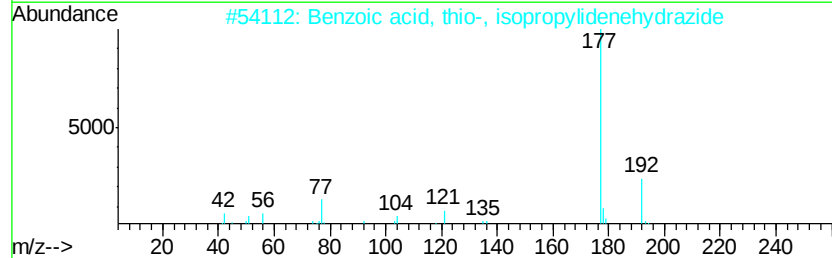
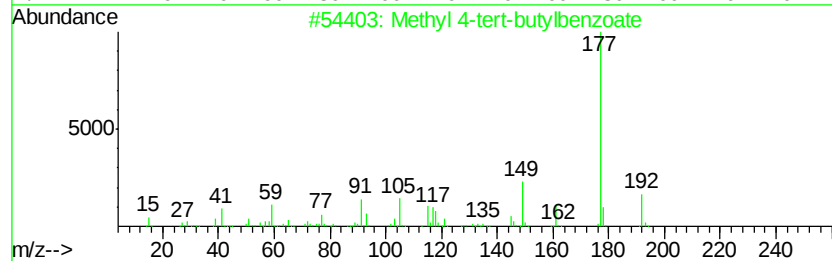
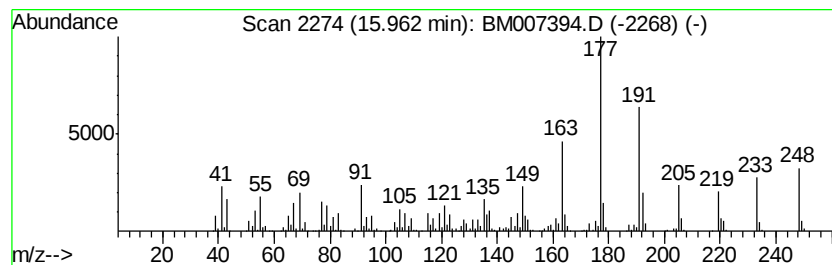
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

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

Peak Number 1 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	5.64 ng/ul	1114680	Phenanthrene-d10	17.17

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Methyl 4-tert-butylbenzoate	192	C12H16O2	026537-19-9	38
2			Benzoic acid, thio-, isopropylid...	192	C10H12N2S	020185-02-8	30
3			3-tert-Butyl-5-trifluoromethyl-1...	192	C8H11F3N2	150433-22-0	30
4			1,3-Benzodioxol-2-one, 5-(1,1-di...	192	C11H12O3	054815-21-3	30
5			Benzene, 1-(1-carboxyethyl)-4-(1...	206	C12H14O3	1000161-22-9	25



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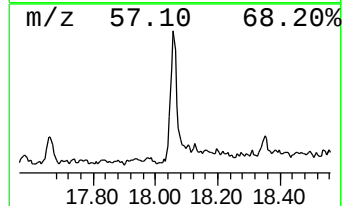
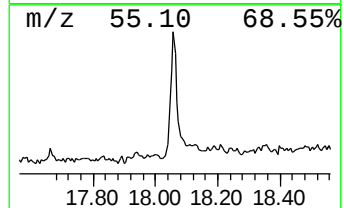
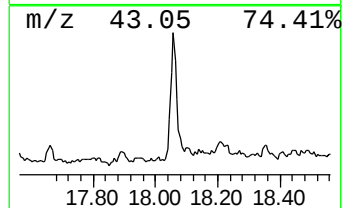
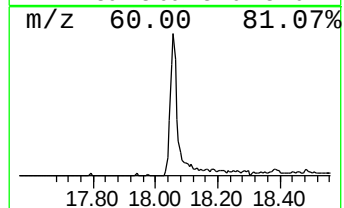
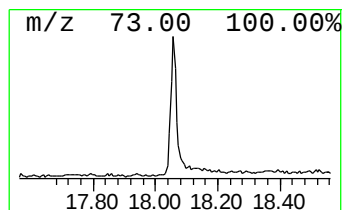
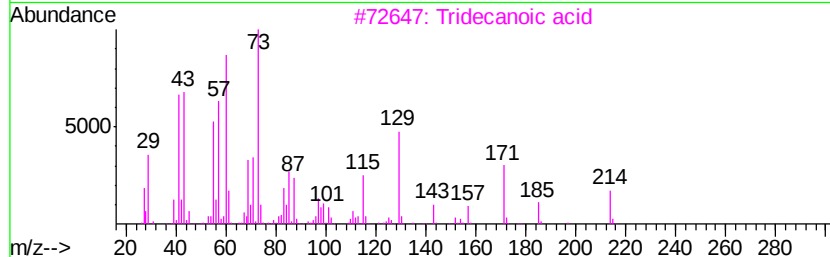
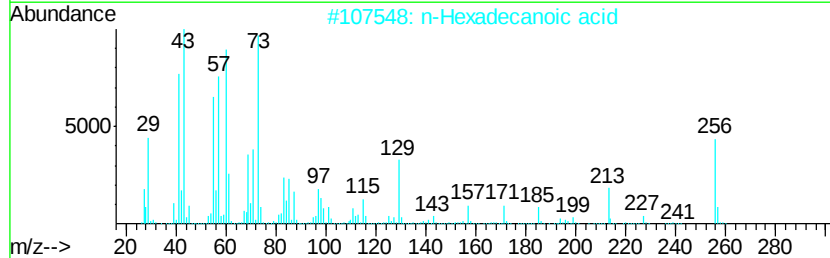
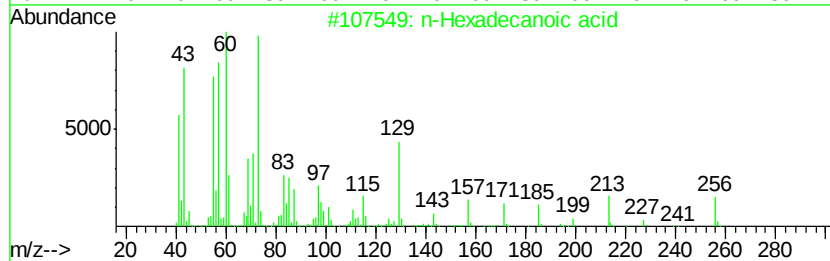
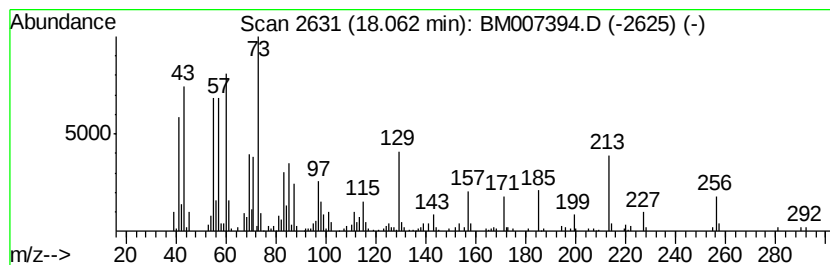
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Quant Title : SVOA CALIBRATION

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

Peak Number 2 n-Hexadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	2.64 ng/ul	521501	Phenanthrene-d10	17.17

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98	
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95	
3	Tridecanoic acid	214	C13H26O2	000638-53-9	91	
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	86	
5	n-Decanoic acid	172	C10H20O2	000334-48-5	76	



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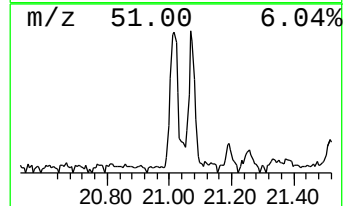
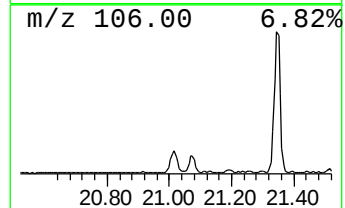
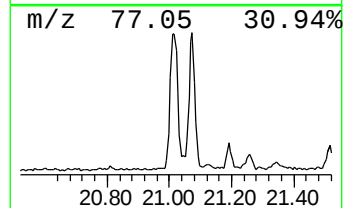
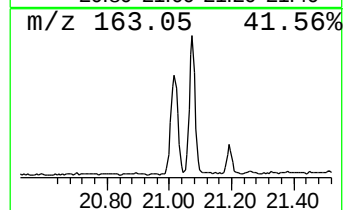
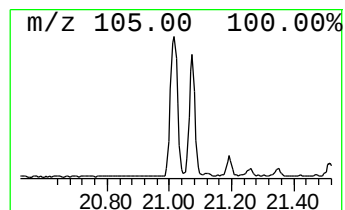
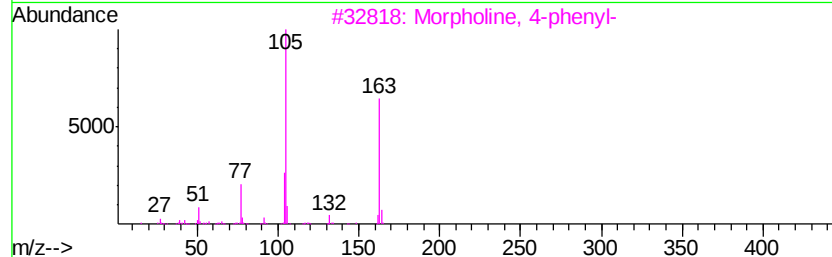
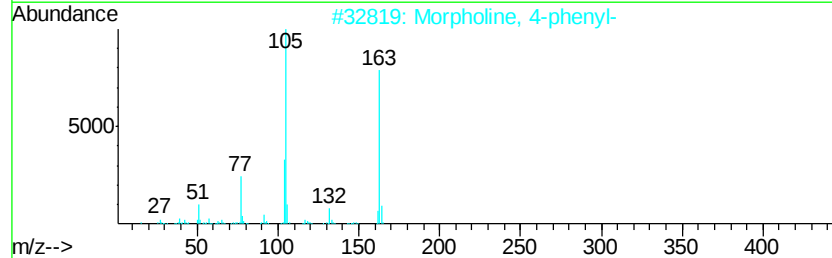
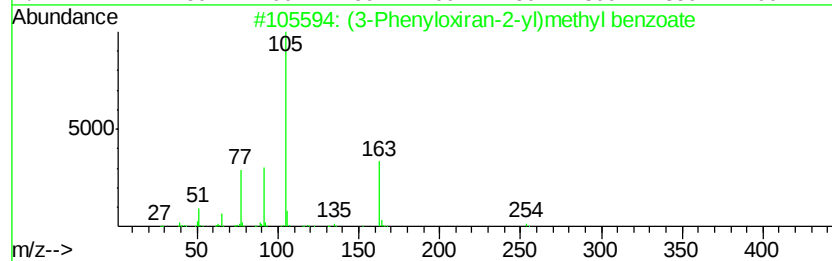
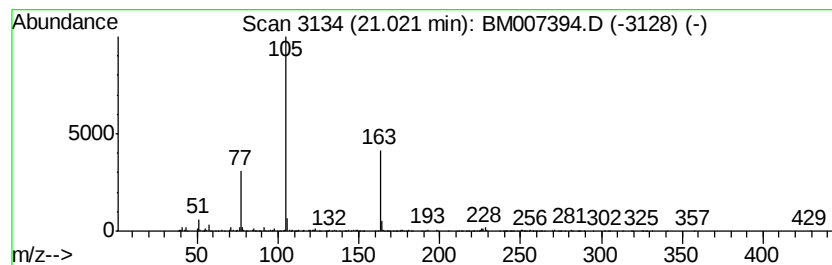
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 (3-Phenyloxiran-2-yl)methyl... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.02	2.26 ng/ul	666389	Chrysene-d12	21.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(3-Phenyloxiran-2-yl)methyl benz...	254	C16H14O3	1000366-96-1	56
2		Morpholine, 4-phenyl-	163	C10H13NO	000092-53-5	50
3		Morpholine, 4-phenyl-	163	C10H13NO	000092-53-5	45
4		2,6-Dimethylphenyl benzoate	226	C15H14O2	001871-36-9	30
5		Broxaldine	419	C17H11Br2NO2	003684-46-6	27



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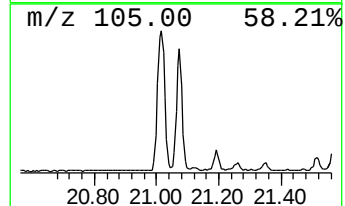
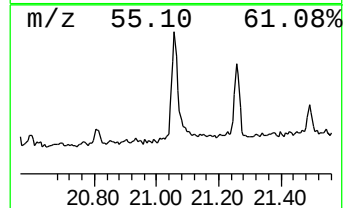
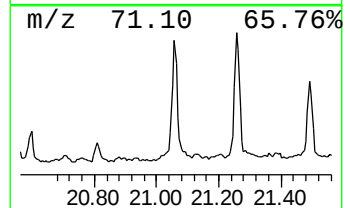
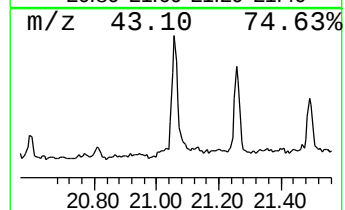
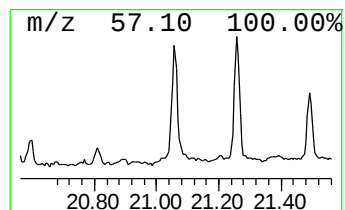
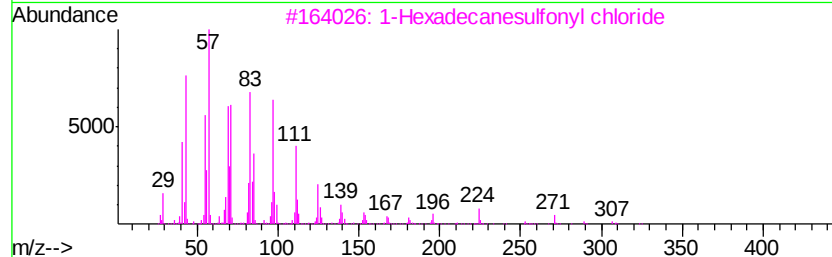
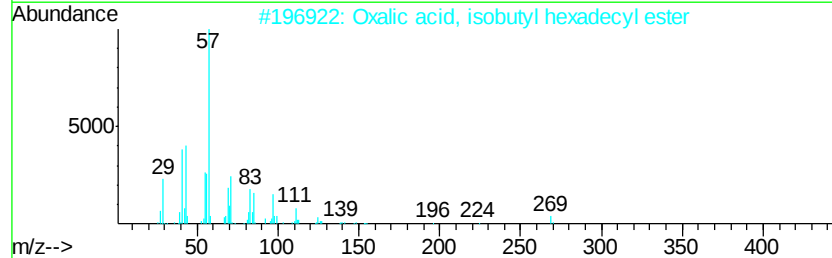
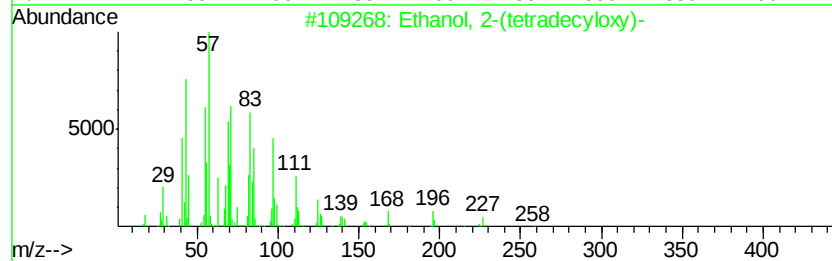
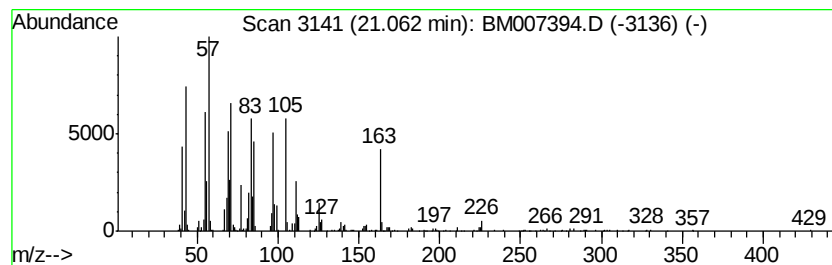
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Peak Number 4 Ethanol, 2-(tetradecyloxy)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.		
21.06	5.29 ng/ul	1557410	Chrysene-d12	21.35		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	95
2		Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	91
3		1-Hexadecanesulfonyl chloride	324	C16H33ClO2S	038775-38-1	90
4		1-Dodecanol, 2-hexyl-	270	C18H38O	110225-00-8	87
5		Heneicosyl heptafluorobutyrate	508	C25H43F7O2	1000351-83-8	83



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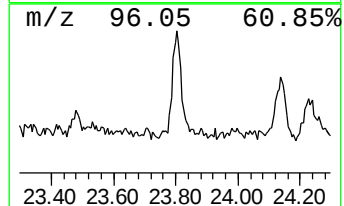
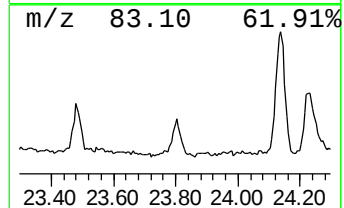
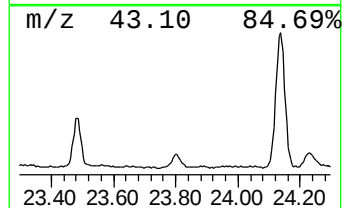
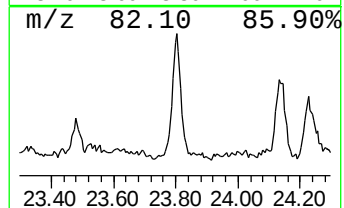
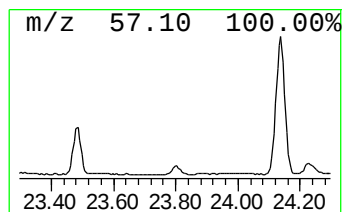
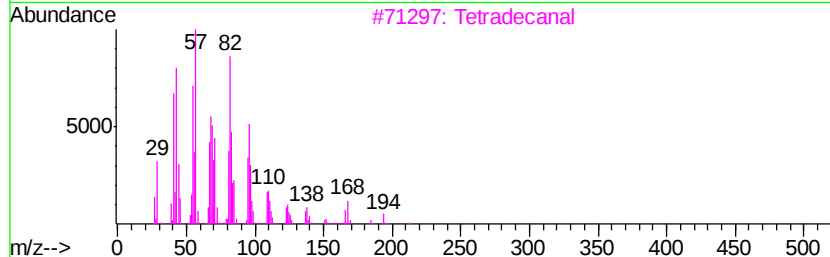
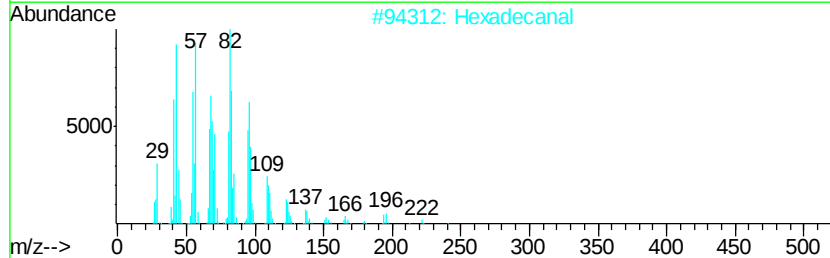
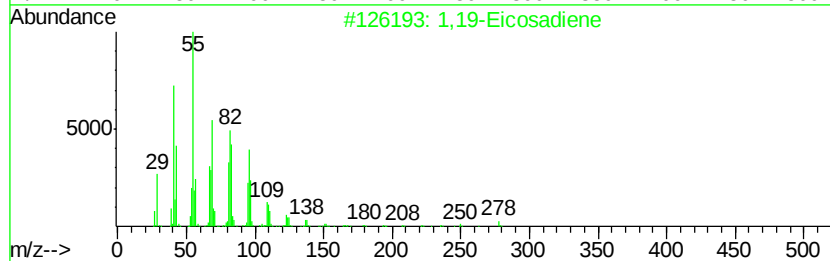
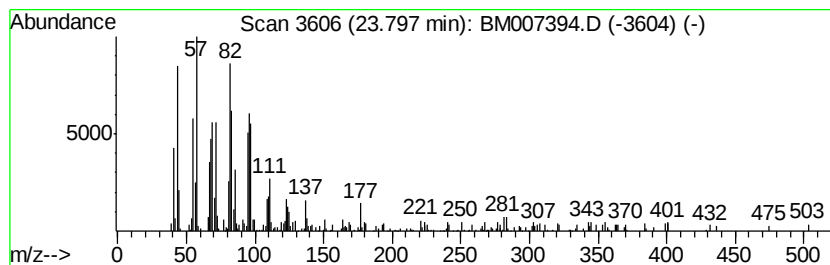
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Quant Title : SVOA CALIBRATION

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

Peak Number 5 1,19-Eicosadiene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.80	2.34 ng/ul	672633	Perylene-d12	23.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,19-Eicosadiene	278	C20H38	014811-95-1	90
2		Hexadecanal	240	C16H32O	000629-80-1	87
3		Tetradecanal	212	C14H28O	000124-25-4	78
4		Bicyclo[10.8.0]eicosane, (E)-	278	C20H38	1000155-85-0	76
5		Octadecanal	268	C18H36O	000638-66-4	74



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
Data File : BM007394.D
Acq On : 03 Sep 2016 07:10
Operator : UM/SJ
Sample : H4655-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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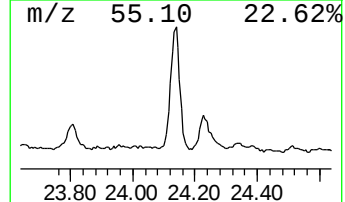
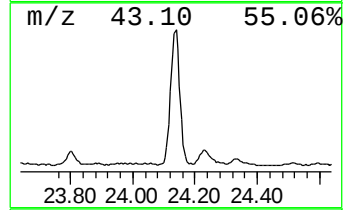
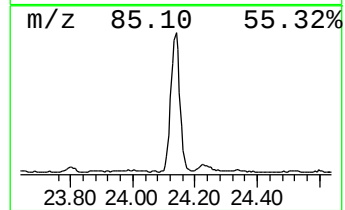
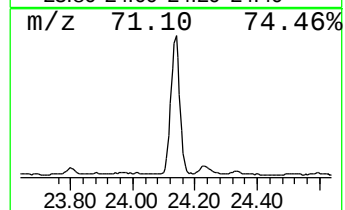
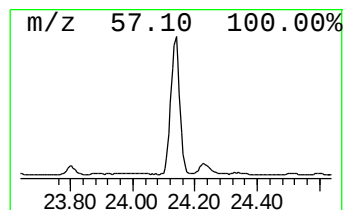
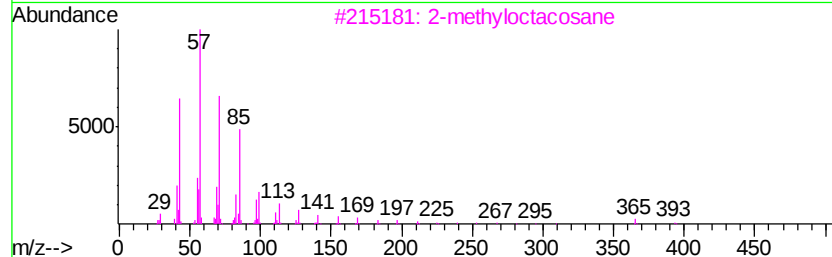
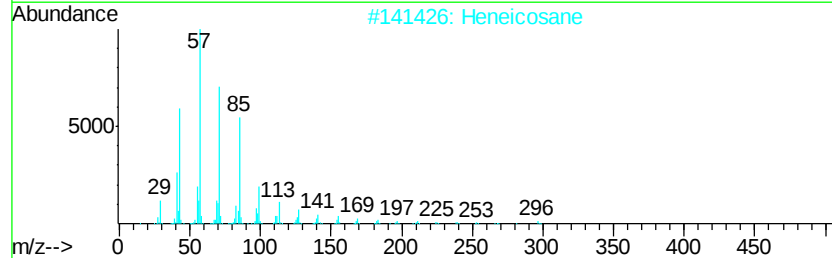
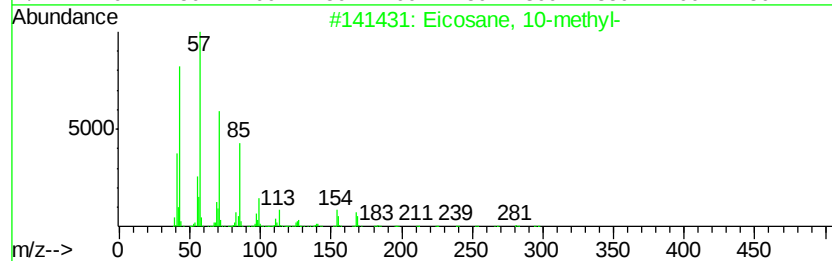
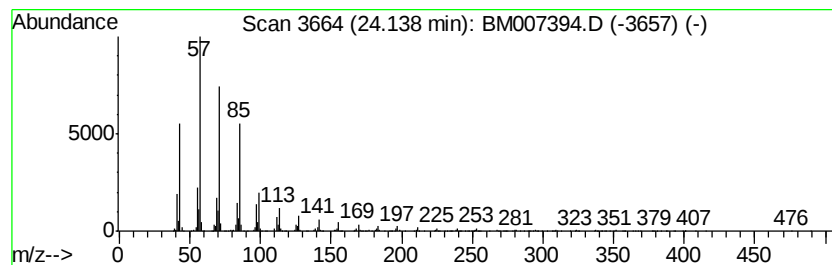
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Quant Title : SVOA CALIBRATION

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.14	13.09 ng/ul	3768690	Perylene-d12	23.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
2		Heneicosane	296	C21H44	000629-94-7	91
3		2-methyloctacosane	408	C29H60	1000376-72-8	91
4		Tetracosane	338	C24H50	000646-31-1	91
5		triacontane	422	C30H62	000638-68-6	91



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
Data File : BM007394.D
Acq On : 03 Sep 2016 07:10
Operator : UM/SJ
Sample : H4655-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

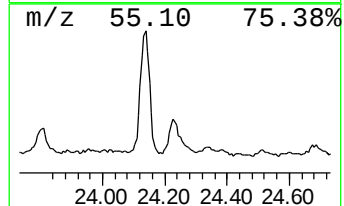
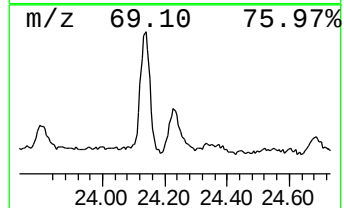
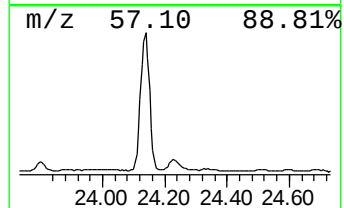
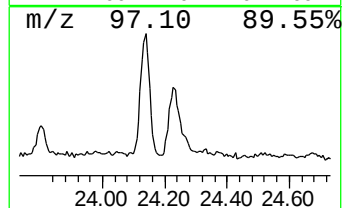
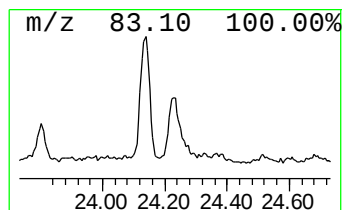
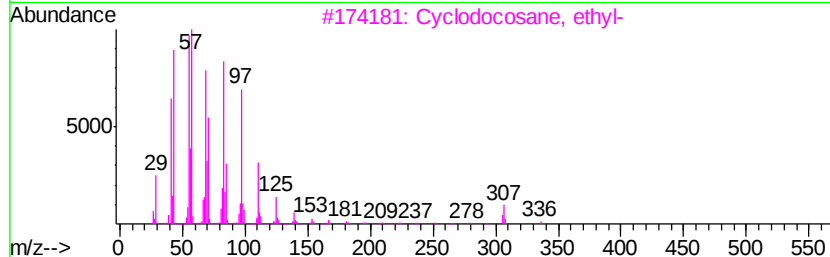
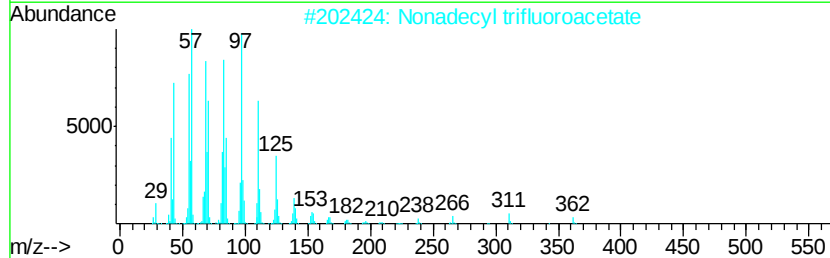
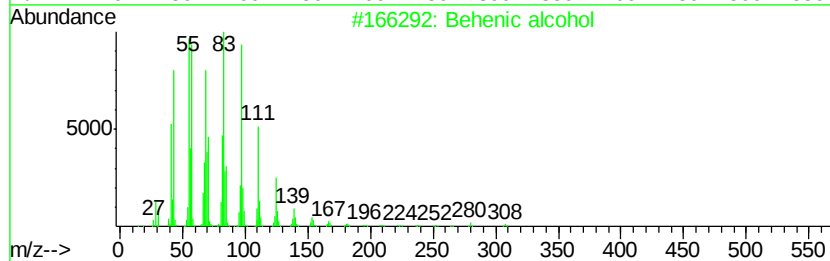
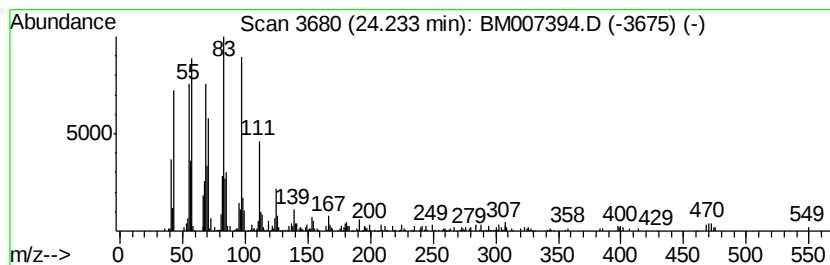
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Quant Title : SVOA CALIBRATION

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

Peak Number 7 Behenic alcohol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.23	2.44 ng/ul	702782	Perylene-d12	23.62
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Behenic alcohol	326 C22H46O	000661-19-8 93
2		Nonadecyl trifluoroacetate	380 C21H39F3O2	1000351-76-3 91
3		Cyclodocosane, ethyl-	336 C24H48	1000151-22-6 91
4		Heptacosyl acetate	438 C29H58O2	1000351-78-2 89
5		Octacosanol	410 C28H58O	000557-61-9 89



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
Data File : BM007394.D
Acq On : 03 Sep 2016 07:10
Operator : UM/SJ
Sample : H4655-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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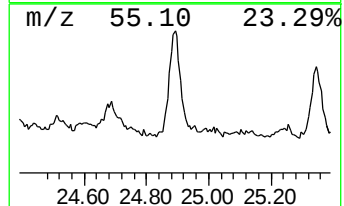
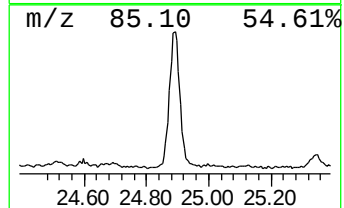
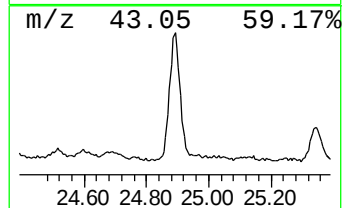
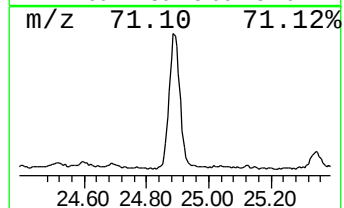
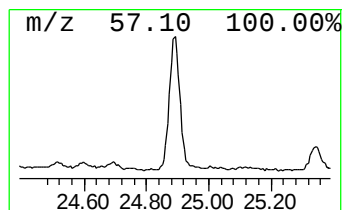
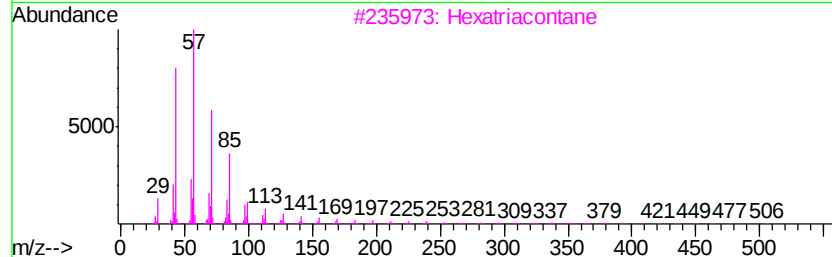
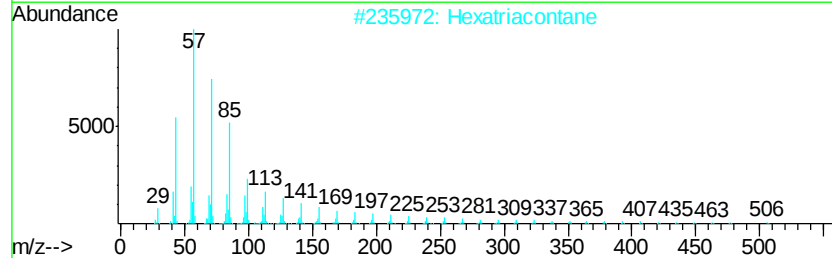
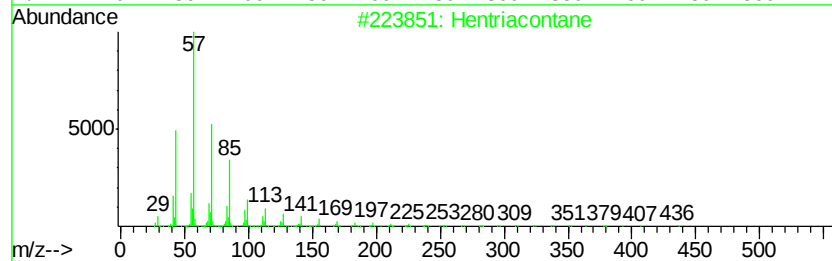
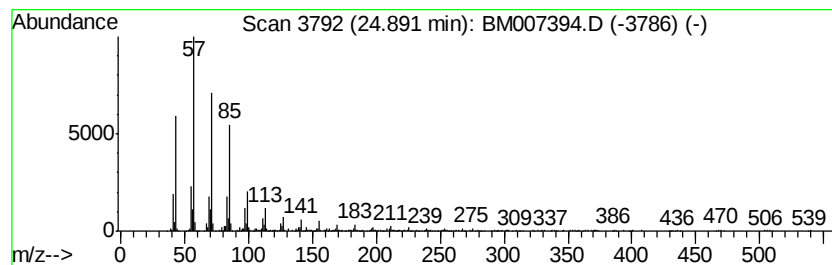
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Quant Title : SVOA CALIBRATION

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.89	4.71 ng/ul	1355210	Perylene-d12	23.62

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hentriacontane	437	C31H64	000630-04-6	95
2			Hexatriacontane	507	C36H74	000630-06-8	93
3			Hexatriacontane	507	C36H74	000630-06-8	91
4			Octadecane, 2-methyl-	268	C19H40	001560-88-9	91
5			Heptadecane	240	C17H36	000629-78-7	91



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
Data File : BM007394.D
Acq On : 03 Sep 2016 07:10
Operator : UM/SJ
Sample : H4655-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

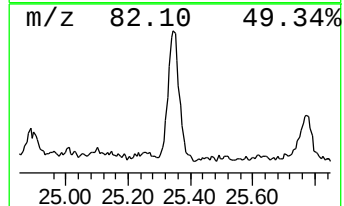
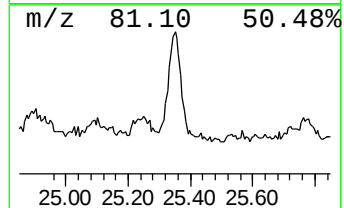
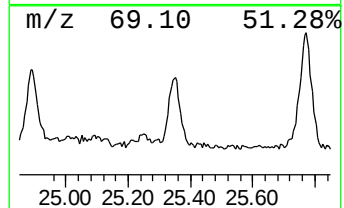
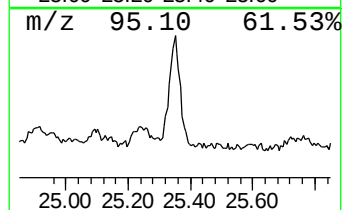
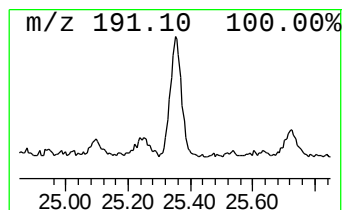
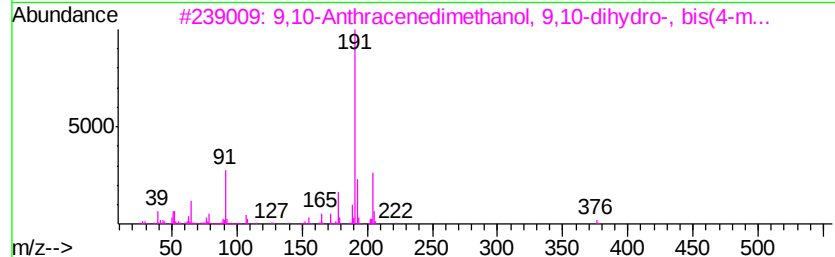
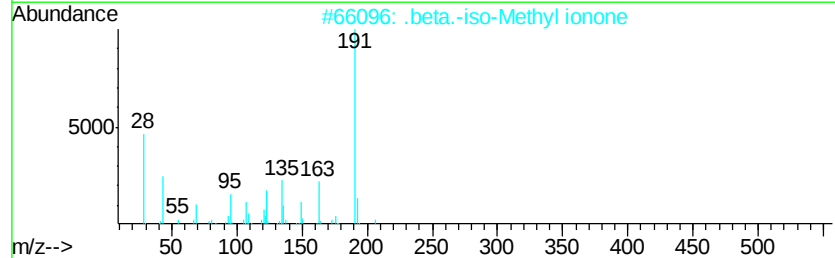
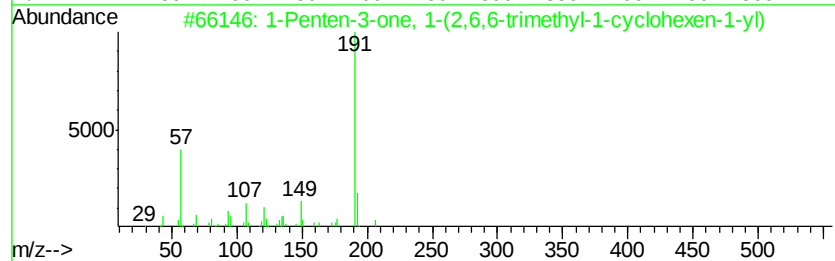
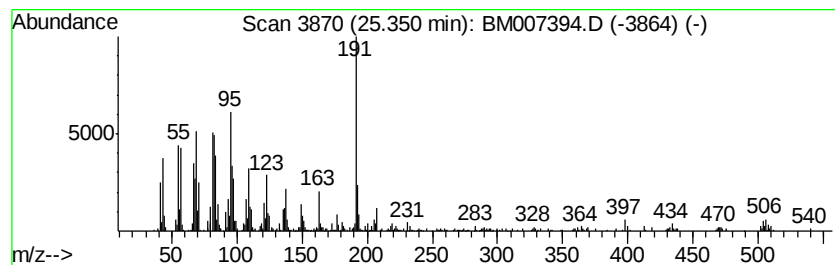
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

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

Peak Number 9 1-Penten-3-one, 1-(2,6,6-tr... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.		
25.35	3.61 ng/ul	1038180	Perylene-d12	23.62		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	95	
2	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	53	
3	9,10-Anthracenedimethanol, 9,10-...	548	C30H28O6S2	1000195-17-4	47	
4	Silane, 1,3-decadiynyltrimethyl-	206	C13H22Si	084751-17-7	47	
5	Pyrido[3,4-d]pyrimidine-2,4(1H,3...	191	C9H9N3O2	022389-83-9	43	



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
Data File : BM007394.D
Acq On : 03 Sep 2016 07:10
Operator : UM/SJ
Sample : H4655-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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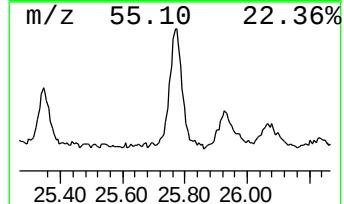
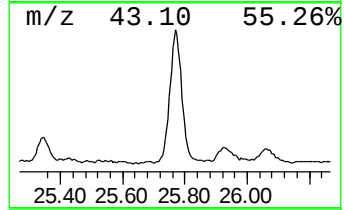
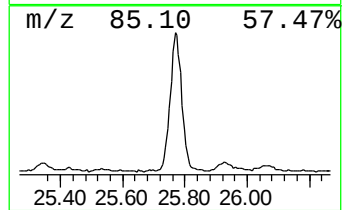
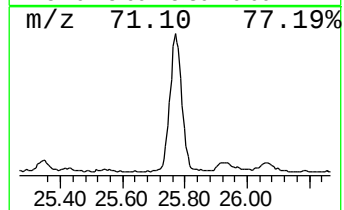
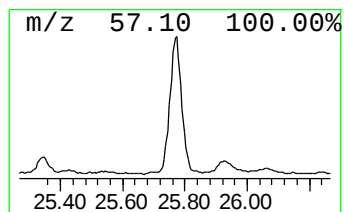
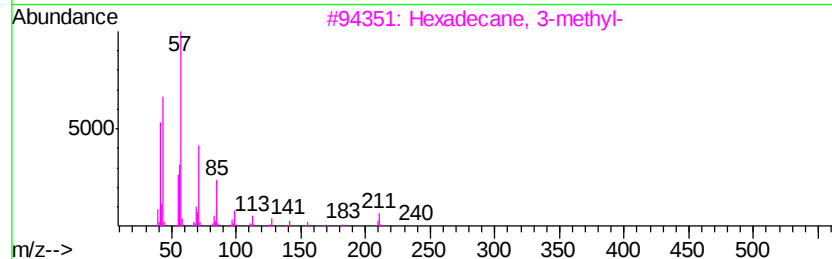
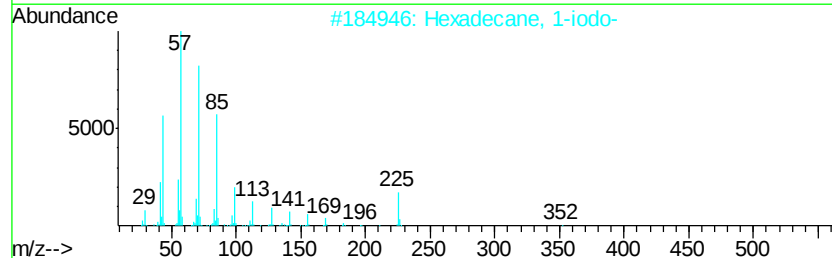
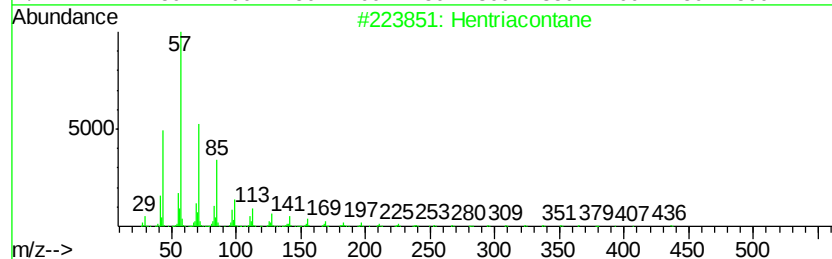
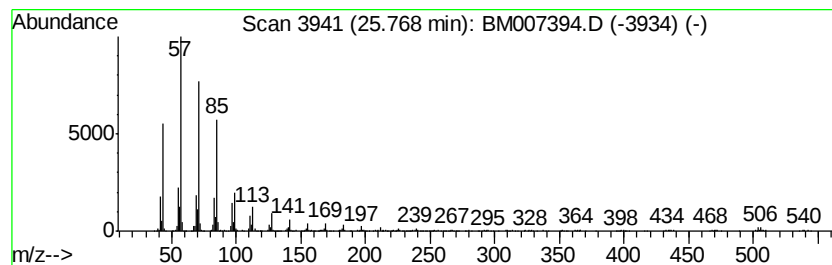
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Quant Title : SVOA CALIBRATION

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.77	7.97 ng/ul	2296010	Perylene-d12	23.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hentriacontane	437	C31H64	000630-04-6	98
2		Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	95
3		Hexadecane, 3-methyl-	240	C17H36	006418-43-5	87
4		Heneicosane	296	C21H44	000629-94-7	87
5		2-methyloctacosane	408	C29H60	1000376-72-8	87



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
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Acq On : 03 Sep 2016 07:10
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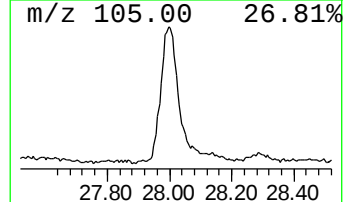
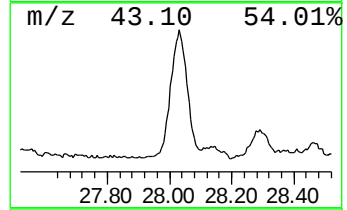
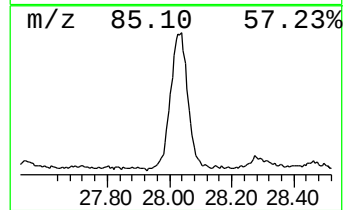
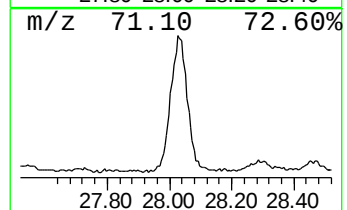
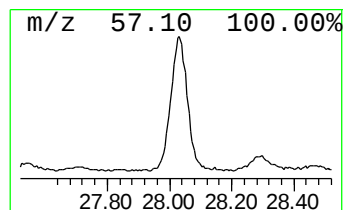
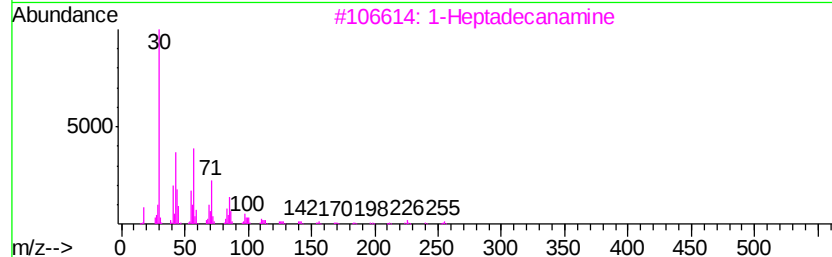
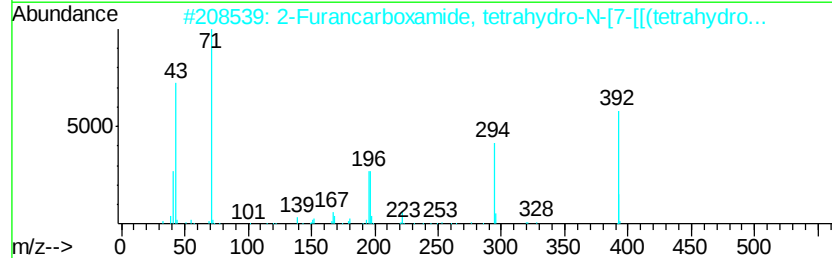
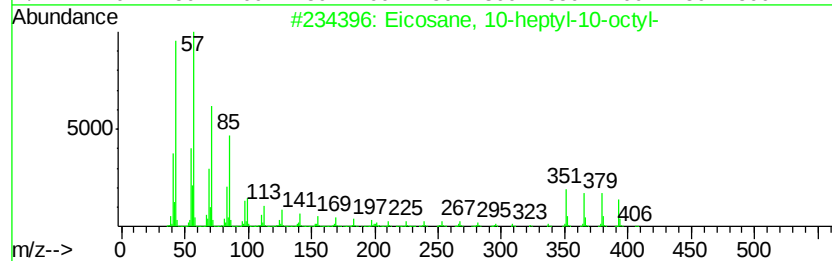
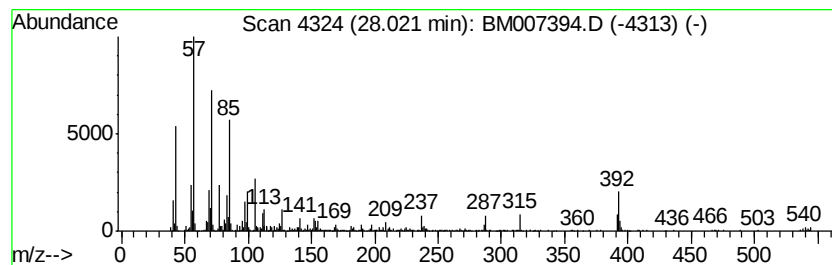
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Quant Title : SVOA CALIBRATION

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
28.02	9.01 ng/ul	2593260	Perylene-d12	23.62	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 10-heptyl-10-octyl-	493	C35H72	055470-98-9	30
2	2-Furancarboxamide, tetrahydro-N...	392	C23H24N2O4	1000337-39-2	9
3	1-Heptadecanamine	255	C17H37N	004200-95-7	9
4	2-Furanmethanamine, tetrahydro-	101	C5H11NO	004795-29-3	8
5	2-(3-Methylguanidino)ethanol	117	C4H11N3O	1000242-22-5	5



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
Data File : BM007394.D
Acq On : 03 Sep 2016 07:10
Operator : UM/SJ
Sample : H4655-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0005

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.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
unknown-01	15.96	5.6	ng/ul	1114680	4	17.17	3954720	20.0
n-Hexadecanoic acid	18.06	2.6	ng/ul	521501	4	17.17	3954720	20.0
(3-Phenyloxiran-2...	21.02	2.3	ng/ul	666389	5	21.35	5891550	20.0
Ethanol, 2-(tetra...	21.06	5.3	ng/ul	1557410	5	21.35	5891550	20.0
1,19-Eicosadiene	23.80	2.3	ng/ul	672633	6	23.62	5759140	20.0
(DEL) Alkane: Str...	24.14	13.1	ng/ul	3768690	6	23.62	5759140	20.0
Behenic alcohol	24.23	2.4	ng/ul	702782	6	23.62	5759140	20.0
(DEL) Alkane: Str...	24.89	4.7	ng/ul	1355210	6	23.62	5759140	20.0
1-Penten-3-one, 1...	25.35	3.6	ng/ul	1038180	6	23.62	5759140	20.0
(DEL) Alkane: Str...	25.77	8.0	ng/ul	2296010	6	23.62	5759140	20.0
(DEL) Alkane: Str...	28.02	9.0	ng/ul	2593260	6	23.62	5759140	20.0