LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090316\
Data File : BM007404.D
Acq On : 03 Sep 2016 13:10
Operator : UM/SJ
Sample : H4655-09
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0007

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\HPCHEM1\BNA_M\METHODS\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	6.963	737	744	758	rVB	660359	1126718	15.61%	1.255%
2	7.128	765	772	784	rBV	507811	799368	11.08%	0.891%
3	7.328	800	806	815	rBV	697760	1141619	15.82%	1.272%
4	7.793	878	885	893	rBV	823635	1334746	18.49%	1.487%
5	8.492	994	1004	1016	rBV	765735	1277943	17.71%	1.424%
6	8.945	1074	1081	1091	rBV	710481	1204426	16.69%	1.342%
7	9.063	1096	1101	1105	rBV	50617	78384	1.09%	0.087%
8	9.663	1196	1203	1214	rBV	637572	1090392	15.11%	1.215%
9	10.198	1287	1294	1306	rBV	942370	1653055	22.91%	1.842%
10	10.581	1349	1359	1367	rBV	1222706	2133314	29.56%	2.377%
11	10.716	1374	1382	1399	rBV	520692	956663	13.26%	1.066%
12	13.833	1903	1912	1916	rBV	1970685	2748283	38.08%	3.062%
13	13.880	1916	1920	1928	rVB	1372317	1864679	25.84%	2.078%
14	14.116	1954	1960	1966	rBV	2140651	3197189	44.30%	3.562%
15	14.427	2004	2013	2021	rBV2	2048381	3400303	47.12%	3.789%
16	14.633	2041	2048	2059	rBV	772153	1414642	19.60%	1.576%
17	15.169	2133	2139	2145	rBV	799434	1104712	15.31%	1.231%
18	15.274	2153	2157	2161	rVB	84188	105763	1.47%	0.118%
19	15.416	2175	2181	2187	rBV	2787236	4185576	58.00%	4.663%
20	15.539	2196	2202	2214	rVV	832478	1204342	16.69%	1.342%
21	15.657	2218	2222	2230	rVB5	54146	115066	1.59%	0.128%
22	16.133	2298	2303	2312	rBV	133130	249191	3.45%	0.278%
23	16.568	2373	2377	2385	rVB3	72415	106808	1.48%	0.119%
24	16.774	2408	2412	2417	rVB	134284	177613	2.46%	0.198%
25	16.921	2428	2437	2441	rBV2	106545	171628	2.38%	0.191%
26	16.980	2441	2447	2455	rVB3	216606	332072	4.60%	0.370%
27	17.063	2456	2461	2464	rBV5	48166	79477	1.10%	0.089%
28	17.168	2473	2479	2483	rBV	2943543	4316390	59.81%	4.809%
29	17.210	2483	2486	2490	rVV	499893	667781	9.25%	0.744%
30	17.268	2490	2496	2505	rVV	3352935	5020092	69.56%	5.593%
31	17.568	2538	2547	2553	rBV	72976	158849	2.20%	0.177%
32	17.757	2574	2579	2586	rBV3	70208	156322	2.17%	0.174%
33	17.939	2605	2610	2616	rBV3	95486	195783	2.71%	0.218%
34	18.062	2624	2631	2640	rBV2	615610	1053207	14.59%	1.173%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H4655-09
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0007

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

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

35	18.233	2655	2660	2665	rBV2	232836	371405	5.15%	0.414%
36	18.298	2668	2671	2674	rVB	77664	95049	1.32%	0.106%
37	18.351	2675	2680	2684	rBV7	121594	187177	2.59%	0.209%
38	18.521	2705	2709	2711	rBV2	74970	105180	1.46%	0.117%
39	19.056	2797	2800	2802	rBV	113718	135088	1.87%	0.151%
40	19.092	2803	2806	2814	rVB4	178217	301318	4.18%	0.336%
41	19.227	2821	2829	2835	rVB	1146099	1610893	22.32%	1.795%
42	19.339	2845	2848	2850	rBV3	110356	120820	1.67%	0.135%
43	19.562	2880	2886	2890	rBV	4654291	7039095	97.54%	7.843%
44	20.080	2970	2974	2979	rVB3	290951	484663	6.72%	0.540%
45	20.186	2988	2992	2996	rBV	118497	154184	2.14%	0.172%
46	20.351	3018	3020	3023	rVB2	79719	80801	1.12%	0.090%
47	20.486	3040	3043	3047	rBV	193210	193102	2.68%	0.215%
48	21.050	3134	3139	3148	rBV4	1140023	1829205	25.35%	2.038%
49	21.256	3172	3174	3178	rVB	199078	218421	3.03%	0.243%
50	21.350	3183	3190	3194	rVV	4921735	7216880	100.00%	8.041%
51	21.386	3194	3196	3203	rVB	610984	707515	9.80%	0.788%
52	21.515	3214	3218	3223	rVB2	577531	789722	10.94%	0.880%
53	21.568	3223	3227	3231	rBV	943023	1122658	15.56%	1.251%
54	21.615	3231	3235	3237	rVV2	315059	392565	5.44%	0.437%
55	21.645	3237	3240	3251	rVB3	336201	525003	7.27%	0.585%
56	21.950	3287	3292	3301	rVB2	346855	686330	9.51%	0.765%
57	22.533	3386	3391	3402	rVB	962810	1451086	20.11%	1.617%
58	22.915	3451	3456	3460	rBV	1008910	1932522	26.78%	2.153%
59	23.480	3545	3552	3557	rBV2	2859383	5544353	76.82%	6.177%
60	23.621	3569	3576	3583	rBV	2622676	4982968	69.05%	5.552%
61	24.139	3658	3664	3672	rVB	1476108	2917221	40.42%	3.250%
62	24.227	3674	3679	3692	rVV	398030	894342	12.39%	0.996%
63	24.897	3788	3793	3810	rVB3	409971	1066796	14.78%	1.189%
64	25.774	3938	3942	3950	rVB2	390441	855249	11.85%	0.953%
65	26.703	4095	4100	4110	rVB6	346605	918363	12.73%	1.023%

Sum of corrected areas: 89752370

LSC Report - Integrated Chromatogram

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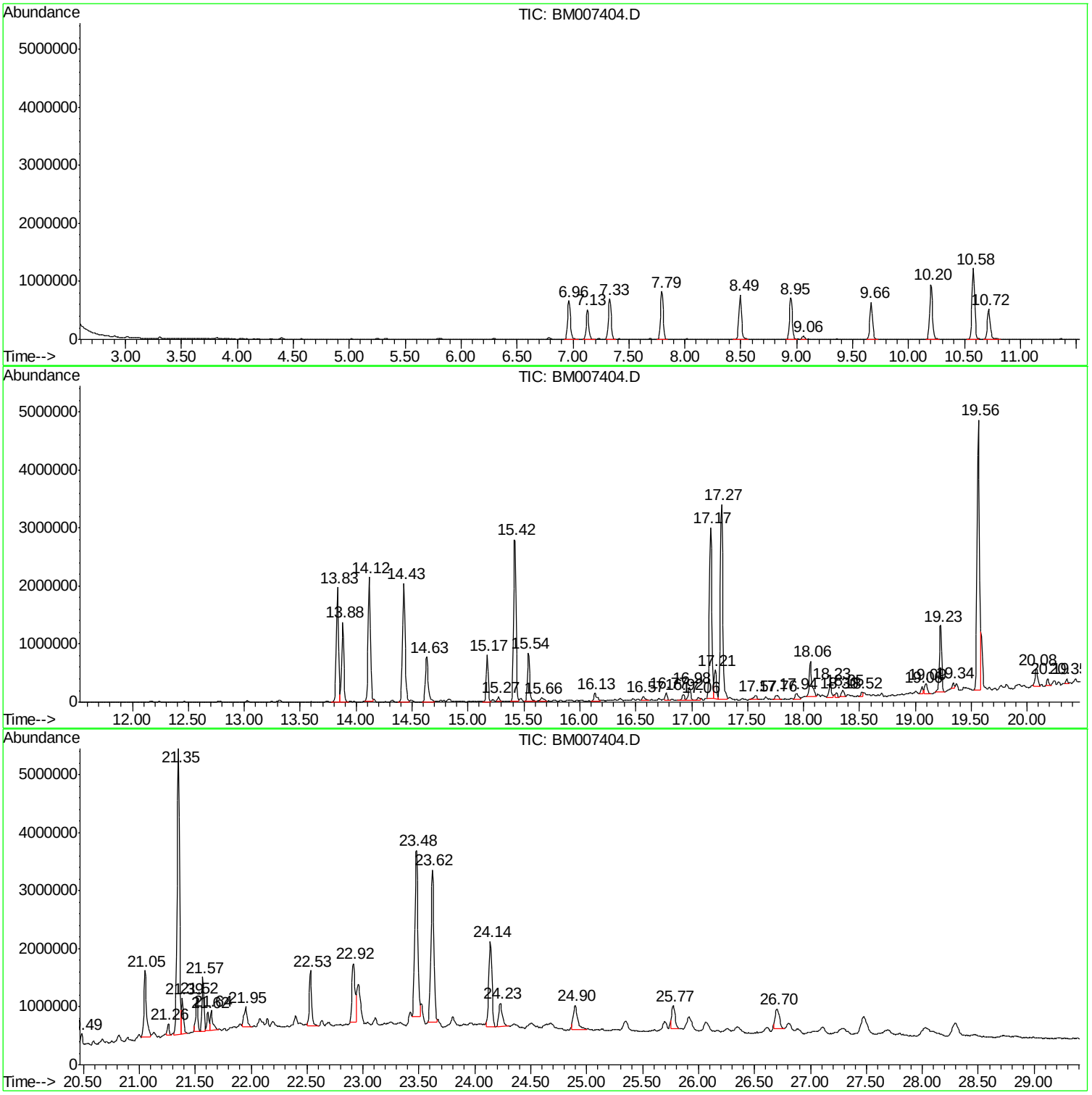
Operator : UM/SJ
Sample : H4655-09
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0007

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



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Instrument : BNA_M
ClientSampleId : C0007

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Quant Title : SVOA CALIBRATION

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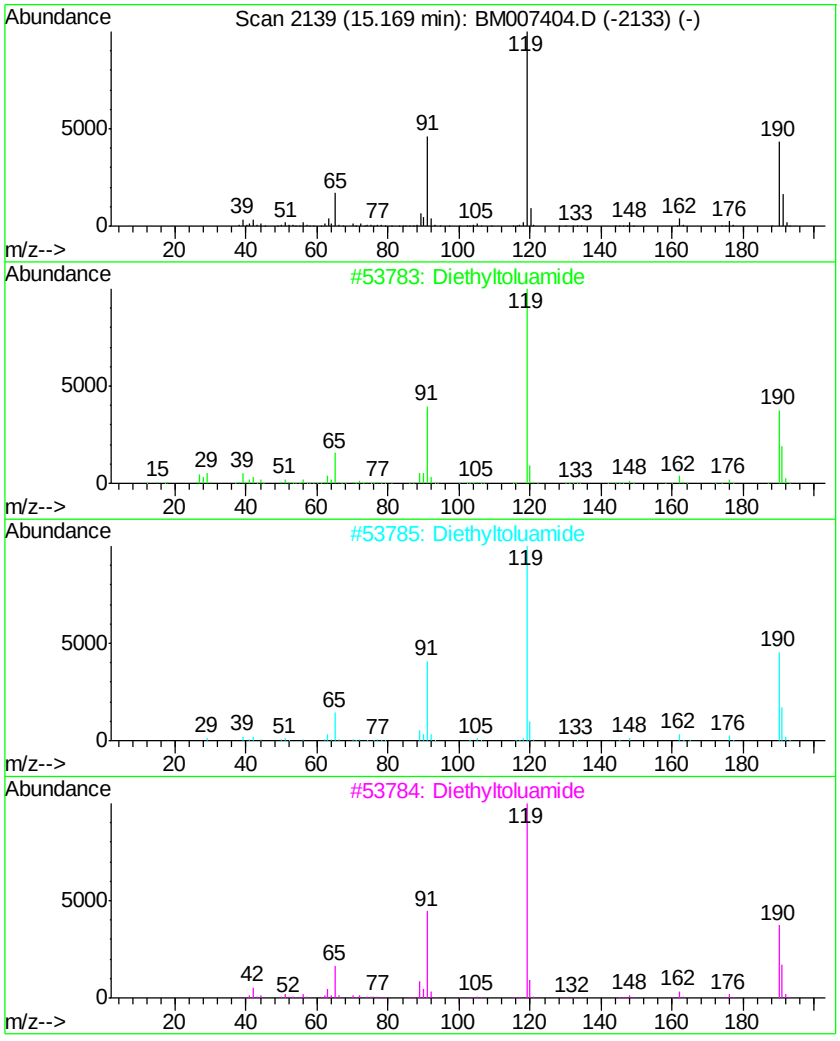
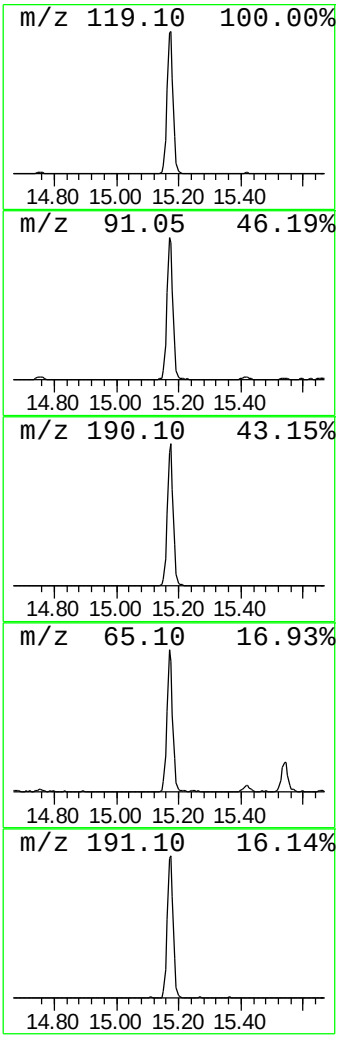
****

Peak Number 1 Diethyltoluamide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	6.50 ng/ul	1104710	Acenaphthene-d10	14.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyltoluamide	191	C12H17NO	000134-62-3	97
2	Diethyltoluamide	191	C12H17NO	000134-62-3	97
3	Diethyltoluamide	191	C12H17NO	000134-62-3	96
4	Benzamide, N,N-diethyl-4-methyl-	191	C12H17NO	002728-05-4	87
5	Diethyltoluamide	191	C12H17NO	000134-62-3	72





Library Search Compound Report

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Misc :
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Instrument : BNA_M
ClientSampleId : C0007

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

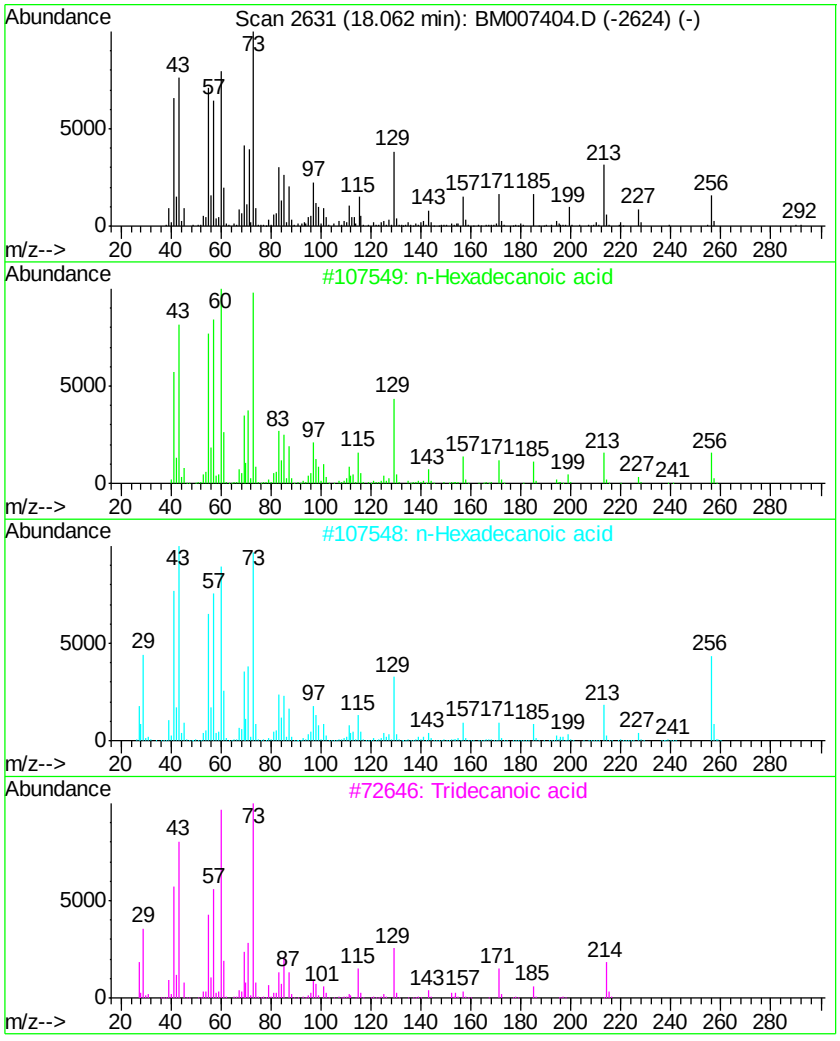
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

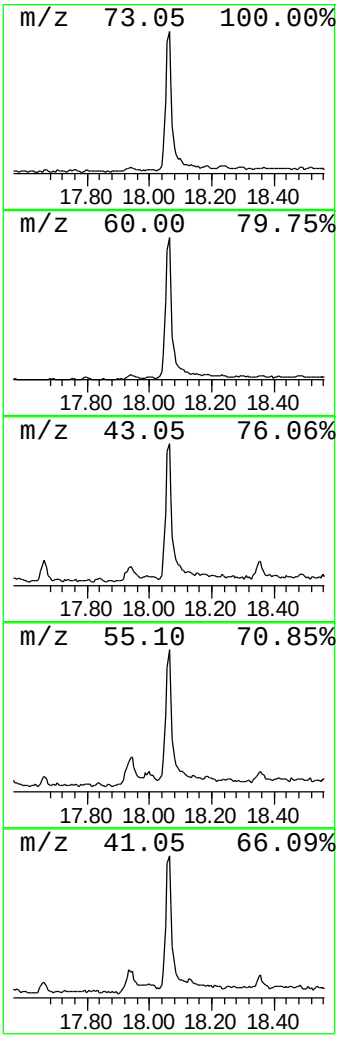
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	4.88 ng/ul	1053210	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
3	Tridecanoic acid	214	C13H26O2	000638-53-9	91
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
5	Octadecanoic acid	284	C18H36O2	000057-11-4	87





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Instrument : BNA_M
ClientSampleId : C0007

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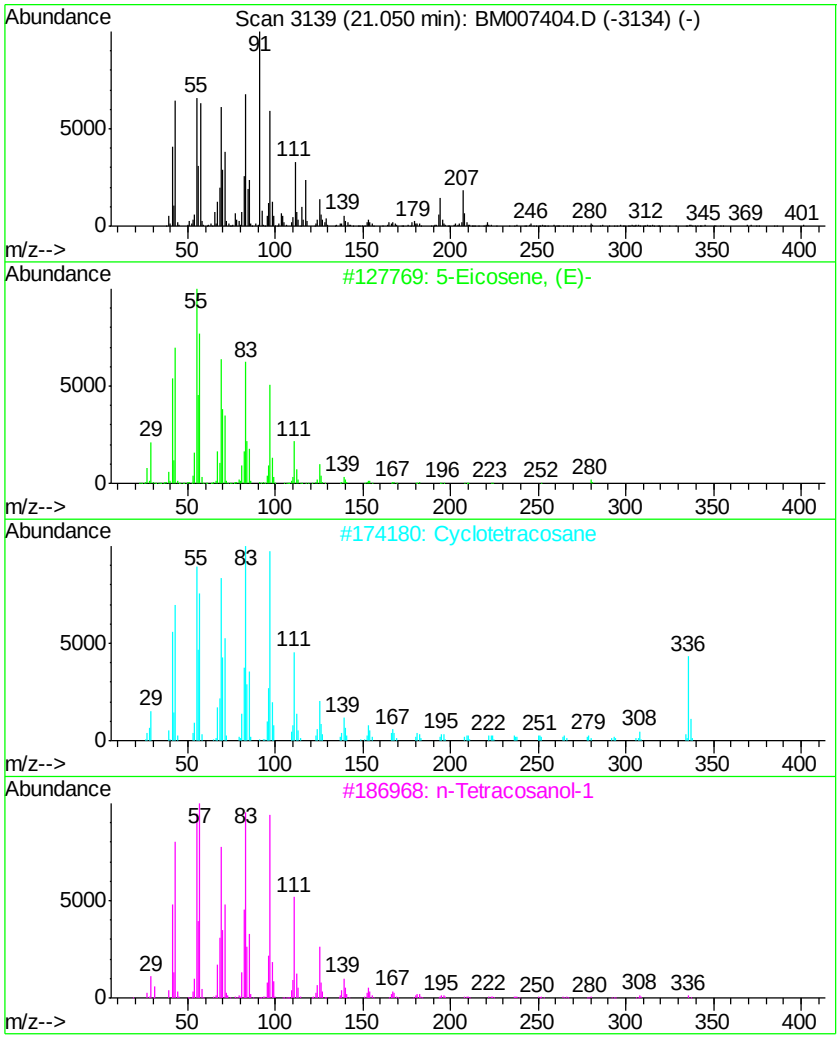
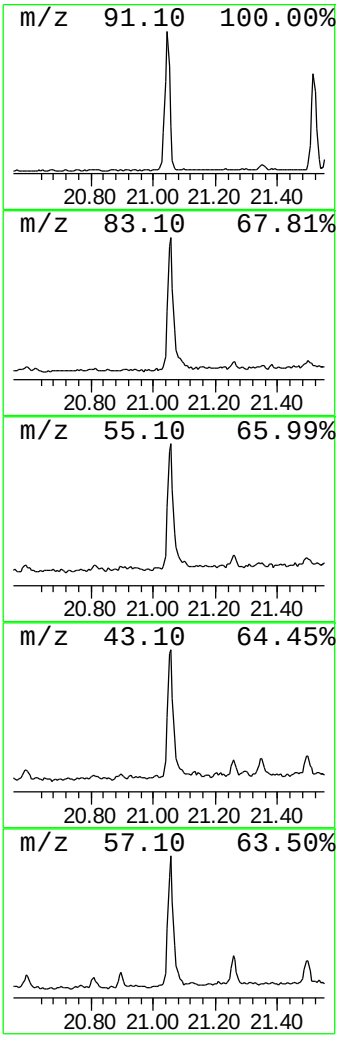
****

Peak Number 3 (DEL) Alkane: Cyclic21.05 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.05	5.07 ng/ul	1829210	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	98
2	Cyclotetracosane	336	C24H48	000297-03-0	94
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	89
4	Octacosanol	410	C28H58O	000557-61-9	89
5	Behenic alcohol	326	C22H46O	000661-19-8	89





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Instrument : BNA_M
ClientSampleId : C0007

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

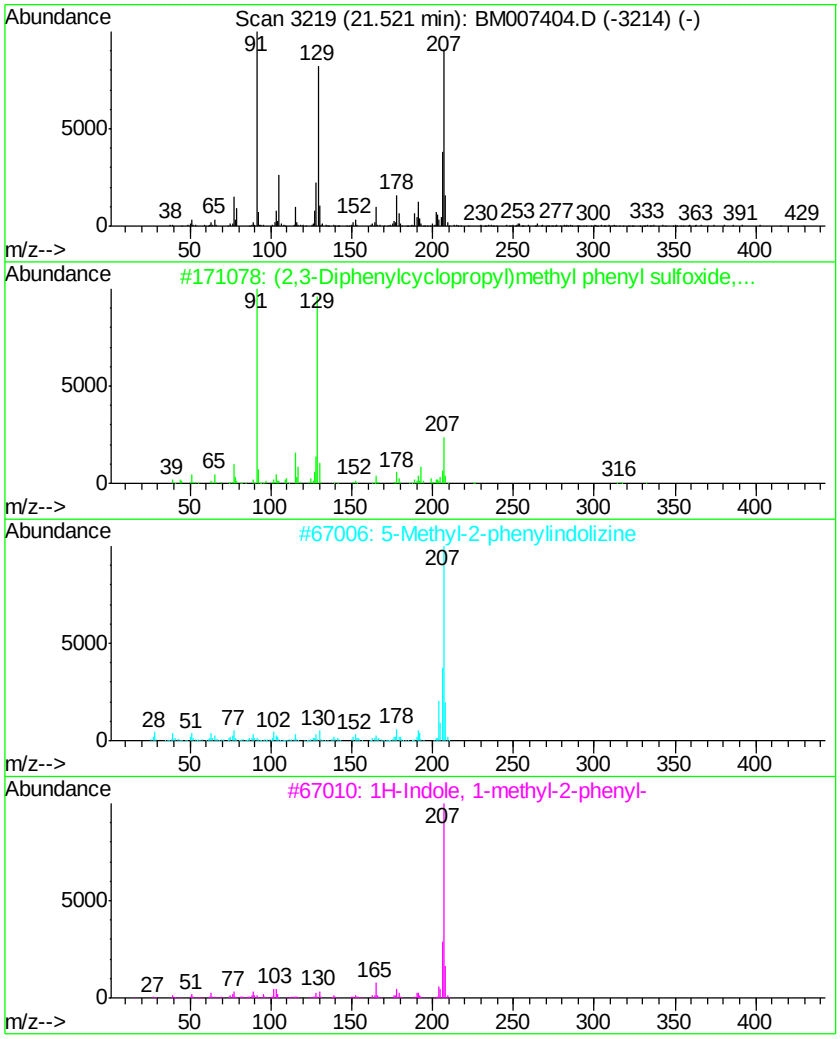
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

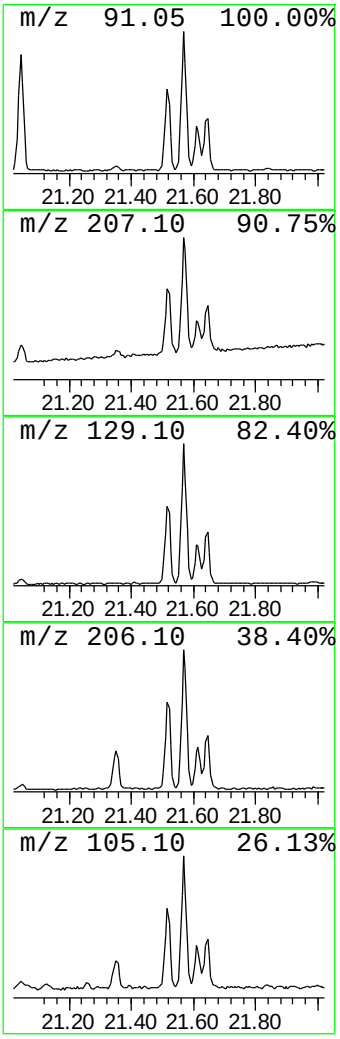
****

Peak Number 4 (2,3-Diphenylcyclopropyl)me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.52	2.19 ng/ul	789722	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(2,3-Diphenylcyclopropyl)methyl ...	332	C22H20OS	131758-71-9	72
2	5-Methyl-2-phenylindolizine	207	C15H13N	036944-99-7	53
3	1H-Indole, 1-methyl-2-phenyl-	207	C15H13N	003558-24-5	53
4	1H-Indole, 1-methyl-2-phenyl-	207	C15H13N	003558-24-5	53
5	1H-Indole, 2-methyl-3-phenyl-	207	C15H13N	004757-69-1	49





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Instrument : BNA_M
ClientSampleId : C0007

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

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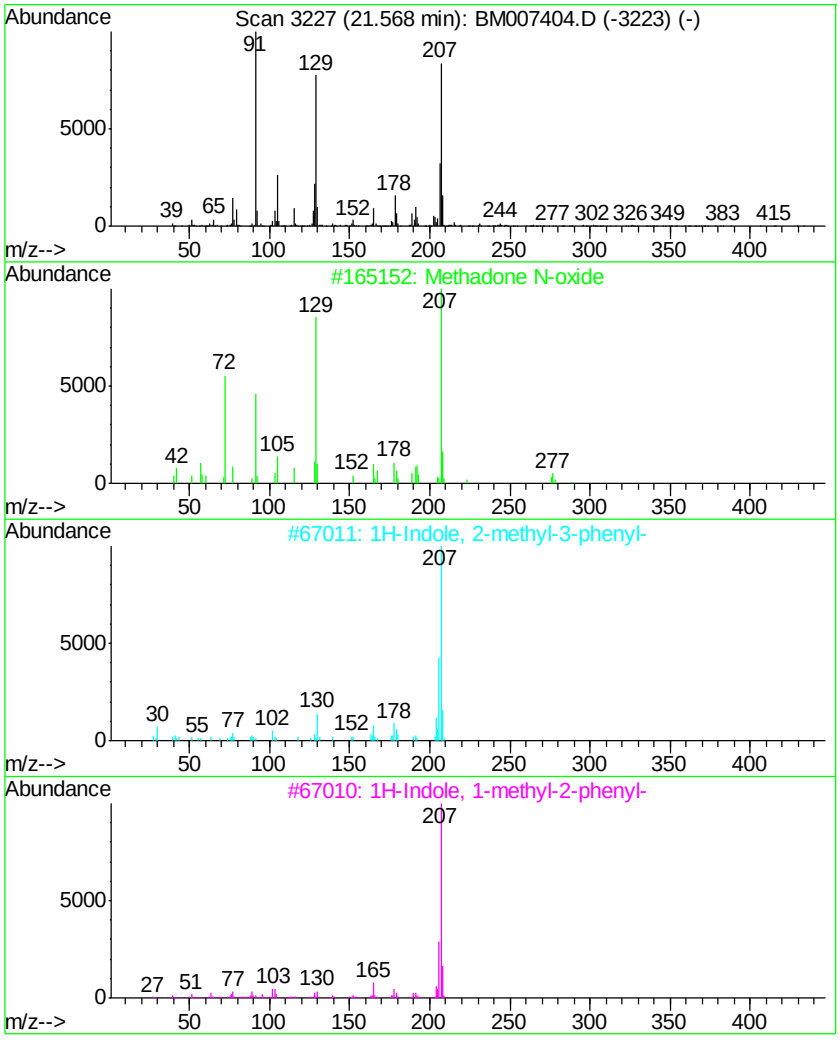
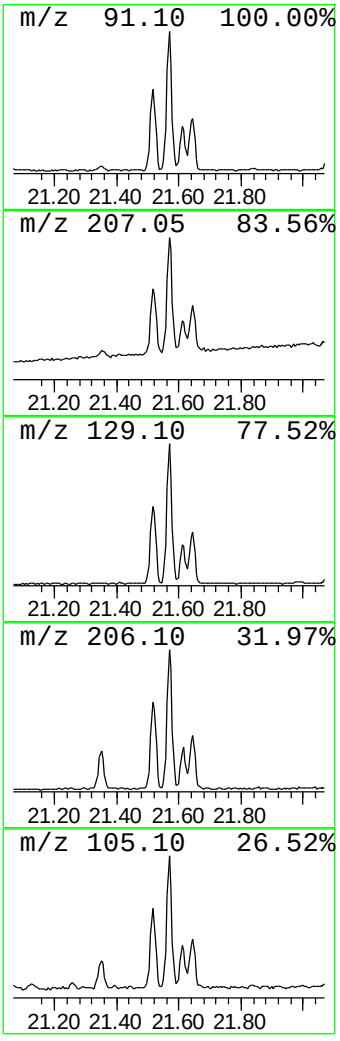
Peak Number 5 Methadone N-oxide Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.57	3.11 ng/ul	1122660	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methadone N-oxide	325	C21H27NO2	1000120-80-7	80
2	1H-Indole, 2-methyl-3-phenyl-	207	C15H13N	004757-69-1	46
3	1H-Indole, 1-methyl-2-phenyl-	207	C15H13N	003558-24-5	45
4	1-Propene, 3-(2-cyclopentenyl)-2...	274	C21H22	1000154-23-3	42
5	6-Methyl-5-[1-piperidinyl]-2,4-p...	207	C10H17N5	164589-37-1	38





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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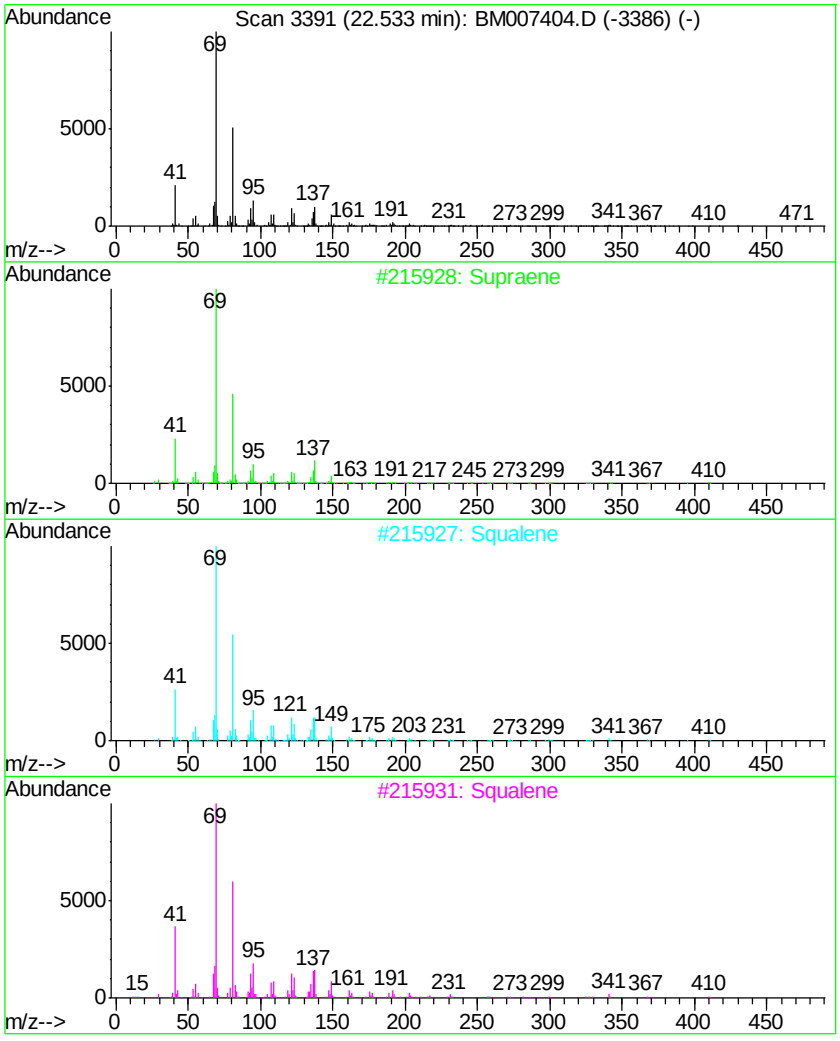
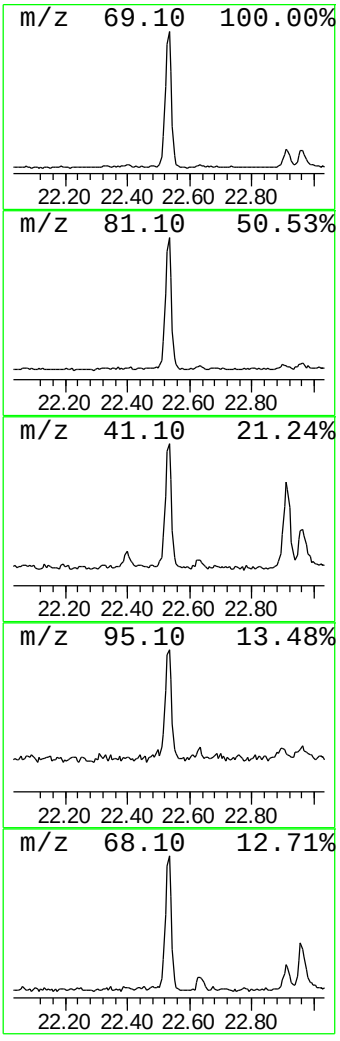
Peak Number 6 Supraene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.53	5.82 ng/ul	1451090	Perylene-d12	23.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Supraene	410	C30H50	007683-64-9	98
2	Squalene	410	C30H50	000111-02-4	95
3	Squalene	410	C30H50	000111-02-4	95
4	Squalene	410	C30H50	000111-02-4	95
5	Squalene	410	C30H50	000111-02-4	95





Library Search Compound Report

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Data File : BM007404.D
Acq On : 03 Sep 2016 13:10
Operator : UM/SJ
Sample : H4655-09
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0007

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

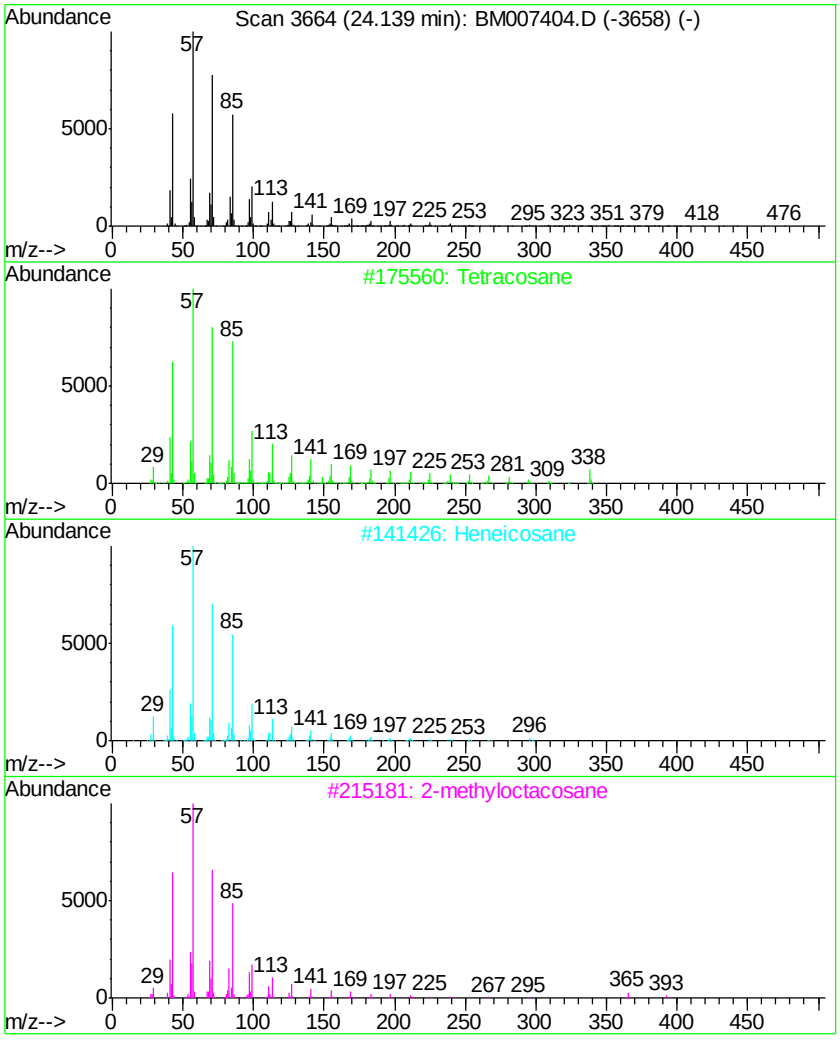
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

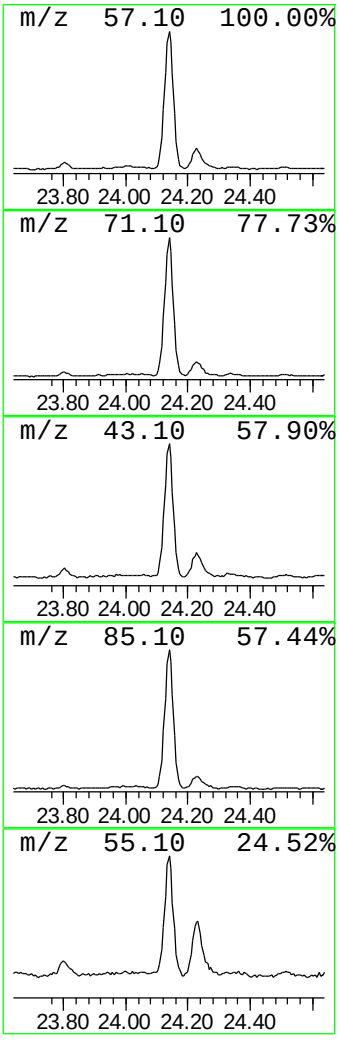
****

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.14	11.71 ng/ul	2917220	Perylene-d12	23.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	95
2	Heneicosane	296	C21H44	000629-94-7	91
3	2-methyloctacosane	408	C29H60	1000376-72-8	91
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
5	Heneicosane	296	C21H44	000629-94-7	91





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Instrument : BNA_M
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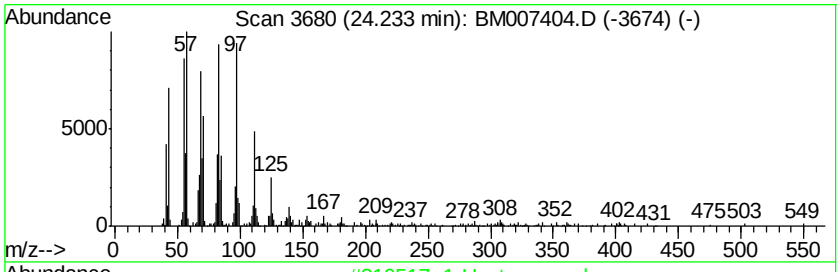
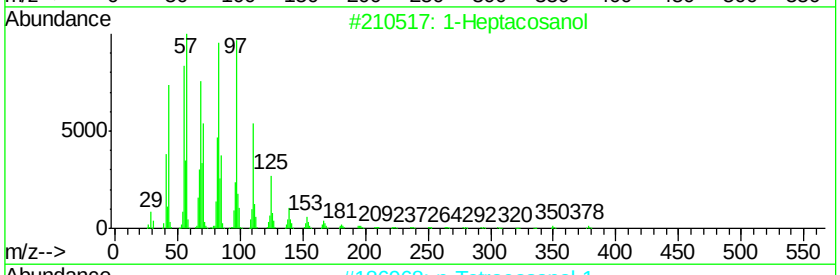
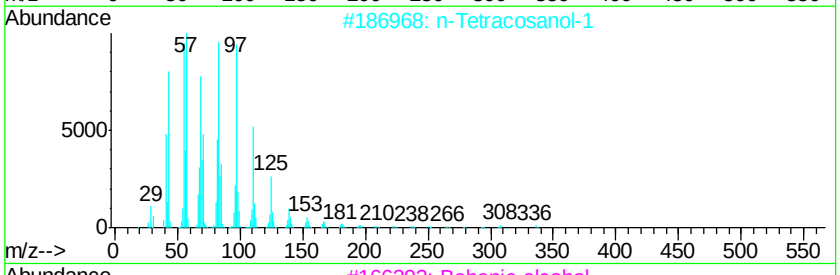
Peak Number 8 1-Heptacosanol Concentration Rank 8

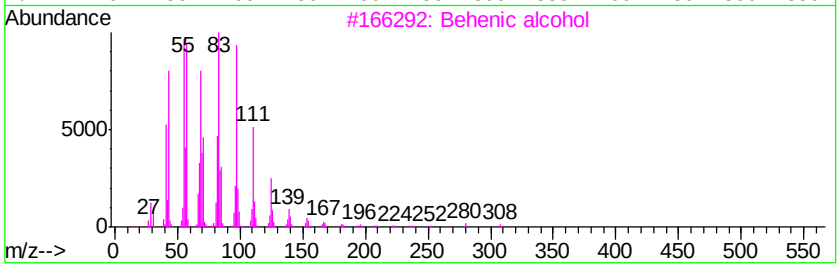
R.T.	EstConc	Area	Relative to ISTD	R.T.
24.23	3.59 ng/ul	894342	Perylene-d12	23.62

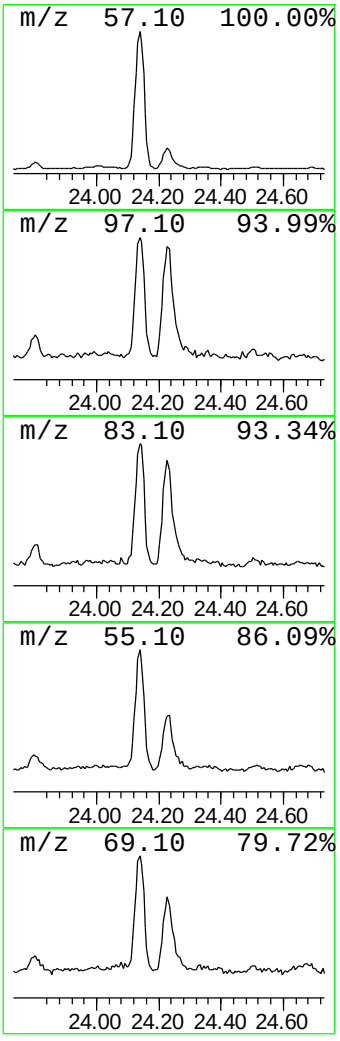
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptacosanol	396	C27H56O	002004-39-9	95
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
3	Behenic alcohol	326	C22H46O	000661-19-8	94
4	Octacosanol	410	C28H58O	000557-61-9	90
5	Cyclodocosane, ethyl-	336	C24H48	1000151-22-6	90











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Acq On : 03 Sep 2016 13:10
Operator : UM/SJ
Sample : H4655-09
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0007

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

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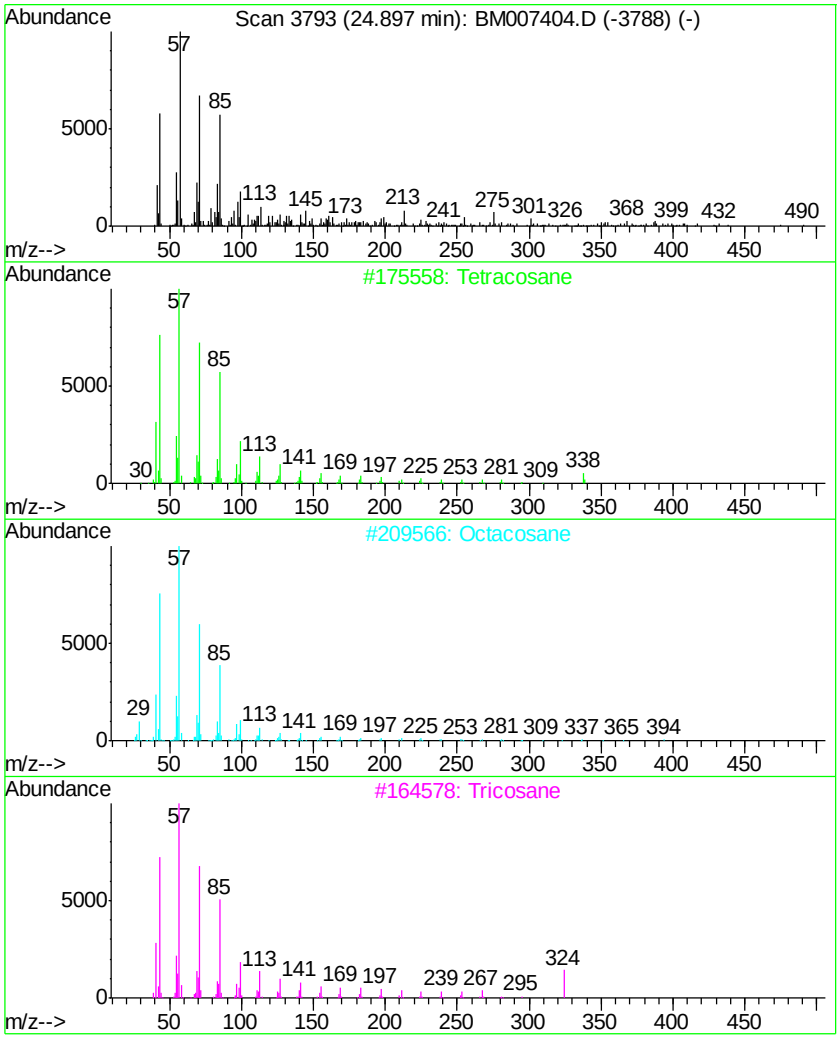
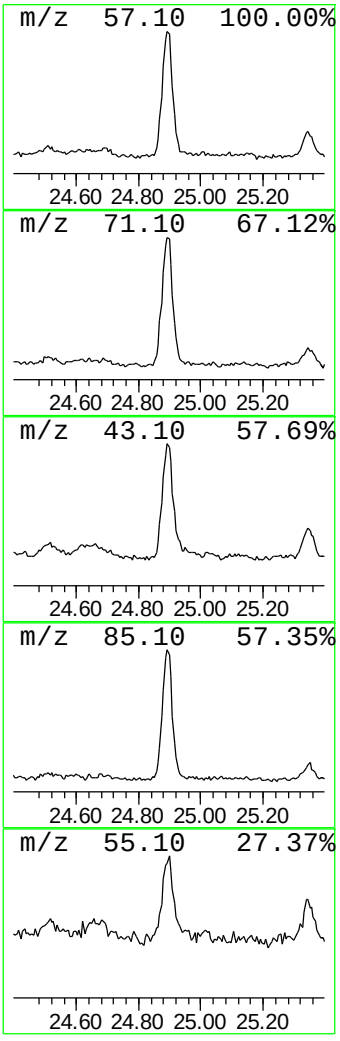
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.90	4.28 ng/ul	1066800	Perylene-d12	23.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	96
2	Octacosane	394	C28H58	000630-02-4	93
3	Tricosane	324	C23H48	000638-67-5	90
4	Pentacosane	352	C25H52	000629-99-2	83
5	Octacosane	394	C28H58	000630-02-4	83





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Sample : H4655-09
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0007

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

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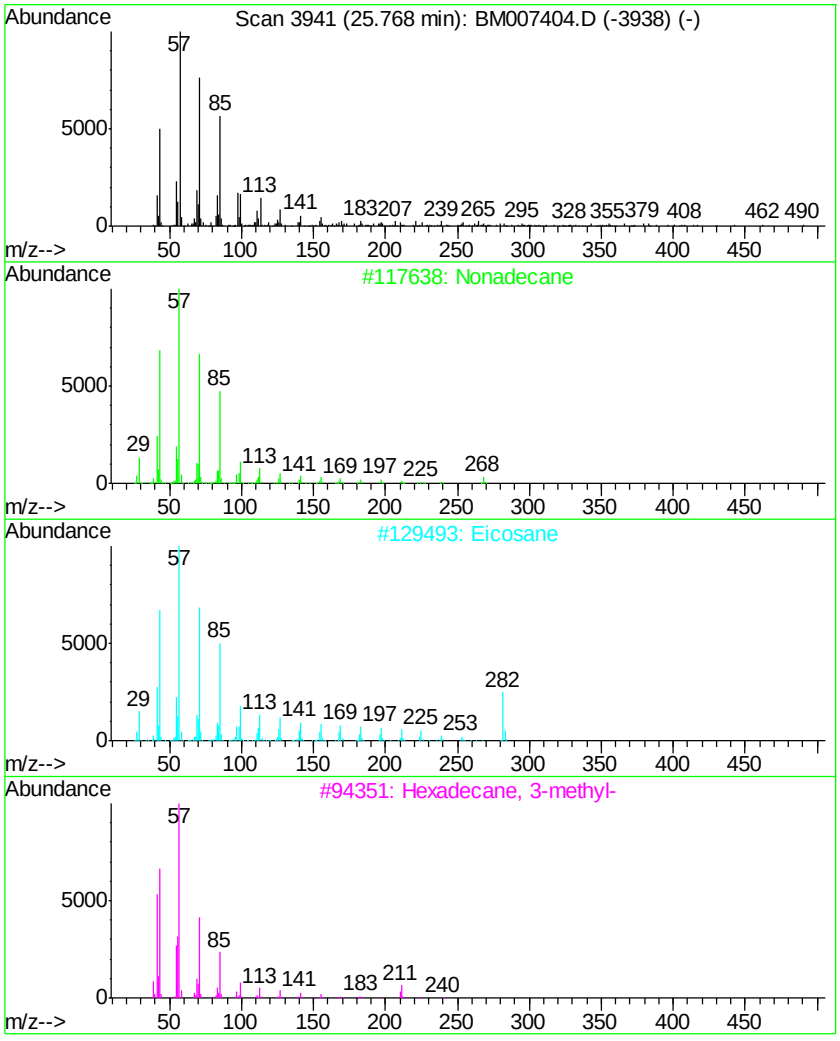
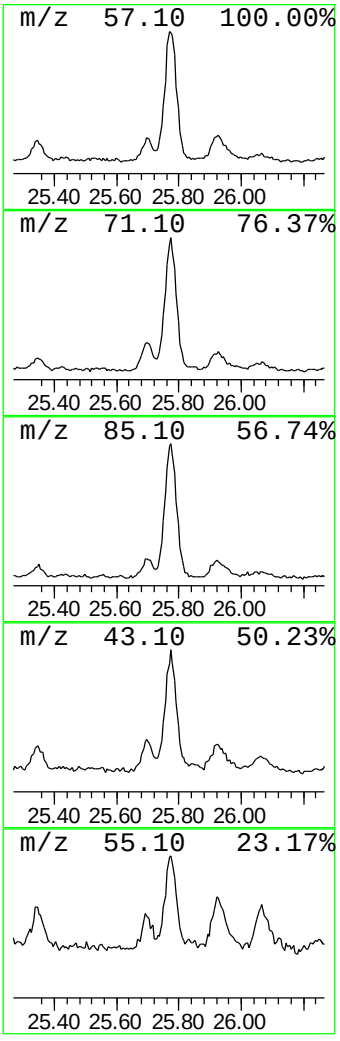
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.77	3.43 ng/ul	855249	Perylene-d12	23.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	91
2	Eicosane	282	C20H42	000112-95-8	91
3	Hexadecane, 3-methyl-	240	C17H36	006418-43-5	87
4	Hexacosane	366	C26H54	000630-01-3	87
5	Eicosane	282	C20H42	000112-95-8	87





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Data File : BM007404.D
Acq On : 03 Sep 2016 13:10
Operator : UM/SJ
Sample : H4655-09
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0007

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

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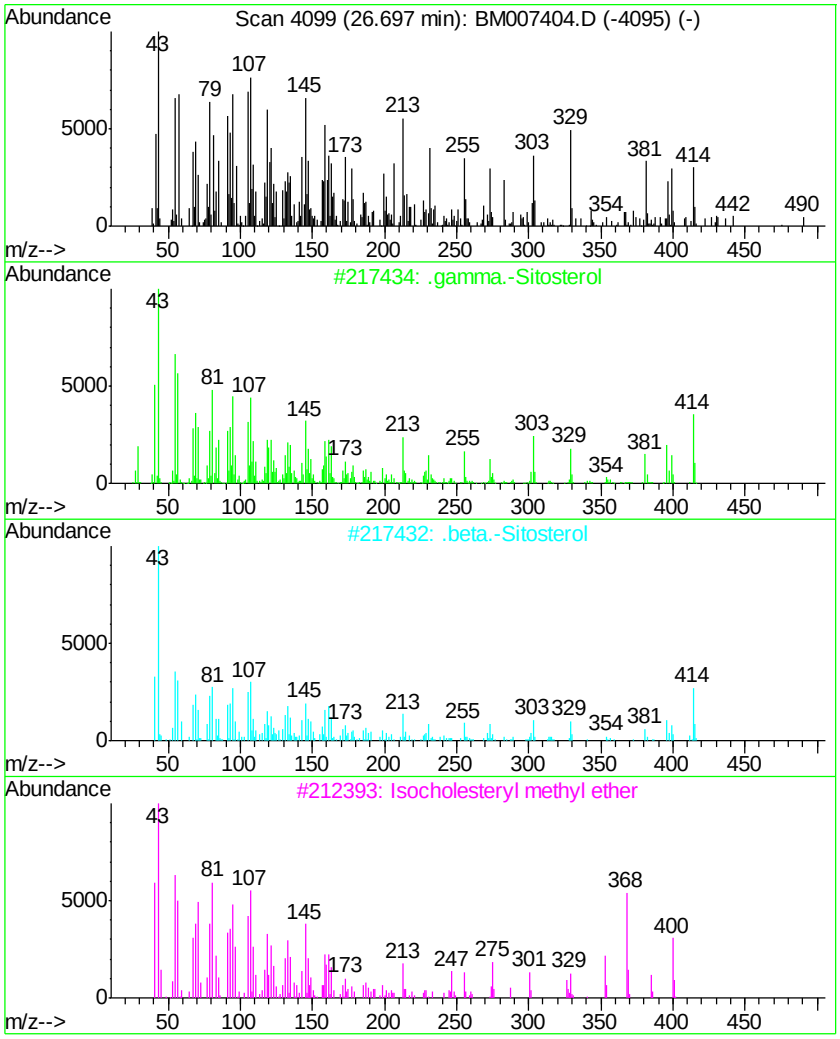
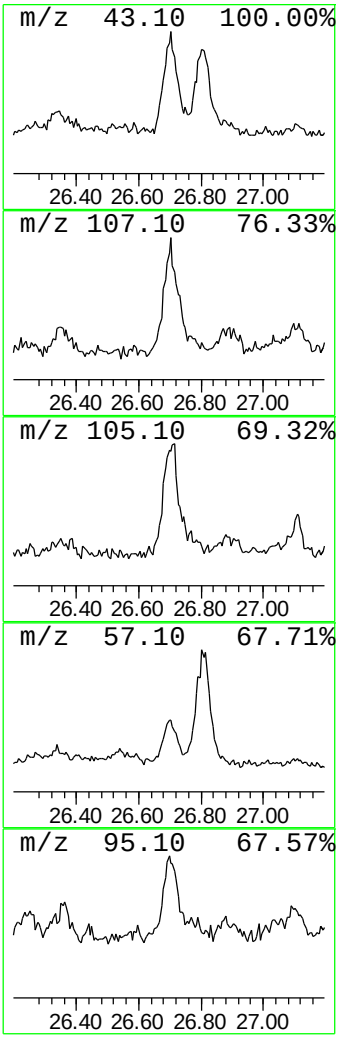
Peak Number 11 .gamma.-Sitosterol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.70	3.69 ng/ul	918363	Perylene-d12	23.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	64
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	55
3	Isocholesteryl methyl ether	400	C28H48O	029944-53-4	37
4	.beta.-Sitosterol acetate	456	C31H52O2	000915-05-9	28
5	.beta.-Sitosterol	414	C29H50O	000083-46-5	25





Tentatively Identified Compound (LSC) summary

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Data File : BM007404.D
Acq On : 03 Sep 2016 13:10
Operator : UM/SJ
Sample : H4655-09
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0007

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Diethyltoluamide	15.17	6.5	ng/ul	1104710	3	14.43	3400300	20.0
n-Hexadecanoic acid	18.06	4.9	ng/ul	1053210	4	17.17	4316390	20.0
(DEL) Alkane: Cyc...	21.05	5.1	ng/ul	1829210	5	21.35	7216880	20.0
(2,3-Diphenylcycl...	21.52	2.2	ng/ul	789722	5	21.35	7216880	20.0
Methadone N-oxide	21.57	3.1	ng/ul	1122660	5	21.35	7216880	20.0
Supraene	22.53	5.8	ng/ul	1451090	6	23.62	4982970	20.0
(DEL) Alkane: Str...	24.14	11.7	ng/ul	2917220	6	23.62	4982970	20.0
1-Heptacosanol	24.23	3.6	ng/ul	894342	6	23.62	4982970	20.0
(DEL) Alkane: Str...	24.90	4.3	ng/ul	1066800	6	23.62	4982970	20.0
(DEL) Alkane: Str...	25.77	3.4	ng/ul	855249	6	23.62	4982970	20.0
.gamma.-Sitosterol	26.70	3.7	ng/ul	918363	6	23.62	4982970	20.0