LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051116\
Data File : BM005405.D
Acq On : 12 May 2016 02:09
Operator : UM/SJ
Sample : H2846-02
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC8

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-BM050516.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	717	727	737	rBV2	151765	324840	1.10%	0.529%
2	7.093	743	749	756	rBV	209135	324201	1.10%	0.528%
3	7.293	778	783	793	rBV	218950	362206	1.23%	0.590%
4	7.757	858	862	870	rVB	250274	405489	1.38%	0.661%
5	8.916	1052	1059	1067	rBV	273908	444921	1.51%	0.725%
6	9.634	1174	1181	1192	rVB	238832	399018	1.35%	0.650%
7	9.898	1210	1226	1231	rBV	102598	351830	1.19%	0.573%
8	10.175	1266	1273	1287	rBV	328907	566087	1.92%	0.922%
9	10.545	1330	1336	1346	rVB	385516	650549	2.21%	1.060%
10	13.810	1885	1891	1896	rBV	625121	895569	3.04%	1.459%
11	14.092	1933	1939	1947	rVB	713873	1055589	3.58%	1.719%
12	14.404	1986	1992	2004	rVV2	887932	1481899	5.03%	2.414%
13	14.833	2060	2065	2076	rBV	232712	353152	1.20%	0.575%
14	15.398	2154	2161	2171	rVB	865090	1271893	4.31%	2.072%
15	15.492	2172	2177	2180	rVV	335012	459999	1.56%	0.749%
16	15.527	2180	2183	2195	rVB	242963	349106	1.18%	0.569%
17	16.592	2353	2364	2397	rBV	1903983	4801186	16.29%	7.821%
18	17.151	2453	2459	2467	rVB	574070	809933	2.75%	1.319%
19	17.251	2469	2476	2485	rVV	807204	1218673	4.13%	1.985%
20	18.151	2591	2629	2666	rBV	5306294	29478546	100.00%	48.018%
21	19.192	2800	2806	2807	rBV	278969	399238	1.35%	0.650%
22	19.268	2811	2819	2828	rVV	1983516	5160928	17.51%	8.407%
23	19.351	2828	2833	2852	rVB	1848248	3375612	11.45%	5.499%
24	19.551	2862	2867	2873	rVB	842021	1201117	4.07%	1.957%
25	20.327	2995	2999	3006	rBV	169488	299336	1.02%	0.488%
26	20.433	3010	3017	3037	rVB2	696041	1540792	5.23%	2.510%
27	21.345	3167	3172	3181	rBV	633551	934649	3.17%	1.522%
28	23.462	3526	3532	3543	rVB2	571467	1076632	3.65%	1.754%
29	23.609	3550	3557	3565	rVB2	392515	781085	2.65%	1.272%
30	26.668	4069	4077	4089	rBV4	200260	615959	2.09%	1.003%

Sum of corrected areas: 61390034

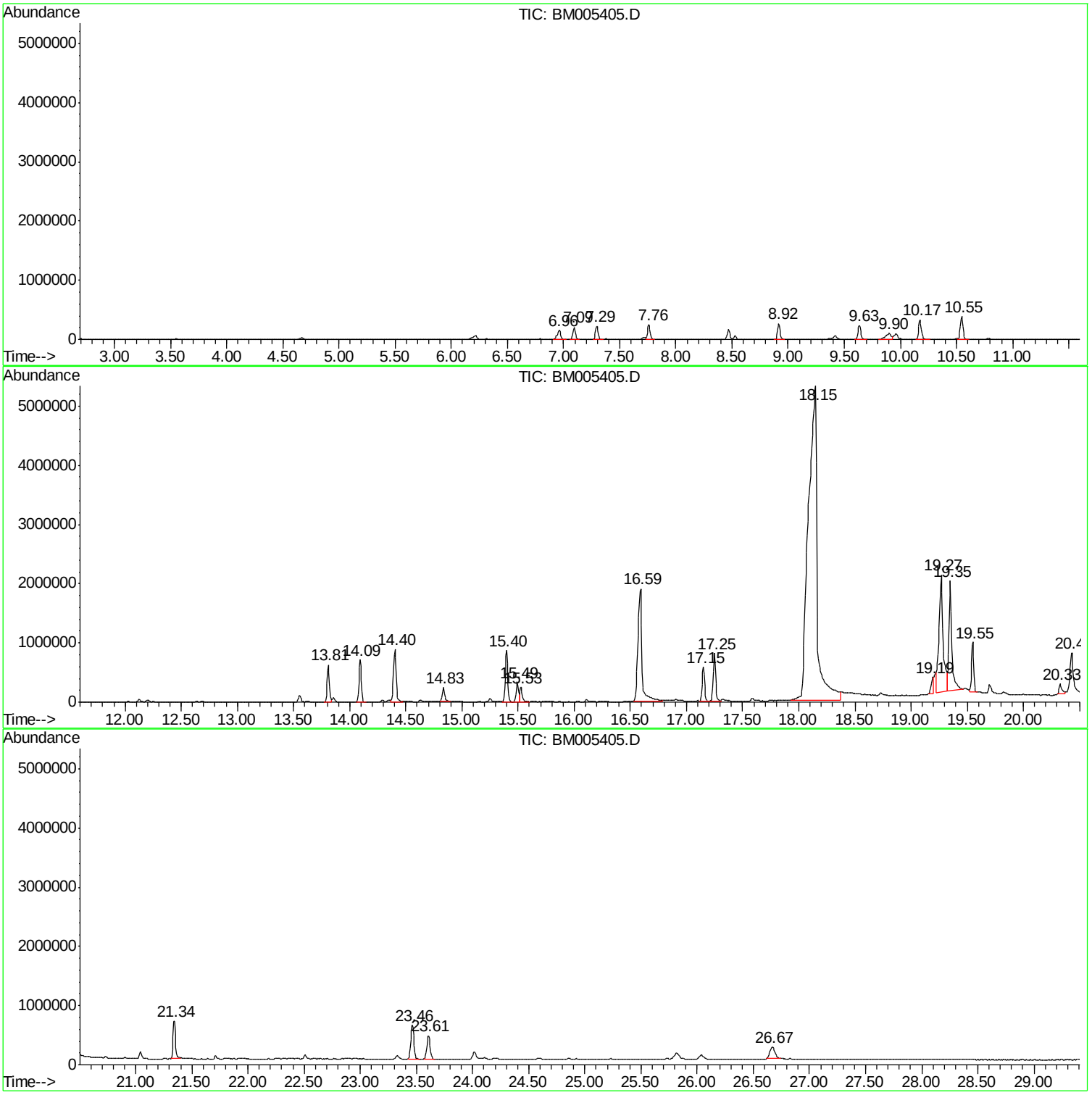
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051116\
Data File : BM005405.D
Acq On : 12 May 2016 02:09
Operator : UM/SJ
Sample : H2846-02
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

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Quant Title : SVOA CALIBRATION

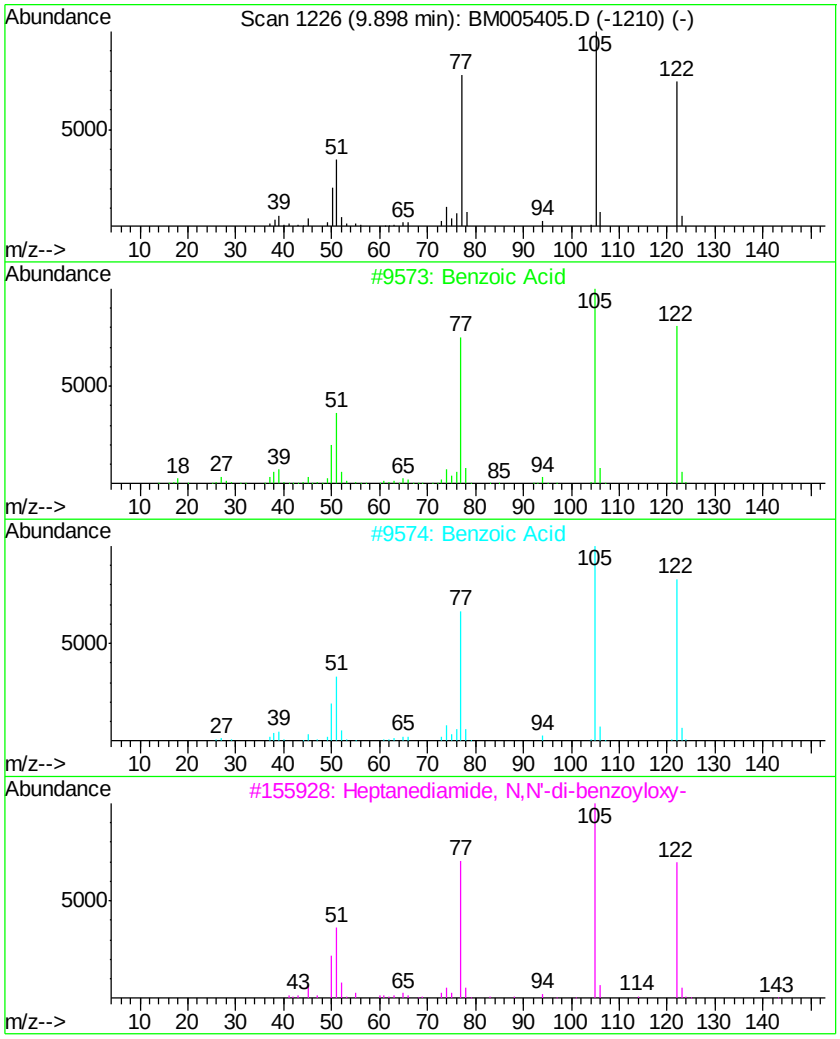
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

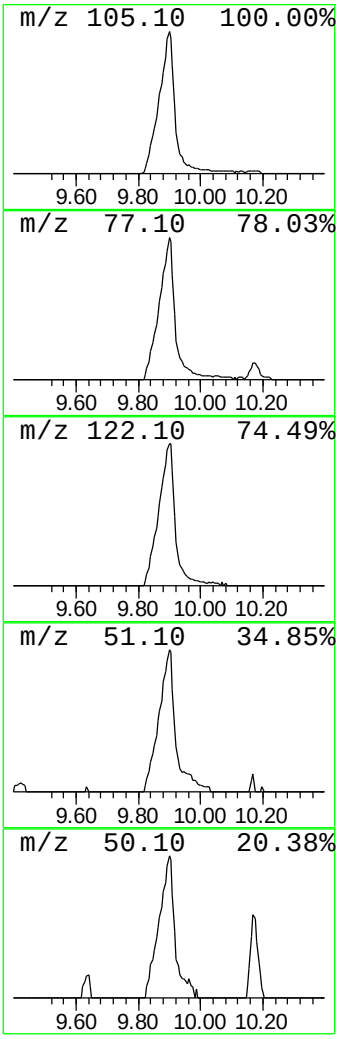
****

Peak Number 1 Benzoic Acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	10.82 ng/ul	351830	Naphthalene-d8	10.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic Acid	122	C7H6O2	000065-85-0	97
2	Benzoic Acid	122	C7H6O2	000065-85-0	97
3	Heptanediamide, N,N'-di-benzoyloxy-	398	C21H22N2O6	1000253-26-4	90
4	(+)-Dibenzoyl-L-tartaric acid an...	340	C18H12O7	064339-95-3	86
5	Cyclobutane-1,1-dicarboxamide, N...	382	C20H18N2O6	1000253-25-3	83





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Instrument : BNA_M
ClientSampleId : C0AC8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

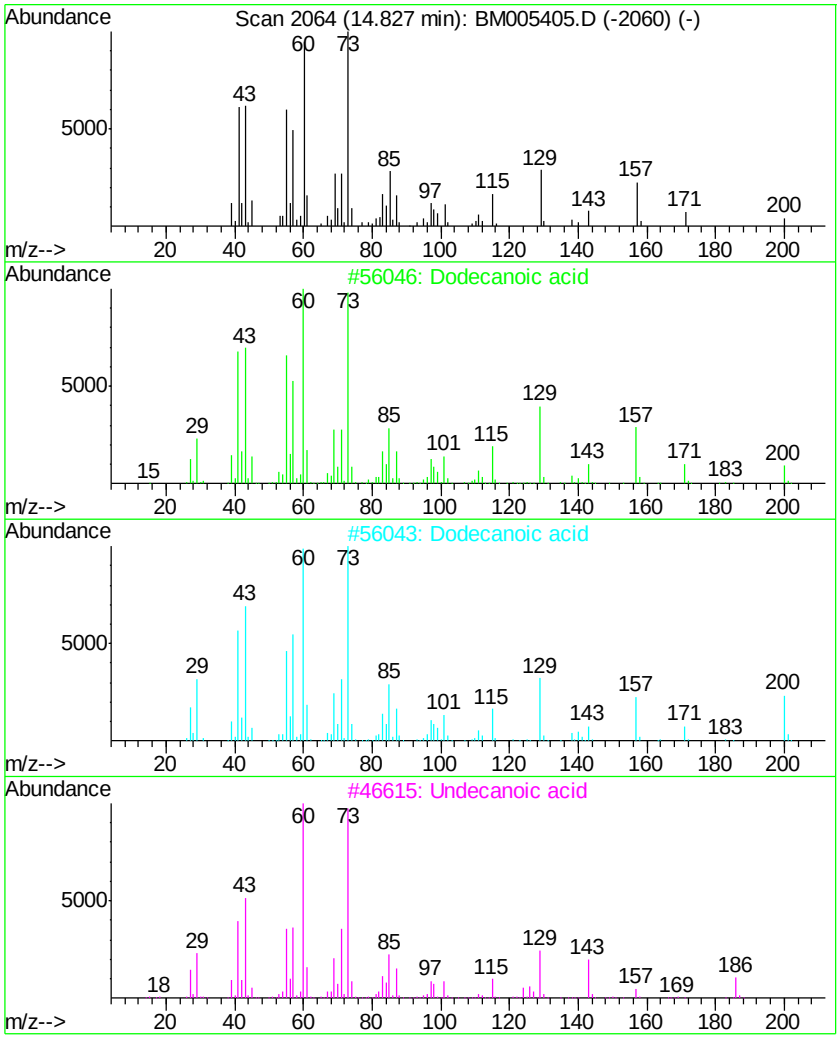
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

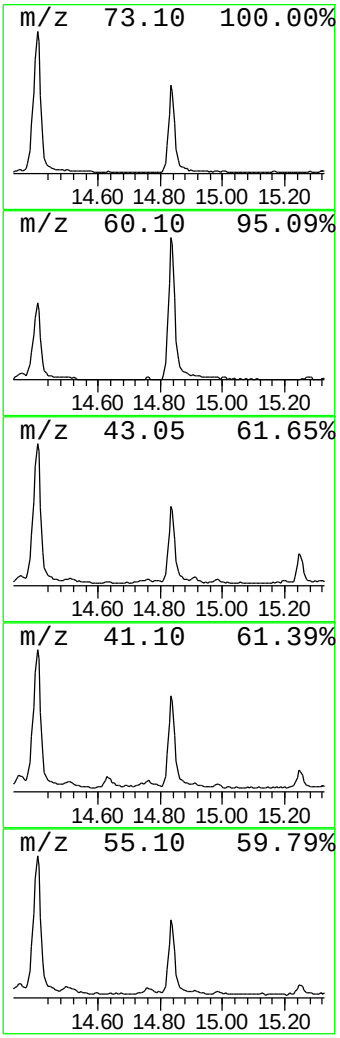
****

Peak Number 2 Dodecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	4.77 ng/ul	353152	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecanoic acid	200	C12H24O2	000143-07-7	97
2	Dodecanoic acid	200	C12H24O2	000143-07-7	91
3	Undecanoic acid	186	C11H22O2	000112-37-8	72
4	n-Decanoic acid	172	C10H20O2	000334-48-5	47
5	Nonanoic acid	158	C9H18O2	000112-05-0	46





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Instrument : BNA_M
ClientSampleId : C0AC8

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TIC Library : C:\DATABASE\NIST02.L
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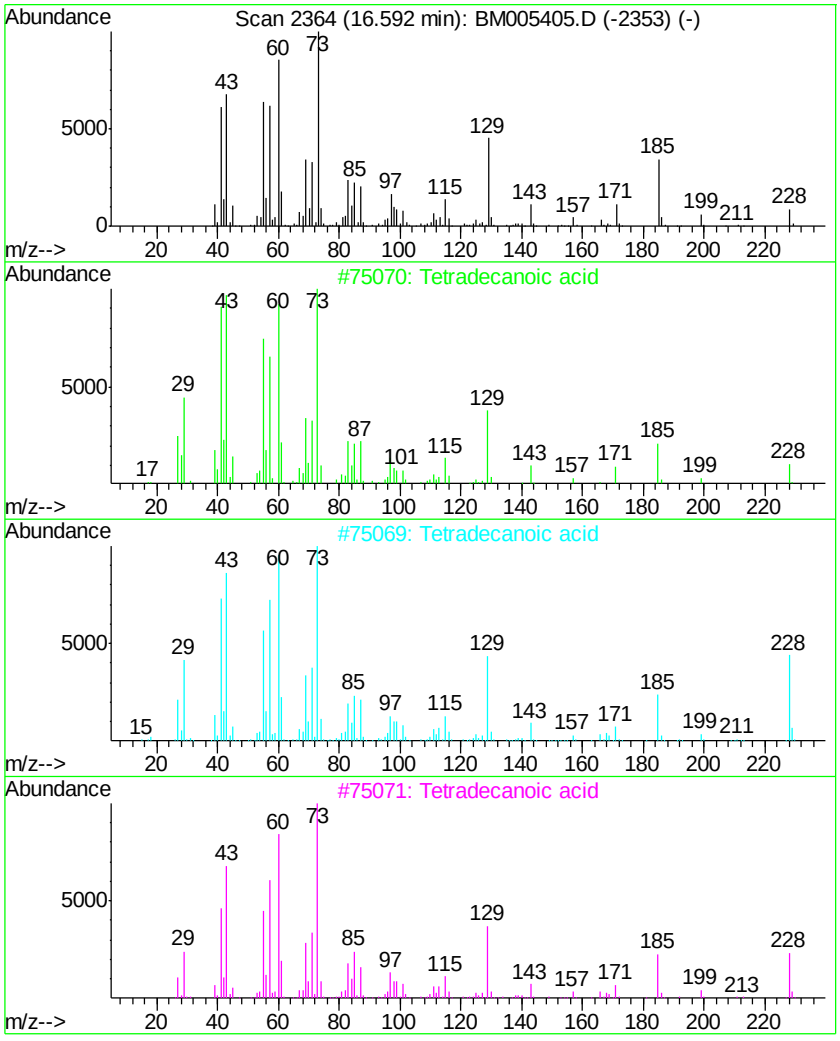
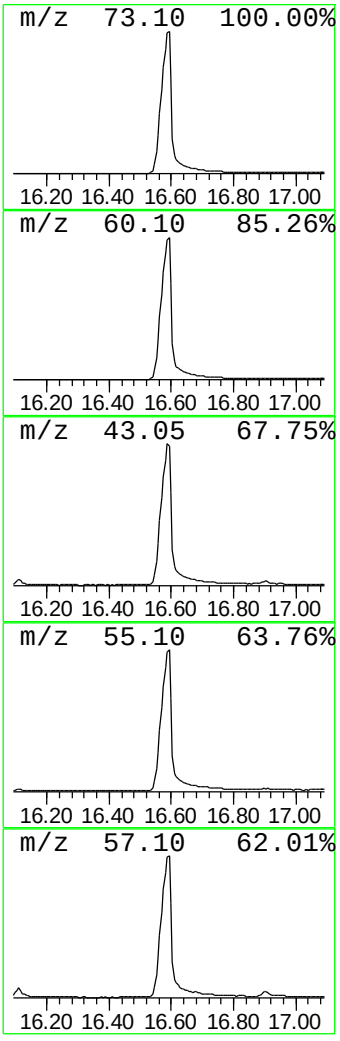
****

Peak Number 3 Tetradecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.59	118.56 ng/ul	4801190	Phenanthrene-d10	17.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanoic acid	228	C14H28O2	000544-63-8	98
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	94
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4	Undecanoic acid	186	C11H22O2	000112-37-8	64
5	Tridecanoic acid	214	C13H26O2	000638-53-9	64





Library Search Compound Report

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Operator : UM/SJ
Sample : H2846-02
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

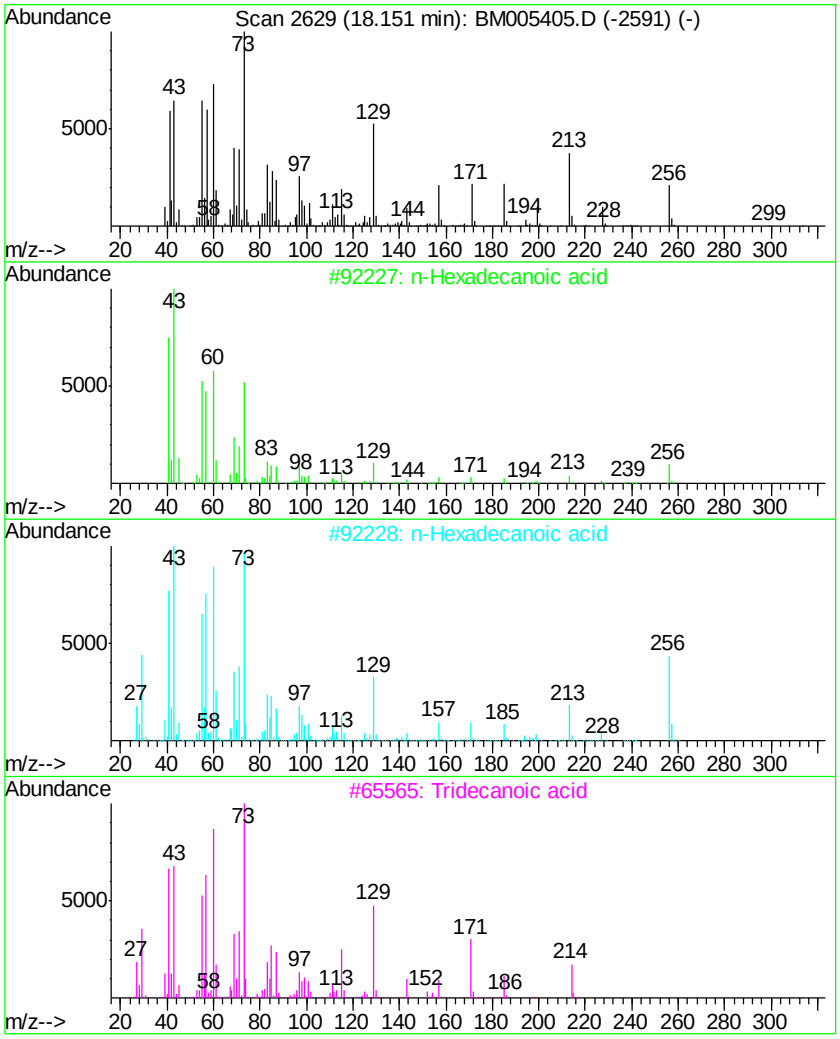
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

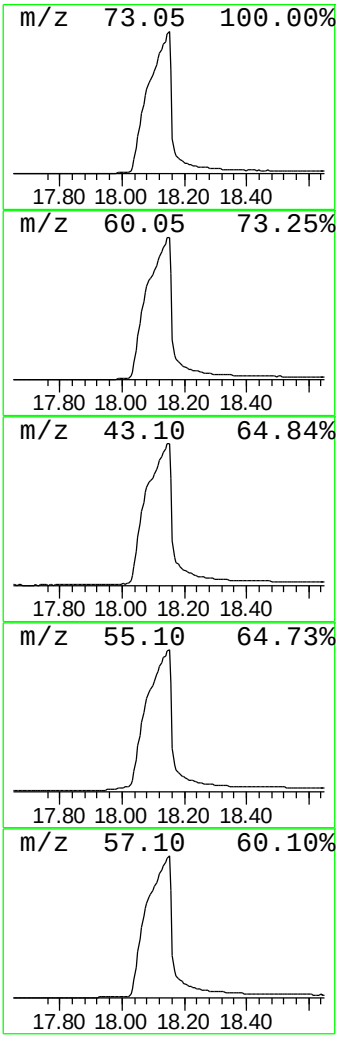
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	727.93 ng/ul	29478500	Phenanthrene-d10	17.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
3	Tridecanoic acid	214	C13H26O2	000638-53-9	93
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	86
5	Tridecanoic acid	214	C13H26O2	000638-53-9	83





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Operator : UM/SJ
Sample : H2846-02
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
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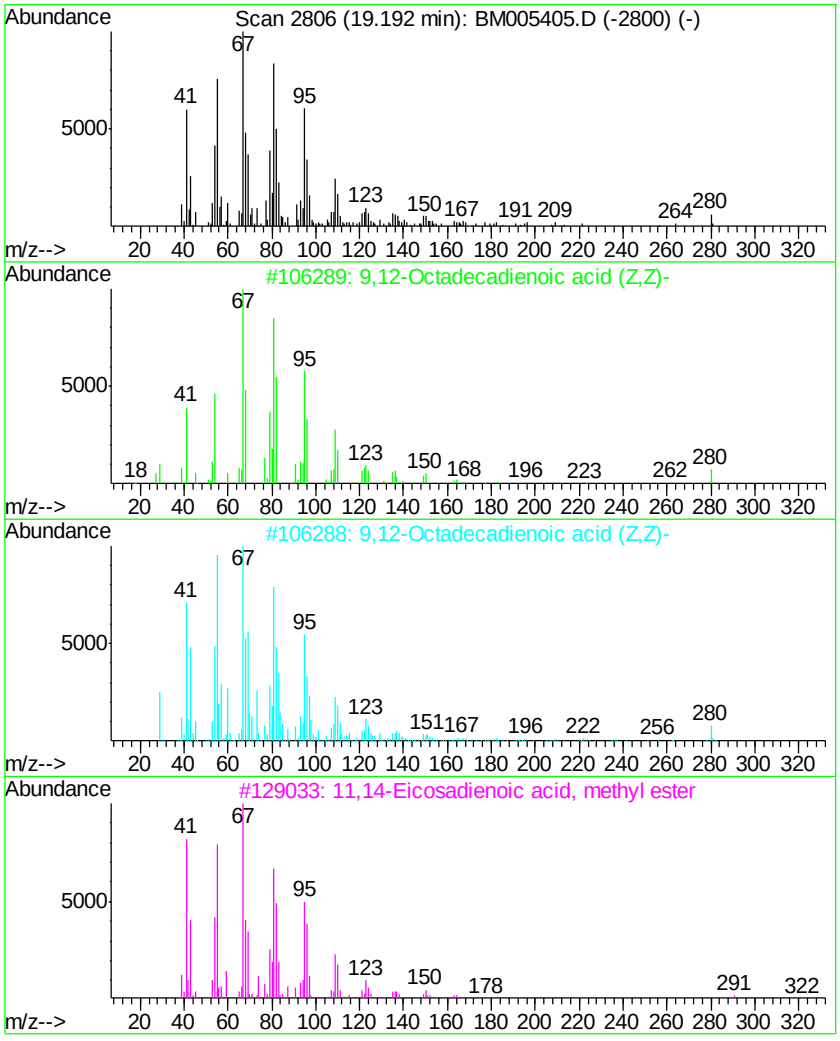
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

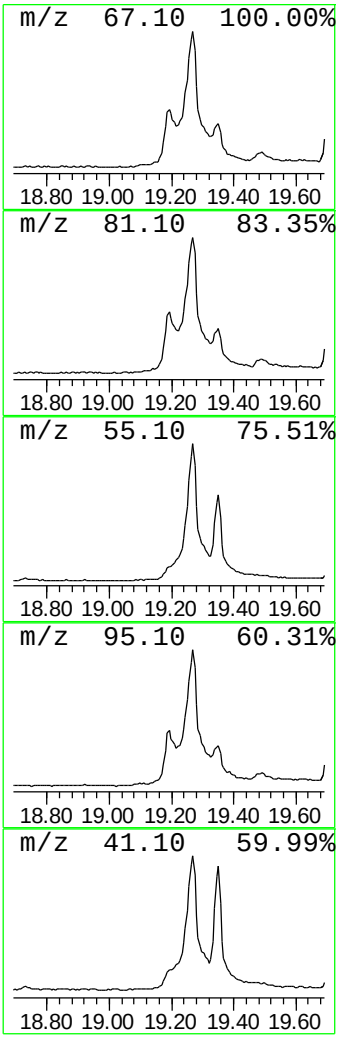
****

Peak Number 5 9,12-Octadecadienoic acid (... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.19	9.86 ng/ul	399238	Phenanthrene-d10	17.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid (Z,Z)-	280	C18H32O2	000060-33-3	99
2	9,12-Octadecadienoic acid (Z,Z)-	280	C18H32O2	000060-33-3	93
3	11,14-Eicosadienoic acid, methyl...	322	C21H38O2	002463-02-7	89
4	Cycloundecene, 1-methyl-	166	C12H22	088828-82-4	86
5	Bicyclo[2.2.2]octane, 2-methyl-	124	C9H16	000766-53-0	83





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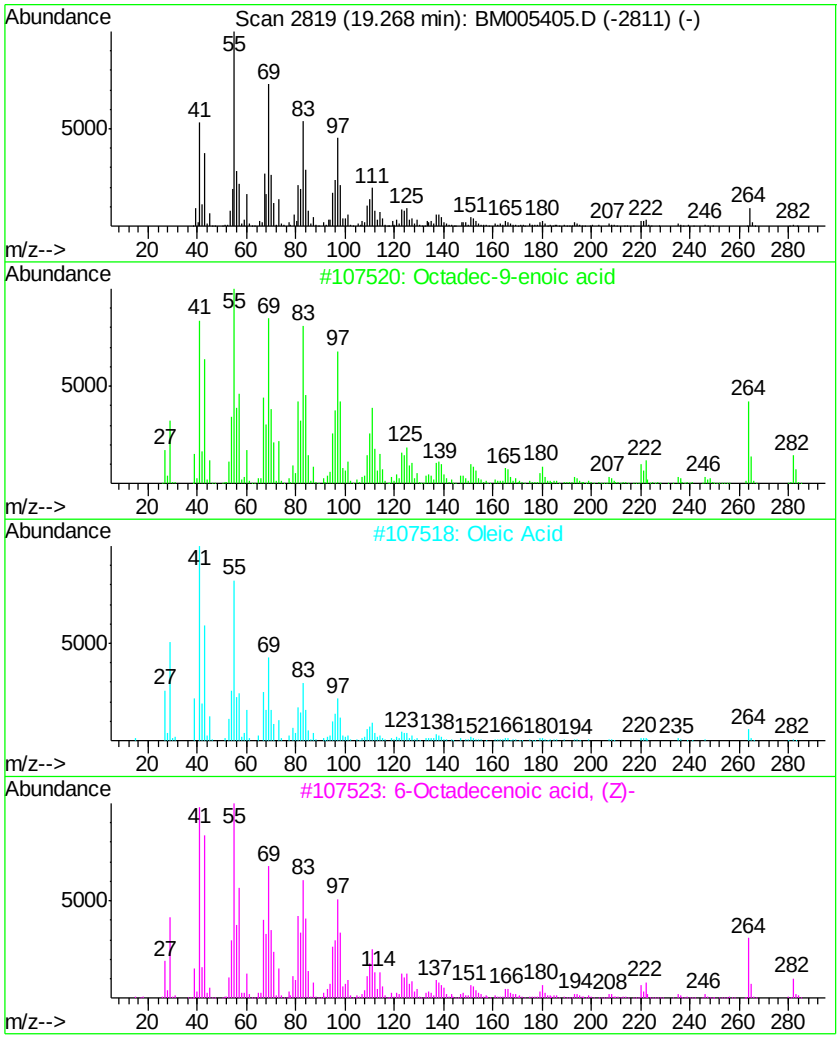
TIC Integration Parameters: LSCINT.P

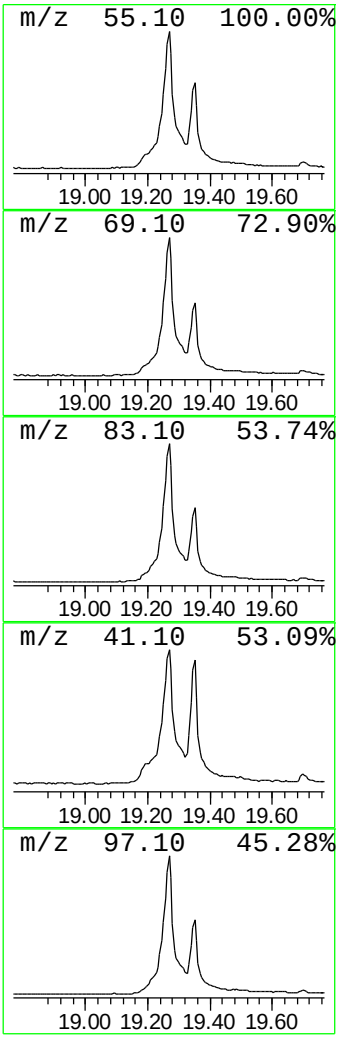
****

Peak Number 6 Octadec-9-enoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.27	110.44 ng/ul	5160930	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadec-9-enoic acid	282	C18H34O2	1000190-13-7	99
2	Oleic Acid	282	C18H34O2	000112-80-1	98
3	6-Octadecenoic acid, (Z)-	282	C18H34O2	000593-39-5	95
4	Oleic Acid	282	C18H34O2	000112-80-1	91
5	9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	64





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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

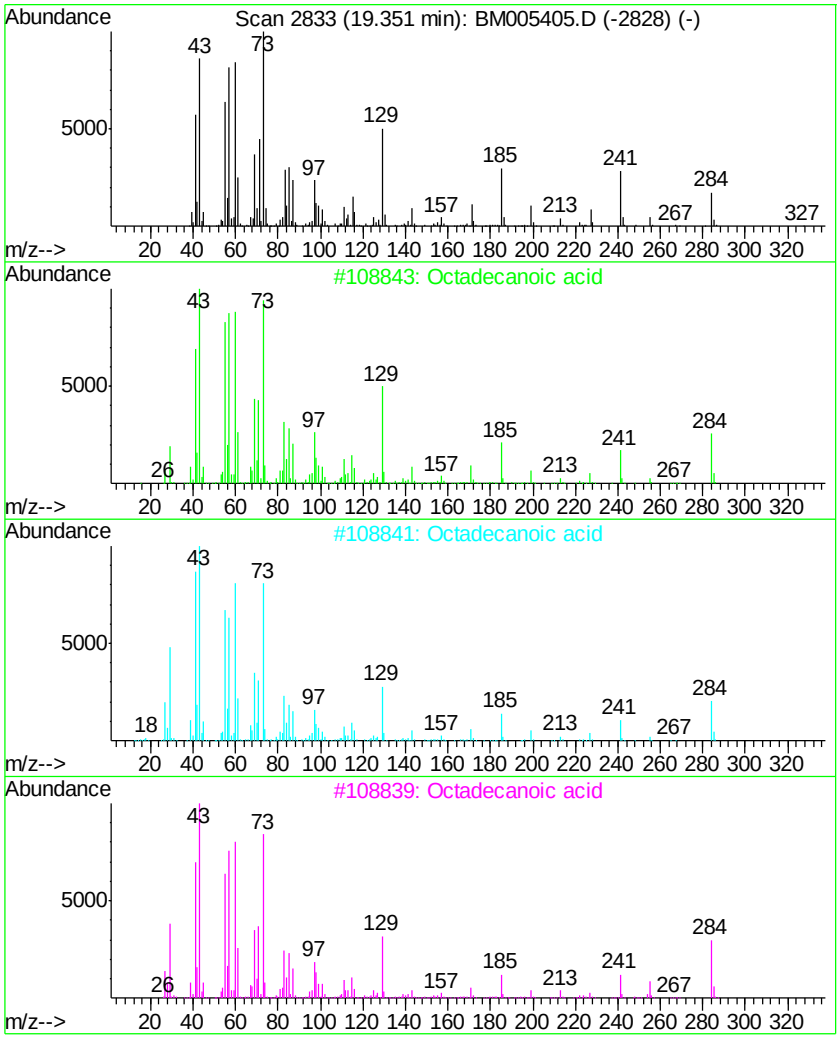
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

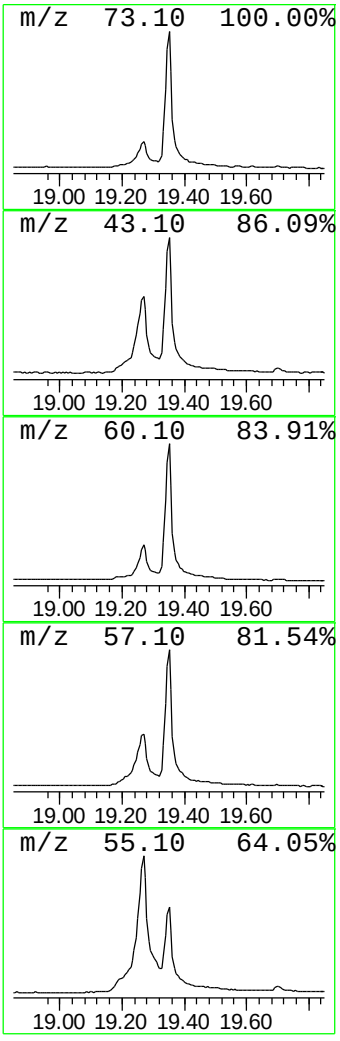
****

Peak Number 7 Octadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.35	72.23 ng/ul	3375610	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	98
3	Octadecanoic acid	284	C18H36O2	000057-11-4	93
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	89
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	87





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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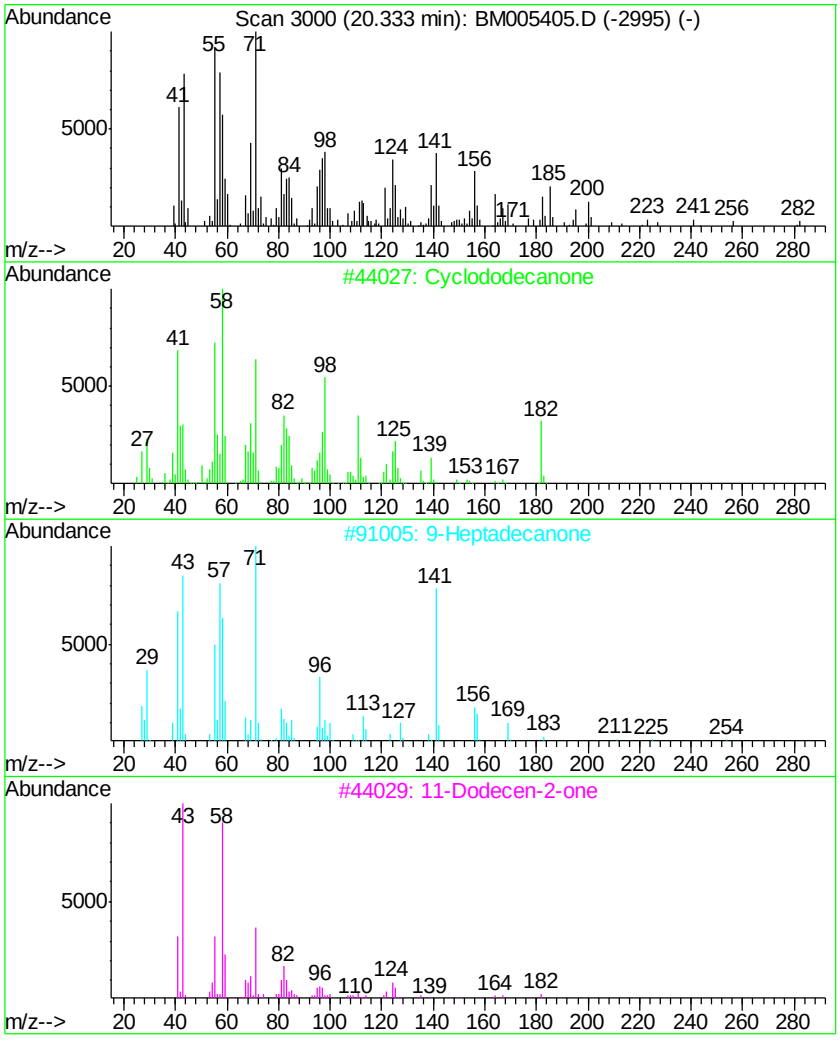
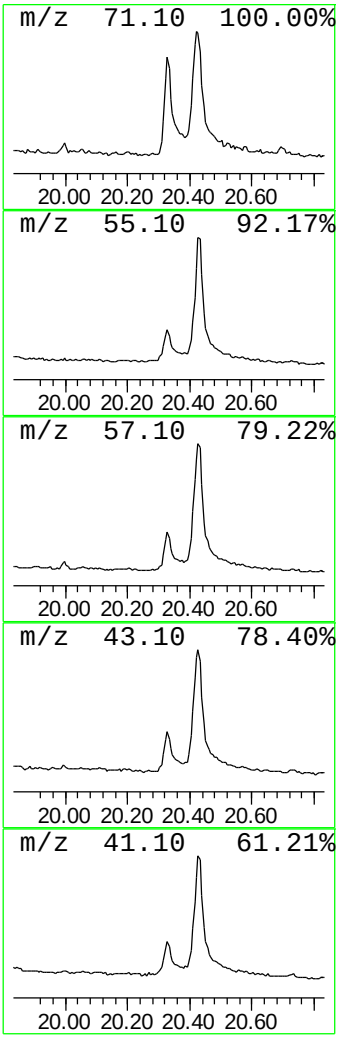
****

Peak Number 8 unknown-01 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.33	6.41 ng/ul	299336	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclododecanone	182	C12H22O	000830-13-7	46
2	9-Heptadecanone	254	C17H34O	000540-08-9	41
3	11-Dodecen-2-one	182	C12H22O	005009-33-6	38
4	9-Heptadecanone	254	C17H34O	000540-08-9	22
5	9-Decen-2-one	154	C10H18O	035194-30-0	22





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Quant Title : SVOA CALIBRATION

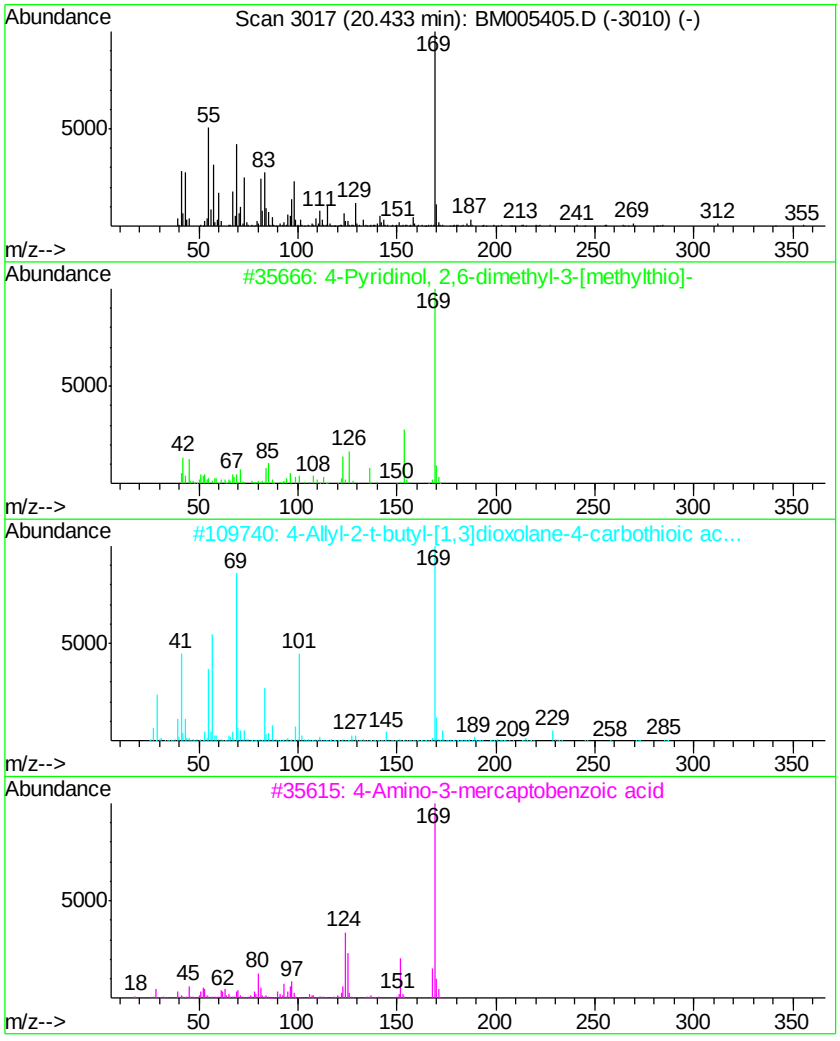
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

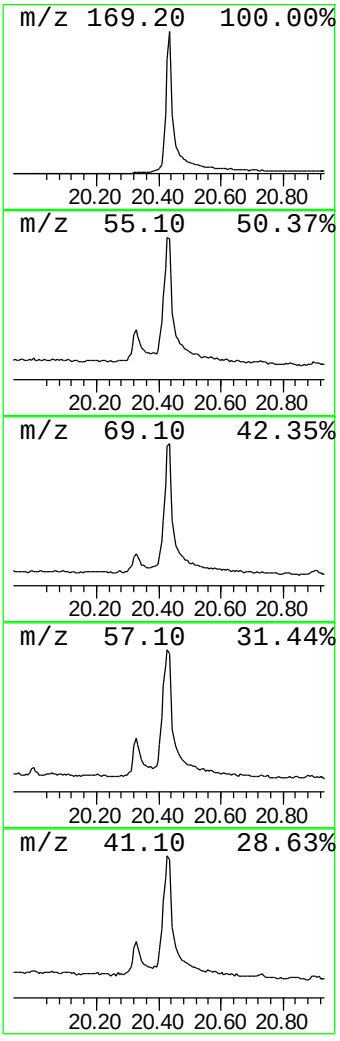
****

Peak Number 9 unknown-02 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.43	32.97 ng/ul	1540790	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Pyridinol, 2,6-dimethyl-3-[met...	169	C8H11NOS	1000251-72-8	43
2	4-Allyl-2-t-butyl-[1,3]dioxolane...	286	C15H26O3S	098041-27-1	43
3	4-Amino-3-mercaptobenzoic acid	169	C7H7NO2S	014543-45-4	38
4	[1,1'-Biphenyl]-4-amine	169	C12H11N	000092-67-1	35
5	Phenol, 4-methoxy-2-nitro-	169	C7H7NO4	001568-70-3	35





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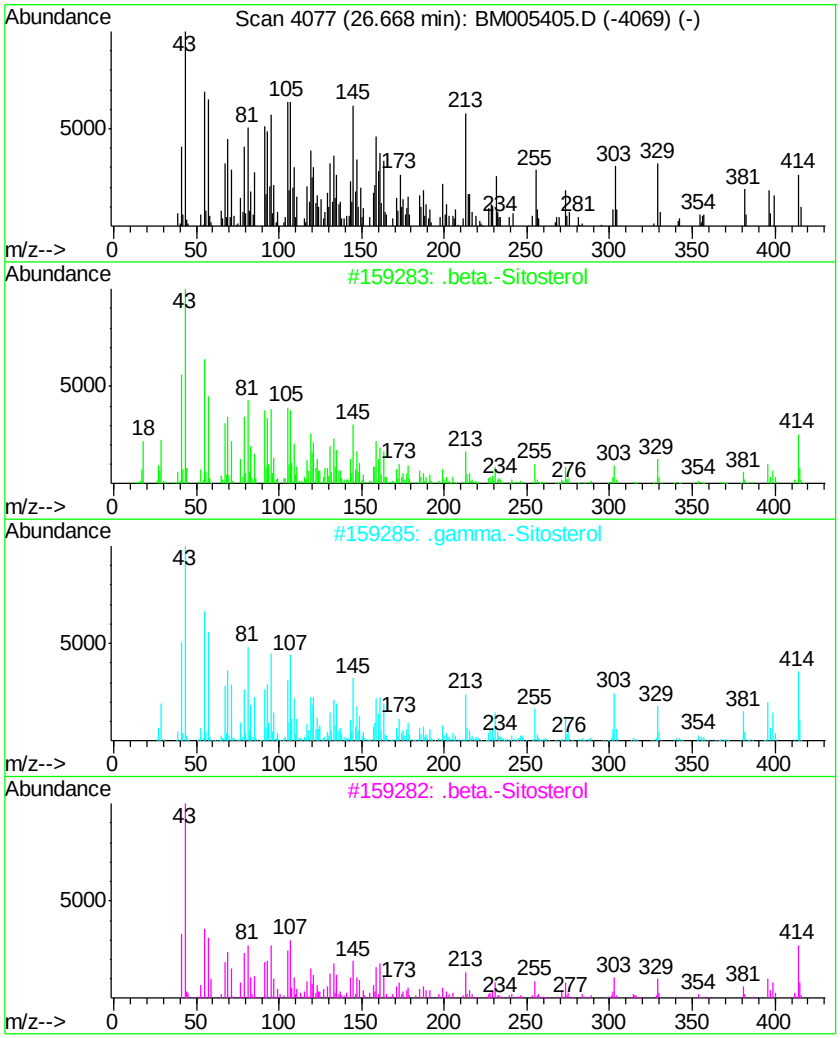
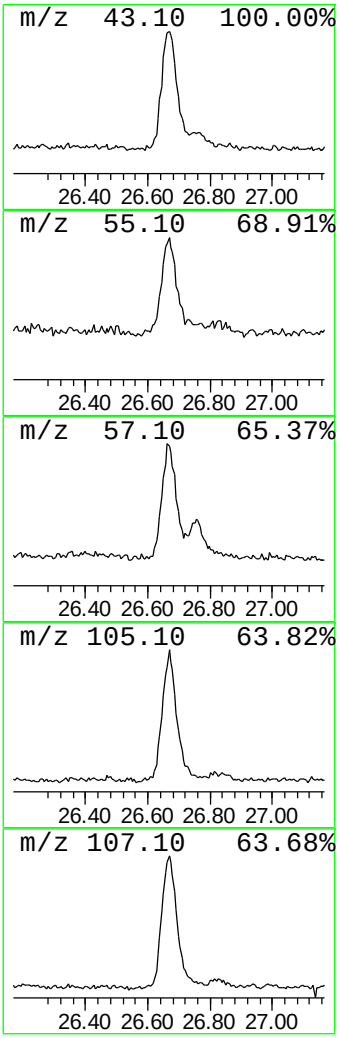
****

Peak Number 10 .beta.-Sitosterol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.67	15.77 ng/ul	615959	Perylene-d12	23.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Sitosterol	414	C29H50O	000083-46-5	99
2	.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
3	.beta.-Sitosterol	414	C29H50O	000083-46-5	98
4	Stigmasterol, 22,23-dihydro-	414	C29H50O	1000214-20-7	96
5	Cholest-5-ene, 3-ethoxy-, (3.bet...	414	C29H50O	000986-19-6	36





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051116\
Data File : BM005405.D
Acq On : 12 May 2016 02:09
Operator : UM/SJ
Sample : H2846-02
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzoic Acid	9.90	10.8	ng/ul	351830	2	10.55	650549	20.0
Dodecanoic acid	14.83	4.8	ng/ul	353152	3	14.40	1481900	20.0
Tetradecanoic acid	16.59	118.6	ng/ul	4801190	4	17.15	809933	20.0
n-Hexadecanoic acid	18.15	727.9	ng/ul	29478500	4	17.15	809933	20.0
9,12-Octadecadien...	19.19	9.9	ng/ul	399238	4	17.15	809933	20.0
Octadec-9-enoic acid	19.27	110.4	ng/ul	5160930	5	21.34	934649	20.0
Octadecanoic acid	19.35	72.2	ng/ul	3375610	5	21.34	934649	20.0
unknown-01	20.33	6.4	ng/ul	299336	5	21.34	934649	20.0
unknown-02	20.43	33.0	ng/ul	1540790	5	21.34	934649	20.0
.beta.-Sitosterol	26.67	15.8	ng/ul	615959	6	23.61	781085	20.0