LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051216\
Data File : BM005416.D
Acq On : 12 May 2016 12:37
Operator : UM/SJ
Sample : H2846-02
Misc :
ALS Vial : 8 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	6.957	717	726	739	rVB2	183183	401954	1.10%	0.523%
2	7.092	742	749	756	rBV	264088	405392	1.11%	0.528%
3	7.292	777	783	793	rVB	280812	445356	1.22%	0.580%
4	7.757	857	862	869	rVB	313641	510078	1.40%	0.664%
5	8.916	1053	1059	1066	rBV	323851	540603	1.49%	0.704%
6	9.633	1174	1181	1190	rBV	290476	479586	1.32%	0.624%
7	9.910	1210	1228	1232	rBV	126839	448539	1.23%	0.584%
8	10.169	1266	1272	1287	rVB	394330	713015	1.96%	0.928%
9	10.545	1330	1336	1344	rVB	464419	785474	2.16%	1.023%
10	13.810	1884	1891	1895	rBV	784707	1115144	3.07%	1.452%
11	14.092	1932	1939	1949	rVB	883141	1315289	3.62%	1.712%
12	14.404	1985	1992	2004	rVB2	1045982	1851827	5.09%	2.411%
13	14.839	2060	2066	2076	rBV	299793	473320	1.30%	0.616%
14	15.392	2154	2160	2171	rVB	1057448	1589001	4.37%	2.069%
15	15.492	2171	2177	2180	rBV	419057	603105	1.66%	0.785%
16	15.521	2180	2182	2196	rVB	286184	392855	1.08%	0.511%
17	16.592	2352	2364	2401	rBV	2219294	6135650	16.87%	7.988%
18	17.151	2453	2459	2468	rVB2	707543	1033417	2.84%	1.345%
19	17.245	2469	2475	2485	rVV2	993622	1534119	4.22%	1.997%
20	18.162	2591	2631	2677	rBV	5857816	36378819	100.00%	47.359%
21	19.274	2807	2820	2829	rBV	2343624	6489158	17.84%	8.448%
22	19.356	2829	2834	2851	rVB	2228241	4218297	11.60%	5.491%
23	19.550	2862	2867	2877	rVB	1086279	1565700	4.30%	2.038%
24	20.333	2995	3000	3008	rBV	251234	512465	1.41%	0.667%
25	20.433	3010	3017	3040	rVB2	934880	2231726	6.13%	2.905%
26	21.344	3167	3172	3188	rBV	858975	1294824	3.56%	1.686%
27	23.468	3526	3533	3543	rVB2	727516	1421264	3.91%	1.850%
28	23.615	3551	3558	3568	rVB2	506220	1013125	2.78%	1.319%
29	26.679	4069	4079	4100	rBV3	254757	916187	2.52%	1.193%

Sum of corrected areas: 76815289

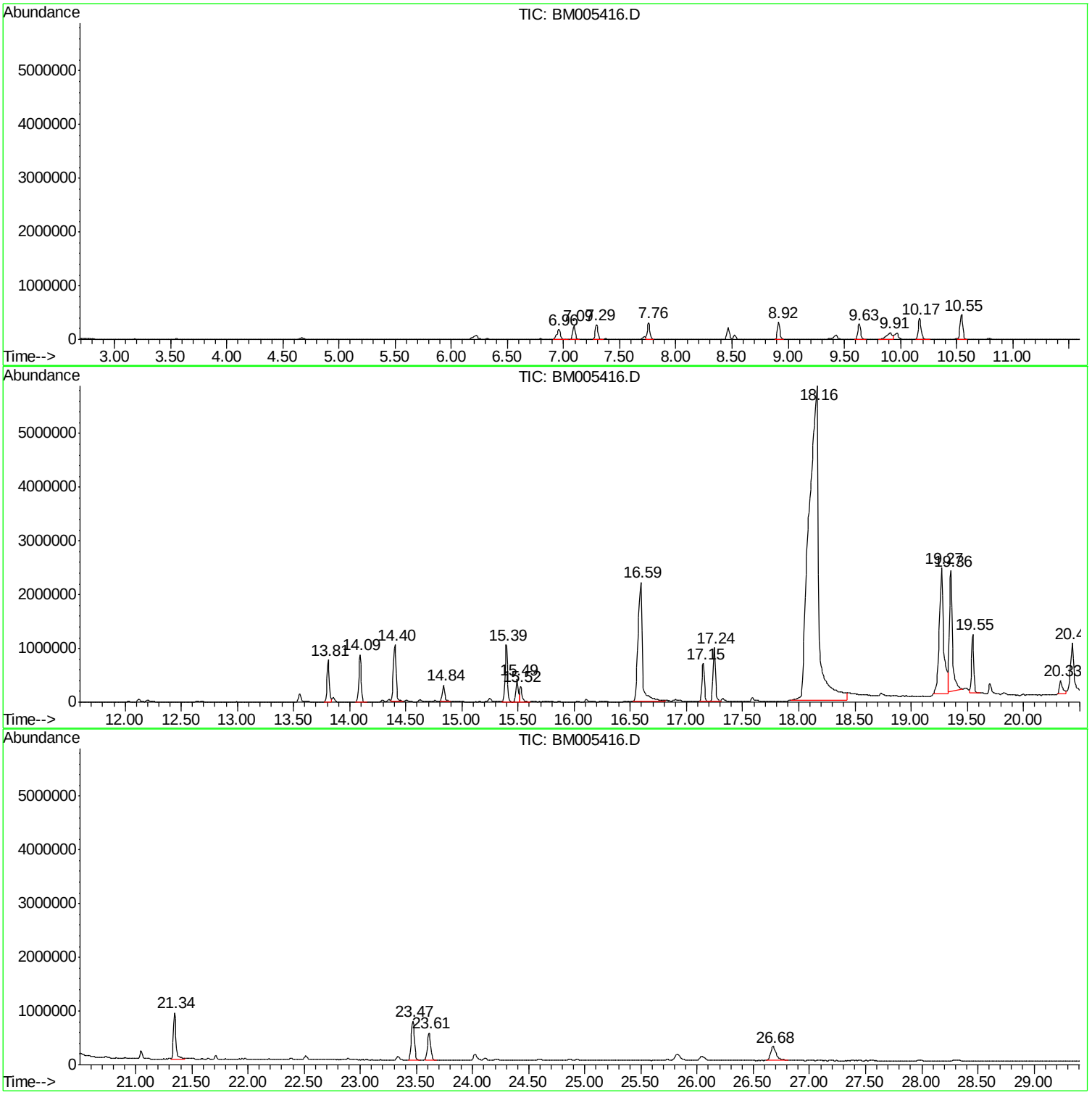
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051216\
Data File : BM005416.D
Acq On : 12 May 2016 12:37
Operator : UM/SJ
Sample : H2846-02
Misc :
ALS Vial : 8 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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051216\
Data File : BM005416.D
Acq On : 12 May 2016 12:37
Operator : UM/SJ
Sample : H2846-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC8

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

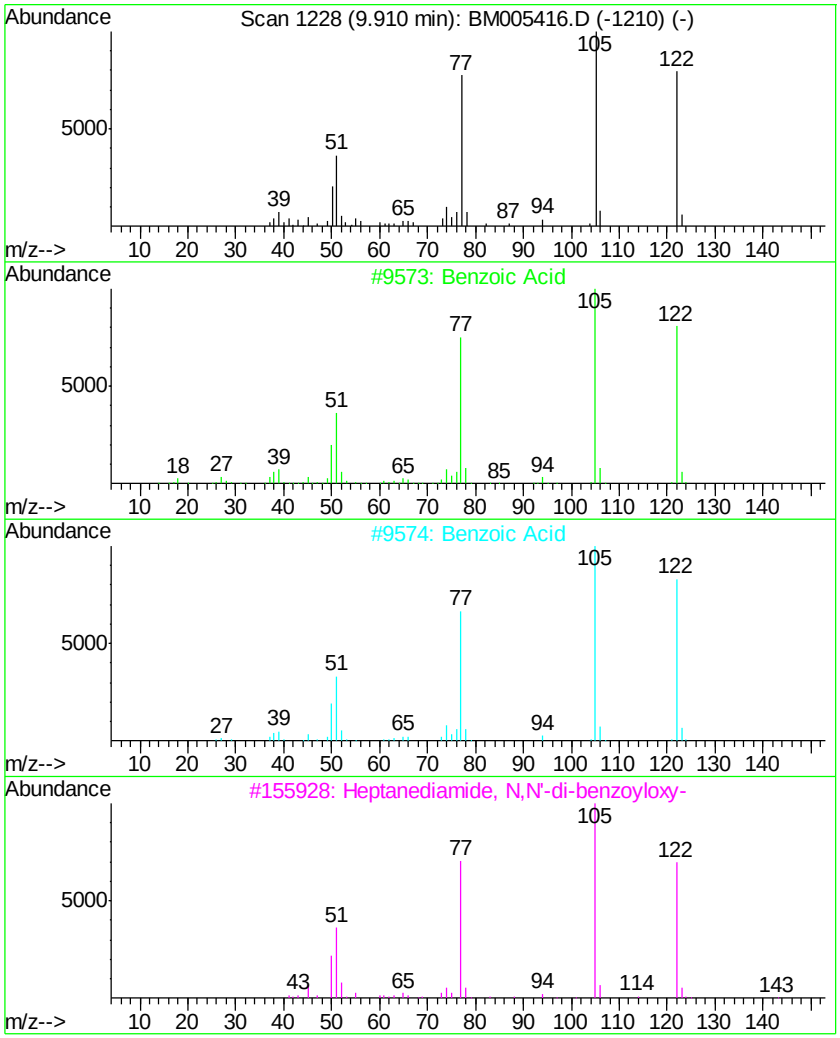
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

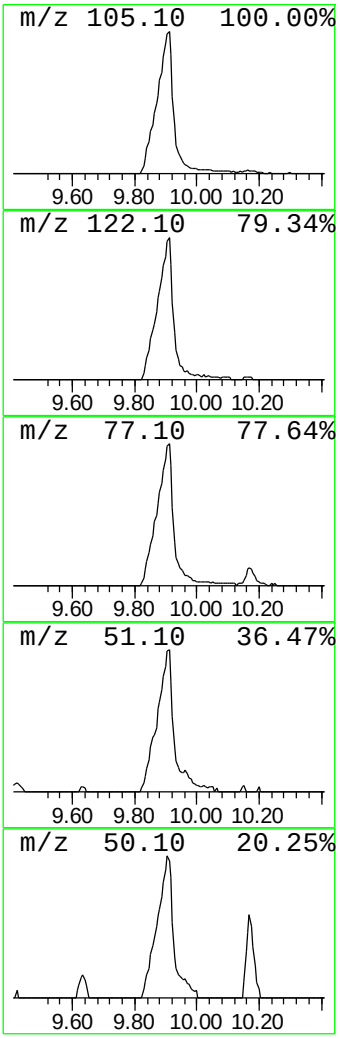
****

Peak Number 1 Benzoic Acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.91	11.42 ng/ul	448539	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	96
3	Heptanediamide, N,N'-di-benzoyloxy-	398	C21H22N2O6	1000253-26-4	91
4	2,4-Dinitrophennylhydrazone of r...	746	C39H30N4O12	1000129-02-7	72
5	.beta.-1,5-O-Dibenzoyl-ribofuranose	358	C19H18O7	1000129-71-8	49





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051216\
Data File : BM005416.D
Acq On : 12 May 2016 12:37
Operator : UM/SJ
Sample : H2846-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC8

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

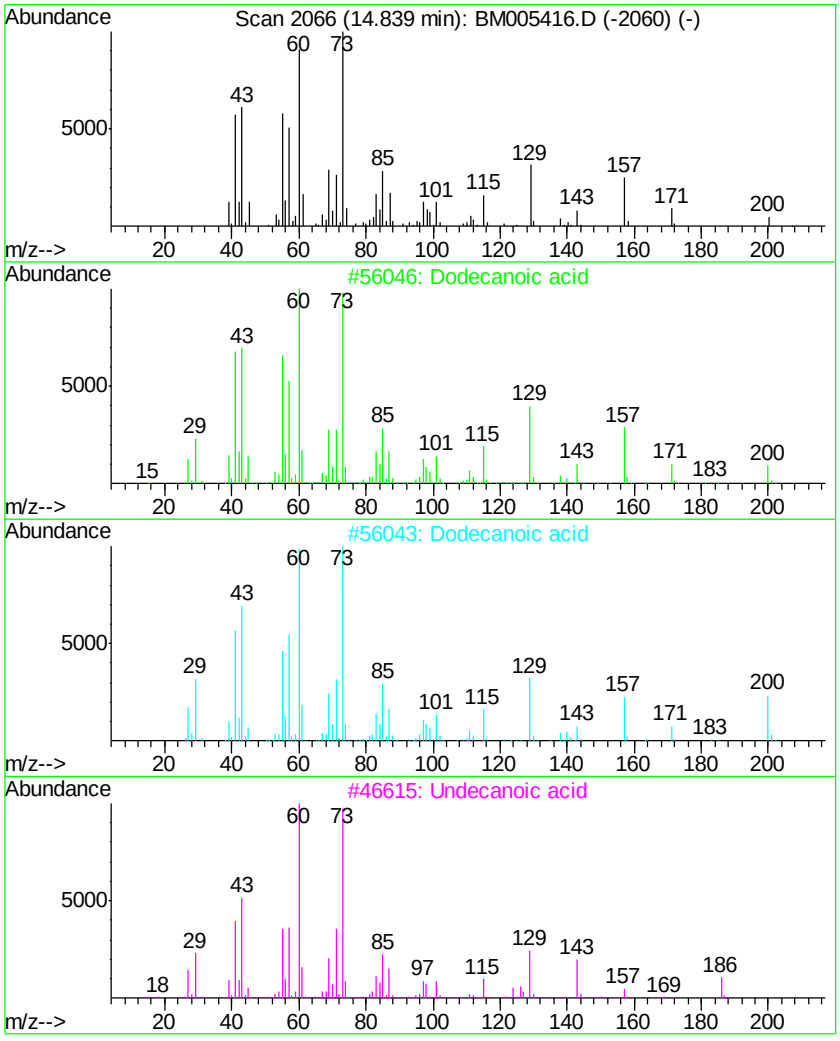
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

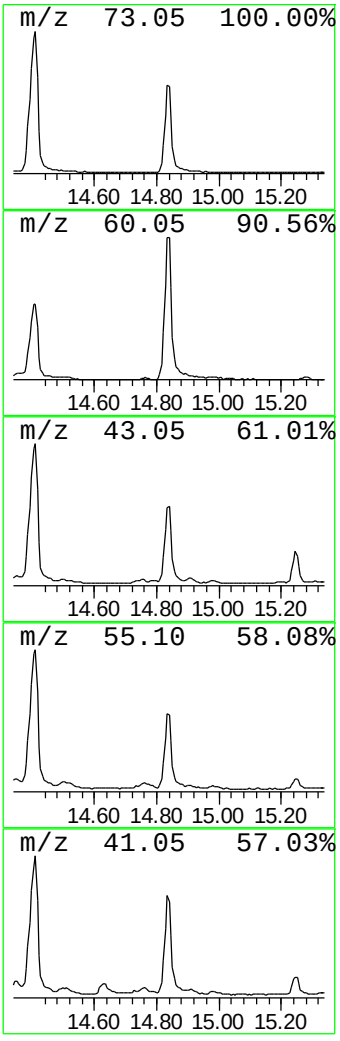
****

Peak Number 2 Dodecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	5.11 ng/ul	473320	Acenaphthene-d10	14.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecanoic acid	200	C12H24O2	000143-07-7	98
2	Dodecanoic acid	200	C12H24O2	000143-07-7	91
3	Undecanoic acid	186	C11H22O2	000112-37-8	64
4	Undecanoic acid	186	C11H22O2	000112-37-8	59
5	n-Decanoic acid	172	C10H20O2	000334-48-5	53





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051216\
Data File : BM005416.D
Acq On : 12 May 2016 12:37
Operator : UM/SJ
Sample : H2846-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC8

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

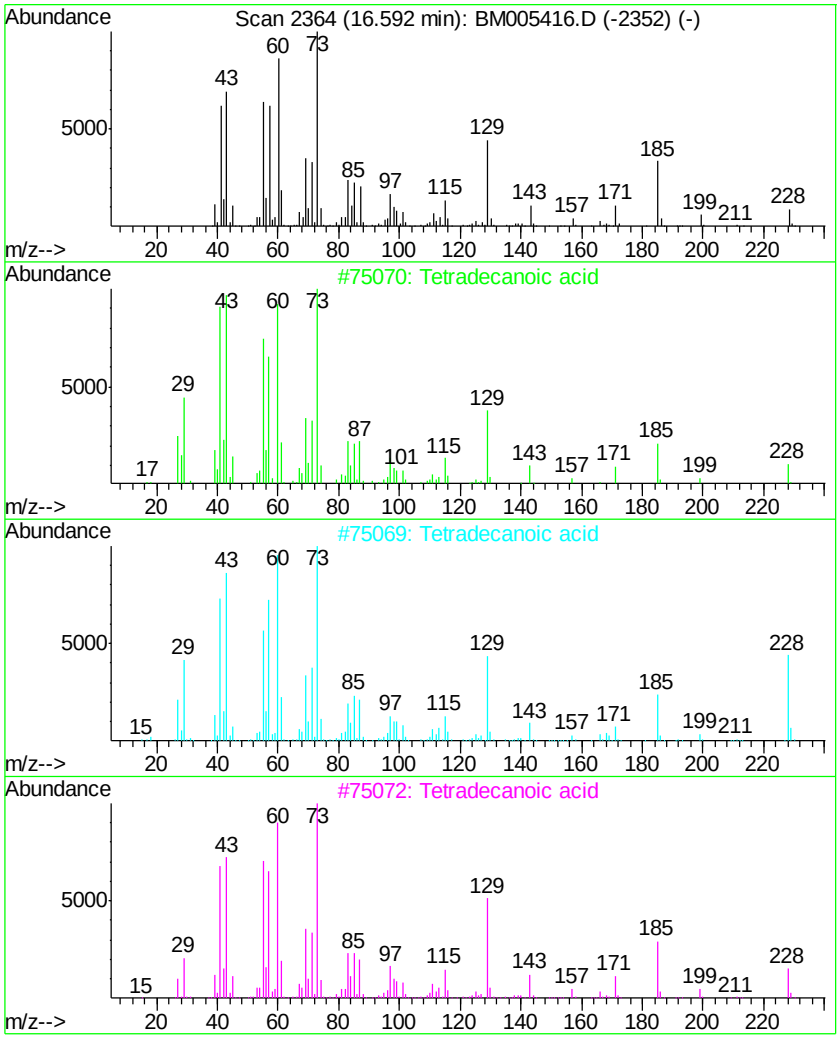
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

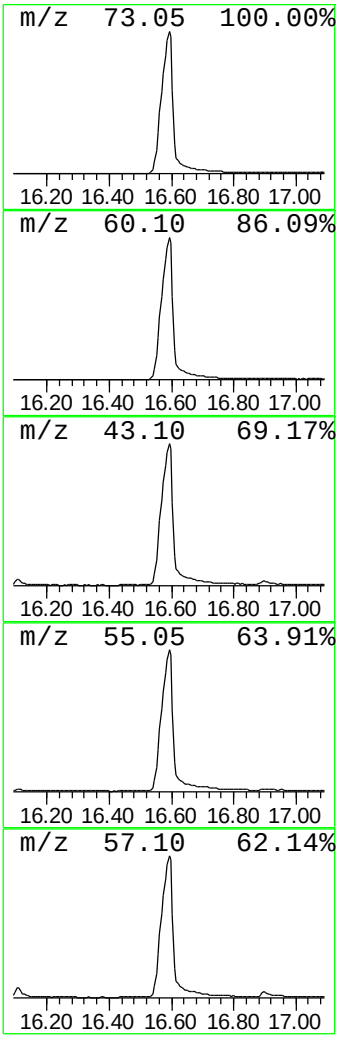
****

Peak Number 3 Tetradecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.59	118.75 ng/ul	6135650	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	94
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5	Tridecanoic acid	214	C13H26O2	000638-53-9	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051216\
Data File : BM005416.D
Acq On : 12 May 2016 12:37
Operator : UM/SJ
Sample : H2846-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC8

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

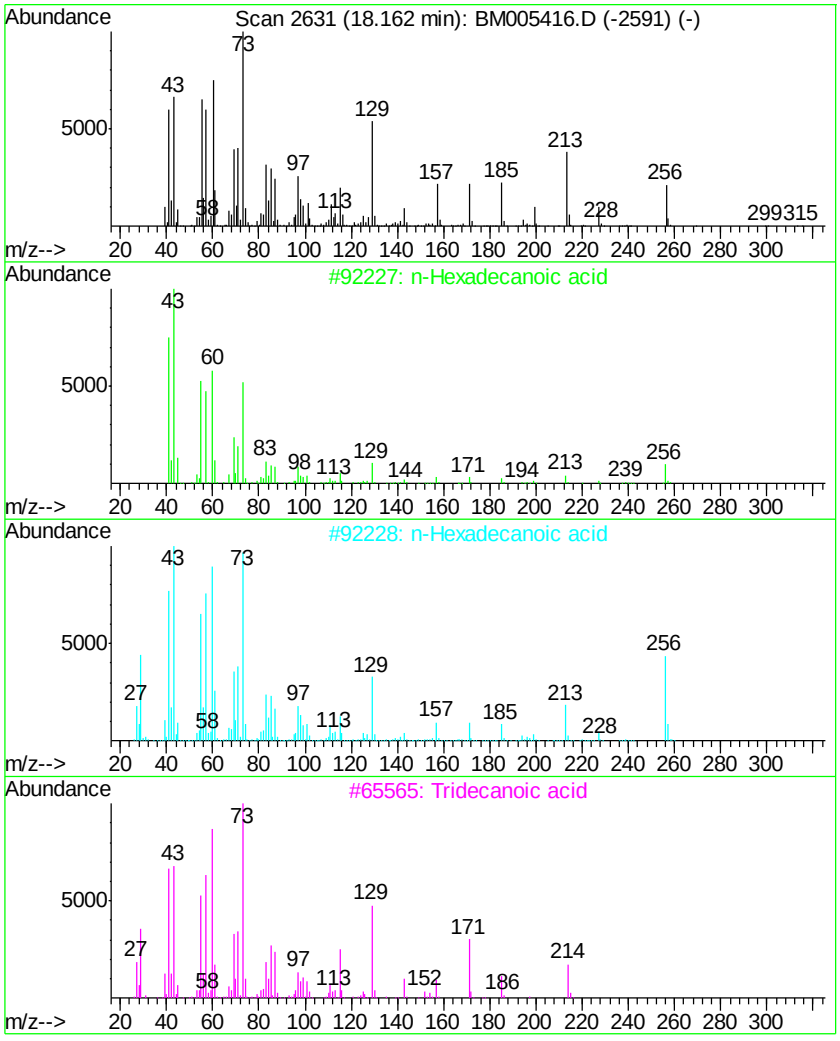
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

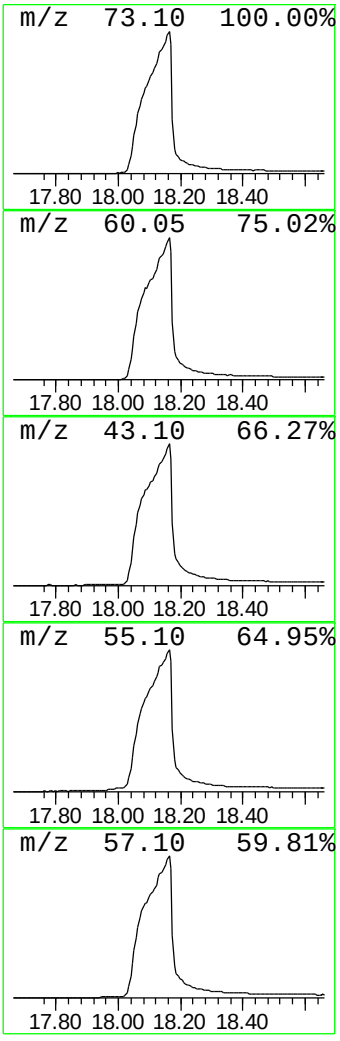
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	704.05 ng/ul	36378800	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	95
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





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051216\
Data File : BM005416.D
Acq On : 12 May 2016 12:37
Operator : UM/SJ
Sample : H2846-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC8

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

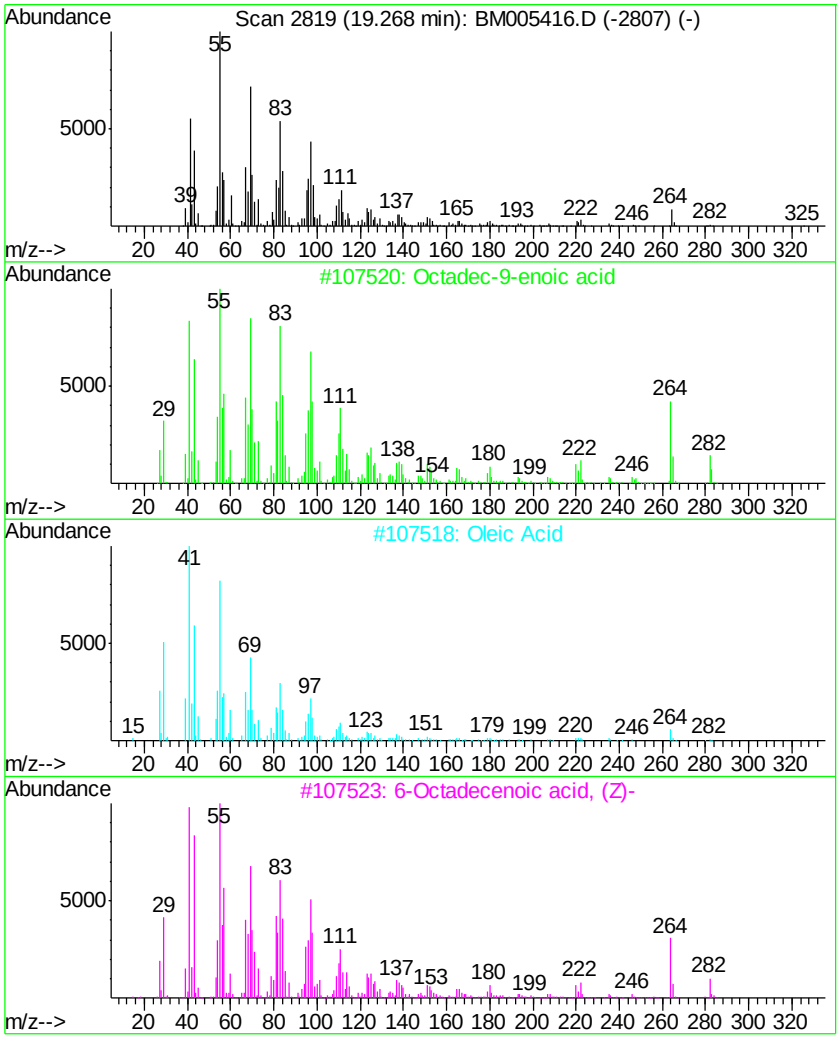
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

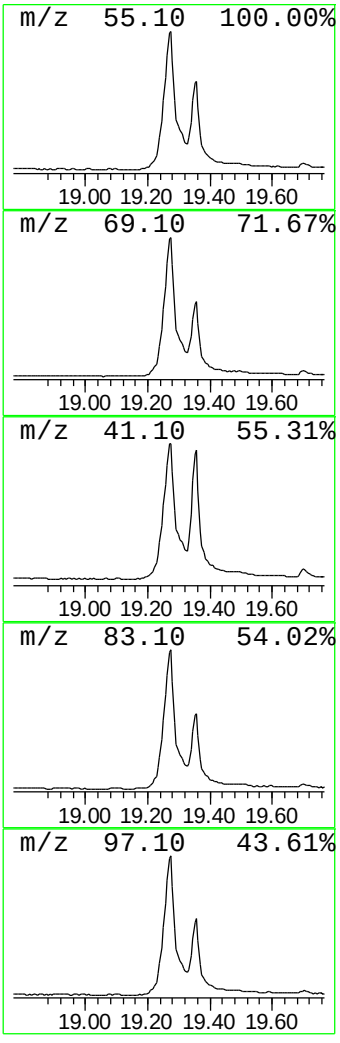
****

Peak Number 5 Octadec-9-enoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.27	100.23 ng/ul	6489160	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	94
4	9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	91
5	Oleic Acid	282	C18H34O2	000112-80-1	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051216\
Data File : BM005416.D
Acq On : 12 May 2016 12:37
Operator : UM/SJ
Sample : H2846-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC8

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

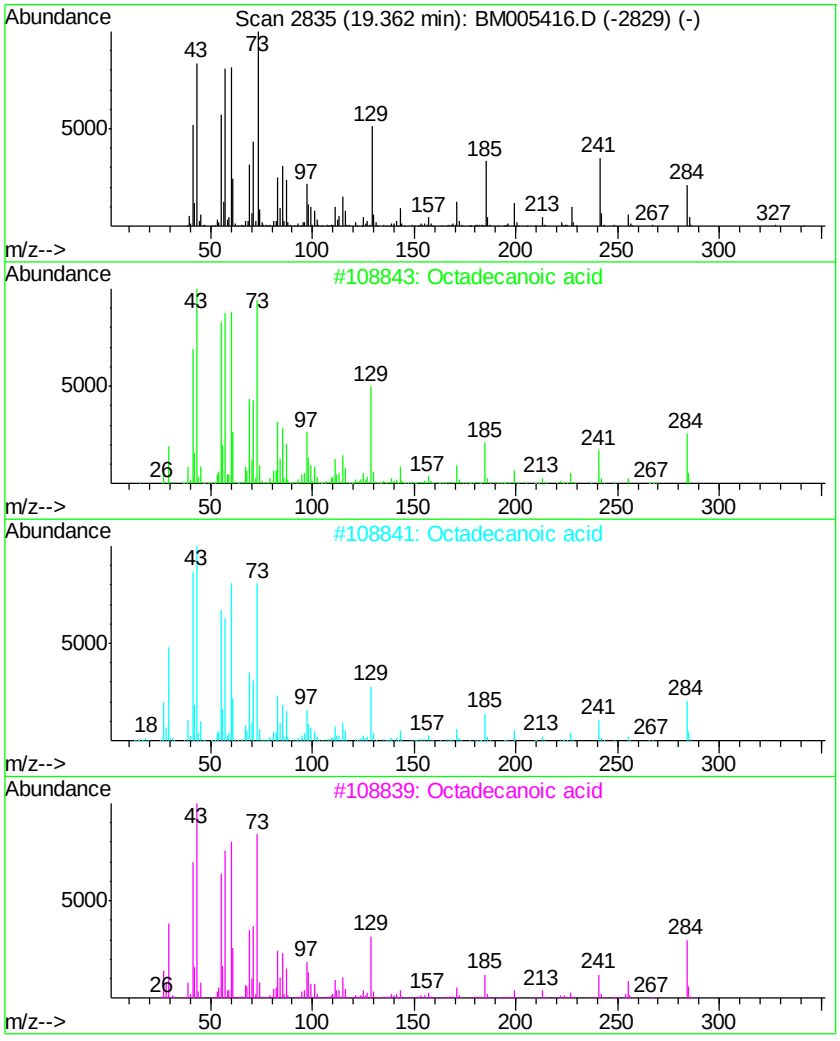
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

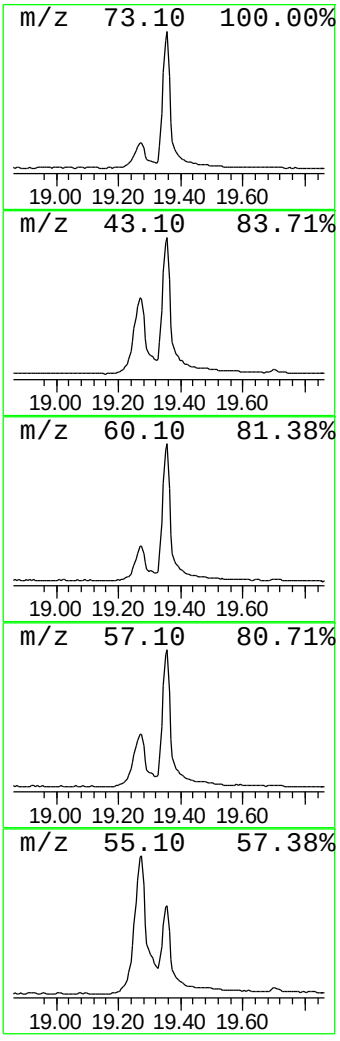
****

Peak Number 6 Octadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.36	65.16 ng/ul	4218300	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





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051216\
Data File : BM005416.D
Acq On : 12 May 2016 12:37
Operator : UM/SJ
Sample : H2846-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC8

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

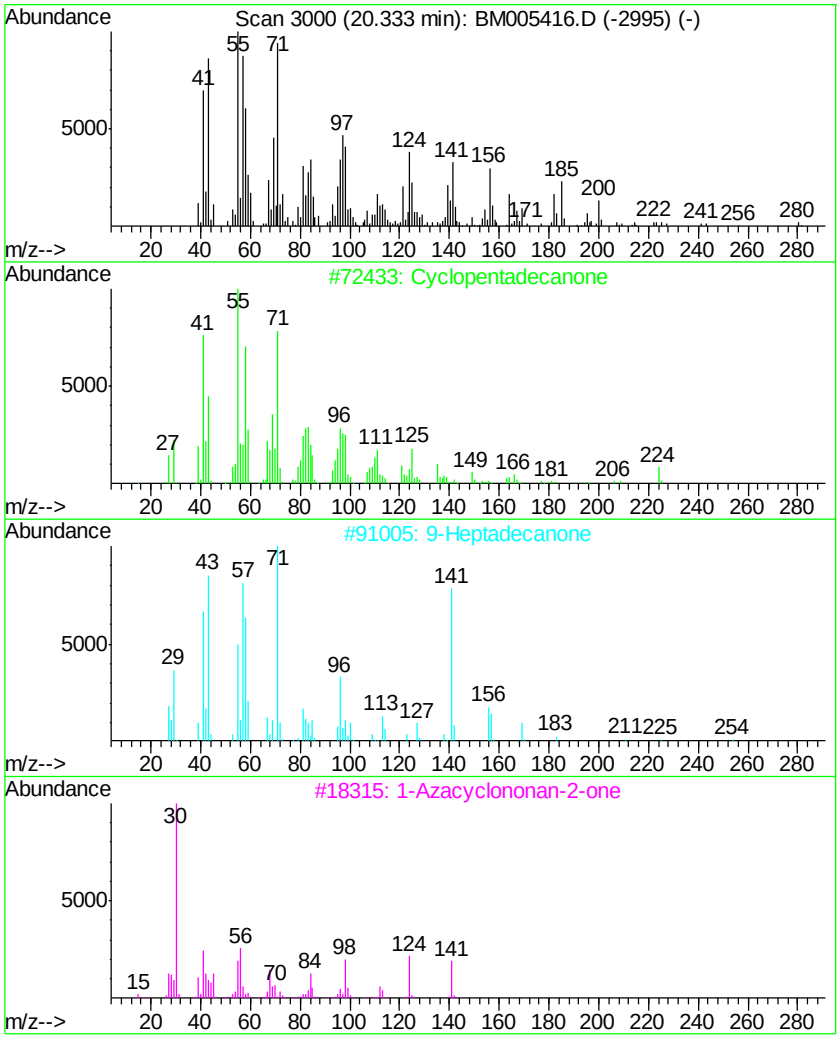
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

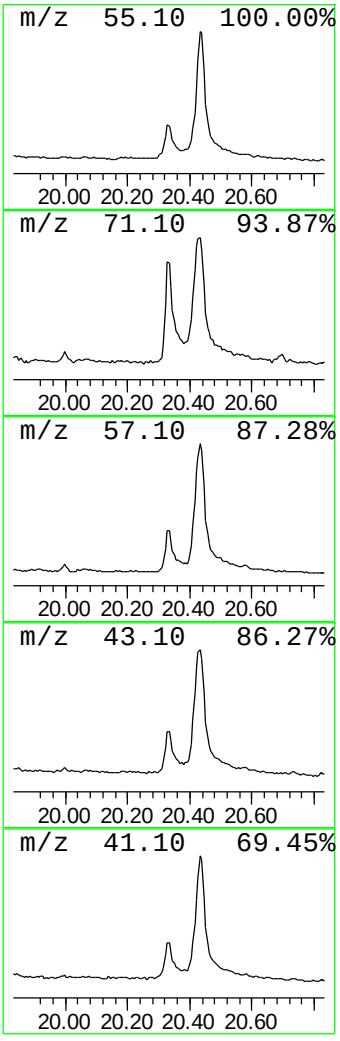
****

Peak Number 7 unknown-01 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.33	7.92 ng/ul	512465	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentadecanone	224	C15H28O	000502-72-7	38
2	9-Heptadecanone	254	C17H34O	000540-08-9	30
3	1-Azacyclononan-2-one	141	C8H15NO	000935-30-8	18
4	1-Tetradecene	196	C14H28	001120-36-1	15
5	1-Tridecene	182	C13H26	002437-56-1	15





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051216\
Data File : BM005416.D
Acq On : 12 May 2016 12:37
Operator : UM/SJ
Sample : H2846-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC8

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

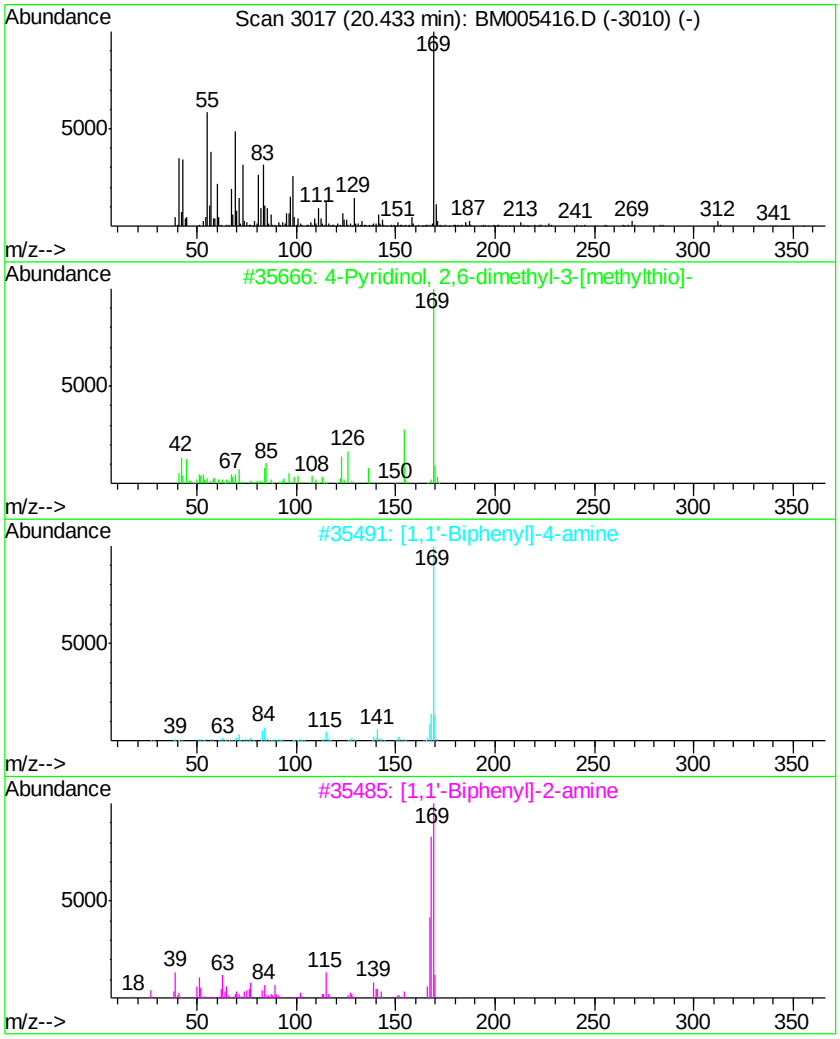
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

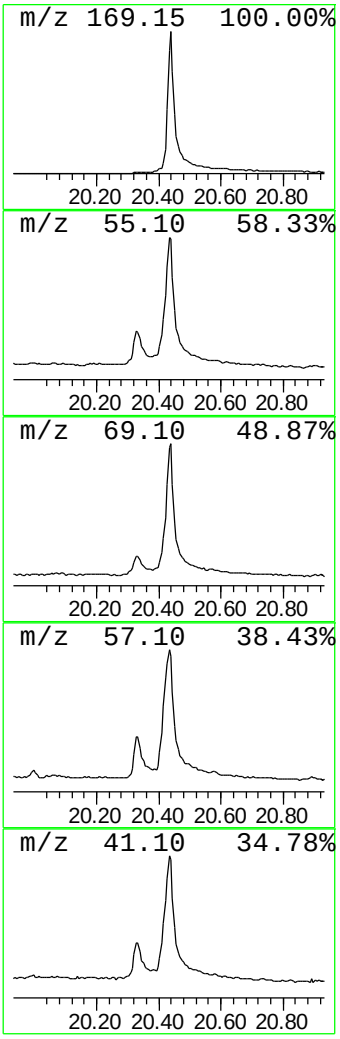
****

Peak Number 8 unknown-02 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.43	34.47 ng/ul	2231730	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	46
2	[1,1'-Biphenyl]-4-amine	169	C12H11N	000092-67-1	38
3	[1,1'-Biphenyl]-2-amine	169	C12H11N	000090-41-5	38
4	Phenol, 4-methoxy-2-nitro-	169	C7H7NO4	001568-70-3	38
5	[1,1'-Biphenyl]-3-amine	169	C12H11N	002243-47-2	38





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051216\
Data File : BM005416.D
Acq On : 12 May 2016 12:37
Operator : UM/SJ
Sample : H2846-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC8

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

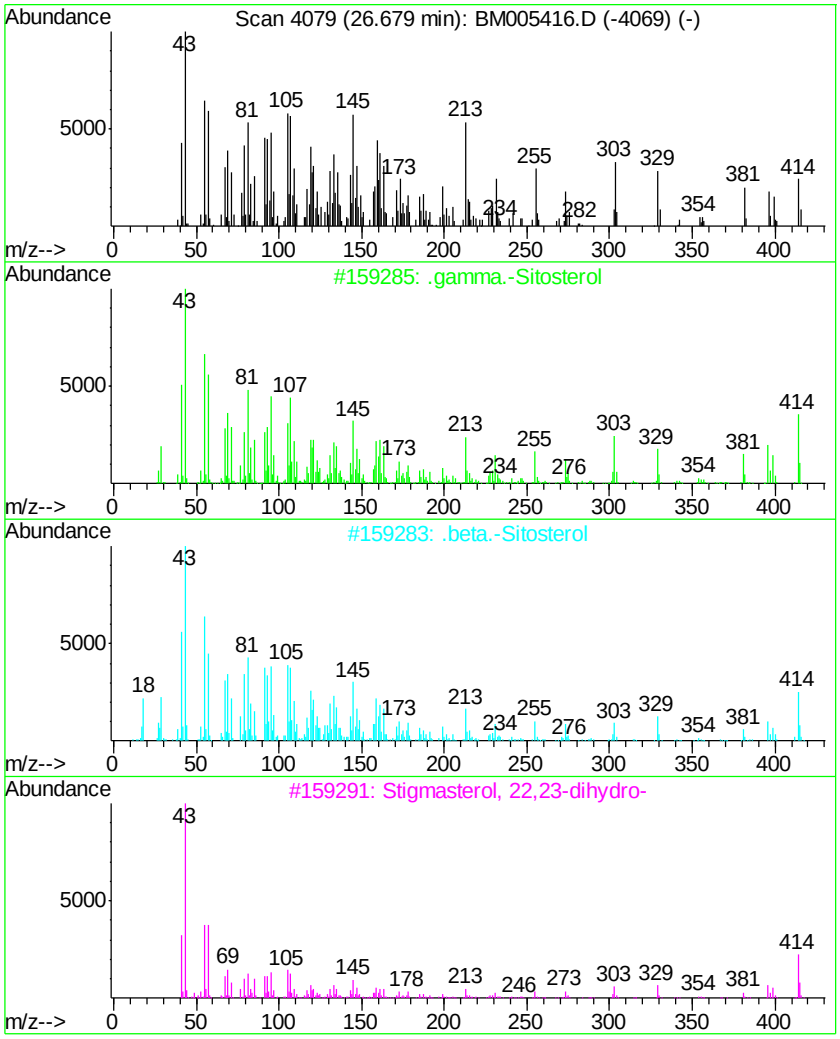
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

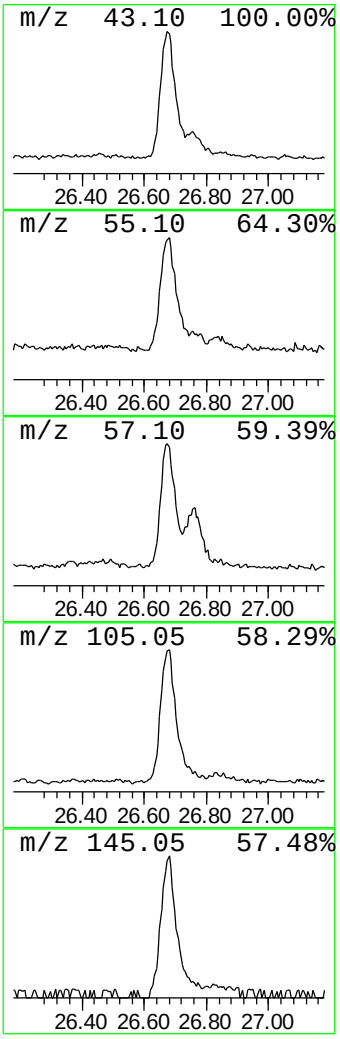
****

Peak Number 9 .gamma.-Sitosterol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.68	18.09 ng/ul	916187	Perylene-d12	23.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	98
3	Stigmasterol, 22,23-dihydro-	414	C29H50O	1000214-20-7	97
4	.beta.-Sitosterol	414	C29H50O	000083-46-5	87
5	Isocholesteryl methyl ether	400	C28H48O	029944-53-4	32





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM051216\
Data File : BM005416.D
Acq On : 12 May 2016 12:37
Operator : UM/SJ
Sample : H2846-02
Misc :
ALS Vial : 8 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	9.91	11.4	ng/ul	448539	2	10.55	785474	20.0
Dodecanoic acid	14.84	5.1	ng/ul	473320	3	14.40	1851830	20.0
Tetradecanoic acid	16.59	118.8	ng/ul	6135650	4	17.15	1033420	20.0
n-Hexadecanoic acid	18.16	704.0	ng/ul	36378800	4	17.15	1033420	20.0
Octadec-9-enoic acid	19.27	100.2	ng/ul	6489160	5	21.34	1294820	20.0
Octadecanoic acid	19.36	65.2	ng/ul	4218300	5	21.34	1294820	20.0
unknown-01	20.33	7.9	ng/ul	512465	5	21.34	1294820	20.0
unknown-02	20.43	34.5	ng/ul	2231730	5	21.34	1294820	20.0
.gamma.-Sitosterol	26.68	18.1	ng/ul	916187	6	23.61	1013130	20.0