LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM013017\
Data File : BM008932.D
Acq On : 31 Jan 2017 03:19
Operator : SJ/MA
Sample : I1461-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDPA1

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-BM013017.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	2.757	24	29	57	rVB	10019415	16732937	100.00%	30.208%
2	3.034	70	76	95	rVB	3959028	6127011	36.62%	11.061%
3	7.069	755	762	771	rBV2	502398	900338	5.38%	1.625%
4	7.245	784	792	800	rBV	301173	475205	2.84%	0.858%
5	7.445	818	826	835	rBV2	485146	764141	4.57%	1.379%
6	7.916	898	906	912	rBV	431895	669582	4.00%	1.209%
7	8.610	1013	1024	1033	rBV	537081	844930	5.05%	1.525%
8	9.081	1095	1104	1113	rBV	492094	810987	4.85%	1.464%
9	9.798	1218	1226	1235	rBV2	425725	722078	4.32%	1.304%
10	10.333	1310	1317	1326	rBV	563058	927577	5.54%	1.675%
11	10.722	1376	1383	1390	rVB	480742	828157	4.95%	1.495%
12	10.857	1398	1406	1416	rVB	506529	838886	5.01%	1.514%
13	13.957	1927	1933	1938	rBV	885766	1235652	7.38%	2.231%
14	14.004	1938	1941	1948	rVB	242853	328589	1.96%	0.593%
15	14.251	1976	1983	1989	rBV	888279	1260951	7.54%	2.276%
16	14.557	2028	2035	2043	rVB	728690	1022966	6.11%	1.847%
17	14.739	2059	2066	2076	rBV	535807	757143	4.52%	1.367%
18	15.545	2198	2203	2213	rVB	1070244	1567604	9.37%	2.830%
19	15.657	2217	2222	2230	rBV	456814	633077	3.78%	1.143%
20	17.304	2495	2502	2507	rBV	900560	1285980	7.69%	2.322%
21	17.398	2512	2518	2525	rVB	1234300	1756283	10.50%	3.171%
22	18.168	2644	2649	2656	rBV2	228806	332462	1.99%	0.600%
23	19.445	2862	2866	2873	rBV2	191640	258257	1.54%	0.466%
24	19.597	2886	2892	2897	rBV	3516231	3657173	21.86%	6.602%
25	19.692	2902	2908	2913	rBV	1480200	2067847	12.36%	3.733%
26	20.639	3064	3069	3075	rBV	3074169	3067704	18.33%	5.538%
27	21.162	3154	3158	3164	rBV5	146434	202296	1.21%	0.365%
28	21.468	3205	3210	3217	rVB	1296616	1665610	9.95%	3.007%
29	23.674	3578	3585	3595	rBV2	1081160	2088372	12.48%	3.770%
30	23.827	3604	3611	3620	rVB2	792007	1563032	9.34%	2.822%

Sum of corrected areas: 55392827

LSC Report - Integrated Chromatogram

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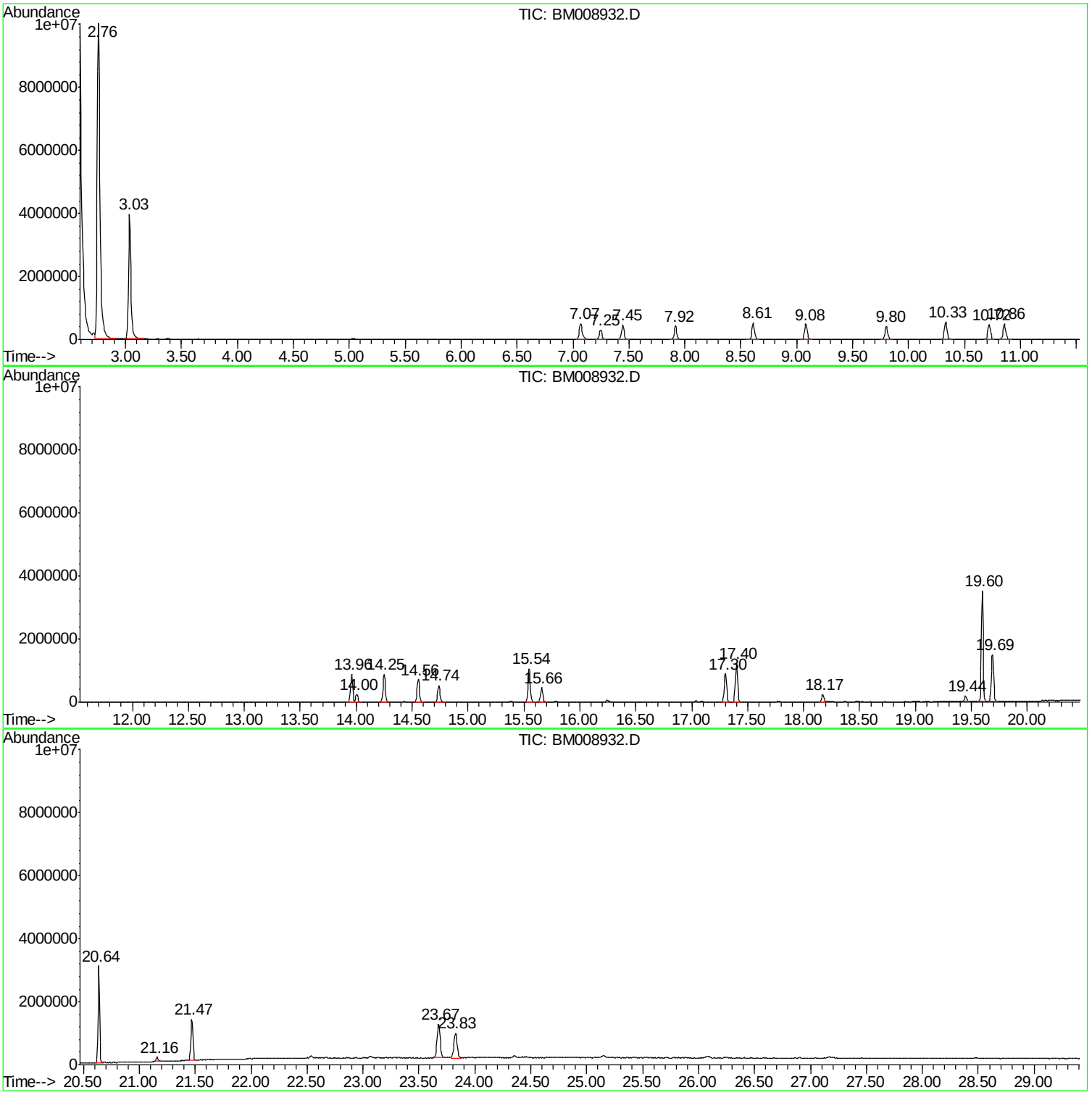
Operator : SJ/MA
Sample : I1461-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BDPA1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM013017.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Data File : BM008932.D
Acq On : 31 Jan 2017 03:19
Operator : SJ/MA
Sample : I1461-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDPA1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM013017.M
Quant Title : SVOA CALIBRATION

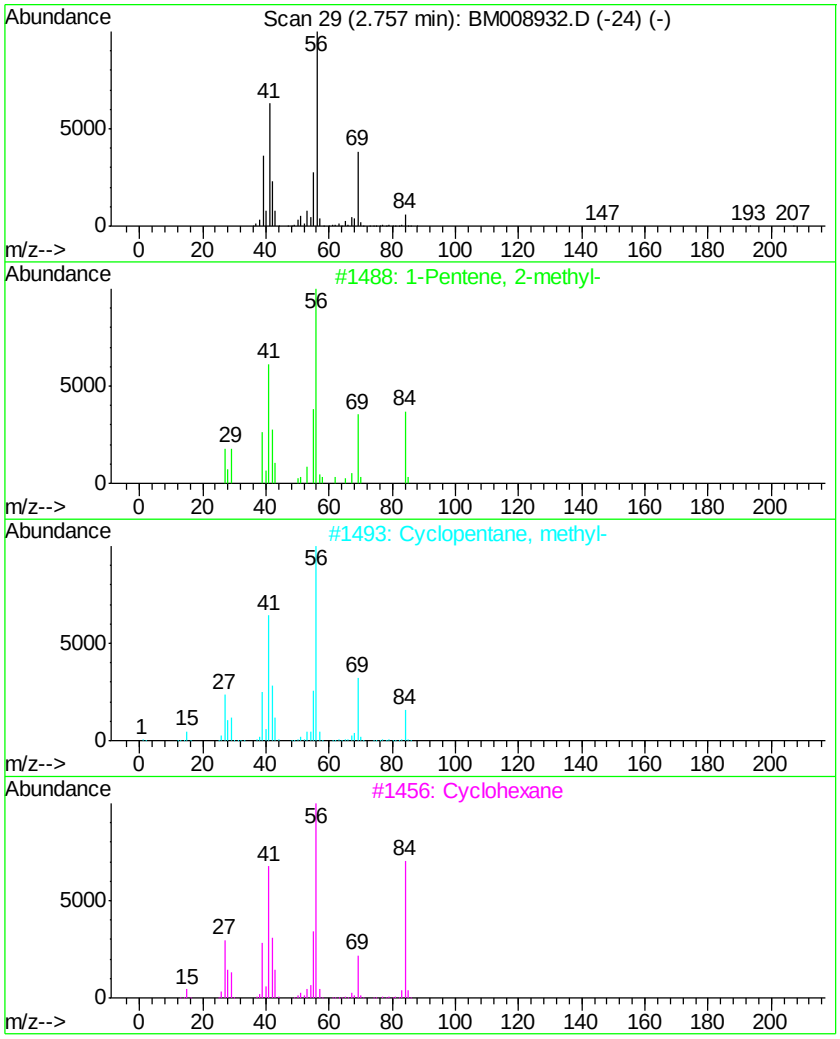
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

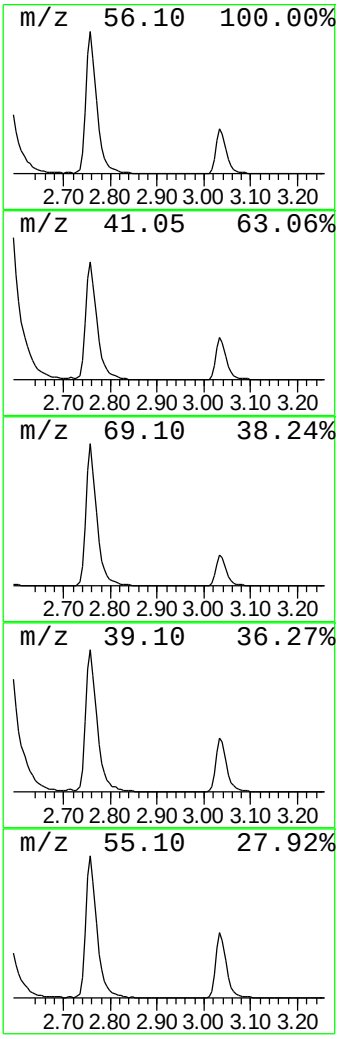
****

Peak Number 1 (DEL) Alkane: Cyclic2.76 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.76	499.80 ng/ul	16732900	1,4-Dichlorobenzene-d4	7.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	86
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	83
3	Cyclohexane	84	C6H12	000110-82-7	78
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72





Library Search Compound Report

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Acq On : 31 Jan 2017 03:19
Operator : SJ/MA
Sample : I1461-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDPA1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM013017.M
Quant Title : SVOA CALIBRATION

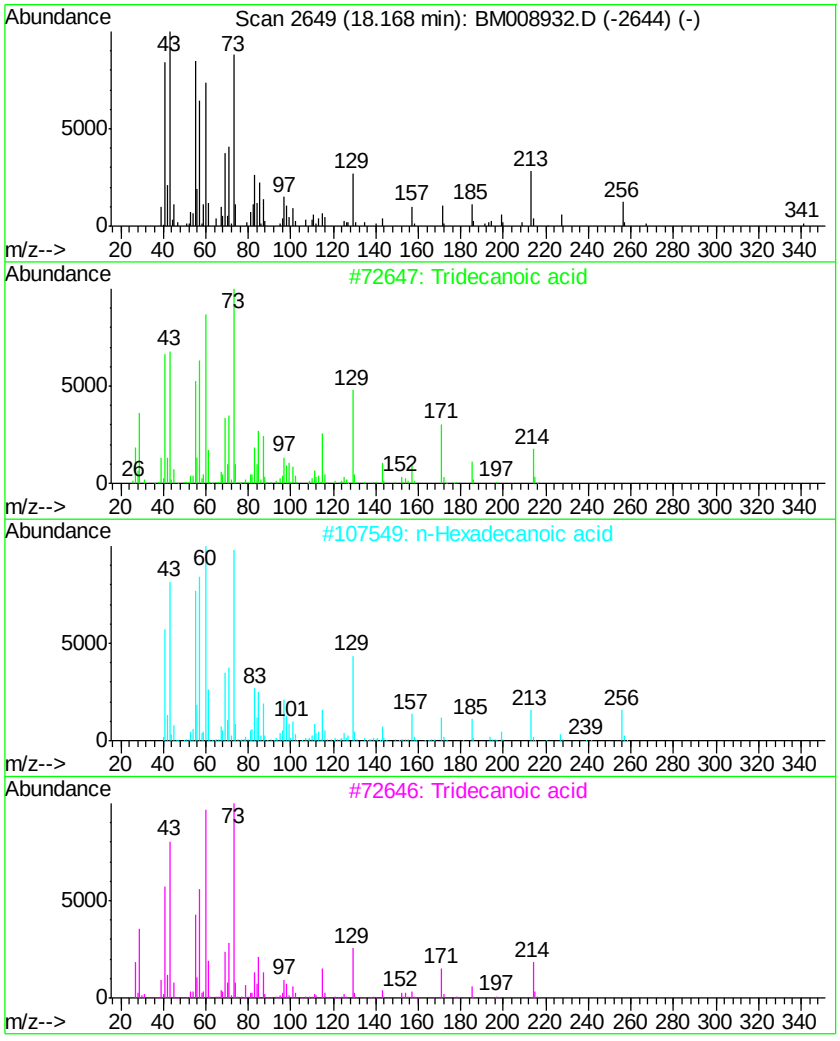
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

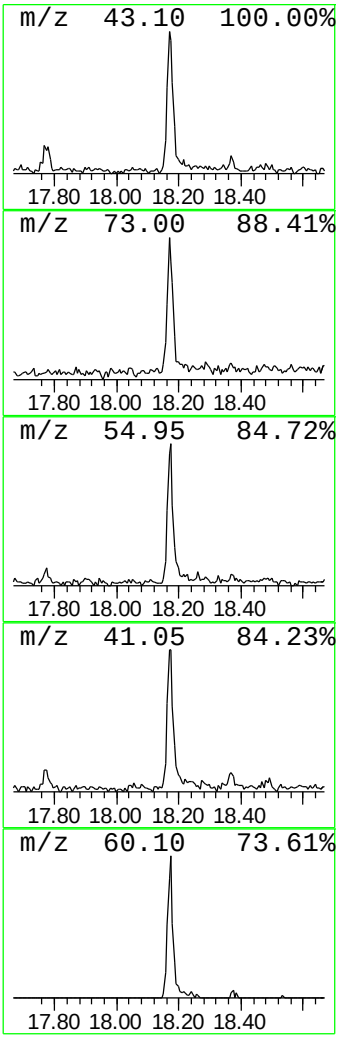
****

Peak Number 3 Tridecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	5.17 ng/ul	332462	Phenanthrene-d10	17.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	89
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	89
3	Tridecanoic acid	214	C13H26O2	000638-53-9	89
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
5	Dodecanoic acid	200	C12H24O2	000143-07-7	70





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM013017\
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Acq On : 31 Jan 2017 03:19
Operator : SJ/MA
Sample : I1461-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDPA1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM013017.M
Quant Title : SVOA CALIBRATION

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

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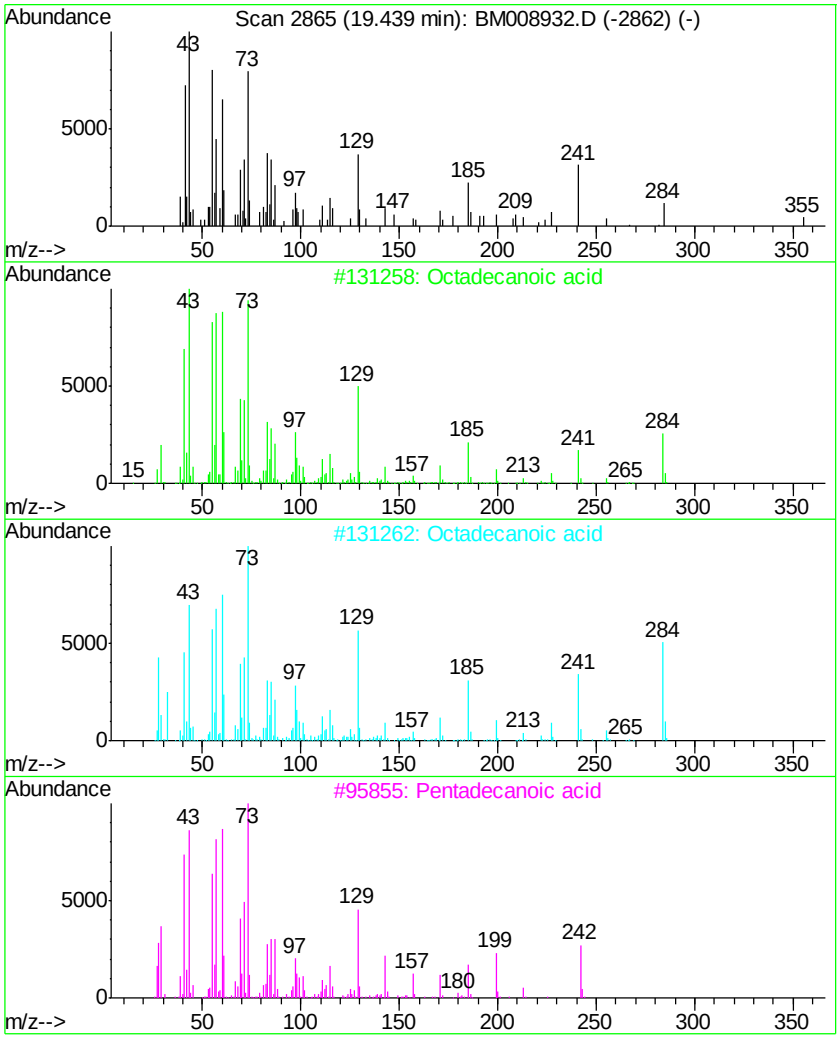
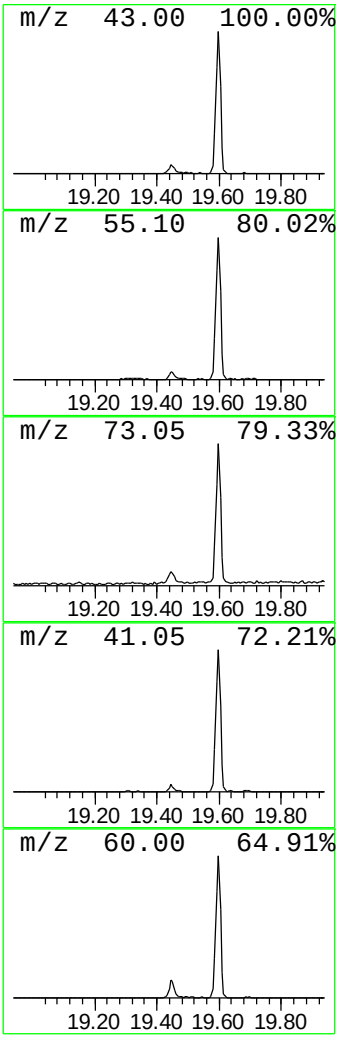
Peak Number 4 Octadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.44	3.10 ng/ul	258257	Chrysene-d12	21.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	95
2	Octadecanoic acid	284	C18H36O2	000057-11-4	92
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	64
4	Octadecanoic acid	284	C18H36O2	000057-11-4	62
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	55





Data Path : Z:\HPCHEM1\BNA M\DATA\BM013017\
Data File : BM008932.D
Acq On : 31 Jan 2017 03:19
Operator : SJ/MA
Sample : I1461-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDPA1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM013017.M
Quant Title : SVOA CALIBRATION

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

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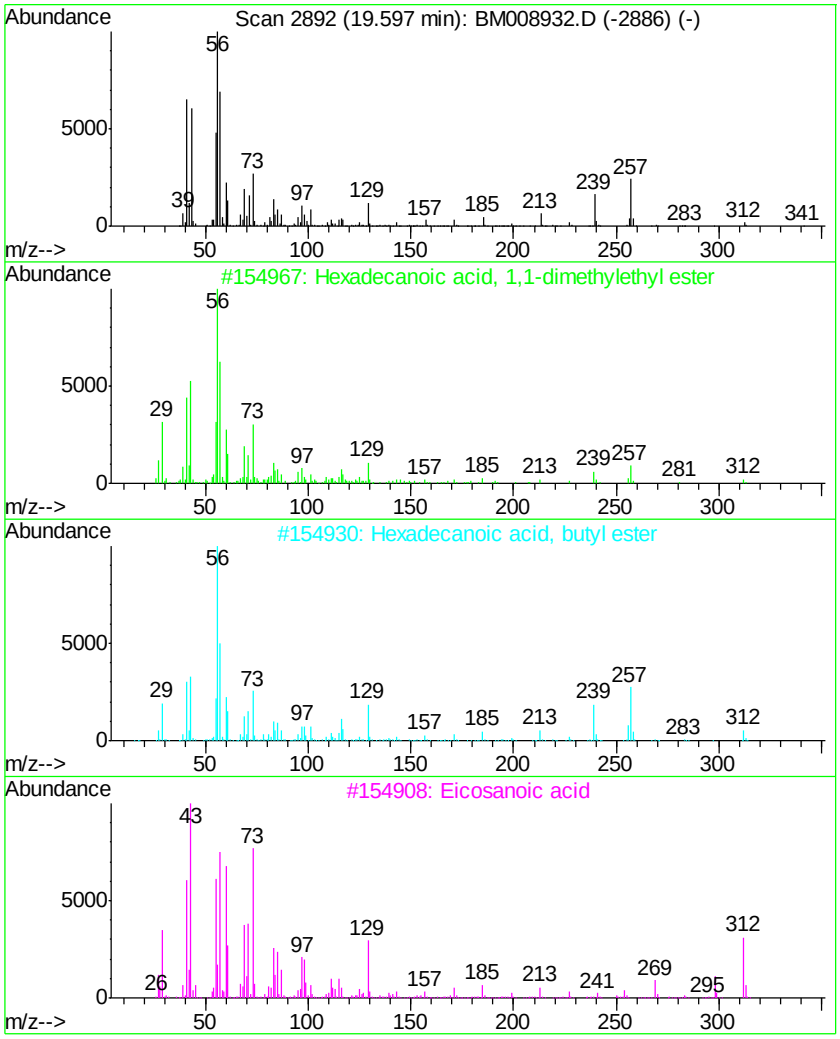
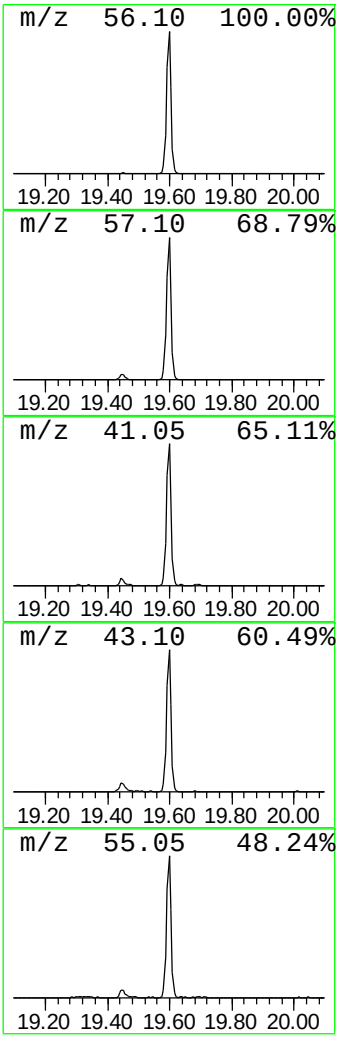
Peak Number 5 Hexadecanoic acid, 1,1-dime... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.60	43.91 ng/ul	3657170	Chrysene-d12	21.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	89
2	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	86
3	Eicosanoic acid	312	C20H40O2	000506-30-9	74
4	Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	50
5	1,3-Hexanediol, 2-ethyl-	146	C8H18O2	000094-96-2	43





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Acq On : 31 Jan 2017 03:19
Operator : SJ/MA
Sample : I1461-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BDPA1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM013017.M
Quant Title : SVOA CALIBRATION

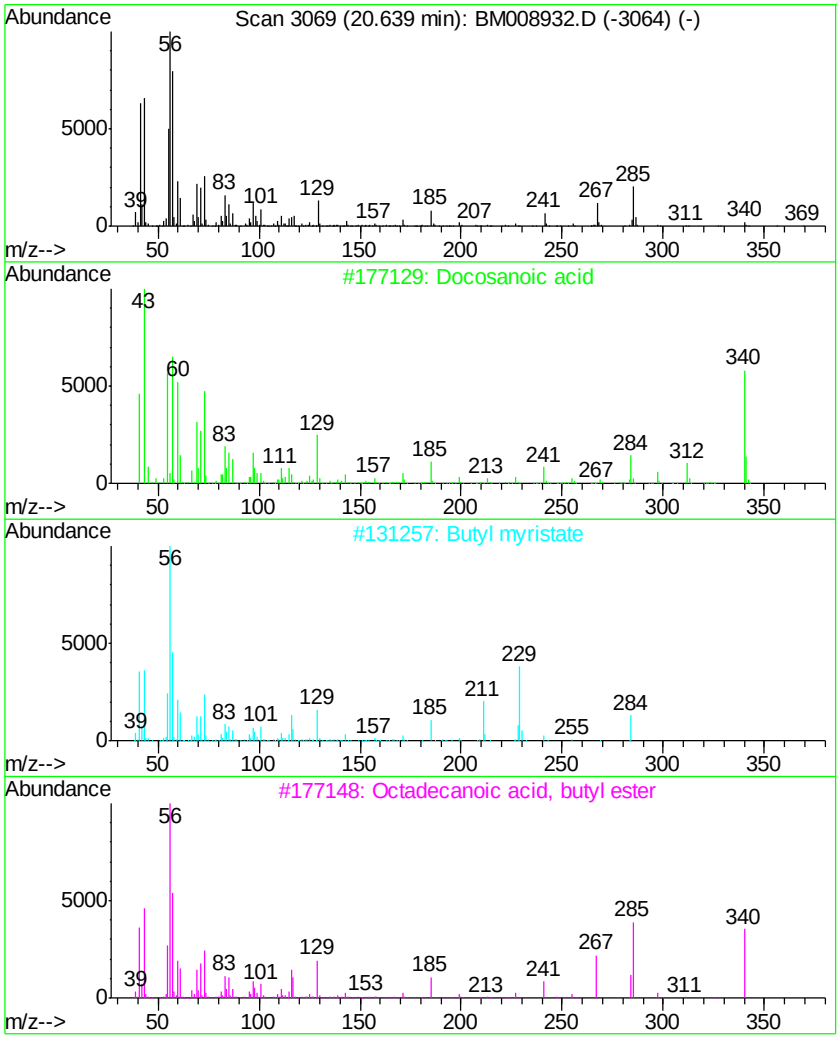
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

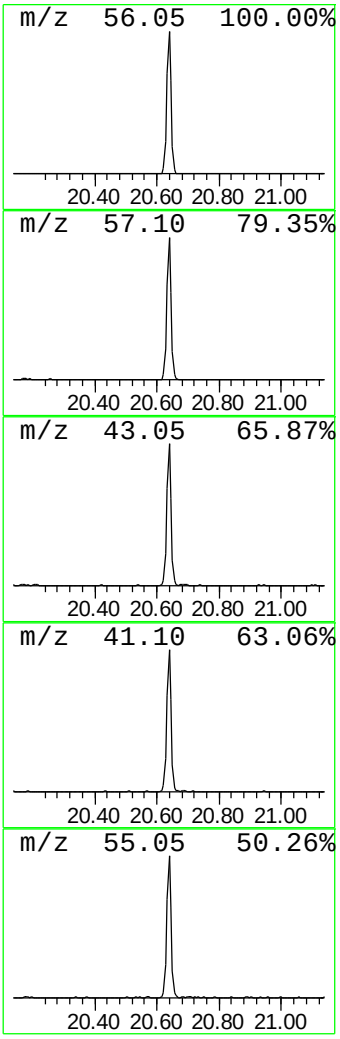
****

Peak Number 6 Docosanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.64	36.84 ng/ul	3067700	Chrysene-d12	21.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosanoic acid	340	C22H44O2	000112-85-6	80
2	Butyl myristate	284	C18H36O2	000110-36-1	59
3	Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	55
4	Octadecanoic acid, 2-methylpropy...	340	C22H44O2	000646-13-9	50
5	Pentadecane, 8-methylene-	224	C16H32	055668-09-2	38





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Sample : I1461-01
Misc :
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Instrument : BNA_M
ClientSampleId : BDPA1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM013017.M
Quant Title : SVOA CALIBRATION

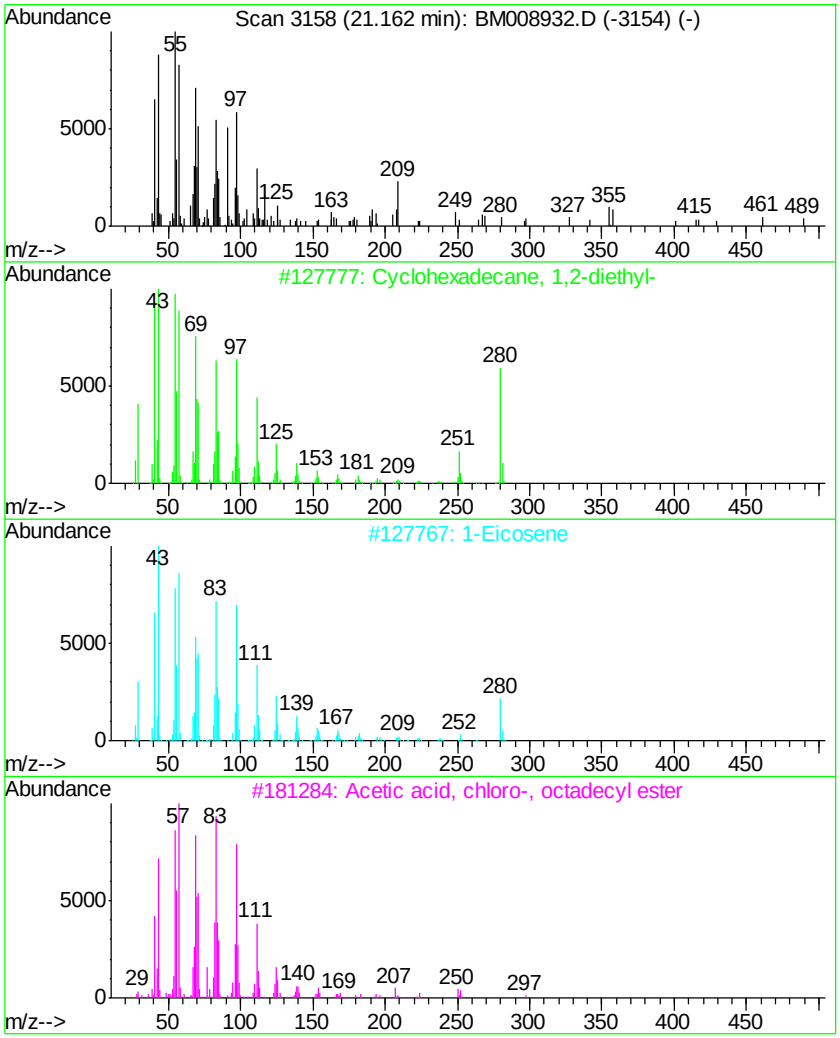
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

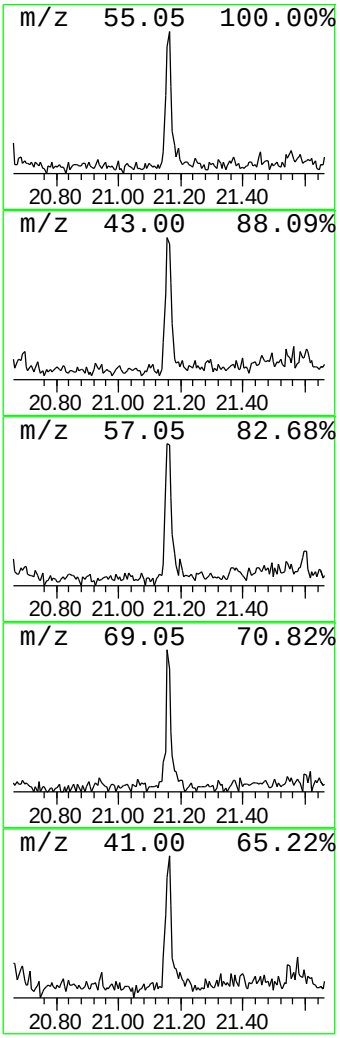
****

Peak Number 7 (DEL) Alkane: Cyclic21.16 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.16	2.43 ng/ul	202296	Chrysene-d12	21.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane, 1,2-diethyl-	280	C20H40	1000155-85-3	93
2	1-Eicosene	280	C20H40	003452-07-1	86
3	Acetic acid, chloro-, octadecyl ...	346	C20H39ClO2	005348-82-3	81
4	Cycloeicosane	280	C20H40	000296-56-0	78
5	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	76





Tentatively Identified Compound (LSC) summary

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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
(DEL) Alkane: Cyc...	2.76	499.8	ng/ul	16732900	1	7.92	669582	20.0
Tridecanoic acid	18.17	5.2	ng/ul	332462	4	17.30	1285980	20.0
Octadecanoic acid	19.44	3.1	ng/ul	258257	5	21.47	1665610	20.0
Hexadecanoic acid...	19.60	43.9	ng/ul	3657170	5	21.47	1665610	20.0
Docosanoic acid	20.64	36.8	ng/ul	3067700	5	21.47	1665610	20.0
(DEL) Alkane: Cyc...	21.16	2.4	ng/ul	202296	5	21.47	1665610	20.0