LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080618\
Data File : BM016199.D
Acq On : 06 Aug 2018 19:57
Operator : SJ/JU
Sample : J4333-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SOIL-2

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM072318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.216	323	328	341	rBV	103282	157464	12.42%	1.301%
2	5.693	403	409	424	rBV	710681	1102002	86.92%	9.102%
3	7.334	682	688	706	rBV	737148	1169856	92.27%	9.663%
4	7.698	743	750	763	rBV	793607	1267809	100.00%	10.472%
5	8.169	825	830	842	rBB	174043	286280	22.58%	2.365%
6	8.492	879	885	899	rBB	594362	946799	74.68%	7.820%
7	9.357	1026	1032	1048	rBV	417876	719324	56.74%	5.942%
8	10.986	1303	1309	1316	rBV	201333	343762	27.11%	2.839%
9	13.421	1715	1723	1731	rBV	887571	1247645	98.41%	10.305%
10	14.257	1858	1865	1872	rBB	58219	79088	6.24%	0.653%
11	14.804	1952	1958	1965	rBB2	262871	398821	31.46%	3.294%
12	16.286	2204	2210	2221	rBV	816606	1108064	87.40%	9.152%
13	17.533	2417	2422	2428	rBV2	325204	467098	36.84%	3.858%
14	17.580	2428	2430	2435	rVB2	11845	13340	1.05%	0.110%
15	18.380	2561	2566	2575	rBV	103335	156296	12.33%	1.291%
16	19.568	2765	2768	2773	rVB	17325	22966	1.81%	0.190%
17	19.639	2774	2780	2786	rBV4	48892	69606	5.49%	0.575%
18	19.903	2820	2825	2826	rBV4	9681	14827	1.17%	0.122%
19	19.933	2827	2830	2835	rVB2	16134	21060	1.66%	0.174%
20	20.009	2840	2843	2848	rVB3	33745	40124	3.16%	0.331%
21	20.109	2855	2860	2866	rBV	946506	1147645	90.52%	9.479%
22	21.350	3068	3071	3077	rVB6	46676	79251	6.25%	0.655%
23	21.421	3080	3083	3088	rBV	25329	34757	2.74%	0.287%
24	21.662	3119	3124	3130	rBV	474671	611418	48.23%	5.050%
25	24.015	3517	3524	3533	rVB	308472	601467	47.44%	4.968%

Sum of corrected areas: 12106769

LSC Report - Integrated Chromatogram

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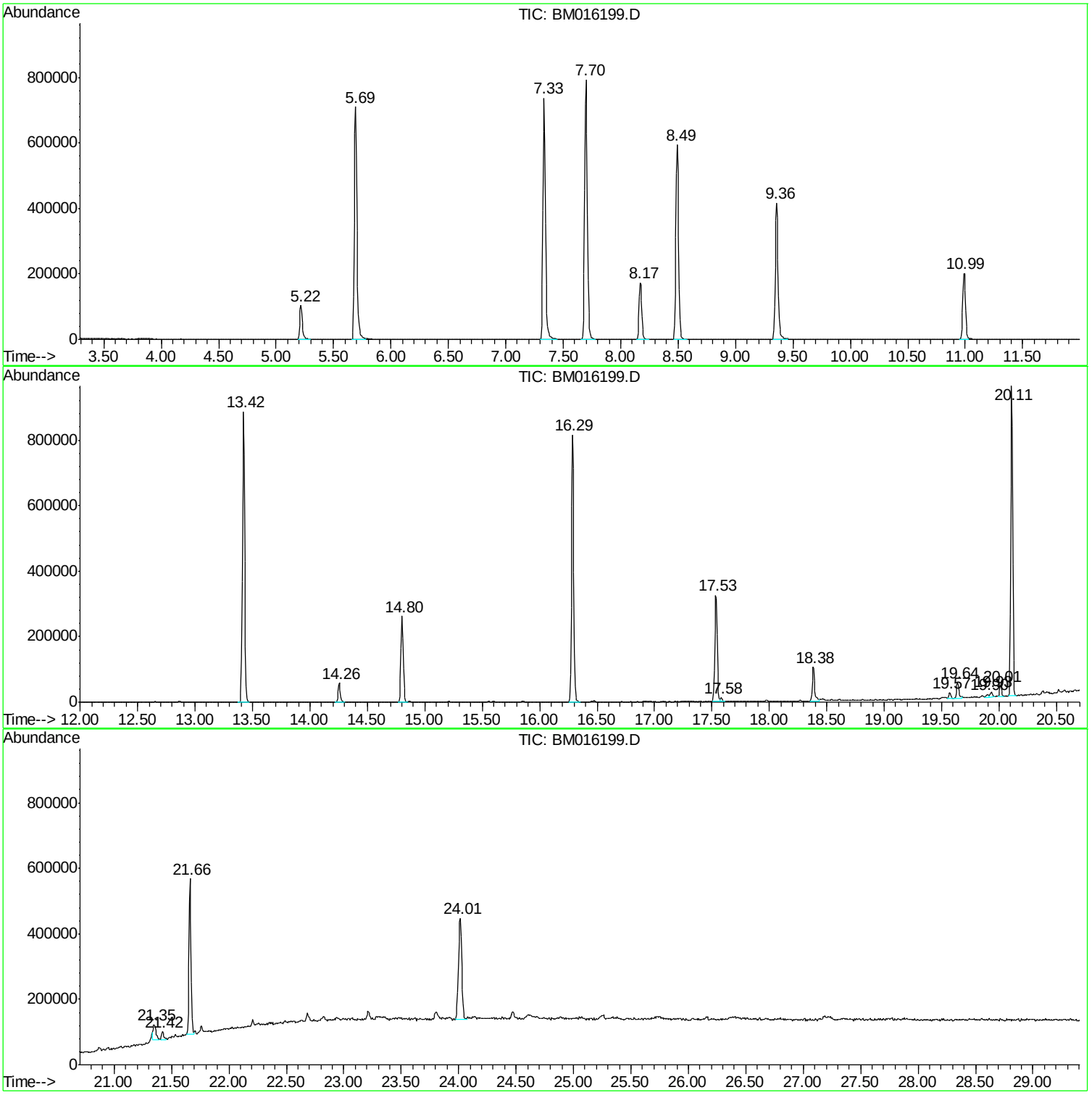
Instrument : BNA_M
ClientSampleId : SOIL-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM072318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

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

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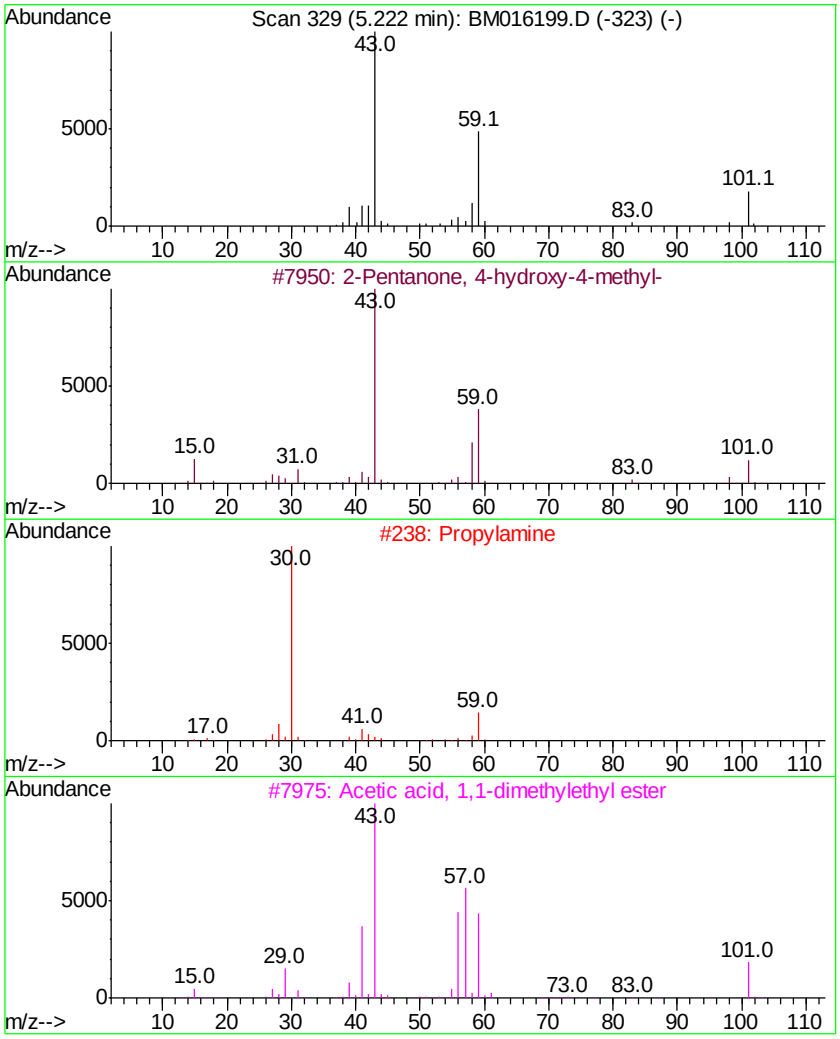
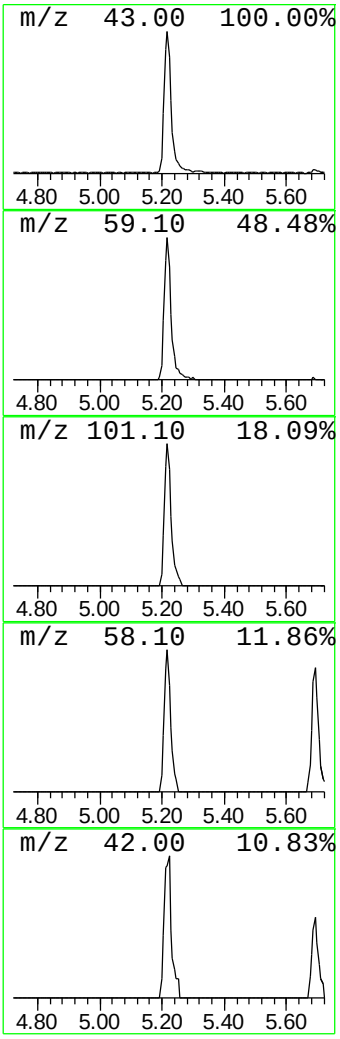
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	11.00 ng	157464	1,4-Dichlorobenzene-d4	8.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Propylamine	59	C3H9N	000107-10-8	40
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
4	2-Nonanone, 9-hydroxy-	158	C9H18O2	025368-56-3	36
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27





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Sample : J4333-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : SOIL-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM072318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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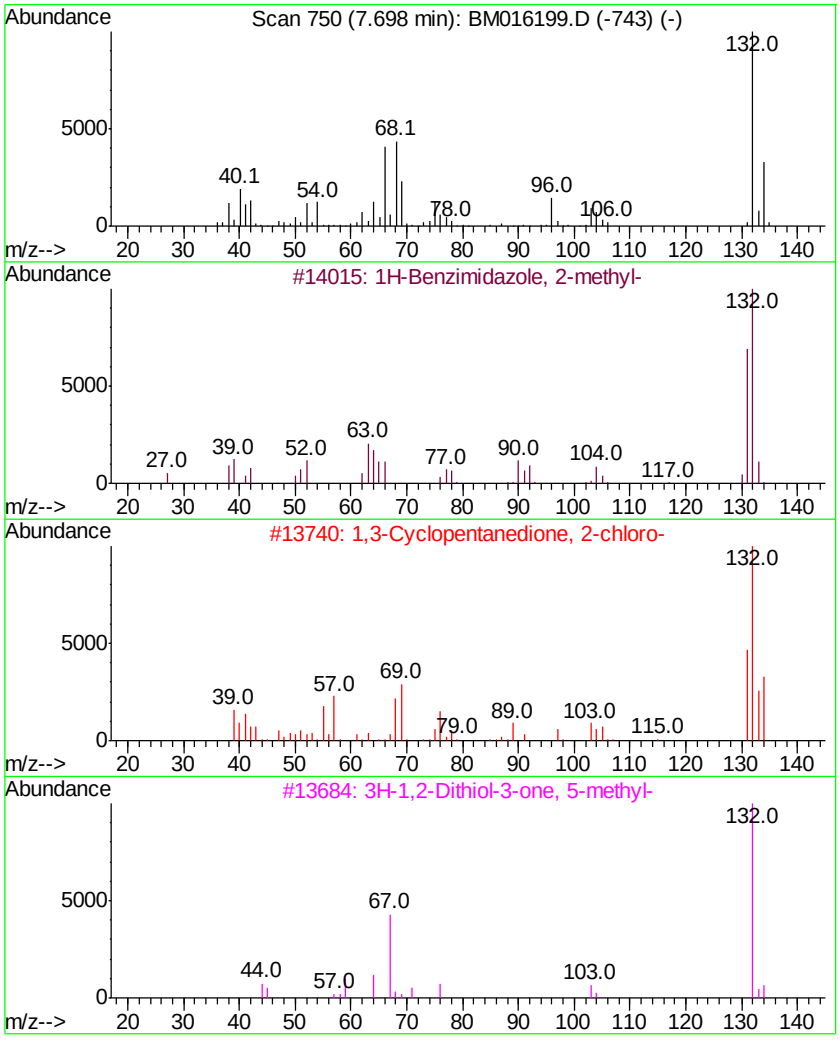
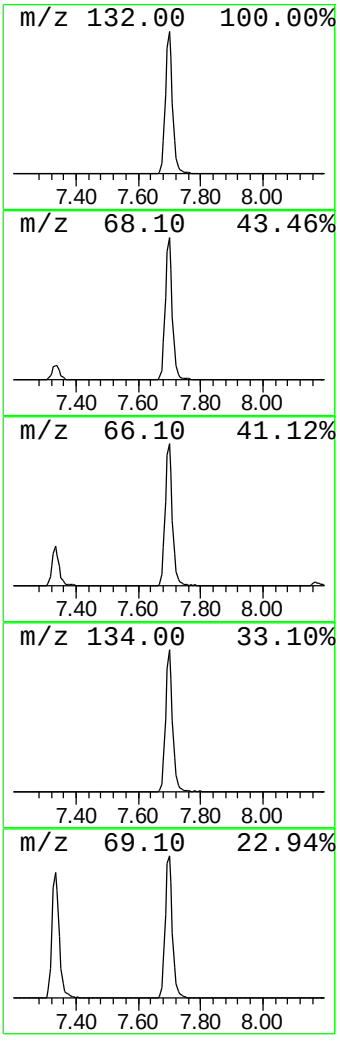
Peak Number 2 unknown7.70 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	88.57 ng	1267810	1,4-Dichlorobenzene-d4	8.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	18
2	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	16
3	3H-1,2-Dithiol-3-one, 5-methyl-	132	C4H4OS2	003620-08-4	14
4	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	14
5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	14





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : SOIL-2

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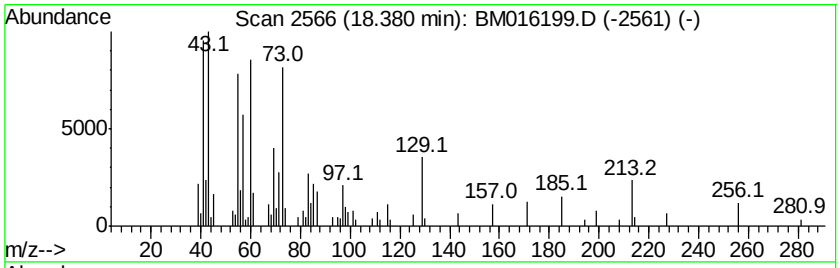
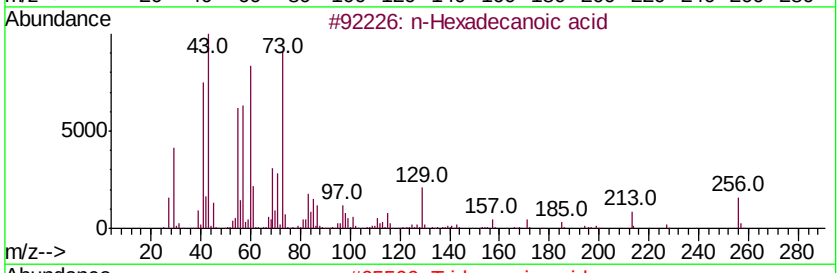
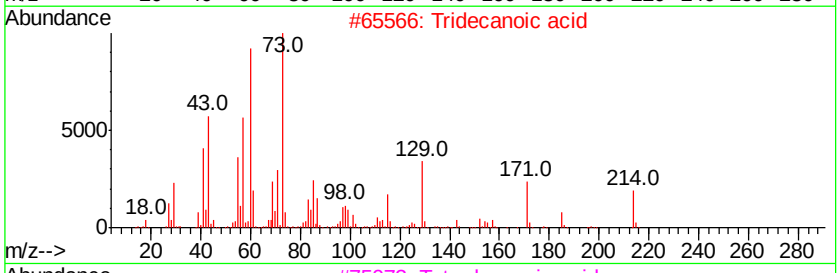
Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

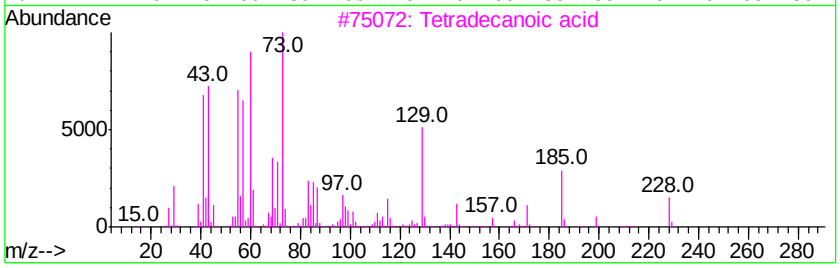
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	6.69 ng	156296	Phenanthrene-d10	17.53

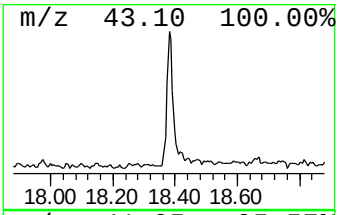
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	92
2	Tridecanoic acid	214	C13H26O2	000638-53-9	58
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	58
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	53
5	n-Decanoic acid	172	C10H20O2	000334-48-5	47

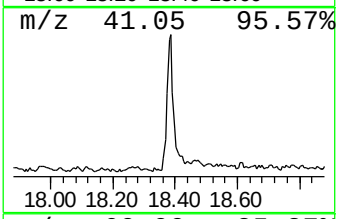


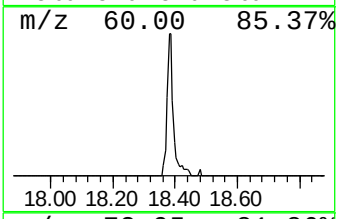


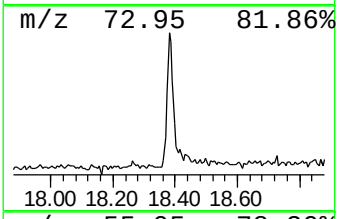


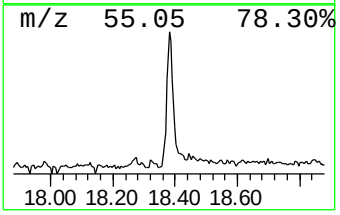












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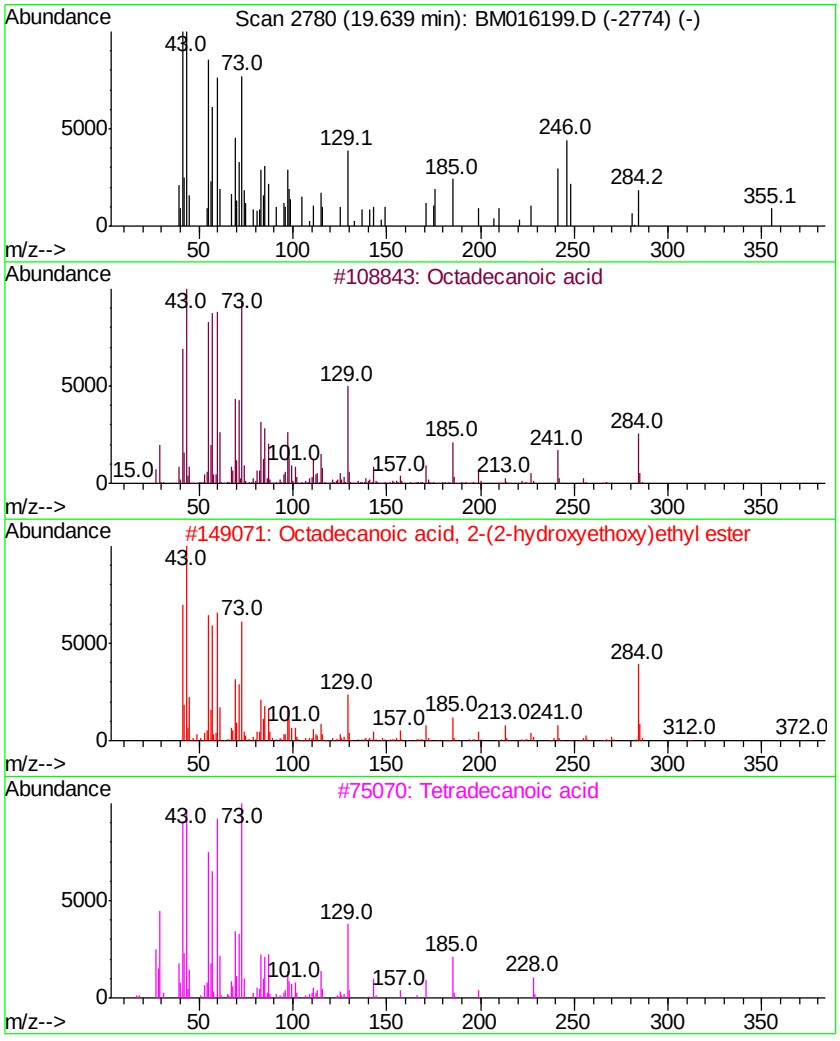
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

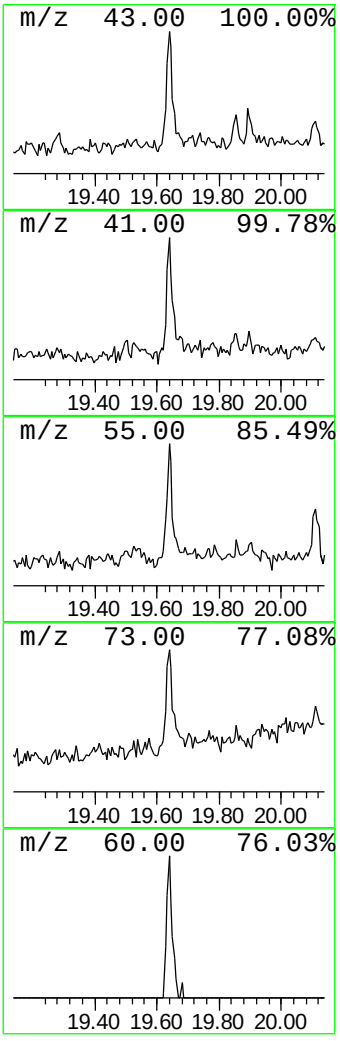
****

Peak Number 5 Octadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.64	2.28 ng	69606	Chrysene-d12	21.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	96
2	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	49
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	45
4	Dodecanoic acid	200	C12H24O2	000143-07-7	35
5	n-Decanoic acid	172	C10H20O2	000334-48-5	35





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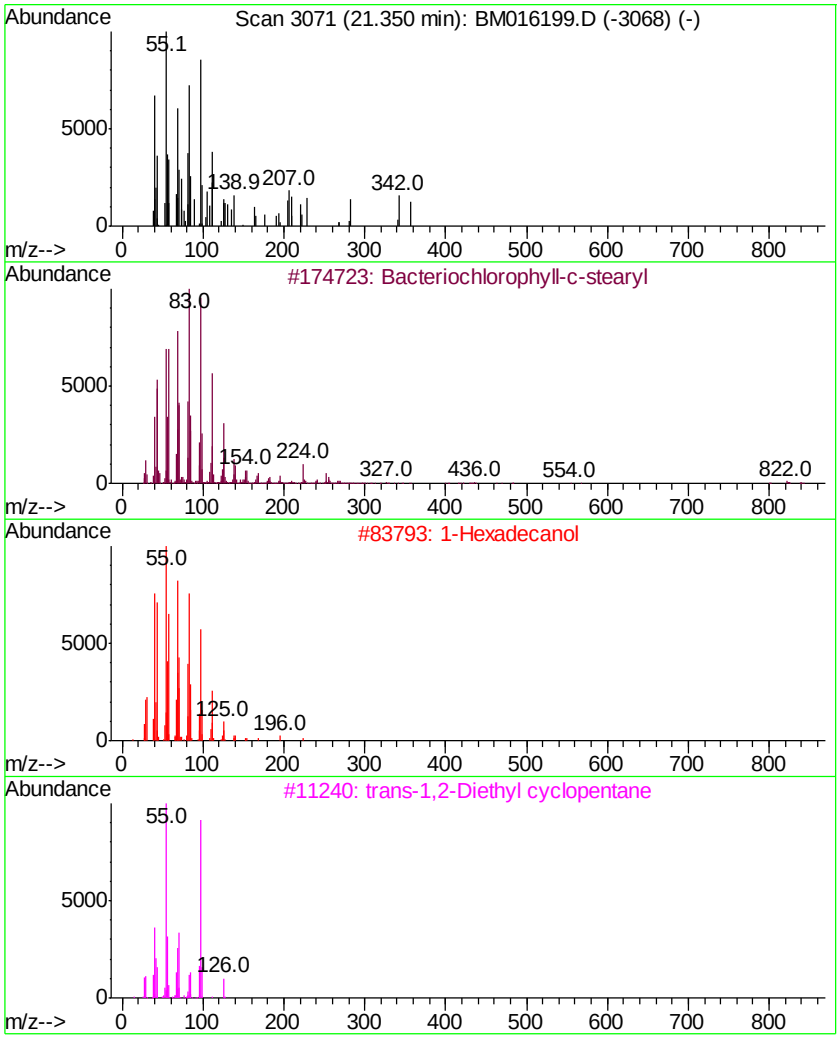
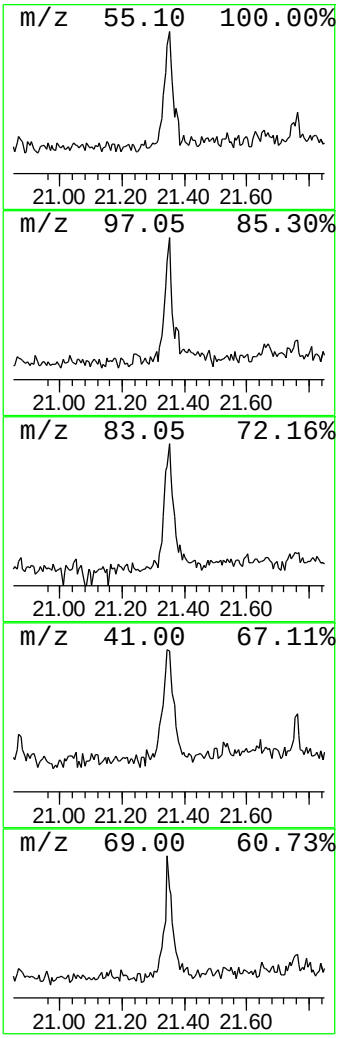
****

Peak Number 6 Bacteriochlorophyll-c-stearyl Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.35	2.59 ng	79251	Chrysene-d12	21.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bacteriochlorophyll-c-stearyl	841	C52H72MgN4O4	1000164-49-7	64
2	1-Hexadecanol	242	C16H34O	036653-82-4	43
3	trans-1,2-Diethyl cyclopentane	126	C9H18	000932-40-1	38
4	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	38
5	Cyclohexane, 1,2-dimethyl-	112	C8H16	000583-57-3	38





Tentatively Identified Compound (LSC) summary

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.22	11.0	ng	157464	1	8.17	286280	20.0
unknown7.70	7.70	88.6	ng	1267810	1	8.17	286280	20.0
n-Hexadecanoic acid	18.38	6.7	ng	156296	4	17.53	467098	20.0
Octadecanoic acid	19.64	2.3	ng	69606	5	21.66	611418	20.0
Bacteriochlorophy...	21.35	2.6	ng	79251	5	21.66	611418	20.0