LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052217\
Data File : BM010119.D
Acq On : 23 May 2017 01:11
Operator : SJ/MA
Sample : I3222-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : EX-14

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:\HPCHEM1\BNA_M\METHODS\8270-BM051917.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	5.081	335	339	350	rBV	240009	339827	3.55%	0.675%
2	5.546	411	418	426	rBV	2640526	3901393	40.78%	7.749%
3	7.151	684	691	704	rBV	2454451	3866990	40.42%	7.681%
4	7.504	742	751	765	rBV	2607676	4092294	42.78%	8.128%
5	7.963	822	829	843	rVB	555228	900421	9.41%	1.788%
6	8.281	876	883	892	rBV	1984164	3248330	33.96%	6.452%
7	9.151	1023	1031	1043	rBV	1336796	2241556	23.43%	4.452%
8	10.769	1295	1306	1315	rBV	625431	1074146	11.23%	2.134%
9	13.216	1714	1722	1733	rBV	3899002	5540310	57.91%	11.004%
10	14.057	1859	1865	1872	rBV	369440	531818	5.56%	1.056%
11	14.592	1950	1956	1968	rBV2	944698	1441213	15.07%	2.863%
12	16.080	2203	2209	2221	rBV	3142924	4379172	45.78%	8.698%
13	17.339	2416	2423	2433	rBV	1341791	1887968	19.74%	3.750%
14	18.186	2562	2567	2575	rBV2	193411	280389	2.93%	0.557%
15	19.456	2779	2783	2791	rVB7	77357	128711	1.35%	0.256%
16	19.939	2859	2865	2871	rBV	8124220	9566353	100.00%	19.001%
17	21.145	3067	3070	3074	rBV2	189501	252299	2.64%	0.501%
18	21.497	3125	3130	3136	rBV	2258307	2855671	29.85%	5.672%
19	21.580	3141	3144	3148	rVB	314917	310930	3.25%	0.618%
20	22.027	3217	3220	3225	rVB	281412	302056	3.16%	0.600%
21	23.862	3526	3532	3541	rVB	1636841	3204238	33.49%	6.364%

Sum of corrected areas: 50346085

LSC Report - Integrated Chromatogram

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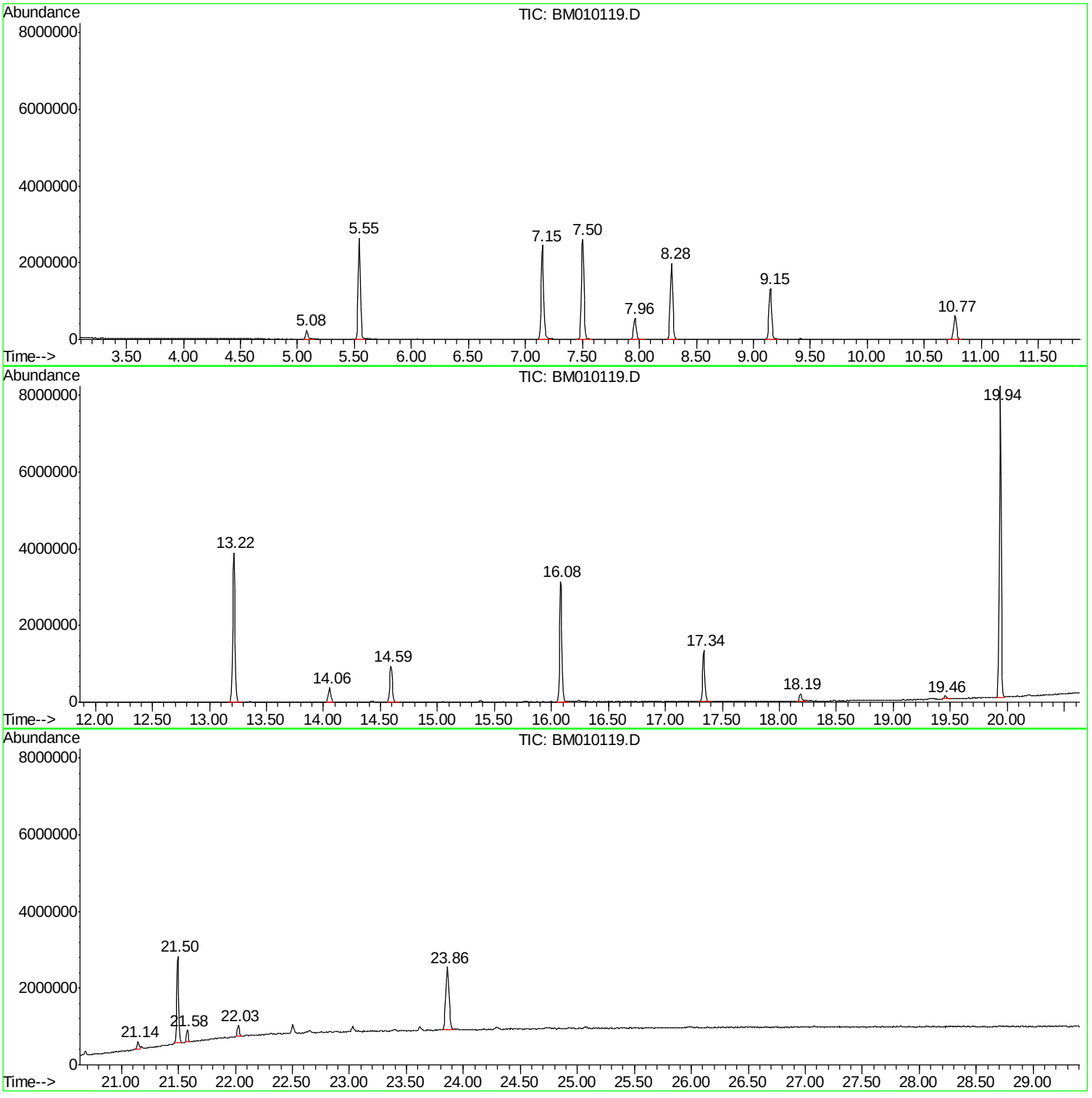
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : EX-14

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM051917.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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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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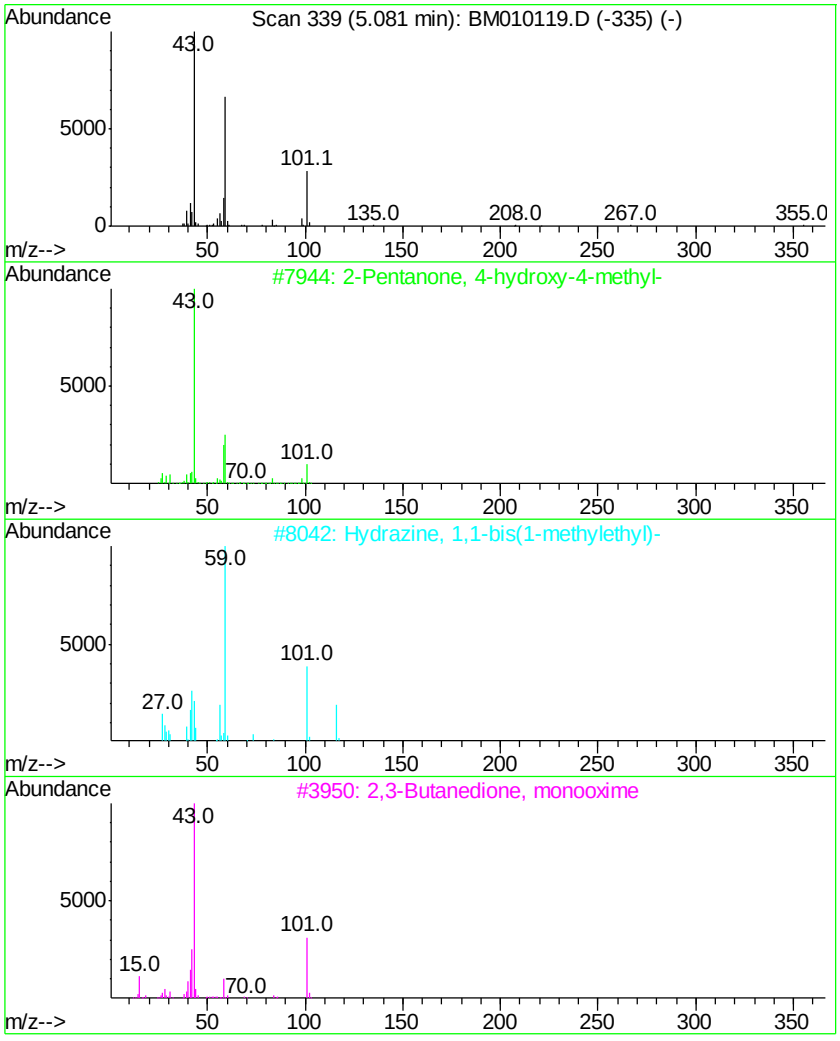
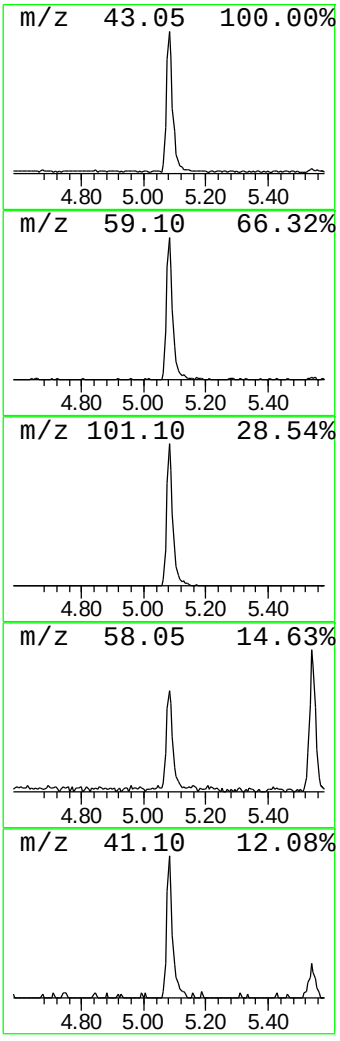
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	7.55 ng	339827	1,4-Dichlorobenzene-d4	7.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	38
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
4	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	17
5	Ether, hexyl t-butyl	158	C10H22O	069775-79-7	17





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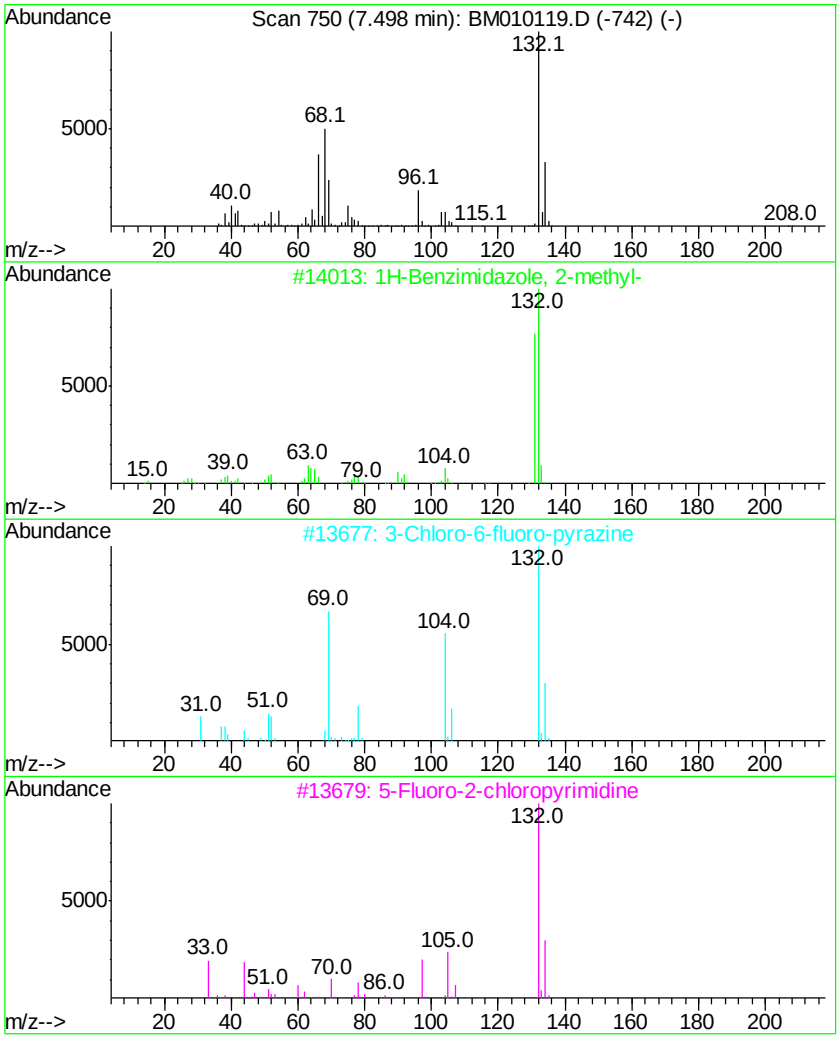
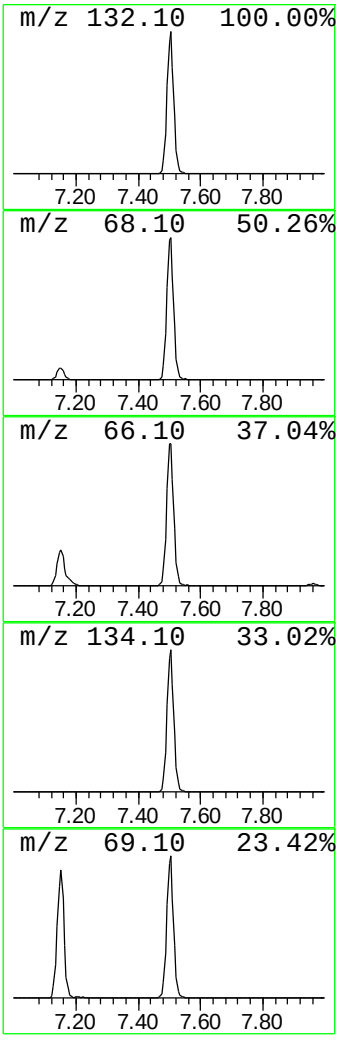
Peak Number 2 unknown7.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.50	90.90 ng	4092290	1,4-Dichlorobenzene-d4	7.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	10
5	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	10





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Instrument : BNA_M
ClientSampleId : EX-14

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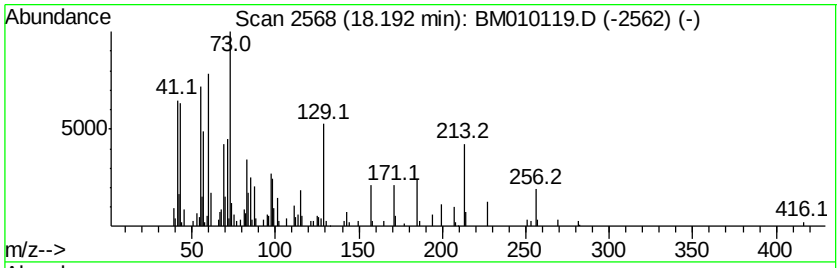
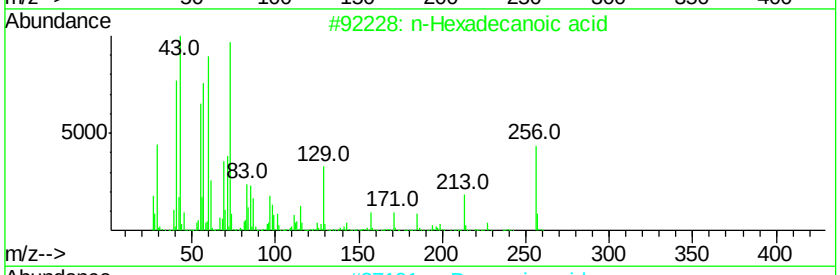
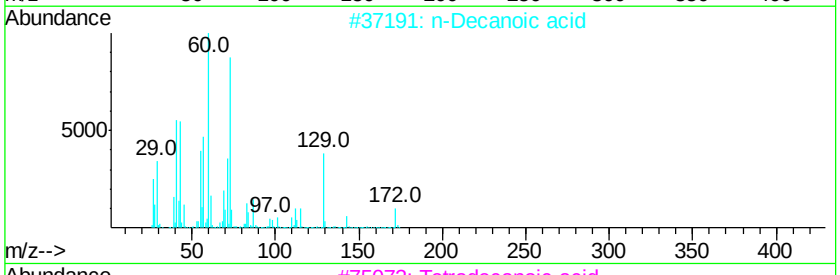
Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

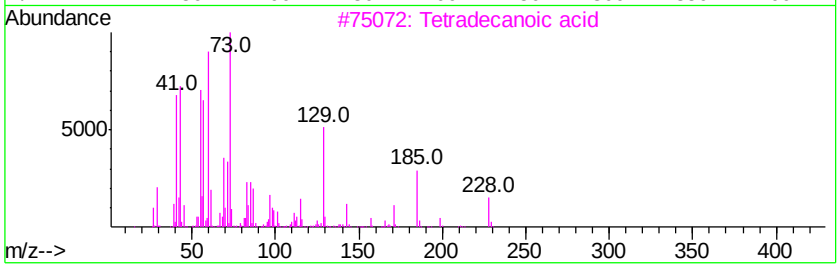
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	2.97 ng	280389	Phenanthrene-d10	17.34

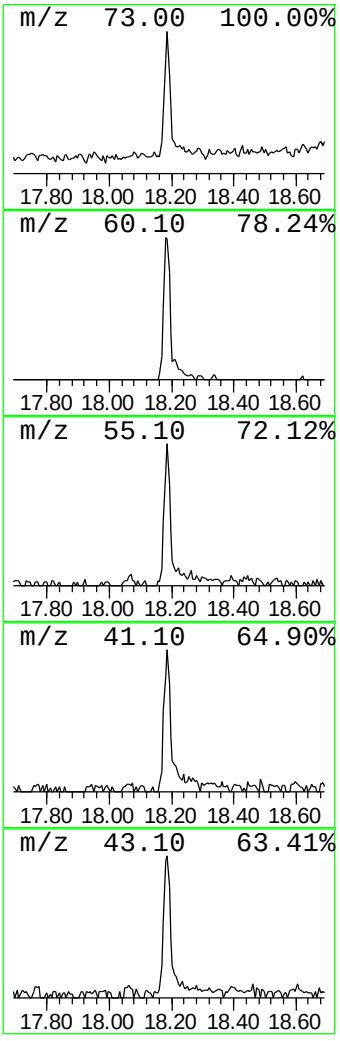
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	n-Decanoic acid	172	C10H20O2	000334-48-5	53
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	53
4	Tridecanoic acid	214	C13H26O2	000638-53-9	38
5	Dodecanoic acid	200	C12H24O2	000143-07-7	35











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

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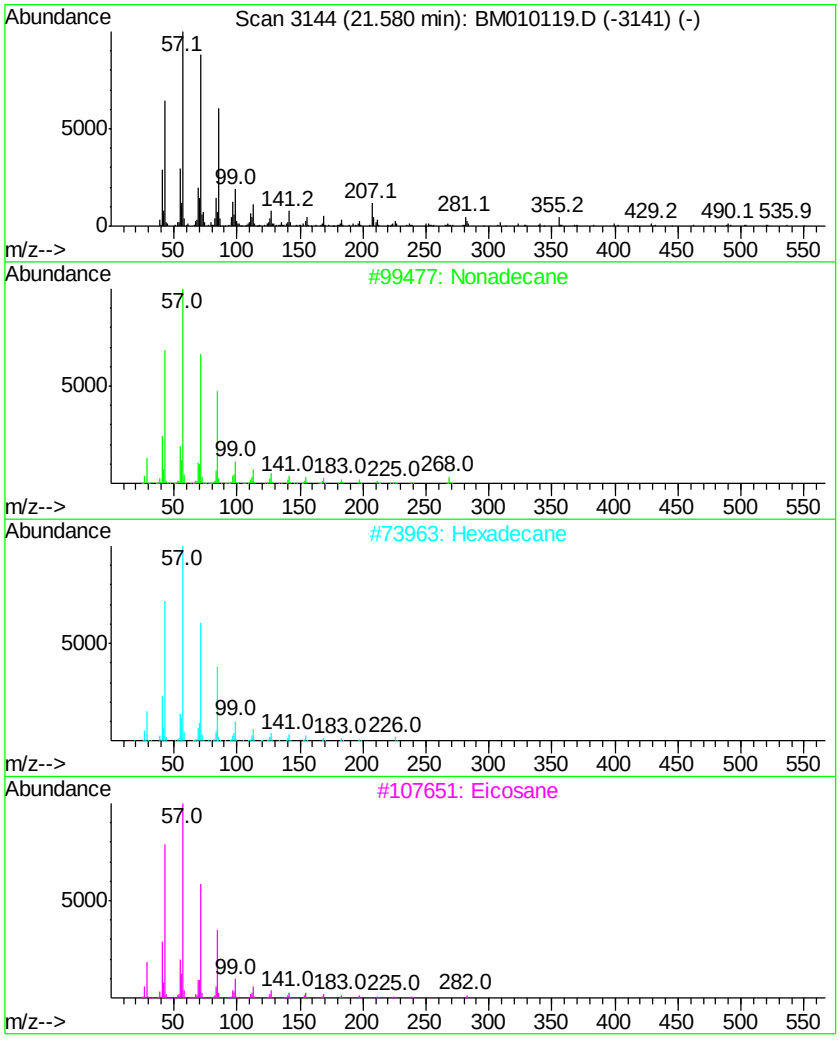
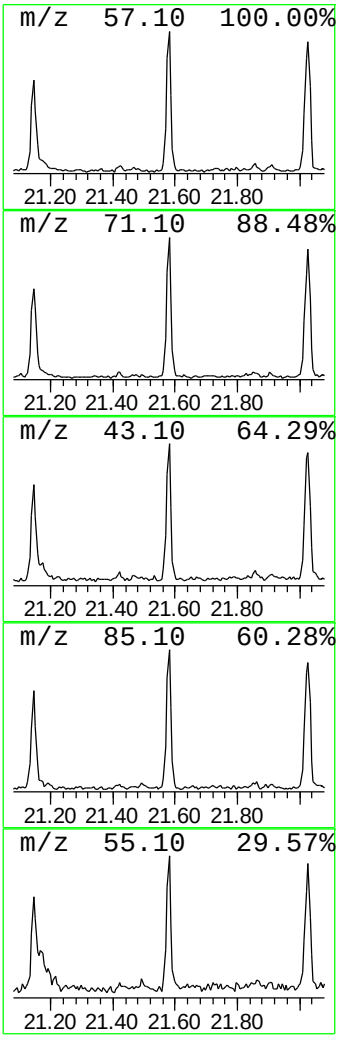
Peak Number 5 Nonadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.58	2.18 ng	310930	Chrysene-d12	21.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	95
2	Hexadecane	226	C16H34	000544-76-3	91
3	Eicosane	282	C20H42	000112-95-8	91
4	Triacontane	422	C30H62	000638-68-6	87
5	Tetratriacontane	479	C34H70	014167-59-0	87





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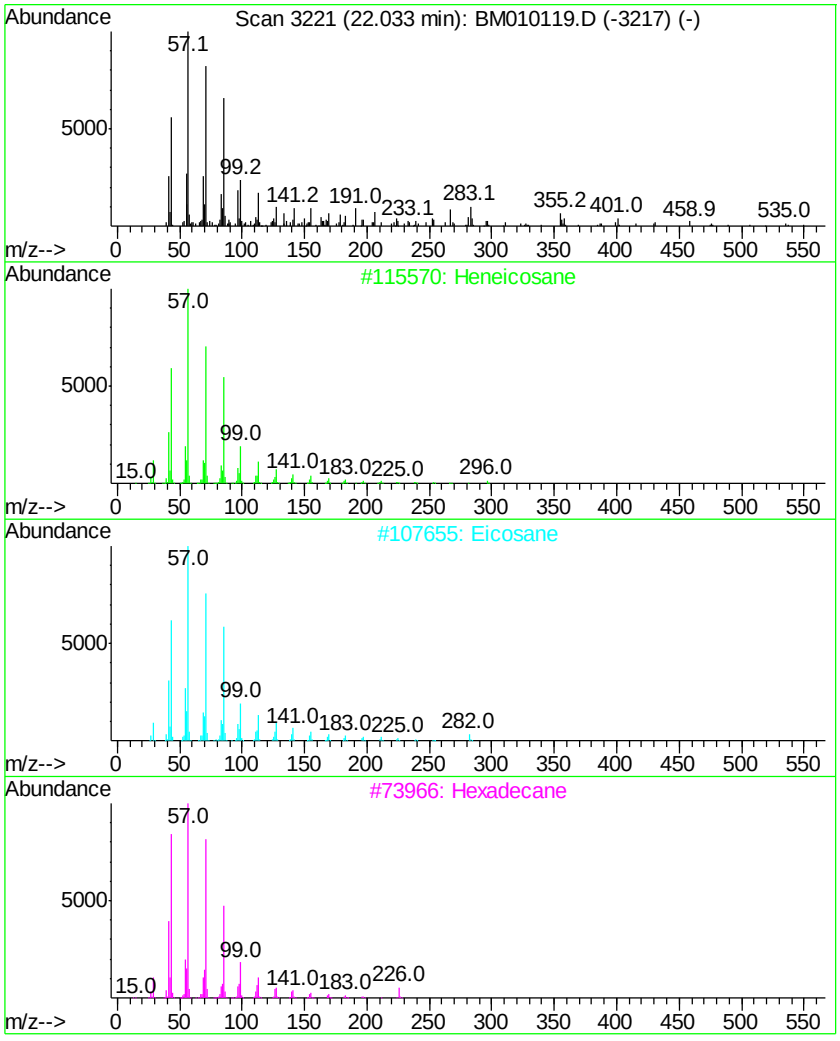
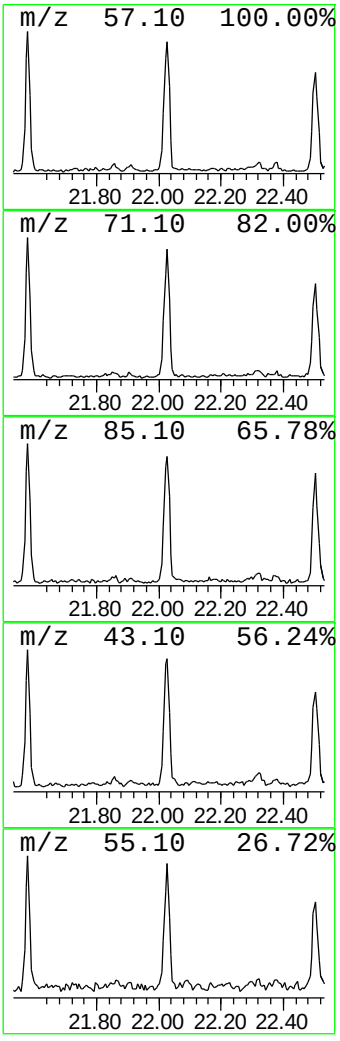
Peak Number 6 Heneicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.03	2.12 ng	302056	Chrysene-d12	21.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	96
2	Eicosane	282	C20H42	000112-95-8	91
3	Hexadecane	226	C16H34	000544-76-3	87
4	Dodecane, 2-methyl-	184	C13H28	001560-97-0	87
5	Tetratetracontane	619	C44H90	007098-22-8	83





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...	5.08	7.5	ng	339827	1	7.96	900421	20.0
unknown7.50	7.50	90.9	ng	4092290	1	7.96	900421	20.0
n-Hexadecanoic acid	18.19	3.0	ng	280389	4	17.34	1887970	20.0
Nonadecane	21.58	2.2	ng	310930	5	21.50	2855670	20.0
Heneicosane	22.03	2.1	ng	302056	5	21.50	2855670	20.0