LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112217\
Data File : BM013095.D
Acq On : 22 Nov 2017 20:55
Operator : SJ/JU
Sample : I6514-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC7

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\SOM-EPA-BM111617.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	3.246	23	27	36	rVB	95843	127628	2.11%	0.177%
2	3.963	143	149	161	rVB	2152325	2963575	49.11%	4.113%
3	6.887	639	646	656	rBV	1145069	1933883	32.05%	2.684%
4	7.051	668	674	681	rBV	896143	1314180	21.78%	1.824%
5	7.246	701	707	715	rVB	1197705	1858066	30.79%	2.578%
6	7.710	779	786	793	rBV	929480	1453498	24.09%	2.017%
7	8.416	899	906	914	rBV	1388118	2233745	37.02%	3.100%
8	8.863	974	982	989	rBV	1215737	1946696	32.26%	2.701%
9	9.581	1097	1104	1116	rVB	1073288	1721219	28.52%	2.389%
10	10.116	1186	1195	1205	rBV	1578114	2526968	41.87%	3.507%
11	10.492	1252	1259	1267	rBV	1296215	2097398	34.76%	2.911%
12	10.634	1275	1283	1297	rBV	1425133	2397123	39.72%	3.326%
13	13.180	1711	1716	1722	rBV	45945	60486	1.00%	0.084%
14	13.769	1809	1816	1820	rBV	3056628	4188588	69.41%	5.812%
15	13.810	1820	1823	1832	rVB	433313	602907	9.99%	0.837%
16	14.045	1853	1863	1872	rBV	3164409	4697721	77.85%	6.519%
17	14.263	1894	1900	1907	rBV	155797	201931	3.35%	0.280%
18	14.351	1907	1915	1924	rBV2	1826735	2788084	46.20%	3.869%
19	14.563	1943	1951	1961	rBV	1117417	1679012	27.82%	2.330%
20	14.880	1999	2005	2012	rVB5	37611	60833	1.01%	0.084%
21	15.216	2058	2062	2067	rVB	184259	220581	3.66%	0.306%
22	15.345	2076	2084	2091	rVB	3879613	5617258	93.08%	7.795%
23	15.463	2098	2104	2121	rBV	1143709	1596194	26.45%	2.215%
24	15.586	2121	2125	2129	rVV3	49802	90564	1.50%	0.126%
25	16.080	2204	2209	2217	rBV	108740	159315	2.64%	0.221%
26	17.098	2374	2382	2390	rBV	2180596	3054784	50.62%	4.239%
27	17.198	2392	2399	2412	rVB	4365548	6034632	100.00%	8.374%
28	18.004	2530	2536	2546	rBV	507607	730643	12.11%	1.014%
29	19.127	2722	2727	2731	rBV2	44820	77585	1.29%	0.108%
30	19.286	2750	2754	2763	rBV	446720	637566	10.57%	0.885%
31	19.492	2783	2789	2795	rVB	4406563	5992138	99.30%	8.315%
32	21.003	3042	3046	3052	rBV	258929	320752	5.32%	0.445%
33	21.280	3088	3093	3099	rVB	2060147	2626180	43.52%	3.644%
34	22.350	3271	3275	3277	rVB5	75000	101495	1.68%	0.141%

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Title : SVOA CALIBRATION

35	22.850	3357	3360	3366	rVB3	114626	169566	2.81%	0.235%
36	23.368	3441	3448	3455	rBV	2684210	4962525	82.23%	6.886%
37	23.421	3455	3457	3462	rVV3	177222	218347	3.62%	0.303%
38	23.509	3466	3472	3481	rVB	1256509	2329649	38.60%	3.233%
39	24.068	3563	3567	3573	rVB3	160472	268747	4.45%	0.373%

Sum of corrected areas: 72062062

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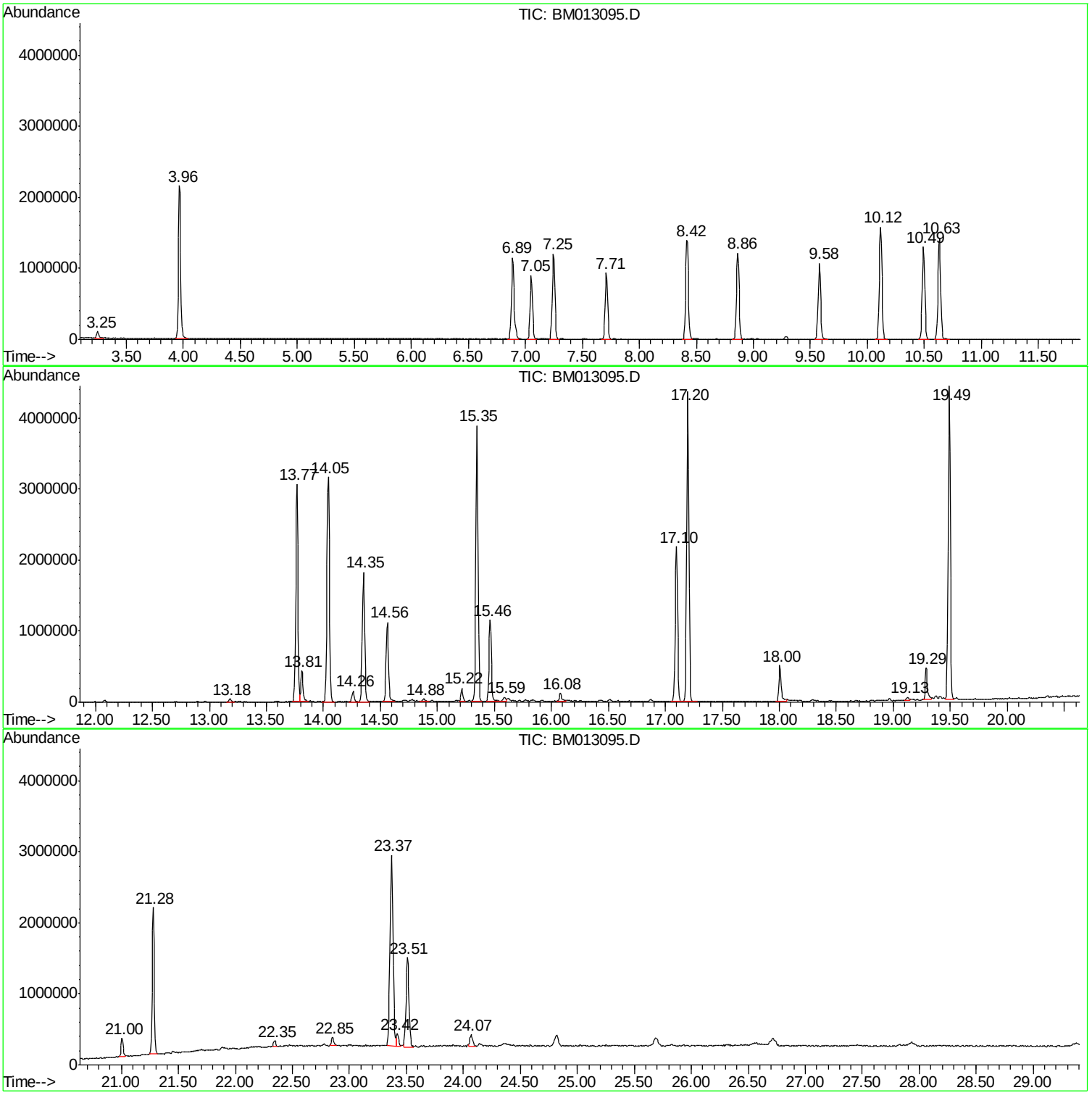
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

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



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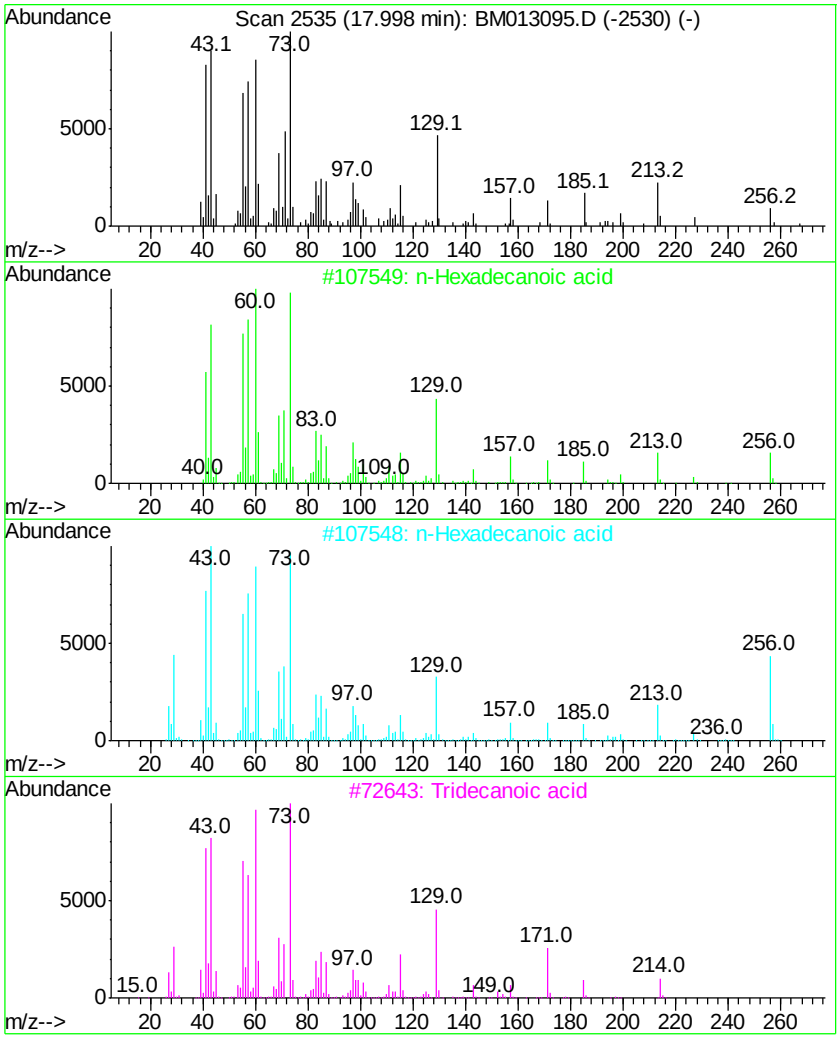
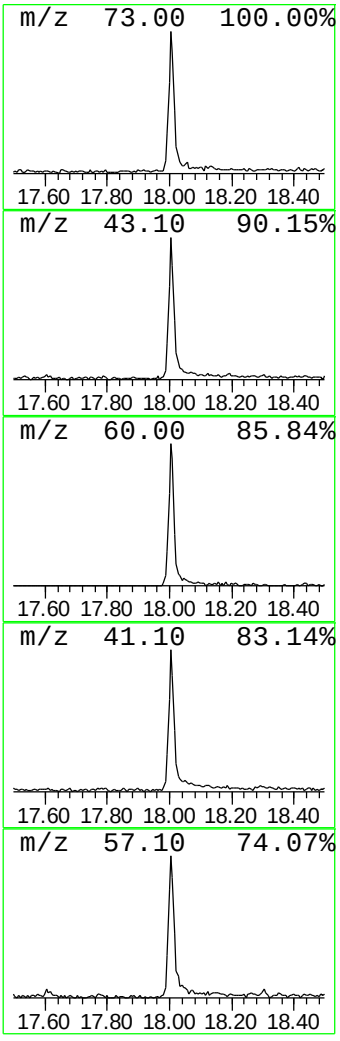
Peak Number 2 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	4.78 ng/ul	730643	Phenanthrene-d10	17.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
3	Tridecanoic acid	214	C13H26O2	000638-53-9	90
4	Tridecanoic acid	214	C13H26O2	000638-53-9	90
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	81





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Instrument : BNA_M
ClientSampleId : C0AC7

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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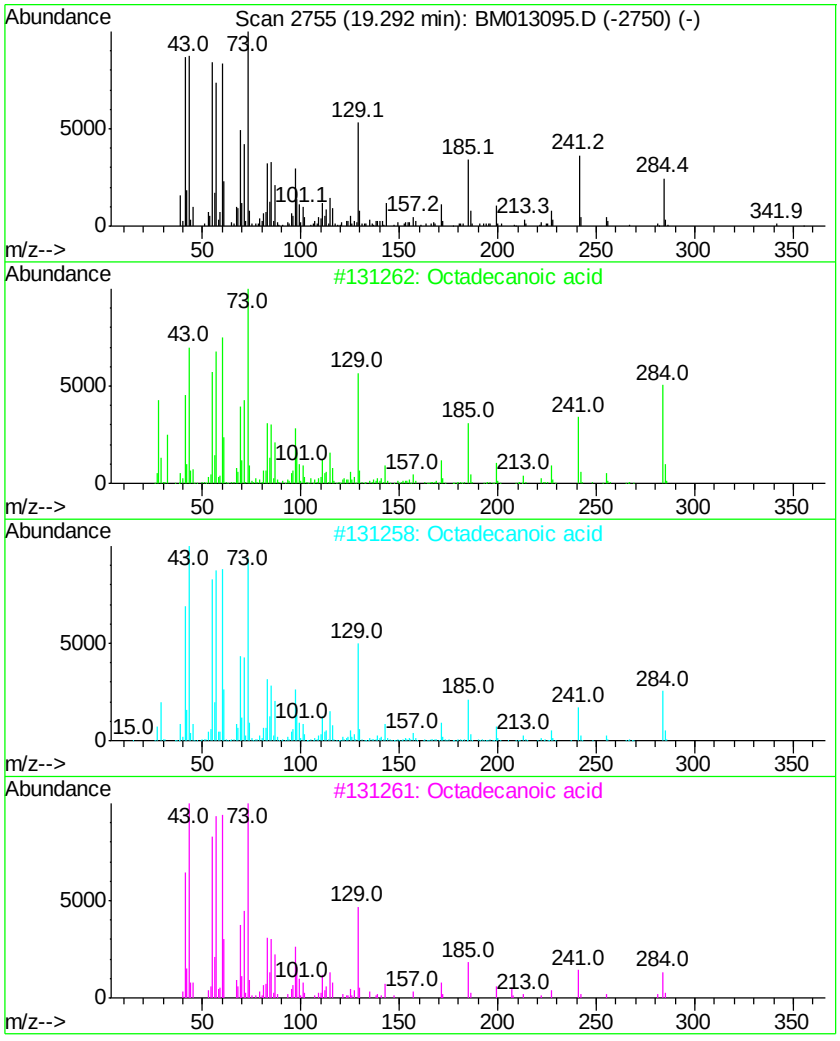
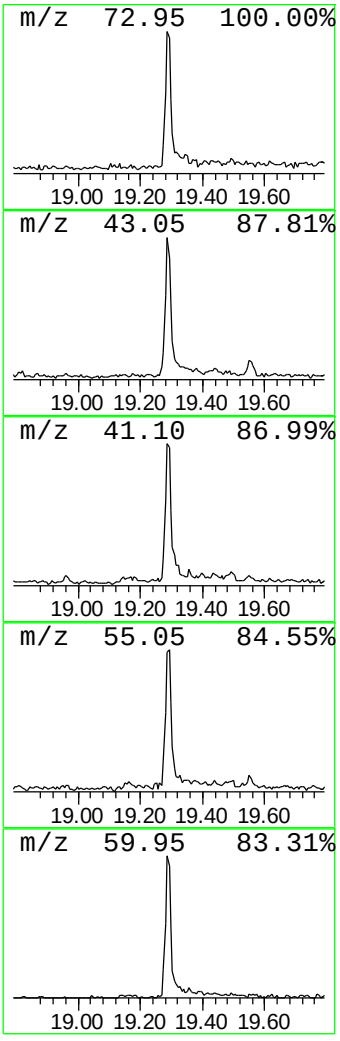
Peak Number 3 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.29	4.86 ng/ul	637566	Chrysene-d12	21.28

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	99
3	Octadecanoic acid	284	C18H36O2	000057-11-4	98
4	Octadecanoic acid	284	C18H36O2	000057-11-4	95
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94





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Sample : I6514-06
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ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111617.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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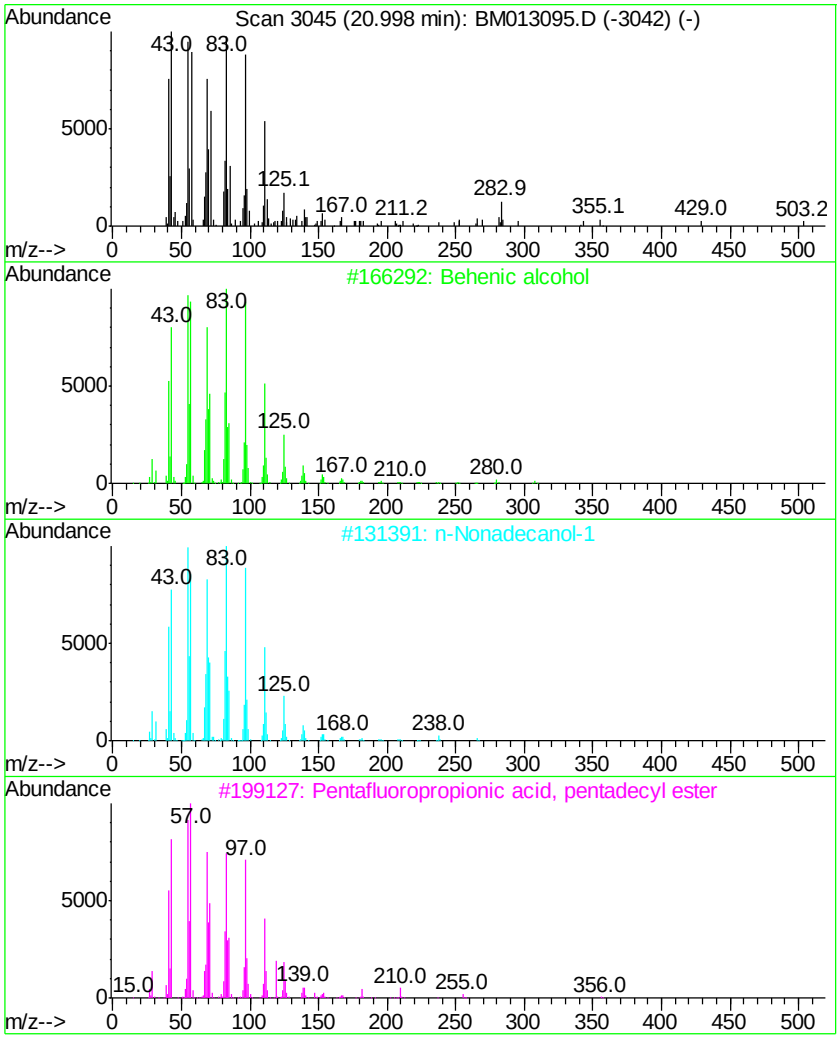
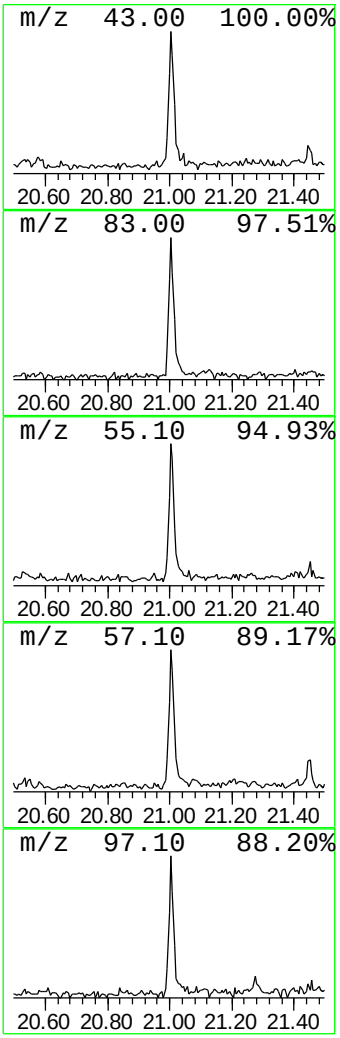
Peak Number 4 Behenic alcohol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.00	2.44 ng/ul	320752	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Behenic alcohol	326	C22H46O	000661-19-8	94
2	n-Nonadecanol-1	284	C19H40O	001454-84-8	94
3	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	94
4	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	91
5	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	91





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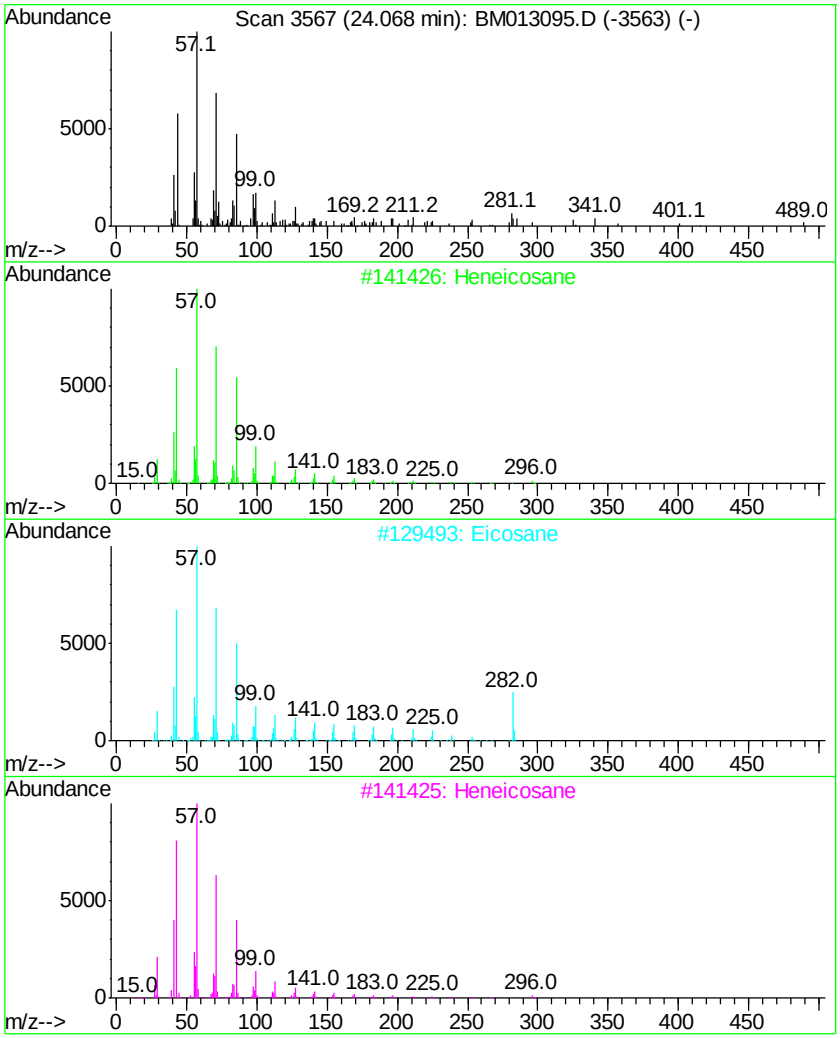
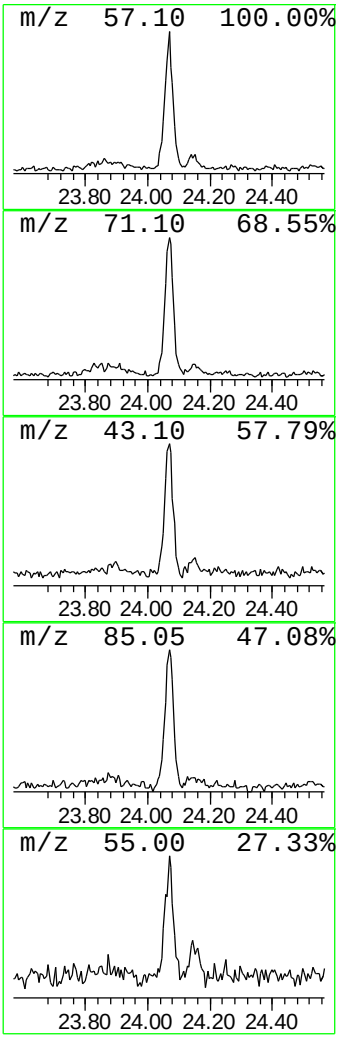
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.07	2.31 ng/ul	268747	Perylene-d12	23.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	93
2	Eicosane	282	C20H42	000112-95-8	87
3	Heneicosane	296	C21H44	000629-94-7	81
4	Eicosane	282	C20H42	000112-95-8	81
5	Eicosane, 2-methyl-	296	C21H44	001560-84-5	81





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
n-Hexadecanoic acid	18.00	4.8	ng/ul	730643	4	17.10	3054780	20.0
Octadecanoic acid	19.29	4.9	ng/ul	637566	5	21.28	2626180	20.0
Behenic alcohol	21.00	2.4	ng/ul	320752	5	21.28	2626180	20.0
(DEL) Alkane: Str...	24.07	2.3	ng/ul	268747	6	23.51	2329650	20.0