LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020217\
Data File : BM008959.D
Acq On : 02 Feb 2017 13:17
Operator : SJ/MA
Sample : I1449-12
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : H0FJ4

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	4.328	290	296	301	rBV6	10556	18446	1.15%	0.099%
2	7.063	755	761	774	rBV3	241782	462858	28.73%	2.487%
3	7.245	784	792	798	rBV	150778	239068	14.84%	1.285%
4	7.440	818	825	832	rBV2	216110	348684	21.65%	1.874%
5	7.916	899	906	913	rBV	334147	537567	33.37%	2.889%
6	8.604	1015	1023	1031	rVB2	255222	421432	26.16%	2.265%
7	9.081	1093	1104	1111	rVB	247985	418272	25.97%	2.248%
8	9.798	1218	1226	1233	rBV2	219458	366487	22.75%	1.970%
9	10.328	1309	1316	1324	rBV	279998	456571	28.34%	2.454%
10	10.716	1375	1382	1393	rBV2	385471	649108	40.30%	3.488%
11	10.851	1398	1405	1416	rBV	239210	418668	25.99%	2.250%
12	13.563	1859	1866	1872	rBV5	14061	19114	1.19%	0.103%
13	13.816	1905	1909	1913	rBV2	15857	18901	1.17%	0.102%
14	13.957	1927	1933	1937	rBV	521915	735062	45.63%	3.950%
15	13.998	1937	1940	1946	rVB	89831	116760	7.25%	0.627%
16	14.245	1974	1982	1991	rBV	403325	579881	36.00%	3.116%
17	14.551	2028	2034	2040	rBV	551920	784464	48.70%	4.216%
18	14.733	2059	2065	2074	rBV	345011	506526	31.45%	2.722%
19	15.380	2170	2175	2178	rVB2	21525	30648	1.90%	0.165%
20	15.545	2195	2203	2208	rBV	639330	899896	55.87%	4.836%
21	15.657	2216	2222	2230	rVB	302569	427400	26.53%	2.297%
22	15.780	2233	2243	2248	rBV5	14100	28891	1.79%	0.155%
23	16.239	2317	2321	2329	rBV3	37271	61372	3.81%	0.330%
24	17.004	2447	2451	2453	rBV3	15382	20492	1.27%	0.110%
25	17.033	2453	2456	2460	rVV	34334	42263	2.62%	0.227%
26	17.080	2460	2464	2469	rVB5	13026	20832	1.29%	0.112%
27	17.298	2493	2501	2507	rBV2	655598	947253	58.81%	5.091%
28	17.398	2512	2518	2523	rVB	770680	1093424	67.88%	5.876%
29	17.774	2577	2582	2585	rBV5	13157	17421	1.08%	0.094%
30	18.168	2642	2649	2655	rBV2	189329	255001	15.83%	1.370%
31	19.139	2812	2814	2819	rBV4	15567	18705	1.16%	0.101%
32	19.303	2837	2842	2843	rBV3	16088	20763	1.29%	0.112%
33	19.439	2861	2865	2872	rBV2	120509	149164	9.26%	0.802%
34	19.686	2901	2907	2914	rVB	1077835	1423217	88.35%	7.649%

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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

35	19.927	2944	2948	2953	rBV4	81159	98278	6.10%	0.528%
36	20.168	2985	2989	2997	rVB10	10241	21192	1.32%	0.114%
37	20.380	3021	3025	3028	rBV3	48446	61415	3.81%	0.330%
38	20.550	3049	3054	3057	rBV2	865287	1050037	65.19%	5.643%
39	20.586	3057	3060	3067	rVB4	186716	269500	16.73%	1.448%
40	20.686	3075	3077	3082	rVB5	17508	20205	1.25%	0.109%
41	21.121	3148	3151	3152	rBV3	22339	19258	1.20%	0.103%
42	21.156	3153	3157	3163	rVV3	196314	274727	17.06%	1.476%
43	21.262	3172	3175	3177	rBV4	29994	34785	2.16%	0.187%
44	21.362	3188	3192	3195	rBV6	54281	76466	4.75%	0.411%
45	21.462	3204	3209	3215	rVB	939659	1245012	77.29%	6.691%
46	22.015	3301	3303	3306	rBV4	47354	47540	2.95%	0.255%
47	22.527	3388	3390	3394	rVB5	57959	55702	3.46%	0.299%
48	23.668	3578	3584	3591	rVB2	834327	1610800	100.00%	8.657%
49	23.821	3603	3610	3620	rVB2	591493	1167842	72.50%	6.276%

Sum of corrected areas: 18607370

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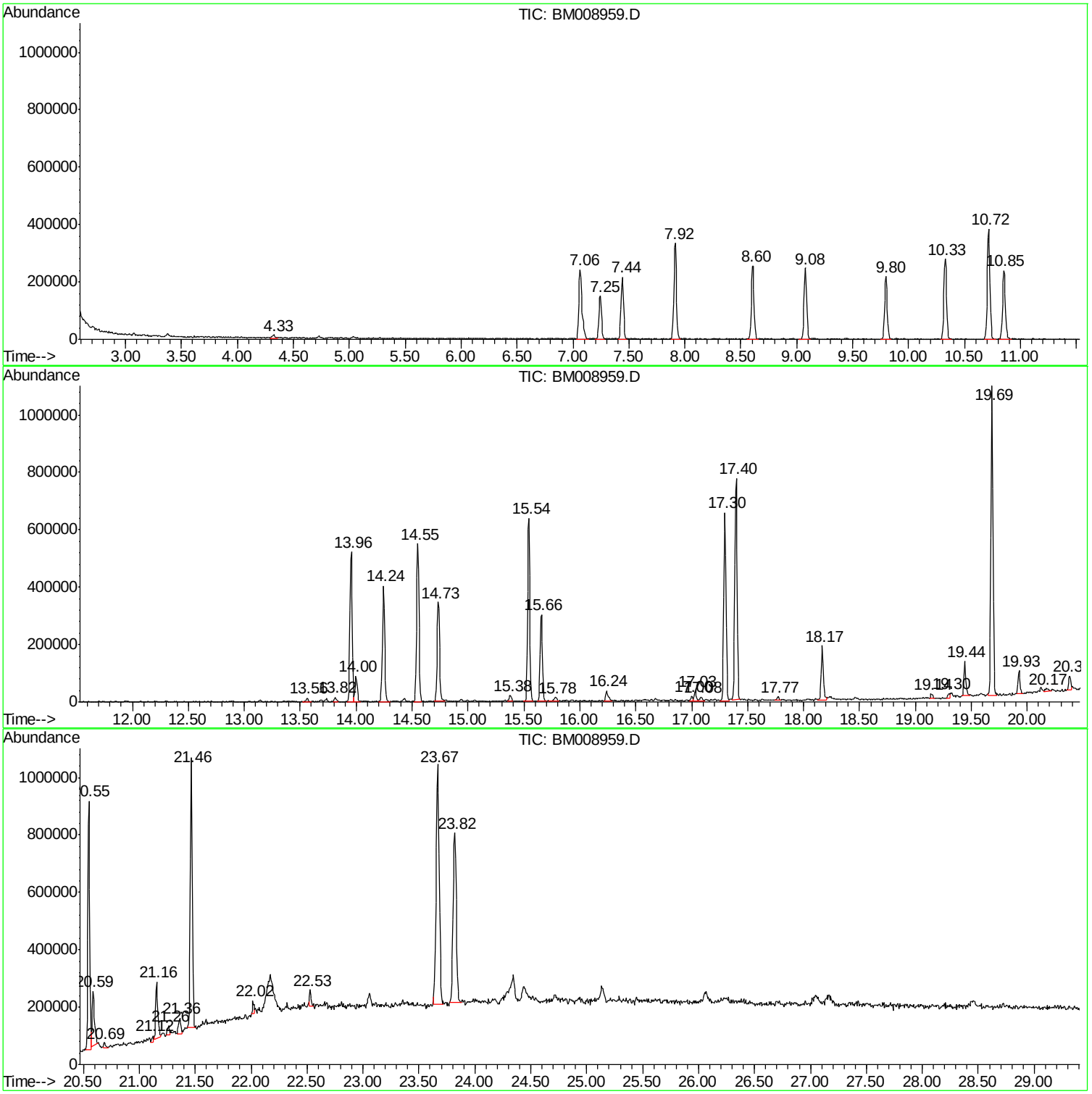
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM013017.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : H0FJ4

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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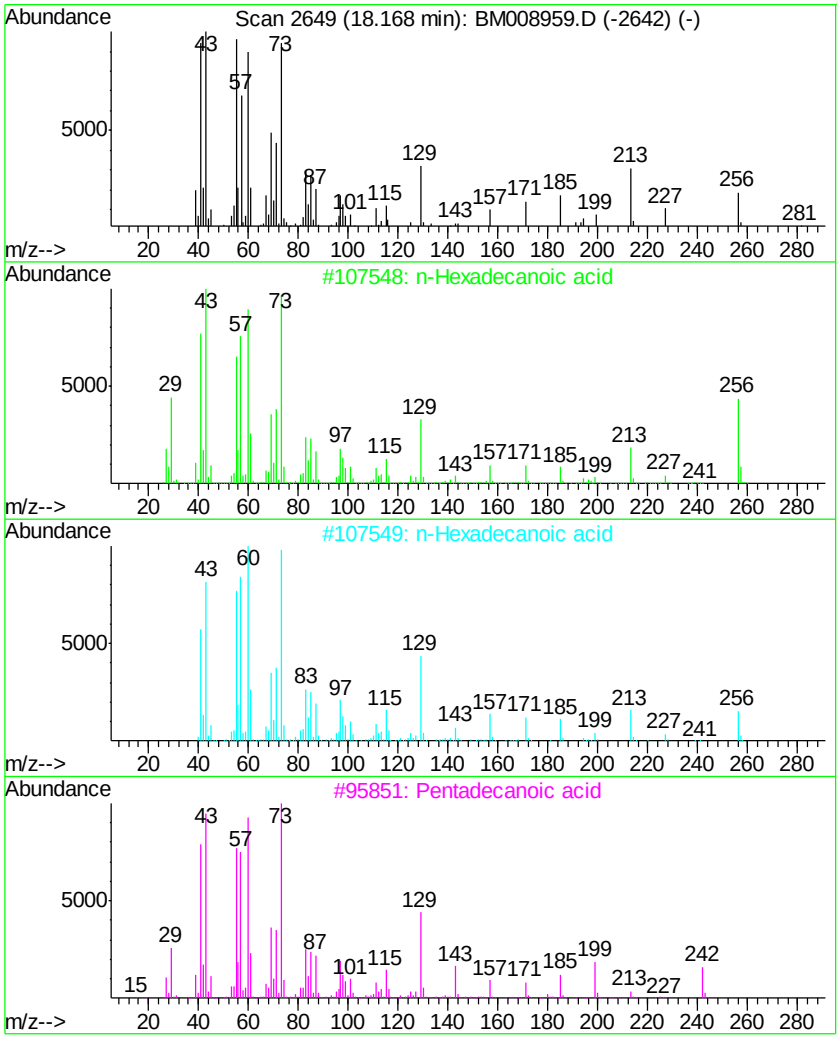
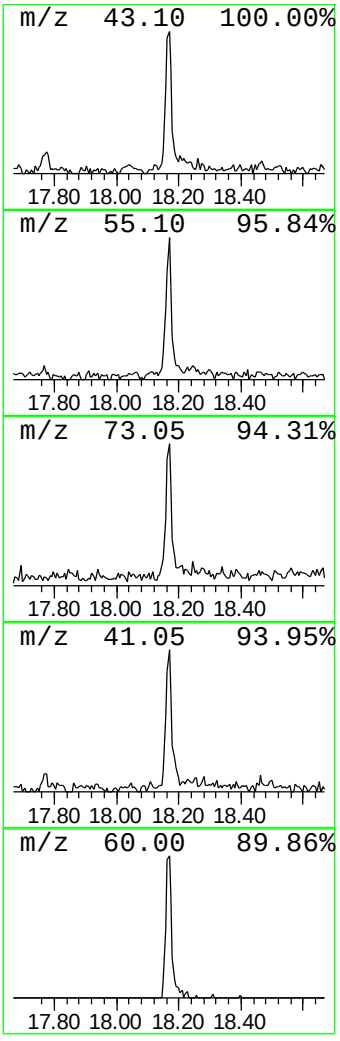
Peak Number 1 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	5.38 ng/ul	255001	Phenanthrene-d10	17.30

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	98
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Undecanoic acid	186	C11H22O2	000112-37-8	80
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	70





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : H0FJ4

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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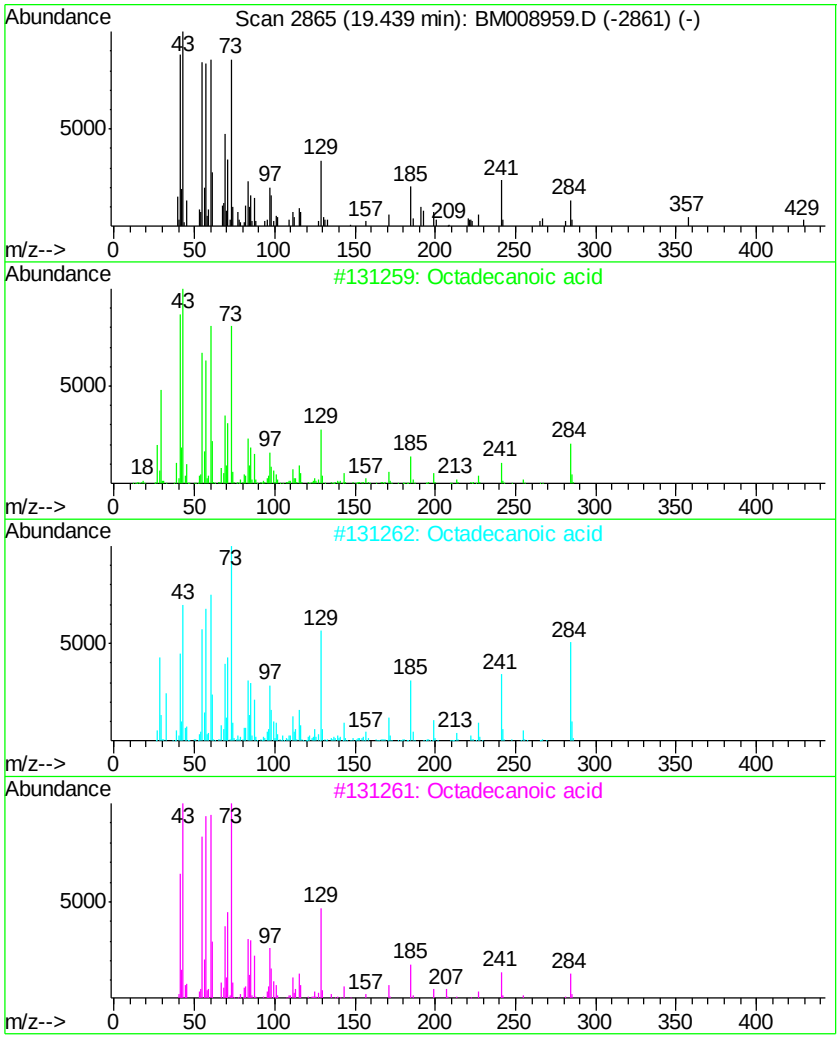
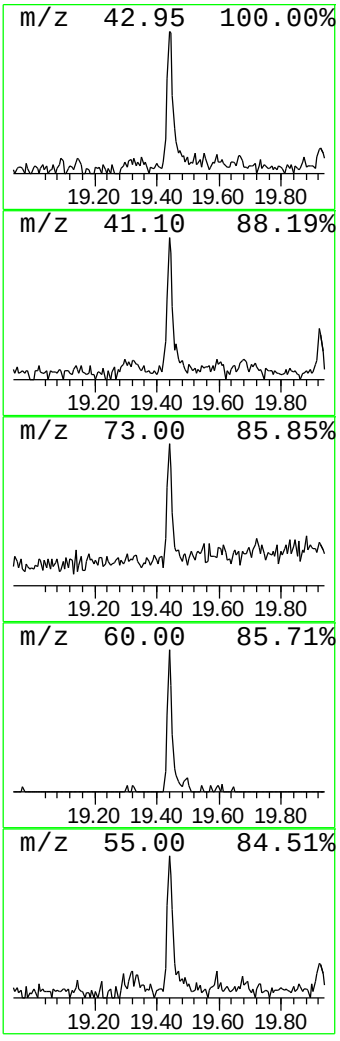
Peak Number 2 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.44	2.40 ng/ul	149164	Chrysene-d12	21.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	96
2	Octadecanoic acid	284	C18H36O2	000057-11-4	78
3	Octadecanoic acid	284	C18H36O2	000057-11-4	70
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	59
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	58





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : H0FJ4

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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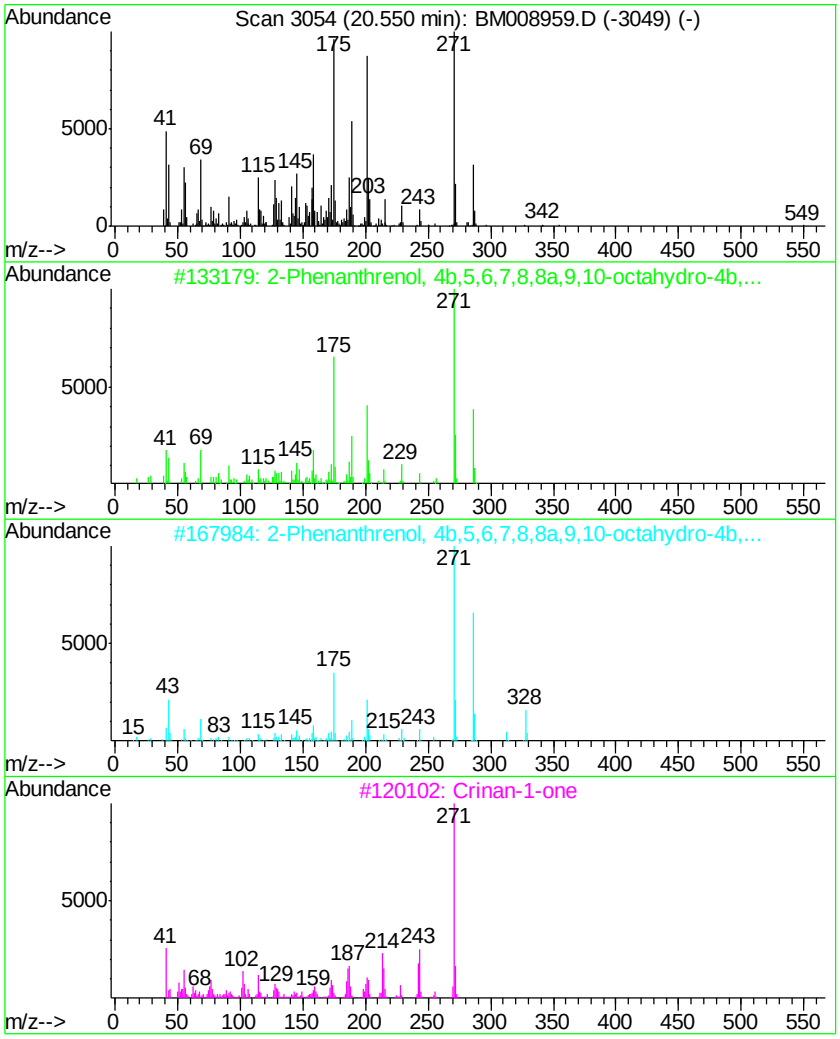
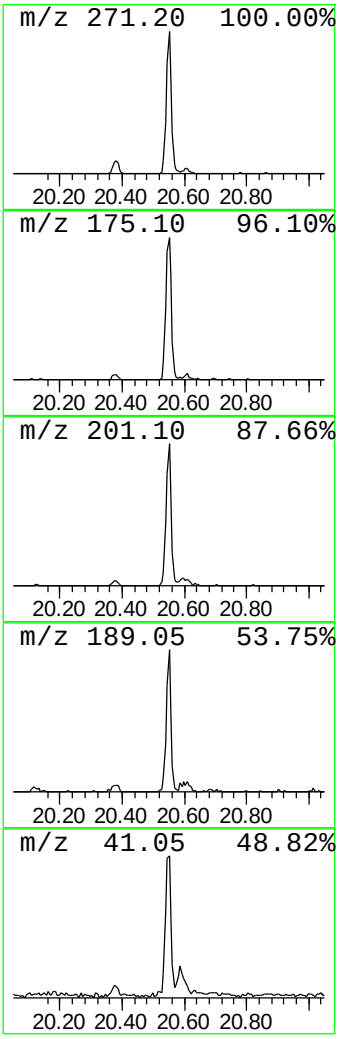
Peak Number 3 2-Phenanthrenol, 4b,5,6,7,8... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.55	16.87 ng/ul	1050040	Chrysene-d12	21.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	286	C20H30O	000511-15-9	94
2	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	328	C22H32O2	015340-82-6	64
3	Crinan-1-one	271	C16H17NO3	098301-98-5	22
4	Silane, dimethyl(3-methylbut-2-e...	286	C16H34O2Si	1000347-96-9	22
5	6-Methoxy-8-[6-aminohexylamino]l...	287	C17H25N3O	074509-57-2	20





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ClientSampleId : H0FJ4

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Quant Title : SVOA CALIBRATION

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

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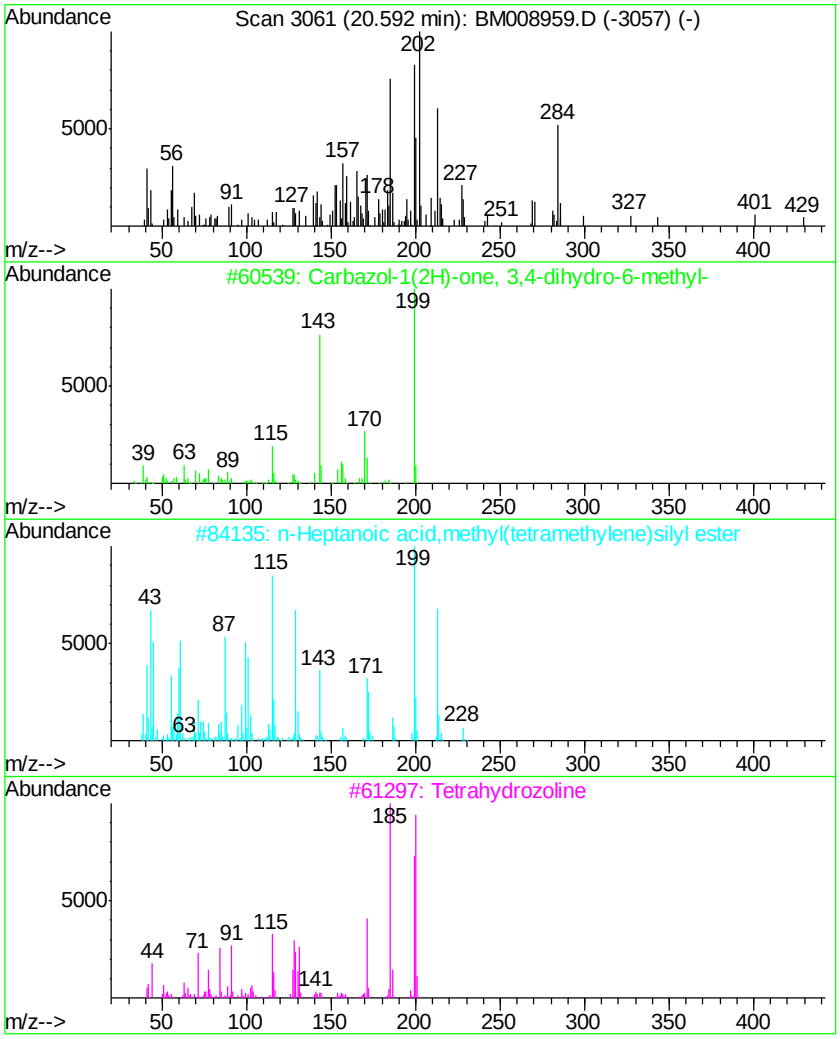
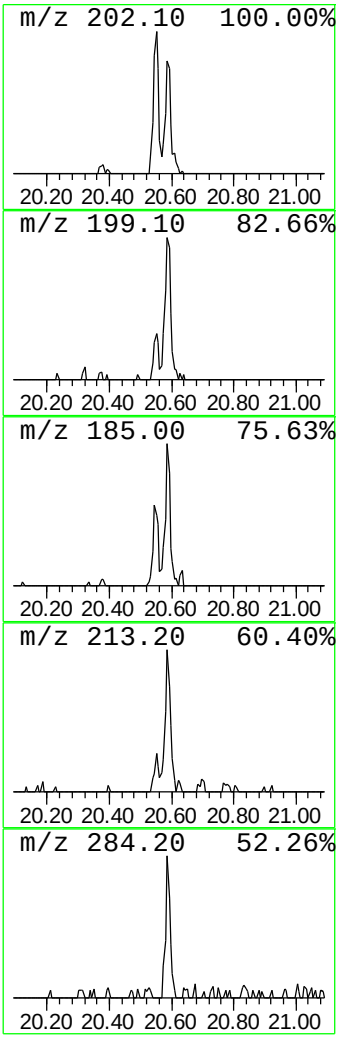
Peak Number 4 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.59	4.33 ng/ul	269500	Chrysene-d12	21.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbazol-1(2H)-one, 3,4-dihydro-...	199	C13H13NO	003449-48-7	25
2	n-Heptanoic acid,methyl(tetramet...	228	C12H24O2Si	1000217-03-6	15
3	Tetrahydrozoline	200	C13H16N2	000084-22-0	14
4	Tetrahydrozoline	200	C13H16N2	000084-22-0	14
5	2-Acetyl-6-methoxynaphthalene	200	C13H12O2	003900-45-6	14





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Quant Title : SVOA CALIBRATION

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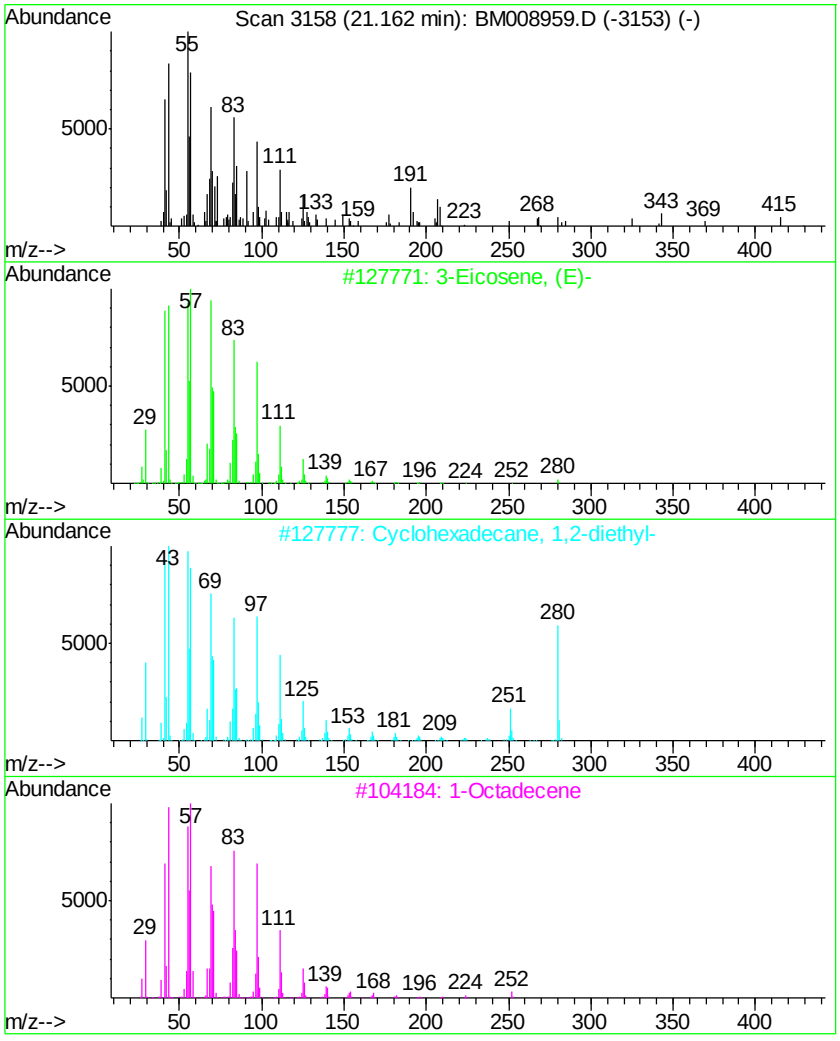
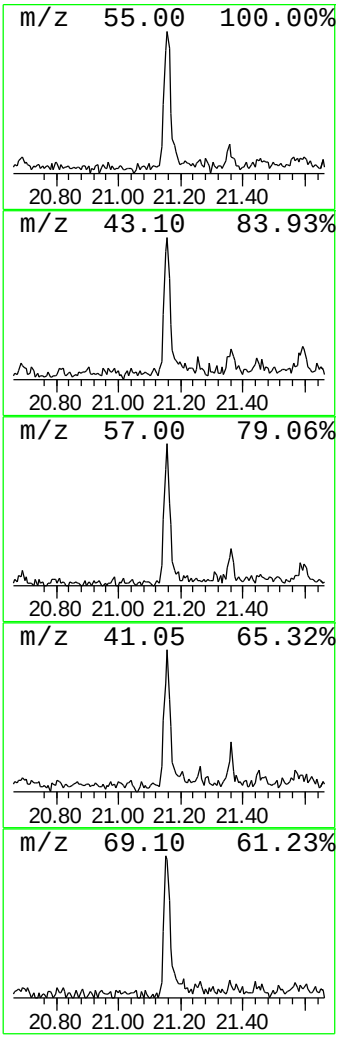
****

Peak Number 5 (DEL) Alkane: Cyclic21.16 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.16	4.41 ng/ul	274727	Chrysene-d12	21.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	96
2	Cyclohexadecane, 1,2-diethyl-	280	C20H40	1000155-85-3	93
3	1-Octadecene	252	C18H36	000112-88-9	93
4	1-Docosanethiol	342	C22H46S	007773-83-3	93
5	1-Heneicosyl formate	340	C22H44O2	077899-03-7	91





Tentatively Identified Compound (LSC) summary

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Quant Title : SVOA CALIBRATION

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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
n-Hexadecanoic acid	18.17	5.4	ng/ul	255001	4	17.30	947253	20.0
Octadecanoic acid	19.44	2.4	ng/ul	149164	5	21.46	1245010	20.0
2-Phenanthrenol, ...	20.55	16.9	ng/ul	1050040	5	21.46	1245010	20.0
unknown-01	20.59	4.3	ng/ul	269500	5	21.46	1245010	20.0
(DEL) Alkane: Cyc...	21.16	4.4	ng/ul	274727	5	21.46	1245010	20.0