LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021920\
Data File : BM024955.D
Acq On : 19 Feb 2020 21:53
Operator : CG/JU
Sample : L1486-21
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBCX3

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.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	3.040	21	26	37	rVB	44419	109161	1.52%	0.163%
2	3.716	134	141	155	rBV	825793	1817118	25.28%	2.712%
3	5.716	478	481	488	rBV	9390	16353	0.23%	0.024%
4	6.587	623	629	641	rBV	228194	397394	5.53%	0.593%
5	6.740	649	655	667	rBV	889977	1462796	20.35%	2.183%
6	6.928	680	687	705	rBV	988282	1618463	22.51%	2.415%
7	7.387	758	765	775	rBV	1070357	1732680	24.10%	2.586%
8	8.098	880	886	895	rBV	716758	1141000	15.87%	1.703%
9	8.181	898	900	906	rVB4	5070	8197	0.11%	0.012%
10	8.522	951	958	979	rBV	1016639	1726595	24.02%	2.576%
11	9.010	1037	1041	1046	rVB5	17015	26081	0.36%	0.039%
12	9.234	1073	1079	1093	rBV	832922	1429287	19.88%	2.133%
13	9.769	1164	1170	1192	rBV	1153435	2230882	31.03%	3.329%
14	10.134	1225	1232	1244	rBV	1343595	2209714	30.74%	3.297%
15	10.298	1251	1260	1273	rBV2	34639	87141	1.21%	0.130%
16	11.745	1500	1506	1516	rVB2	15281	31738	0.44%	0.047%
17	13.457	1791	1797	1803	rBV	2304402	3339992	46.46%	4.984%
18	13.504	1803	1805	1814	rVB	111588	150477	2.09%	0.225%
19	13.716	1835	1841	1850	rBV	2930753	4247880	59.09%	6.339%
20	14.033	1888	1895	1905	rVB	1959446	2831055	39.38%	4.225%
21	14.274	1930	1936	1953	rBV2	67147	207581	2.89%	0.310%
22	15.039	2059	2066	2079	rVV	3830168	5406101	75.20%	8.067%
23	15.169	2083	2088	2103	rVV	910121	1427555	19.86%	2.130%
24	15.280	2103	2107	2115	rVB	43835	71321	0.99%	0.106%
25	15.827	2194	2200	2205	rVB7	12599	23207	0.32%	0.035%
26	16.245	2267	2271	2278	rBV4	18894	27792	0.39%	0.041%
27	16.586	2320	2329	2330	rBV2	6888	12535	0.17%	0.019%
28	16.598	2330	2331	2337	rVB4	4977	7349	0.10%	0.011%
29	16.786	2357	2363	2374	rBV	2289688	3216667	44.75%	4.800%
30	16.886	2374	2380	2397	rVV	4449853	6072487	84.47%	9.061%
31	17.015	2397	2402	2408	rVB5	17232	27833	0.39%	0.042%
32	17.339	2452	2457	2460	rVB7	7798	10568	0.15%	0.016%
33	17.492	2481	2483	2490	rVB6	5563	9499	0.13%	0.014%
34	17.598	2495	2501	2509	rBV6	41008	76463	1.06%	0.114%

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Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
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Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Title : SVOA CALIBRATION

35	17.668	2509	2513	2519	rVB7	10004	19246	0.27%	0.029%
36	17.733	2519	2524	2532	rBV2	224174	360443	5.01%	0.538%
37	17.892	2549	2551	2556	rVB4	7698	9252	0.13%	0.014%
38	18.015	2568	2572	2580	rVB4	22601	34297	0.48%	0.051%
39	18.286	2614	2618	2622	rBV7	10350	15594	0.22%	0.023%
40	18.833	2706	2711	2715	rBV	44426	61233	0.85%	0.091%
41	18.898	2719	2722	2728	rVV7	16509	31862	0.44%	0.048%
42	19.027	2740	2744	2749	rBV5	47762	72974	1.02%	0.109%
43	19.080	2749	2753	2759	rVB	41776	60931	0.85%	0.091%
44	19.198	2766	2773	2781	rBV	5267817	7171378	99.76%	10.701%
45	20.762	3035	3039	3047	rBV	270916	395955	5.51%	0.591%
46	21.003	3075	3080	3090	rBV	2845273	3605203	50.15%	5.380%
47	21.627	3184	3186	3193	rVB6	79049	90259	1.26%	0.135%
48	22.180	3276	3280	3285	rVB	654981	804921	11.20%	1.201%
49	22.533	3338	3340	3345	rVB2	151279	160561	2.23%	0.240%
50	22.968	3408	3414	3424	rVB	4285192	7188861	100.00%	10.727%
51	23.097	3431	3436	3446	rVB	2148735	3720244	51.75%	5.551%

Sum of corrected areas: 67014176

LSC Report - Integrated Chromatogram

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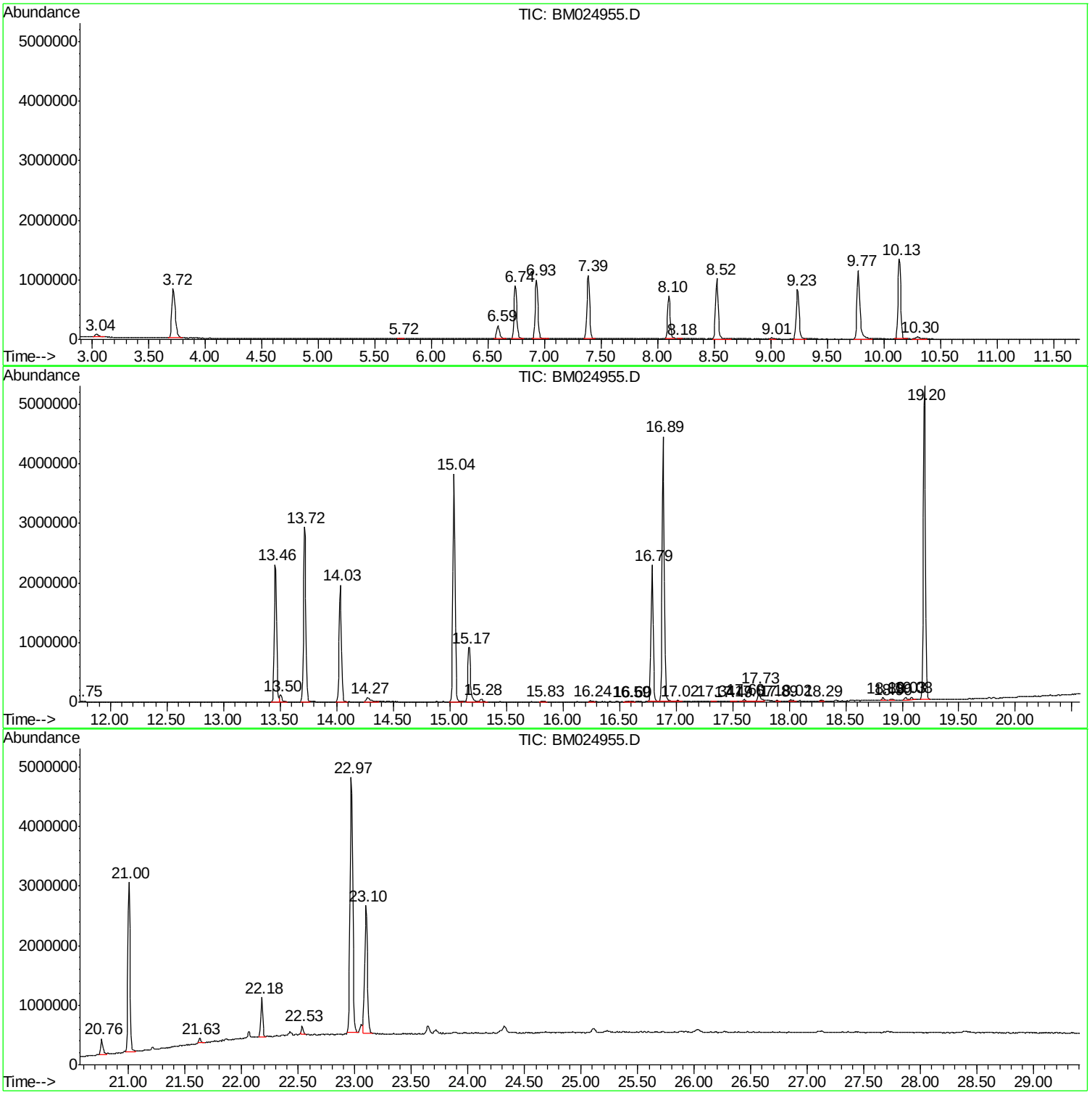
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBCX3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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ClientSampleId : DBCX3

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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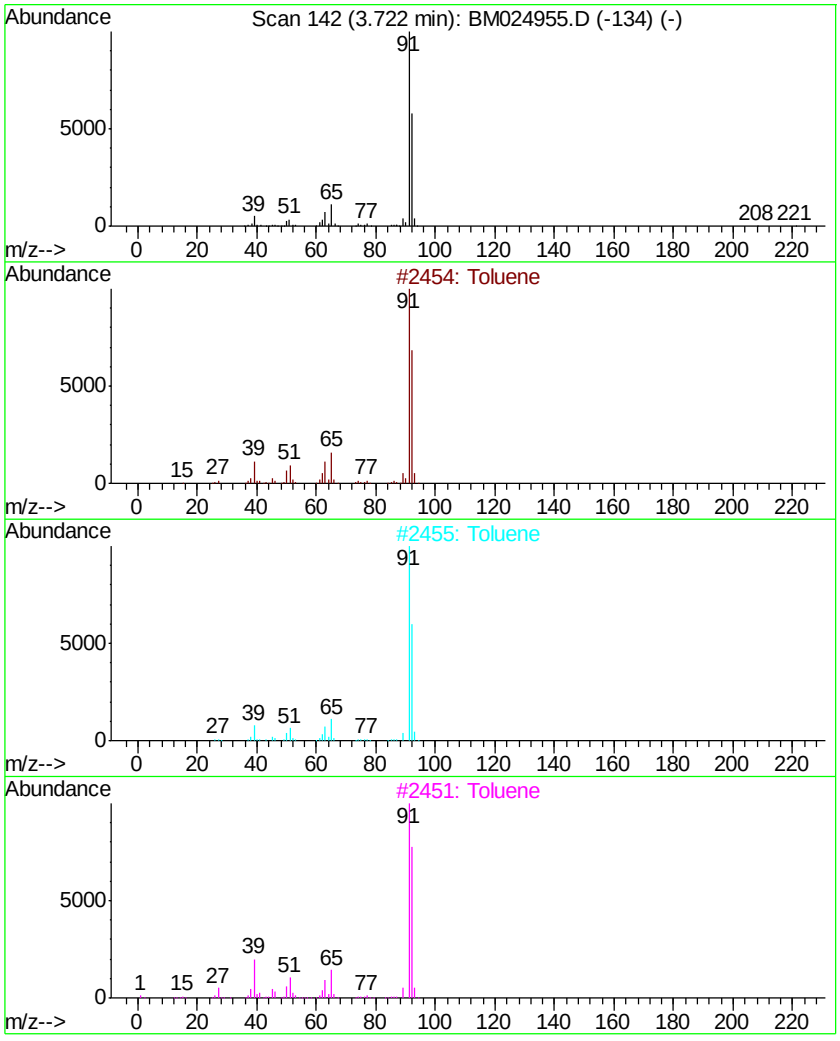
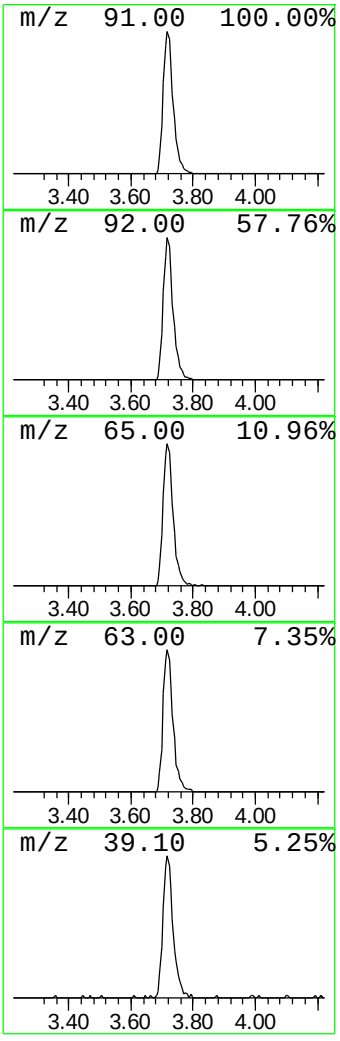
Peak Number 1 Toluene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.72	20.97 ng/ul	1817120	1,4-Dichlorobenzene-d4	7.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	94
2	Toluene	92	C7H8	000108-88-3	94
3	Toluene	92	C7H8	000108-88-3	91
4	Toluene	92	C7H8	000108-88-3	91
5	Toluene	92	C7H8	000108-88-3	91





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ClientSampleId : DBCX3

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Quant Title : SVOA CALIBRATION

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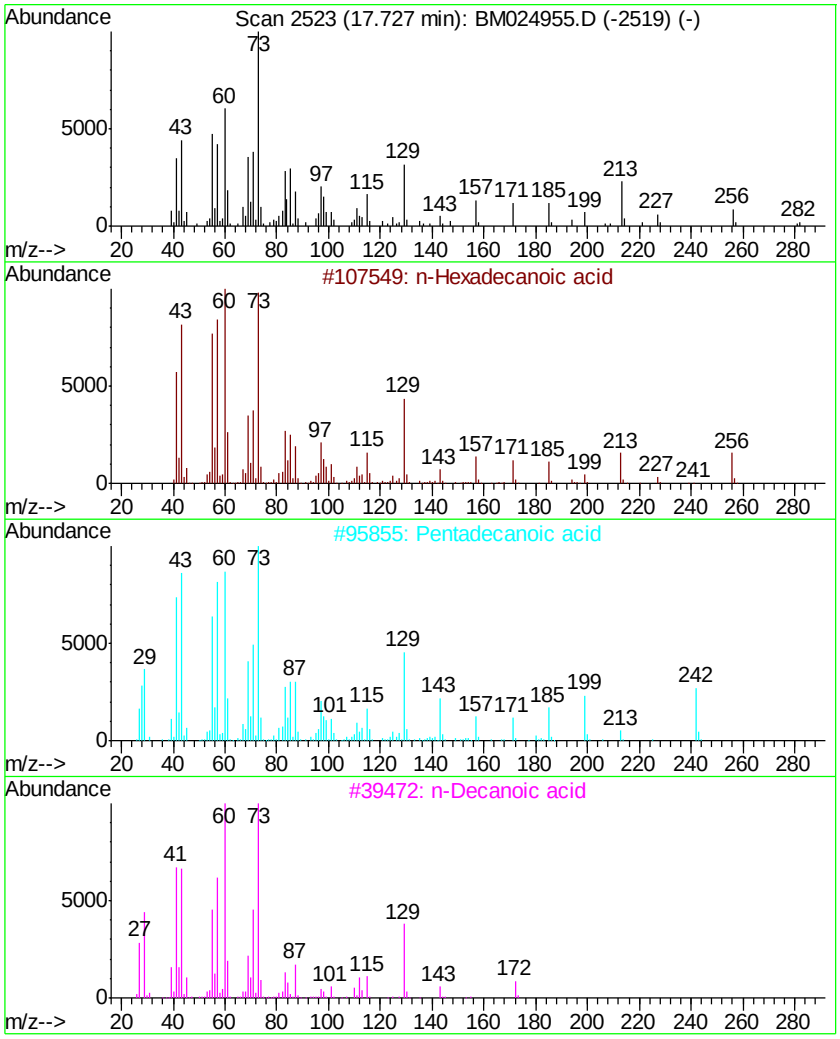
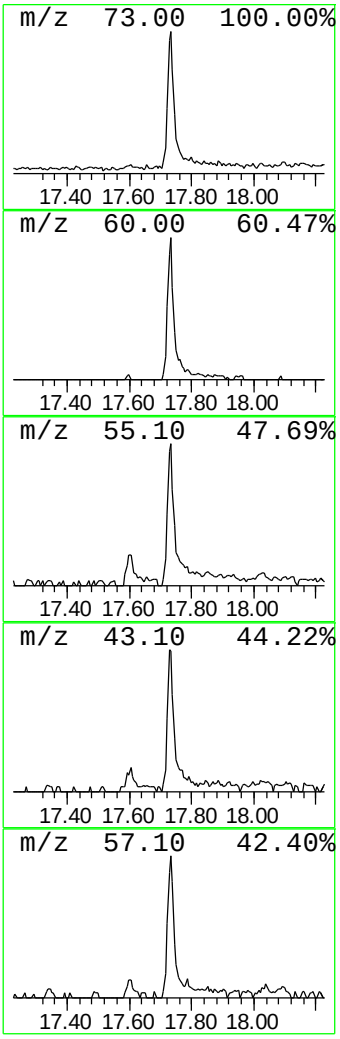
Peak Number 2 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.73	2.24 ng/ul	360443	Phenanthrene-d10	16.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	89
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	72
3	n-Decanoic acid	172	C10H20O2	000334-48-5	64
4	Tridecanoic acid	214	C13H26O2	000638-53-9	62
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	42





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Instrument : BNA_M
ClientSampleId : DBCX3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

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

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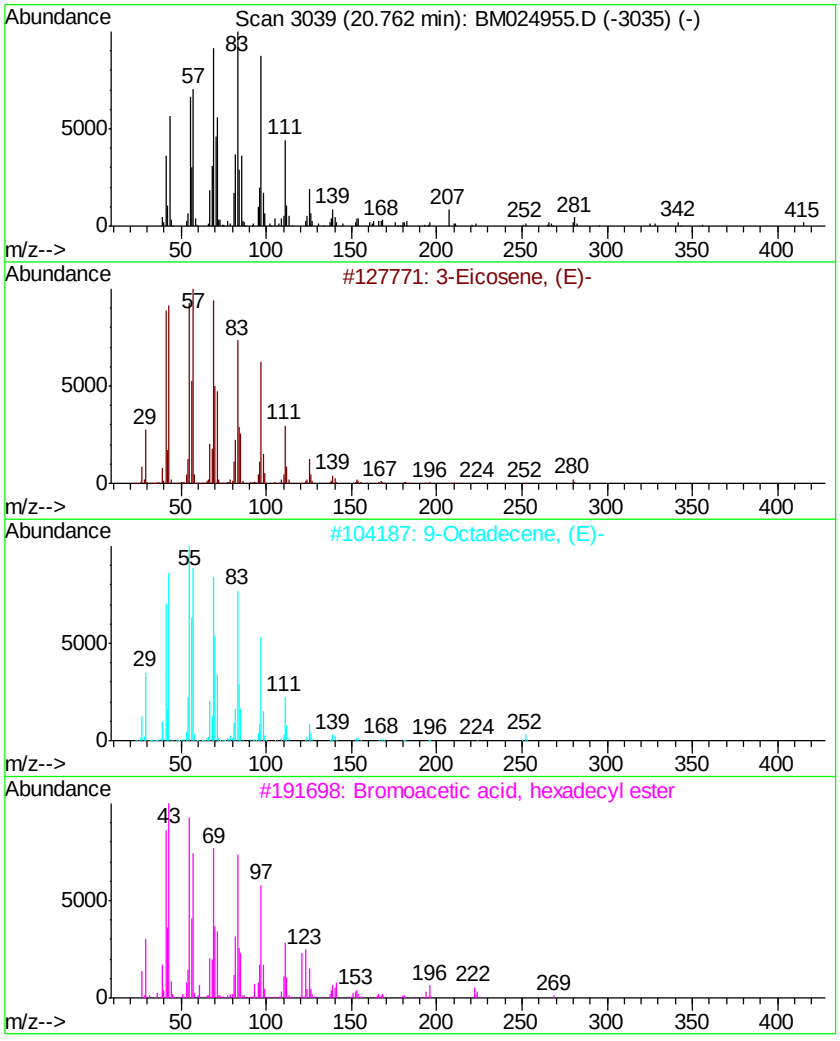
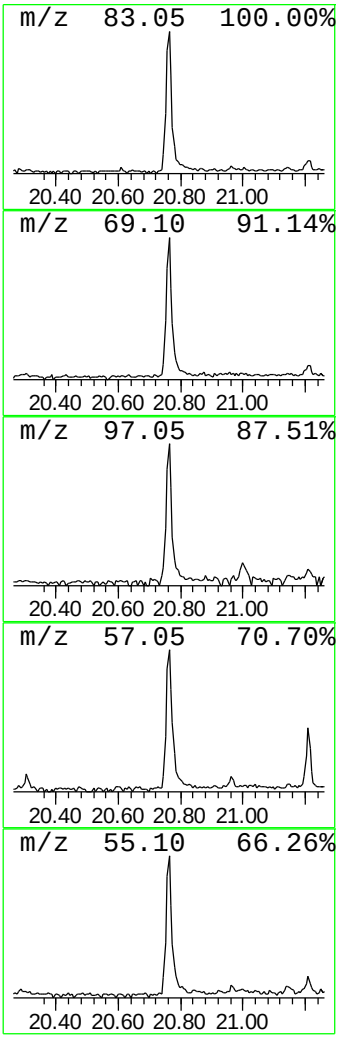
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.76	2.20 ng/ul	395955	Chrysene-d12	21.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Eicosene, (E)-	280	C20H40	074685-33-9	87
2	9-Octadecene, (E)-	252	C18H36	007206-25-9	87
3	Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	86
4	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	83
5	n-Tetracosanol-1	354	C24H50O	000506-51-4	83





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Quant Title : SVOA CALIBRATION

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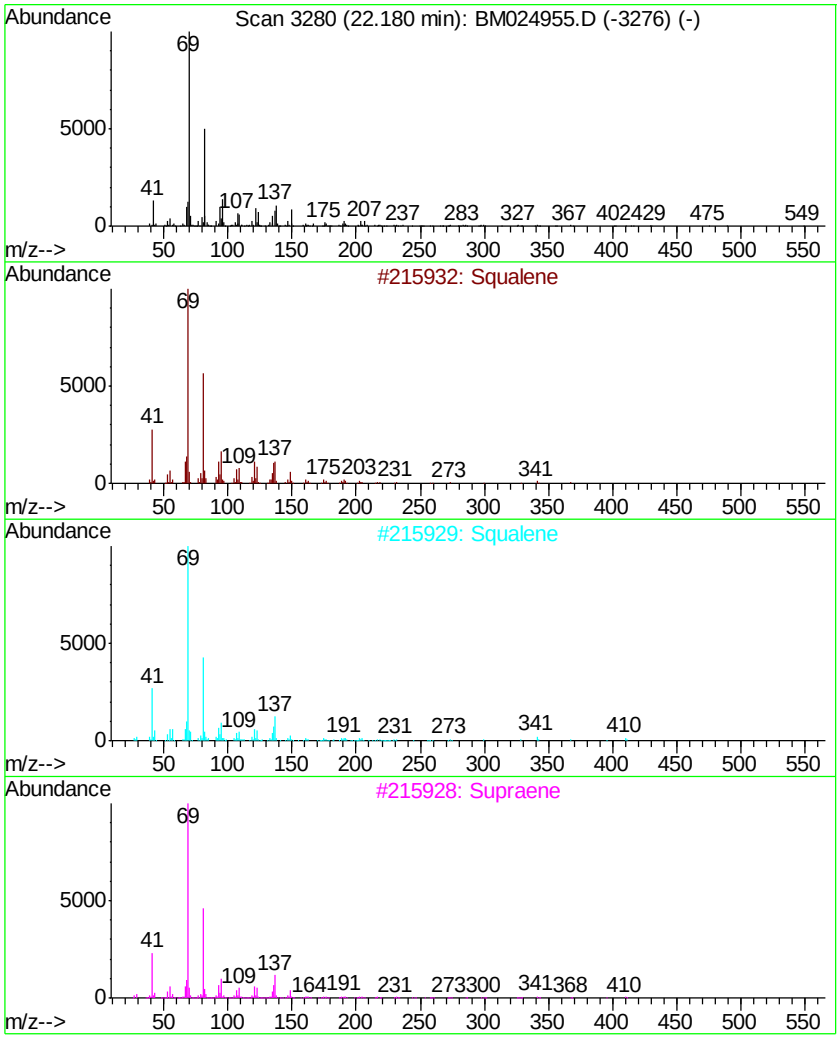
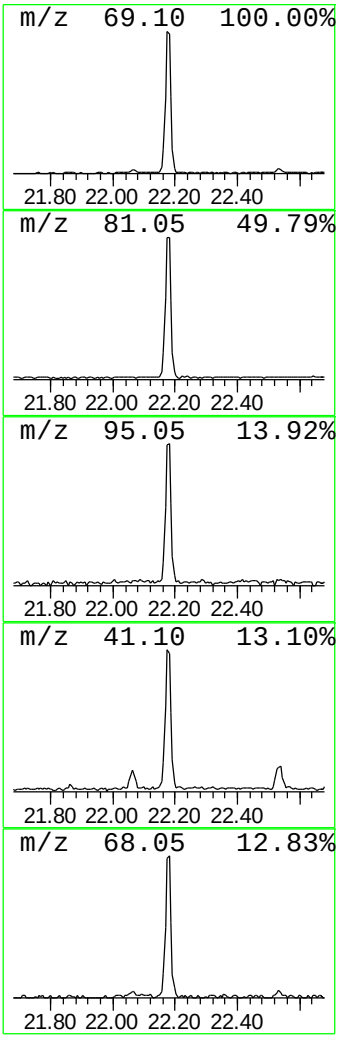
Peak Number 4 Squalene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.18	4.33 ng/ul	804921	Perylene-d12	23.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	91
2	Squalene	410	C30H50	000111-02-4	91
3	Supraene	410	C30H50	007683-64-9	91
4	Squalene	410	C30H50	000111-02-4	83
5	4,8,12-Tetradecatrienal, 5,9,13-...	248	C17H28O	066408-55-7	80





Tentatively Identified Compound (LSC) summary

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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Toluene	3.72	21.0	ng/ul	1817120	1	7.39	1732680	20.0
n-Hexadecanoic acid	17.73	2.2	ng/ul	360443	4	16.79	3216670	20.0
(DEL) Alkane: Str...	20.76	2.2	ng/ul	395955	5	21.00	3605200	20.0
Squalene	22.18	4.3	ng/ul	804921	6	23.10	3720240	20.0