LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112119\
Data File : BM023836.D
Acq On : 21 Nov 2019 19:19
Operator : JU
Sample : K5851-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AA9

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-BM111119MA.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	3.058	26	29	36	rVB2	41343	67323	1.25%	0.111%
2	3.675	129	134	143	rVV	44254	80338	1.50%	0.132%
3	3.764	146	149	154	rVB2	15187	22437	0.42%	0.037%
4	4.669	299	303	306	rBV	43285	63444	1.18%	0.104%
5	6.205	562	564	568	rVB5	5632	7378	0.14%	0.012%
6	6.705	643	649	665	rVB	742188	1238061	23.07%	2.033%
7	6.816	665	668	670	rBV3	4783	6638	0.12%	0.011%
8	6.863	670	676	688	rVB	544769	925629	17.25%	1.520%
9	7.052	701	708	718	rVB	807571	1302145	24.26%	2.138%
10	7.152	722	725	726	rBV3	5560	5385	0.10%	0.009%
11	7.510	780	786	796	rBV	1173499	1841935	34.32%	3.024%
12	8.228	899	908	914	rBV	877201	1431536	26.67%	2.350%
13	8.287	914	918	924	rVV	109238	201364	3.75%	0.331%
14	8.340	924	927	933	rVB2	17891	32778	0.61%	0.054%
15	8.663	973	982	991	rBV	688401	1141667	21.27%	1.874%
16	8.846	1010	1013	1016	rVB5	6204	8397	0.16%	0.014%
17	9.116	1053	1059	1062	rBV4	11563	16745	0.31%	0.027%
18	9.381	1093	1104	1118	rBV	547430	932336	17.37%	1.531%
19	9.746	1160	1166	1172	rVB9	8553	15133	0.28%	0.025%
20	9.922	1188	1196	1208	rBV	907067	1596459	29.75%	2.621%
21	10.287	1250	1258	1266	rBV	1583494	2628083	48.97%	4.315%
22	10.357	1268	1270	1273	rVB4	7435	7004	0.13%	0.011%
23	10.434	1276	1283	1296	rBV	719846	1342729	25.02%	2.205%
24	10.763	1338	1339	1346	rBV5	3058	5696	0.11%	0.009%
25	10.922	1363	1366	1372	rVB6	5040	8353	0.16%	0.014%
26	11.845	1516	1523	1526	rBV8	3750	10554	0.20%	0.017%
27	11.887	1526	1530	1538	rVB2	14515	27818	0.52%	0.046%
28	12.145	1569	1574	1577	rBV5	4650	7819	0.15%	0.013%
29	12.463	1623	1628	1633	rBV8	3798	9047	0.17%	0.015%
30	12.522	1633	1638	1643	rVV7	6327	12208	0.23%	0.020%
31	12.781	1678	1682	1687	rBV4	11059	14838	0.28%	0.024%
32	13.081	1729	1733	1738	rBV4	5566	12287	0.23%	0.020%
33	13.498	1798	1804	1809	rVB8	9771	16041	0.30%	0.026%
34	13.592	1813	1820	1824	rBV	1653008	2233730	41.62%	3.668%

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Title : SVOA CALIBRATION

35	13.639	1824	1828	1835	rVB	538275	746921	13.92%	1.226%
36	13.857	1859	1865	1879	rBV	1957764	2925220	54.50%	4.803%
37	14.169	1910	1918	1927	rBV	2363799	3596010	67.00%	5.904%
38	14.404	1950	1958	1974	rBV	363512	766444	14.28%	1.258%
39	14.610	1988	1993	2005	rVB2	77667	132774	2.47%	0.218%
40	14.998	2052	2059	2061	rBV3	9601	13603	0.25%	0.022%
41	15.169	2082	2088	2096	rBV	2450387	3592459	66.94%	5.898%
42	15.310	2106	2112	2125	rBV	334841	488781	9.11%	0.803%
43	15.410	2125	2129	2135	rVB3	34760	53786	1.00%	0.088%
44	15.616	2161	2164	2167	rVB5	5637	7592	0.14%	0.012%
45	15.680	2173	2175	2183	rVB8	9290	14748	0.27%	0.024%
46	15.751	2184	2187	2192	rBV7	5309	5654	0.11%	0.009%
47	15.922	2212	2216	2219	rBV4	10136	13144	0.24%	0.022%
48	15.957	2219	2222	2228	rVB7	11329	17109	0.32%	0.028%
49	16.092	2241	2245	2250	rBV6	19911	33561	0.63%	0.055%
50	16.145	2250	2254	2257	rVB5	7145	6033	0.11%	0.010%
51	16.275	2273	2276	2277	rBV3	6146	6431	0.12%	0.011%
52	16.322	2281	2284	2287	rBV5	4830	7278	0.14%	0.012%
53	16.357	2287	2290	2292	rBV4	7037	8501	0.16%	0.014%
54	16.480	2308	2311	2315	rBV2	16437	19869	0.37%	0.033%
55	16.604	2331	2332	2336	rVB5	8662	6536	0.12%	0.011%
56	16.674	2339	2344	2347	rBV5	10182	19029	0.35%	0.031%
57	16.716	2347	2351	2353	rVV	18229	23036	0.43%	0.038%
58	16.822	2366	2369	2375	rBV8	9888	16518	0.31%	0.027%
59	16.922	2380	2386	2392	rBV	3034798	4275487	79.66%	7.020%
60	17.022	2397	2403	2416	rVV	2755328	3887684	72.44%	6.383%
61	17.133	2418	2422	2425	rBV5	11976	18916	0.35%	0.031%
62	17.192	2430	2432	2433	rBV2	7457	6626	0.12%	0.011%
63	17.257	2441	2443	2446	rVB4	7436	7816	0.15%	0.013%
64	17.286	2446	2448	2450	rBV3	7621	8394	0.16%	0.014%
65	17.721	2519	2522	2526	rVB6	9624	14977	0.28%	0.025%
66	17.845	2538	2543	2553	rBV	284065	479738	8.94%	0.788%
67	18.157	2591	2596	2600	rBV5	25021	40055	0.75%	0.066%
68	18.310	2619	2622	2627	rBV6	23436	32817	0.61%	0.054%
69	18.874	2715	2718	2724	rBV7	33956	56488	1.05%	0.093%
70	18.957	2730	2732	2734	rBV	33056	32859	0.61%	0.054%
71	18.992	2734	2738	2742	rVB	114587	151433	2.82%	0.249%

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Title : SVOA CALIBRATION

72	19.139	2760	2763	2768	rBV5	93865	133161	2.48%	0.219%
73	19.327	2789	2795	2805	rBV2	3535325	4993190	93.04%	8.198%
74	20.868	3053	3057	3063	rBV	577633	840277	15.66%	1.380%
75	21.127	3096	3101	3106	rBV	3722660	5028422	93.69%	8.256%
76	22.298	3297	3300	3306	rVB	745581	913751	17.03%	1.500%
77	23.151	3439	3445	3450	rBV	2728655	4821899	89.84%	7.917%
78	23.286	3462	3468	3477	rVB	2926675	5366909	100.00%	8.812%

Sum of corrected areas: 60905271

LSC Report - Integrated Chromatogram

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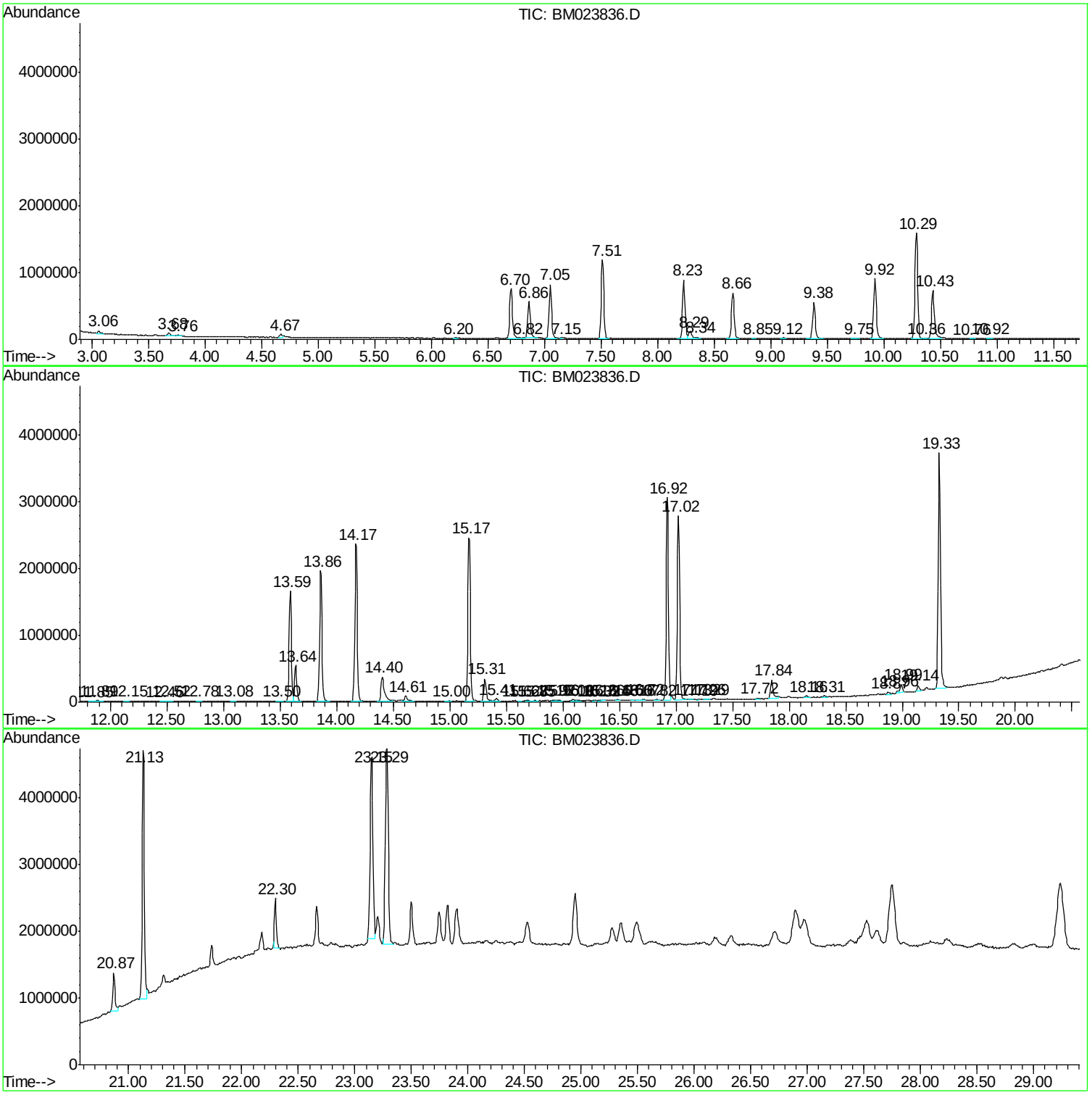
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AA9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Quant Title : SVOA CALIBRATION

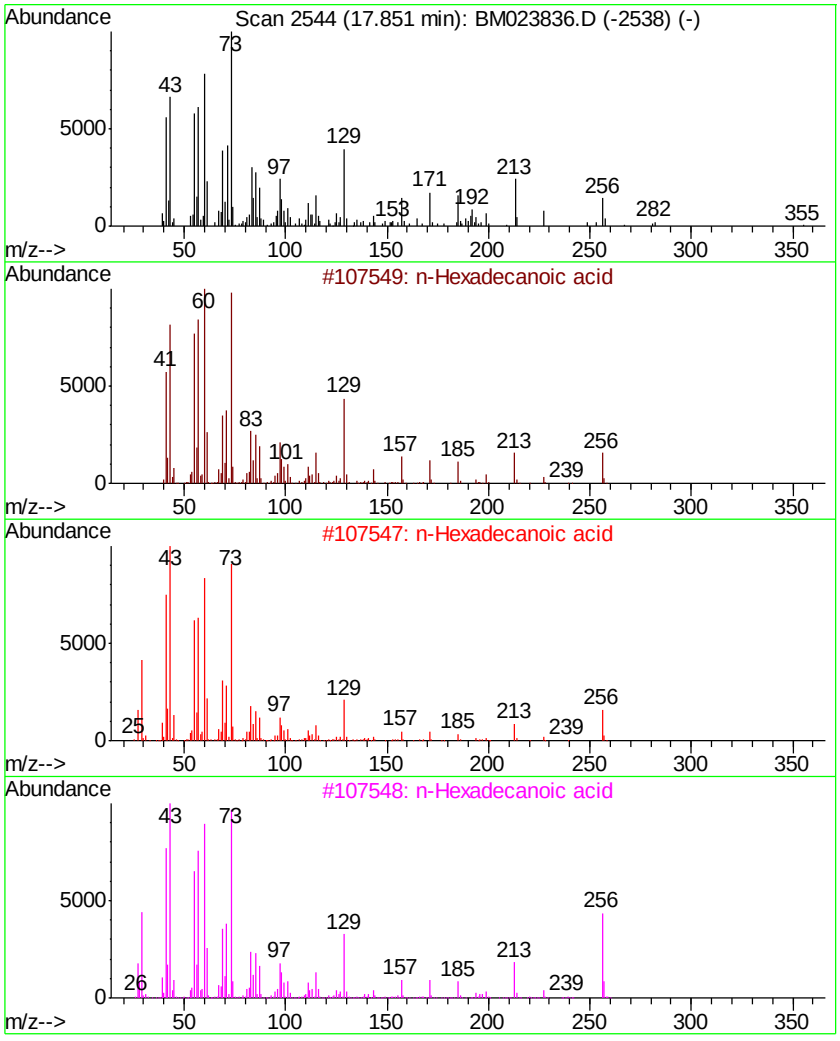
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

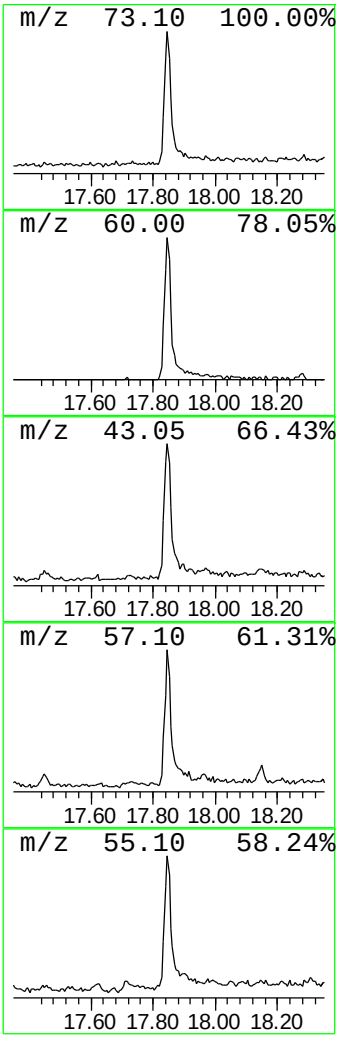
****

Peak Number 1 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.85	2.24 ng/ul	479738	Phenanthrene-d10	16.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
4	Tridecanoic acid	214	C13H26O2	000638-53-9	89
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	81





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TIC Library : C:\DATABASE\NIST11.L
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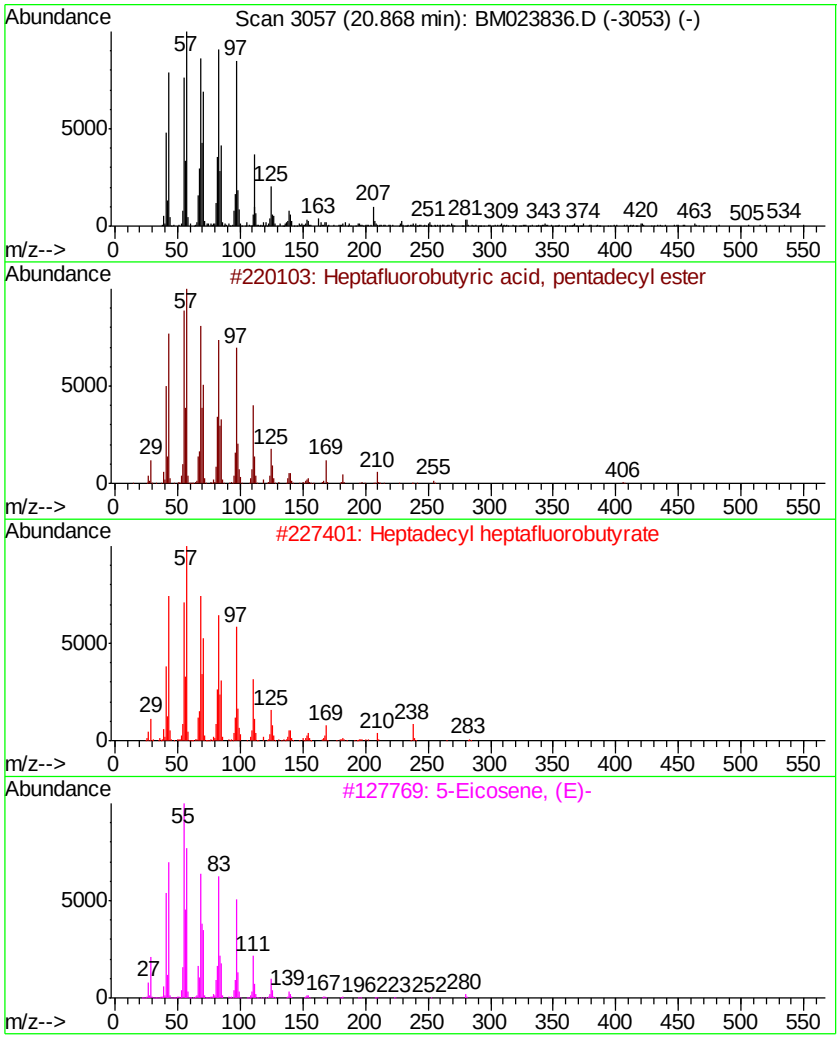
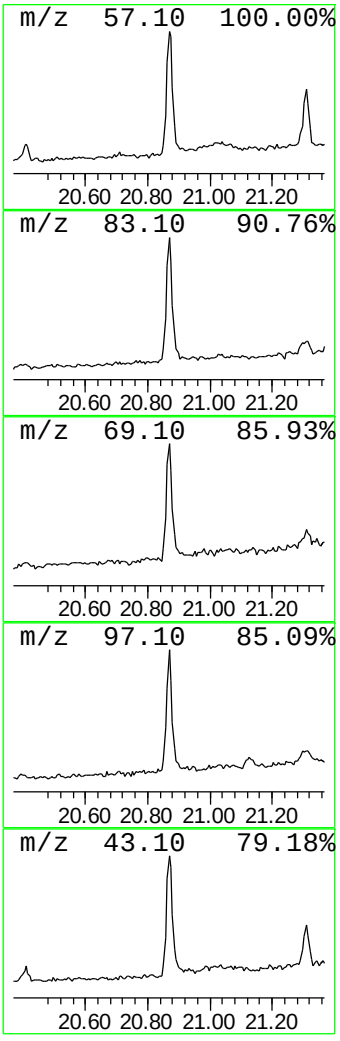
****
Peak Number 2 Heptafluorobutyric acid, pe... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	3.34 ng/ul	840277	Chrysene-d12	21.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
3	5-Eicosene, (E)-	280	C20H40	074685-30-6	90
4	1-Heneicosanol	312	C21H44O	015594-90-8	90
5	Behenic alcohol	326	C22H46O	000661-19-8	90





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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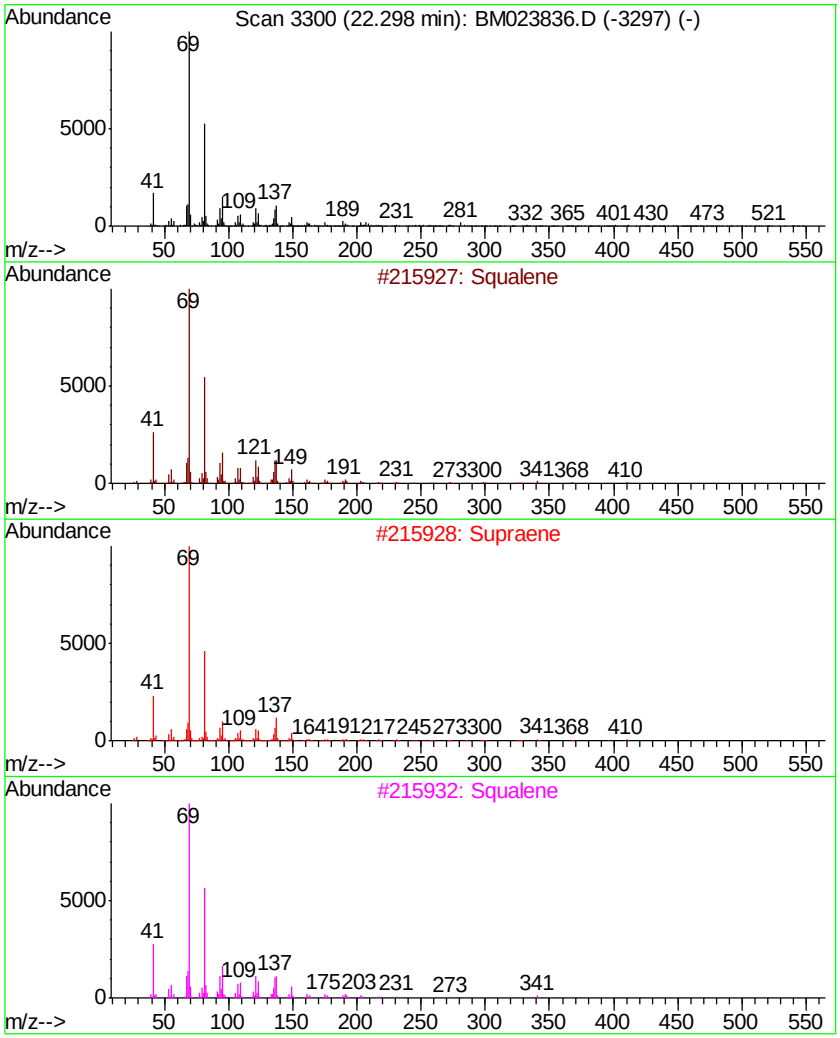
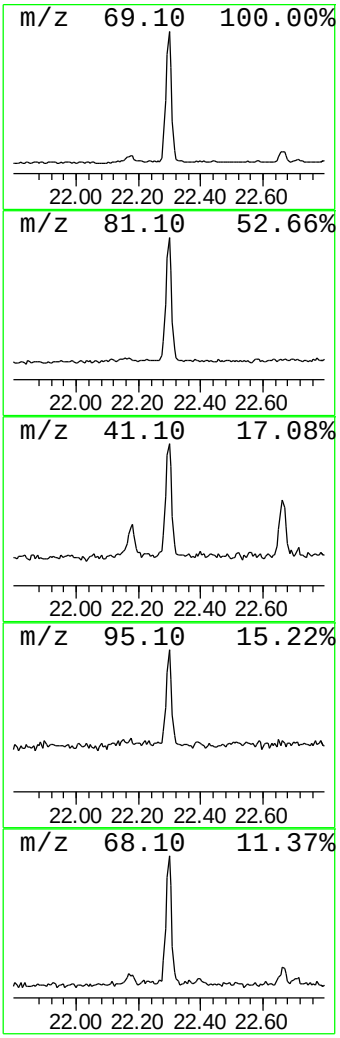
****

Peak Number 3 Squalene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.30	3.41 ng/ul	913751	Perylene-d12	23.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	97
2	Supraene	410	C30H50	007683-64-9	87
3	Squalene	410	C30H50	000111-02-4	87
4	Squalene	410	C30H50	000111-02-4	87
5	Docosa-2,6,10,14,18-pentaen-22-a...	384	C27H44O	1000163-04-7	72





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
n-Hexadecanoic acid	17.85	2.2	ng/ul	479738	4	16.92	4275490	20.0
Heptafluorobutyri...	20.87	3.3	ng/ul	840277	5	21.13	5028420	20.0
Squalene	22.30	3.4	ng/ul	913751	6	23.29	5366910	20.0