LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM012220\
Data File : BM024575.D
Acq On : 22 Jan 2020 11:12
Operator : JU
Sample : L1118-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASJ8

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-BM011520MA.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	25	29	38	rVB	38158	52355	0.95%	0.094%
2	3.675	131	134	137	rBV3	8039	10784	0.20%	0.019%
3	3.758	145	148	152	rBV6	6471	10691	0.19%	0.019%
4	4.640	295	298	302	rBV3	8824	12839	0.23%	0.023%
5	6.646	632	639	653	rVB	725720	1225713	22.35%	2.201%
6	6.804	659	666	679	rVB	496585	792353	14.45%	1.423%
7	6.993	691	698	705	rBV	782384	1203534	21.95%	2.161%
8	7.451	769	776	785	rBV	648547	984846	17.96%	1.769%
9	7.546	788	792	797	rVB5	4222	7240	0.13%	0.013%
10	8.163	890	897	908	rBV	959390	1481717	27.02%	2.661%
11	8.587	961	969	977	rBV	755949	1220684	22.26%	2.192%
12	8.781	999	1002	1006	rVB4	5111	7093	0.13%	0.013%
13	9.092	1049	1055	1060	rBV4	8717	11866	0.22%	0.021%
14	9.304	1085	1091	1101	rBV	680907	1094185	19.95%	1.965%
15	9.840	1175	1182	1193	rBV	1079186	1705099	31.10%	3.062%
16	10.210	1238	1245	1253	rBV	913639	1478733	26.97%	2.656%
17	10.351	1260	1269	1285	rBV	920792	1587999	28.96%	2.852%
18	11.816	1509	1518	1523	rBV2	14004	23983	0.44%	0.043%
19	13.339	1774	1777	1783	rVB3	4557	5578	0.10%	0.010%
20	13.522	1802	1808	1813	rBV	1980696	2695087	49.15%	4.840%
21	13.569	1813	1816	1822	rVB	293372	364556	6.65%	0.655%
22	13.786	1846	1853	1860	rBV	2262864	3179400	57.98%	5.710%
23	14.098	1900	1906	1915	rVB	1602860	2256939	41.16%	4.053%
24	14.310	1936	1942	1962	rBV	799011	1270177	23.16%	2.281%
25	14.539	1976	1981	1990	rVB4	22041	39570	0.72%	0.071%
26	15.098	2070	2076	2089	rBV	2822596	4038578	73.65%	7.253%
27	15.222	2091	2097	2109	rVV	853308	1170482	21.35%	2.102%
28	15.345	2112	2118	2124	rVB	29934	42404	0.77%	0.076%
29	15.569	2151	2156	2160	rVB4	9486	12291	0.22%	0.022%
30	15.886	2205	2210	2215	rBV6	10064	16688	0.30%	0.030%
31	16.292	2277	2279	2285	rVB6	6893	9560	0.17%	0.017%
32	16.533	2316	2320	2324	rBV2	4789	5816	0.11%	0.010%
33	16.633	2333	2337	2340	rBV2	6319	9885	0.18%	0.018%
34	16.851	2367	2374	2383	rBV	2077401	2866523	52.28%	5.148%

LSC Area Percent Report

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Instrument : BNA_M
ClientSampleId : GASJ8

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-BM011520MA.M
Title : SVOA CALIBRATION

35	16.945	2383	2390	2407	rVV	3149362	4452579	81.20%	7.996%
36	17.063	2407	2410	2415	rVB4	16846	19988	0.36%	0.036%
37	17.274	2442	2446	2453	rBV5	15643	25706	0.47%	0.046%
38	17.657	2508	2511	2515	rBV5	4427	6985	0.13%	0.013%
39	17.792	2529	2534	2542	rBV	387064	543203	9.91%	0.975%
40	18.092	2582	2585	2590	rVB6	4450	7243	0.13%	0.013%
41	18.227	2606	2608	2611	rVB3	10462	11379	0.21%	0.020%
42	18.468	2646	2649	2653	rVB4	5596	7320	0.13%	0.013%
43	18.604	2669	2672	2674	rBV4	5458	5596	0.10%	0.010%
44	18.662	2676	2682	2684	rBV6	8882	11685	0.21%	0.021%
45	18.886	2716	2720	2724	rBV	38039	49660	0.91%	0.089%
46	18.933	2725	2728	2729	rVV3	11456	9602	0.18%	0.017%
47	18.957	2729	2732	2736	rVB5	11350	15518	0.28%	0.028%
48	19.086	2749	2754	2759	rBV	138774	203703	3.71%	0.366%
49	19.139	2760	2763	2769	rVB	37572	55039	1.00%	0.099%
50	19.251	2776	2782	2790	rBV	4245554	5483337	100.00%	9.847%
51	19.551	2831	2833	2837	rVB4	8223	10748	0.20%	0.019%
52	19.821	2874	2879	2883	rBV6	26358	40661	0.74%	0.073%
53	19.862	2884	2886	2892	rVB5	18811	22283	0.41%	0.040%
54	20.333	2964	2966	2968	rBV3	11995	11091	0.20%	0.020%
55	20.362	2968	2971	2975	rVB4	31469	37432	0.68%	0.067%
56	20.815	3043	3048	3059	rBV	758106	1035154	18.88%	1.859%
57	21.056	3084	3089	3096	rBV	2673296	3296914	60.13%	5.921%
58	21.262	3121	3124	3128	rBV	114851	130760	2.38%	0.235%
59	21.686	3192	3196	3202	rBV2	166708	245779	4.48%	0.441%
60	22.121	3267	3270	3275	rVB	182441	219811	4.01%	0.395%
61	22.239	3287	3290	3295	rVB	276579	334235	6.10%	0.600%
62	22.598	3348	3351	3357	rBV	197354	265854	4.85%	0.477%
63	23.039	3420	3426	3436	rVB	2630560	4458961	81.32%	8.007%
64	23.133	3438	3442	3444	rVV	237243	381348	6.95%	0.685%
65	23.174	3444	3449	3460	rVB	1621986	2841232	51.82%	5.102%
66	23.733	3540	3544	3549	rVB	200235	325764	5.94%	0.585%
67	23.803	3553	3556	3562	rVB3	132525	223292	4.07%	0.401%

Sum of corrected areas: 55685110

LSC Report - Integrated Chromatogram

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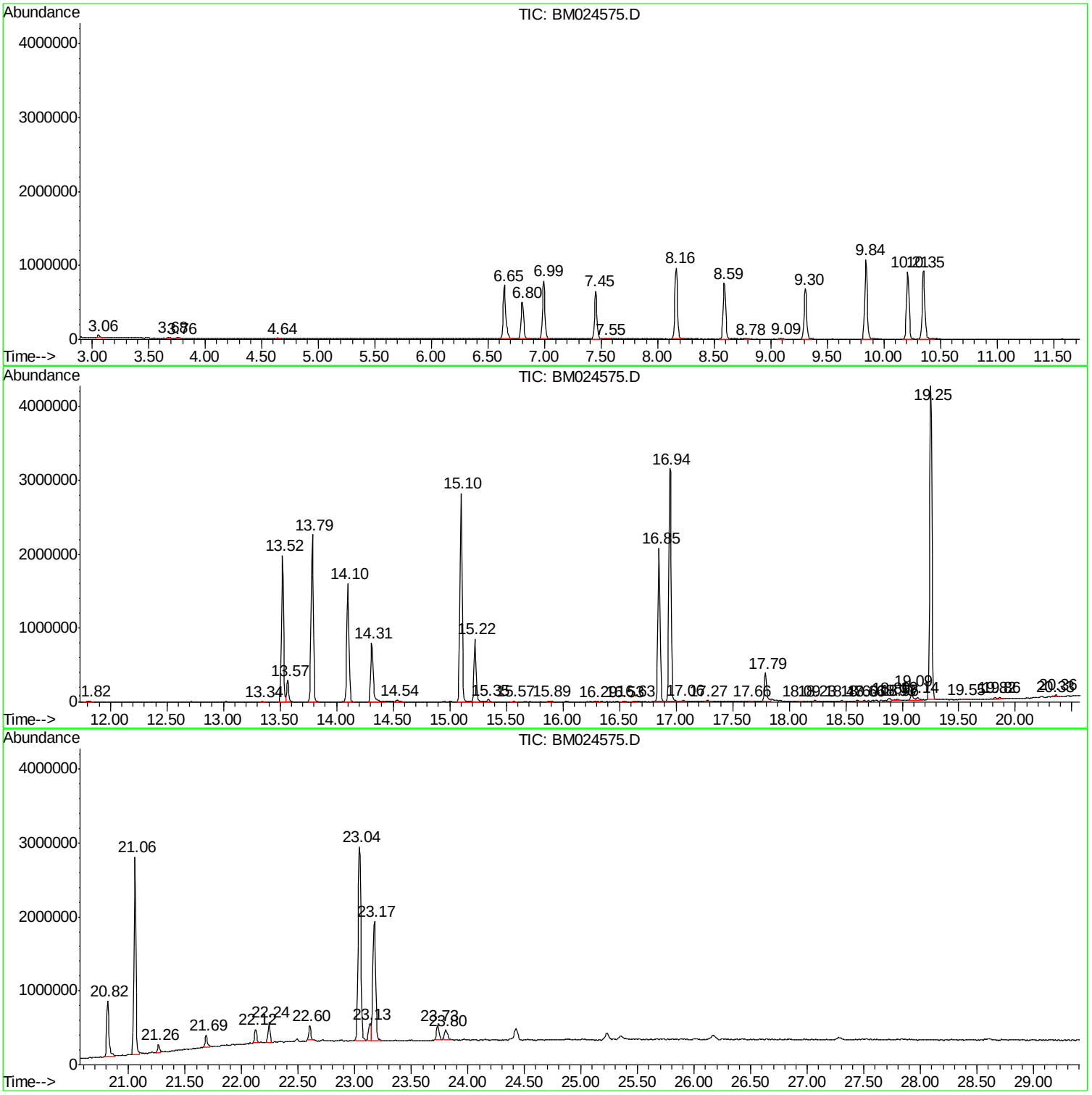
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASJ8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.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
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Quant Title : SVOA CALIBRATION

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

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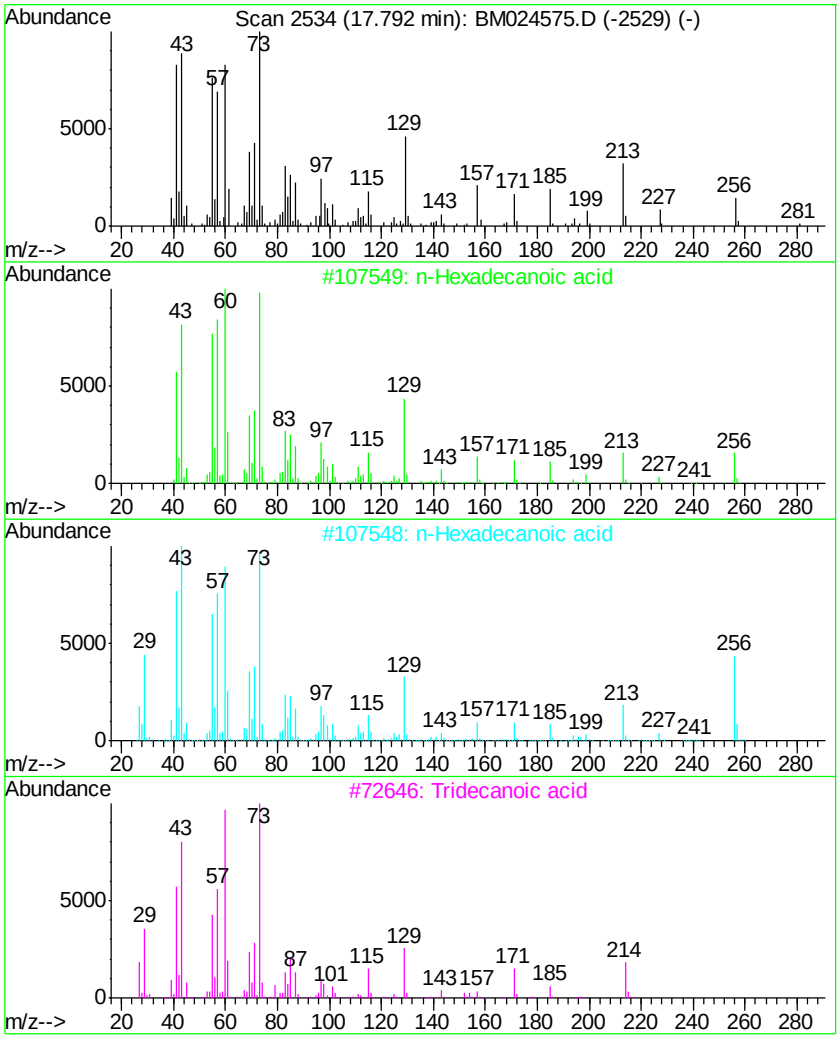
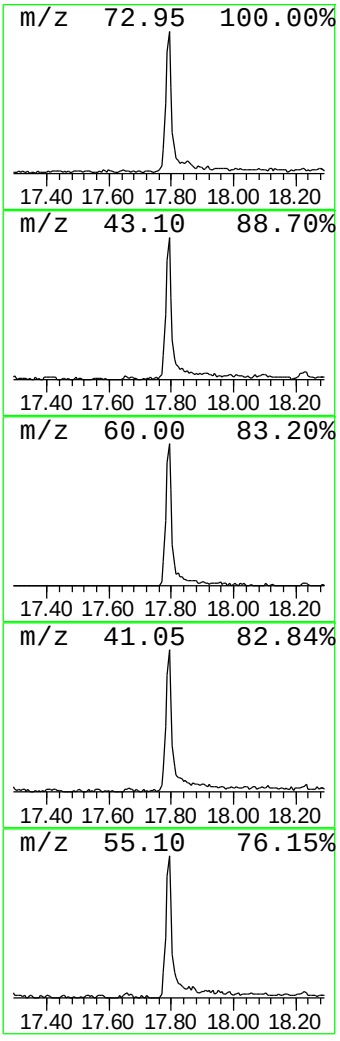
Peak Number 1 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.79	3.79 ng/ul	543203	Phenanthrene-d10	16.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
3	Tridecanoic acid	214	C13H26O2	000638-53-9	83
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	74
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	74





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GASJ8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011520MA.M
Quant Title : SVOA CALIBRATION

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

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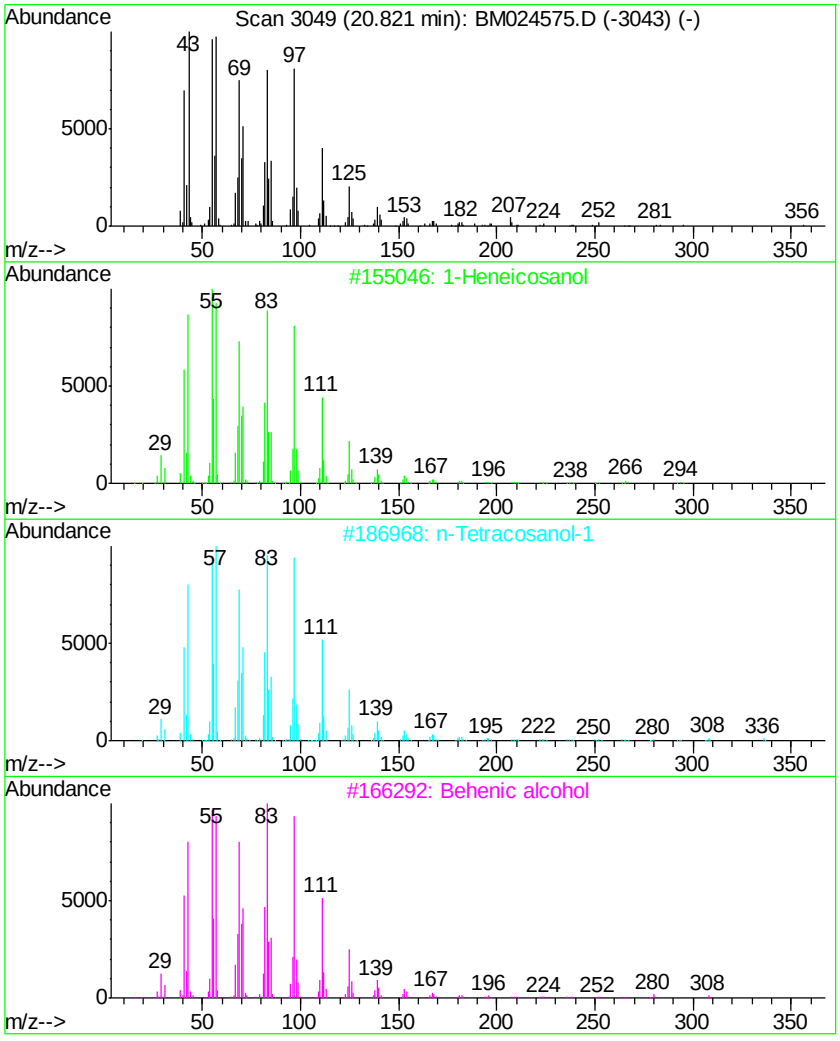
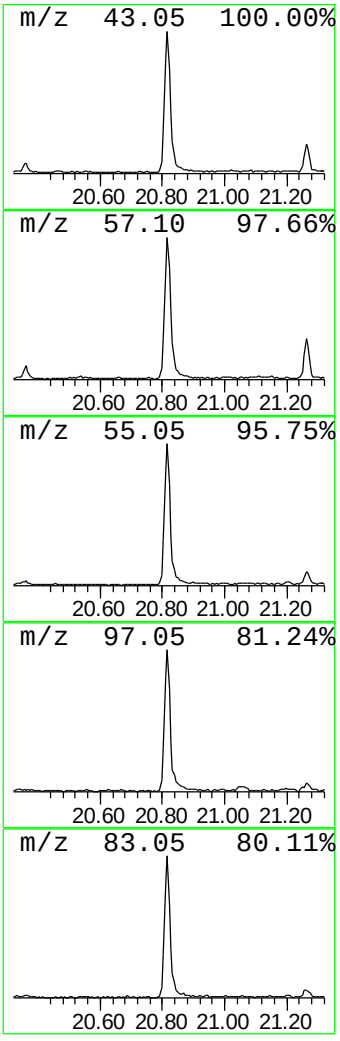
Peak Number 2 1-Heneicosanol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.82	6.28 ng/ul	1035150	Chrysene-d12	21.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	95
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	95
3	Behenic alcohol	326	C22H46O	000661-19-8	95
4	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94
5	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	94





Library Search Compound Report

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

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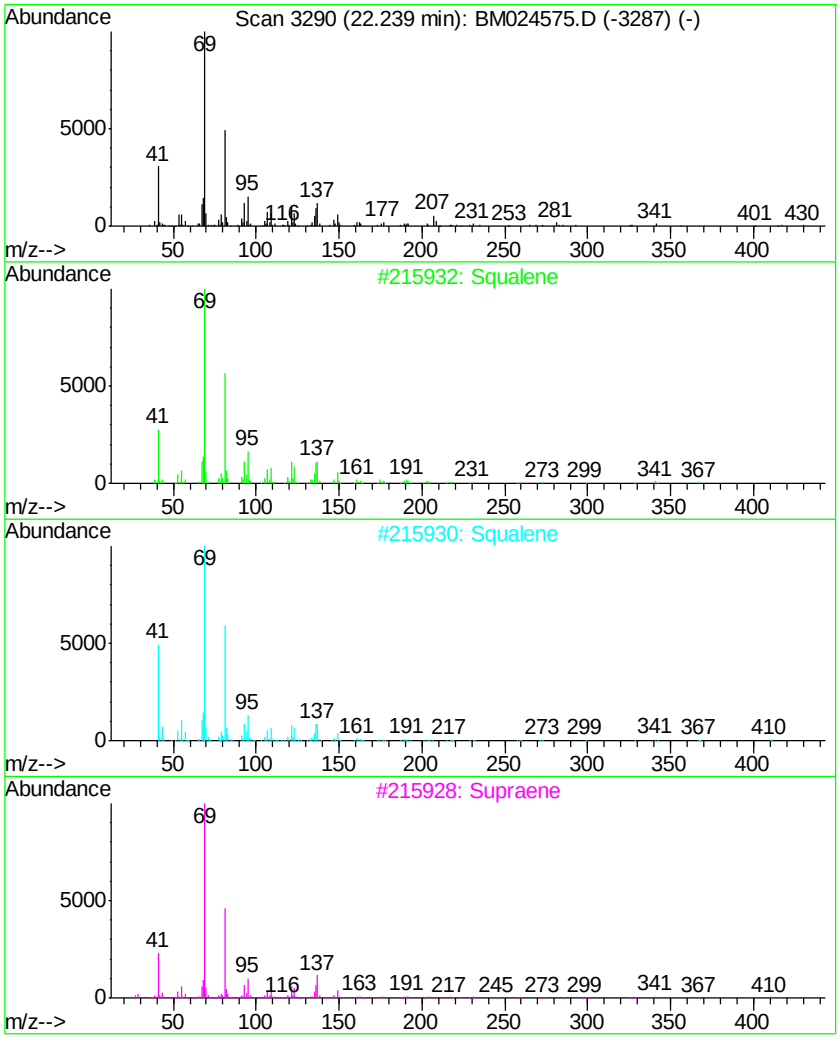
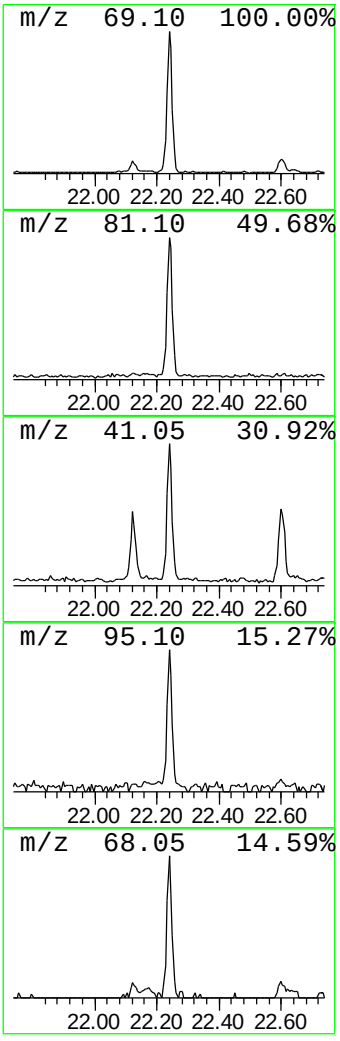
Peak Number 3 Squalene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.24	2.35 ng/ul	334235	Perylene-d12	23.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	90
2	Squalene	410	C30H50	000111-02-4	87
3	Supraene	410	C30H50	007683-64-9	83
4	Squalene	410	C30H50	000111-02-4	83
5	1,5,9-Undecatriene, 2,6,10-trime...	192	C14H24	062951-96-6	74





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Instrument : BNA_M
ClientSampleId : GASJ8

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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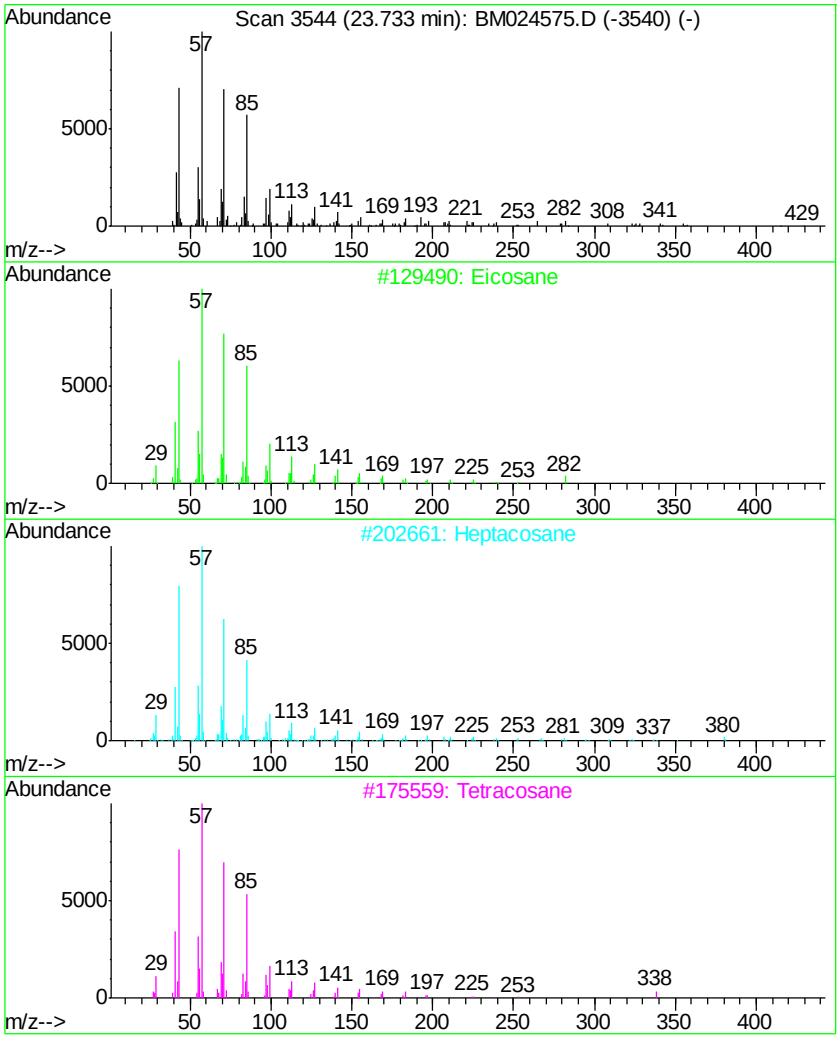
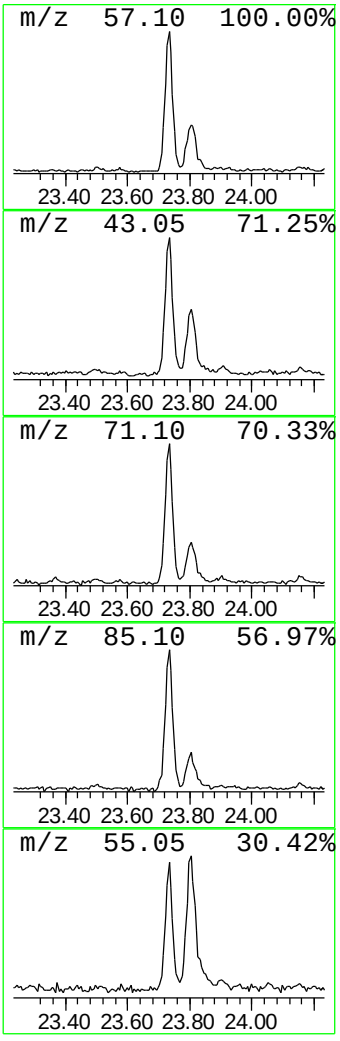
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.73	2.29 ng/ul	325764	Perylene-d12	23.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	95
2	Heptacosane	380	C27H56	000593-49-7	91
3	Tetracosane	338	C24H50	000646-31-1	91
4	Tetracosane	338	C24H50	000646-31-1	91
5	Heneicosane	296	C21H44	000629-94-7	91





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	17.79	3.8	ng/ul	543203	4	16.85	2866520	20.0
1-Heneicosanol	20.82	6.3	ng/ul	1035150	5	21.06	3296910	20.0
Squalene	22.24	2.4	ng/ul	334235	6	23.17	2841230	20.0
(DEL) Alkane: Str...	23.73	2.3	ng/ul	325764	6	23.17	2841230	20.0