LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040819\
Data File : BM019789.D
Acq On : 08 Apr 2019 11:39
Operator : JU/SJ
Sample : K2254-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFC23

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-BM032219MA.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	3.117	18	22	32	rVB	34124	57699	1.51%	0.144%
2	6.746	633	639	654	rBV	444011	848153	22.14%	2.120%
3	6.910	661	667	685	rBV	351619	633123	16.53%	1.582%
4	7.093	692	698	715	rVB	541406	893557	23.33%	2.233%
5	7.558	771	777	786	rBV	358334	593627	15.50%	1.484%
6	8.275	892	899	919	rBV	608961	1129143	29.48%	2.822%
7	8.728	969	976	992	rBV	489486	866636	22.63%	2.166%
8	9.046	1024	1030	1035	rBV2	17712	23972	0.63%	0.060%
9	9.440	1091	1097	1109	rBV	425604	753230	19.66%	1.883%
10	9.969	1181	1187	1210	rBV	598268	1220364	31.86%	3.050%
11	10.334	1242	1249	1260	rBV	602820	983269	25.67%	2.458%
12	10.504	1269	1278	1302	rBV	531503	1203385	31.42%	3.008%
13	10.957	1345	1355	1359	rBV4	4619	14645	0.38%	0.037%
14	11.957	1520	1525	1530	rBV2	5783	12730	0.33%	0.032%
15	12.528	1617	1622	1623	rBV3	4093	5307	0.14%	0.013%
16	13.010	1701	1704	1710	rVB2	2874	4197	0.11%	0.010%
17	13.639	1805	1811	1816	rBV	1333611	1870588	48.83%	4.675%
18	13.687	1816	1819	1834	rVB	436746	639734	16.70%	1.599%
19	13.910	1850	1857	1876	rBV	1622595	2350848	61.37%	5.876%
20	14.216	1903	1909	1927	rVB2	915476	1419534	37.06%	3.548%
21	14.481	1948	1954	1972	rBV	211217	629519	16.43%	1.573%
22	14.651	1978	1983	1992	rVB	99142	153687	4.01%	0.384%
23	14.992	2036	2041	2049	rVV3	7038	13430	0.35%	0.034%
24	15.057	2049	2052	2055	rVB3	5469	6435	0.17%	0.016%
25	15.222	2073	2080	2095	rBV	2110553	2975560	77.68%	7.437%
26	15.375	2101	2106	2118	rBV	477326	736877	19.24%	1.842%
27	15.463	2118	2121	2126	rVB2	26965	35284	0.92%	0.088%
28	15.786	2174	2176	2181	rVB4	3774	5485	0.14%	0.014%
29	15.928	2197	2200	2202	rBV	4128	4277	0.11%	0.011%
30	16.004	2210	2213	2218	rVB3	6364	7632	0.20%	0.019%
31	16.116	2230	2232	2237	rVB3	5266	7493	0.20%	0.019%
32	16.333	2264	2269	2273	rVB2	4081	6275	0.16%	0.016%
33	16.386	2273	2278	2285	rBV4	23487	42944	1.12%	0.107%
34	16.445	2285	2288	2292	rVB3	2888	4336	0.11%	0.011%

LSC Area Percent Report

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Operator : JU/SJ
Sample : K2254-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFC23

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-BM032219MA.M
Title : SVOA CALIBRATION

35	16.575	2306	2310	2315	rVB3	7025	10836	0.28%	0.027%
36	16.722	2332	2335	2339	rBV2	4012	5103	0.13%	0.013%
37	16.775	2339	2344	2349	rVB4	4294	7096	0.19%	0.018%
38	16.892	2359	2364	2369	rVB3	10566	15751	0.41%	0.039%
39	16.980	2372	2379	2389	rBV	1241863	1720179	44.91%	4.300%
40	17.080	2389	2396	2408	rBV	2292461	3226885	84.24%	8.066%
41	17.269	2423	2428	2432	rBV5	3564	6106	0.16%	0.015%
42	17.463	2457	2461	2465	rBV3	4423	7922	0.21%	0.020%
43	17.586	2478	2482	2486	rBV2	23143	28548	0.75%	0.071%
44	17.733	2502	2507	2509	rBV3	5238	7584	0.20%	0.019%
45	17.874	2525	2531	2541	rBV	220060	359988	9.40%	0.900%
46	18.151	2576	2578	2584	rBV5	5287	8610	0.22%	0.022%
47	18.392	2618	2619	2624	rBV4	3236	5050	0.13%	0.013%
48	18.480	2632	2634	2637	rVB5	4563	3947	0.10%	0.010%
49	18.598	2650	2654	2656	rBV3	8192	10258	0.27%	0.026%
50	18.633	2658	2660	2663	rVB4	8091	8100	0.21%	0.020%
51	18.698	2668	2671	2675	rVB	17680	21173	0.55%	0.053%
52	18.745	2676	2679	2680	rBV2	5454	5800	0.15%	0.014%
53	18.951	2712	2714	2718	rBV5	4242	6152	0.16%	0.015%
54	19.021	2722	2726	2732	rBV	30194	52594	1.37%	0.131%
55	19.163	2746	2750	2763	rBV	100534	176567	4.61%	0.441%
56	19.257	2763	2766	2767	rVV3	11962	14328	0.37%	0.036%
57	19.274	2767	2769	2774	rVB	16438	21555	0.56%	0.054%
58	19.392	2783	2789	2797	rBV	2820013	3830434	100.00%	9.574%
59	19.727	2841	2846	2849	rBV	280659	315148	8.23%	0.788%
60	19.763	2849	2852	2860	rVB	432015	460766	12.03%	1.152%
61	20.421	2962	2964	2968	rVB3	16602	14299	0.37%	0.036%
62	20.704	3008	3012	3015	rBV	127174	134650	3.52%	0.337%
63	20.739	3015	3018	3022	rVB	139290	144135	3.76%	0.360%
64	20.892	3039	3044	3055	rBV4	208080	369551	9.65%	0.924%
65	21.192	3090	3095	3104	rBV	1546608	2009907	52.47%	5.024%
66	21.321	3114	3117	3119	rBV3	70272	78608	2.05%	0.196%
67	21.398	3128	3130	3135	rVB2	40147	52416	1.37%	0.131%
68	21.568	3157	3159	3162	rVV	53270	48939	1.28%	0.122%
69	21.604	3162	3165	3169	rVB3	69522	72054	1.88%	0.180%
70	21.686	3177	3179	3185	rVB6	52668	61819	1.61%	0.155%
71	21.751	3186	3190	3193	rBV2	116176	140954	3.68%	0.352%

LSC Area Percent Report

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Sample : K2254-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFC23

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-BM032219MA.M
Title : SVOA CALIBRATION

72	22.204	3263	3267	3274	rVB3	173859	293874	7.67%	0.735%
73	22.509	3316	3319	3323	rVB5	80183	111815	2.92%	0.279%
74	22.686	3346	3349	3357	rVB	182215	281717	7.35%	0.704%
75	23.251	3438	3445	3452	rBV2	1962917	3630328	94.78%	9.074%
76	23.392	3463	3469	3478	rVB	1032598	1791976	46.78%	4.479%
77	23.856	3544	3548	3555	rVB	164882	281815	7.36%	0.704%

Sum of corrected areas: 40008312

LSC Report - Integrated Chromatogram

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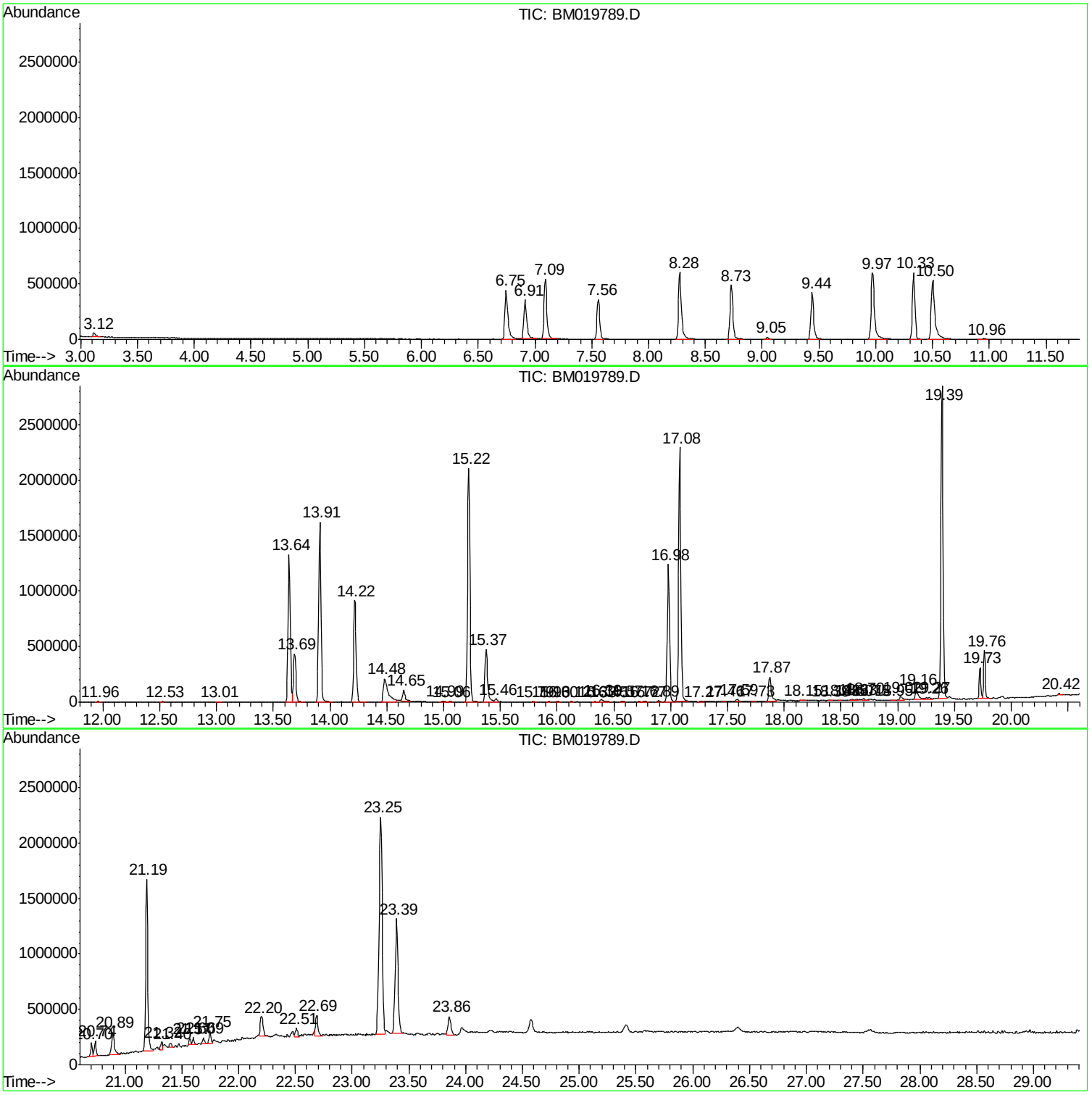
Data File : BM019789.D
Acq On : 08 Apr 2019 11:39
Operator : JU/SJ
Sample : K2254-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFC23

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040819\
Data File : BM019789.D
Acq On : 08 Apr 2019 11:39
Operator : JU/SJ
Sample : K2254-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFC23

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

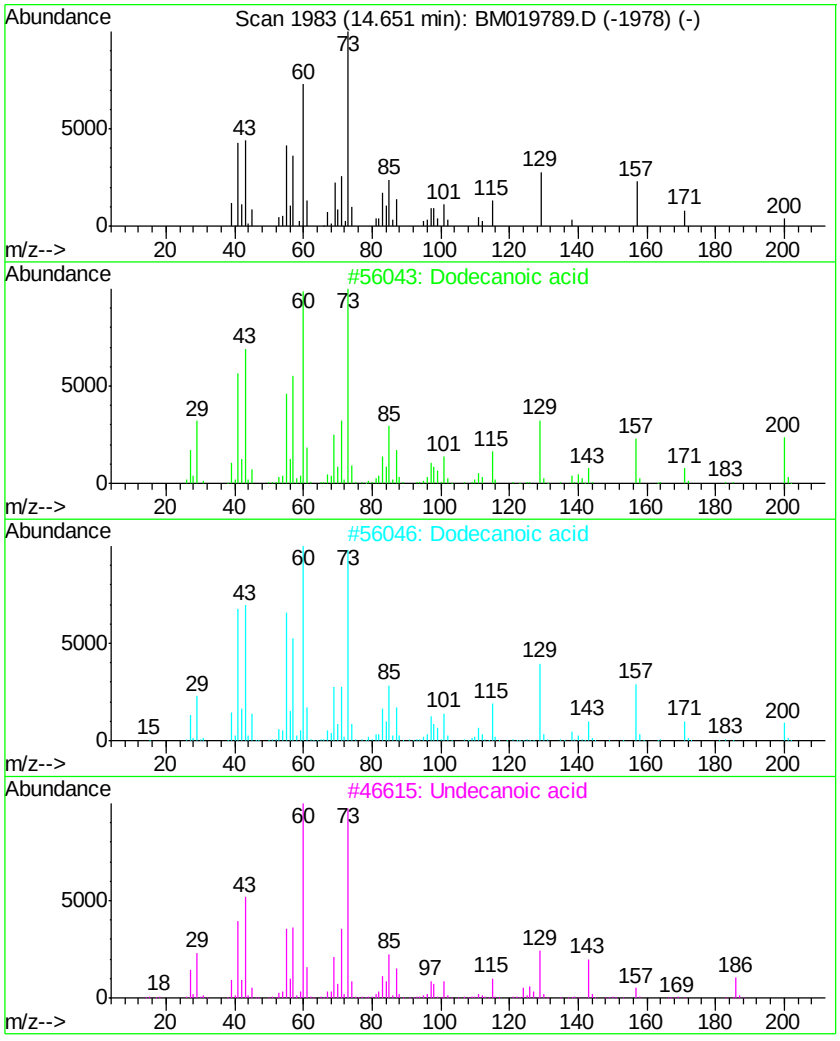
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

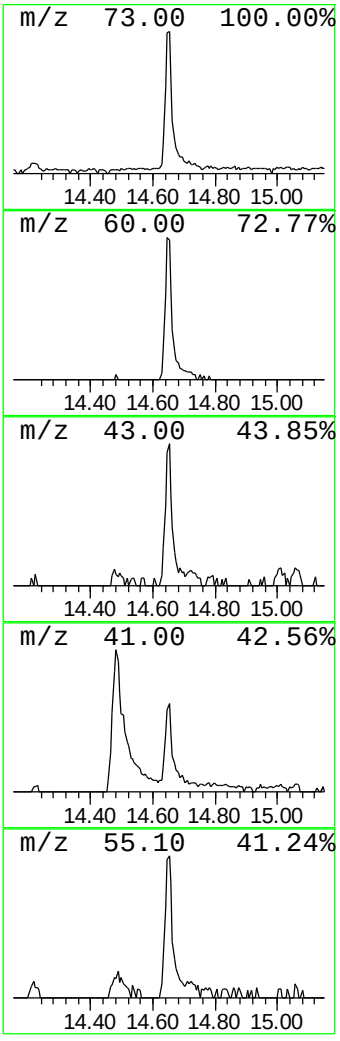
****

Peak Number 1 Dodecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.65	2.17 ng/ul	153687	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecanoic acid	200	C12H24O2	000143-07-7	94
2	Dodecanoic acid	200	C12H24O2	000143-07-7	83
3	Undecanoic acid	186	C11H22O2	000112-37-8	80
4	Undecanoic acid	186	C11H22O2	000112-37-8	50
5	n-Decanoic acid	172	C10H20O2	000334-48-5	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040819\
Data File : BM019789.D
Acq On : 08 Apr 2019 11:39
Operator : JU/SJ
Sample : K2254-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFC23

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

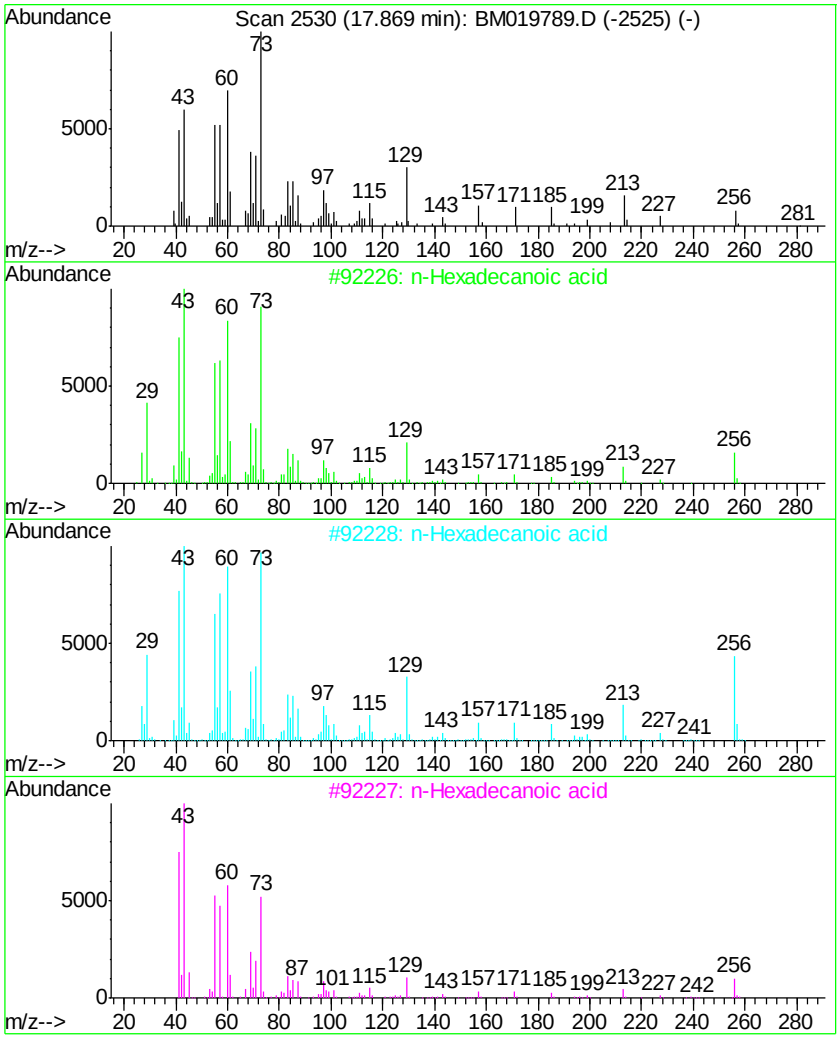
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

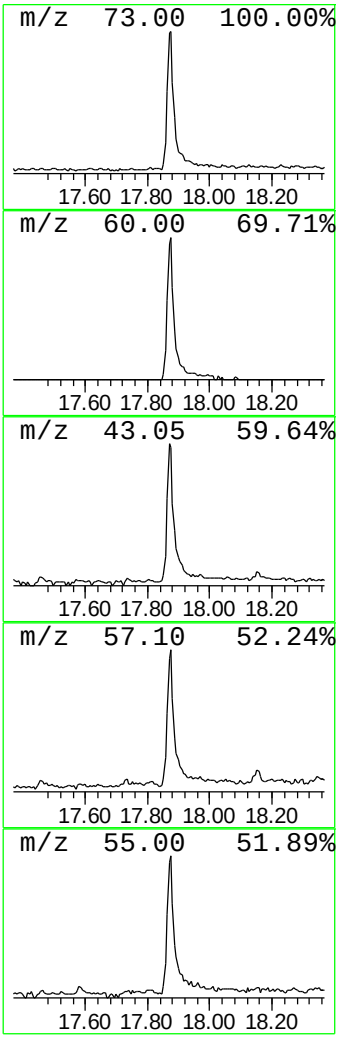
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	4.19 ng/ul	359988	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	59
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	52





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040819\
Data File : BM019789.D
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Sample : K2254-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFC23

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

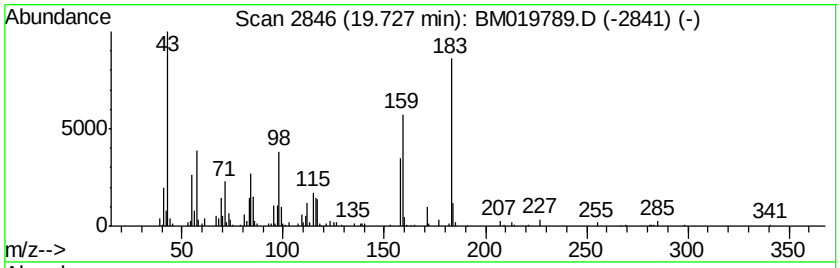
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

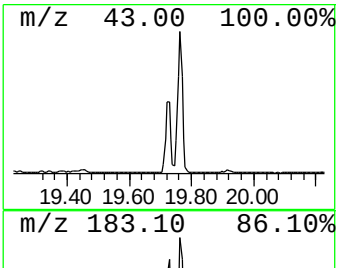
****

Peak Number 3 Dodecanoic acid, 2-hydroxy-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.73	3.14 ng/ul	315148	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecanoic acid, 2-hydroxy-1-(hy...	274	C15H30O4	001678-45-1	52
2	Hexadecanoic acid, 2,3-bis(acety...	414	C23H42O6	055268-70-7	35
3	Lauric anhydride	382	C24H46O3	000645-66-9	35
4	4-Nitrophenyl laurate	321	C18H27NO4	001956-11-2	25
5	1-[(4-Chlorophenyl)sulfonyl]acet...	247	C9H10ClNO3S	1000266-17-1	22





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Instrument : BNA_M
ClientSampleId : BFC23

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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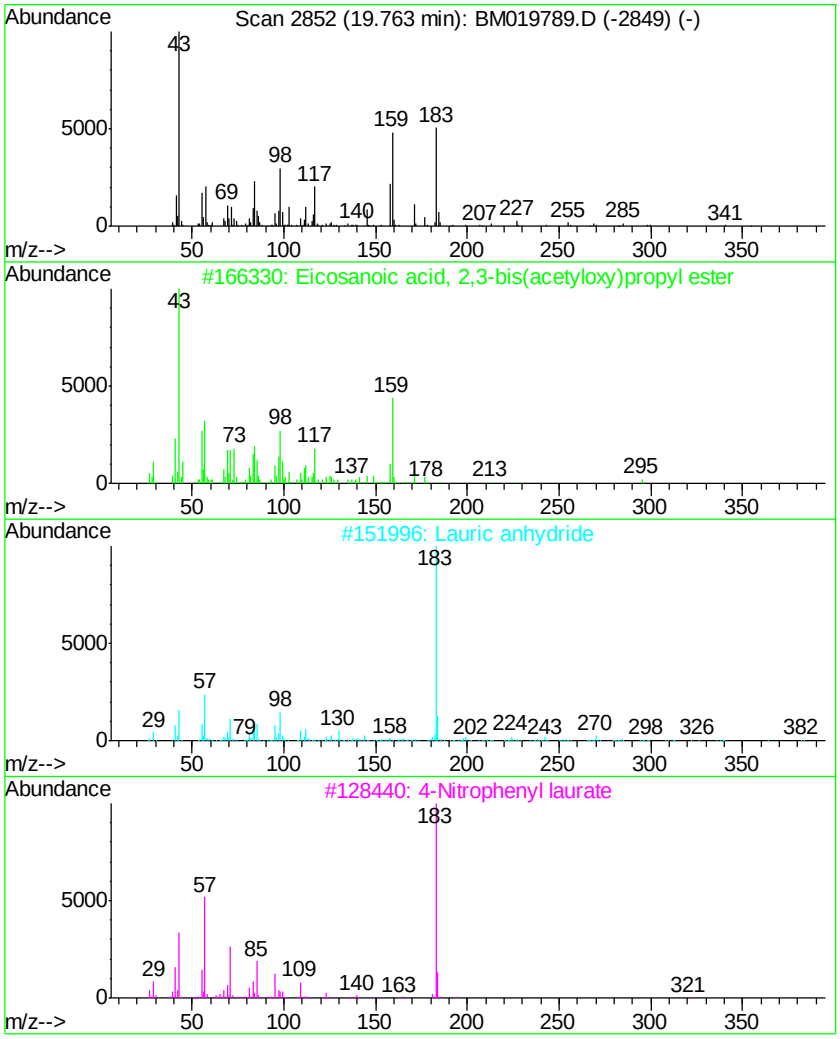
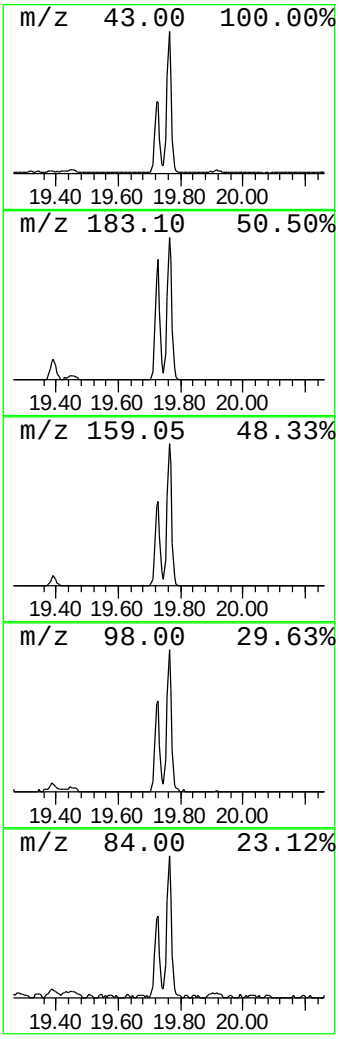
Peak Number 4 unknown-01 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.76	4.58 ng/ul	460766	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosanoic acid, 2,3-bis(acetylo...	470	C27H50O6	055429-67-9	32
2	Lauric anhydride	382	C24H46O3	000645-66-9	14
3	4-Nitrophenyl laurate	321	C18H27NO4	001956-11-2	10
4	4-Methyl-5-trifluoromethyl-4H-1,...	183	C4H4F3N3S	030682-81-6	10
5	4-Hydroxy-3-nitrobenzoic acid	183	C7H5NO5	000616-82-0	10





Library Search Compound Report

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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFC23

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

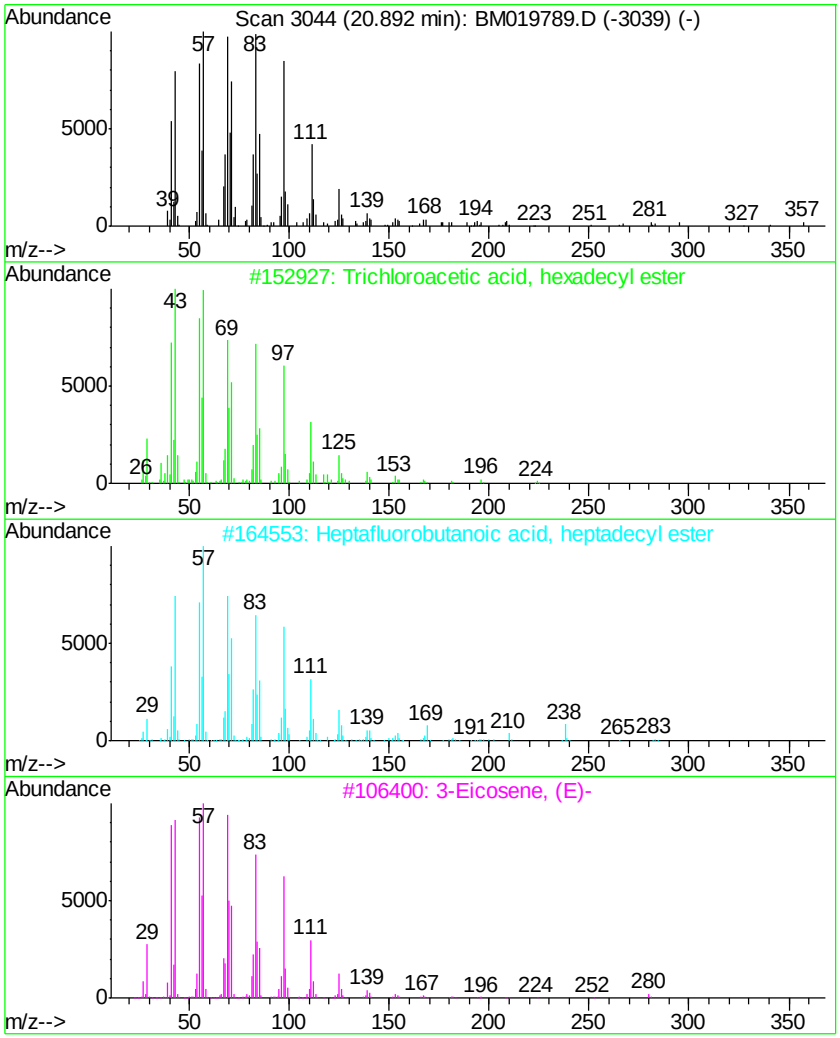
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

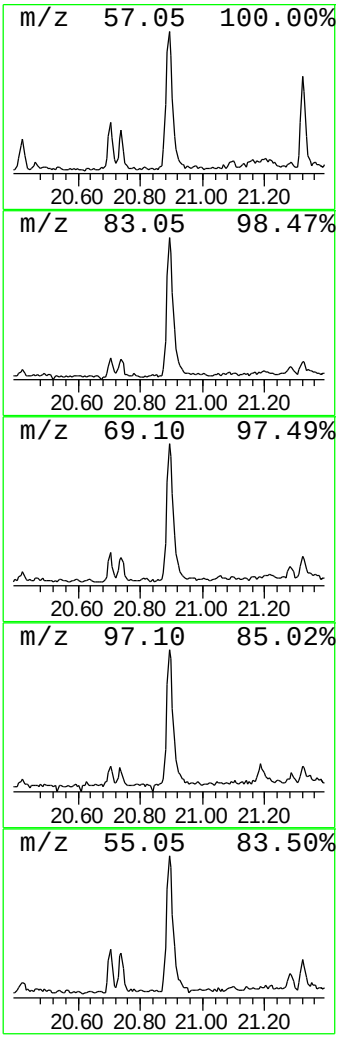
****

Peak Number 5 Trichloroacetic acid, hexad... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.89	3.68 ng/ul	369551	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91
2	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	91
3	3-Eicosene, (E)-	280	C20H40	074685-33-9	87
4	Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	87
5	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	1000283-04-2	83





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Data File : BM019789.D
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Operator : JU/SJ
Sample : K2254-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFC23

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

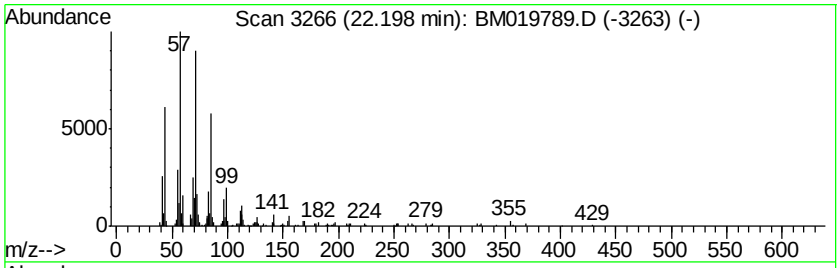
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

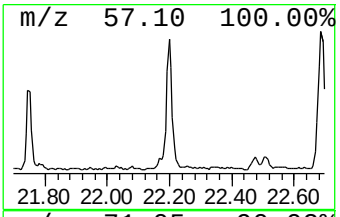
****

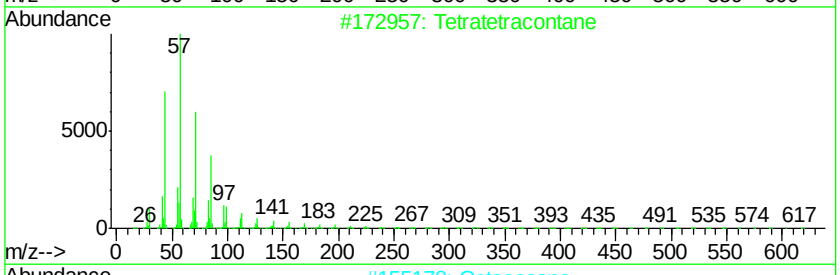
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 7

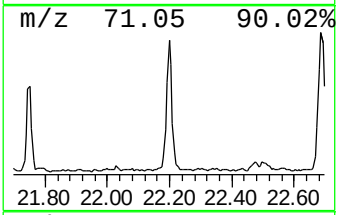
R.T.	EstConc	Area	Relative to ISTD	R.T.
22.20	2.92 ng/ul	293874	Chrysene-d12	21.19

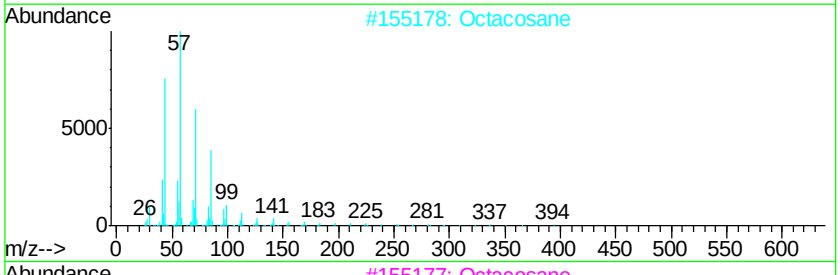
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratetracontane	619	C44H90	007098-22-8	60
2	Octacosane	394	C28H58	000630-02-4	52
3	Octacosane	394	C28H58	000630-02-4	49
4	Tritetracontane	605	C43H88	007098-21-7	49
5	Eicosane	282	C20H42	000112-95-8	49

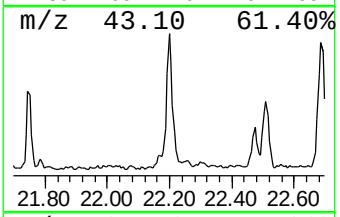


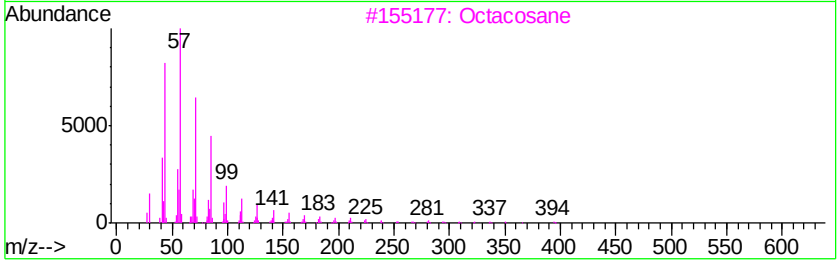


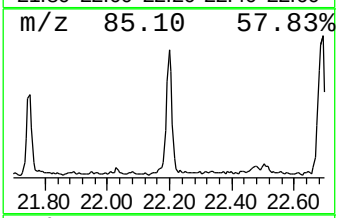


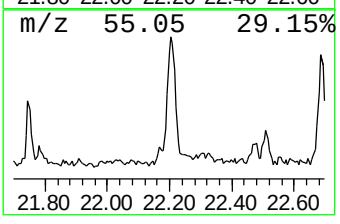












Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040819\
Data File : BM019789.D
Acq On : 08 Apr 2019 11:39
Operator : JU/SJ
Sample : K2254-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFC23

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

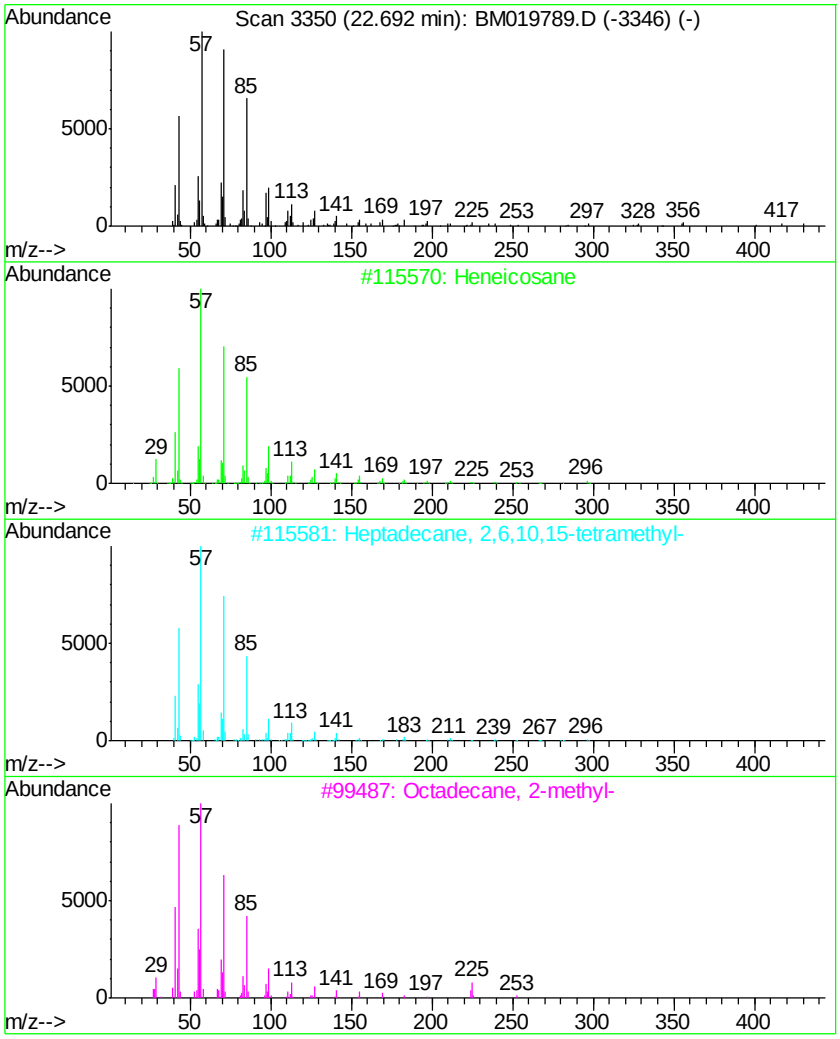
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

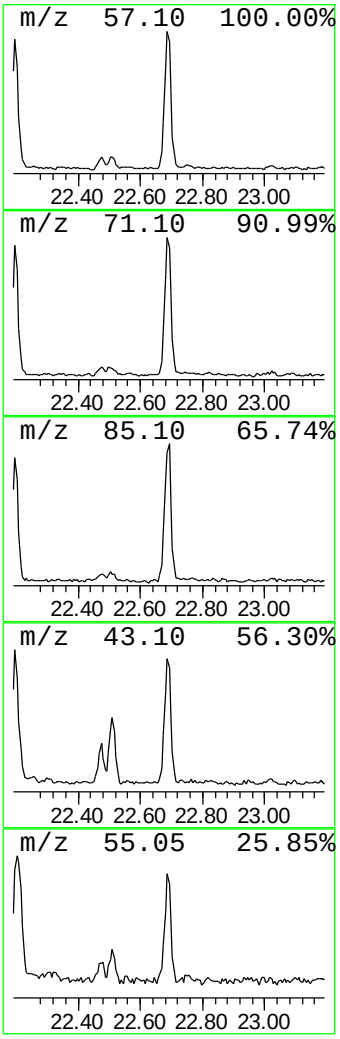
****

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.69	3.14 ng/ul	281717	Perylene-d12	23.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	97
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	94
3	Octadecane, 2-methyl-	268	C19H40	001560-88-9	90
4	Docosane	310	C22H46	000629-97-0	87
5	Hexadecane	226	C16H34	000544-76-3	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040819\
Data File : BM019789.D
Acq On : 08 Apr 2019 11:39
Operator : JU/SJ
Sample : K2254-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFC23

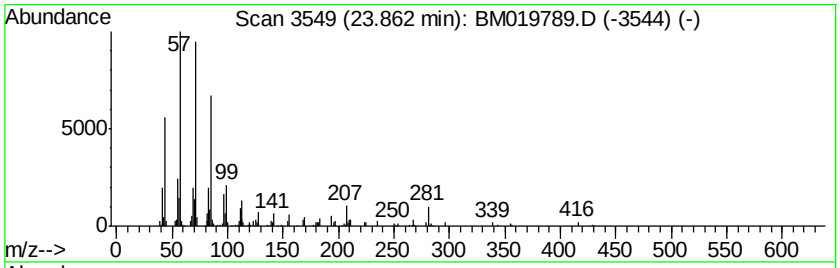
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

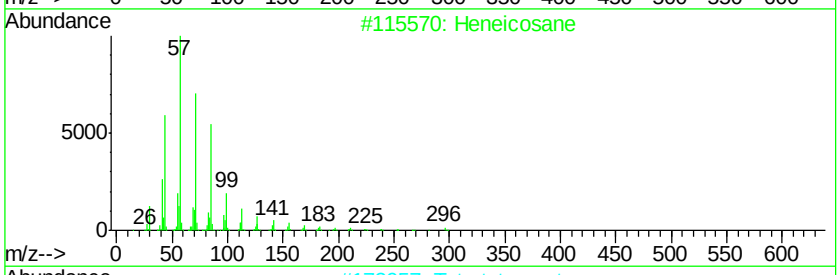
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

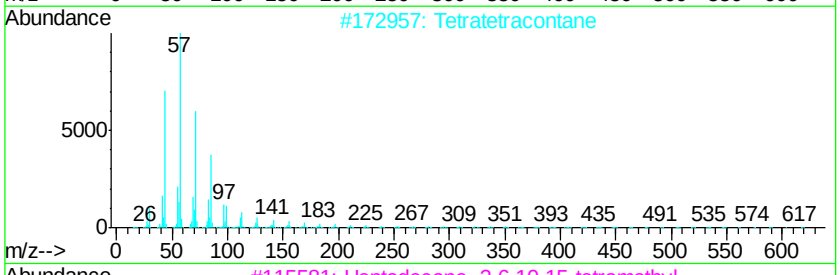
****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 4

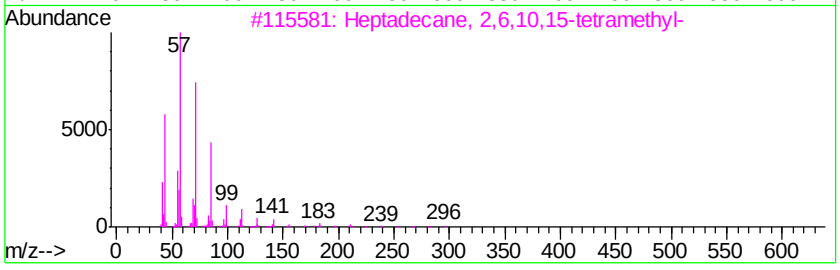
R.T.	EstConc	Area	Relative to ISTD	R.T.
23.86	3.15 ng/ul	281815	Perylene-d12	23.39

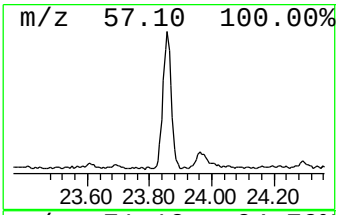
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	92
2	Tetratetracontane	619	C44H90	007098-22-8	81
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	76
4	Hexatriacontane	507	C36H74	000630-06-8	74
5	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	74

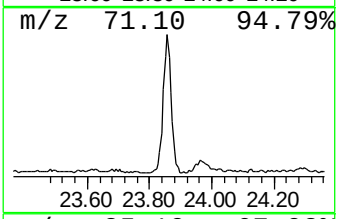


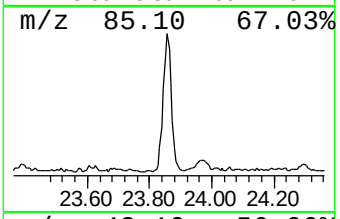


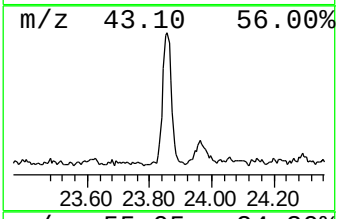


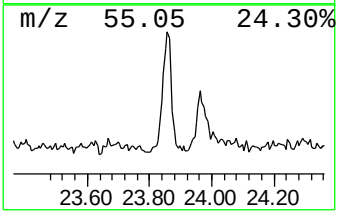












Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040819\
Data File : BM019789.D
Acq On : 08 Apr 2019 11:39
Operator : JU/SJ
Sample : K2254-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFC23

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Dodecanoic acid	14.65	2.2	ng/ul	153687	3	14.22	1419530	20.0
n-Hexadecanoic acid	17.87	4.2	ng/ul	359988	4	16.98	1720180	20.0
Dodecanoic acid, ...	19.73	3.1	ng/ul	315148	5	21.19	2009910	20.0
unknown-01	19.76	4.6	ng/ul	460766	5	21.19	2009910	20.0
Trichloroacetic a...	20.89	3.7	ng/ul	369551	5	21.19	2009910	20.0
(DEL) Alkane: Str...	22.20	2.9	ng/ul	293874	5	21.19	2009910	20.0
(DEL) Alkane: Str...	22.69	3.1	ng/ul	281717	6	23.39	1791980	20.0
(DEL) Alkane: Str...	23.86	3.1	ng/ul	281815	6	23.39	1791980	20.0