LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040819\
Data File : BM019798.D
Acq On : 08 Apr 2019 17:09
Operator : JU/SJ
Sample : K2254-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFC32

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	3.116	20	22	27	rBV	24754	34331	1.30%	0.118%
2	3.622	104	108	115	rBV2	18787	25785	0.98%	0.089%
3	3.805	137	139	145	rVB4	3780	4107	0.16%	0.014%
4	4.710	289	293	298	rVB2	4436	6297	0.24%	0.022%
5	6.751	634	640	660	rBV	188613	417420	15.79%	1.440%
6	6.916	662	668	686	rVV	174219	339281	12.83%	1.170%
7	7.093	692	698	716	rVB	259273	464709	17.58%	1.603%
8	7.557	771	777	786	rBV	465986	774516	29.29%	2.672%
9	7.687	797	799	803	rVB3	2158	2961	0.11%	0.010%
10	8.281	894	900	921	rBV	221959	452451	17.11%	1.561%
11	8.734	970	977	991	rBV	249582	454554	17.19%	1.568%
12	9.045	1024	1030	1038	rVB2	13848	21190	0.80%	0.073%
13	9.445	1091	1098	1115	rBV	214787	404606	15.30%	1.396%
14	9.981	1182	1189	1212	rBV	272693	634661	24.00%	2.190%
15	10.334	1242	1249	1263	rVB	763383	1263957	47.81%	4.361%
16	10.510	1270	1279	1299	rBV	183609	522478	19.76%	1.803%
17	11.963	1521	1526	1528	rBV4	2997	4117	0.16%	0.014%
18	13.010	1701	1704	1708	rVB2	3470	3716	0.14%	0.013%
19	13.639	1805	1811	1816	rBV	703215	1026903	38.84%	3.543%
20	13.692	1816	1820	1836	rVB	156114	255323	9.66%	0.881%
21	13.910	1849	1857	1874	rBV	847231	1239027	46.86%	4.275%
22	14.098	1887	1889	1895	rVB4	2786	3578	0.14%	0.012%
23	14.222	1903	1910	1924	rBV2	1231216	1874292	70.89%	6.466%
24	14.498	1952	1957	1979	rBV2	76089	279923	10.59%	0.966%
25	14.651	1979	1983	1991	rVV3	33580	60271	2.28%	0.208%
26	14.721	1993	1995	2000	rVB4	3253	4749	0.18%	0.016%
27	15.016	2041	2045	2048	rBV4	2421	3421	0.13%	0.012%
28	15.063	2048	2053	2057	rVV4	4466	5528	0.21%	0.019%
29	15.221	2074	2080	2090	rBV	1179002	1703246	64.42%	5.876%
30	15.292	2090	2092	2098	rVV2	6095	8471	0.32%	0.029%
31	15.380	2102	2107	2118	rVV	219598	379327	14.35%	1.309%
32	15.463	2118	2121	2126	rVB	14687	22683	0.86%	0.078%
33	15.621	2143	2148	2153	rBV3	2862	5000	0.19%	0.017%
34	15.921	2196	2199	2200	rBV3	3624	3080	0.12%	0.011%

LSC Area Percent Report

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Sample : K2254-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFC32

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	16.010	2210	2214	2220	rBV3	3388	4489	0.17%	0.015%
36	16.180	2237	2243	2248	rVB4	2241	4044	0.15%	0.014%
37	16.392	2274	2279	2284	rBV4	5168	10373	0.39%	0.036%
38	16.527	2296	2302	2309	rBV	22393	31001	1.17%	0.107%
39	16.727	2331	2336	2338	rBV	2573	3347	0.13%	0.012%
40	16.774	2338	2344	2349	rBV2	7379	13095	0.50%	0.045%
41	16.980	2373	2379	2390	rBV2	1676879	2289191	86.58%	7.898%
42	17.080	2390	2396	2411	rVB2	1212275	1759453	66.55%	6.070%
43	17.262	2425	2427	2432	rVB5	2769	4007	0.15%	0.014%
44	17.321	2434	2437	2441	rVB4	2853	4605	0.17%	0.016%
45	17.380	2441	2447	2451	rBV6	3886	9206	0.35%	0.032%
46	17.462	2457	2461	2465	rBV4	3468	4069	0.15%	0.014%
47	17.874	2526	2531	2541	rBV	165412	263598	9.97%	0.909%
48	18.039	2557	2559	2561	rBV3	3507	3308	0.13%	0.011%
49	18.057	2561	2562	2565	rVV3	2862	2848	0.11%	0.010%
50	18.239	2592	2593	2596	rBV3	3007	2787	0.11%	0.010%
51	18.274	2596	2599	2601	rBV4	3821	3185	0.12%	0.011%
52	18.557	2644	2647	2650	rBV4	3710	4959	0.19%	0.017%
53	18.592	2650	2653	2657	rVV5	10892	14786	0.56%	0.051%
54	18.639	2657	2661	2665	rVB4	15519	19757	0.75%	0.068%
55	18.739	2675	2678	2681	rBV5	3117	4307	0.16%	0.015%
56	18.798	2686	2688	2691	rVB3	4960	4662	0.18%	0.016%
57	18.921	2707	2709	2712	rBV4	2977	3704	0.14%	0.013%
58	18.956	2713	2715	2718	rBV4	4368	6846	0.26%	0.024%
59	19.021	2722	2726	2736	rVV3	18337	43253	1.64%	0.149%
60	19.162	2746	2750	2760	rBV2	89013	154993	5.86%	0.535%
61	19.280	2768	2770	2773	rVB	11860	11144	0.42%	0.038%
62	19.392	2783	2789	2797	rBV	1440659	1938923	73.33%	6.689%
63	19.639	2829	2831	2833	rBV2	5693	3602	0.14%	0.012%
64	19.727	2842	2846	2849	rBV	224153	250775	9.48%	0.865%
65	19.762	2849	2852	2857	rVB	438152	464388	17.56%	1.602%
66	20.262	2935	2937	2940	rBV4	15560	21706	0.82%	0.075%
67	20.421	2961	2964	2969	rBV4	32099	41108	1.55%	0.142%
68	20.703	3009	3012	3015	rBV	101578	105088	3.97%	0.363%
69	20.739	3015	3018	3023	rVB	202107	220029	8.32%	0.759%
70	20.892	3040	3044	3051	rBV	401159	603577	22.83%	2.082%
71	21.192	3090	3095	3108	rBV	2009535	2643981	100.00%	9.122%

LSC Area Percent Report

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Misc :
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Instrument : BNA_M
ClientSampleId : BFC32

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	21.327	3115	3118	3120	rBV	82938	87068	3.29%	0.300%
73	21.603	3162	3165	3170	rVB2	97969	108165	4.09%	0.373%
74	21.750	3187	3190	3193	rBV	110821	126651	4.79%	0.437%
75	22.197	3263	3266	3270	rBV	147426	175789	6.65%	0.606%
76	22.692	3347	3350	3354	rVB	208091	244847	9.26%	0.845%
77	23.250	3438	3445	3453	rBV	966758	2086620	78.92%	7.199%
78	23.397	3463	3470	3481	rVB2	1140641	2140841	80.97%	7.386%
79	23.856	3545	3548	3559	rVB	199222	336038	12.71%	1.159%

Sum of corrected areas: 28986172

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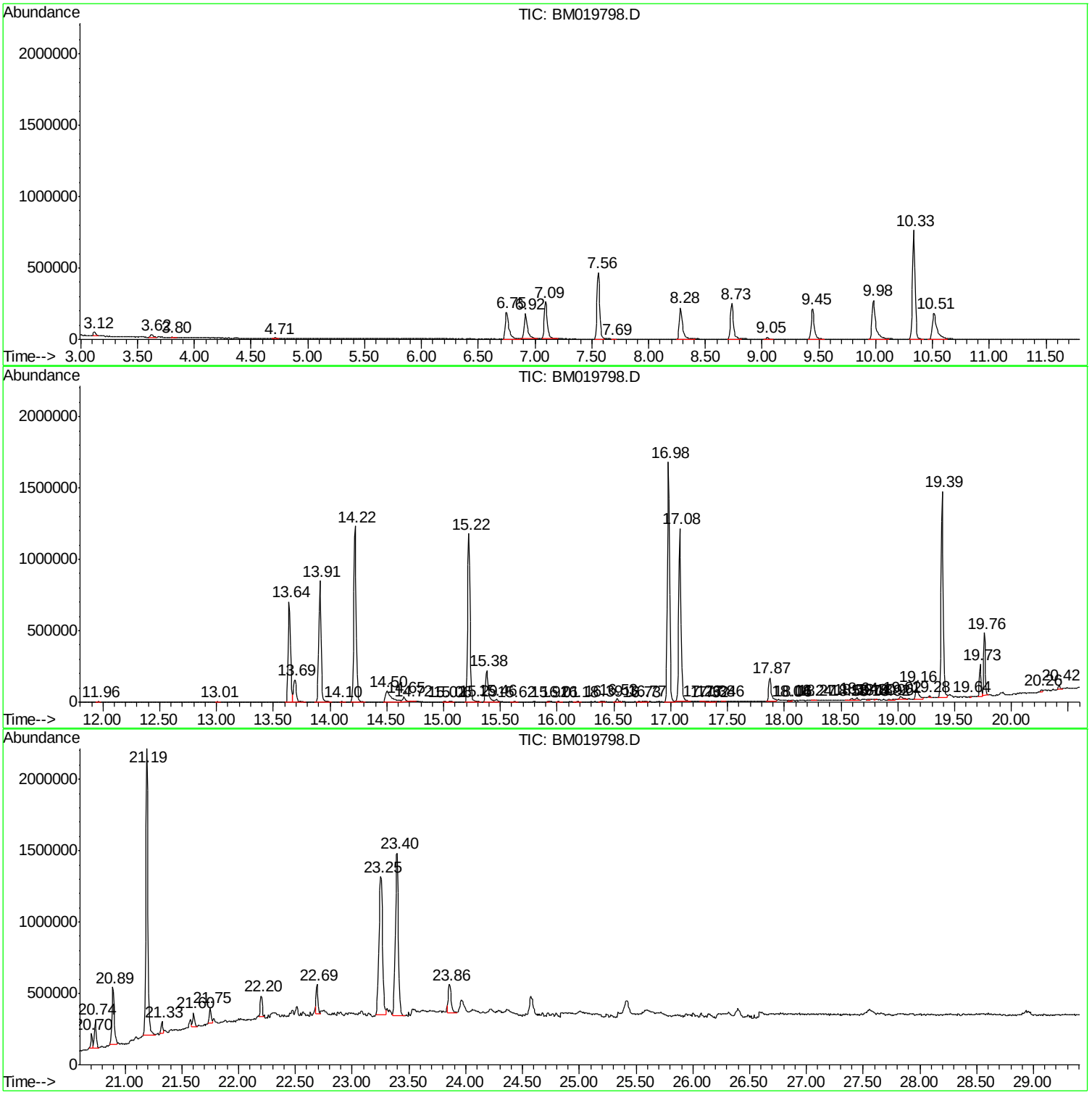
Instrument :
BNA_M
ClientSampleId :
BFC32

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 : BM019798.D
Acq On : 08 Apr 2019 17:09
Operator : JU/SJ
Sample : K2254-12
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BFC32

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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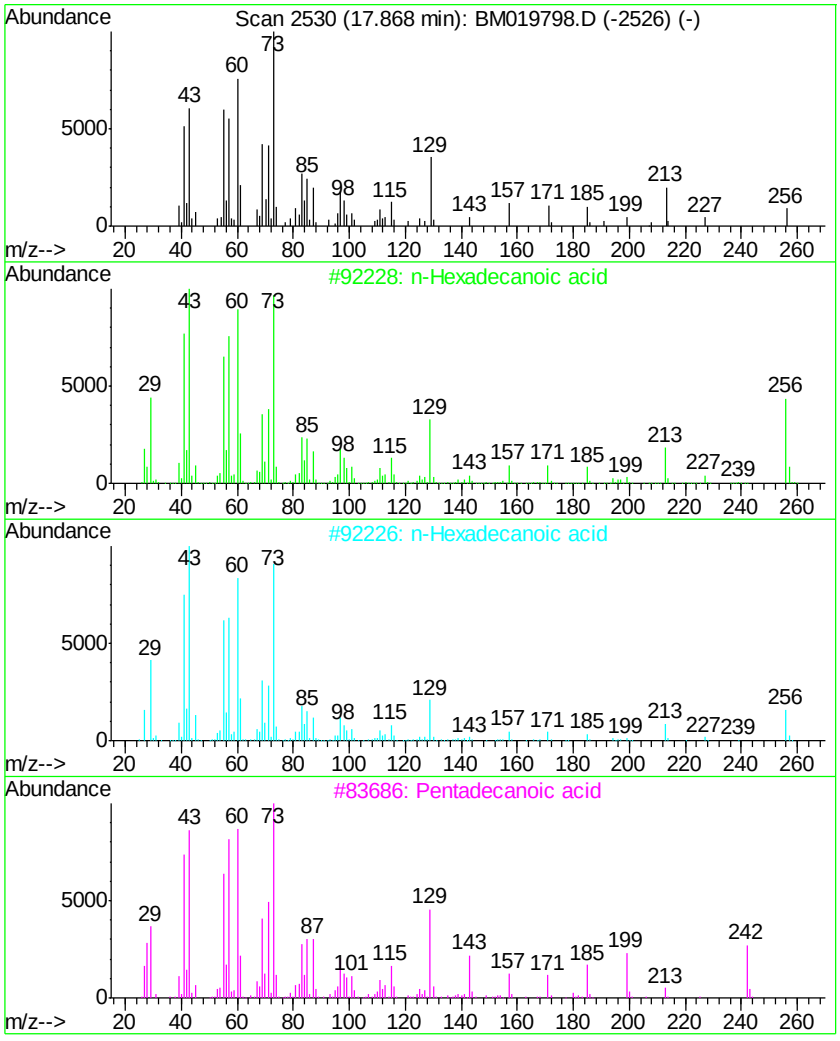
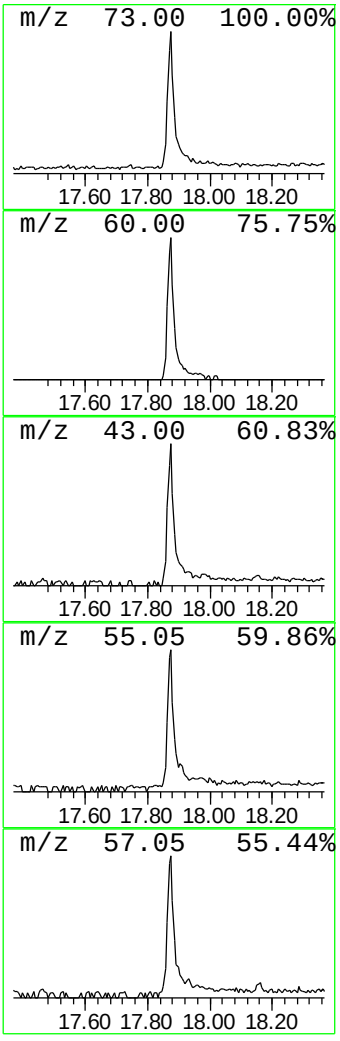
Peak Number 1 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	2.30 ng/ul	263598	Phenanthrene-d10	16.98

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	94
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	43





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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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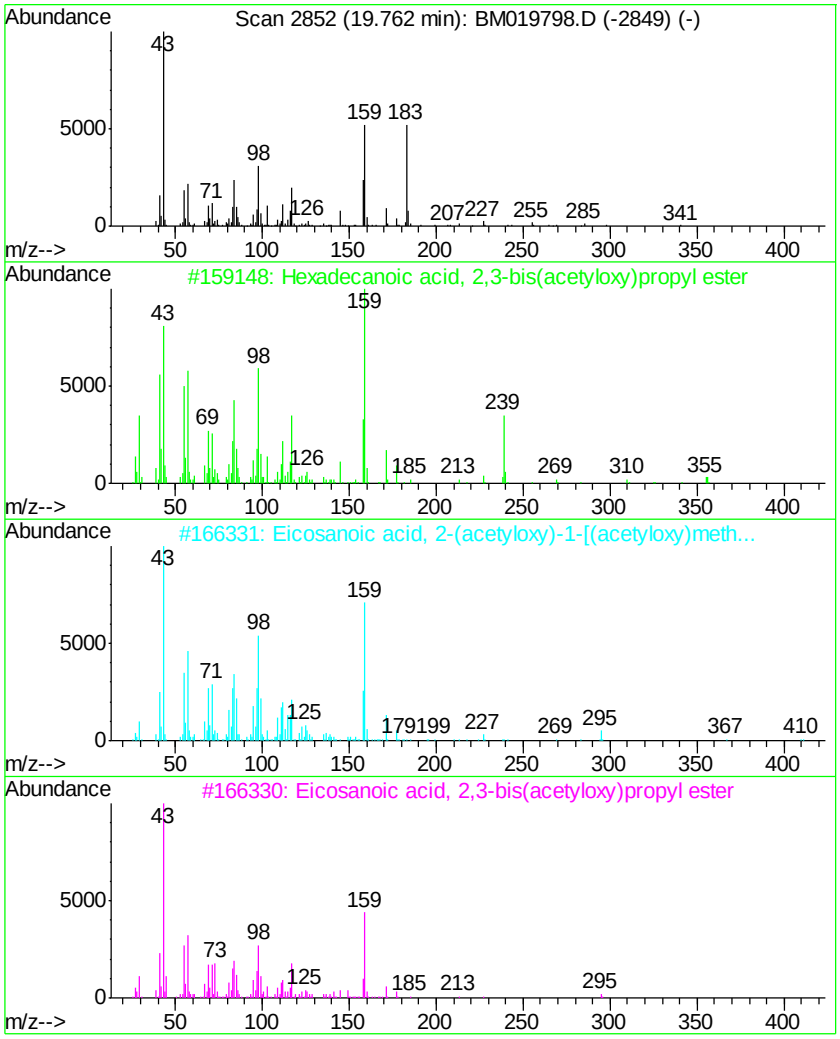
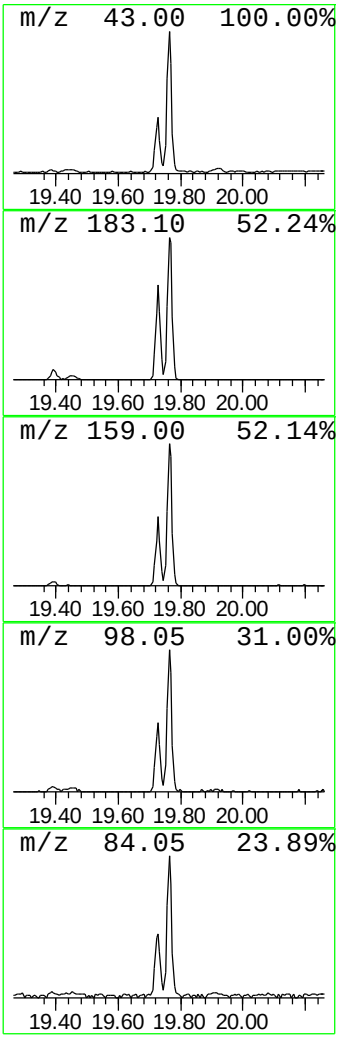
Peak Number 2 Hexadecanoic acid, 2,3-bis(... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.76	3.51 ng/ul	464388	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, 2,3-bis(acety...	414	C23H42O6	055268-70-7	62
2	Eicosanoic acid, 2-(acetyloxy)-1...	470	C27H50O6	055429-68-0	50
3	Eicosanoic acid, 2,3-bis(acetylo...	470	C27H50O6	055429-67-9	16
4	2,3,4-Trifluorobenzoic acid, 6-e...	316	C17H23F3O2	1000282-58-3	14
5	4-Hydroxy-3-nitrobenzoic acid	183	C7H5NO5	000616-82-0	10





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM040819\
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Instrument : BNA_M
ClientSampleId : BFC32

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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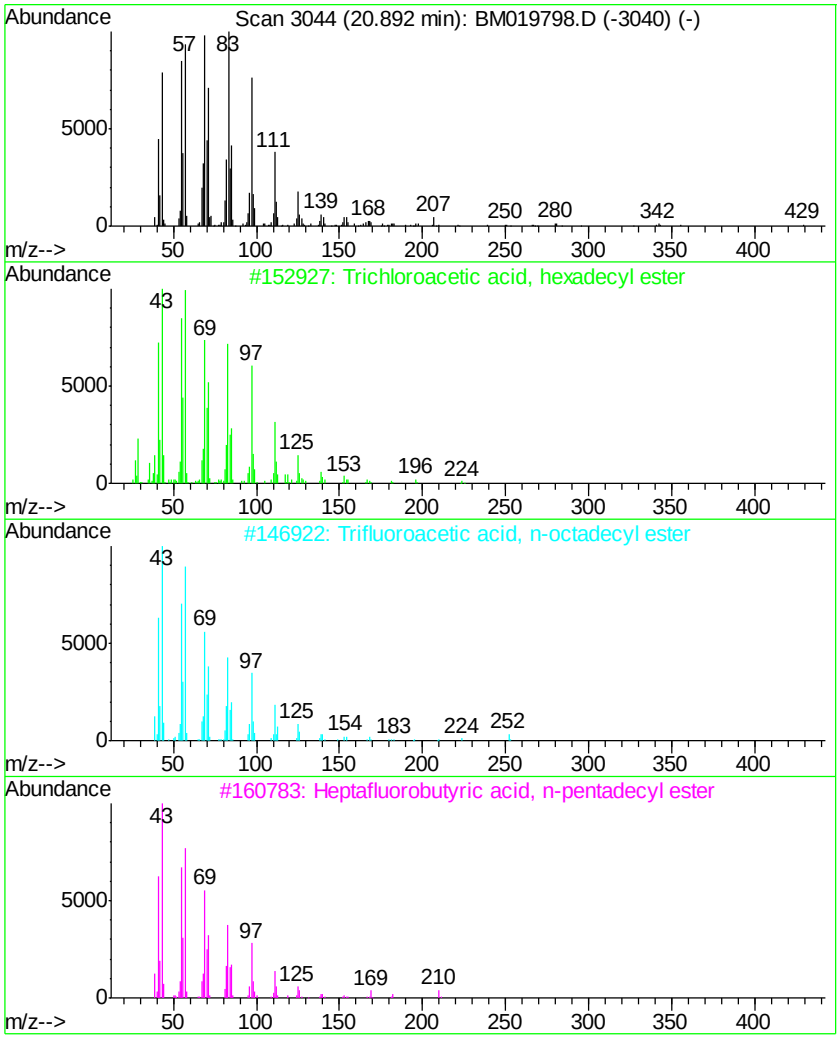
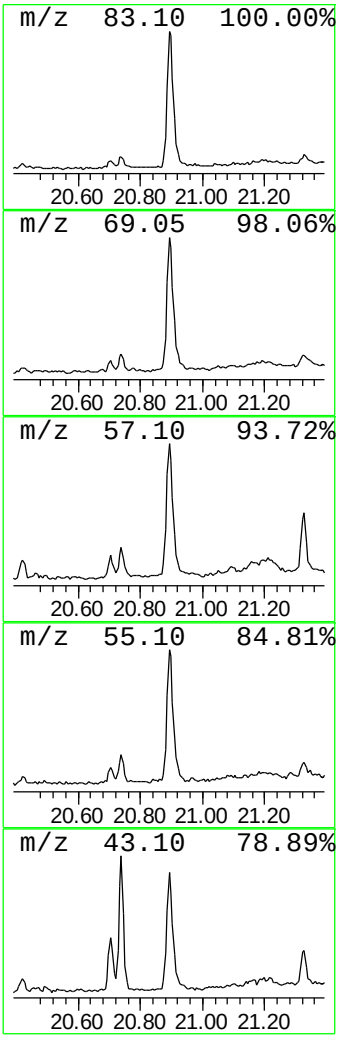
Peak Number 3 Trichloroacetic acid, hexad... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.89	4.57 ng/ul	603577	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91
2	Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	91
3	Heptafluorobutyric acid, n-penta...	424	C19H31F7O2	1000216-79-3	91
4	Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	90
5	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	90





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Quant Title : SVOA CALIBRATION

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

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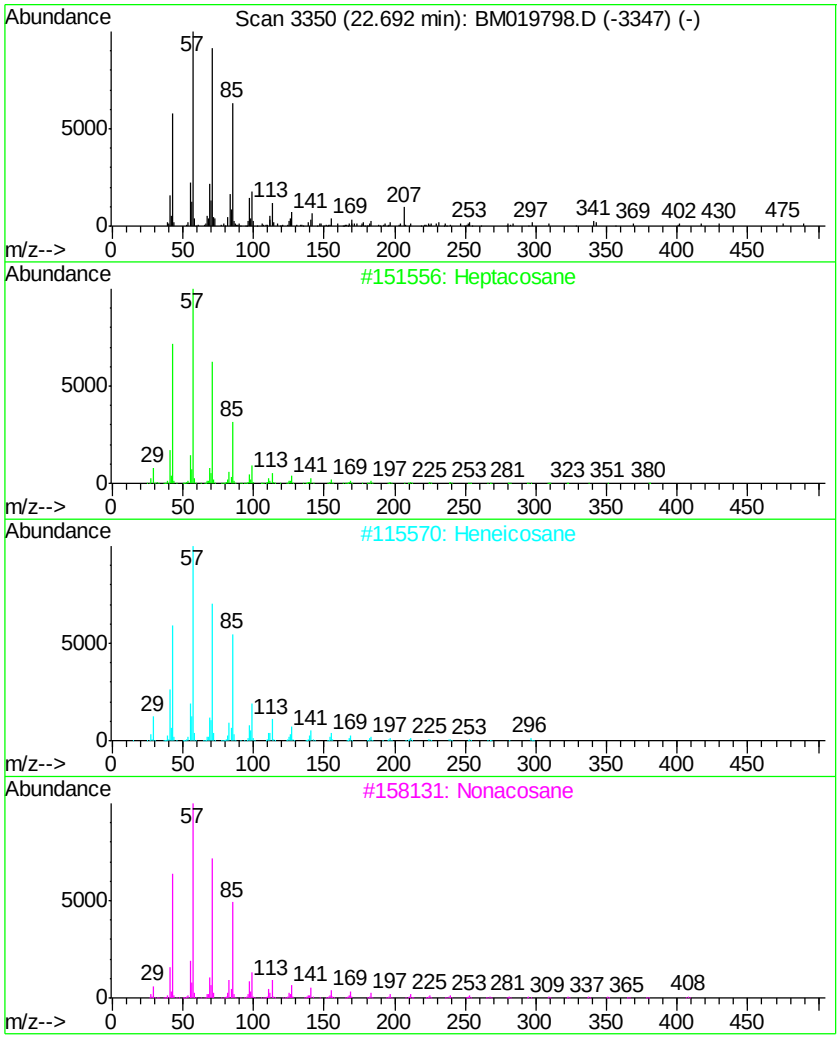
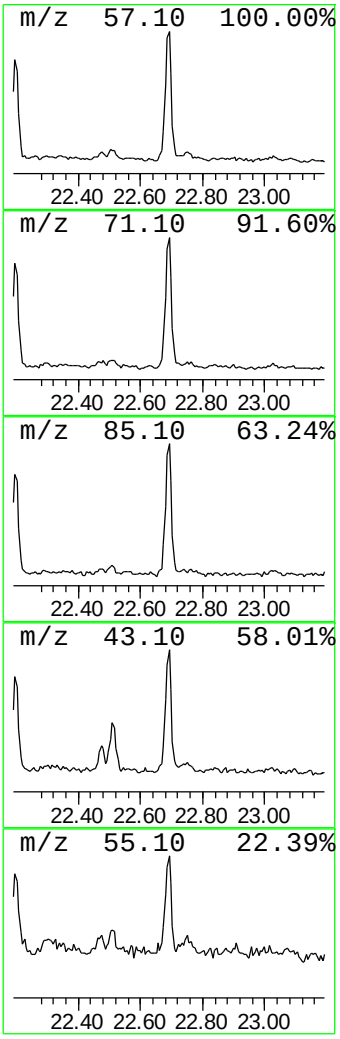
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.69	2.29 ng/ul	244847	Perylene-d12	23.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	87
2	Heneicosane	296	C21H44	000629-94-7	83
3	Nonacosane	408	C29H60	000630-03-5	83
4	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	83
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	83





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Misc :
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Instrument : BNA_M
ClientSampleId : BFC32

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

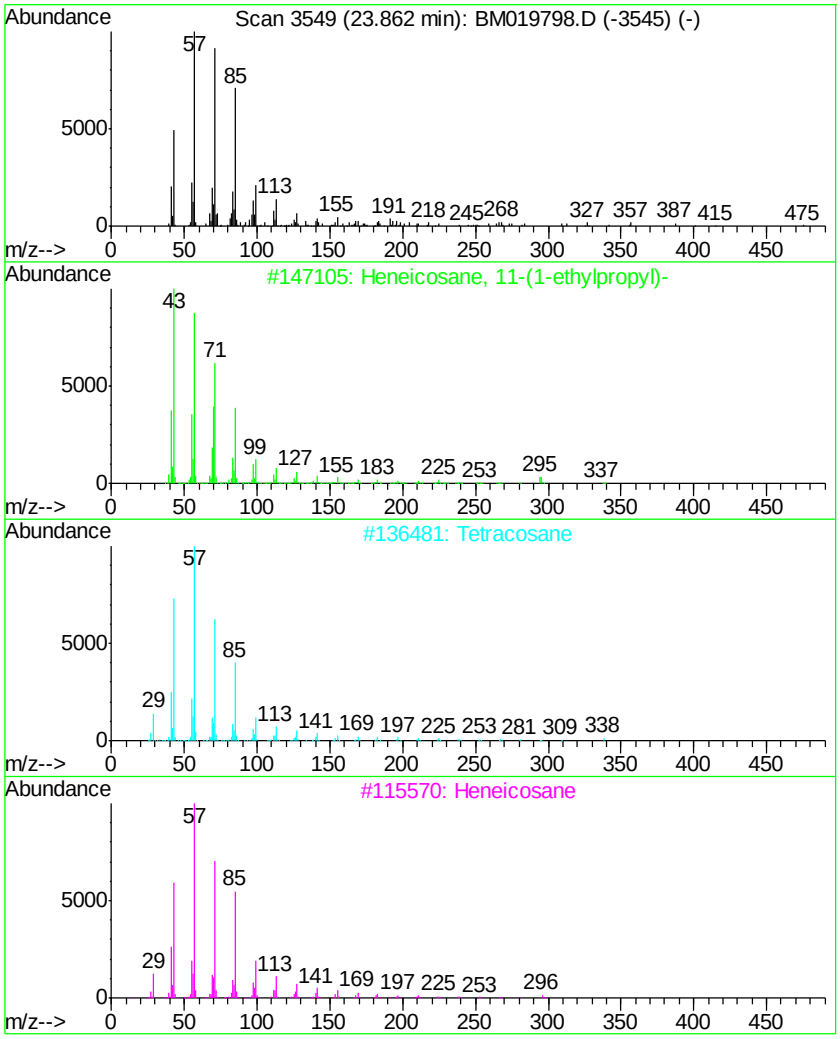
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

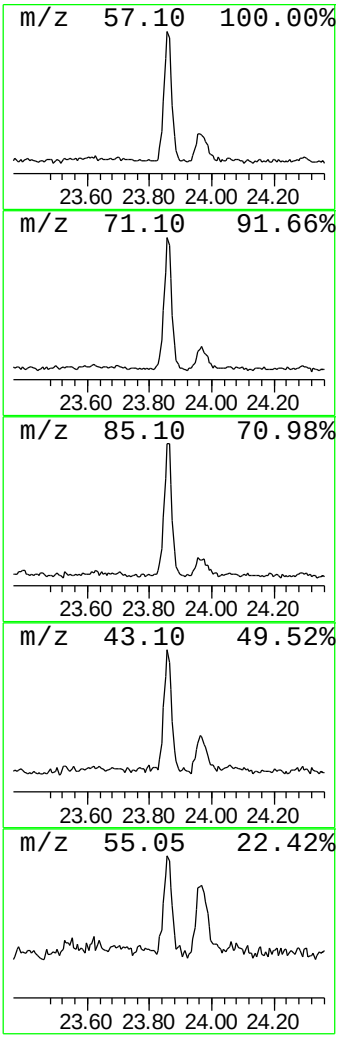
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.86	3.14 ng/ul	336038	Perylene-d12	23.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	86
2	Tetracosane	338	C24H50	000646-31-1	80
3	Heneicosane	296	C21H44	000629-94-7	80
4	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	80
5	Tridecane, 7-hexyl-	268	C19H40	007225-66-3	80





Tentatively Identified Compound (LSC) summary

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Data File : BM019798.D
Acq On : 08 Apr 2019 17:09
Operator : JU/SJ
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Instrument : BNA_M
ClientSampleId : BFC32

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
n-Hexadecanoic acid	17.87	2.3	ng/ul	263598	4	16.98	2289190	20.0
Hexadecanoic acid...	19.76	3.5	ng/ul	464388	5	21.19	2643980	20.0
Trichloroacetic a...	20.89	4.6	ng/ul	603577	5	21.19	2643980	20.0
(DEL) Alkane: Str...	22.69	2.3	ng/ul	244847	6	23.40	2140840	20.0
(DEL) Alkane: Str...	23.86	3.1	ng/ul	336038	6	23.40	2140840	20.0