LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020921\
Data File : BM028699.D
Acq On : 09 Feb 2021 23:57
Operator : CG/JU
Sample : M1310-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0A21

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-BM011621MA.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	3.111	18	21	23	rBV4	529	697	0.17%	0.014%
2	3.205	34	37	45	rVB	4388	5531	1.33%	0.108%
3	3.534	91	93	103	rVB2	1052	2195	0.53%	0.043%
4	3.881	145	152	157	rVB2	1868	3185	0.77%	0.062%
5	3.981	165	169	173	rVB	1248	1685	0.40%	0.033%
6	4.940	328	332	334	rBV	4935	6756	1.62%	0.132%
7	4.963	334	336	343	rVB	4321	5823	1.40%	0.114%
8	5.099	357	359	362	rBV	419	526	0.13%	0.010%
9	7.063	687	693	705	rBB	76961	129415	31.10%	2.525%
10	7.222	715	720	729	rBB	57029	90547	21.76%	1.766%
11	7.422	748	754	764	rBB	80306	125512	30.16%	2.449%
12	7.504	765	768	776	rBV	3664	5392	1.30%	0.105%
13	7.893	828	834	841	rBB	101300	154313	37.09%	3.011%
14	8.616	951	957	967	rBB	87373	135027	32.45%	2.634%
15	8.734	972	977	982	rBB	4663	7184	1.73%	0.140%
16	9.069	1027	1034	1043	rBB	69277	111017	26.68%	2.166%
17	9.445	1095	1098	1101	rBB	1048	1181	0.28%	0.023%
18	9.787	1150	1156	1164	rBB	57751	92718	22.28%	1.809%
19	10.269	1235	1238	1240	rBB	514	441	0.11%	0.009%
20	10.328	1242	1248	1256	rBV	90362	143043	34.38%	2.791%
21	10.704	1305	1312	1320	rBB	129648	215663	51.83%	4.207%
22	10.845	1330	1336	1347	rBV	74450	123773	29.75%	2.415%
23	12.292	1579	1582	1585	rBB	1053	1249	0.30%	0.024%
24	13.363	1760	1764	1765	rBB	621	686	0.16%	0.013%
25	13.433	1773	1776	1780	rBB	1070	1457	0.35%	0.028%
26	13.957	1859	1865	1869	rBV	148863	194154	46.66%	3.788%
27	14.004	1869	1873	1878	rVB	24585	31864	7.66%	0.622%
28	14.239	1907	1913	1920	rBV	182728	252583	60.70%	4.928%
29	14.433	1942	1946	1948	rBB	667	650	0.16%	0.013%
30	14.545	1959	1965	1971	rBB	188818	270560	65.02%	5.278%
31	14.763	1996	2002	2014	rBB	55705	82870	19.92%	1.617%
32	14.963	2031	2036	2037	rBB	571	580	0.14%	0.011%
33	15.363	2100	2104	2106	rBV	3423	3423	0.82%	0.067%
34	15.380	2106	2107	2110	rVB2	887	644	0.15%	0.013%

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Instrument : BNA_M
ClientSampleId : C0A21

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.M
Title : SVOA CALIBRATION

35	15.539	2127	2134	2140	rBV	209469	294286	70.72%	5.741%
36	15.669	2151	2156	2163	rBB	63297	80779	19.41%	1.576%
37	15.774	2171	2174	2177	rVB	1351	1378	0.33%	0.027%
38	15.916	2195	2198	2203	rBB2	8674	9372	2.25%	0.183%
39	15.951	2203	2204	2209	rBV	328	434	0.10%	0.008%
40	16.239	2249	2253	2255	rVB2	698	917	0.22%	0.018%
41	16.504	2293	2298	2301	rVB	1913	2472	0.59%	0.048%
42	17.027	2385	2387	2390	rVV3	802	822	0.20%	0.016%
43	17.063	2390	2393	2398	rVB2	375	627	0.15%	0.012%
44	17.168	2408	2411	2416	rBV4	1608	2364	0.57%	0.046%
45	17.233	2419	2422	2424	rBV2	1295	1310	0.31%	0.026%
46	17.280	2424	2430	2436	rVV	222440	298734	71.79%	5.828%
47	17.380	2441	2447	2454	rVB	223347	308449	74.13%	6.018%
48	17.657	2490	2494	2496	rBV2	417	439	0.11%	0.009%
49	17.957	2542	2545	2547	rBV2	374	436	0.10%	0.009%
50	18.039	2555	2559	2566	rVB3	2439	3005	0.72%	0.059%
51	18.098	2566	2569	2574	rBV3	5736	7558	1.82%	0.147%
52	18.162	2575	2580	2589	rBV	82320	106864	25.68%	2.085%
53	18.457	2625	2630	2635	rVV5	1456	3203	0.77%	0.062%
54	18.580	2647	2651	2656	rBV	5595	6231	1.50%	0.122%
55	18.657	2659	2664	2666	rVB3	702	840	0.20%	0.016%
56	18.715	2671	2674	2675	rVV2	706	707	0.17%	0.014%
57	18.739	2675	2678	2681	rVV2	1262	1329	0.32%	0.026%
58	18.909	2705	2707	2711	rVV3	530	521	0.13%	0.010%
59	18.962	2712	2716	2717	rBV3	626	873	0.21%	0.017%
60	19.015	2720	2725	2730	rVB5	1425	2487	0.60%	0.049%
61	19.074	2733	2735	2738	rBV2	1432	1529	0.37%	0.030%
62	19.157	2745	2749	2752	rVB4	1125	1338	0.32%	0.026%
63	19.198	2752	2756	2757	rBV3	1112	1443	0.35%	0.028%
64	19.221	2758	2760	2761	rBV2	670	521	0.13%	0.010%
65	19.292	2767	2772	2773	rBV3	6673	8016	1.93%	0.156%
66	19.315	2773	2776	2778	rVV2	6544	8095	1.95%	0.158%
67	19.427	2791	2795	2804	rBV	41808	57565	13.83%	1.123%
68	19.539	2811	2814	2819	rVB3	2612	3614	0.87%	0.071%
69	19.656	2828	2834	2842	rVB	281451	364146	87.51%	7.104%
70	20.086	2905	2907	2909	rBV3	1413	984	0.24%	0.019%
71	20.380	2955	2957	2958	rBV2	1732	1196	0.29%	0.023%

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Instrument : BNA_M
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Integration Parameters: LSCINT.P
Integrator: RTE
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Sampling : 1 Min Area: 0.1 % of largest Peak
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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.M
Title : SVOA CALIBRATION

72	21.133	3080	3085	3093	rBV2	76936	117619	28.27%	2.295%
73	21.327	3116	3118	3121	rBV2	7078	8259	1.98%	0.161%
74	21.427	3130	3135	3140	rBV	269578	340784	81.90%	6.648%
75	22.950	3391	3394	3398	rVB2	28304	38214	9.18%	0.746%
76	23.521	3485	3491	3498	rVB	234858	416101	100.00%	8.118%
77	23.662	3509	3515	3523	rVB2	193173	348706	83.80%	6.803%
78	24.162	3595	3600	3607	rVB	38078	68899	16.56%	1.344%

Sum of corrected areas: 5125810

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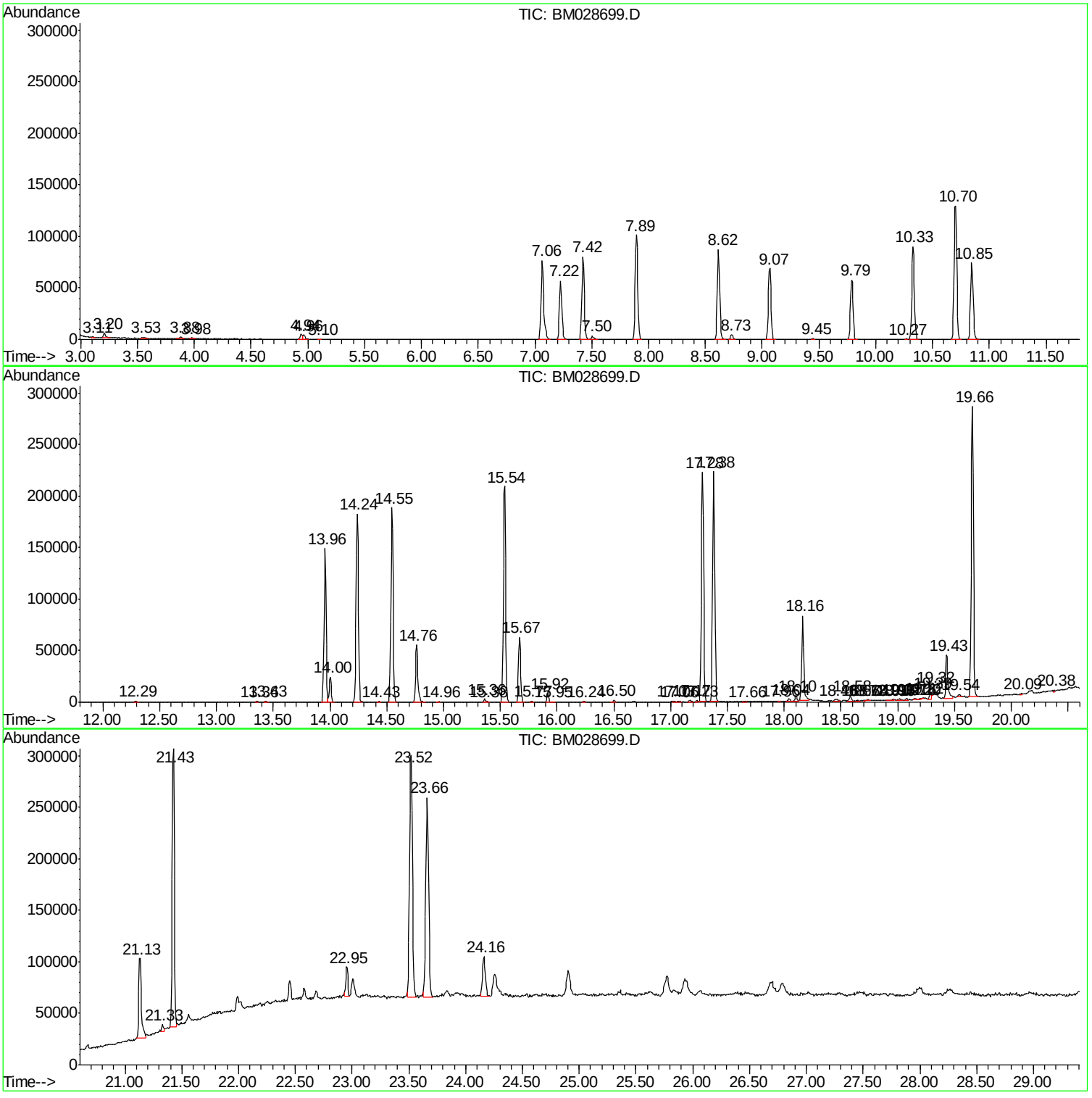
Instrument :
BNA_M
ClientSampleId :
C0A21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.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 : C0A21

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Quant Title : SVOA CALIBRATION

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

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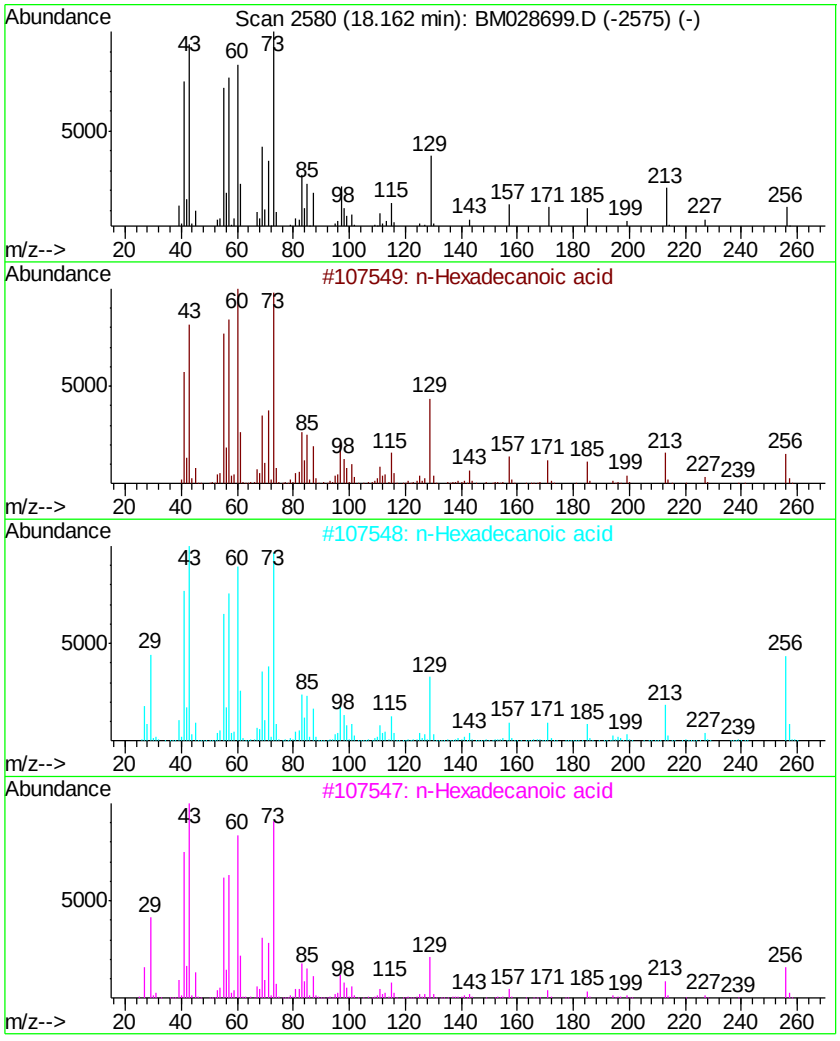
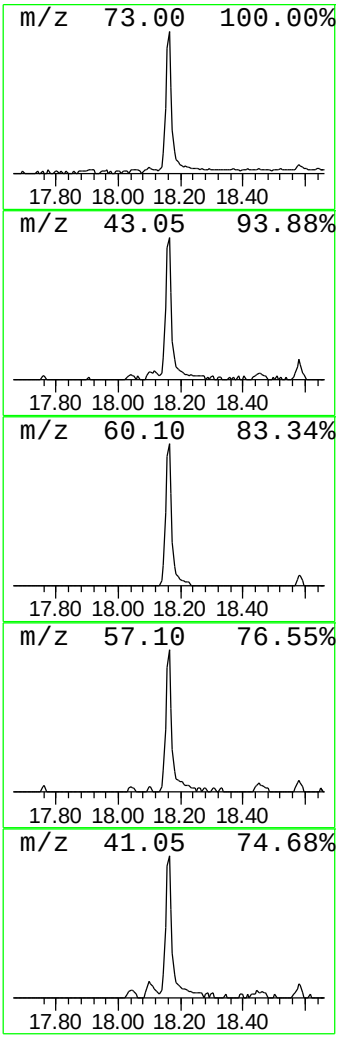
Peak Number 1 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	7.15 ng/ul	106864	Phenanthrene-d10	17.28

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	87
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
5	Tridecanoic acid	214	C13H26O2	000638-53-9	76





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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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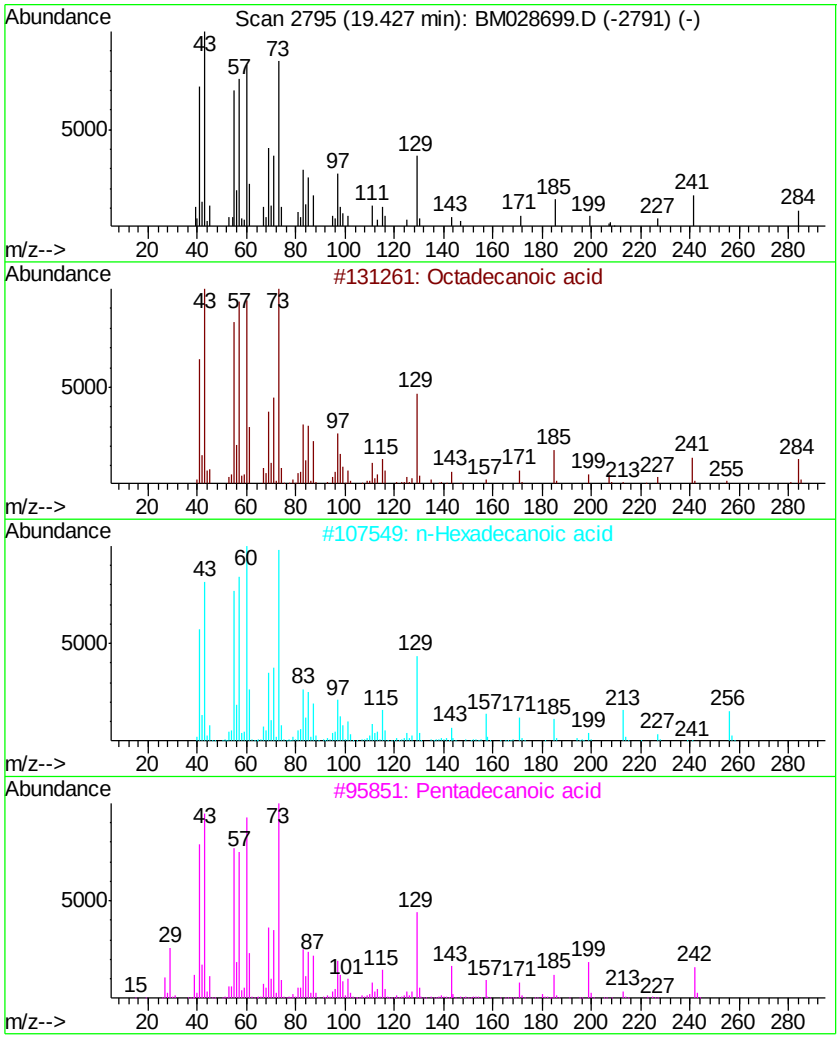
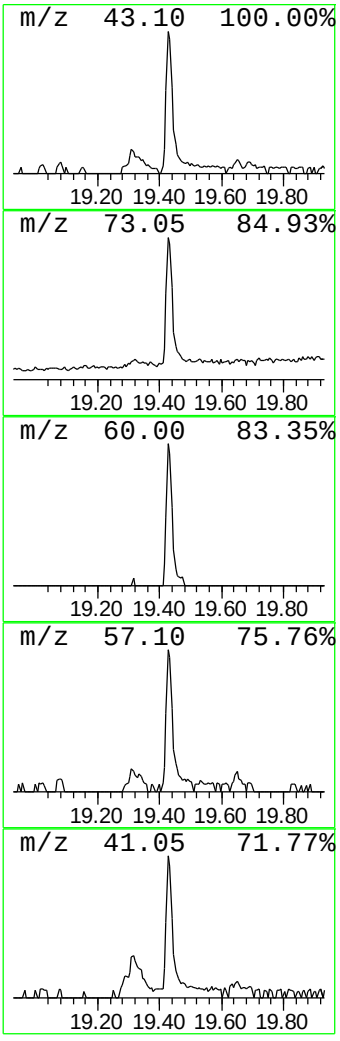
Peak Number 2 Octadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.43	3.38 ng/ul	57565	Chrysene-d12	21.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	74
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	72
4	Tridecanoic acid	214	C13H26O2	000638-53-9	72
5	Dodecanoic acid	200	C12H24O2	000143-07-7	64





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ClientSampleId : C0A21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.M
Quant Title : SVOA CALIBRATION

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

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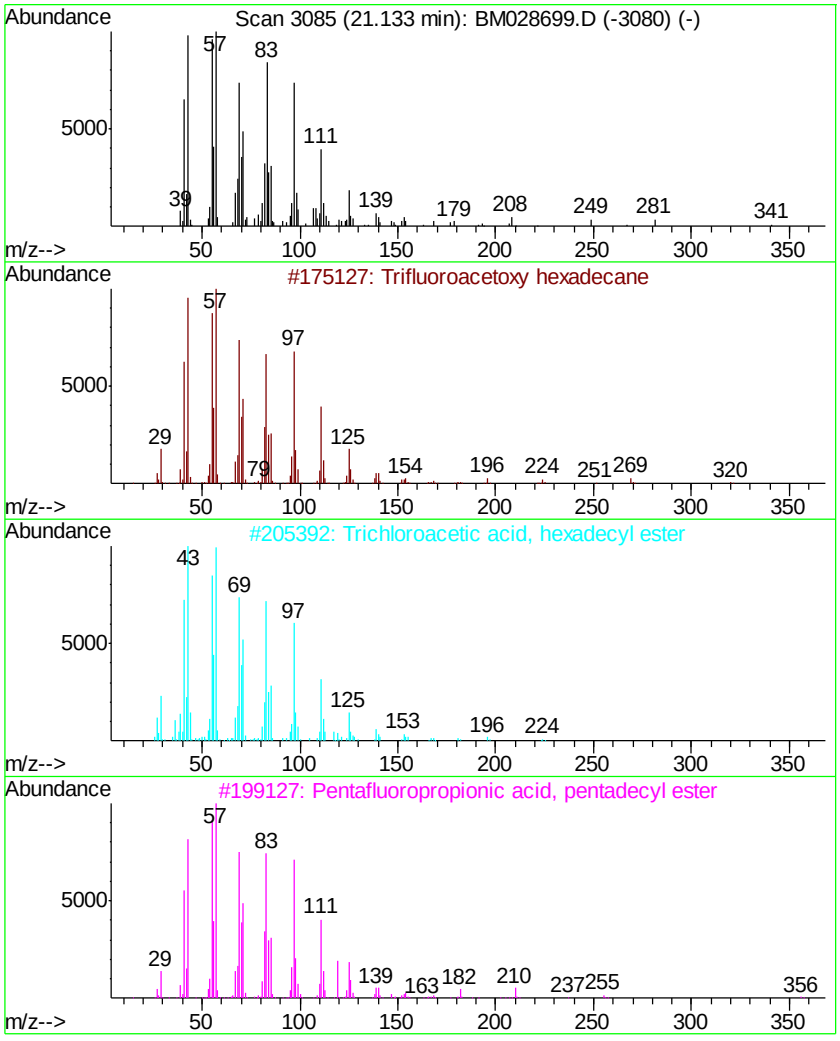
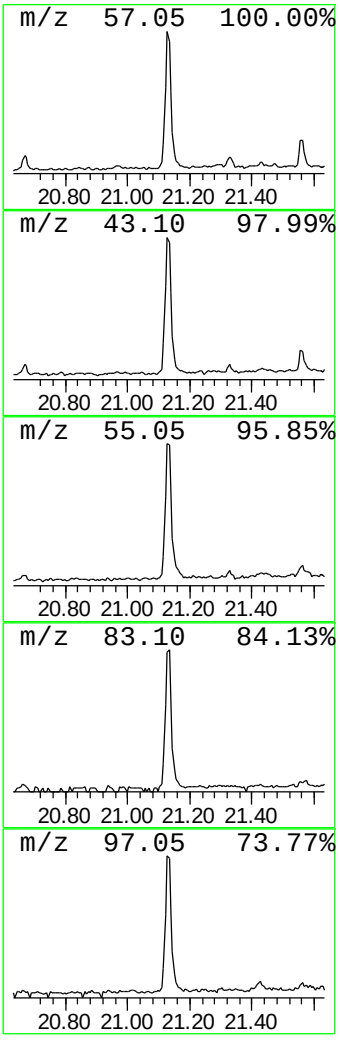
Peak Number 3 Trifluoroacetoxy hexadecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.13	6.90 ng/ul	117619	Chrysene-d12	21.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94
2	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	94
3	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	94
4	Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	91
5	1-Heneicosyl formate	340	C22H44O2	077899-03-7	91





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Quant Title : SVOA CALIBRATION

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

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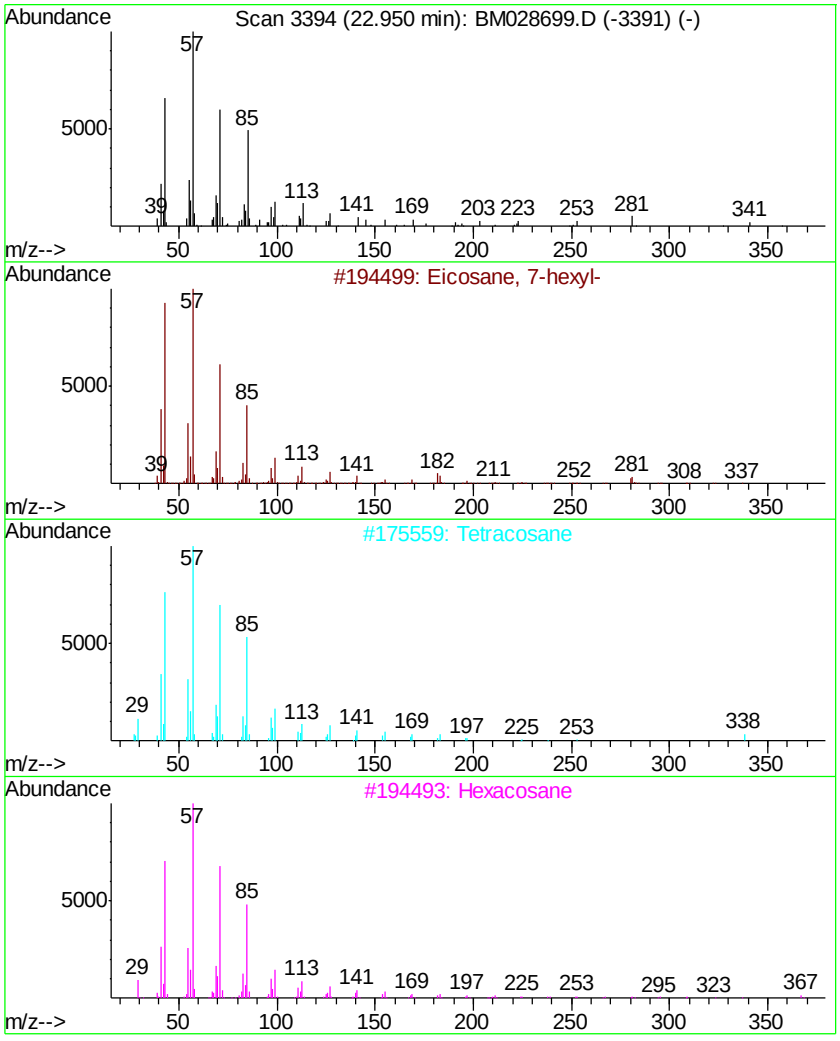
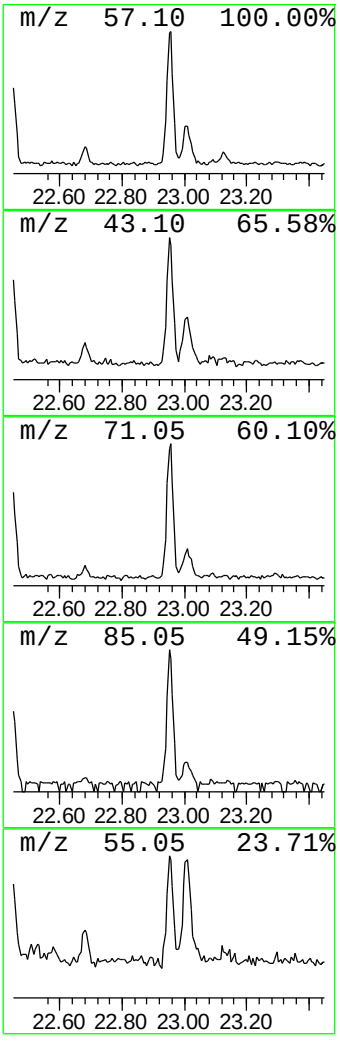
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.95	2.19 ng/ul	38214	Perylene-d12	23.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	91
2	Tetracosane	338	C24H50	000646-31-1	90
3	Hexacosane	366	C26H54	000630-01-3	90
4	Heptacosane	380	C27H56	000593-49-7	90
5	2-methyloctacosane	408	C29H60	1000376-72-8	90





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Instrument : BNA_M
ClientSampleId : C0A21

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011621MA.M
Quant Title : SVOA CALIBRATION

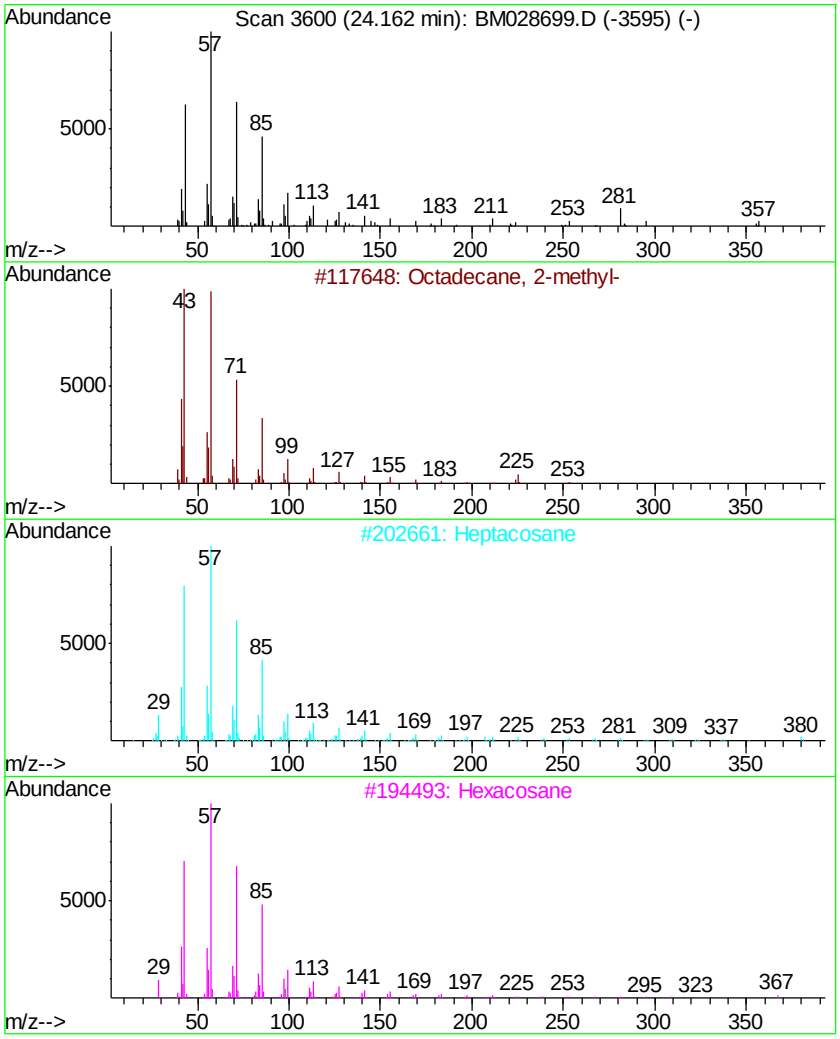
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

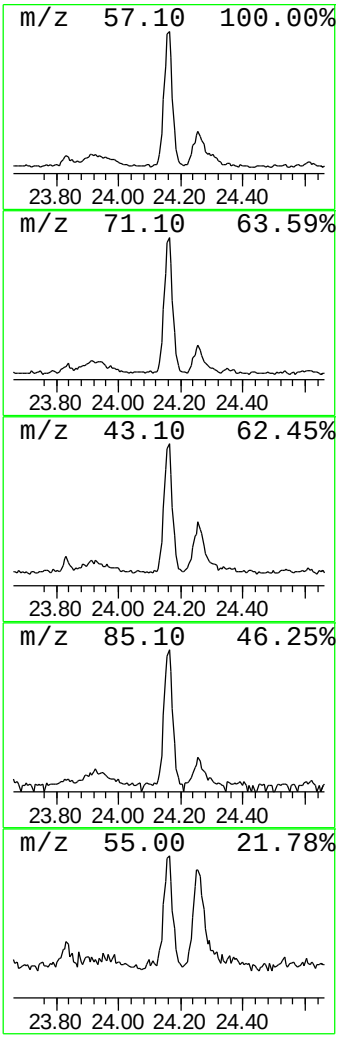
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.16	3.95 ng/ul	68899	Perylene-d12	23.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 2-methyl-	268	C19H40	001560-88-9	91
2	Heptacosane	380	C27H56	000593-49-7	90
3	Hexacosane	366	C26H54	000630-01-3	87
4	Tetracosane	338	C24H50	000646-31-1	87
5	Hexacosane	366	C26H54	000630-01-3	87





Tentatively Identified Compound (LSC) summary

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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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
n-Hexadecanoic acid	18.16	7.2	ng/ul	106864	4	17.28	298734	20.0
Octadecanoic acid	19.43	3.4	ng/ul	57565	5	21.43	340784	20.0
Trifluoroacetoxy ...	21.13	6.9	ng/ul	117619	5	21.43	340784	20.0
(DEL) Alkane: Str...	22.95	2.2	ng/ul	38214	6	23.66	348706	20.0
(DEL) Alkane: Str...	24.16	4.0	ng/ul	68899	6	23.66	348706	20.0