LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031716\
Data File : BM004658.D
Acq On : 17 Mar 2016 10:05
Operator : UM/SJ
Sample : H1778-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9Y1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.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	3.081	63	67	72	rVB	21782	26026	1.31%	0.107%
2	6.998	726	733	745	rVB	189965	300118	15.11%	1.237%
3	7.169	756	762	774	rVB	154965	247320	12.45%	1.019%
4	7.369	790	796	805	rVB	194093	309234	15.57%	1.274%
5	7.840	870	876	883	rBV	268903	424826	21.39%	1.751%
6	8.534	988	994	1006	rVB	237130	367362	18.50%	1.514%
7	8.992	1066	1072	1082	rBV	162480	264147	13.30%	1.089%
8	9.716	1188	1195	1203	rVB	126136	203821	10.26%	0.840%
9	10.245	1279	1285	1295	rBV	238578	384411	19.36%	1.584%
10	10.634	1344	1351	1357	rBV	376165	633054	31.88%	2.609%
11	10.763	1366	1373	1383	rBV	199012	329809	16.61%	1.359%
12	13.880	1894	1903	1907	rBV	423524	574169	28.91%	2.366%
13	13.927	1907	1911	1919	rVB	140893	188157	9.47%	0.775%
14	14.169	1945	1952	1968	rBV	474241	762514	38.39%	3.142%
15	14.374	1982	1987	1991	rBV	18129	22168	1.12%	0.091%
16	14.474	1997	2004	2011	rBV2	558273	832634	41.92%	3.431%
17	14.657	2030	2035	2047	rBV	108732	165190	8.32%	0.681%
18	14.886	2068	2074	2078	rBV4	18705	34279	1.73%	0.141%
19	15.327	2144	2149	2154	rVB	35143	46345	2.33%	0.191%
20	15.468	2167	2173	2178	rBV	643769	946206	47.64%	3.900%
21	15.521	2178	2182	2186	rVB2	15932	20970	1.06%	0.086%
22	15.580	2186	2192	2197	rBV	111405	152462	7.68%	0.628%
23	15.733	2207	2218	2222	rBV6	13866	36277	1.83%	0.150%
24	16.186	2290	2295	2303	rBV	44042	75995	3.83%	0.313%
25	16.974	2419	2429	2434	rBV3	23490	35980	1.81%	0.148%
26	17.033	2435	2439	2449	rVB2	16395	26453	1.33%	0.109%
27	17.215	2464	2470	2474	rBV2	697715	1009228	50.82%	4.159%
28	17.257	2474	2477	2482	rVV	253842	357155	17.98%	1.472%
29	17.315	2482	2487	2491	rVV	722568	1033940	52.06%	4.261%
30	17.351	2491	2493	2498	rVV	87161	102593	5.17%	0.423%
31	17.615	2528	2538	2545	rBV2	15130	35921	1.81%	0.148%
32	18.104	2612	2621	2624	rBV2	60419	123977	6.24%	0.511%
33	18.139	2624	2627	2632	rVV	57564	83317	4.20%	0.343%
34	18.221	2636	2641	2646	rVV2	20945	34220	1.72%	0.141%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031716\
Data File : BM004658.D
Acq On : 17 Mar 2016 10:05
Operator : UM/SJ
Sample : H1778-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9Y1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Title : SVOA CALIBRATION

35	18.286	2646	2652	2656	rVV3	58849	114829	5.78%	0.473%
36	18.321	2656	2658	2667	rVB	35901	44511	2.24%	0.183%
37	18.592	2700	2704	2707	rBV	30115	38184	1.92%	0.157%
38	18.627	2707	2710	2715	rVB2	16511	24456	1.23%	0.101%
39	19.009	2770	2775	2779	rBV	33851	52638	2.65%	0.217%
40	19.151	2795	2799	2808	rBV3	23315	43650	2.20%	0.180%
41	19.274	2808	2820	2825	rBV	574707	801279	40.35%	3.302%
42	19.386	2833	2839	2842	rBV4	42466	61753	3.11%	0.254%
43	19.515	2855	2861	2864	rBV4	27614	41138	2.07%	0.170%
44	19.609	2871	2877	2880	rBV	982913	1482391	74.64%	6.109%
45	19.639	2880	2882	2889	rVV	547731	647915	32.62%	2.670%
46	19.709	2890	2894	2900	rVB3	36487	60434	3.04%	0.249%
47	19.821	2908	2913	2919	rBV3	54107	86140	4.34%	0.355%
48	19.880	2919	2923	2927	rVB2	44881	60127	3.03%	0.248%
49	19.968	2932	2938	2944	rVV3	43107	100130	5.04%	0.413%
50	20.033	2945	2949	2955	rVB5	40281	51586	2.60%	0.213%
51	20.098	2955	2960	2961	rBV2	47076	62266	3.14%	0.257%
52	20.133	2962	2966	2972	rVB	104854	159526	8.03%	0.657%
53	20.233	2979	2983	2987	rBV	67690	84985	4.28%	0.350%
54	20.292	2987	2993	2997	rVV2	71384	126286	6.36%	0.520%
55	20.333	2997	3000	3003	rVV	23283	26790	1.35%	0.110%
56	20.433	3013	3017	3020	rVV	51726	63028	3.17%	0.260%
57	20.480	3020	3025	3029	rVV2	44607	67951	3.42%	0.280%
58	20.756	3069	3072	3076	rVB2	20814	27555	1.39%	0.114%
59	20.803	3077	3080	3083	rVV2	18794	25593	1.29%	0.105%
60	20.874	3088	3092	3099	rVB2	98243	153953	7.75%	0.634%
61	21.050	3115	3122	3125	rBV2	70197	123072	6.20%	0.507%
62	21.092	3125	3129	3130	rVV	63920	89093	4.49%	0.367%
63	21.115	3130	3133	3140	rVV3	175514	329322	16.58%	1.357%
64	21.174	3140	3143	3147	rVB2	44214	62303	3.14%	0.257%
65	21.315	3164	3167	3171	rVB2	46798	50984	2.57%	0.210%
66	21.403	3174	3182	3185	rVV2	1070501	1986013	100.00%	8.185%
67	21.439	3185	3188	3198	rVB	450338	606233	30.53%	2.498%
68	21.556	3204	3208	3214	rBV	84662	125713	6.33%	0.518%
69	21.715	3231	3235	3241	rBV2	52852	92704	4.67%	0.382%
70	21.909	3264	3268	3270	rBV2	27706	42194	2.12%	0.174%
71	21.962	3271	3277	3280	rVV	80647	155037	7.81%	0.639%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031716\
Data File : BM004658.D
Acq On : 17 Mar 2016 10:05
Operator : UM/SJ
Sample : H1778-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9Y1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Title : SVOA CALIBRATION

72	22.009	3280	3285	3293	rVB3	61780	133678	6.73%	0.551%
73	22.162	3308	3311	3314	rBV2	36996	51532	2.59%	0.212%
74	23.009	3448	3455	3460	rBV	430901	1061543	53.45%	4.375%
75	23.186	3480	3485	3491	rBV	91197	157783	7.94%	0.650%
76	23.503	3533	3539	3543	rBV	239249	480375	24.19%	1.980%
77	23.556	3543	3548	3552	rVV	617835	1183212	59.58%	4.876%
78	23.597	3552	3555	3563	rVB	354355	648939	32.68%	2.674%
79	23.703	3565	3573	3578	rBV	587443	1206792	60.76%	4.973%
80	24.256	3663	3667	3675	rVB4	60961	120630	6.07%	0.497%
81	26.027	3960	3968	3984	rVB2	155830	505127	25.43%	2.082%
82	26.744	4083	4090	4103	rVB	116170	353032	17.78%	1.455%

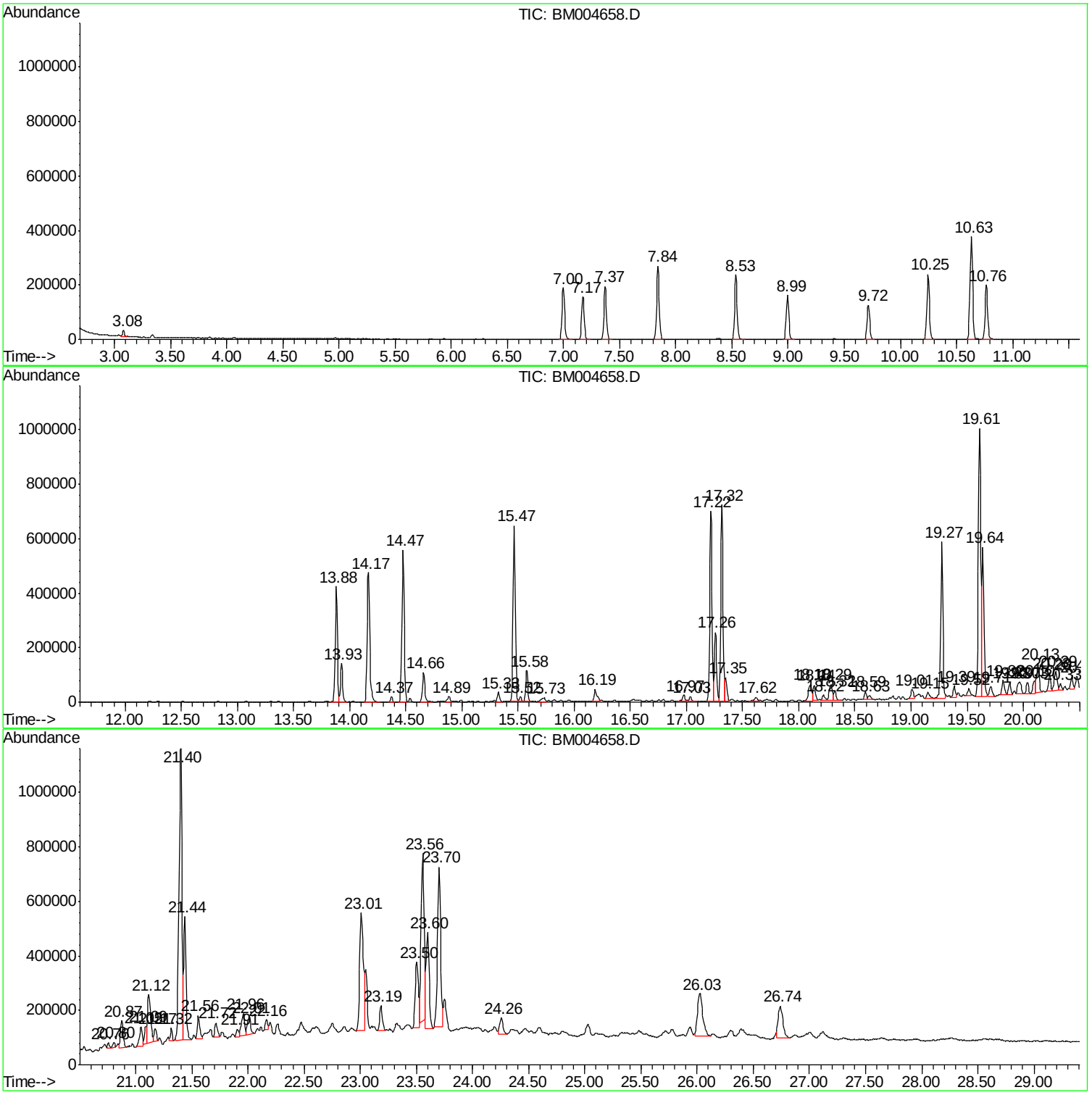
Sum of corrected areas: 24264683

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031716\
Data File : BM004658.D
Acq On : 17 Mar 2016 10:05
Operator : UM/SJ
Sample : H1778-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BC9Y1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031716\
Data File : BM004658.D
Acq On : 17 Mar 2016 10:05
Operator : UM/SJ
Sample : H1778-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9Y1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

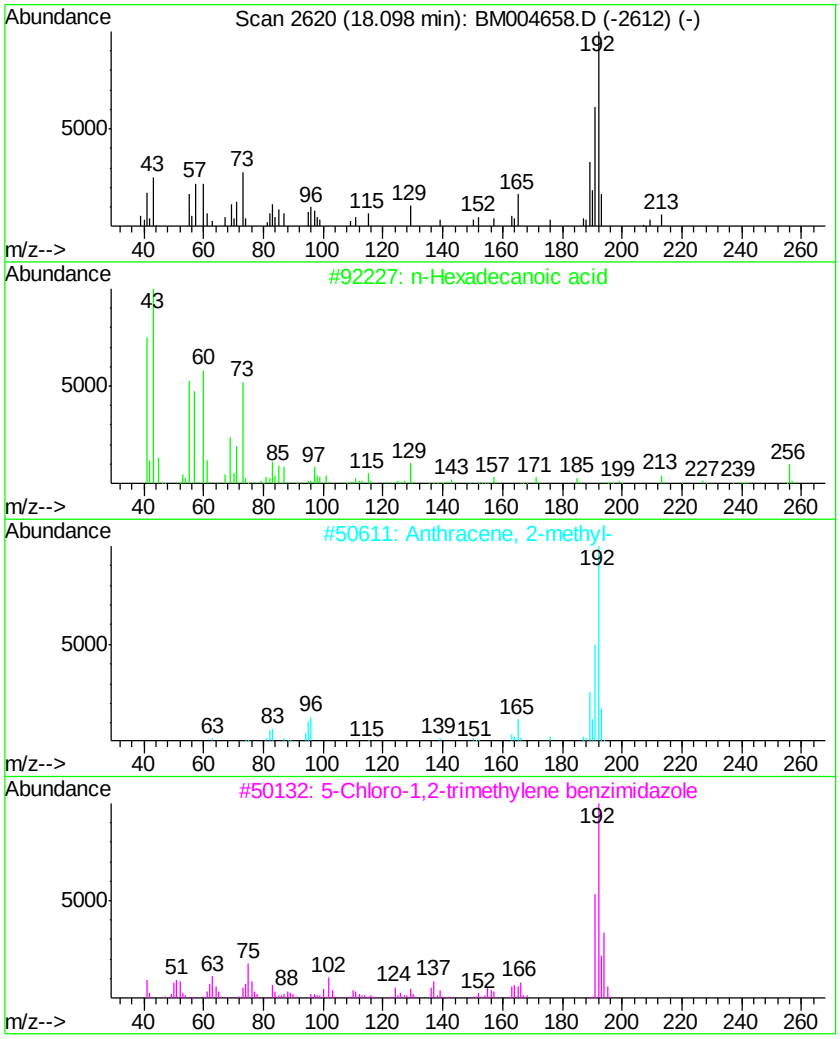
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

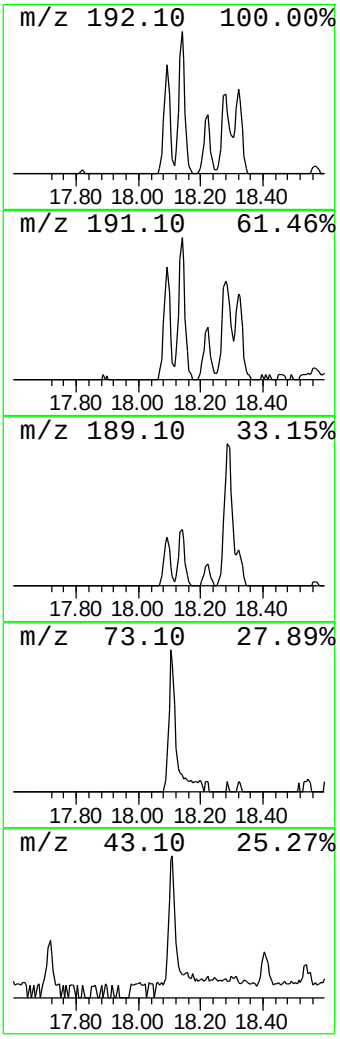
****

Peak Number 1 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	2.46 ng/ul	123977	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	49
3	5-Chloro-1,2-trimethylene benzim...	192	C10H9ClN2	010252-95-6	38
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	38
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	38





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031716\
Data File : BM004658.D
Acq On : 17 Mar 2016 10:05
Operator : UM/SJ
Sample : H1778-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9Y1

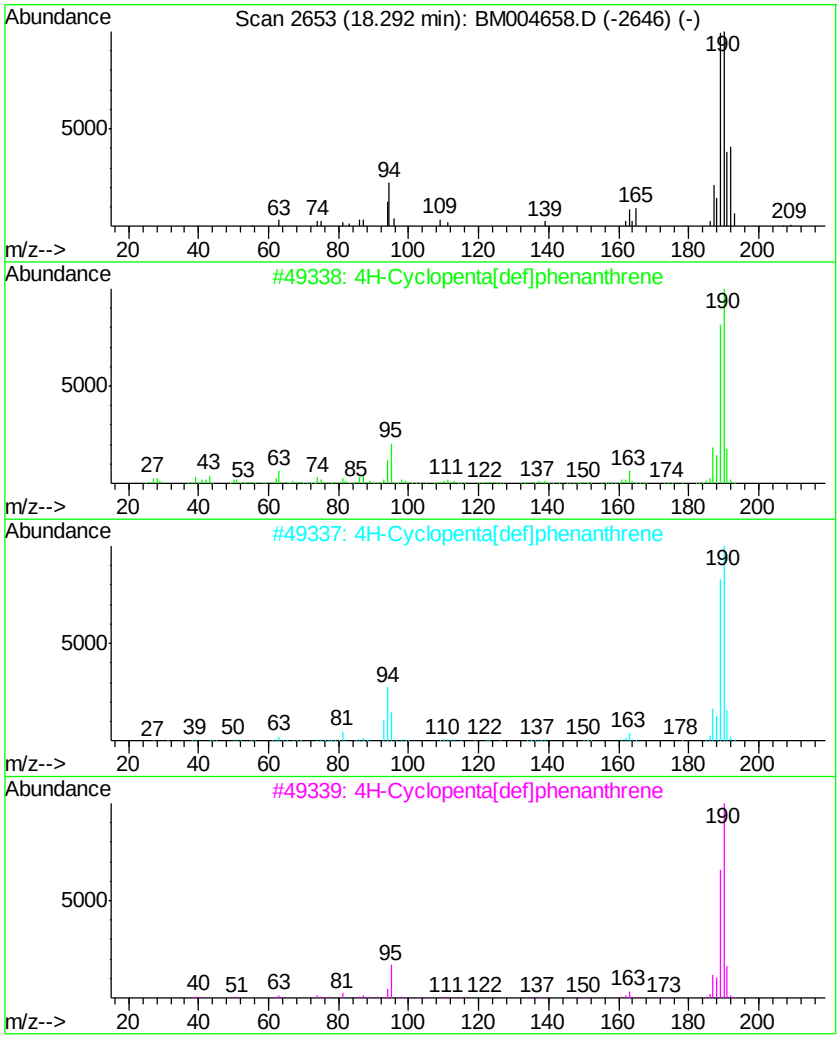
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

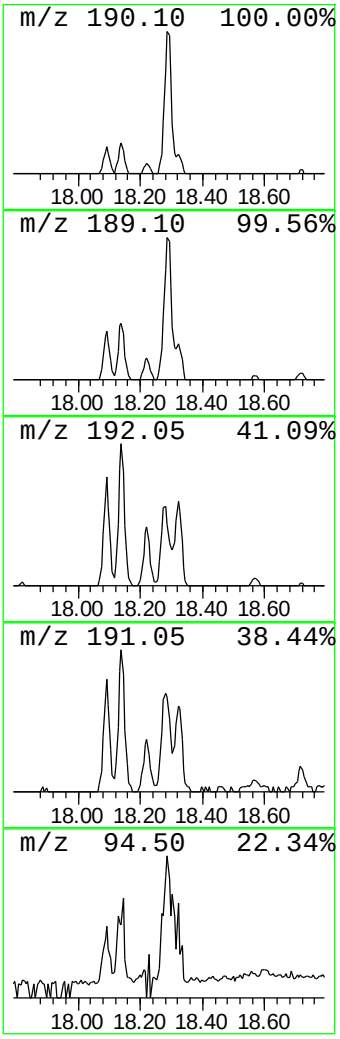
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	2.28 ng/ul	114829	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
5	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	46





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031716\
Data File : BM004658.D
Acq On : 17 Mar 2016 10:05
Operator : UM/SJ
Sample : H1778-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9Y1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

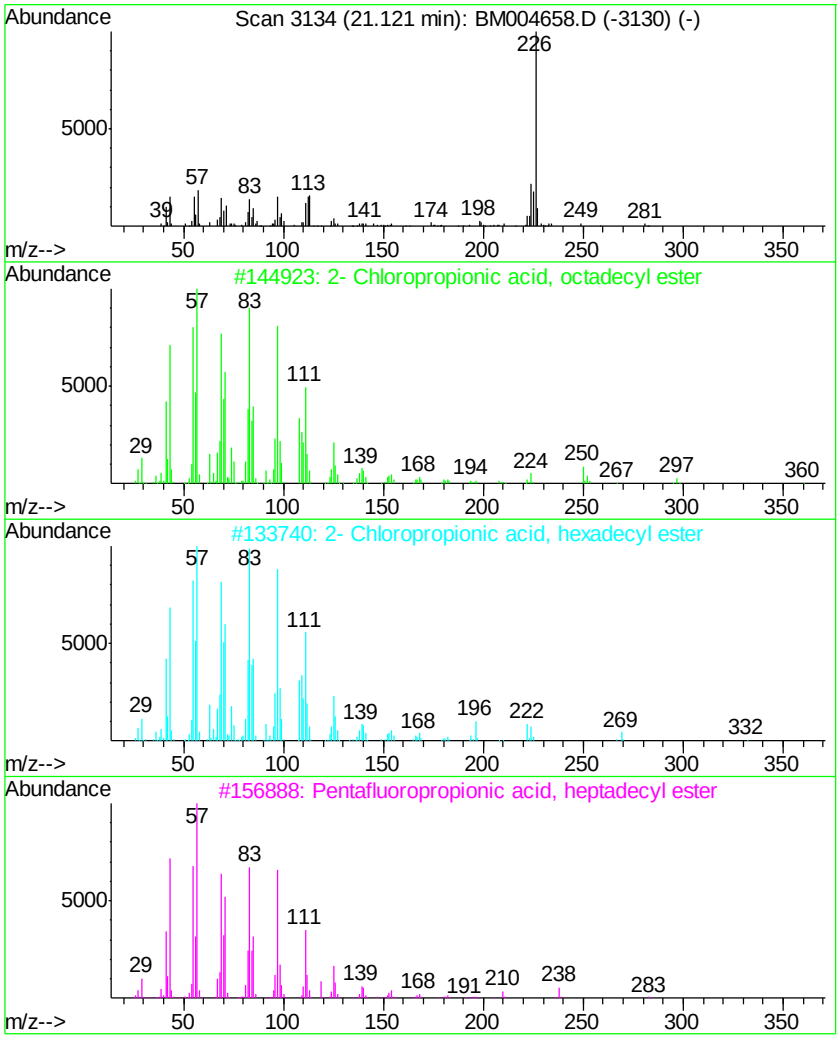
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

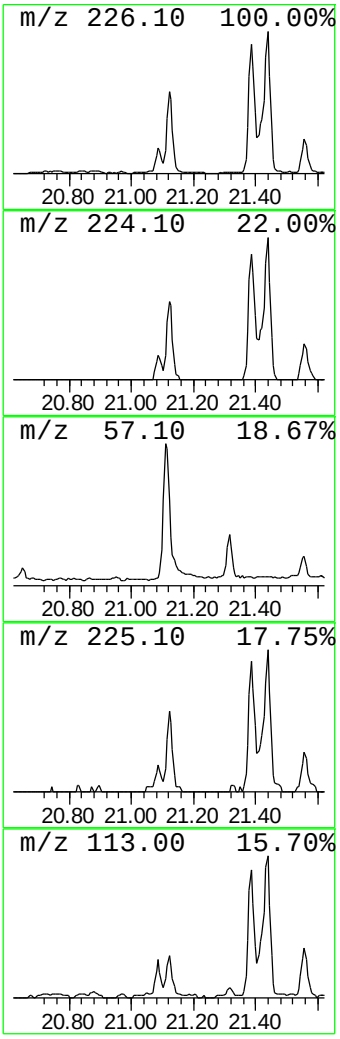
****

Peak Number 3 2- Chloropropionic acid, oc... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.12	3.32 ng/ul	329322	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	50
2	2- Chloropropionic acid, hexadec...	332	C19H37ClO2	086711-81-1	50
3	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	1000283-04-2	46
4	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	46
5	Bacteriochlorophyll-c-stearyl	841	C52H72MgN4O4	1000164-49-7	41





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031716\
Data File : BM004658.D
Acq On : 17 Mar 2016 10:05
Operator : UM/SJ
Sample : H1778-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9Y1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

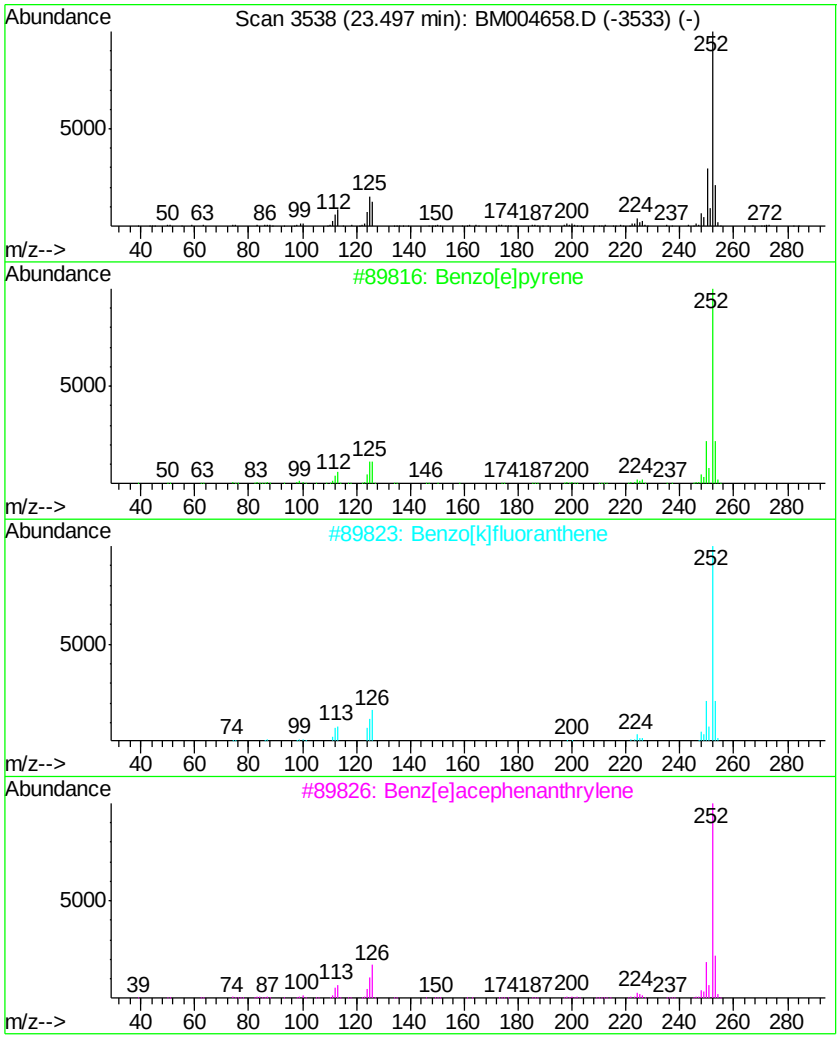
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

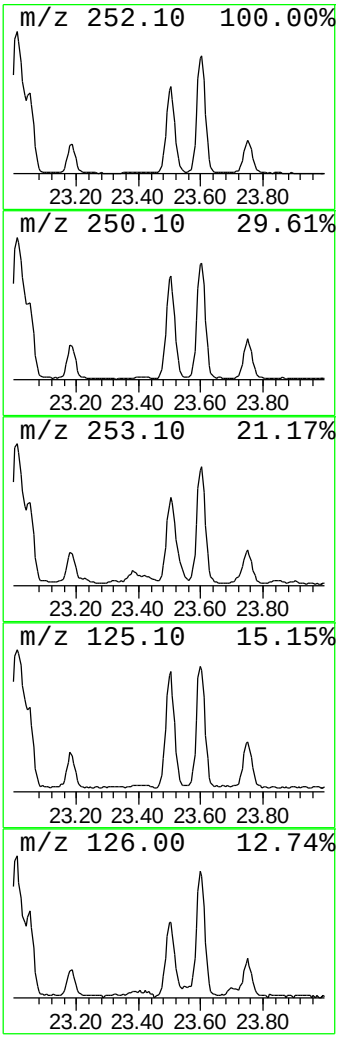
****

Peak Number 5 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.50	7.96 ng/ul	480375	Perylene-d12	23.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Perylene	252	C20H12	000198-55-0	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031716\
Data File : BM004658.D
Acq On : 17 Mar 2016 10:05
Operator : UM/SJ
Sample : H1778-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9Y1

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.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	18.10	2.5	ng/ul	123977	4	17.22	1009230	20.0
4H-Cyclopenta[def...	18.29	2.3	ng/ul	114829	4	17.22	1009230	20.0
2- Chloropropioni...	21.12	3.3	ng/ul	329322	5	21.40	1986010	20.0
Benzo[e]pyrene	23.50	8.0	ng/ul	480375	6	23.70	1206790	20.0