LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010479.D
Acq On : 10 Jun 2017 11:22
Operator : SJ/MA
Sample : I3521-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C30

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\SOM-EPA-BM052717.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	7.081	672	679	690	rBV	485921	848916	18.78%	1.399%
2	7.239	699	706	714	rBV	325578	530950	11.75%	0.875%
3	7.434	731	739	749	rVB	571352	916947	20.29%	1.511%
4	7.892	811	817	825	rBV	595872	972488	21.52%	1.602%
5	8.616	933	940	948	rBV	598872	1027050	22.72%	1.692%
6	9.080	1013	1019	1025	rBV	475853	783077	17.32%	1.290%
7	9.792	1133	1140	1149	rBV	464230	806354	17.84%	1.329%
8	10.322	1223	1230	1240	rBV	736085	1287693	28.49%	2.122%
9	10.698	1287	1294	1303	rBV	713161	1219221	26.97%	2.009%
10	10.863	1313	1322	1333	rBV	526053	946494	20.94%	1.559%
11	13.945	1841	1846	1850	rBV	1384340	1954419	43.24%	3.220%
12	13.998	1850	1855	1861	rVB	1461108	2059182	45.56%	3.393%
13	14.233	1888	1895	1905	rBV	1416260	2179187	48.21%	3.591%
14	14.433	1922	1929	1933	rBV7	45268	89224	1.97%	0.147%
15	14.533	1940	1946	1956	rVB2	1150192	1741515	38.53%	2.869%
16	14.774	1981	1987	1997	rBV2	482240	816070	18.05%	1.345%
17	15.521	2108	2114	2122	rVB	1924663	2678672	59.26%	4.413%
18	15.651	2131	2136	2142	rBV2	585978	792437	17.53%	1.306%
19	16.939	2351	2355	2361	rBV2	91734	141952	3.14%	0.234%
20	17.280	2407	2413	2417	rBV	1594413	2270071	50.22%	3.740%
21	17.321	2417	2420	2425	rVV	546146	761203	16.84%	1.254%
22	17.380	2425	2430	2441	rVB	2254537	3294768	72.89%	5.429%
23	17.703	2478	2485	2490	rVB2	108634	171955	3.80%	0.283%
24	17.792	2497	2500	2506	rBV8	36743	69035	1.53%	0.114%
25	17.862	2508	2512	2515	rBV6	28877	52250	1.16%	0.086%
26	18.015	2533	2538	2541	rVB7	41730	57991	1.28%	0.096%
27	18.074	2543	2548	2553	rBV2	332205	439277	9.72%	0.724%
28	18.127	2553	2557	2564	rVV2	604410	912908	20.20%	1.504%
29	18.198	2565	2569	2573	rVB3	86008	135950	3.01%	0.224%
30	18.345	2589	2594	2597	rBV5	58561	111291	2.46%	0.183%
31	18.645	2643	2645	2650	rVB	67910	85176	1.88%	0.140%
32	18.703	2650	2655	2660	rBV	241737	332819	7.36%	0.548%
33	19.050	2712	2714	2717	rBV3	51467	67909	1.50%	0.112%
34	19.215	2737	2742	2747	rBV	327051	441158	9.76%	0.727%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010479.D
Acq On : 10 Jun 2017 11:22
Operator : SJ/MA
Sample : I3521-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C30

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\SOM-EPA-BM052717.M
Title : SVOA CALIBRATION

35	19.333	2756	2762	2767	rVB	2233534	3067160	67.86%	5.054%
36	19.397	2769	2773	2785	rBV3	373804	682363	15.10%	1.124%
37	19.533	2793	2796	2797	rBV3	63670	70713	1.56%	0.117%
38	19.668	2813	2819	2822	rBV2	2971766	4520014	100.00%	7.447%
39	19.697	2822	2824	2831	rVB	1756649	1982699	43.86%	3.267%
40	19.809	2838	2843	2848	rBV	1285714	1424921	31.52%	2.348%
41	19.868	2851	2853	2858	rVB2	154323	160643	3.55%	0.265%
42	19.939	2863	2865	2870	rVB4	171180	214744	4.75%	0.354%
43	20.009	2873	2877	2883	rVB6	145346	292803	6.48%	0.482%
44	20.162	2899	2903	2908	rBV3	375652	466875	10.33%	0.769%
45	20.262	2913	2920	2924	rBV9	329763	932338	20.63%	1.536%
46	20.480	2954	2957	2960	rBV4	109568	155451	3.44%	0.256%
47	20.927	3030	3033	3040	rBV	416775	535312	11.84%	0.882%
48	21.097	3057	3062	3065	rBV4	308418	592220	13.10%	0.976%
49	21.174	3072	3075	3079	rVB2	156830	232585	5.15%	0.383%
50	21.227	3081	3084	3089	rVB	304455	406550	8.99%	0.670%
51	21.444	3115	3121	3125	rBV2	2766613	4250371	94.03%	7.003%
52	21.486	3125	3128	3132	rVB	932661	1140048	25.22%	1.878%
53	23.074	3393	3398	3403	rBV	891272	1849184	40.91%	3.047%
54	23.632	3488	3493	3498	rBV2	2197919	3778035	83.58%	6.225%
55	23.785	3513	3519	3525	rBV	1614551	2942473	65.10%	4.848%

Sum of corrected areas: 60693111

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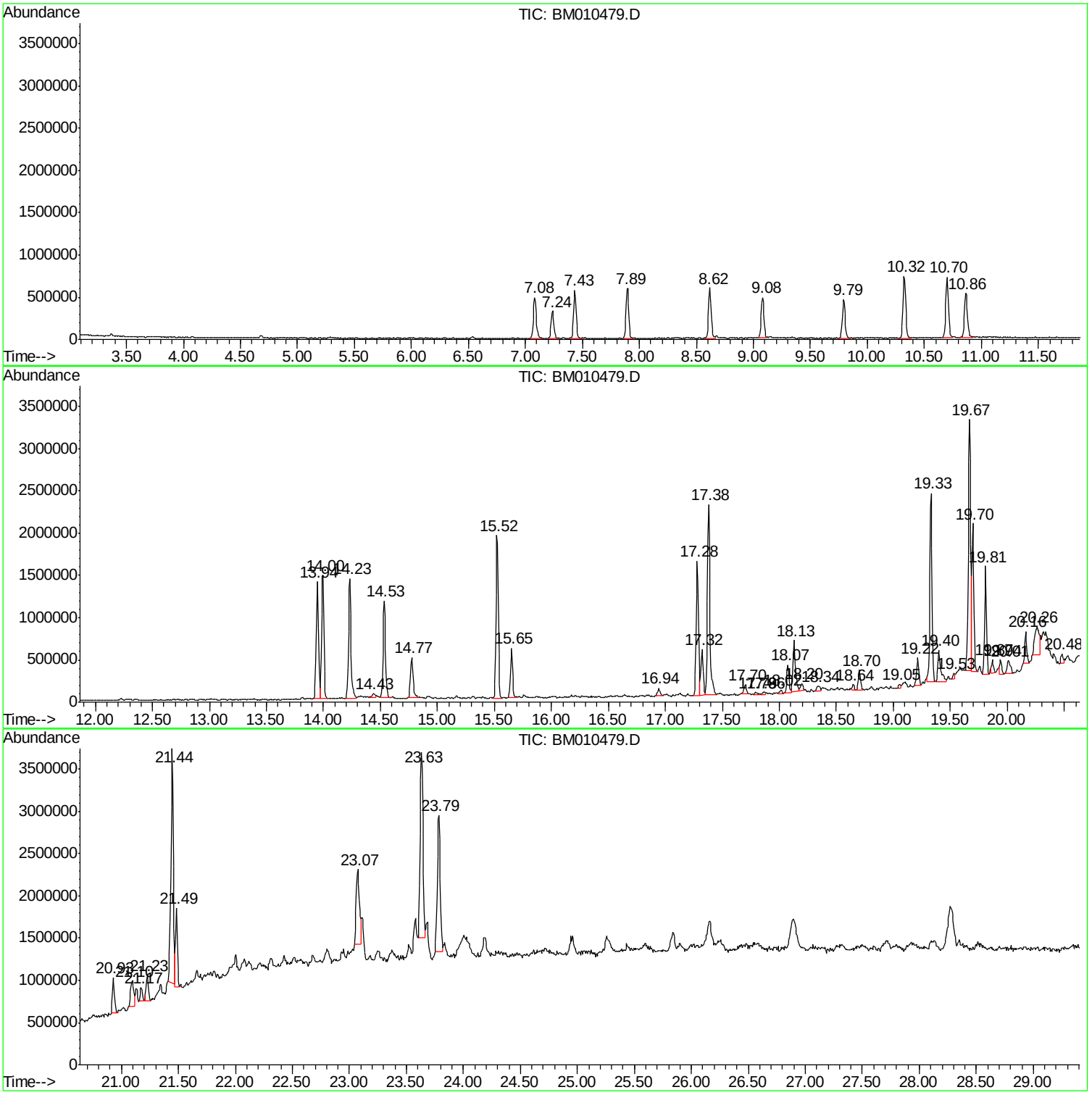
Sample : I3521-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C30

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010479.D
Acq On : 10 Jun 2017 11:22
Operator : SJ/MA
Sample : I3521-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C30

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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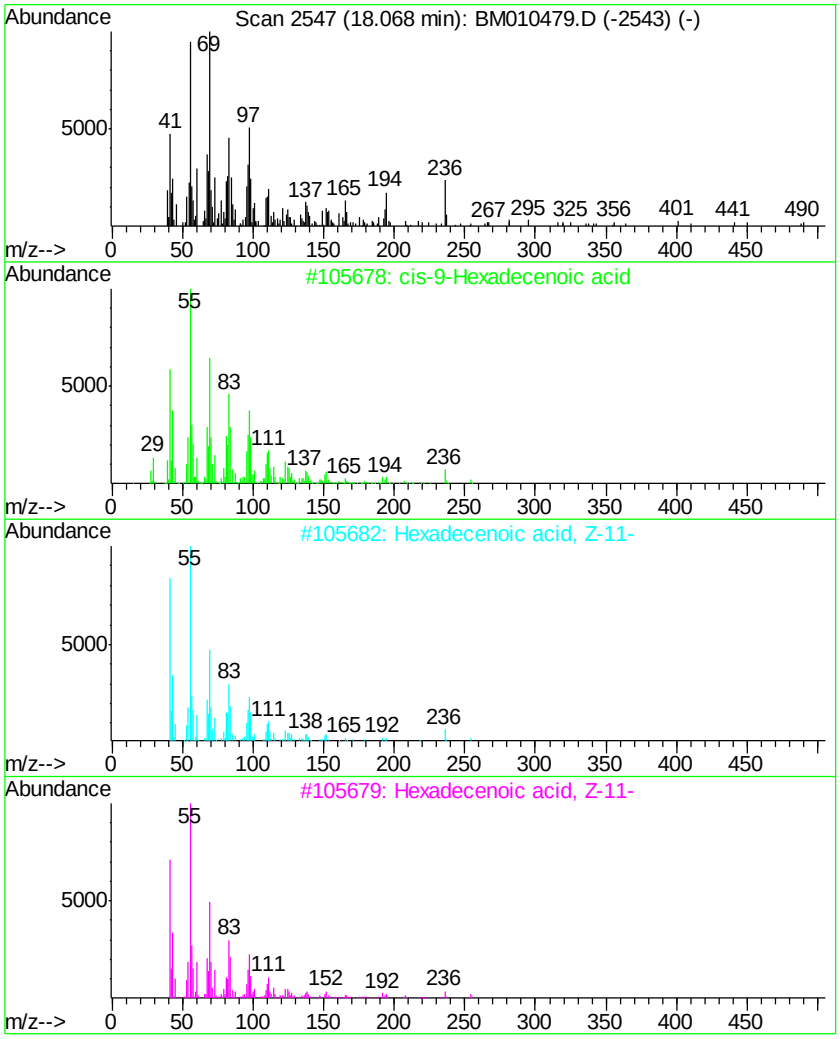
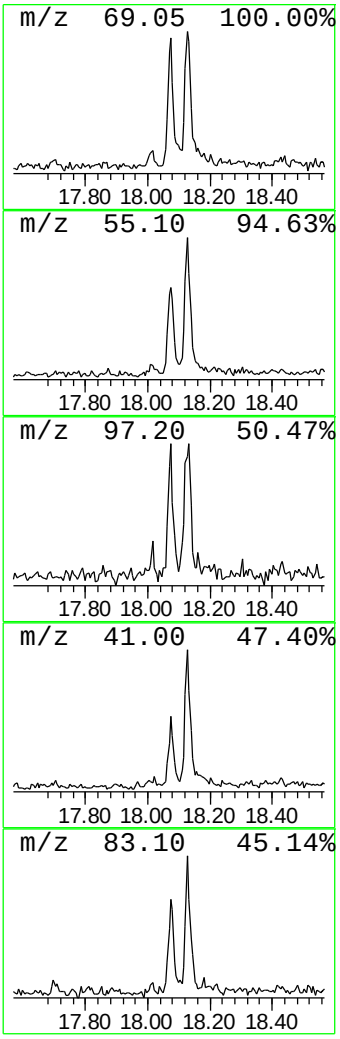
Peak Number 1 cis-9-Hexadecenoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	3.87 ng/ul	439277	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-9-Hexadecenoic acid	254	C16H30O2	1000333-19-5	95
2	Hexadecenoic acid, Z-11-	254	C16H30O2	002416-20-8	91
3	Hexadecenoic acid, Z-11-	254	C16H30O2	002416-20-8	87
4	Z-7-Hexadecenoic acid	254	C16H30O2	1000130-90-8	78
5	Ethyl 9-hexadecenoate	282	C18H34O2	054546-22-4	76





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Data File : BM010479.D
Acq On : 10 Jun 2017 11:22
Operator : SJ/MA
Sample : I3521-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C30

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

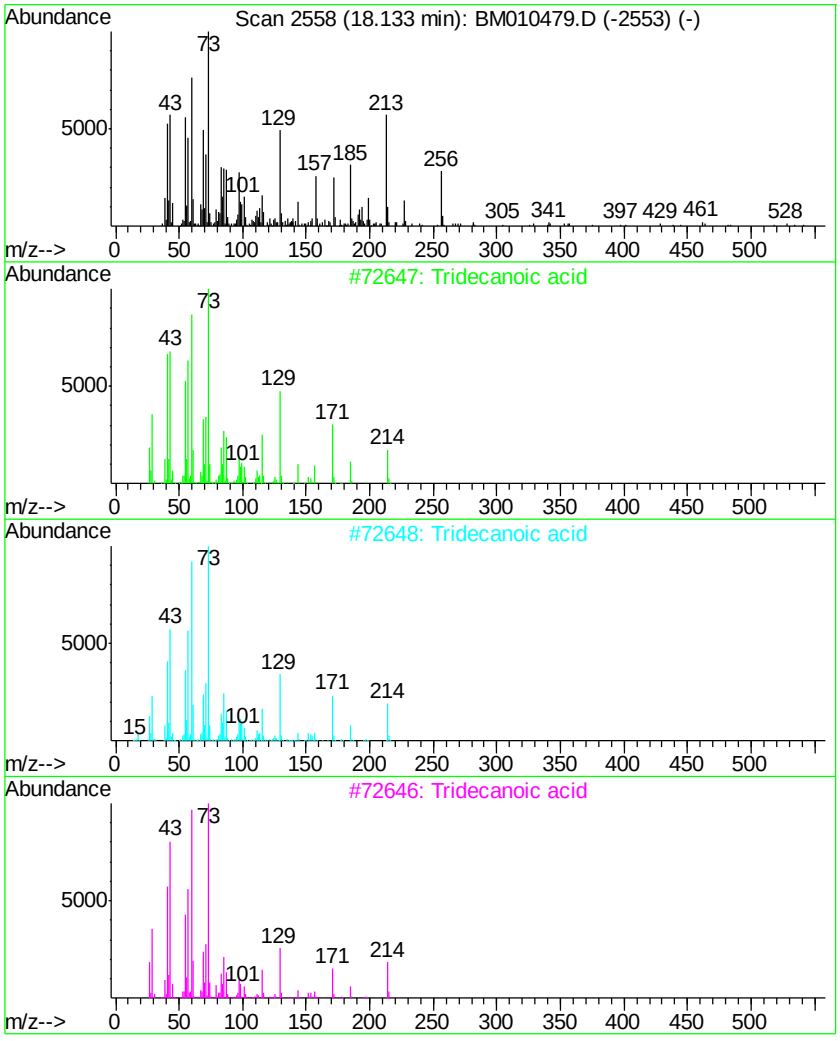
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

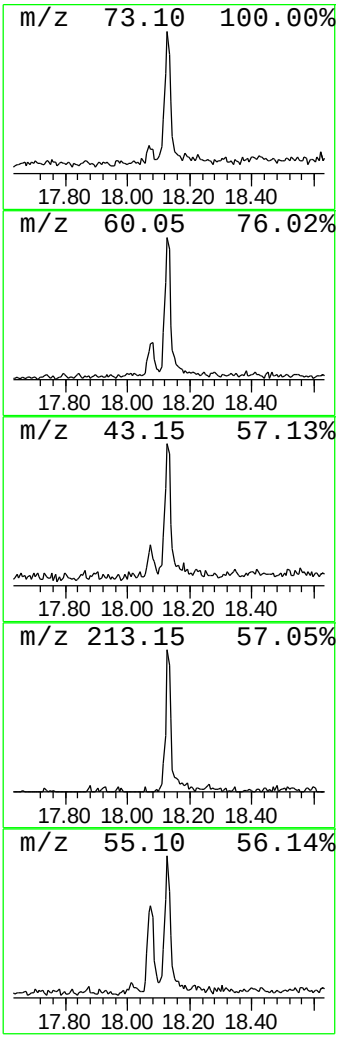
****

Peak Number 2 Tridecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	8.04 ng/ul	912908	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	91
2	Tridecanoic acid	214	C13H26O2	000638-53-9	70
3	Tridecanoic acid	214	C13H26O2	000638-53-9	70
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	70
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	53





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Data File : BM010479.D
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Operator : SJ/MA
Sample : I3521-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C30

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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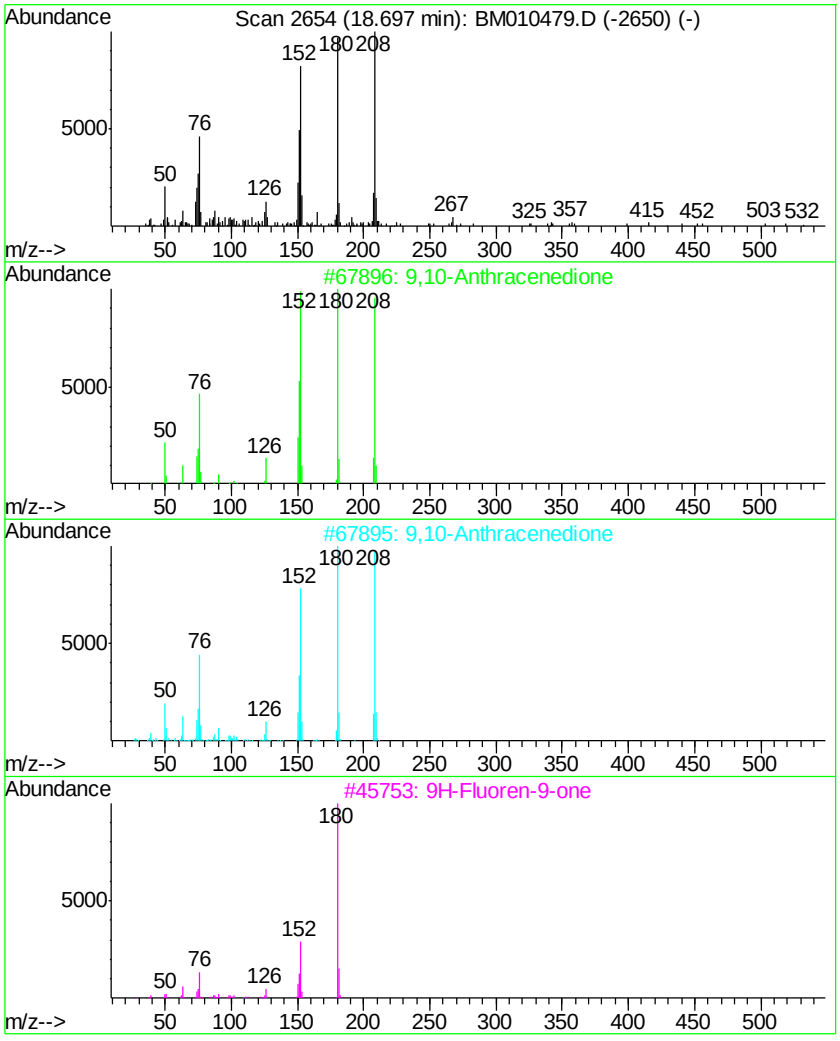
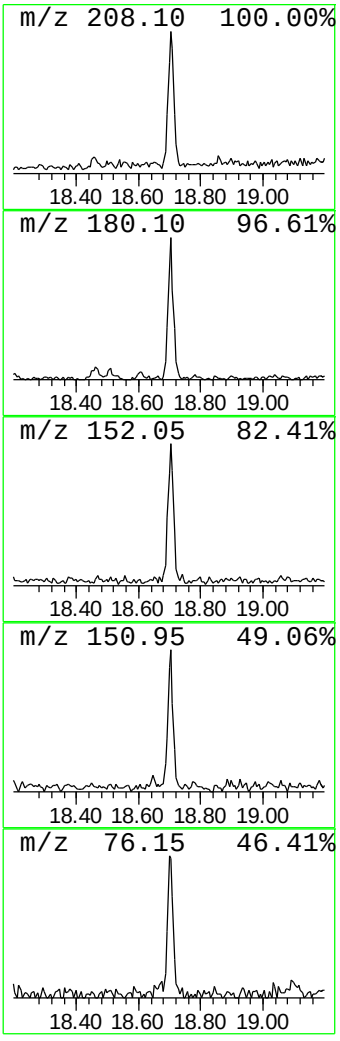
Peak Number 3 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	2.93 ng/ul	332819	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	86
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	86
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C30

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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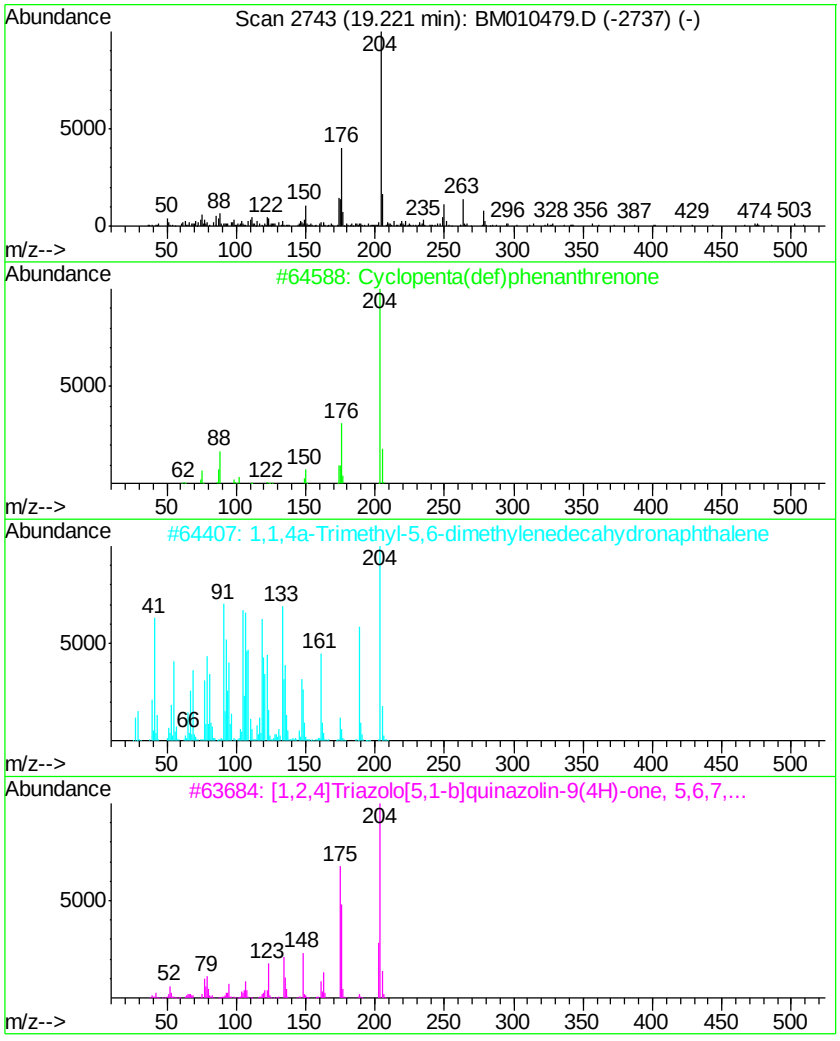
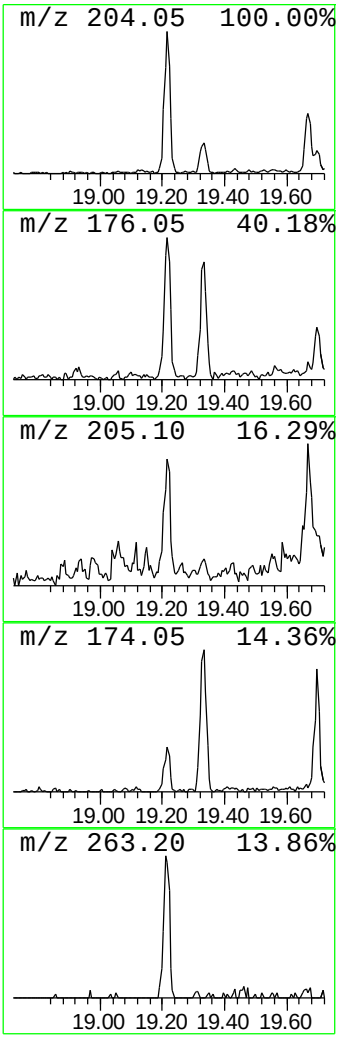
Peak Number 4 Cyclopenta(def)phenanthrenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.22	3.89 ng/ul	441158	Phenanthrene-d10	17.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	70
2	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	55
3	[1,2,4]Triazolo[5,1-b]quinazolin...	204	C10H12N4O	1000337-56-5	53
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C30

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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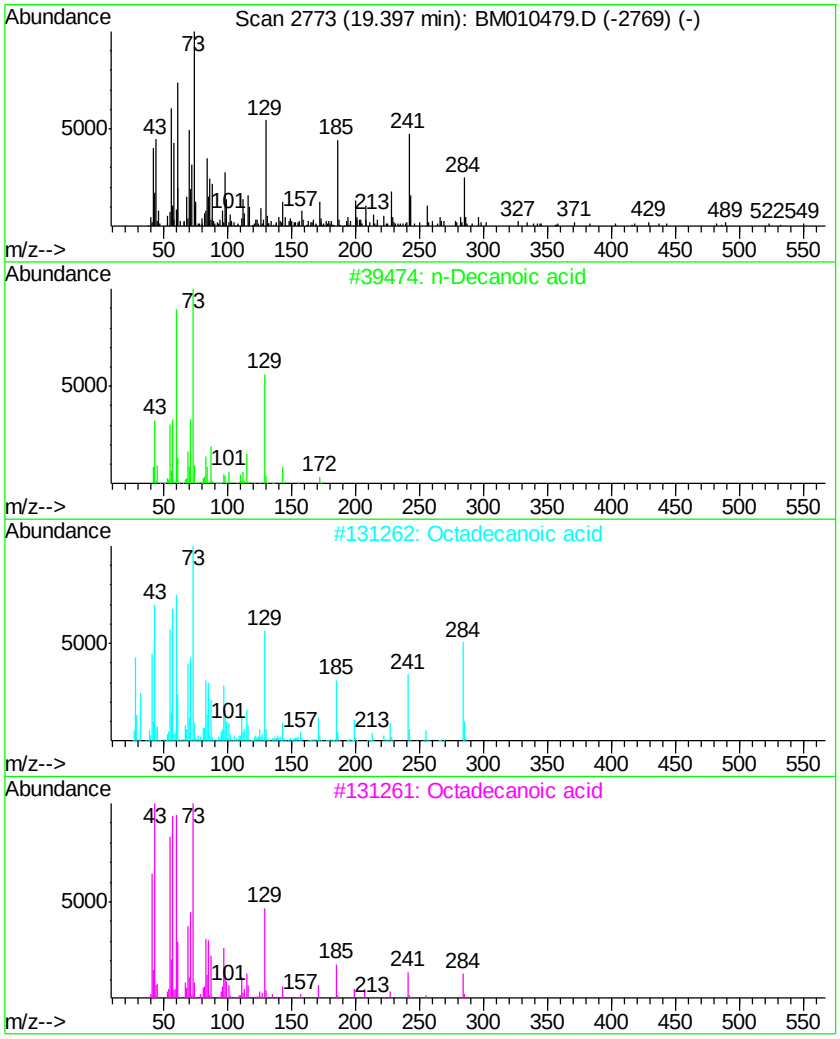
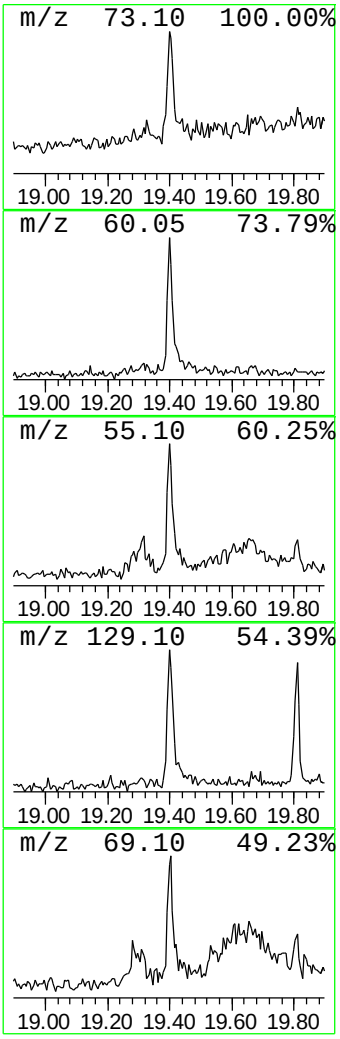
Peak Number 5 n-Decanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.40	3.21 ng/ul	682363	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Decanoic acid	172	C10H20O2	000334-48-5	90
2	Octadecanoic acid	284	C18H36O2	000057-11-4	78
3	Octadecanoic acid	284	C18H36O2	000057-11-4	68
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	58
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	58





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Instrument : BNA_M
ClientSampleId : F5C30

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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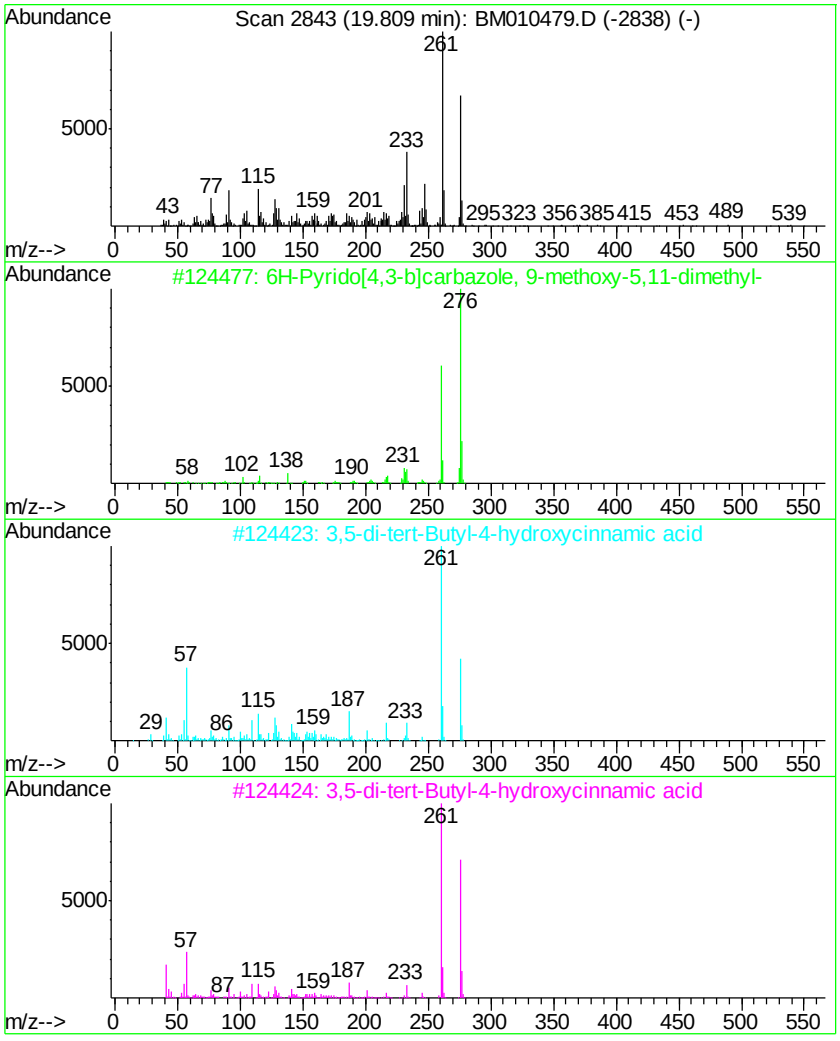
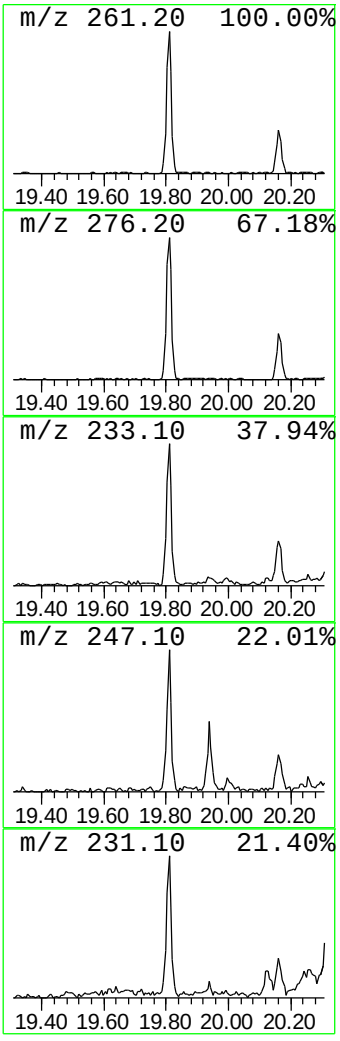
Peak Number 6 6H-Pyrido[4,3-b]carbazole, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.81	6.70 ng/ul	1424920	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	81
2	3,5-di-tert-Butyl-4-hydroxycinna...	276	C17H24O3	022014-01-3	64
3	3,5-di-tert-Butyl-4-hydroxycinna...	276	C17H24O3	022014-01-3	62
4	5H-Furo[3,2-g][1]benzopyran-5-on...	276	C14H12O6	000668-10-0	47
5	(1H)Pyrrole, 3,4-dimethyl-5-meth...	276	C15H20N2OS	1000197-22-6	46





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ClientSampleId : F5C30

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

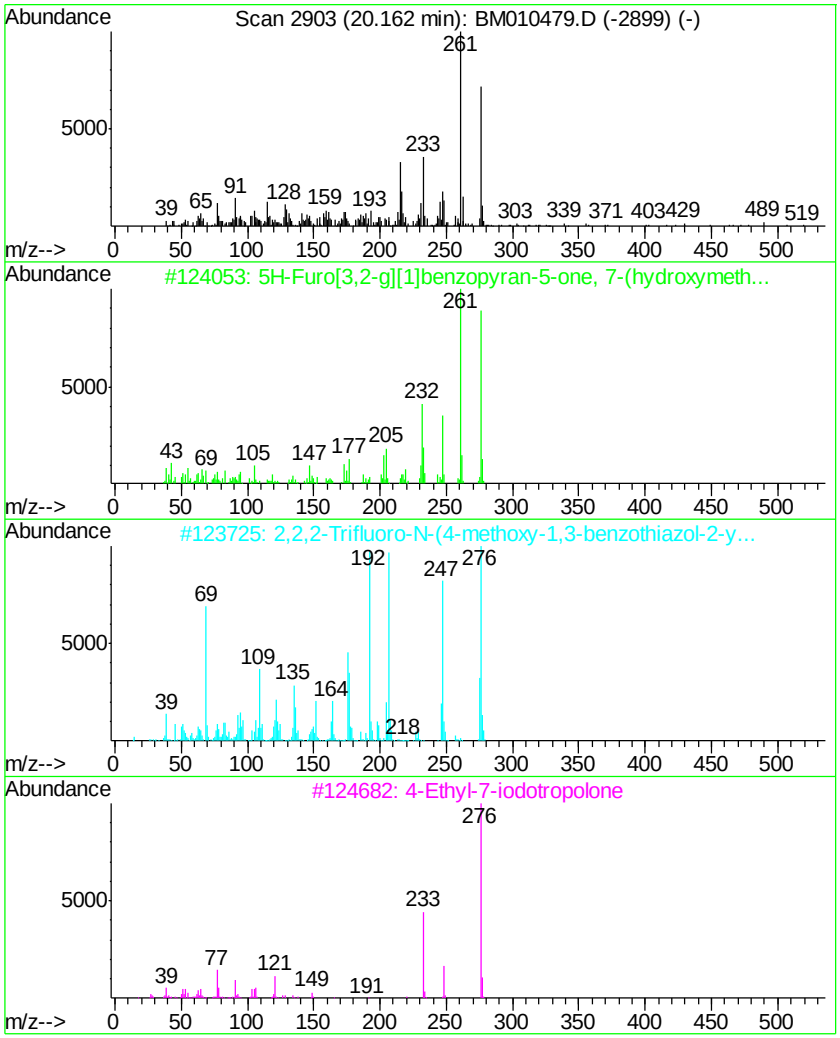
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

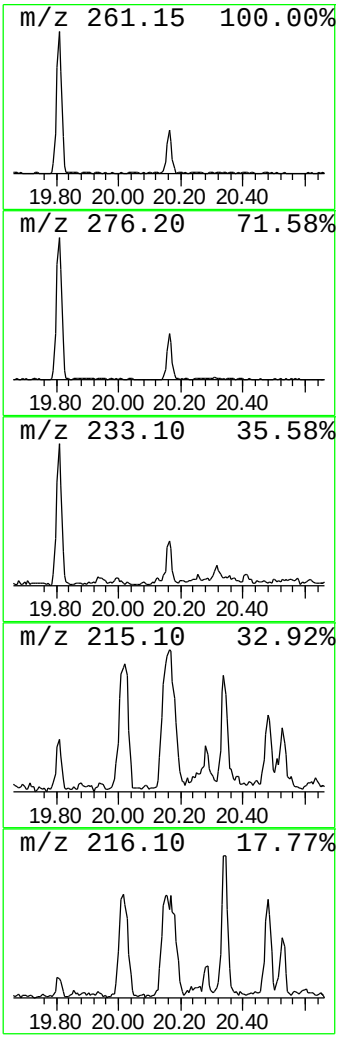
****

Peak Number 7 5H-Furo[3,2-g][1]benzopyran... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.16	2.20 ng/ul	466875	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Furo[3,2-g][1]benzopyran-5-on...	276	C14H12O6	000668-10-0	64
2	2,2,2-Trifluoro-N-(4-methoxy-1,3...	276	C10H7F3N2O2S	1000373-11-3	56
3	4-Ethyl-7-iodotropolone	276	C9H9IO2	004508-96-7	47
4	[4,5'-Bipyrimidine]-4',6(1H,1'H)...	276	C12H16N6O2	059549-59-6	43
5	1-(2,5-Dimethylphenyloxy)- 3-flu...	261	C14H12FNO3	1000334-79-7	38





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Sample : I3521-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C30

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

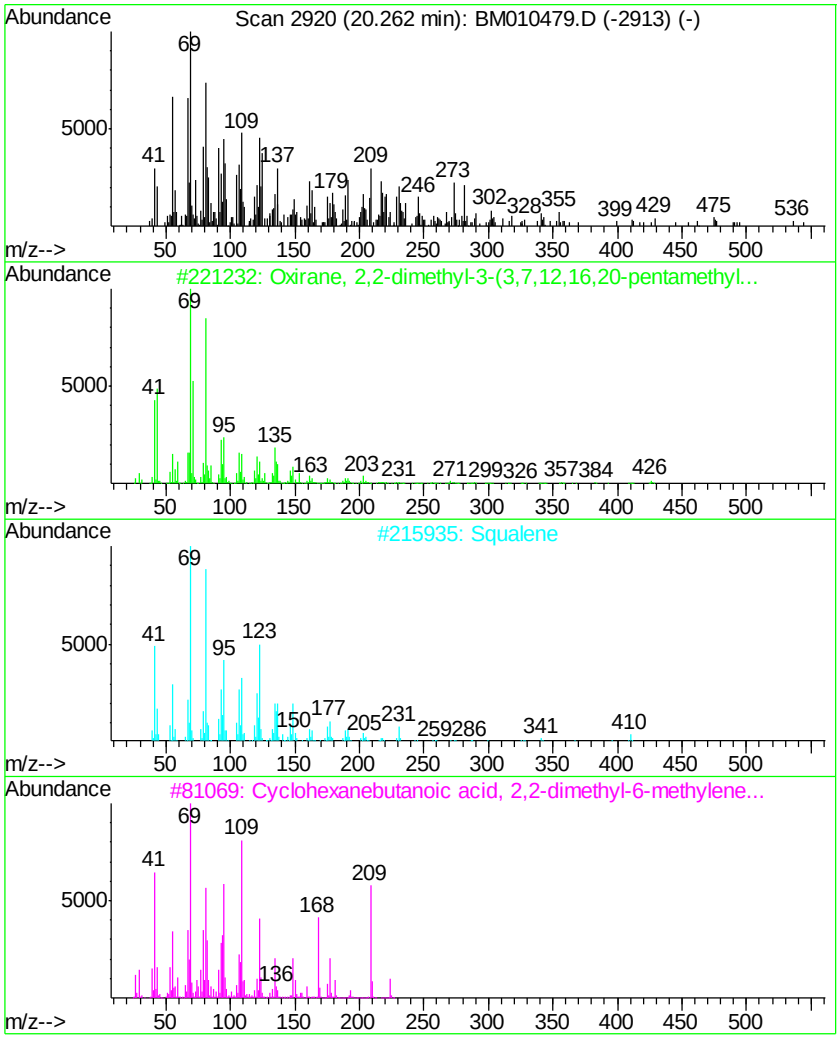
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

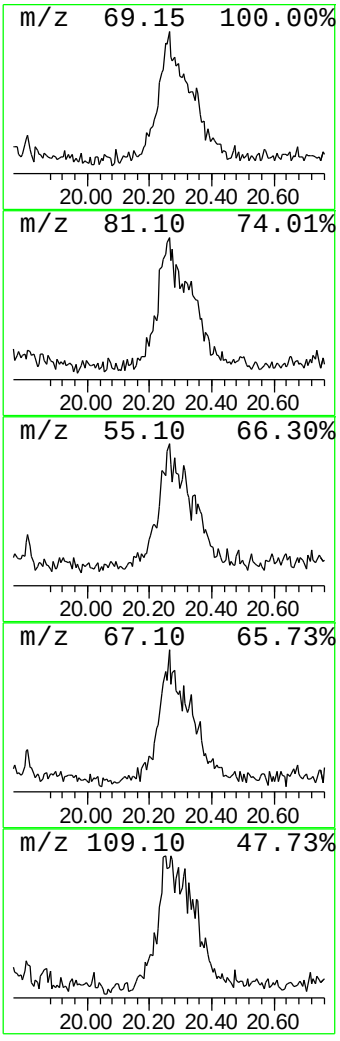
****

Peak Number 8 Oxirane, 2,2-dimethyl-3-(3,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.26	4.39 ng/ul	932338	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, 2,2-dimethyl-3-(3,7,12,...	426	C30H50O	007200-26-2	60
2	Squalene	410	C30H50	000111-02-4	58
3	Cyclohexanebutanoic acid, 2,2-di...	224	C14H24O2	095452-15-6	55
4	Sesquirosefuran	218	C15H22O	039007-93-7	52
5	7-Pentadecyne	208	C15H28	022089-89-0	50





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Data File : BM010479.D
Acq On : 10 Jun 2017 11:22
Operator : SJ/MA
Sample : I3521-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C30

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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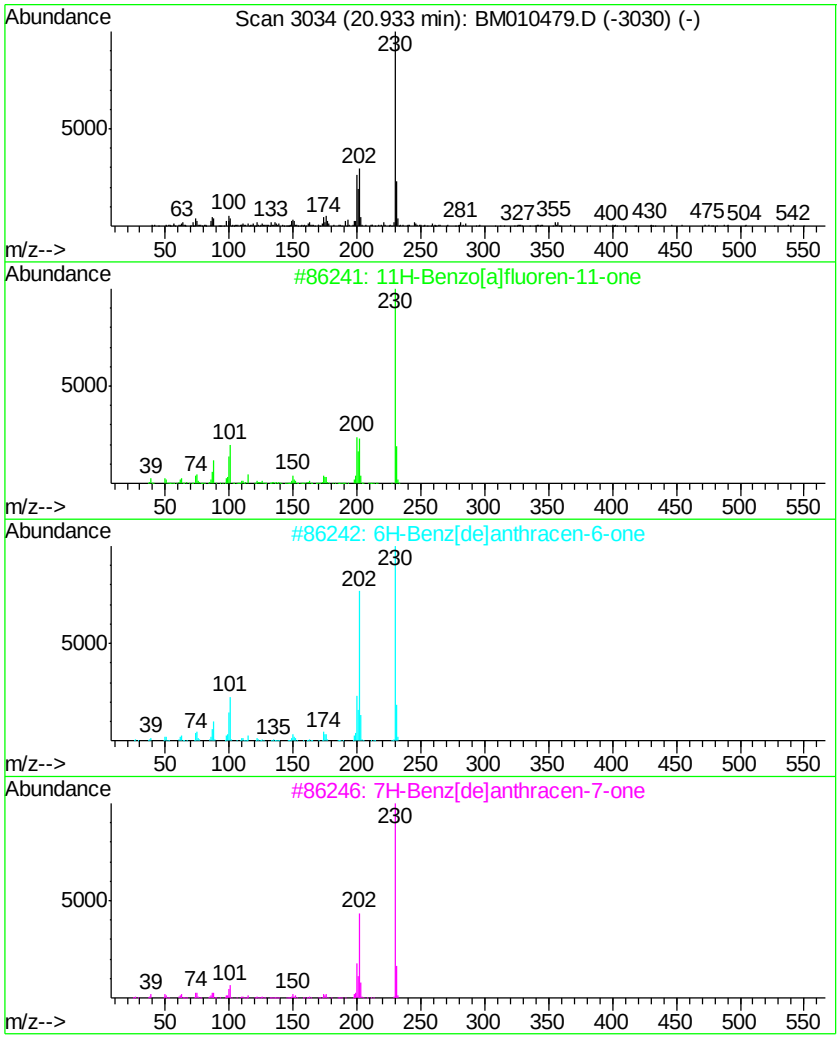
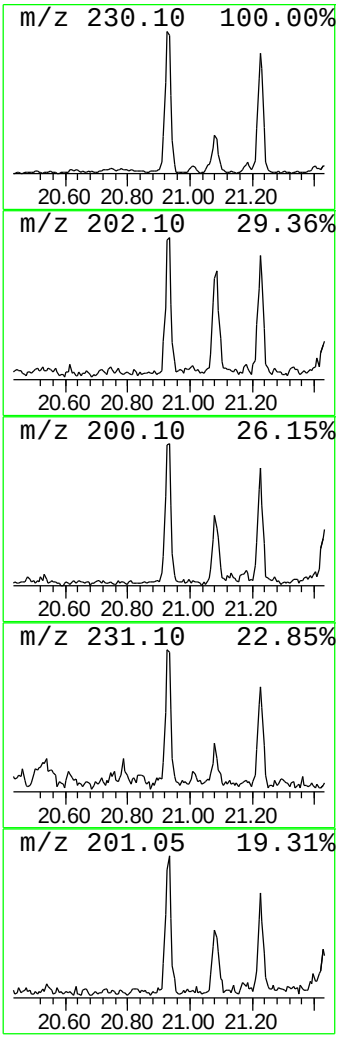
Peak Number 9 11H-Benzo[a]fluoren-11-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	2.52 ng/ul	535312	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	91
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	70
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	59
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	53





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010479.D
Acq On : 10 Jun 2017 11:22
Operator : SJ/MA
Sample : I3521-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C30

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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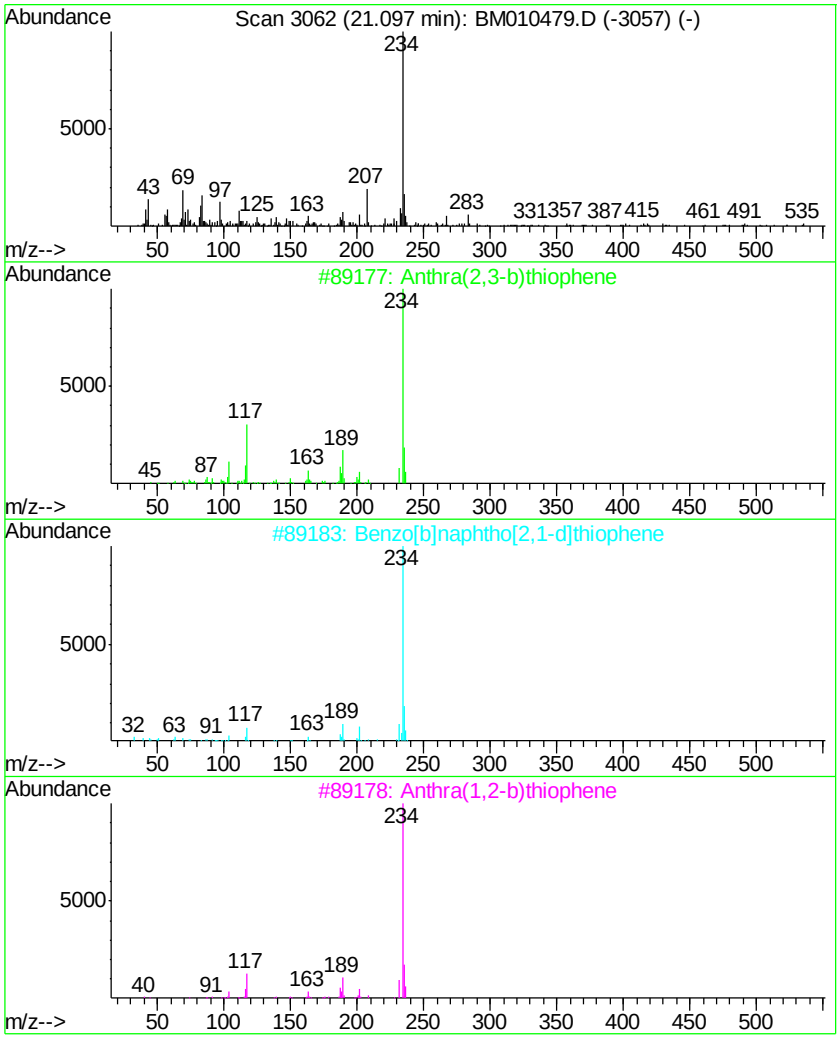
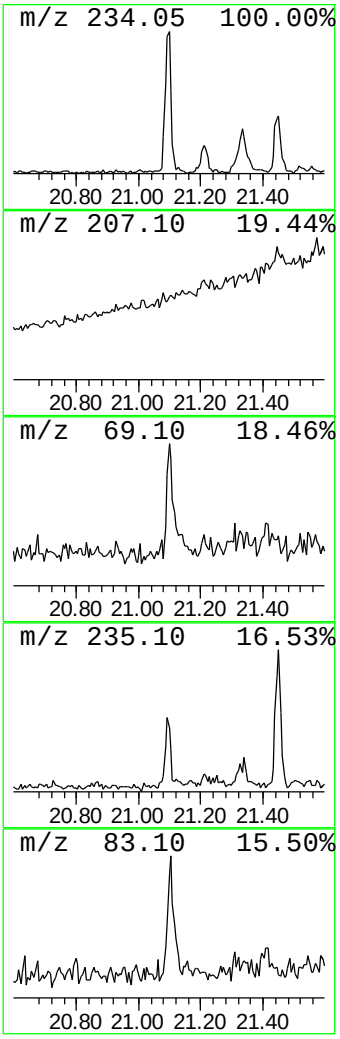
Peak Number 10 Anthra(2,3-b)thiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.10	2.79 ng/ul	592220	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	89
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	76
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	76
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	76
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010479.D
Acq On : 10 Jun 2017 11:22
Operator : SJ/MA
Sample : I3521-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C30

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
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
cis-9-Hexadecenoi...	18.07	3.9	ng/ul	439277	4	17.28	2270070	20.0
Tridecanoic acid	18.13	8.0	ng/ul	912908	4	17.28	2270070	20.0
9,10-Anthracenedione	18.70	2.9	ng/ul	332819	4	17.28	2270070	20.0
Cyclopenta(def)ph...	19.22	3.9	ng/ul	441158	4	17.28	2270070	20.0
n-Decanoic acid	19.40	3.2	ng/ul	682363	5	21.44	4250370	20.0
6H-Pyrido[4,3-b]c...	19.81	6.7	ng/ul	1424920	5	21.44	4250370	20.0
5H-Furo[3,2-g][1]...	20.16	2.2	ng/ul	466875	5	21.44	4250370	20.0
Oxirane, 2,2-dime...	20.26	4.4	ng/ul	932338	5	21.44	4250370	20.0
11H-Benzo[a]fluor...	20.93	2.5	ng/ul	535312	5	21.44	4250370	20.0
Anthra(2,3-b)thio...	21.10	2.8	ng/ul	592220	5	21.44	4250370	20.0