LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010513.D
Acq On : 11 Jun 2017 07:46
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B47

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	7.075	672	678	688	rBV	671831	1167479	6.79%	0.660%
2	7.234	699	705	713	rBV	499852	753900	4.38%	0.426%
3	7.428	732	738	752	rBV	819178	1336522	7.77%	0.756%
4	7.892	810	817	824	rBV	799902	1252461	7.28%	0.708%
5	8.616	932	940	955	rBV	809554	1370403	7.97%	0.775%
6	9.075	1011	1018	1027	rBV	698285	1178595	6.85%	0.667%
7	9.786	1132	1139	1148	rBV	675492	1137072	6.61%	0.643%
8	10.316	1221	1229	1242	rBV	1051495	1817192	10.56%	1.028%
9	10.692	1285	1293	1300	rBV	950522	1568843	9.12%	0.887%
10	10.857	1313	1321	1330	rBV	643702	1210474	7.04%	0.685%
11	13.945	1839	1846	1850	rBV	1889008	2620848	15.24%	1.483%
12	13.992	1850	1854	1860	rVB	525430	740135	4.30%	0.419%
13	14.227	1886	1894	1908	rBV	1938038	3174212	18.45%	1.796%
14	14.527	1938	1945	1953	rVB2	1433358	2101633	12.22%	1.189%
15	14.768	1981	1986	1997	rVB	479648	792440	4.61%	0.448%
16	15.521	2105	2114	2120	rBV	2543894	3609788	20.99%	2.042%
17	15.645	2130	2135	2141	rBV	754848	1053671	6.13%	0.596%
18	17.274	2404	2412	2416	rBV	1854616	2618296	15.22%	1.481%
19	17.315	2416	2419	2424	rVV	664208	940031	5.47%	0.532%
20	17.374	2424	2429	2433	rVV	2791899	3950223	22.97%	2.235%
21	17.409	2433	2435	2442	rVB2	379479	520878	3.03%	0.295%
22	17.698	2474	2484	2489	rBV4	270959	631332	3.67%	0.357%
23	18.127	2552	2557	2564	rBV4	480818	937781	5.45%	0.530%
24	18.192	2564	2568	2573	rVB	282940	426286	2.48%	0.241%
25	18.339	2587	2593	2597	rBV5	263833	582048	3.38%	0.329%
26	18.374	2597	2599	2605	rVB	170452	233815	1.36%	0.132%
27	18.545	2624	2628	2633	rBV3	137497	214396	1.25%	0.121%
28	18.645	2639	2645	2649	rVB	257831	421409	2.45%	0.238%
29	18.698	2650	2654	2659	rBV	299987	425593	2.47%	0.241%
30	18.933	2691	2694	2697	rVB	155331	180879	1.05%	0.102%
31	19.051	2710	2714	2718	rBV	339004	499197	2.90%	0.282%
32	19.103	2719	2723	2727	rVV3	188193	350982	2.04%	0.199%
33	19.209	2735	2741	2748	rVB	560652	917673	5.34%	0.519%
34	19.327	2753	2761	2767	rVV	9221834	12431363	72.27%	7.032%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010513.D
Acq On : 11 Jun 2017 07:46
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B47

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	19.392	2767	2772	2782	rVV4	446736	1246061	7.24%	0.705%
36	19.474	2783	2786	2790	rVV	171101	256219	1.49%	0.145%
37	19.527	2792	2795	2798	rVV4	216118	326290	1.90%	0.185%
38	19.574	2798	2803	2811	rVB3	291963	772496	4.49%	0.437%
39	19.662	2811	2818	2821	rBV2	4128165	7397039	43.00%	4.184%
40	19.698	2821	2824	2829	rVV	8832793	10838225	63.01%	6.131%
41	19.750	2829	2833	2839	rVB2	558015	851578	4.95%	0.482%
42	19.868	2849	2853	2857	rVB	543879	701617	4.08%	0.397%
43	19.915	2857	2861	2863	rBV3	158567	245620	1.43%	0.139%
44	19.939	2863	2865	2870	rVB	317986	412540	2.40%	0.233%
45	20.003	2870	2876	2884	rBV4	892862	2367265	13.76%	1.339%
46	20.080	2886	2889	2893	rBV3	231242	303783	1.77%	0.172%
47	20.150	2893	2901	2909	rVB4	820842	2536360	14.75%	1.435%
48	20.333	2925	2932	2936	rBV2	1045576	2107034	12.25%	1.192%
49	20.368	2936	2938	2941	rBV	246700	246204	1.43%	0.139%
50	20.409	2942	2945	2949	rVB2	250842	311727	1.81%	0.176%
51	20.480	2953	2957	2961	rBV	799373	1181214	6.87%	0.668%
52	20.521	2961	2964	2967	rVB2	528866	600183	3.49%	0.340%
53	20.603	2975	2978	2985	rVB7	369601	571343	3.32%	0.323%
54	20.927	3028	3033	3039	rBV	2747093	3880251	22.56%	2.195%
55	21.092	3055	3061	3065	rBV2	1824091	3468038	20.16%	1.962%
56	21.127	3065	3067	3071	rVV2	1297380	1700861	9.89%	0.962%
57	21.168	3071	3074	3079	rVV2	1370084	2170538	12.62%	1.228%
58	21.227	3079	3084	3093	rVB2	1816391	2713735	15.78%	1.535%
59	21.433	3110	3119	3125	rBV2	5747347	15331766	89.13%	8.673%
60	21.480	3125	3127	3132	rVB	6427248	7767867	45.16%	4.394%
61	21.662	3154	3158	3161	rBV4	545571	893910	5.20%	0.506%
62	21.756	3171	3174	3177	rBV	497685	755554	4.39%	0.427%
63	21.809	3180	3183	3187	rVB3	470129	601592	3.50%	0.340%
64	21.944	3203	3206	3209	rBV3	401871	655188	3.81%	0.371%
65	21.997	3213	3215	3220	rVB	1111953	1396129	8.12%	0.790%
66	22.056	3222	3225	3226	rBV	613897	659211	3.83%	0.373%
67	22.209	3248	3251	3258	rVB4	461643	816755	4.75%	0.462%
68	22.509	3298	3302	3307	rBV3	695389	1069818	6.22%	0.605%
69	22.803	3347	3352	3363	rVB3	742641	1909662	11.10%	1.080%
70	23.074	3391	3398	3403	rBV	7663531	17200874	100.00%	9.730%
71	23.250	3424	3428	3432	rBV	546360	849502	4.94%	0.481%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010513.D
Acq On : 11 Jun 2017 07:46
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B47

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

72	23.580	3478	3484	3488	rBV	3202904	5813461	33.80%	3.289%
73	23.633	3488	3493	3497	rVV2	2727009	5295055	30.78%	2.995%
74	23.680	3497	3501	3507	rVB	3159915	5419845	31.51%	3.066%
75	23.780	3513	3518	3523	rBV	1925287	3606756	20.97%	2.040%
76	23.833	3524	3527	3537	rVB	1080783	1947194	11.32%	1.101%
77	26.162	3916	3923	3932	rVB	1629962	4412841	25.65%	2.496%

Sum of corrected areas: 176777051

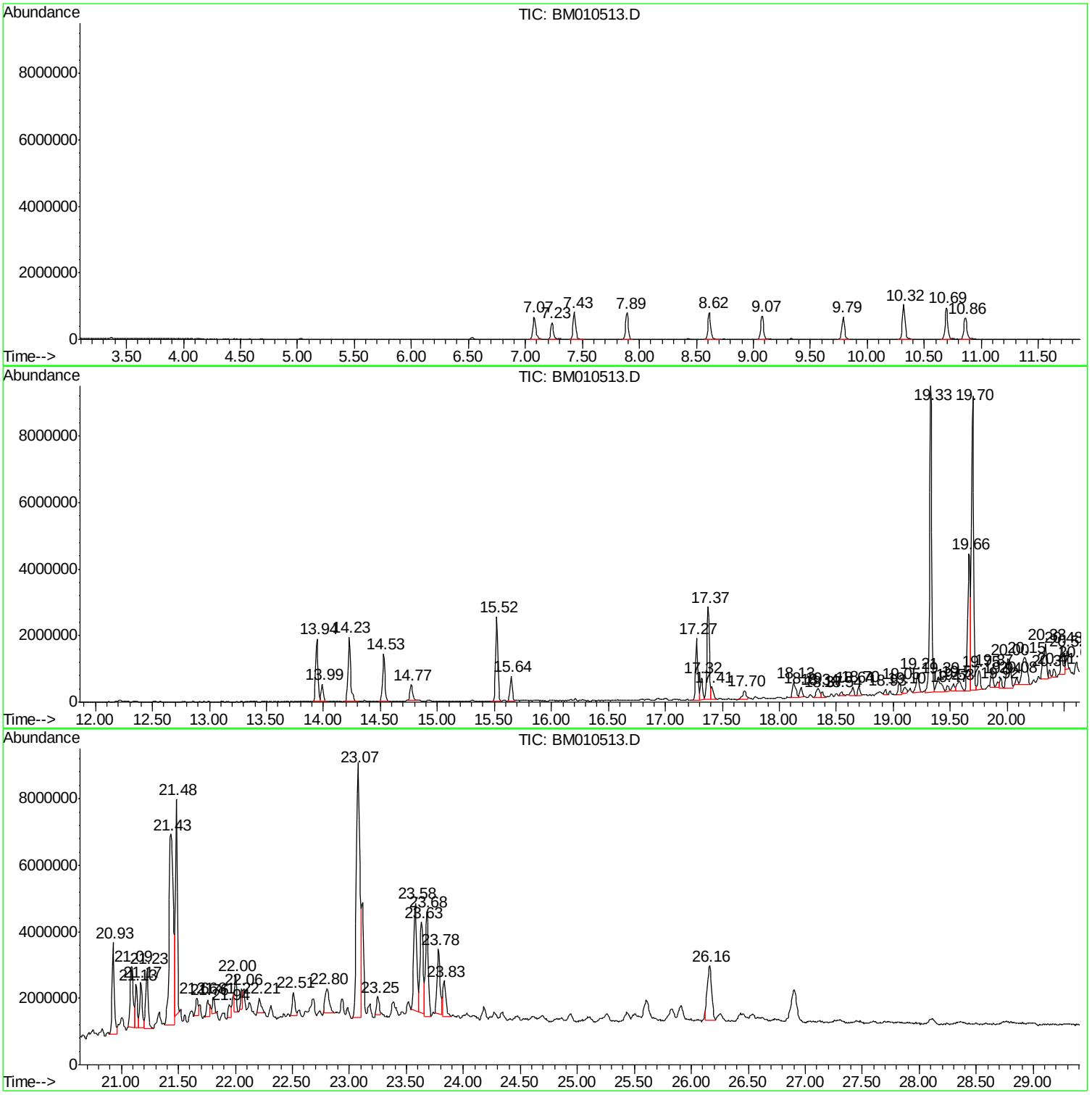
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010513.D
Acq On : 11 Jun 2017 07:46
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B47

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010513.D
Acq On : 11 Jun 2017 07:46
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B47

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

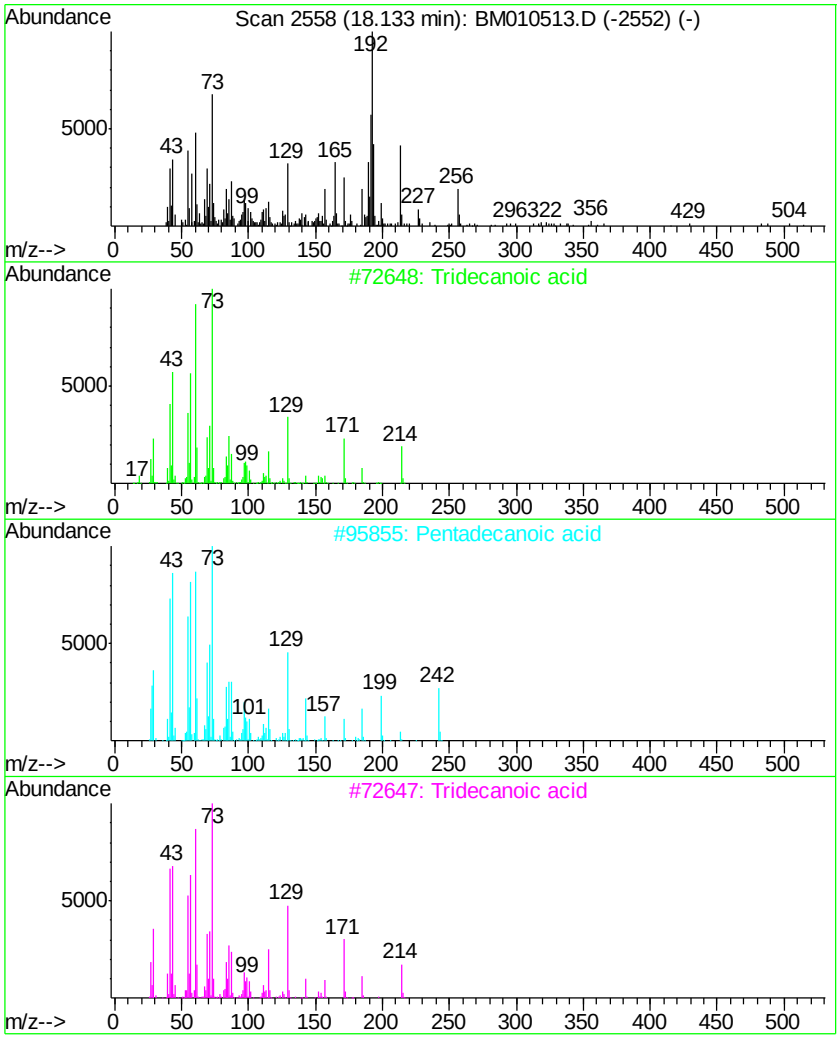
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

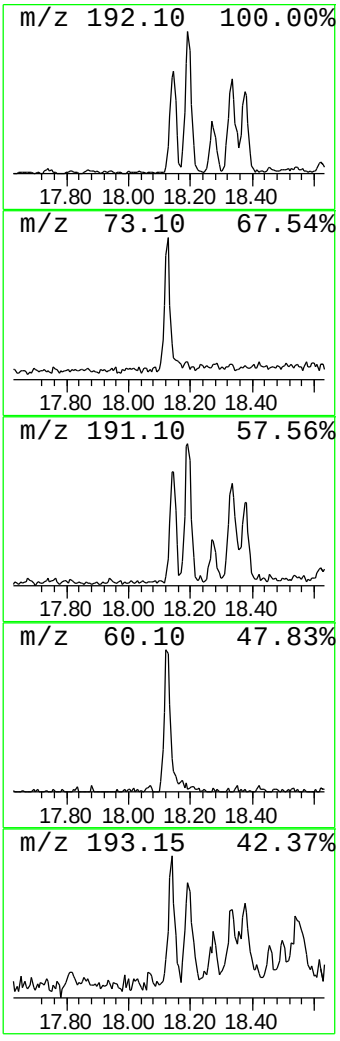
****

Peak Number 1 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	7.16 ng/ul	937781	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	42
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	38
3	Tridecanoic acid	214	C13H26O2	000638-53-9	38
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	38
5	Octadecanoic acid	284	C18H36O2	000057-11-4	38





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010513.D
Acq On : 11 Jun 2017 07:46
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B47

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

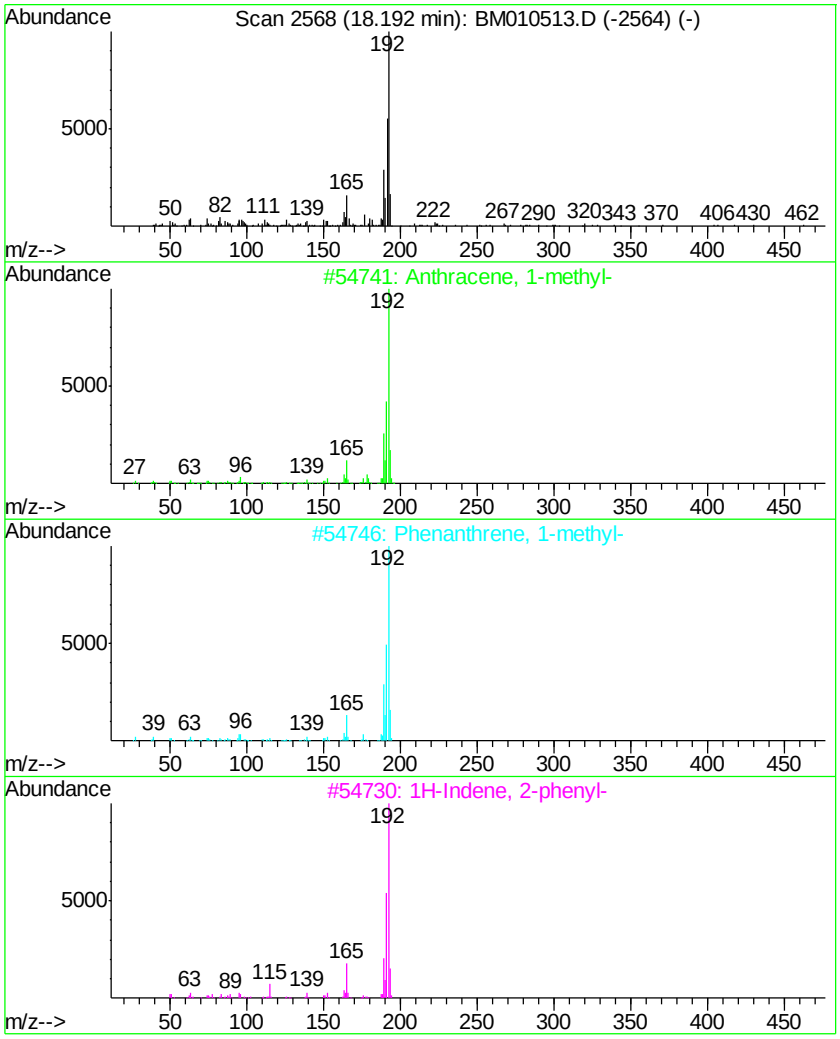
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

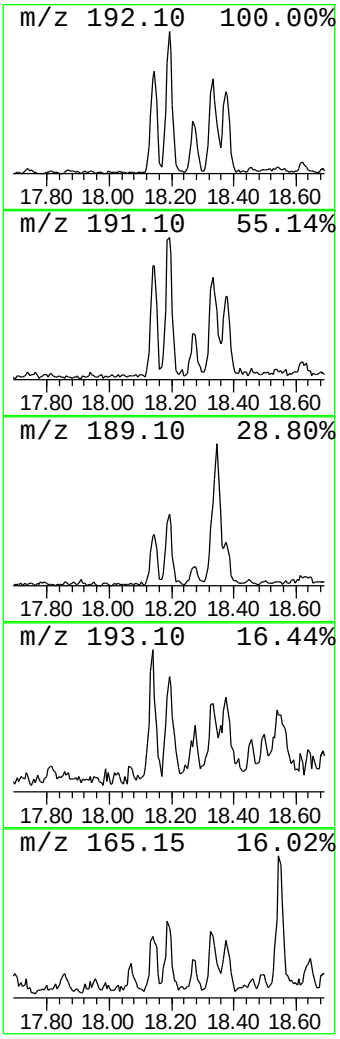
****

Peak Number 2 Anthracene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	3.26 ng/ul	426286	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010513.D
Acq On : 11 Jun 2017 07:46
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B47

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

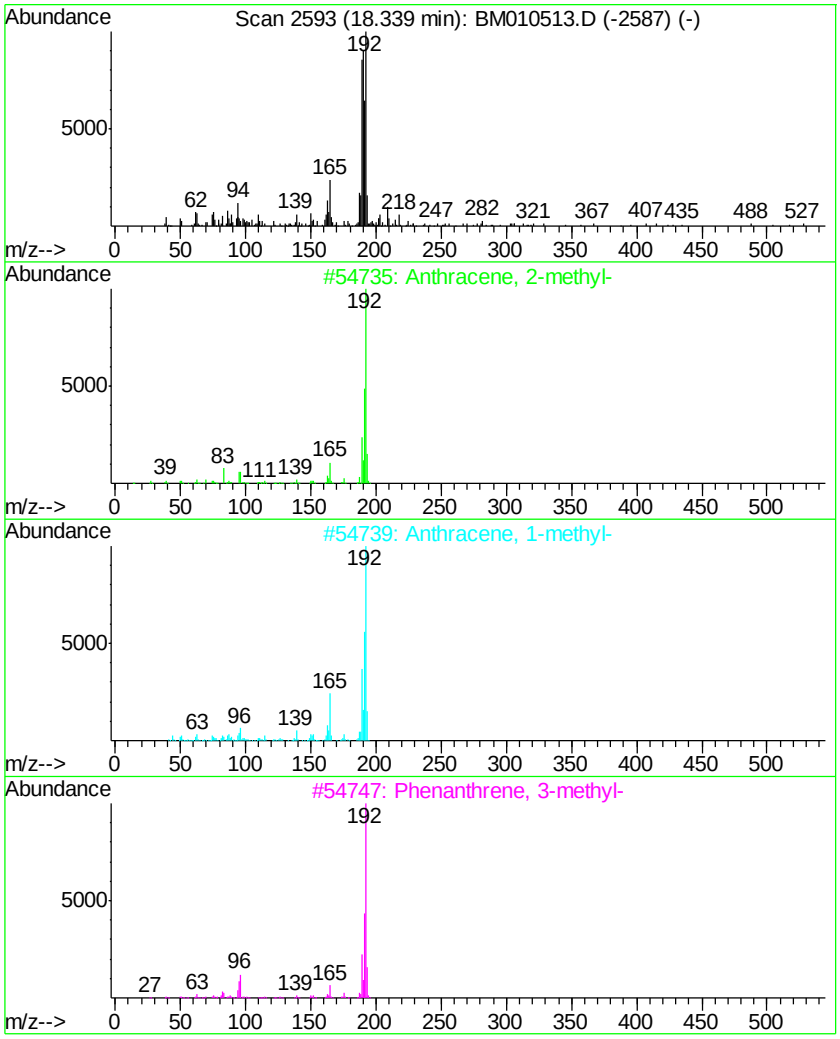
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

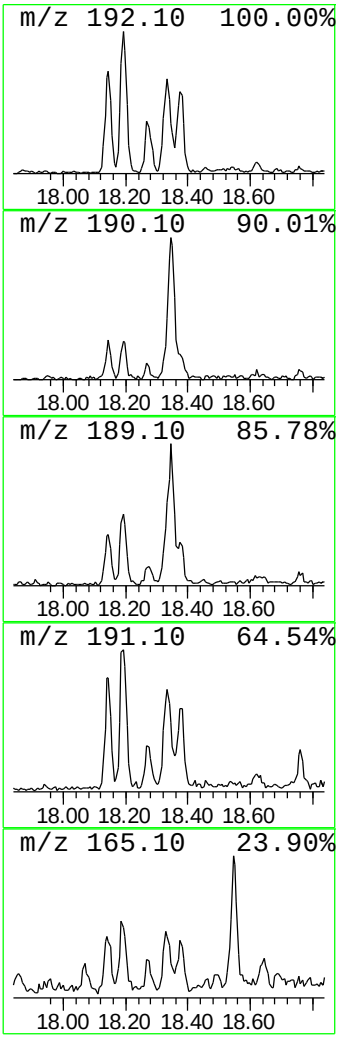
****

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	4.45 ng/ul	582048	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	62
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	46
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010513.D
Acq On : 11 Jun 2017 07:46
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B47

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

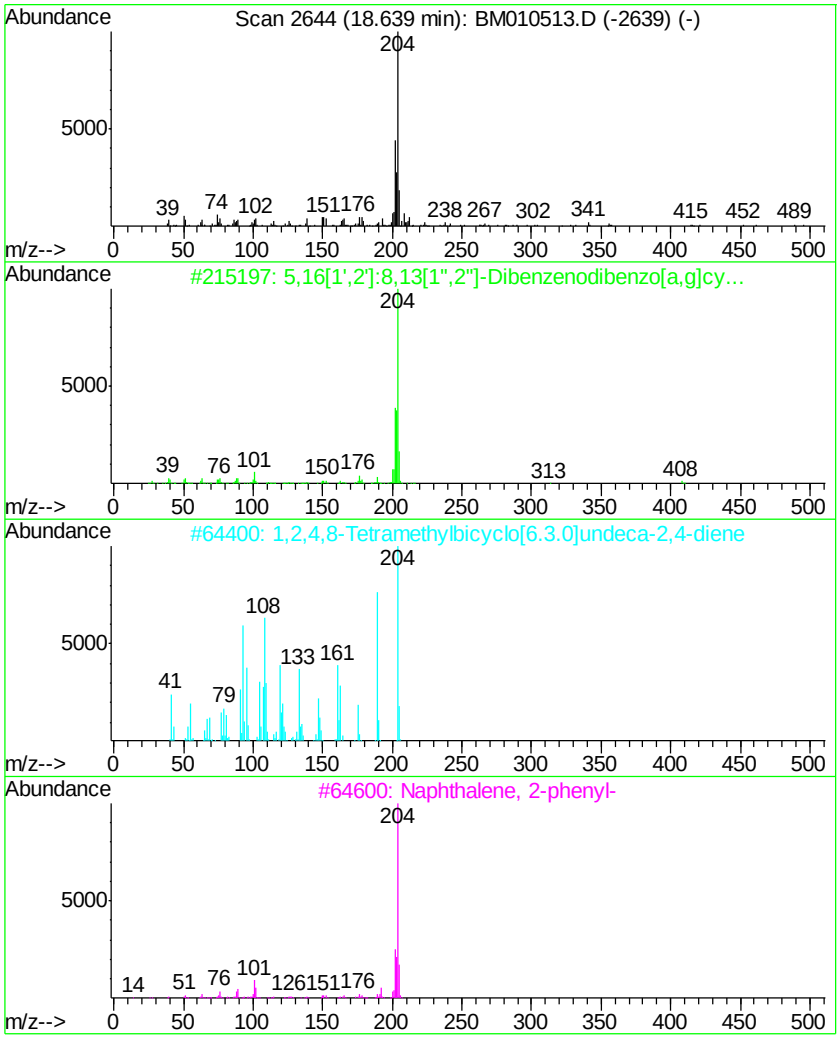
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

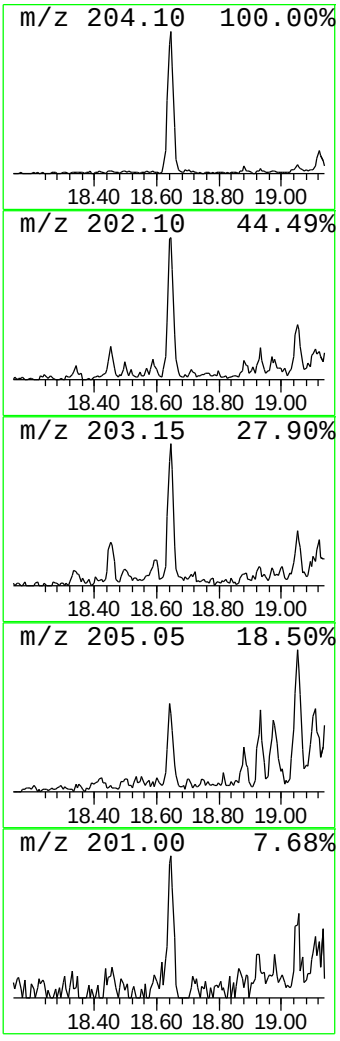
****

Peak Number 4 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.64	3.22 ng/ul	421409	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010513.D
Acq On : 11 Jun 2017 07:46
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B47

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

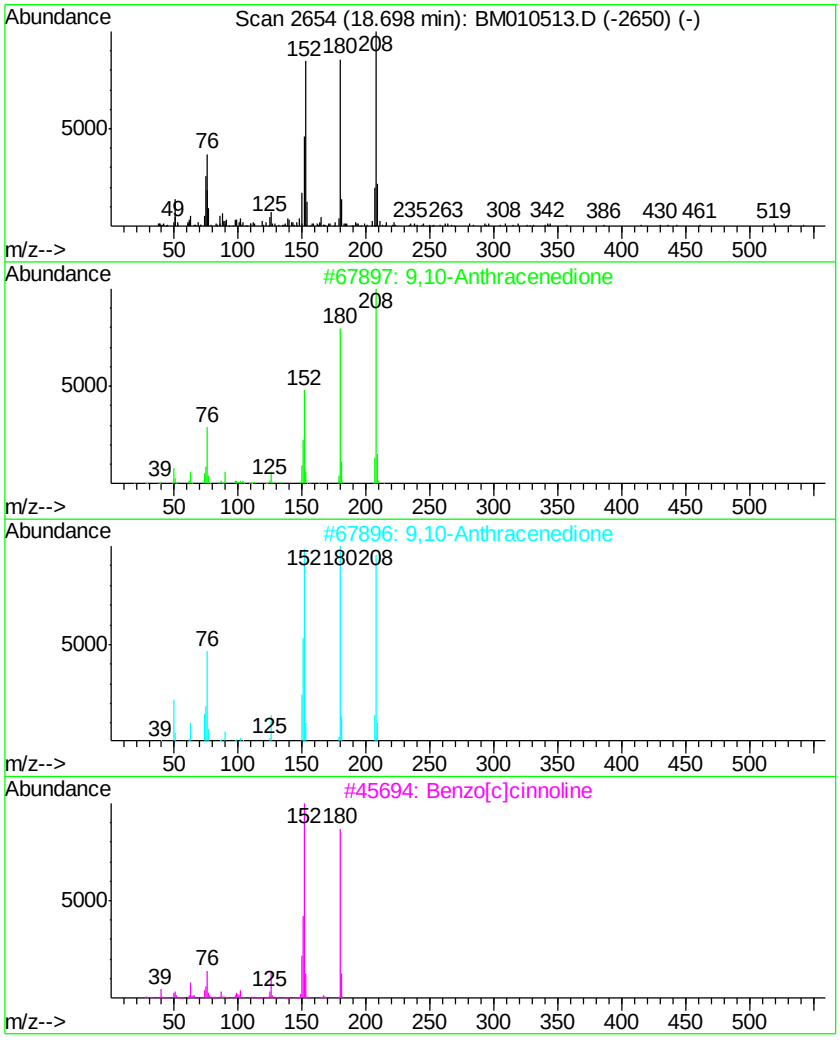
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

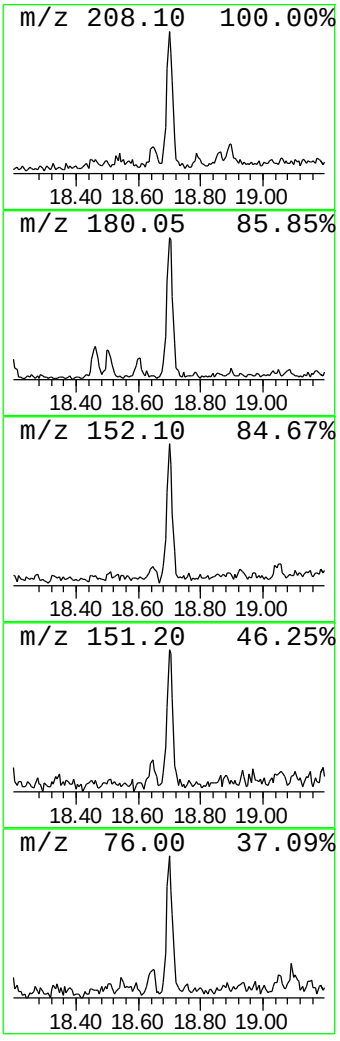
****

Peak Number 5 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	3.25 ng/ul	425593	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	87
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	70
5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	68





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010513.D
Acq On : 11 Jun 2017 07:46
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B47

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

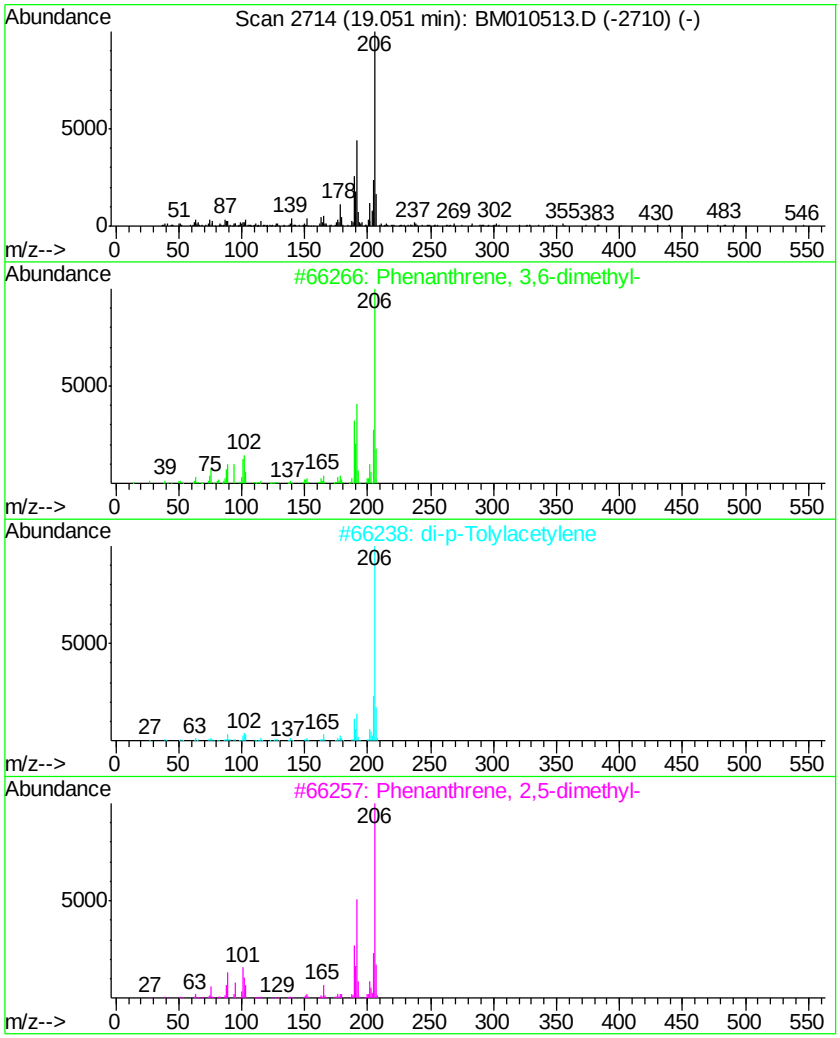
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

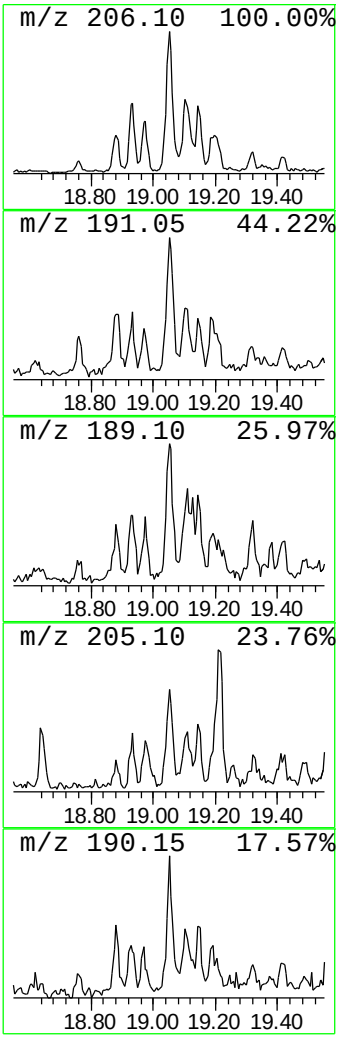
****

Peak Number 6 Phenanthrene, 3,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.05	3.81 ng/ul	499197	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010513.D
Acq On : 11 Jun 2017 07:46
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B47

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

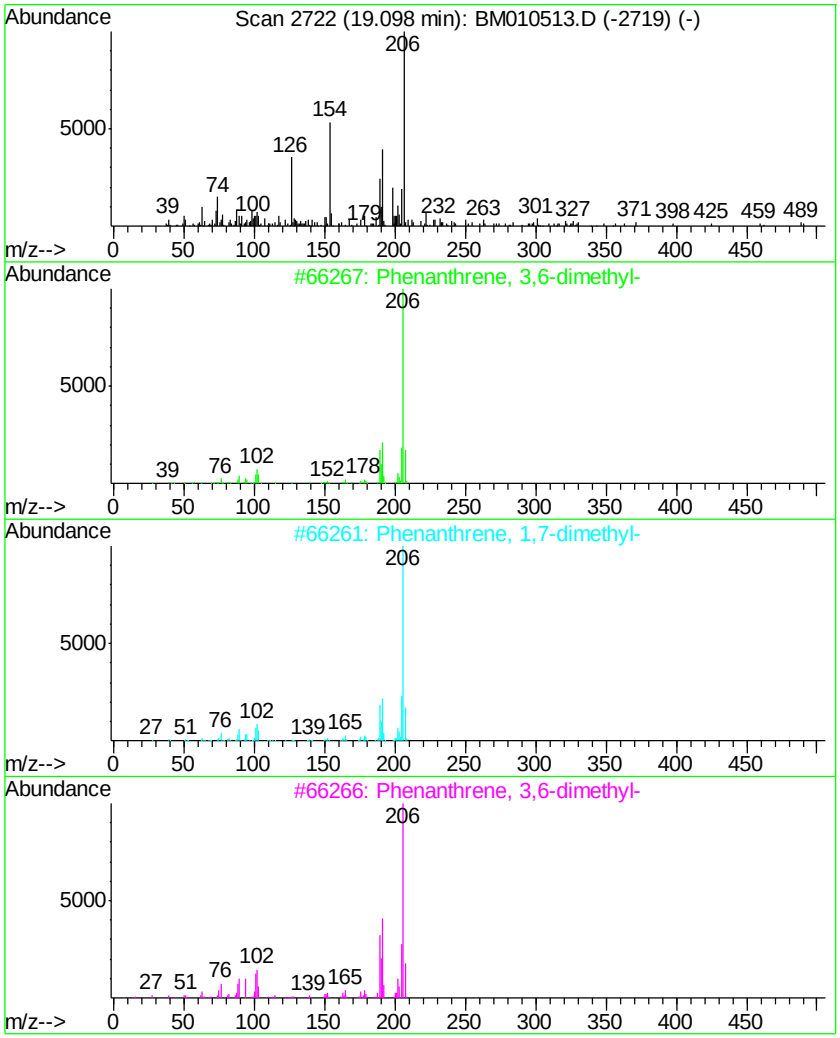
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

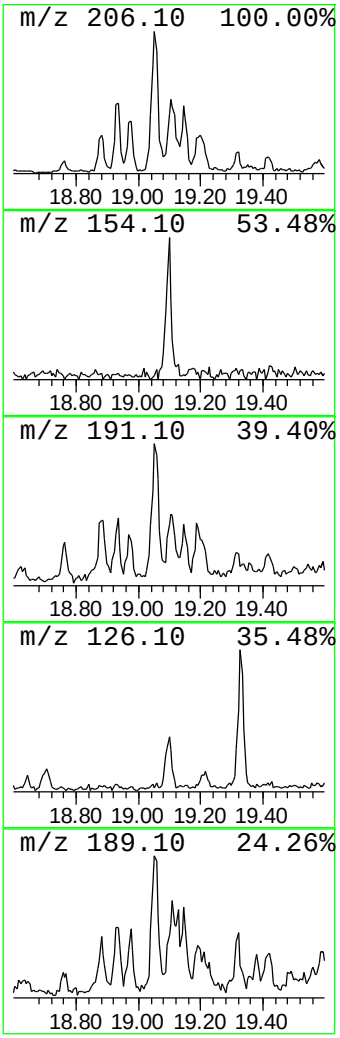
****

Peak Number 7 Phenanthrene, 1,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	2.68 ng/ul	350982	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010513.D
Acq On : 11 Jun 2017 07:46
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B47

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

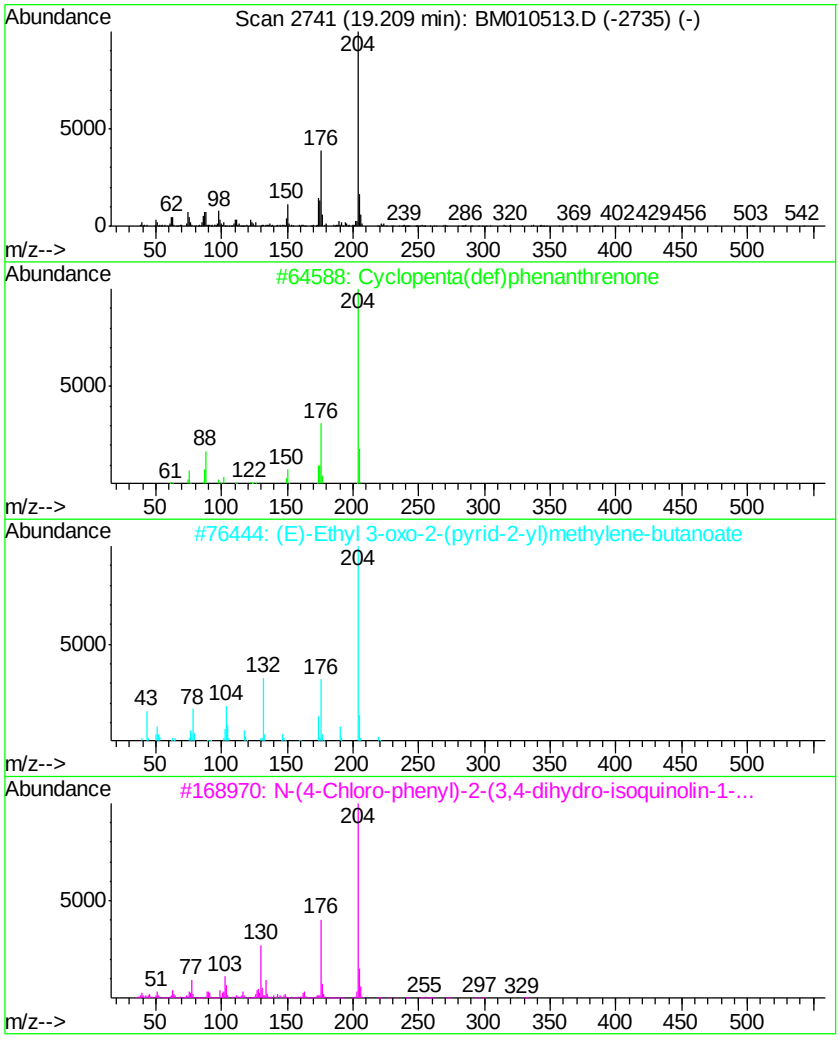
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

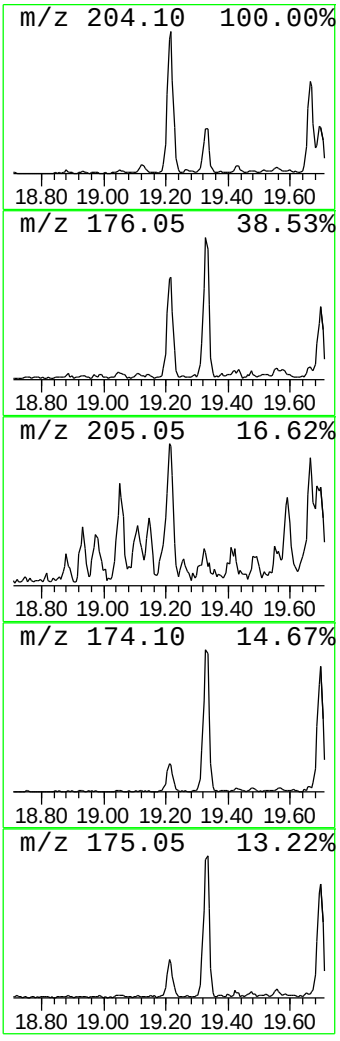
****

Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.21	7.01 ng/ul	917673	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	50
3	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	50
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50
5	Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	47





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010513.D
Acq On : 11 Jun 2017 07:46
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B47

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

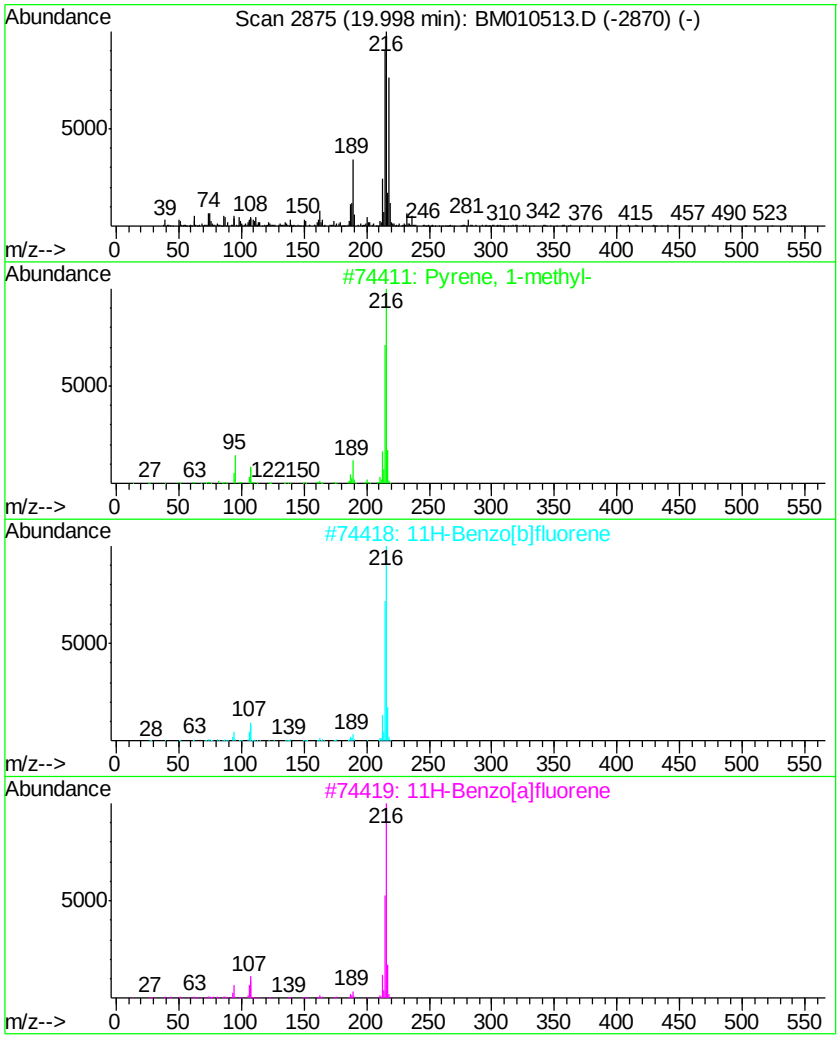
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

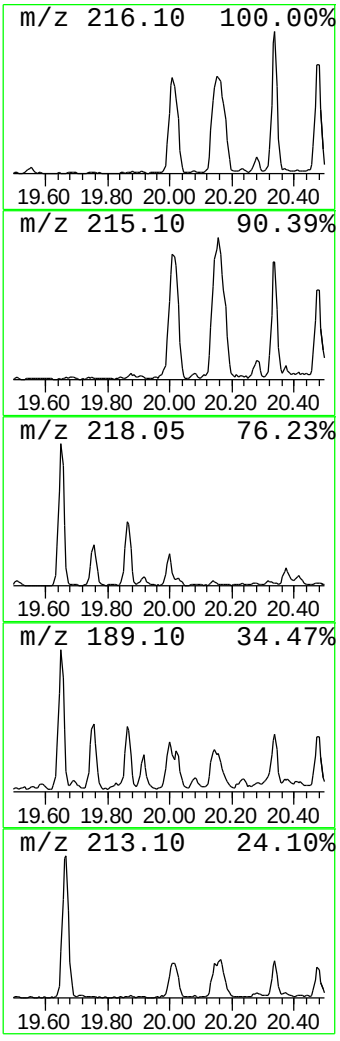
****

Peak Number 9 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	3.09 ng/ul	2367270	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010513.D
Acq On : 11 Jun 2017 07:46
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B47

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

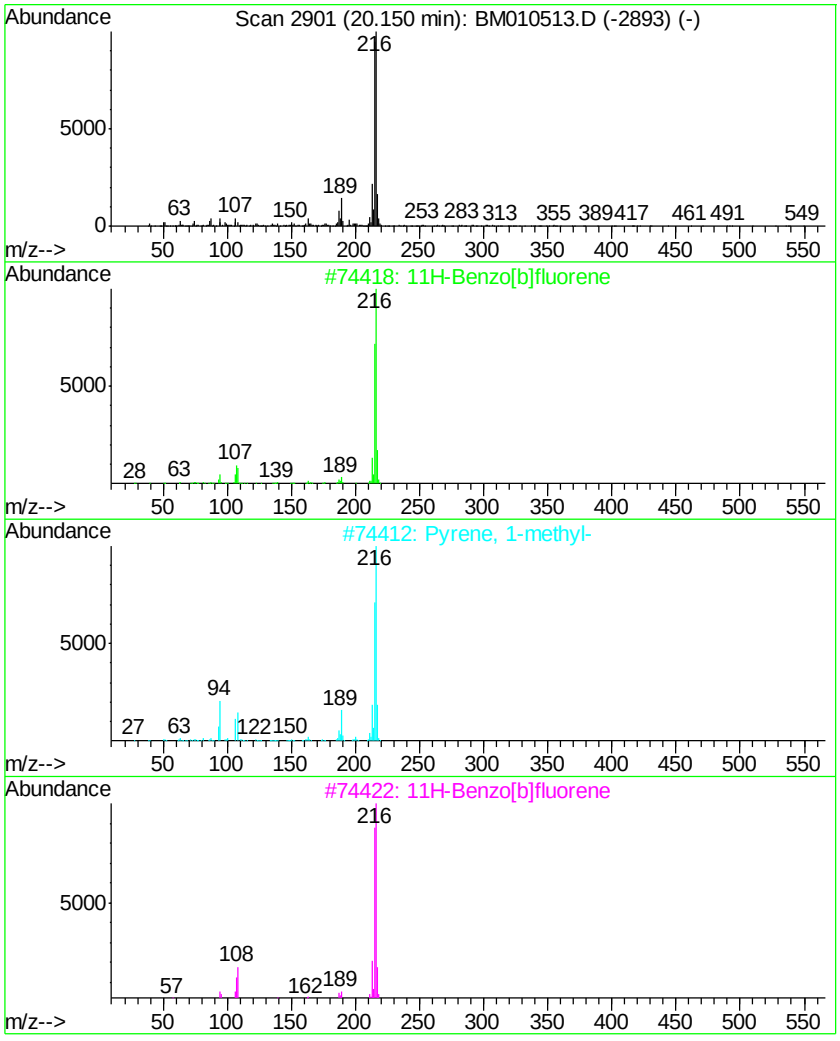
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

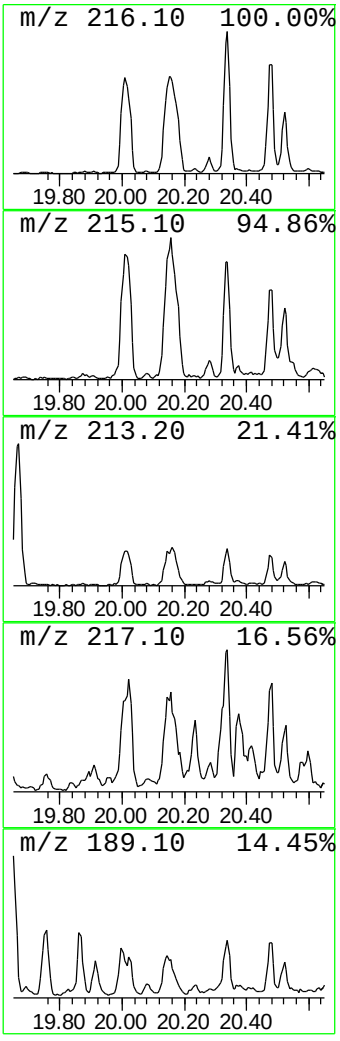
****

Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.15	3.31 ng/ul	2536360	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010513.D
Acq On : 11 Jun 2017 07:46
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B47

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

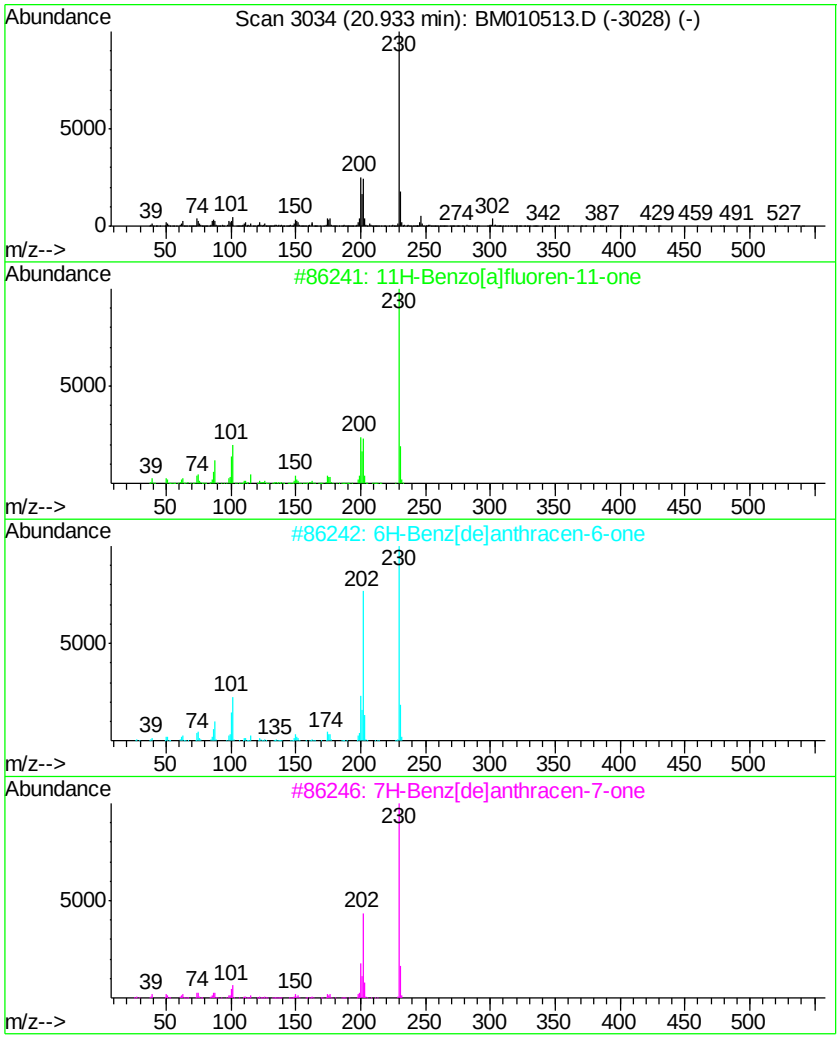
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

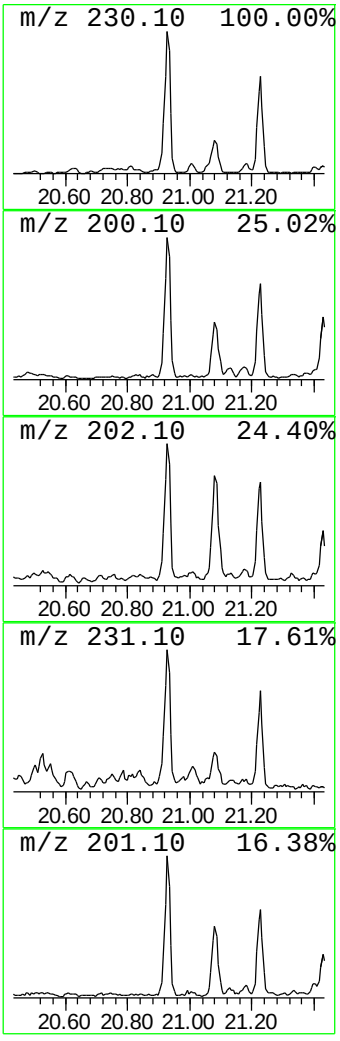
****

Peak Number 12 11H-Benzo[a]fluoren-11-one Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	5.06 ng/ul	3880250	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	93
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	89
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	64
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010513.D
Acq On : 11 Jun 2017 07:46
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B47

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

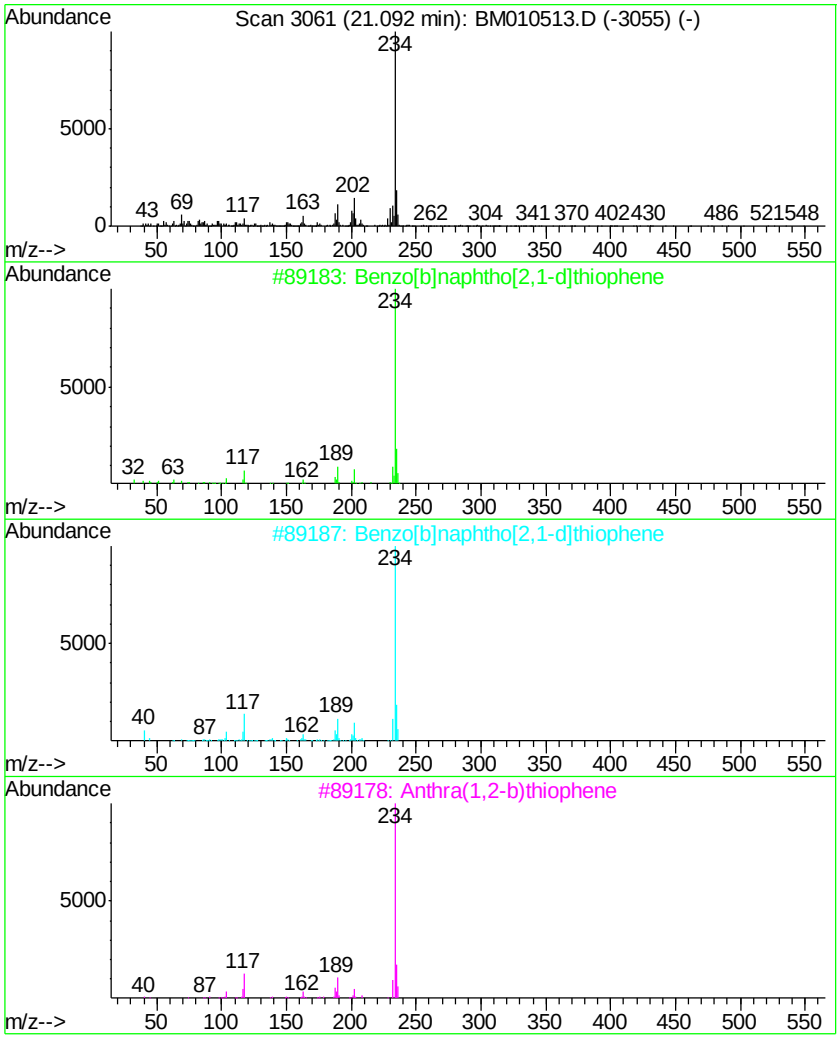
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

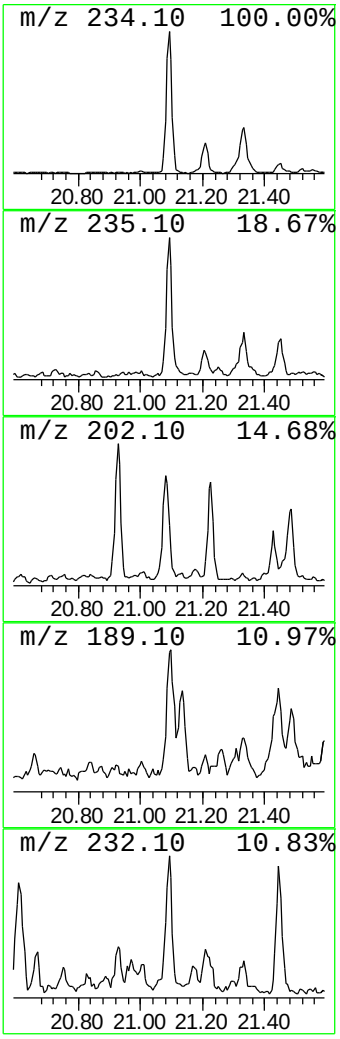
****

Peak Number 13 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.09	4.52 ng/ul	3468040	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	90
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	87
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	80





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010513.D
Acq On : 11 Jun 2017 07:46
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B47

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

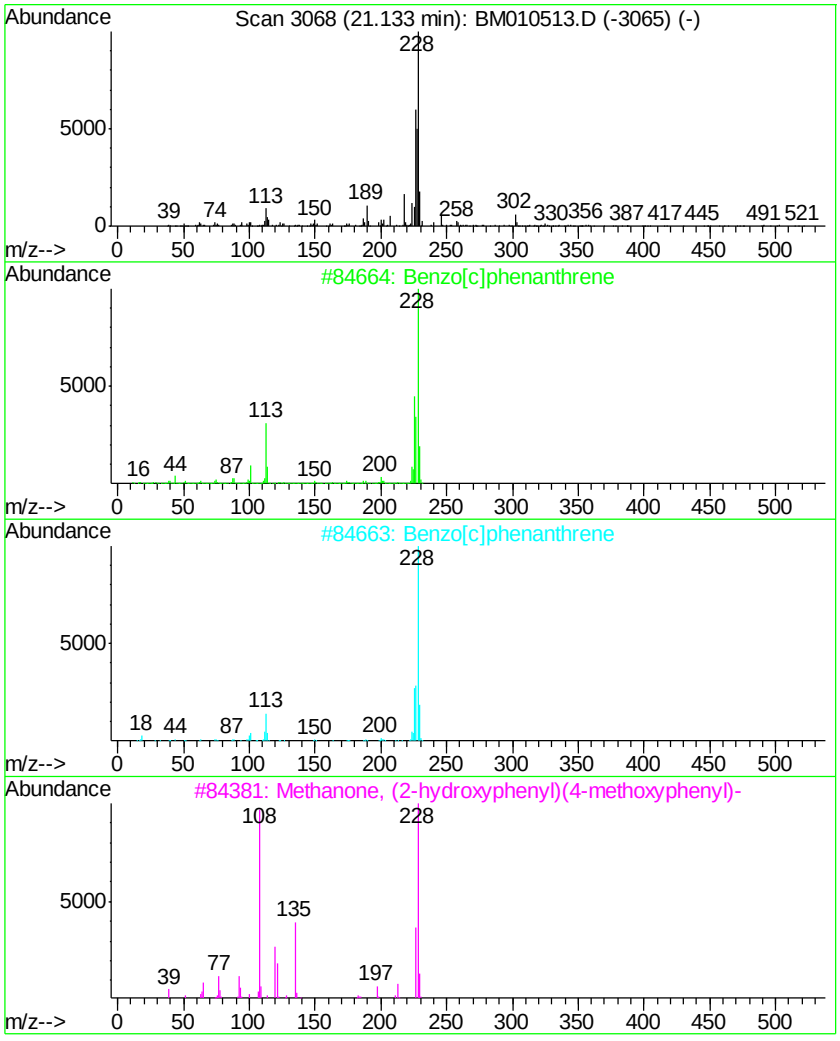
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

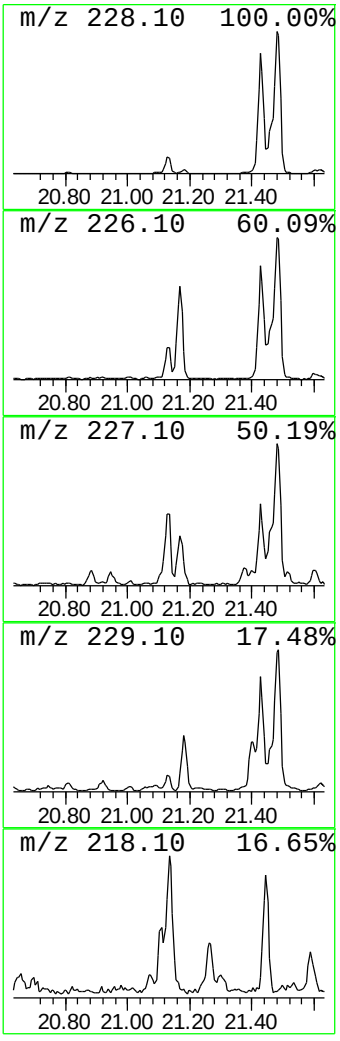
****

Peak Number 14 Benzo[c]phenanthrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.13	2.22 ng/ul	1700860	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	58
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	53
3	Methanone, (2-hydroxyphenyl)(4-m...	228	C14H12O3	018733-07-8	52
4	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	50
5	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	47





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010513.D
Acq On : 11 Jun 2017 07:46
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B47

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

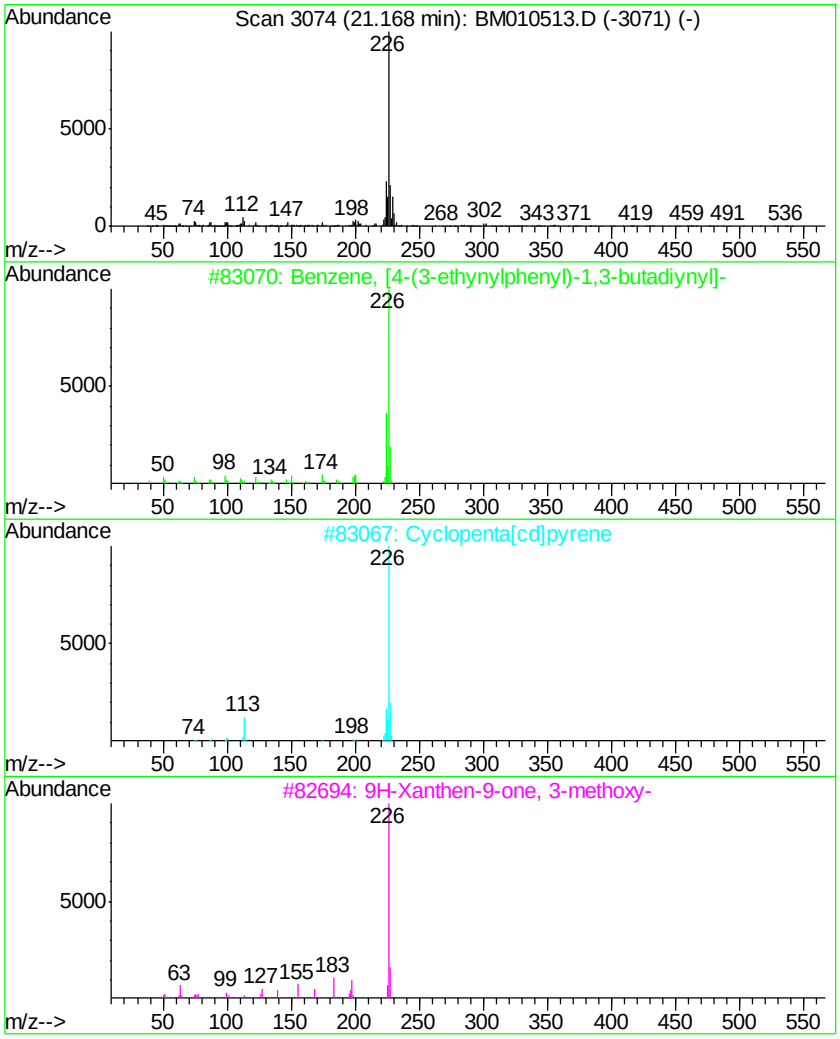
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

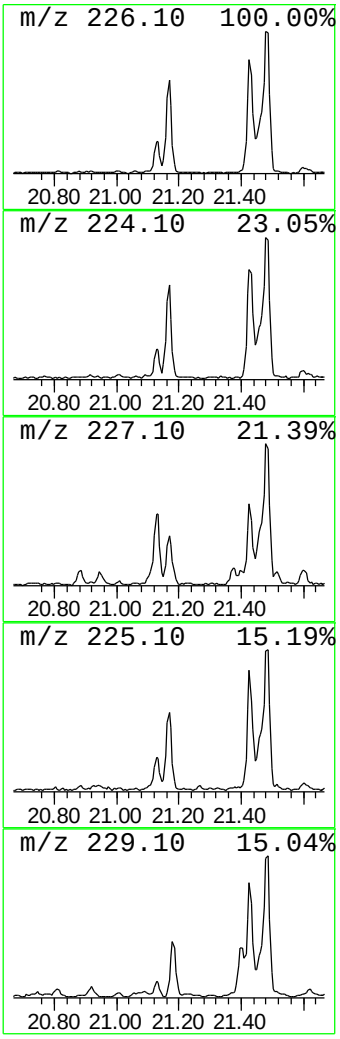
****

Peak Number 15 Benzene, [4-(3-ethynylpheny... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.17	2.83 ng/ul	2170540	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	58
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	58
3	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	53
4	1,8-Diazacyclotetradecane-2,7-dione	226	C12H22N2O2	004266-66-4	47
5	7-p-Tolyl-1,5-dihydro-imidazo[4,...	226	C12H10N4O	1000317-75-5	36





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010513.D
Acq On : 11 Jun 2017 07:46
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B47

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

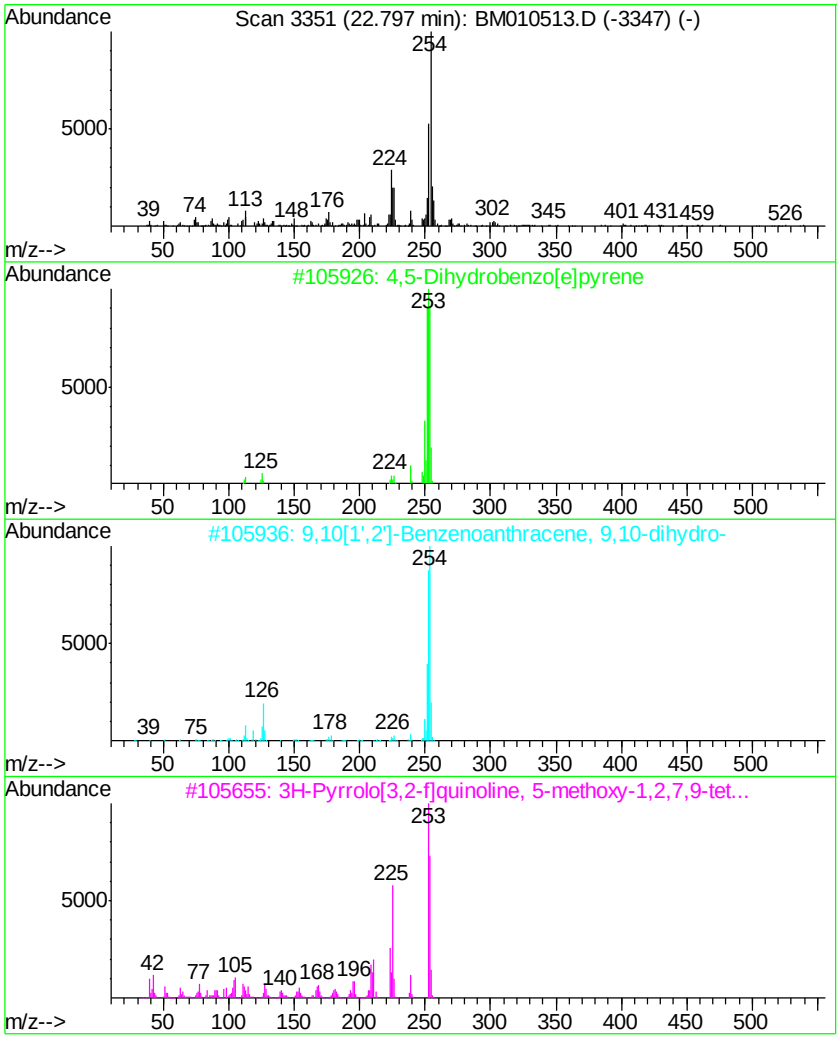
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

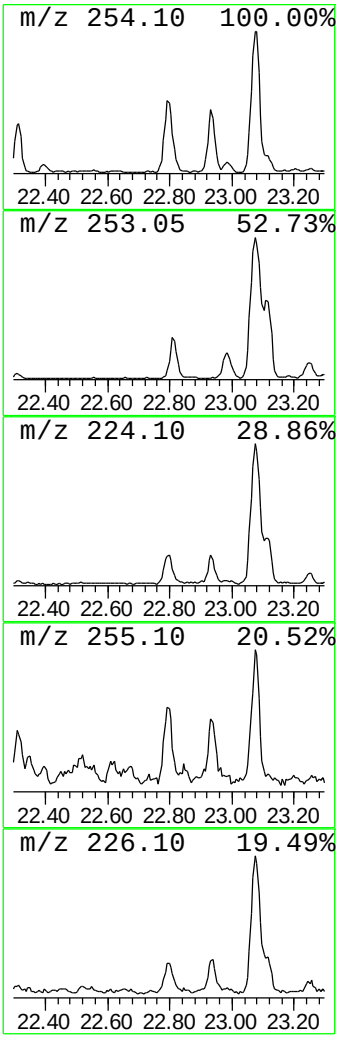
****

Peak Number 17 4,5-Dihydrobenzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.80	10.59 ng/ul	1909660	Perylene-d12	23.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	89
2	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	68
3	3H-Pyrrolo[3,2-f]quinoline, 5-me...	254	C16H18N2O	1000350-44-1	64
4	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	64
5	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	64





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010513.D
Acq On : 11 Jun 2017 07:46
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B47

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

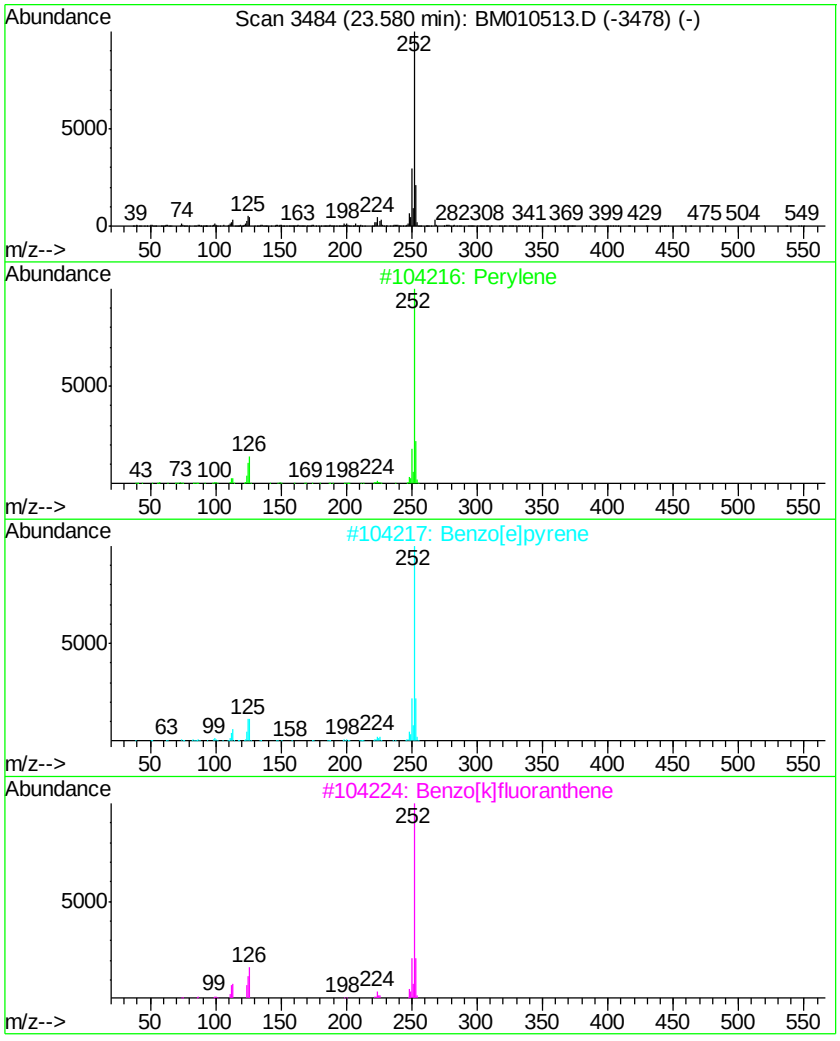
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

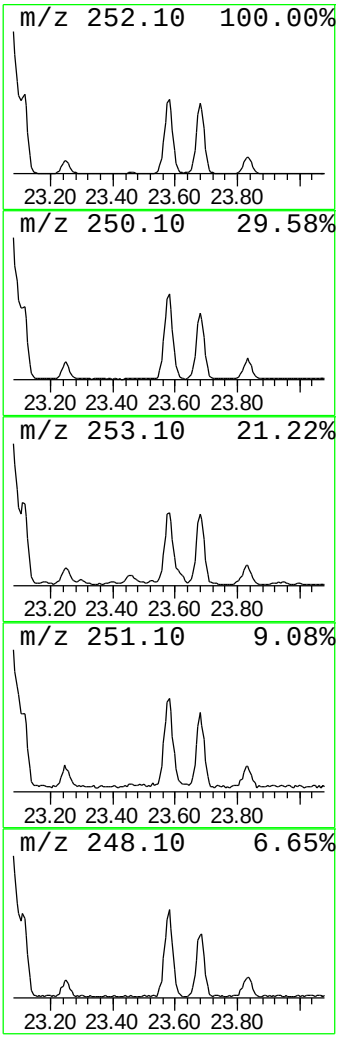
****

Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.58	32.24 ng/ul	5813460	Perylene-d12	23.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	90
2	Benzo[e]pyrene	252	C20H12	000192-97-2	90
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4	Perylene	252	C20H12	000198-55-0	81
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010513.D
Acq On : 11 Jun 2017 07:46
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B47

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

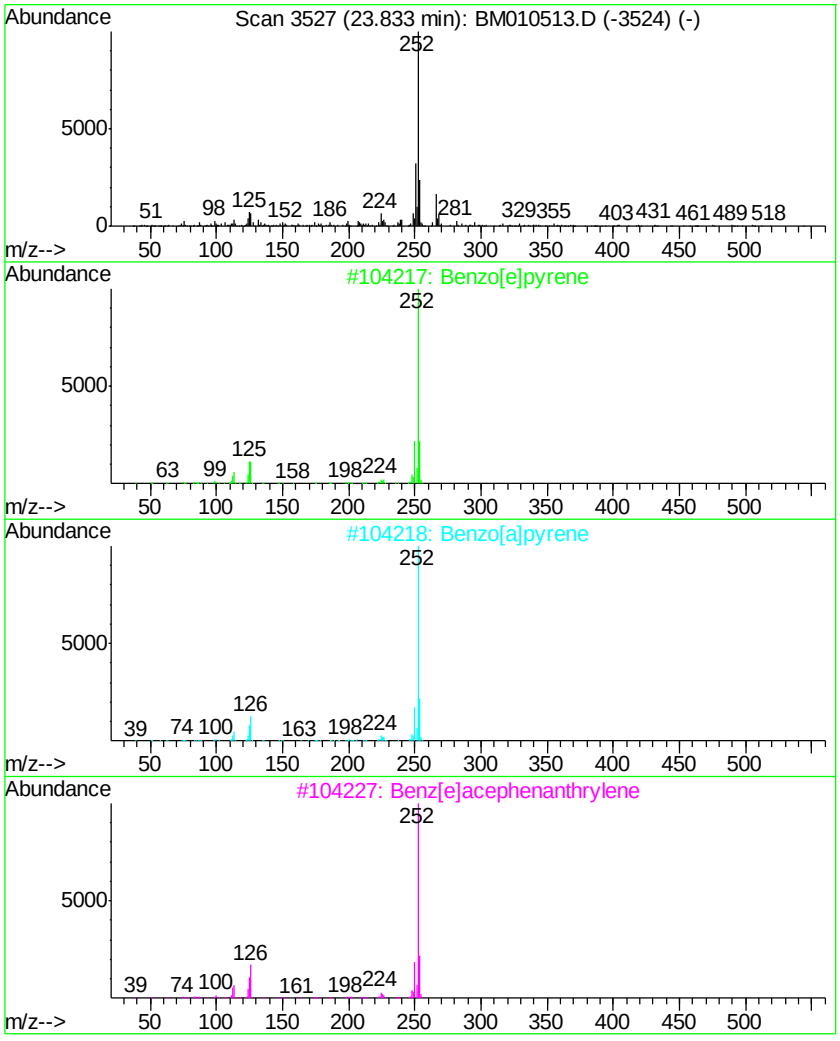
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

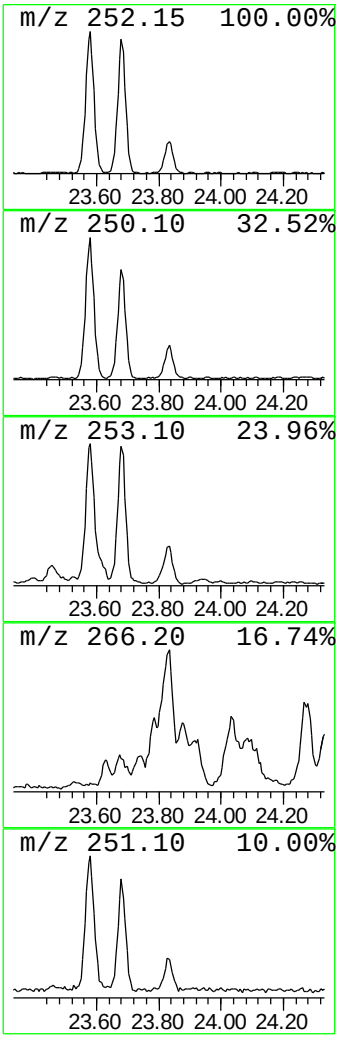
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.83	10.80 ng/ul	1947190	Perylene-d12	23.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	92
2	Benzo[a]pyrene	252	C20H12	000050-32-8	86
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	86
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	70
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010513.D
Acq On : 11 Jun 2017 07:46
Operator : SJ/MA
Sample : I3520-15
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B47

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
unknown-01	18.13	7.2	ng/ul	937781	4	17.27	2618300	20.0
Anthracene, 1-met...	18.19	3.3	ng/ul	426286	4	17.27	2618300	20.0
Anthracene, 2-met...	18.34	4.5	ng/ul	582048	4	17.27	2618300	20.0
5,16[1',2']:8,13[...	18.64	3.2	ng/ul	421409	4	17.27	2618300	20.0
9,10-Anthracenedione	18.70	3.3	ng/ul	425593	4	17.27	2618300	20.0
Phenanthrene, 3,6...	19.05	3.8	ng/ul	499197	4	17.27	2618300	20.0
Phenanthrene, 1,7...	19.10	2.7	ng/ul	350982	4	17.27	2618300	20.0
Cyclopenta(def)ph...	19.21	7.0	ng/ul	917673	4	17.27	2618300	20.0
Pyrene, 1-methyl-	20.00	3.1	ng/ul	2367270	5	21.44	15331800	20.0
11H-Benzo[b]fluorene	20.15	3.3	ng/ul	2536360	5	21.44	15331800	20.0
11H-Benzo[a]fluor...	20.93	5.1	ng/ul	3880250	5	21.44	15331800	20.0
Benzo[b]naphtho[2...	21.09	4.5	ng/ul	3468040	5	21.44	15331800	20.0
Benzo[c]phenanthrene	21.13	2.2	ng/ul	1700860	5	21.44	15331800	20.0
Benzene, [4-(3-et...	21.17	2.8	ng/ul	2170540	5	21.44	15331800	20.0
4,5-Dihydrobenzo[...	22.80	10.6	ng/ul	1909660	6	23.78	3606760	20.0
Perylene	23.58	32.2	ng/ul	5813460	6	23.78	3606760	20.0
Benzo[e]pyrene	23.83	10.8	ng/ul	1947190	6	23.78	3606760	20.0