LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014481.D
Acq On : 05 Mar 2018 20:11
Operator : SJ/JU
Sample : J1678-10DL 20X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0DL

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-BM021418.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	690	696	698	rBV4	16233	29588	1.12%	0.103%
2	7.510	763	769	776	rBV	339694	610046	23.05%	2.131%
3	10.286	1234	1241	1247	rBV	403652	788407	29.78%	2.754%
4	10.333	1247	1249	1259	rVB2	70608	116357	4.40%	0.406%
5	11.975	1523	1528	1538	rBV5	27065	66456	2.51%	0.232%
6	12.192	1559	1565	1574	rVB3	28350	64286	2.43%	0.225%
7	13.492	1778	1786	1792	rBV3	43599	83204	3.14%	0.291%
8	13.551	1792	1796	1801	rBV5	23073	36752	1.39%	0.128%
9	13.604	1801	1805	1810	rBV2	43440	66402	2.51%	0.232%
10	13.733	1821	1827	1830	rBV5	18150	30879	1.17%	0.108%
11	13.869	1845	1850	1852	rBV2	55210	89466	3.38%	0.313%
12	13.892	1852	1854	1863	rVB4	42185	74847	2.83%	0.261%
13	14.174	1895	1902	1909	rBV2	623649	1030374	38.93%	3.599%
14	14.239	1909	1913	1923	rVB2	109687	193773	7.32%	0.677%
15	14.586	1966	1972	1977	rBV2	79057	136576	5.16%	0.477%
16	14.657	1981	1984	1988	rBV6	24170	32936	1.24%	0.115%
17	14.863	2015	2019	2022	rVB6	20187	28649	1.08%	0.100%
18	15.180	2068	2073	2077	rVV2	68926	102207	3.86%	0.357%
19	15.239	2077	2083	2095	rVB	141040	227068	8.58%	0.793%
20	15.398	2106	2110	2115	rVB7	26053	39055	1.48%	0.136%
21	15.533	2129	2133	2140	rVB3	40904	76544	2.89%	0.267%
22	15.686	2156	2159	2167	rVB5	36646	71986	2.72%	0.251%
23	15.921	2192	2199	2207	rVB5	23718	63696	2.41%	0.223%
24	16.245	2247	2254	2259	rBV6	37490	84851	3.21%	0.296%
25	16.298	2259	2263	2267	rVB5	33294	49217	1.86%	0.172%
26	16.398	2276	2280	2284	rVB3	27665	39607	1.50%	0.138%
27	16.451	2284	2289	2291	rBV5	18788	30205	1.14%	0.106%
28	16.515	2296	2300	2307	rVV7	37626	72904	2.75%	0.255%
29	16.610	2310	2316	2323	rVV2	65367	142465	5.38%	0.498%
30	16.686	2323	2329	2333	rVV6	53196	115718	4.37%	0.404%
31	16.757	2337	2341	2349	rVB	94861	159325	6.02%	0.557%
32	16.939	2365	2372	2375	rBV2	751428	1125680	42.53%	3.932%
33	16.980	2375	2379	2385	rVV	1637176	2305968	87.11%	8.055%
34	17.039	2385	2389	2391	rVV2	91323	137040	5.18%	0.479%

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Sample : J1678-10DL 20X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0DL

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Title : SVOA CALIBRATION

35	17.074	2391	2395	2400	rVB	295174	423775	16.01%	1.480%
36	17.362	2436	2444	2453	rBV2	128311	295575	11.17%	1.033%
37	17.457	2457	2460	2463	rBV2	31696	30963	1.17%	0.108%
38	17.521	2468	2471	2475	rVV2	42574	74463	2.81%	0.260%
39	17.557	2475	2477	2481	rVB5	33085	40490	1.53%	0.141%
40	17.657	2489	2494	2503	rVB7	37375	91070	3.44%	0.318%
41	17.751	2503	2510	2513	rBV8	25627	59969	2.27%	0.209%
42	17.815	2516	2521	2525	rVV	262776	392146	14.81%	1.370%
43	17.868	2525	2530	2535	rVV	303870	500605	18.91%	1.749%
44	17.945	2539	2543	2548	rVV	101107	156404	5.91%	0.546%
45	18.009	2548	2554	2558	rVV3	321195	581886	21.98%	2.033%
46	18.051	2558	2561	2568	rVB	188464	265746	10.04%	0.928%
47	18.133	2570	2575	2578	rBV7	32571	58680	2.22%	0.205%
48	18.180	2581	2583	2587	rVV4	23899	30714	1.16%	0.107%
49	18.215	2587	2589	2596	rVV8	27989	40468	1.53%	0.141%
50	18.321	2602	2607	2613	rVV	152912	244652	9.24%	0.855%
51	18.386	2613	2618	2625	rVV3	146746	236834	8.95%	0.827%
52	18.445	2625	2628	2633	rVV3	26619	36491	1.38%	0.127%
53	18.568	2642	2649	2654	rBV4	68474	140718	5.32%	0.492%
54	18.621	2655	2658	2662	rVB4	63530	74128	2.80%	0.259%
55	18.662	2662	2665	2670	rVB4	61212	75962	2.87%	0.265%
56	18.745	2674	2679	2683	rBV	172262	252937	9.56%	0.884%
57	18.809	2684	2690	2693	rVV7	77512	160364	6.06%	0.560%
58	18.839	2693	2695	2698	rVB3	54924	48526	1.83%	0.170%
59	18.904	2699	2706	2710	rBV4	108789	216347	8.17%	0.756%
60	19.015	2718	2725	2731	rBV	1922247	2647067	100.00%	9.247%
61	19.080	2732	2736	2739	rVV4	44971	66903	2.53%	0.234%
62	19.109	2739	2741	2748	rVB7	52636	98621	3.73%	0.345%
63	19.256	2761	2766	2769	rVB2	83086	114701	4.33%	0.401%
64	19.351	2777	2782	2783	rBV2	414677	512372	19.36%	1.790%
65	19.380	2783	2787	2796	rVV	1707580	2299839	86.88%	8.034%
66	19.456	2796	2800	2804	rVV2	110110	139873	5.28%	0.489%
67	19.568	2815	2819	2824	rVB	78905	122370	4.62%	0.427%
68	19.639	2826	2831	2836	rVB3	70211	128910	4.87%	0.450%
69	19.709	2837	2843	2850	rBV3	147039	360454	13.62%	1.259%
70	19.880	2862	2872	2878	rVB3	213294	548220	20.71%	1.915%
71	19.986	2886	2890	2894	rBV	124961	174418	6.59%	0.609%

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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0DL

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Title : SVOA CALIBRATION

72	20.039	2894	2899	2904	rVV2	195378	315191	11.91%	1.101%
73	20.180	2919	2923	2927	rBV	128525	174323	6.59%	0.609%
74	20.227	2927	2931	2935	rVB2	127690	180825	6.83%	0.632%
75	20.645	2998	3002	3008	rBV	202813	280887	10.61%	0.981%
76	20.797	3025	3028	3031	rBV	175250	223443	8.44%	0.781%
77	20.833	3032	3034	3038	rVB	121279	129534	4.89%	0.453%
78	20.945	3050	3053	3060	rVB	192884	251393	9.50%	0.878%
79	21.150	3082	3088	3092	rBV3	1065480	2287274	86.41%	7.990%
80	21.192	3092	3095	3106	rVB	797196	981504	37.08%	3.429%
81	21.697	3179	3181	3186	rVB	165657	192593	7.28%	0.673%
82	22.691	3345	3350	3362	rVB	562168	1518363	57.36%	5.304%
83	23.150	3425	3428	3434	rVB	291472	428669	16.19%	1.497%
84	23.244	3440	3444	3452	rVB	512666	932144	35.21%	3.256%
85	23.339	3456	3460	3465	rVB	404235	663704	25.07%	2.319%

Sum of corrected areas: 28626042

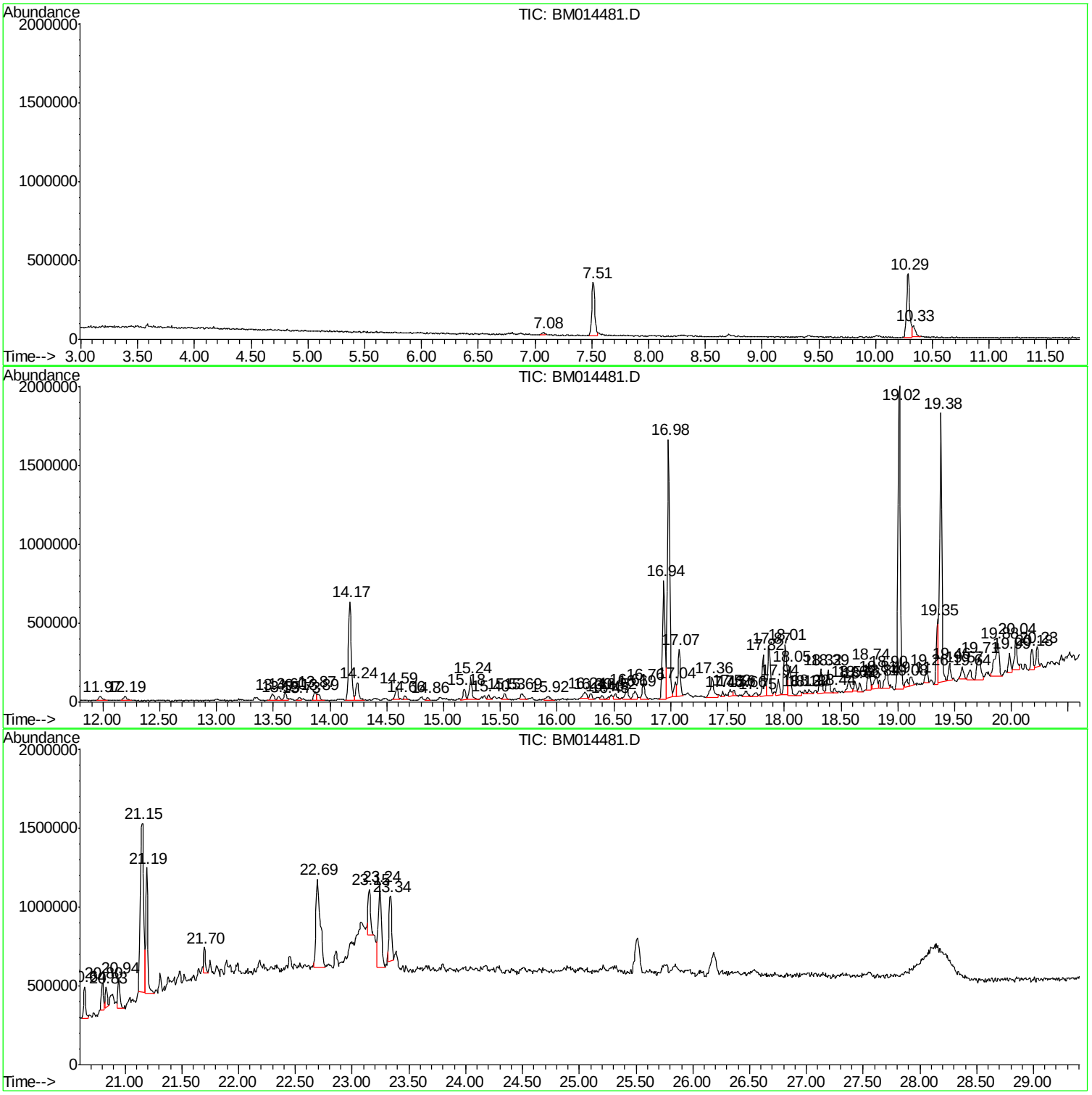
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014481.D
Acq On : 05 Mar 2018 20:11
Operator : SJ/JU
Sample : J1678-10DL 20X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014481.D
Acq On : 05 Mar 2018 20:11
Operator : SJ/JU
Sample : J1678-10DL 20X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

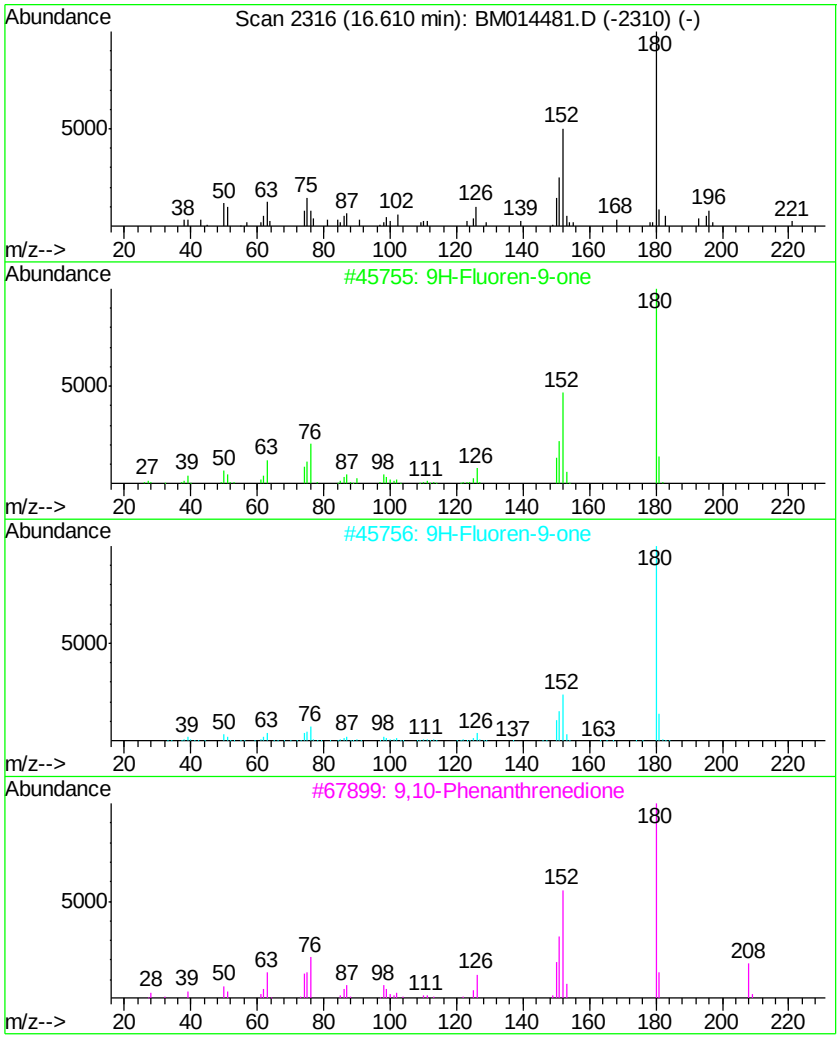
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

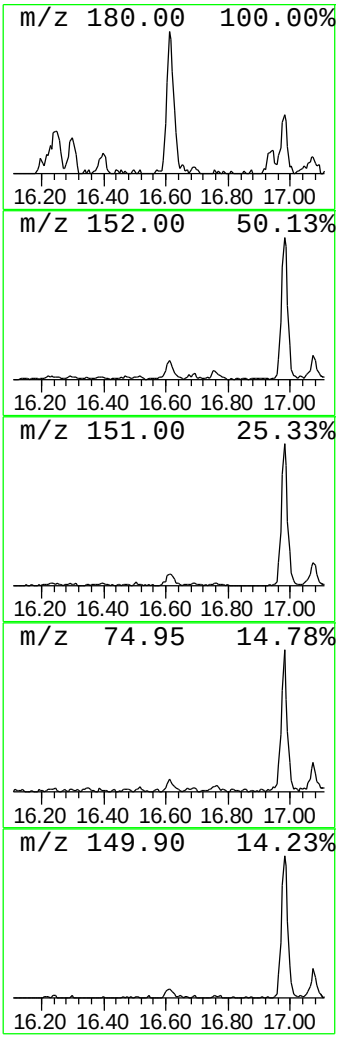
****

Peak Number 1 9H-Fluoren-9-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.61	2.53 ng/ul	142465	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	52
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	52
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	43





Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014481.D
Acq On : 05 Mar 2018 20:11
Operator : SJ/JU
Sample : J1678-10DL 20X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

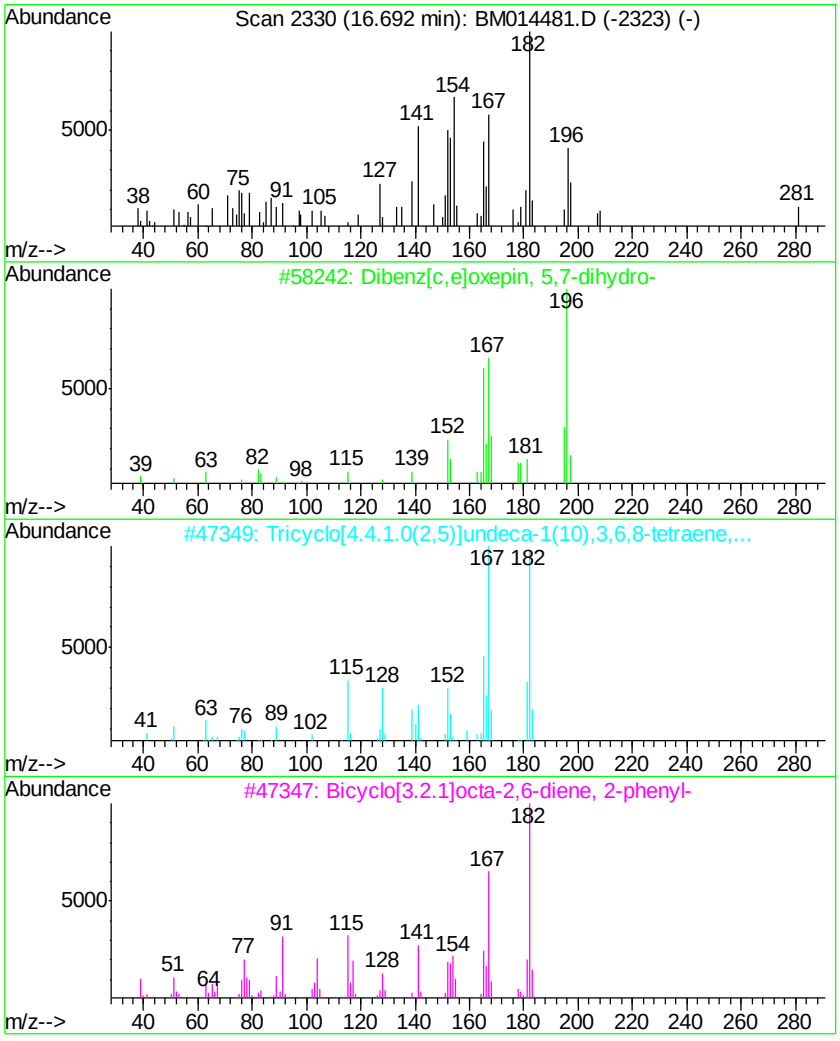
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

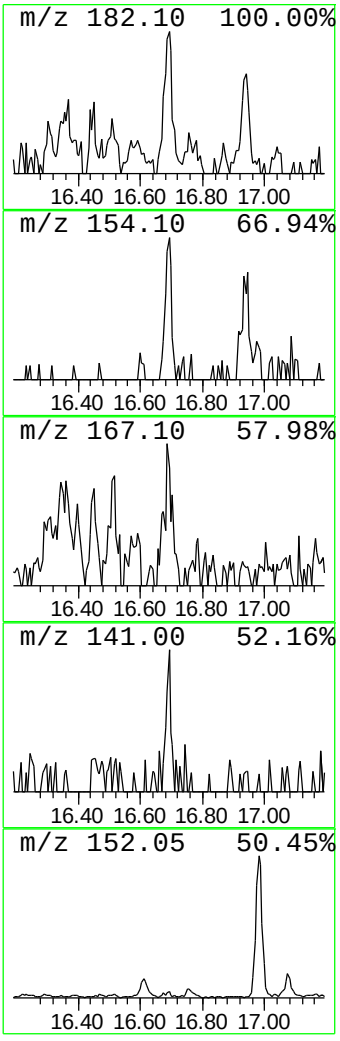
****

Peak Number 2 Dibenz[c,e]oxepin, 5,7-dihy... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	2.06 ng/ul	115718	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	66
2	Tricyclo[4.4.1.0(2,5)]undeca-1(1...	182	C14H14	055836-29-8	53
3	Bicyclo[3.2.1]octa-2,6-diene, 2-...	182	C14H14	101166-08-9	52
4	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	46
5	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	46





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Misc :
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Instrument : BNA_M
ClientSampleId : BE5W0DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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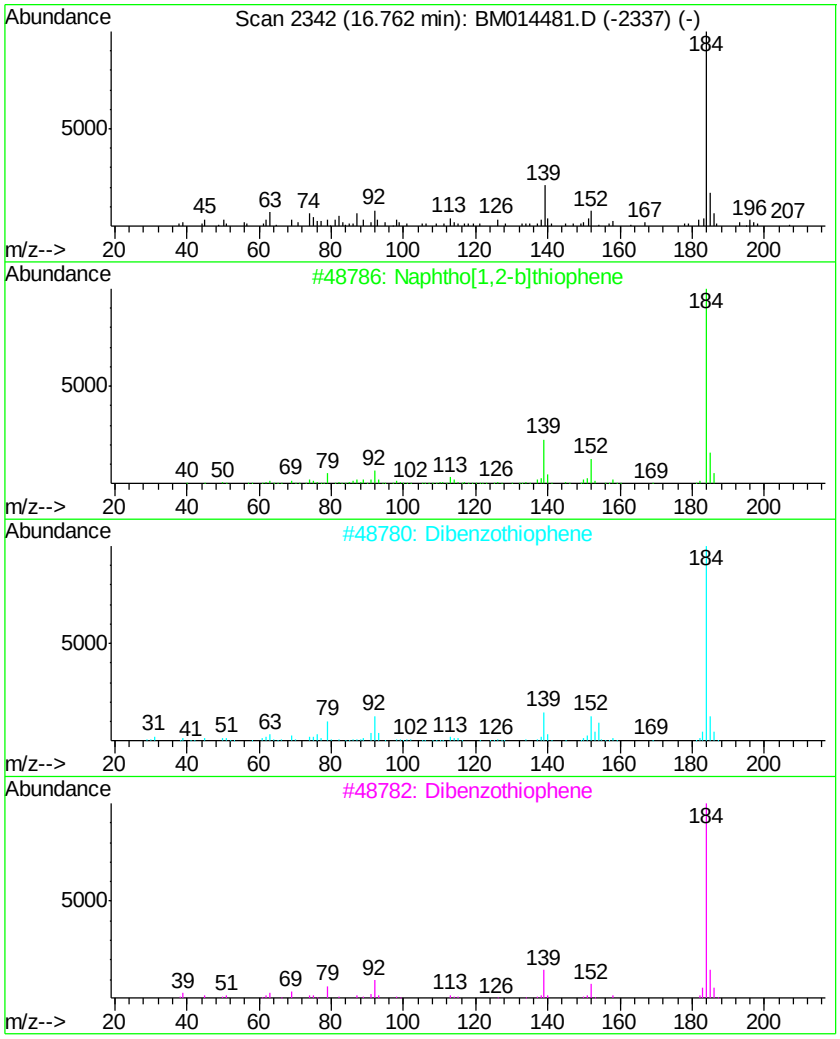
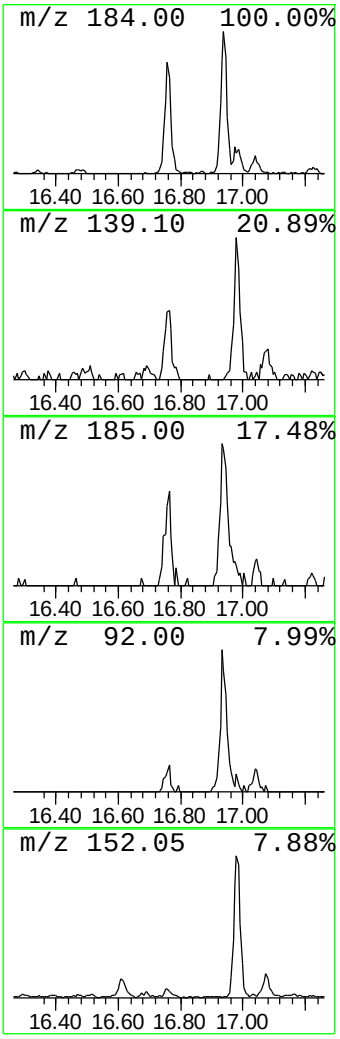
****

Peak Number 3 Naphtho[1,2-b]thiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	2.83 ng/ul	159325	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
2	Dibenzothiophene	184	C12H8S	000132-65-0	91
3	Dibenzothiophene	184	C12H8S	000132-65-0	91
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	90





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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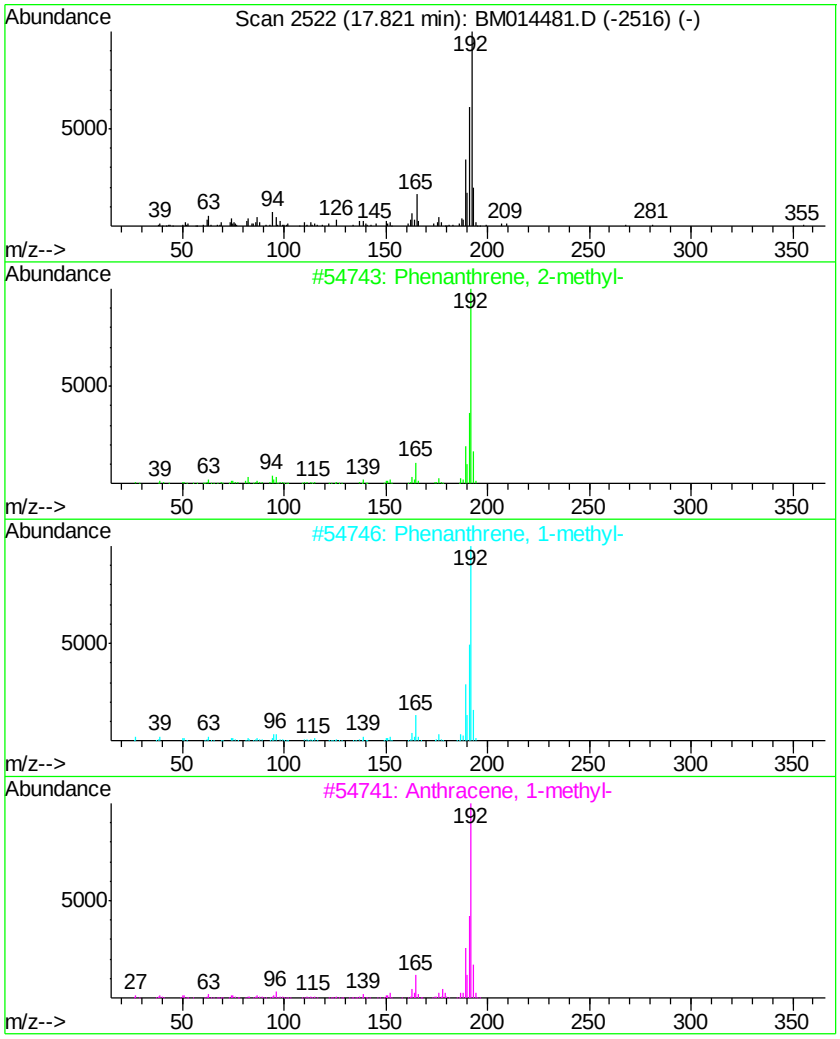
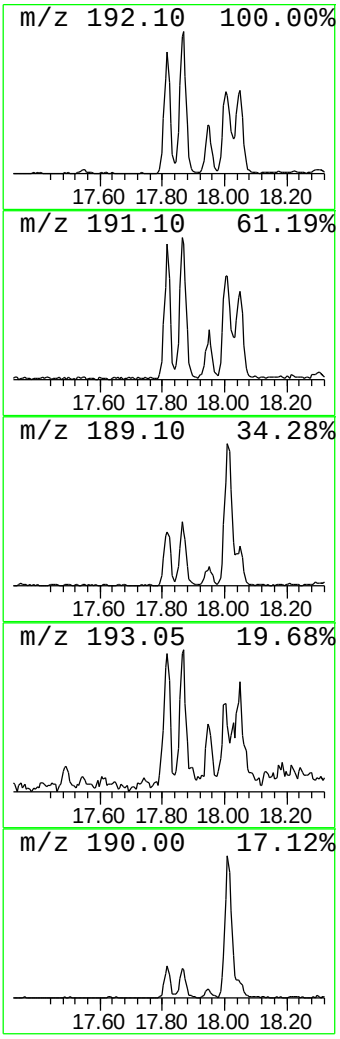
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	6.97 ng/ul	392146	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

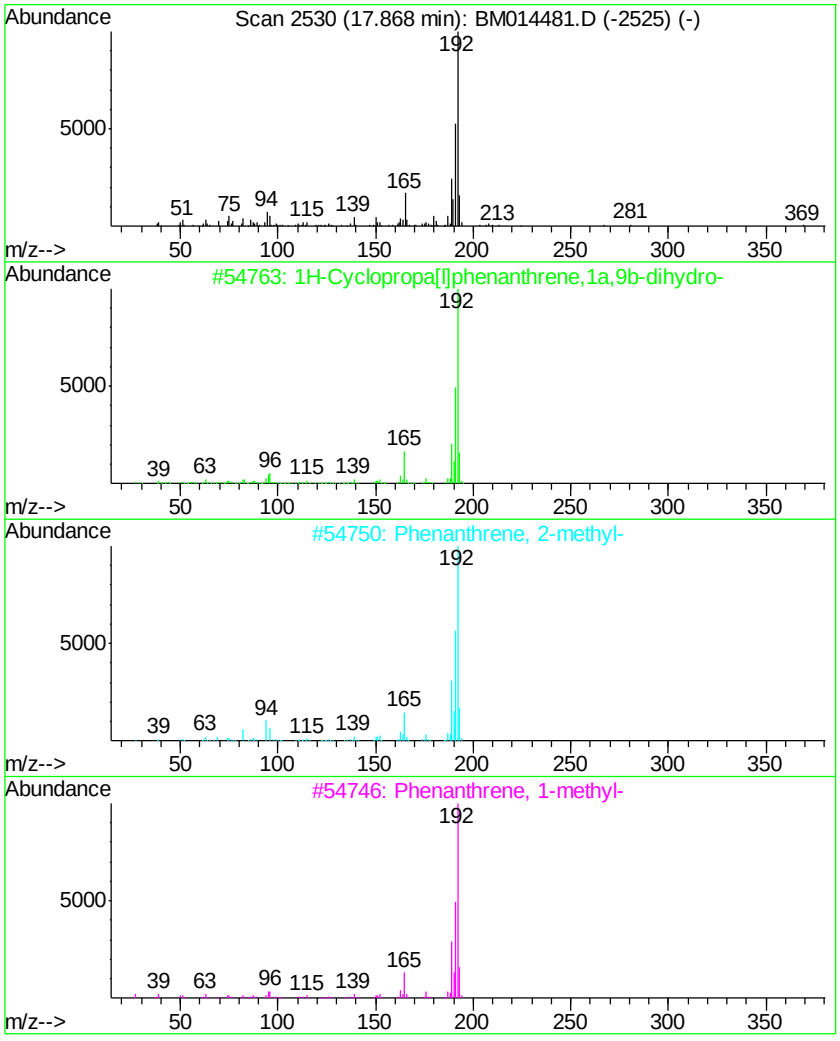
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

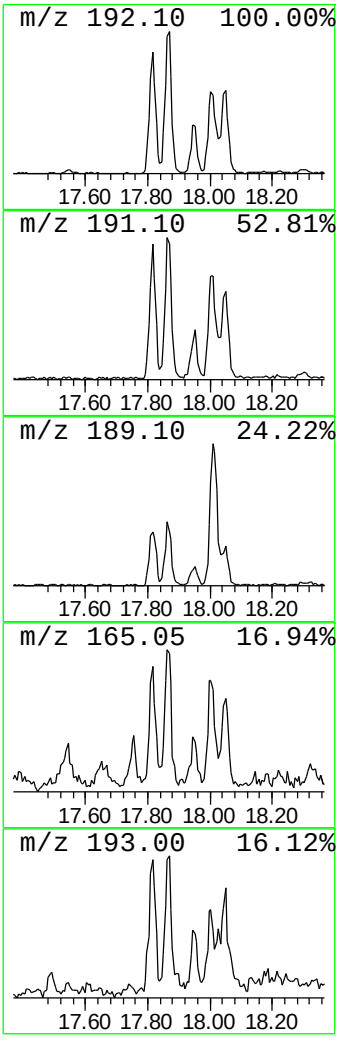
****

Peak Number 5 1H-Cyclopropa[l]phenanthren... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	8.89 ng/ul	500605	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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Instrument : BNA_M
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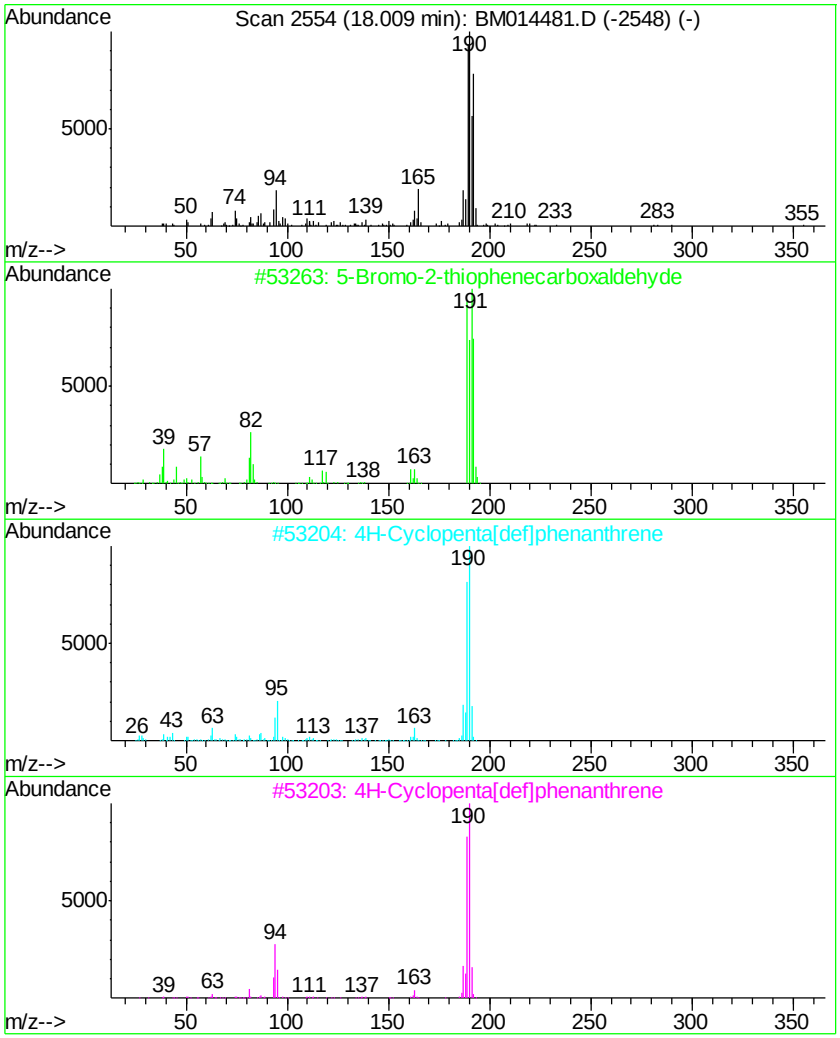
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

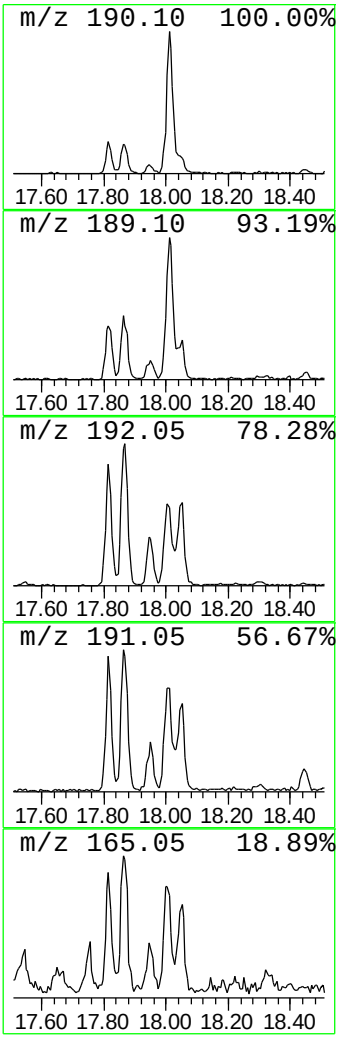
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 5-Bromo-2-thiophenecarboxal... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	10.34 ng/ul	581886	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	41





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Acq On : 05 Mar 2018 20:11
Operator : SJ/JU
Sample : J1678-10DL 20X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

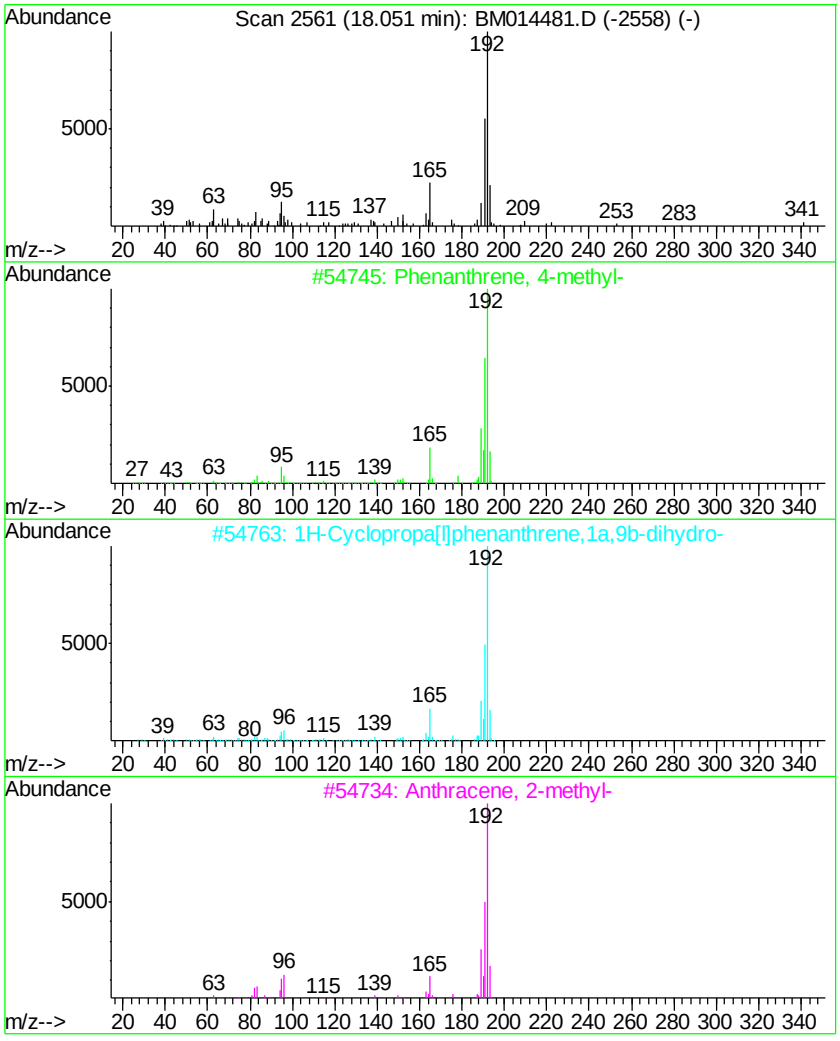
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

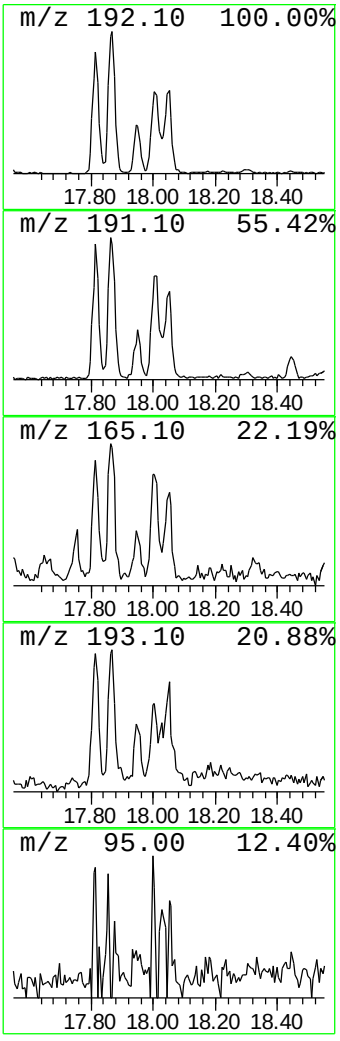
****

Peak Number 8 Phenanthrene, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	4.72 ng/ul	265746	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	83
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83





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Acq On : 05 Mar 2018 20:11
Operator : SJ/JU
Sample : J1678-10DL 20X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

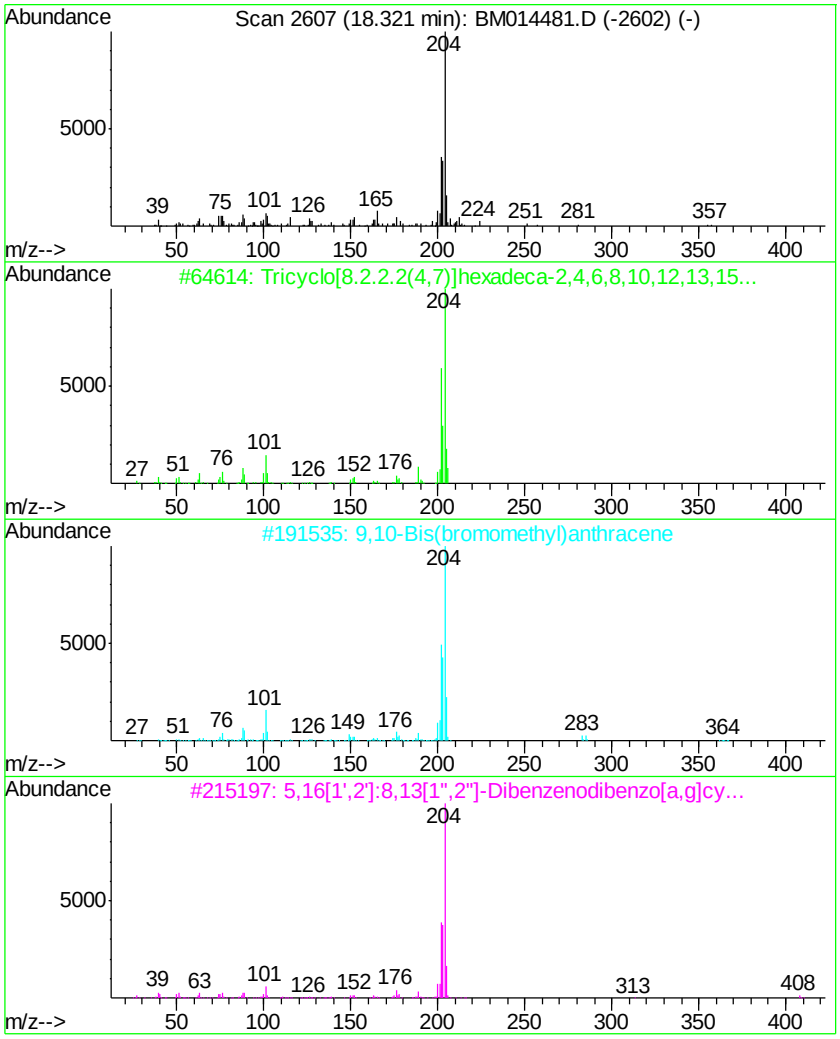
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

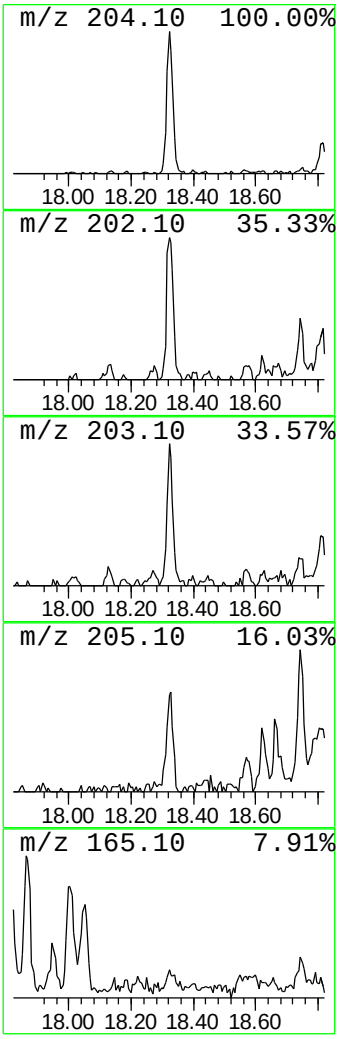
****

Peak Number 9 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	4.35 ng/ul	244652	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	80
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
4	6-Phenylbenzocycloheptен-7-one	232	C17H12O	093327-56-1	72
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





Library Search Compound Report

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Operator : SJ/JU
Sample : J1678-10DL 20X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

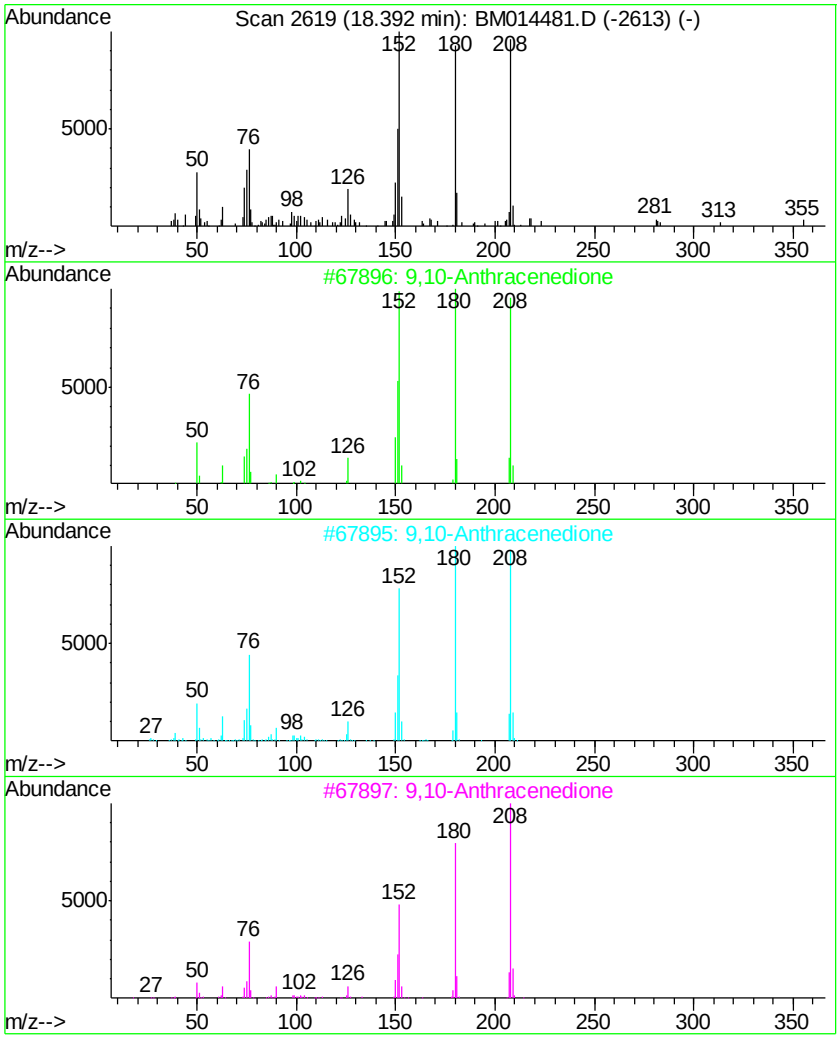
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

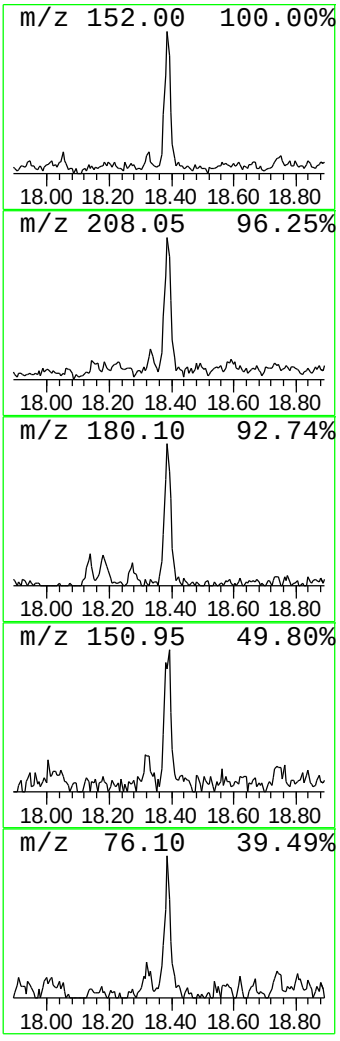
****

Peak Number 10 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	4.21 ng/ul	236834	Phenanthrene-d10	16.94

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	90
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	86
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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Acq On : 05 Mar 2018 20:11
Operator : SJ/JU
Sample : J1678-10DL 20X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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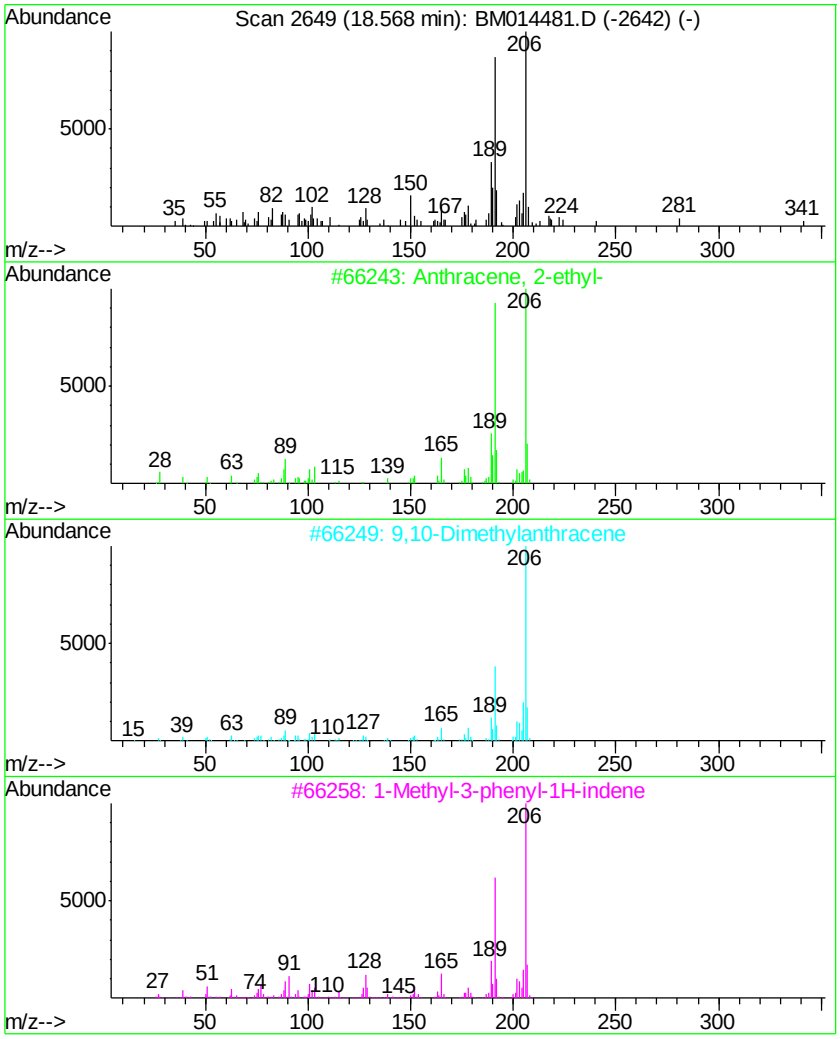
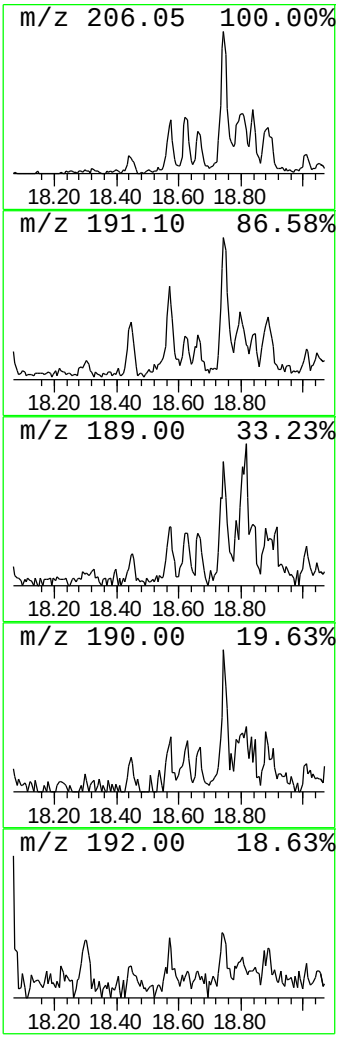
Peak Number 11 Anthracene, 2-ethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	2.50 ng/ul	140718	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
3	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	87
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	86
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	86





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Acq On : 05 Mar 2018 20:11
Operator : SJ/JU
Sample : J1678-10DL 20X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

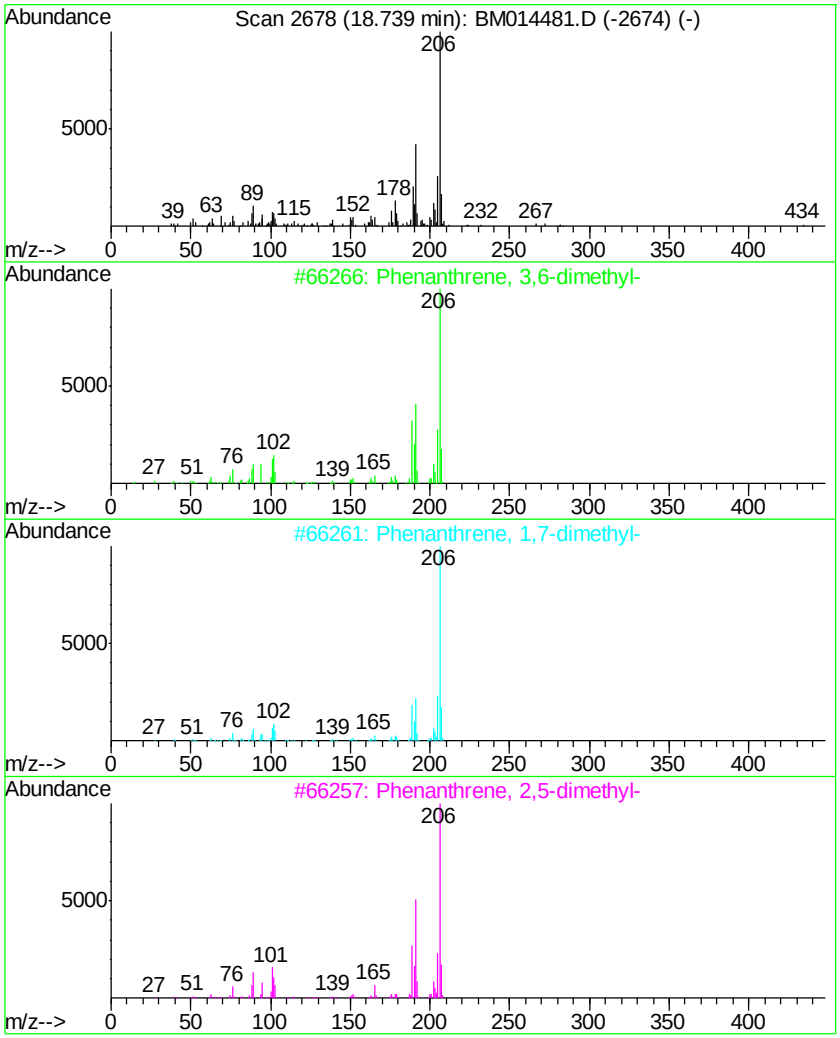
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

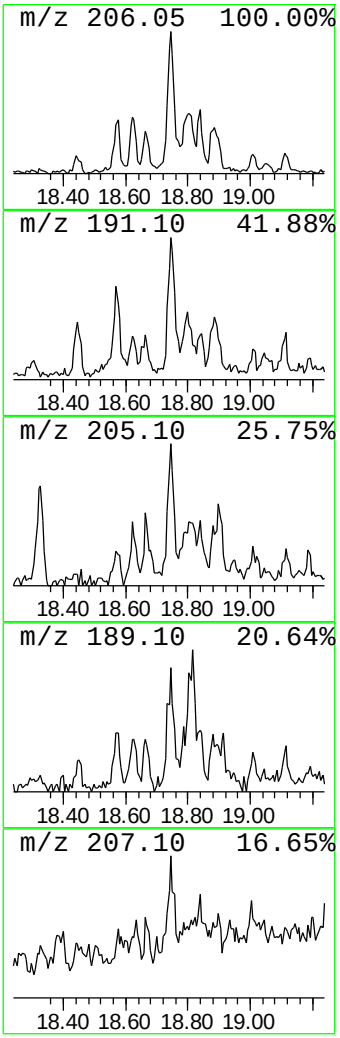
****

Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	4.49 ng/ul	252937	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	81
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81





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Sample : J1678-10DL 20X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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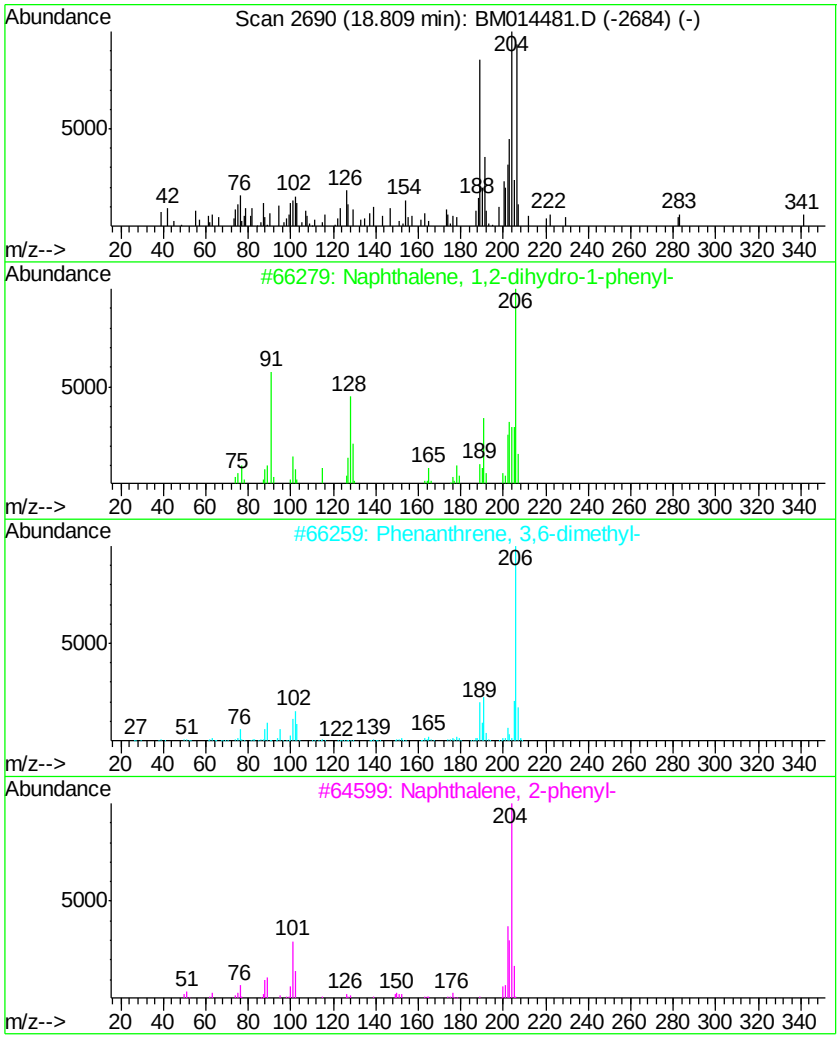
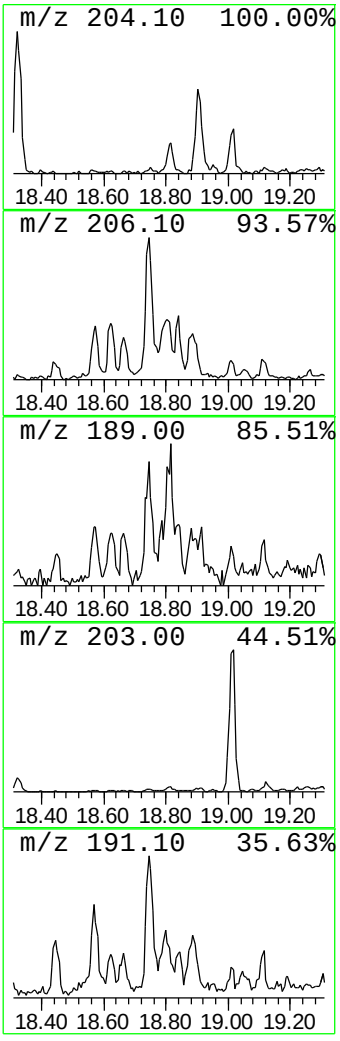
Peak Number 13 unknown-01 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	2.85 ng/ul	160364	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	35
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	30
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	25
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	22
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	18





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Operator : SJ/JU
Sample : J1678-10DL 20X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0DL

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Quant Title : SVOA CALIBRATION

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

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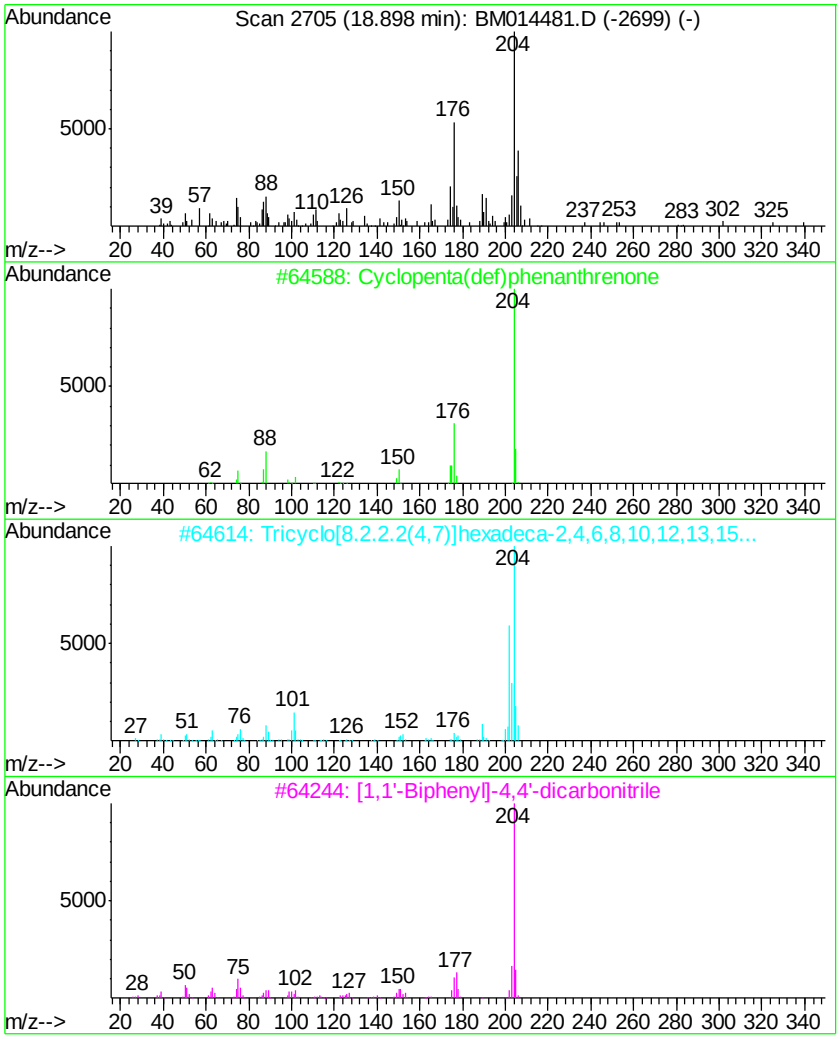
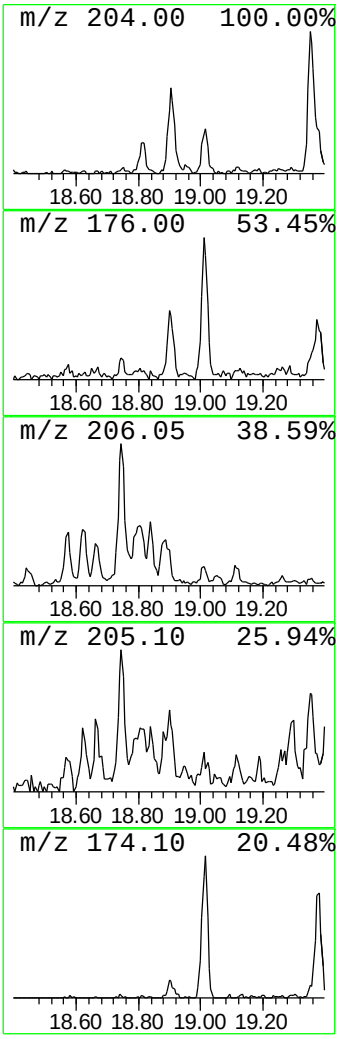
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	3.84 ng/ul	216347	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	64
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	64
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	62
5	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	59





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Operator : SJ/JU
Sample : J1678-10DL 20X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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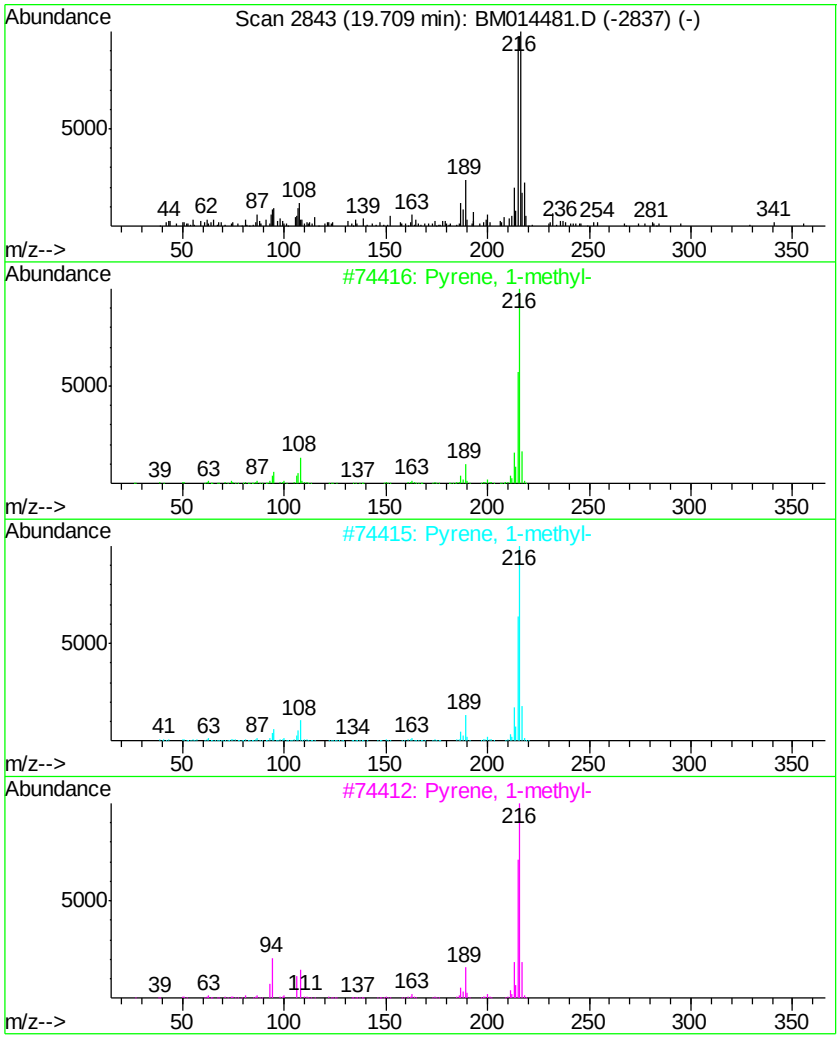
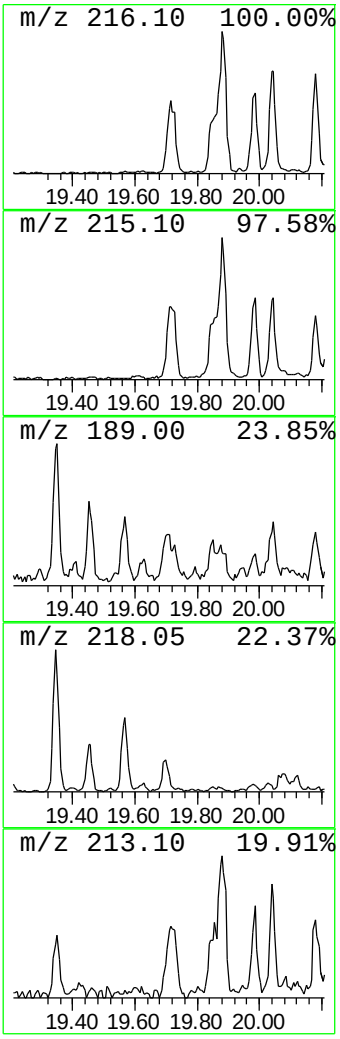
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.71	3.15 ng/ul	360454	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86





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Acq On : 05 Mar 2018 20:11
Operator : SJ/JU
Sample : J1678-10DL 20X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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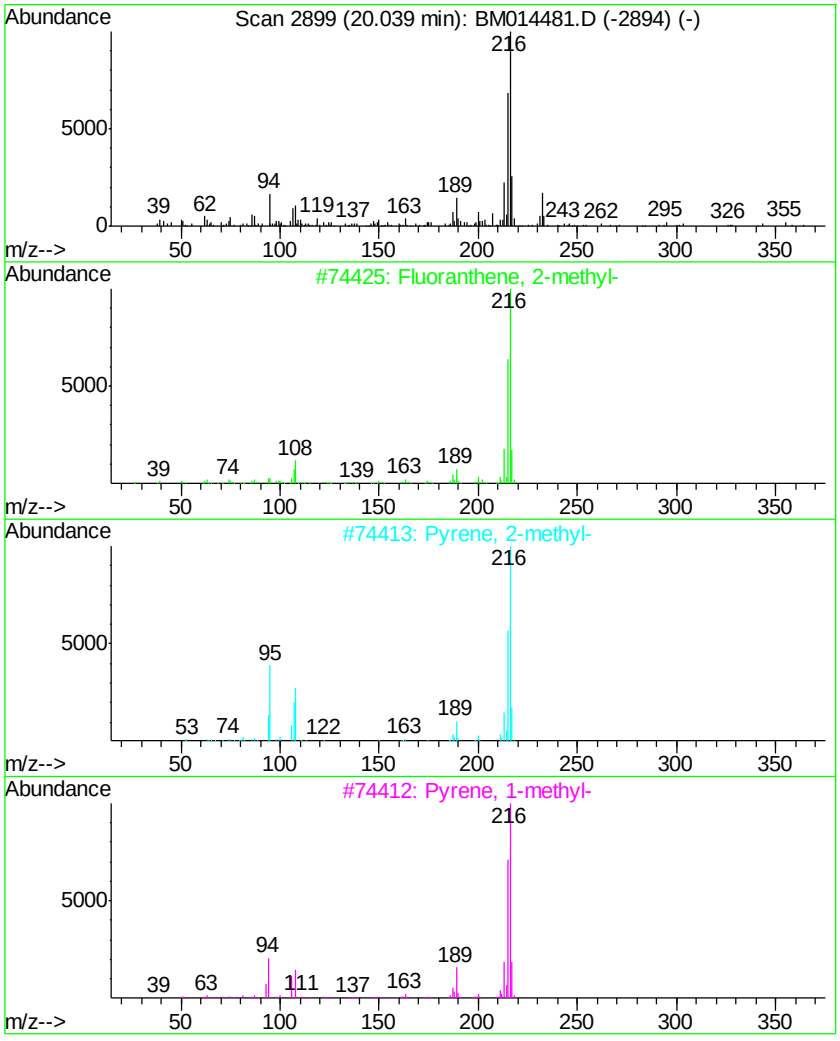
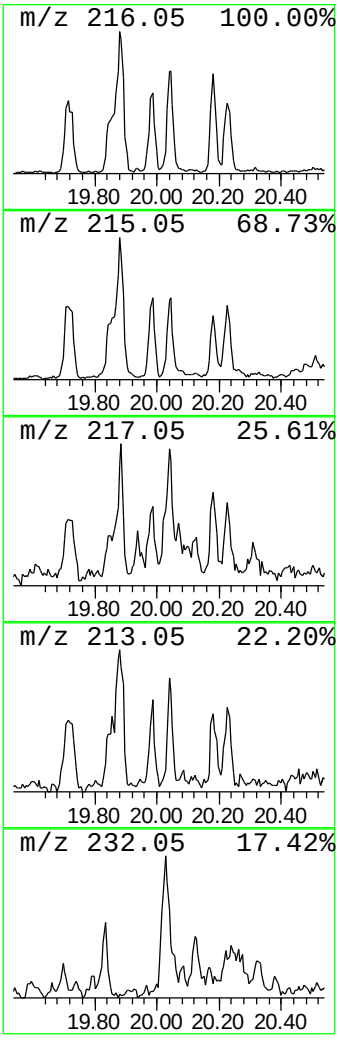
Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.04	2.76 ng/ul	315191	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





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Operator : SJ/JU
Sample : J1678-10DL 20X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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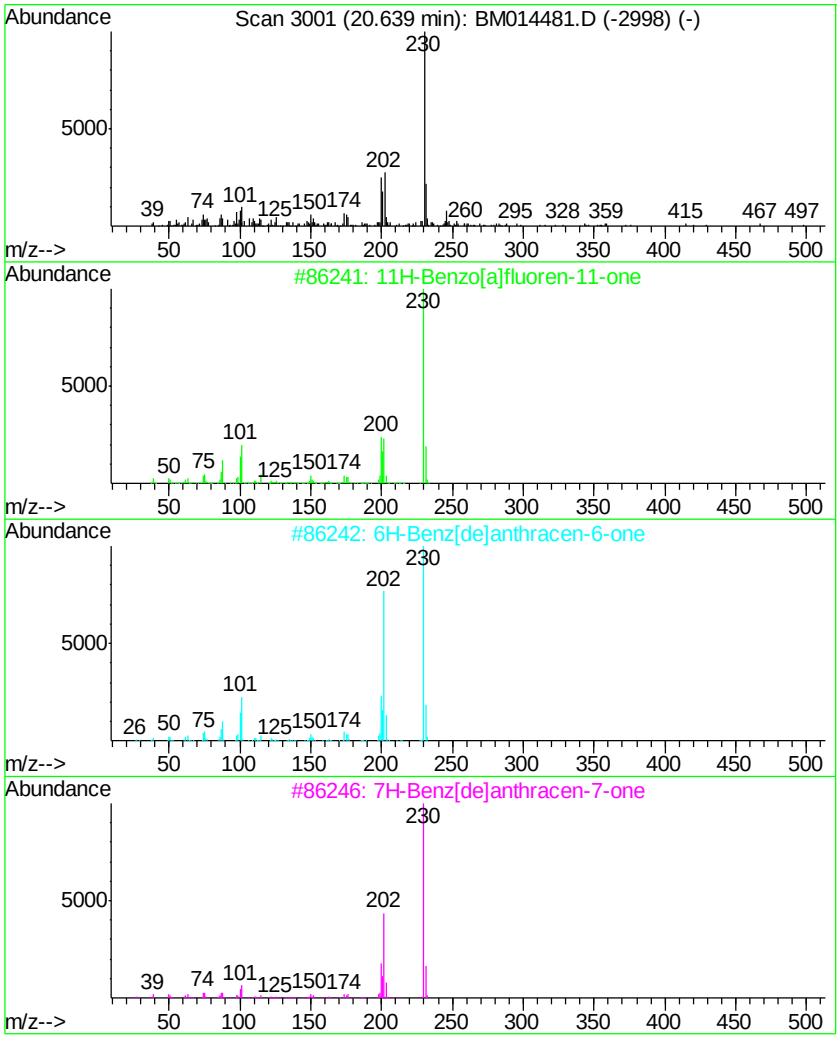
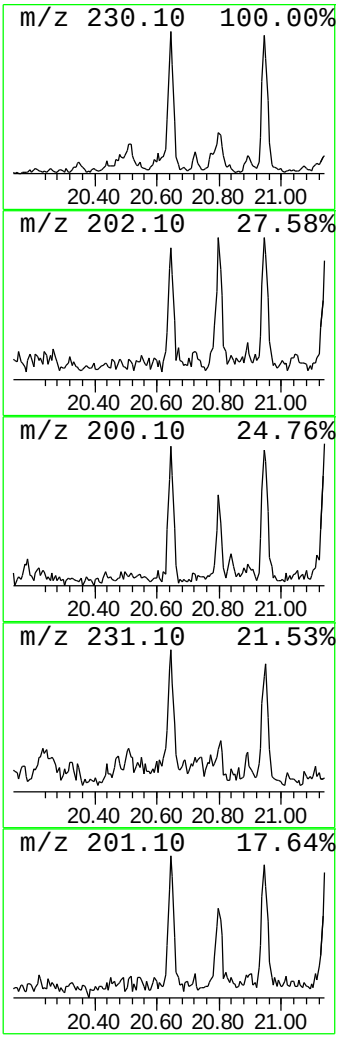
Peak Number 18 11H-Benzo[a]fluoren-11-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.64	2.46 ng/ul	280887	Chrysene-d12	21.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	81
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72
4	p-Terphenyl	230	C18H14	000092-94-4	50
5	1-Allyl-5-bromo-6-hydroxypyridaz...	230	C7H7BrN2O2	1000313-99-5	50





Tentatively Identified Compound (LSC) summary

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Operator : SJ/JU
Sample : J1678-10DL 20X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5W0DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.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
9H-Fluoren-9-one	16.61	2.5	ng/ul	142465	4	16.94	1125680	20.0
Dibenz[c,e]oxepin...	16.69	2.1	ng/ul	115718	4	16.94	1125680	20.0
Naphtho[1,2-b]thi...	16.76	2.8	ng/ul	159325	4	16.94	1125680	20.0
Phenanthrene, 2-m...	17.82	7.0	ng/ul	392146	4	16.94	1125680	20.0
1H-Cyclopropa[l]p...	17.87	8.9	ng/ul	500605	4	16.94	1125680	20.0
5-Bromo-2-thiophe...	18.01	10.3	ng/ul	581886	4	16.94	1125680	20.0
Phenanthrene, 4-m...	18.05	4.7	ng/ul	265746	4	16.94	1125680	20.0
Tricyclo[8.2.2.2(...	18.32	4.3	ng/ul	244652	4	16.94	1125680	20.0
9,10-Anthracenedione	18.39	4.2	ng/ul	236834	4	16.94	1125680	20.0
Anthracene, 2-ethyl-	18.57	2.5	ng/ul	140718	4	16.94	1125680	20.0
Phenanthrene, 3,6...	18.74	4.5	ng/ul	252937	4	16.94	1125680	20.0
unknown-01	18.81	2.9	ng/ul	160364	4	16.94	1125680	20.0
Cyclopenta(def)ph...	18.90	3.8	ng/ul	216347	4	16.94	1125680	20.0
Pyrene, 1-methyl-	19.71	3.1	ng/ul	360454	5	21.16	2287270	20.0
Fluoranthene, 2-m...	20.04	2.8	ng/ul	315191	5	21.16	2287270	20.0
11H-Benzo[a]fluor...	20.64	2.5	ng/ul	280887	5	21.16	2287270	20.0