LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\
Data File : BM003986.D
Acq On : 13 Jan 2016 11:25
Operator : SJ/UM
Sample : H1095-20
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9A8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.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	6.846	633	639	650	rBB	127608	207311	7.84%	0.501%
2	6.999	660	665	674	rBV	101774	157160	5.94%	0.380%
3	7.199	693	699	708	rVB	137476	209949	7.94%	0.508%
4	7.663	773	778	785	rBB	129760	197053	7.45%	0.476%
5	8.375	893	899	913	rBB	157985	248640	9.40%	0.601%
6	8.822	969	975	983	rBV	134090	210057	7.94%	0.508%
7	9.540	1092	1097	1104	rBB	110726	177678	6.72%	0.430%
8	10.081	1183	1189	1201	rBV	184951	297454	11.25%	0.719%
9	10.451	1245	1252	1257	rBV	217420	343691	13.00%	0.831%
10	10.598	1271	1277	1297	rBV	60484	113761	4.30%	0.275%
11	13.733	1805	1810	1814	rVV	349062	497510	18.82%	1.203%
12	13.775	1814	1817	1824	rVB	164132	226938	8.58%	0.549%
13	14.010	1851	1857	1876	rBV	405730	688706	26.05%	1.665%
14	14.322	1901	1910	1916	rBV2	326512	495547	18.74%	1.198%
15	14.386	1916	1921	1928	rVB	65362	94324	3.57%	0.228%
16	14.539	1941	1947	1956	rBV	125492	200674	7.59%	0.485%
17	15.316	2069	2079	2084	rVV	540965	791656	29.94%	1.914%
18	15.369	2084	2088	2097	rVB	82718	129795	4.91%	0.314%
19	15.451	2097	2102	2107	rBV	135071	187414	7.09%	0.453%
20	16.045	2198	2203	2210	rVV4	74505	156248	5.91%	0.378%
21	16.727	2315	2319	2325	rVB2	63915	94417	3.57%	0.228%
22	16.886	2342	2346	2356	rVB	79807	135890	5.14%	0.328%
23	17.074	2372	2378	2381	rBV	391517	593439	22.44%	1.435%
24	17.116	2381	2385	2390	rVV	1078084	1503693	56.87%	3.635%
25	17.168	2390	2394	2398	rVV2	586493	859860	32.52%	2.079%
26	17.204	2398	2400	2405	rVB	275113	314262	11.89%	0.760%
27	17.263	2405	2410	2415	rBV2	52350	100872	3.82%	0.244%
28	17.480	2443	2447	2452	rBV	114740	156328	5.91%	0.378%
29	17.651	2472	2476	2484	rVB	91861	143002	5.41%	0.346%
30	17.945	2517	2526	2531	rBV	320247	526112	19.90%	1.272%
31	17.998	2531	2535	2541	rVB	405196	585420	22.14%	1.415%
32	18.074	2543	2548	2553	rBV	100695	158576	6.00%	0.383%
33	18.139	2553	2559	2563	rBV2	421443	761683	28.81%	1.841%
34	18.180	2563	2566	2574	rVB	262048	350053	13.24%	0.846%

LSC Area Percent Report

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Acq On : 13 Jan 2016 11:25
Operator : SJ/UM
Sample : H1095-20
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9A8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Title : SVOA CALIBRATION

35	18.262	2575	2580	2583	rBV4	64731	89141	3.37%	0.215%
36	18.451	2607	2612	2616	rBV2	193530	271815	10.28%	0.657%
37	18.498	2616	2620	2630	rVB2	308752	458069	17.32%	1.107%
38	18.698	2651	2654	2658	rVV	115775	164120	6.21%	0.397%
39	18.751	2659	2663	2666	rVV	146719	189353	7.16%	0.458%
40	18.792	2666	2670	2674	rVB2	119424	162092	6.13%	0.392%
41	18.874	2678	2684	2689	rBV	335238	596916	22.58%	1.443%
42	18.933	2689	2694	2698	rVV2	143239	309230	11.70%	0.748%
43	18.968	2698	2700	2704	rVB	112207	114696	4.34%	0.277%
44	19.015	2704	2708	2715	rBV3	175161	363964	13.77%	0.880%
45	19.145	2722	2730	2736	rVB	1891800	2644003	100.00%	6.391%
46	19.204	2736	2740	2743	rBV	95968	133428	5.05%	0.323%
47	19.239	2743	2746	2751	rVV2	96134	132766	5.02%	0.321%
48	19.345	2758	2764	2767	rBV3	90879	143110	5.41%	0.346%
49	19.386	2767	2771	2774	rVV2	111673	152632	5.77%	0.369%
50	19.480	2781	2787	2789	rBV2	881364	1413024	53.44%	3.416%
51	19.509	2789	2792	2800	rVB	1844459	2588004	97.88%	6.256%
52	19.580	2800	2804	2809	rBV2	185434	288482	10.91%	0.697%
53	19.686	2818	2822	2828	rVB2	73211	132669	5.02%	0.321%
54	19.745	2828	2832	2838	rVB3	128366	204300	7.73%	0.494%
55	19.833	2841	2847	2854	rBV4	224360	595013	22.50%	1.438%
56	19.968	2865	2870	2872	rVV4	175191	275461	10.42%	0.666%
57	20.004	2872	2876	2882	rVB	421422	636894	24.09%	1.540%
58	20.104	2889	2893	2897	rBV	253856	336353	12.72%	0.813%
59	20.162	2898	2903	2908	rVV2	316351	546826	20.68%	1.322%
60	20.204	2908	2910	2914	rVB3	84080	102372	3.87%	0.247%
61	20.304	2923	2927	2931	rVV	246181	344253	13.02%	0.832%
62	20.351	2931	2935	2939	rVV	240717	333379	12.61%	0.806%
63	20.568	2968	2972	2975	rBV3	124036	189276	7.16%	0.458%
64	20.715	2992	2997	3000	rBV5	83099	150227	5.68%	0.363%
65	20.756	3000	3004	3010	rVB	214929	350038	13.24%	0.846%
66	20.921	3025	3032	3036	rBV3	228989	454496	17.19%	1.099%
67	20.962	3036	3039	3042	rVV	216647	269142	10.18%	0.651%
68	21.003	3042	3046	3050	rVV2	159919	307809	11.64%	0.744%
69	21.056	3051	3055	3061	rVB2	171707	288477	10.91%	0.697%
70	21.162	3067	3073	3081	rBV3	70534	175563	6.64%	0.424%
71	21.268	3082	3091	3096	rBV3	1113349	2157411	81.60%	5.215%

LSC Area Percent Report

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Acq On : 13 Jan 2016 11:25
Operator : SJ/UM
Sample : H1095-20
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9A8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Title : SVOA CALIBRATION

72	21.315	3096	3099	3109	rVB	973569	1381683	52.26%	3.340%
73	21.398	3109	3113	3116	rBV2	83441	105842	4.00%	0.256%
74	21.433	3116	3119	3125	rBV	165467	260028	9.83%	0.629%
75	21.492	3126	3129	3136	rVB6	52773	115748	4.38%	0.280%
76	21.598	3142	3147	3151	rBV3	114328	197993	7.49%	0.479%
77	21.639	3151	3154	3158	rVB2	68632	86299	3.26%	0.209%
78	21.833	3180	3187	3190	rVV	284830	490974	18.57%	1.187%
79	21.880	3192	3195	3201	rVB	158980	242058	9.15%	0.585%
80	22.027	3216	3220	3223	rBV	165898	236171	8.93%	0.571%
81	22.121	3232	3236	3242	rVB2	107118	180987	6.85%	0.438%
82	22.315	3265	3269	3272	rBV3	68224	132690	5.02%	0.321%
83	22.598	3313	3317	3323	rVB5	64876	114612	4.33%	0.277%
84	22.850	3354	3360	3365	rBV	569150	1338610	50.63%	3.236%
85	23.015	3384	3388	3394	rVB	120358	189282	7.16%	0.458%
86	23.150	3407	3411	3419	rBV4	49310	121774	4.61%	0.294%
87	23.327	3435	3441	3445	rBV	404089	734165	27.77%	1.775%
88	23.380	3445	3450	3453	rVV	357653	658088	24.89%	1.591%
89	23.427	3453	3458	3464	rVB	618185	1107093	41.87%	2.676%
90	23.515	3468	3473	3478	rVV	232209	454923	17.21%	1.100%
91	23.568	3478	3482	3490	rVB2	174415	363206	13.74%	0.878%
92	24.250	3593	3598	3603	rBV	41352	88560	3.35%	0.214%
93	24.386	3616	3621	3634	rVB3	84501	257756	9.75%	0.623%
94	25.527	3812	3815	3822	rVB2	45922	95141	3.60%	0.230%
95	25.774	3847	3857	3868	rVB	303048	906782	34.30%	2.192%
96	26.027	3894	3900	3907	rVB	53493	127495	4.82%	0.308%
97	26.115	3909	3915	3922	rBV2	49826	136302	5.16%	0.329%
98	26.462	3965	3974	3993	rVB	221870	734919	27.80%	1.777%
99	26.821	4028	4035	4047	rVB3	56527	201633	7.63%	0.487%
100	27.362	4119	4127	4141	rVB3	97338	327662	12.39%	0.792%

Sum of corrected areas: 41368453

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\
Data File : BM003986.D
Acq On : 13 Jan 2016 11:25
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Sample : H1095-20
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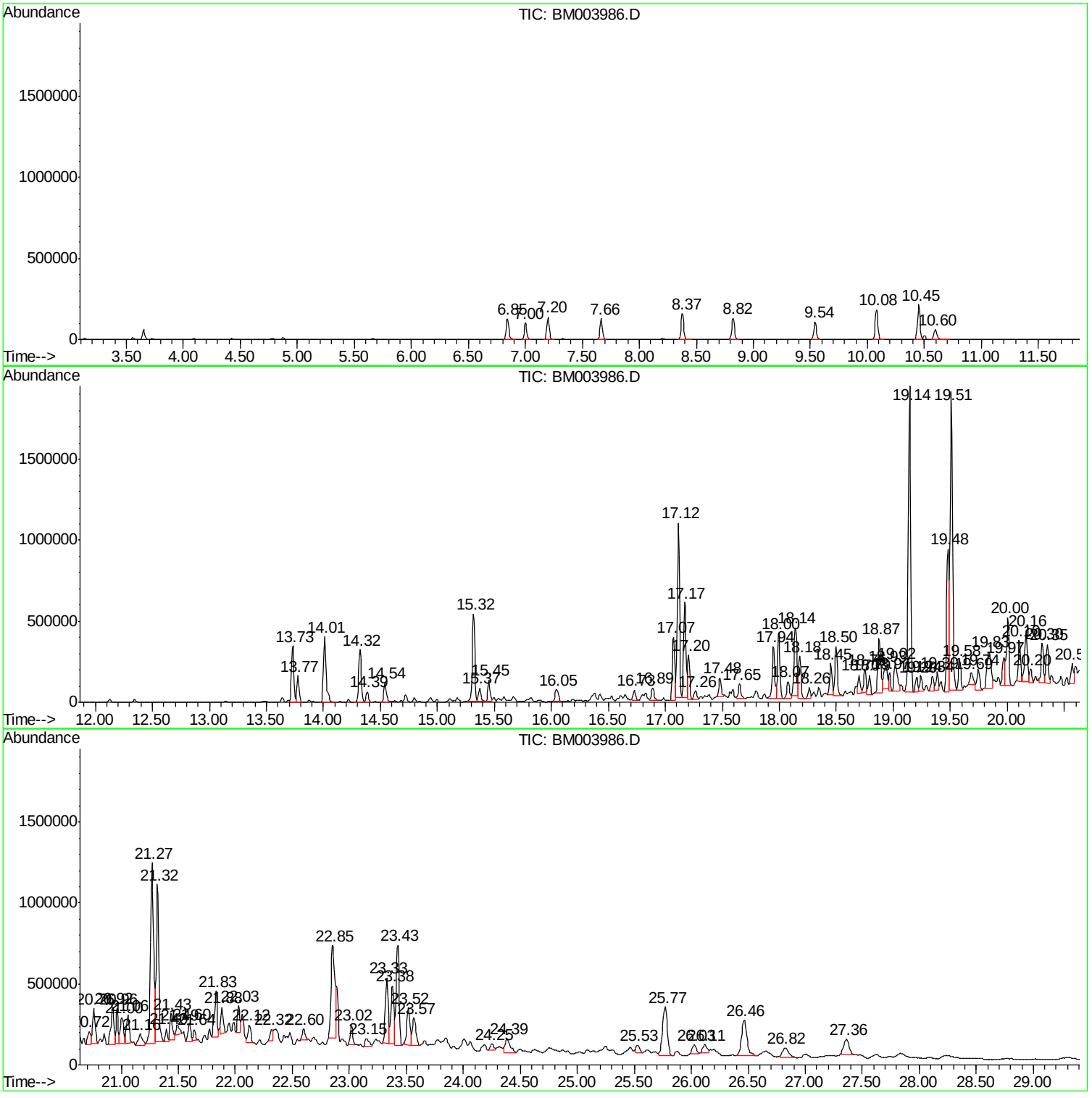
Instrument : BNA_M
ClientSampleId : BC9A8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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



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Quant Title : SVOA CALIBRATION

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

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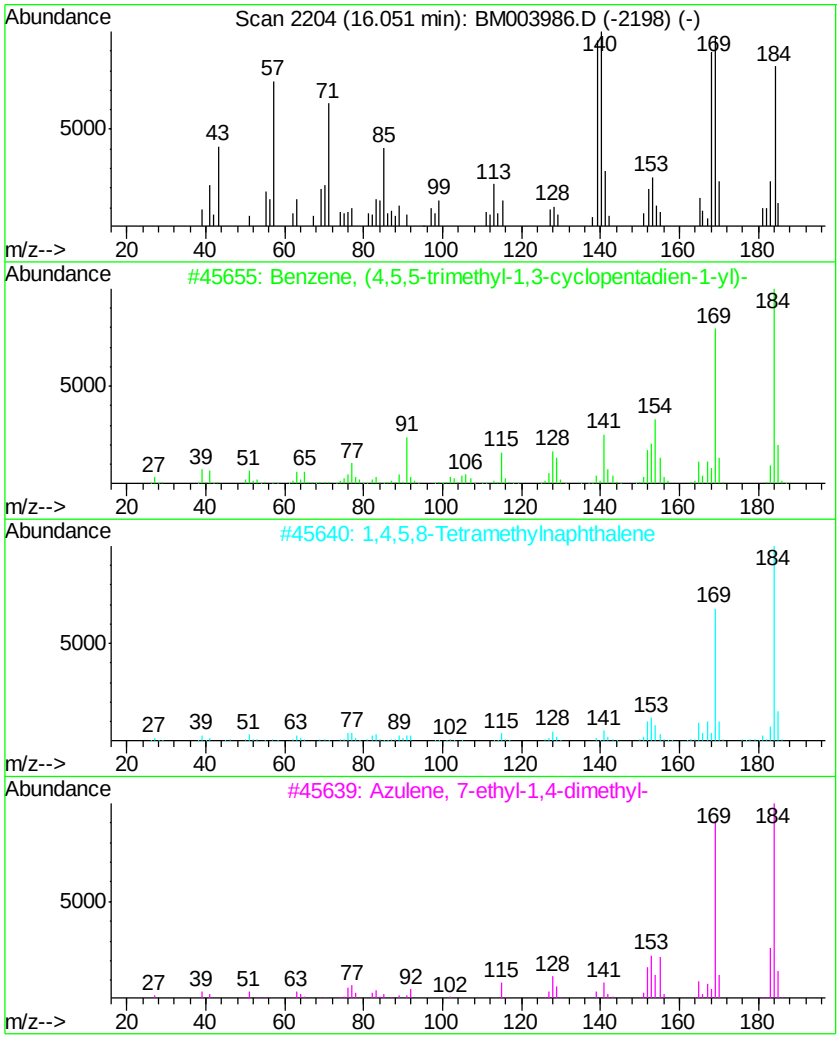
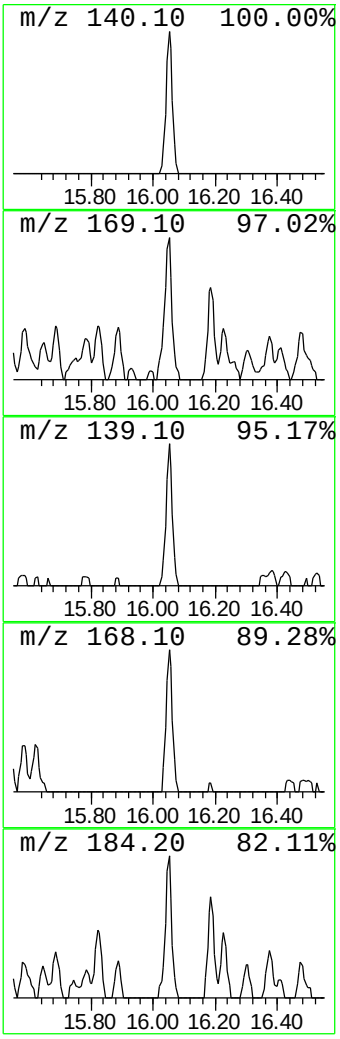
Peak Number 1 unknown-01 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	5.27 ng/ul	156248	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (4,5,5-trimethyl-1,3-cv...	184	C14H16	033930-85-7	38
2	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	38
3	Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	38
4	2,4,6(1H,3H,5H)-Pyrimidinetrione...	184	C8H12N2O3	007391-61-9	38
5	Tridecane	184	C13H28	000629-50-5	30





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\
Data File : BM003986.D
Acq On : 13 Jan 2016 11:25
Operator : SJ/UM
Sample : H1095-20
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9A8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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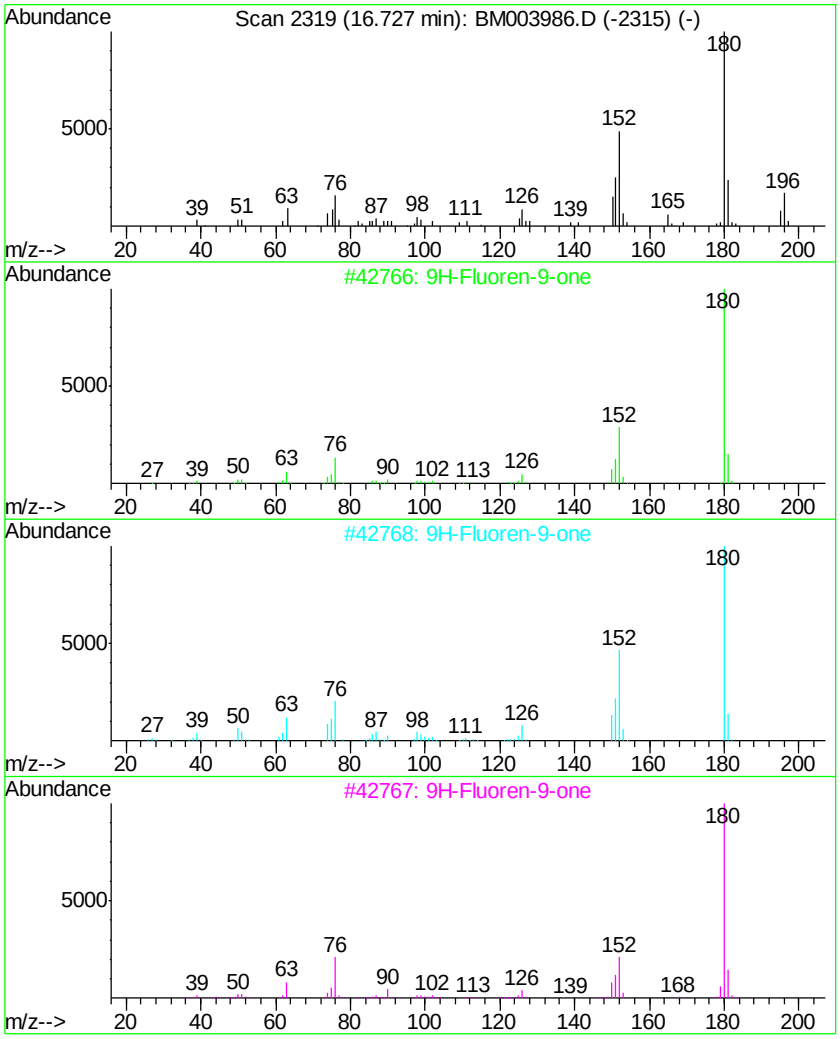
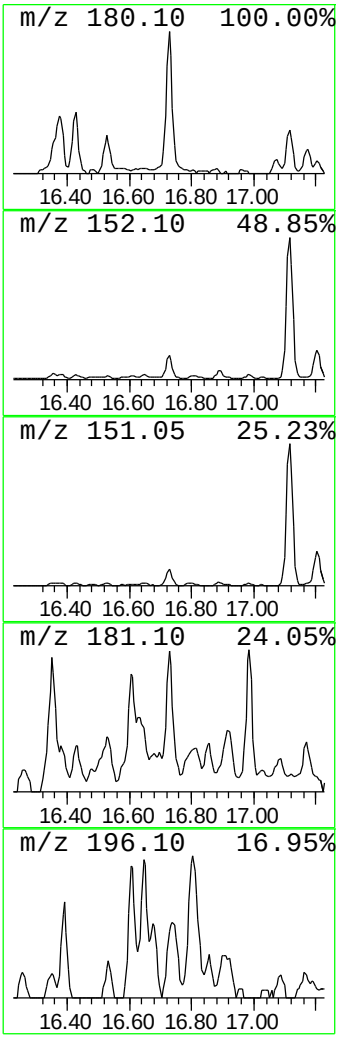
Peak Number 2 9H-Fluoren-9-one Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.73	3.18 ng/ul	94417	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	83
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	76





Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\
Data File : BM003986.D
Acq On : 13 Jan 2016 11:25
Operator : SJ/UM
Sample : H1095-20
Misc :
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Instrument : BNA_M
ClientSampleId : BC9A8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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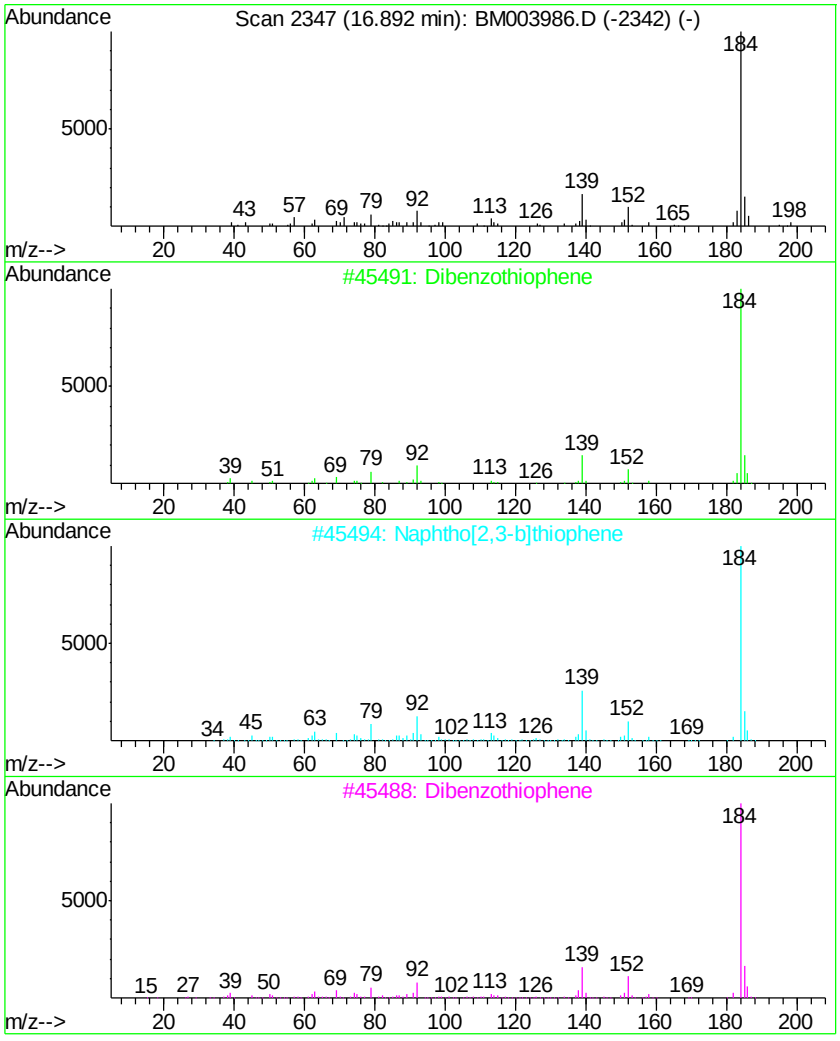
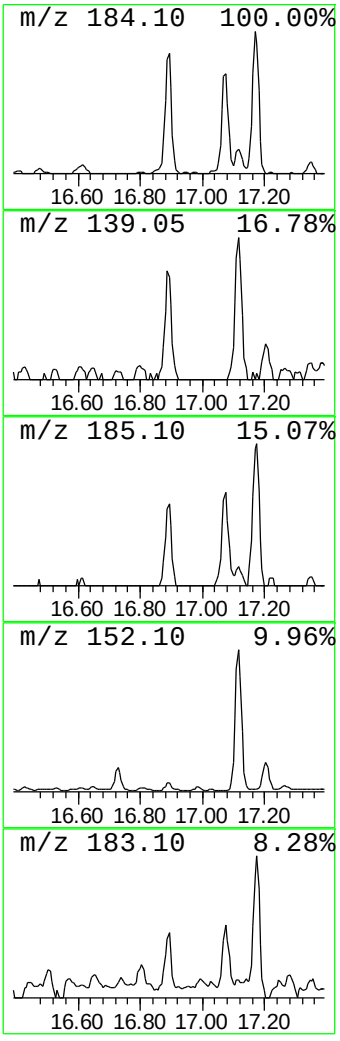
Peak Number 3 Dibenzothiophene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	4.58 ng/ul	135890	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	93
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\
Data File : BM003986.D
Acq On : 13 Jan 2016 11:25
Operator : SJ/UM
Sample : H1095-20
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9A8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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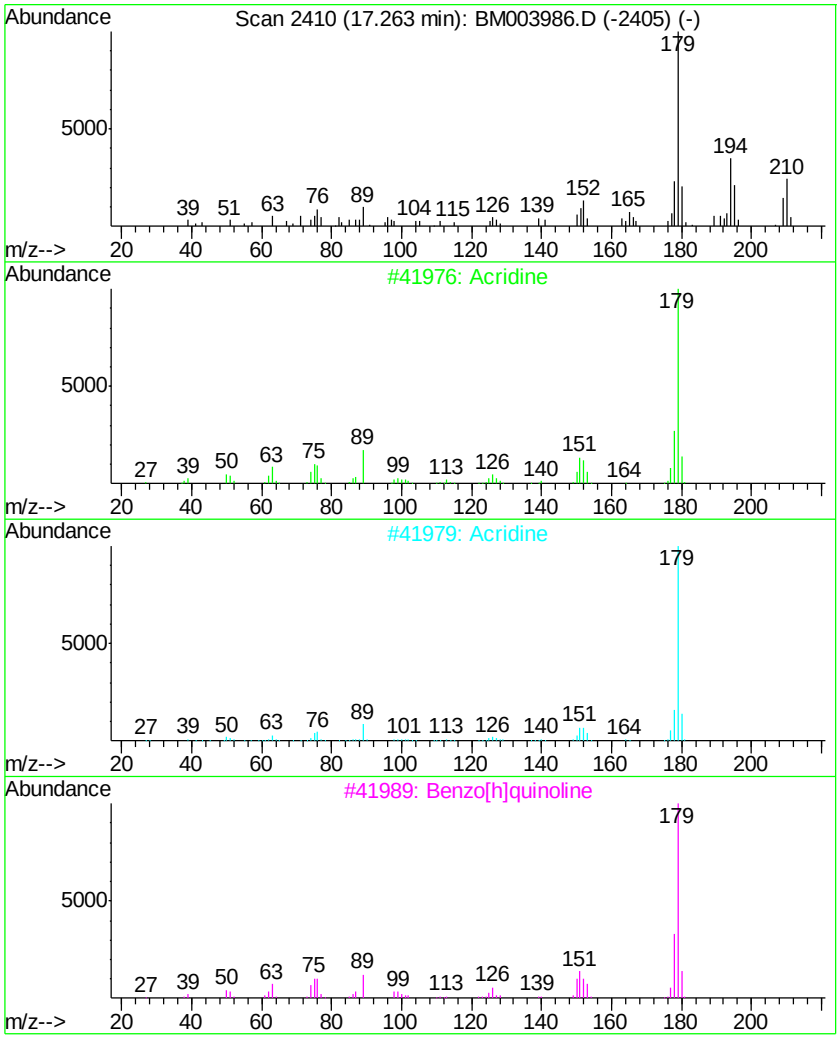
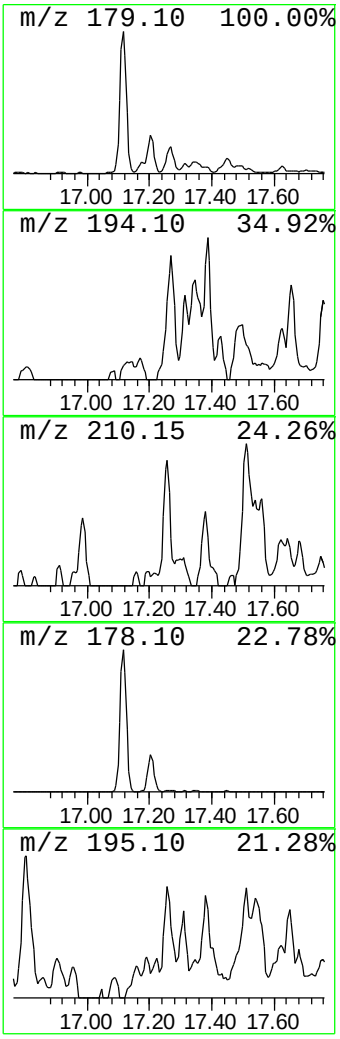
Peak Number 4 Acridine Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	3.40 ng/ul	100872	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	70
2	Acridine	179	C13H9N	000260-94-6	60
3	Benzo[h]quinoline	179	C13H9N	000230-27-3	55
4	Benzo[h]quinoline	179	C13H9N	000230-27-3	55
5	Benzo[f]quinoline	179	C13H9N	000085-02-9	55





Data Path : Z:\HPCHEM1\BNA M\DATA\BM011316\
Data File : BM003986.D
Acq On : 13 Jan 2016 11:25
Operator : SJ/UM
Sample : H1095-20
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9A8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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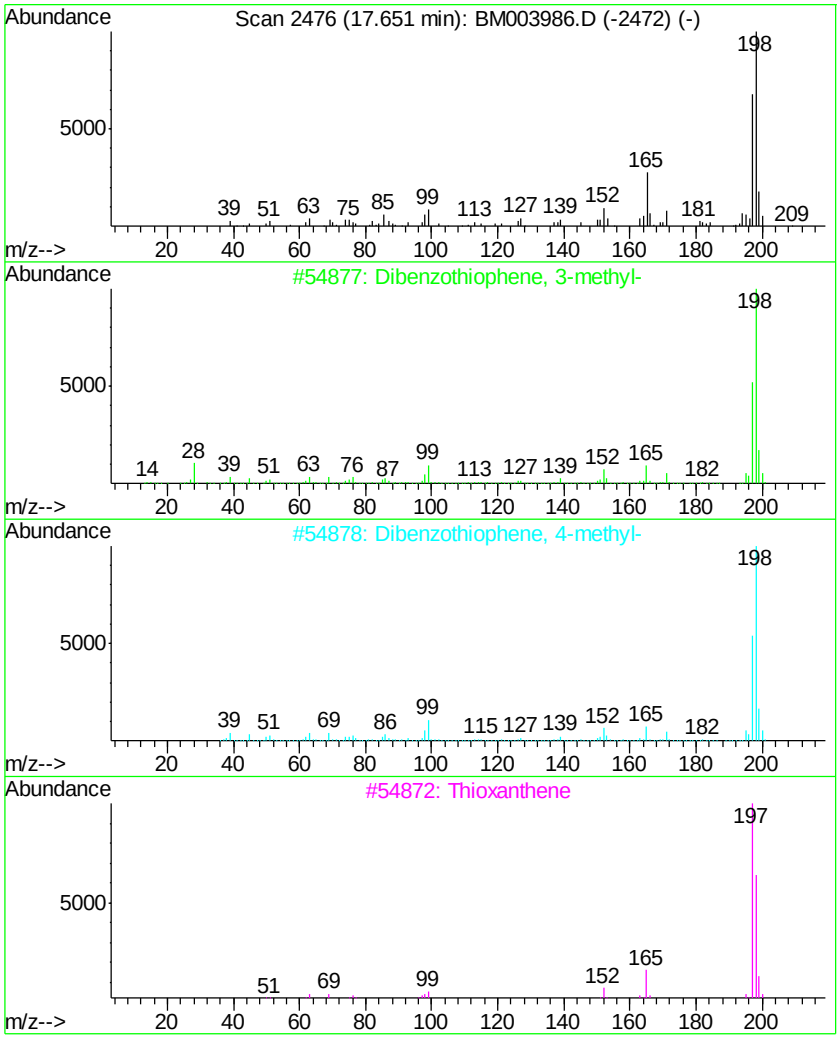
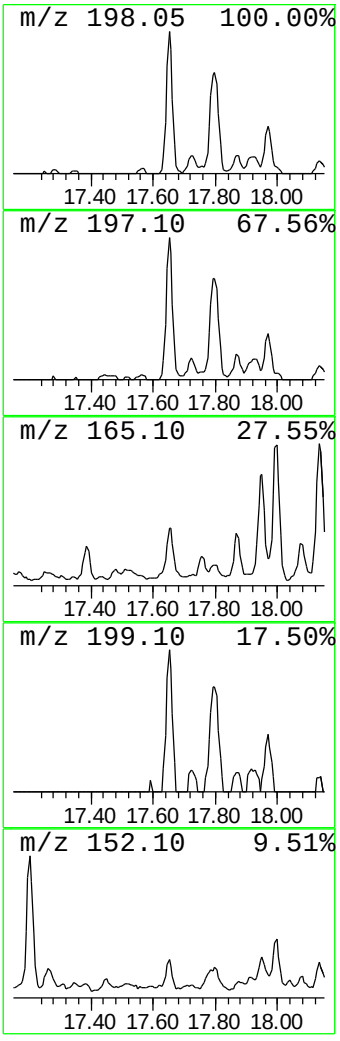
Peak Number 5 Dibenzothiophene, 3-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.65	4.82 ng/ul	143002	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	91
3	Thioxanthene	198	C13H10S	000261-31-4	86
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	81
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	68





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Operator : SJ/UM
Sample : H1095-20
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9A8

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Quant Title : SVOA CALIBRATION

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

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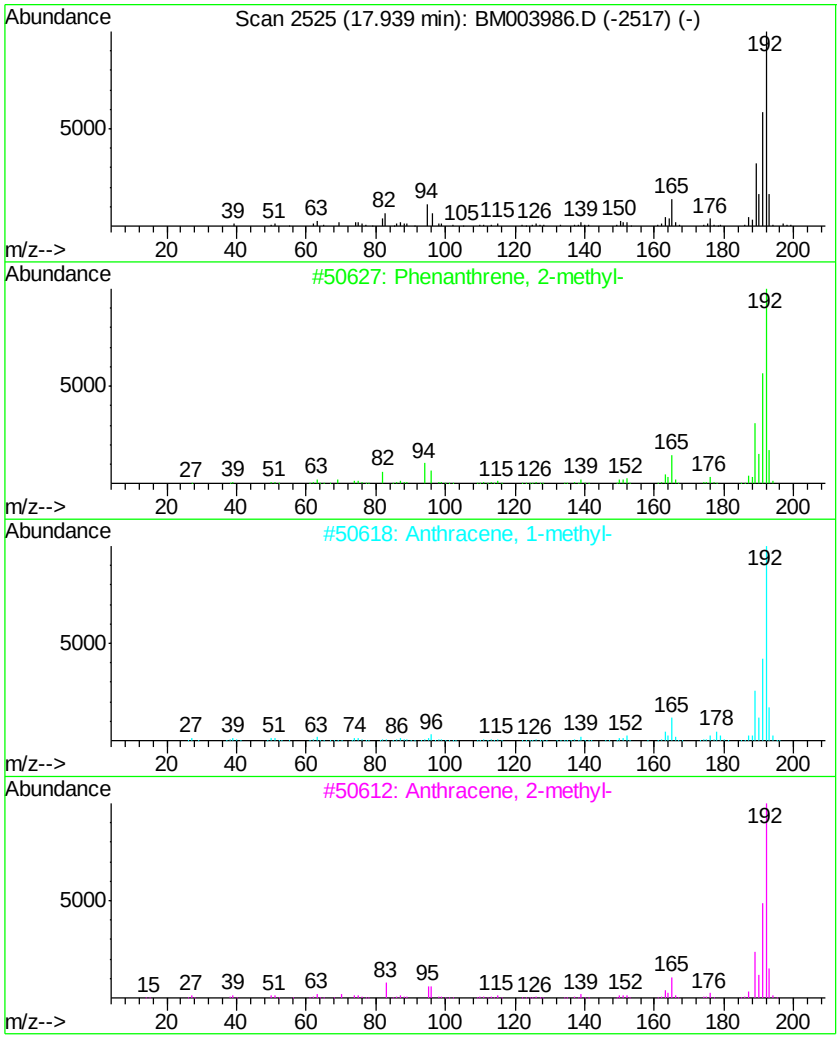
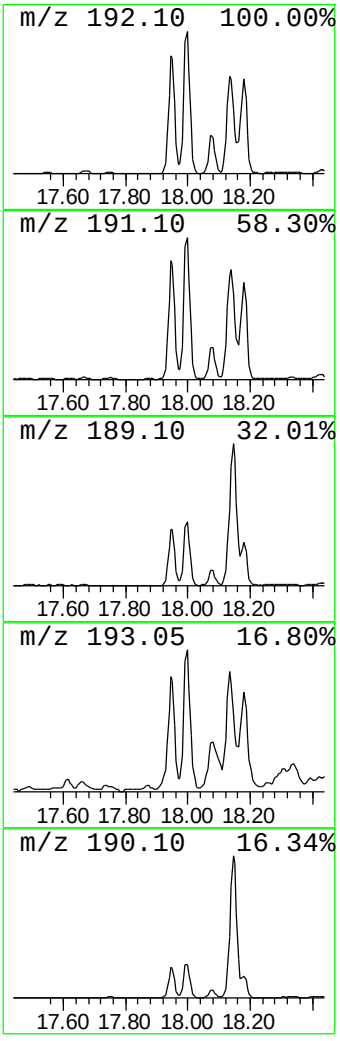
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	17.73 ng/ul	526112	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





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Sample : H1095-20
Misc :
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Instrument : BNA_M
ClientSampleId : BC9A8

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Quant Title : SVOA CALIBRATION

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

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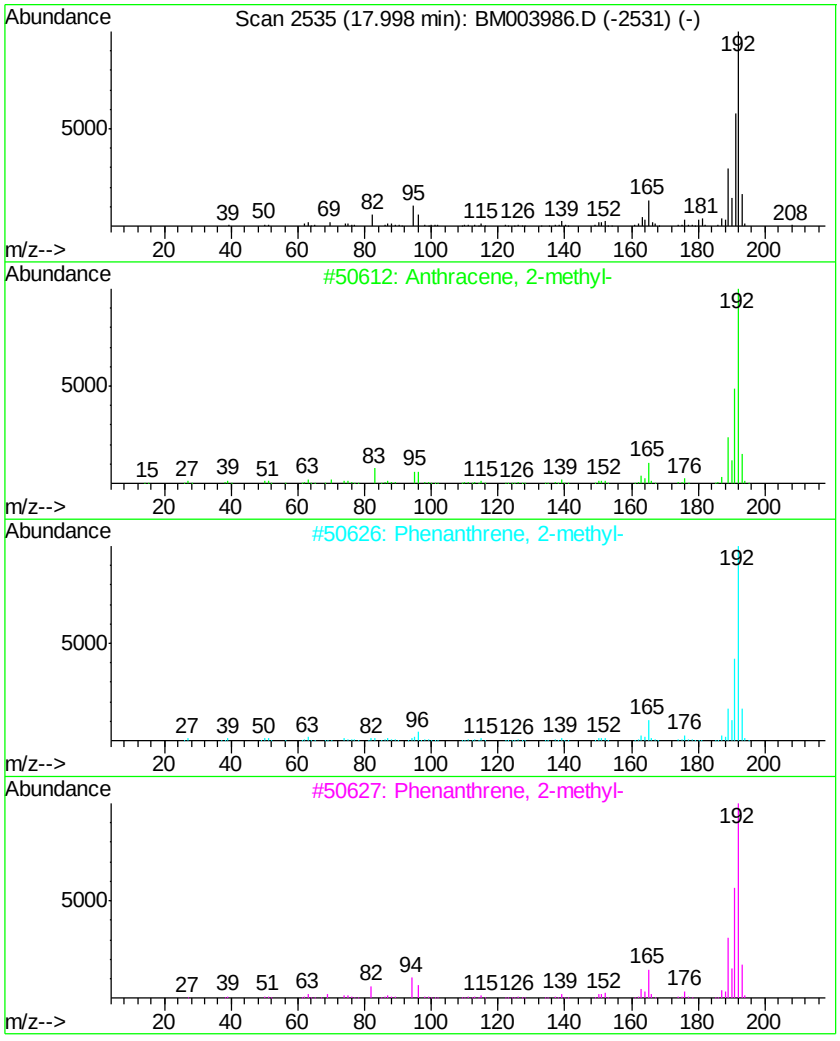
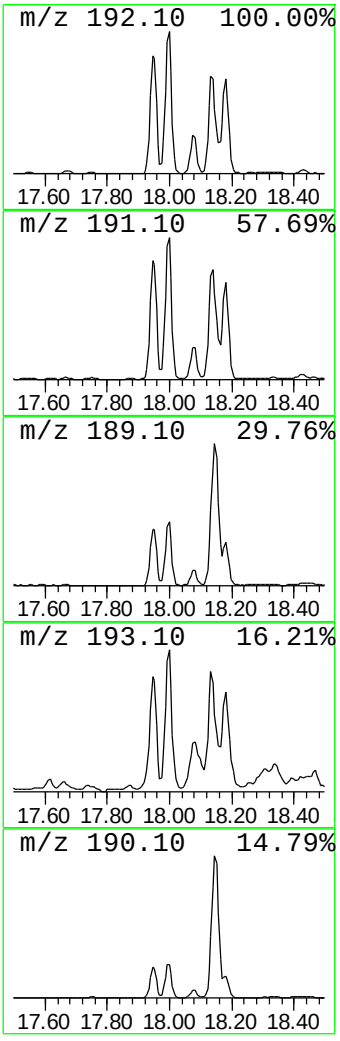
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	19.73 ng/ul	585420	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Sample : H1095-20
Misc :
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Instrument : BNA_M
ClientSampleId : BC9A8

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Quant Title : SVOA CALIBRATION

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

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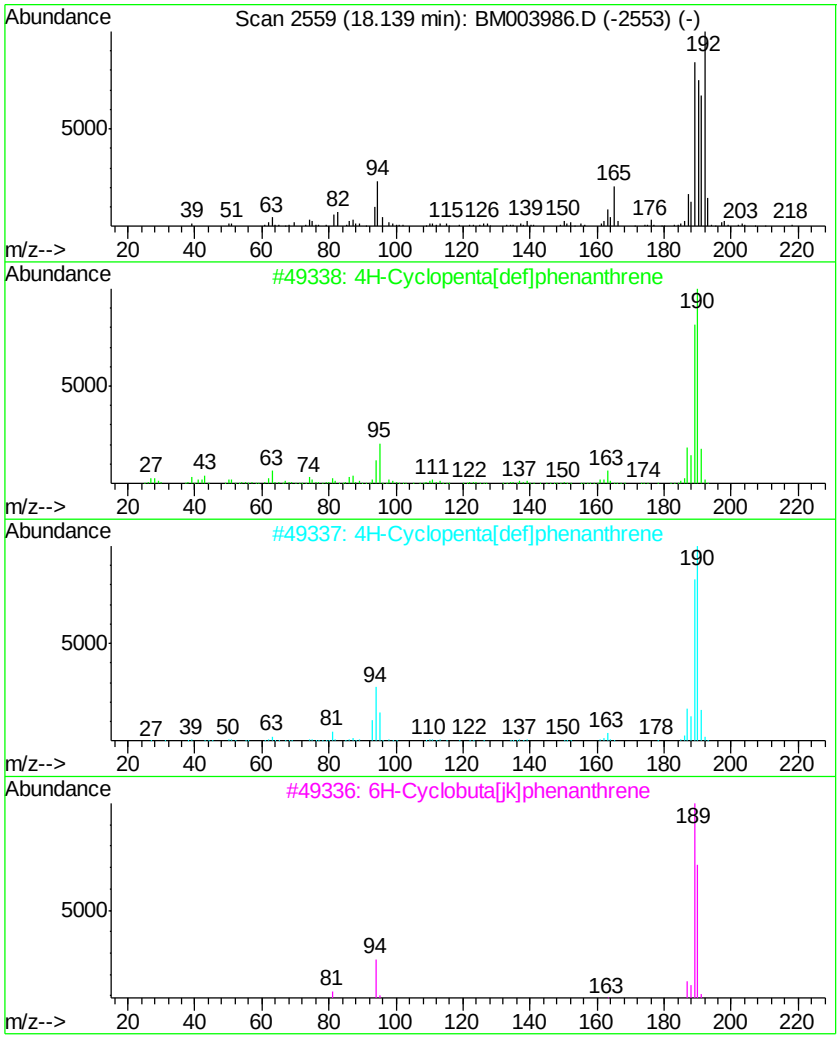
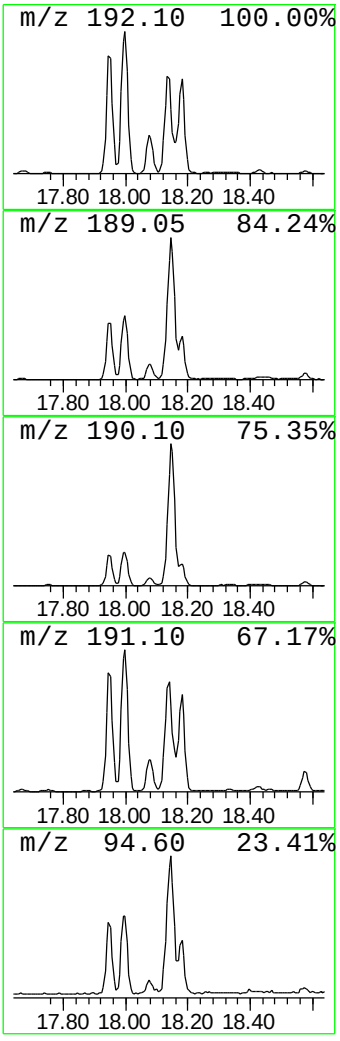
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	25.67 ng/ul	761683	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46





Library Search Compound Report

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Sample : H1095-20
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Instrument : BNA_M
ClientSampleId : BC9A8

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Quant Title : SVOA CALIBRATION

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

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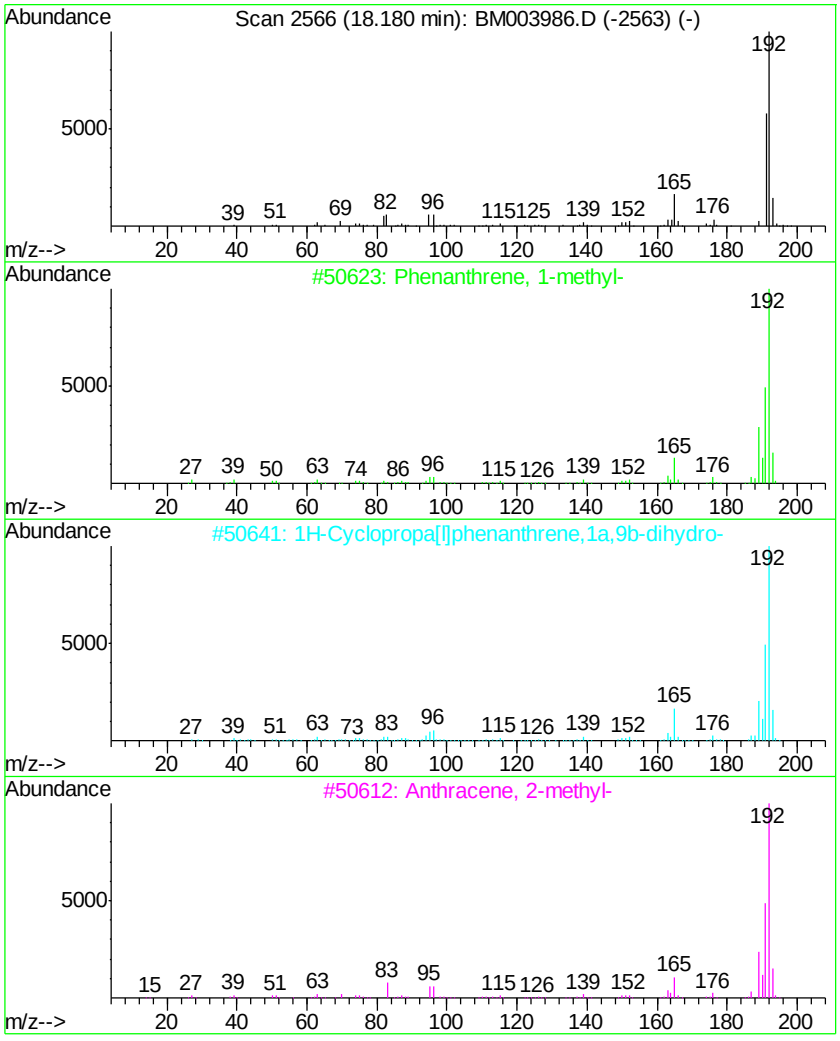
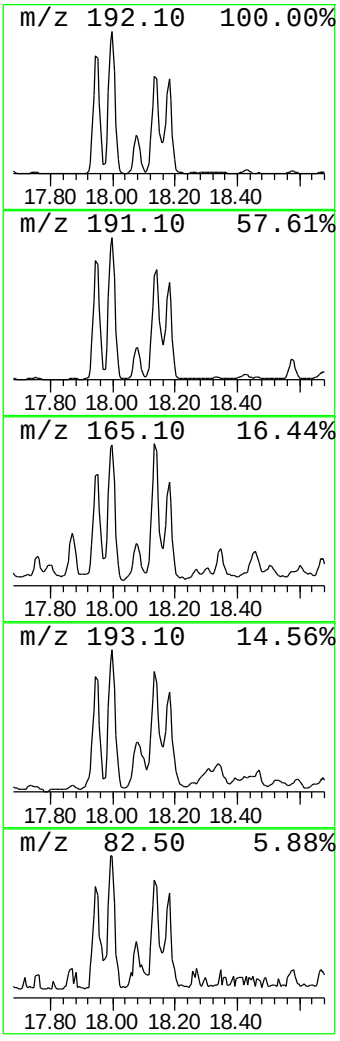
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	11.80 ng/ul	350053	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90





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Sample : H1095-20
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Instrument : BNA_M
ClientSampleId : BC9A8

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Quant Title : SVOA CALIBRATION

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

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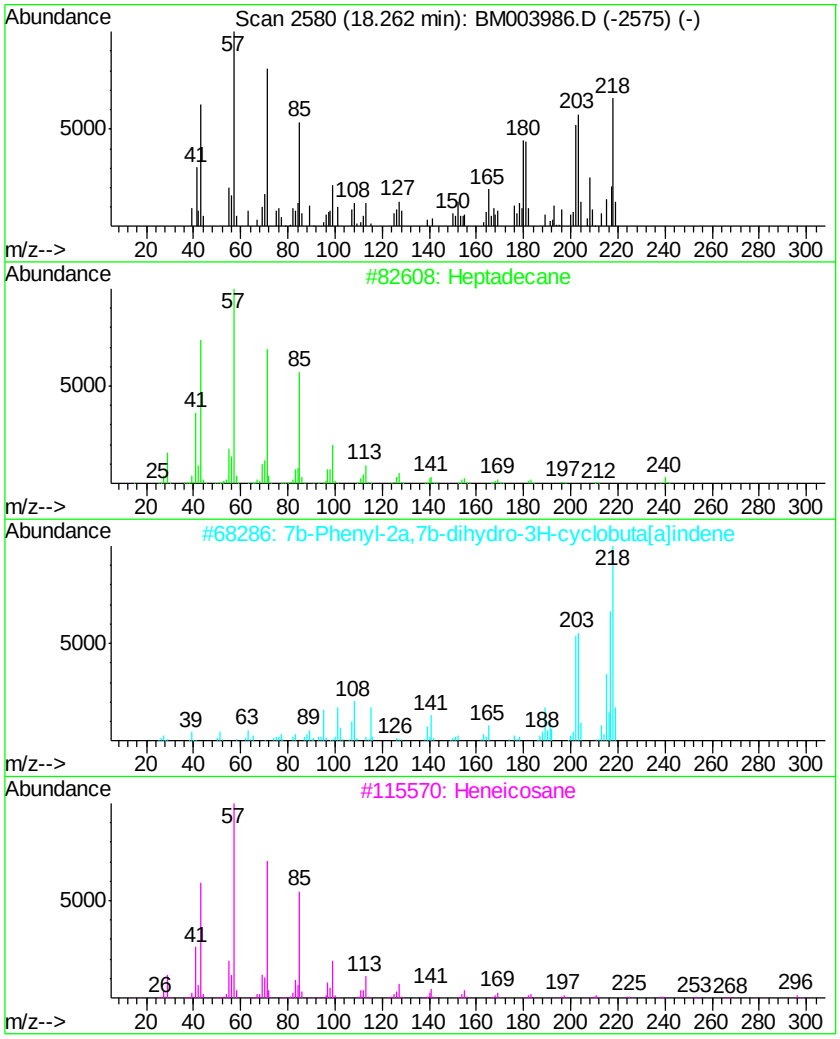
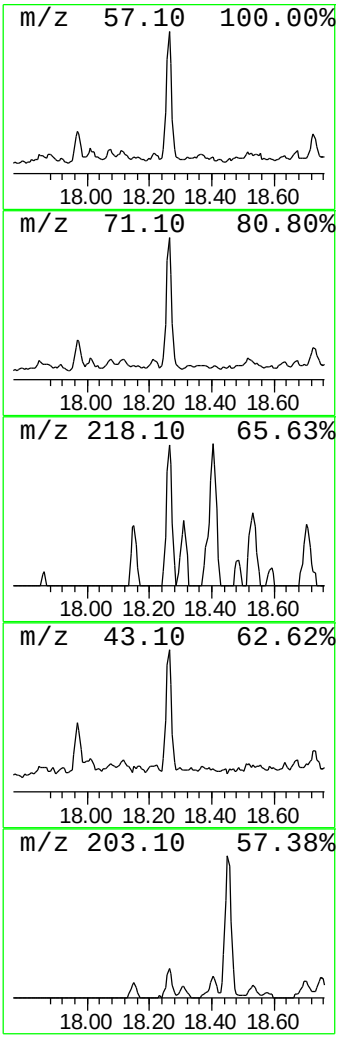
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	3.00 ng/ul	89141	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	20
2	7b-Phenyl-2a,7b-dihydro-3H-cyclo...	218	C17H14	138089-70-0	20
3	Heneicosane	296	C21H44	000629-94-7	20
4	9-Phenyl-5H-benzocycloheptene	218	C17H14	138089-71-1	20
5	1,2,3,4-Tetrahydro-1-phenyl-1,2,...	218	C17H14	138089-69-7	20





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Instrument : BNA_M
ClientSampleId : BC9A8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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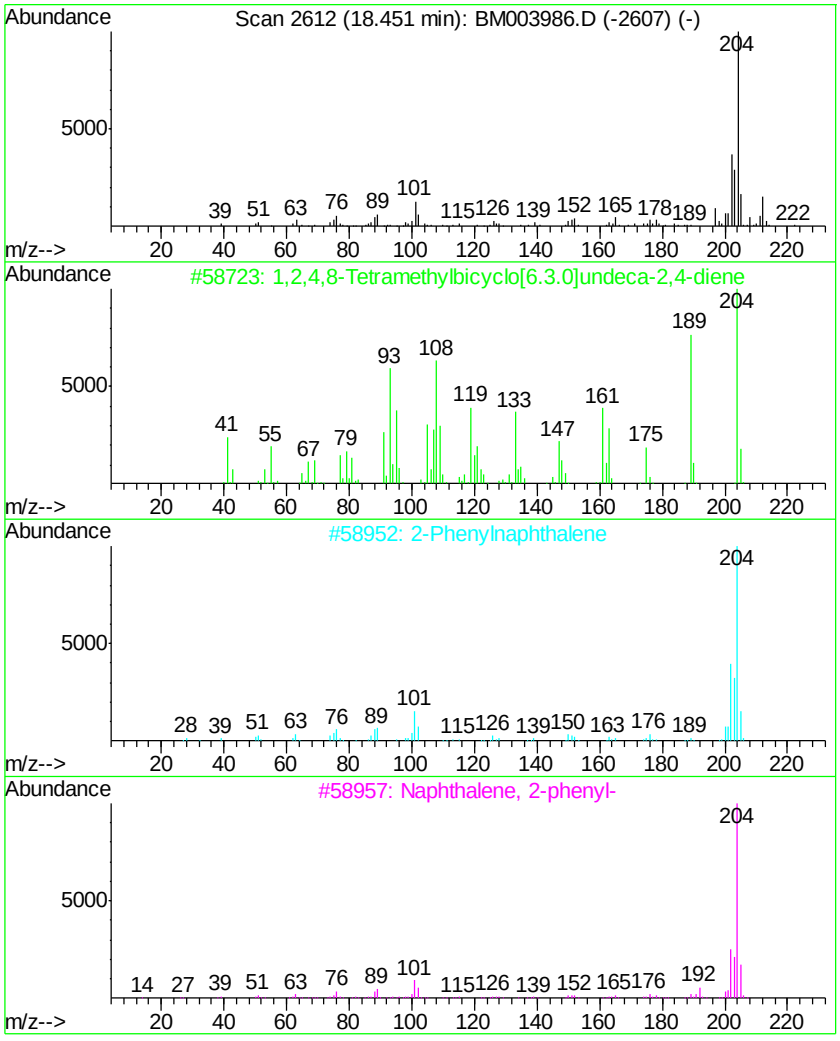
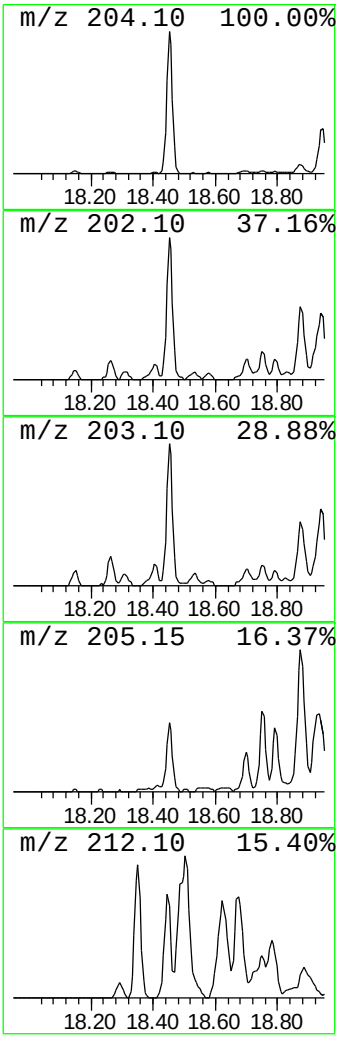
Peak Number 12 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	9.16 ng/ul	271815	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	89
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62





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Sample : H1095-20
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9A8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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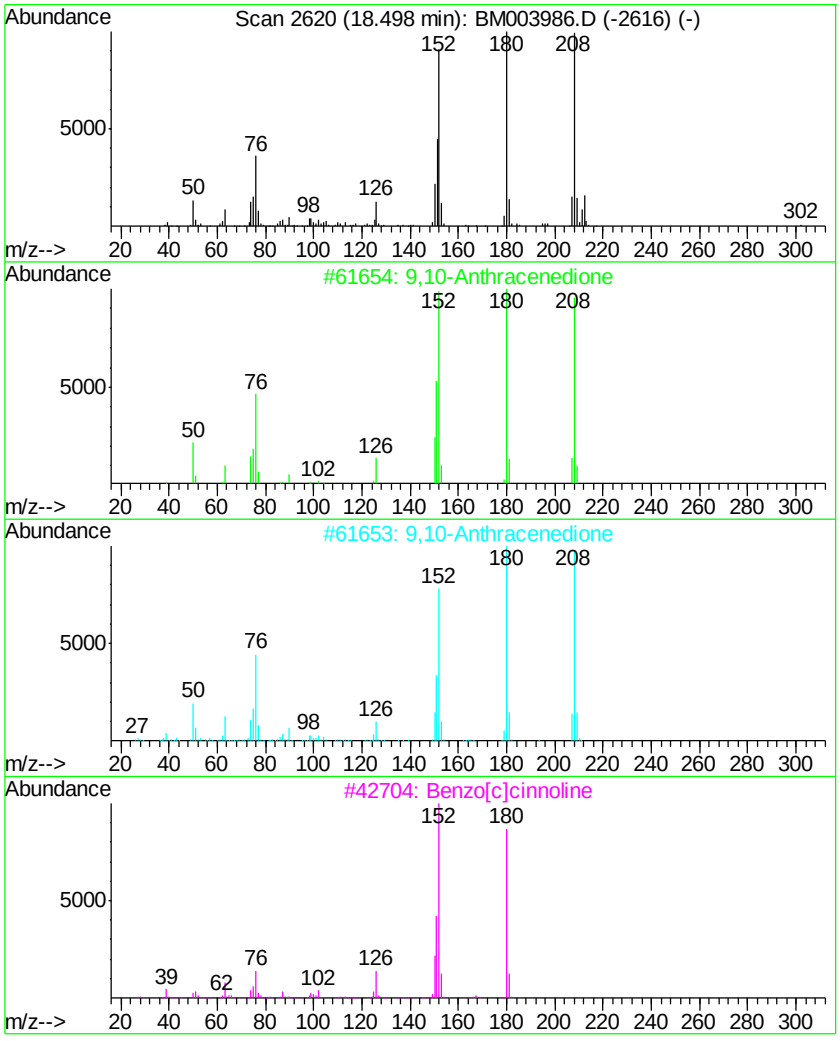
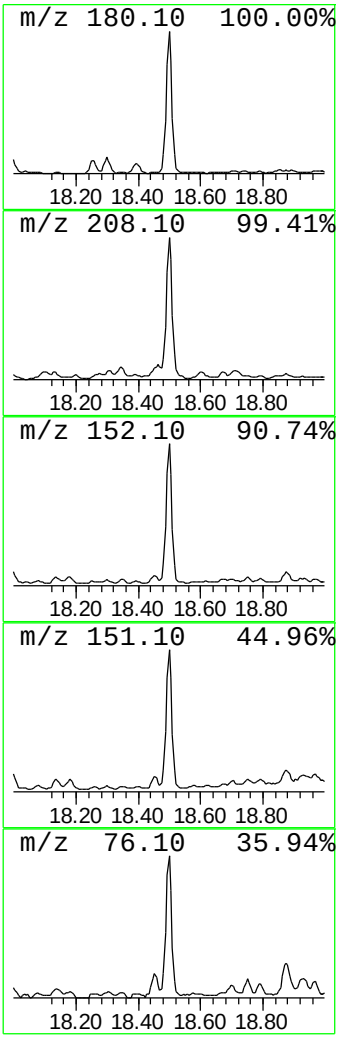
Peak Number 13 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	15.44 ng/ul	458069	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70





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Sample : H1095-20
Misc :
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Instrument : BNA_M
ClientSampleId : BC9A8

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Quant Title : SVOA CALIBRATION

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

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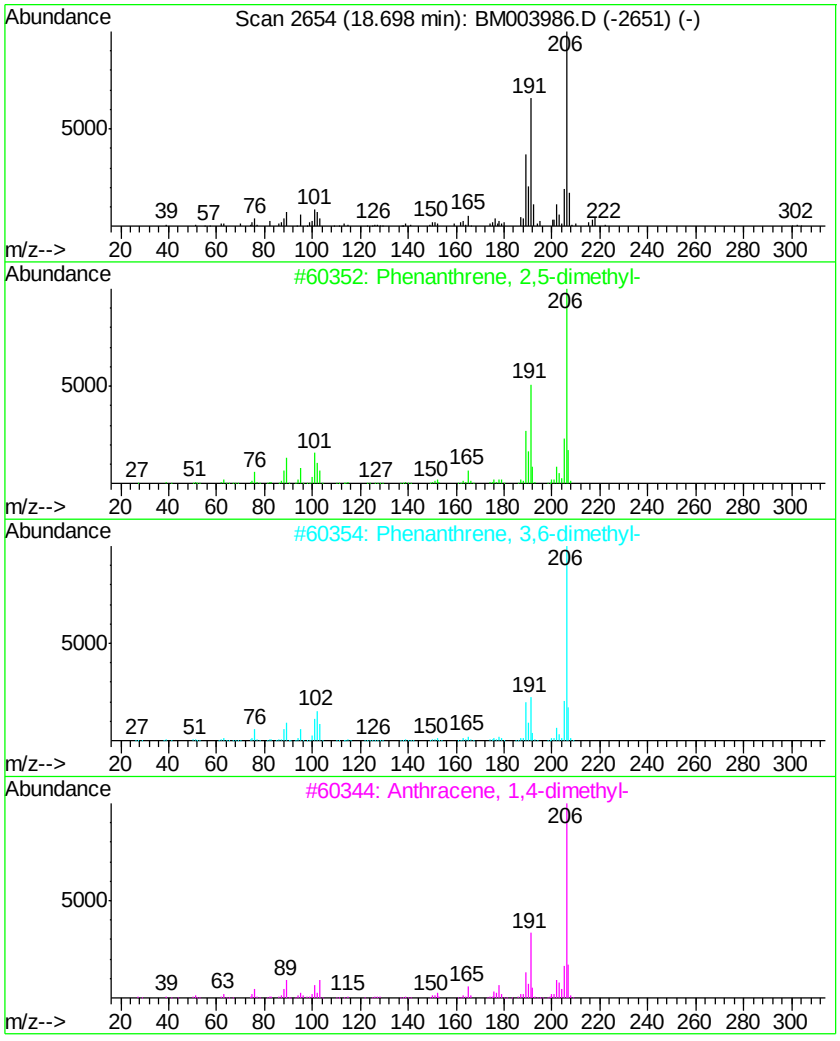
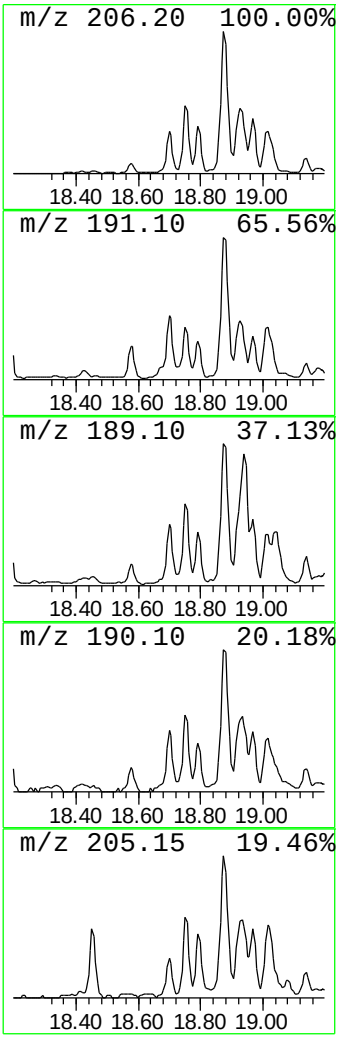
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	5.53 ng/ul	164120	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	80





Library Search Compound Report

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Sample : H1095-20
Misc :
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Instrument : BNA_M
ClientSampleId : BC9A8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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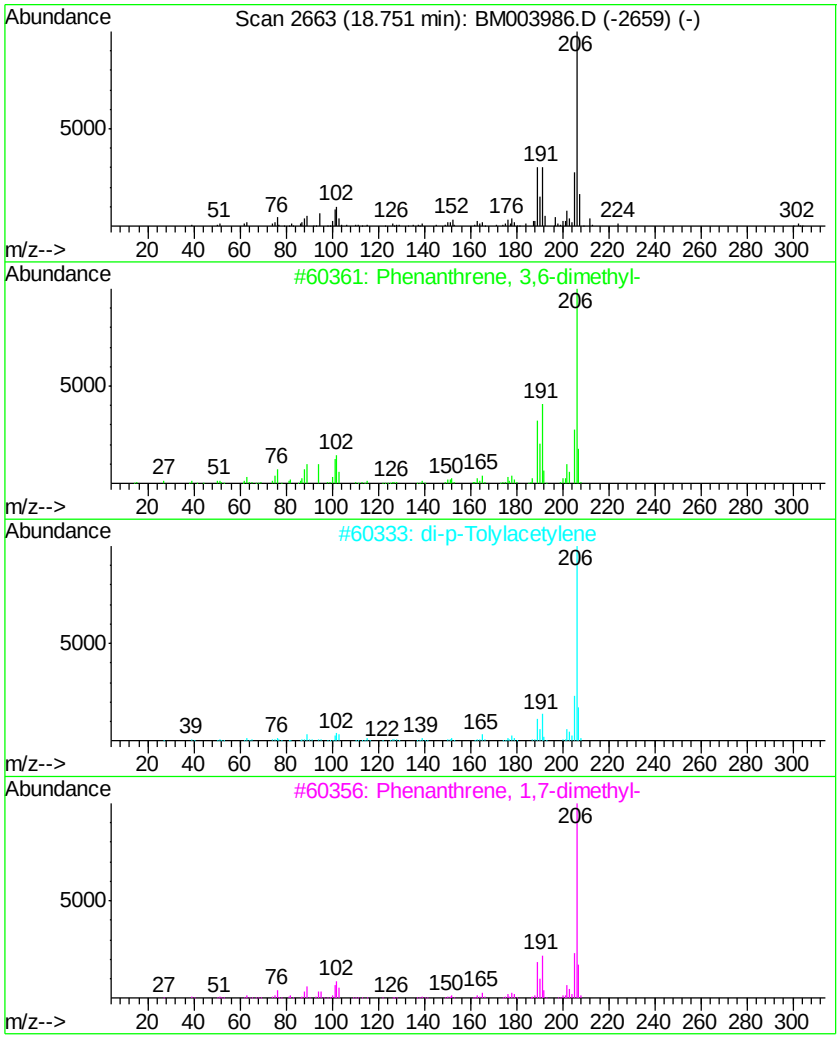
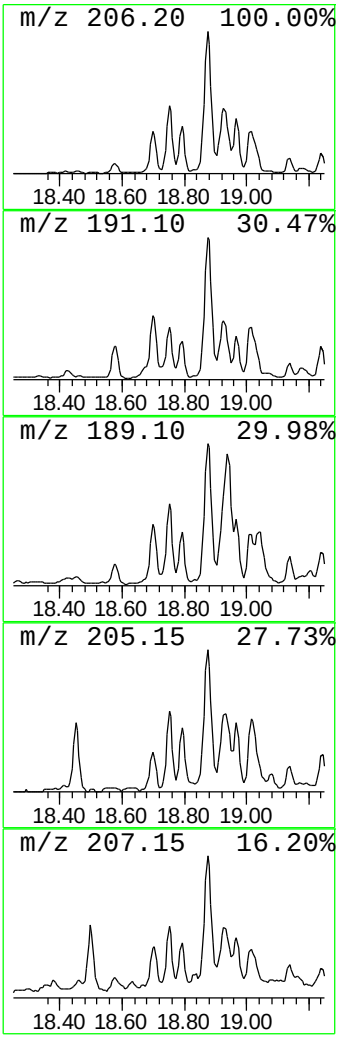
Peak Number 15 Phenanthrene, 3,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.75	6.38 ng/ul	189353	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93





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Instrument : BNA_M
ClientSampleId : BC9A8

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Quant Title : SVOA CALIBRATION

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

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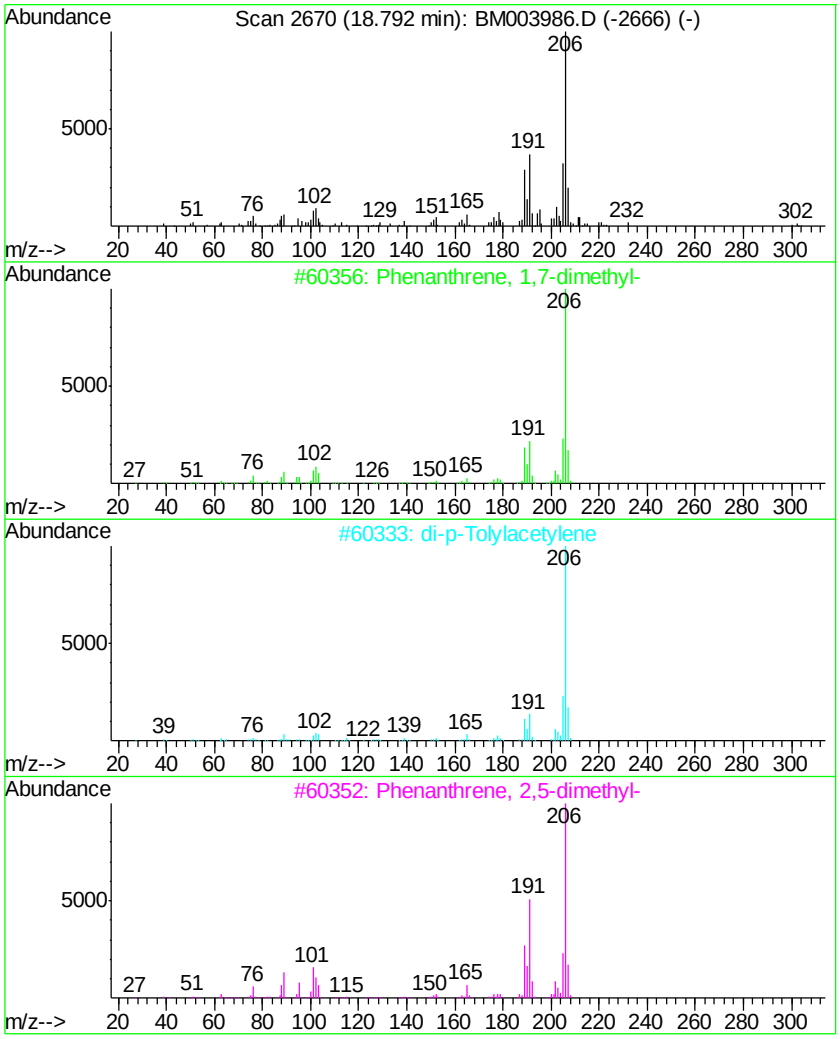
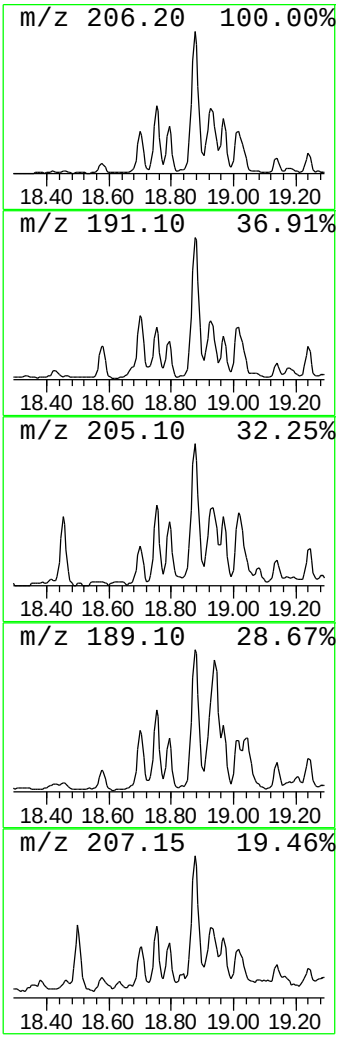
Peak Number 16 Phenanthrene, 1,7-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	5.46 ng/ul	162092	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : BC9A8

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Quant Title : SVOA CALIBRATION

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

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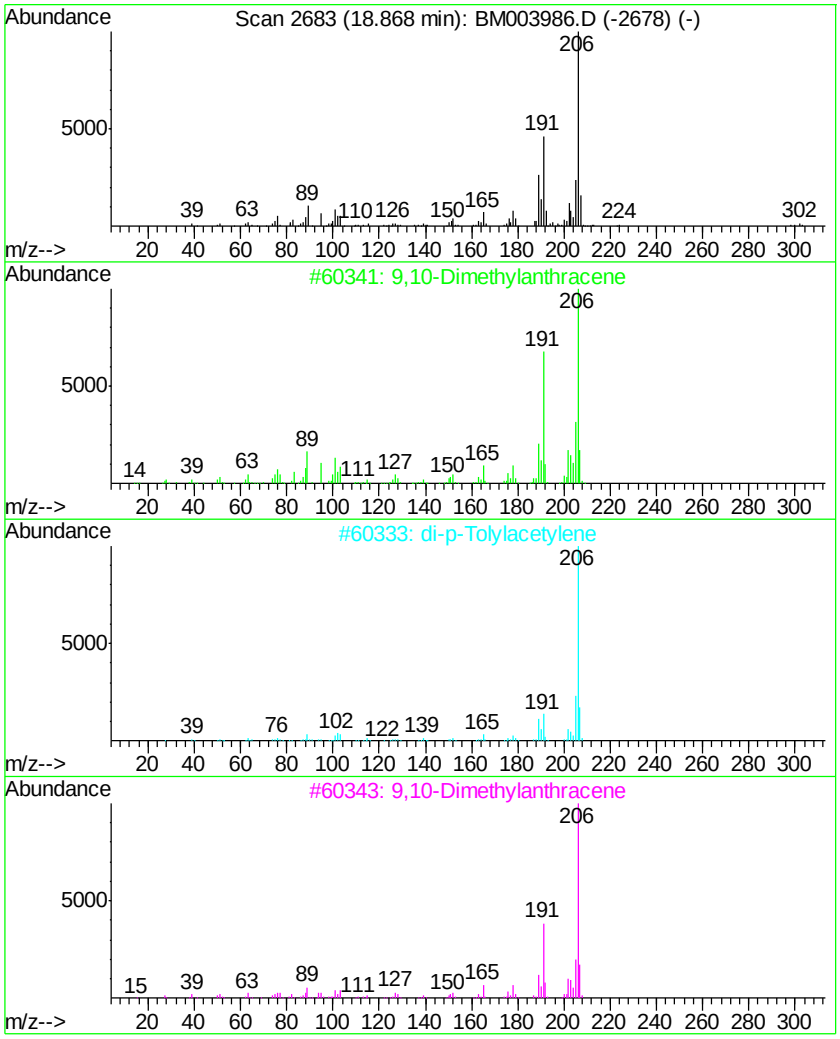
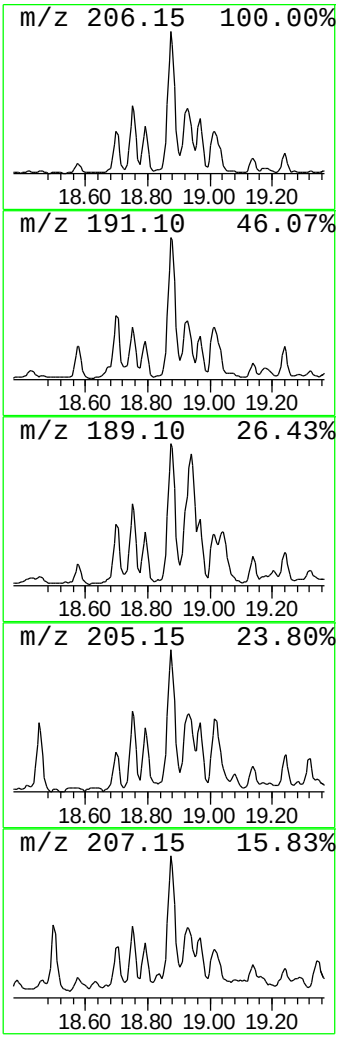
Peak Number 17 9,10-Dimethylanthracene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	20.12 ng/ul	596916	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89





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Sample : H1095-20
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9A8

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Quant Title : SVOA CALIBRATION

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

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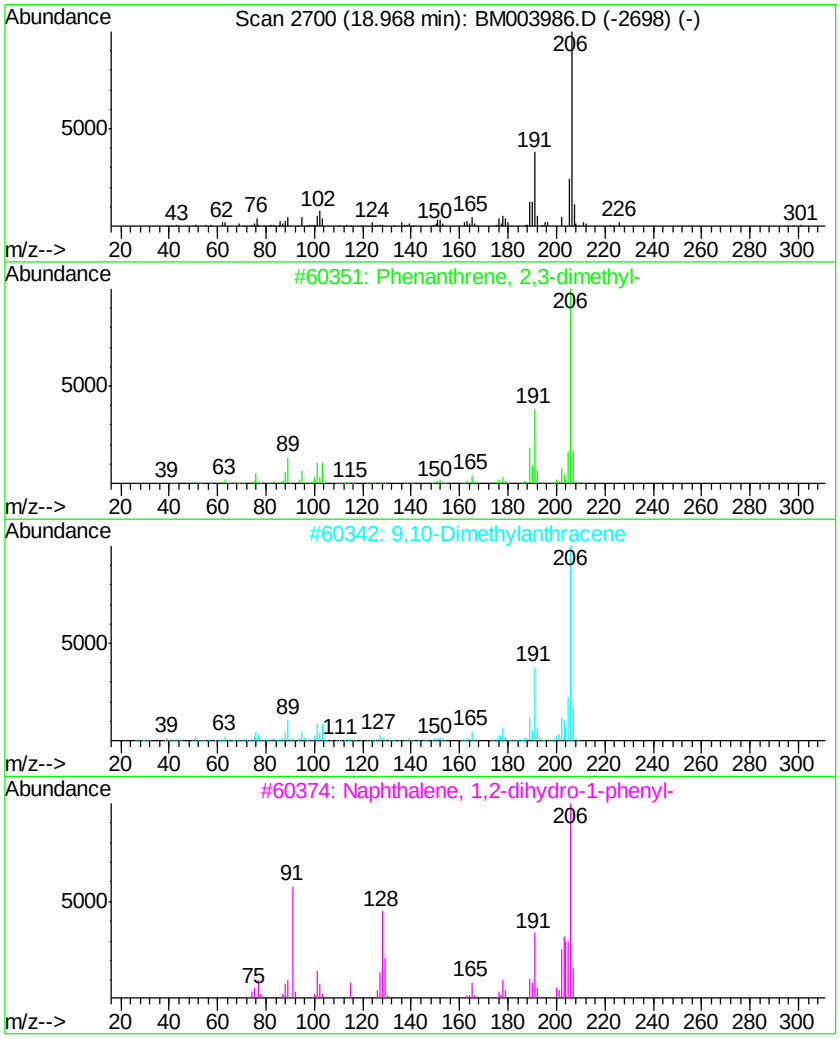
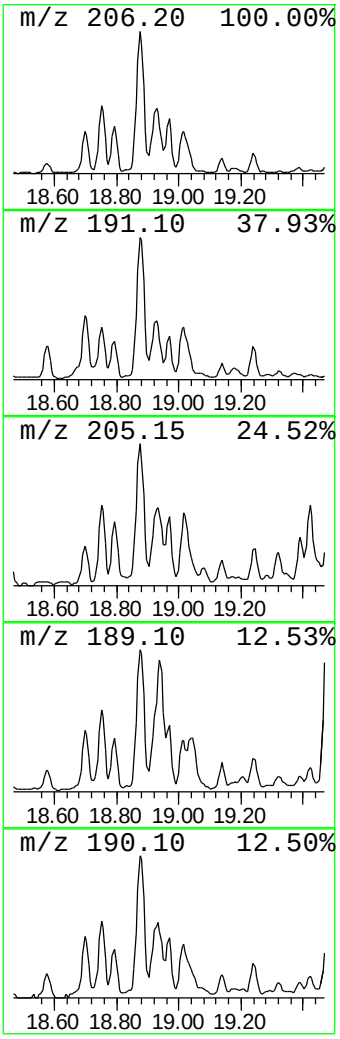
Peak Number 19 Phenanthrene, 2,3-dimethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	3.87 ng/ul	114696	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
3	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	86
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	86
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	80





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Data File : BM003986.D
Acq On : 13 Jan 2016 11:25
Operator : SJ/UM
Sample : H1095-20
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9A8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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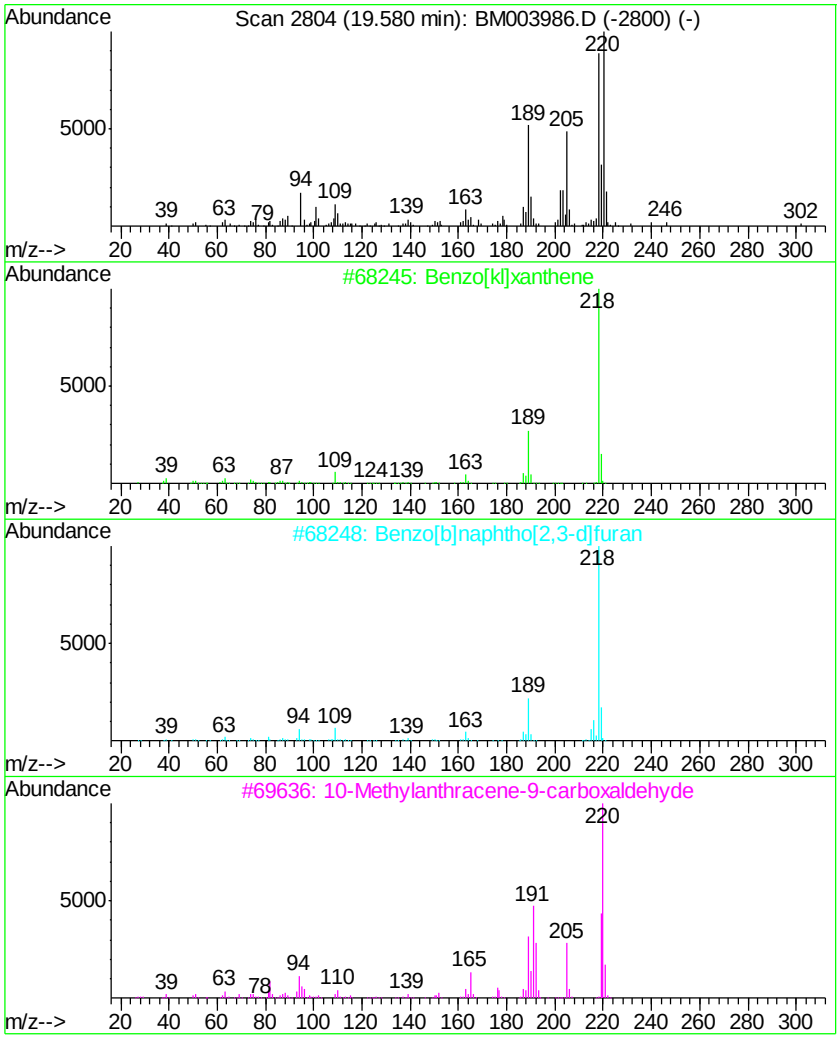
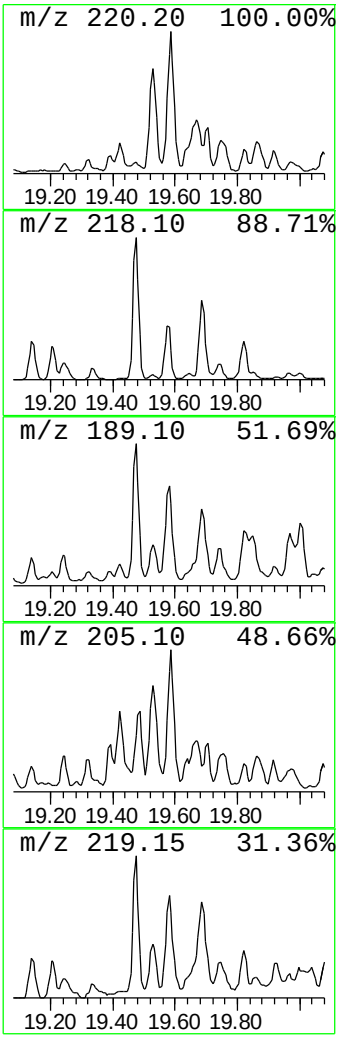
Peak Number 21 Benzo[kl]xanthene Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.58	2.67 ng/ul	288482	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[kl]xanthene	218	C16H10O	000200-23-7	84
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	46
3	10-Methylanthracene-9-carboxalde...	220	C16H12O	007072-00-6	43
4	Pyrrolo[1,2-a]thieno[2,3-d]pyrim...	220	C11H12N2OS	056929-61-4	41
5	5-Acetyl-2-ethylsulfanyl-6-methy...	220	C11H12N2OS	303146-26-1	38





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Data File : BM003986.D
Acq On : 13 Jan 2016 11:25
Operator : SJ/UM
Sample : H1095-20
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9A8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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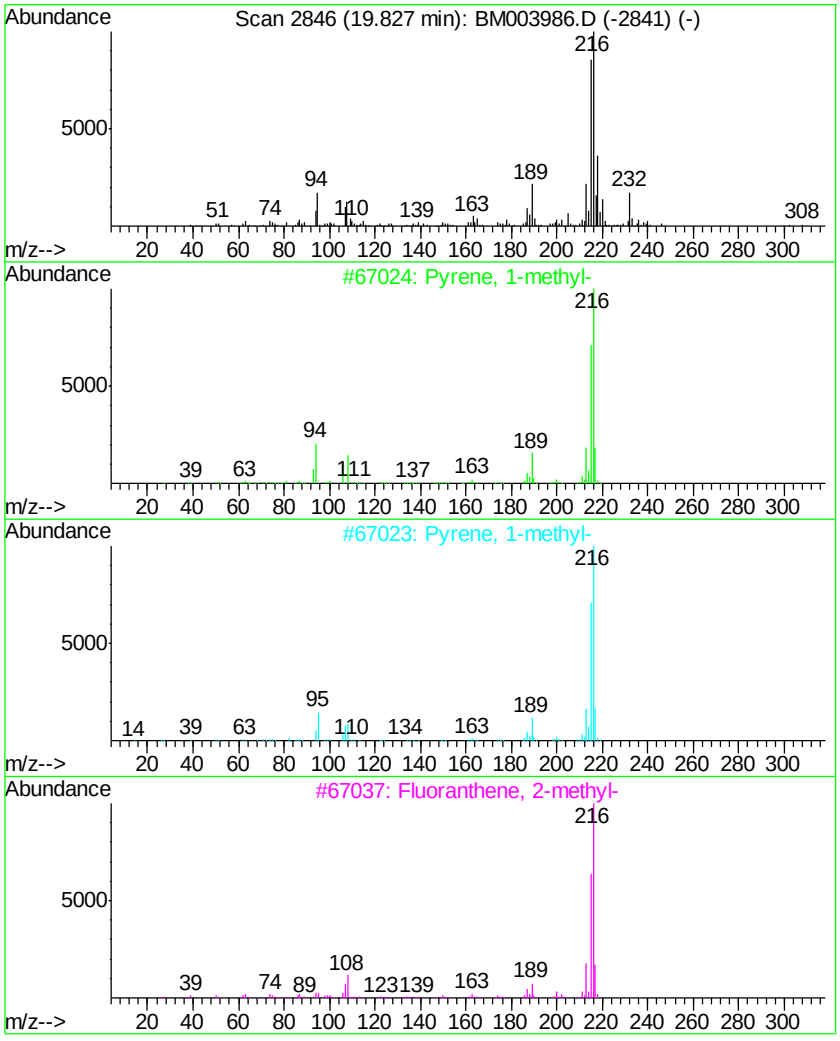
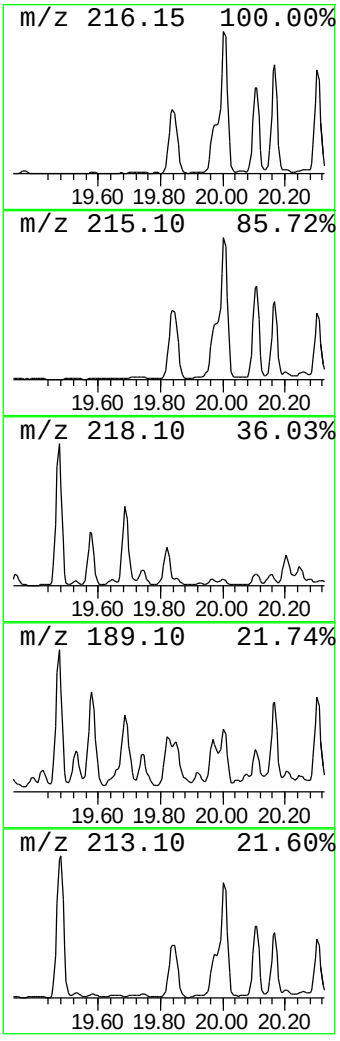
Peak Number 22 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	5.52 ng/ul	595013	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91





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Data File : BM003986.D
Acq On : 13 Jan 2016 11:25
Operator : SJ/UM
Sample : H1095-20
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9A8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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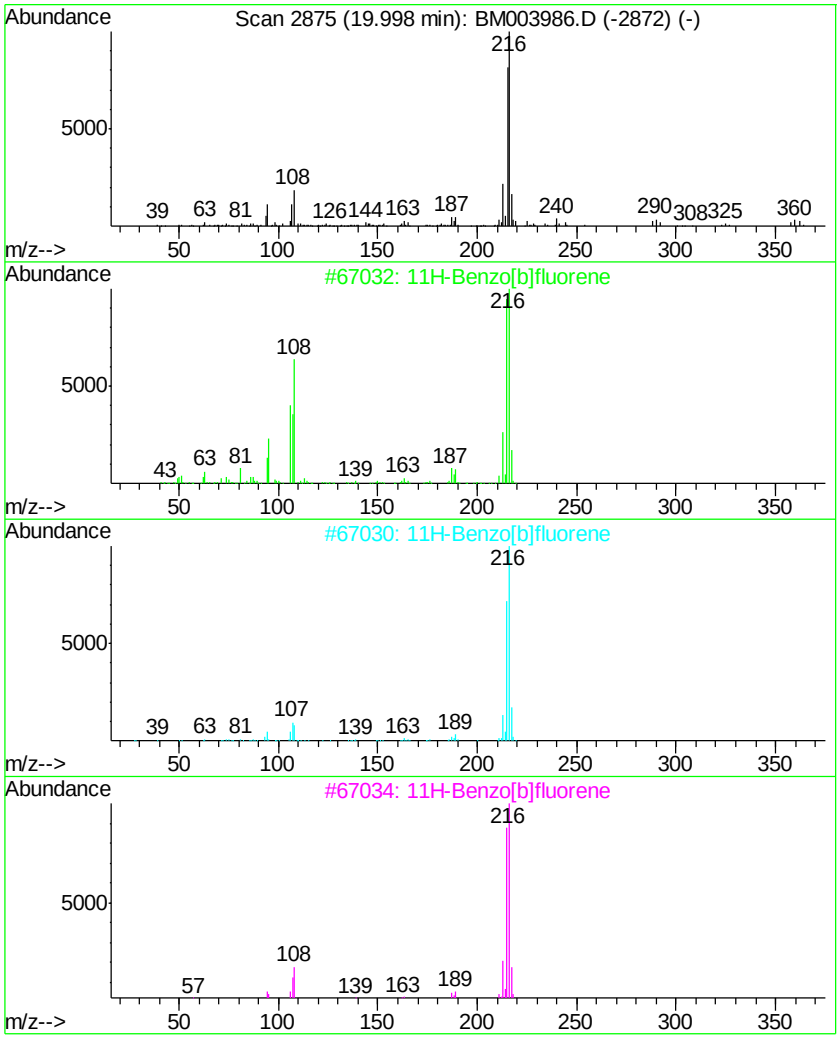
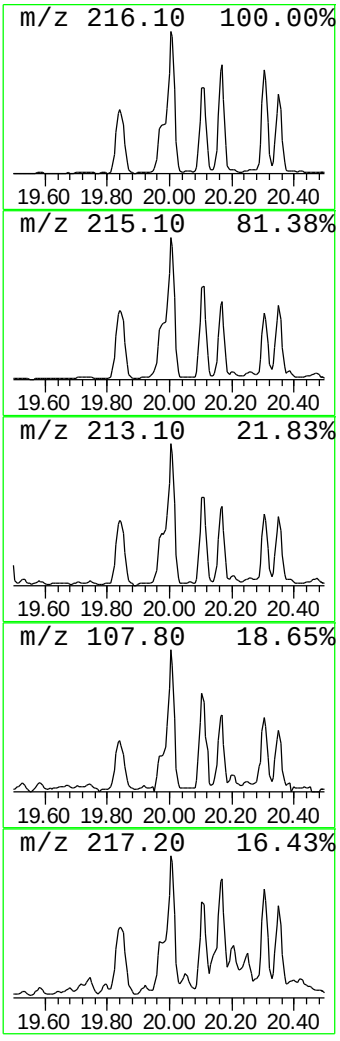
Peak Number 24 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	5.90 ng/ul	636894	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





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Acq On : 13 Jan 2016 11:25
Operator : SJ/UM
Sample : H1095-20
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9A8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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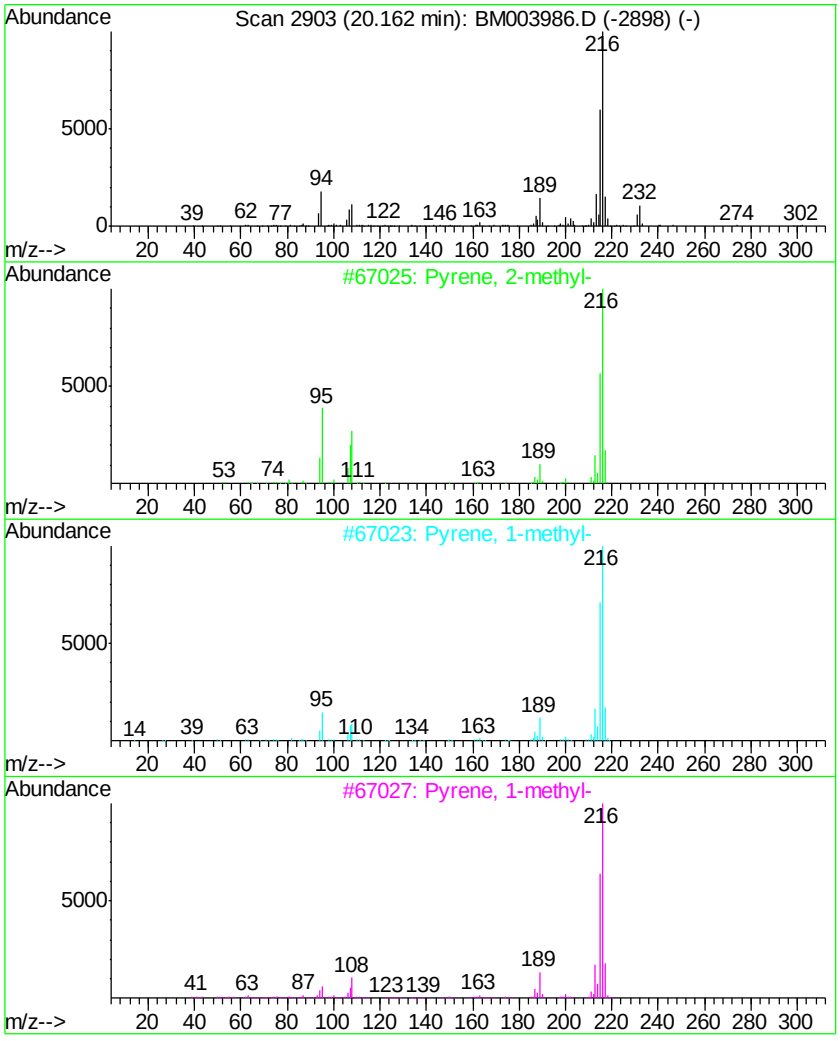
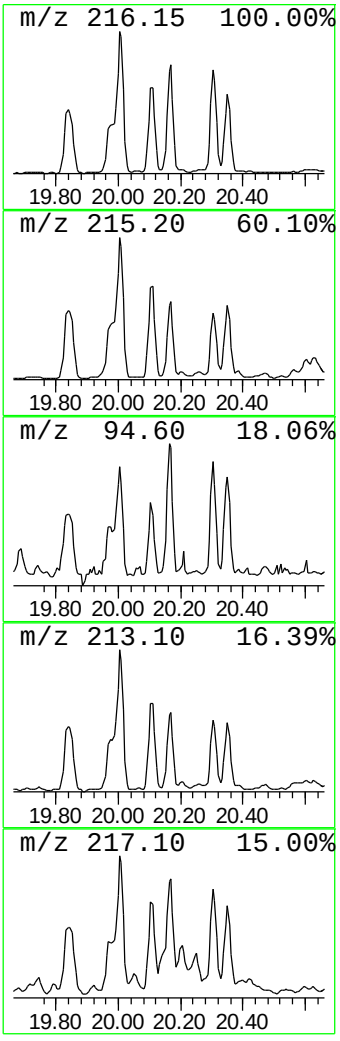
Peak Number 26 Pyrene, 2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.16	5.07 ng/ul	546826	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95





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Data File : BM003986.D
Acq On : 13 Jan 2016 11:25
Operator : SJ/UM
Sample : H1095-20
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9A8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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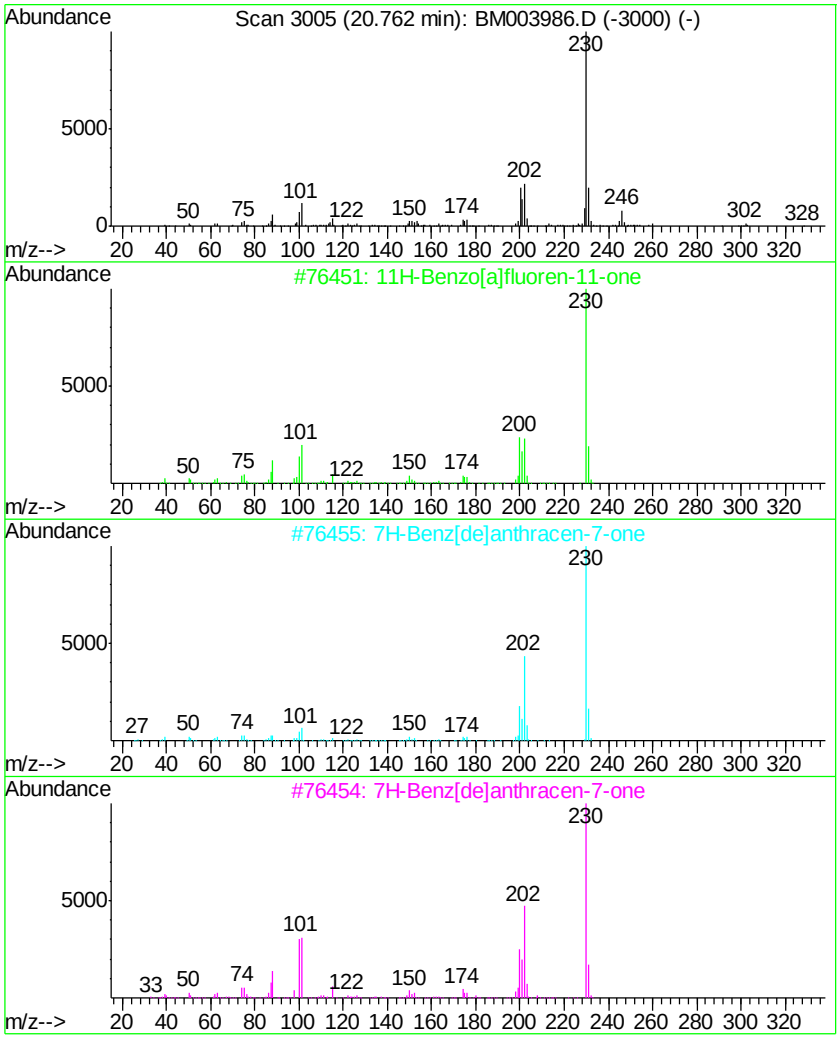
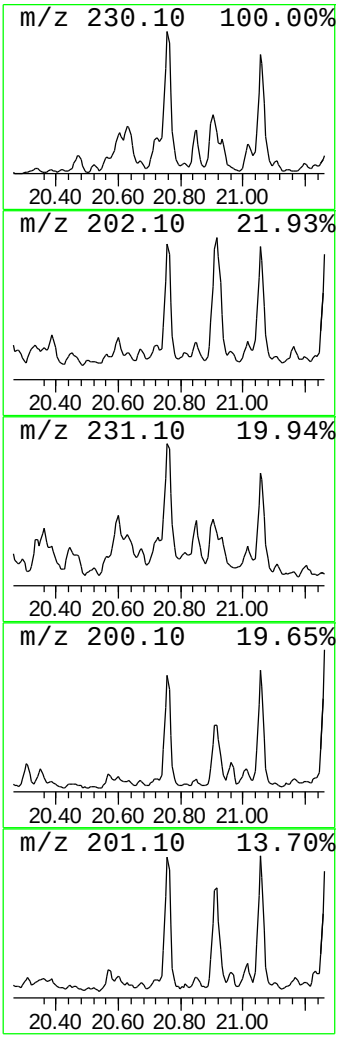
Peak Number 29 11H-Benzo[a]fluoren-11-one Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.76	3.24 ng/ul	350038	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	74
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	70





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Acq On : 13 Jan 2016 11:25
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Sample : H1095-20
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9A8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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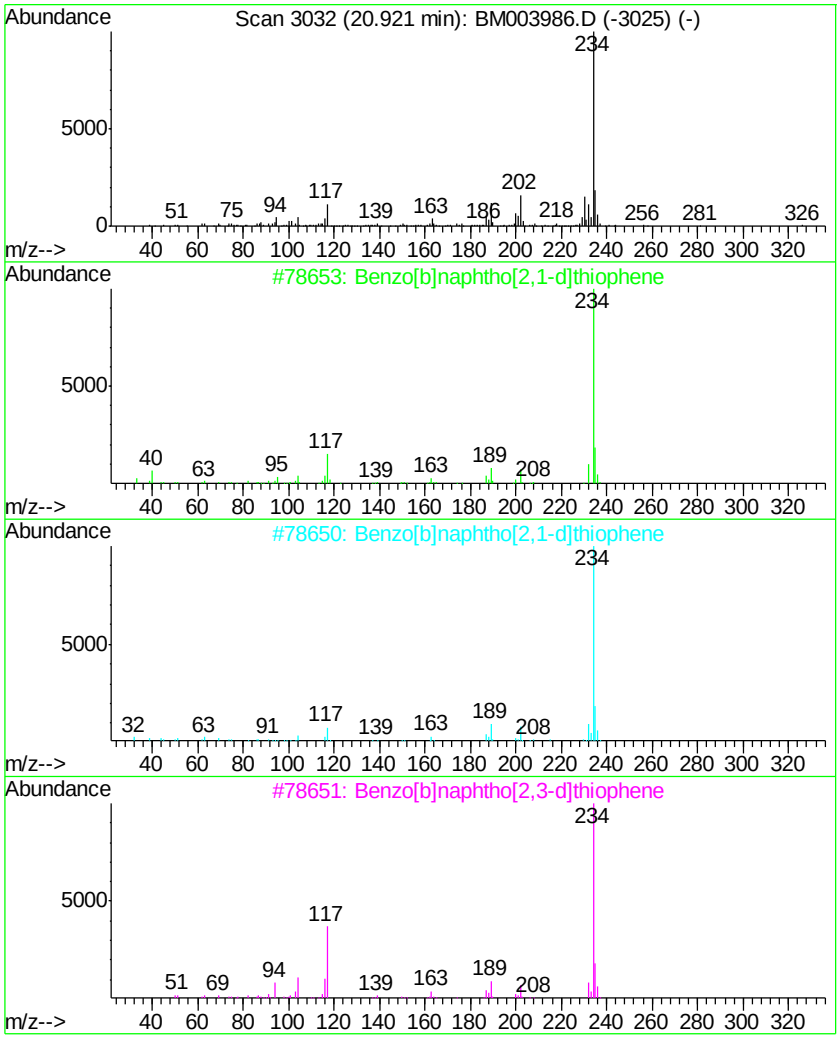
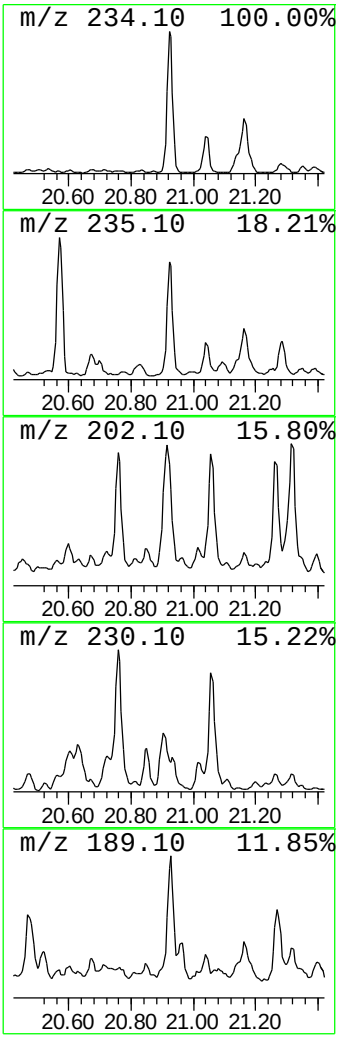
Peak Number 30 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	4.21 ng/ul	454496	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	87
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87





Tentatively Identified Compound (LSC) summary

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Data File : BM003986.D
Acq On : 13 Jan 2016 11:25
Operator : SJ/UM
Sample : H1095-20
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9A8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.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
unknown-01	16.05	5.3	ng/ul	156248	4	17.07	593439	20.0
9H-Fluoren-9-one	16.73	3.2	ng/ul	94417	4	17.07	593439	20.0
Dibenzothiophene	16.89	4.6	ng/ul	135890	4	17.07	593439	20.0
Acridine	17.26	3.4	ng/ul	100872	4	17.07	593439	20.0
Dibenzothiophene,...	17.65	4.8	ng/ul	143002	4	17.07	593439	20.0
Phenanthrene, 2-m...	17.94	17.7	ng/ul	526112	4	17.07	593439	20.0
Anthracene, 2-met...	18.00	19.7	ng/ul	585420	4	17.07	593439	20.0
4H-Cyclopenta[def...	18.14	25.7	ng/ul	761683	4	17.07	593439	20.0
Phenanthrene, 1-m...	18.18	11.8	ng/ul	350053	4	17.07	593439	20.0
(DEL) Alkane: Str...	18.26	3.0	ng/ul	89141	4	17.07	593439	20.0
1,2,4,8-Tetrameth...	18.45	9.2	ng/ul	271815	4	17.07	593439	20.0
9,10-Anthracenedione	18.50	15.4	ng/ul	458069	4	17.07	593439	20.0
Phenanthrene, 2,5...	18.70	5.5	ng/ul	164120	4	17.07	593439	20.0
Phenanthrene, 3,6...	18.75	6.4	ng/ul	189353	4	17.07	593439	20.0
Phenanthrene, 1,7...	18.79	5.5	ng/ul	162092	4	17.07	593439	20.0
9,10-Dimethylanth...	18.87	20.1	ng/ul	596916	4	17.07	593439	20.0
Phenanthrene, 2,3...	18.97	3.9	ng/ul	114696	4	17.07	593439	20.0
Benzo[kl]xanthene	19.58	2.7	ng/ul	288482	5	21.28	2157410	20.0
Pyrene, 1-methyl-	19.83	5.5	ng/ul	595013	5	21.28	2157410	20.0
11H-Benzo[b]fluorene	20.00	5.9	ng/ul	636894	5	21.28	2157410	20.0
Pyrene, 2-methyl-	20.16	5.1	ng/ul	546826	5	21.28	2157410	20.0
11H-Benzo[a]fluor...	20.76	3.2	ng/ul	350038	5	21.28	2157410	20.0
Benzo[b]naphtho[2...	20.92	4.2	ng/ul	454496	5	21.28	2157410	20.0