LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004013.D
Acq On : 14 Jan 2016 14:50
Operator : SJ/UM
Sample : H1098-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC962

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	6.840	631	638	648	rBB	118587	188823	6.93%	0.488%
2	6.998	660	665	673	rBB	102240	153079	5.62%	0.396%
3	7.198	693	699	707	rBB	129534	199754	7.33%	0.516%
4	7.663	772	778	785	rBB	150796	226493	8.31%	0.585%
5	8.375	893	899	909	rBB	135234	212599	7.80%	0.549%
6	8.822	969	975	983	rBB	125305	196053	7.20%	0.507%
7	9.539	1092	1097	1104	rBB	98593	160594	5.90%	0.415%
8	10.081	1183	1189	1199	rBB	161338	262984	9.65%	0.680%
9	10.451	1245	1252	1258	rBV	228846	373517	13.71%	0.965%
10	10.598	1270	1277	1290	rBV	81494	141104	5.18%	0.365%
11	13.733	1805	1810	1814	rVV	311124	431064	15.82%	1.114%
12	13.780	1814	1818	1824	rVB	183539	250580	9.20%	0.648%
13	14.016	1852	1858	1862	rBV	358485	572379	21.01%	1.479%
14	14.321	1900	1910	1917	rBV2	340774	522833	19.19%	1.351%
15	14.545	1941	1948	1955	rBV2	85185	144218	5.29%	0.373%
16	14.939	2006	2015	2021	rBV2	45379	85192	3.13%	0.220%
17	15.321	2074	2080	2085	rVV	476469	673872	24.74%	1.741%
18	15.457	2098	2103	2107	rBV2	77282	118263	4.34%	0.306%
19	16.051	2197	2204	2210	rBV4	81242	152133	5.58%	0.393%
20	16.427	2264	2268	2274	rVB2	56562	85670	3.14%	0.221%
21	16.727	2315	2319	2326	rVB2	58682	91796	3.37%	0.237%
22	16.892	2343	2347	2355	rVB	49464	86808	3.19%	0.224%
23	17.074	2372	2378	2381	rBV	426625	606561	22.27%	1.567%
24	17.115	2381	2385	2390	rVB	744114	1021396	37.49%	2.639%
25	17.174	2390	2395	2398	rBV	503586	714435	26.23%	1.846%
26	17.204	2398	2400	2405	rVB	154440	195348	7.17%	0.505%
27	17.268	2405	2411	2416	rBV2	55153	115890	4.25%	0.299%
28	17.656	2470	2477	2484	rVB3	87459	147340	5.41%	0.381%
29	17.951	2521	2527	2531	rVV	332713	491355	18.04%	1.270%
30	17.998	2531	2535	2541	rVB	403161	568817	20.88%	1.470%
31	18.080	2544	2549	2554	rBV2	110907	177765	6.53%	0.459%
32	18.145	2554	2560	2564	rVV2	471194	903194	33.16%	2.334%
33	18.180	2564	2566	2572	rVB	312664	406552	14.92%	1.051%
34	18.268	2576	2581	2584	rBV3	60447	87275	3.20%	0.226%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004013.D
Acq On : 14 Jan 2016 14:50
Operator : SJ/UM
Sample : H1098-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC962

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	18.351	2591	2595	2599	rVB2	64579	90364	3.32%	0.234%
36	18.456	2608	2613	2617	rVV	186548	284462	10.44%	0.735%
37	18.503	2617	2621	2631	rVB2	169644	277700	10.19%	0.718%
38	18.674	2646	2650	2652	rBV	72495	98896	3.63%	0.256%
39	18.703	2652	2655	2659	rVV	135459	202701	7.44%	0.524%
40	18.756	2660	2664	2667	rVV	140027	201797	7.41%	0.521%
41	18.792	2667	2670	2674	rVB2	93771	129383	4.75%	0.334%
42	18.880	2679	2685	2690	rBV	417789	727470	26.70%	1.880%
43	18.939	2690	2695	2698	rVV2	214864	438506	16.10%	1.133%
44	18.968	2698	2700	2704	rVB	131231	156336	5.74%	0.404%
45	19.021	2704	2709	2722	rBV3	223920	581616	21.35%	1.503%
46	19.145	2722	2730	2736	rVB	1443754	2000241	73.43%	5.169%
47	19.209	2737	2741	2744	rBV	100900	135399	4.97%	0.350%
48	19.245	2744	2747	2751	rVB3	116673	150996	5.54%	0.390%
49	19.350	2760	2765	2768	rBV2	83416	118353	4.34%	0.306%
50	19.392	2768	2772	2775	rVV2	97048	124392	4.57%	0.321%
51	19.486	2782	2788	2789	rBV3	685203	983426	36.10%	2.541%
52	19.515	2789	2793	2800	rVB	1818869	2724119	100.00%	7.039%
53	19.586	2800	2805	2811	rVB3	187181	306982	11.27%	0.793%
54	19.750	2829	2833	2838	rVB3	130463	216004	7.93%	0.558%
55	19.839	2842	2848	2858	rBV6	256224	681522	25.02%	1.761%
56	19.927	2859	2863	2866	rBV2	82588	106115	3.90%	0.274%
57	19.974	2866	2871	2873	rBV3	211404	325967	11.97%	0.842%
58	20.009	2874	2877	2882	rVB2	362431	486165	17.85%	1.256%
59	20.109	2891	2894	2899	rVB	179719	218306	8.01%	0.564%
60	20.168	2899	2904	2909	rBV	382082	506003	18.57%	1.308%
61	20.309	2924	2928	2932	rBV	357468	462931	16.99%	1.196%
62	20.356	2932	2936	2940	rVB	325539	417943	15.34%	1.080%
63	20.474	2952	2956	2960	rVB2	75494	113545	4.17%	0.293%
64	20.603	2975	2978	2981	rBV2	68569	96733	3.55%	0.250%
65	20.727	2995	2999	3001	rVV3	70900	111173	4.08%	0.287%
66	20.762	3002	3005	3011	rVB	246313	391189	14.36%	1.011%
67	20.850	3017	3020	3026	rVB	83458	102792	3.77%	0.266%
68	20.933	3026	3034	3037	rBV5	220201	492036	18.06%	1.271%
69	20.968	3037	3040	3043	rVV	219193	290920	10.68%	0.752%
70	21.003	3043	3046	3051	rVV2	193794	343684	12.62%	0.888%
71	21.062	3052	3056	3062	rVB2	169478	278511	10.22%	0.720%

LSC Area Percent Report

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Data File : BM004013.D
Acq On : 14 Jan 2016 14:50
Operator : SJ/UM
Sample : H1098-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC962

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	21.168	3072	3074	3083	rVB3	53862	98049	3.60%	0.253%
73	21.274	3086	3092	3097	rVV2	891913	1924124	70.63%	4.972%
74	21.321	3097	3100	3110	rVB	913727	1312668	48.19%	3.392%
75	21.403	3110	3114	3117	rBV2	91089	124788	4.58%	0.322%
76	21.439	3117	3120	3126	rVV2	145617	243536	8.94%	0.629%
77	21.497	3127	3130	3143	rVB8	105484	323942	11.89%	0.837%
78	21.644	3152	3155	3159	rBV2	86601	107490	3.95%	0.278%
79	21.780	3175	3178	3181	rBV	88322	115743	4.25%	0.299%
80	21.839	3181	3188	3191	rVV	335602	582750	21.39%	1.506%
81	21.886	3193	3196	3202	rVB	191505	273211	10.03%	0.706%
82	21.950	3204	3207	3210	rVV2	79385	104374	3.83%	0.270%
83	22.033	3217	3221	3224	rBV	192299	254578	9.35%	0.658%
84	22.133	3234	3238	3243	rVB2	119317	188960	6.94%	0.488%
85	22.862	3356	3362	3367	rBV2	426319	1012316	37.16%	2.616%
86	23.027	3386	3390	3395	rVB	97451	156444	5.74%	0.404%
87	23.338	3436	3443	3447	rBV	352639	679475	24.94%	1.756%
88	23.386	3447	3451	3455	rVV	368391	681374	25.01%	1.761%
89	23.433	3455	3459	3466	rVV	560924	968999	35.57%	2.504%
90	23.527	3469	3475	3480	rVV	280924	555146	20.38%	1.435%
91	23.574	3480	3483	3491	rVB3	156298	332578	12.21%	0.859%
92	24.268	3595	3601	3604	rBV3	42292	94636	3.47%	0.245%
93	24.391	3618	3622	3636	rVB3	88543	269623	9.90%	0.697%
94	25.544	3813	3818	3824	rVB2	42661	88503	3.25%	0.229%
95	25.779	3849	3858	3870	rVB	271088	811190	29.78%	2.096%
96	26.038	3896	3902	3909	rBV2	49637	120340	4.42%	0.311%
97	26.132	3913	3918	3924	rVB	40111	97486	3.58%	0.252%
98	26.479	3967	3977	3994	rVB	216754	705299	25.89%	1.823%
99	26.844	4033	4039	4052	rVB2	56037	202766	7.44%	0.524%
100	27.850	4202	4210	4227	rVB6	31507	128440	4.71%	0.332%

Sum of corrected areas: 38699242

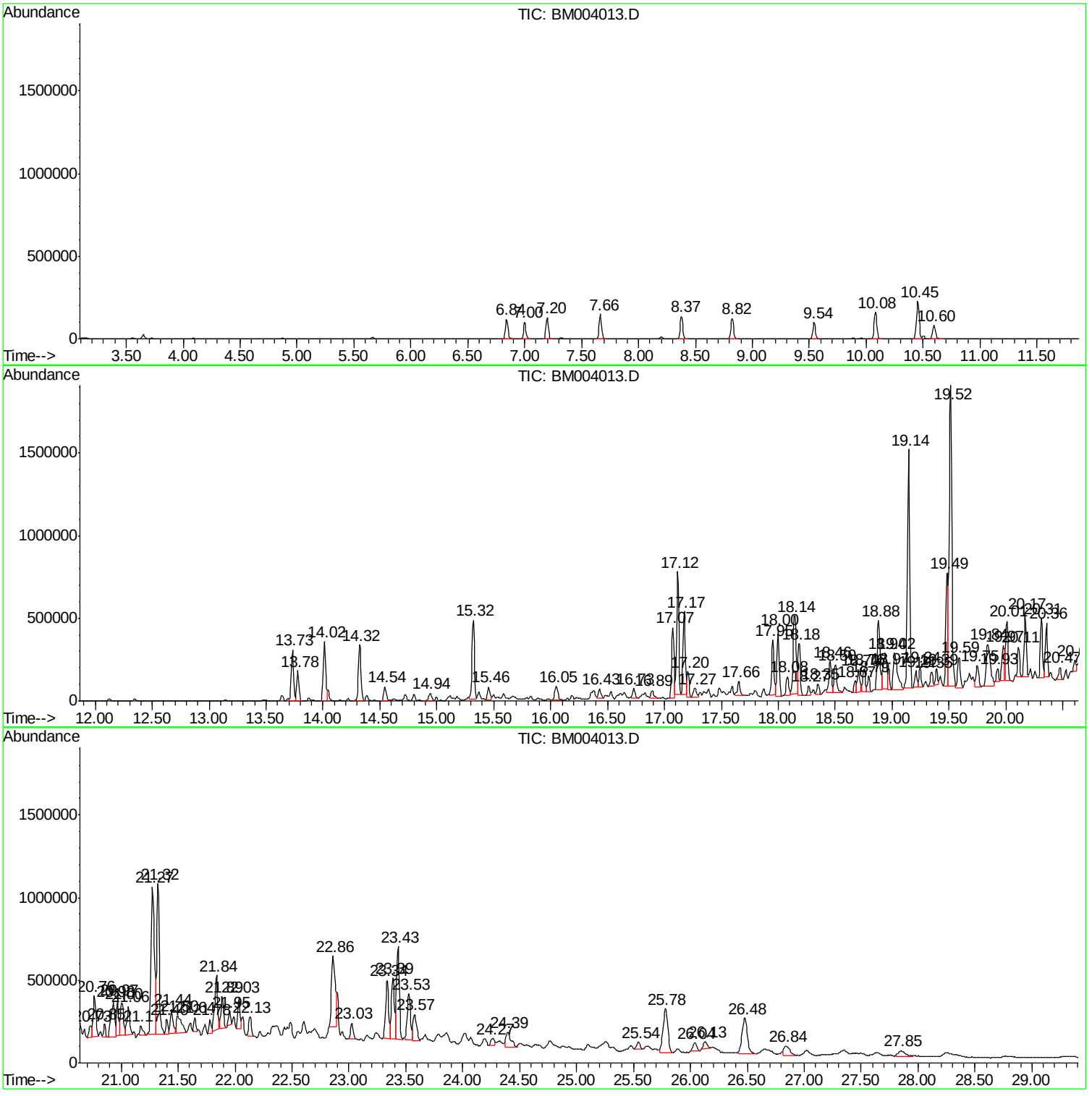
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004013.D
Acq On : 14 Jan 2016 14:50
Operator : SJ/UM
Sample : H1098-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC962

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004013.D
Acq On : 14 Jan 2016 14:50
Operator : SJ/UM
Sample : H1098-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC962

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

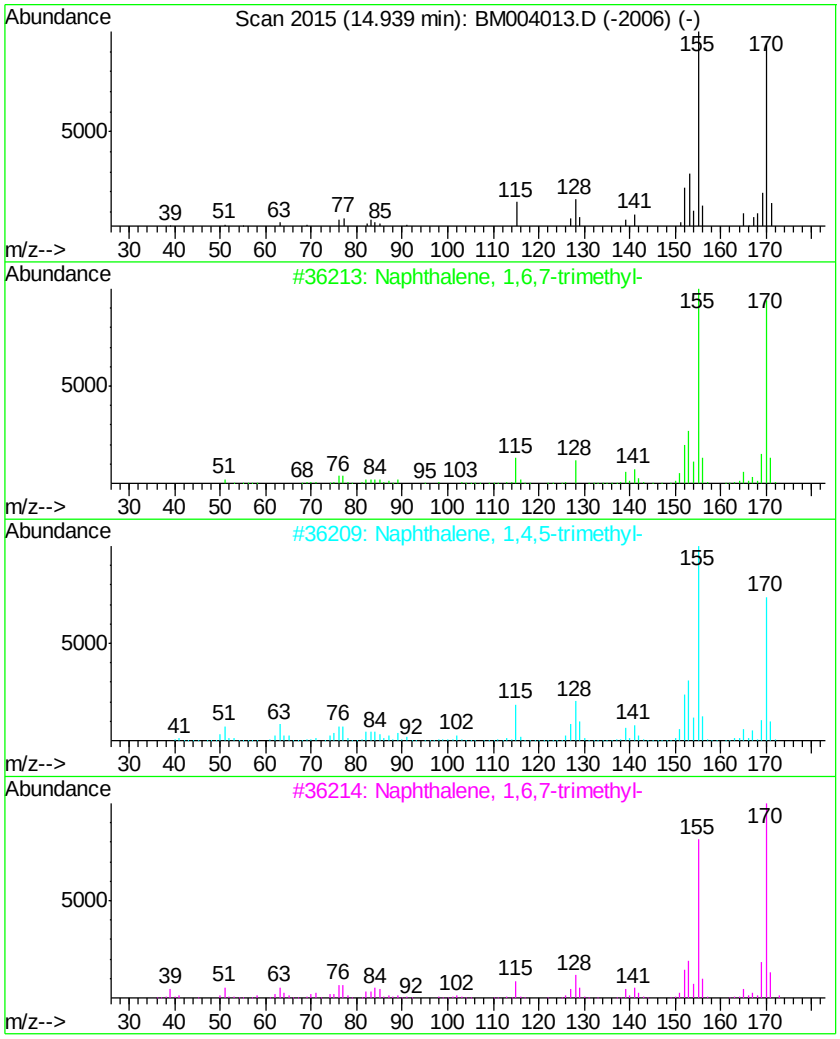
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

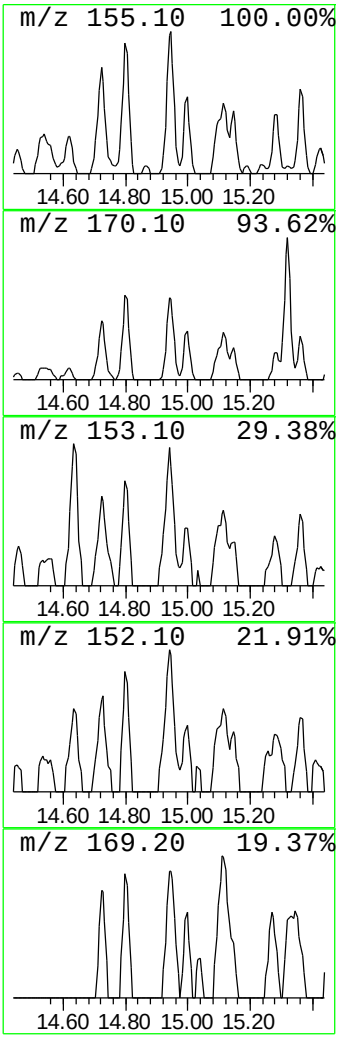
****

Peak Number 1 Naphthalene, 1,6,7-trimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	3.26 ng/ul	85192	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	97
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004013.D
Acq On : 14 Jan 2016 14:50
Operator : SJ/UM
Sample : H1098-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC962

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

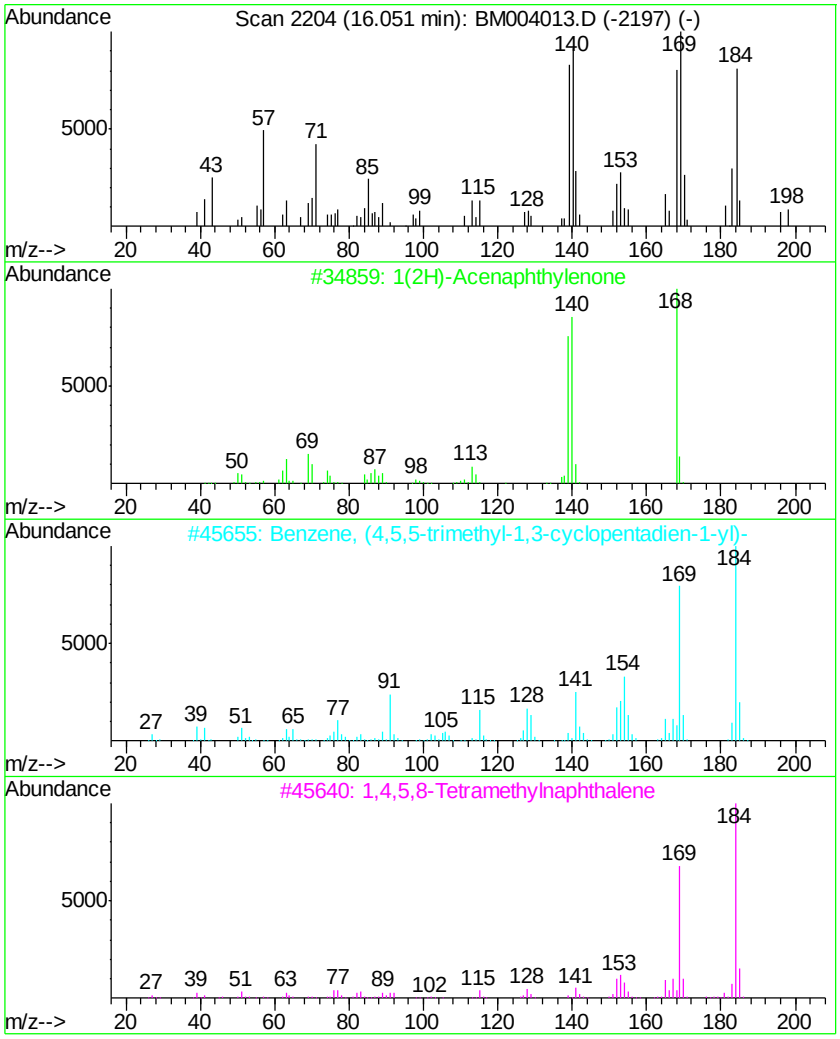
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

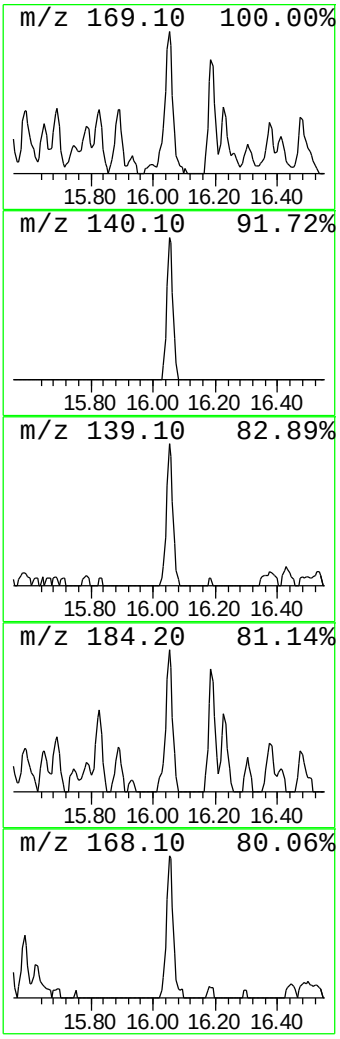
****

Peak Number 2 1(2H)-Acenaphthylenone Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	5.02 ng/ul	152133	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	50
2	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	46
3	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	41
4	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	38
5	2-Chloro-4,6-dimethylnicotinamide	184	C8H9ClN2O	140413-44-1	30





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004013.D
Acq On : 14 Jan 2016 14:50
Operator : SJ/UM
Sample : H1098-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC962

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

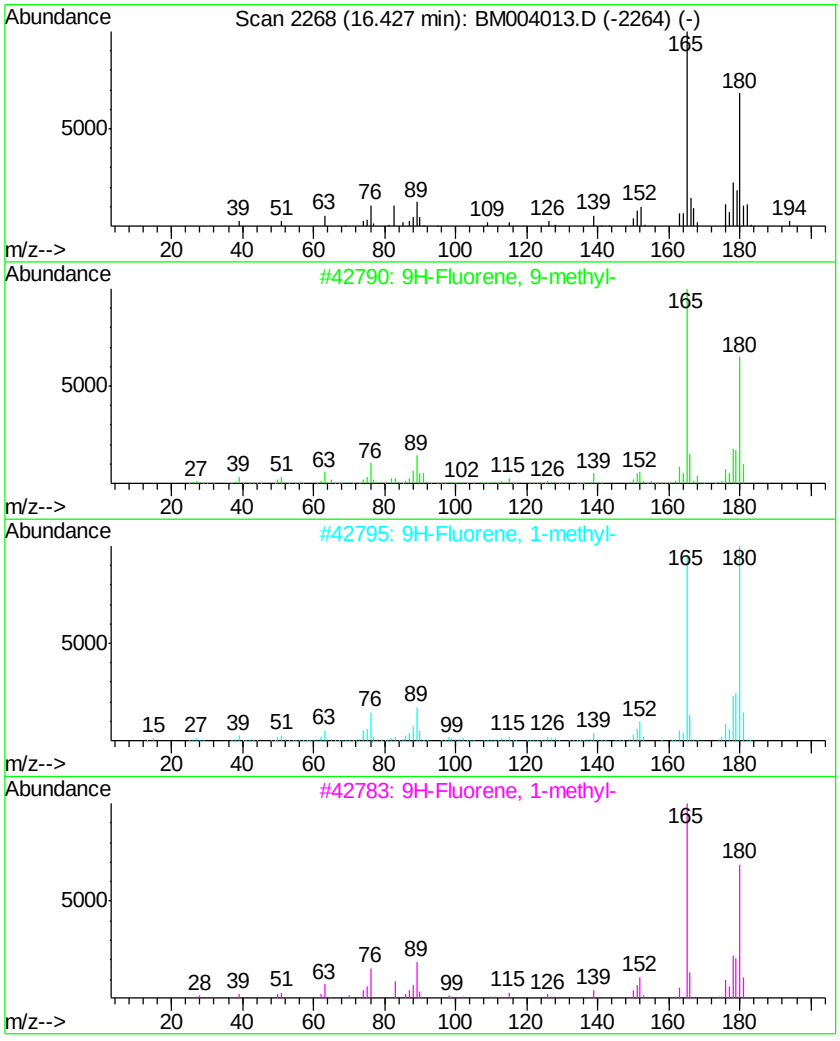
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

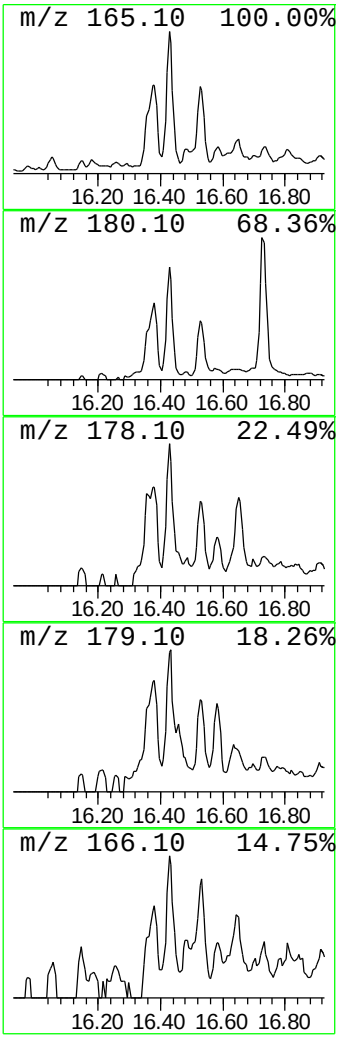
****

Peak Number 3 9H-Fluorene, 9-methyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	2.82 ng/ul	85670	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004013.D
Acq On : 14 Jan 2016 14:50
Operator : SJ/UM
Sample : H1098-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC962

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

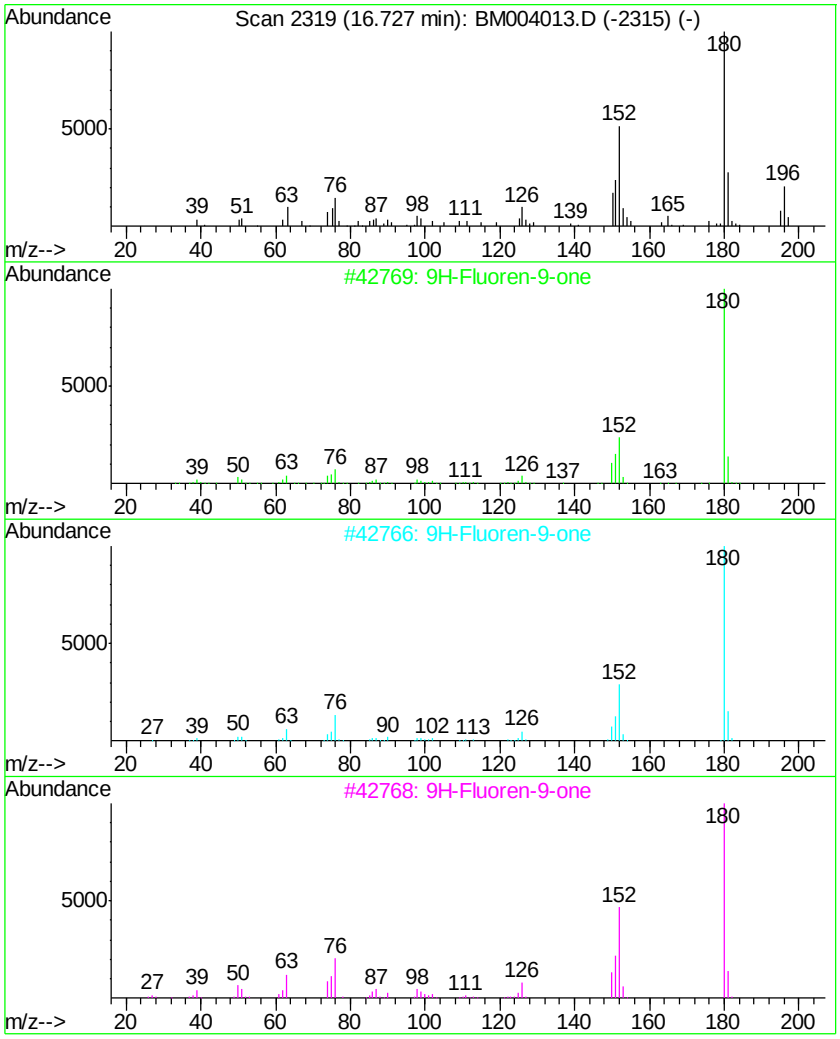
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

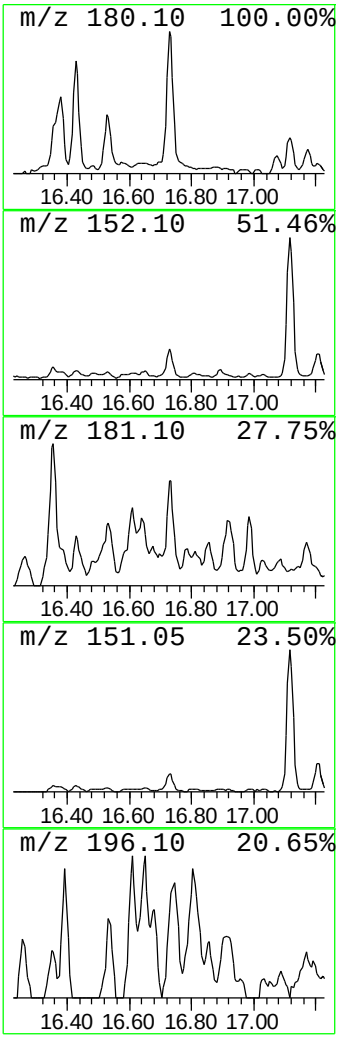
****

Peak Number 4 9H-Fluoren-9-one Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.73	3.03 ng/ul	91796	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	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	83





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004013.D
Acq On : 14 Jan 2016 14:50
Operator : SJ/UM
Sample : H1098-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC962

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

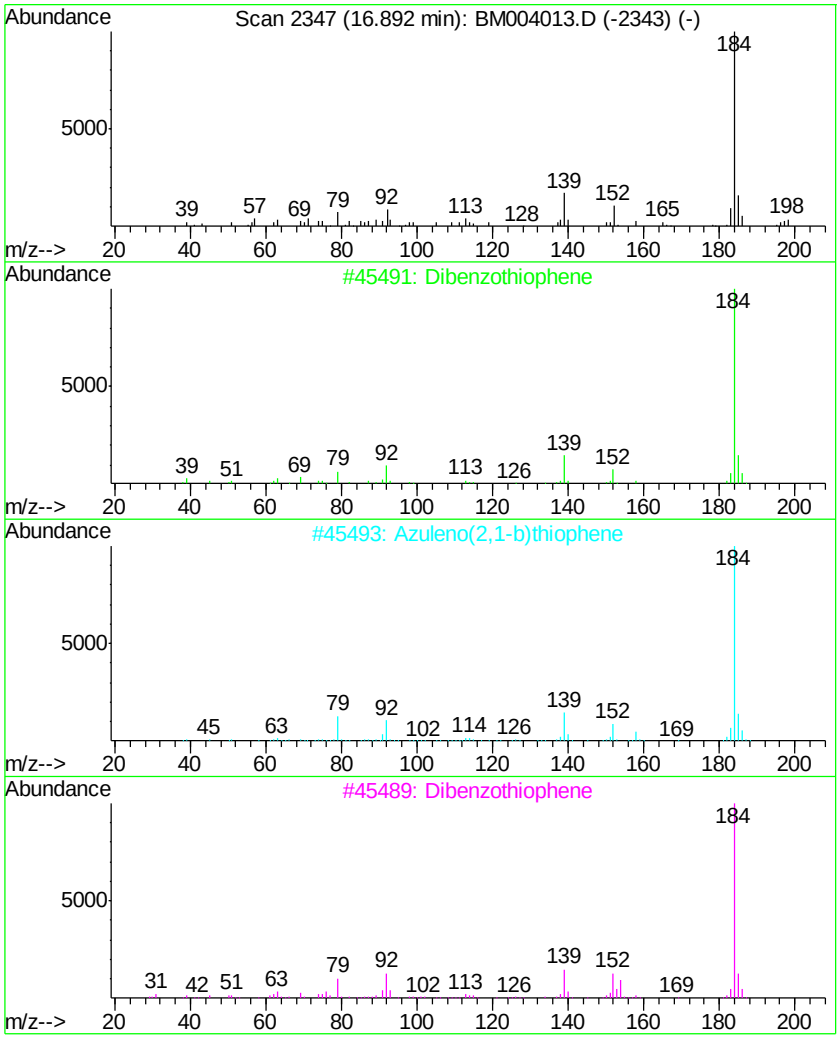
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

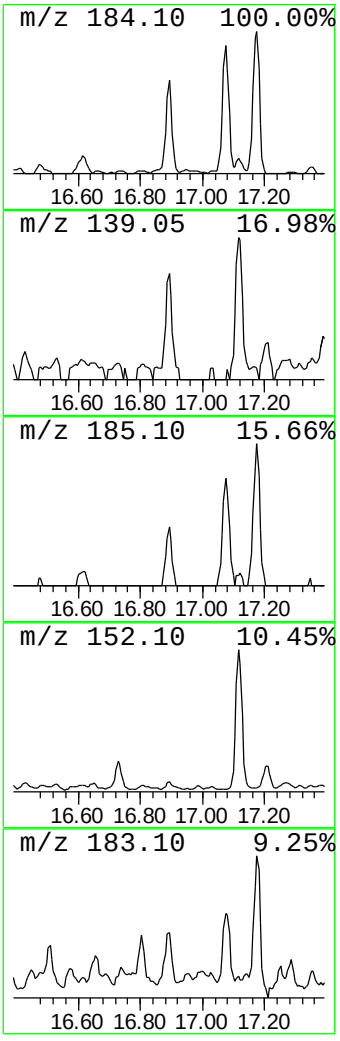
****

Peak Number 5 Dibenzothiophene Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	2.86 ng/ul	86808	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
3	Dibenzothiophene	184	C12H8S	000132-65-0	91
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91
5	Dibenzothiophene	184	C12H8S	000132-65-0	90





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Operator : SJ/UM
Sample : H1098-11
Misc :
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Instrument : BNA_M
ClientSampleId : BC962

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Quant Title : SVOA CALIBRATION

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

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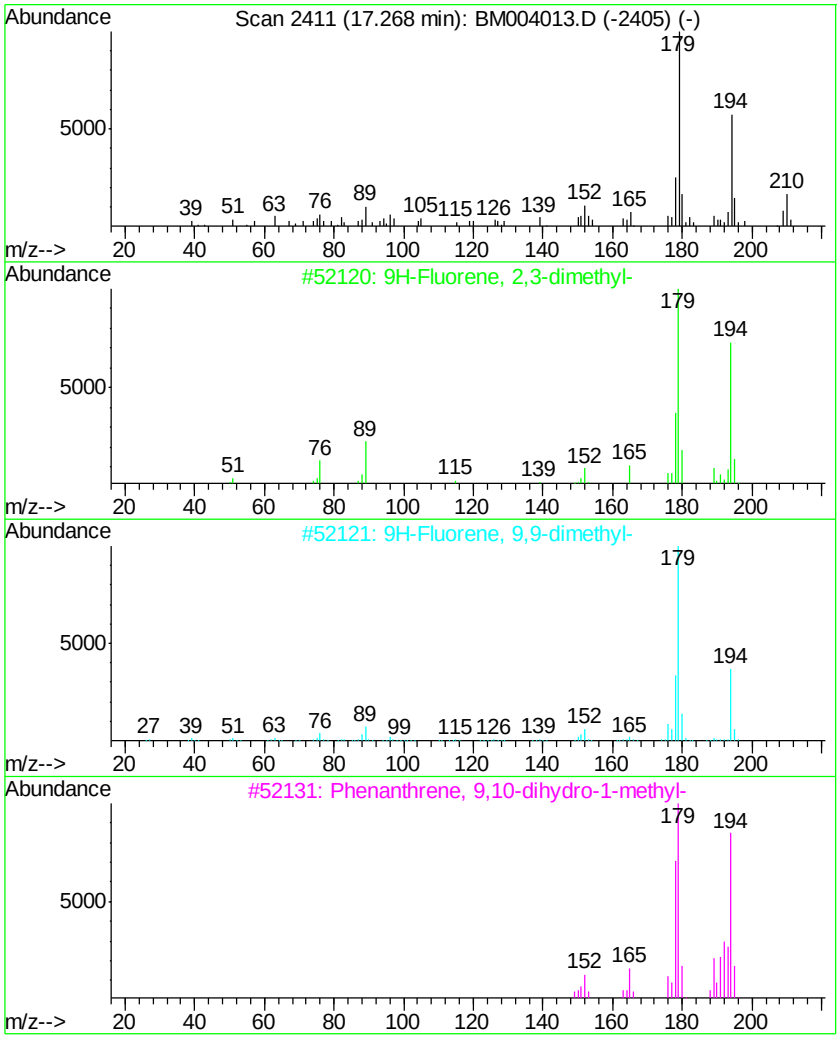
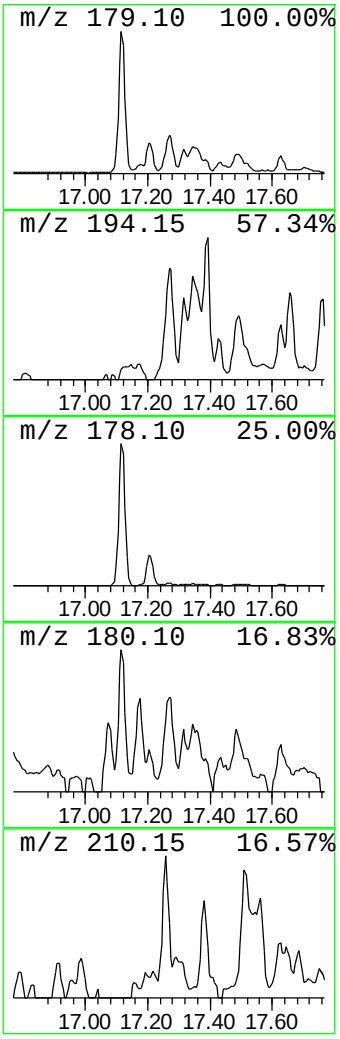
Peak Number 6 9H-Fluorene, 2,3-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.27	3.82 ng/ul	115890	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	83
2	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	72
3	Phenanthrene, 9,10-dihydro-1-met...	194	C15H14	095676-48-5	68
4	Anthracene, 9,10-dihydro-2-methyl-	194	C15H14	000948-67-4	68
5	Acridine	179	C13H9N	000260-94-6	64





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Misc :
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Instrument : BNA_M
ClientSampleId : BC962

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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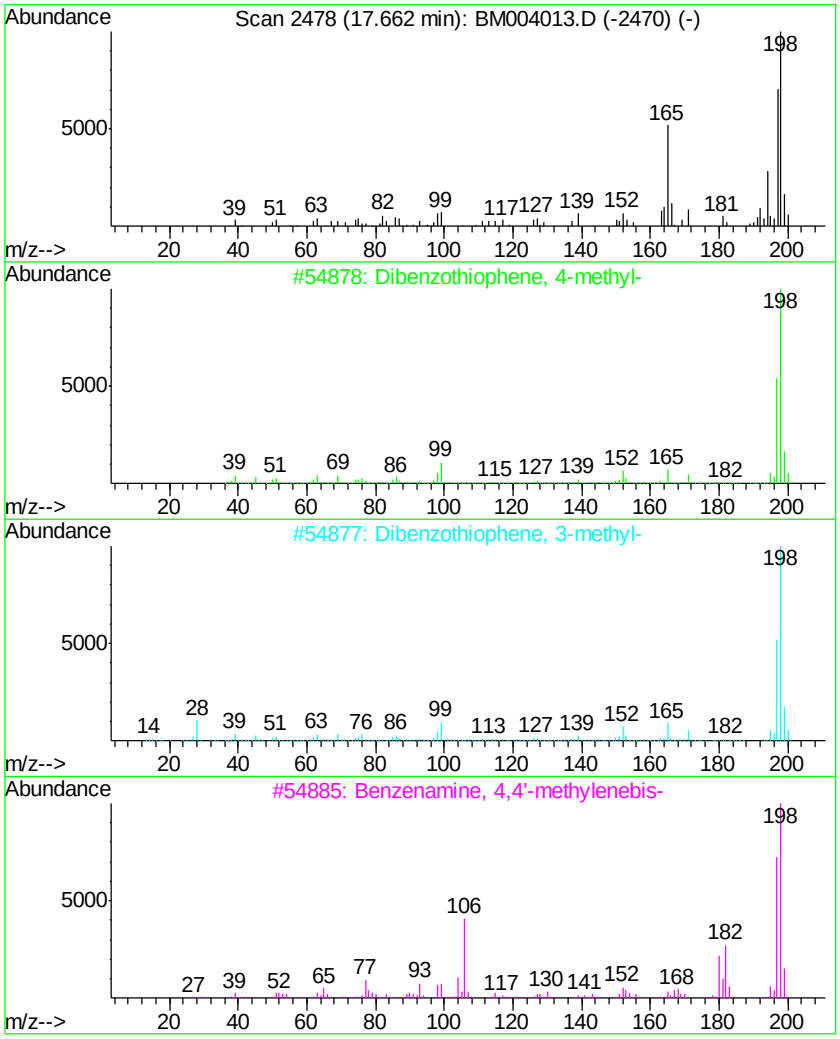
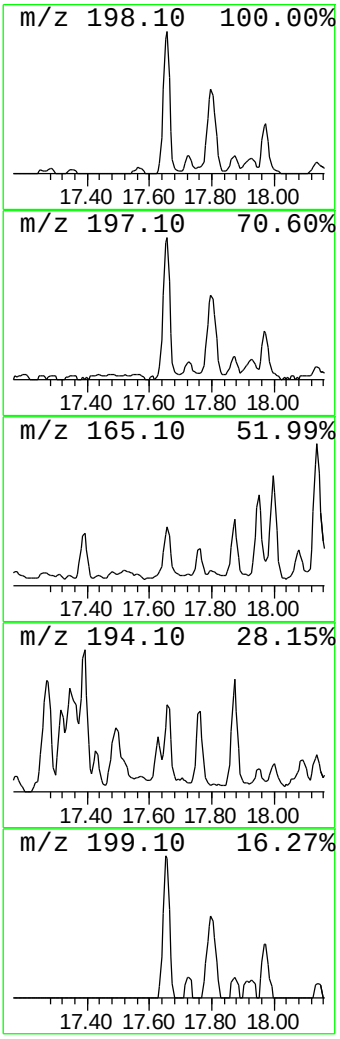
Peak Number 7 Dibenzothiophene, 4-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.66	4.86 ng/ul	147340	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	70
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	70
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	58
5	Thioxanthene	198	C13H10S	000261-31-4	58





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Quant Title : SVOA CALIBRATION

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

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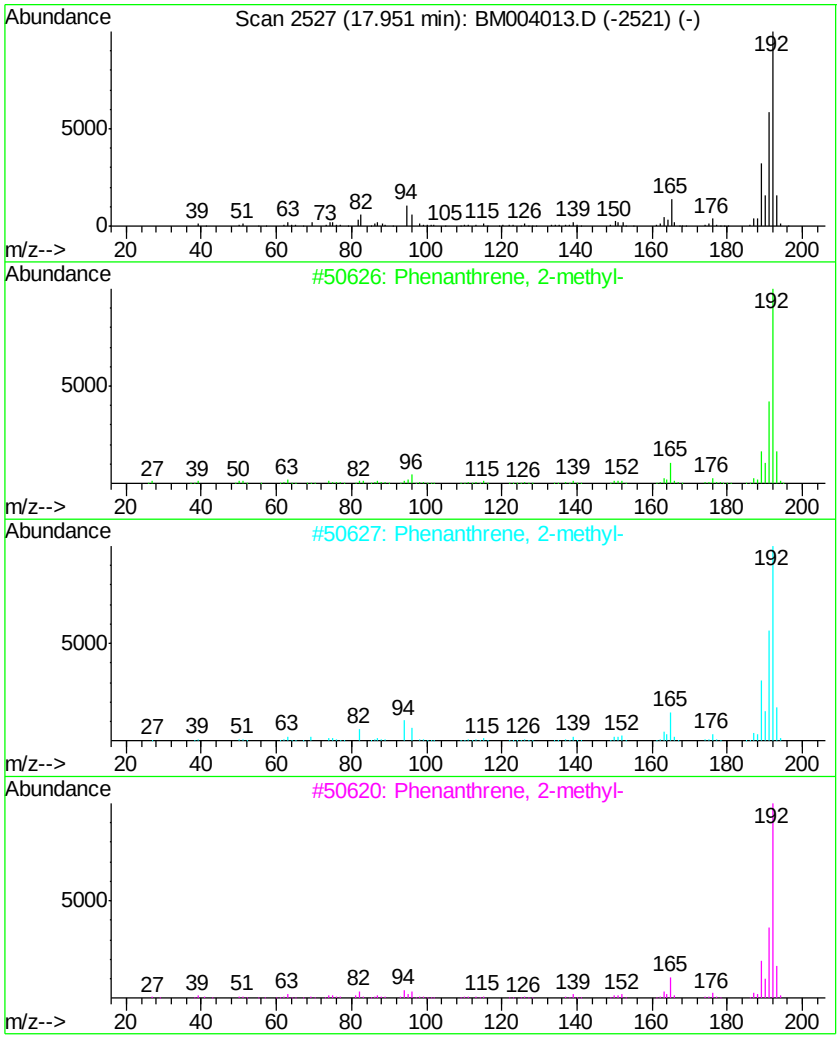
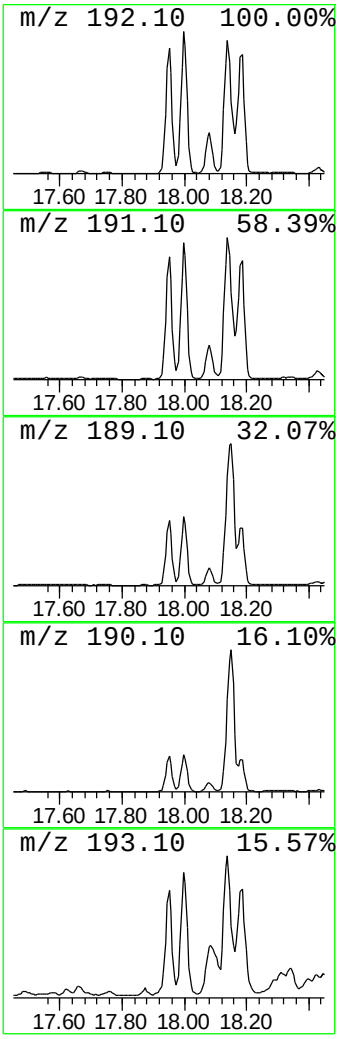
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	16.20 ng/ul	491355	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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Instrument : BNA_M
ClientSampleId : BC962

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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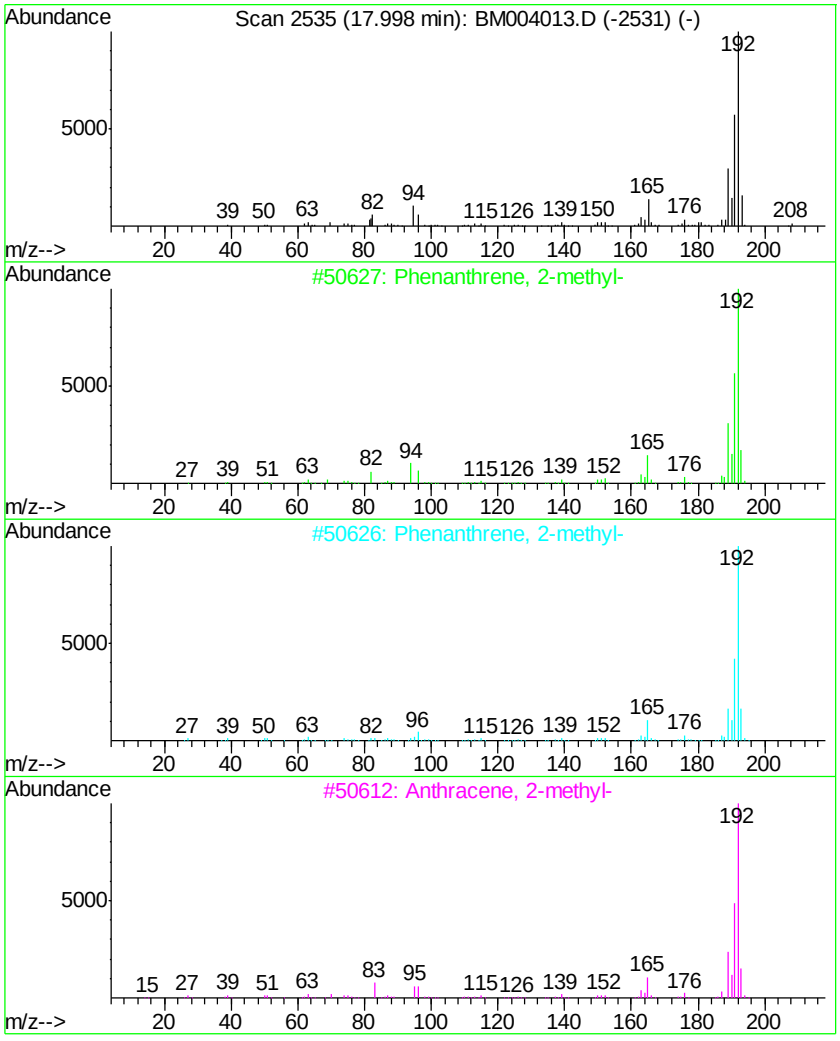
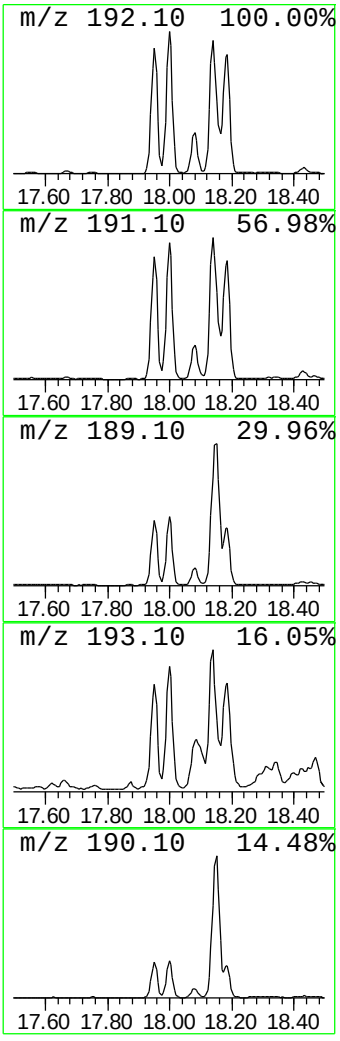
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	18.76 ng/ul	568817	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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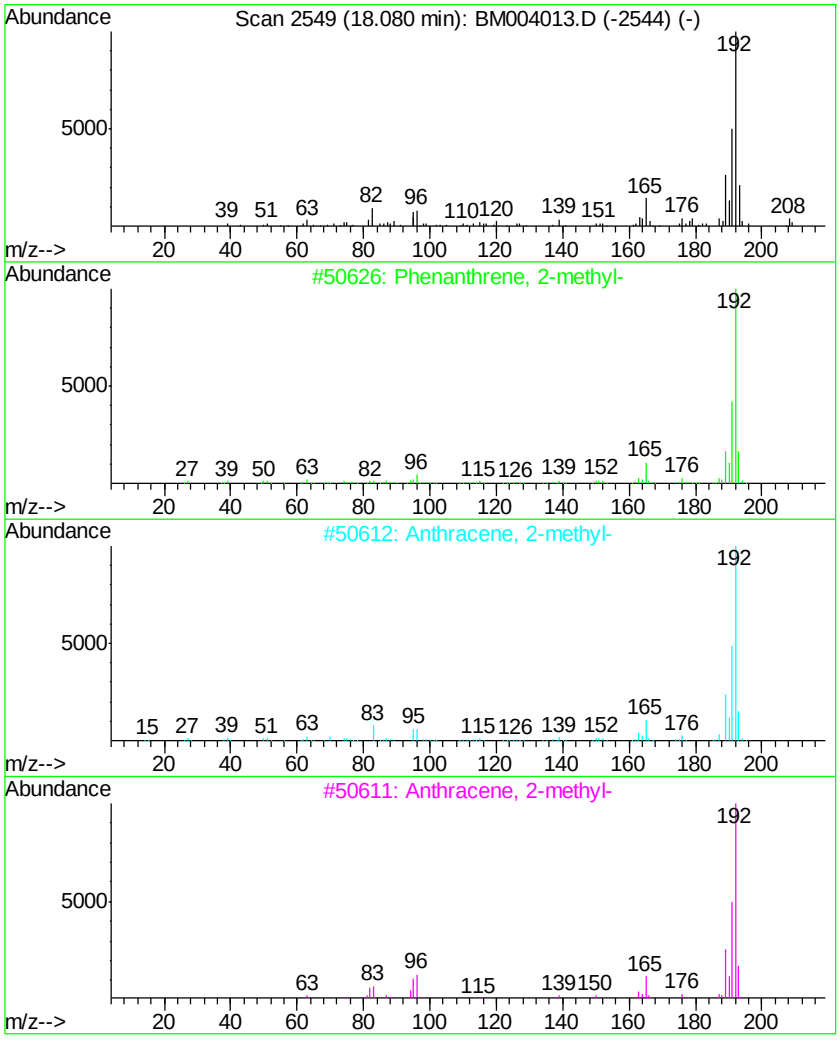
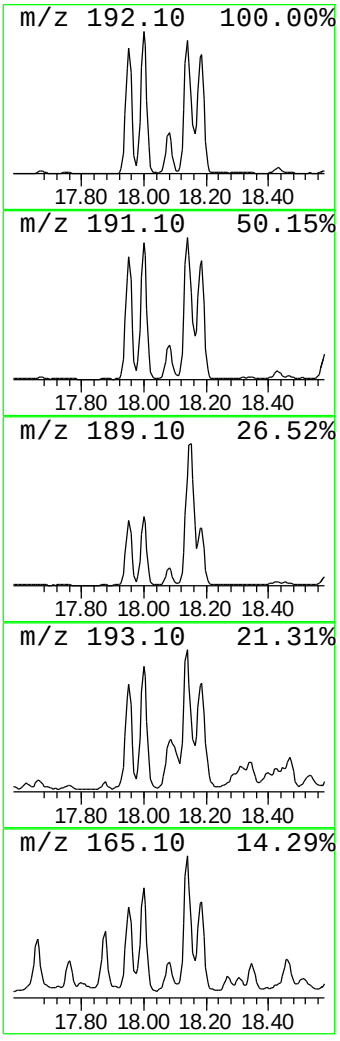
Peak Number 10 Anthracene, 9-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	5.86 ng/ul	177765	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





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Sample : H1098-11
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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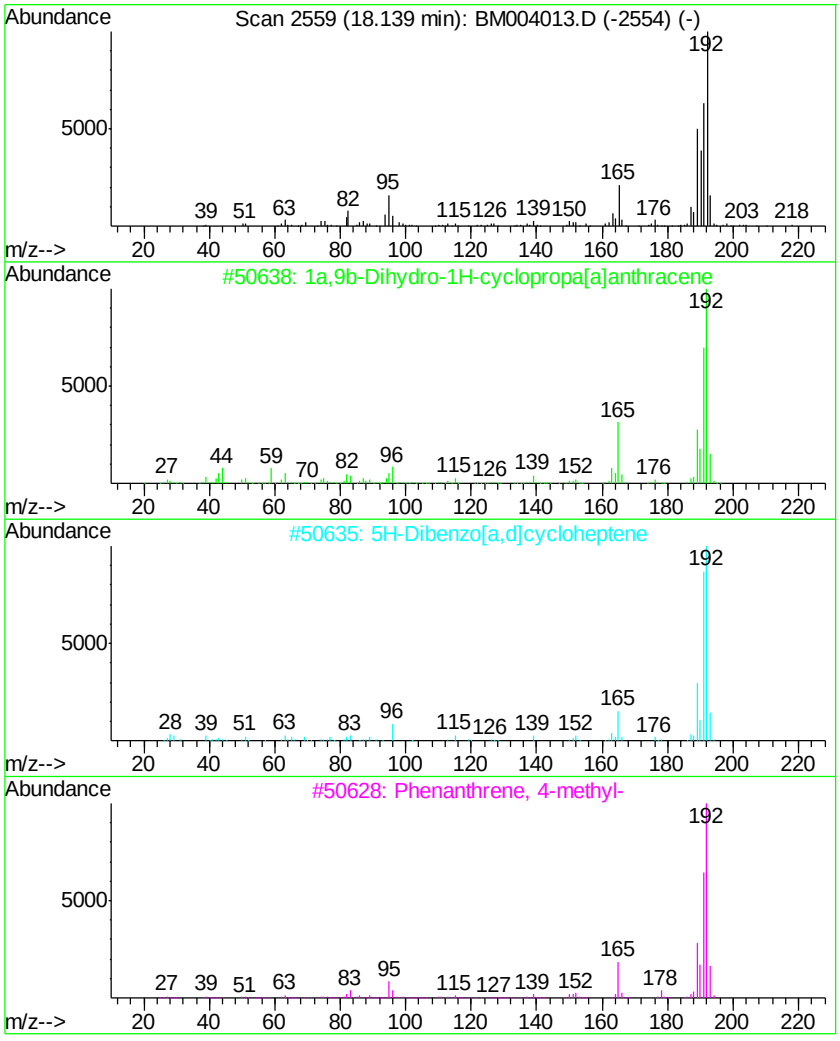
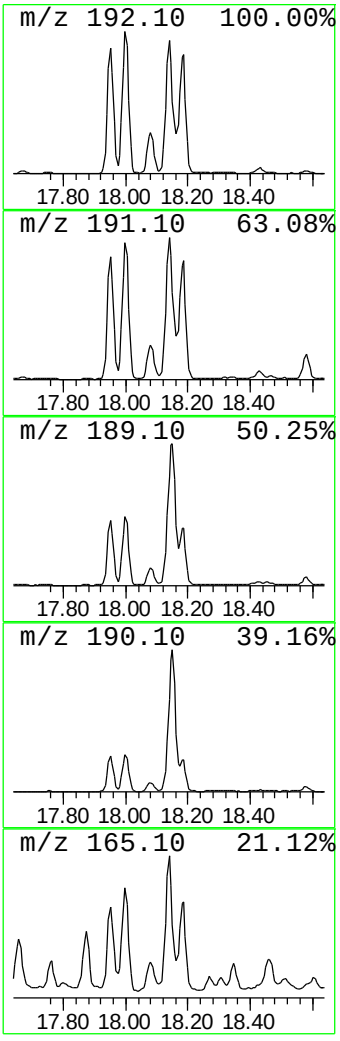
Peak Number 11 1a,9b-Dihydro-1H-cyclopropa... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	29.78 ng/ul	903194	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	50
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	50
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	50
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	46
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46





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Misc :
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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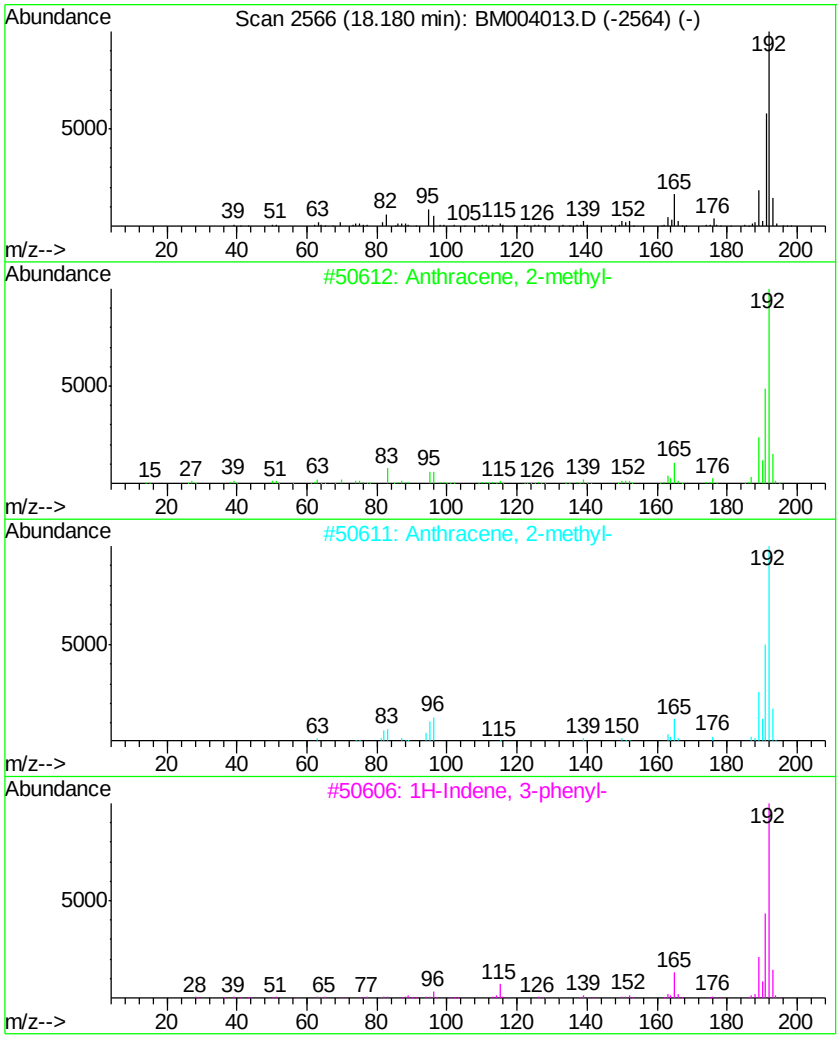
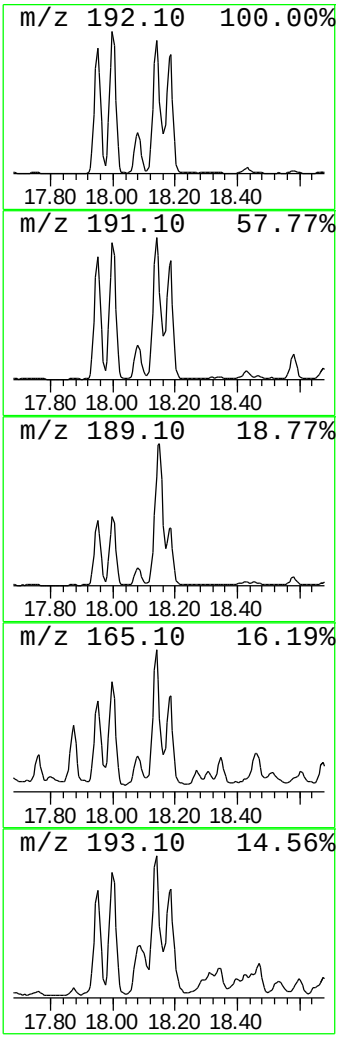
Peak Number 12 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	13.41 ng/ul	406552	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	93
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Sample : H1098-11
Misc :
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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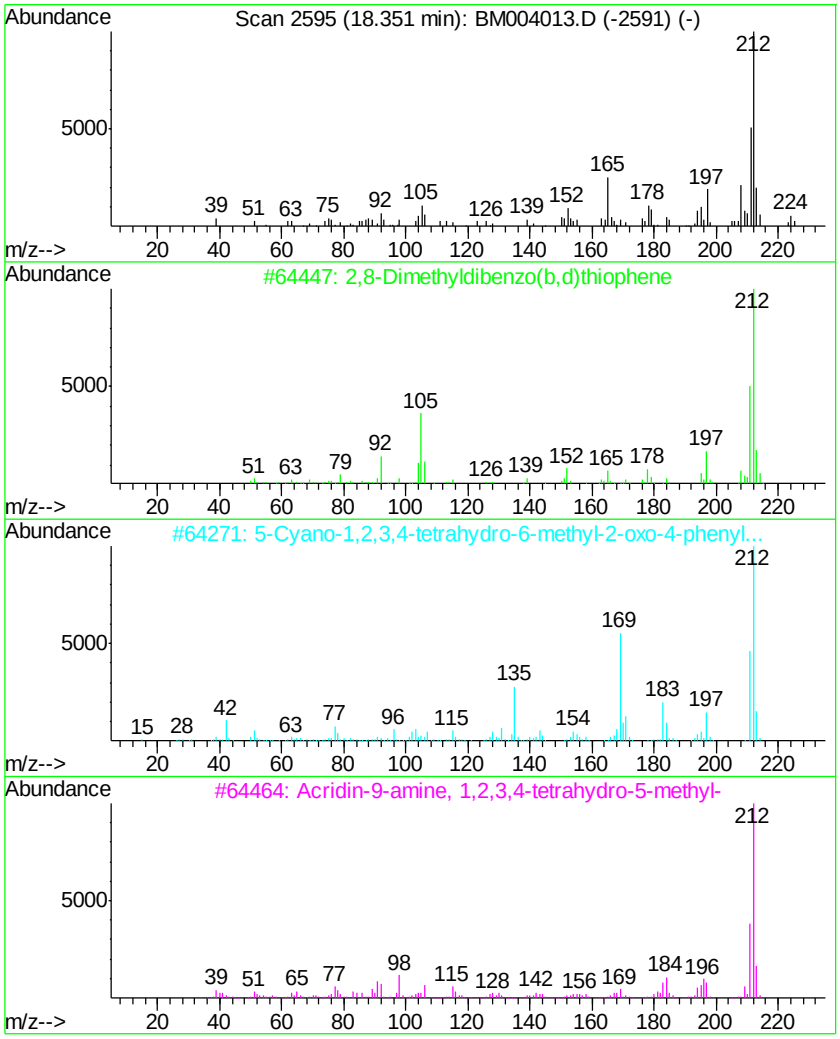
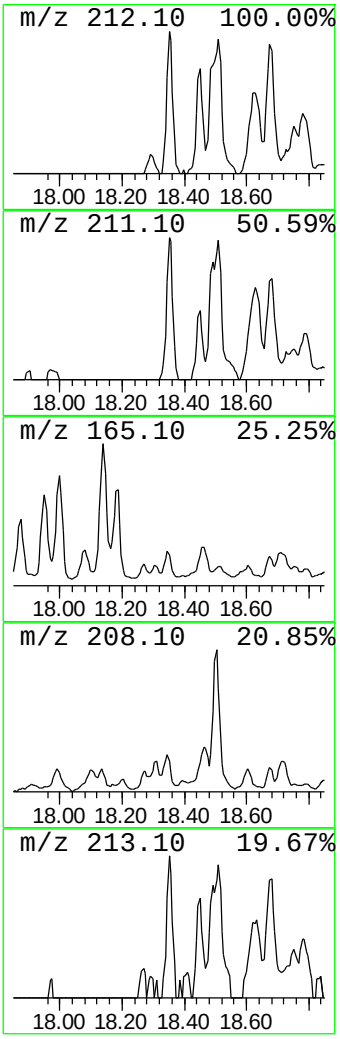
Peak Number 14 2,8-Dimethyldibenzo(b,d)thi... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	2.98 ng/ul	90364	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	90
2	5-Cyano-1,2,3,4-tetrahydro-6-met...	212	C13H12N2O	027036-92-6	64
3	Acridin-9-amine, 1,2,3,4-tetrahy...	212	C14H16N2	005778-78-9	64
4	Naphtho[2,3-b]thiophene, 4,9-dim...	212	C14H12S	016587-34-1	58
5	[1,1'-Biphenyl]-4,4'-diamine, 3,...	212	C14H16N2	000119-93-7	47





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Quant Title : SVOA CALIBRATION

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

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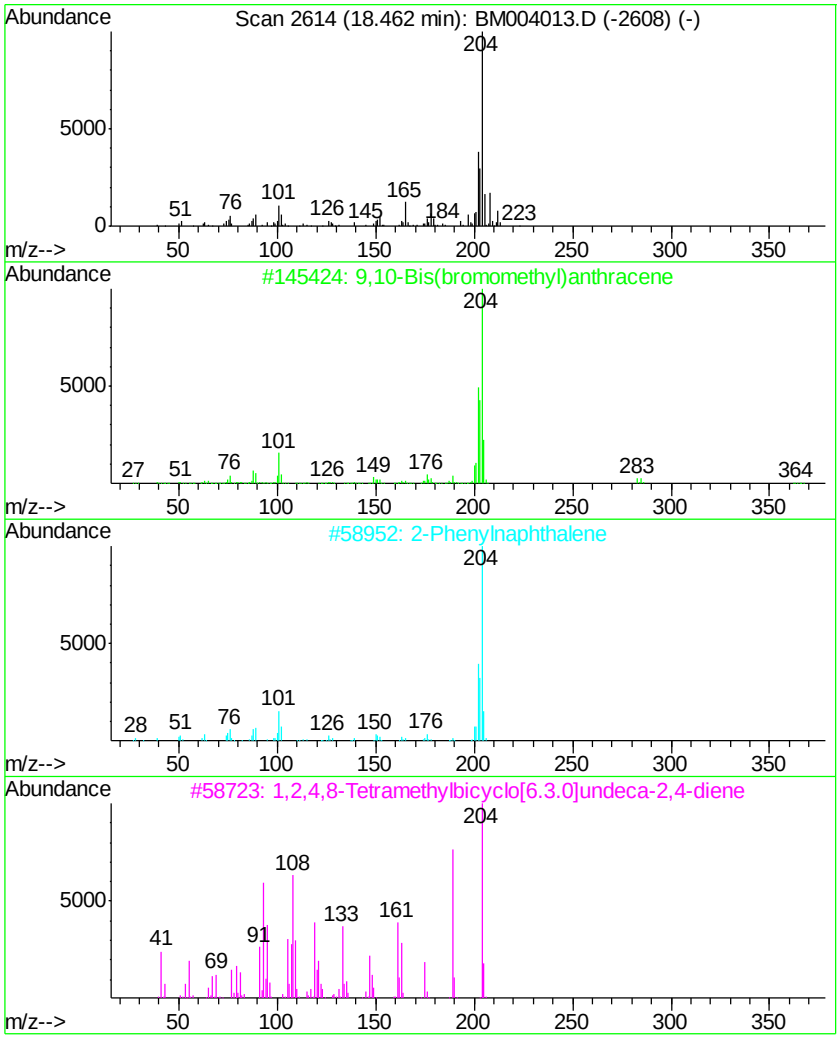
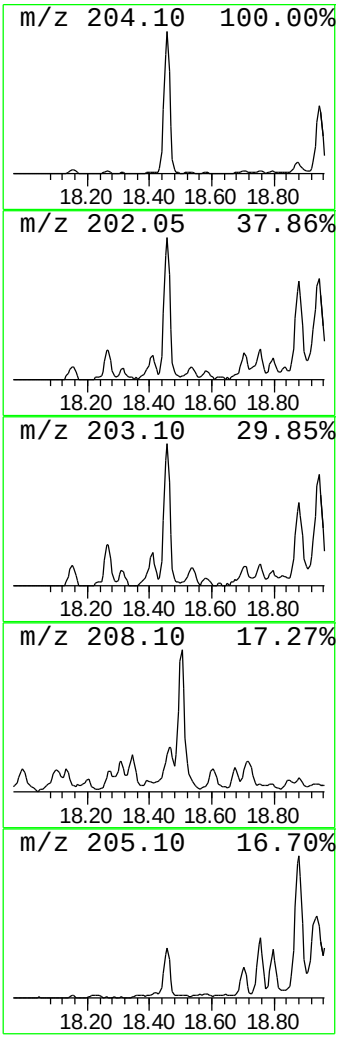
Peak Number 15 9,10-Bis(bromomethyl)anthra... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	9.38 ng/ul	284462	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	87
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	86
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





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Quant Title : SVOA CALIBRATION

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

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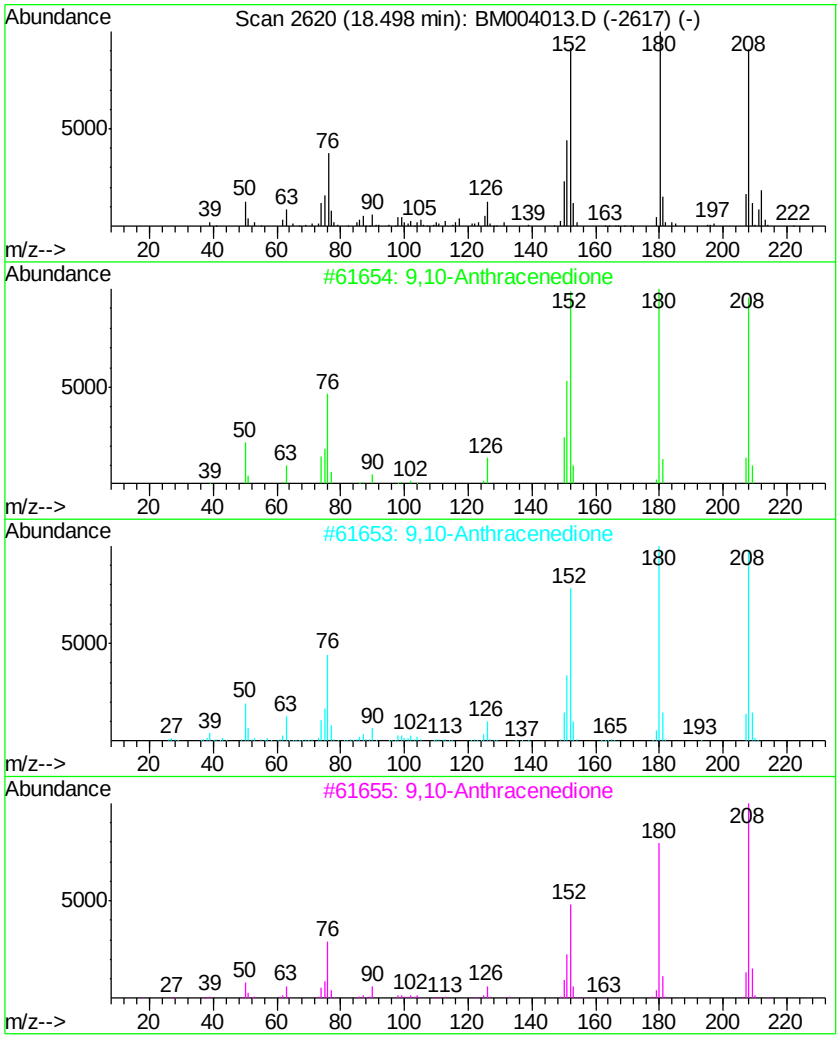
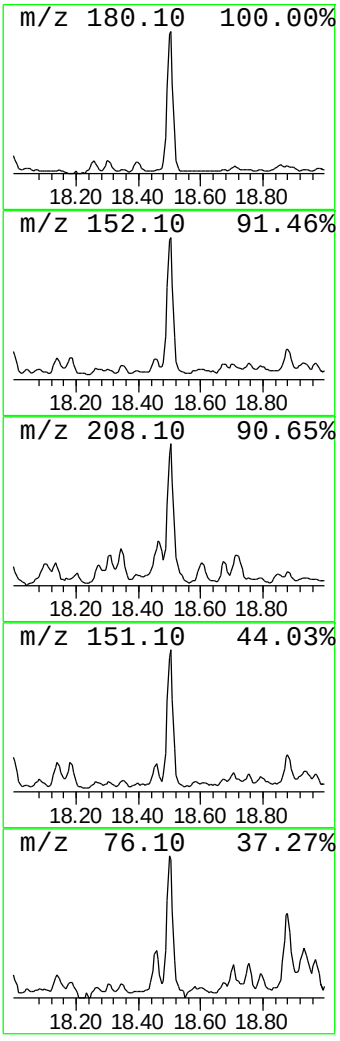
Peak Number 16 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	9.16 ng/ul	277700	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	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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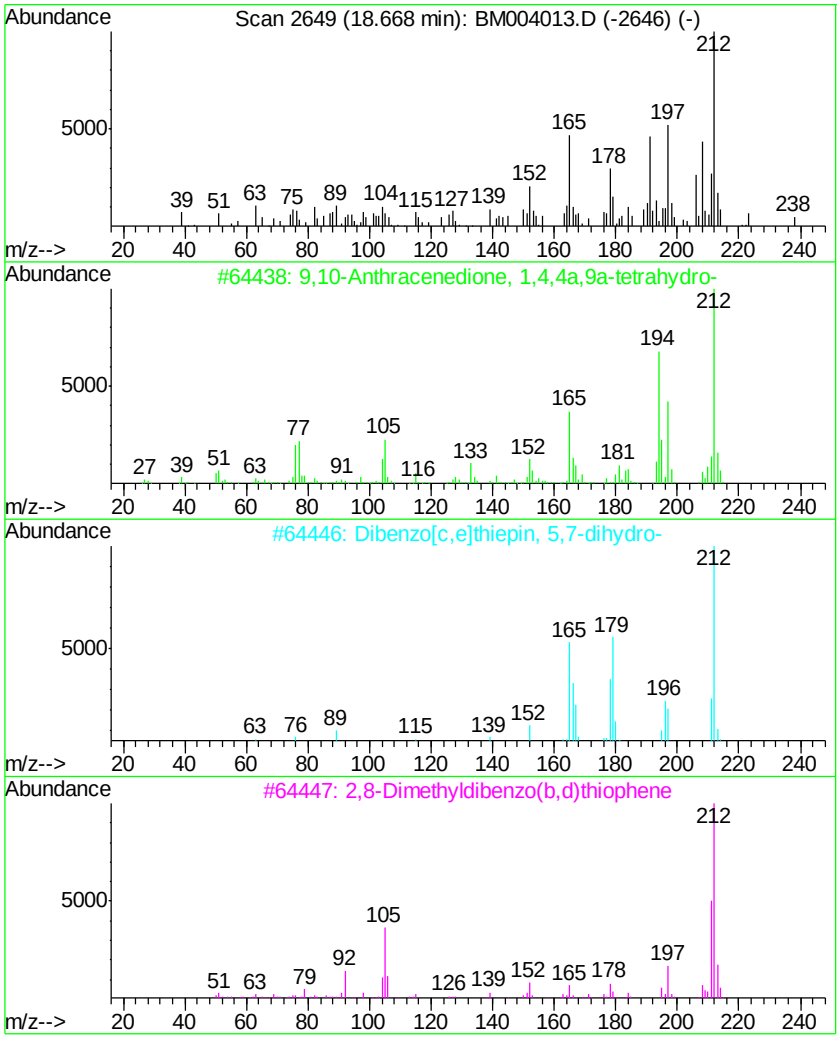
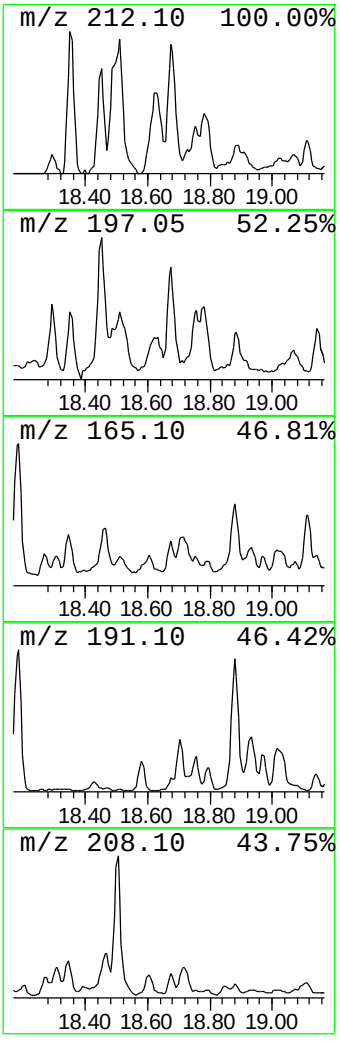
Peak Number 17 9,10-Anthracenedione, 1,4,4... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.67	3.26 ng/ul	98896	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione, 1,4,4a,9a-...	212	C14H12O2	056136-14-2	55
2	Dibenzo[c,e]thiepin, 5,7-dihydro-	212	C14H12S	006672-64-6	46
3	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	45
4	2,3,6-Trimethoxybenzoic acid	212	C10H12O5	060241-74-9	38
5	Benzoic acid, 3,4,5-trimethoxy-	212	C10H12O5	000118-41-2	30





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Sample : H1098-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC962

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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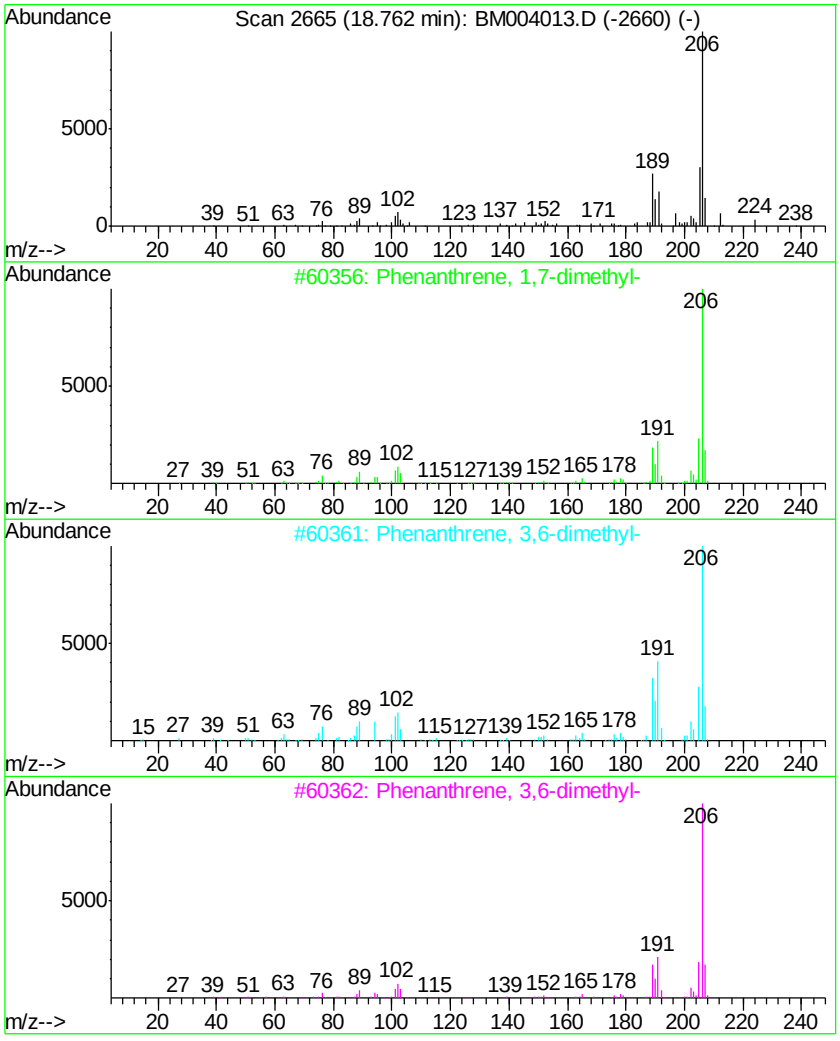
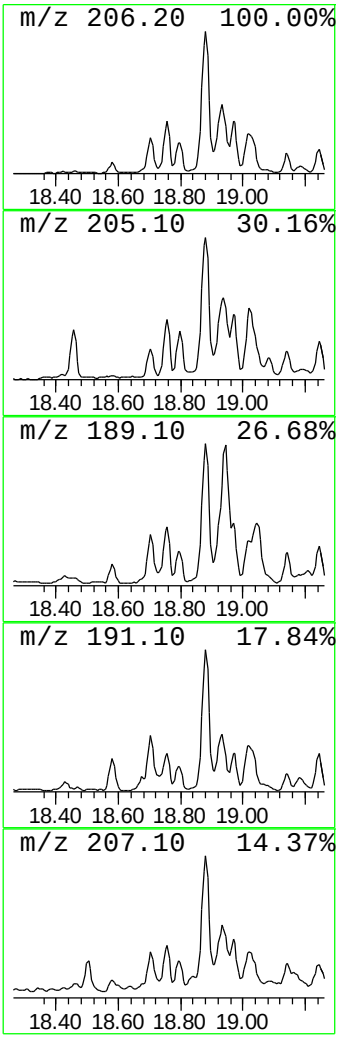
Peak Number 19 Phenanthrene, 1,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.76	6.65 ng/ul	201797	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	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87





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Data File : BM004013.D
Acq On : 14 Jan 2016 14:50
Operator : SJ/UM
Sample : H1098-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC962

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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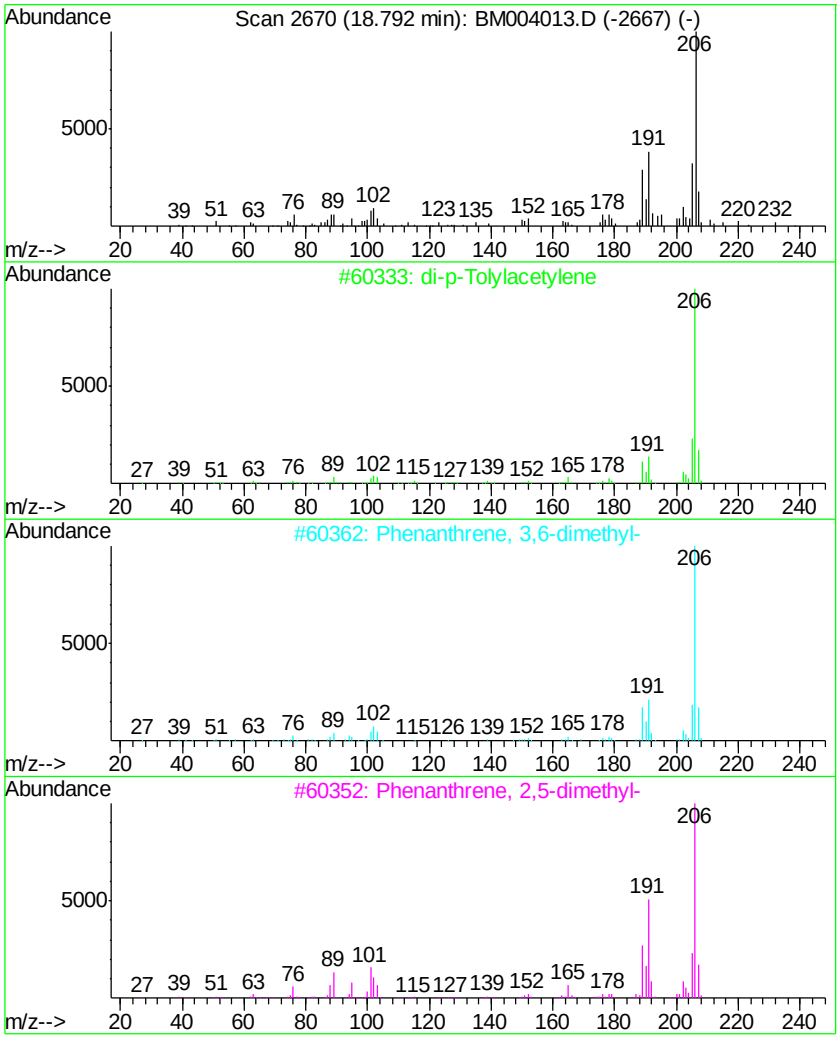
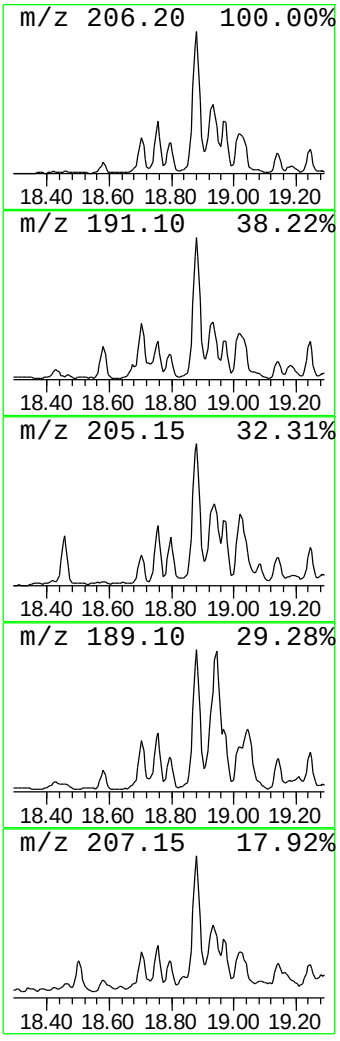
Peak Number 20 di-p-Tolylacetylene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	4.27 ng/ul	129383	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91





Library Search Compound Report

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Operator : SJ/UM
Sample : H1098-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC962

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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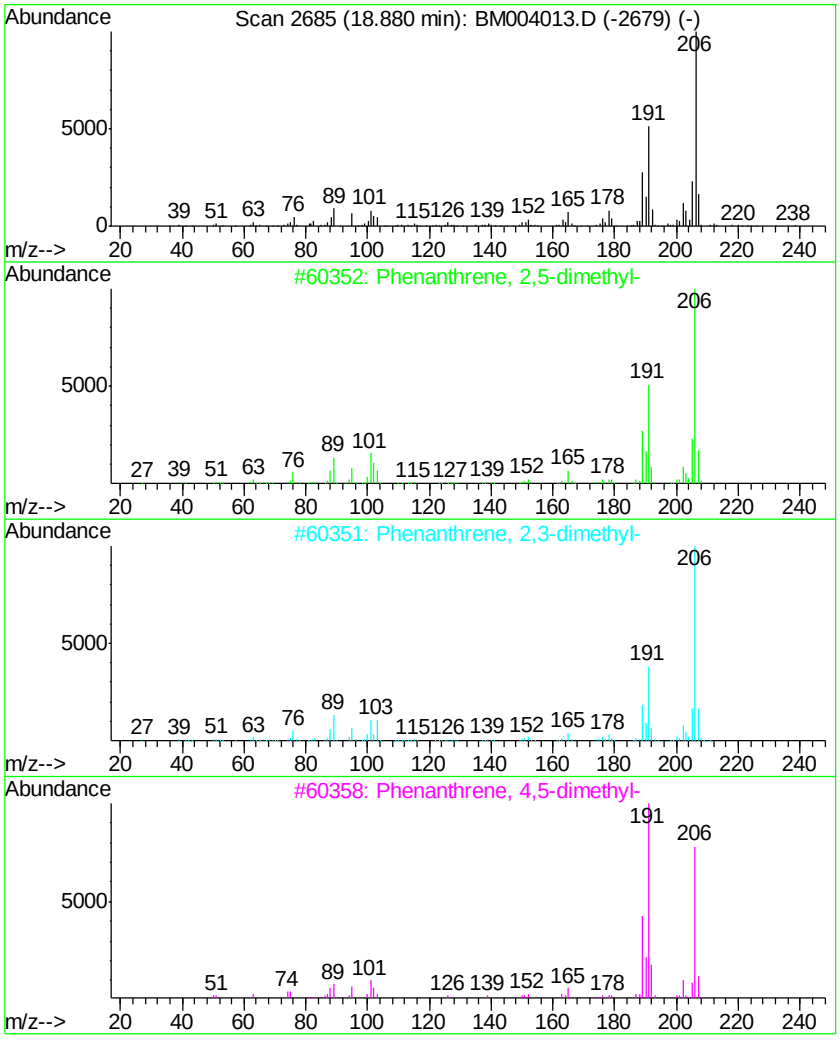
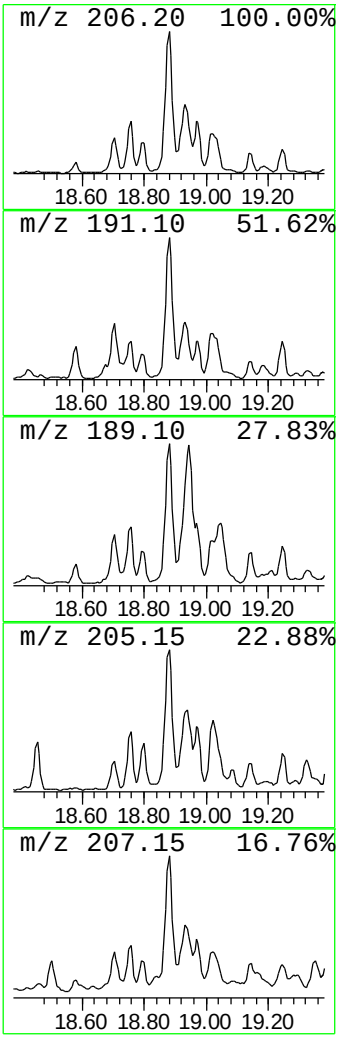
Peak Number 21 Phenanthrene, 2,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	23.99 ng/ul	727470	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, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89





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Operator : SJ/UM
Sample : H1098-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC962

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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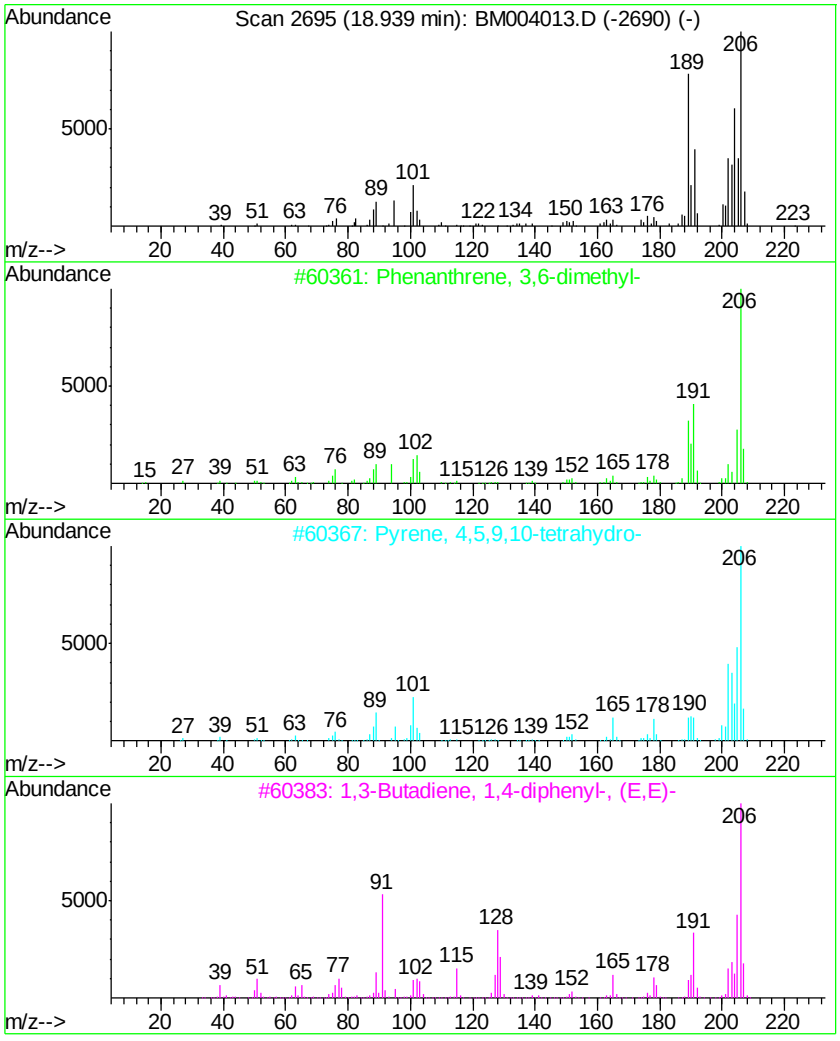
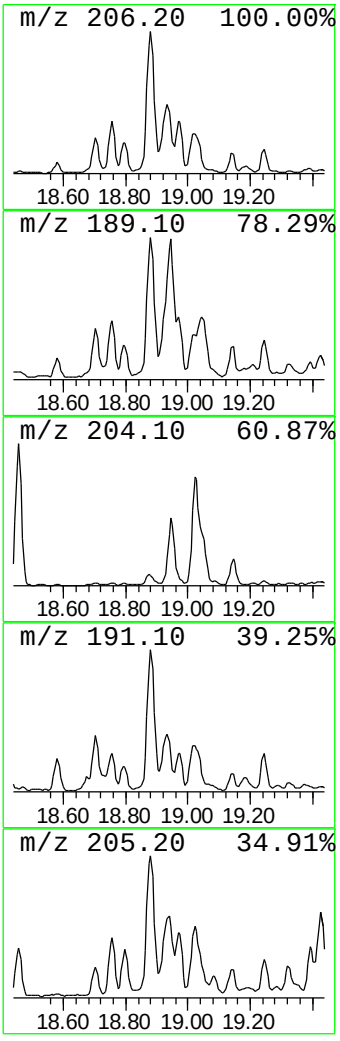
Peak Number 22 Phenanthrene, 3,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	14.46 ng/ul	438506	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	55
3	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	50
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	46
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	45





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Sample : H1098-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC962

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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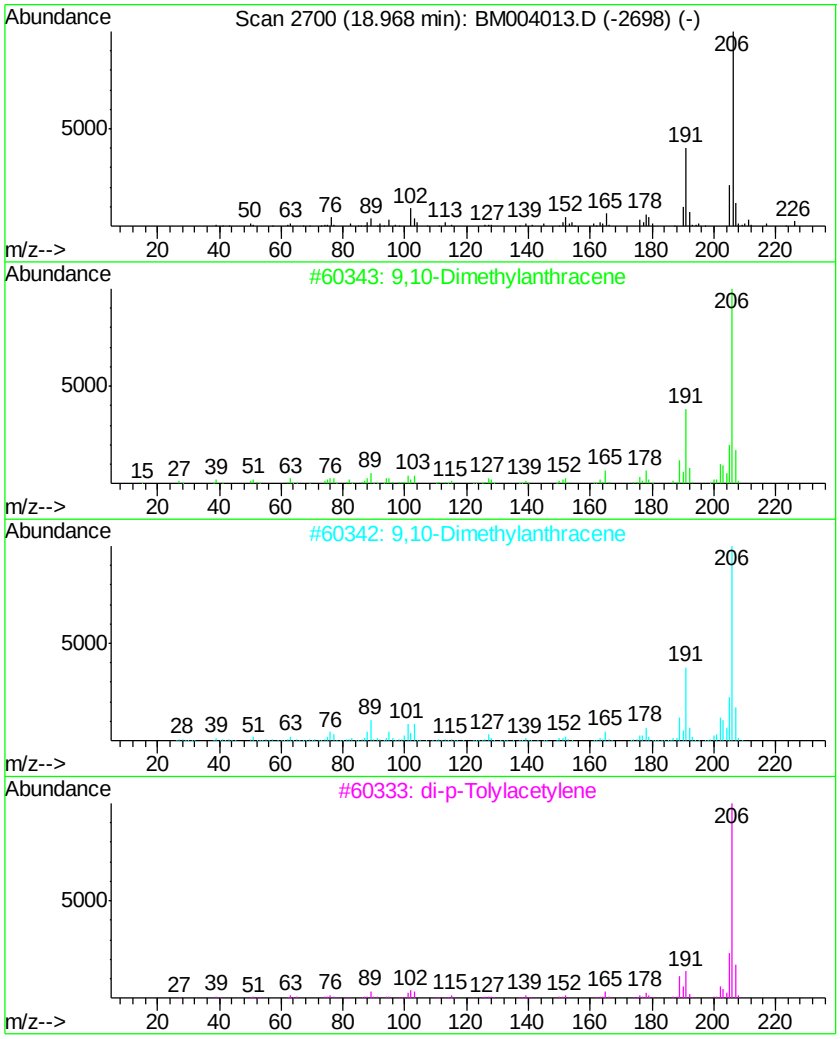
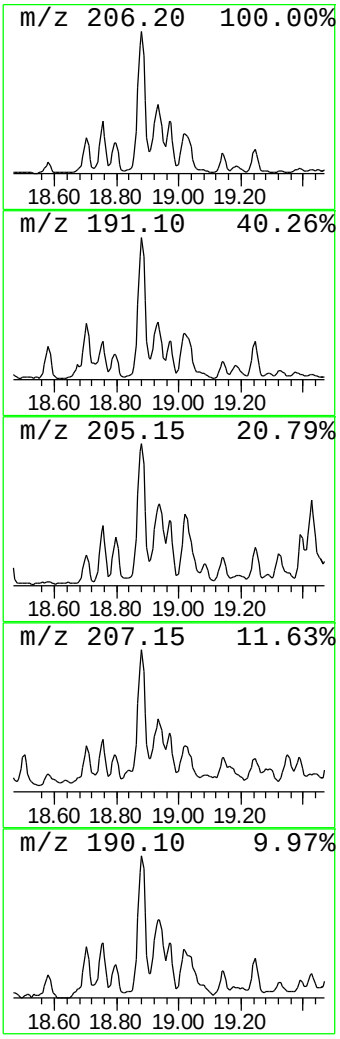
Peak Number 23 unknown-01 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	5.15 ng/ul	156336	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	81
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	72
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	72





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Acq On : 14 Jan 2016 14:50
Operator : SJ/UM
Sample : H1098-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC962

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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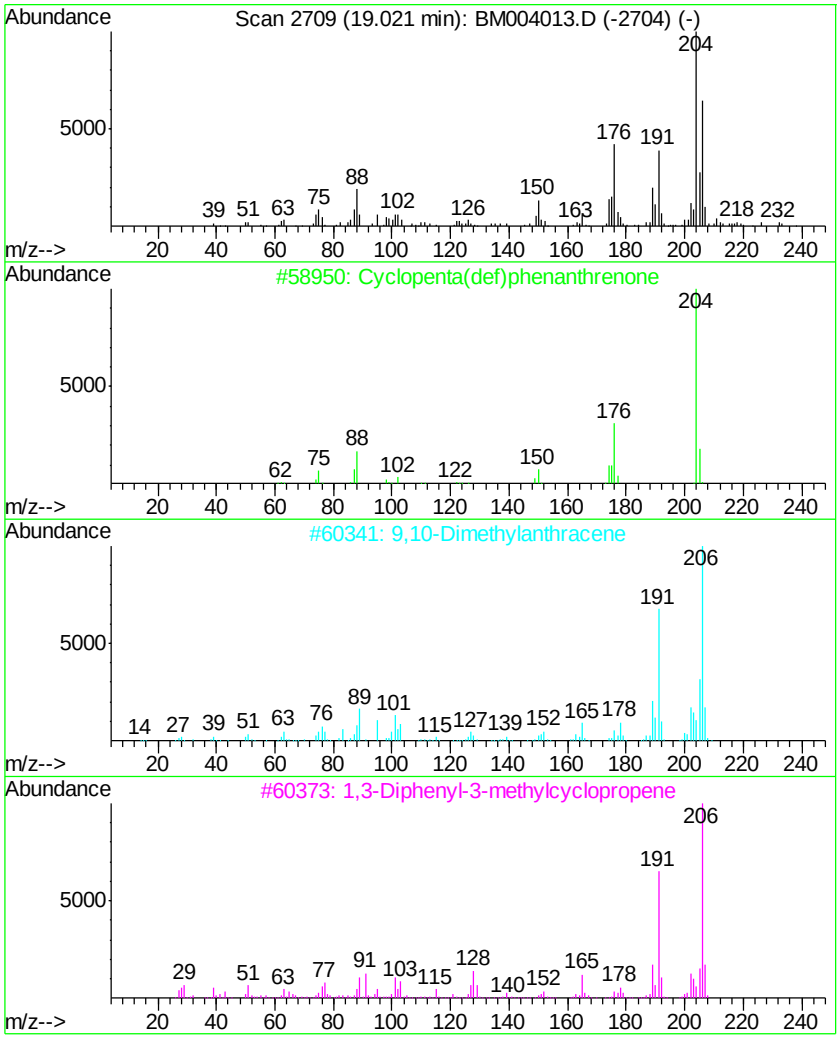
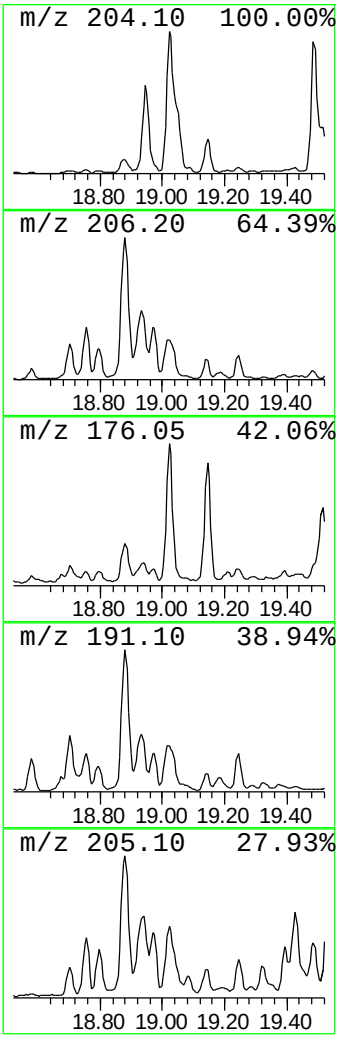
Peak Number 24 Cyclopenta(def)phenanthrenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	19.18 ng/ul	581616	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	84
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	80
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	46
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46





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Acq On : 14 Jan 2016 14:50
Operator : SJ/UM
Sample : H1098-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC962

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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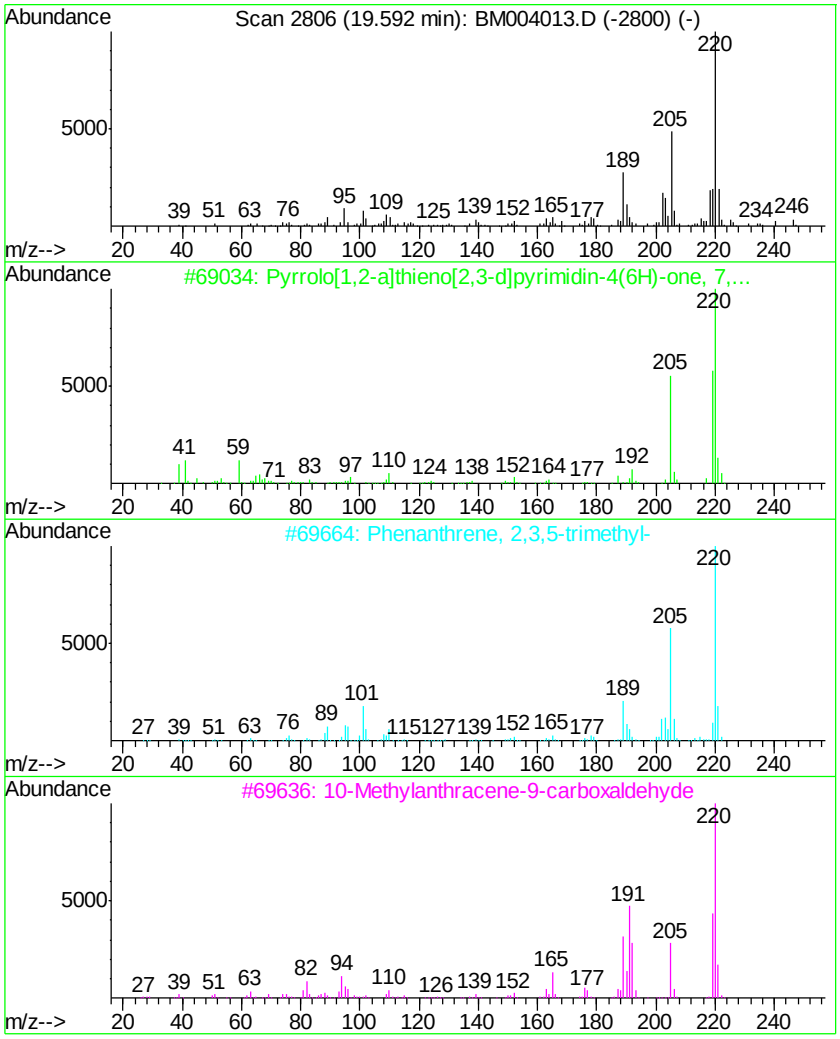
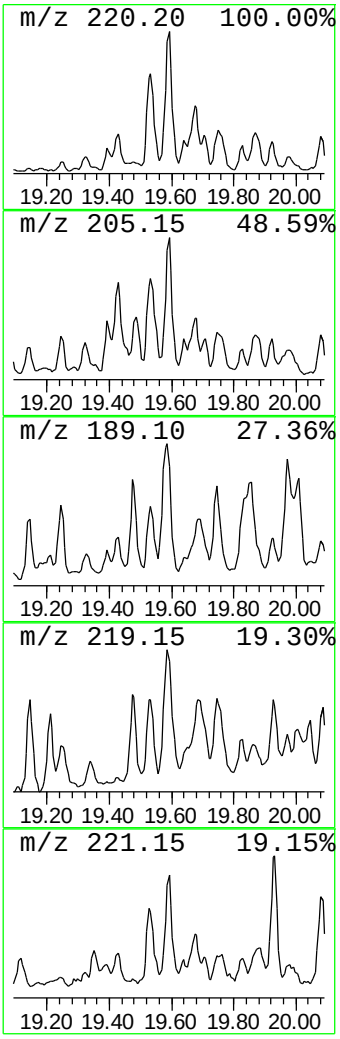
Peak Number 25 Pyrrolo[1,2-a]thieno[2,3-d]... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.59	3.19 ng/ul	306982	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrrolo[1,2-a]thieno[2,3-d]pyrim...	220	C11H12N2OS	056929-61-4	60
2	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	50
3	10-Methylanthracene-9-carboxalde...	220	C16H12O	007072-00-6	49
4	Phenmethylcynide, .alpha.,.alpha...	220	C11H12N2O3	1000128-94-6	47
5	7-Nitro-6-methoxy-2,3-dimethylin...	220	C11H12N2O3	068289-71-4	47





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Acq On : 14 Jan 2016 14:50
Operator : SJ/UM
Sample : H1098-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC962

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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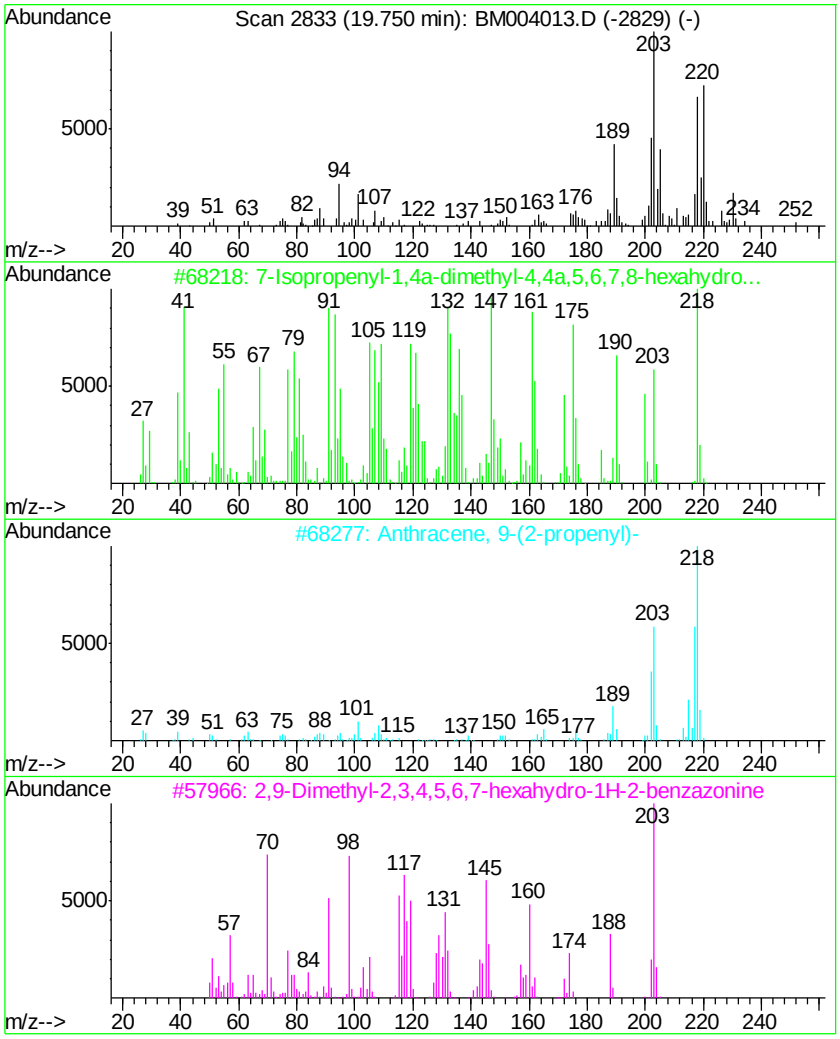
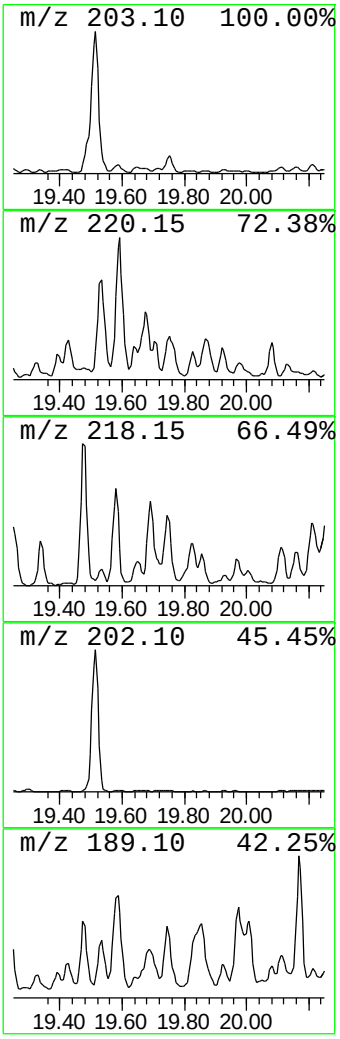
Peak Number 26 7-Isopropenyl-1,4a-dimethyl... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.75	2.25 ng/ul	216004	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Isopropenyl-1,4a-dimethyl-4,4a...	218	C15H22O	000473-08-5	90
2	Anthracene, 9-(2-propenyl)-	218	C17H14	023707-65-5	49
3	2,9-Dimethyl-2,3,4,5,6,7-hexahyd...	203	C14H21N	077581-11-4	35
4	9-Cyanophenanthrene	203	C15H9N	002510-55-6	25
5	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	25





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Acq On : 14 Jan 2016 14:50
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Sample : H1098-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC962

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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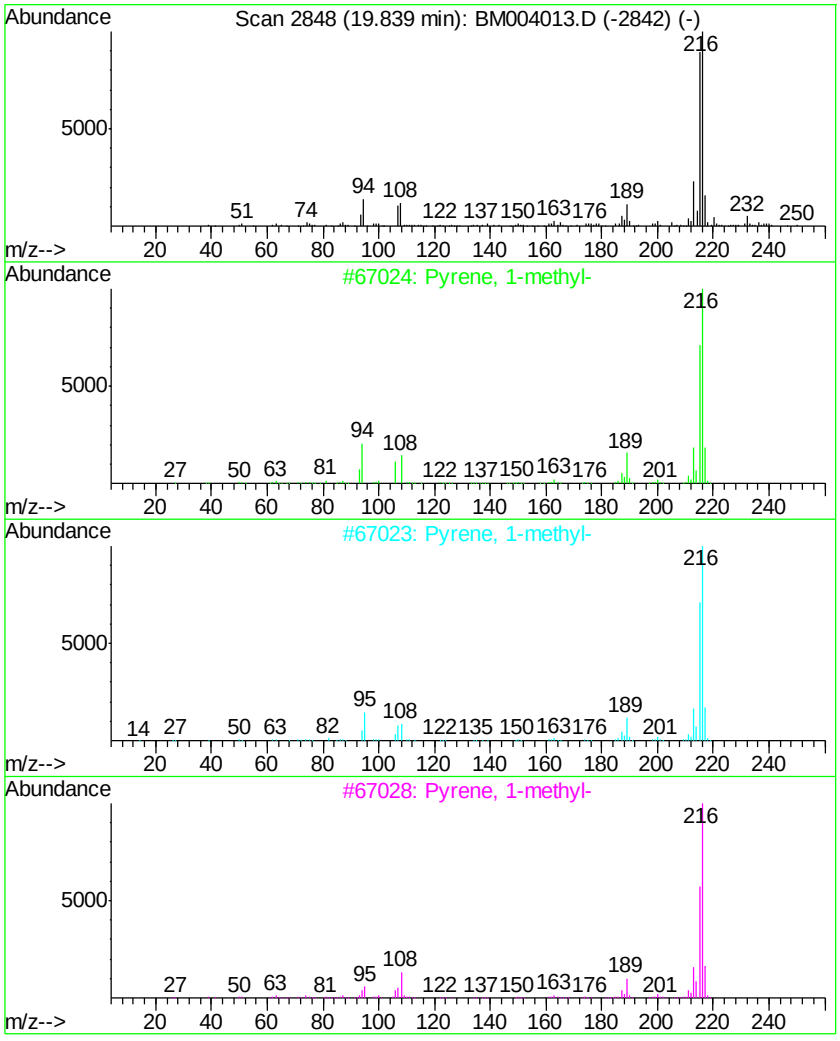
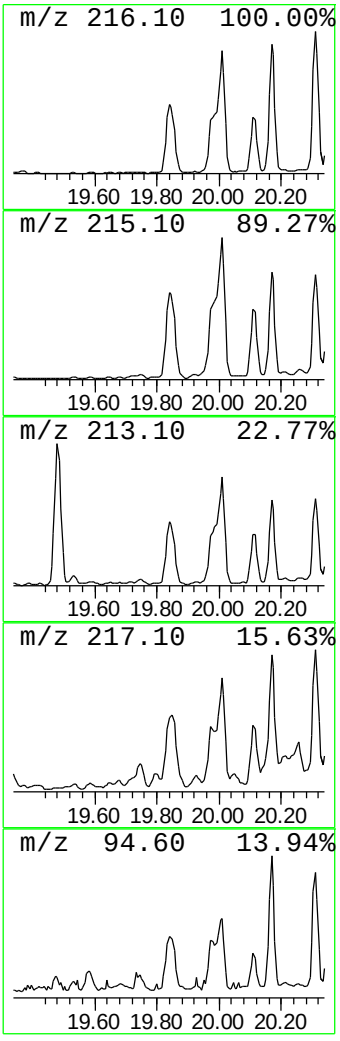
Peak Number 27 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.84	7.08 ng/ul	681522	Chrysene-d12	21.29

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	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93





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Sample : H1098-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC962

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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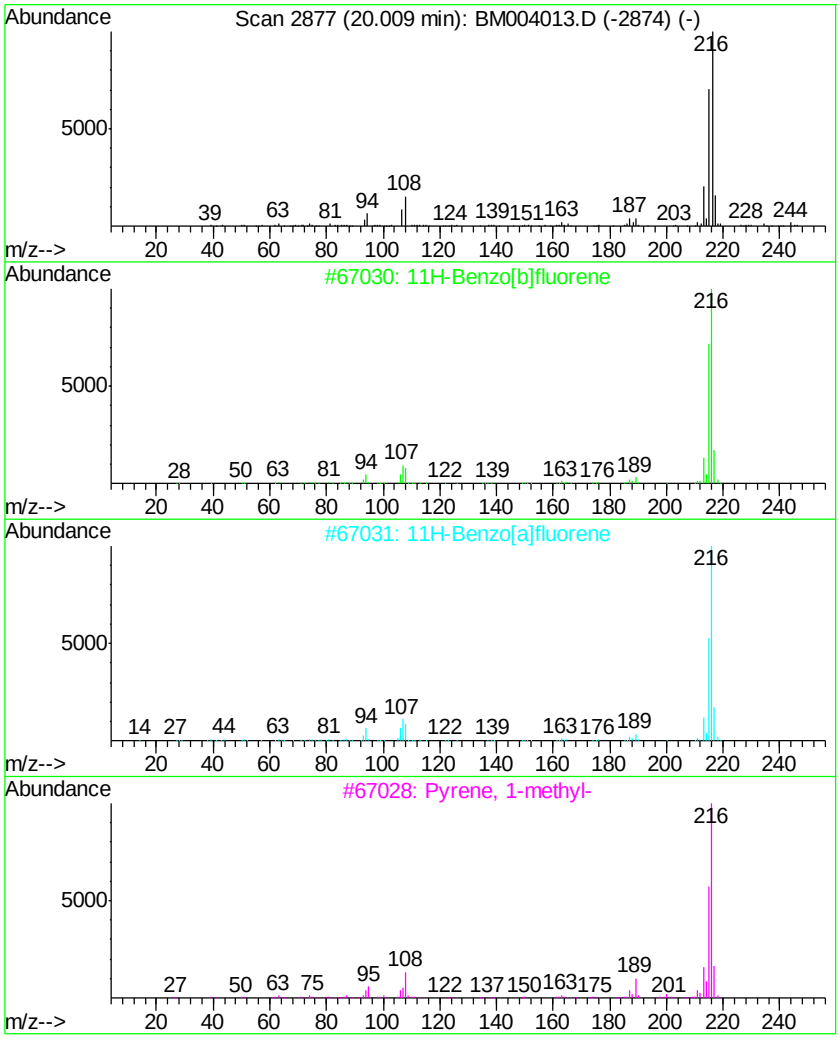
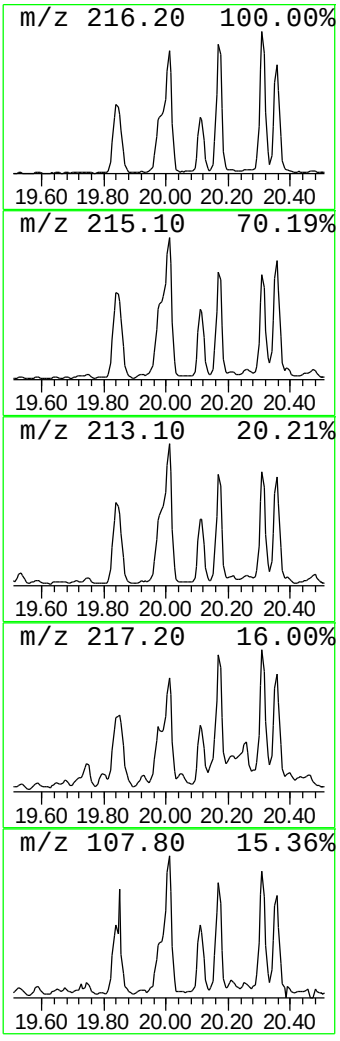
Peak Number 29 11H-Benzo[b]fluorene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.01	5.05 ng/ul	486165	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





Tentatively Identified Compound (LSC) summary

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Data File : BM004013.D
Acq On : 14 Jan 2016 14:50
Operator : SJ/UM
Sample : H1098-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC962

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
Naphthalene, 1,6,...	14.94	3.3	ng/ul	85192	3	14.32	522833	20.0
1(2H)-Acenaphthyl...	16.05	5.0	ng/ul	152133	4	17.07	606561	20.0
9H-Fluorene, 9-me...	16.43	2.8	ng/ul	85670	4	17.07	606561	20.0
9H-Fluoren-9-one	16.73	3.0	ng/ul	91796	4	17.07	606561	20.0
Dibenzothiophene	16.89	2.9	ng/ul	86808	4	17.07	606561	20.0
9H-Fluorene, 2,3-...	17.27	3.8	ng/ul	115890	4	17.07	606561	20.0
Dibenzothiophene,...	17.66	4.9	ng/ul	147340	4	17.07	606561	20.0
Phenanthrene, 2-m...	17.95	16.2	ng/ul	491355	4	17.07	606561	20.0
Phenanthrene, 1-m...	18.00	18.8	ng/ul	568817	4	17.07	606561	20.0
Anthracene, 9-met...	18.08	5.9	ng/ul	177765	4	17.07	606561	20.0
1a,9b-Dihydro-1H-...	18.14	29.8	ng/ul	903194	4	17.07	606561	20.0
Anthracene, 2-met...	18.18	13.4	ng/ul	406552	4	17.07	606561	20.0
2,8-Dimethyldiben...	18.35	3.0	ng/ul	90364	4	17.07	606561	20.0
9,10-Bis(bromomet...	18.46	9.4	ng/ul	284462	4	17.07	606561	20.0
9,10-Anthracenedione	18.50	9.2	ng/ul	277700	4	17.07	606561	20.0
9,10-Anthracenedi...	18.67	3.3	ng/ul	98896	4	17.07	606561	20.0
Phenanthrene, 1,7...	18.76	6.7	ng/ul	201797	4	17.07	606561	20.0
di-p-Tolylacetylene	18.79	4.3	ng/ul	129383	4	17.07	606561	20.0
Phenanthrene, 2,5...	18.88	24.0	ng/ul	727470	4	17.07	606561	20.0
Phenanthrene, 3,6...	18.94	14.5	ng/ul	438506	4	17.07	606561	20.0
unknown-01	18.97	5.2	ng/ul	156336	4	17.07	606561	20.0
Cyclopenta(def)ph...	19.02	19.2	ng/ul	581616	4	17.07	606561	20.0
Pyrrolo[1,2-a]thi...	19.59	3.2	ng/ul	306982	5	21.29	1924120	20.0
7-Isopropenyl-1,4...	19.75	2.3	ng/ul	216004	5	21.29	1924120	20.0
Pyrene, 1-methyl-	19.84	7.1	ng/ul	681522	5	21.29	1924120	20.0
11H-Benzo[b]fluorene	20.01	5.0	ng/ul	486165	5	21.29	1924120	20.0