LSC Area Percent Report

Data Path : V:\HPCHEM1\BNA M\Data\BM011616\
Data File : BM004064.D
Acq On : 16 Jan 2016 01:01
Operator : SJ/UM
Sample : H1100-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC985

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	630	639	651	rBB	107357	182367	6.79%	0.460%
2	6.998	660	665	674	rBB	88074	133926	4.99%	0.338%
3	7.198	693	699	707	rBB	120099	180948	6.74%	0.457%
4	7.663	772	778	785	rBB	155080	235868	8.79%	0.596%
5	8.375	893	899	911	rBB	130707	208425	7.76%	0.526%
6	8.822	969	975	983	rBB	110344	171327	6.38%	0.433%
7	9.539	1092	1097	1104	rBB	88843	140777	5.24%	0.355%
8	10.081	1183	1189	1199	rBV	142033	236520	8.81%	0.597%
9	10.451	1245	1252	1257	rBV	237377	384662	14.33%	0.971%
10	13.733	1805	1810	1814	rVV	277202	390457	14.54%	0.986%
11	13.774	1814	1817	1824	rVB	123871	173447	6.46%	0.438%
12	14.010	1851	1857	1861	rBV	318512	492236	18.34%	1.243%
13	14.321	1900	1910	1916	rBV2	354191	537428	20.02%	1.357%
14	14.545	1940	1948	1955	rBV2	75999	131724	4.91%	0.333%
15	15.316	2074	2079	2084	rVB	421883	586066	21.83%	1.480%
16	16.051	2196	2204	2209	rBV3	96348	184686	6.88%	0.466%
17	16.427	2264	2268	2274	rVV2	62381	99122	3.69%	0.250%
18	16.727	2314	2319	2325	rVB2	71598	113283	4.22%	0.286%
19	16.892	2342	2347	2354	rVB	53034	95947	3.57%	0.242%
20	17.074	2372	2378	2381	rBV	415518	608092	22.65%	1.535%
21	17.115	2381	2385	2390	rVV	756499	1038927	38.70%	2.623%
22	17.168	2390	2394	2398	rVV2	436431	636253	23.70%	1.607%
23	17.204	2398	2400	2405	rVB	175242	208823	7.78%	0.527%
24	17.268	2405	2411	2416	rBV2	57015	125523	4.68%	0.317%
25	17.651	2469	2476	2484	rVB3	103882	174632	6.51%	0.441%
26	17.951	2521	2527	2531	rBV	350422	529149	19.71%	1.336%
27	17.998	2531	2535	2540	rVB	432635	596342	22.21%	1.506%
28	18.080	2544	2549	2553	rBV2	113455	179816	6.70%	0.454%
29	18.139	2554	2559	2564	rVV3	507438	953148	35.51%	2.407%
30	18.180	2564	2566	2572	rVB	346297	419557	15.63%	1.059%
31	18.262	2576	2580	2584	rBV3	68249	101421	3.78%	0.256%
32	18.345	2590	2594	2599	rVB3	74896	110972	4.13%	0.280%
33	18.451	2608	2612	2616	rVV2	185003	266629	9.93%	0.673%
34	18.504	2616	2621	2627	rVB2	185203	286974	10.69%	0.725%

LSC Area Percent Report

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Operator : SJ/UM
Sample : H1100-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC985

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	18.674	2646	2650	2651	rBV	80468	96814	3.61%	0.244%
36	18.704	2651	2655	2658	rVV	138047	221828	8.26%	0.560%
37	18.751	2660	2663	2666	rVV	156291	206980	7.71%	0.523%
38	18.792	2666	2670	2674	rVV3	108761	153780	5.73%	0.388%
39	18.833	2674	2677	2680	rVV4	74602	100911	3.76%	0.255%
40	18.880	2680	2685	2690	rVV	443109	818372	30.49%	2.066%
41	18.939	2690	2695	2698	rVV3	228878	479566	17.86%	1.211%
42	18.968	2698	2700	2704	rVB	147774	150455	5.60%	0.380%
43	19.021	2704	2709	2722	rBV4	257510	656249	24.45%	1.657%
44	19.145	2722	2730	2736	rVB	1461107	2032905	75.73%	5.133%
45	19.209	2736	2741	2743	rBV	111501	156672	5.84%	0.396%
46	19.239	2743	2746	2751	rVB2	117704	162636	6.06%	0.411%
47	19.345	2760	2764	2768	rBV2	95981	125500	4.67%	0.317%
48	19.386	2768	2771	2774	rBV2	100135	113466	4.23%	0.287%
49	19.421	2774	2777	2781	rVB3	74172	90357	3.37%	0.228%
50	19.480	2782	2787	2789	rBV3	616226	951844	35.46%	2.403%
51	19.509	2789	2792	2800	rVB	1825729	2684506	100.00%	6.778%
52	19.586	2800	2805	2810	rVB3	204952	330856	12.32%	0.835%
53	19.745	2828	2832	2837	rVB2	139546	222934	8.30%	0.563%
54	19.839	2842	2848	2857	rBV5	269411	735687	27.40%	1.858%
55	19.921	2858	2862	2865	rVV3	95856	141647	5.28%	0.358%
56	19.968	2865	2870	2872	rVV2	234975	371744	13.85%	0.939%
57	20.003	2873	2876	2882	rVV	397634	604965	22.54%	1.528%
58	20.109	2890	2894	2898	rVV2	213334	330964	12.33%	0.836%
59	20.168	2898	2904	2908	rVV	410855	651240	24.26%	1.644%
60	20.209	2908	2911	2914	rVV2	78759	118665	4.42%	0.300%
61	20.250	2915	2918	2921	rVV4	57477	94793	3.53%	0.239%
62	20.303	2923	2927	2931	rVV	369921	545129	20.31%	1.376%
63	20.351	2931	2935	2939	rVV	369505	507670	18.91%	1.282%
64	20.468	2952	2955	2960	rVB2	78852	113216	4.22%	0.286%
65	20.568	2968	2972	2974	rBV4	55048	93497	3.48%	0.236%
66	20.603	2974	2978	2980	rBV2	80826	109302	4.07%	0.276%
67	20.721	2995	2998	3000	rVV3	75771	106331	3.96%	0.268%
68	20.762	3001	3005	3011	rVB	258873	419124	15.61%	1.058%
69	20.850	3016	3020	3024	rVB	93316	115554	4.30%	0.292%
70	20.927	3025	3033	3036	rBV5	233521	524341	19.53%	1.324%
71	20.962	3036	3039	3041	rVV	217247	267456	9.96%	0.675%

LSC Area Percent Report

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Sample : H1100-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC985

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	21.003	3043	3046	3050	rVV2	184336	305406	11.38%	0.771%
73	21.056	3052	3055	3061	rVB	166580	270707	10.08%	0.684%
74	21.168	3071	3074	3081	rVB3	61850	117715	4.38%	0.297%
75	21.268	3085	3091	3096	rVV2	931452	1899186	70.75%	4.795%
76	21.315	3096	3099	3109	rVB	942452	1356693	50.54%	3.426%
77	21.397	3109	3113	3116	rBV2	91643	127815	4.76%	0.323%
78	21.433	3116	3119	3125	rVV2	145730	245855	9.16%	0.621%
79	21.492	3125	3129	3141	rVB7	112477	358720	13.36%	0.906%
80	21.639	3151	3154	3158	rBV2	86673	101078	3.77%	0.255%
81	21.774	3173	3177	3180	rBV	91579	128859	4.80%	0.325%
82	21.827	3180	3186	3190	rVV	341067	606282	22.58%	1.531%
83	21.880	3192	3195	3202	rVB	221841	300385	11.19%	0.758%
84	21.945	3202	3206	3209	rBV2	106695	156770	5.84%	0.396%
85	22.027	3216	3220	3223	rBV	200701	280860	10.46%	0.709%
86	22.127	3232	3237	3242	rVB2	125396	205865	7.67%	0.520%
87	22.597	3313	3317	3322	rVB4	84133	153615	5.72%	0.388%
88	22.856	3355	3361	3366	rBV	465291	1124457	41.89%	2.839%
89	23.021	3385	3389	3393	rVB	104254	155388	5.79%	0.392%
90	23.327	3435	3441	3446	rBV	376773	739121	27.53%	1.866%
91	23.380	3446	3450	3453	rVV	290281	499159	18.59%	1.260%
92	23.427	3453	3458	3464	rVV	605092	1081462	40.29%	2.731%
93	23.521	3468	3474	3478	rVV	259872	495510	18.46%	1.251%
94	23.568	3478	3482	3490	rVB3	173672	379808	14.15%	0.959%
95	24.250	3594	3598	3604	rBV2	49403	106179	3.96%	0.268%
96	24.391	3616	3622	3628	rBV	68978	140480	5.23%	0.355%
97	25.780	3848	3858	3867	rVB	293018	870102	32.41%	2.197%
98	26.032	3895	3901	3908	rBV	54415	137011	5.10%	0.346%
99	26.127	3912	3917	3923	rVB2	44936	106065	3.95%	0.268%
100	26.474	3967	3976	3991	rVB	195092	630036	23.47%	1.591%

Sum of corrected areas: 39604019

LSC Report - Integrated Chromatogram

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Data File : BM004064.D
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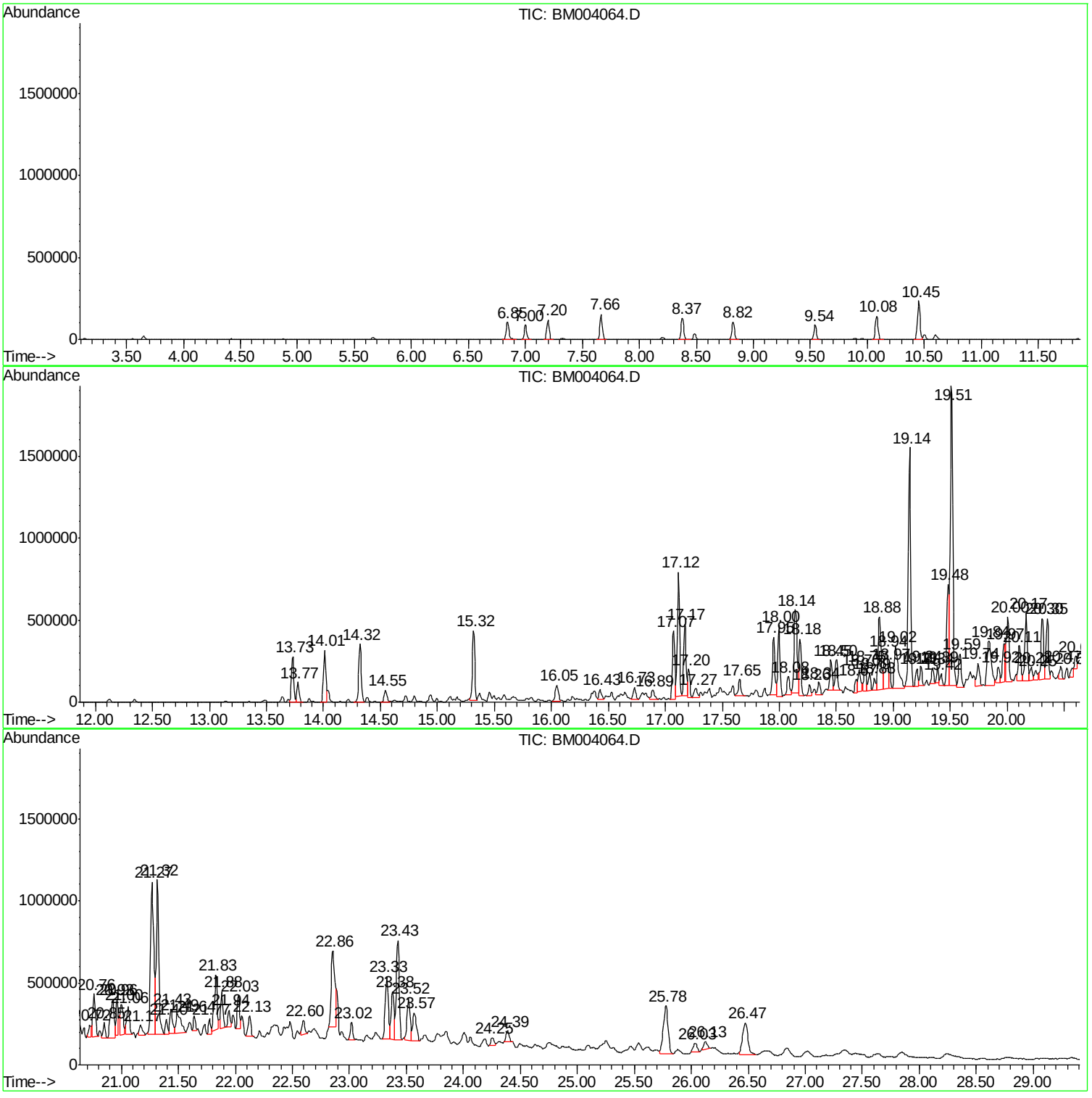
Operator : SJ/UM
Sample : H1100-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC985

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

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Instrument : BNA_M
ClientSampleId : BC985

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

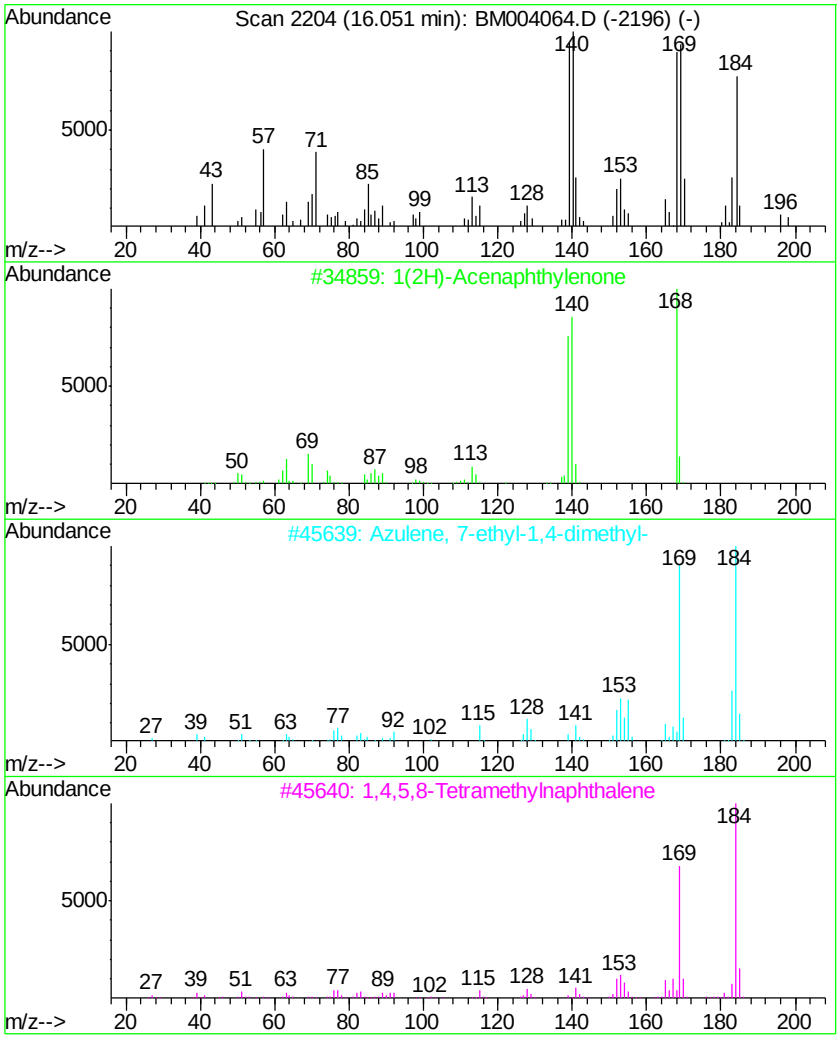
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

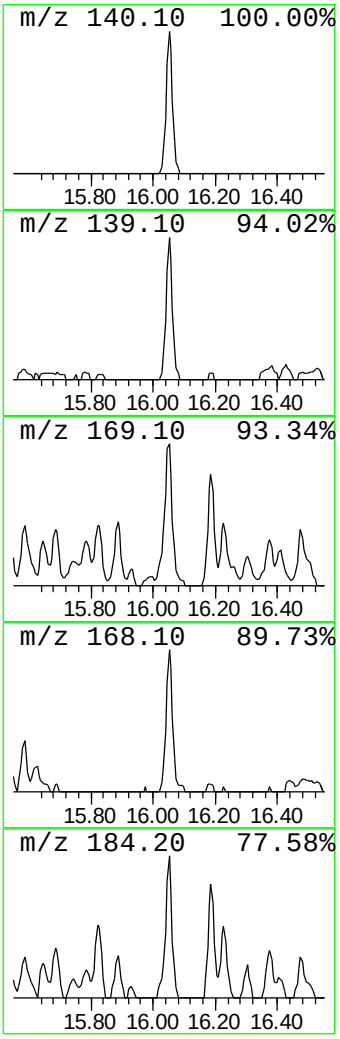
****

Peak Number 1 1(2H)-Acenaphthylenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	6.07 ng/ul	184686	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	50
2	Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	46
3	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	46
4	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	41
5	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	35





Data Path : V:\HPCHEM1\BNA M\Data\BM011616\
Data File : BM004064.D
Acq On : 16 Jan 2016 01:01
Operator : SJ/UM
Sample : H1100-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC985

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

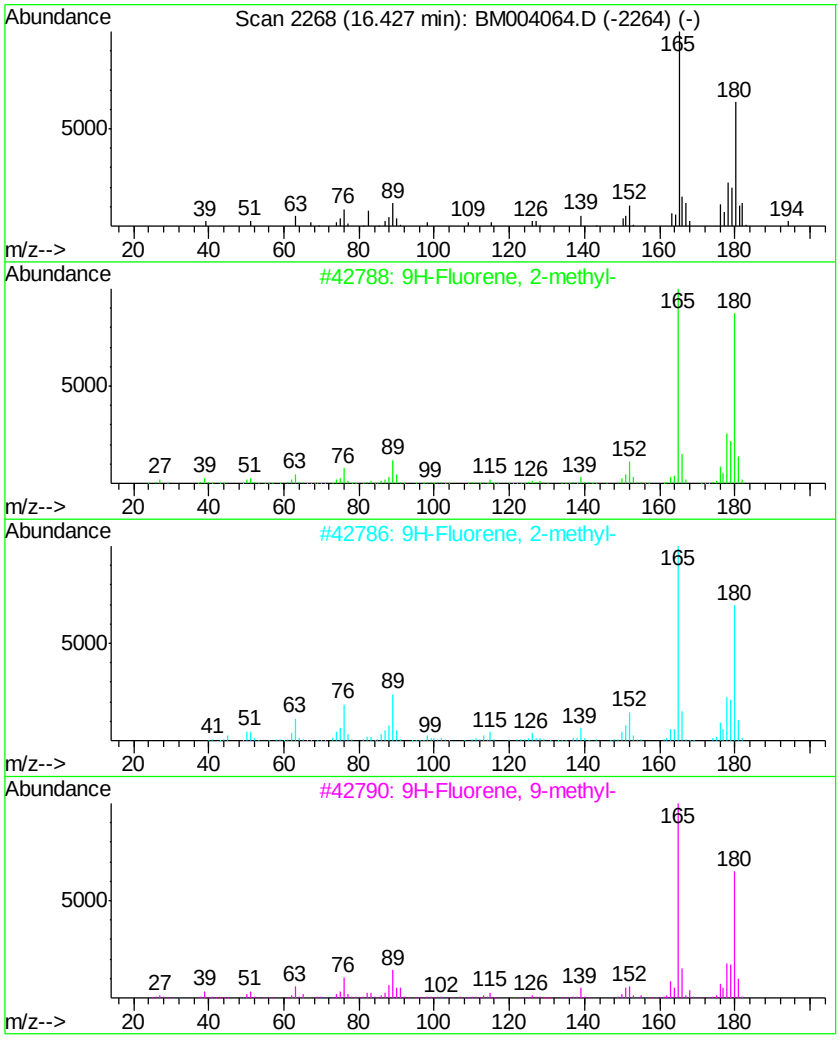
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

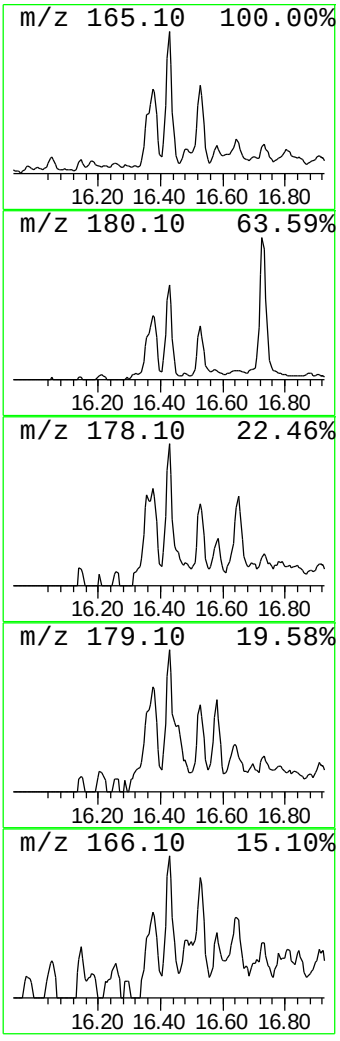
****

Peak Number 2 9H-Fluorene, 2-methyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	3.26 ng/ul	99122	Phenanthrene-d10	17.07

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





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : BC985

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

TIC Library : C:\DATABASE\NIST02.L
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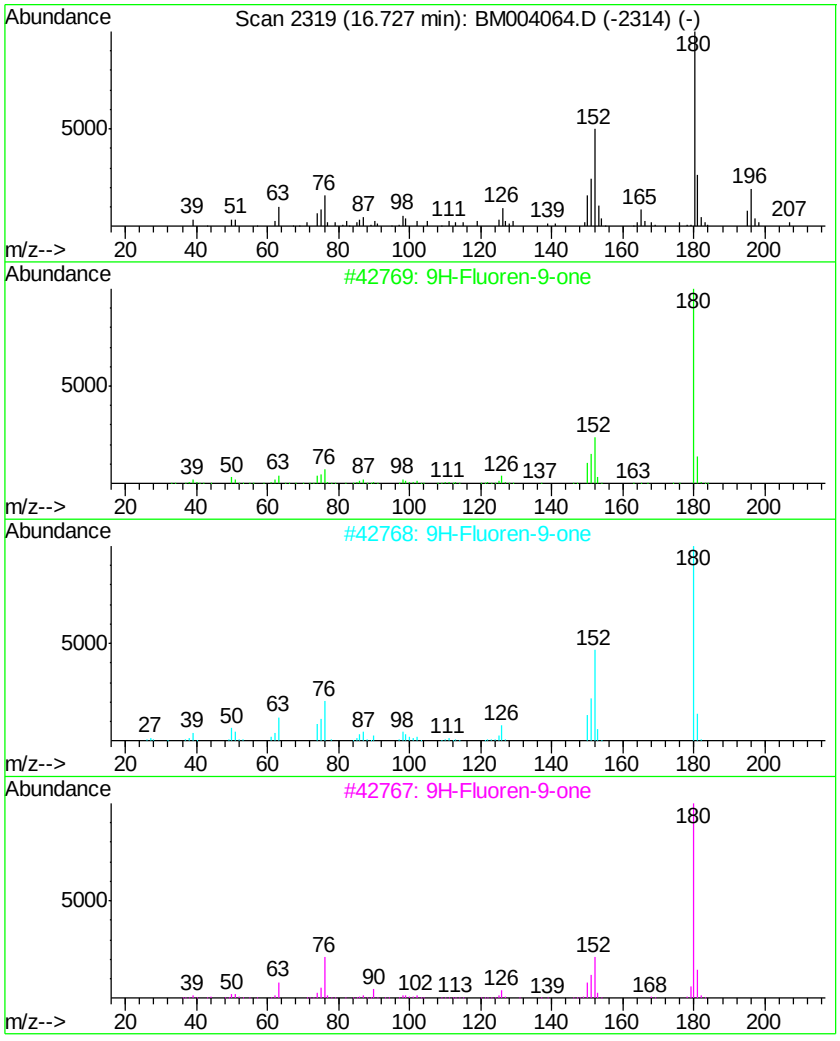
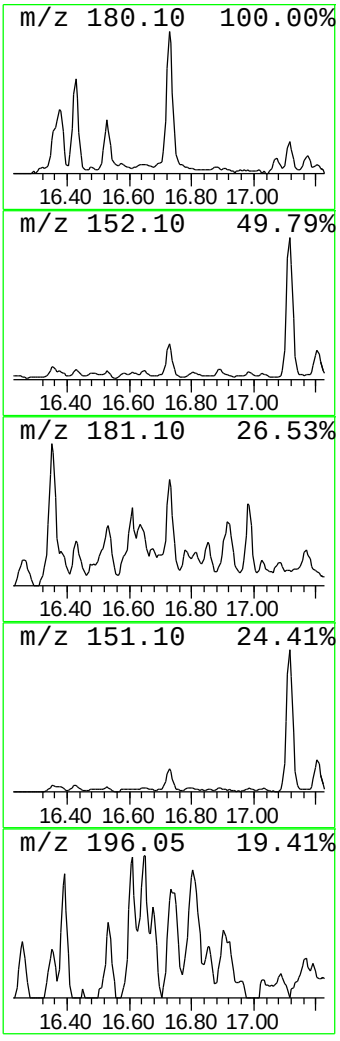
Peak Number 3 9H-Fluoren-9-one Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.73	3.73 ng/ul	113283	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	87
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	74





Library Search Compound Report

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Operator : SJ/UM
Sample : H1100-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC985

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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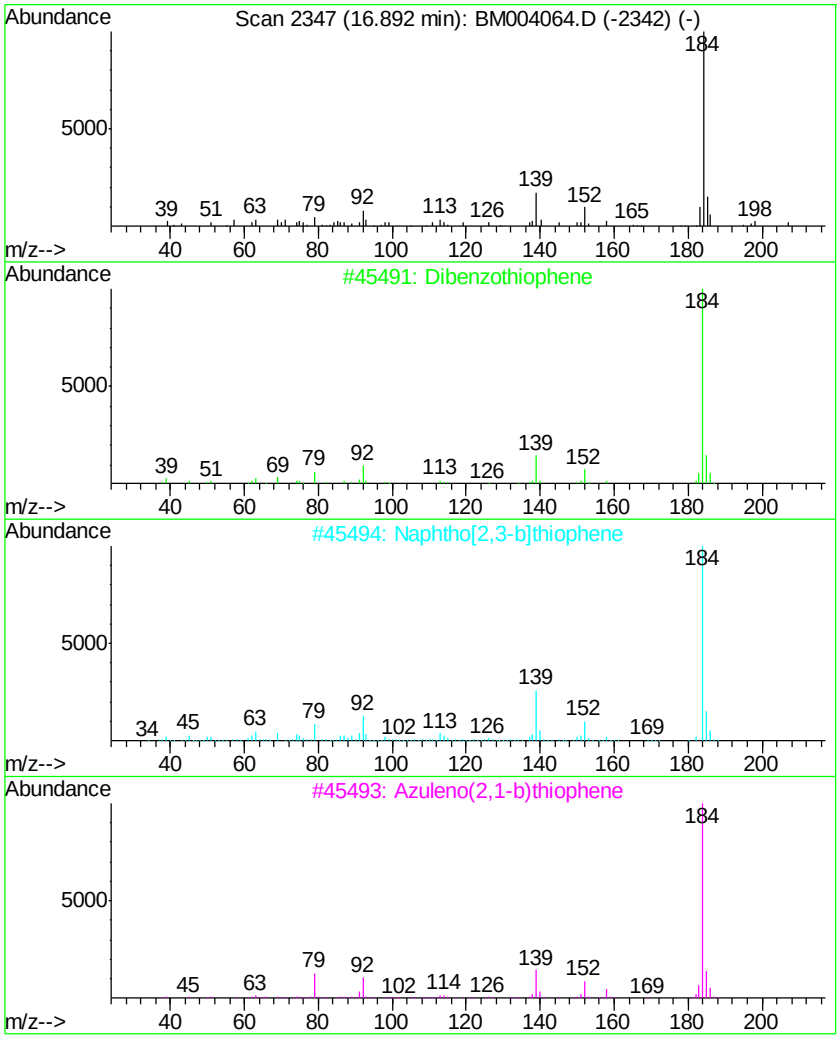
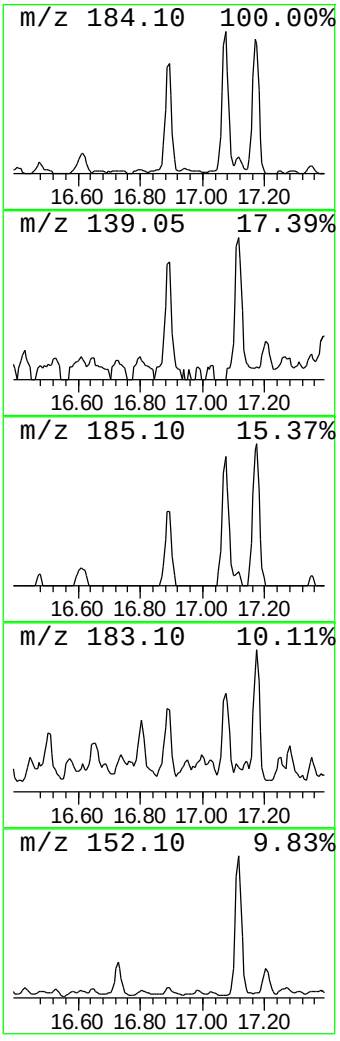
Peak Number 4 Dibenzothiophene Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	3.16 ng/ul	95947	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	Dibenzothiophene	184	C12H8S	000132-65-0	90
5	Dibenzothiophene	184	C12H8S	000132-65-0	87





Data Path : V:\HPCHEM1\BNA M\Data\BM011616\
Data File : BM004064.D
Acq On : 16 Jan 2016 01:01
Operator : SJ/UM
Sample : H1100-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC985

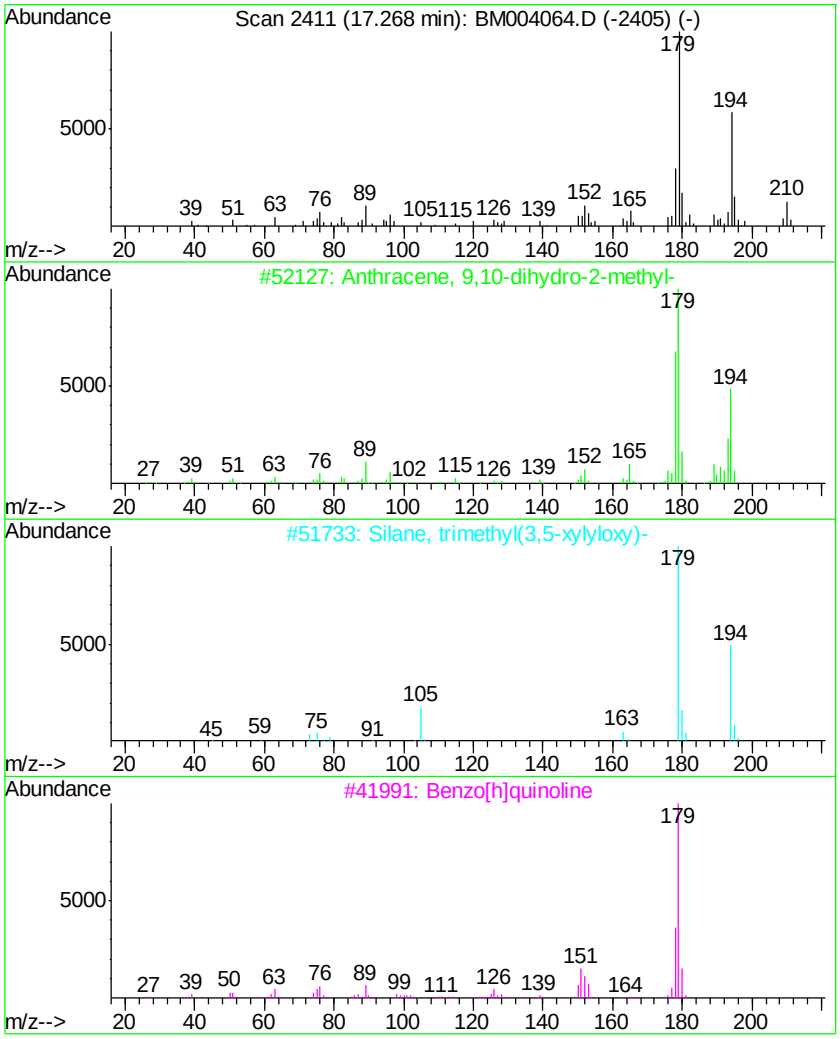
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

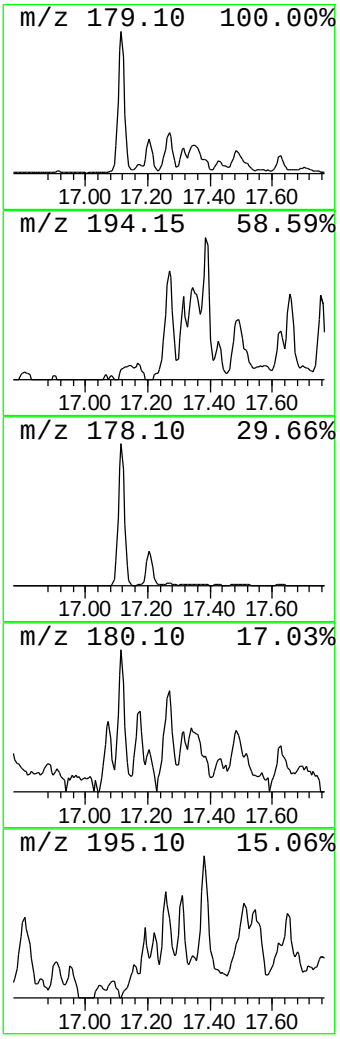
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Anthracene, 9,10-dihydro-2-... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.27	4.13 ng/ul	125523	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-2-methyl-	194	C15H14	000948-67-4	76
2	Silane, trimethyl(3,5-xylyloxy)-	194	C11H18OSi	017994-05-7	70
3	Benzo[h]quinoline	179	C13H9N	000230-27-3	64
4	Benzo[h]quinoline	179	C13H9N	000230-27-3	60
5	9H-Fluorene, 1,9-dimethyl-	194	C15H14	017057-98-6	58





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Sample : H1100-04
Misc :
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Instrument : BNA_M
ClientSampleId : BC985

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Quant Title : SVOA CALIBRATION

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

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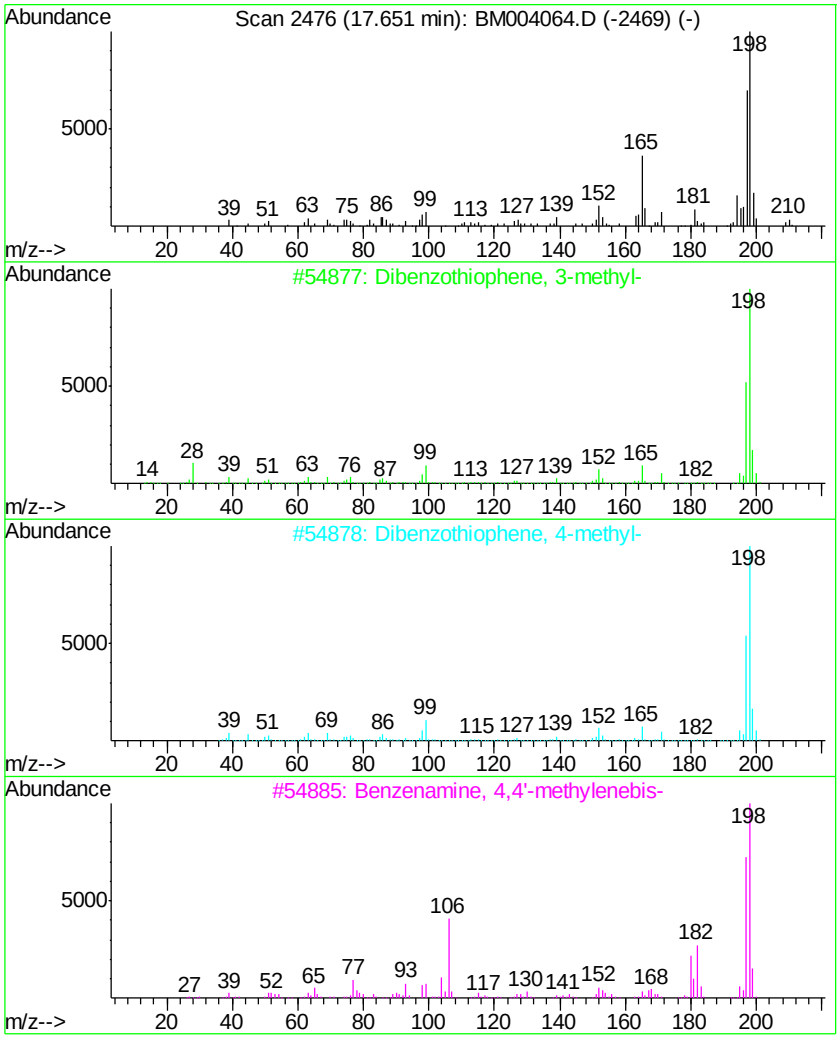
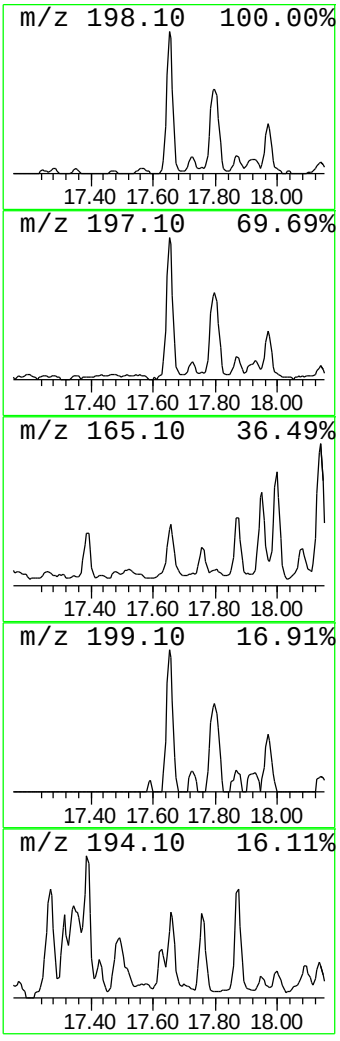
Peak Number 6 Dibenzothiophene, 3-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.65	5.74 ng/ul	174632	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	81
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	76
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	70
4	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	53
5	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	53





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Quant Title : SVOA CALIBRATION

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

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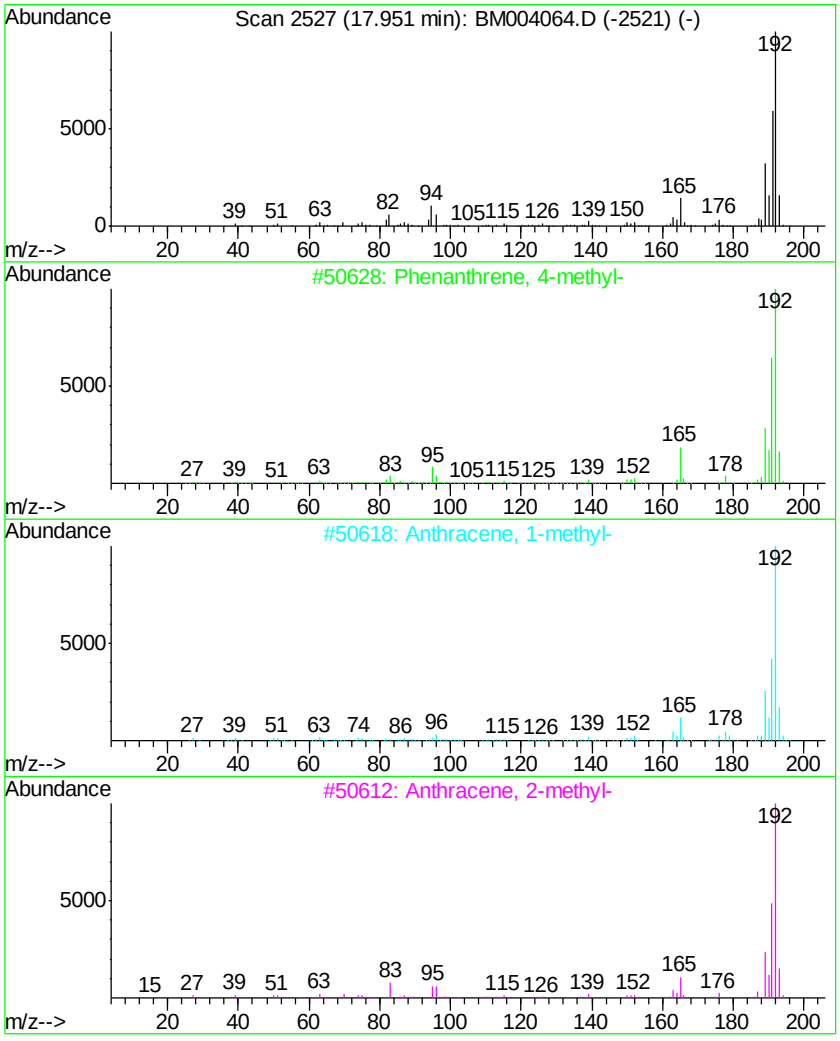
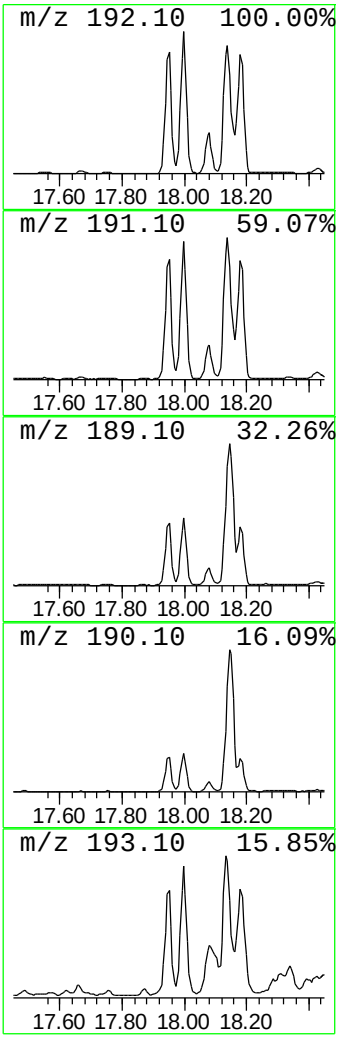
Peak Number 7 Phenanthrene, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	17.40 ng/ul	529149	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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ClientSampleId : BC985

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Quant Title : SVOA CALIBRATION

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

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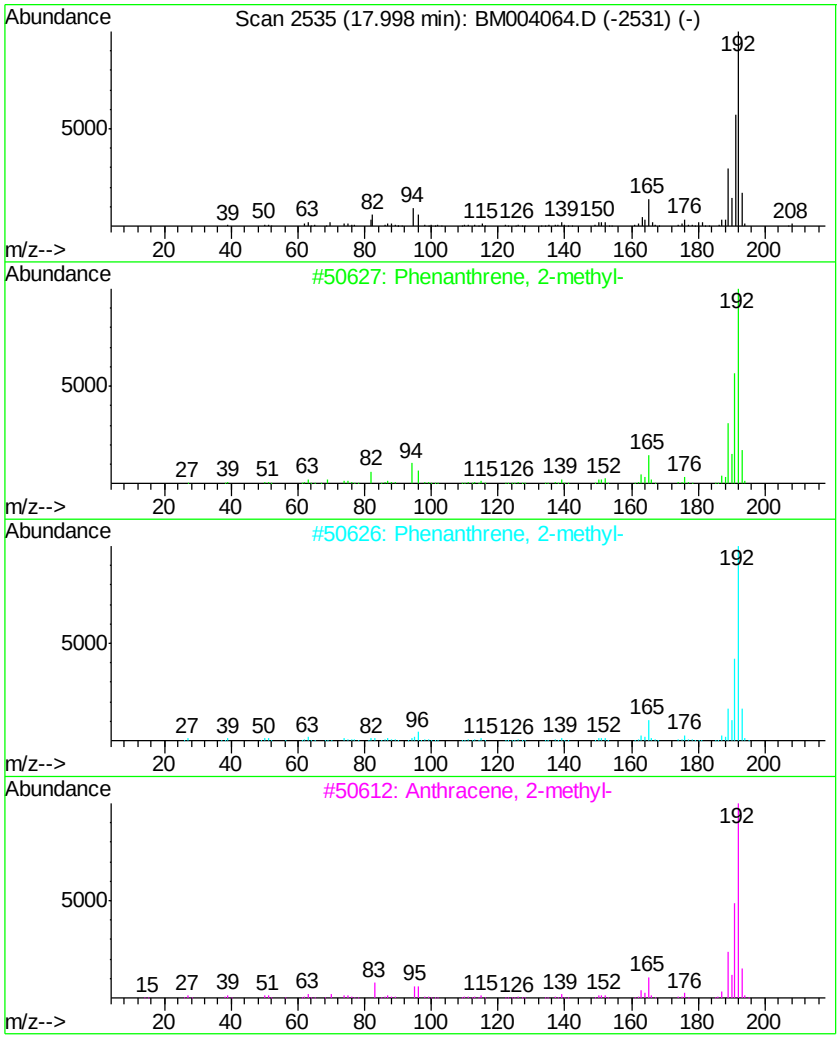
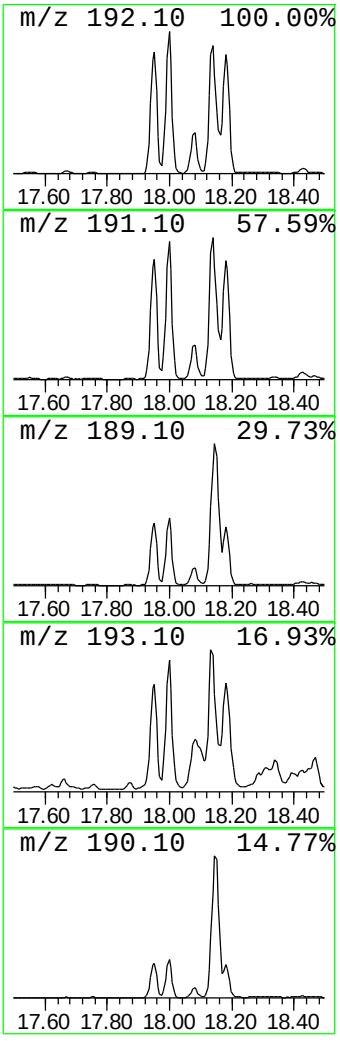
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.00	19.61 ng/ul	596342	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	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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ClientSampleId : BC985

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Quant Title : SVOA CALIBRATION

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

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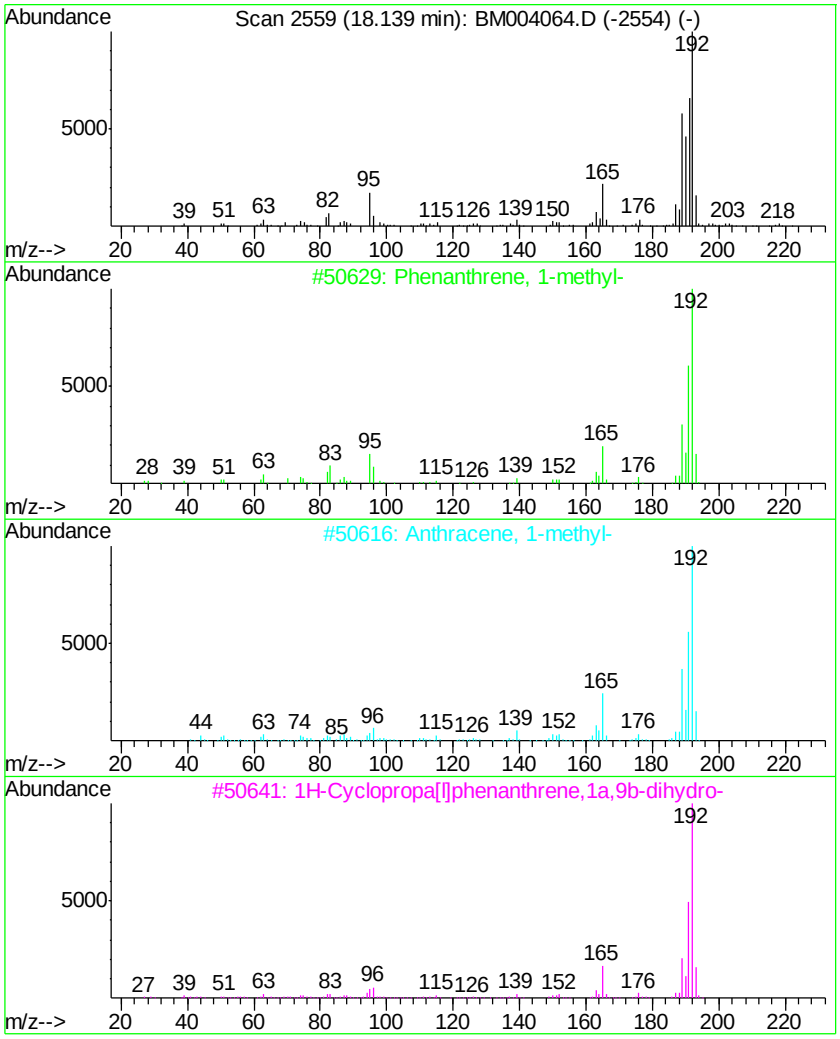
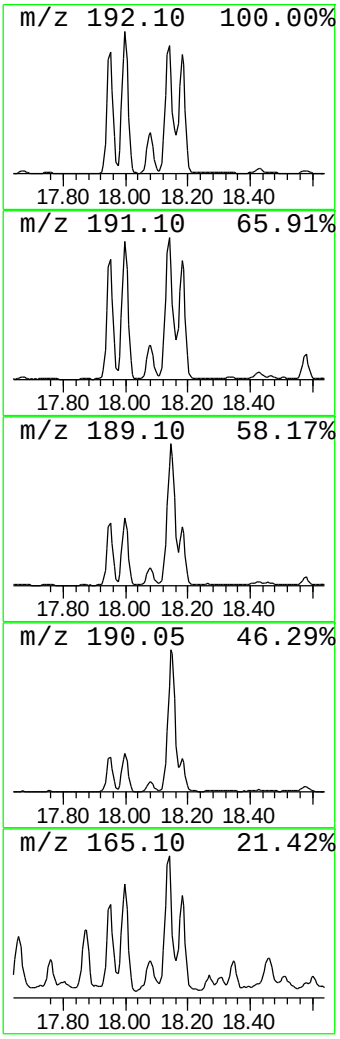
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	31.35 ng/ul	953148	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	64
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	64
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64





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Quant Title : SVOA CALIBRATION

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

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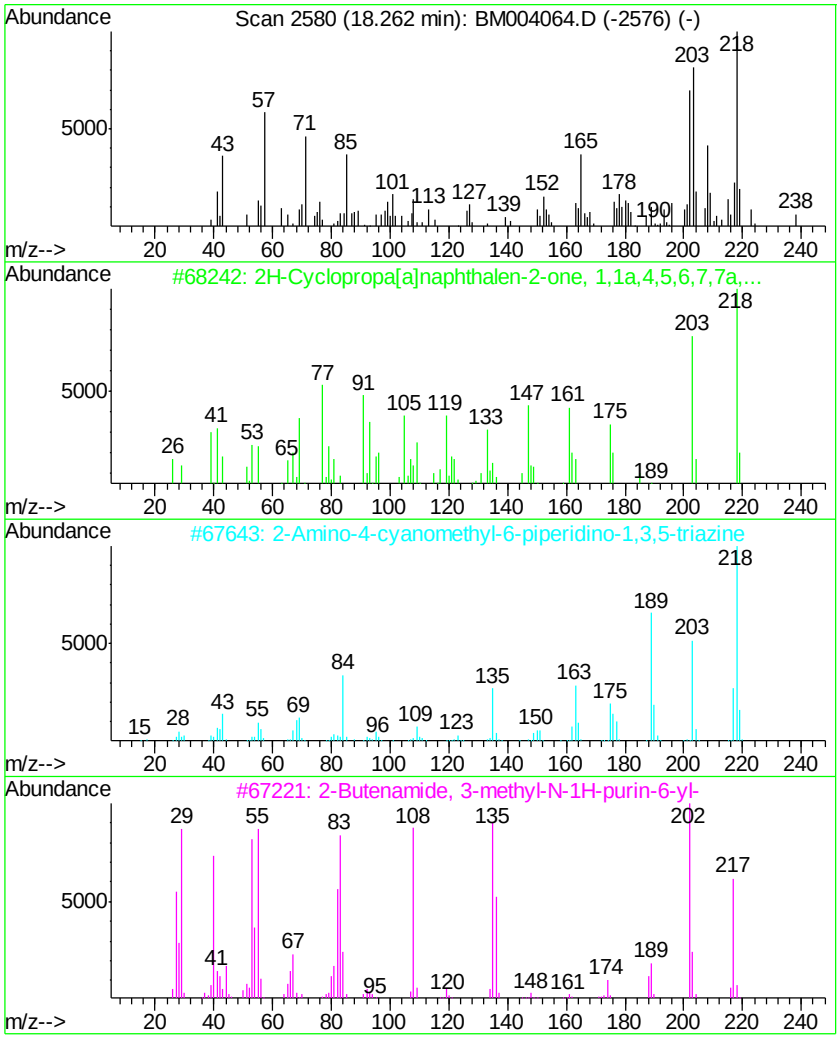
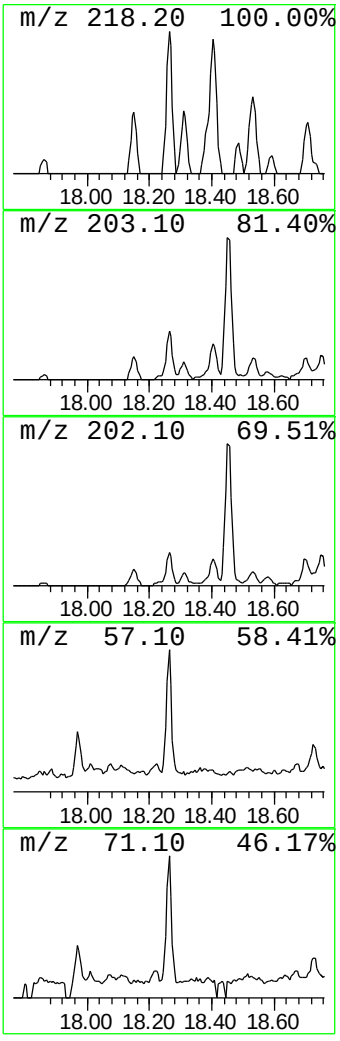
Peak Number 12 unknown-01 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	3.34 ng/ul	101421	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Cyclopropa[a]naphthalen-2-one...	218	C15H22O	006831-17-0	38
2	2-Amino-4-cyanomethyl-6-piperidi...	218	C10H14N6	1000241-05-9	30
3	2-Butenamide, 3-methyl-N-1H-puri...	217	C10H11N5O	021589-34-4	22
4	5H-Dibenz[b,f]azepine-5-carbonit...	218	C15H10N2	042787-75-7	20
5	Cyclohexano[a]naphthalene, 7,8-d...	218	C14H12F2	1000116-80-0	18





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Quant Title : SVOA CALIBRATION

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

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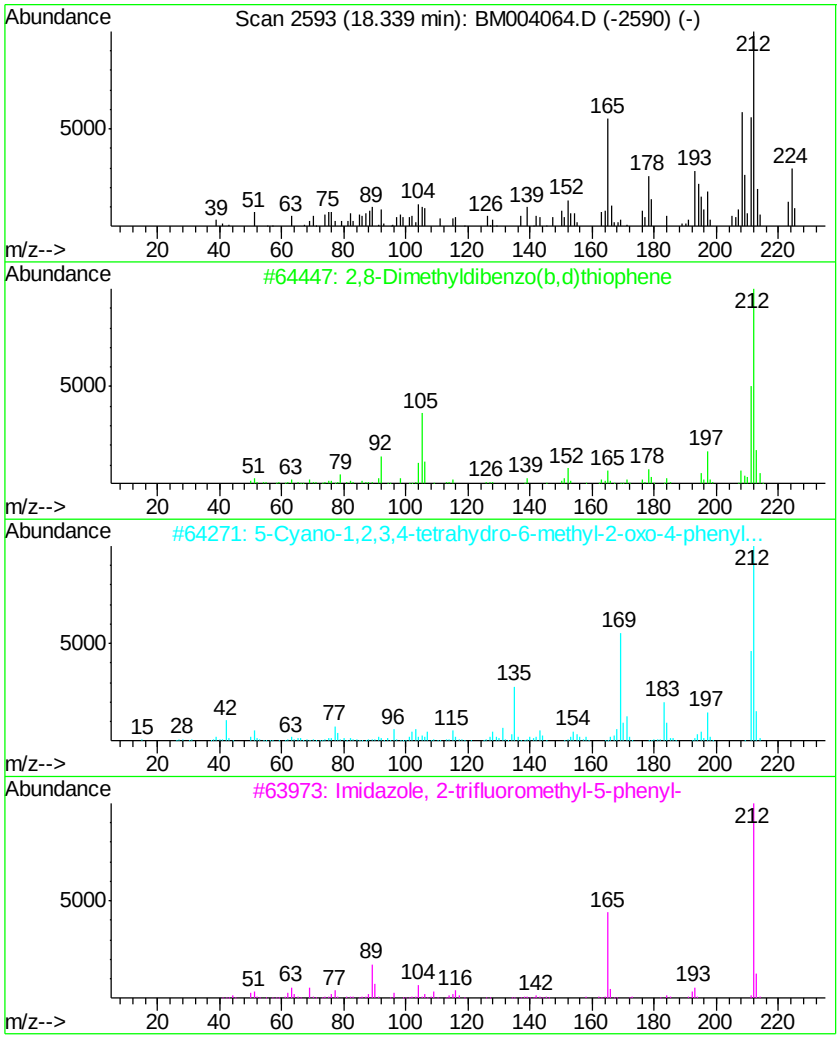
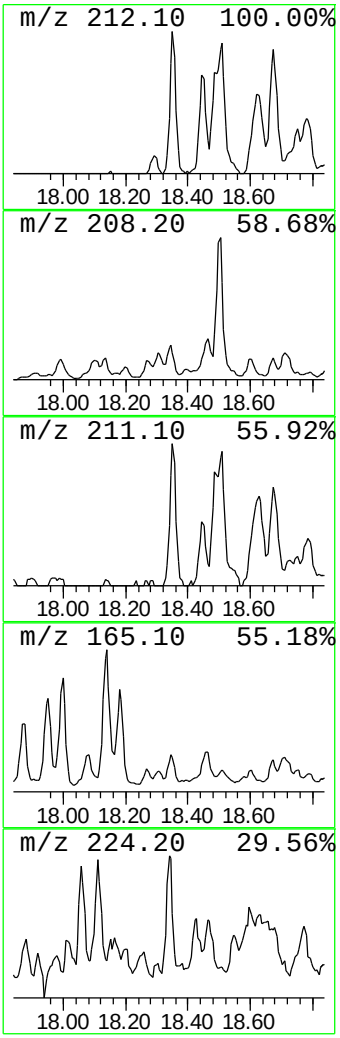
Peak Number 13 2,8-Dimethyldibenzo(b,d)thi... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	3.65 ng/ul	110972	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	91
2	5-Cyano-1,2,3,4-tetrahydro-6-met...	212	C13H12N2O	027036-92-6	47
3	Imidazole, 2-trifluoromethyl-5-p...	212	C10H7F3N2	081769-64-4	46
4	Naphtho[2,3-b]thiophene, 4,9-dim...	212	C14H12S	016587-34-1	43
5	Imidazole, 4-trifluoromethyl-5-p...	212	C10H7F3N2	081769-65-5	38





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Sample : H1100-04
Misc :
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Instrument : BNA_M
ClientSampleId : BC985

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Quant Title : SVOA CALIBRATION

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

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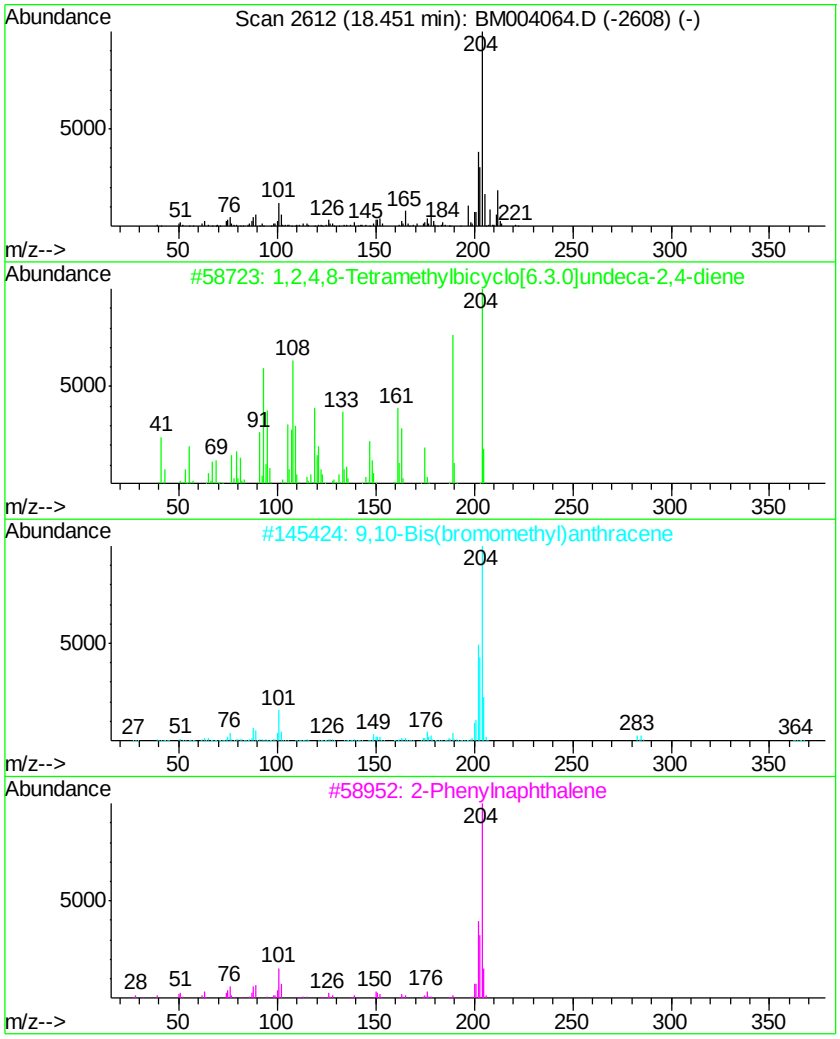
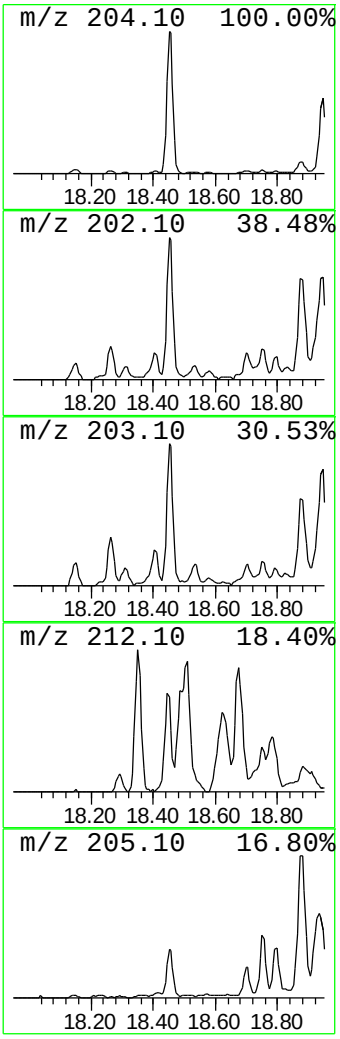
Peak Number 14 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	8.77 ng/ul	266629	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	86
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	81
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	78
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	60
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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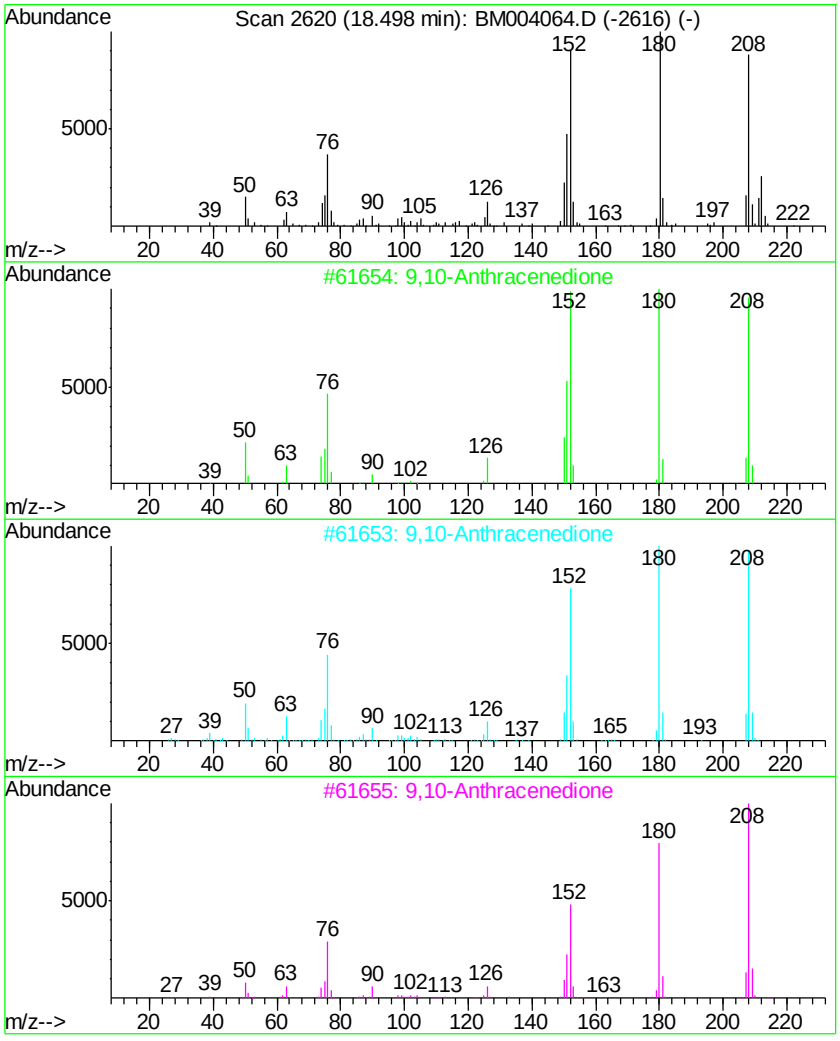
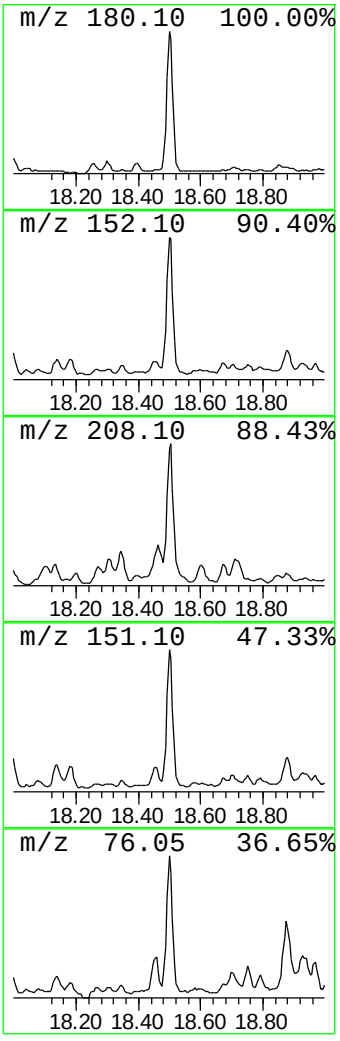
Peak Number 15 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	9.44 ng/ul	286974	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	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78





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Quant Title : SVOA CALIBRATION

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

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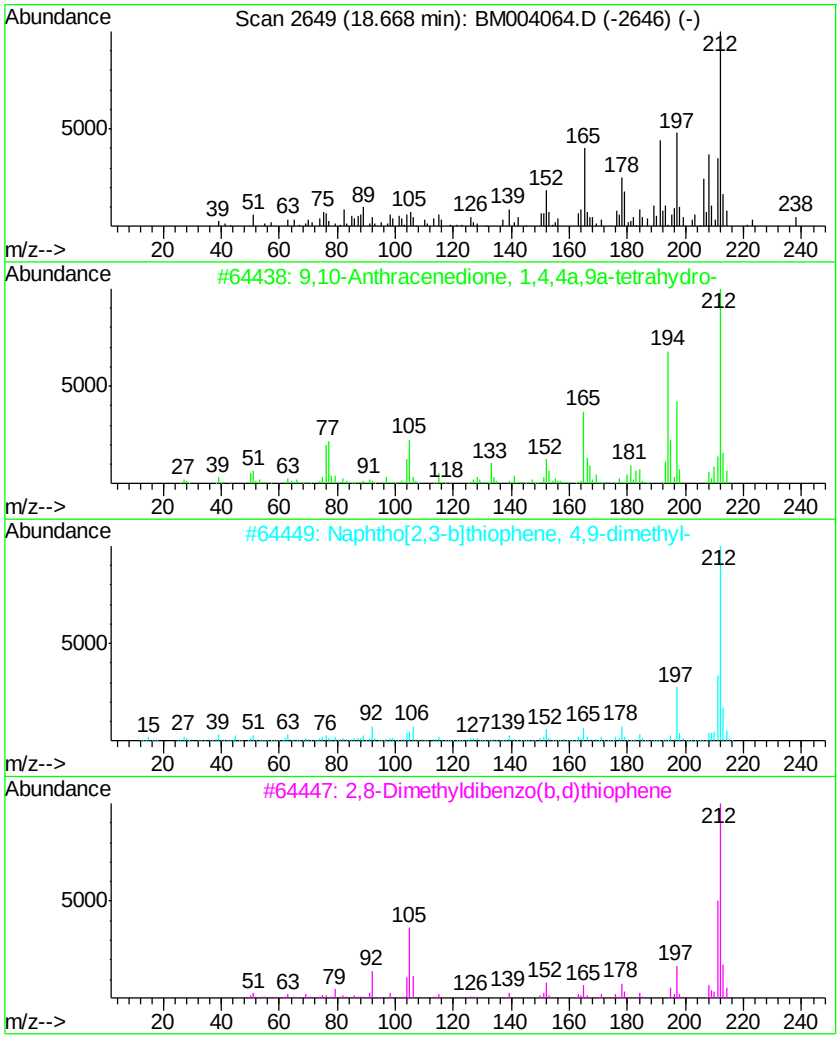
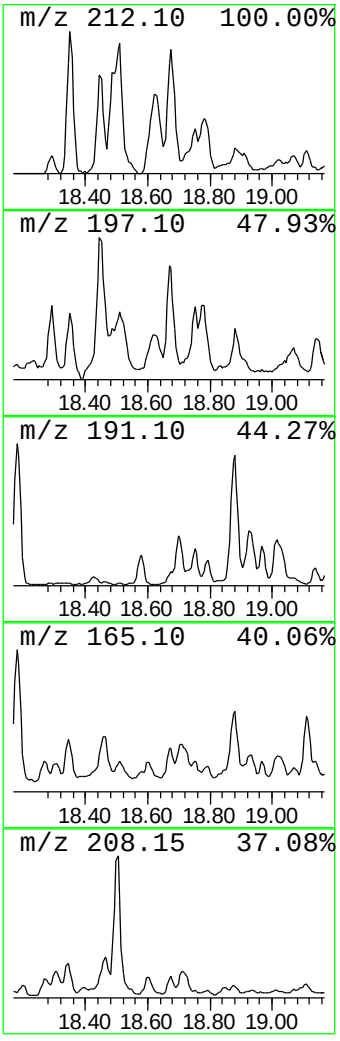
Peak Number 16 9,10-Anthracenedione, 1,4,4... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.67	3.18 ng/ul	96814	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	60
2	Naphtho[2,3-b]thiophene, 4,9-dim...	212	C14H12S	016587-34-1	58
3	2,8-Dimethyldibenzo(b,d)thiophene	212	C14H12S	001207-15-4	49
4	Phenyl .beta.-styryl sulfide	212	C14H12S	016619-61-7	43
5	Benzoic acid, 3,4,5-trimethoxy-	212	C10H12O5	000118-41-2	38





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

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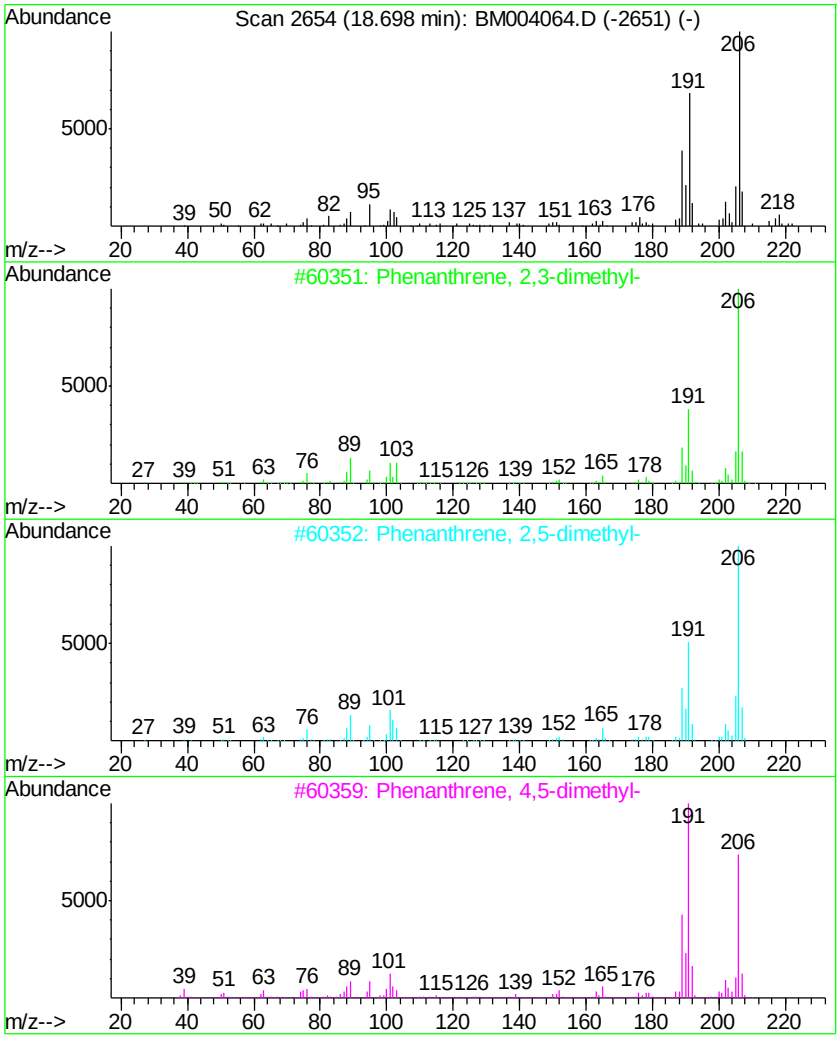
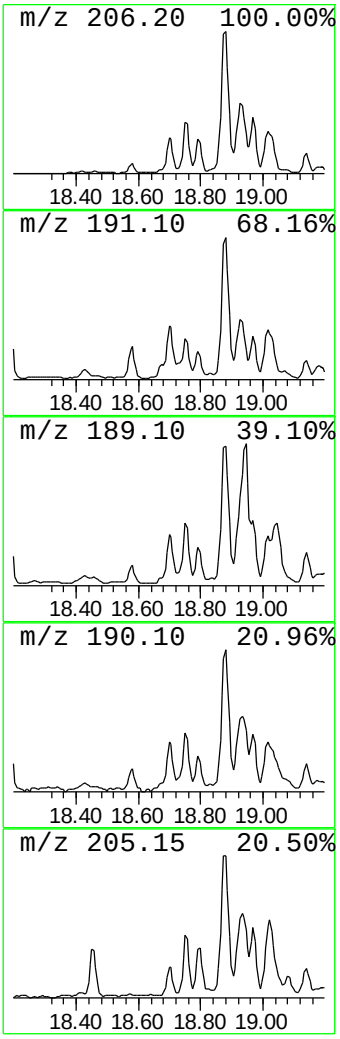
Peak Number 17 Phenanthrene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	7.30 ng/ul	221828	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	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	80
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	74





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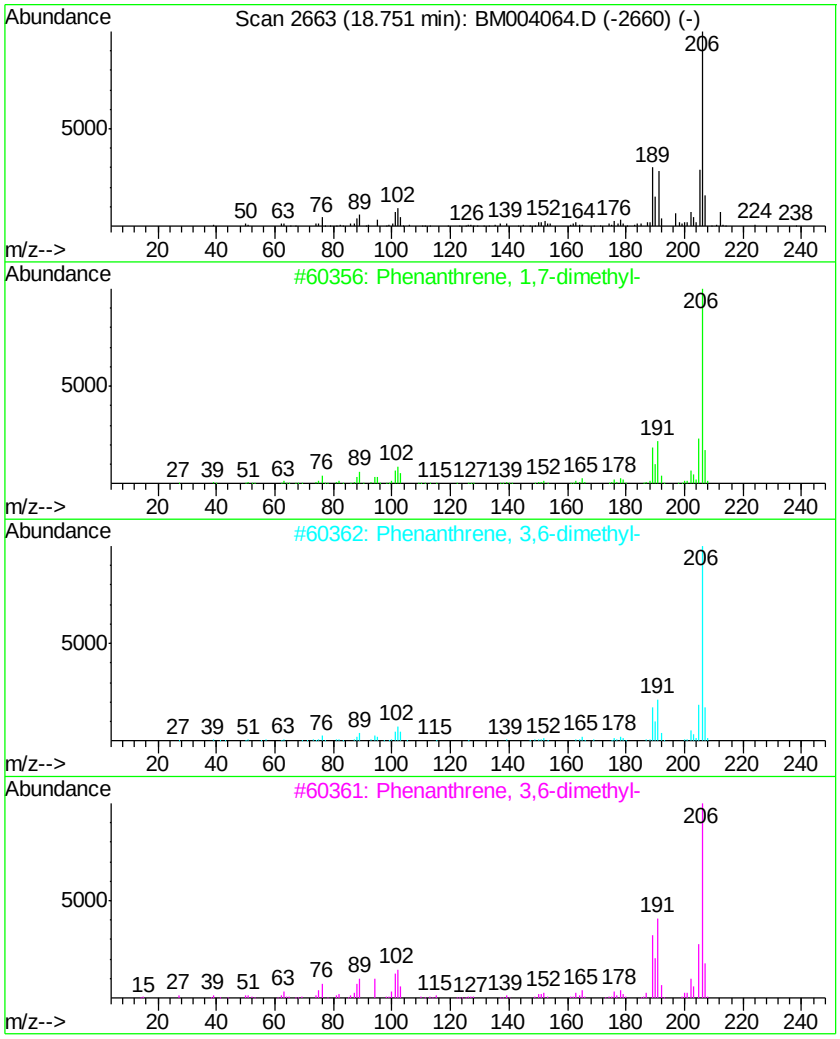
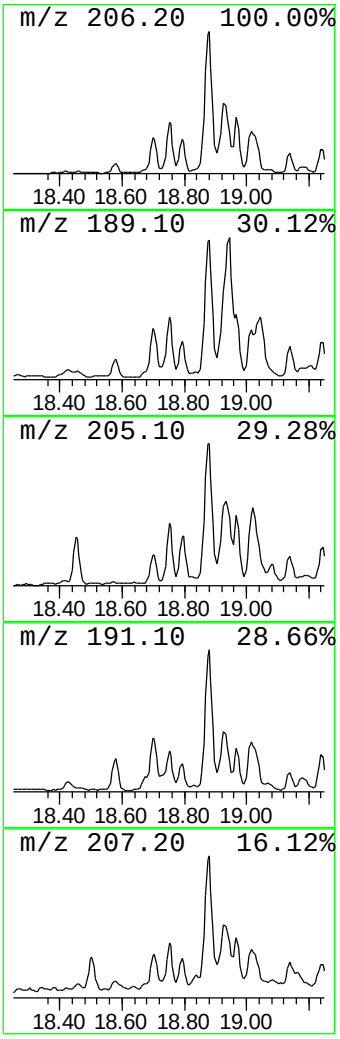
Peak Number 18 Phenanthrene, 1,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.75	6.81 ng/ul	206980	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	83





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Operator : SJ/UM
Sample : H1100-04
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Quant Title : SVOA CALIBRATION

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

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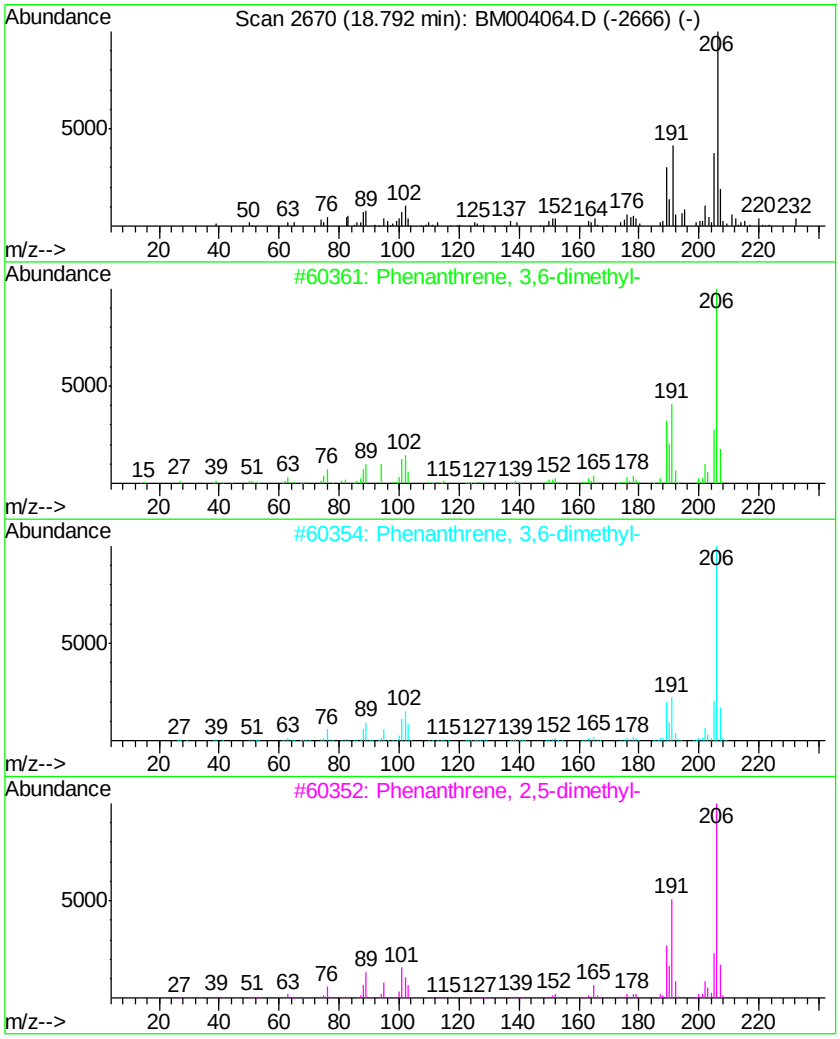
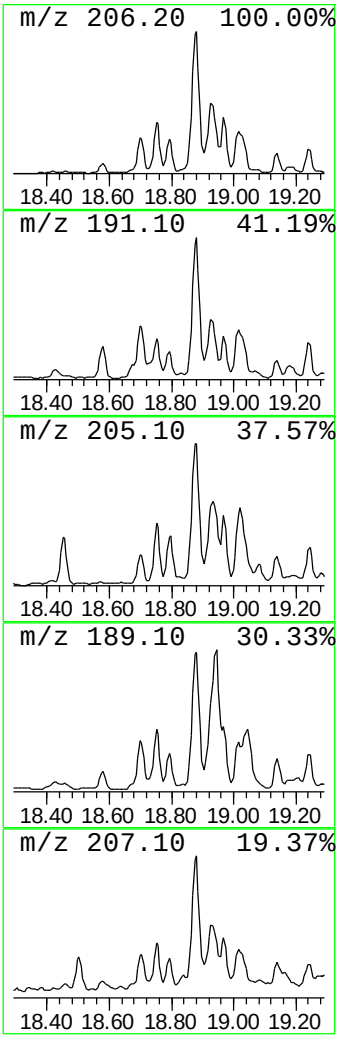
Peak Number 19 Phenanthrene, 3,6-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	5.06 ng/ul	153780	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	89
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86





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Data File : BM004064.D
Acq On : 16 Jan 2016 01:01
Operator : SJ/UM
Sample : H1100-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC985

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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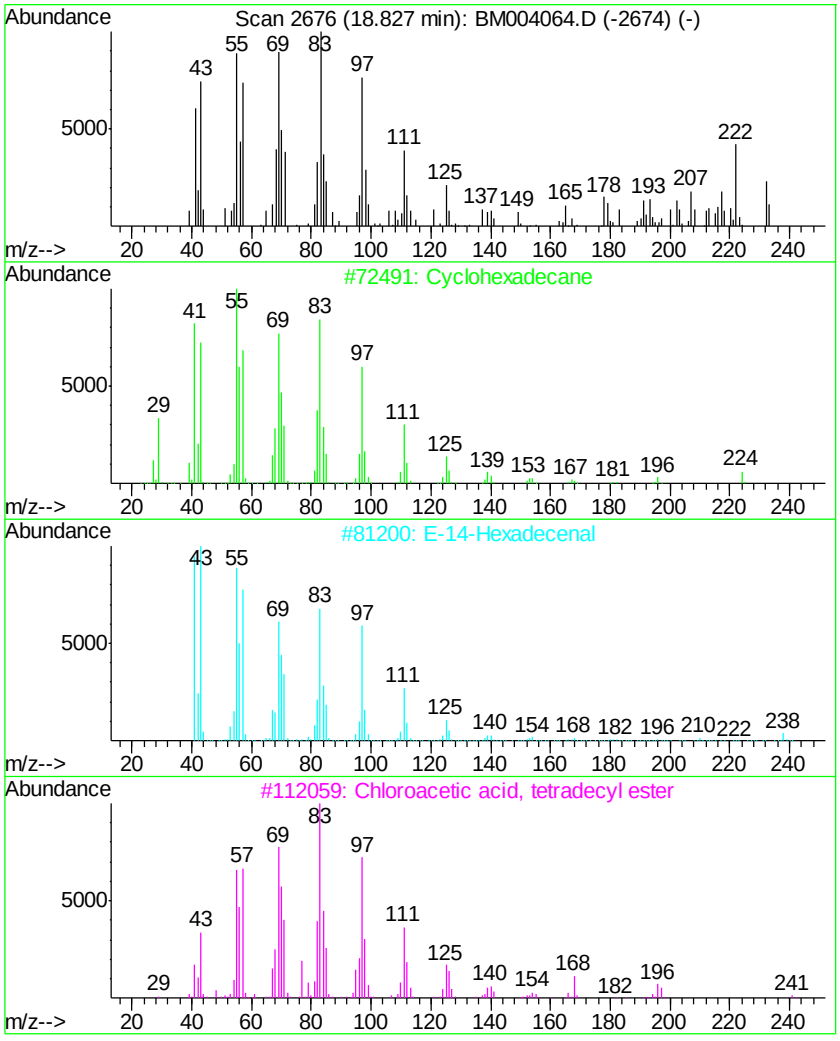
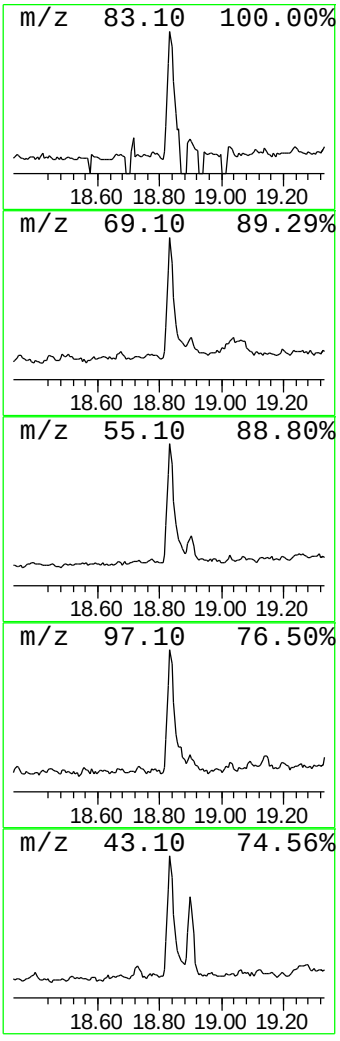
Peak Number 20 (DEL) Alkane: Cyclic18.83 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	3.32 ng/ul	100911	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	97
2	E-14-Hexadecenal	238	C16H30O	330207-53-9	96
3	Chloroacetic acid, tetradecyl ester	290	C16H31ClO2	018277-86-6	81
4	1-Hexadecanol	242	C16H34O	036653-82-4	81
5	4-Heptafluorobutyryloxyhexadecane	438	C20H33F7O2	1000282-97-2	81





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Sample : H1100-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC985

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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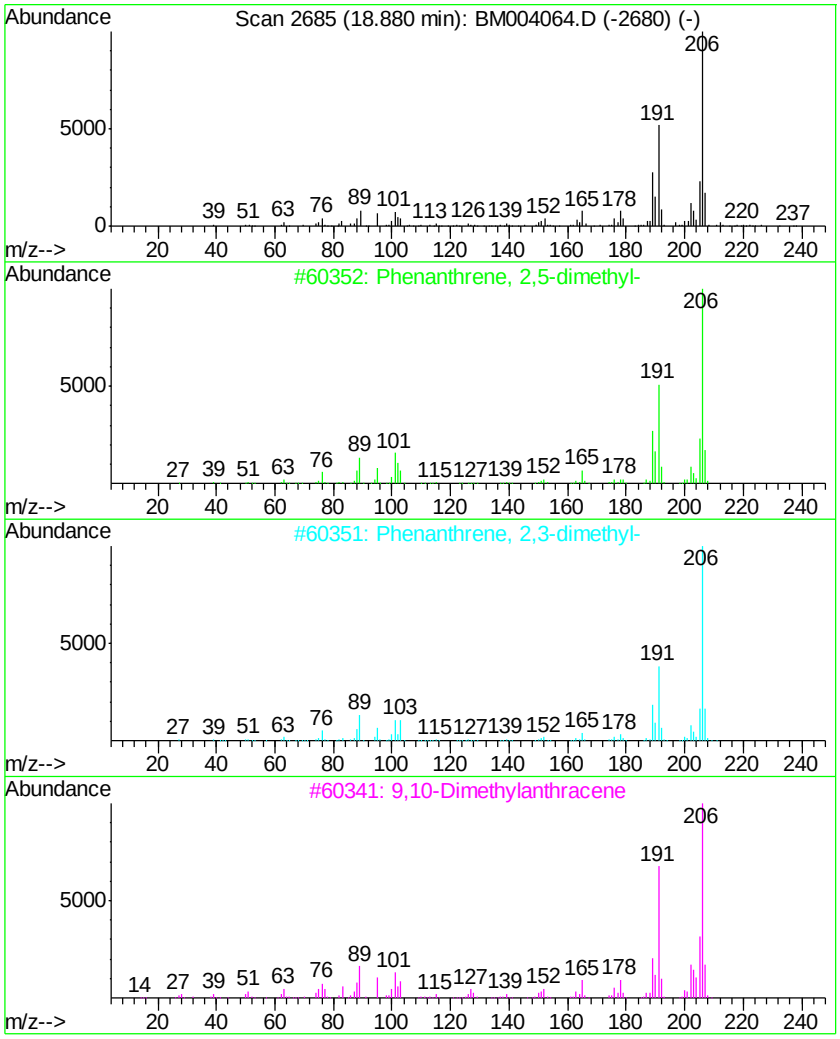
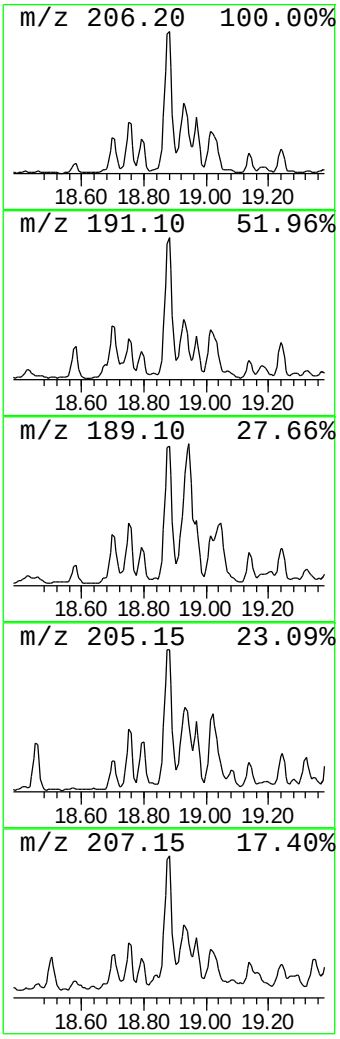
Peak Number 21 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	26.92 ng/ul	818372	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	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89





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Instrument : BNA_M
ClientSampleId : BC985

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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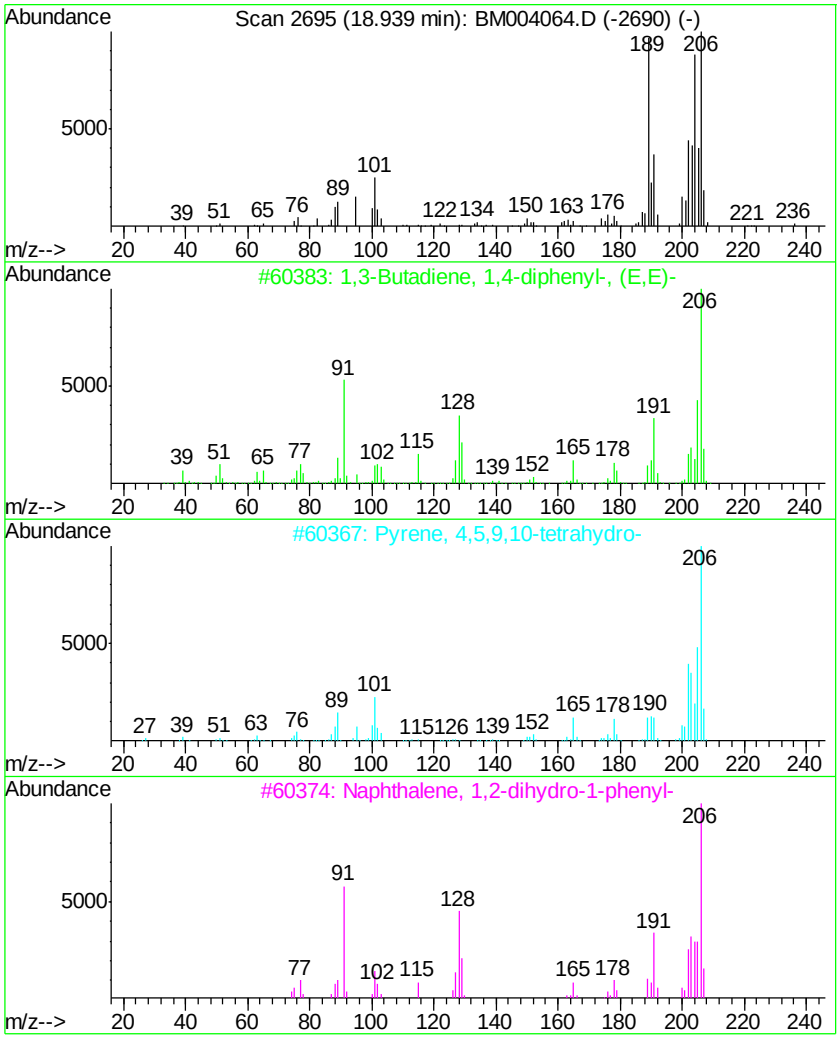
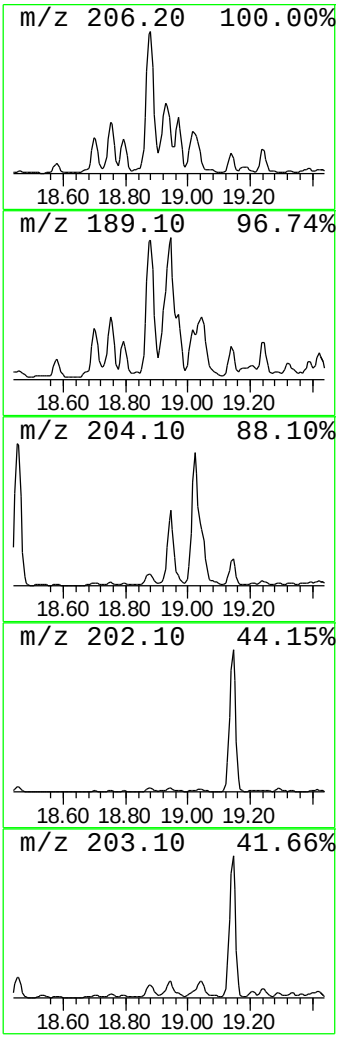
Peak Number 22 unknown-02 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	15.77 ng/ul	479566	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	42
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
3	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	38
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	30
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	30





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Sample : H1100-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC985

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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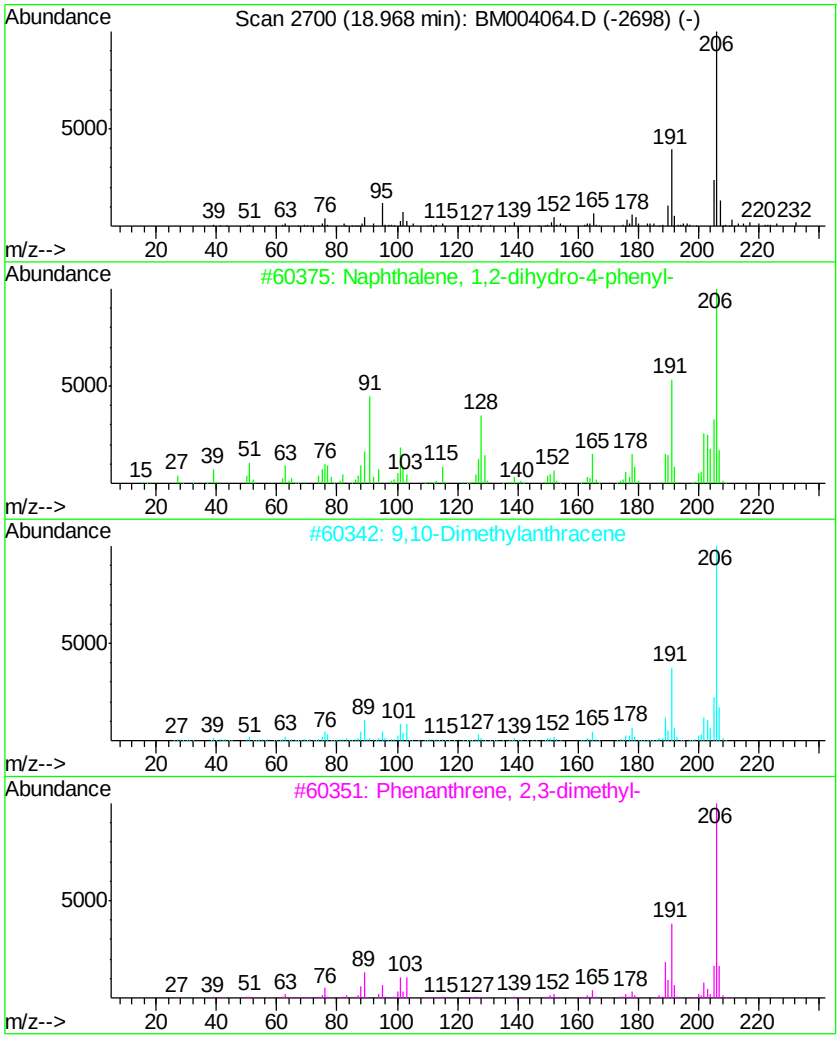
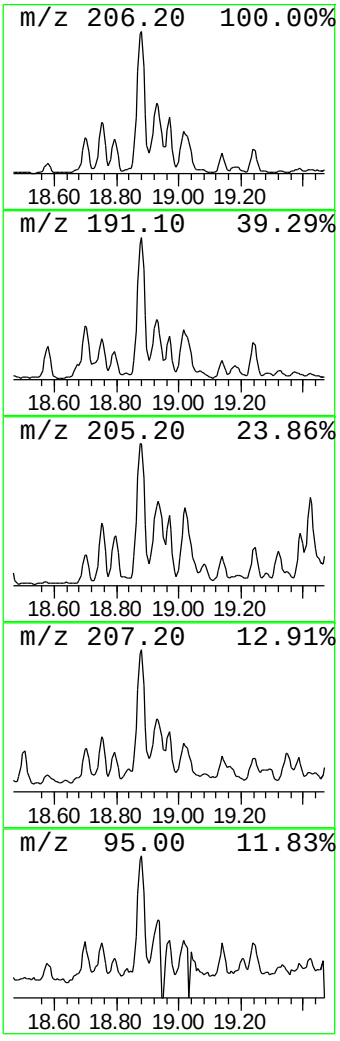
Peak Number 23 Naphthalene, 1,2-dihydro-4-... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	4.95 ng/ul	150455	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	80
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	74
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	72





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Acq On : 16 Jan 2016 01:01
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Sample : H1100-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC985

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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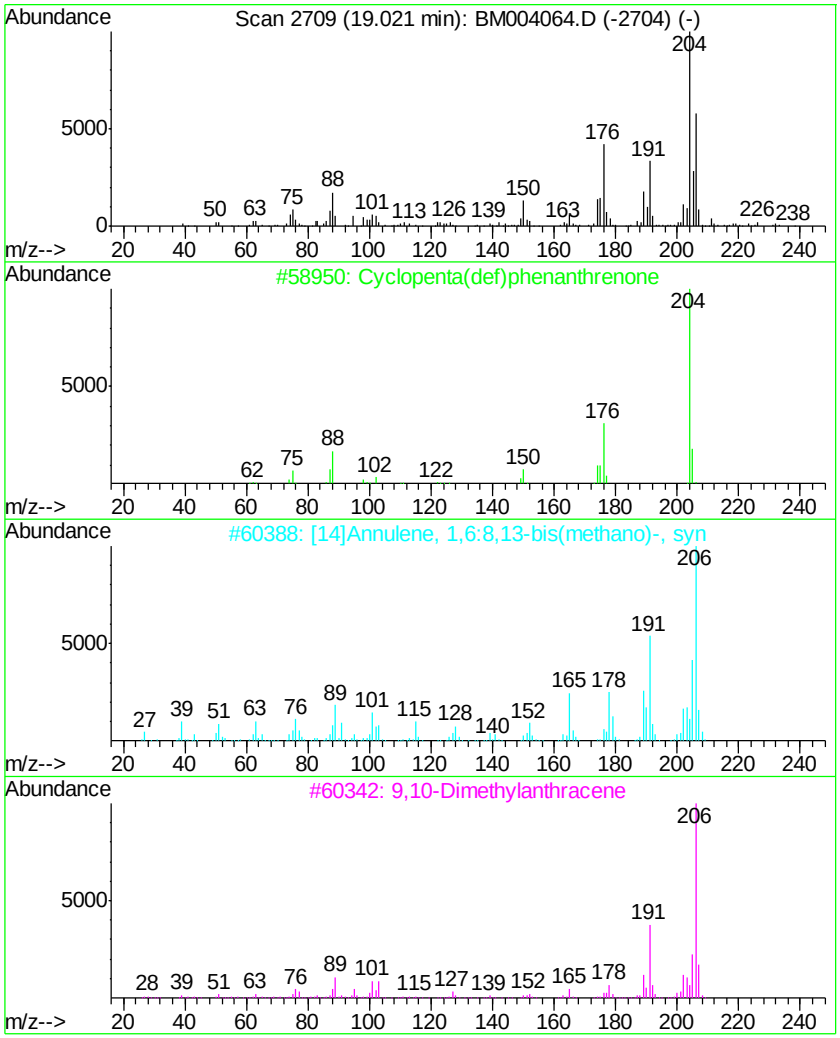
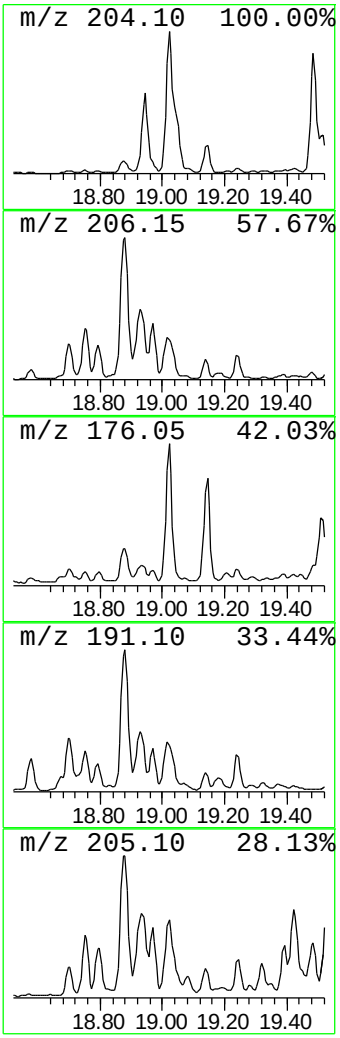
Peak Number 24 Cyclopenta(def)phenanthrenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	21.58 ng/ul	656249	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	52
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	46
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	42
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	42





Library Search Compound Report

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Acq On : 16 Jan 2016 01:01
Operator : SJ/UM
Sample : H1100-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC985

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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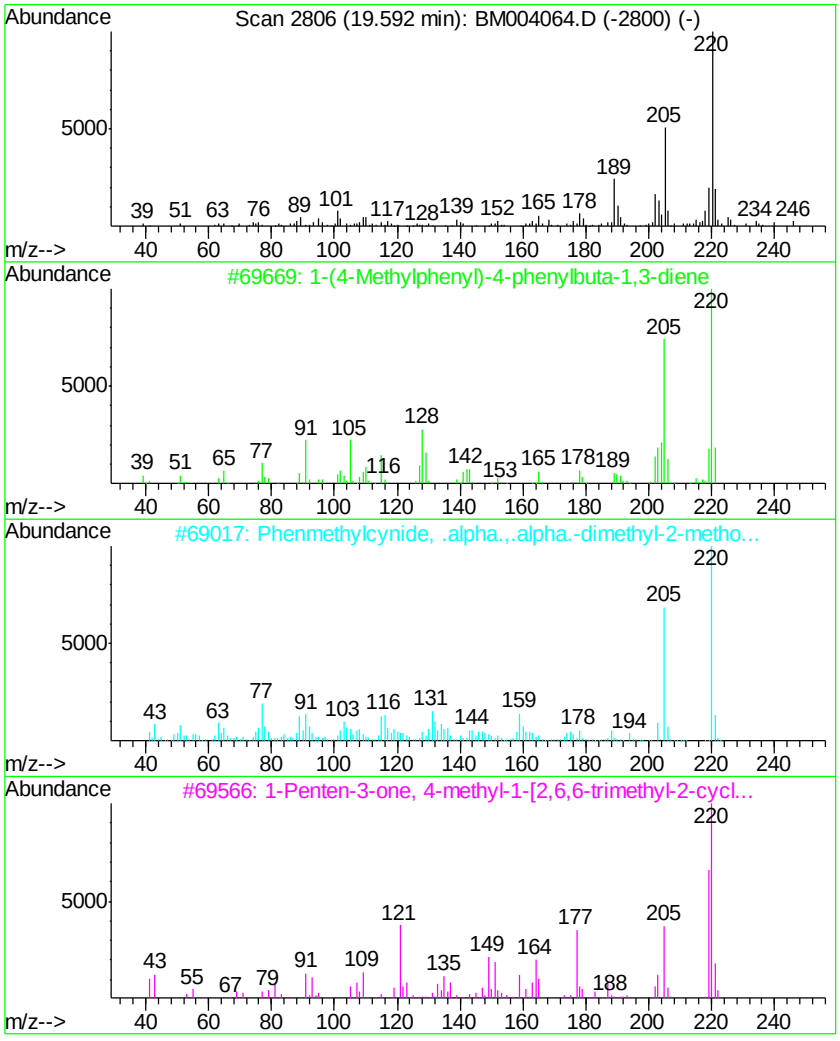
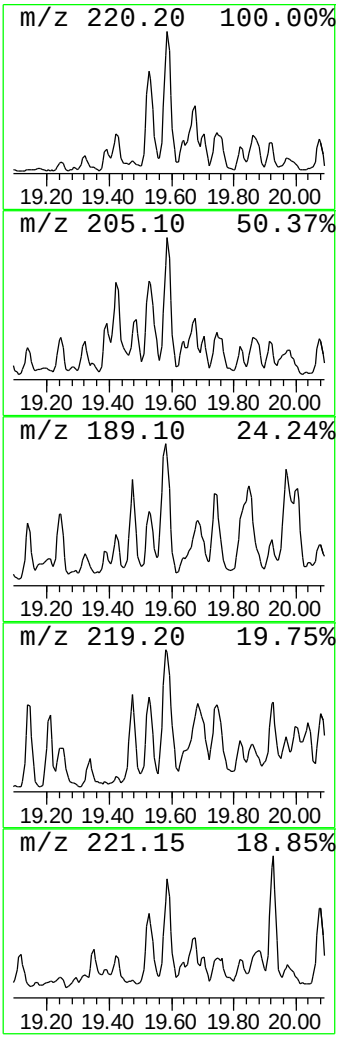
Peak Number 25 1-(4-Methylphenyl)-4-phenyl... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.59	3.48 ng/ul	330856	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	70
2	Phenmethylcynide, .alpha.,.alpha....	220	C11H12N2O3	1000128-94-6	47
3	1-Penten-3-one, 4-methyl-1-[2,6,...	220	C15H24O	1000132-20-9	47
4	1,3,2-Benzodioxaborole, 2-(2-phe...	220	C14H9BO2	058347-22-1	38
5	1H-Pyrazole, 3,4-diphenyl-	220	C15H12N2	024567-08-6	38





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Sample : H1100-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC985

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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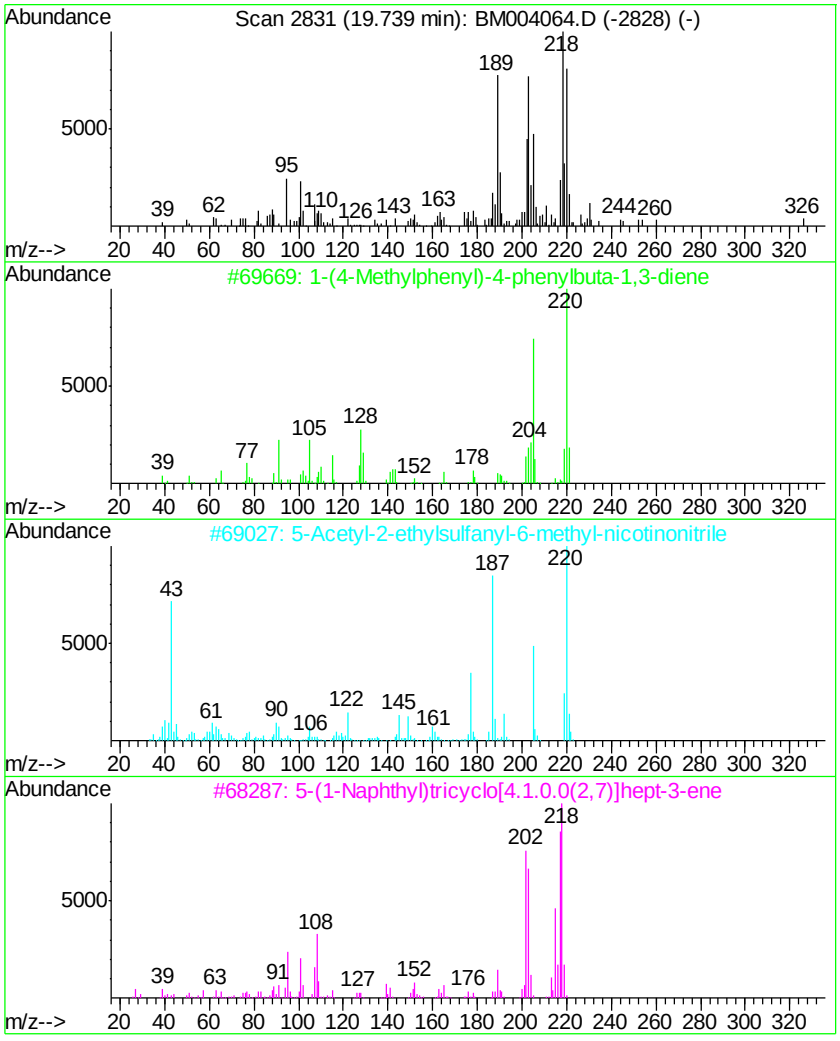
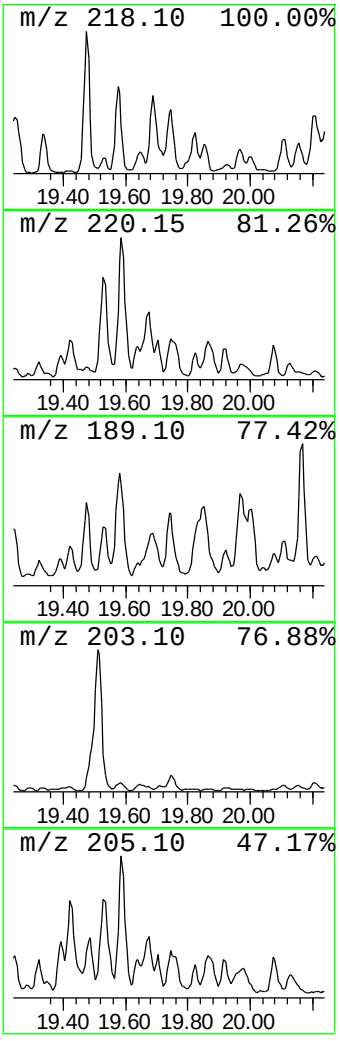
Peak Number 26 unknown-03 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.74	2.35 ng/ul	222934	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	38
2	5-Acetyl-2-ethylsulfanyl-6-methy...	220	C11H12N2OS	303146-26-1	30
3	5-(1-Naphthyl)tricyclo[4.1.0.0(2...	218	C17H14	107729-05-5	30
4	1-Hydroxypyrene	218	C16H10O	005315-79-7	25
5	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	25





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Acq On : 16 Jan 2016 01:01
Operator : SJ/UM
Sample : H1100-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC985

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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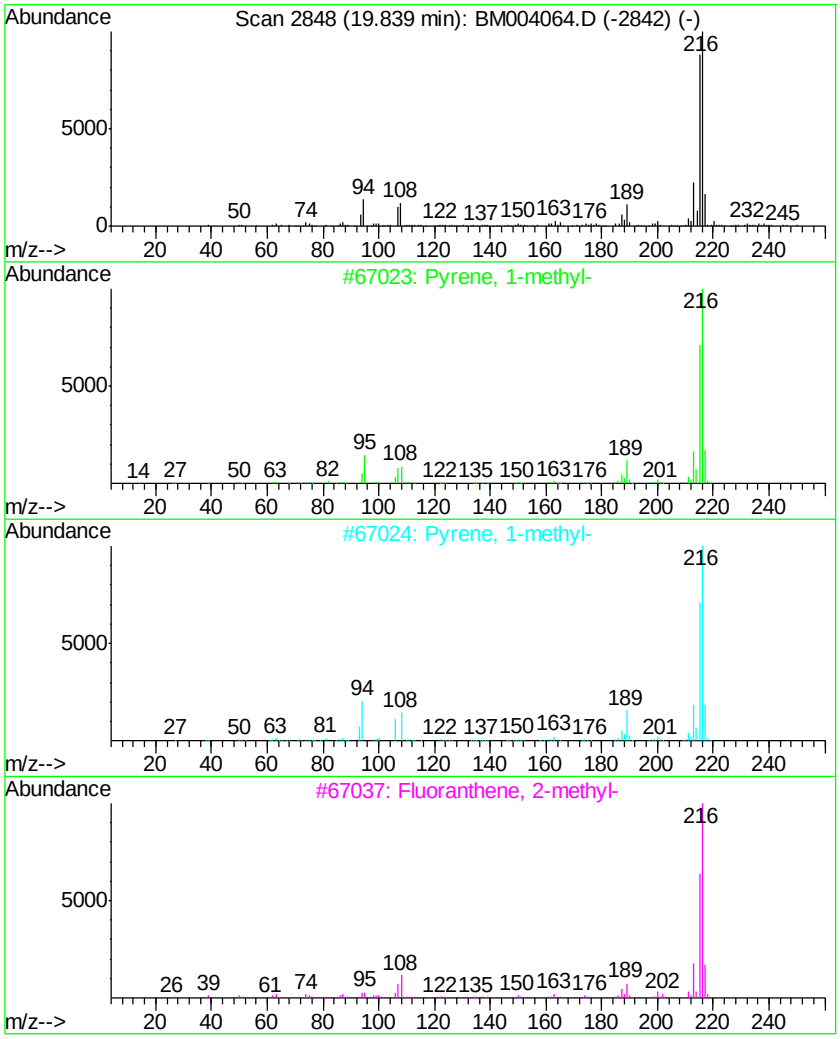
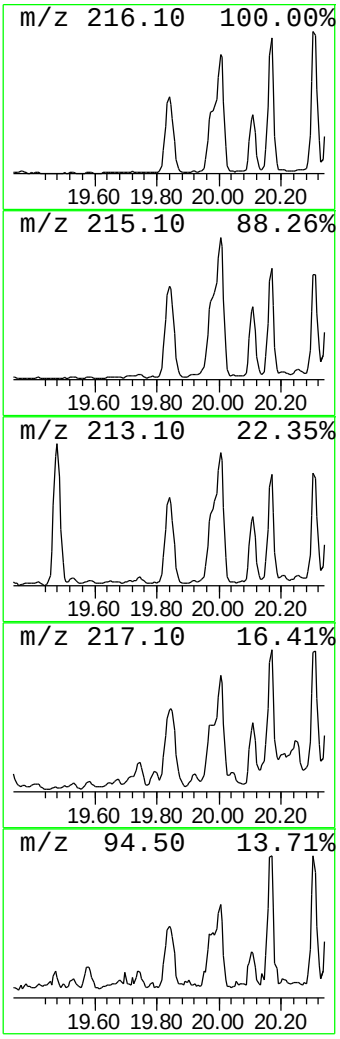
Peak Number 27 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.84	7.75 ng/ul	735687	Chrysene-d12	21.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93





Library Search Compound Report

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Data File : BM004064.D
Acq On : 16 Jan 2016 01:01
Operator : SJ/UM
Sample : H1100-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC985

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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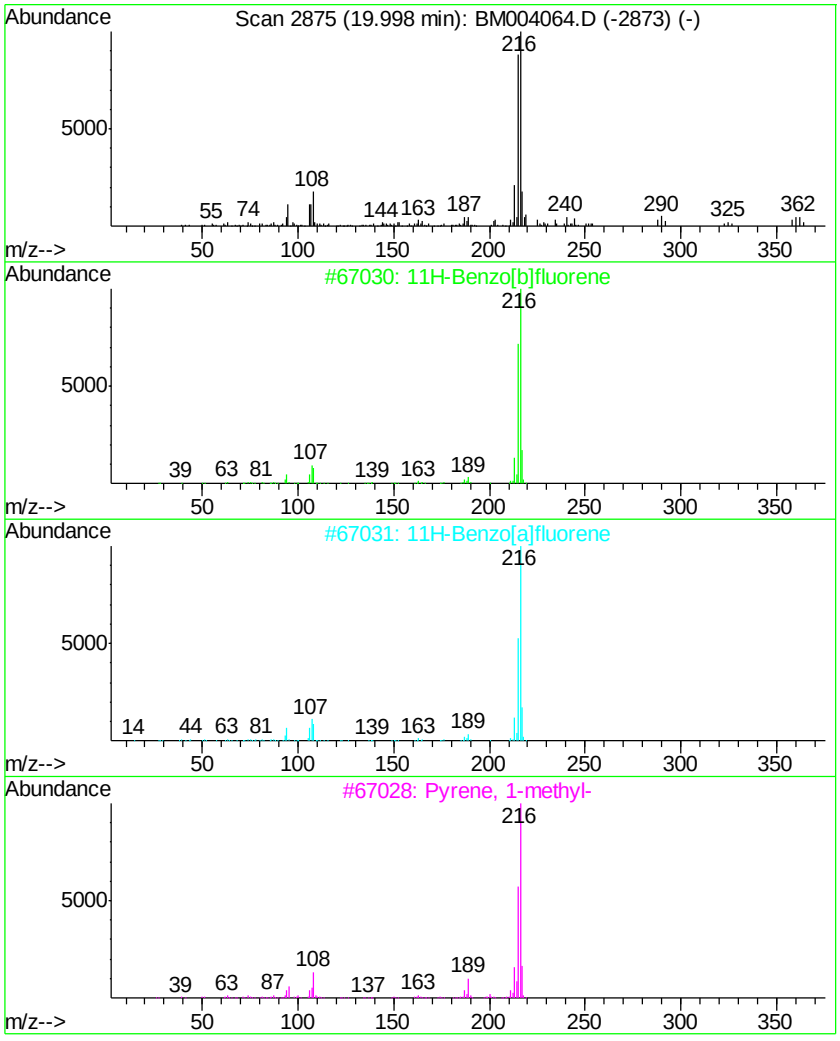
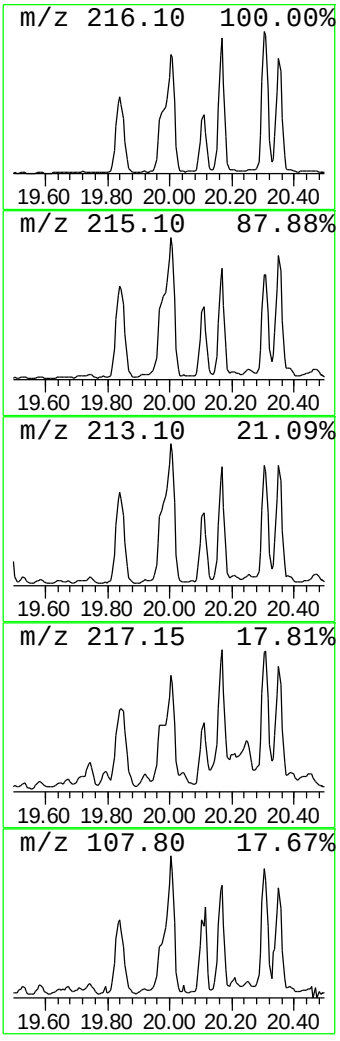
Peak Number 29 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	6.37 ng/ul	604965	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[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	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





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Operator : SJ/UM
Sample : H1100-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC985

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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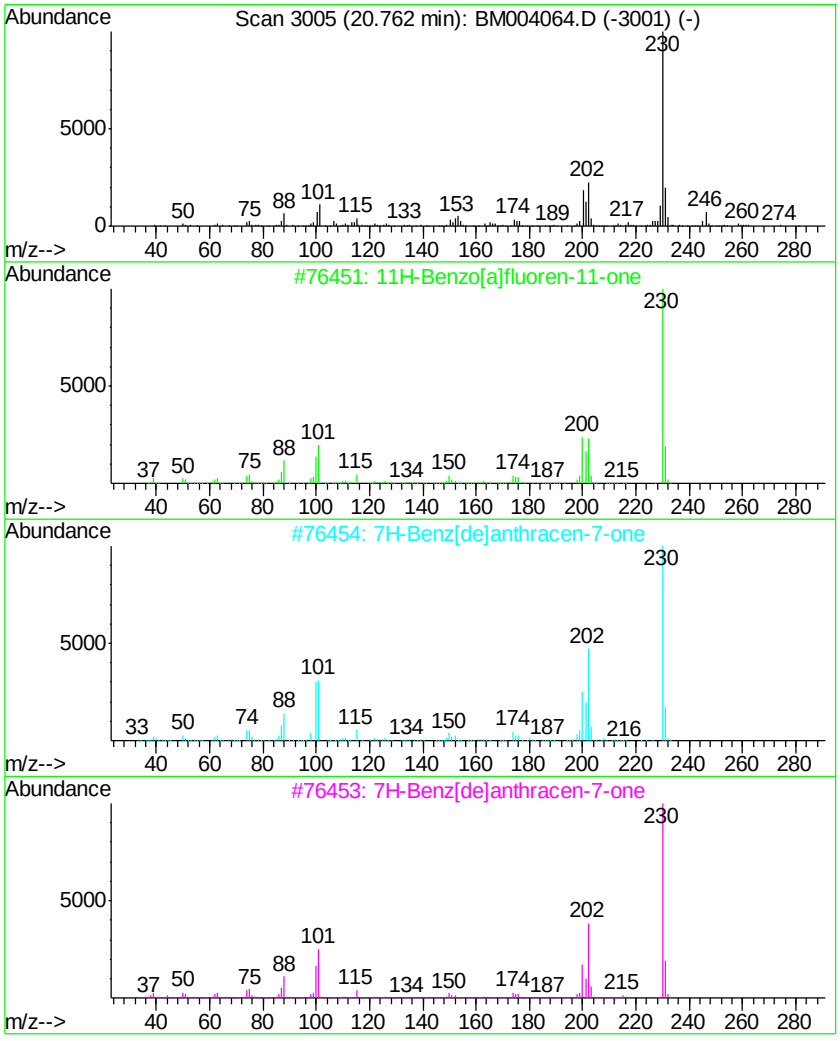
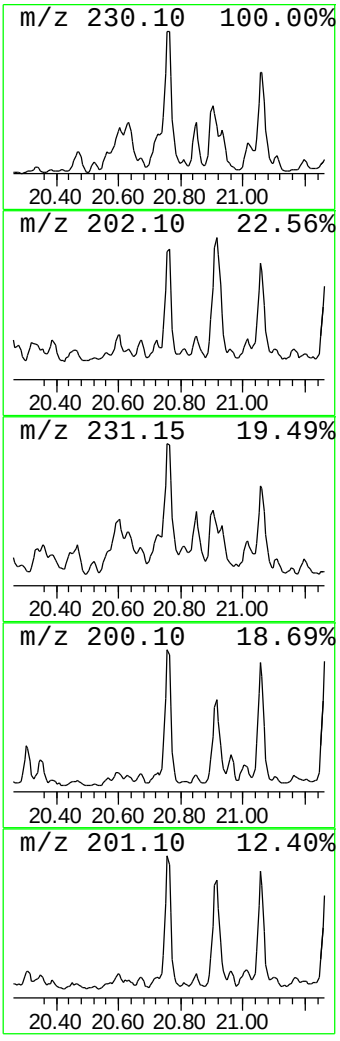
Peak Number 34 11H-Benzo[a]fluoren-11-one Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.76	4.41 ng/ul	419124	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	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76





Tentatively Identified Compound (LSC) summary

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Data File : BM004064.D
Acq On : 16 Jan 2016 01:01
Operator : SJ/UM
Sample : H1100-04
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC985

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
1(2H)-Acenaphthyl...	16.05	6.1	ng/ul	184686	4	17.07	608092	20.0
9H-Fluorene, 2-me...	16.43	3.3	ng/ul	99122	4	17.07	608092	20.0
9H-Fluoren-9-one	16.73	3.7	ng/ul	113283	4	17.07	608092	20.0
Dibenzothiophene	16.89	3.2	ng/ul	95947	4	17.07	608092	20.0
Anthracene, 9,10-...	17.27	4.1	ng/ul	125523	4	17.07	608092	20.0
Dibenzothiophene,...	17.65	5.7	ng/ul	174632	4	17.07	608092	20.0
Phenanthrene, 4-m...	17.95	17.4	ng/ul	529149	4	17.07	608092	20.0
Phenanthrene, 2-m...	18.00	19.6	ng/ul	596342	4	17.07	608092	20.0
Phenanthrene, 1-m...	18.14	31.4	ng/ul	953148	4	17.07	608092	20.0
unknown-01	18.26	3.3	ng/ul	101421	4	17.07	608092	20.0
2,8-Dimethyldiben...	18.34	3.6	ng/ul	110972	4	17.07	608092	20.0
1,2,4,8-Tetrameth...	18.45	8.8	ng/ul	266629	4	17.07	608092	20.0
9,10-Anthracenedione	18.50	9.4	ng/ul	286974	4	17.07	608092	20.0
9,10-Anthracenedi...	18.67	3.2	ng/ul	96814	4	17.07	608092	20.0
Phenanthrene, 2,3...	18.70	7.3	ng/ul	221828	4	17.07	608092	20.0
Phenanthrene, 1,7...	18.75	6.8	ng/ul	206980	4	17.07	608092	20.0
Phenanthrene, 3,6...	18.79	5.1	ng/ul	153780	4	17.07	608092	20.0
(DEL) Alkane: Cyc...	18.83	3.3	ng/ul	100911	4	17.07	608092	20.0
Phenanthrene, 2,5...	18.88	26.9	ng/ul	818372	4	17.07	608092	20.0
unknown-02	18.94	15.8	ng/ul	479566	4	17.07	608092	20.0
Naphthalene, 1,2-...	18.97	5.0	ng/ul	150455	4	17.07	608092	20.0
Cyclopenta(def)ph...	19.02	21.6	ng/ul	656249	4	17.07	608092	20.0
1-(4-Methylphenyl...	19.59	3.5	ng/ul	330856	5	21.28	1899190	20.0
unknown-03	19.74	2.4	ng/ul	222934	5	21.28	1899190	20.0
Pyrene, 1-methyl-	19.84	7.8	ng/ul	735687	5	21.28	1899190	20.0
11H-Benzo[b]fluorene	20.00	6.4	ng/ul	604965	5	21.28	1899190	20.0
11H-Benzo[a]fluor...	20.76	4.4	ng/ul	419124	5	21.28	1899190	20.0