LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002229.D
Acq On : 05 Aug 2015 02:56
Operator : TP/UM
Sample : G3095-12RE
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S3RE

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-BM080415.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	6.722	681	686	698	rVB	171026	293481	0.78%	0.081%
2	7.522	814	822	831	rBB	470408	721564	1.91%	0.199%
3	8.257	941	947	954	rBV	215903	341945	0.90%	0.094%
4	9.957	1230	1236	1245	rBV	226241	372483	0.98%	0.103%
5	10.316	1285	1297	1301	rBV	569231	1029492	2.72%	0.284%
6	10.374	1301	1307	1313	rVV	2679934	4332320	11.44%	1.195%
7	10.469	1317	1323	1339	rVB2	119776	280772	0.74%	0.077%
8	11.992	1575	1582	1590	rBB	610349	958094	2.53%	0.264%
9	12.216	1610	1620	1630	rVB	307408	487293	1.29%	0.134%
10	13.021	1750	1757	1765	rBV	230350	358284	0.95%	0.099%
11	13.615	1854	1858	1863	rVV	337903	490390	1.30%	0.135%
12	13.892	1899	1905	1908	rBV	399091	604575	1.60%	0.167%
13	14.204	1949	1958	1964	rVV3	781473	1374907	3.63%	0.379%
14	14.280	1964	1971	1977	rVB	4259791	6235304	16.47%	1.720%
15	14.515	2007	2011	2016	rVB	217301	315168	0.83%	0.087%
16	14.610	2021	2027	2036	rVV	1409938	2054347	5.43%	0.567%
17	15.204	2121	2128	2133	rVV	474434	719076	1.90%	0.198%
18	15.262	2133	2138	2148	rVB	2568805	3640475	9.62%	1.004%
19	15.386	2155	2159	2162	rVV	260704	403223	1.07%	0.111%
20	15.421	2162	2165	2169	rVV	312275	427990	1.13%	0.118%
21	15.509	2176	2180	2183	rVV	214697	305667	0.81%	0.084%
22	15.551	2183	2187	2195	rVB	268958	393797	1.04%	0.109%
23	15.704	2202	2213	2220	rBV	309838	652400	1.72%	0.180%
24	15.945	2247	2254	2263	rVB3	154124	315442	0.83%	0.087%
25	16.268	2303	2309	2313	rVV2	230141	432208	1.14%	0.119%
26	16.627	2365	2370	2376	rVB	200769	312512	0.83%	0.086%
27	16.709	2376	2384	2389	rBV2	511773	845719	2.23%	0.233%
28	16.780	2389	2396	2406	rVB	994614	1520179	4.02%	0.419%
29	16.968	2421	2428	2430	rBV	707403	1172209	3.10%	0.323%
30	17.039	2430	2440	2443	rVV	13525966	26916569	71.10%	7.425%
31	17.074	2443	2446	2448	rVV2	807722	1086882	2.87%	0.300%
32	17.115	2448	2453	2457	rVV	4375332	6009826	15.88%	1.658%
33	17.162	2457	2461	2470	rVB	546354	789699	2.09%	0.218%
34	17.345	2487	2492	2494	rBV	385941	551473	1.46%	0.152%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002229.D
Acq On : 05 Aug 2015 02:56
Operator : TP/UM
Sample : G3095-12RE
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S3RE

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-BM080415.M
Title : SVOA CALIBRATION

35	17.380	2494	2498	2505	rVB	2146592	3111468	8.22%	0.858%
36	17.480	2511	2515	2522	rBV4	212941	358110	0.95%	0.099%
37	17.545	2522	2526	2534	rVV6	171431	349003	0.92%	0.096%
38	17.839	2567	2576	2580	rBV	1036424	1590174	4.20%	0.439%
39	17.892	2580	2585	2590	rVV	1586518	2143798	5.66%	0.591%
40	17.974	2593	2599	2604	rVB	563906	816878	2.16%	0.225%
41	18.039	2604	2610	2614	rBV2	2732663	4431917	11.71%	1.223%
42	18.074	2614	2616	2623	rVB	631879	708763	1.87%	0.196%
43	18.345	2657	2662	2667	rVV	936568	1330106	3.51%	0.367%
44	18.403	2667	2672	2678	rVV	440944	657863	1.74%	0.181%
45	18.592	2699	2704	2709	rVB3	225154	308912	0.82%	0.085%
46	18.768	2728	2734	2739	rBV2	295935	631294	1.67%	0.174%
47	18.933	2754	2762	2767	rBV3	213232	500268	1.32%	0.138%
48	19.074	2774	2786	2790	rBV	16141775	35304848	93.26%	9.739%
49	19.145	2794	2798	2803	rVV	369749	521857	1.38%	0.144%
50	19.286	2814	2822	2826	rBV2	804051	1268134	3.35%	0.350%
51	19.439	2834	2848	2852	rBV3	14151253	37854997	100.00%	10.443%
52	19.480	2852	2855	2863	rVB2	717444	993259	2.62%	0.274%
53	19.586	2868	2873	2878	rBV	1122755	1487197	3.93%	0.410%
54	19.656	2880	2885	2890	rVB	1318037	1804318	4.77%	0.498%
55	19.739	2891	2899	2904	rBV2	808971	2032992	5.37%	0.561%
56	19.792	2904	2908	2915	rVB	736479	907301	2.40%	0.250%
57	19.874	2915	2922	2923	rBV3	753402	1317027	3.48%	0.363%
58	19.915	2924	2929	2932	rVB	3376136	4773173	12.61%	1.317%
59	20.009	2940	2945	2949	rBV	3873623	5224228	13.80%	1.441%
60	20.068	2949	2955	2958	rVV2	1153570	2118375	5.60%	0.584%
61	20.097	2958	2960	2964	rVB	1466724	1551693	4.10%	0.428%
62	20.139	2964	2967	2973	rVB2	318095	436648	1.15%	0.120%
63	20.203	2974	2978	2982	rBV	609863	812056	2.15%	0.224%
64	20.250	2982	2986	2990	rBV	737390	873505	2.31%	0.241%
65	20.491	3024	3027	3030	rVV2	261400	376994	1.00%	0.104%
66	20.533	3030	3034	3038	rVB	647295	876672	2.32%	0.242%
67	20.615	3043	3048	3052	rBV3	434809	844398	2.23%	0.233%
68	20.662	3052	3056	3060	rVB	477414	626975	1.66%	0.173%
69	20.821	3078	3083	3086	rBV	1859298	2571512	6.79%	0.709%
70	20.856	3086	3089	3093	rVV	1861472	2377365	6.28%	0.656%
71	20.903	3093	3097	3102	rVV2	1936565	3498419	9.24%	0.965%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002229.D
Acq On : 05 Aug 2015 02:56
Operator : TP/UM
Sample : G3095-12RE
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S3RE

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-BM080415.M
Title : SVOA CALIBRATION

72	20.968	3105	3108	3115	rVB	542144	779803	2.06%	0.215%
73	21.062	3117	3124	3132	rBV	685402	1706584	4.51%	0.471%
74	21.186	3133	3145	3149	rBV2	11248366	26773991	70.73%	7.386%
75	21.238	3149	3154	3158	rVV	11753615	18487559	48.84%	5.100%
76	21.344	3167	3172	3177	rVV	3951507	5106229	13.49%	1.409%
77	21.391	3177	3180	3183	rVV2	606762	894313	2.36%	0.247%
78	21.450	3186	3190	3193	rVV	1324179	1697278	4.48%	0.468%
79	21.497	3193	3198	3202	rVV2	1851104	2825370	7.46%	0.779%
80	21.544	3202	3206	3210	rVV2	299759	424751	1.12%	0.117%
81	21.668	3223	3227	3230	rBV2	651822	1104301	2.92%	0.305%
82	21.721	3232	3236	3240	rVV	1671347	2548594	6.73%	0.703%
83	21.768	3241	3244	3251	rVB2	842674	1323508	3.50%	0.365%
84	21.874	3258	3262	3266	rVV2	941563	1278175	3.38%	0.353%
85	21.915	3266	3269	3272	rVV	1081814	1657941	4.38%	0.457%
86	21.950	3272	3275	3280	rVB	1795026	2425347	6.41%	0.669%
87	22.003	3280	3284	3289	rBV3	985548	1474460	3.90%	0.407%
88	22.209	3314	3319	3322	rBV3	771031	1402031	3.70%	0.387%
89	22.480	3361	3365	3371	rBV	652950	1226866	3.24%	0.338%
90	22.762	3400	3413	3417	rBV	8154386	26594144	70.25%	7.336%
91	22.833	3422	3425	3431	rVB3	642035	946109	2.50%	0.261%
92	22.903	3431	3437	3442	rBV	2118994	3275857	8.65%	0.904%
93	23.027	3454	3458	3465	rBV3	412386	1057201	2.79%	0.292%
94	23.221	3482	3491	3499	rBV	4511609	11453404	30.26%	3.160%
95	23.332	3500	3510	3515	rVB	7660417	18704695	49.41%	5.160%
96	23.403	3517	3522	3525	rVV	834594	1554980	4.11%	0.429%
97	23.456	3525	3531	3536	rVB	3294444	6058601	16.00%	1.671%
98	24.238	3660	3664	3675	rVB	786463	1825752	4.82%	0.504%
99	25.668	3892	3907	3912	rVB2	3140361	12037982	31.80%	3.321%
100	26.362	4009	4025	4034	rVB2	2729749	11708590	30.93%	3.230%

Sum of corrected areas: 362492678

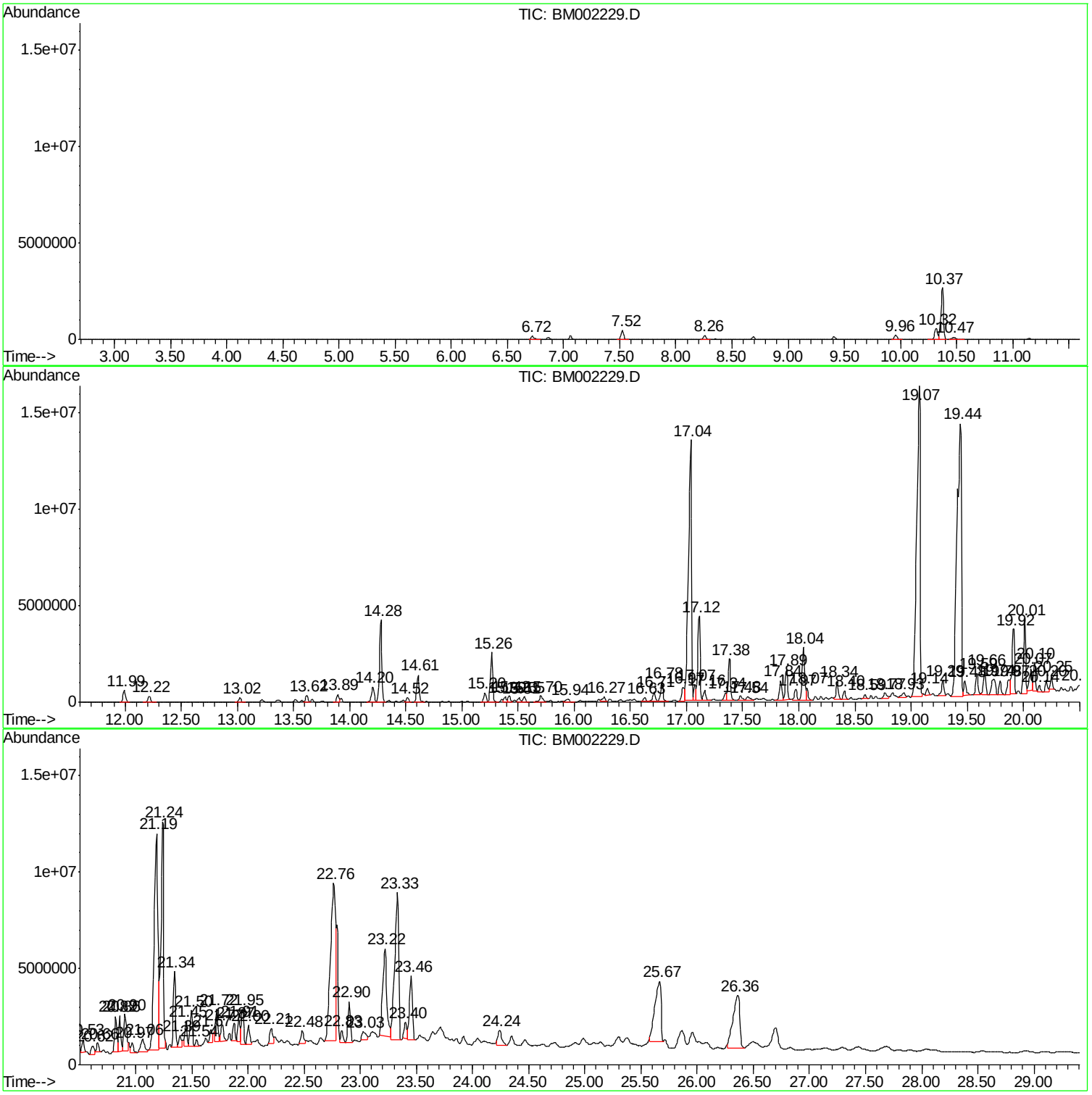
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002229.D
Acq On : 05 Aug 2015 02:56
Operator : TP/UM
Sample : G3095-12RE
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S3RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002229.D
Acq On : 05 Aug 2015 02:56
Operator : TP/UM
Sample : G3095-12RE
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S3RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

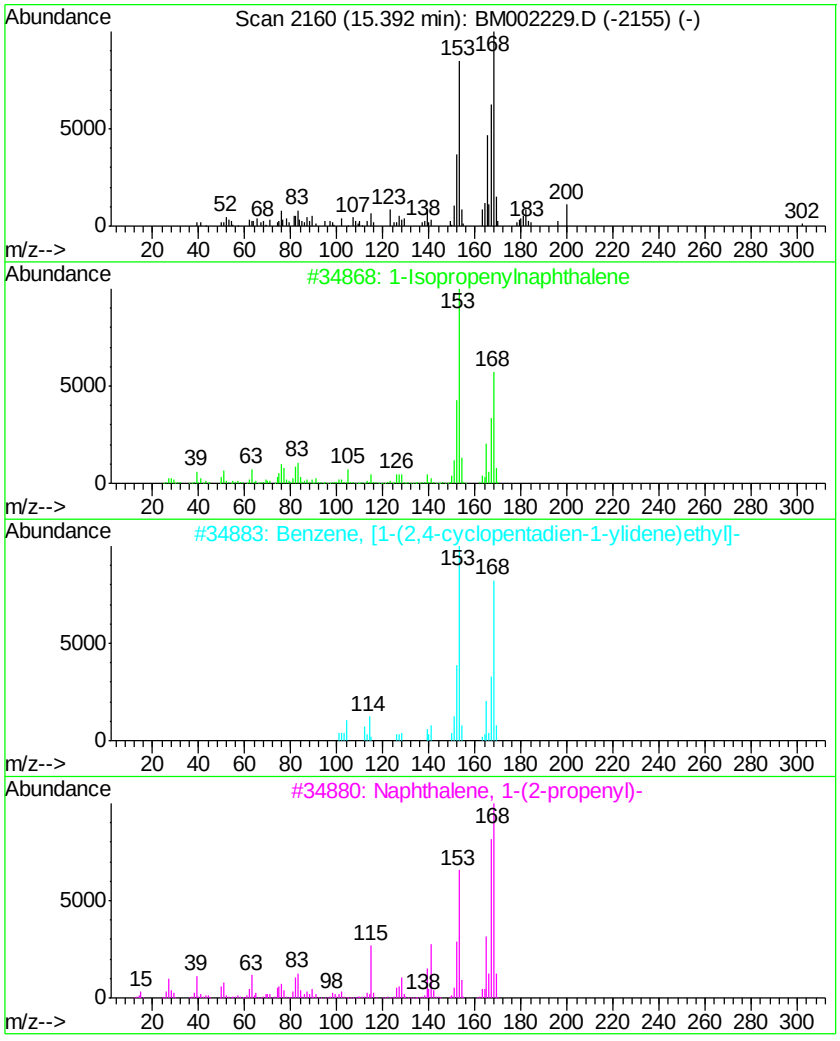
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

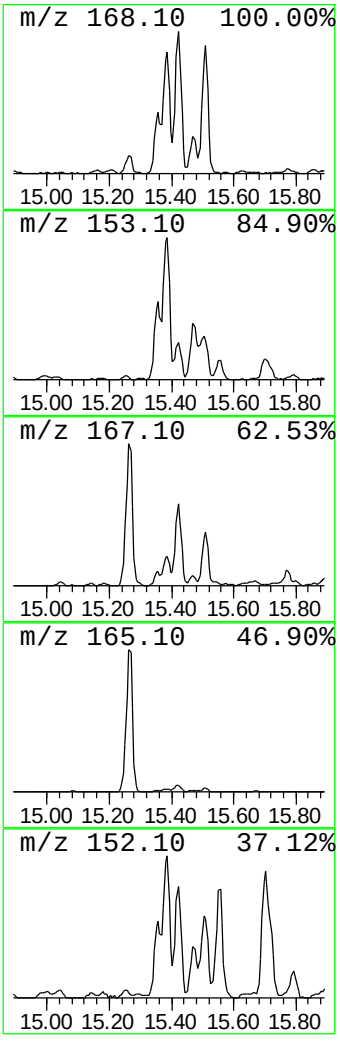
****

Peak Number 1 1-Isopropenylnaphthalene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	5.87 ng/ul	403223	Acenaphthene-d10	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	93
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	90
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	59
4	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	59
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	49





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002229.D
Acq On : 05 Aug 2015 02:56
Operator : TP/UM
Sample : G3095-12RE
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S3RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

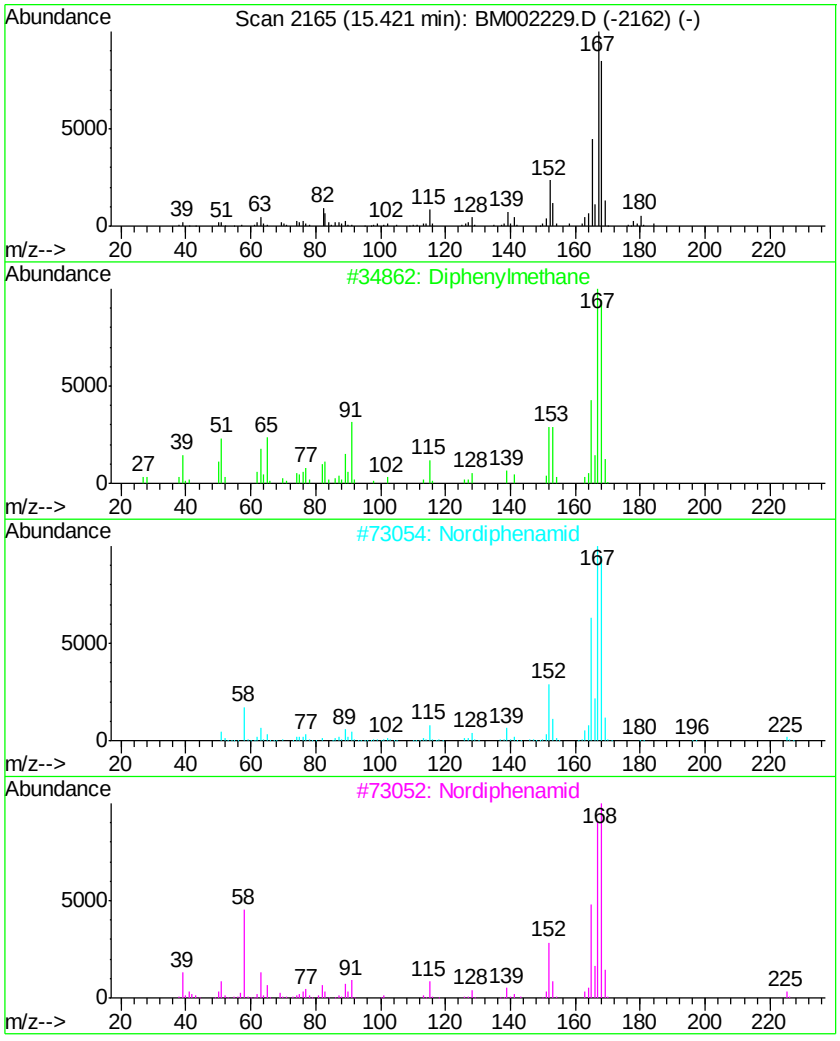
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

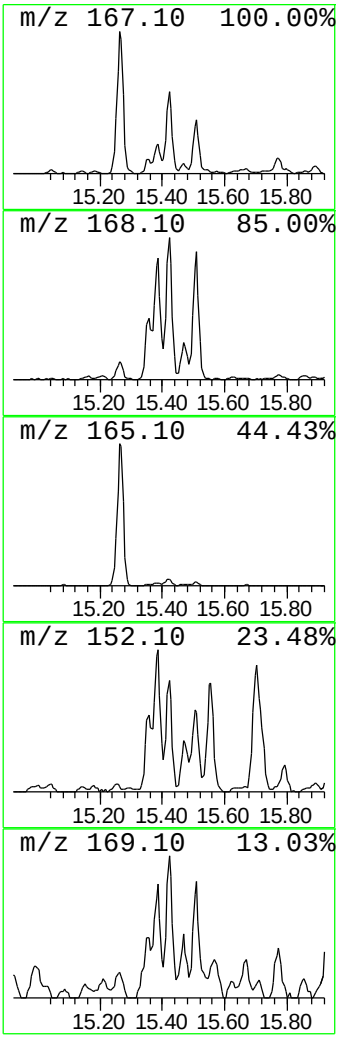
****

Peak Number 2 Diphenylmethane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	6.23 ng/ul	427990	Acenaphthene-d10	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	89
2	Nordiphenamid	225	C15H15NO	000954-21-2	86
3	Nordiphenamid	225	C15H15NO	000954-21-2	72
4	Diphenylmethane	168	C13H12	000101-81-5	68
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	64





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002229.D
Acq On : 05 Aug 2015 02:56
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Sample : G3095-12RE
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S3RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

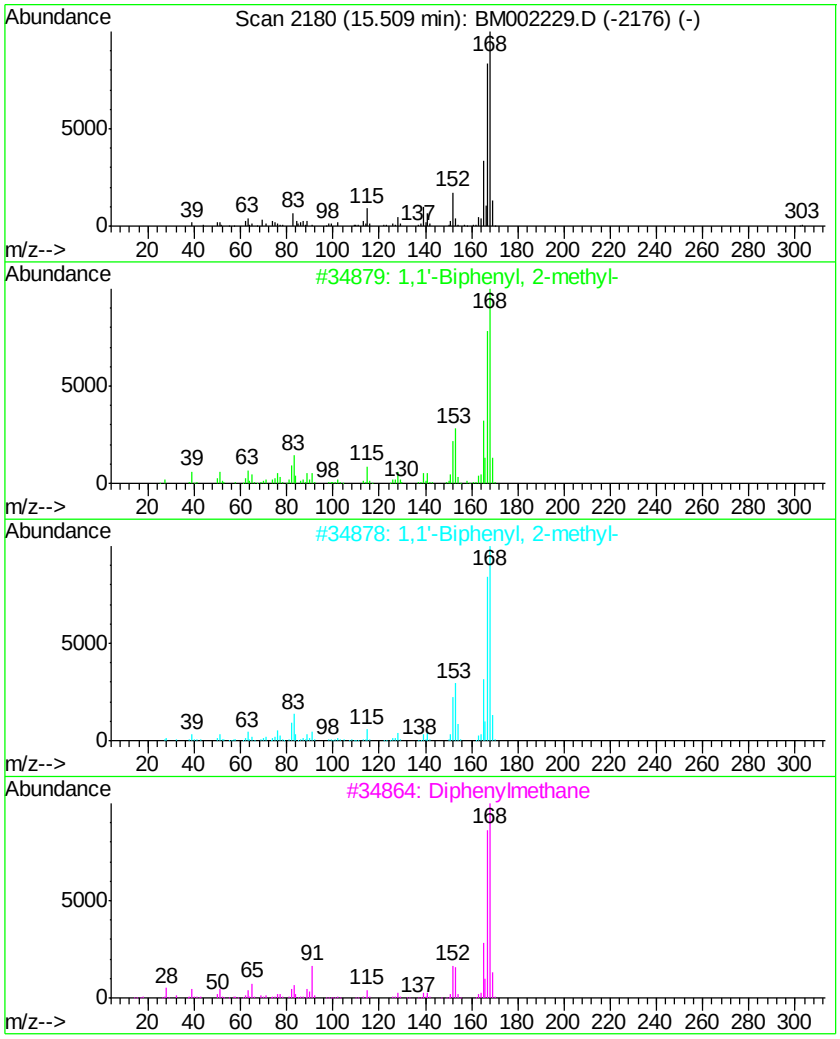
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

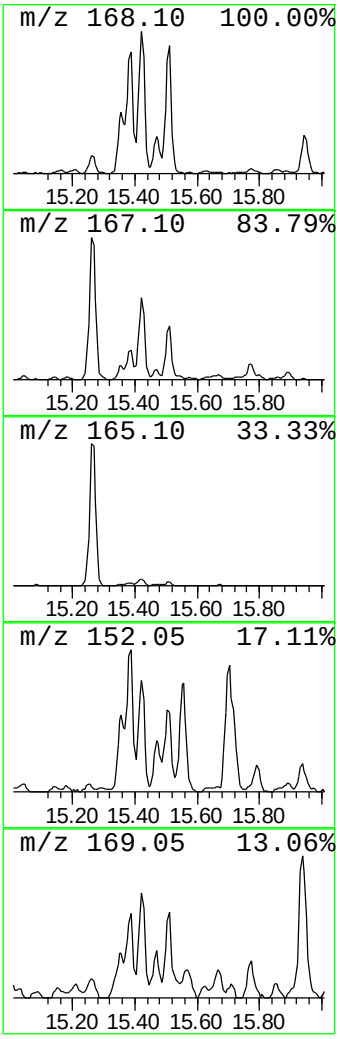
****

Peak Number 3 1,1'-Biphenyl, 2-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.51	4.45 ng/ul	305667	Acenaphthene-d10	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	87
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	87
3	Diphenylmethane	168	C13H12	000101-81-5	83
4	Diphenylmethane	168	C13H12	000101-81-5	83
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	83





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002229.D
Acq On : 05 Aug 2015 02:56
Operator : TP/UM
Sample : G3095-12RE
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S3RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

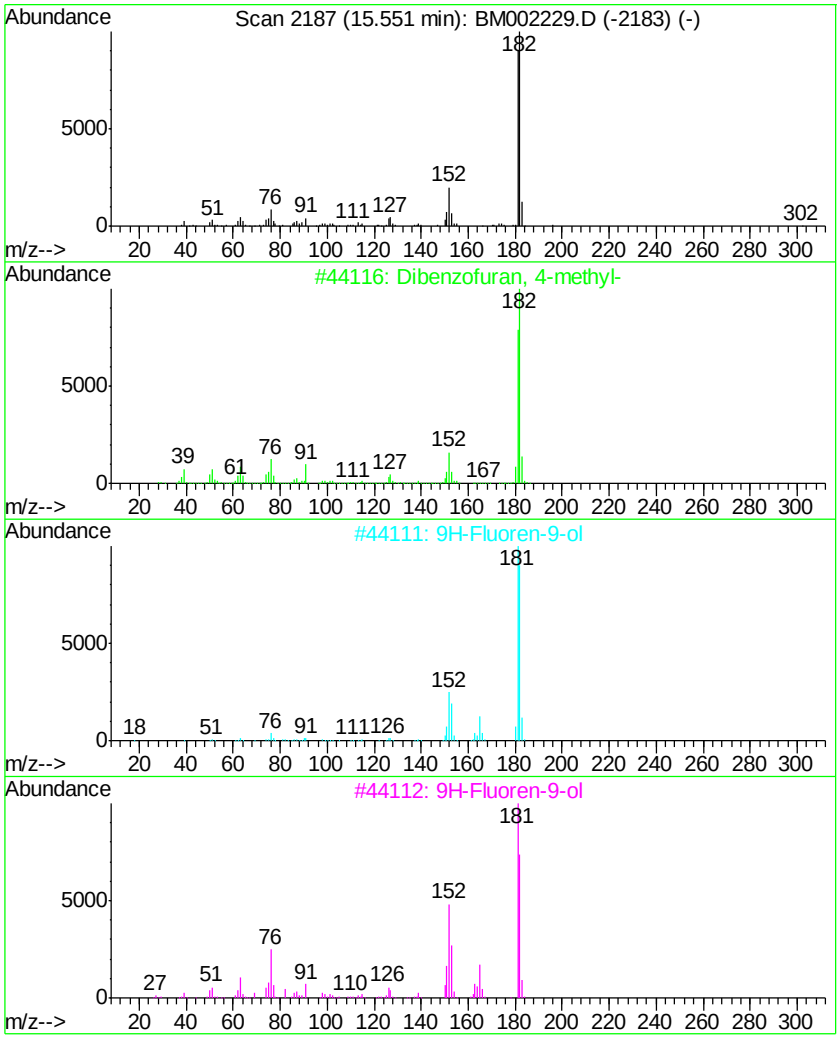
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

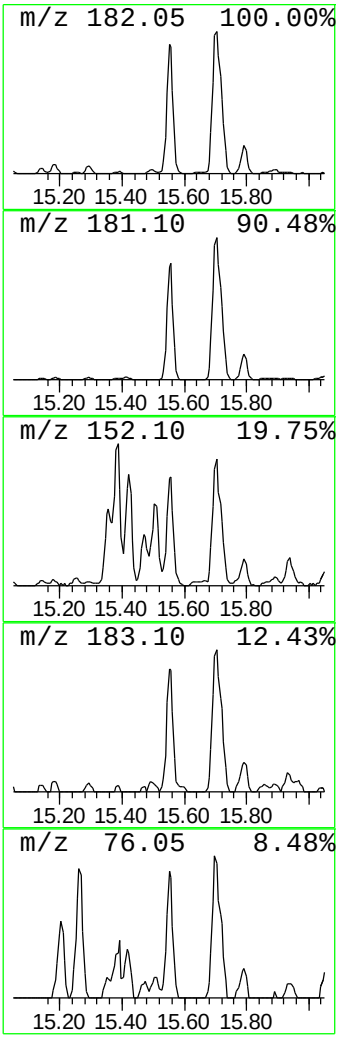
****

Peak Number 4 Dibenzofuran, 4-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	5.73 ng/ul	393797	Acenaphthene-d10	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64
5	9H-Xanthene	182	C13H10O	000092-83-1	59





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002229.D
Acq On : 05 Aug 2015 02:56
Operator : TP/UM
Sample : G3095-12RE
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S3RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

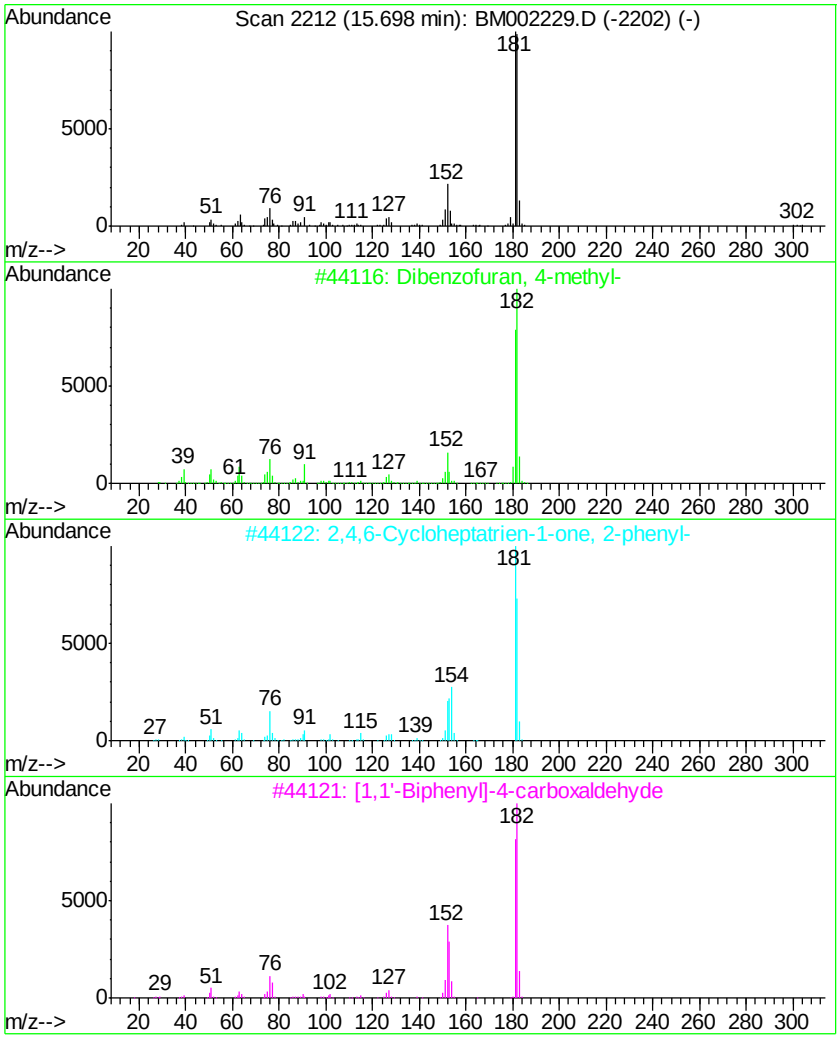
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

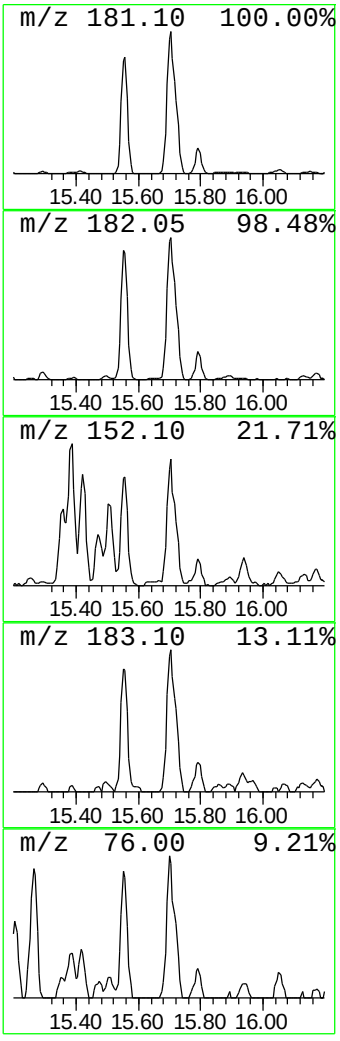
****

Peak Number 5 2,4,6-Cycloheptatrien-1-one... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.70	11.13 ng/ul	652400	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





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Acq On : 05 Aug 2015 02:56
Operator : TP/UM
Sample : G3095-12RE
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S3RE

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Quant Title : SVOA CALIBRATION

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

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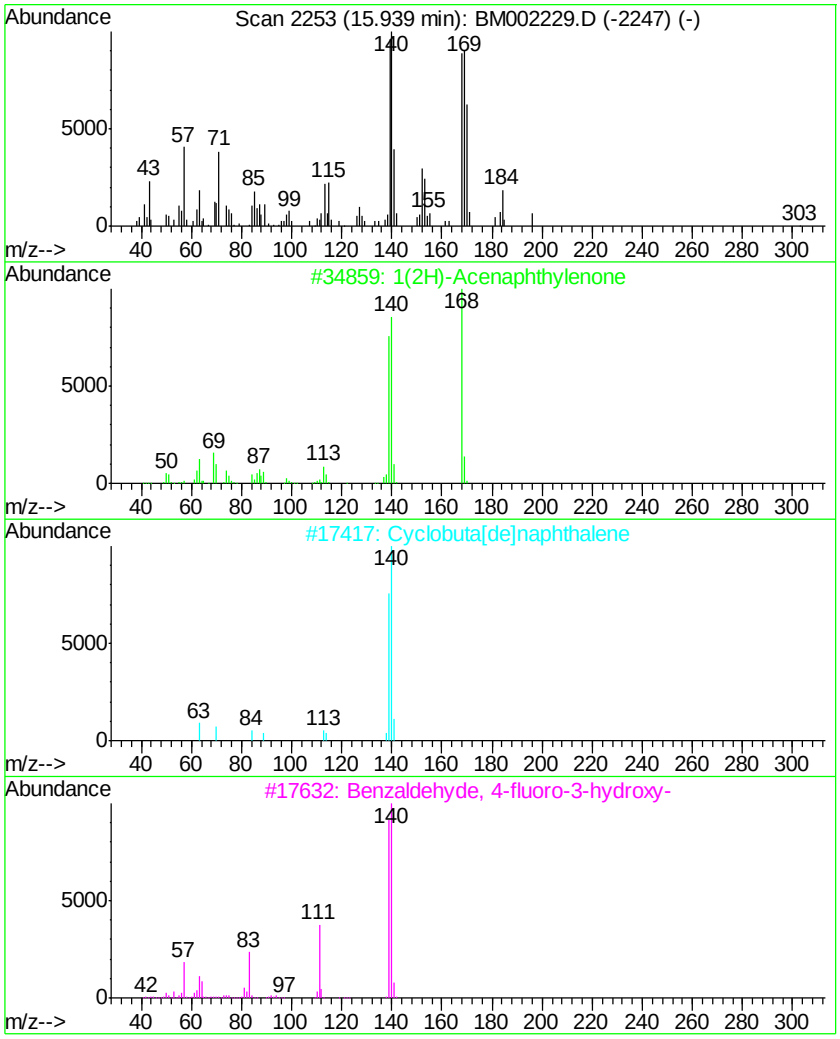
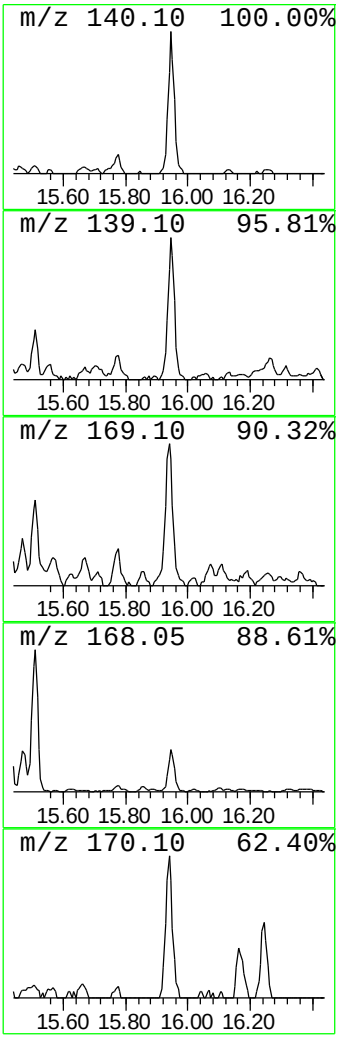
Peak Number 6 1(2H)-Acenaphthylenone Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	5.38 ng/ul	315442	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	93
2	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	38
3	Benzaldehyde, 4-fluoro-3-hydroxy-	140	C7H5FO2	103438-85-3	38
4	7(4H)-Benzothiazolone, 2-amino-5...	168	C7H8N2OS	017583-10-7	38
5	Benzoic acid, 3-chloro-, methyl ...	170	C8H7ClO2	002905-65-9	25





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Instrument : BNA_M
ClientSampleId : C01S3RE

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Quant Title : SVOA CALIBRATION

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

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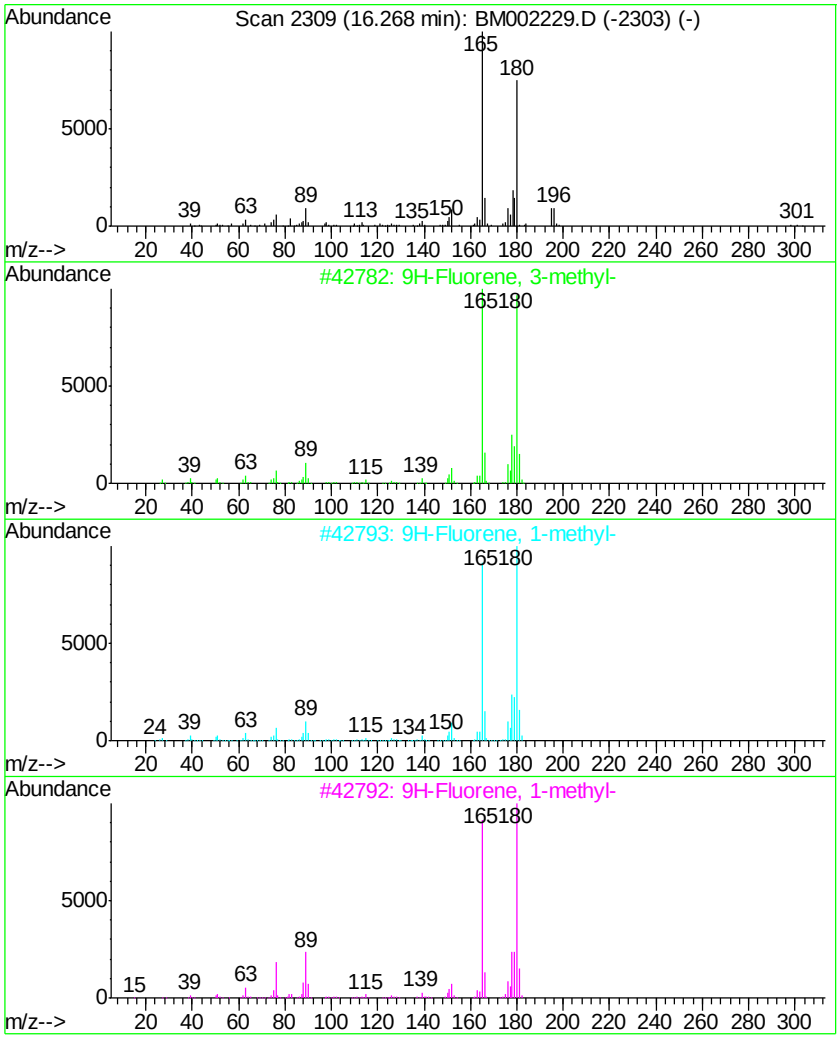
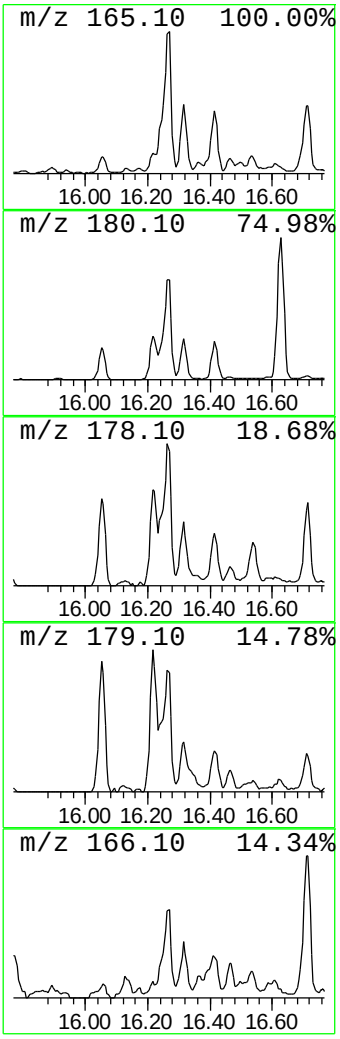
Peak Number 7 9H-Fluorene, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.27	7.37 ng/ul	432208	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	92
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81





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ClientSampleId : C01S3RE

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Quant Title : SVOA CALIBRATION

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

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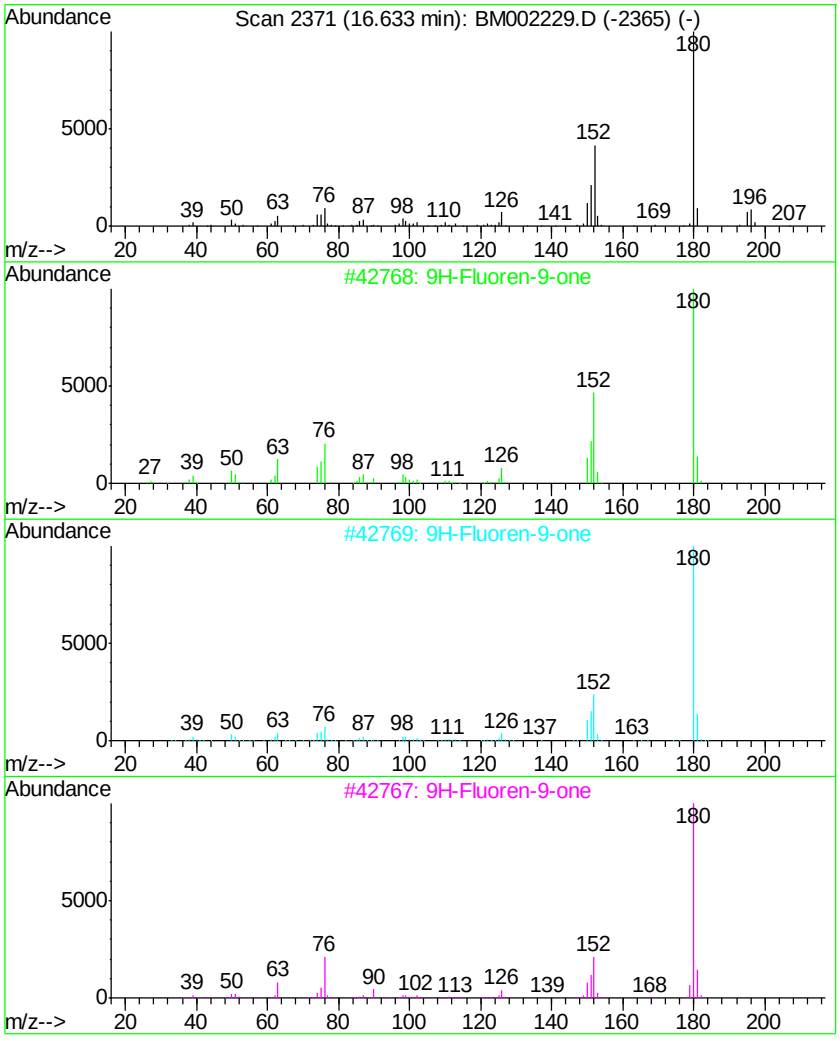
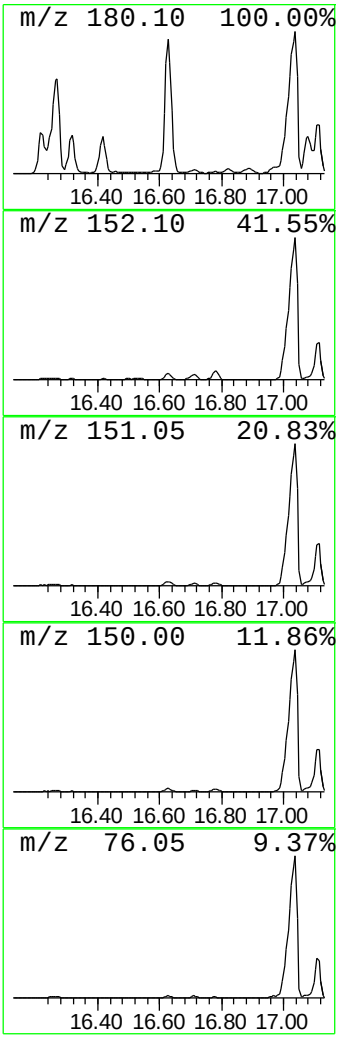
Peak Number 8 9H-Fluoren-9-one Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	5.33 ng/ul	312512	Phenanthrene-d10	16.97

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	91
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90





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Instrument : BNA_M
ClientSampleId : C01S3RE

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Quant Title : SVOA CALIBRATION

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

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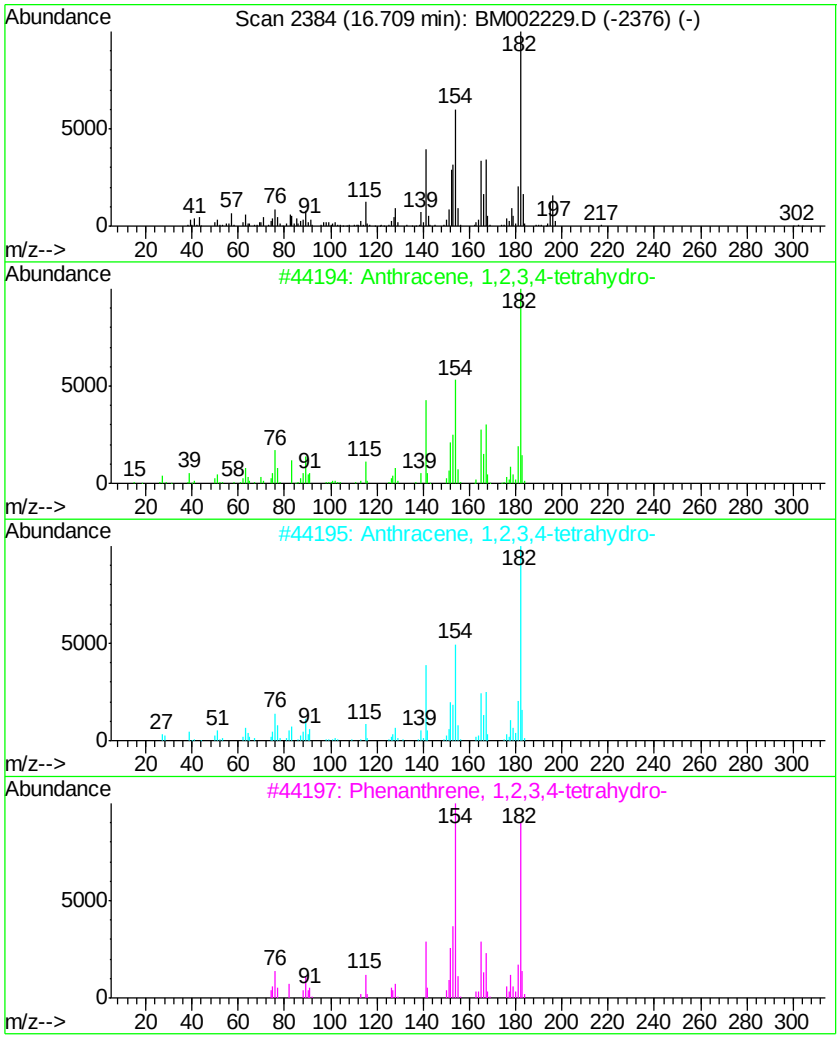
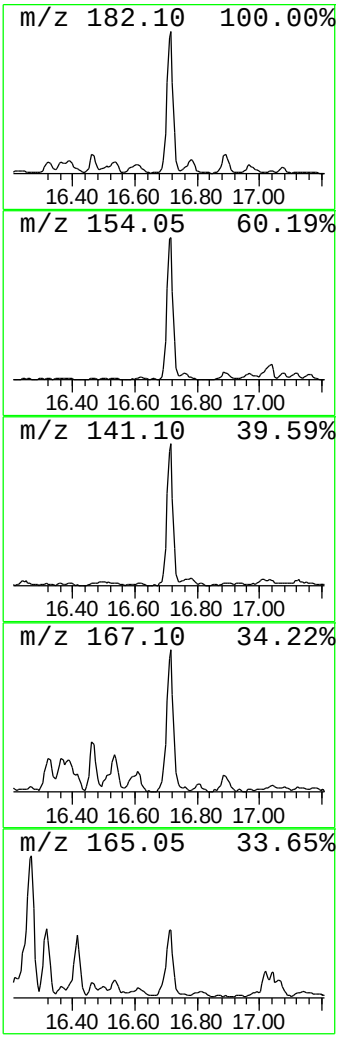
Peak Number 9 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.71	14.43 ng/ul	845719	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	98
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	93
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	70
4	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	59
5	7-Phenylbicyclo[3.2.1]octa-2,6-d...	182	C14H14	1000201-01-7	58





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Quant Title : SVOA CALIBRATION

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

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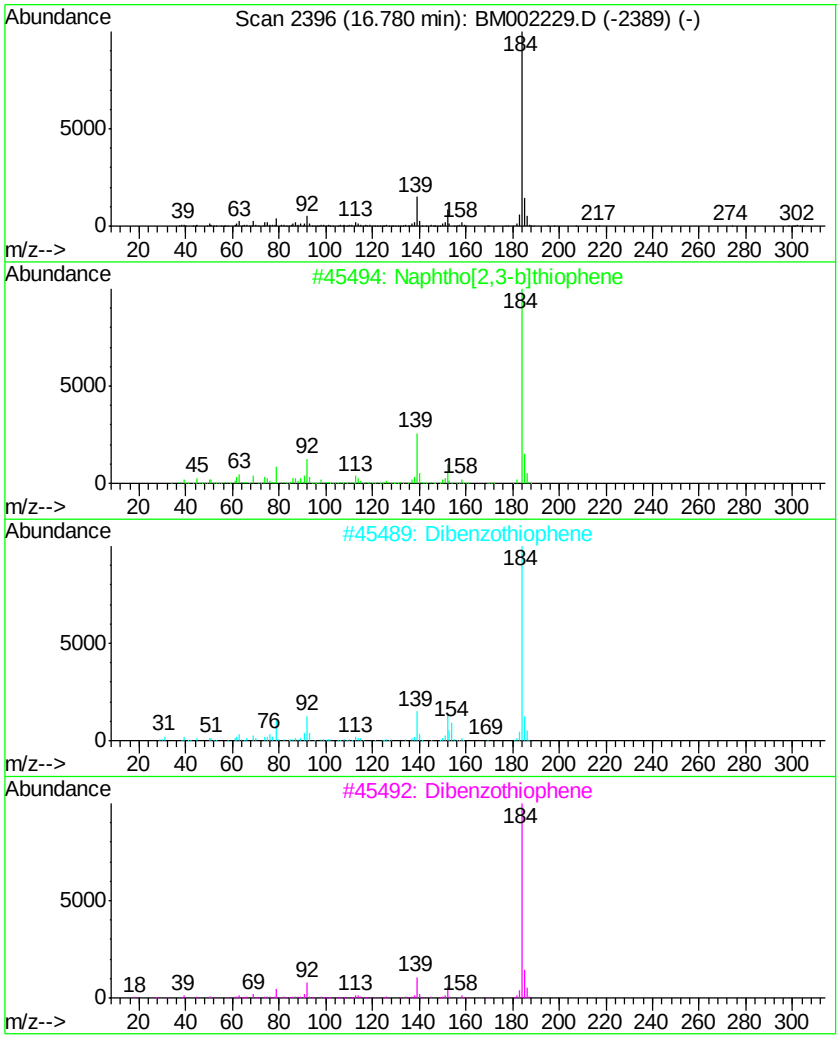
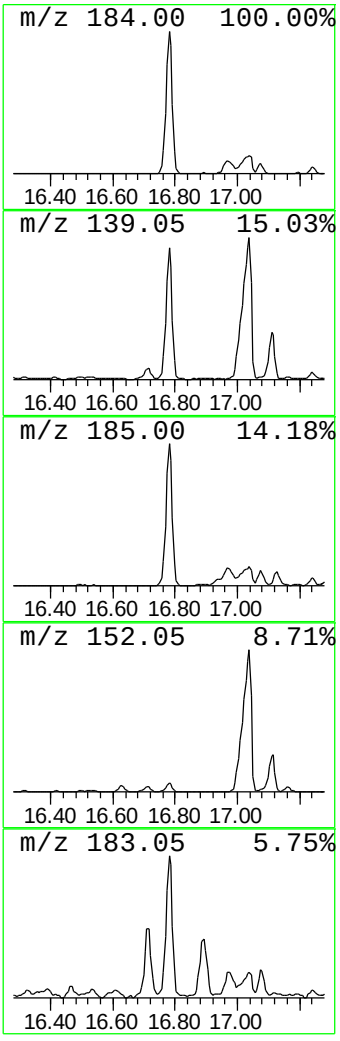
Peak Number 10 Naphtho[2,3-b]thiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.78	25.94 ng/ul	1520180	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	93
4	Dibenzothiophene	184	C12H8S	000132-65-0	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





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Quant Title : SVOA CALIBRATION

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

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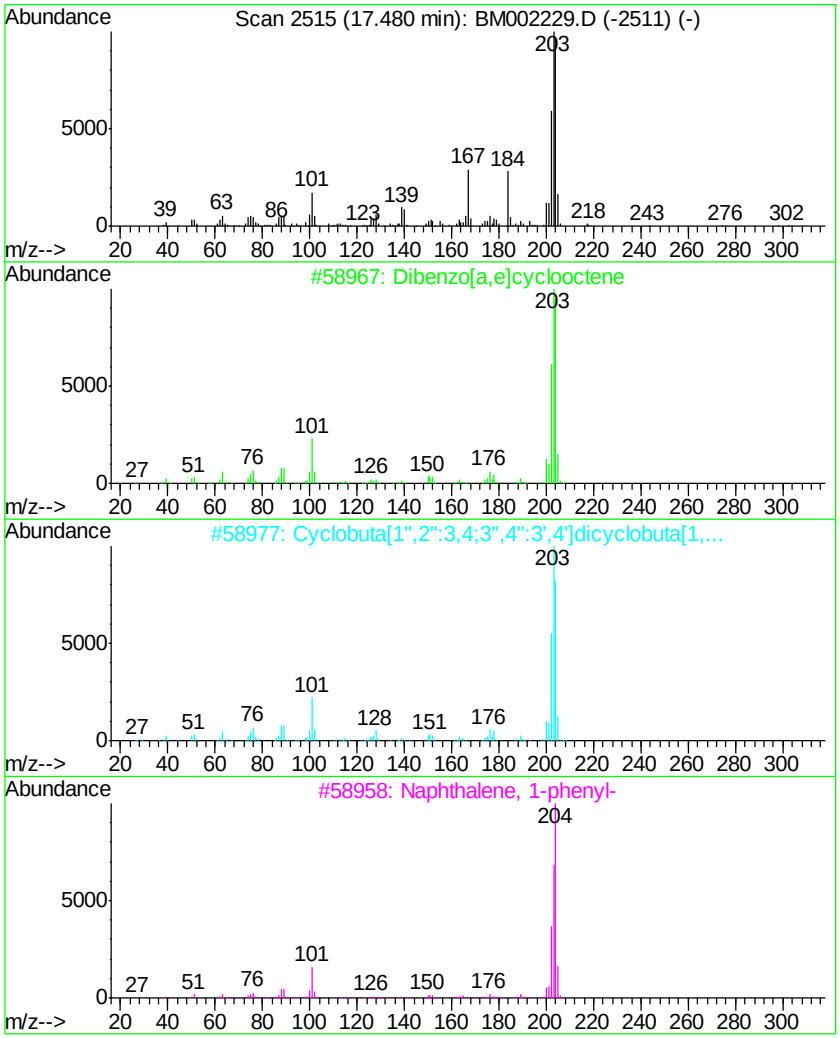
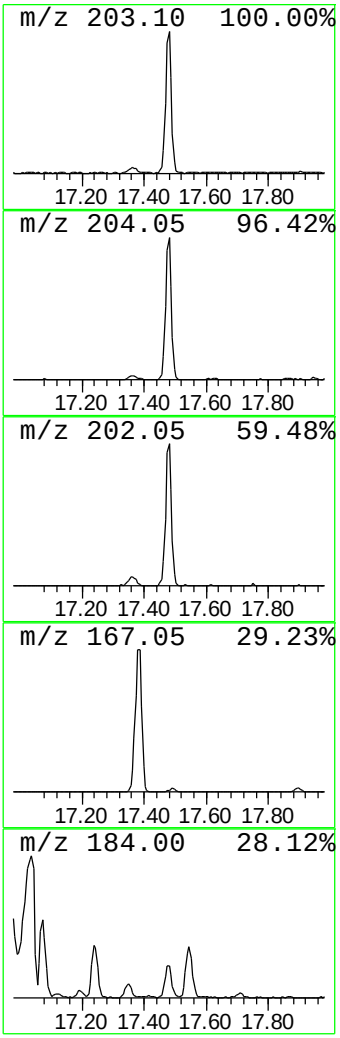
Peak Number 11 Dibenzo[a,e]cyclooctene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.48	6.11 ng/ul	358110	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	97
2	Cyclobuta[1'',2'':3,4;3'',4'':3'...	204	C16H12	006574-36-3	91
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
4	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	83
5	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	83





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Instrument : BNA_M
ClientSampleId : C01S3RE

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Quant Title : SVOA CALIBRATION

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

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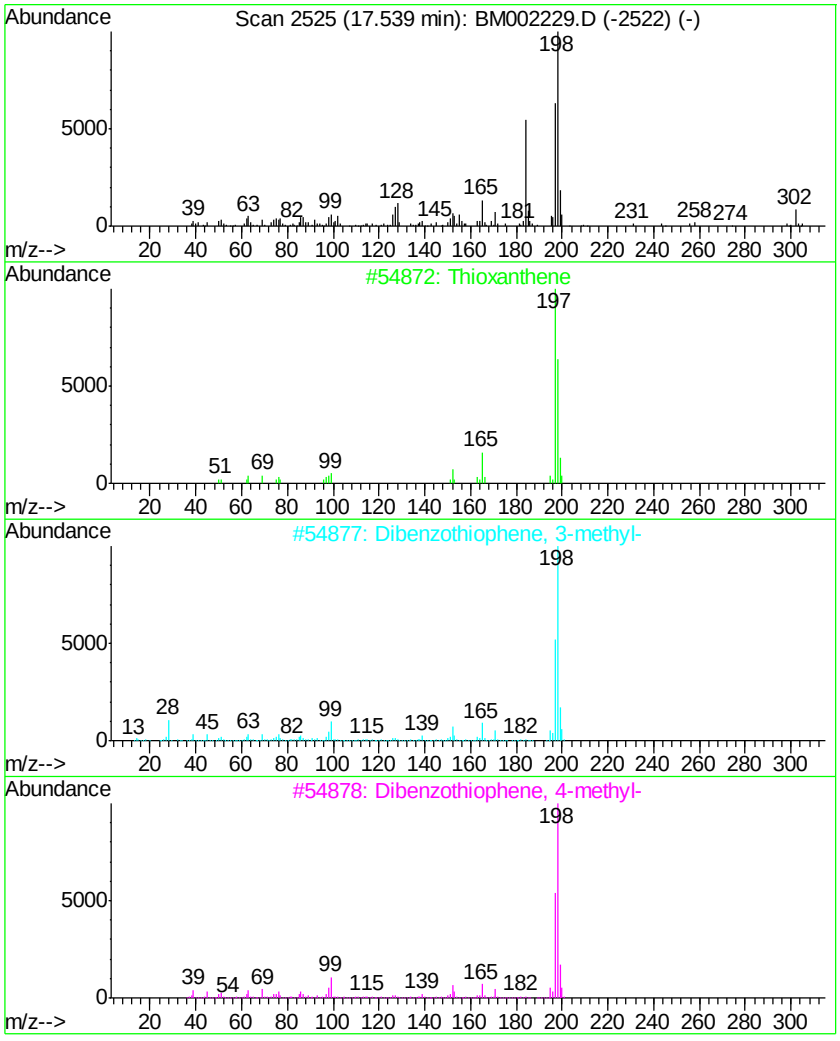
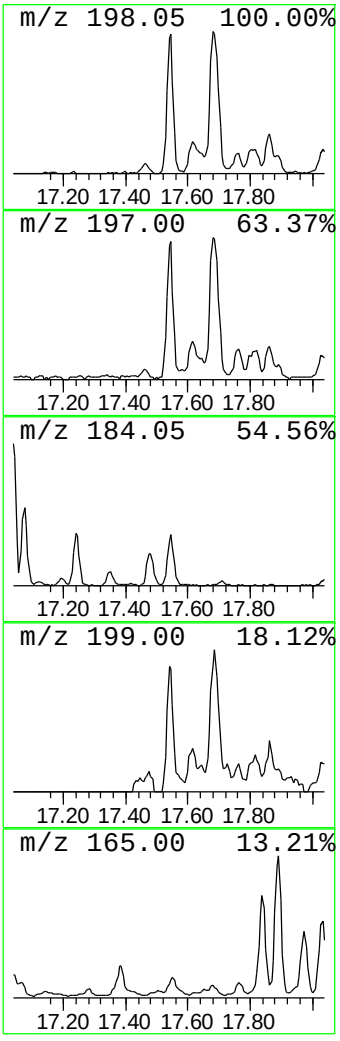
Peak Number 12 Thioxanthene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.54	5.95 ng/ul	349003	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thioxanthene	198	C13H10S	000261-31-4	83
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	83
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	58
4	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	52
5	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	50





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Quant Title : SVOA CALIBRATION

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

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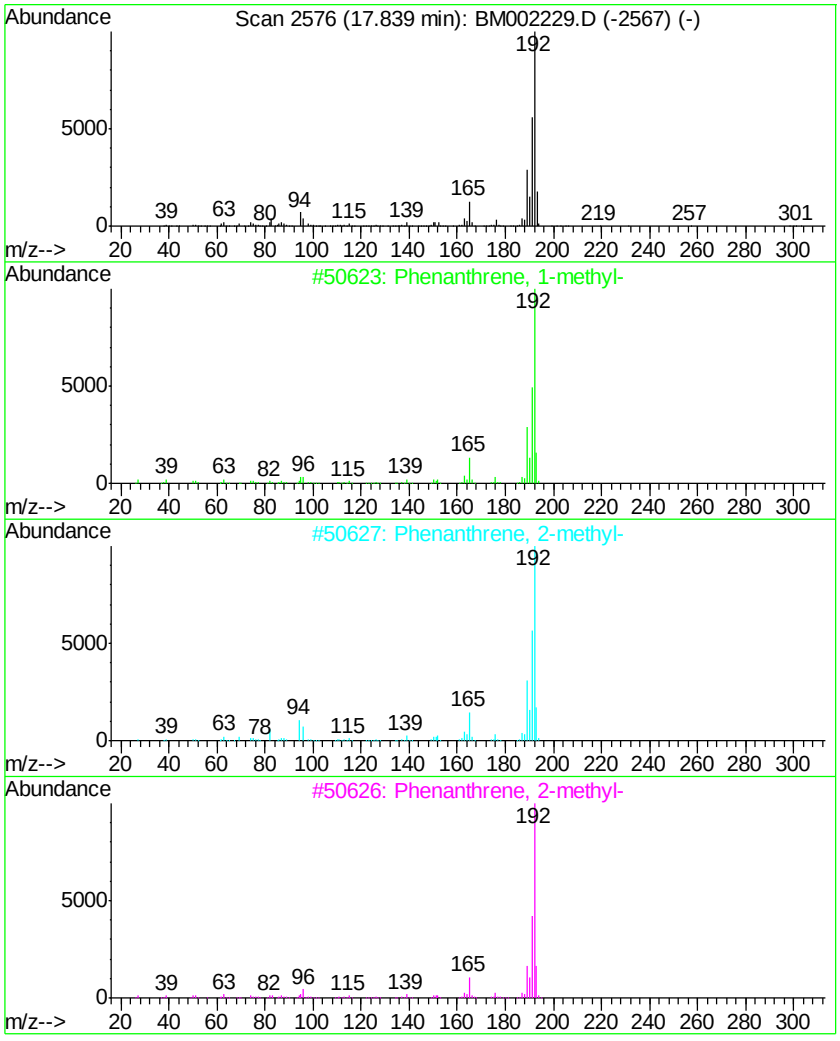
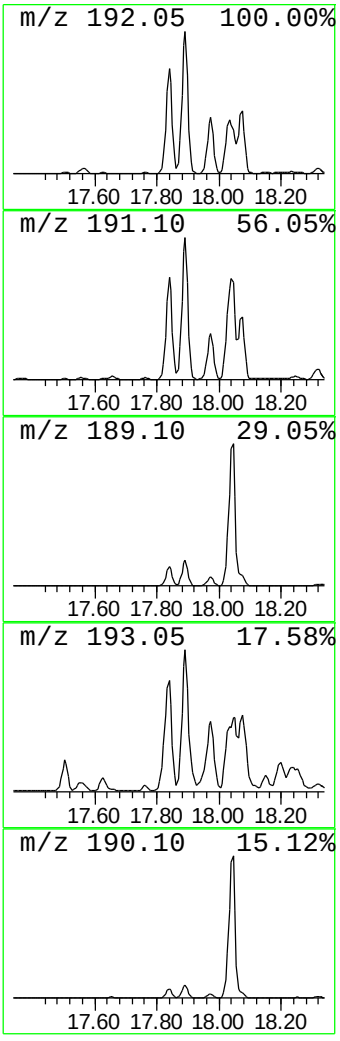
Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.84	27.13 ng/ul	1590170	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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Quant Title : SVOA CALIBRATION

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

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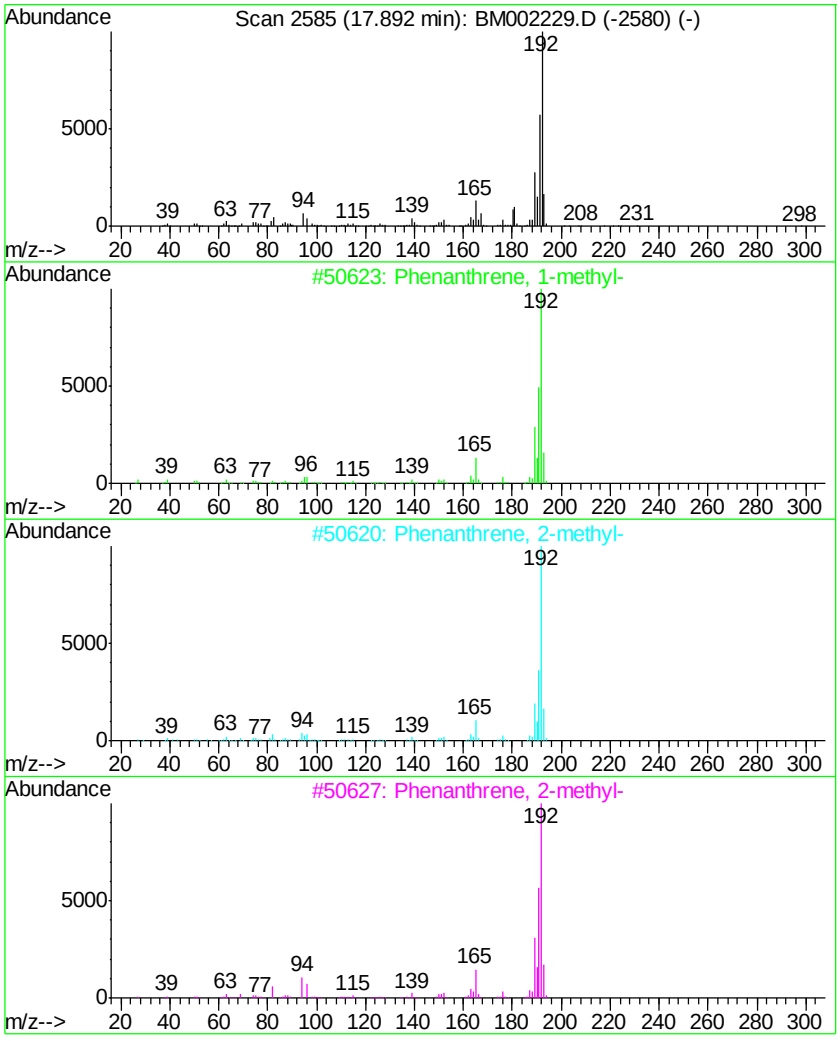
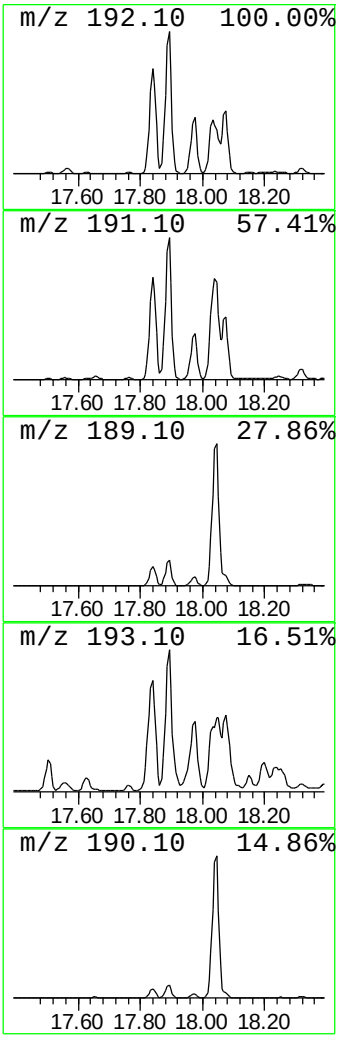
Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	36.58 ng/ul	2143800	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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Misc :
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Quant Title : SVOA CALIBRATION

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

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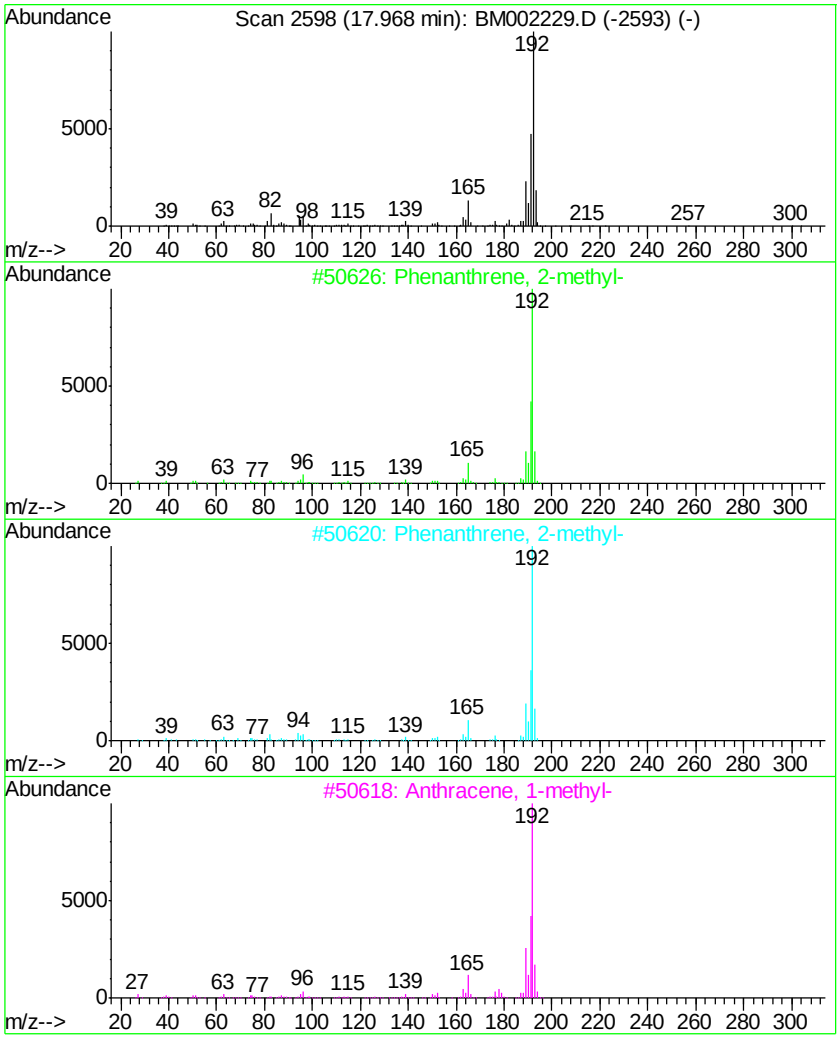
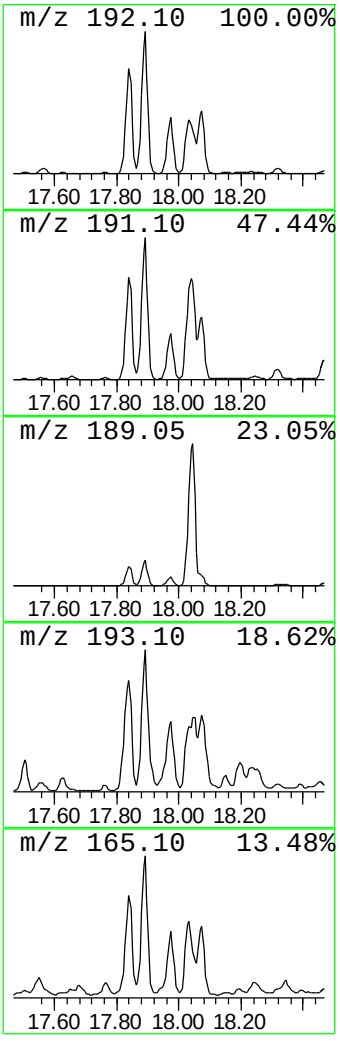
Peak Number 15 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	13.94 ng/ul	816878	Phenanthrene-d10	16.97

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	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96





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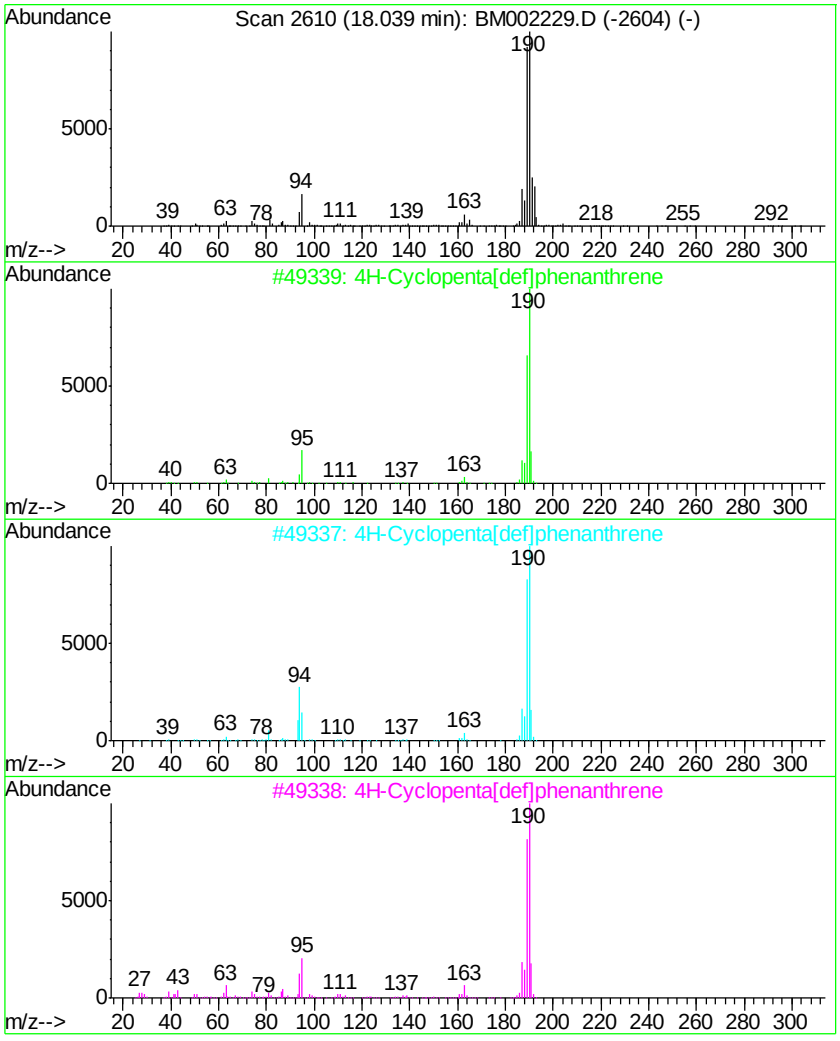
Quant Title : SVOA CALIBRATION

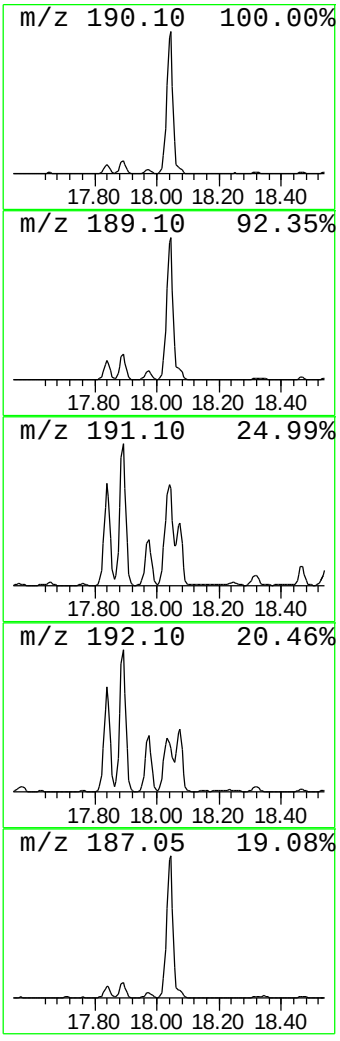
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	75.62 ng/ul	4431920	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





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Sample : G3095-12RE
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Instrument : BNA_M
ClientSampleId : C01S3RE

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Quant Title : SVOA CALIBRATION

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

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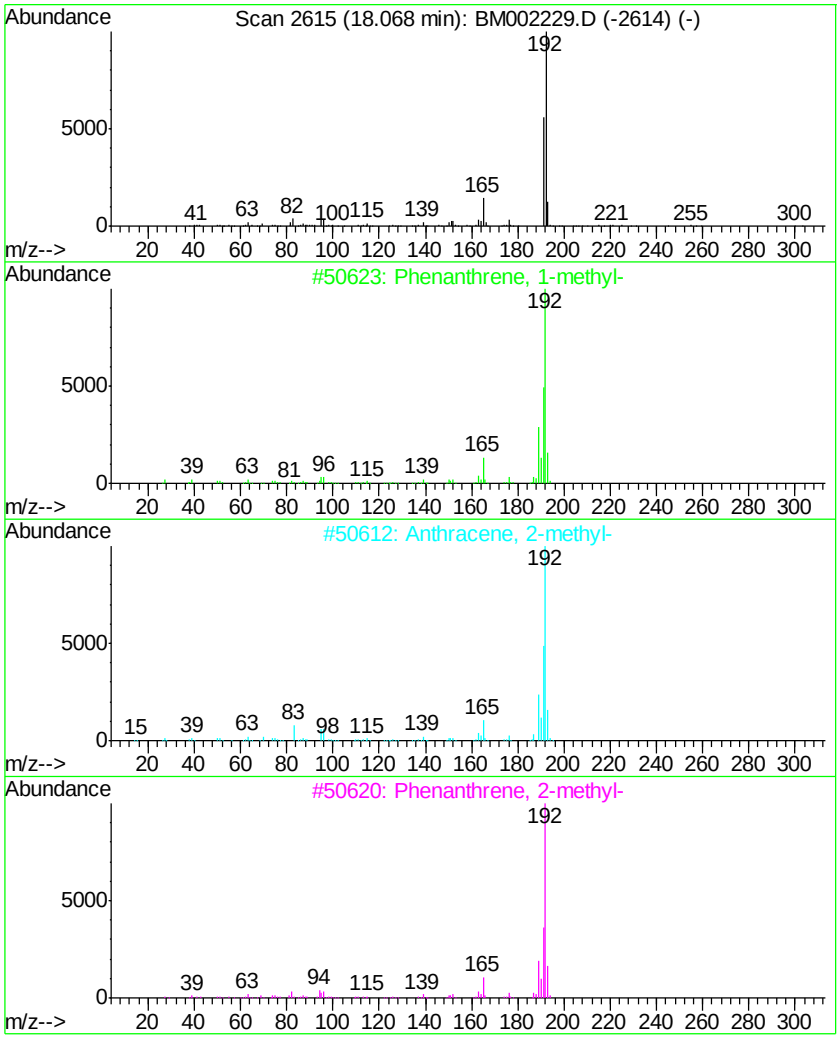
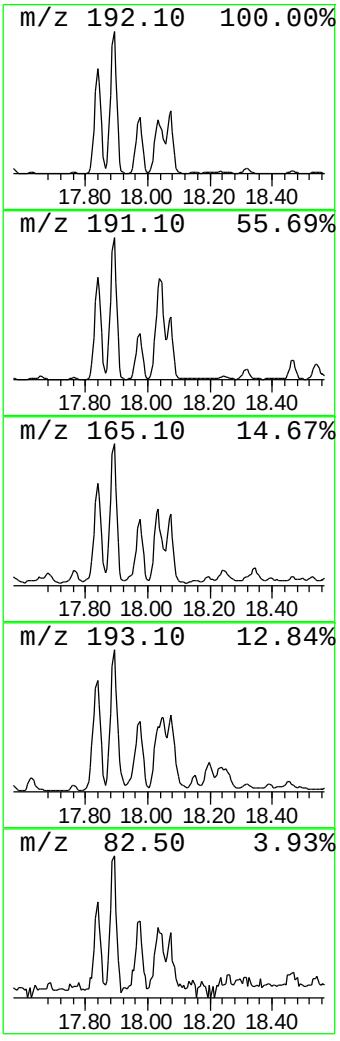
Peak Number 17 1H-Indene, 3-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	12.09 ng/ul	708763	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	90





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Sample : G3095-12RE
Misc :
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Instrument : BNA_M
ClientSampleId : C01S3RE

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Quant Title : SVOA CALIBRATION

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

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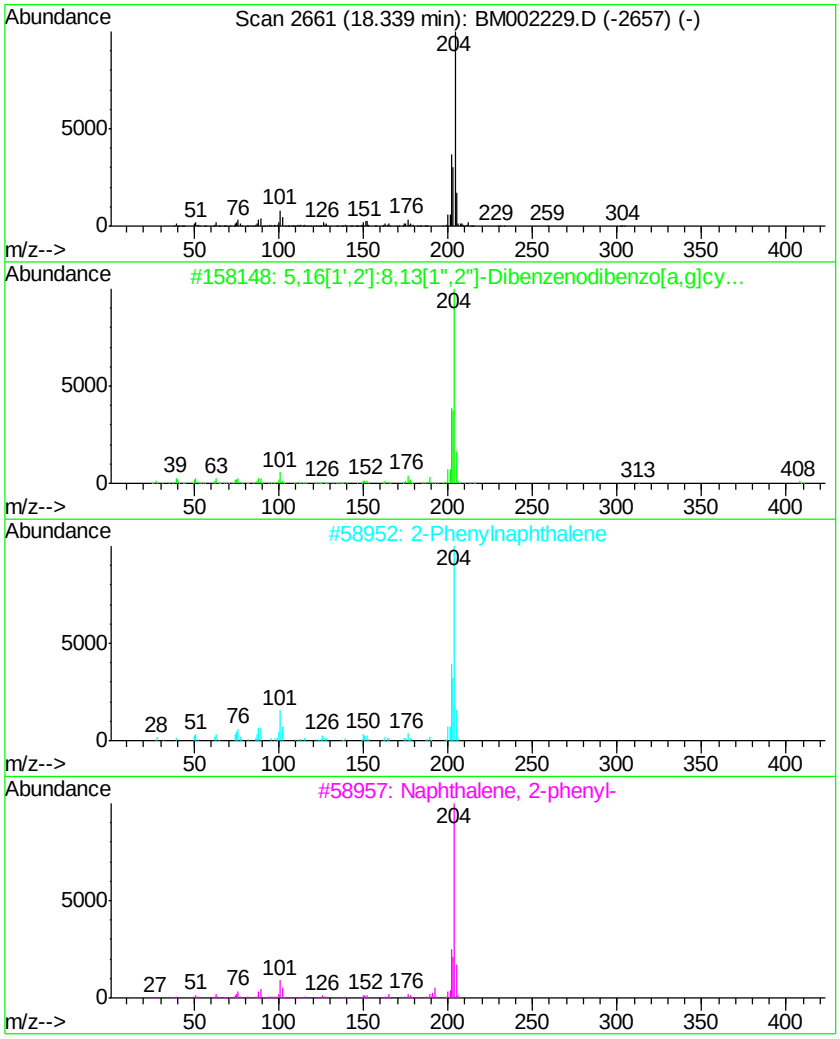
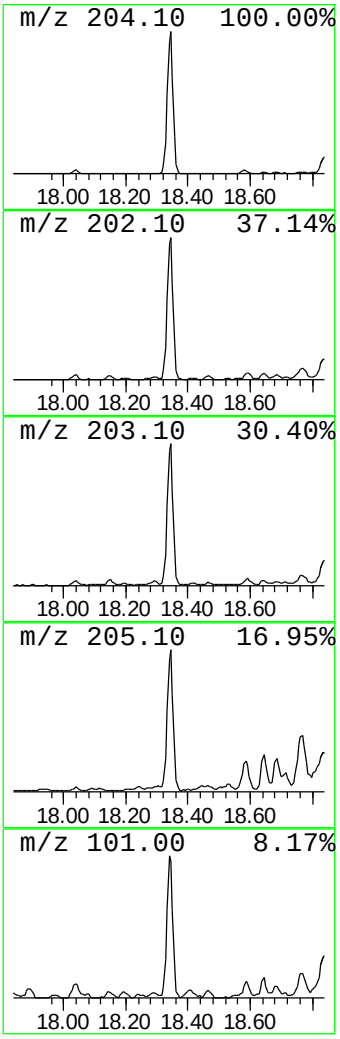
Peak Number 18 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	22.69 ng/ul	1330110	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	90
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76





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Instrument : BNA_M
ClientSampleId : C01S3RE

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Quant Title : SVOA CALIBRATION

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

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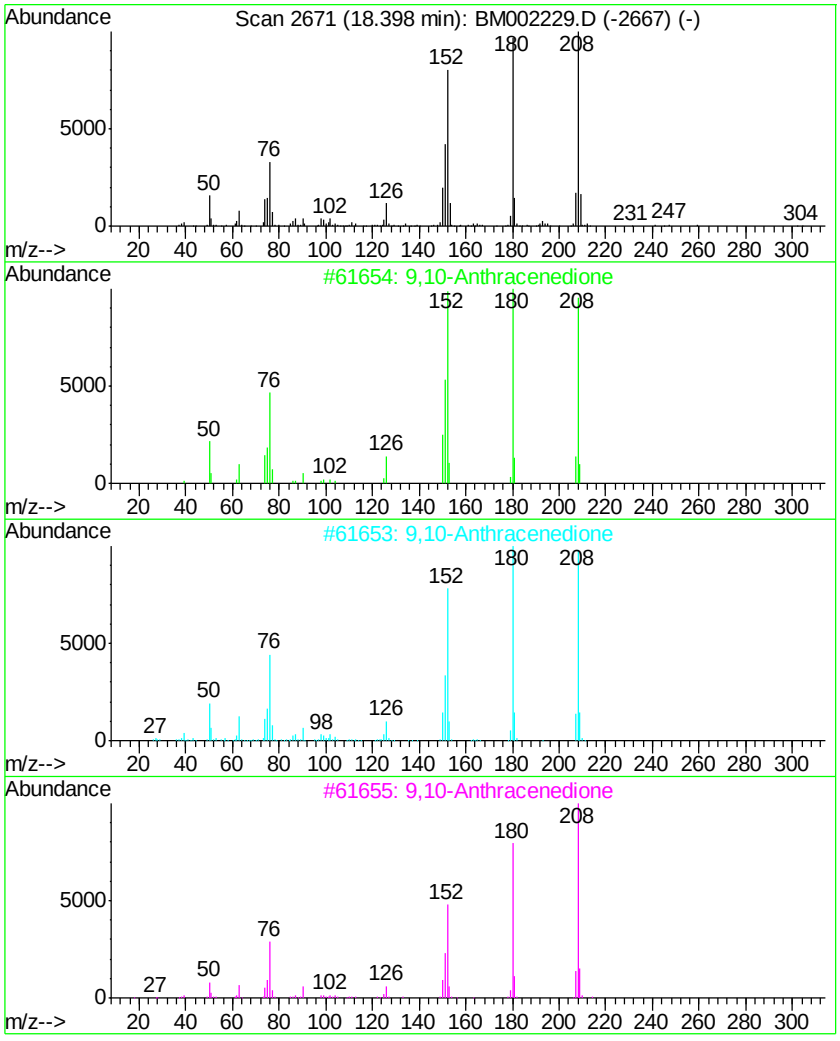
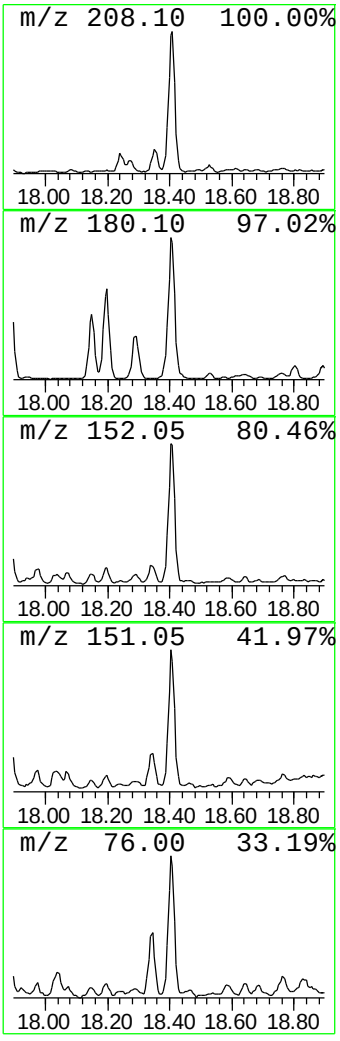
Peak Number 19 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	11.22 ng/ul	657863	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60





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Quant Title : SVOA CALIBRATION

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

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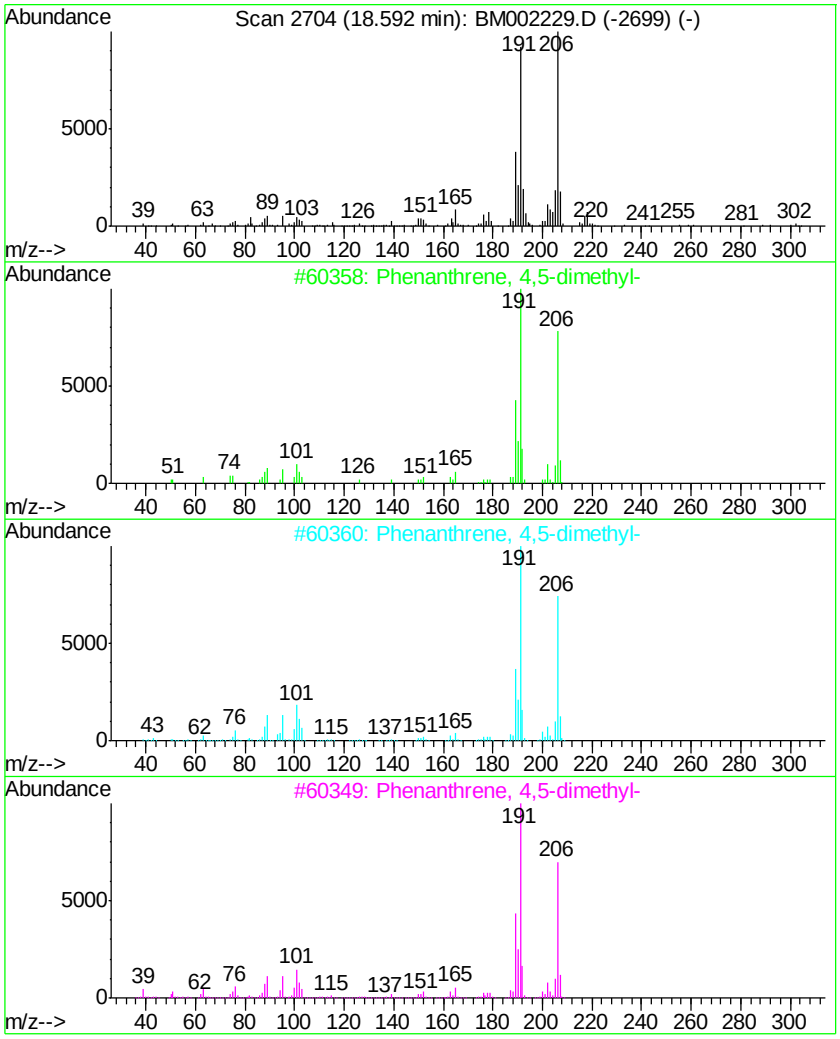
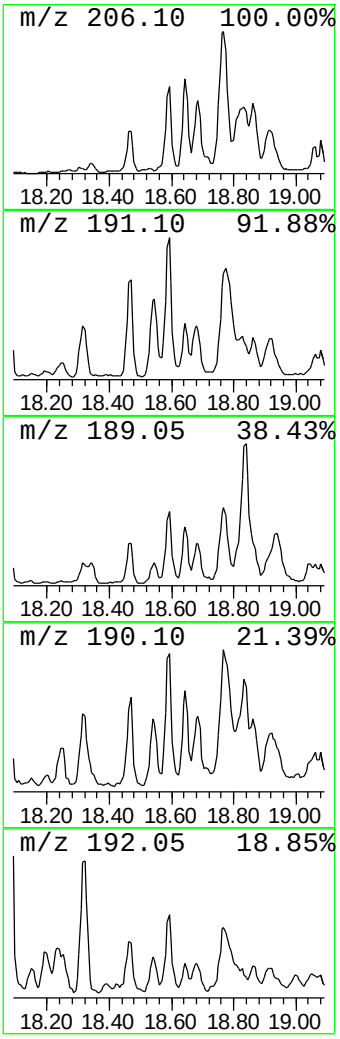
Peak Number 20 Phenanthrene, 4,5-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	5.27 ng/ul	308912	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	97
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	95
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	95
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91





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ClientSampleId : C01S3RE

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Quant Title : SVOA CALIBRATION

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

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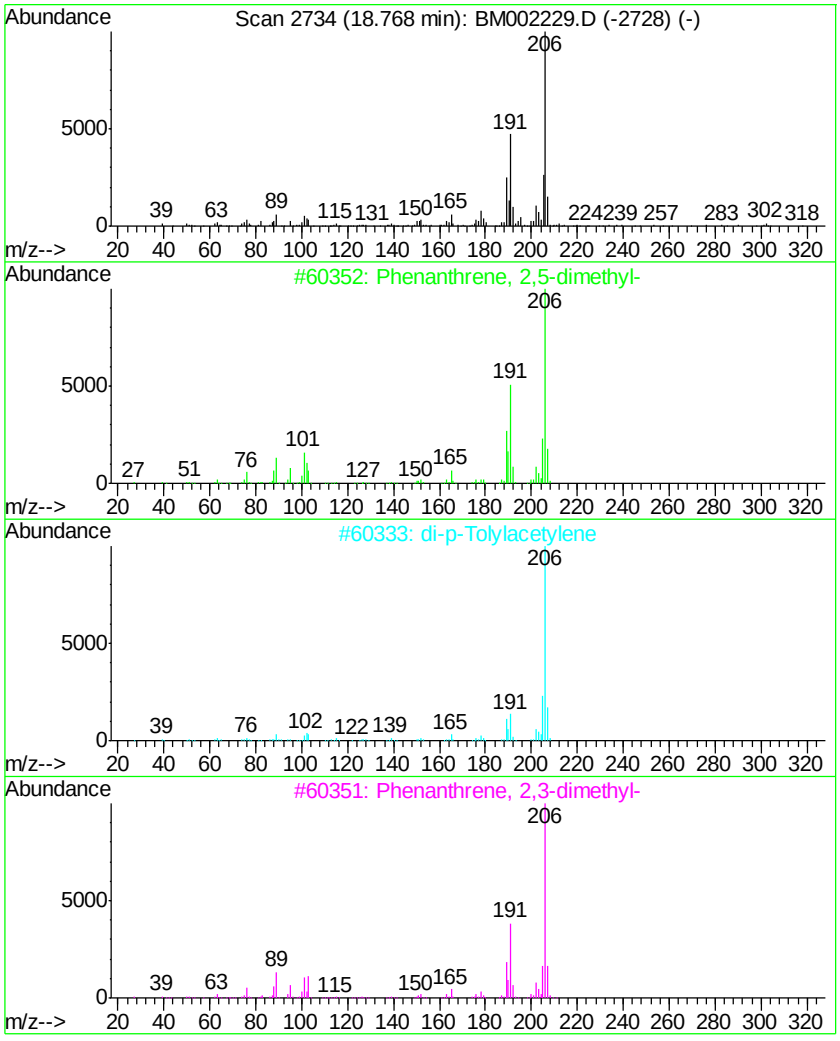
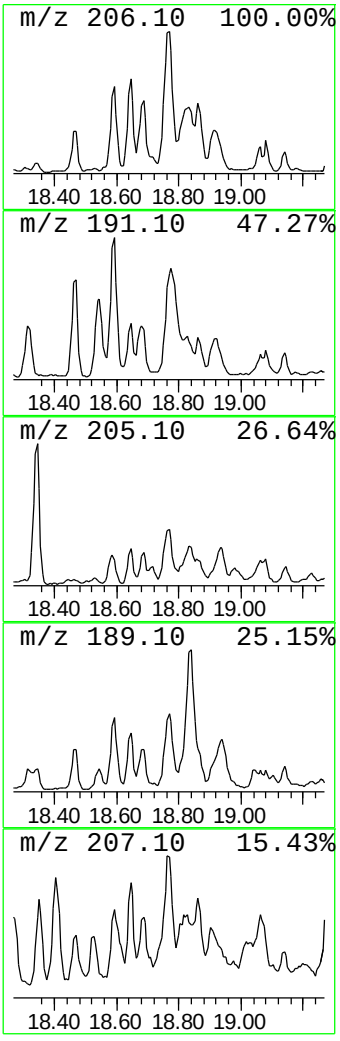
Peak Number 21 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	10.77 ng/ul	631294	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81





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Quant Title : SVOA CALIBRATION

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

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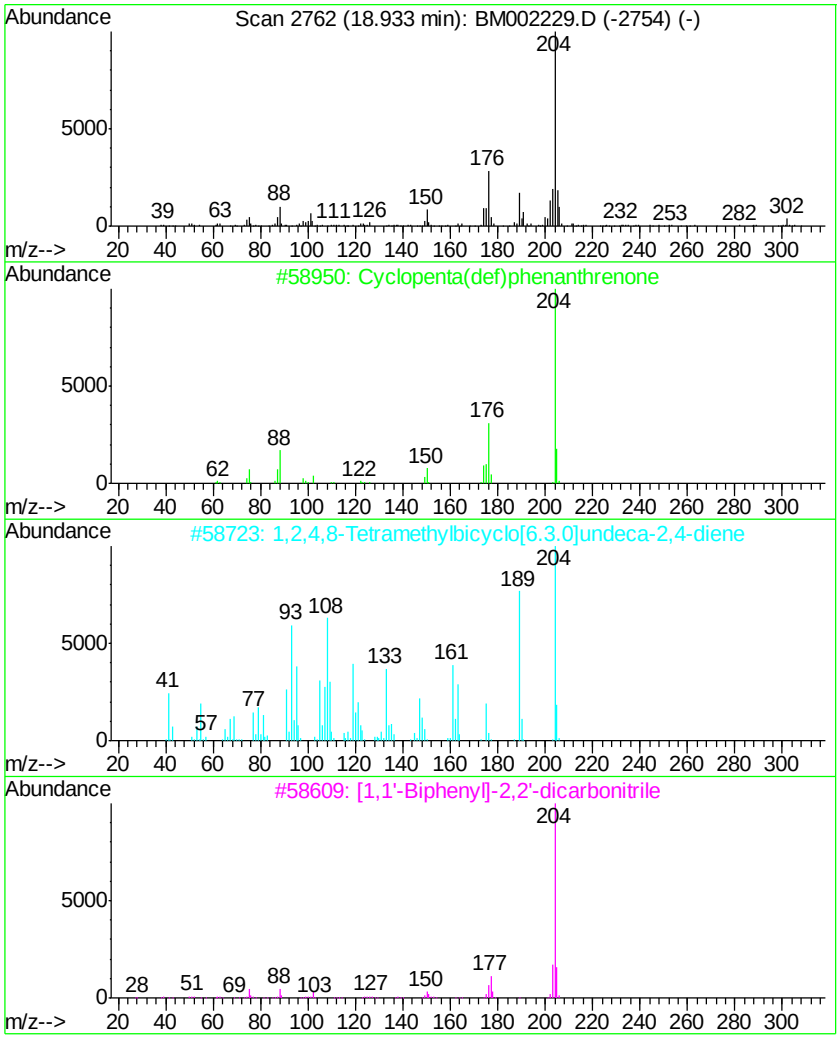
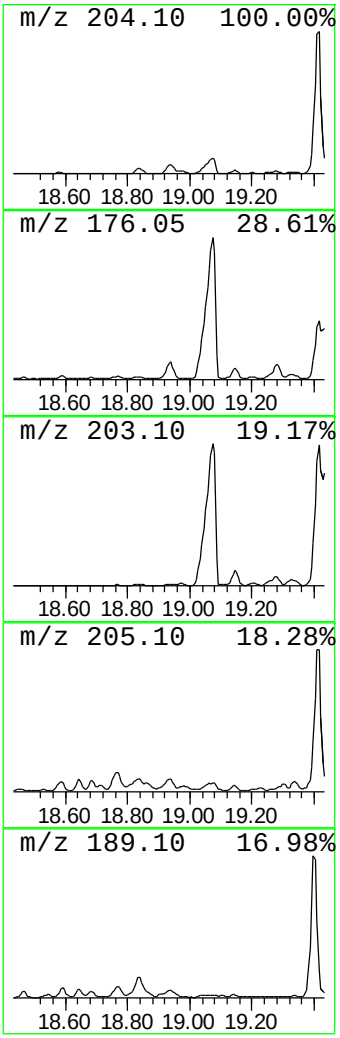
Peak Number 22 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	8.54 ng/ul	500268	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	60
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	58
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	50





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Instrument : BNA_M
ClientSampleId : C01S3RE

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Quant Title : SVOA CALIBRATION

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

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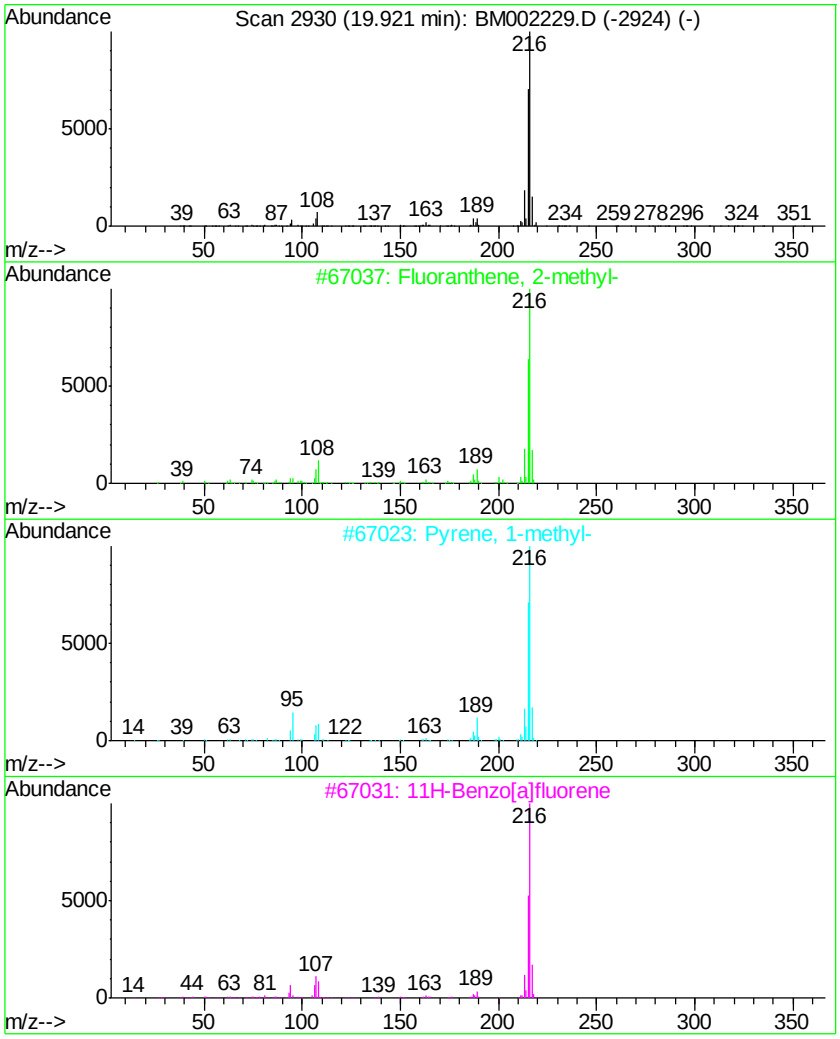
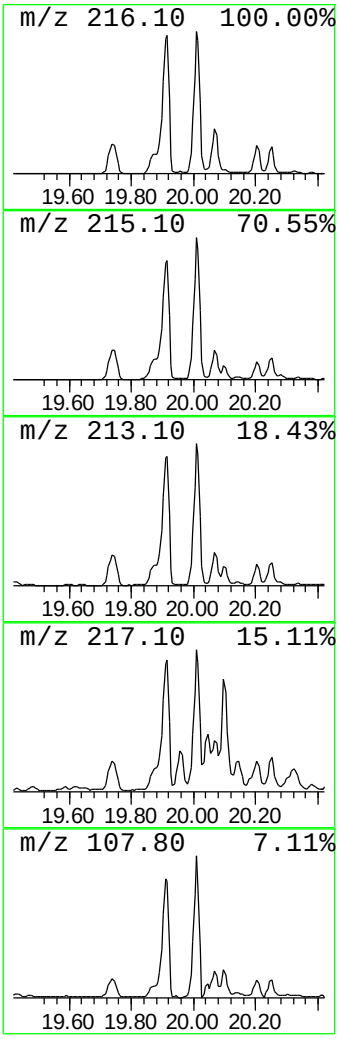
Peak Number 23 Fluoranthene, 2-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	3.57 ng/ul	4773170	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93





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Quant Title : SVOA CALIBRATION

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

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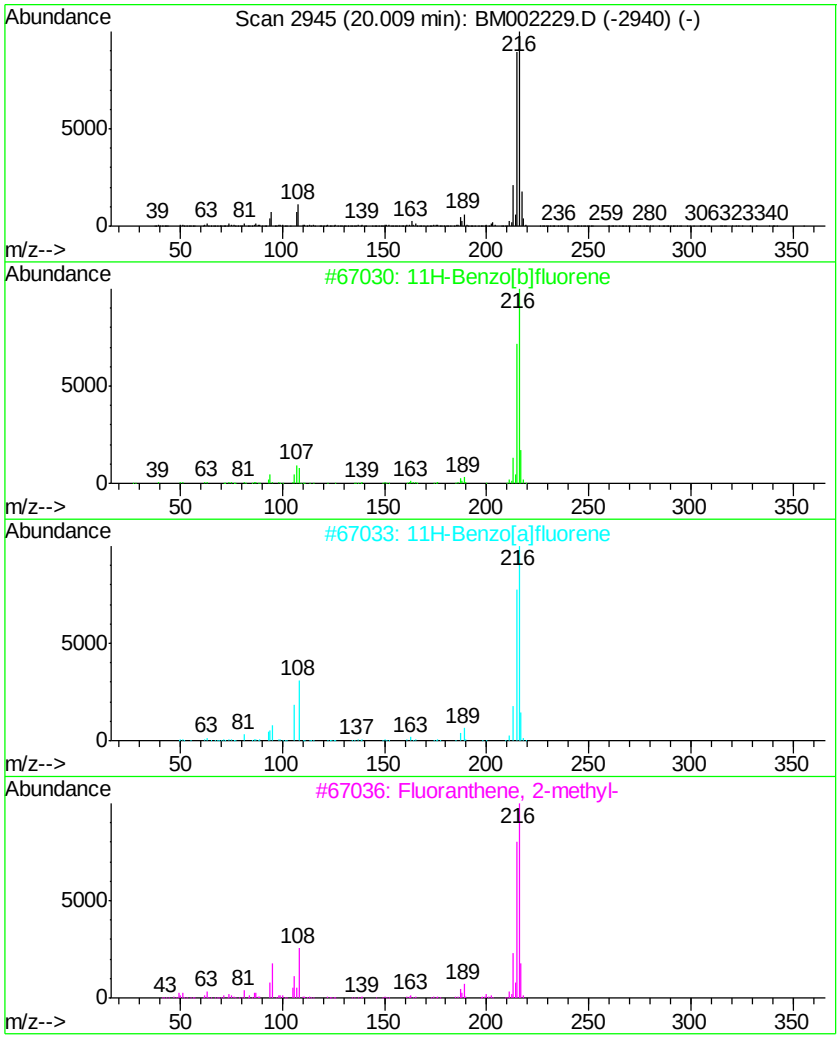
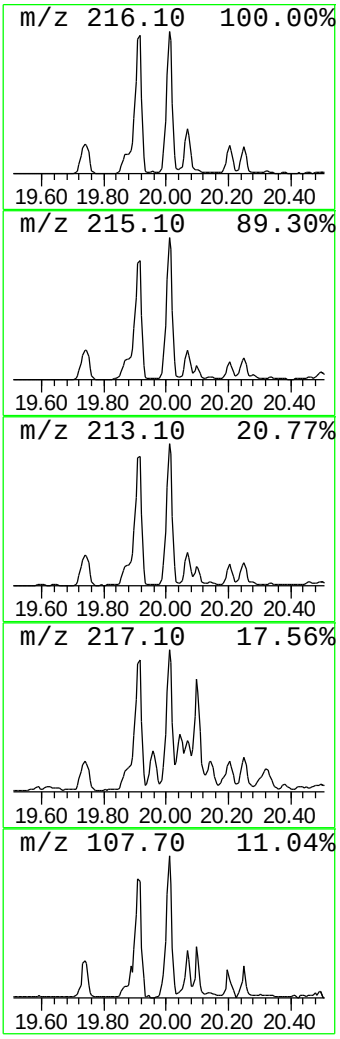
Peak Number 24 11H-Benzo[b]fluorene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.01	3.90 ng/ul	5224230	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	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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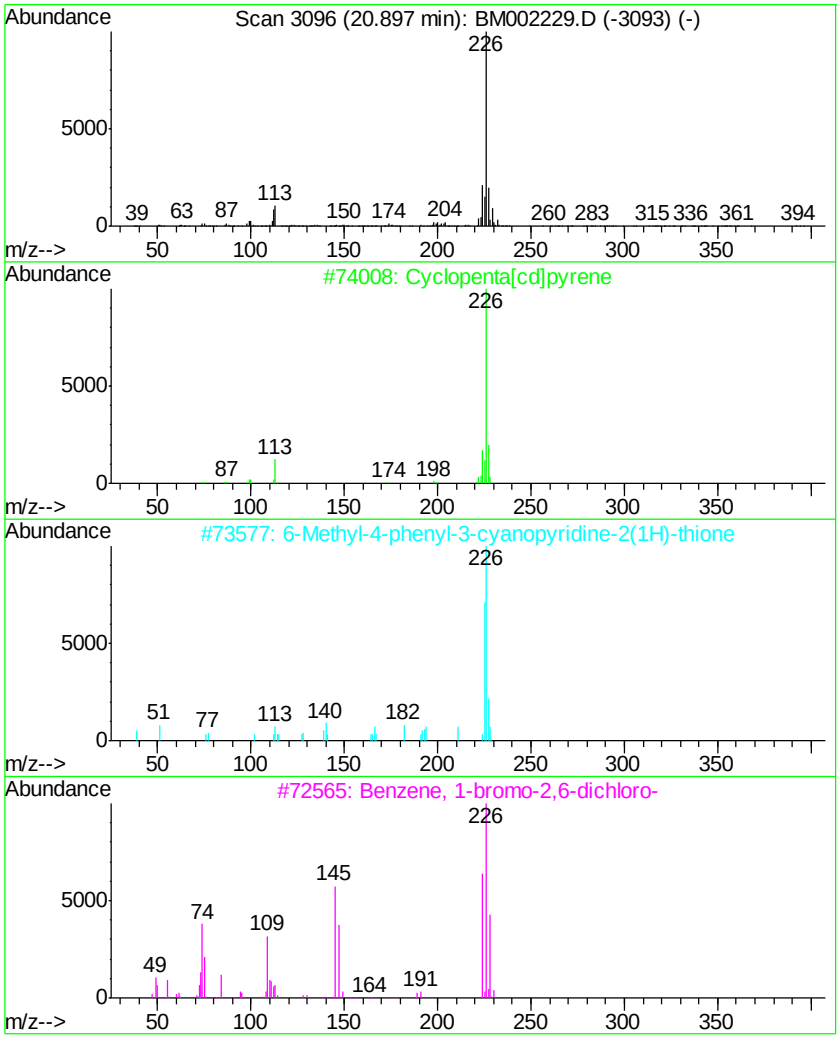
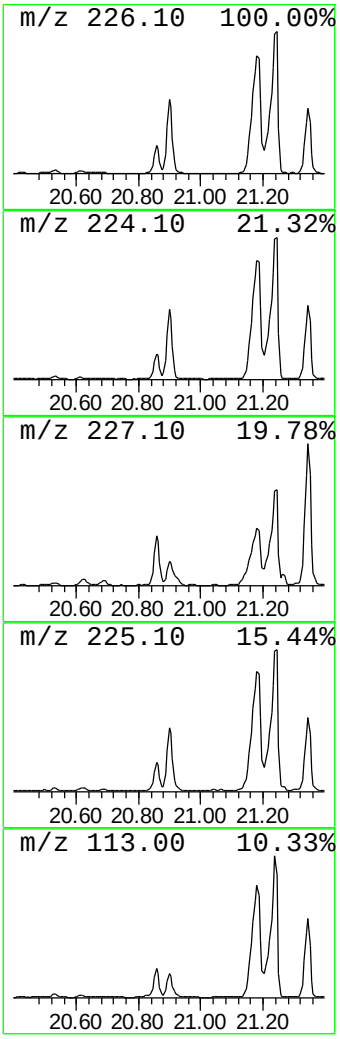
Peak Number 25 Cyclopenta[cd]pyrene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.90	2.61 ng/ul	3498420	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	64
2	6-Methyl-4-phenyl-3-cyanopyridin...	226	C13H10N2S	078564-23-5	50
3	Benzene, 1-bromo-2,6-dichloro-	224	C6H3BrCl2	019393-92-1	49
4	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	47
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	43





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

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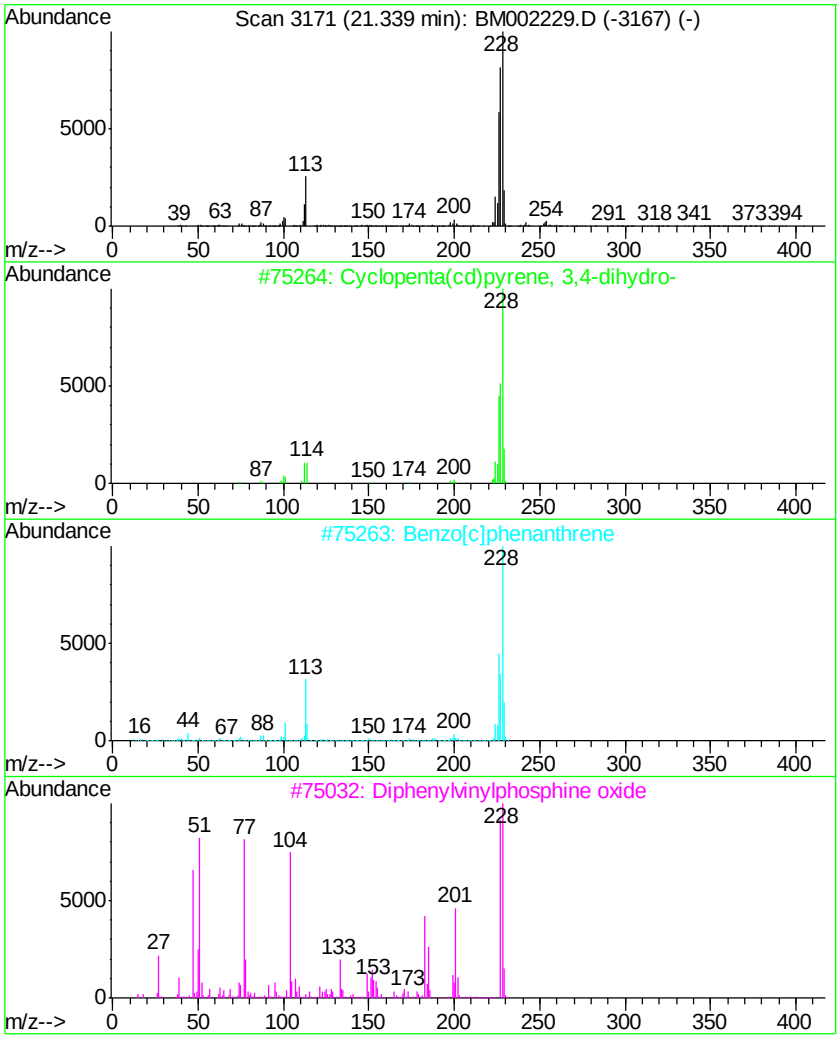
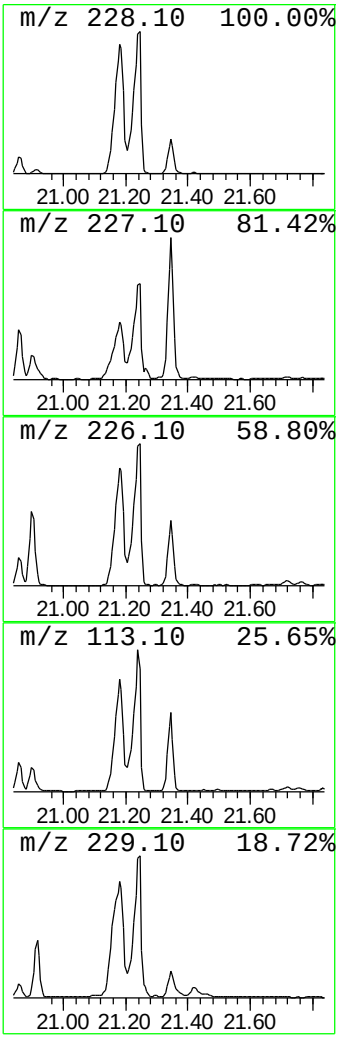
Peak Number 26 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.34	3.81 ng/ul	5106230	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	95
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	55
3	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	50
4	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50
5	2-Nitrophenyl selenocyanate	228	C7H4N2O2Se	051694-22-5	38





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Quant Title : SVOA CALIBRATION

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

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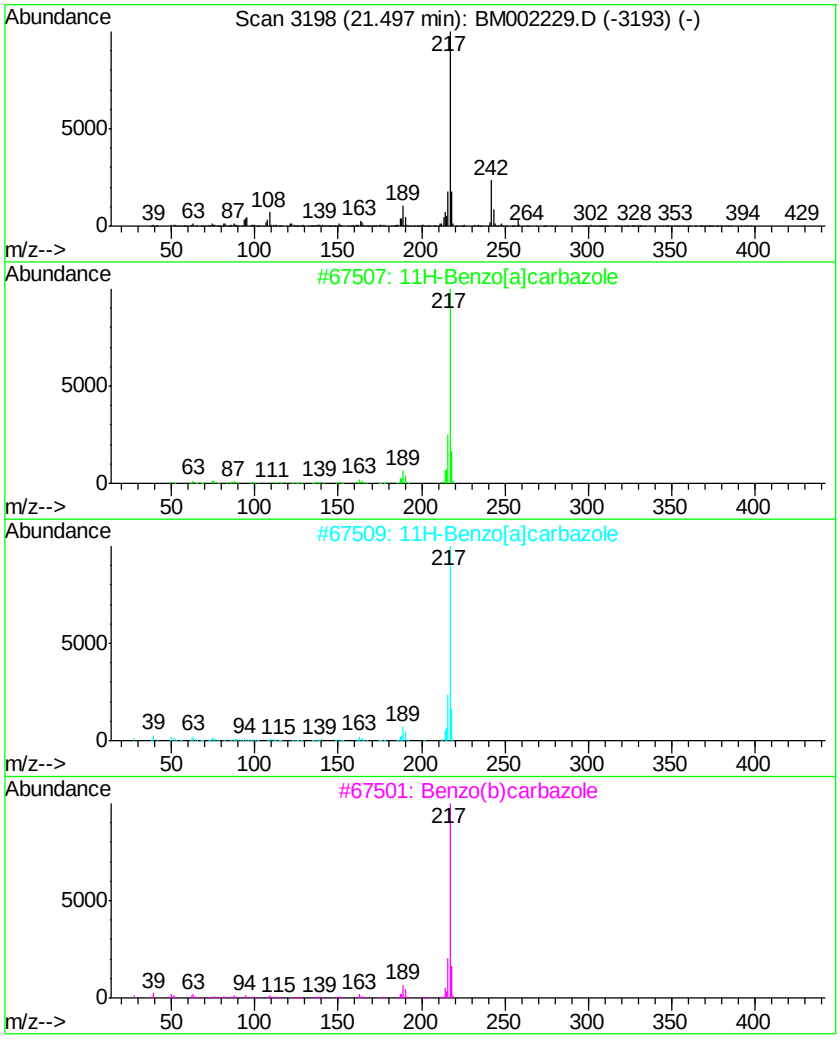
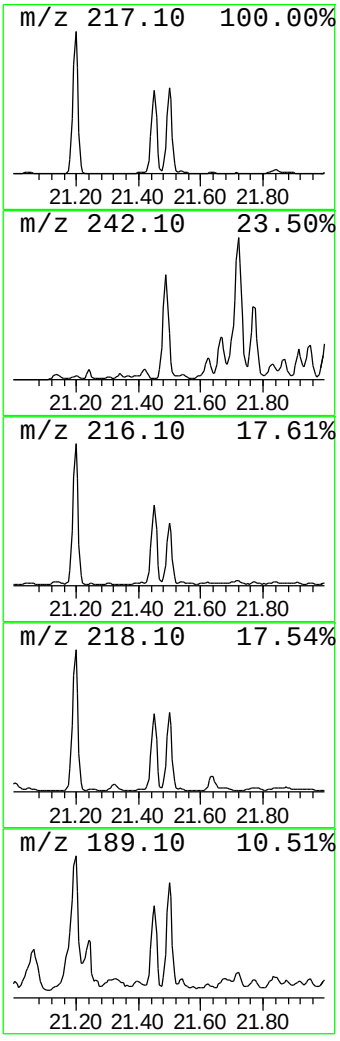
Peak Number 27 11H-Benzo[a]carbazole Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.50	2.11 ng/ul	2825370	Chrysene-d12	21.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	90
2	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	90
3	Benzo(b)carbazole	217	C16H11N	000243-28-7	81
4	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	81
5	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	74





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Quant Title : SVOA CALIBRATION

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

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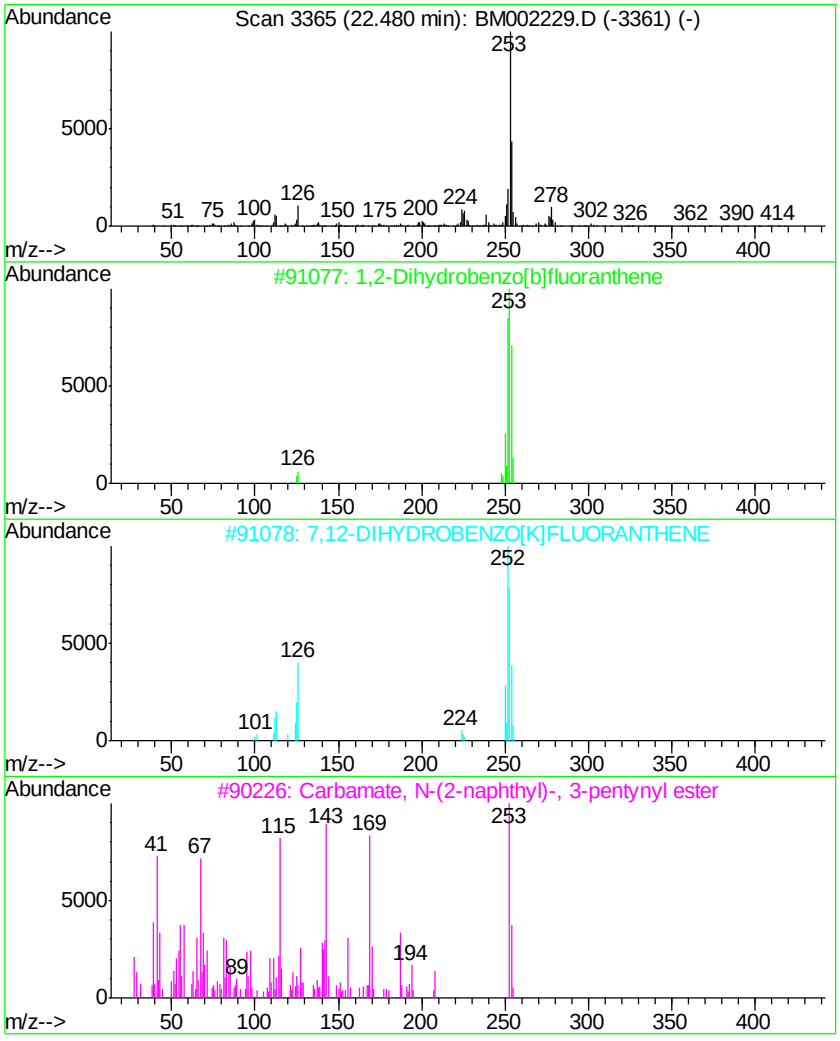
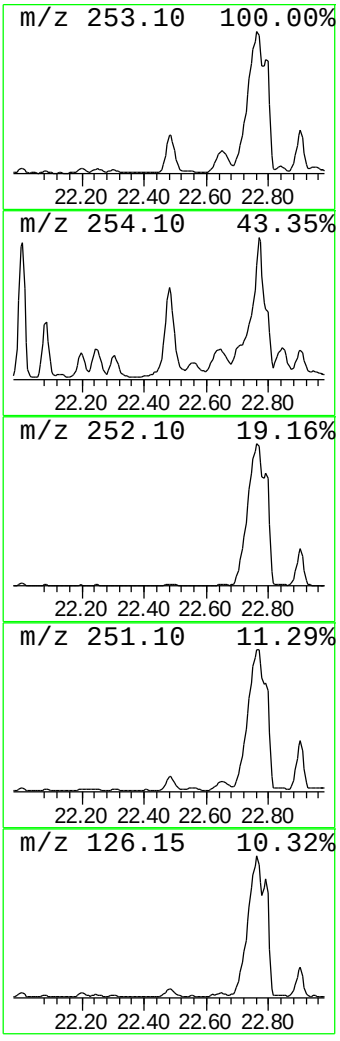
Peak Number 28 1,2-Dihydrobenzo[b]fluorant... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.48	15.78 ng/ul	1226870	Perylene-d12	23.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	53
2	7,12-DIHYDROBENZO[K]FLUORANTHENE	254	C20H14	1000080-17-7	53
3	Carbamate, N-(2-naphthyl)-, 3-pe...	253	C16H15NO2	1000197-96-0	47
4	4,4'-Biazulenyl	254	C20H14	094053-54-0	38
5	4,6'-Biazulenyl	254	C20H14	094154-49-1	38





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Data File : BM002229.D
Acq On : 05 Aug 2015 02:56
Operator : TP/UM
Sample : G3095-12RE
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S3RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

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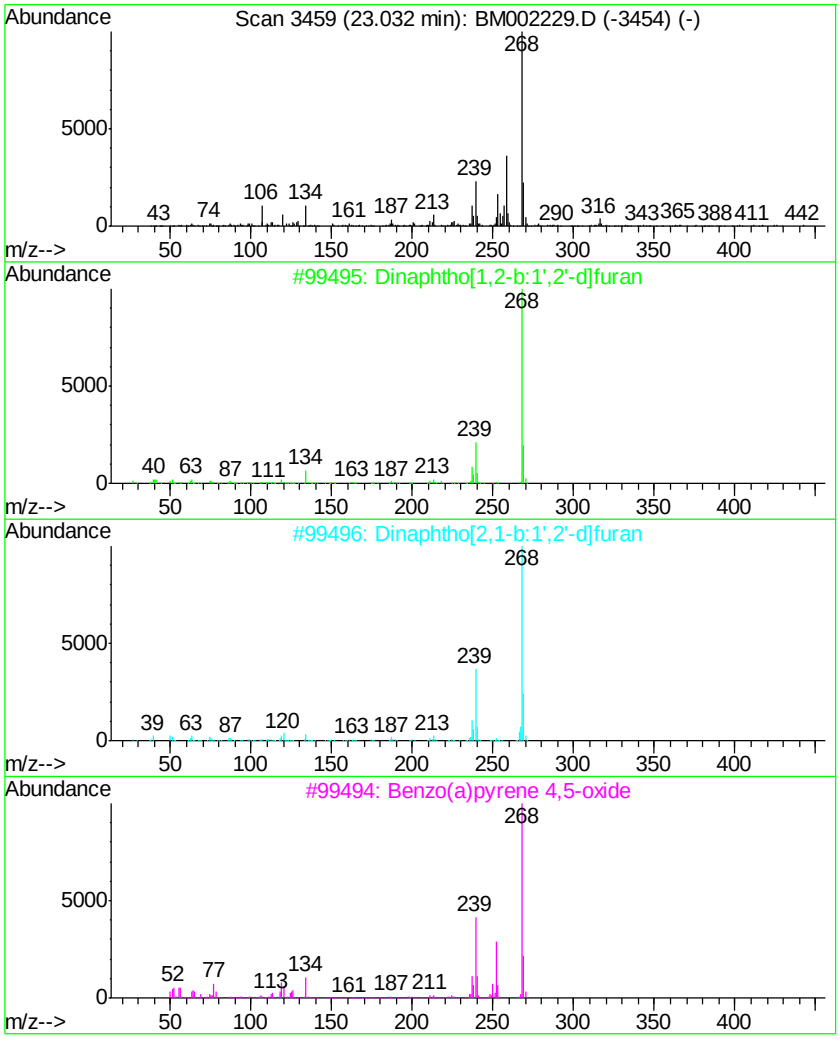
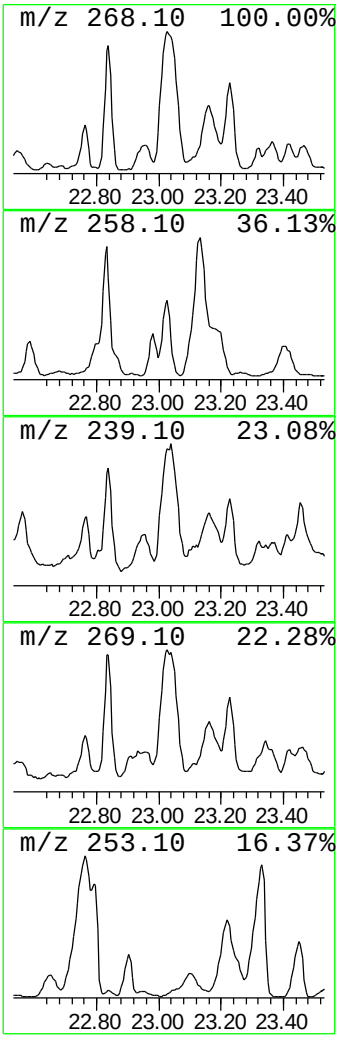
Peak Number 30 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.03	13.60 ng/ul	1057200	Perylene-d12	23.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	91
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	58
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	50
4	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	47
5	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	47





Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
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ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S3RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

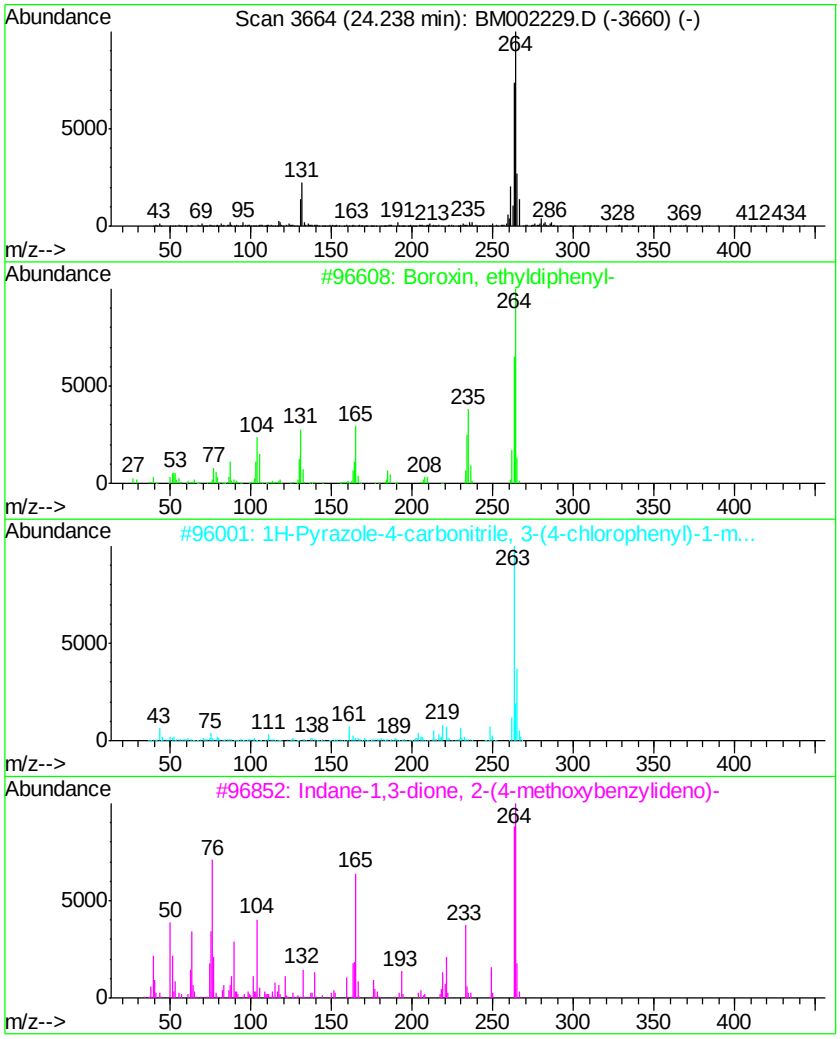
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

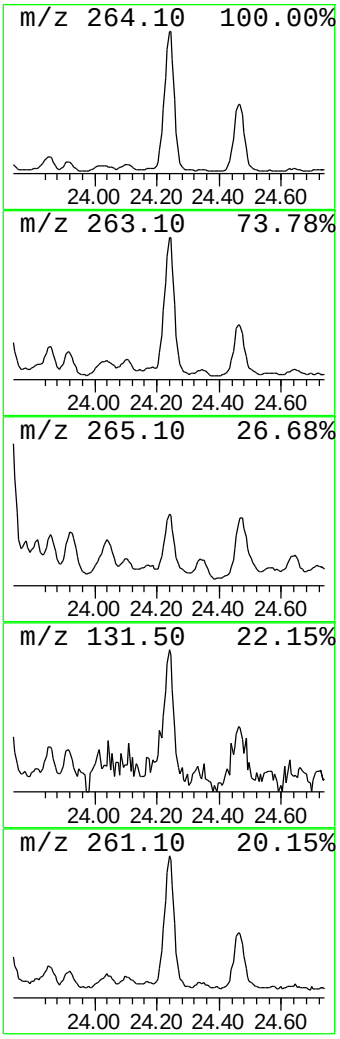
****

Peak Number 32 Boroxin, ethyldiphenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.24	23.48 ng/ul	1825750	Perylene-d12	23.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	59
2	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	43
3	Indane-1,3-dione, 2-(4-methoxybe...	264	C17H12O3	007421-76-3	42
4	5H-Dibenzo[c,f][1,2]diazepine, 3...	264	C13H10Cl2N2	000955-66-8	38
5	Lycopodan-5-one, 12-hydroxy-15-m...	263	C16H25NO2	021061-90-5	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002229.D
Acq On : 05 Aug 2015 02:56
Operator : TP/UM
Sample : G3095-12RE
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S3RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.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-Isopropenylnaph...	15.39	5.9	ng/ul	403223	3	14.20	1374910	20.0
Diphenylmethane	15.42	6.2	ng/ul	427990	3	14.20	1374910	20.0
1,1'-Biphenyl, 2-...	15.51	4.5	ng/ul	305667	3	14.20	1374910	20.0
Dibenzofuran, 4-m...	15.55	5.7	ng/ul	393797	3	14.20	1374910	20.0
2,4,6-Cycloheptat...	15.70	11.1	ng/ul	652400	4	16.97	1172210	20.0
1(2H)-Acenaphthyl...	15.94	5.4	ng/ul	315442	4	16.97	1172210	20.0
9H-Fluorene, 3-me...	16.27	7.4	ng/ul	432208	4	16.97	1172210	20.0
9H-Fluoren-9-one	16.63	5.3	ng/ul	312512	4	16.97	1172210	20.0
Anthracene, 1,2,3...	16.71	14.4	ng/ul	845719	4	16.97	1172210	20.0
Naphtho[2,3-b]thi...	16.78	25.9	ng/ul	1520180	4	16.97	1172210	20.0
Dibenzo[a,e]cyclo...	17.48	6.1	ng/ul	358110	4	16.97	1172210	20.0
Thioxanthene	17.54	6.0	ng/ul	349003	4	16.97	1172210	20.0
Phenanthrene, 1-m...	17.84	27.1	ng/ul	1590170	4	16.97	1172210	20.0
Phenanthrene, 2-m...	17.89	36.6	ng/ul	2143800	4	16.97	1172210	20.0
Anthracene, 1-met...	17.97	13.9	ng/ul	816878	4	16.97	1172210	20.0
4H-Cyclopenta[def...	18.04	75.6	ng/ul	4431920	4	16.97	1172210	20.0
1H-Indene, 3-phenyl-	18.07	12.1	ng/ul	708763	4	16.97	1172210	20.0
5,16[1',2']:8,13[...	18.34	22.7	ng/ul	1330110	4	16.97	1172210	20.0
9,10-Anthracenedione	18.40	11.2	ng/ul	657863	4	16.97	1172210	20.0
Phenanthrene, 4,5...	18.59	5.3	ng/ul	308912	4	16.97	1172210	20.0
Phenanthrene, 2,5...	18.77	10.8	ng/ul	631294	4	16.97	1172210	20.0
Cyclopenta(def)ph...	18.93	8.5	ng/ul	500268	4	16.97	1172210	20.0
Fluoranthene, 2-m...	19.92	3.6	ng/ul	4773170	5	21.20	26774000	20.0
11H-Benzo[b]fluorene	20.01	3.9	ng/ul	5224230	5	21.20	26774000	20.0
Cyclopenta[cd]pyrene	20.90	2.6	ng/ul	3498420	5	21.20	26774000	20.0
Cyclopenta(cd)pyr...	21.34	3.8	ng/ul	5106230	5	21.20	26774000	20.0
11H-Benzo[a]carba...	21.50	2.1	ng/ul	2825370	5	21.20	26774000	20.0
1,2-Dihydrobenzo[...	22.48	15.8	ng/ul	1226870	6	23.40	1554980	20.0
Dinaphtho[1,2-b:1...	23.03	13.6	ng/ul	1057200	6	23.40	1554980	20.0
Boroxin, ethyldip...	24.24	23.5	ng/ul	1825750	6	23.40	1554980	20.0