LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070915\
Data File : BM001888.D
Acq On : 09 Jul 2015 18:38
Operator : TP/UM
Sample : G2860-04DL 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93H9DL

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-BM061515.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	2.805	16	20	25	rBV	35454	57803	2.46%	0.202%
2	2.881	29	33	40	rBV	764813	951831	40.52%	3.323%
3	6.834	699	705	714	rBB	54151	90195	3.84%	0.315%
4	7.004	728	734	739	rBB	40713	60556	2.58%	0.211%
5	7.193	761	766	772	rBB	55184	82062	3.49%	0.286%
6	7.663	839	846	852	rBB	131717	199906	8.51%	0.698%
7	8.369	961	966	972	rBB	52856	79056	3.37%	0.276%
8	8.487	980	986	992	rBB	35971	56561	2.41%	0.197%
9	8.822	1038	1043	1049	rBB	49483	77602	3.30%	0.271%
10	9.545	1160	1166	1171	rBV	40633	64317	2.74%	0.225%
11	10.075	1251	1256	1264	rVB	70350	102147	4.35%	0.357%
12	10.451	1314	1320	1325	rBV	190196	313399	13.34%	1.094%
13	10.504	1325	1329	1335	rVV	41188	64619	2.75%	0.226%
14	10.598	1339	1345	1353	rBB2	35116	57566	2.45%	0.201%
15	13.727	1873	1877	1882	rVV	107147	146326	6.23%	0.511%
16	13.774	1882	1885	1892	rVB	34743	46528	1.98%	0.162%
17	14.010	1919	1925	1928	rBV	114645	170912	7.28%	0.597%
18	14.039	1928	1930	1940	rVB	53036	67780	2.89%	0.237%
19	14.321	1970	1978	1984	rVV2	287391	444948	18.94%	1.553%
20	14.380	1984	1988	1995	rVV	57375	82991	3.53%	0.290%
21	14.527	2008	2013	2021	rBV2	39859	59661	2.54%	0.208%
22	14.721	2040	2046	2053	rVV	46837	65210	2.78%	0.228%
23	15.316	2141	2147	2152	rBV	139923	192958	8.21%	0.674%
24	15.368	2152	2156	2164	rVB	67878	98033	4.17%	0.342%
25	16.721	2381	2386	2394	rVV	48172	73370	3.12%	0.256%
26	16.886	2409	2414	2423	rVB	40339	59291	2.52%	0.207%
27	17.068	2439	2445	2448	rBV	388121	546219	23.25%	1.907%
28	17.110	2448	2452	2457	rVV	1036953	1429738	60.86%	4.991%
29	17.168	2457	2462	2464	rVV	174440	240711	10.25%	0.840%
30	17.198	2464	2467	2473	rVV	207749	269403	11.47%	0.940%
31	17.474	2503	2514	2523	rBV2	69529	122981	5.24%	0.429%
32	17.645	2539	2543	2553	rVB5	25874	44650	1.90%	0.156%
33	17.939	2585	2593	2598	rBV	140377	221425	9.43%	0.773%
34	17.992	2598	2602	2607	rVB	177390	245876	10.47%	0.858%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070915\
Data File : BM001888.D
Acq On : 09 Jul 2015 18:38
Operator : TP/UM
Sample : G2860-04DL 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93H9DL

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-BM061515.M
Title : SVOA CALIBRATION

35	18.068	2607	2615	2620	rBV	58534	85540	3.64%	0.299%
36	18.139	2620	2627	2630	rBV2	197182	354711	15.10%	1.238%
37	18.174	2630	2633	2639	rVB	107516	140376	5.98%	0.490%
38	18.445	2674	2679	2683	rBV	122668	165075	7.03%	0.576%
39	18.492	2683	2687	2691	rVB	103268	138368	5.89%	0.483%
40	18.692	2717	2721	2726	rVB	34584	42992	1.83%	0.150%
41	18.780	2733	2736	2740	rVB3	29395	38054	1.62%	0.133%
42	18.868	2740	2751	2756	rBV2	102004	207516	8.83%	0.724%
43	18.927	2756	2761	2764	rVV2	42785	86259	3.67%	0.301%
44	18.956	2764	2766	2770	rVB	32232	37459	1.59%	0.131%
45	19.009	2770	2775	2783	rBV	95586	165209	7.03%	0.577%
46	19.133	2790	2796	2803	rVB	1814667	2349187	100.00%	8.201%
47	19.233	2809	2813	2818	rVB2	36987	53576	2.28%	0.187%
48	19.280	2818	2821	2825	rVB	39957	50275	2.14%	0.176%
49	19.333	2825	2830	2834	rBV3	34313	60048	2.56%	0.210%
50	19.380	2834	2838	2841	rBV	33389	48097	2.05%	0.168%
51	19.468	2847	2853	2854	rBV2	405452	510543	21.73%	1.782%
52	19.498	2854	2858	2866	rVB	1726042	2335416	99.41%	8.153%
53	19.568	2866	2870	2877	rVB2	77695	117973	5.02%	0.412%
54	19.674	2881	2888	2894	rBV	80597	130449	5.55%	0.455%
55	19.733	2894	2898	2904	rVB2	66787	101170	4.31%	0.353%
56	19.821	2907	2913	2920	rVV2	118051	283259	12.06%	0.989%
57	19.956	2931	2936	2938	rBV5	90017	152568	6.49%	0.533%
58	19.992	2938	2942	2947	rVB	182675	269370	11.47%	0.940%
59	20.092	2955	2959	2963	rBV	92891	117424	5.00%	0.410%
60	20.151	2963	2969	2973	rVV2	160201	260984	11.11%	0.911%
61	20.192	2973	2976	2980	rVB2	45121	47965	2.04%	0.167%
62	20.292	2989	2993	2997	rBV	112478	149358	6.36%	0.521%
63	20.339	2997	3001	3005	rVB	114362	146244	6.23%	0.511%
64	20.450	3016	3020	3025	rVB6	33673	57180	2.43%	0.200%
65	20.550	3033	3037	3039	rBV5	24092	40334	1.72%	0.141%
66	20.745	3065	3070	3077	rVB	168147	246569	10.50%	0.861%
67	20.903	3090	3097	3101	rBV2	142821	274514	11.69%	0.958%
68	20.945	3101	3104	3107	rVV	142864	178465	7.60%	0.623%
69	20.980	3107	3110	3116	rVV2	140619	244522	10.41%	0.854%
70	21.039	3116	3120	3131	rVB2	174057	283743	12.08%	0.991%
71	21.150	3131	3139	3144	rBV2	48662	115410	4.91%	0.403%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070915\
Data File : BM001888.D
Acq On : 09 Jul 2015 18:38
Operator : TP/UM
Sample : G2860-04DL 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93H9DL

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-BM061515.M
Title : SVOA CALIBRATION

72	21.250	3147	3156	3161	rBV2	1117844	2221133	94.55%	7.754%
73	21.297	3161	3164	3174	rVB	872431	1153382	49.10%	4.026%
74	21.415	3180	3184	3189	rBV2	104282	154032	6.56%	0.538%
75	21.468	3189	3193	3197	rBV2	61161	90951	3.87%	0.318%
76	21.574	3206	3211	3215	rBV2	93680	154242	6.57%	0.538%
77	21.621	3215	3219	3222	rVV4	45164	56453	2.40%	0.197%
78	21.809	3244	3251	3254	rBV	159889	251032	10.69%	0.876%
79	21.856	3256	3259	3265	rVB2	106481	161401	6.87%	0.563%
80	21.927	3268	3271	3274	rVV2	34881	44872	1.91%	0.157%
81	22.003	3280	3284	3287	rBV	85831	126691	5.39%	0.442%
82	22.103	3297	3301	3305	rVB3	70035	108705	4.63%	0.379%
83	22.292	3329	3333	3337	rBV6	42944	69974	2.98%	0.244%
84	22.568	3375	3380	3391	rVB5	58854	150600	6.41%	0.526%
85	22.827	3416	3424	3428	rBV	681580	1547401	65.87%	5.402%
86	22.991	3447	3452	3457	rBV	128339	204582	8.71%	0.714%
87	23.127	3470	3475	3483	rBV3	46087	133048	5.66%	0.464%
88	23.303	3499	3505	3510	rBV	407020	741572	31.57%	2.589%
89	23.350	3510	3513	3516	rVV2	132153	216513	9.22%	0.756%
90	23.397	3516	3521	3527	rVB	621848	1092764	46.52%	3.815%
91	23.491	3529	3537	3542	rBV	371945	743344	31.64%	2.595%
92	23.539	3542	3545	3553	rVB2	155651	302781	12.89%	1.057%
93	24.362	3680	3685	3695	rVB4	46647	124938	5.32%	0.436%
94	24.733	3743	3748	3761	rVB6	48668	132638	5.65%	0.463%
95	25.062	3798	3804	3809	rBV5	32404	75981	3.23%	0.265%
96	25.503	3874	3879	3886	rVB3	56119	127658	5.43%	0.446%
97	25.744	3910	3920	3929	rVB	314907	920344	39.18%	3.213%
98	25.997	3958	3963	3972	rVB	52519	129423	5.51%	0.452%
99	26.097	3974	3980	3985	rVV	31907	76966	3.28%	0.269%
100	26.427	4029	4036	4050	rVB	111259	359107	15.29%	1.254%

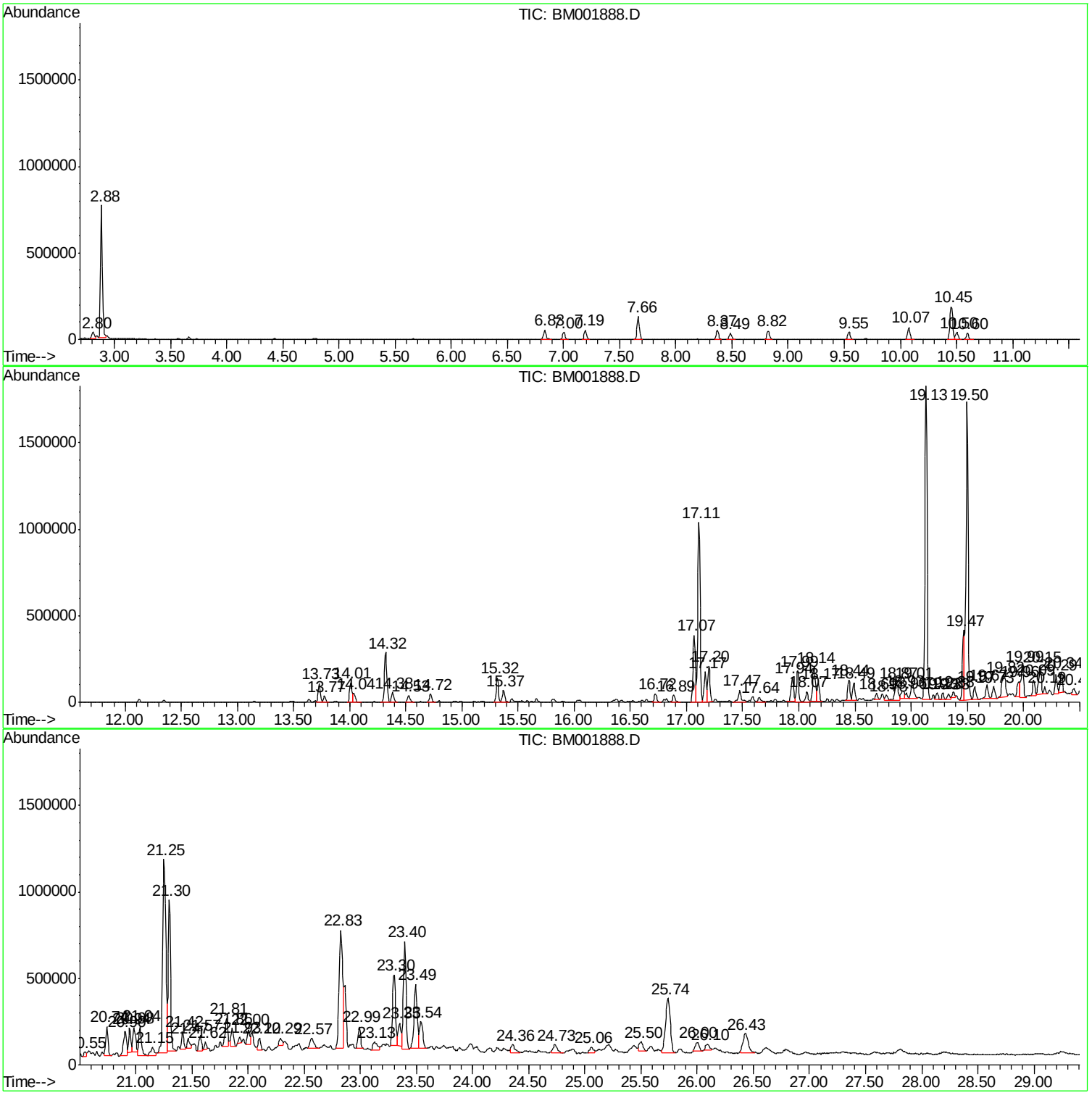
Sum of corrected areas: 28645361

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070915\
Data File : BM001888.D
Acq On : 09 Jul 2015 18:38
Operator : TP/UM
Sample : G2860-04DL 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
G93H9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070915\
Data File : BM001888.D
Acq On : 09 Jul 2015 18:38
Operator : TP/UM
Sample : G2860-04DL 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93H9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

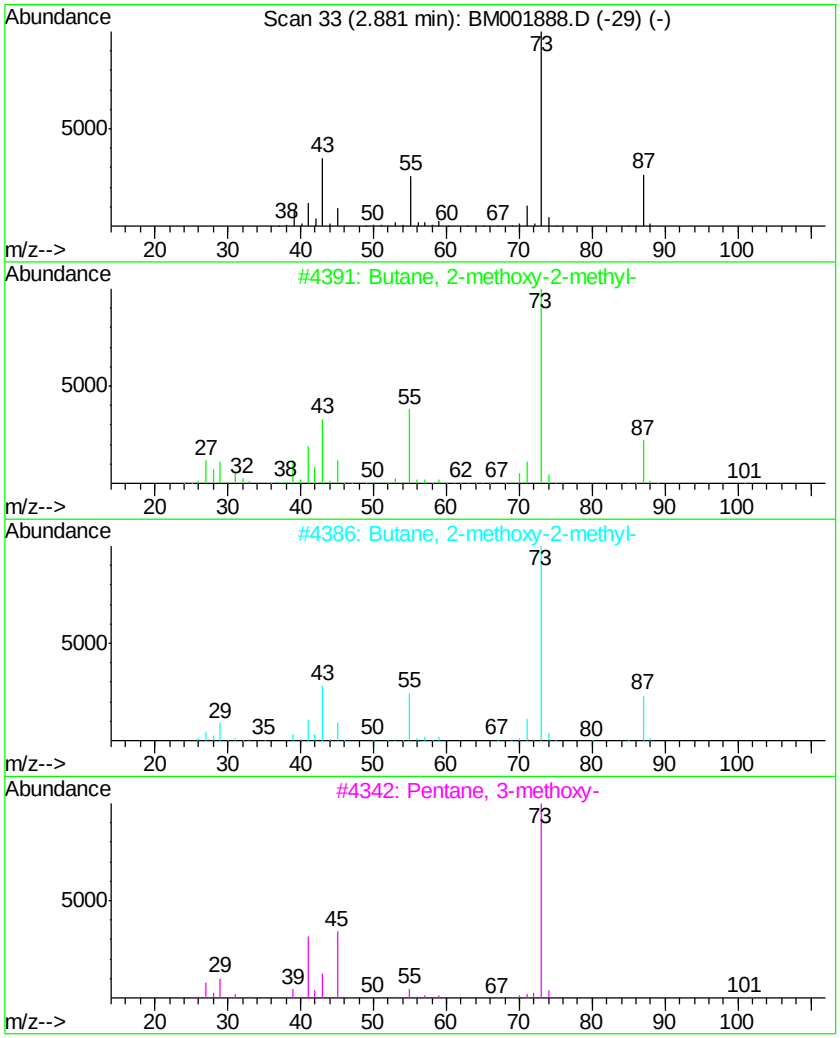
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

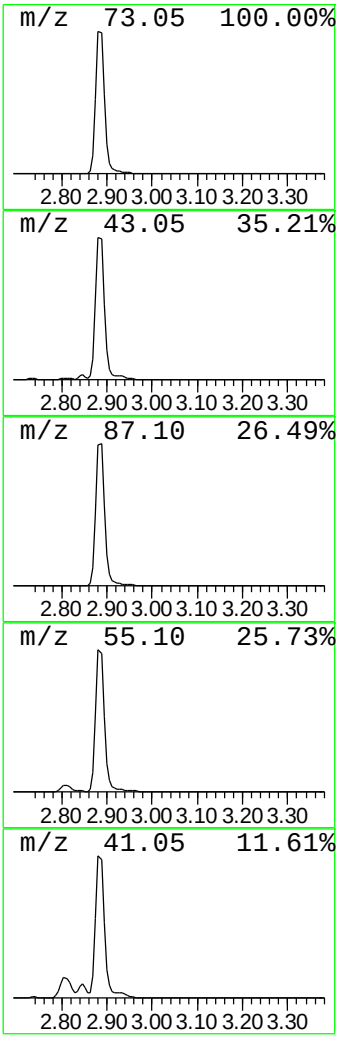
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.88	95.23 ng/ul	951831	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070915\
Data File : BM001888.D
Acq On : 09 Jul 2015 18:38
Operator : TP/UM
Sample : G2860-04DL 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93H9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

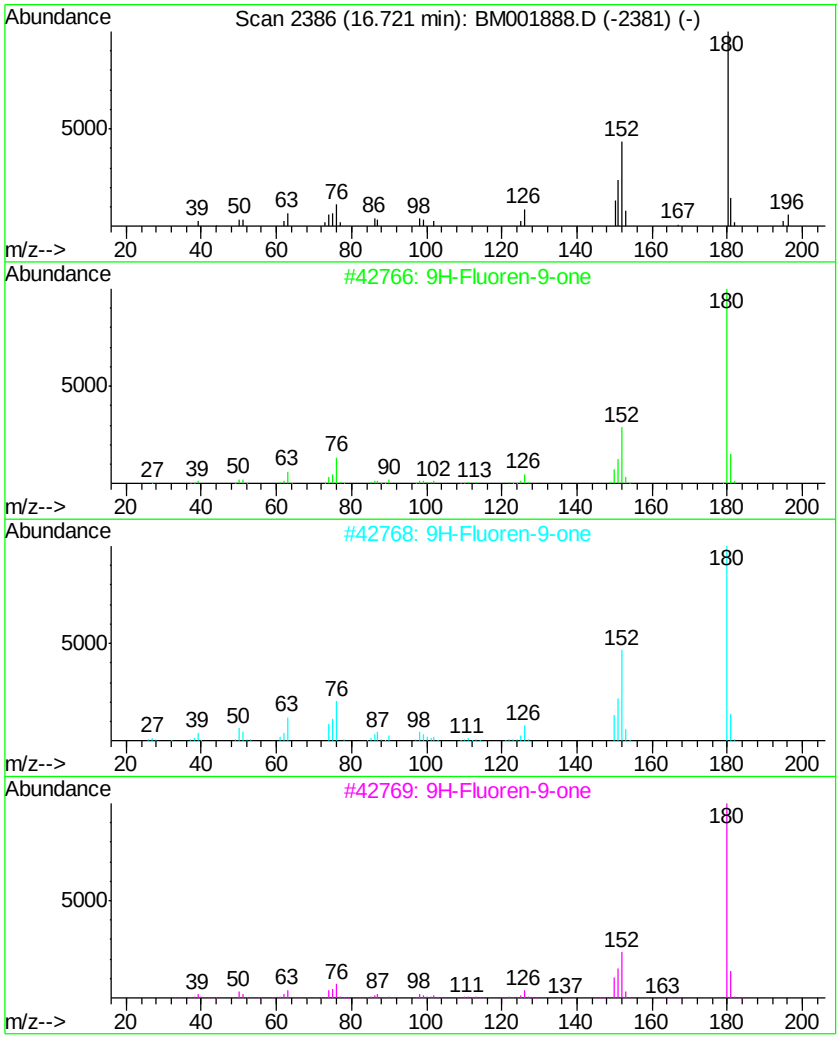
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

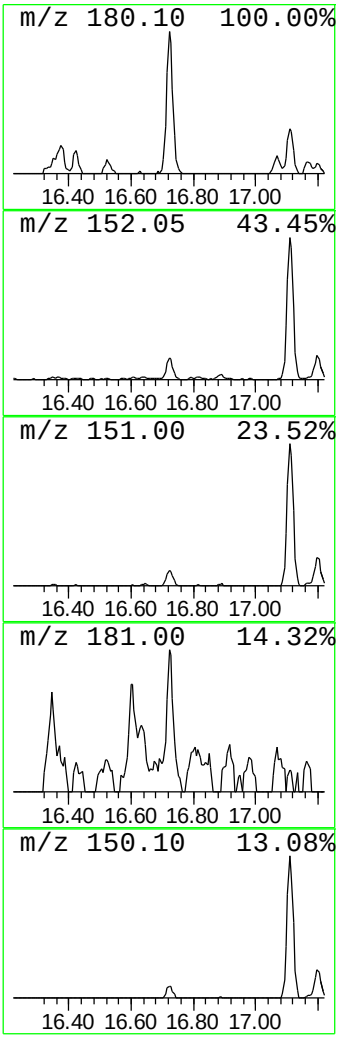
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	2.69 ng/ul	73370	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	78





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070915\
Data File : BM001888.D
Acq On : 09 Jul 2015 18:38
Operator : TP/UM
Sample : G2860-04DL 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93H9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

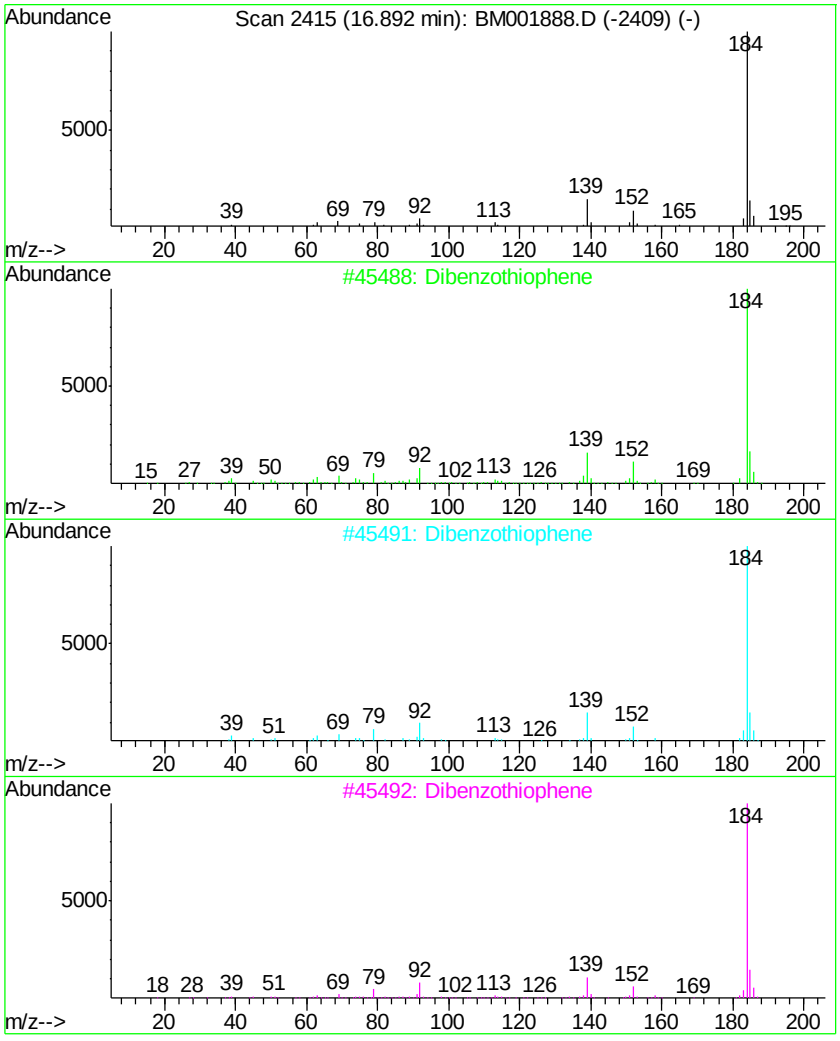
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

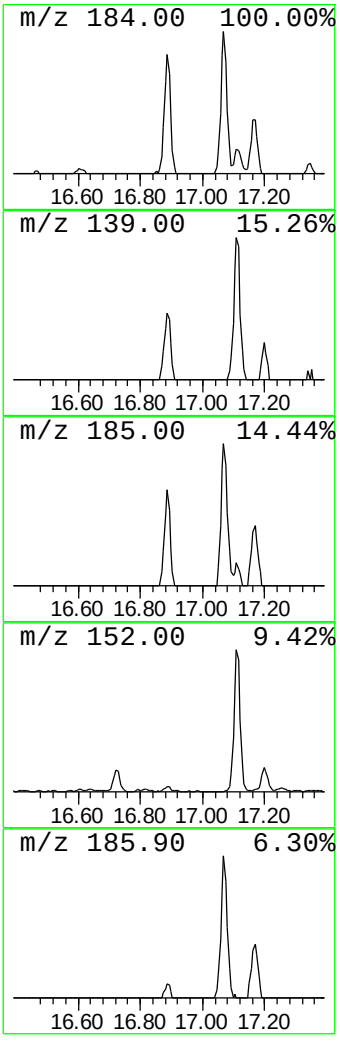
****

Peak Number 4 Dibenzothiophene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	2.17 ng/ul	59291	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070915\
Data File : BM001888.D
Acq On : 09 Jul 2015 18:38
Operator : TP/UM
Sample : G2860-04DL 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93H9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

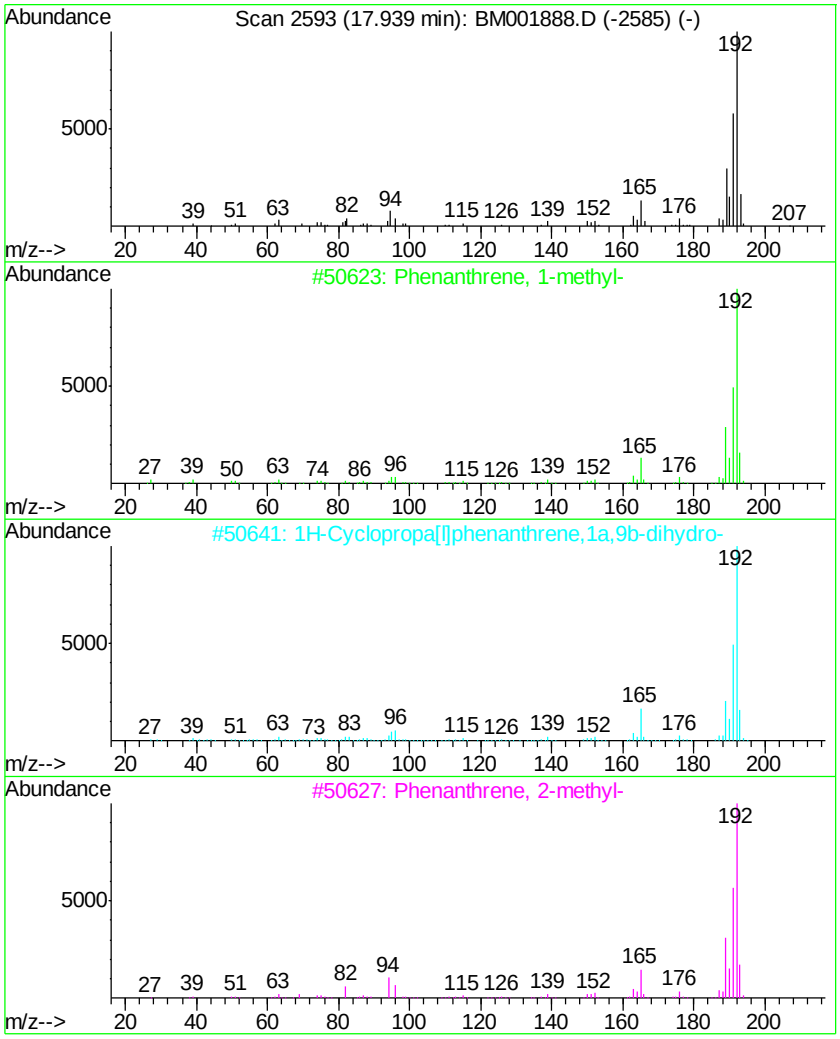
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

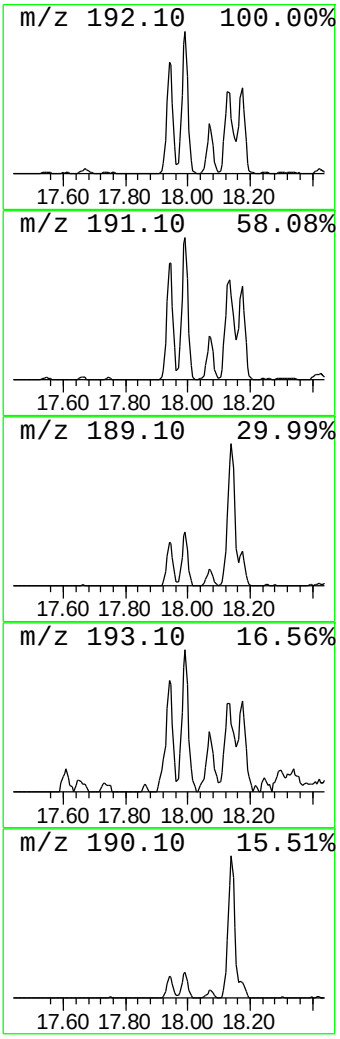
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	8.11 ng/ul	221425	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070915\
Data File : BM001888.D
Acq On : 09 Jul 2015 18:38
Operator : TP/UM
Sample : G2860-04DL 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93H9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

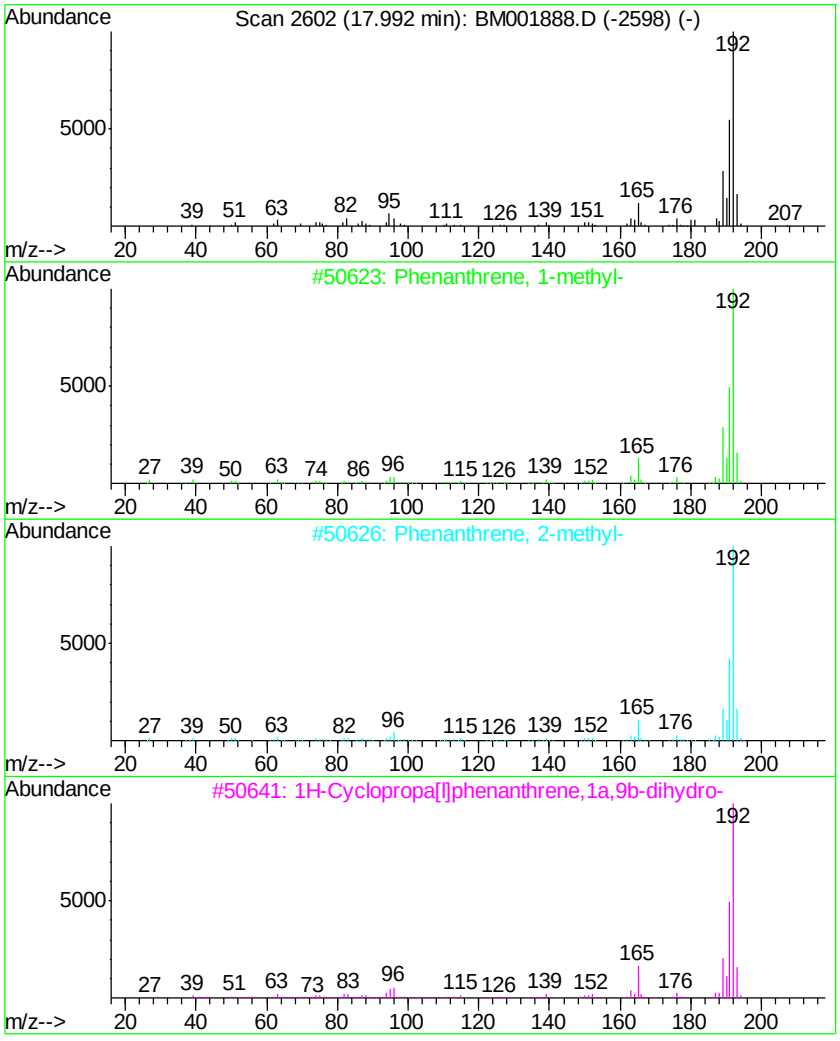
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

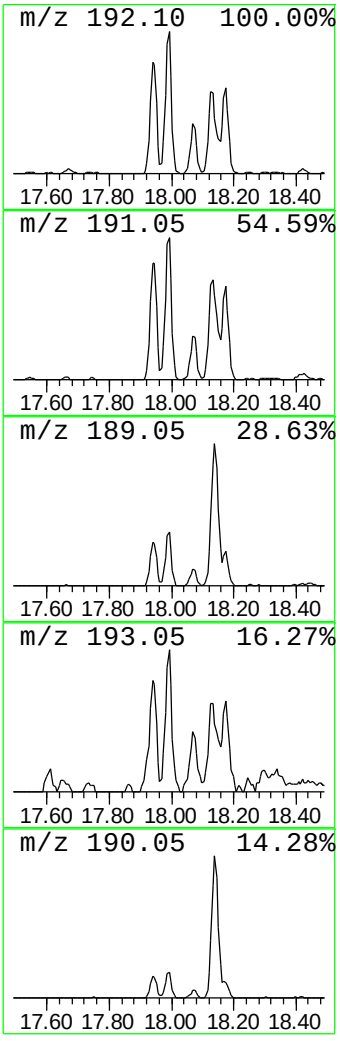
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	9.00 ng/ul	245876	Phenanthrene-d10	17.07

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070915\
Data File : BM001888.D
Acq On : 09 Jul 2015 18:38
Operator : TP/UM
Sample : G2860-04DL 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93H9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

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

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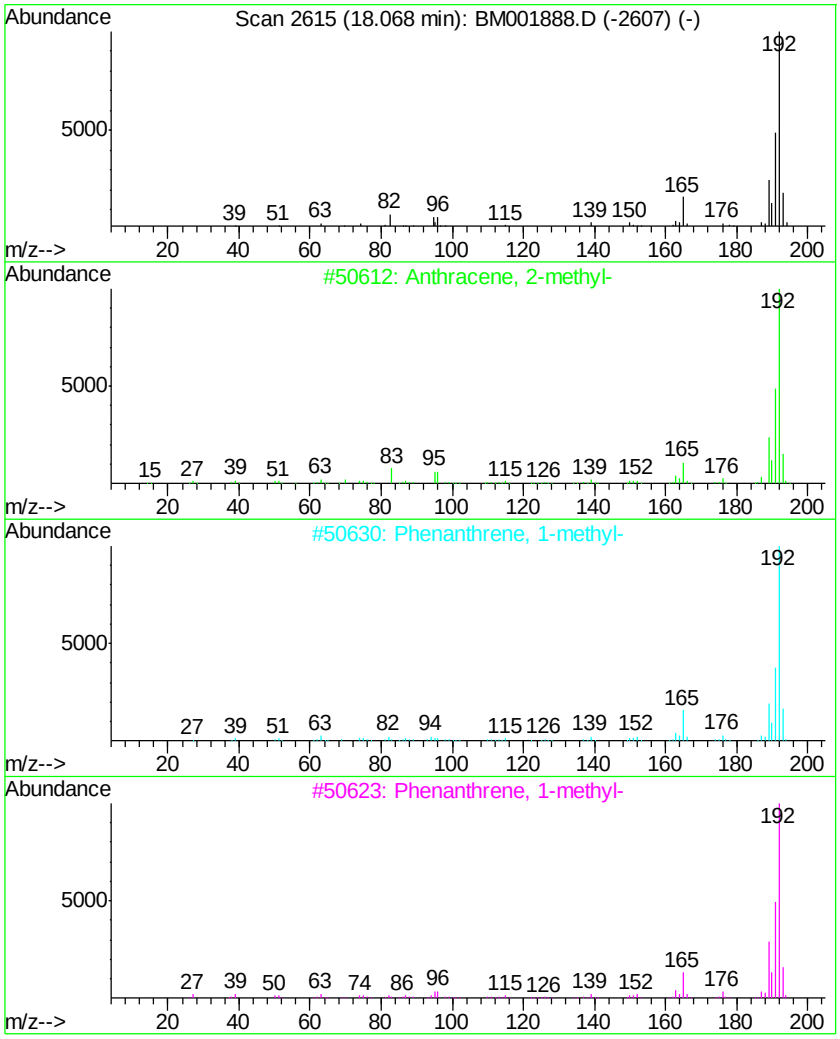
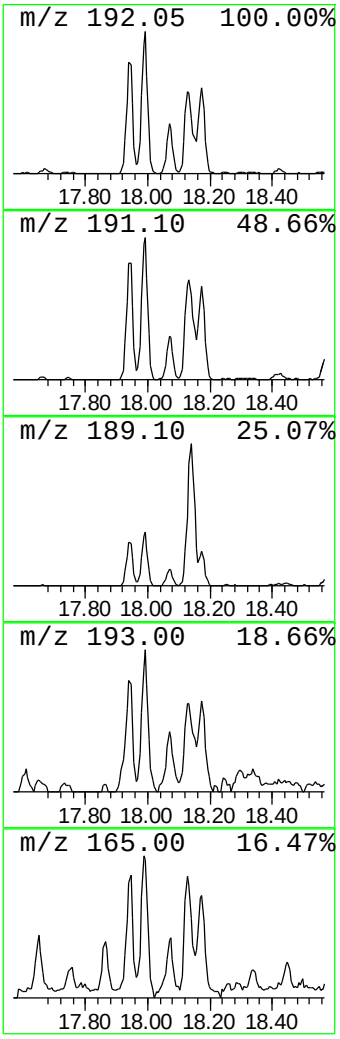
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	3.13 ng/ul	85540	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93H9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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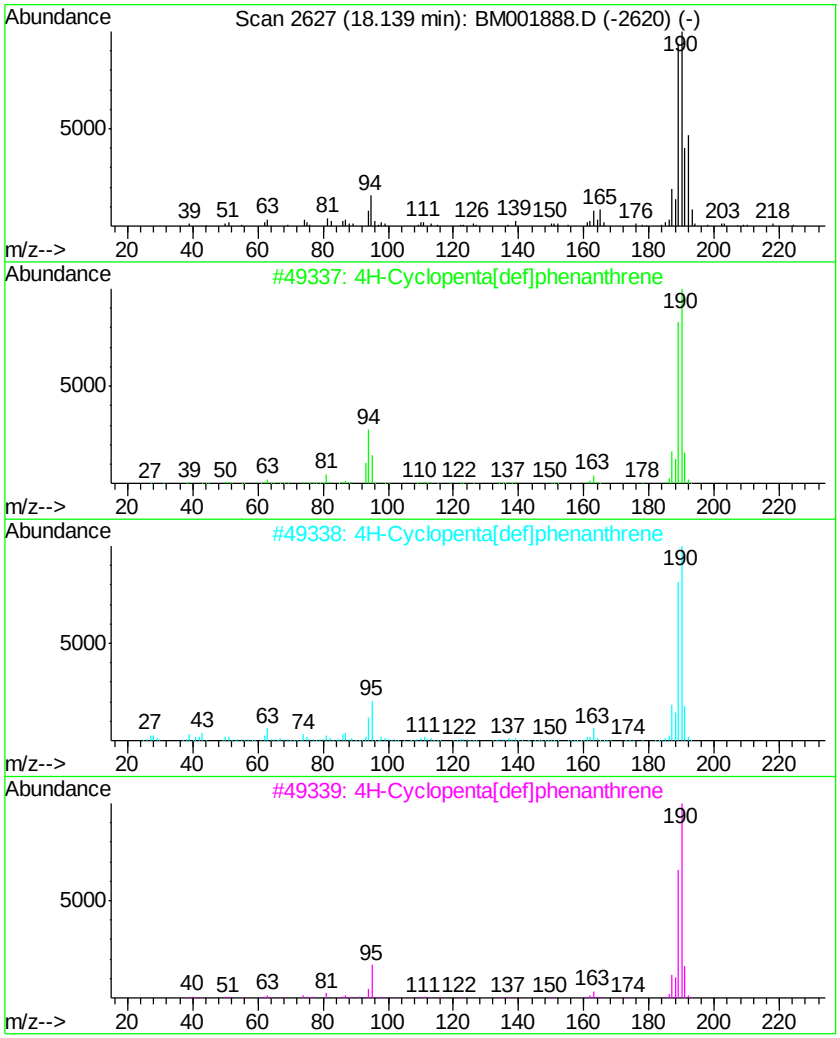
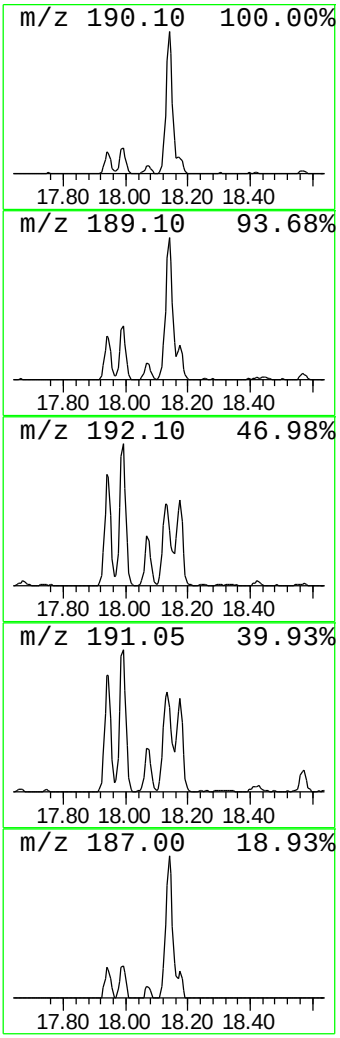
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	12.99 ng/ul	354711	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
4	Methyl diselenide	190	C2H6Se2	007101-31-7	45
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43





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Operator : TP/UM
Sample : G2860-04DL 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93H9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

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

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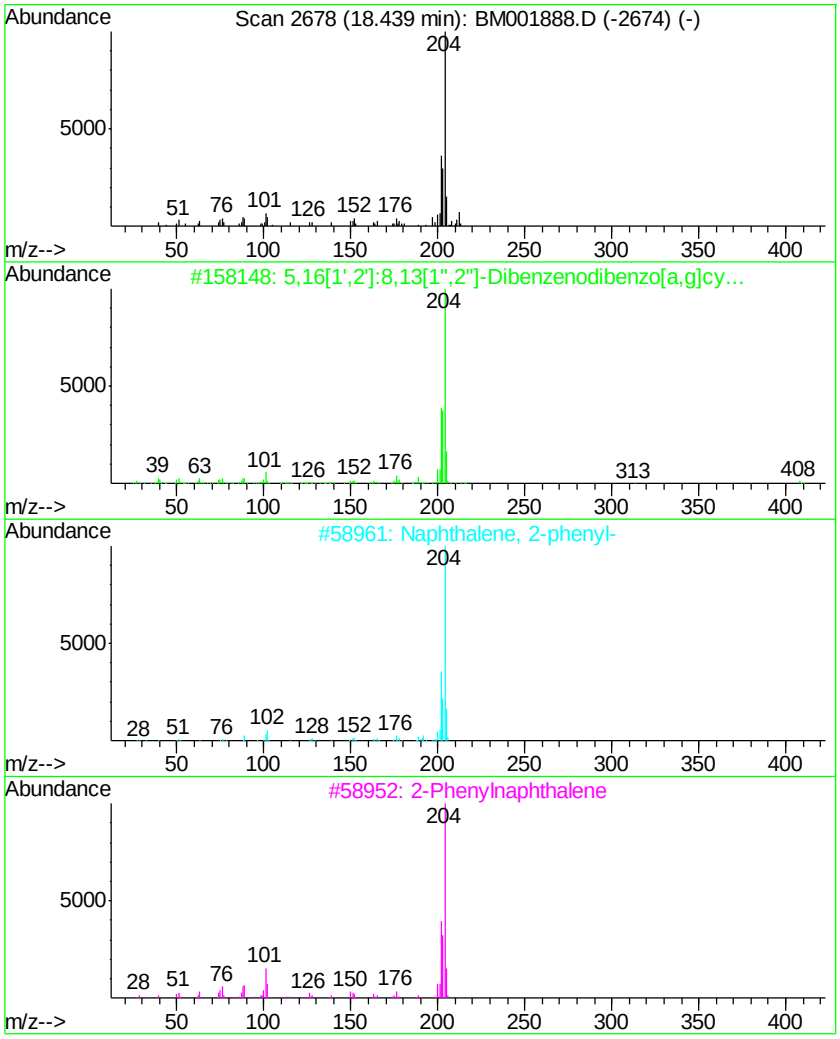
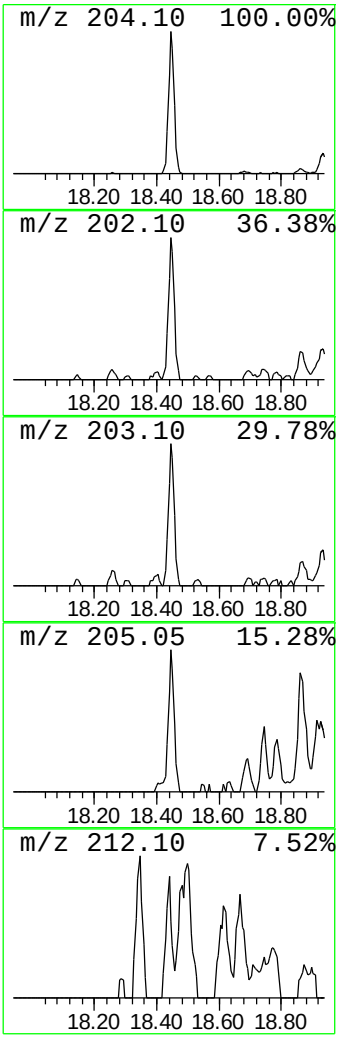
Peak Number 10 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	6.04 ng/ul	165075	Phenanthrene-d10	17.07

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	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	76
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





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ClientSampleId : G93H9DL

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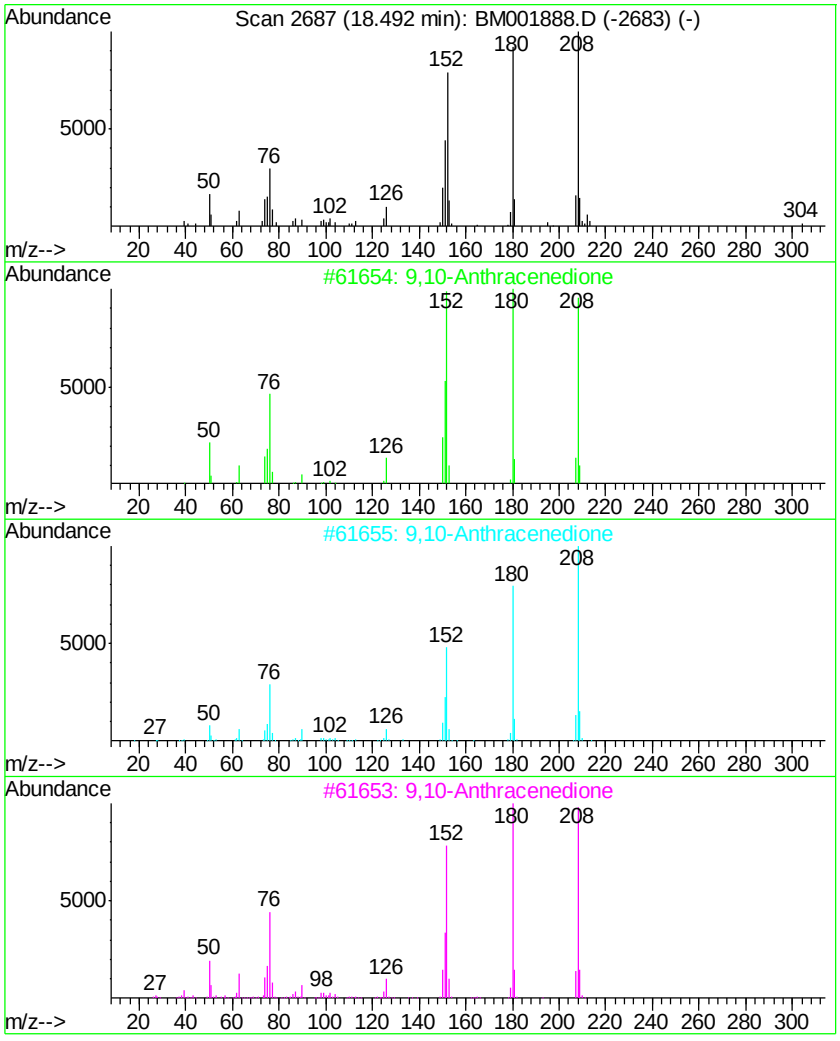
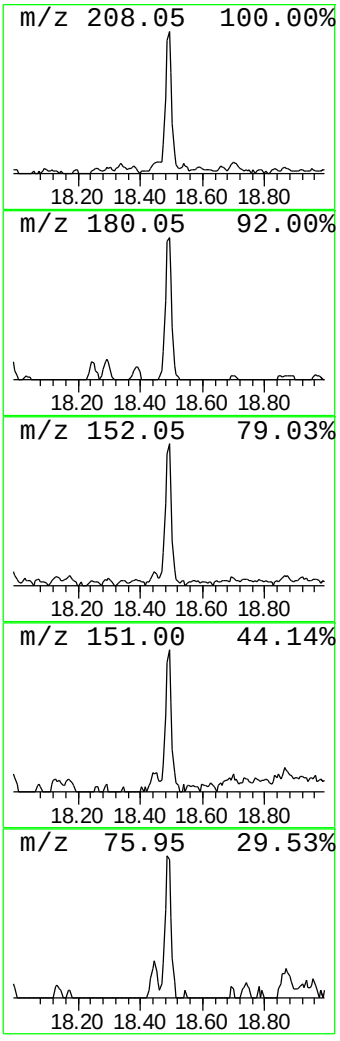
Peak Number 11 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	5.07 ng/ul	138368	Phenanthrene-d10	17.07

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	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	92
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	83





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93H9DL

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Quant Title : SVOA CALIBRATION

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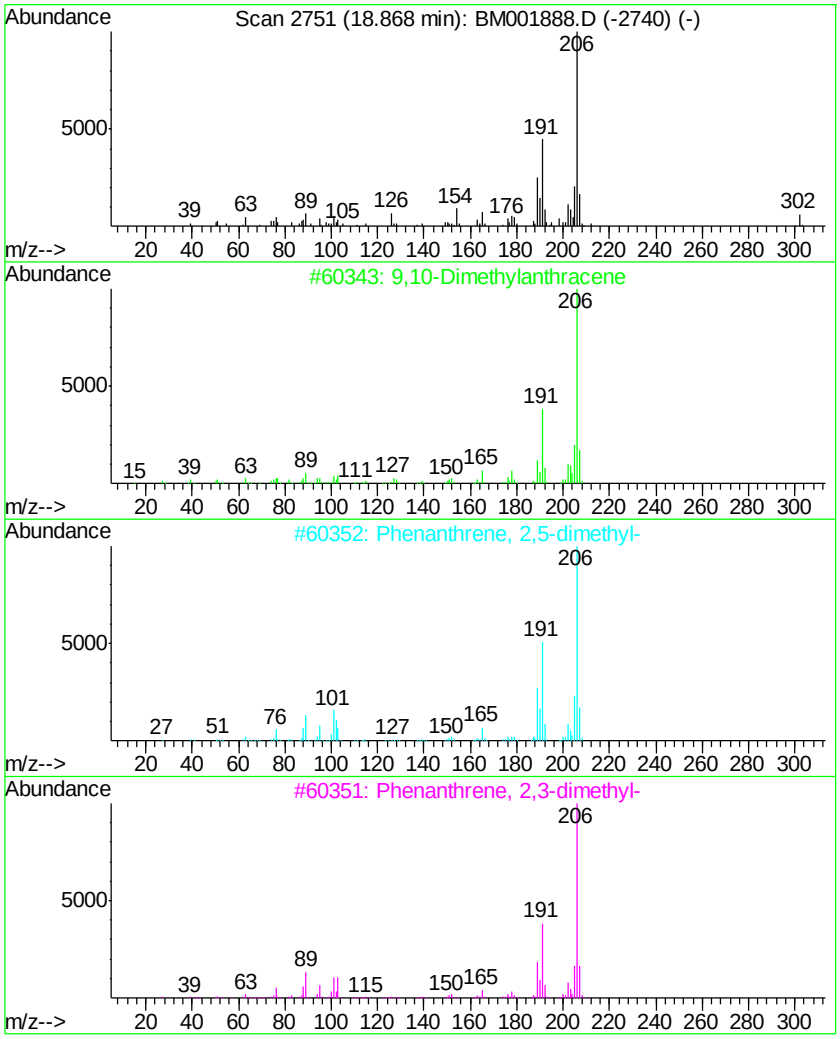
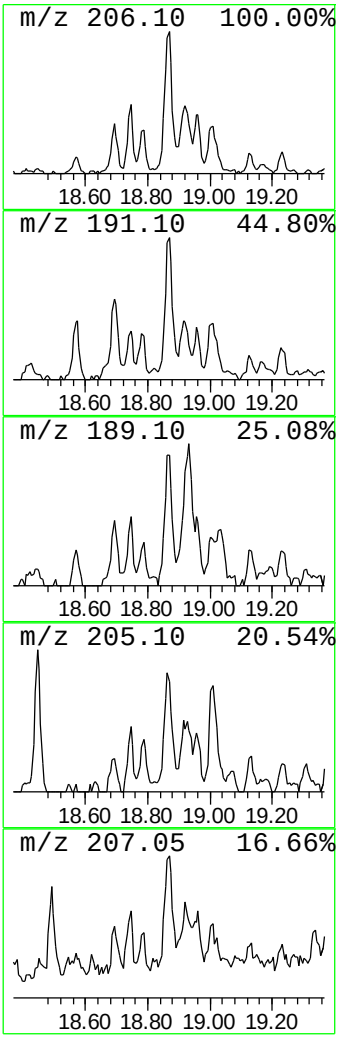
Peak Number 12 9,10-Dimethylanthracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	7.60 ng/ul	207516	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	98
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93H9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

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

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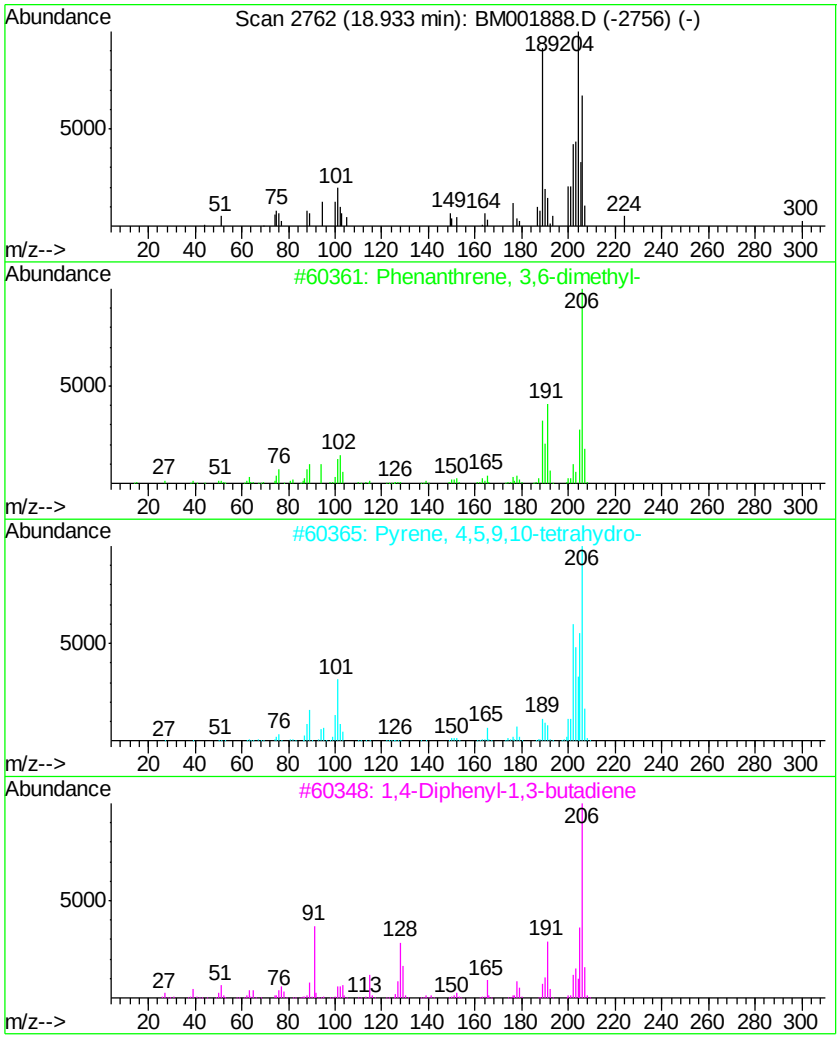
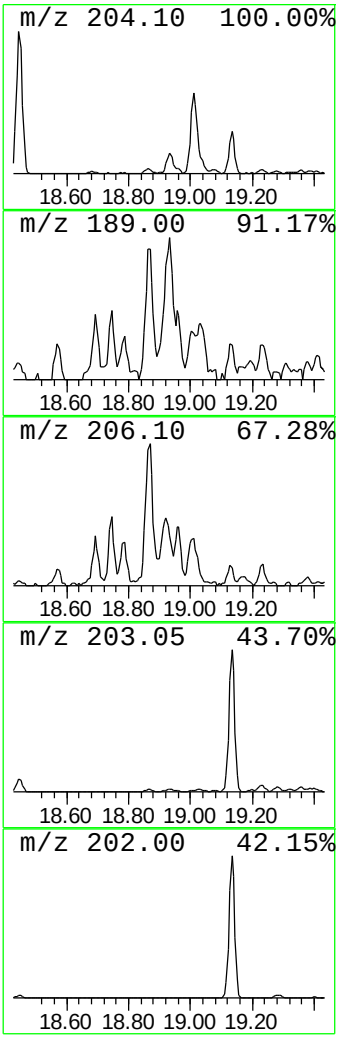
Peak Number 13 unknown-01 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	3.16 ng/ul	86259	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
3	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	38
4	6-Chloro-2-acetonaphthone	204	C12H9ClO	042036-59-9	38
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	35





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93H9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

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

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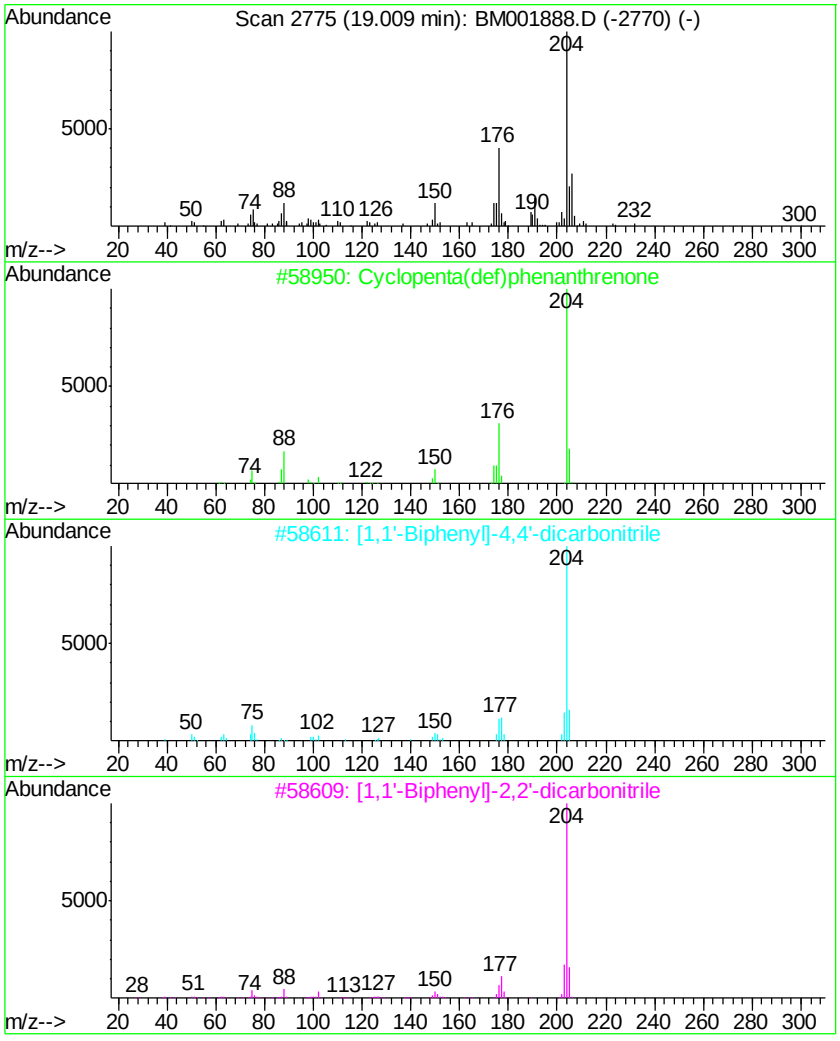
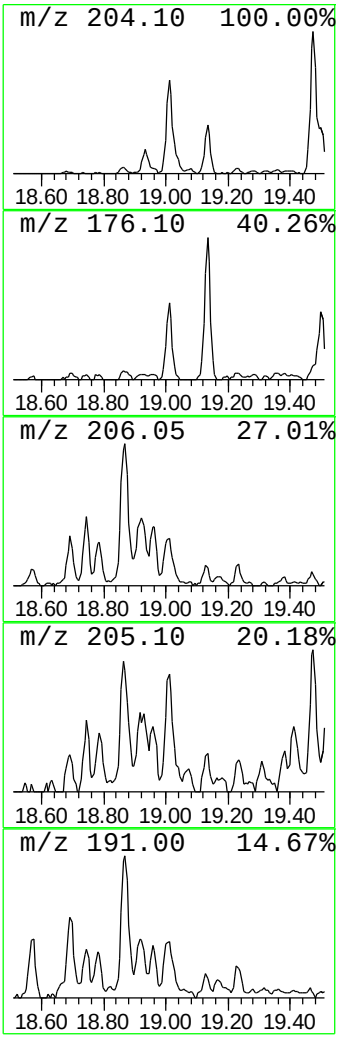
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.01	6.05 ng/ul	165209	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	46
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93H9DL

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TIC Library : C:\DATABASE\NIST02.L
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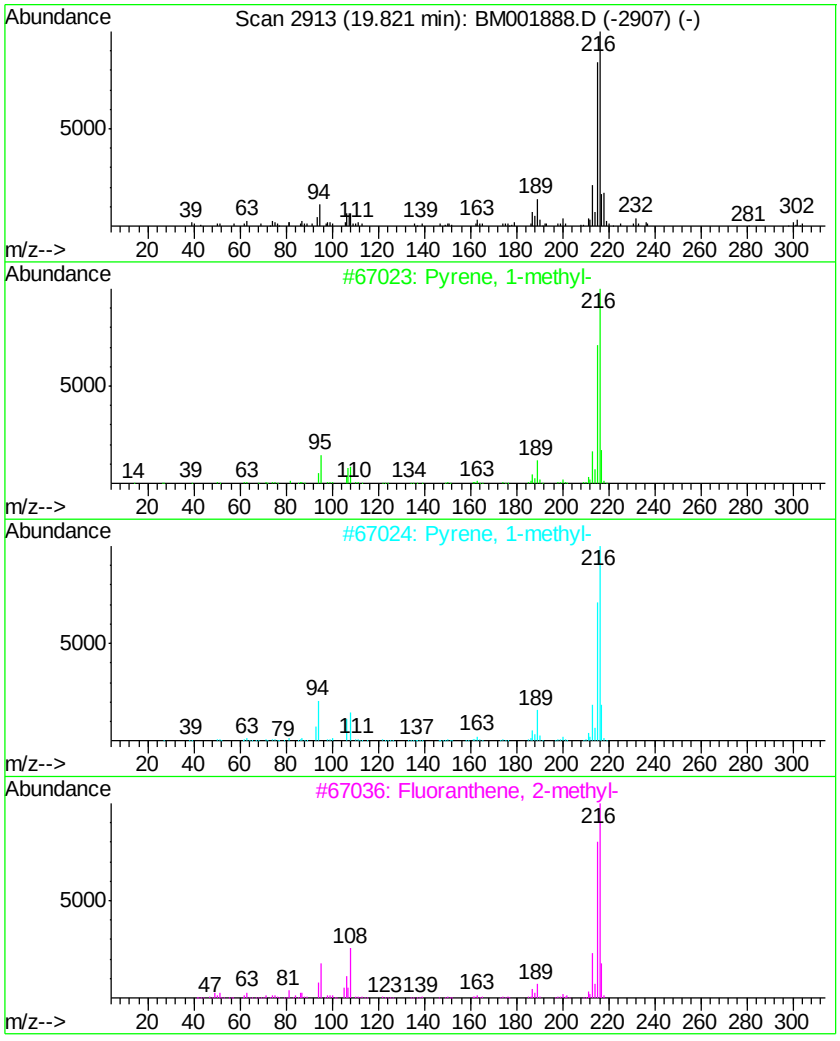
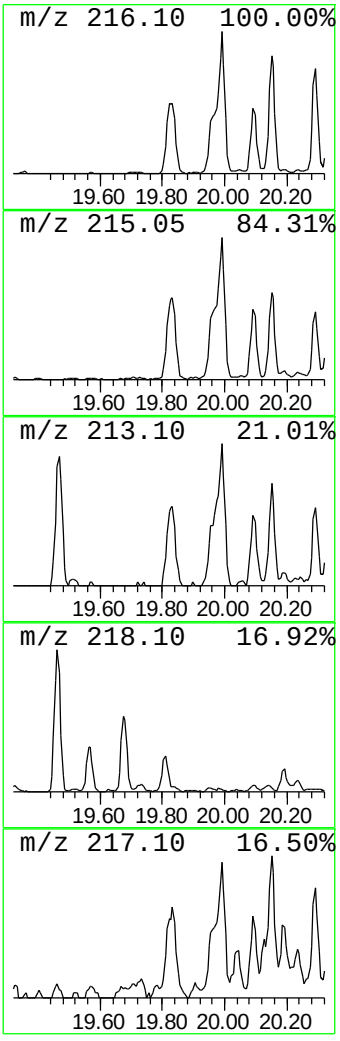
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.82	2.55 ng/ul	283259	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





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Instrument : BNA_M
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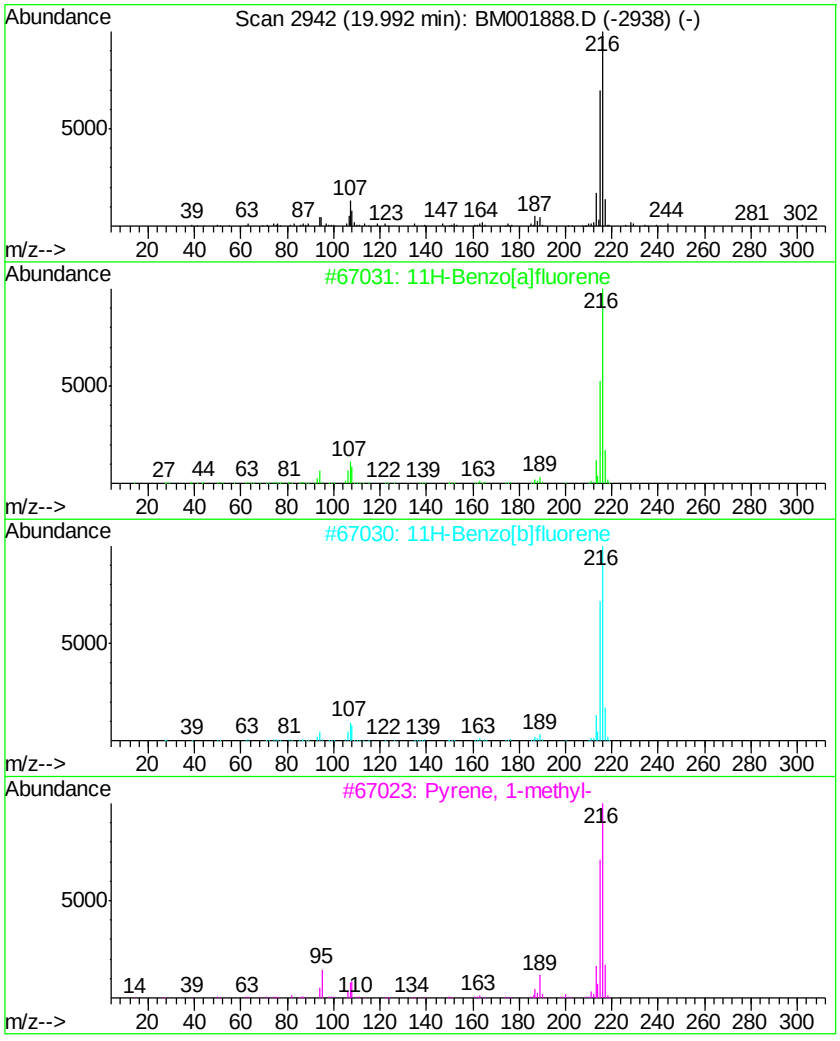
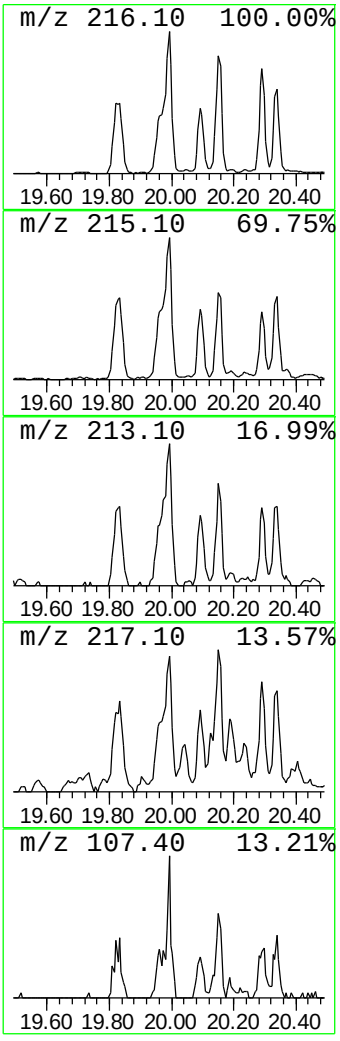
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	2.43 ng/ul	269370	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83





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Instrument : BNA_M
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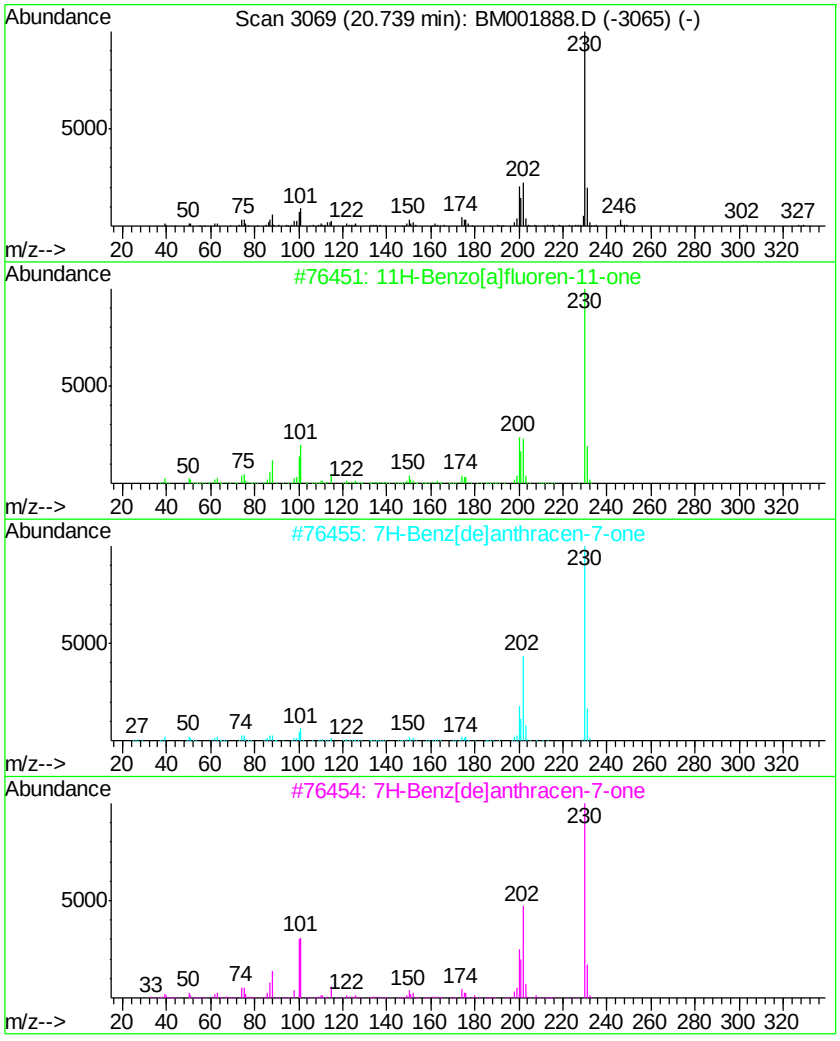
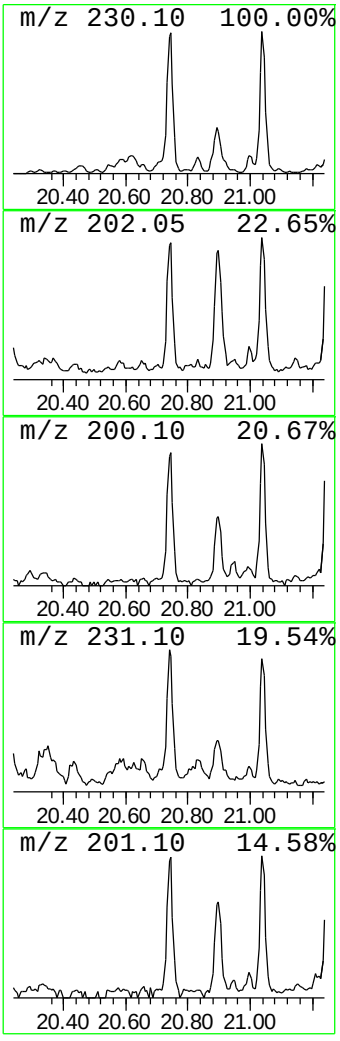
Peak Number 18 11H-Benzo[a]fluoren-11-one Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.74	2.22 ng/ul	246569	Chrysene-d12	21.26

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	89
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	72
5	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	72





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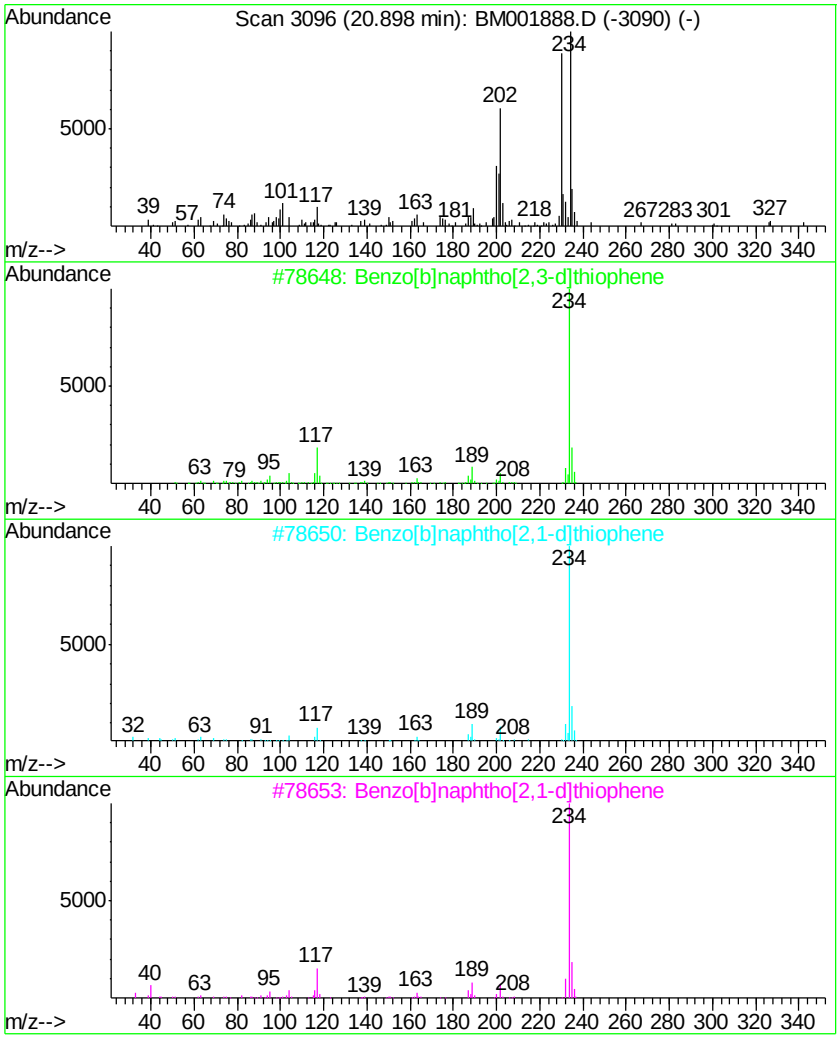
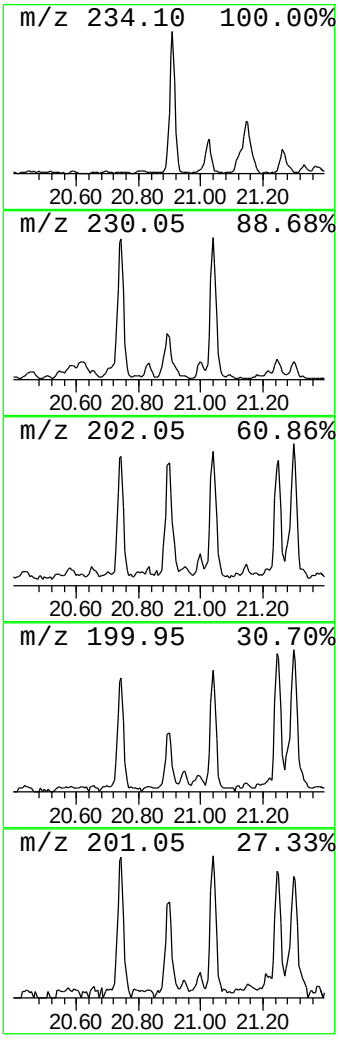
Peak Number 19 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.90	2.47 ng/ul	274514	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	70
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	64
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	62
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	62





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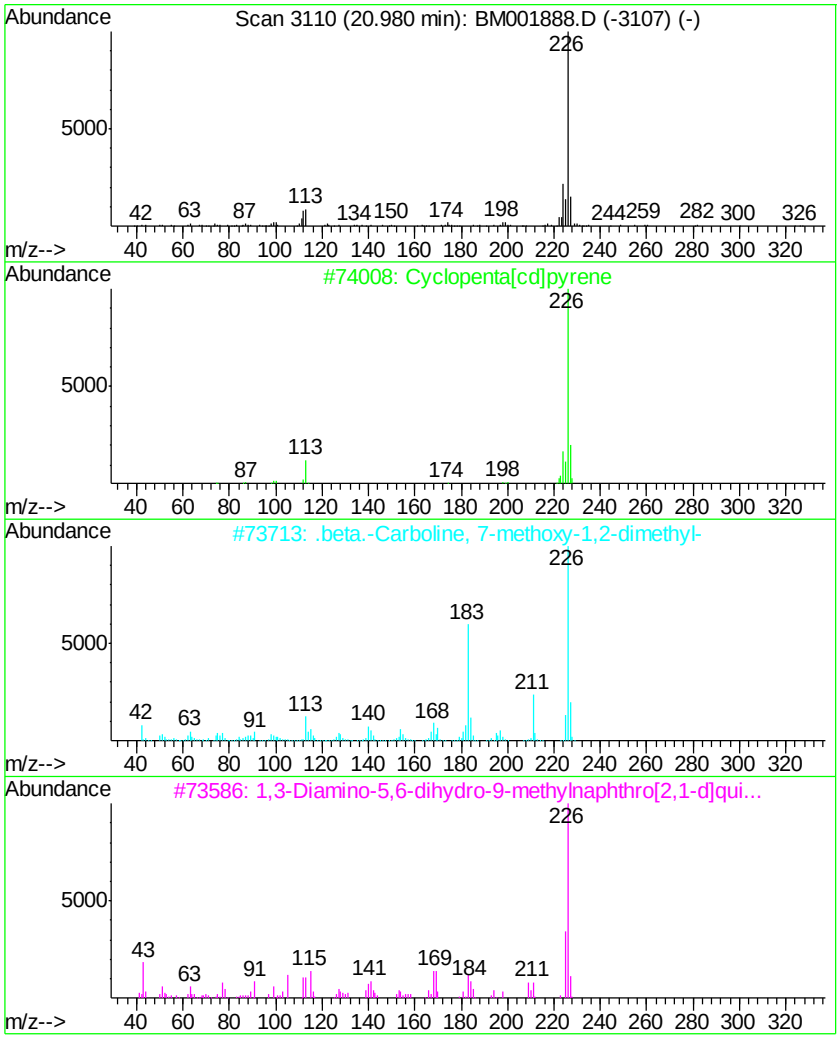
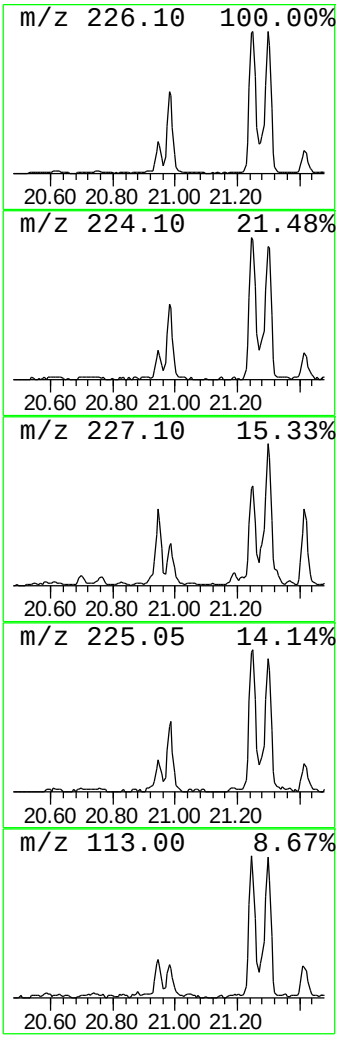
Peak Number 20 Cyclopenta[cd]pyrene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.98	2.20 ng/ul	244522	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	72
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	58
3	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	53
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	53
5	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	43





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070915\
Data File : BM001888.D
Acq On : 09 Jul 2015 18:38
Operator : TP/UM
Sample : G2860-04DL 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93H9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

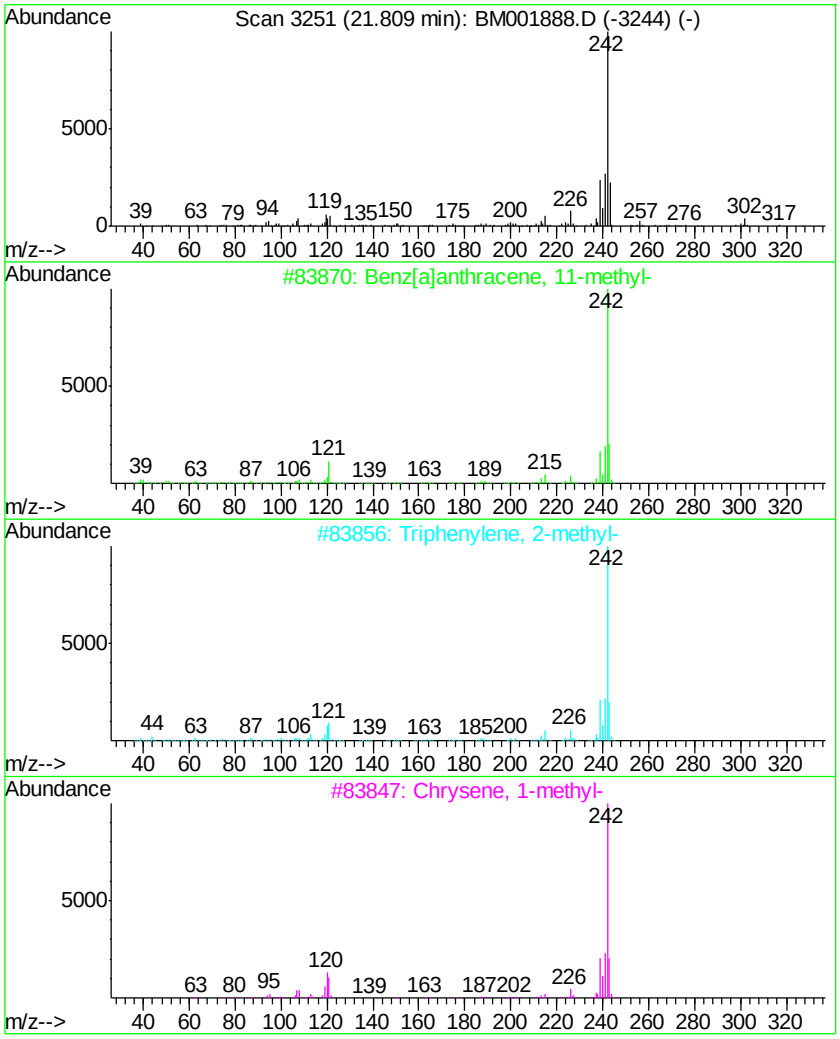
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

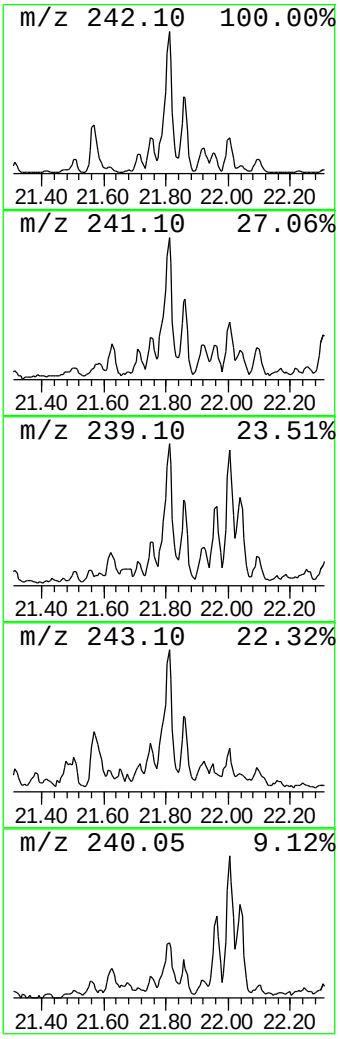
****

Peak Number 22 Benz[a]anthracene, 11-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.81	2.26 ng/ul	251032	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 11-methyl-	242	C19H14	006111-78-0	93
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	89
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	89





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Acq On : 09 Jul 2015 18:38
Operator : TP/UM
Sample : G2860-04DL 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93H9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

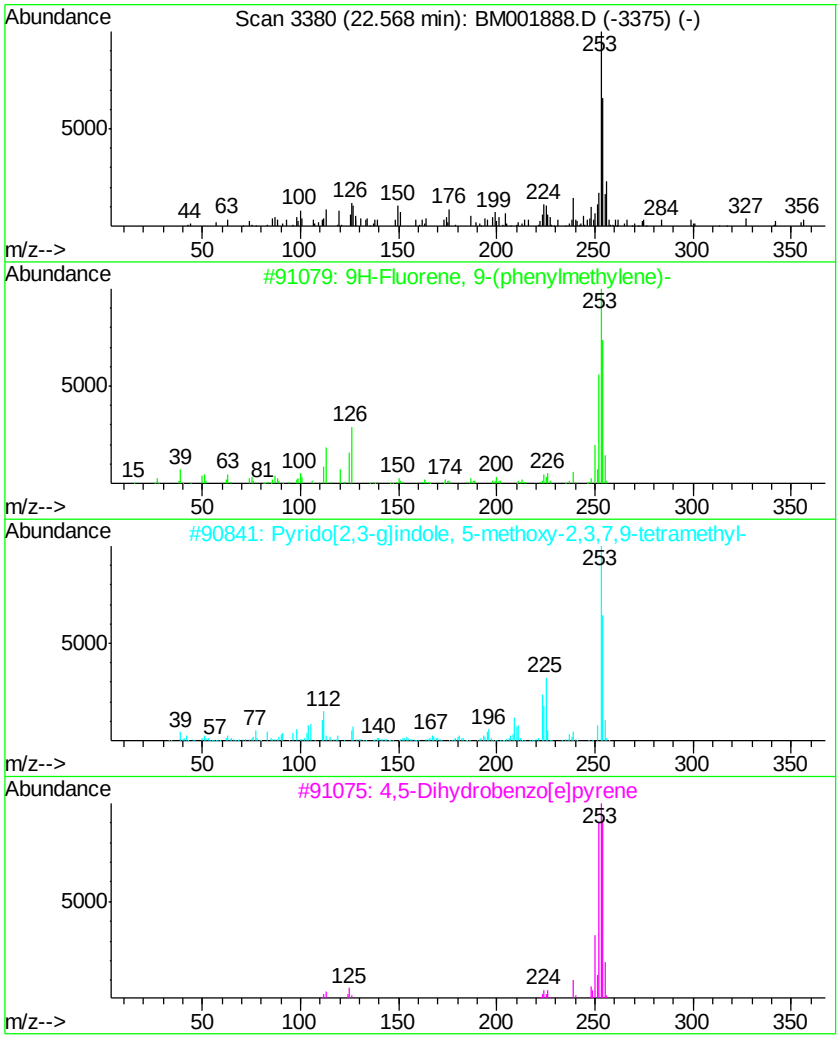
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

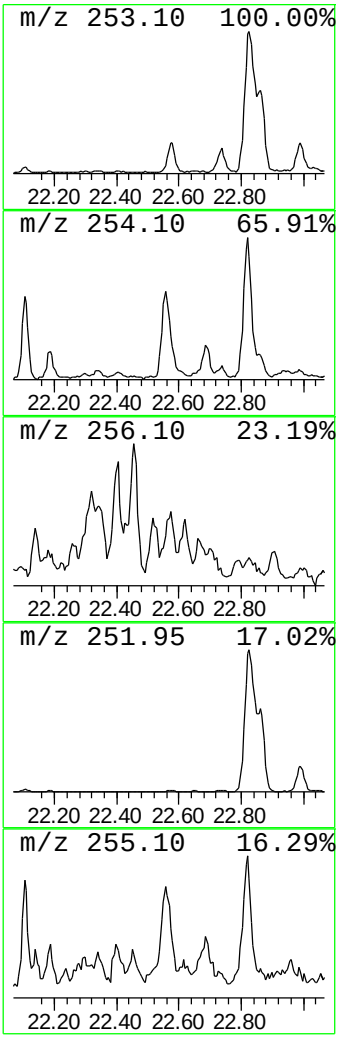
****

Peak Number 23 9H-Fluorene, 9-(phenylmethy... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.57	4.05 ng/ul	150600	Perylene-d12	23.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	76
2	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	58
3	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	58
4	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	52
5	1,1'-Binaphthalene	254	C20H14	000604-53-5	50





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Data File : BM001888.D
Acq On : 09 Jul 2015 18:38
Operator : TP/UM
Sample : G2860-04DL 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93H9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

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

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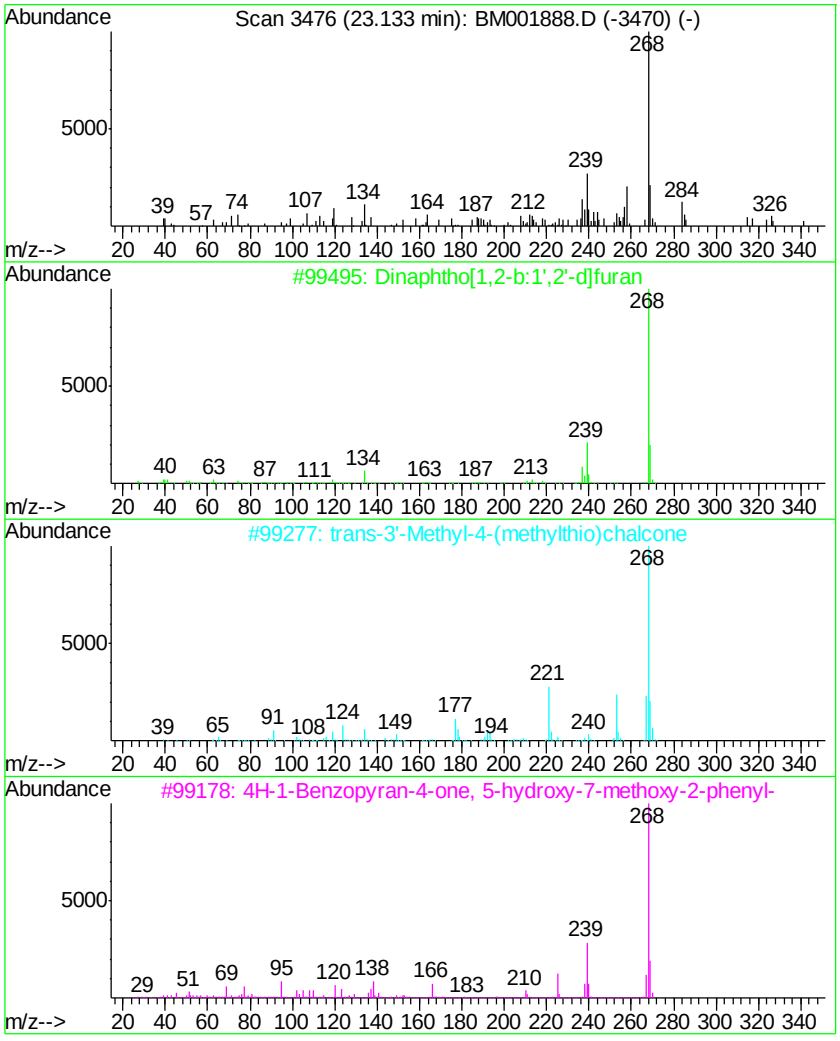
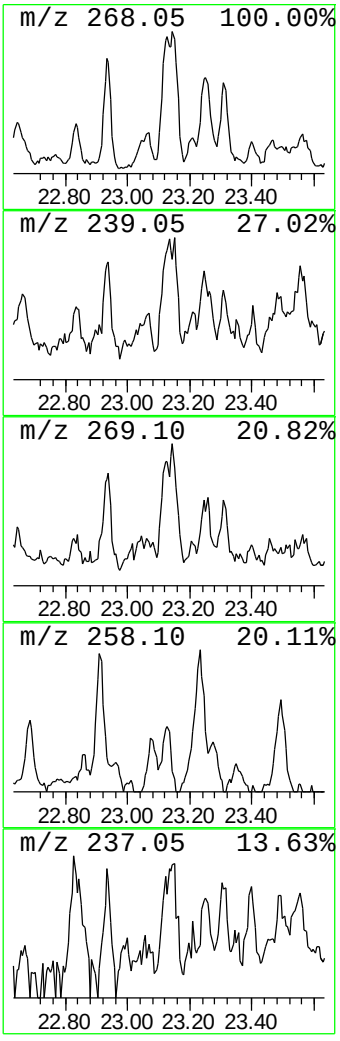
Peak Number 25 unknown-02 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.13	3.58 ng/ul	133048	Perylene-d12	23.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	49
2	trans-3'-Methyl-4-(methylthio)ch...	268	C17H16OS	131316-14-8	49
3	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	47
4	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	46
5	trans-4'-Methyl-4-(methylthio)ch...	268	C17H16OS	126443-27-4	46





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Data File : BM001888.D
Acq On : 09 Jul 2015 18:38
Operator : TP/UM
Sample : G2860-04DL 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93H9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

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

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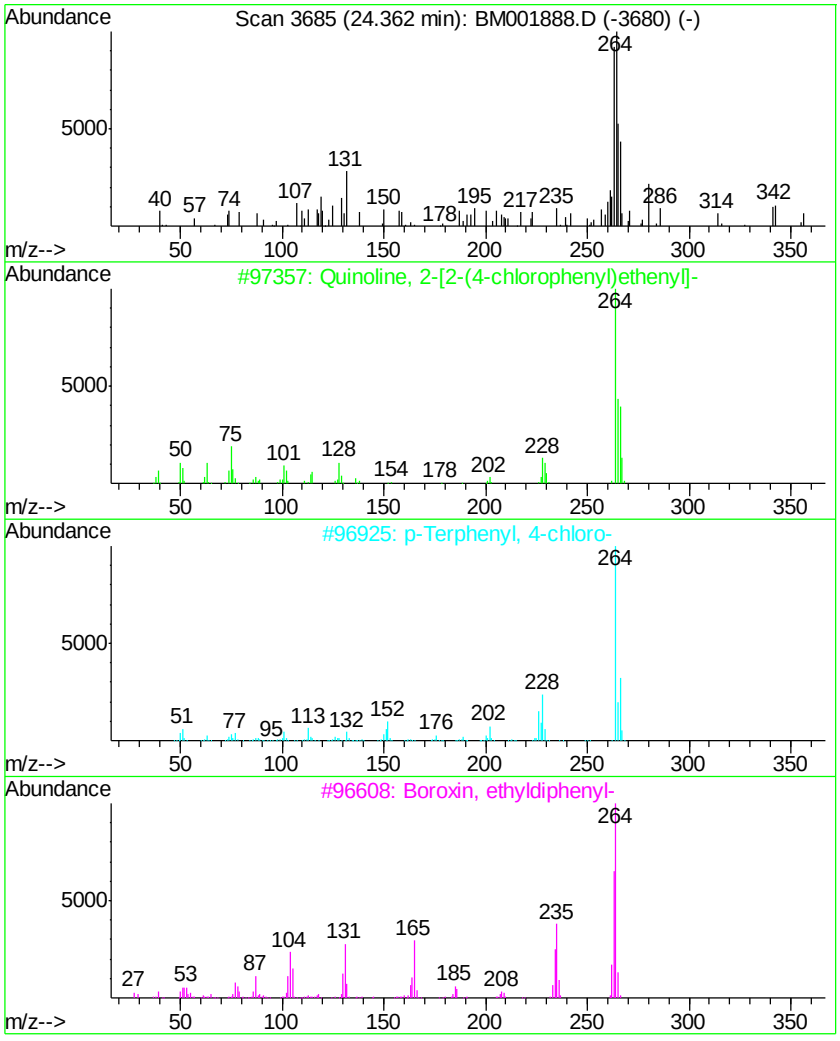
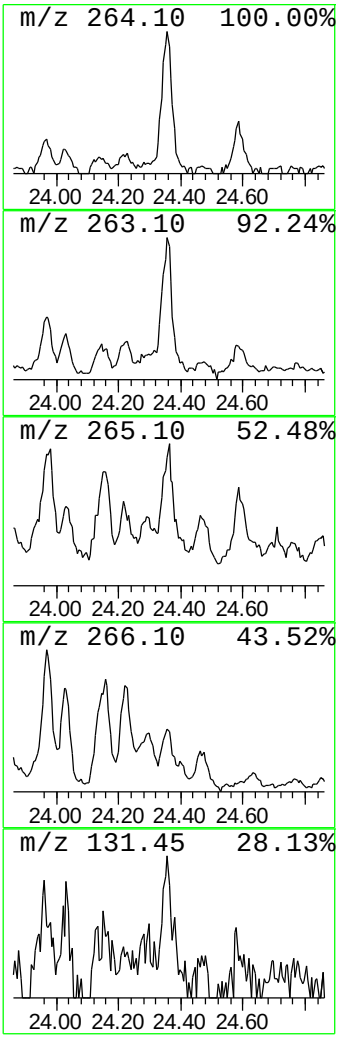
Peak Number 26 unknown-03 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.36	3.36 ng/ul	124938	Perylene-d12	23.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 2-[2-(4-chlorophenyl)...	265	C17H12ClN	005392-19-8	32
2	p-Terphenyl, 4-chloro-	264	C18H13Cl	001762-83-0	25
3	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	25
4	(Z)-9-Octadecenoic acid butyl ester	338	C22H42O2	000142-77-8	22
5	5H-Dibenz[b,f]azepine, 3,7-dichl...	263	C14H11Cl2N	013080-74-5	16





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Data File : BM001888.D
Acq On : 09 Jul 2015 18:38
Operator : TP/UM
Sample : G2860-04DL 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93H9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

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

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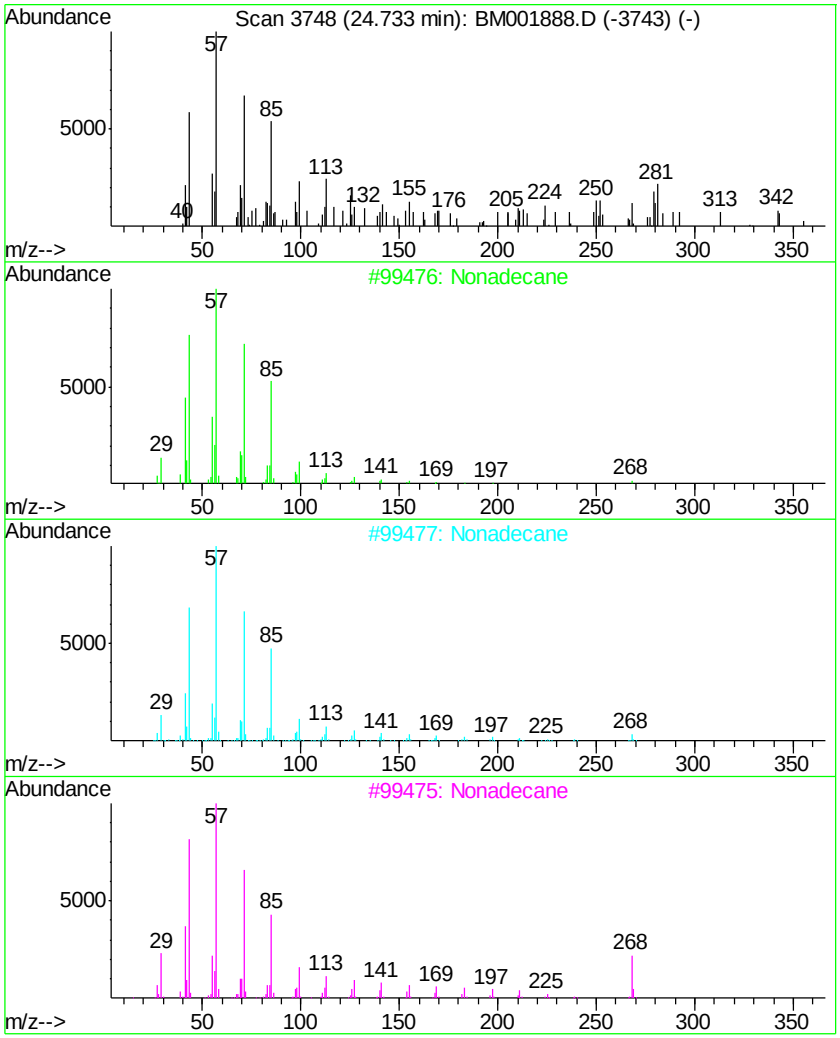
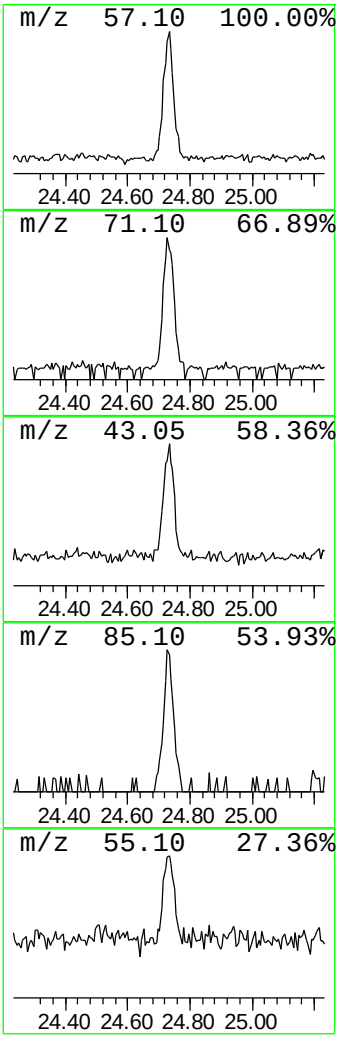
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.73	3.57 ng/ul	132638	Perylene-d12	23.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	78
2	Nonadecane	268	C19H40	000629-92-5	42
3	Nonadecane	268	C19H40	000629-92-5	42
4	Hexacosane	366	C26H54	000630-01-3	25
5	Tetracosane	338	C24H50	000646-31-1	25





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Data File : BM001888.D
Acq On : 09 Jul 2015 18:38
Operator : TP/UM
Sample : G2860-04DL 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93H9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

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

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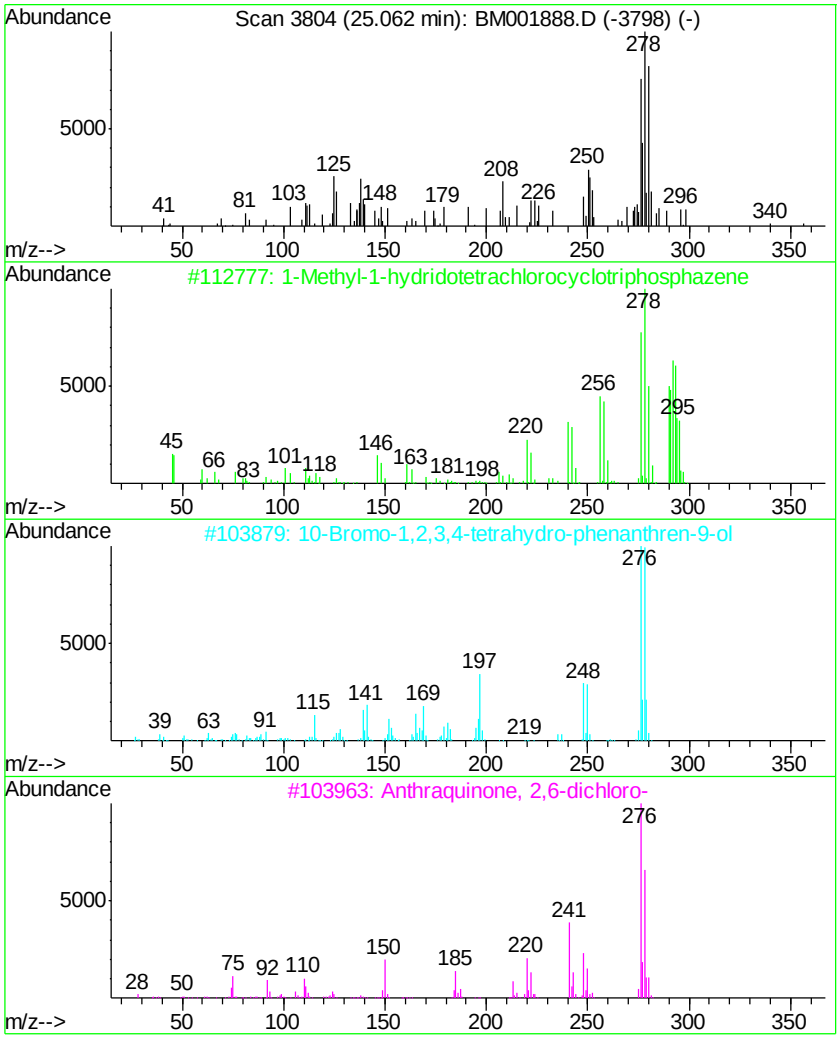
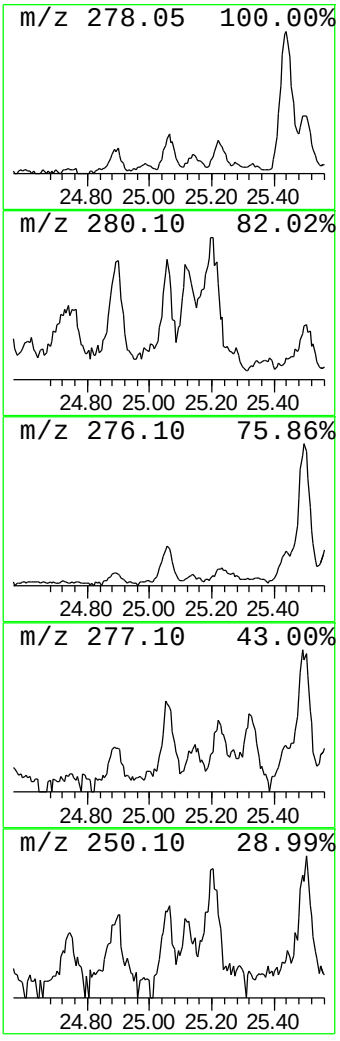
Peak Number 28 unknown-04 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.06	2.04 ng/ul	75981	Perylene-d12	23.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-1-hydridotetrachlorocyc...	291	CH4Cl4N3P3	068351-74-6	43
2	10-Bromo-1,2,3,4-tetrahydro-phen...	276	C14H13BrO	1000190-54-9	38
3	Anthraquinone, 2,6-dichloro-	276	C14H6Cl2O2	000605-40-3	27
4	Pyrrolidine, 1,5-dimethyl-3,3-di...	277	C20H23N	030223-73-5	22
5	Benzaldehyde, 4-hydroxy-3-iodo-5...	278	C8H7IO3	005438-36-8	22





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070915\
Data File : BM001888.D
Acq On : 09 Jul 2015 18:38
Operator : TP/UM
Sample : G2860-04DL 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93H9DL

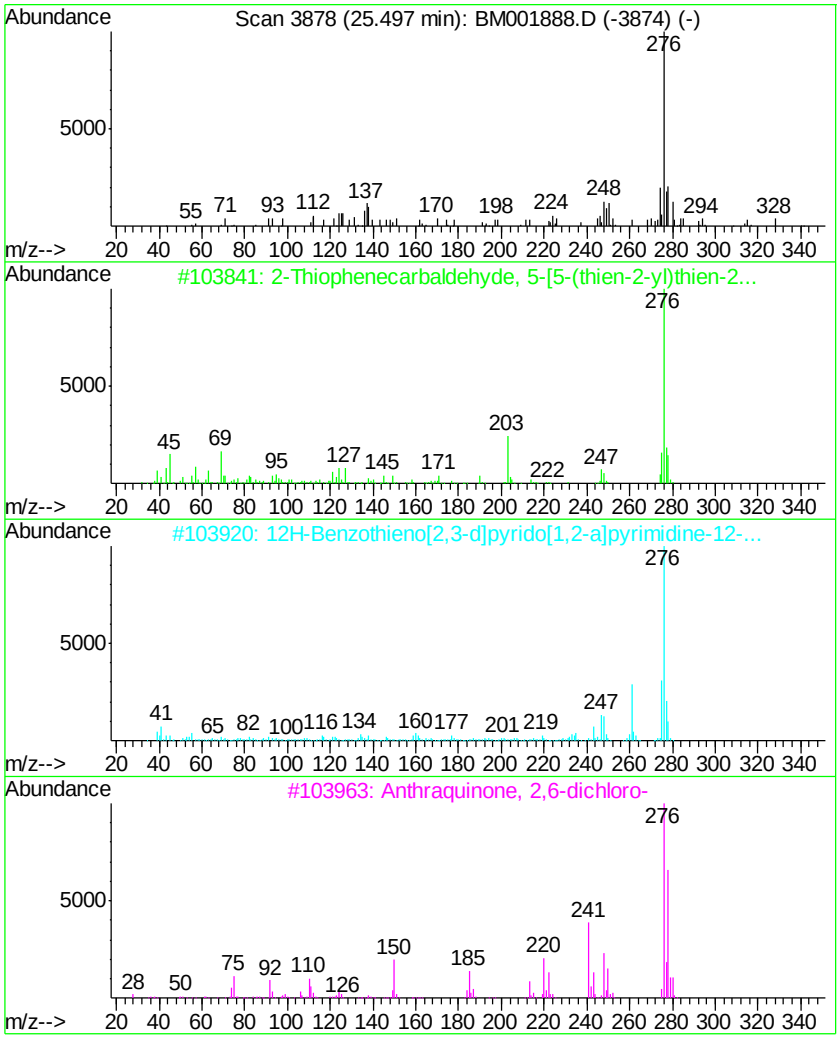
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

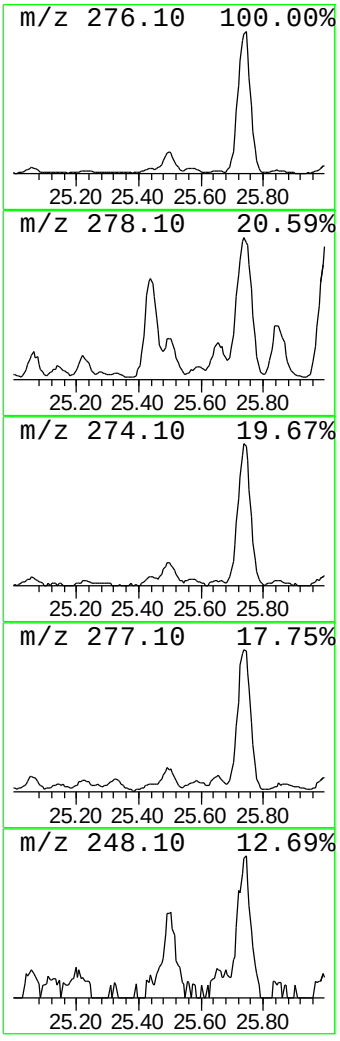
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 2-Thiophenecarbaldehyde, 5-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.50	3.43 ng/ul	127658	Perylene-d12	23.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Thiophenecarbaldehyde, 5-[5-(t...	276	C13H8OS3	1000217-28-5	59
2	12H-Benzothieno[2,3-d]pyrido[1,2...	276	C14H16N2S2	102254-63-7	53
3	Anthraquinone, 2,6-dichloro-	276	C14H6Cl2O2	000605-40-3	52
4	Dithiocarbonic acid, S-methyl es...	383	C20H33NO2S2	1000202-13-0	50
5	Benzo[ghi]perylene	276	C22H12	000191-24-2	49





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070915\
Data File : BM001888.D
Acq On : 09 Jul 2015 18:38
Operator : TP/UM
Sample : G2860-04DL 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93H9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
Quant Title : SVOA CALIBRATION

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

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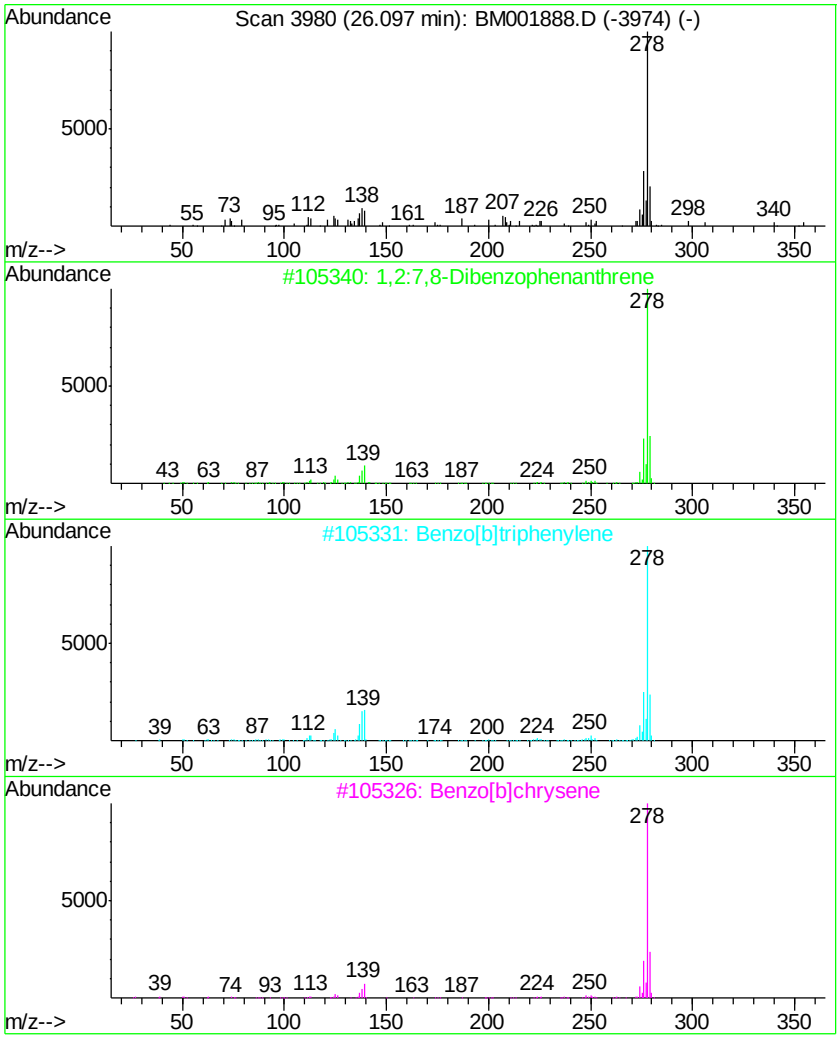
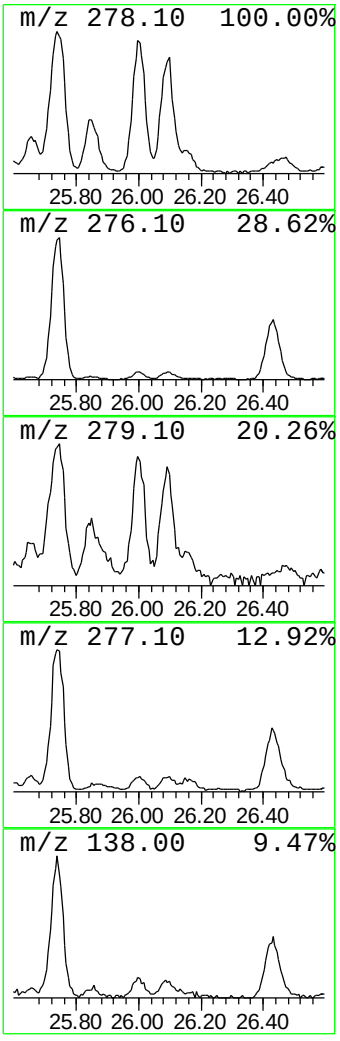
Peak Number 31 1,2:7,8-Dibenzophenanthrene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.10	2.07 ng/ul	76966	Perylene-d12	23.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	93
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	86
3	Benzo[b]chrysene	278	C22H14	000214-17-5	74
4	Benzo[a]naphthacene	278	C22H14	000226-88-0	70
5	Pentaphene	278	C22H14	000222-93-5	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070915\
Data File : BM001888.D
Acq On : 09 Jul 2015 18:38
Operator : TP/UM
Sample : G2860-04DL 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : G93H9DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.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
Butane, 2-methoxy...	2.88	95.2	ng/ul	951831	1	7.66	199906	20.0
9H-Fluoren-9-one	16.72	2.7	ng/ul	73370	4	17.07	546219	20.0
Dibenzothiophene	16.89	2.2	ng/ul	59291	4	17.07	546219	20.0
Phenanthrene, 1-m...	17.94	8.1	ng/ul	221425	4	17.07	546219	20.0
Phenanthrene, 2-m...	17.99	9.0	ng/ul	245876	4	17.07	546219	20.0
Anthracene, 2-met...	18.07	3.1	ng/ul	85540	4	17.07	546219	20.0
4H-Cyclopenta[def...	18.14	13.0	ng/ul	354711	4	17.07	546219	20.0
5,16[1',2']:8,13[...	18.44	6.0	ng/ul	165075	4	17.07	546219	20.0
9,10-Anthracenedione	18.49	5.1	ng/ul	138368	4	17.07	546219	20.0
9,10-Dimethylanth...	18.87	7.6	ng/ul	207516	4	17.07	546219	20.0
unknown-01	18.93	3.2	ng/ul	86259	4	17.07	546219	20.0
Cyclopenta(def)ph...	19.01	6.0	ng/ul	165209	4	17.07	546219	20.0
Pyrene, 1-methyl-	19.82	2.5	ng/ul	283259	5	21.26	2221130	20.0
11H-Benzo[a]fluorene	19.99	2.4	ng/ul	269370	5	21.26	2221130	20.0
11H-Benzo[a]fluor...	20.74	2.2	ng/ul	246569	5	21.26	2221130	20.0
Benzo[b]naphtho[2...	20.90	2.5	ng/ul	274514	5	21.26	2221130	20.0
Cyclopenta[cd]pyrene	20.98	2.2	ng/ul	244522	5	21.26	2221130	20.0
Benz[a]anthracene...	21.81	2.3	ng/ul	251032	5	21.26	2221130	20.0
9H-Fluorene, 9-(p...	22.57	4.0	ng/ul	150600	6	23.49	743344	20.0
unknown-02	23.13	3.6	ng/ul	133048	6	23.49	743344	20.0
unknown-03	24.36	3.4	ng/ul	124938	6	23.49	743344	20.0
(DEL) Alkane: Str...	24.73	3.6	ng/ul	132638	6	23.49	743344	20.0
unknown-04	25.06	2.0	ng/ul	75981	6	23.49	743344	20.0
2-Thiophenecarbal...	25.50	3.4	ng/ul	127658	6	23.49	743344	20.0
1,2:7,8-Dibenzoph...	26.10	2.1	ng/ul	76966	6	23.49	743344	20.0