LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005262.D
Acq On : 06 May 2016 09:47
Operator : UM/SJ
Sample : H2729-02MEDL 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D0MEDL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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-BM050516.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	6.945	718	724	734	rBV	79880	131969	2.37%	0.194%
2	7.304	780	785	795	rBV	79632	129329	2.32%	0.190%
3	7.775	857	865	873	rBV	331966	555078	9.96%	0.815%
4	8.475	979	984	994	rBV	100077	166713	2.99%	0.245%
5	8.928	1055	1061	1077	rVB	75909	131363	2.36%	0.193%
6	10.186	1269	1275	1289	rBV	107640	181188	3.25%	0.266%
7	10.557	1331	1338	1344	rBV	546729	959389	17.22%	1.409%
8	10.610	1344	1347	1355	rVB	107077	163850	2.94%	0.241%
9	10.704	1357	1363	1376	rBV2	55108	109495	1.97%	0.161%
10	13.822	1888	1893	1898	rVB	232799	328211	5.89%	0.482%
11	14.104	1935	1941	1944	rBV	274124	427393	7.67%	0.628%
12	14.133	1944	1946	1954	rVB	164743	204873	3.68%	0.301%
13	14.416	1985	1994	2000	rBV2	904250	1455203	26.12%	2.137%
14	14.474	2000	2004	2013	rVB	134403	205906	3.70%	0.302%
15	14.810	2056	2061	2068	rBV	188238	280843	5.04%	0.412%
16	15.404	2153	2162	2167	rBV	385684	571580	10.26%	0.839%
17	15.463	2167	2172	2181	rVB	292613	437140	7.85%	0.642%
18	15.539	2181	2185	2190	rBV2	78395	129731	2.33%	0.191%
19	15.757	2217	2222	2228	rVB	100746	142957	2.57%	0.210%
20	15.904	2238	2247	2256	rBV	115791	229324	4.12%	0.337%
21	16.468	2332	2343	2348	rBV2	81137	174125	3.13%	0.256%
22	16.692	2373	2381	2385	rBV4	59983	108058	1.94%	0.159%
23	16.980	2425	2430	2439	rVB	172547	261939	4.70%	0.385%
24	17.162	2455	2461	2464	rBV	1213321	1832517	32.90%	2.691%
25	17.210	2464	2469	2474	rVV	2649772	4055103	72.80%	5.955%
26	17.262	2474	2478	2480	rVV	487294	689204	12.37%	1.012%
27	17.292	2480	2483	2489	rVV	765789	1116700	20.05%	1.640%
28	17.539	2519	2525	2526	rBV3	92269	108268	1.94%	0.159%
29	17.568	2526	2530	2542	rVV	218272	407755	7.32%	0.599%
30	17.680	2545	2549	2555	rVV2	82438	122295	2.20%	0.180%
31	18.033	2600	2609	2614	rBV	349500	582719	10.46%	0.856%
32	18.086	2614	2618	2624	rVB	505001	710974	12.76%	1.044%
33	18.162	2624	2631	2637	rBV	210402	316759	5.69%	0.465%
34	18.233	2637	2643	2647	rVV3	579706	1067289	19.16%	1.567%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005262.D
Acq On : 06 May 2016 09:47
Operator : UM/SJ
Sample : H2729-02MEDL 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D0MEDL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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-BM050516.M
Title : SVOA CALIBRATION

35	18.268	2647	2649	2657	rVB	254318	308054	5.53%	0.452%
36	18.539	2690	2695	2699	rVV	336056	438512	7.87%	0.644%
37	18.586	2699	2703	2708	rVV	148461	202017	3.63%	0.297%
38	18.786	2729	2737	2741	rBV2	95278	144918	2.60%	0.213%
39	18.833	2741	2745	2749	rVV	80032	113981	2.05%	0.167%
40	18.956	2756	2766	2772	rBV	197823	428106	7.69%	0.629%
41	19.027	2772	2778	2780	rVV3	128357	257003	4.61%	0.377%
42	19.051	2780	2782	2786	rVV	94712	111471	2.00%	0.164%
43	19.104	2786	2791	2799	rVB3	152884	304436	5.47%	0.447%
44	19.227	2805	2812	2818	rBV	3462378	5539991	99.45%	8.136%
45	19.321	2825	2828	2833	rVB	110778	152347	2.73%	0.224%
46	19.374	2833	2837	2841	rBV	119896	159258	2.86%	0.234%
47	19.474	2847	2854	2863	rVB3	206755	473320	8.50%	0.695%
48	19.562	2863	2869	2870	rBV3	1218659	1671620	30.01%	2.455%
49	19.592	2870	2874	2881	rVB	3100293	5025506	90.22%	7.380%
50	19.656	2881	2885	2892	rVB2	213146	350250	6.29%	0.514%
51	19.768	2892	2904	2910	rBV	278028	496469	8.91%	0.729%
52	19.833	2910	2915	2922	rVB	207110	318599	5.72%	0.468%
53	19.909	2922	2928	2935	rBV3	254295	661800	11.88%	0.972%
54	20.051	2946	2952	2954	rBV3	181302	341657	6.13%	0.502%
55	20.086	2954	2958	2963	rVB	464871	695637	12.49%	1.022%
56	20.186	2970	2975	2979	rBV	293678	399557	7.17%	0.587%
57	20.245	2979	2985	2989	rVV2	340963	573342	10.29%	0.842%
58	20.386	3004	3009	3012	rBV	203624	273456	4.91%	0.402%
59	20.427	3012	3016	3021	rVB2	203322	272800	4.90%	0.401%
60	20.533	3030	3034	3040	rVB4	90572	179035	3.21%	0.263%
61	20.674	3055	3058	3061	rVV4	71951	117876	2.12%	0.173%
62	20.709	3061	3064	3068	rVV3	63715	120218	2.16%	0.177%
63	20.839	3081	3086	3092	rVB	269819	396548	7.12%	0.582%
64	21.003	3106	3114	3117	rBV3	279160	520985	9.35%	0.765%
65	21.039	3117	3120	3124	rVV	387667	588228	10.56%	0.864%
66	21.080	3124	3127	3132	rVV2	359662	643281	11.55%	0.945%
67	21.133	3132	3136	3147	rVB2	302121	515767	9.26%	0.757%
68	21.239	3147	3154	3163	rBV2	109014	388009	6.97%	0.570%
69	21.350	3163	3173	3178	rVV3	2436047	5570512	100.00%	8.181%
70	21.397	3178	3181	3190	rVV	1811664	2461650	44.19%	3.615%
71	21.515	3196	3201	3206	rVV	378055	560485	10.06%	0.823%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005262.D
Acq On : 06 May 2016 09:47
Operator : UM/SJ
Sample : H2729-02MEDL 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D0MEDL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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-BM050516.M
Title : SVOA CALIBRATION

72	21.568	3207	3210	3213	rVV4	86209	146785	2.64%	0.216%
73	21.621	3217	3219	3223	rVV	128993	159113	2.86%	0.234%
74	21.674	3223	3228	3232	rVV3	251058	400253	7.19%	0.588%
75	21.715	3232	3235	3240	rVB3	95427	138153	2.48%	0.203%
76	21.909	3262	3268	3274	rVV	308405	538392	9.67%	0.791%
77	21.962	3274	3277	3284	rVB	176785	245696	4.41%	0.361%
78	22.033	3284	3289	3292	rBV2	107125	168679	3.03%	0.248%
79	22.115	3299	3303	3305	rBV	157699	226621	4.07%	0.333%
80	22.209	3314	3319	3329	rVV4	143961	270533	4.86%	0.397%
81	22.403	3347	3352	3357	rBV5	116310	231176	4.15%	0.340%
82	22.692	3395	3401	3410	rBV3	130306	306515	5.50%	0.450%
83	22.956	3435	3446	3450	rBV	1224242	3108379	55.80%	4.565%
84	23.121	3469	3474	3480	rVB	244439	414866	7.45%	0.609%
85	23.256	3492	3497	3500	rBV3	96636	191217	3.43%	0.281%
86	23.439	3521	3528	3533	rBV	732402	1497266	26.88%	2.199%
87	23.486	3533	3536	3540	rVV2	396294	720771	12.94%	1.059%
88	23.539	3540	3545	3552	rVB	1169789	2200275	39.50%	3.231%
89	23.633	3554	3561	3566	rVV	997022	2052879	36.85%	3.015%
90	23.680	3566	3569	3578	rVB	369872	735527	13.20%	1.080%
91	24.138	3641	3647	3651	rVB3	75043	149706	2.69%	0.220%
92	24.509	3705	3710	3724	rVB2	71778	216631	3.89%	0.318%
93	24.891	3770	3775	3790	rVB4	76188	200702	3.60%	0.295%
94	25.680	3905	3909	3917	rVB	60558	132900	2.39%	0.195%
95	25.768	3920	3924	3931	rVB4	53093	109303	1.96%	0.161%
96	25.927	3941	3951	3962	rVB	498386	1451793	26.06%	2.132%
97	26.191	3989	3996	4003	rVB2	79732	206798	3.71%	0.304%
98	26.280	4005	4011	4019	rBV2	59614	171955	3.09%	0.253%
99	26.632	4060	4071	4089	rVB	324102	1095641	19.67%	1.609%
100	27.003	4126	4134	4151	rVB3	88056	332599	5.97%	0.488%

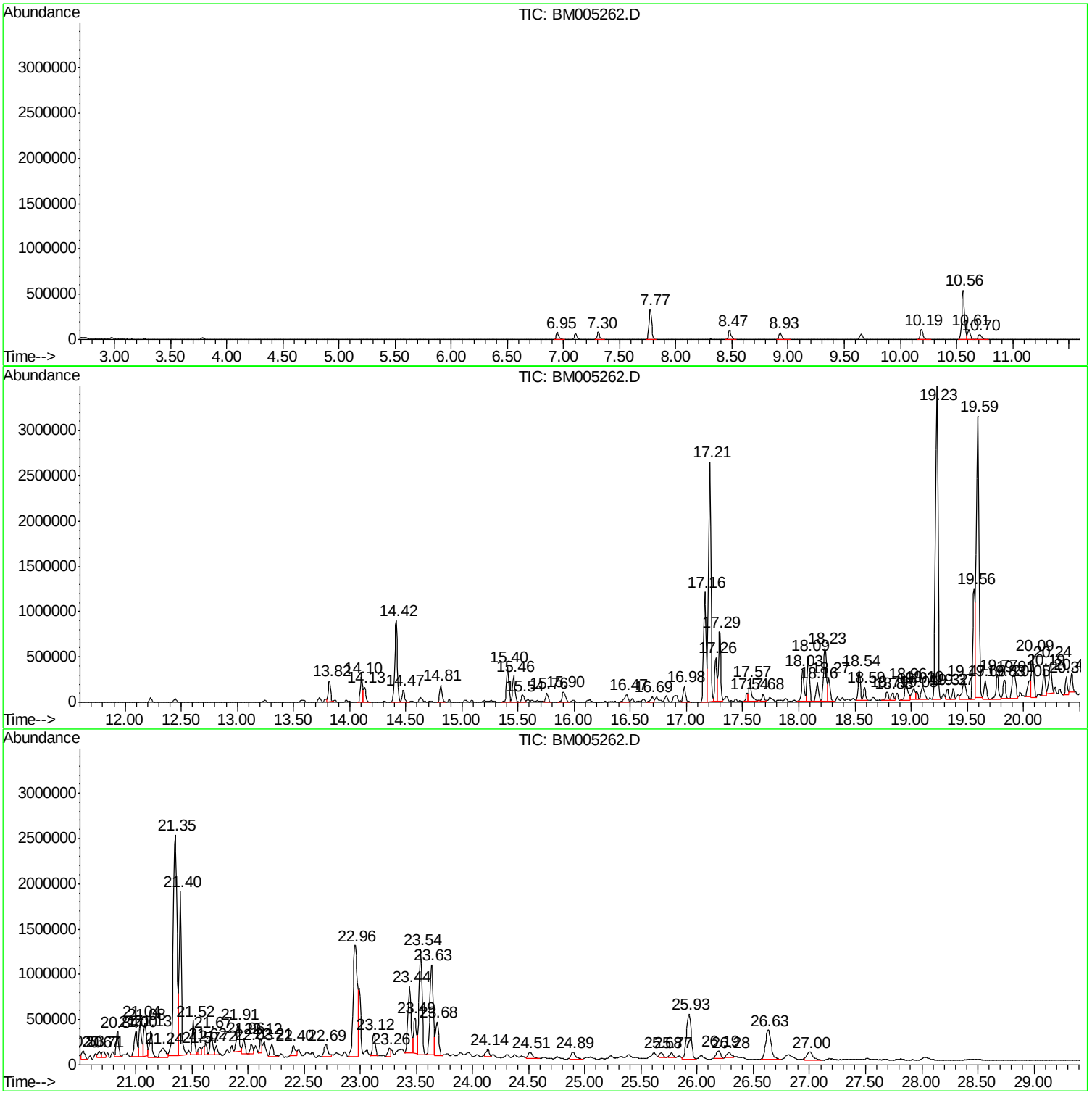
Sum of corrected areas: 68093065

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005262.D
Acq On : 06 May 2016 09:47
Operator : UM/SJ
Sample : H2729-02MEDL 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BD3D0MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005262.D
Acq On : 06 May 2016 09:47
Operator : UM/SJ
Sample : H2729-02MEDL 2X
Misc :
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Instrument : BNA_M
ClientSampleId : BD3D0MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

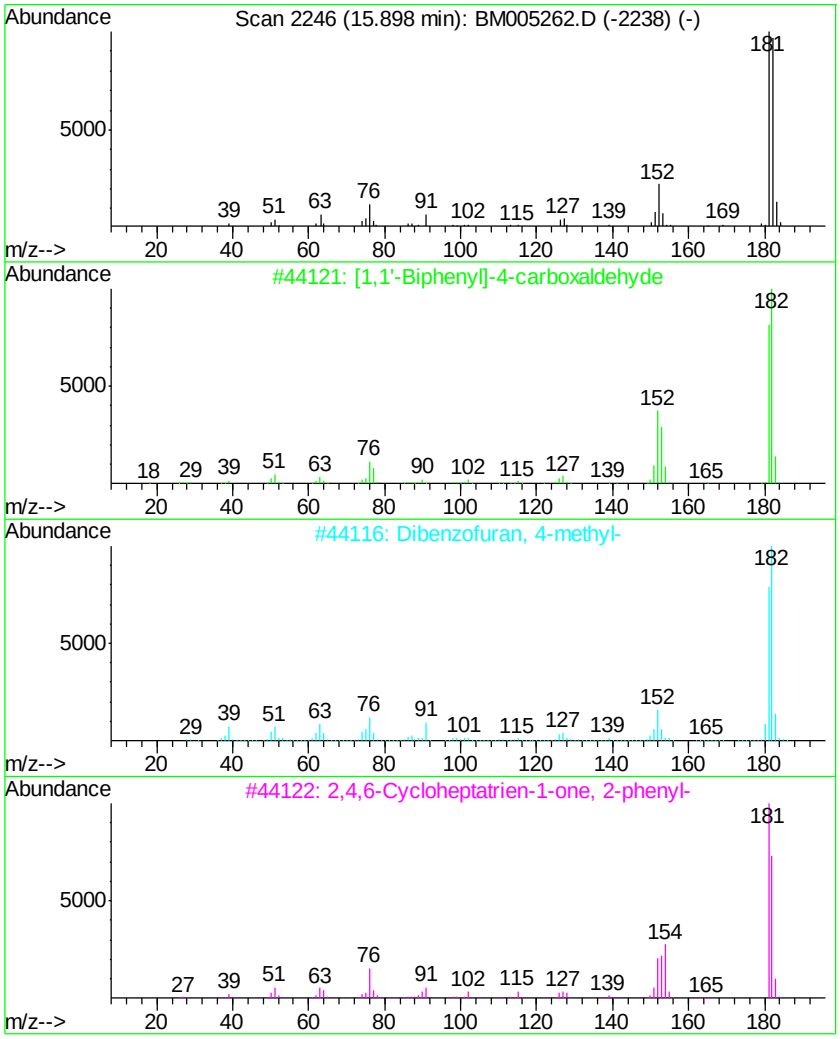
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

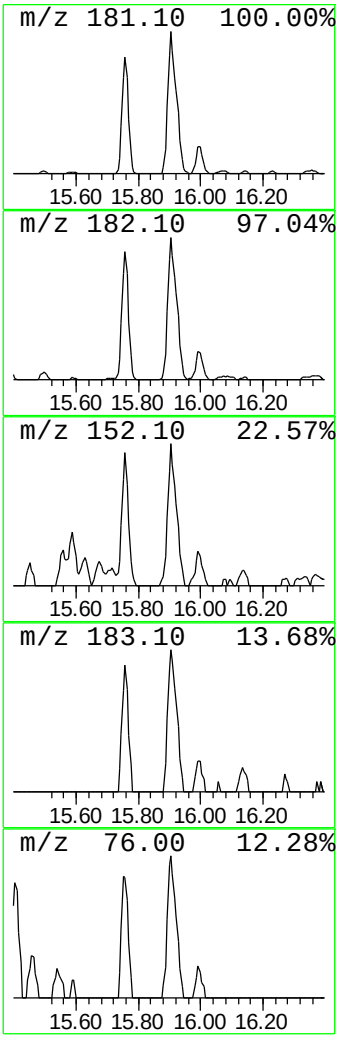
****

Peak Number 1 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	2.50 ng/ul	229324	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005262.D
Acq On : 06 May 2016 09:47
Operator : UM/SJ
Sample : H2729-02MEDL 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D0MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

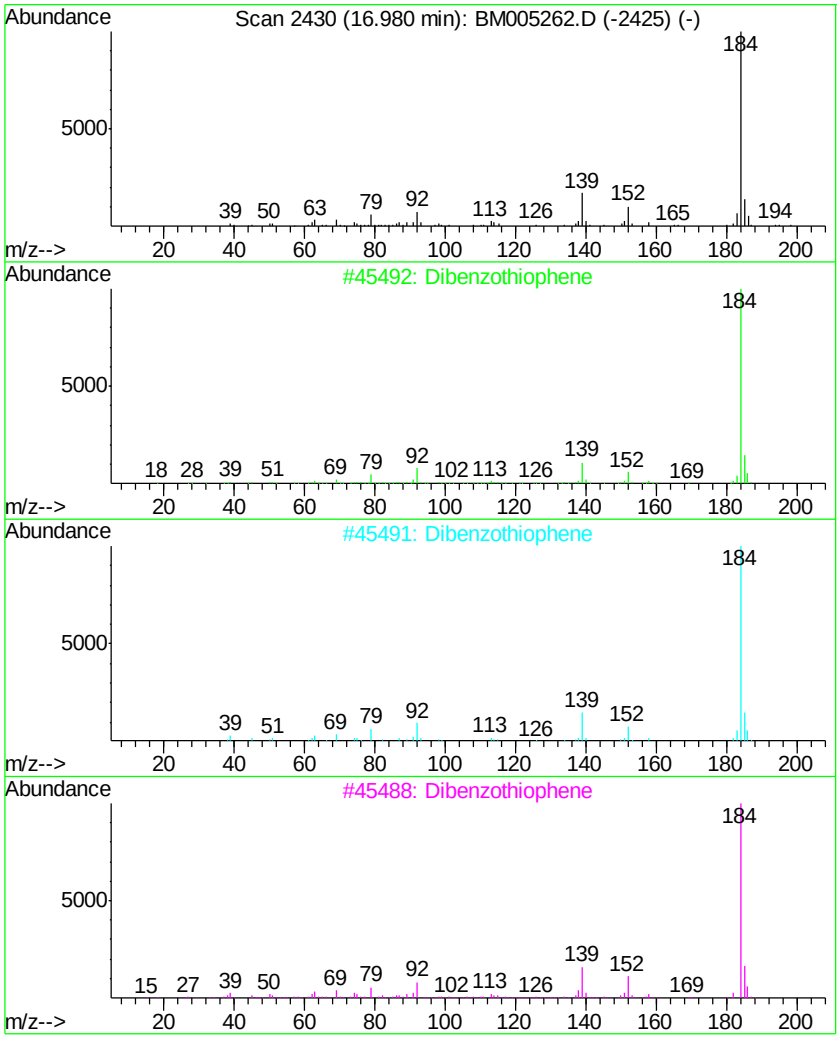
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

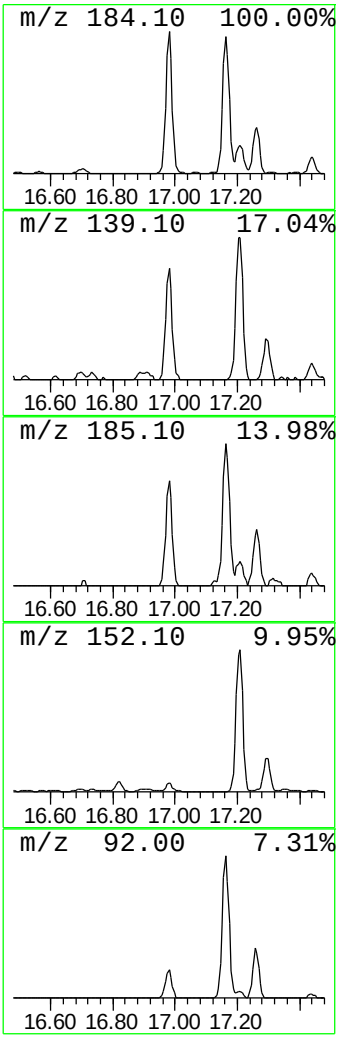
****

Peak Number 2 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.98	2.86 ng/ul	261939	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	93
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005262.D
Acq On : 06 May 2016 09:47
Operator : UM/SJ
Sample : H2729-02MEDL 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D0MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

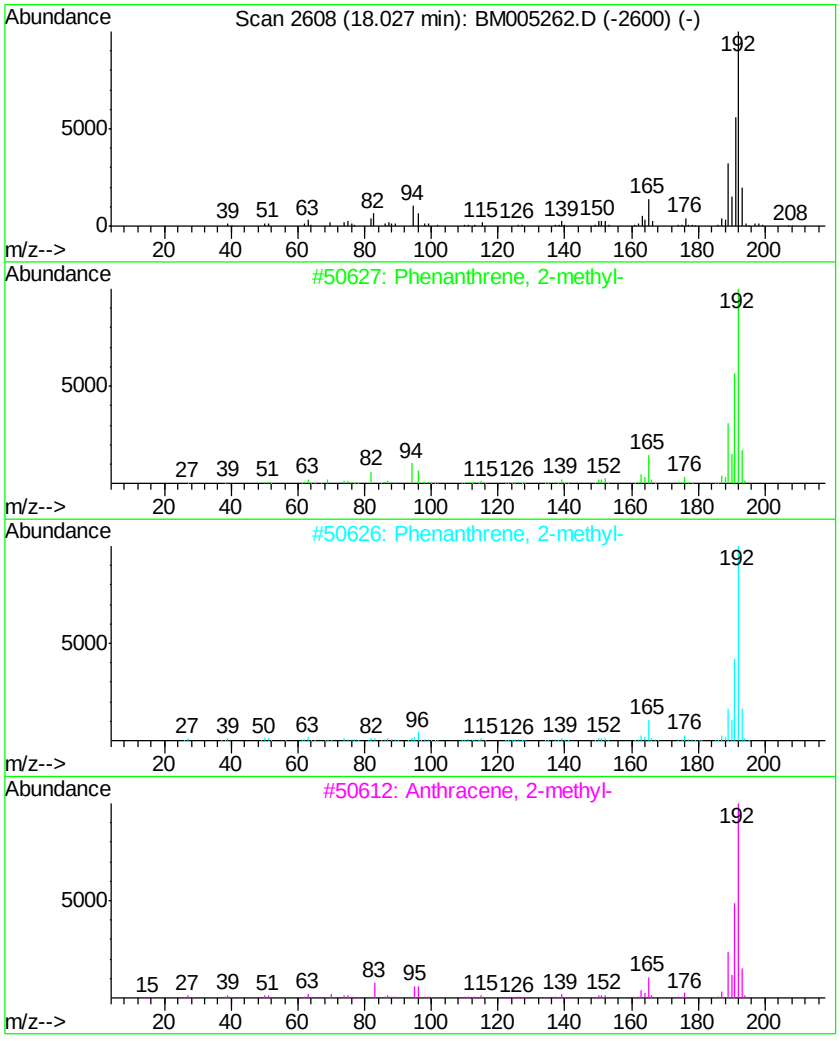
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

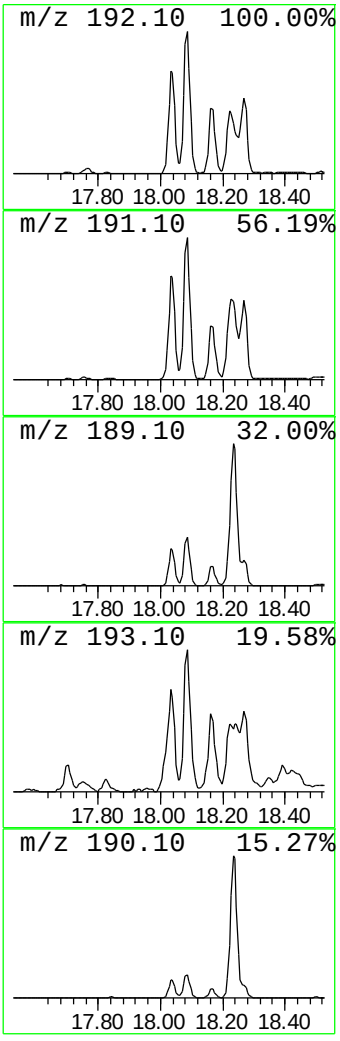
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	6.36 ng/ul	582719	Phenanthrene-d10	17.16

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





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005262.D
Acq On : 06 May 2016 09:47
Operator : UM/SJ
Sample : H2729-02MEDL 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D0MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

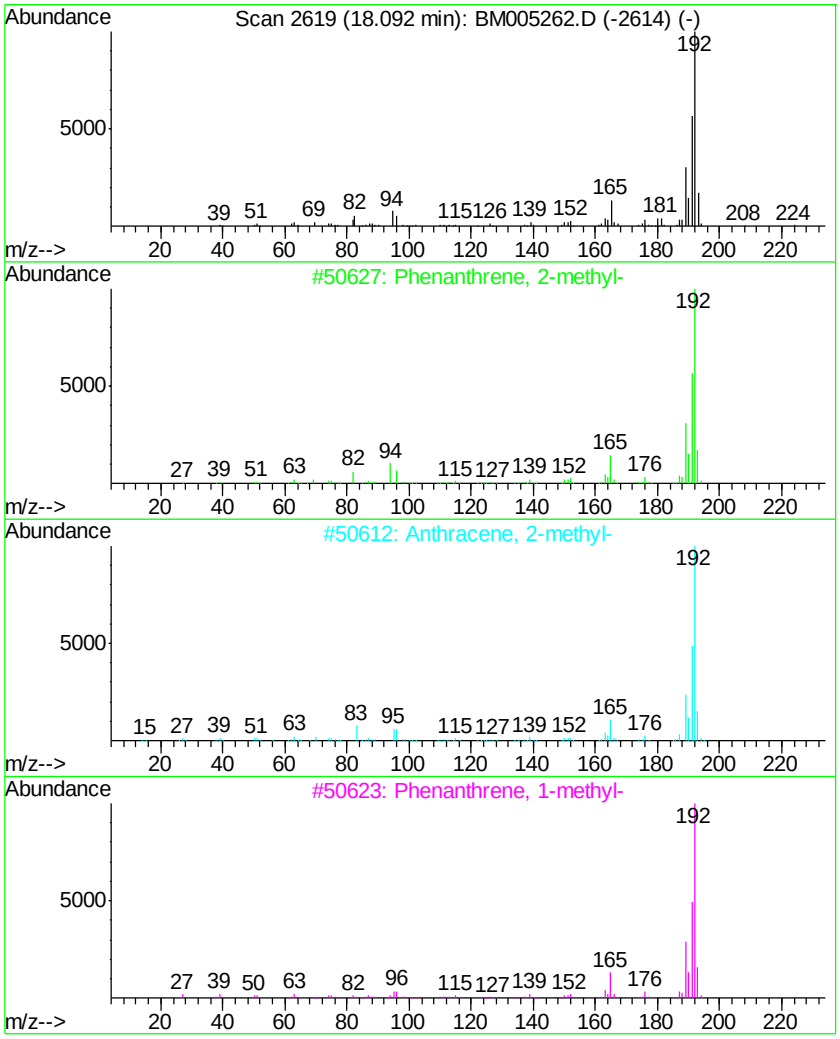
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

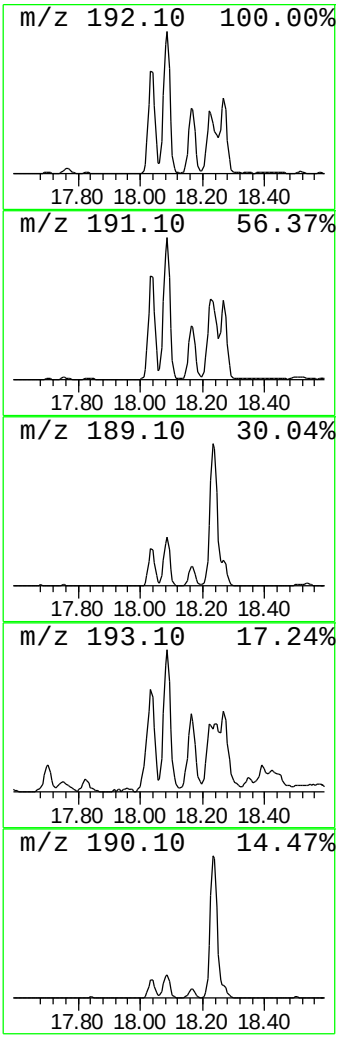
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	7.76 ng/ul	710974	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005262.D
Acq On : 06 May 2016 09:47
Operator : UM/SJ
Sample : H2729-02MEDL 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D0MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

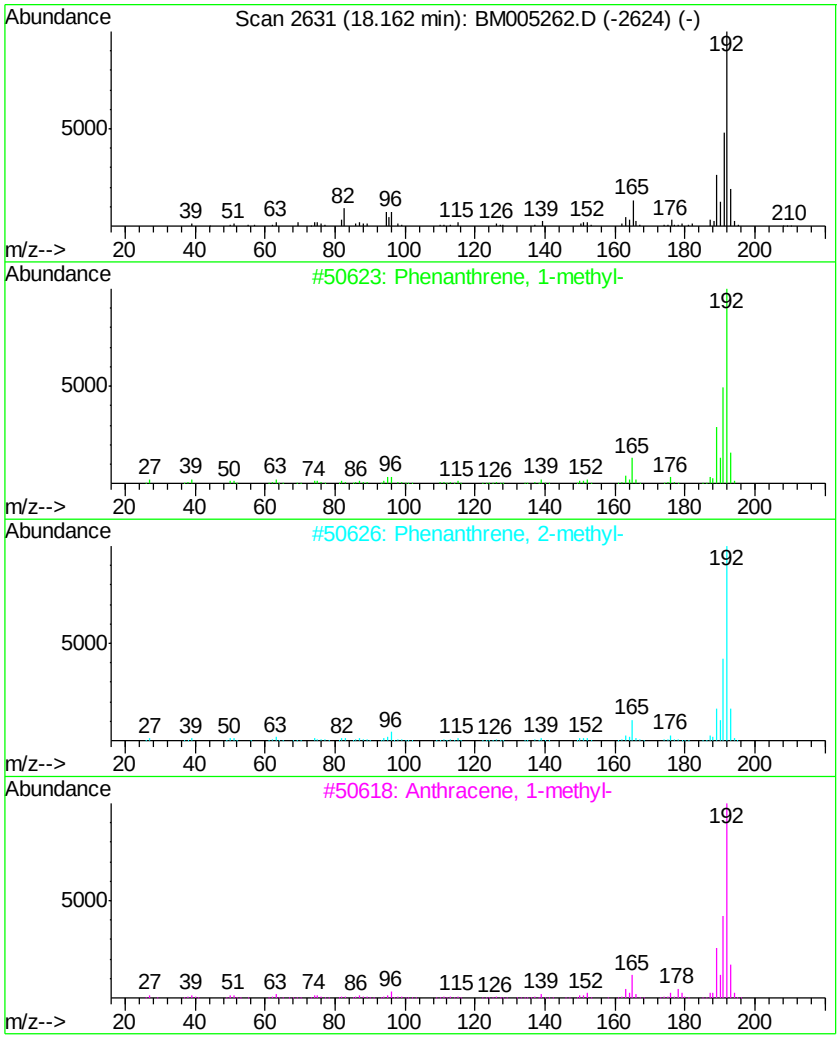
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

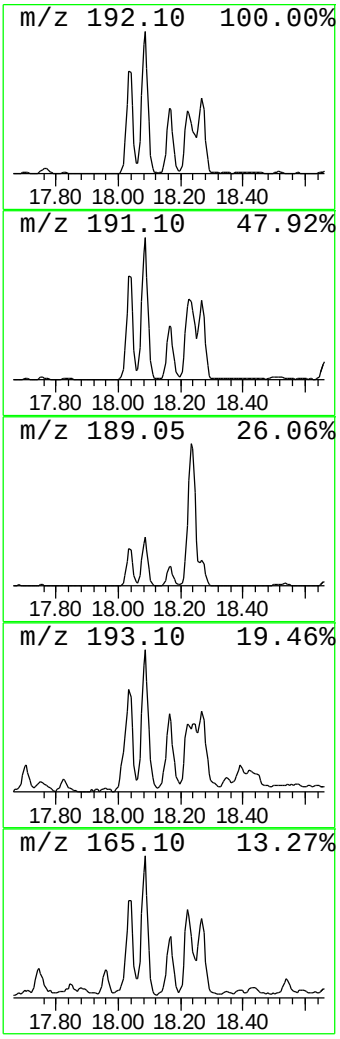
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	3.46 ng/ul	316759	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96





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Acq On : 06 May 2016 09:47
Operator : UM/SJ
Sample : H2729-02MEDL 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D0MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

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

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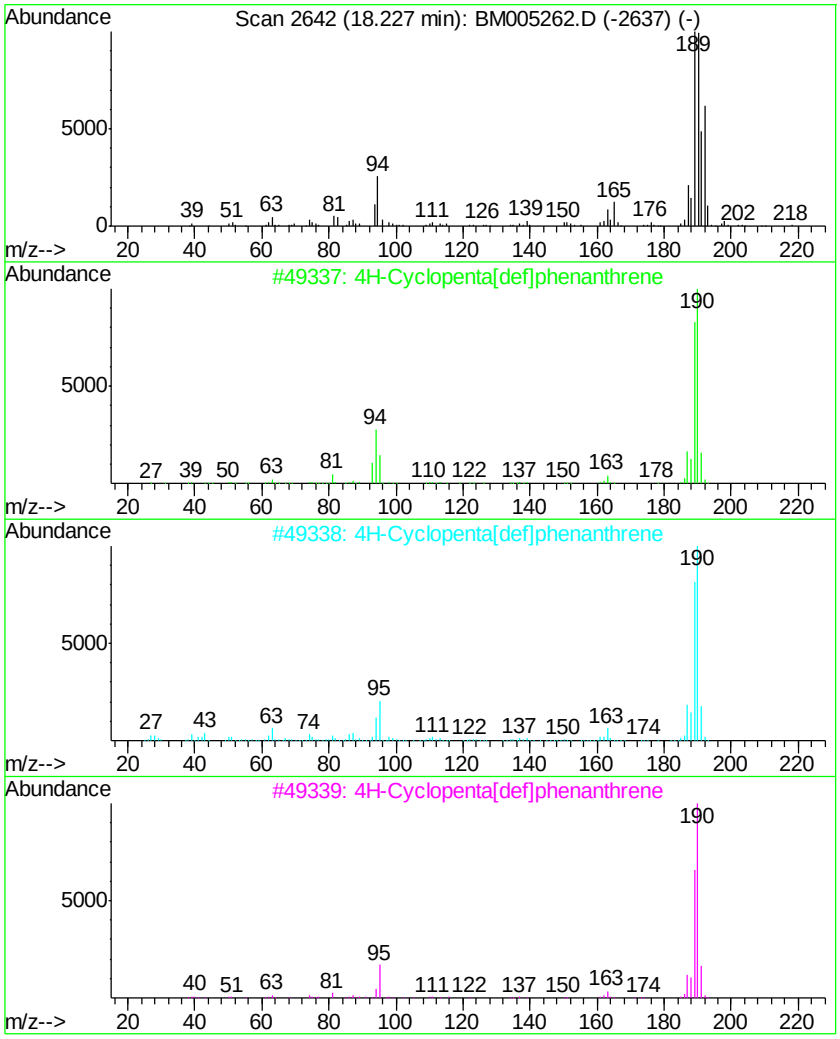
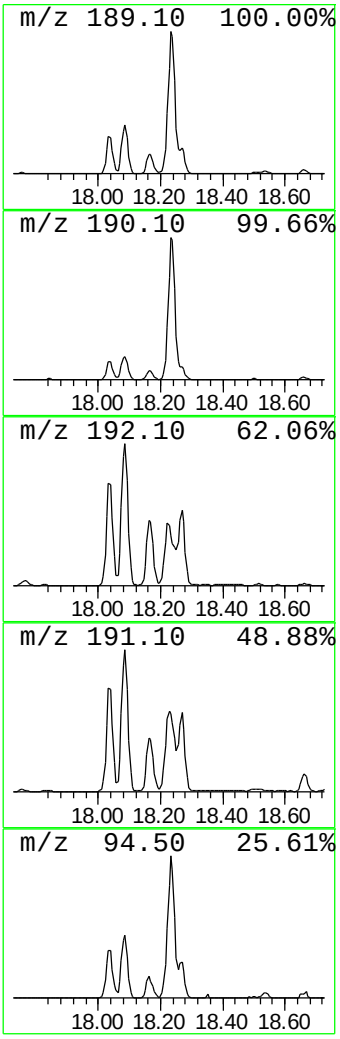
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	11.65 ng/ul	1067290	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	56
5	Methyl diselenide	190	C2H6Se2	007101-31-7	55





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Sample : H2729-02MEDL 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D0MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

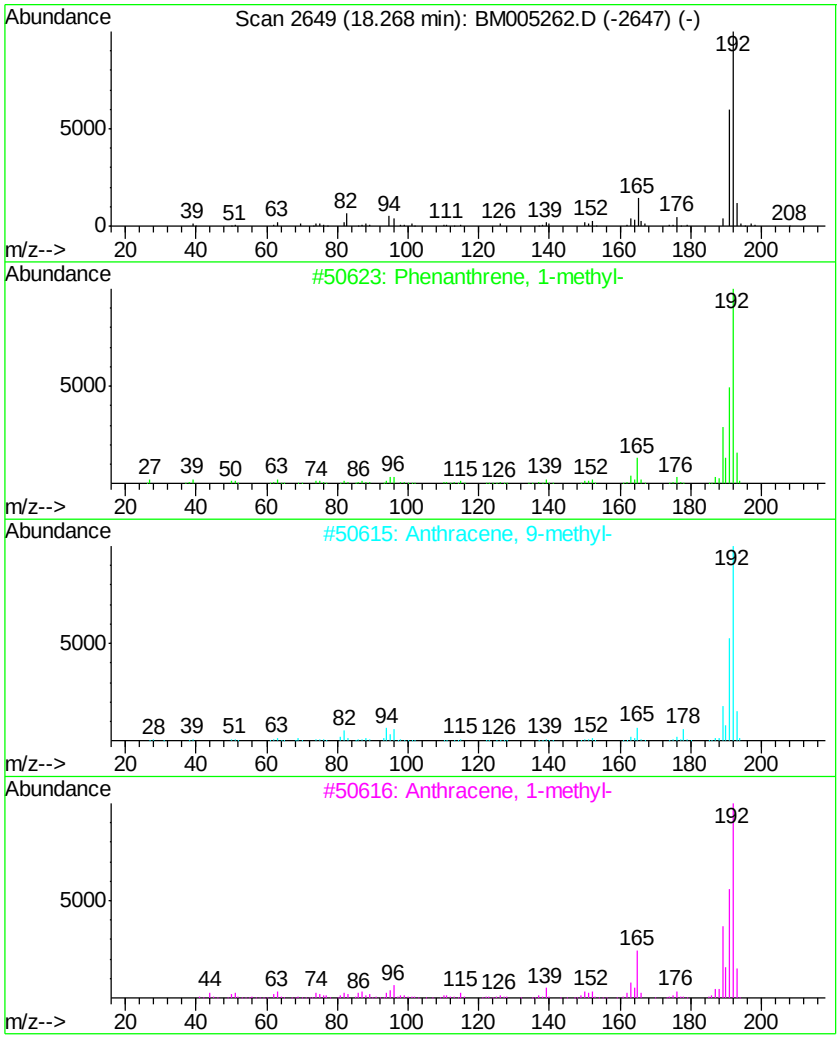
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

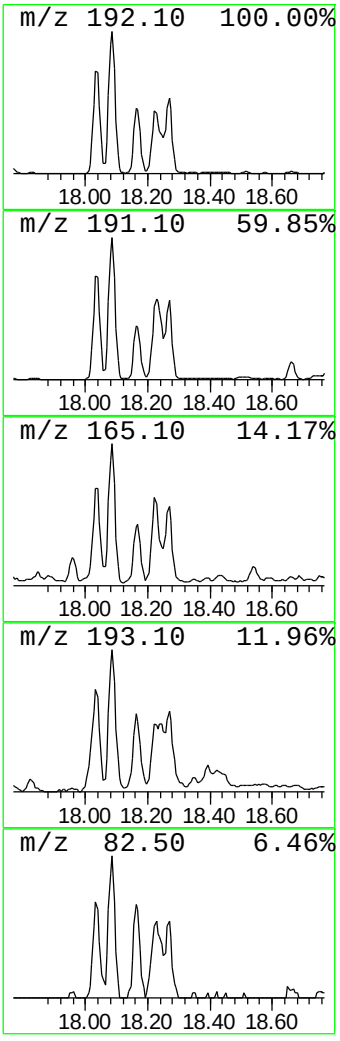
****

Peak Number 7 Anthracene, 9-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	3.36 ng/ul	308054	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Sample : H2729-02MEDL 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D0MEDL

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Quant Title : SVOA CALIBRATION

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

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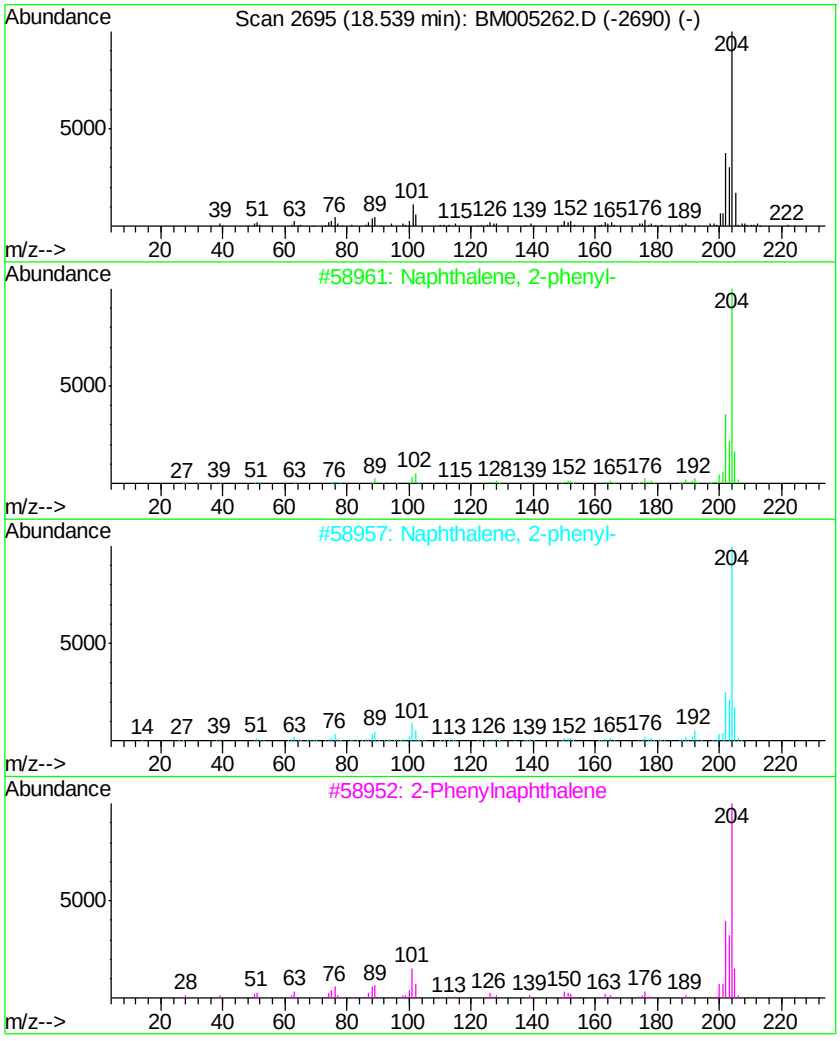
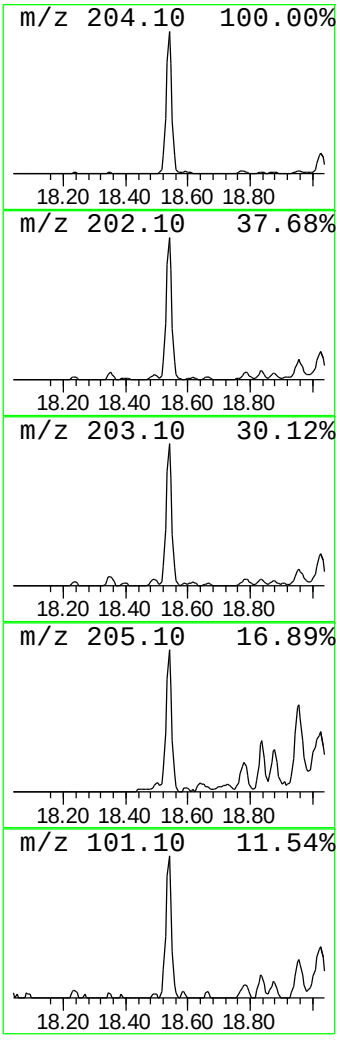
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	4.79 ng/ul	438512	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	90
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74





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Sample : H2729-02MEDL 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D0MEDL

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Quant Title : SVOA CALIBRATION

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

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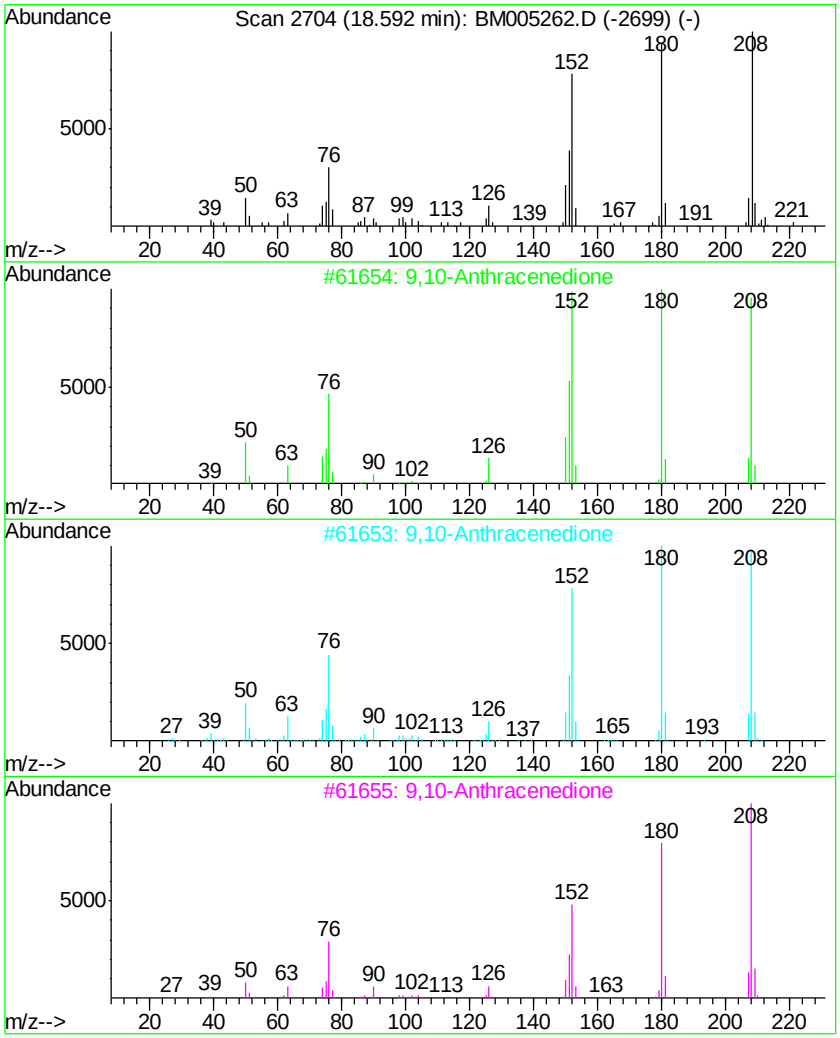
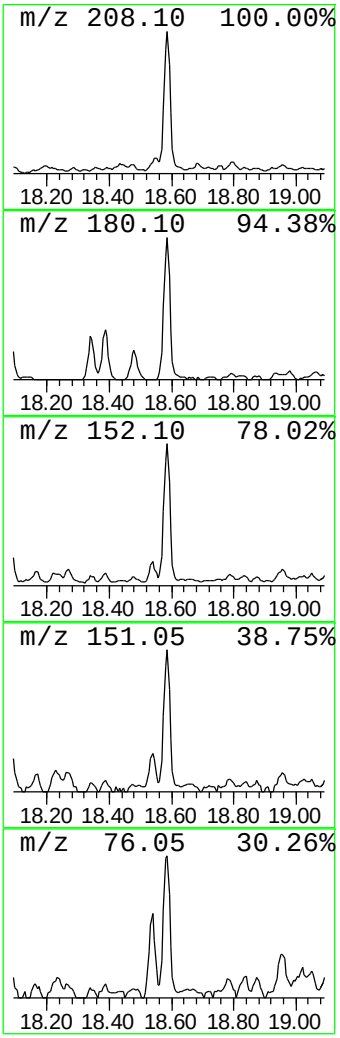
Peak Number 9 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	2.20 ng/ul	202017	Phenanthrene-d10	17.16

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	94
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	64
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60





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Sample : H2729-02MEDL 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D0MEDL

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Quant Title : SVOA CALIBRATION

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

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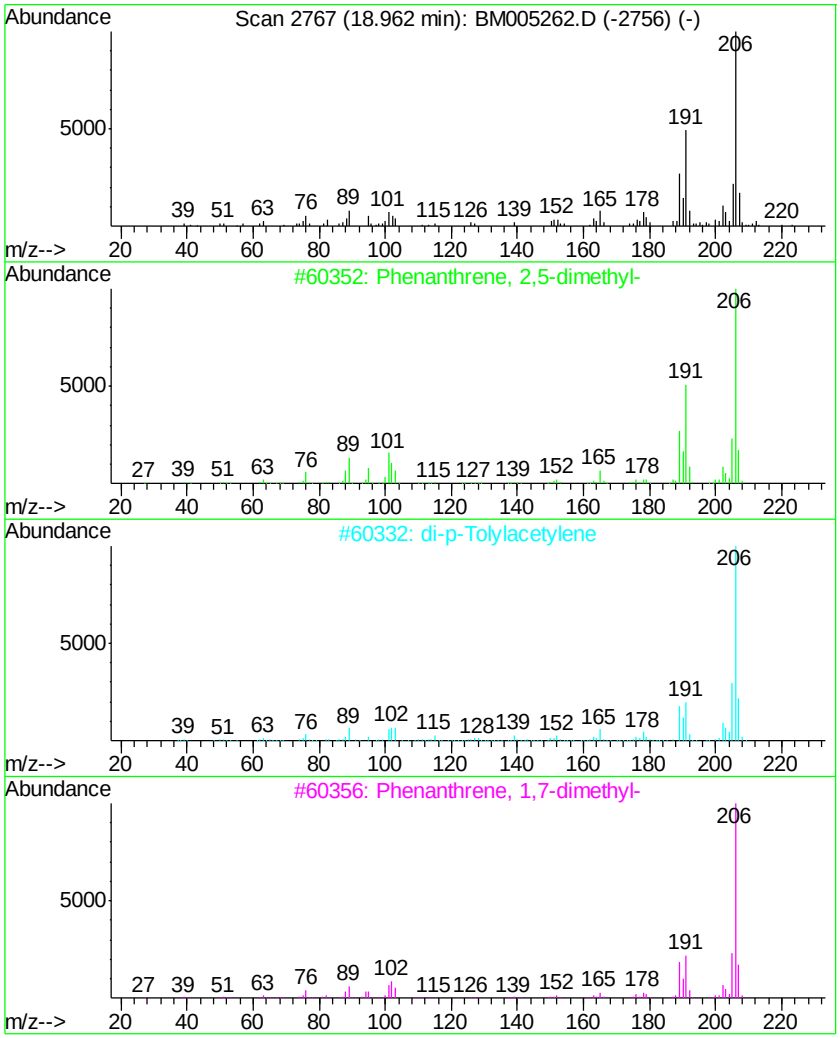
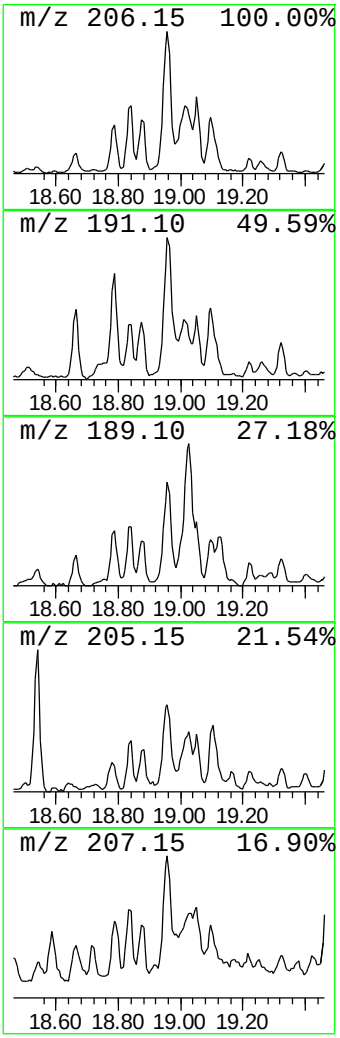
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	4.67 ng/ul	428106	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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Operator : UM/SJ
Sample : H2729-02MEDL 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D0MEDL

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Quant Title : SVOA CALIBRATION

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

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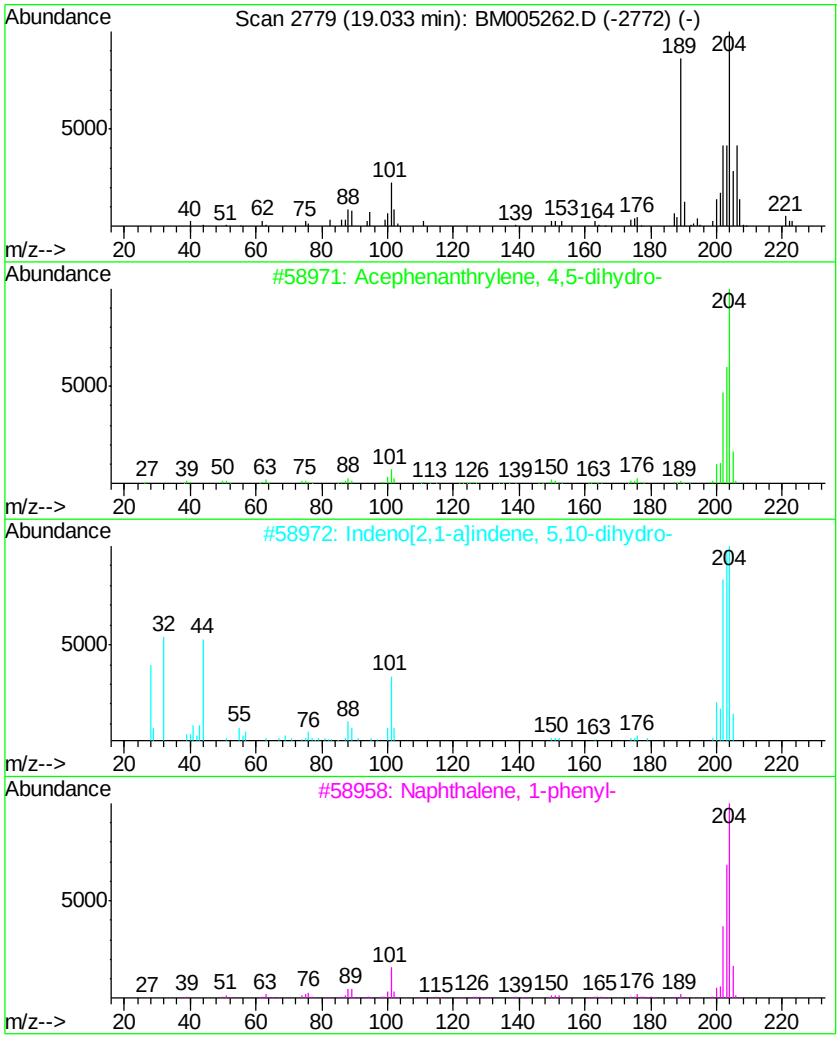
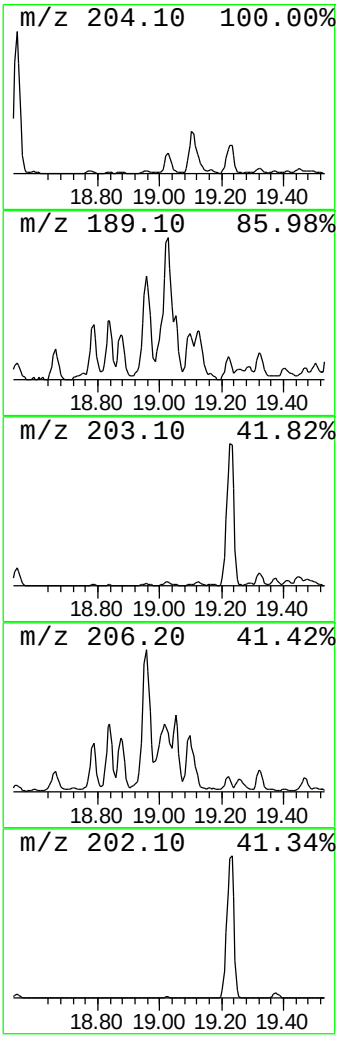
Peak Number 11 Acephenanthrylene, 4,5-dihy... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	2.80 ng/ul	257003	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	86
2	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	44
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	38
4	Imidazo[2,1-b]thiazole, 2,3,5,6-...	204	C11H12N2S	006649-23-6	38
5	2-Phenylnaphthalene	204	C16H12	035465-71-5	38





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Operator : UM/SJ
Sample : H2729-02MEDL 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D0MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

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

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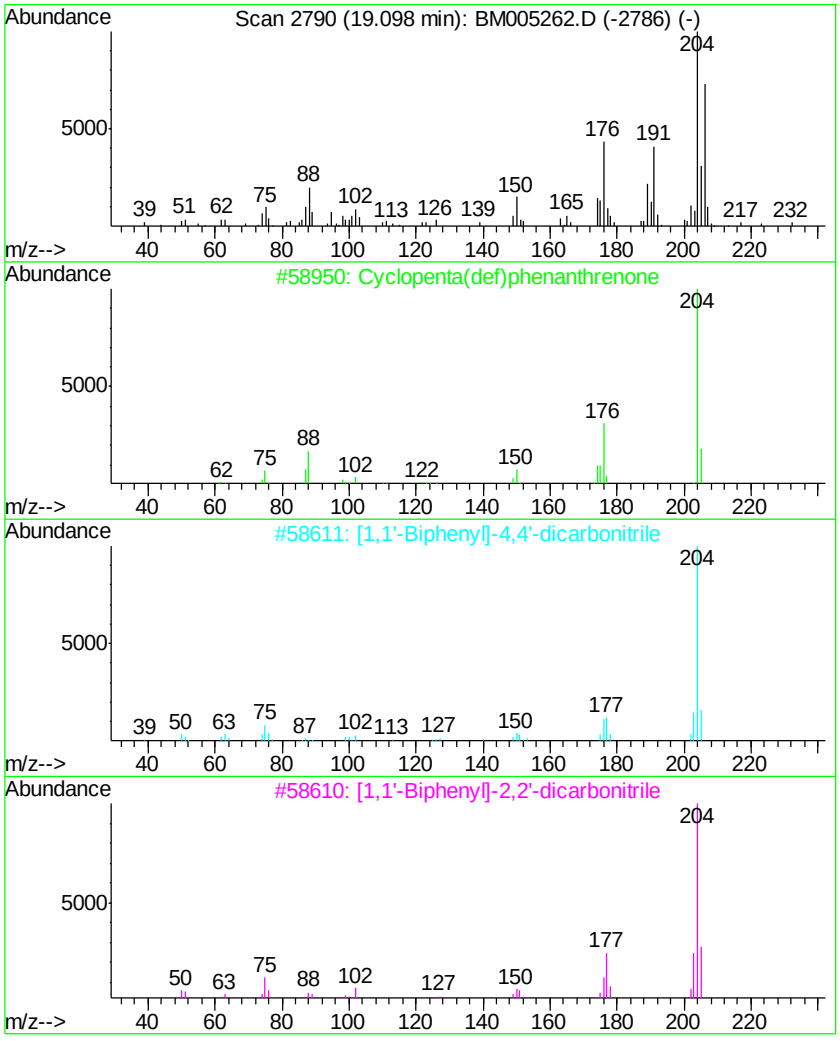
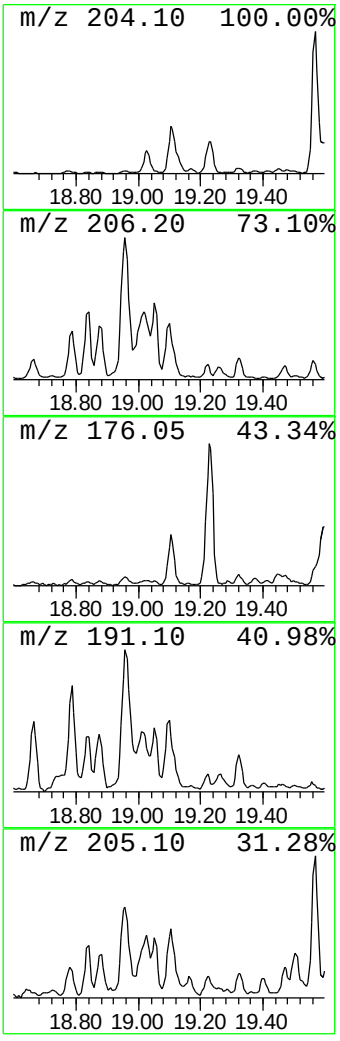
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	3.32 ng/ul	304436	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	46
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	38





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Sample : H2729-02MEDL 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D0MEDL

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Quant Title : SVOA CALIBRATION

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

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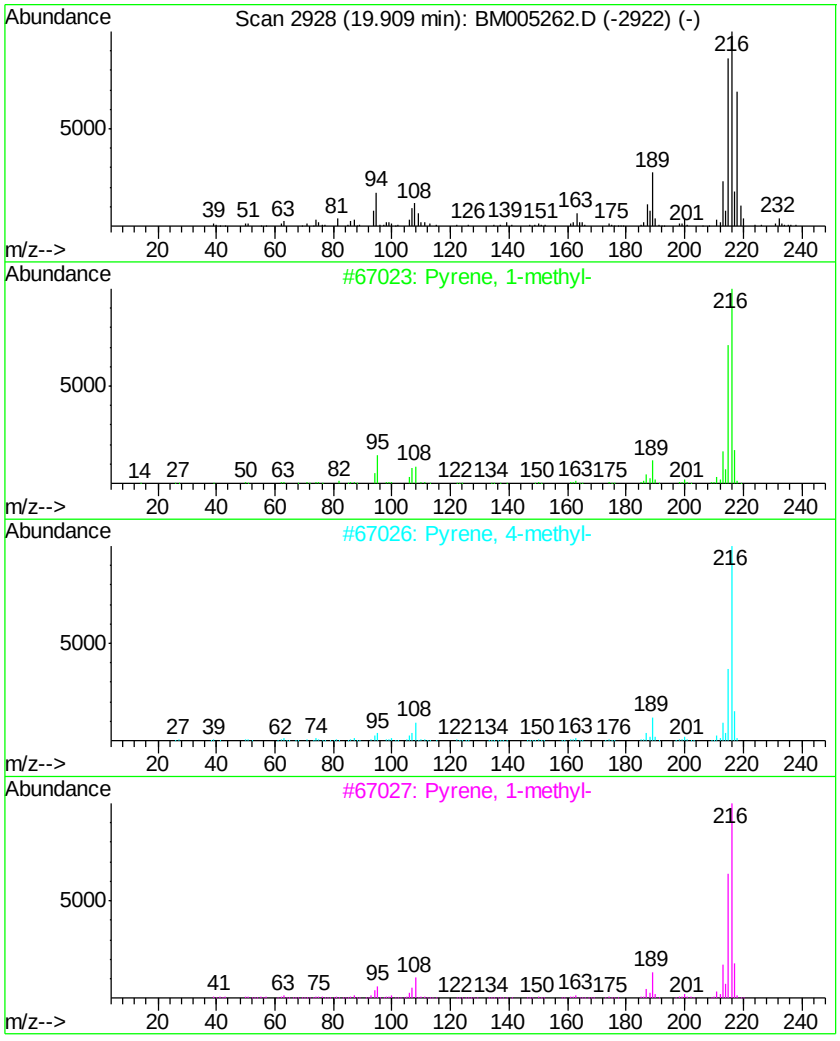
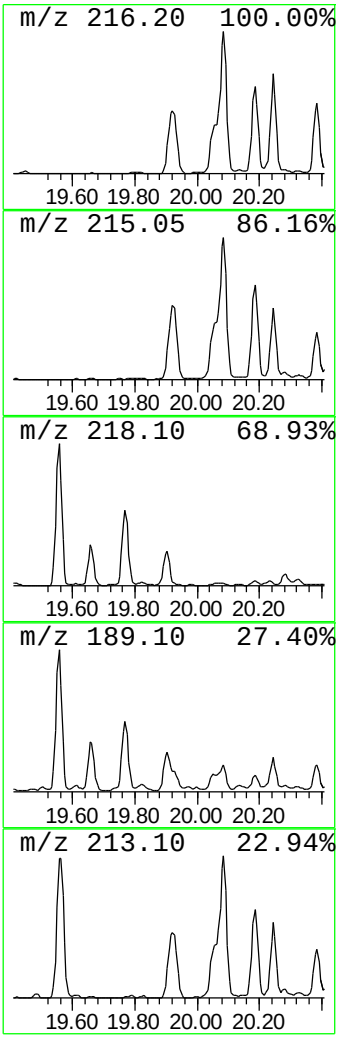
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.91	2.38 ng/ul	661800	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	89
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70





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Sample : H2729-02MEDL 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D0MEDL

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Quant Title : SVOA CALIBRATION

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

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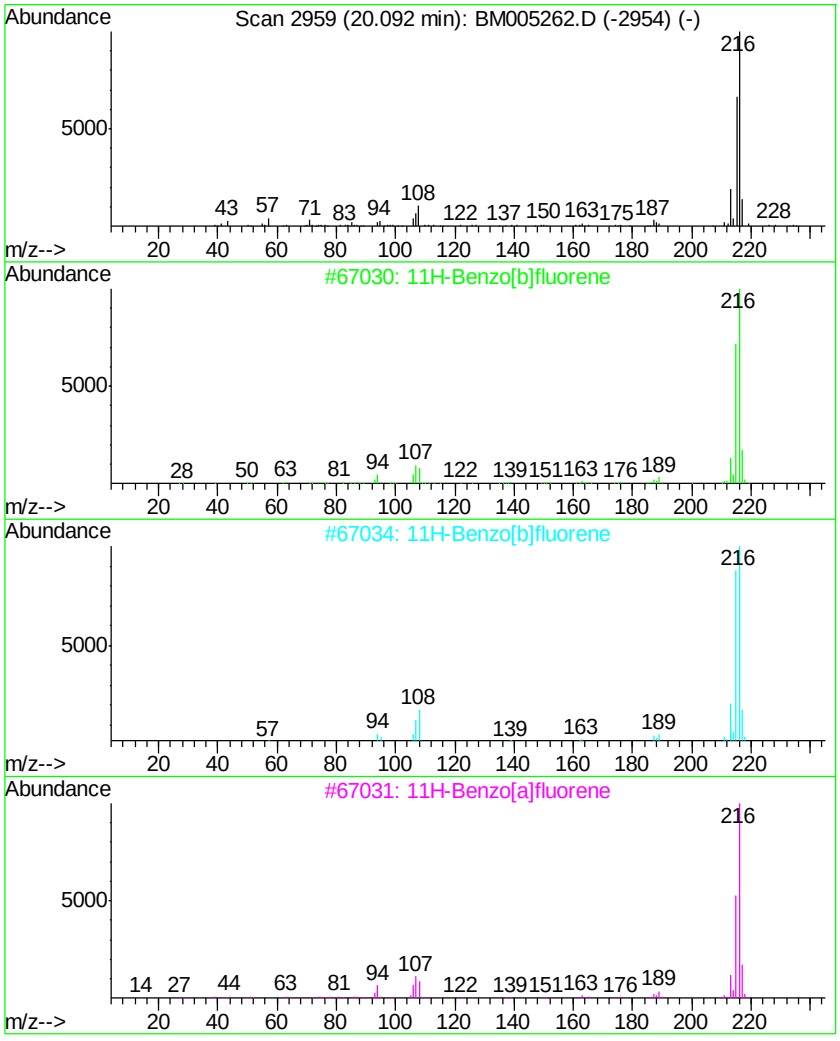
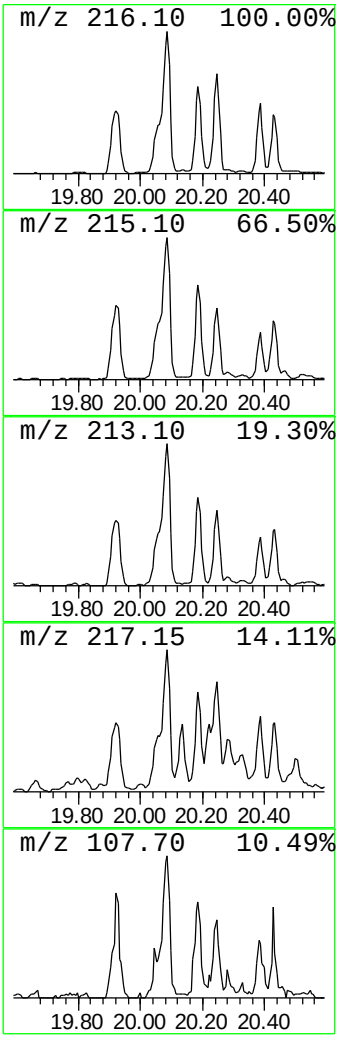
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.09	2.50 ng/ul	695637	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93





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Sample : H2729-02MEDL 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D0MEDL

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Quant Title : SVOA CALIBRATION

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

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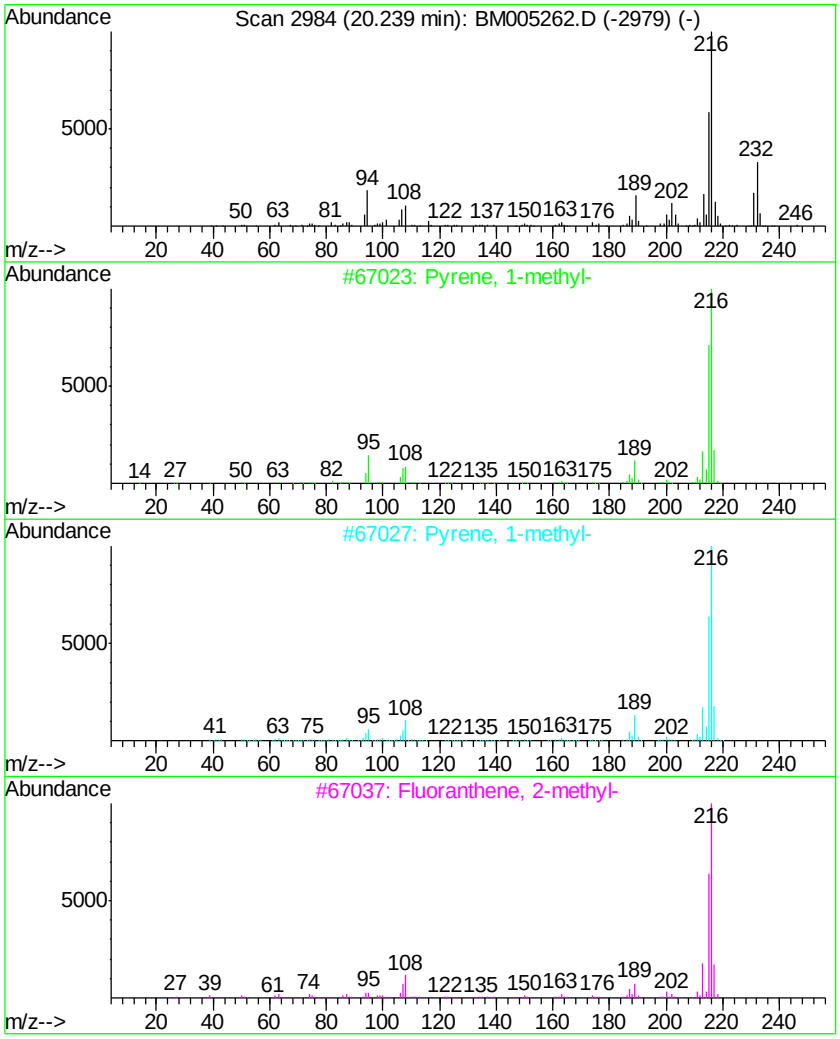
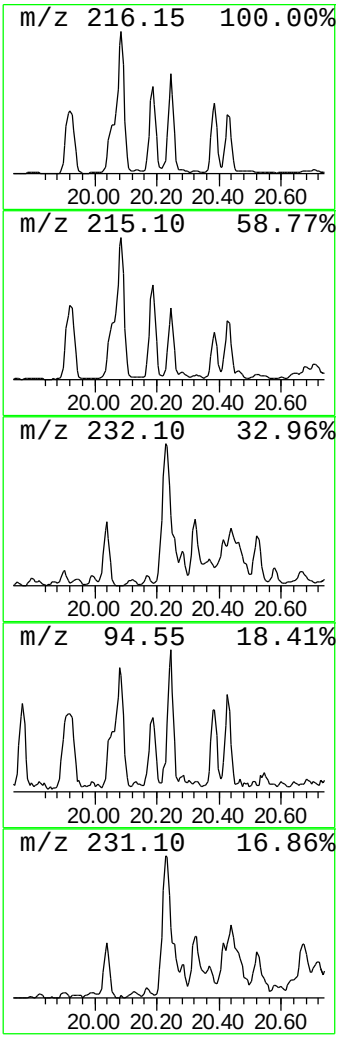
Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.24	2.06 ng/ul	573342	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94





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Sample : H2729-02MEDL 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D0MEDL

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Quant Title : SVOA CALIBRATION

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

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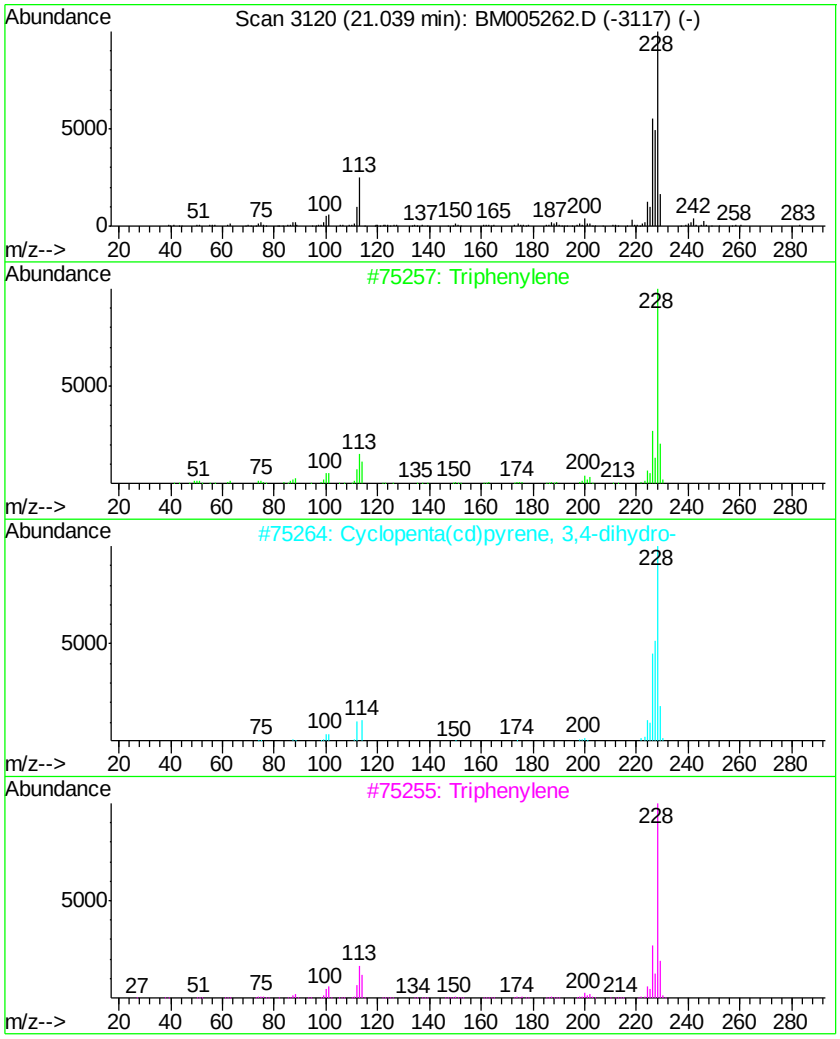
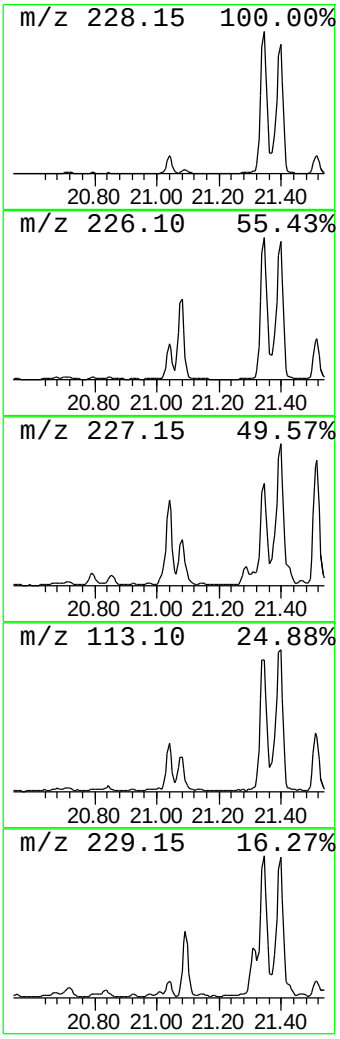
Peak Number 16 unknown-01 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.04	2.11 ng/ul	588228	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene	228	C18H12	000217-59-4	49
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	46
3	Triphenylene	228	C18H12	000217-59-4	45
4	Purine-6(1H)-thione, 3,7-dimethy...	228	C7H8N4Se	023663-58-3	45
5	Triphenylene	228	C18H12	000217-59-4	43





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Operator : UM/SJ
Sample : H2729-02MEDL 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D0MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

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

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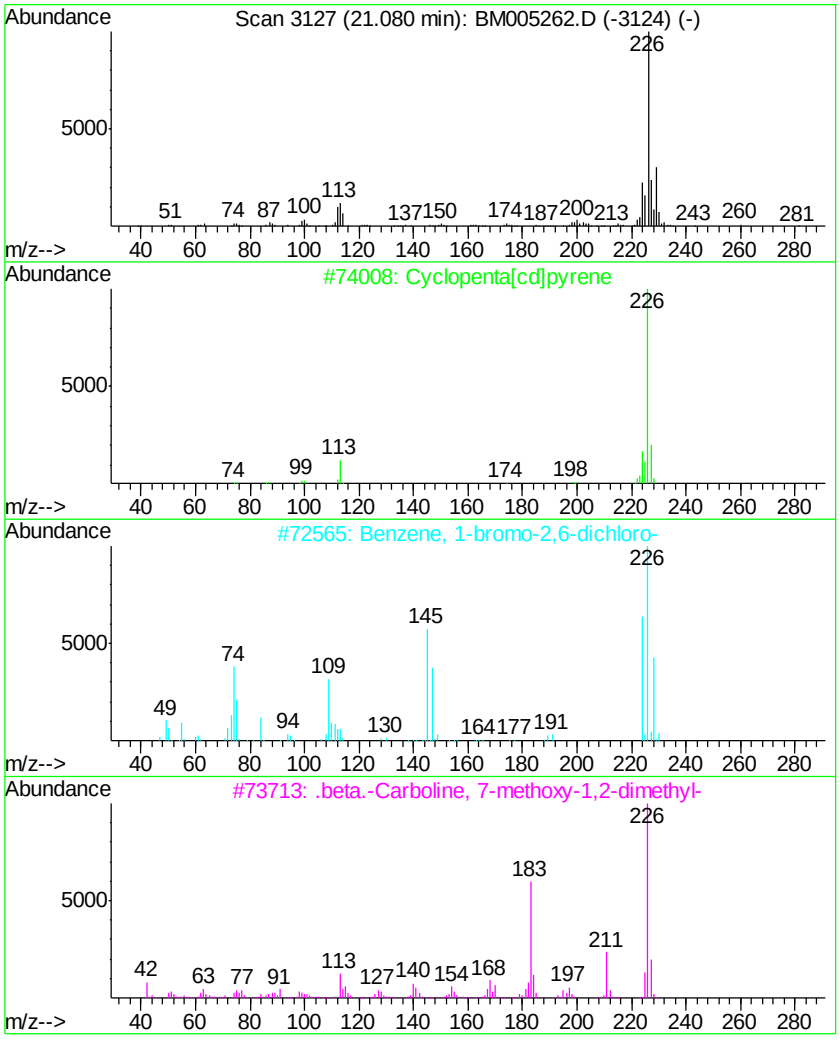
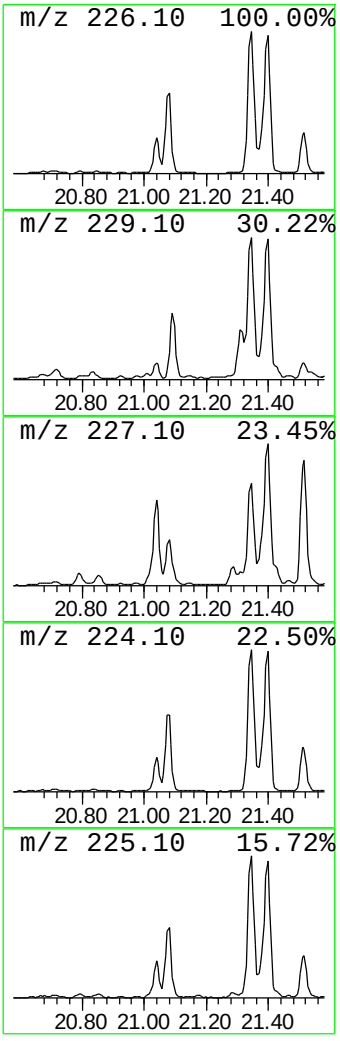
Peak Number 17 Cyclopenta[cd]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.08	2.31 ng/ul	643281	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	64
2	Benzene, 1-bromo-2,6-dichloro-	224	C6H3BrCl2	019393-92-1	53
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	50
4	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	49
5	Benzene, 2-bromo-1,4-dichloro-	224	C6H3BrCl2	001435-50-3	40





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Data File : BM005262.D
Acq On : 06 May 2016 09:47
Operator : UM/SJ
Sample : H2729-02MEDL 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D0MEDL

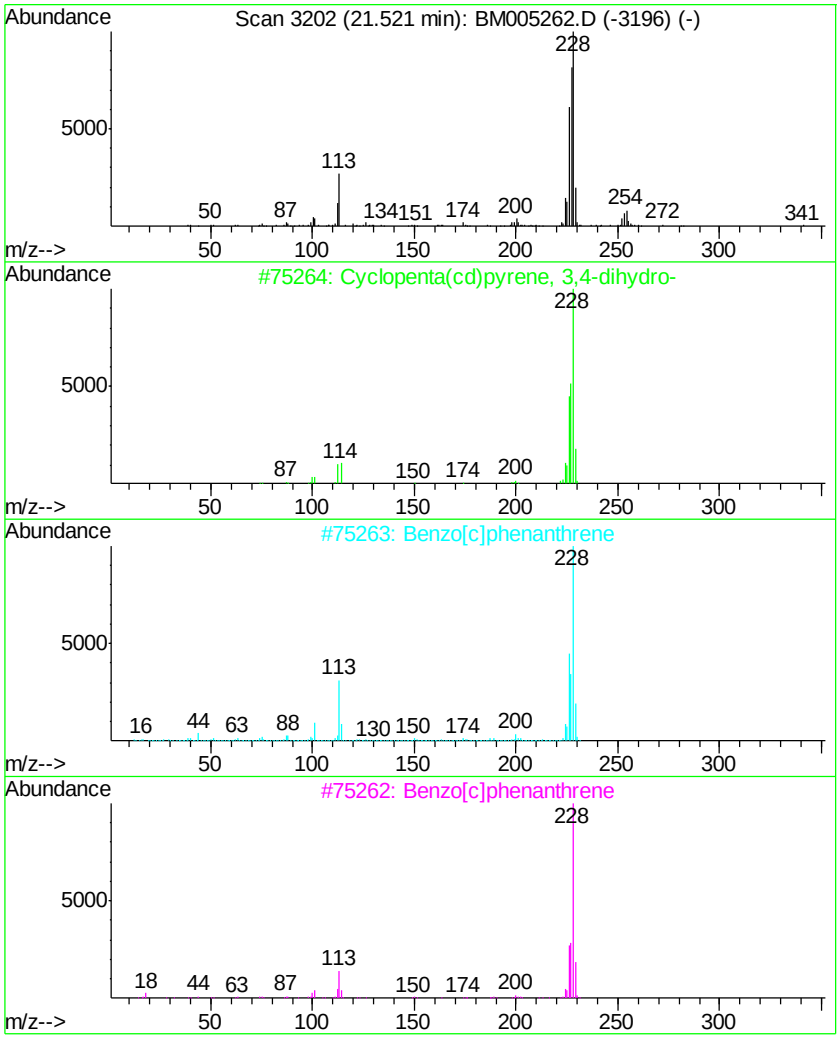
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

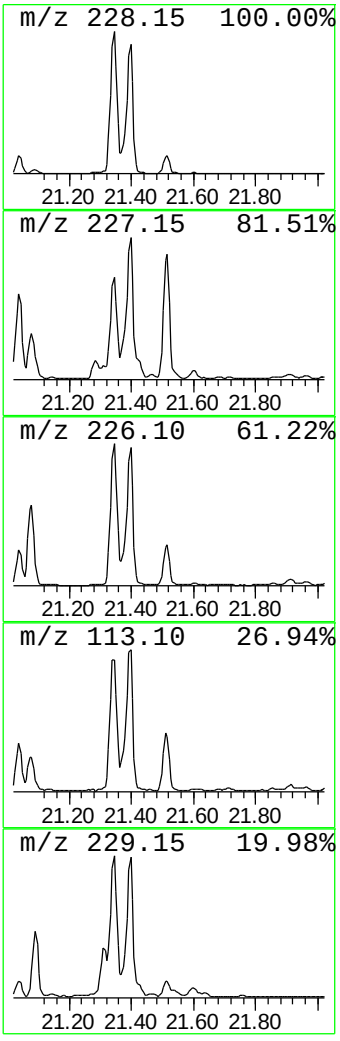
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.52	2.01 ng/ul	560485	Chrysene-d12	21.36

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	Benzo[c]phenanthrene	228	C18H12	000195-19-7	55
4	Triphenylene	228	C18H12	000217-59-4	50
5	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	47





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Data File : BM005262.D
Acq On : 06 May 2016 09:47
Operator : UM/SJ
Sample : H2729-02MEDL 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D0MEDL

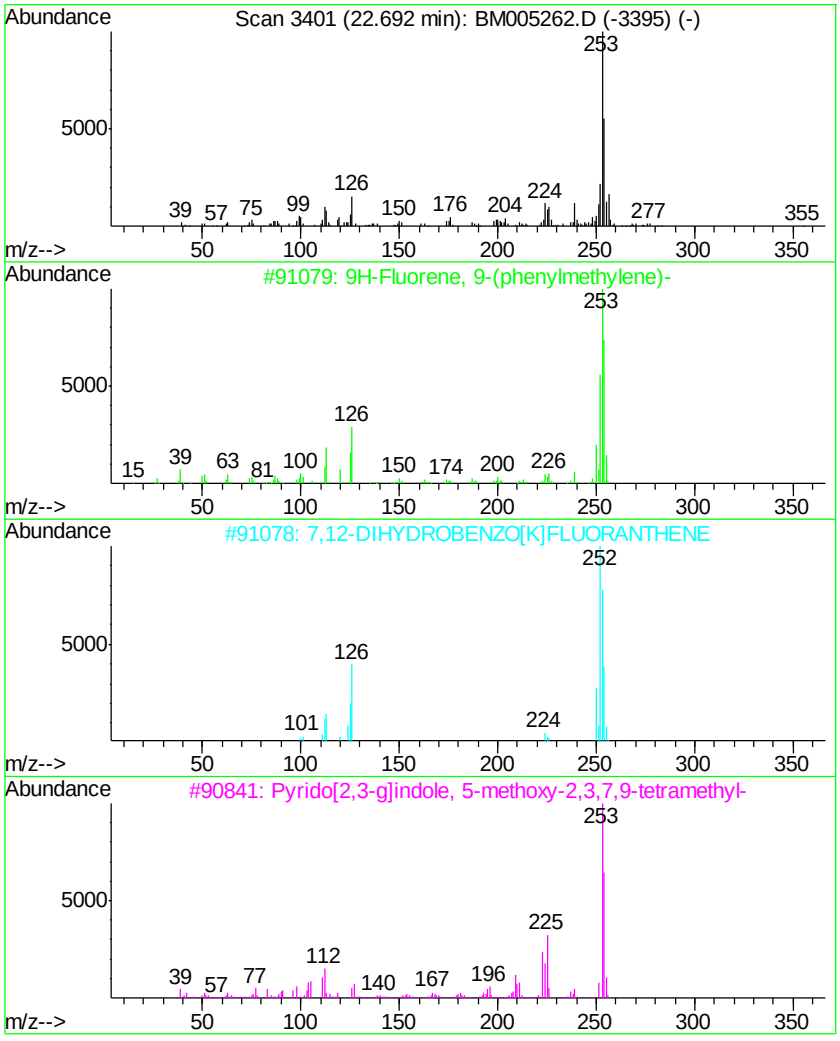
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

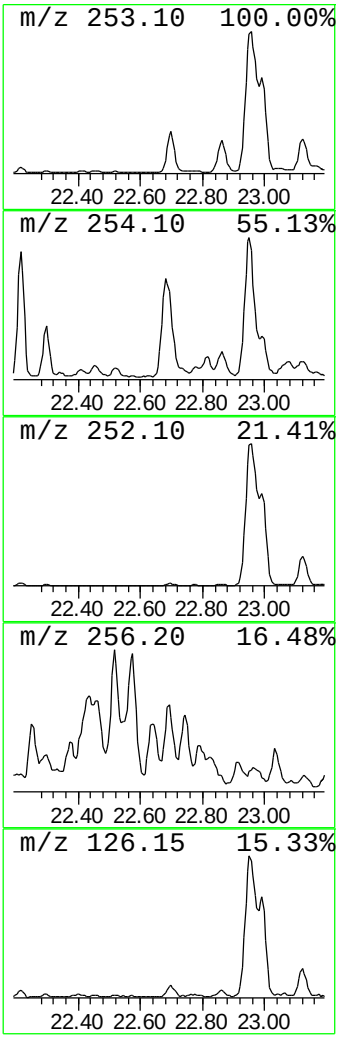
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 9H-Fluorene, 9-(phenylmethy... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.69	2.99 ng/ul	306515	Perylene-d12	23.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	90
2	7,12-DIHYDROBENZO[K]FLUORANTHENE	254	C20H14	1000080-17-7	64
3	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	64
4	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	64
5	4,6'-Biazulenyl	254	C20H14	094154-49-1	62





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Data File : BM005262.D
Acq On : 06 May 2016 09:47
Operator : UM/SJ
Sample : H2729-02MEDL 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D0MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

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

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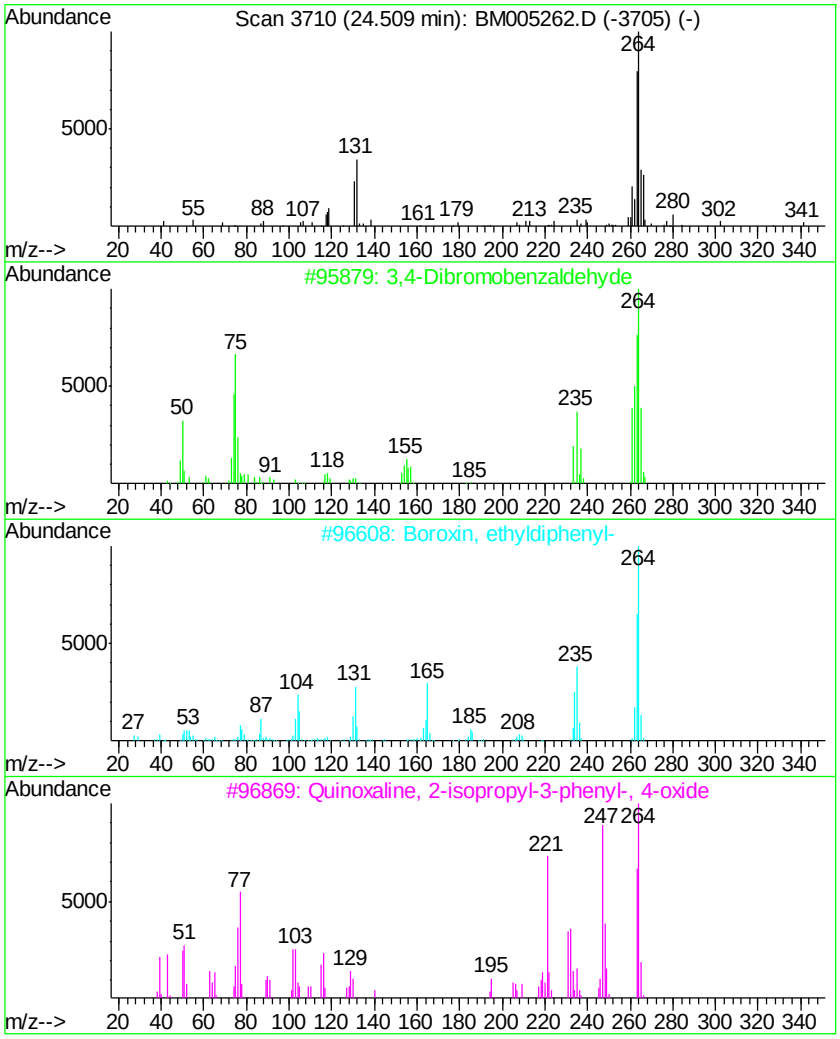
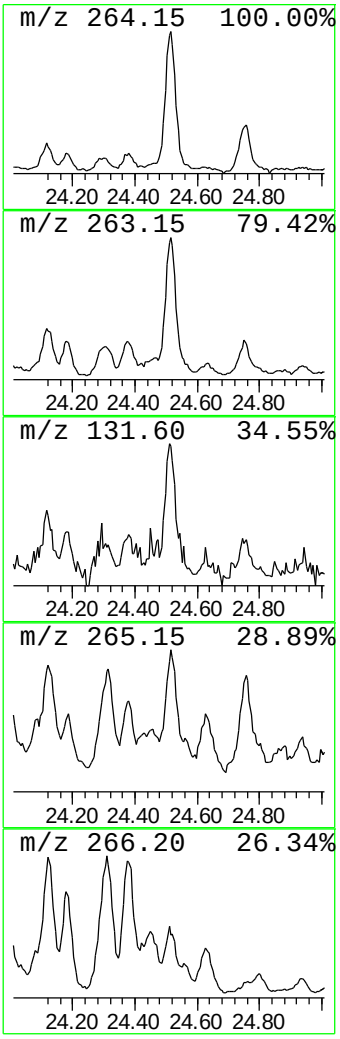
Peak Number 21 3,4-Dibromobenzaldehyde Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.51	2.11 ng/ul	216631	Perylene-d12	23.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	58
2	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	53
3	Quinoxaline, 2-isopropyl-3-pheny...	264	C17H16N2O	016007-79-7	38
4	1,3-Butanedione, 1-phenyl-2-[(ph...	265	C17H15NO2	101441-99-0	22
5	Isoquinoline, 5,6,7,8-tetrametho...	263	C14H17NO4	093474-27-2	22





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Data File : BM005262.D
Acq On : 06 May 2016 09:47
Operator : UM/SJ
Sample : H2729-02MEDL 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D0MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

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

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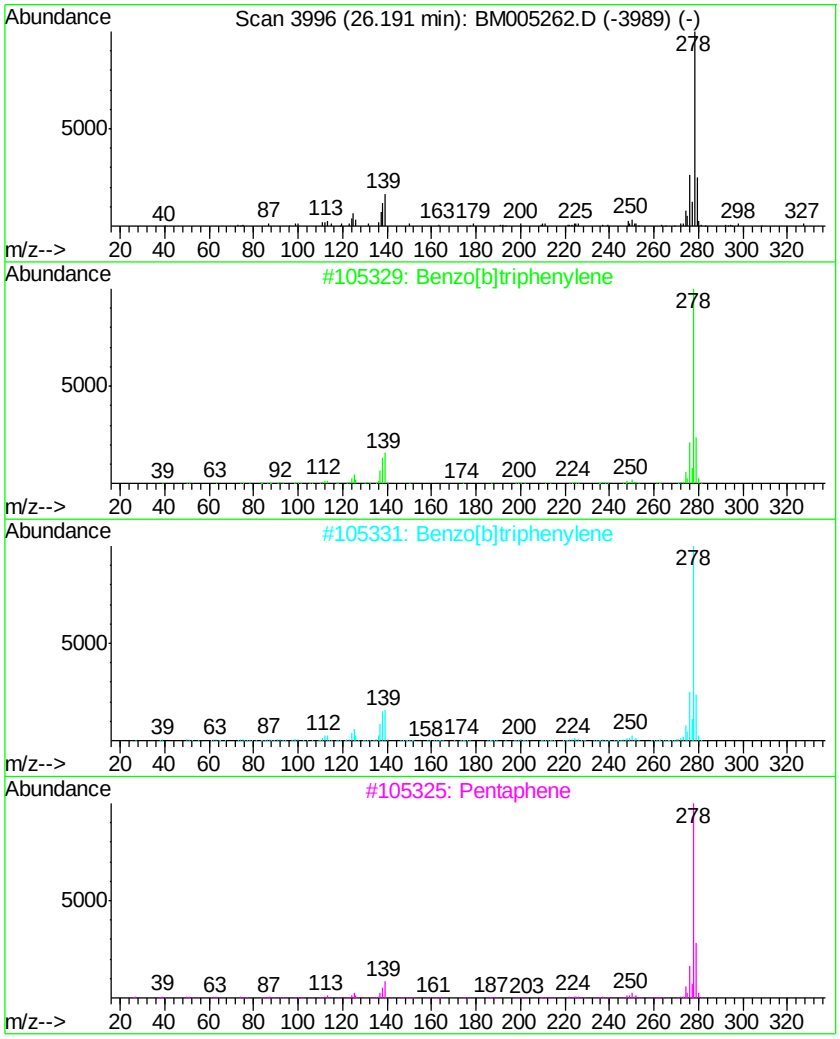
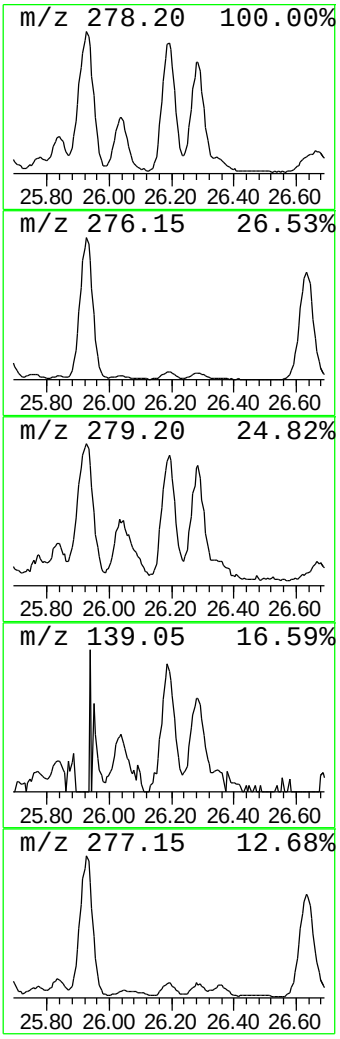
Peak Number 22 Benzo[b]triphenylene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.19	2.01 ng/ul	206798	Perylene-d12	23.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
3	Pentaphene	278	C22H14	000222-93-5	97
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97
5	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	96





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005262.D
Acq On : 06 May 2016 09:47
Operator : UM/SJ
Sample : H2729-02MEDL 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D0MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

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

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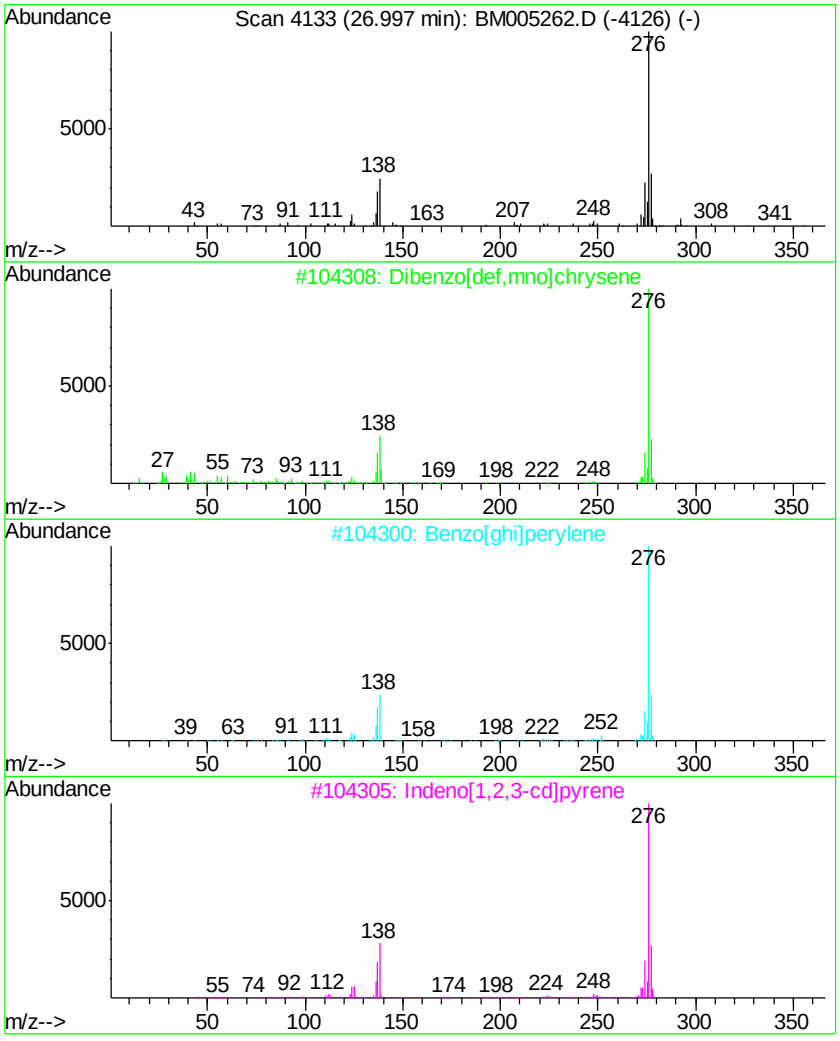
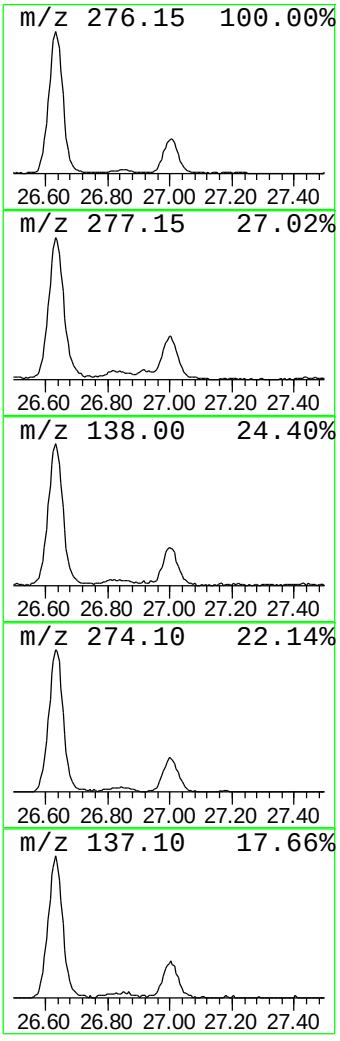
Peak Number 23 Dibenzo[def,mno]chrysene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.00	3.24 ng/ul	332599	Perylene-d12	23.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	94
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	94
4	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
5	Benzo[ghi]perylene	276	C22H12	000191-24-2	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005262.D
Acq On : 06 May 2016 09:47
Operator : UM/SJ
Sample : H2729-02MEDL 2X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3D0MEDL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.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
[1,1'-Biphenyl]-4...	15.90	2.5	ng/ul	229324	4	17.16	1832520	20.0
Dibenzothiophene	16.98	2.9	ng/ul	261939	4	17.16	1832520	20.0
Phenanthrene, 2-m...	18.03	6.4	ng/ul	582719	4	17.16	1832520	20.0
Anthracene, 2-met...	18.09	7.8	ng/ul	710974	4	17.16	1832520	20.0
Phenanthrene, 1-m...	18.16	3.5	ng/ul	316759	4	17.16	1832520	20.0
4H-Cyclopenta[def...	18.23	11.7	ng/ul	1067290	4	17.16	1832520	20.0
Anthracene, 9-met...	18.27	3.4	ng/ul	308054	4	17.16	1832520	20.0
Naphthalene, 2-ph...	18.54	4.8	ng/ul	438512	4	17.16	1832520	20.0
9,10-Anthracenedione	18.59	2.2	ng/ul	202017	4	17.16	1832520	20.0
Phenanthrene, 2,5...	18.96	4.7	ng/ul	428106	4	17.16	1832520	20.0
Acephenanthrylene...	19.03	2.8	ng/ul	257003	4	17.16	1832520	20.0
Cyclopenta(def)ph...	19.10	3.3	ng/ul	304436	4	17.16	1832520	20.0
Pyrene, 1-methyl-	19.91	2.4	ng/ul	661800	5	21.36	5570510	20.0
11H-Benzo[b]fluorene	20.09	2.5	ng/ul	695637	5	21.36	5570510	20.0
Fluoranthene, 2-m...	20.24	2.1	ng/ul	573342	5	21.36	5570510	20.0
unknown-01	21.04	2.1	ng/ul	588228	5	21.36	5570510	20.0
Cyclopenta[cd]pyrene	21.08	2.3	ng/ul	643281	5	21.36	5570510	20.0
Cyclopenta(cd)pyr...	21.52	2.0	ng/ul	560485	5	21.36	5570510	20.0
9H-Fluorene, 9-(p...	22.69	3.0	ng/ul	306515	6	23.63	2052880	20.0
3,4-Dibromobenzal...	24.51	2.1	ng/ul	216631	6	23.63	2052880	20.0
Benzo[b]triphenylene	26.19	2.0	ng/ul	206798	6	23.63	2052880	20.0
Dibenzo[def,mno]c...	27.00	3.2	ng/ul	332599	6	23.63	2052880	20.0