LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002204.D
Acq On : 03 Aug 2015 19:12
Operator : TP/UM
Sample : G3095-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S2

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-BM072715.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	695	rBB	73716	116932	0.87%	0.103%
2	7.063	739	744	751	rBB	79233	118266	0.88%	0.104%
3	7.528	817	823	831	rBB	306837	477491	3.54%	0.420%
4	8.257	942	947	955	rBB	94561	149866	1.11%	0.132%
5	8.692	1015	1021	1028	rBB	71371	113060	0.84%	0.099%
6	9.957	1230	1236	1244	rBB	102611	160190	1.19%	0.141%
7	10.322	1291	1298	1302	rBV	446654	724691	5.38%	0.637%
8	10.369	1302	1306	1313	rVB	133544	210163	1.56%	0.185%
9	13.621	1854	1859	1863	rVV	175492	239238	1.78%	0.210%
10	13.898	1900	1906	1908	rBV	214459	302247	2.24%	0.266%
11	13.927	1908	1911	1918	rVB	196080	278953	2.07%	0.245%
12	14.210	1948	1959	1965	rBV2	694986	1066023	7.91%	0.937%
13	14.274	1965	1970	1978	rVB	472520	672404	4.99%	0.591%
14	14.610	2021	2027	2036	rVV	201305	283015	2.10%	0.249%
15	15.204	2120	2128	2133	rBV	279813	392328	2.91%	0.345%
16	15.263	2133	2138	2147	rVB	430268	599917	4.45%	0.527%
17	15.557	2184	2188	2194	rVB	73531	97003	0.72%	0.085%
18	15.704	2209	2213	2221	rVB	74580	139083	1.03%	0.122%
19	15.945	2243	2254	2260	rVB4	52494	98464	0.73%	0.087%
20	16.268	2297	2309	2313	rBV3	72262	174548	1.30%	0.153%
21	16.621	2365	2369	2377	rVB	155971	218956	1.62%	0.192%
22	16.715	2377	2385	2389	rVV2	101235	189561	1.41%	0.167%
23	16.780	2389	2396	2406	rVB	263303	393207	2.92%	0.346%
24	16.968	2417	2428	2431	rBV	892427	1413236	10.49%	1.242%
25	17.015	2431	2436	2441	rVV	4917354	6911514	51.28%	6.073%
26	17.068	2441	2445	2447	rVV	375923	552476	4.10%	0.485%
27	17.098	2447	2450	2455	rVV	1064412	1440115	10.69%	1.265%
28	17.157	2455	2460	2465	rVV3	67603	124615	0.92%	0.109%
29	17.345	2485	2492	2493	rBV	82598	107107	0.79%	0.094%
30	17.374	2493	2497	2508	rVV	460115	694410	5.15%	0.610%
31	17.480	2511	2515	2522	rVV3	97249	137759	1.02%	0.121%
32	17.545	2522	2526	2535	rVB3	120341	201197	1.49%	0.177%
33	17.686	2546	2550	2559	rVB	66086	127445	0.95%	0.112%
34	17.839	2567	2576	2580	rBV	464835	685815	5.09%	0.603%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002204.D
Acq On : 03 Aug 2015 19:12
Operator : TP/UM
Sample : G3095-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S2

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-BM072715.M
Title : SVOA CALIBRATION

35	17.886	2580	2584	2589	rVB	633437	884045	6.56%	0.777%
36	17.968	2593	2598	2603	rVB	230179	310903	2.31%	0.273%
37	18.039	2603	2610	2613	rBV2	908704	1543696	11.45%	1.356%
38	18.068	2613	2615	2624	rVB	313067	394238	2.93%	0.346%
39	18.151	2624	2629	2632	rBV	69200	97772	0.73%	0.086%
40	18.345	2657	2662	2666	rVV	431645	587059	4.36%	0.516%
41	18.398	2666	2671	2679	rVB	309911	440967	3.27%	0.387%
42	18.592	2701	2704	2709	rVB	118453	155410	1.15%	0.137%
43	18.645	2709	2713	2716	rBV	106688	126799	0.94%	0.111%
44	18.686	2716	2720	2724	rVB3	93598	126908	0.94%	0.112%
45	18.768	2728	2734	2739	rBV	246556	467023	3.47%	0.410%
46	18.833	2739	2745	2748	rVV4	131102	241109	1.79%	0.212%
47	18.921	2754	2760	2766	rBV2	265379	507064	3.76%	0.446%
48	19.051	2774	2782	2787	rBV	8398296	12687752	94.14%	11.148%
49	19.104	2787	2791	2794	rBV	99740	135450	1.00%	0.119%
50	19.139	2794	2797	2801	rVB	150536	180249	1.34%	0.158%
51	19.192	2801	2806	2809	rVB	105980	139476	1.03%	0.123%
52	19.280	2810	2821	2825	rBV	341553	656776	4.87%	0.577%
53	19.421	2832	2845	2850	rBV	6977705	13477883	100.00%	11.843%
54	19.474	2850	2854	2861	rVB2	315556	481445	3.57%	0.423%
55	19.586	2867	2873	2878	rBV	377008	524828	3.89%	0.461%
56	19.645	2879	2883	2888	rVB	260520	379213	2.81%	0.333%
57	19.727	2891	2897	2904	rBV2	375981	990500	7.35%	0.870%
58	19.786	2904	2907	2911	rBV	140979	165598	1.23%	0.146%
59	19.862	2915	2920	2922	rBV2	297759	463203	3.44%	0.407%
60	19.903	2923	2927	2932	rVB	1139312	1527263	11.33%	1.342%
61	20.003	2939	2944	2948	rBV	1035365	1247012	9.25%	1.096%
62	20.062	2948	2954	2957	rVV2	507490	856637	6.36%	0.753%
63	20.098	2957	2960	2964	rVB	364963	448923	3.33%	0.394%
64	20.139	2964	2967	2972	rBV3	109380	137956	1.02%	0.121%
65	20.203	2974	2978	2981	rBV	289584	367195	2.72%	0.323%
66	20.245	2981	2985	2989	rVB	345610	434350	3.22%	0.382%
67	20.368	3003	3006	3011	rVB2	94987	118678	0.88%	0.104%
68	20.527	3030	3033	3037	rVB	138280	187444	1.39%	0.165%
69	20.615	3044	3048	3051	rBV2	133215	224242	1.66%	0.197%
70	20.656	3051	3055	3061	rVB	410175	565238	4.19%	0.497%
71	20.815	3078	3082	3086	rBV2	724202	1038401	7.70%	0.912%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002204.D
Acq On : 03 Aug 2015 19:12
Operator : TP/UM
Sample : G3095-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S2

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-BM072715.M
Title : SVOA CALIBRATION

72	20.856	3086	3089	3092	rVV	656210	778973	5.78%	0.684%
73	20.898	3092	3096	3101	rVV2	608635	1129798	8.38%	0.993%
74	20.956	3103	3106	3111	rVB	436572	590969	4.38%	0.519%
75	21.056	3116	3123	3130	rBV	278230	673313	5.00%	0.592%
76	21.168	3133	3142	3147	rBV3	4560368	8590753	63.74%	7.549%
77	21.221	3147	3151	3155	rVB	4312571	4954887	36.76%	4.354%
78	21.292	3161	3163	3166	rBV2	97961	110532	0.82%	0.097%
79	21.333	3166	3170	3176	rVV	890230	1169276	8.68%	1.027%
80	21.386	3176	3179	3183	rVV4	231572	403860	3.00%	0.355%
81	21.445	3186	3189	3192	rVV	282486	328774	2.44%	0.289%
82	21.492	3192	3197	3201	rVV2	470895	731559	5.43%	0.643%
83	21.662	3222	3226	3229	rBV2	185918	276859	2.05%	0.243%
84	21.715	3229	3235	3239	rVV	573541	942549	6.99%	0.828%
85	21.762	3241	3243	3249	rVB	280955	339770	2.52%	0.299%
86	21.868	3258	3261	3264	rVB2	242920	276143	2.05%	0.243%
87	21.909	3264	3268	3270	rVV	369583	458821	3.40%	0.403%
88	21.939	3271	3273	3279	rVB2	433125	573226	4.25%	0.504%
89	21.997	3279	3283	3289	rBV2	250237	404094	3.00%	0.355%
90	22.192	3312	3316	3321	rBV6	235492	415729	3.08%	0.365%
91	22.468	3359	3363	3368	rBV2	240939	386082	2.86%	0.339%
92	22.727	3399	3407	3411	rBV	3097534	7071122	52.46%	6.213%
93	22.880	3428	3433	3438	rBV	582616	882319	6.55%	0.775%
94	23.009	3451	3455	3462	rBV2	157984	376465	2.79%	0.331%
95	23.186	3478	3485	3491	rBV	1752346	3274240	24.29%	2.877%
96	23.286	3495	3502	3509	rVB	2755360	5177159	38.41%	4.549%
97	23.374	3511	3517	3520	rVV	625475	1210582	8.98%	1.064%
98	23.421	3520	3525	3532	rVB	971166	1741319	12.92%	1.530%
99	25.591	3883	3894	3901	rVB2	1405370	4173512	30.97%	3.667%
100	26.279	4000	4011	4022	rVB	1078791	3434317	25.48%	3.018%

Sum of corrected areas: 113807002

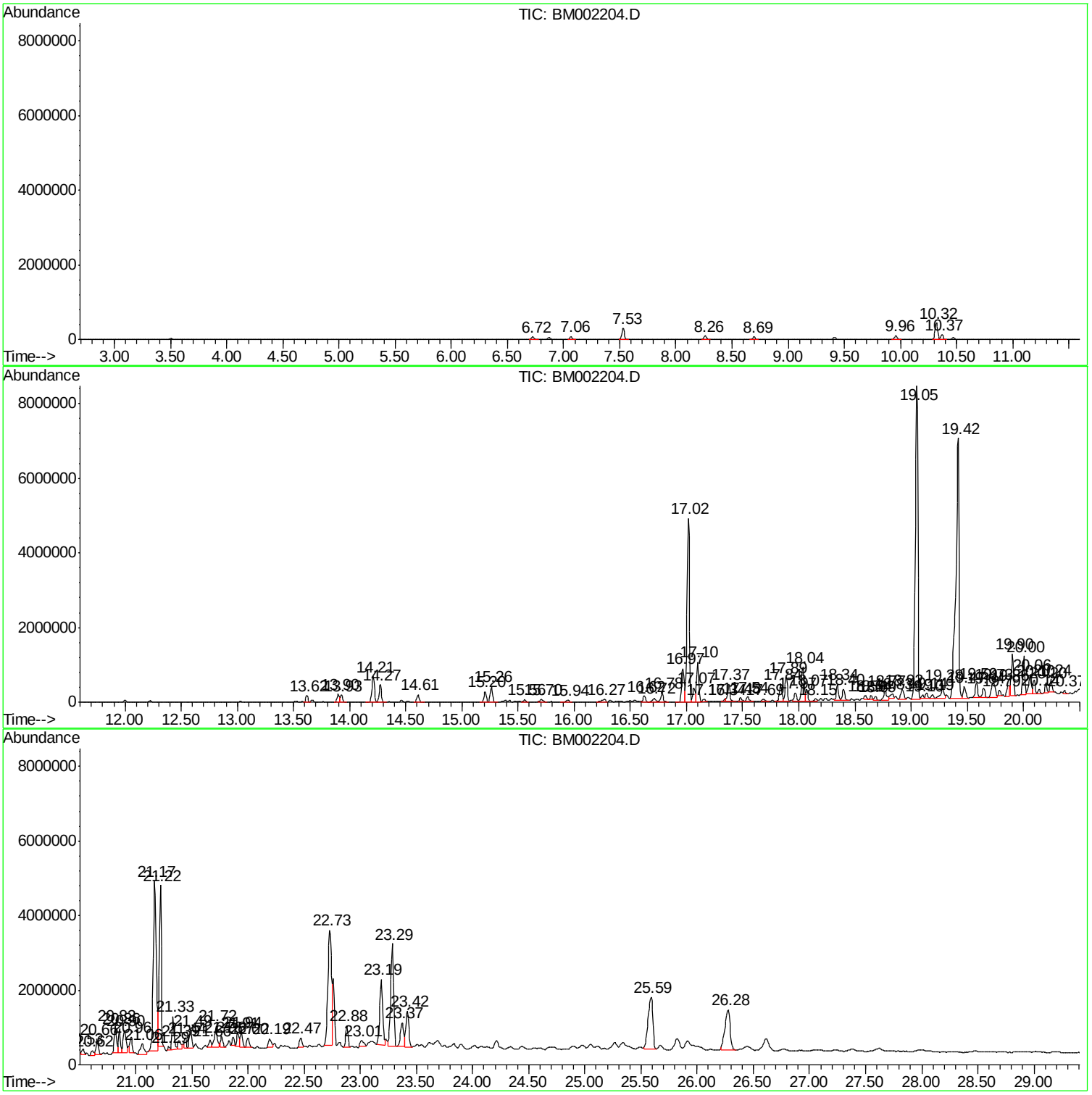
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002204.D
Acq On : 03 Aug 2015 19:12
Operator : TP/UM
Sample : G3095-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C01S2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002204.D
Acq On : 03 Aug 2015 19:12
Operator : TP/UM
Sample : G3095-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

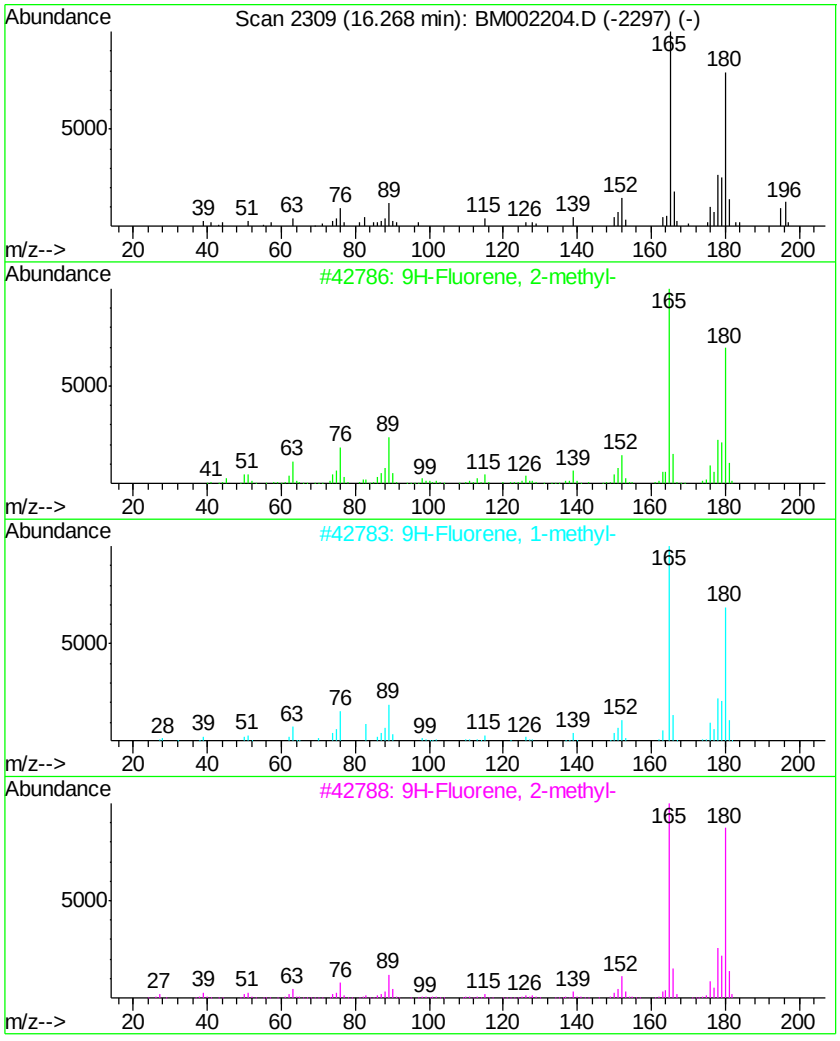
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

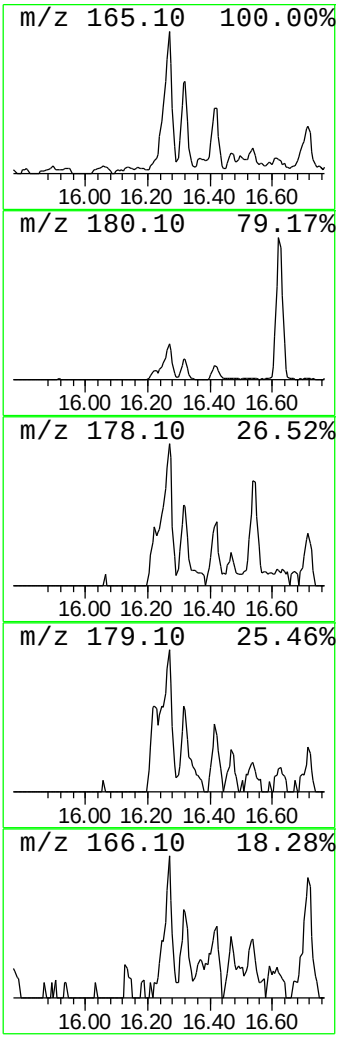
****

Peak Number 1 9H-Fluorene, 2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.27	2.47 ng/ul	174548	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	90
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002204.D
Acq On : 03 Aug 2015 19:12
Operator : TP/UM
Sample : G3095-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

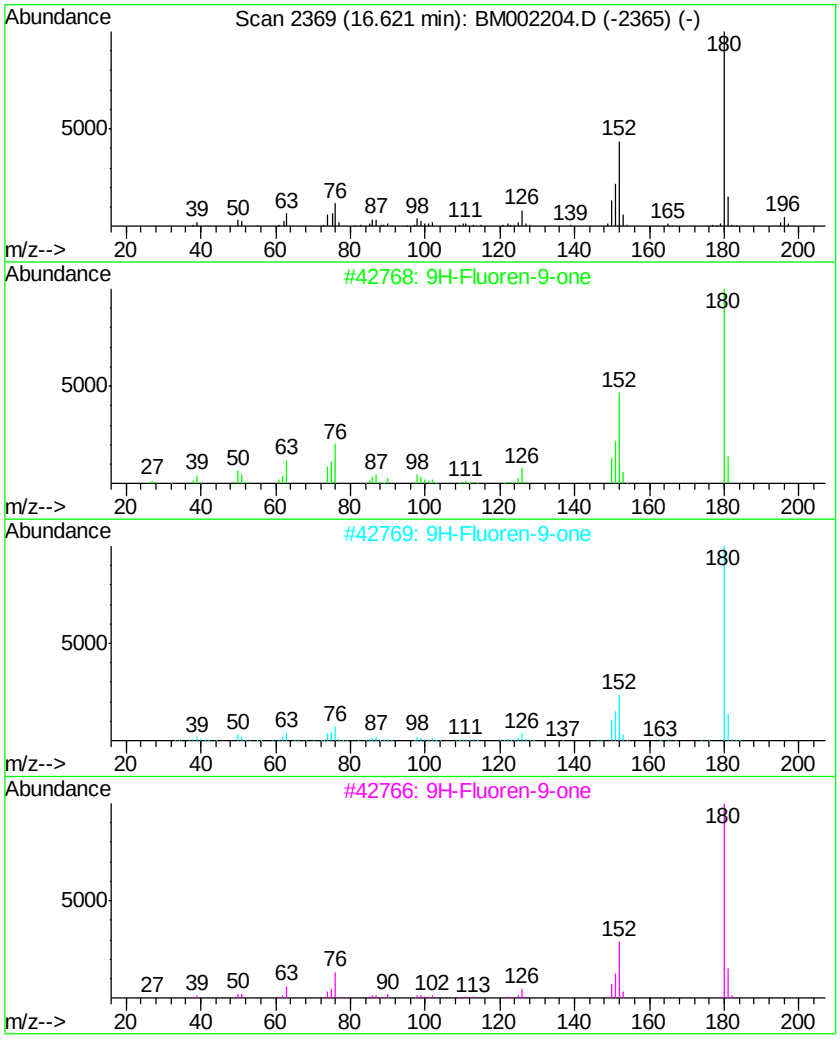
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

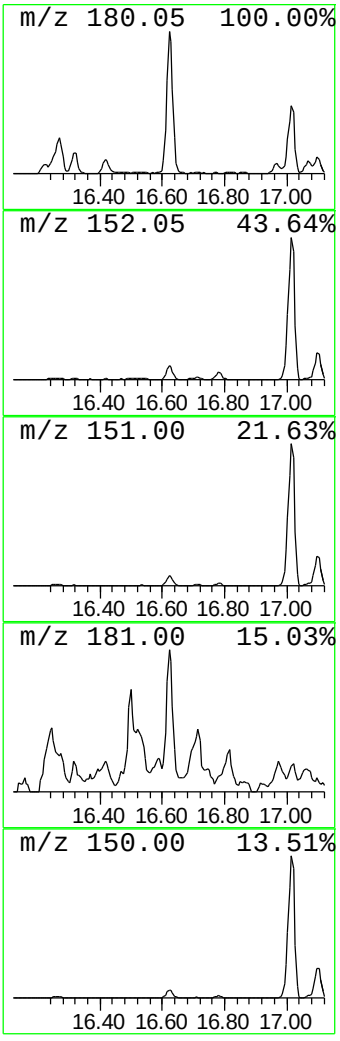
****

Peak Number 2 9H-Fluoren-9-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.62	3.10 ng/ul	218956	Phenanthrene-d10	16.97

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	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002204.D
Acq On : 03 Aug 2015 19:12
Operator : TP/UM
Sample : G3095-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

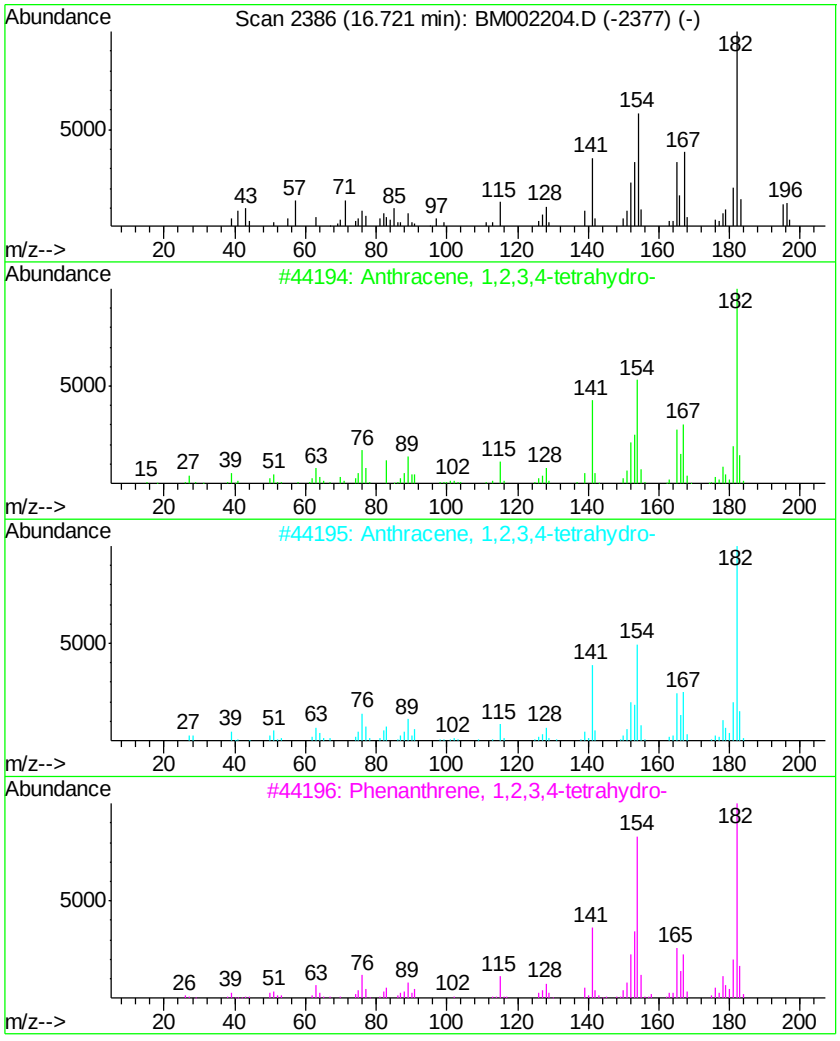
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

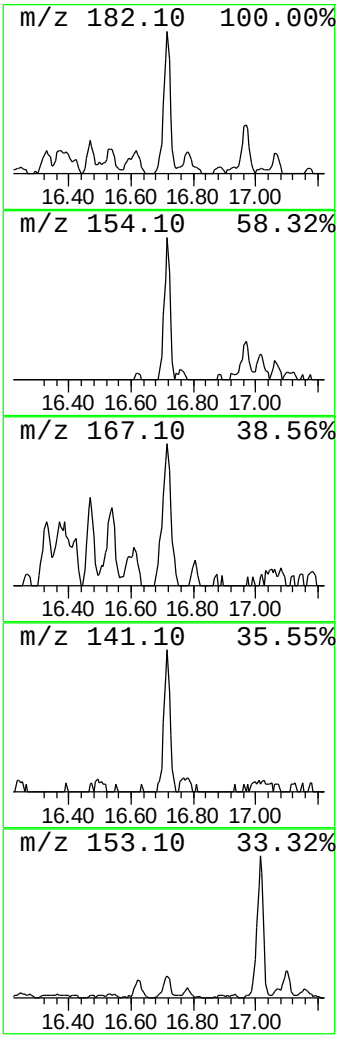
****

Peak Number 3 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	2.68 ng/ul	189561	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	97
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	91
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	89
4	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	70
5	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	50





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002204.D
Acq On : 03 Aug 2015 19:12
Operator : TP/UM
Sample : G3095-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

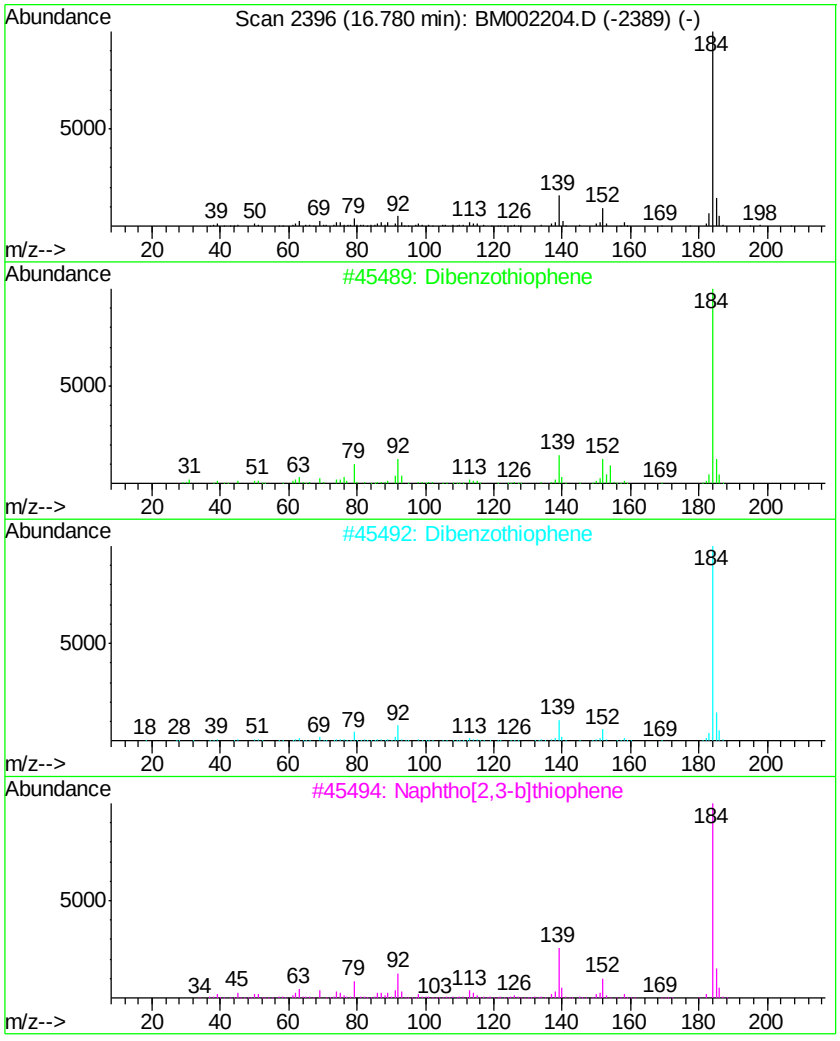
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

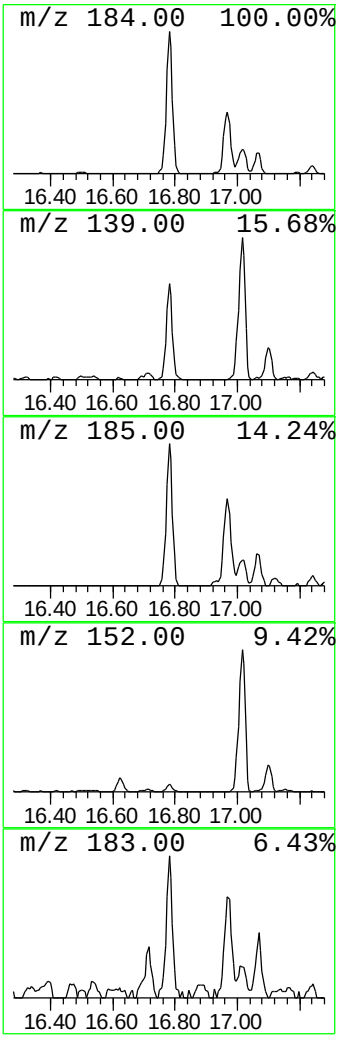
****

Peak Number 4 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.78	5.56 ng/ul	393207	Phenanthrene-d10	16.97

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





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002204.D
Acq On : 03 Aug 2015 19:12
Operator : TP/UM
Sample : G3095-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

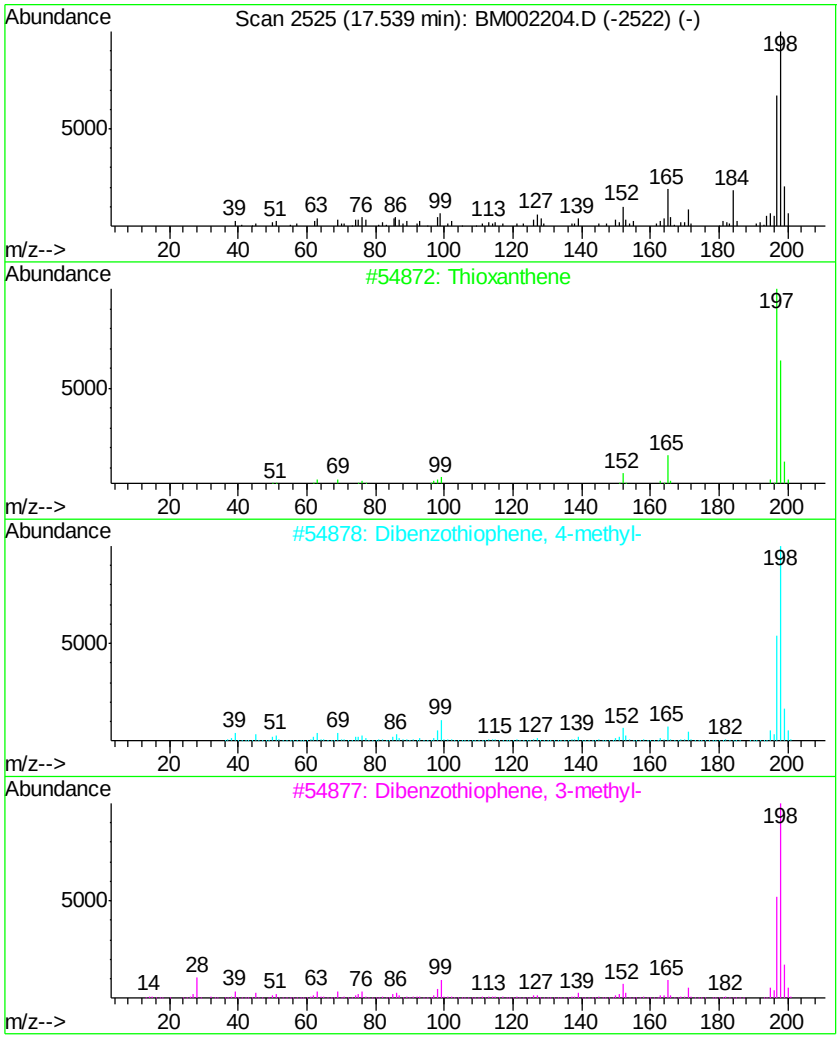
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

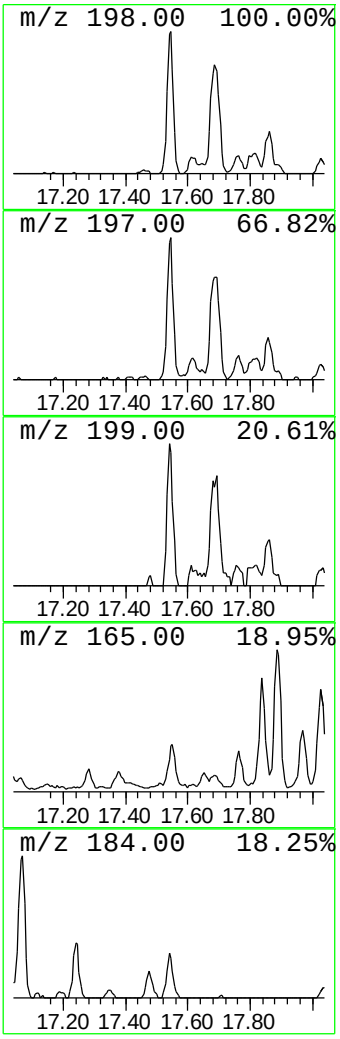
****

Peak Number 5 Thioxanthene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.54	2.85 ng/ul	201197	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thioxanthene	198	C13H10S	000261-31-4	91
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	81
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	76
4	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	53
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	53





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Acq On : 03 Aug 2015 19:12
Operator : TP/UM
Sample : G3095-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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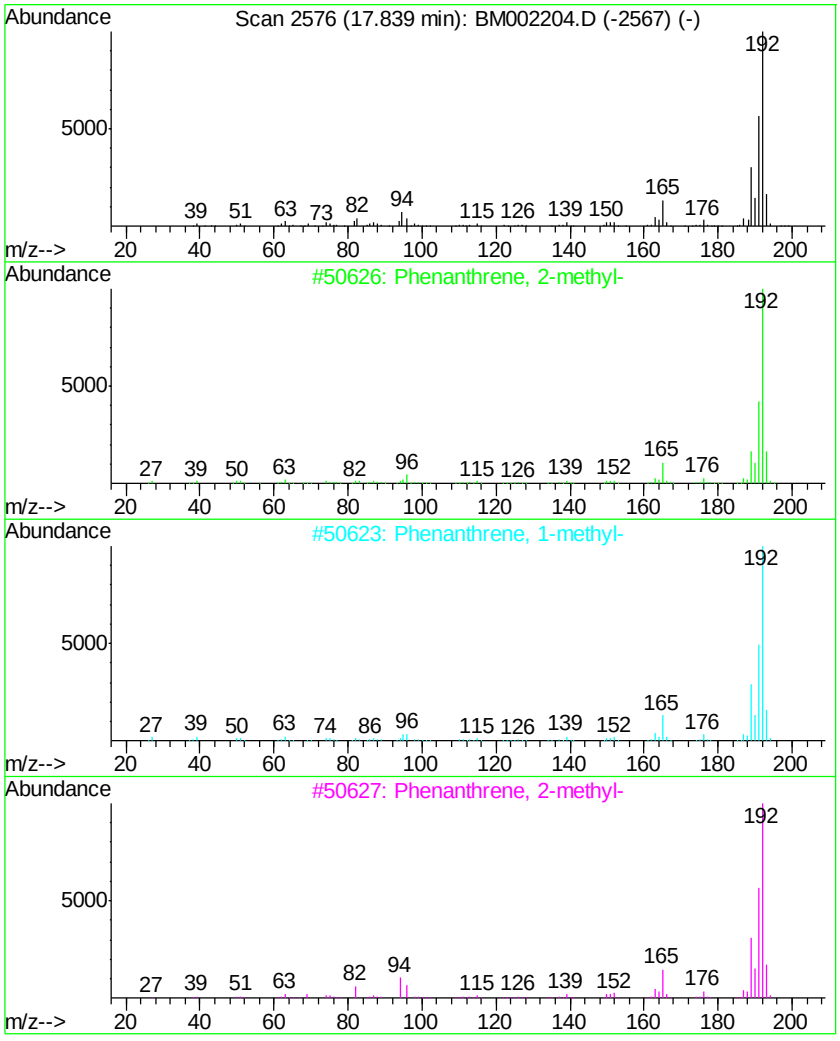
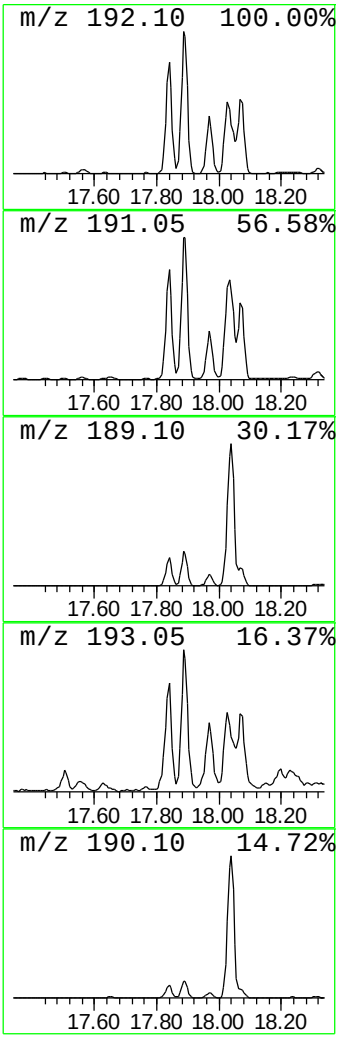
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.84	9.71 ng/ul	685815	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, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





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Sample : G3095-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S2

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Quant Title : SVOA CALIBRATION

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

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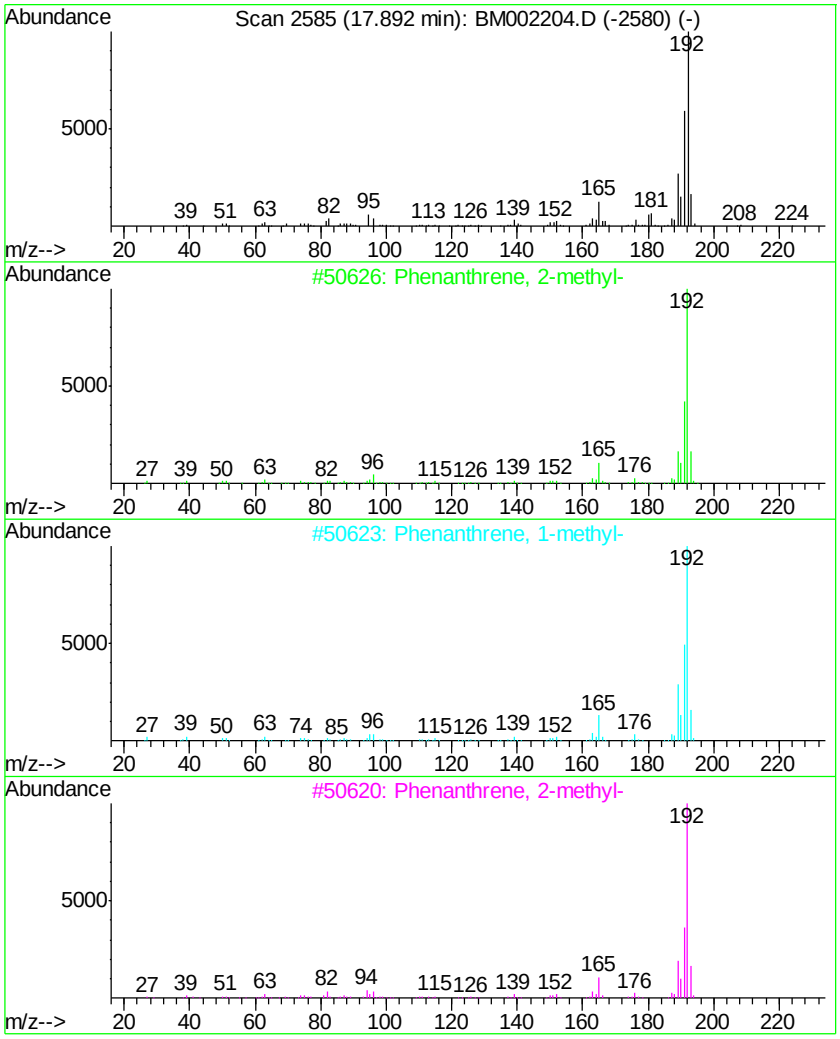
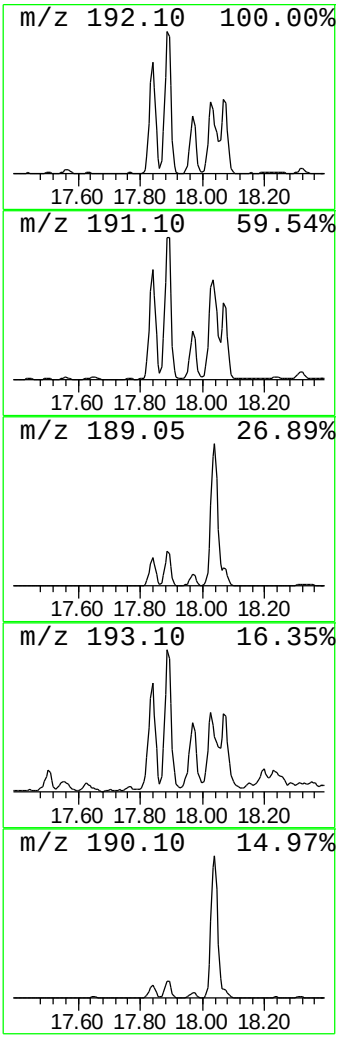
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	12.51 ng/ul	884045	Phenanthrene-d10	16.97

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





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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

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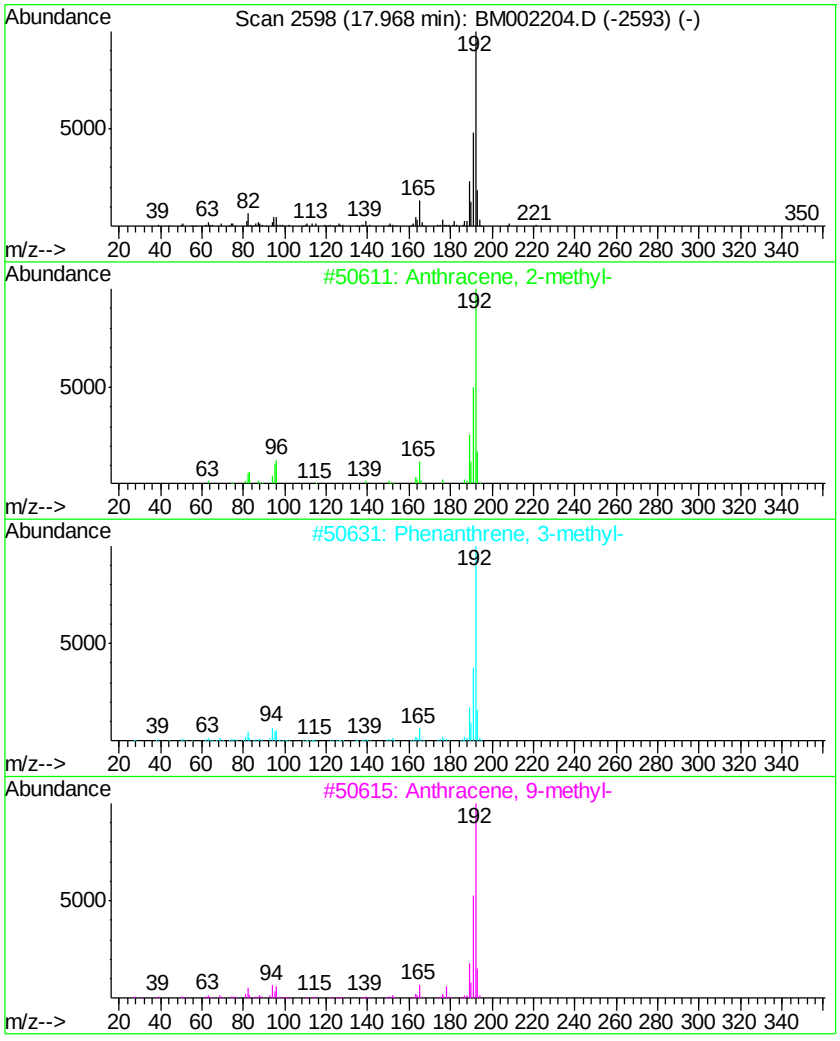
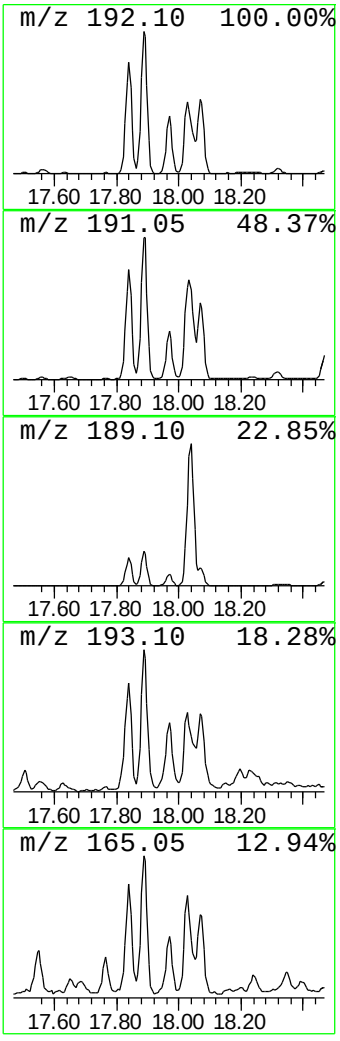
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	4.40 ng/ul	310903	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





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Sample : G3095-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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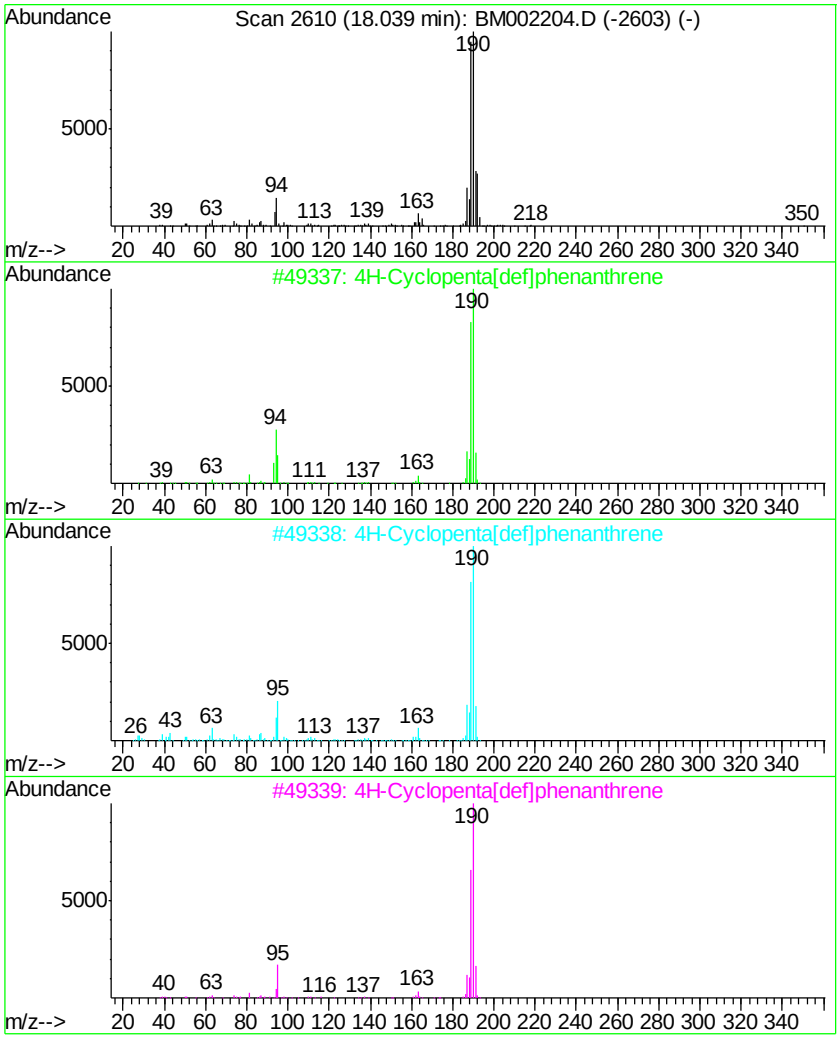
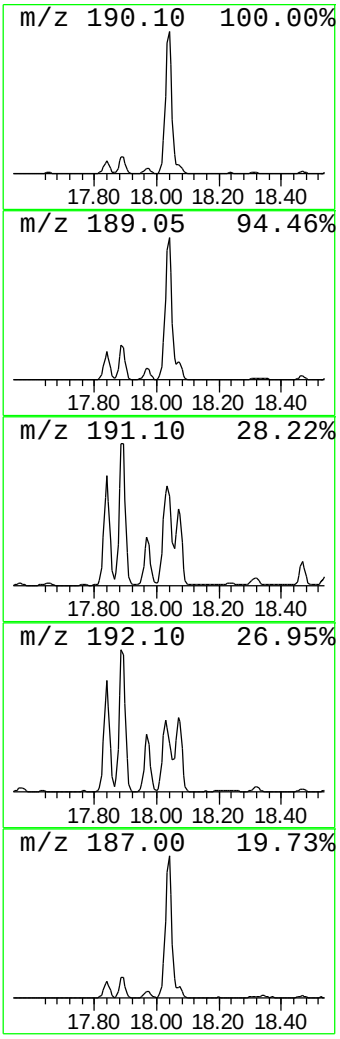
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	21.85 ng/ul	1543700	Phenanthrene-d10	16.97

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	70
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47





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Sample : G3095-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S2

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Quant Title : SVOA CALIBRATION

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

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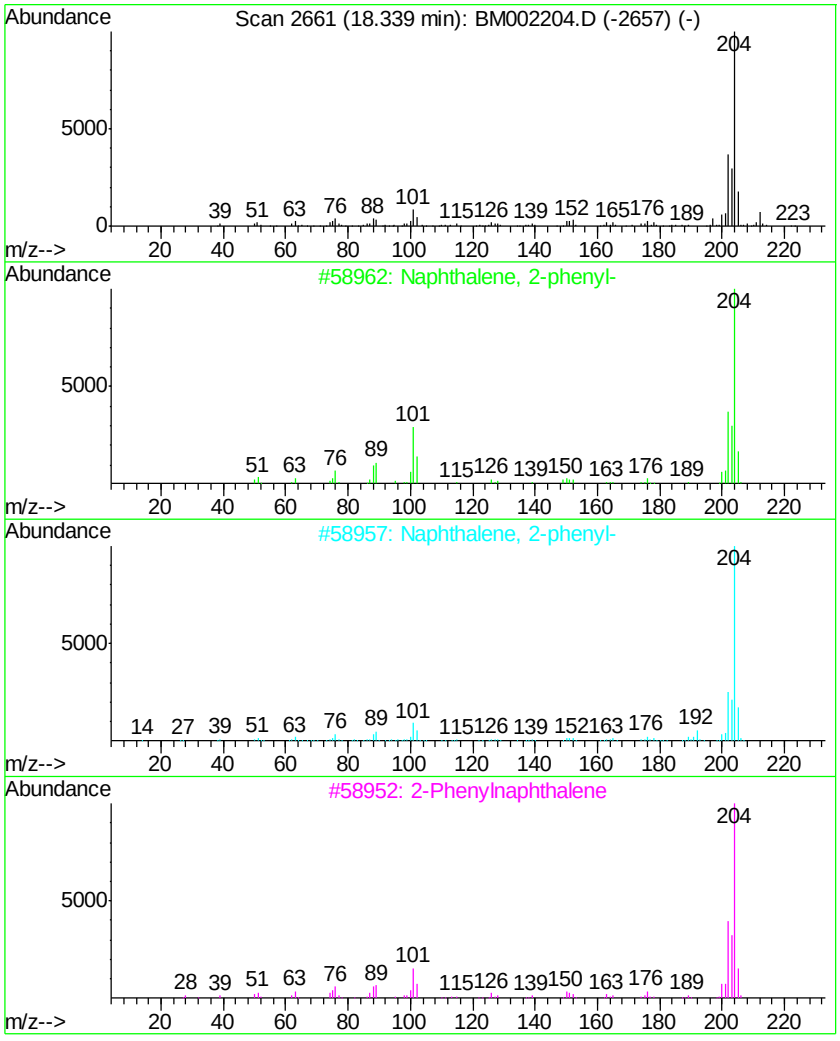
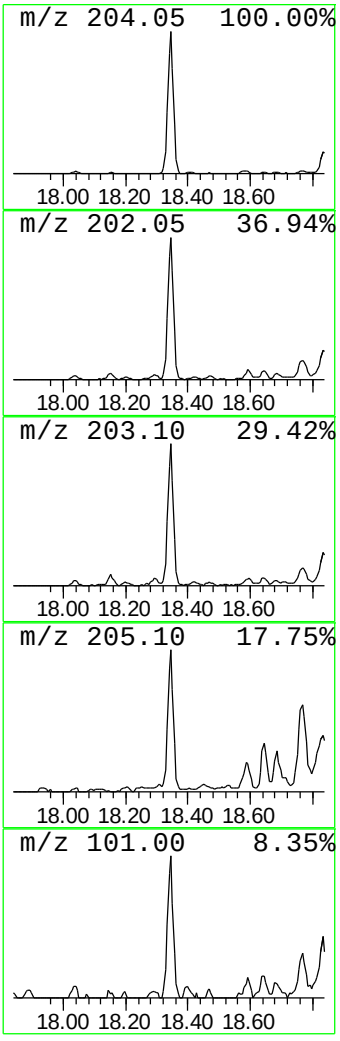
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	8.31 ng/ul	587059	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	76
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74





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Sample : G3095-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S2

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Quant Title : SVOA CALIBRATION

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

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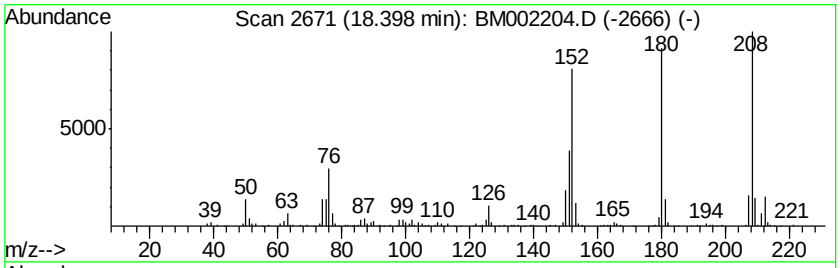
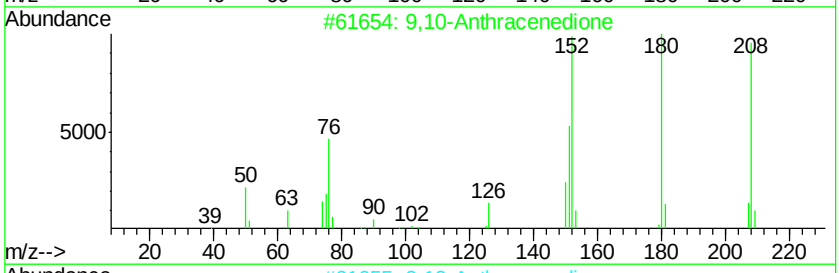
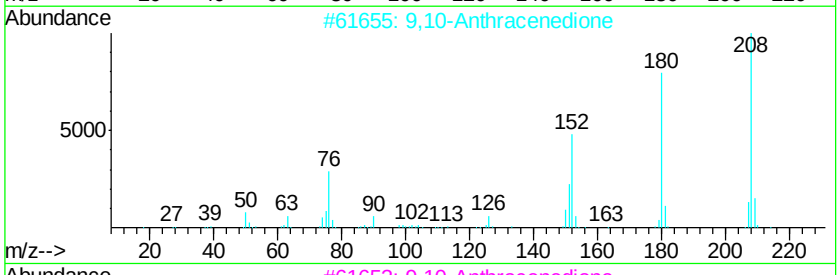
Peak Number 12 9,10-Anthracenedione Concentration Rank 9

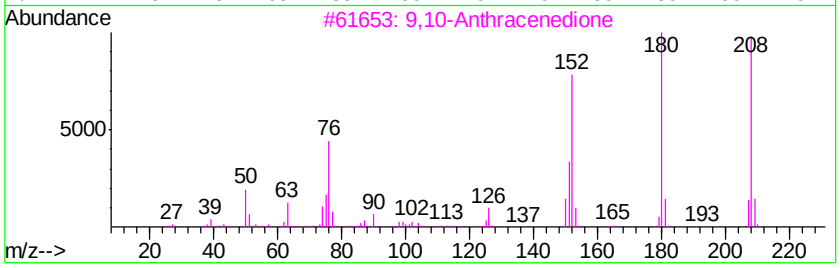
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	6.24 ng/ul	440967	Phenanthrene-d10	16.97

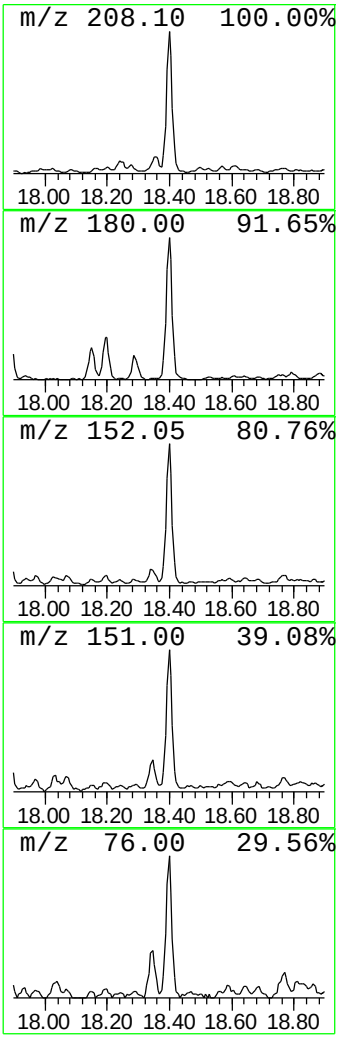
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	78











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Acq On : 03 Aug 2015 19:12
Operator : TP/UM
Sample : G3095-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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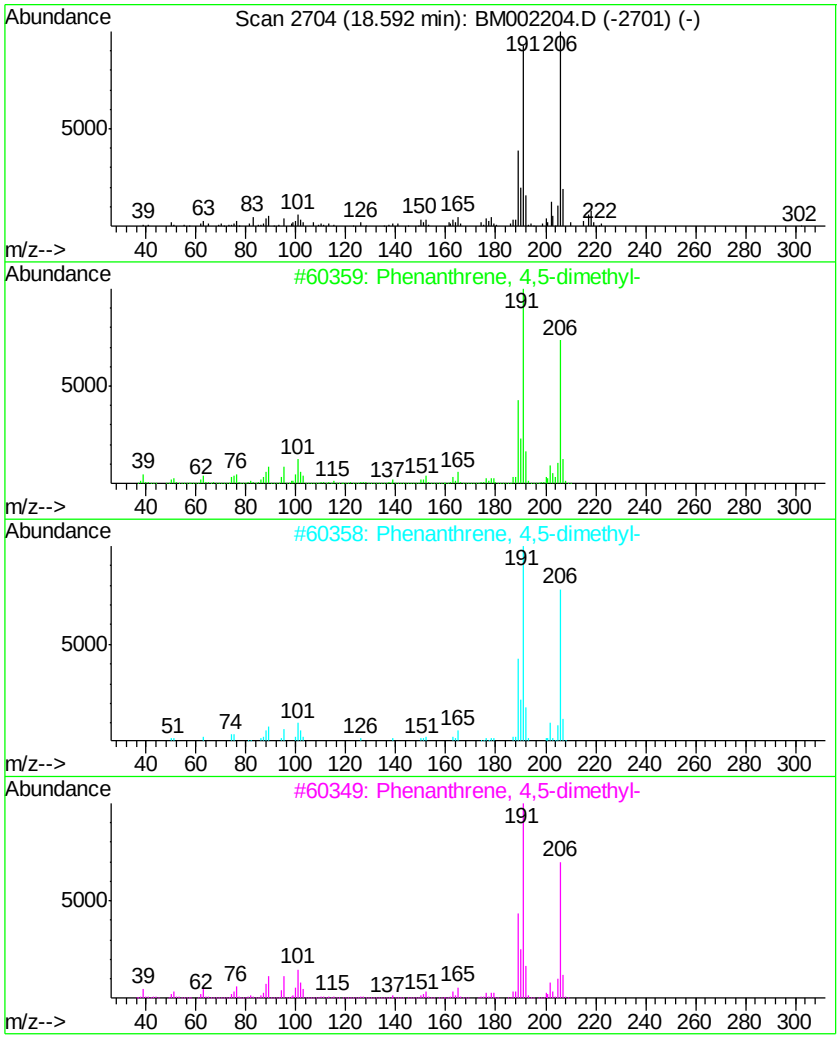
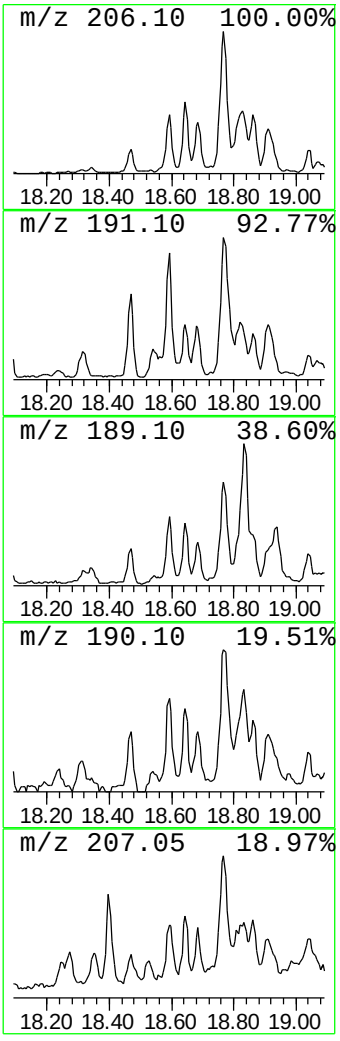
Peak Number 13 Phenanthrene, 4,5-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	2.20 ng/ul	155410	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	96
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	96
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	95
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





Library Search Compound Report

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Operator : TP/UM
Sample : G3095-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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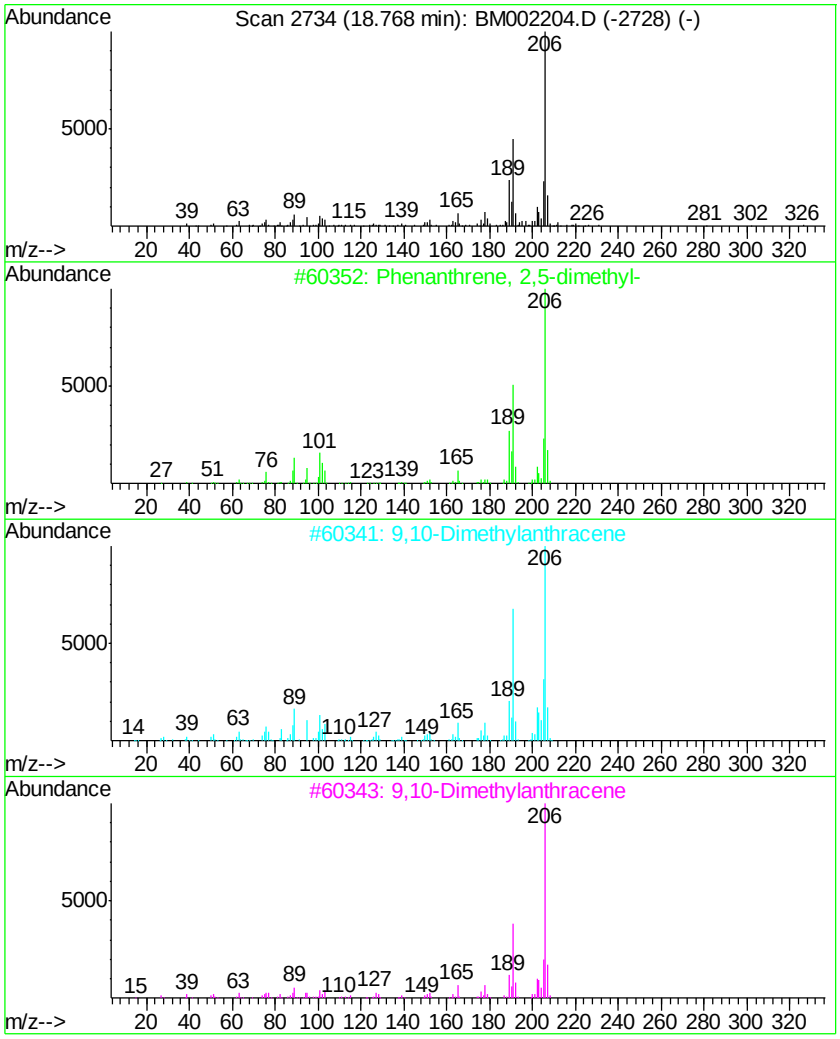
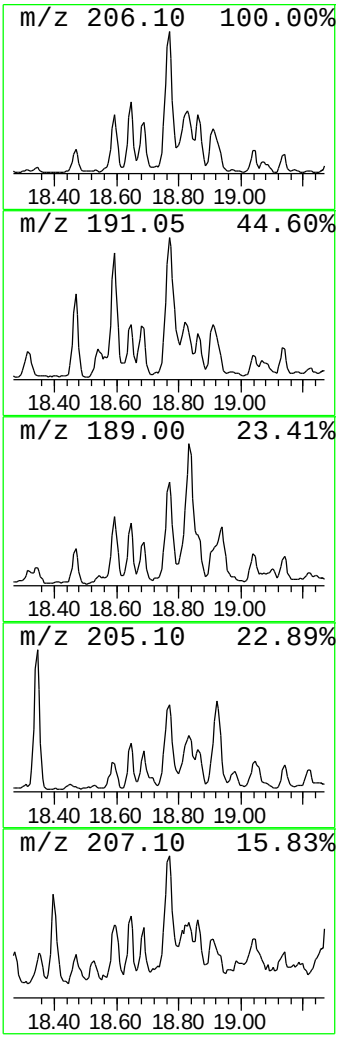
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	6.61 ng/ul	467023	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	92
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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Sample : G3095-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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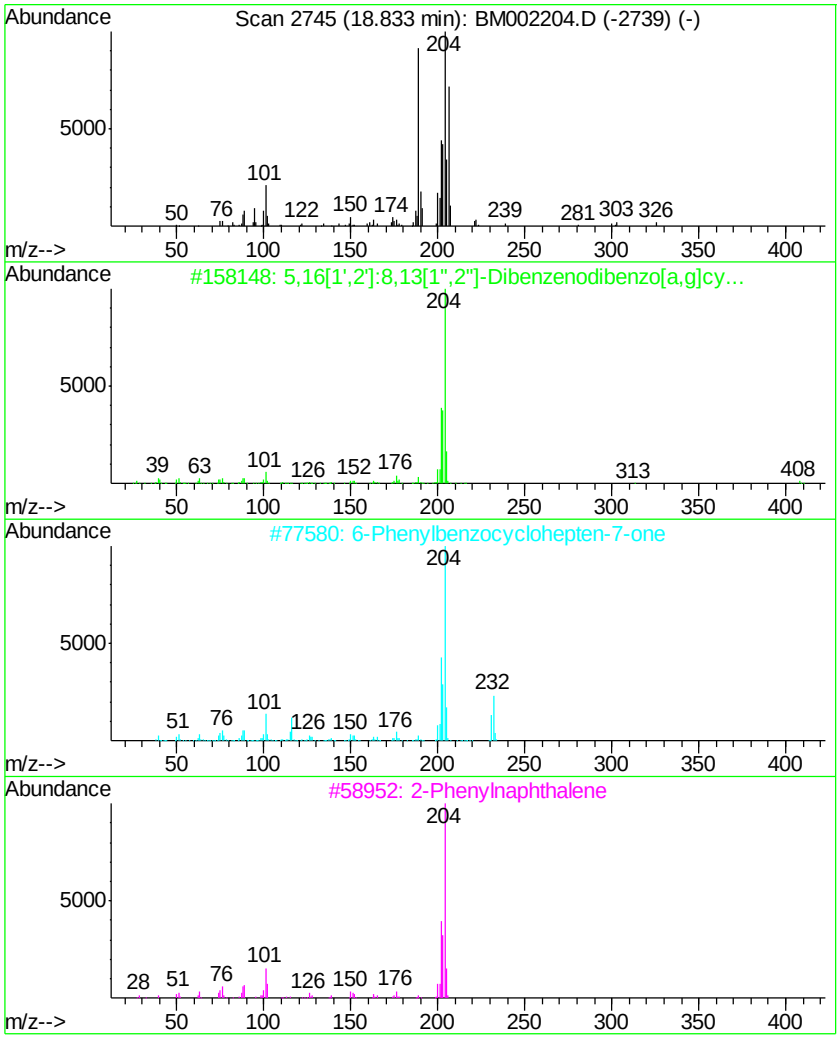
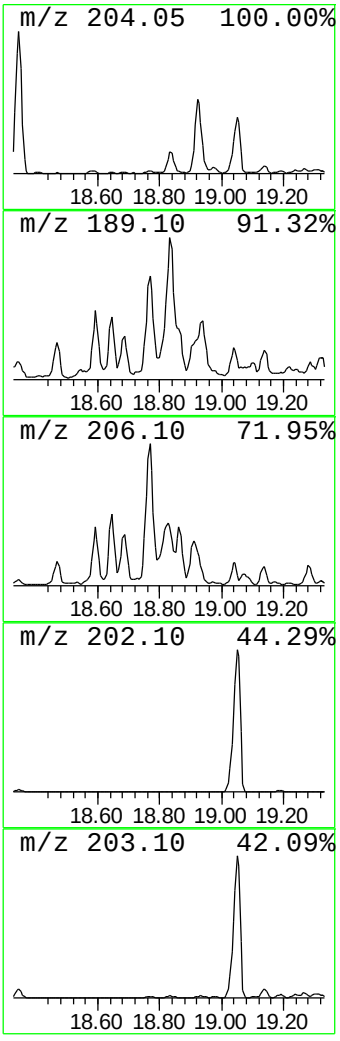
Peak Number 15 unknown-01 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	3.41 ng/ul	241109	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	47
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	47
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	46
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	46
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38





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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S2

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Quant Title : SVOA CALIBRATION

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

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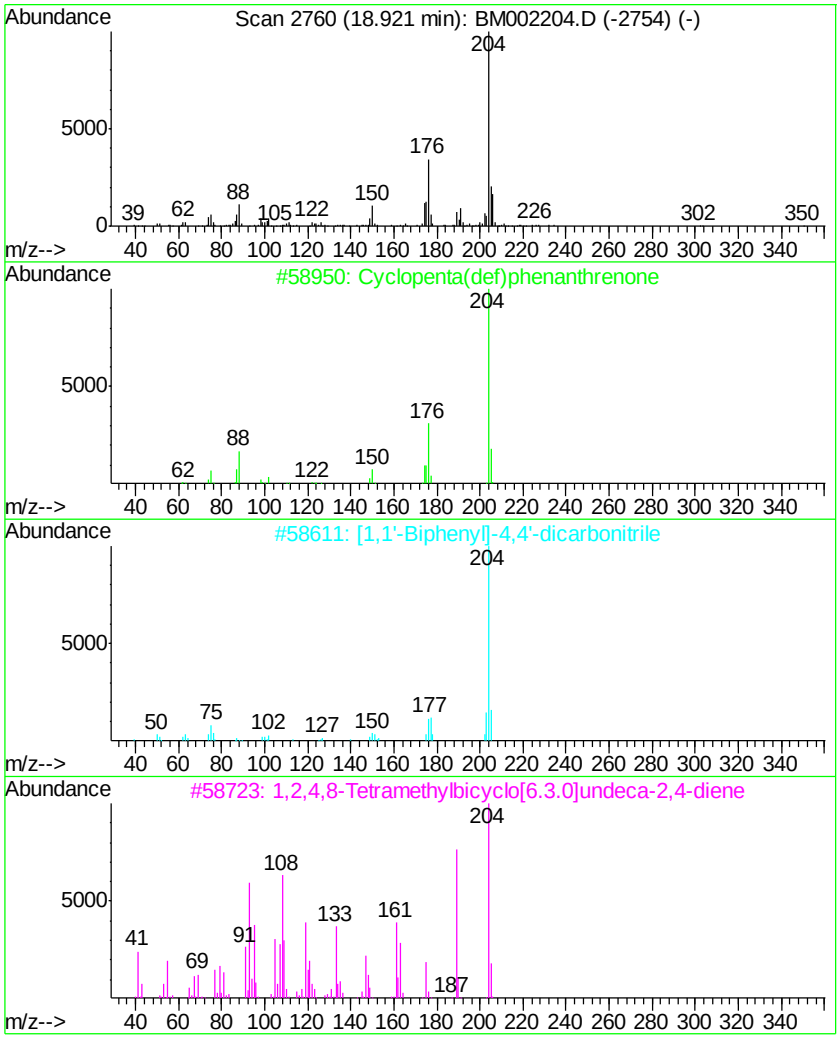
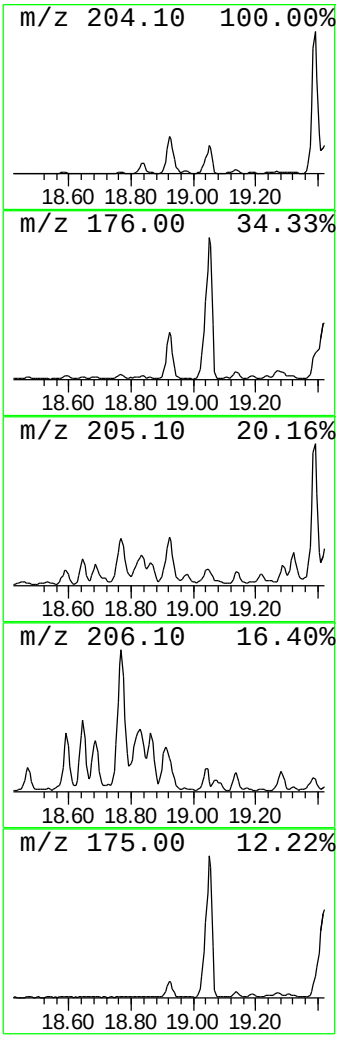
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.92	7.18 ng/ul	507064	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	53
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
5	Benzo[1,2-b:4,3-b']dithiophene, ...	204	C11H8S2	013640-86-3	47





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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S2

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Quant Title : SVOA CALIBRATION

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

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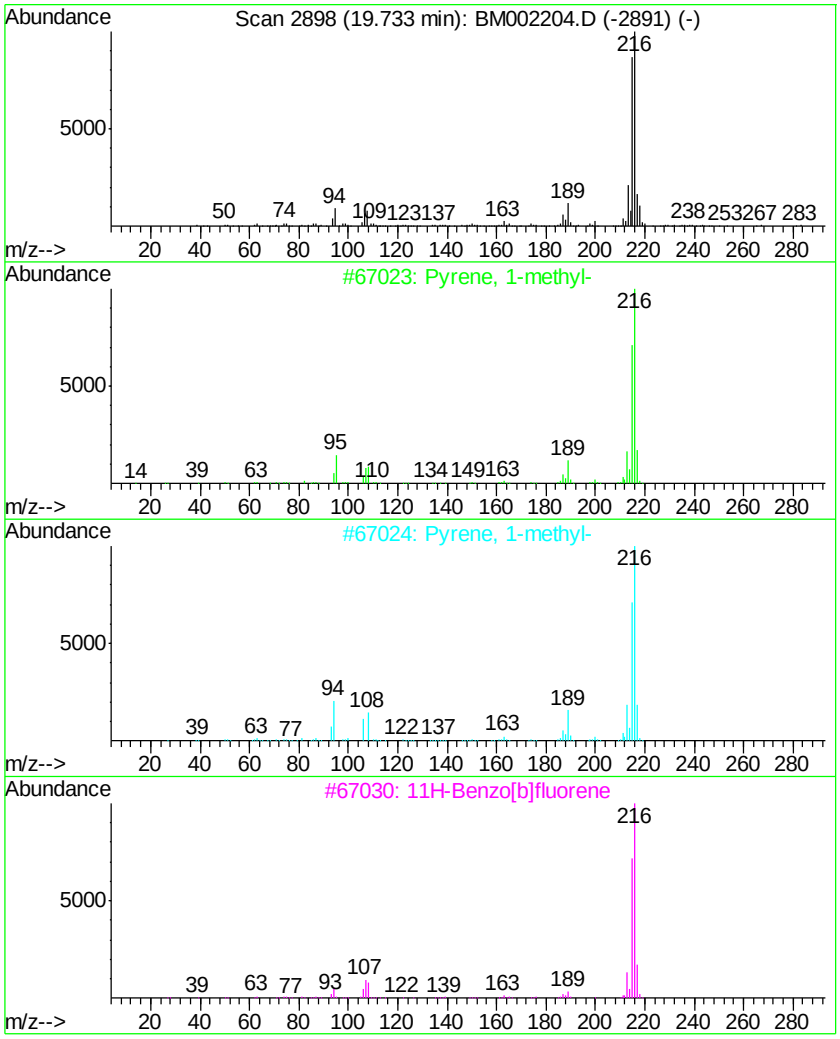
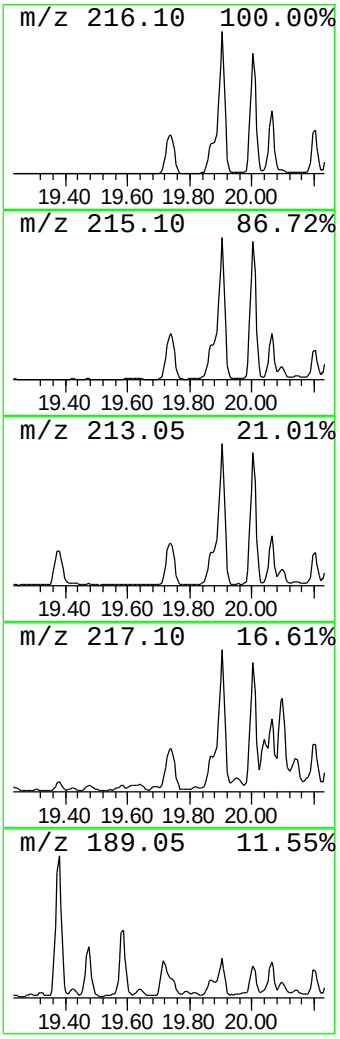
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.73	2.31 ng/ul	990500	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002204.D
Acq On : 03 Aug 2015 19:12
Operator : TP/UM
Sample : G3095-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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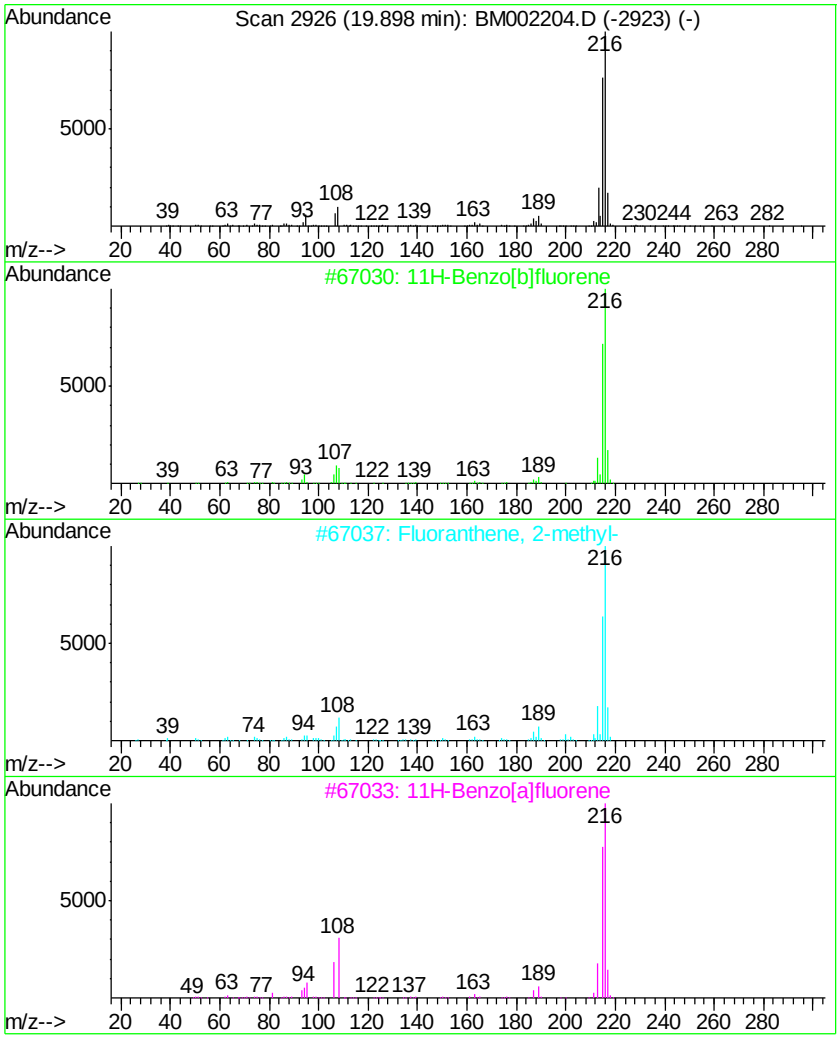
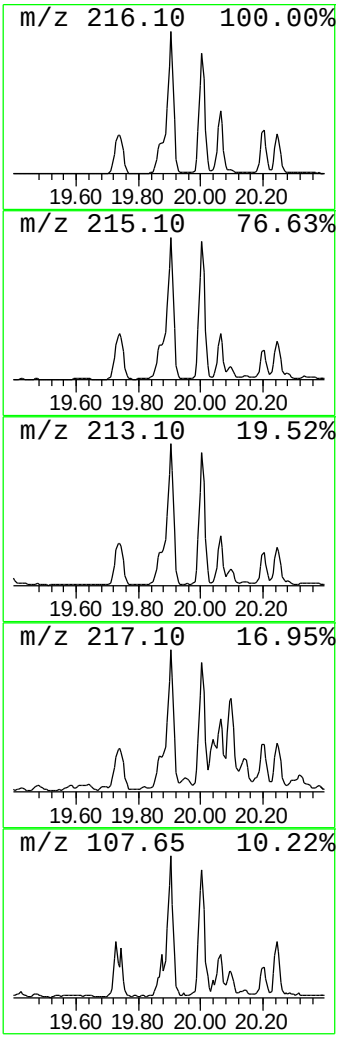
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.90	3.56 ng/ul	1527260	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





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Acq On : 03 Aug 2015 19:12
Operator : TP/UM
Sample : G3095-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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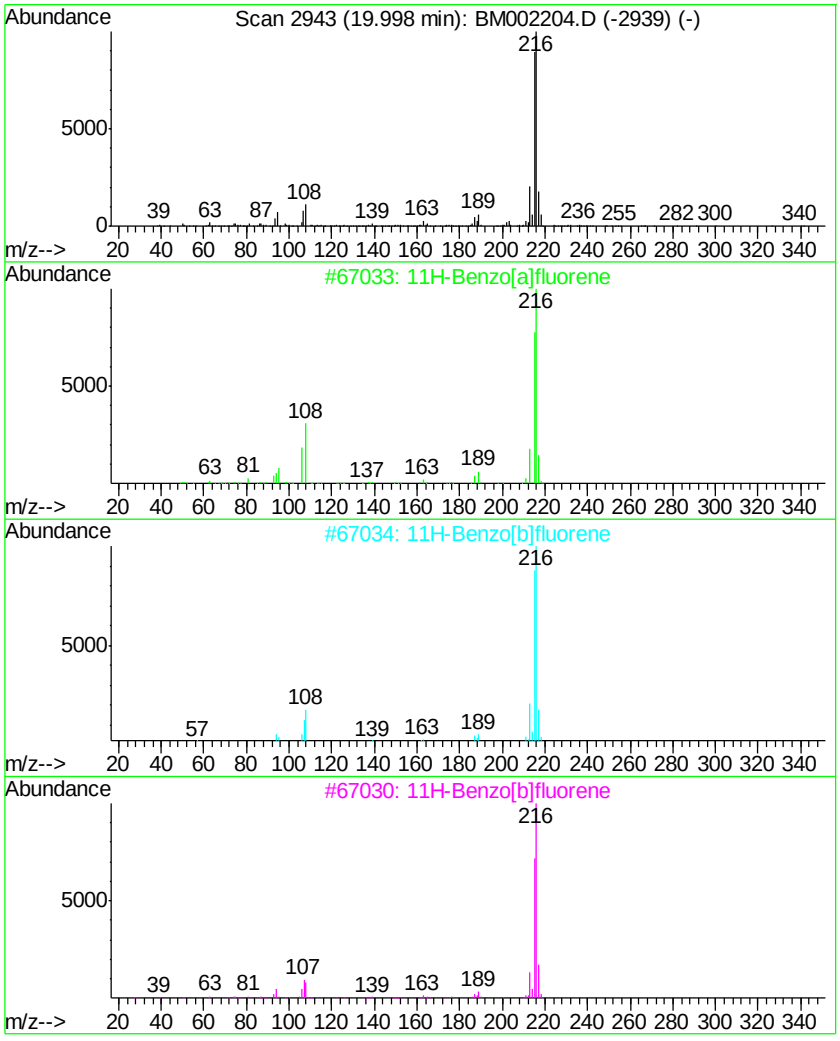
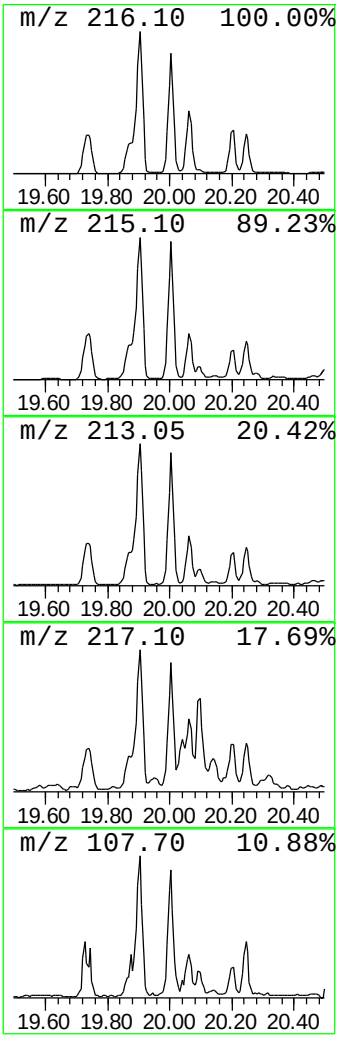
Peak Number 19 11H-Benzo[a]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	2.90 ng/ul	1247010	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





Library Search Compound Report

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Data File : BM002204.D
Acq On : 03 Aug 2015 19:12
Operator : TP/UM
Sample : G3095-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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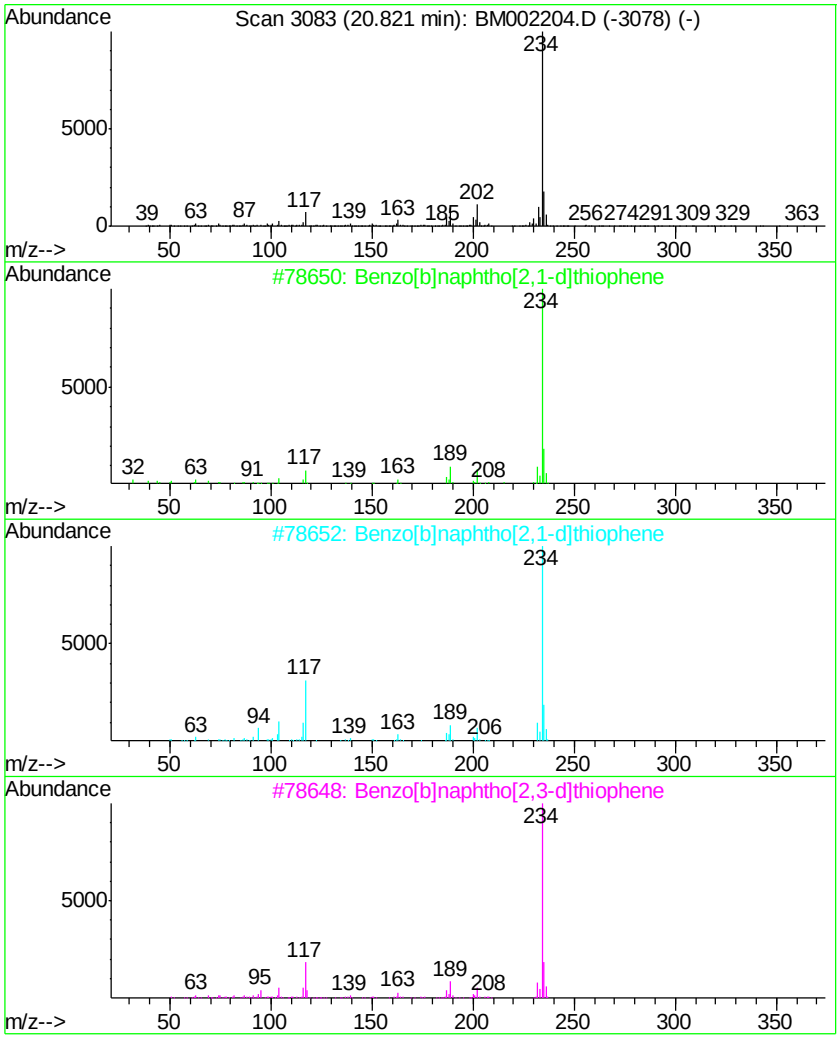
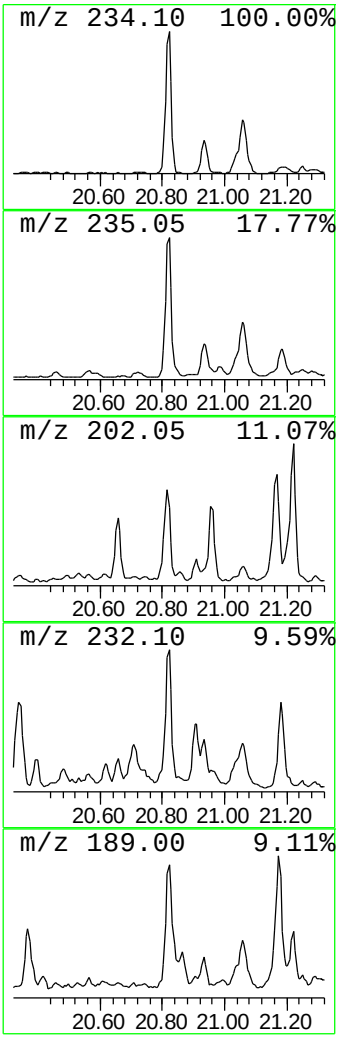
Peak Number 20 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.82	2.42 ng/ul	1038400	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	81





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Data File : BM002204.D
Acq On : 03 Aug 2015 19:12
Operator : TP/UM
Sample : G3095-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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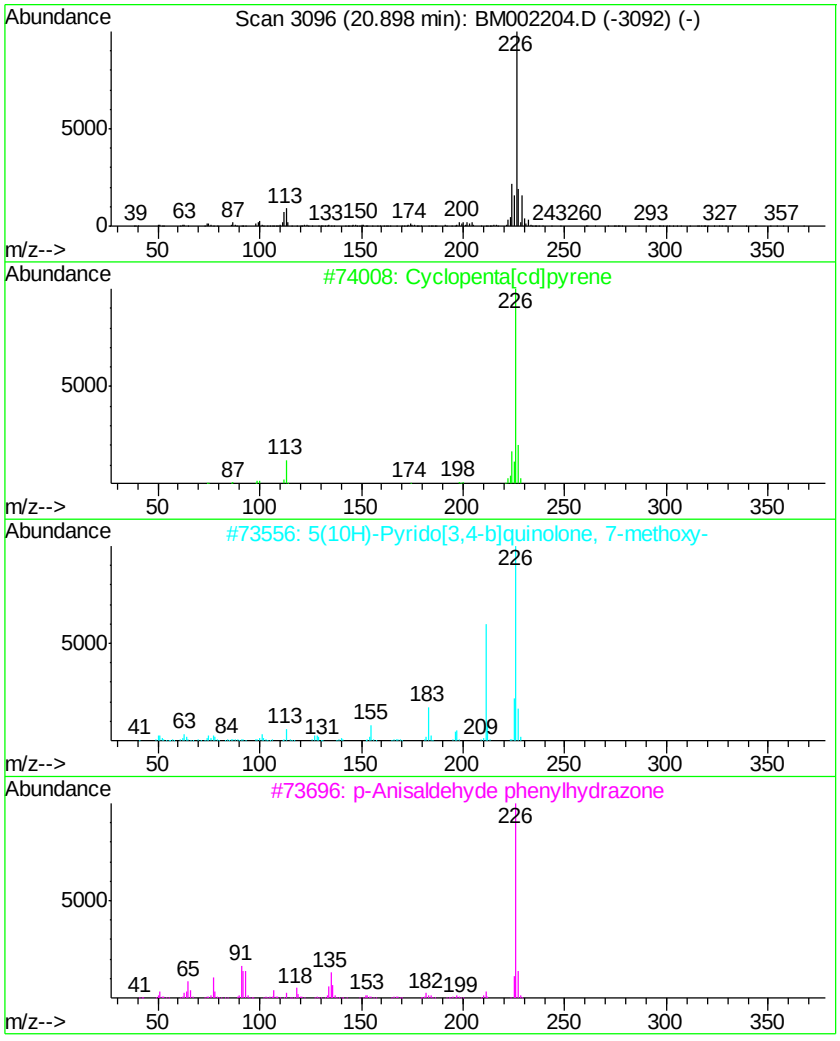
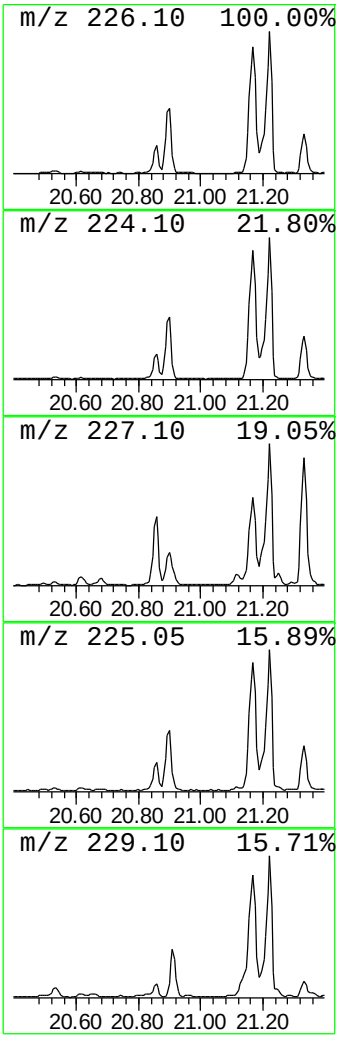
Peak Number 21 Cyclopenta[cd]pyrene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.90	2.63 ng/ul	1129800	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	70
2	5(10H)-Pyrido[3,4-b]quinolone, 7...	226	C13H10N2O2	1000256-99-5	53
3	p-Anisaldehyde phenylhydrazone	226	C14H14N2O	000622-73-1	52
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	50
5	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	50





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Data File : BM002204.D
Acq On : 03 Aug 2015 19:12
Operator : TP/UM
Sample : G3095-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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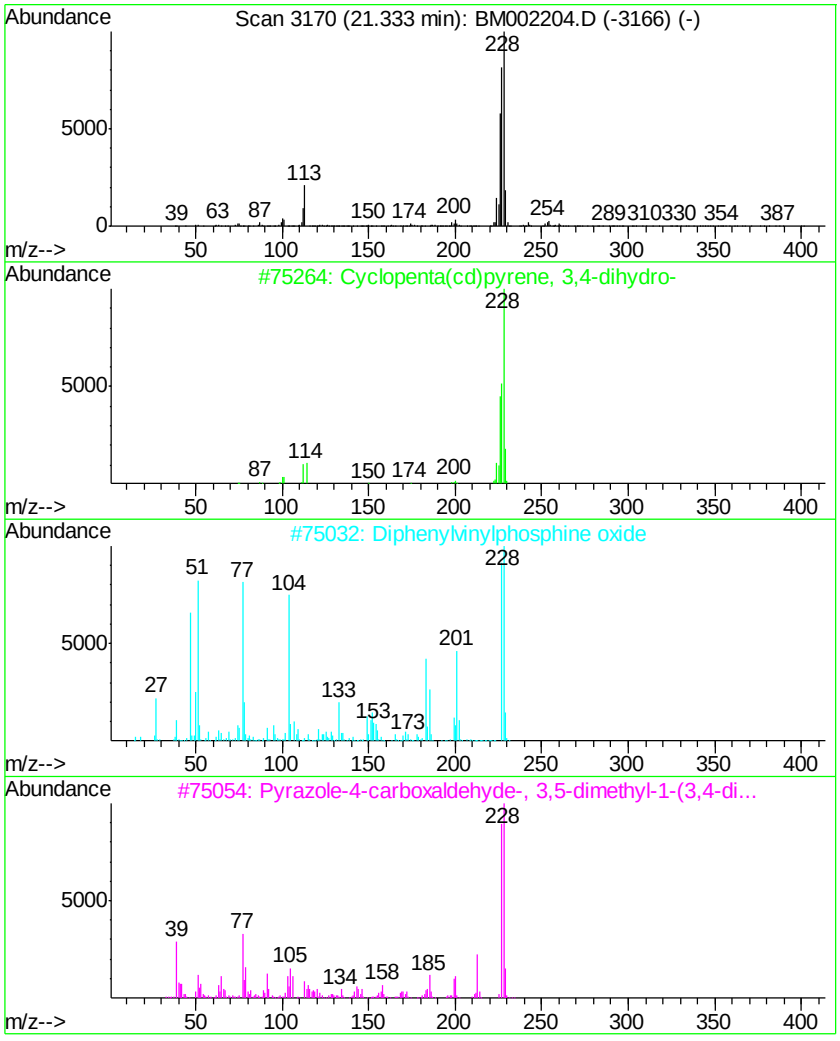
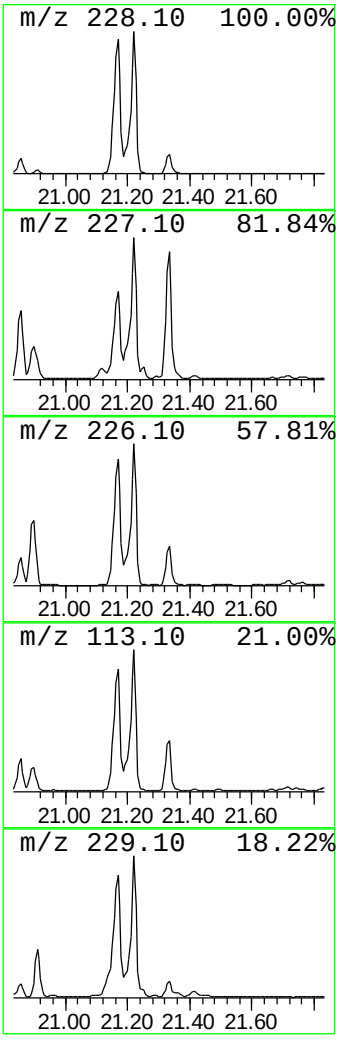
Peak Number 22 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.33	2.72 ng/ul	1169280	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	91
2	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	50
3	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	47
5	Triphenylene	228	C18H12	000217-59-4	43





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002204.D
Acq On : 03 Aug 2015 19:12
Operator : TP/UM
Sample : G3095-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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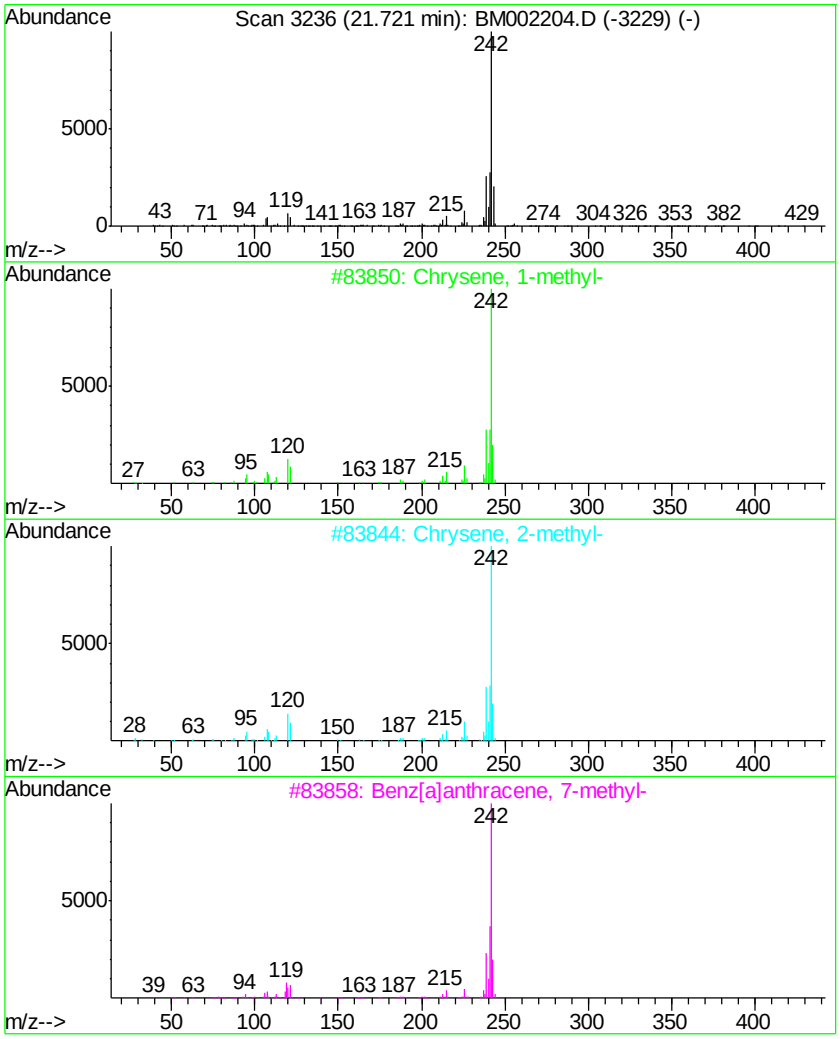
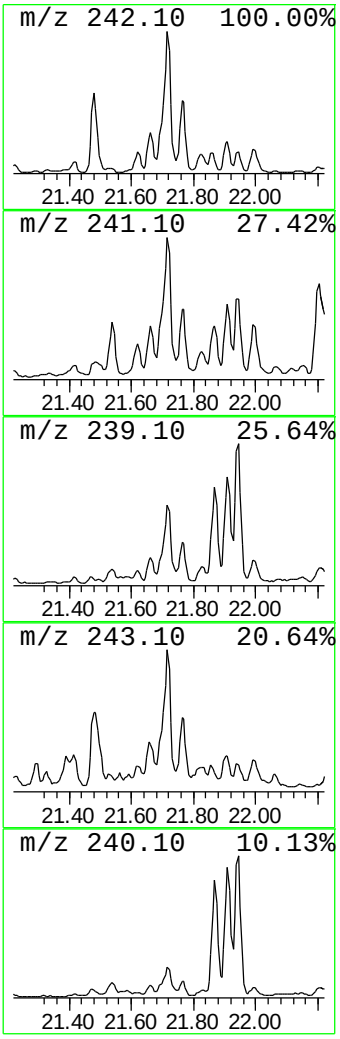
Peak Number 23 Chrysene, 1-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.72	2.19 ng/ul	942549	Chrysene-d12	21.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	96
2	Chrysene, 2-methyl-	242	C19H14	003351-32-4	95
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93





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Data File : BM002204.D
Acq On : 03 Aug 2015 19:12
Operator : TP/UM
Sample : G3095-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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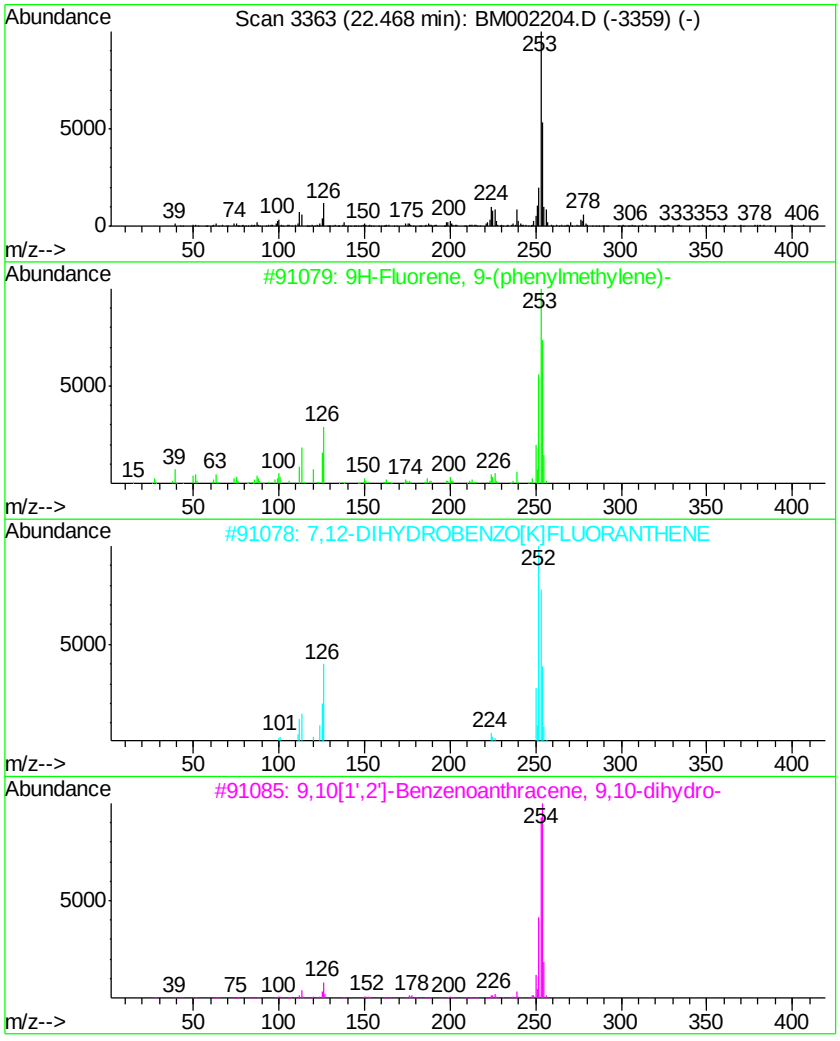
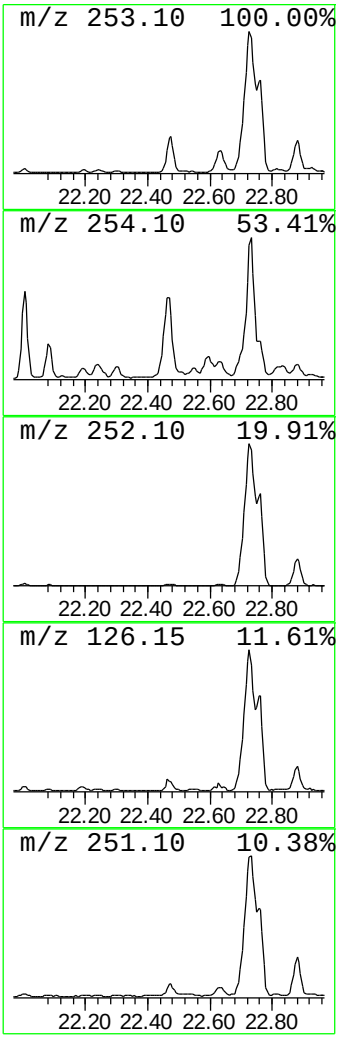
Peak Number 24 9H-Fluorene, 9-(phenylmethy... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.47	6.38 ng/ul	386082	Perylene-d12	23.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	72
2	7,12-DIHYDROBENZO[K]FLUORANTHENE	254	C20H14	1000080-17-7	64
3	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	60
4	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	59
5	Carbamate, N-(2-naphthyl)-, 3-pe...	253	C16H15NO2	1000197-96-0	49





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Operator : TP/UM
Sample : G3095-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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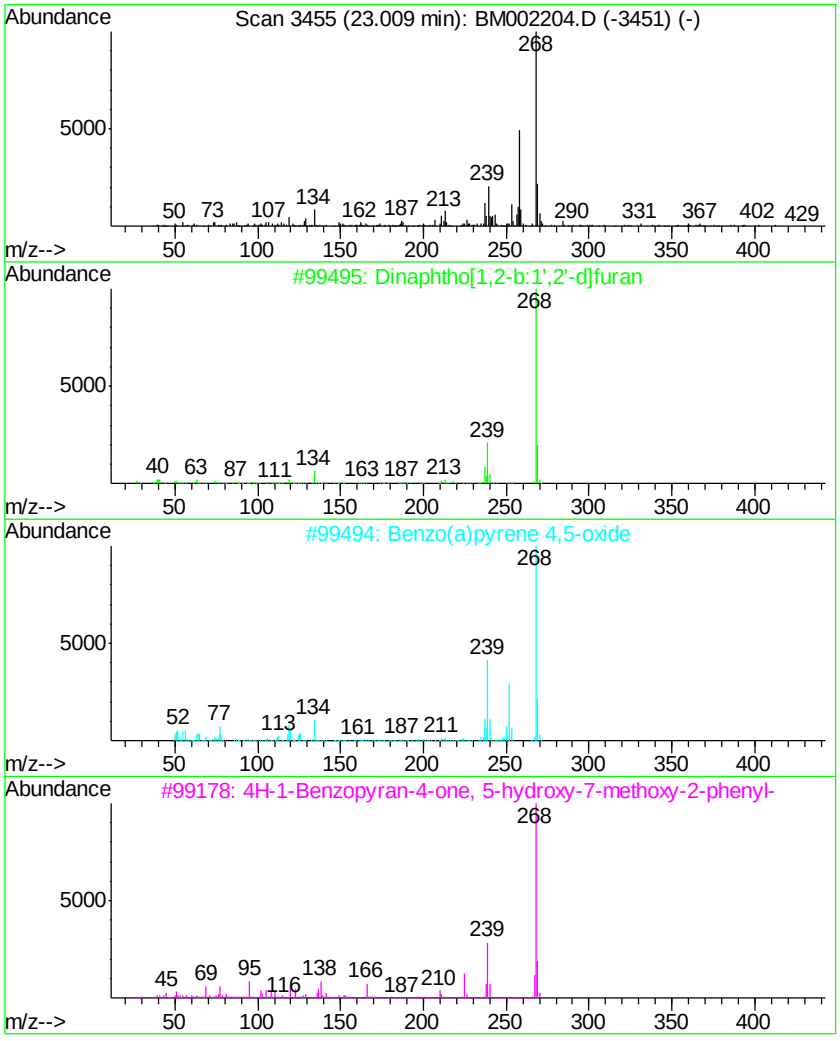
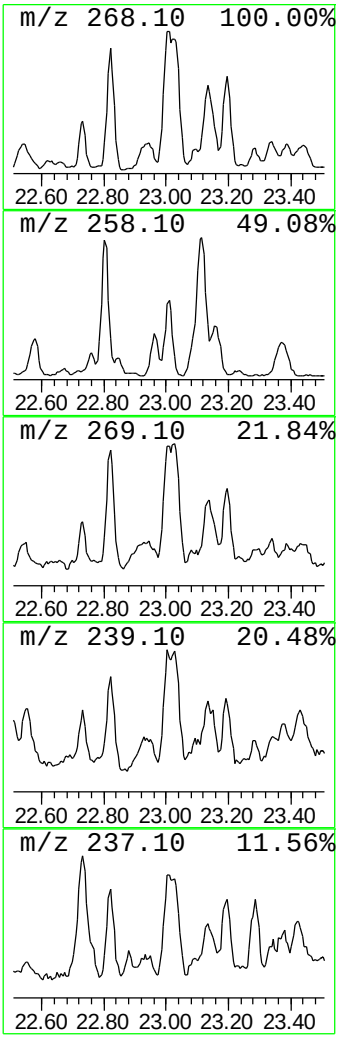
Peak Number 26 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.01	6.22 ng/ul	376465	Perylene-d12	23.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	92
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	53
3	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	50
4	9,10-Anthracenedione, 2,3-dimeth...	268	C16H12O4	022506-55-4	47
5	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002204.D
Acq On : 03 Aug 2015 19:12
Operator : TP/UM
Sample : G3095-11
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.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
9H-Fluorene, 2-me...	16.27	2.5	ng/ul	174548	4	16.97	1413240	20.0
9H-Fluoren-9-one	16.62	3.1	ng/ul	218956	4	16.97	1413240	20.0
Anthracene, 1,2,3...	16.72	2.7	ng/ul	189561	4	16.97	1413240	20.0
Dibenzothiophene	16.78	5.6	ng/ul	393207	4	16.97	1413240	20.0
Thioxanthene	17.54	2.9	ng/ul	201197	4	16.97	1413240	20.0
Phenanthrene, 2-m...	17.84	9.7	ng/ul	685815	4	16.97	1413240	20.0
Phenanthrene, 1-m...	17.89	12.5	ng/ul	884045	4	16.97	1413240	20.0
Anthracene, 2-met...	17.97	4.4	ng/ul	310903	4	16.97	1413240	20.0
4H-Cyclopenta[def...	18.04	21.9	ng/ul	1543700	4	16.97	1413240	20.0
Naphthalene, 2-ph...	18.34	8.3	ng/ul	587059	4	16.97	1413240	20.0
9,10-Anthracenedione	18.40	6.2	ng/ul	440967	4	16.97	1413240	20.0
Phenanthrene, 4,5...	18.59	2.2	ng/ul	155410	4	16.97	1413240	20.0
Phenanthrene, 2,5...	18.77	6.6	ng/ul	467023	4	16.97	1413240	20.0
unknown-01	18.83	3.4	ng/ul	241109	4	16.97	1413240	20.0
Cyclopenta(def)ph...	18.92	7.2	ng/ul	507064	4	16.97	1413240	20.0
Pyrene, 1-methyl-	19.73	2.3	ng/ul	990500	5	21.18	8590750	20.0
11H-Benzo[b]fluorene	19.90	3.6	ng/ul	1527260	5	21.18	8590750	20.0
11H-Benzo[a]fluorene	20.00	2.9	ng/ul	1247010	5	21.18	8590750	20.0
Benzo[b]naphtho[2...	20.82	2.4	ng/ul	1038400	5	21.18	8590750	20.0
Cyclopenta[cd]pyrene	20.90	2.6	ng/ul	1129800	5	21.18	8590750	20.0
Cyclopenta(cd)pyr...	21.33	2.7	ng/ul	1169280	5	21.18	8590750	20.0
Chrysene, 1-methyl-	21.72	2.2	ng/ul	942549	5	21.18	8590750	20.0
9H-Fluorene, 9-(p...	22.47	6.4	ng/ul	386082	6	23.37	1210580	20.0
Dinaphtho[1,2-b:1...	23.01	6.2	ng/ul	376465	6	23.37	1210580	20.0