LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025238.D
Acq On : 16 Dec 2016 8:23
Operator : UM/SJ
Sample : H5860-13
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA8E0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.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	2.893	7	9	16	rVB4	25921	38175	0.51%	0.052%
2	3.146	49	52	62	rVB6	12570	32139	0.43%	0.043%
3	3.269	69	73	82	rBV4	25388	45722	0.61%	0.062%
4	3.358	84	88	94	rVB7	13233	20991	0.28%	0.028%
5	4.127	213	219	226	rVB3	26618	47524	0.63%	0.064%
6	5.302	412	419	427	rBV2	16219	30706	0.41%	0.042%
7	5.390	427	434	439	rVB5	9856	15994	0.21%	0.022%
8	7.394	768	775	790	rBV2	278577	616629	8.22%	0.834%
9	7.547	794	801	810	rBV	187764	338504	4.51%	0.458%
10	7.770	830	839	853	rVB	259494	501268	6.68%	0.678%
11	8.234	910	918	929	rBV2	313973	582840	7.77%	0.788%
12	8.945	1031	1039	1050	rBV2	343592	653360	8.71%	0.883%
13	9.415	1110	1119	1129	rBV	285979	561248	7.48%	0.759%
14	9.486	1129	1131	1137	rVV7	9308	16958	0.23%	0.023%
15	10.144	1233	1243	1254	rBV2	253782	513512	6.84%	0.694%
16	10.690	1326	1336	1349	rBV2	353927	720846	9.60%	0.974%
17	11.066	1392	1400	1414	rBV	446417	855308	11.40%	1.156%
18	11.213	1414	1425	1442	rVV3	100068	250347	3.34%	0.338%
19	12.635	1662	1667	1672	rVB6	10325	18291	0.24%	0.025%
20	13.340	1778	1787	1795	rBV6	8444	32255	0.43%	0.044%
21	14.045	1901	1907	1910	rBV7	9842	21366	0.28%	0.029%
22	14.251	1935	1942	1947	rBV	706687	1064209	14.18%	1.439%
23	14.298	1947	1950	1959	rVB	152863	231661	3.09%	0.313%
24	14.556	1987	1994	2003	rBV	691748	1118930	14.91%	1.512%
25	14.697	2014	2018	2024	rBV6	14988	24789	0.33%	0.034%
26	14.856	2035	2045	2052	rBV	730942	1196205	15.94%	1.617%
27	14.926	2052	2057	2062	rVB3	42522	72611	0.97%	0.098%
28	15.003	2064	2070	2072	rBV7	9647	19410	0.26%	0.026%
29	15.079	2076	2083	2101	rBV	239513	518775	6.91%	0.701%
30	15.220	2103	2107	2110	rBV4	26032	37094	0.49%	0.050%
31	15.249	2110	2112	2119	rVB3	25292	35151	0.47%	0.048%
32	15.449	2140	2146	2149	rBV8	11251	24658	0.33%	0.033%
33	15.590	2165	2170	2176	rBV8	14640	37143	0.49%	0.050%
34	15.643	2176	2179	2184	rVB2	46794	56658	0.75%	0.077%

LSC Area Percent Report

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Data File : BG025238.D
Acq On : 16 Dec 2016 8:23
Operator : UM/SJ
Sample : H5860-13
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA8E0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Title : SVOA CALIBRATION

35	15.843	2203	2213	2220	rBV	931523	1532352	20.42%	2.071%
36	15.902	2220	2223	2228	rVB	50208	81298	1.08%	0.110%
37	15.978	2230	2236	2242	rBV2	333409	531463	7.08%	0.718%
38	16.084	2252	2254	2258	rVB5	15509	17232	0.23%	0.023%
39	16.190	2269	2272	2278	rVB6	21279	40669	0.54%	0.055%
40	16.331	2294	2296	2303	rVB8	25903	36525	0.49%	0.049%
41	16.507	2320	2326	2333	rBV3	52956	118207	1.57%	0.160%
42	16.577	2336	2338	2346	rVB9	18015	30655	0.41%	0.041%
43	16.948	2398	2401	2408	rBV9	31451	50355	0.67%	0.068%
44	17.124	2426	2431	2433	rBV6	13790	23168	0.31%	0.031%
45	17.165	2434	2438	2441	rVV6	16290	24878	0.33%	0.034%
46	17.259	2448	2454	2458	rBV	98459	167859	2.24%	0.227%
47	17.294	2458	2460	2463	rVB2	38401	39132	0.52%	0.053%
48	17.423	2477	2482	2489	rVB	86502	136378	1.82%	0.184%
49	17.606	2505	2513	2516	rBV	826296	1400880	18.66%	1.894%
50	17.647	2516	2520	2525	rVV	1663025	2462290	32.81%	3.328%
51	17.700	2525	2529	2541	rVB2	936823	1654603	22.05%	2.237%
52	17.794	2542	2545	2551	rVB3	54277	80355	1.07%	0.109%
53	18.011	2574	2582	2591	rBV	277521	577433	7.69%	0.781%
54	18.111	2595	2599	2602	rBV6	41461	60762	0.81%	0.082%
55	18.187	2607	2612	2616	rBV7	38587	48244	0.64%	0.065%
56	18.440	2651	2655	2658	rBV2	249914	344525	4.59%	0.466%
57	18.475	2658	2661	2664	rVV	173942	240504	3.20%	0.325%
58	18.522	2664	2669	2677	rVB	253460	403410	5.37%	0.545%
59	18.587	2678	2680	2685	rBV6	33017	57167	0.76%	0.077%
60	18.669	2687	2694	2707	rBV3	288281	769731	10.26%	1.040%
61	18.816	2715	2719	2723	rBV7	46868	90610	1.21%	0.122%
62	18.957	2738	2743	2748	rBV	196905	295541	3.94%	0.399%
63	19.016	2748	2753	2761	rVB	751955	1056067	14.07%	1.428%
64	19.251	2790	2793	2796	rVB4	45991	64923	0.87%	0.088%
65	19.292	2797	2800	2804	rVB6	54224	65649	0.87%	0.089%
66	19.368	2810	2813	2817	rBV2	91808	139963	1.86%	0.189%
67	19.415	2817	2821	2827	rVV4	82984	143061	1.91%	0.193%
68	19.527	2834	2840	2847	rBV	295868	487079	6.49%	0.658%
69	19.644	2852	2860	2866	rBV	5005704	7505518	100.00%	10.145%
70	19.697	2866	2869	2872	rBV4	75405	81919	1.09%	0.111%
71	19.838	2889	2893	2897	rBV3	98009	153450	2.04%	0.207%

LSC Area Percent Report

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Acq On : 16 Dec 2016 8:23
Operator : UM/SJ
Sample : H5860-13
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA8E0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Title : SVOA CALIBRATION

72	19.891	2897	2902	2908	rVB	139864	276936	3.69%	0.374%
73	19.973	2909	2916	2918	rBV3	1598923	2605603	34.72%	3.522%
74	20.009	2918	2922	2928	rVV	4013502	5917182	78.84%	7.998%
75	20.061	2928	2931	2936	rVV2	198815	276244	3.68%	0.373%
76	20.173	2945	2950	2954	rBV	291936	466044	6.21%	0.630%
77	20.314	2970	2974	2981	rVB2	236742	543247	7.24%	0.734%
78	20.379	2982	2985	2990	rVV2	113460	127023	1.69%	0.172%
79	20.455	2992	2998	3000	rBV6	195595	382795	5.10%	0.517%
80	20.485	3000	3003	3011	rVB	336259	489508	6.52%	0.662%
81	20.584	3016	3020	3023	rBV2	146450	211482	2.82%	0.286%
82	20.643	3024	3030	3033	rVB2	216929	397366	5.29%	0.537%
83	20.784	3051	3054	3058	rBV2	119909	172096	2.29%	0.233%
84	21.266	3131	3136	3144	rVB	610944	1013822	13.51%	1.370%
85	21.460	3161	3169	3173	rBV2	699958	1396058	18.60%	1.887%
86	21.501	3173	3176	3181	rVB	342006	464457	6.19%	0.628%
87	21.554	3181	3185	3190	rBV2	439817	840985	11.20%	1.137%
88	21.619	3191	3196	3210	rVB	679700	1530801	20.40%	2.069%
89	21.889	3234	3242	3248	rBV3	1864073	5027568	66.98%	6.796%
90	21.948	3248	3252	3265	rVB	2131897	3965527	52.83%	5.360%
91	22.112	3275	3280	3285	rBV	186640	324646	4.33%	0.439%
92	22.183	3288	3292	3304	rVB7	188973	411881	5.49%	0.557%
93	22.335	3311	3318	3324	rBV2	246071	581784	7.75%	0.786%
94	22.764	3384	3391	3397	rBV3	274202	680143	9.06%	0.919%
95	24.239	3631	3642	3649	rBV	1676913	5892622	78.51%	7.965%
96	25.015	3765	3774	3780	rBV2	690888	1997229	26.61%	2.700%
97	25.091	3782	3787	3794	rBV2	296476	757797	10.10%	1.024%
98	25.173	3794	3801	3813	rVB	967621	2945640	39.25%	3.982%
99	25.332	3821	3828	3836	rVB2	337627	871178	11.61%	1.178%
100	29.292	4489	4502	4529	rVB3	355509	2047321	27.28%	2.767%

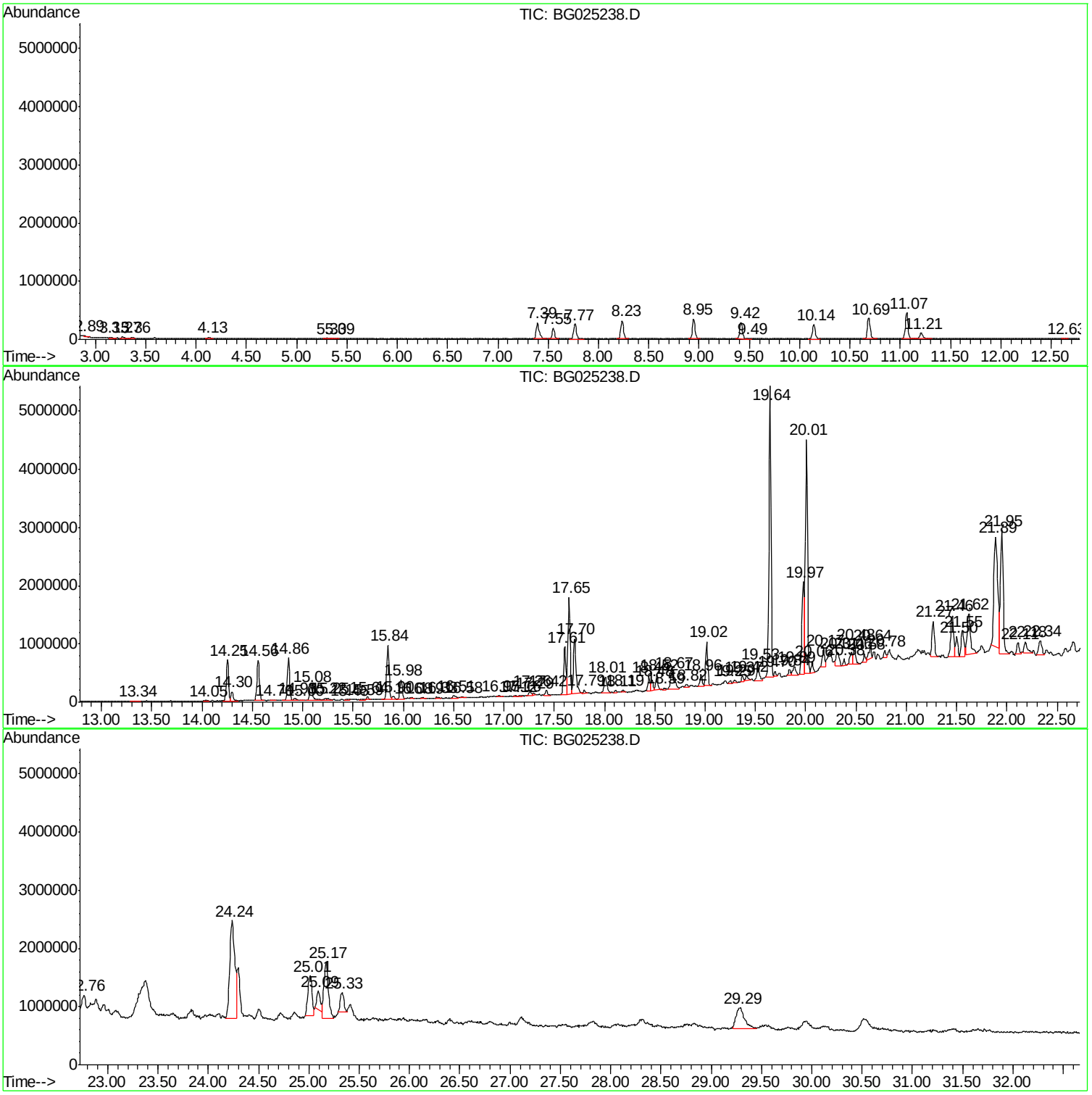
Sum of corrected areas: 73980117

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025238.D
Acq On : 16 Dec 2016 8:23
Operator : UM/SJ
Sample : H5860-13
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA8E0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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Operator : UM/SJ
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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

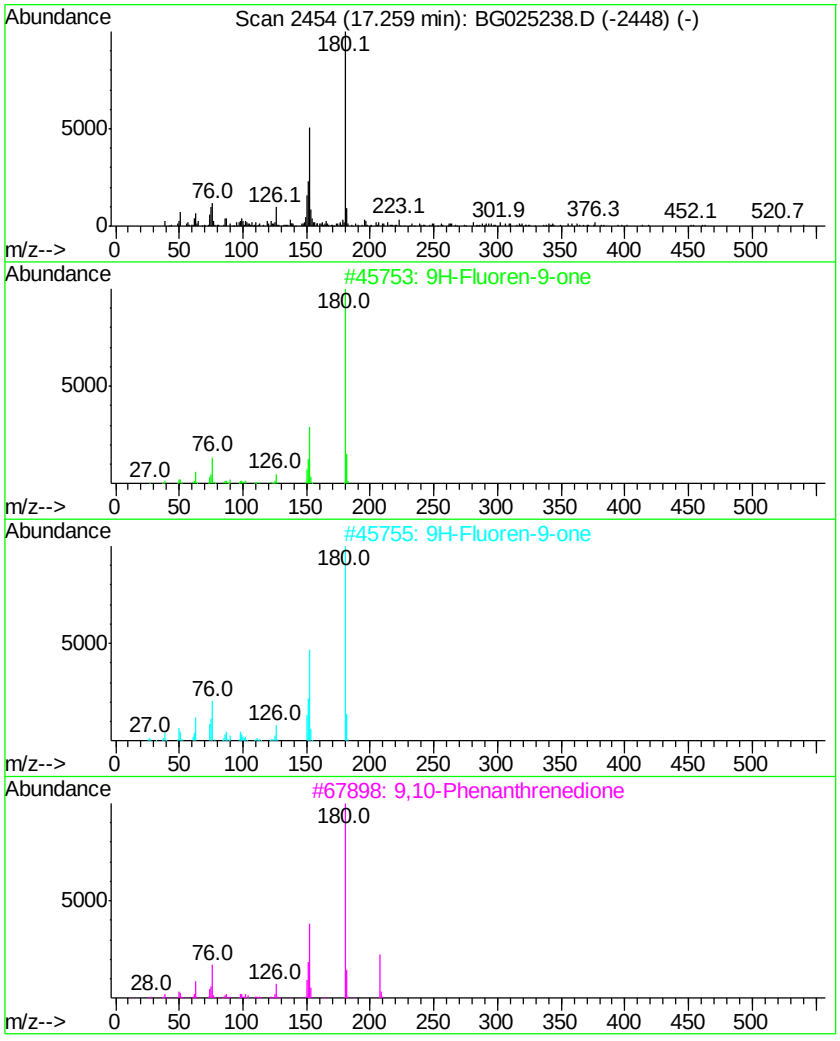
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

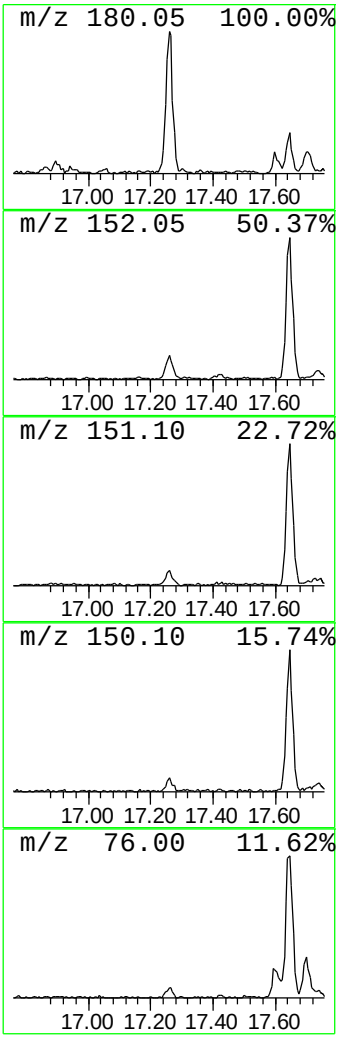
****

Peak Number 1 9H-Fluoren-9-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	2.40 ng/ul	167859	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	83
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	80
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	58





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025238.D
Acq On : 16 Dec 2016 8:23
Operator : UM/SJ
Sample : H5860-13
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA8E0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

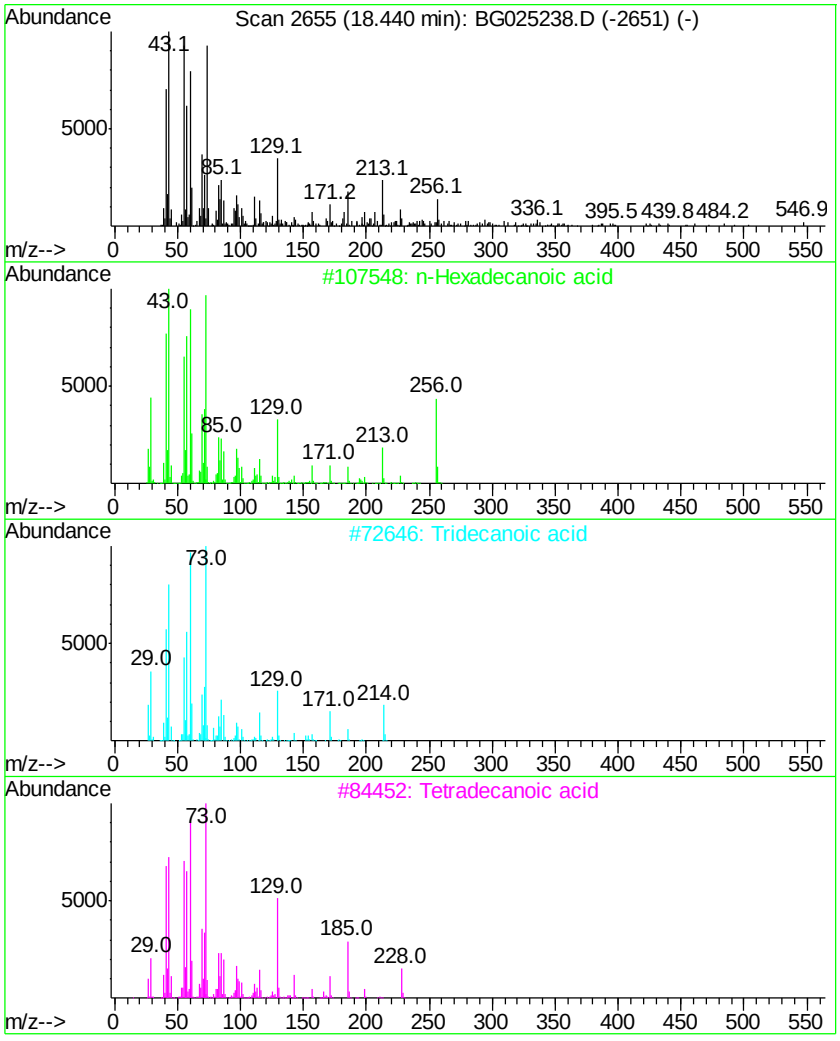
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

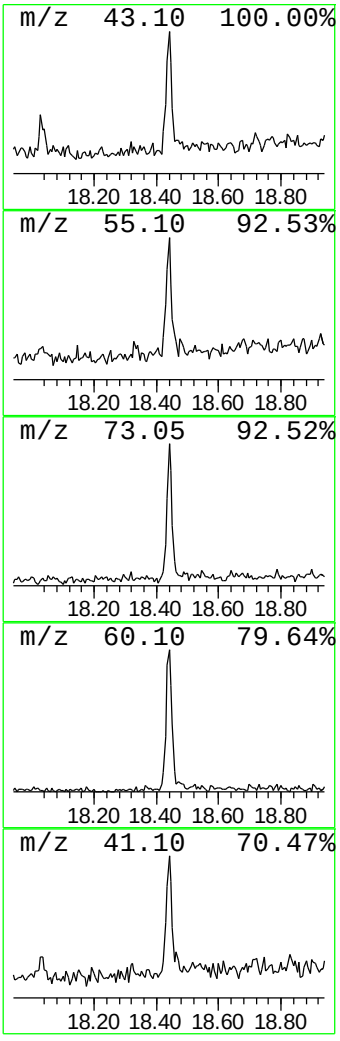
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	4.92 ng/ul	344525	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
5	Tridecanoic acid	214	C13H26O2	000638-53-9	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025238.D
Acq On : 16 Dec 2016 8:23
Operator : UM/SJ
Sample : H5860-13
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA8E0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

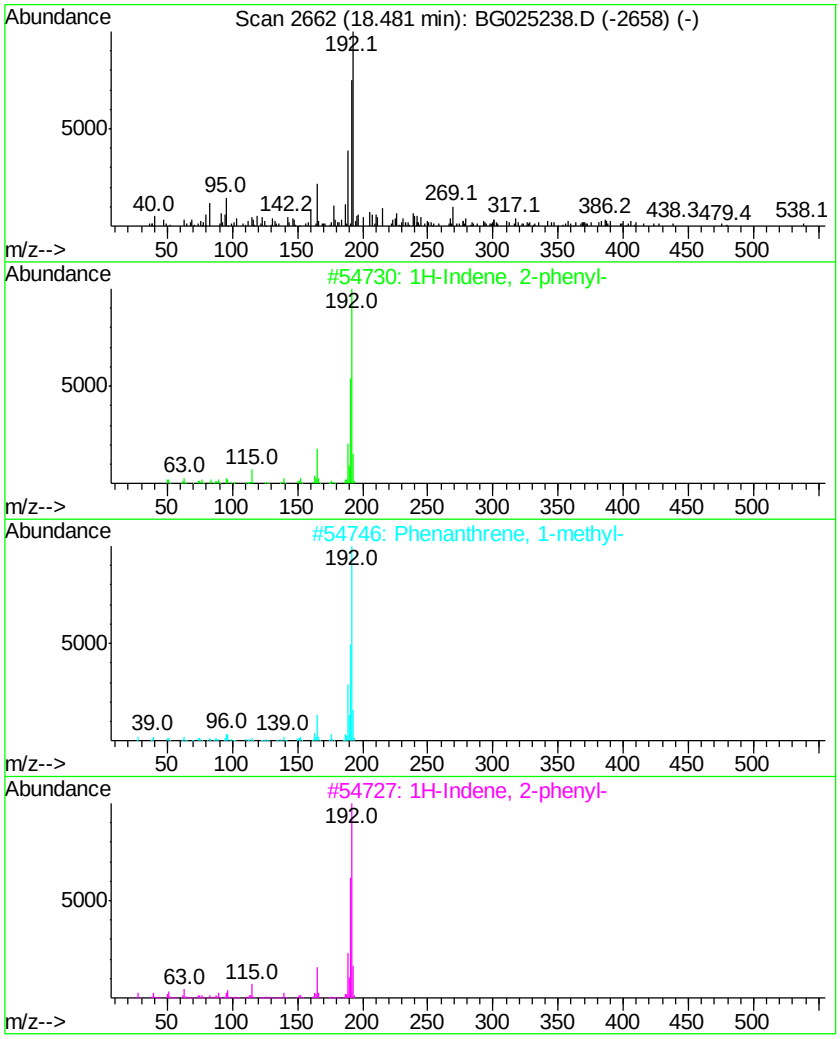
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

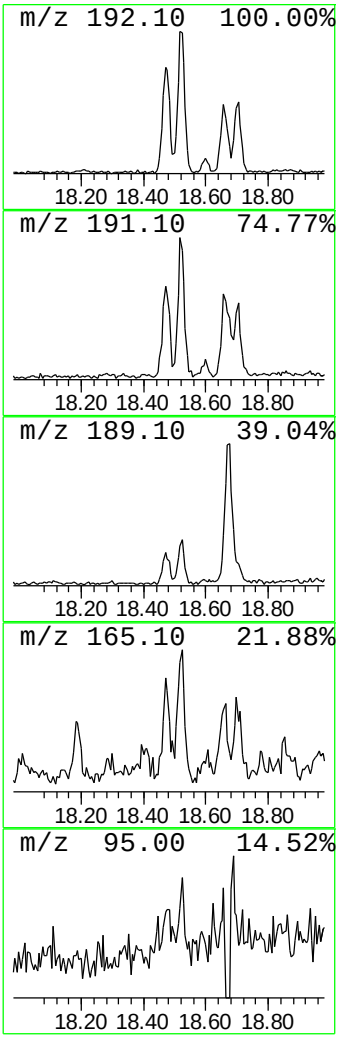
****

Peak Number 3 1H-Indene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	3.43 ng/ul	240504	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
4	1-(9-Phenanthrenyl)-2-propanol	236	C17H16O	1000326-09-0	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025238.D
Acq On : 16 Dec 2016 8:23
Operator : UM/SJ
Sample : H5860-13
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA8E0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

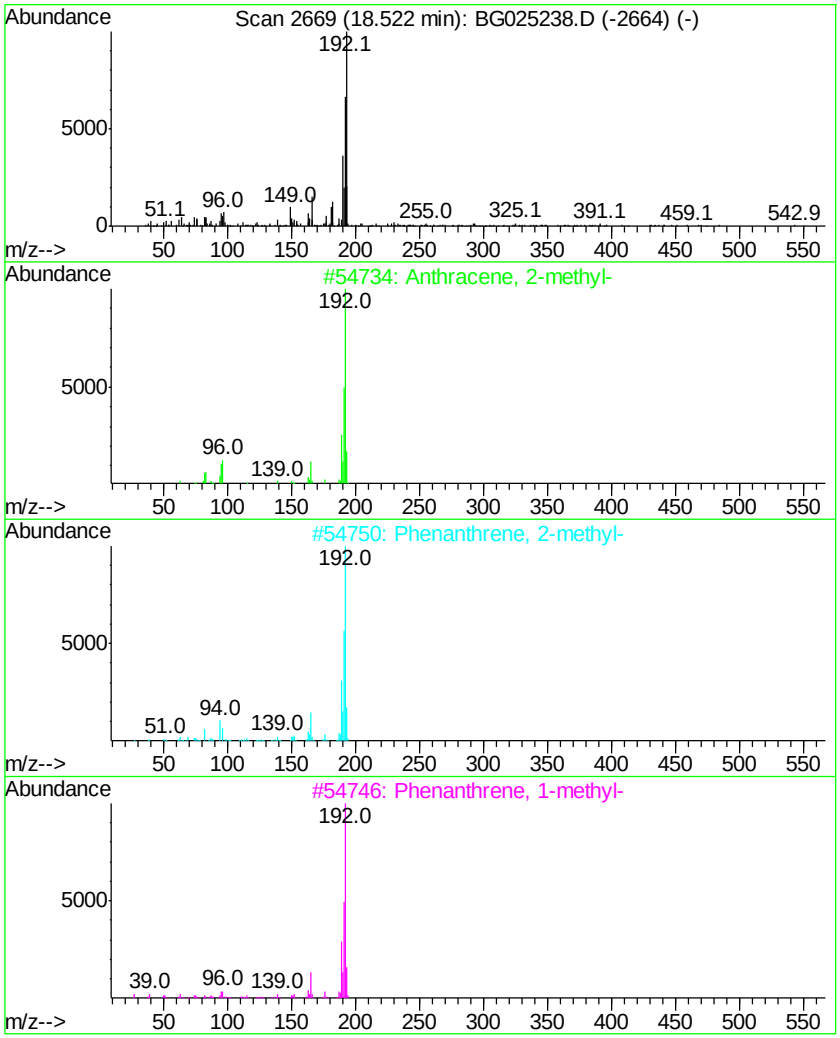
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

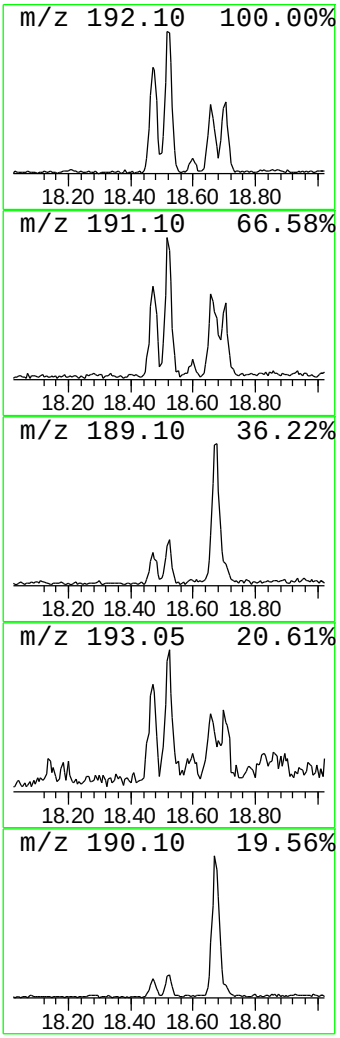
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	5.76 ng/ul	403410	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025238.D
Acq On : 16 Dec 2016 8:23
Operator : UM/SJ
Sample : H5860-13
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA8E0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

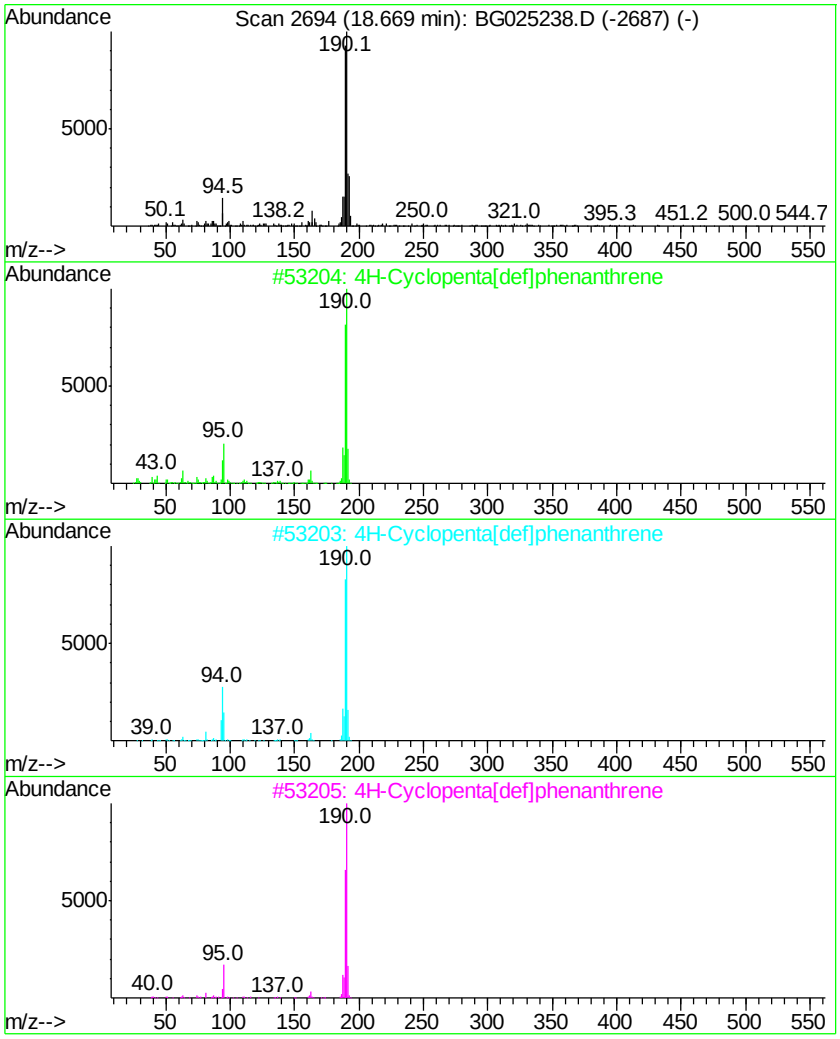
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

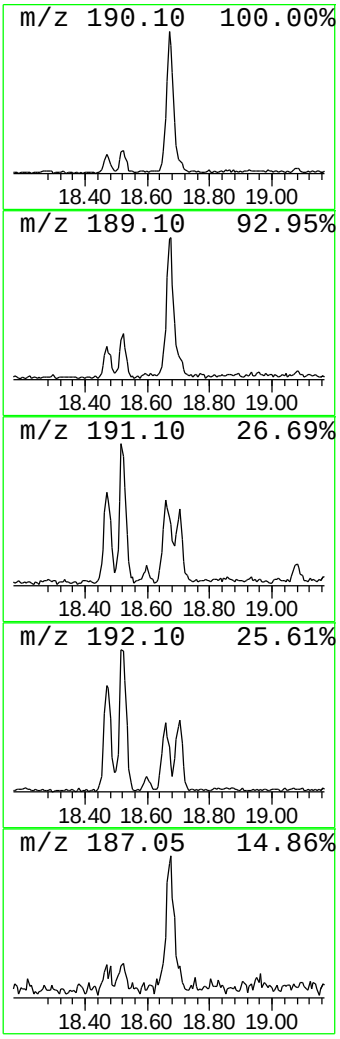
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.67	10.99 ng/ul	769731	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	80
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	53
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	53





Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025238.D
Acq On : 16 Dec 2016 8:23
Operator : UM/SJ
Sample : H5860-13
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA8E0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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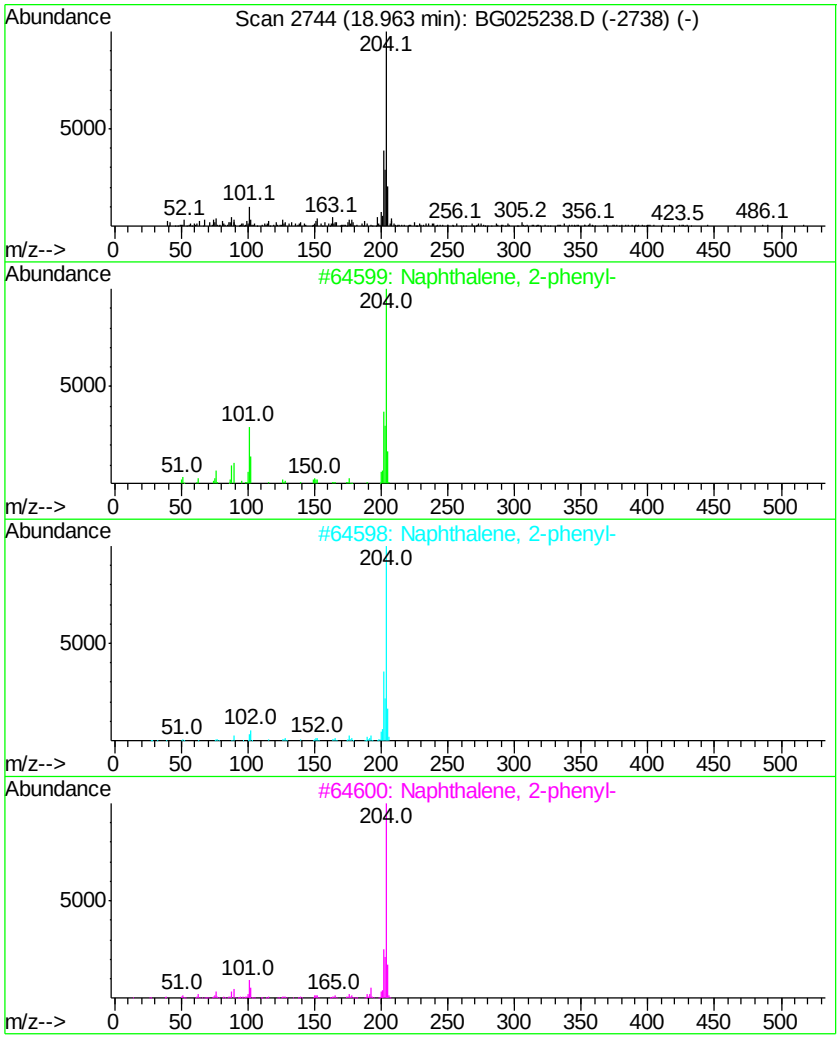
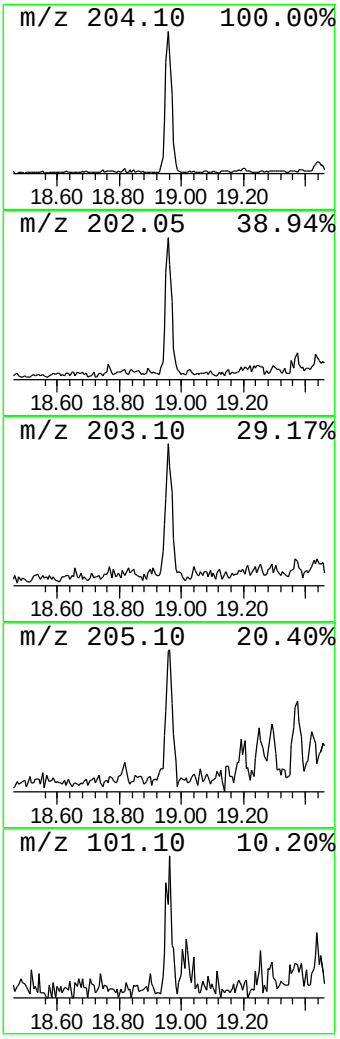
Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	4.22 ng/ul	295541	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64





Library Search Compound Report

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Instrument : BNA_G
ClientSampleId : DA8E0

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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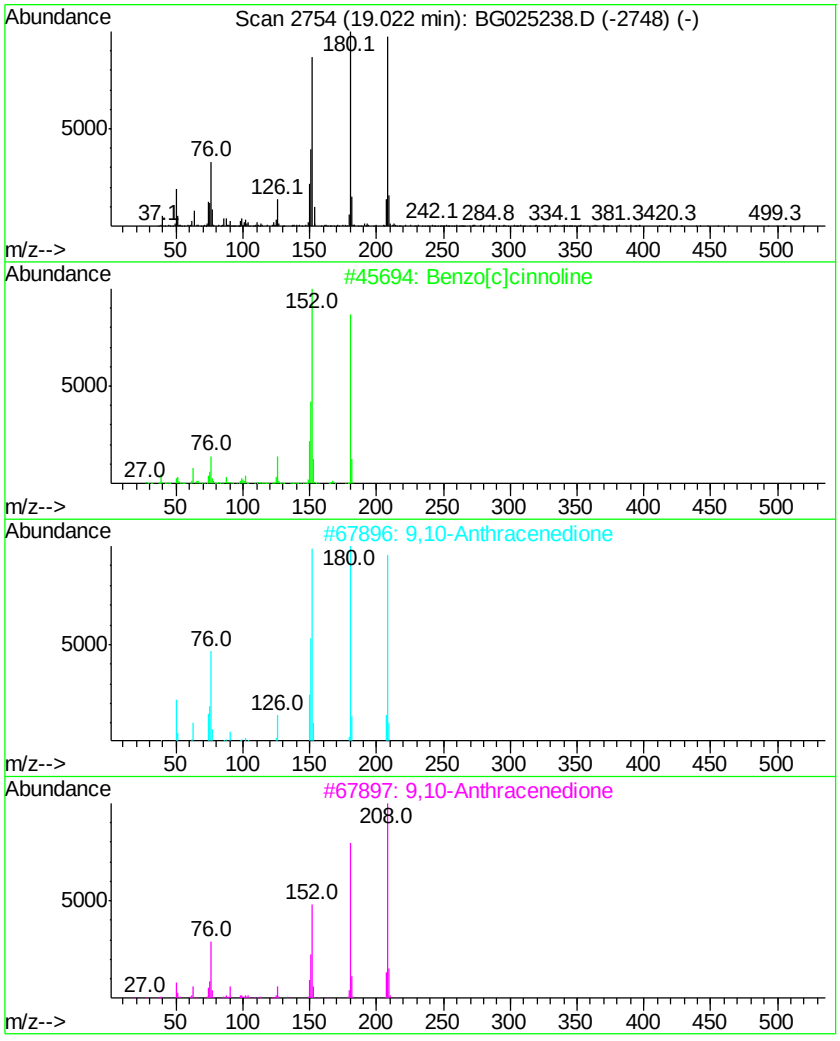
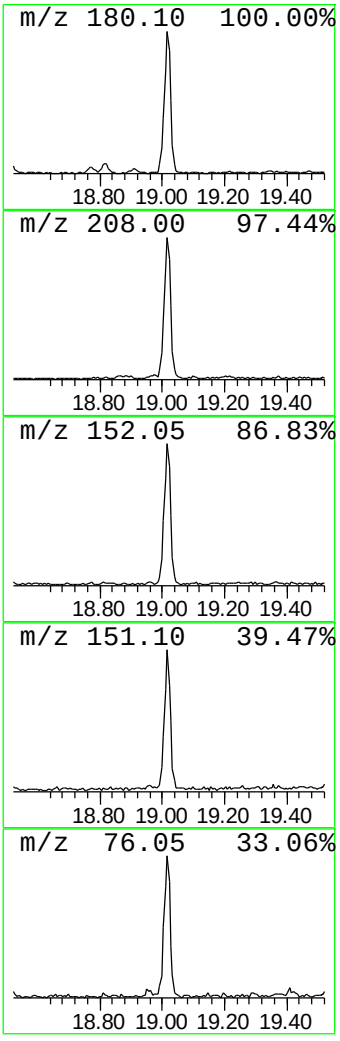
Peak Number 7 Benzo[c]cinnoline Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	15.08 ng/ul	1056070	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70





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Sample : H5860-13
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ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA8E0

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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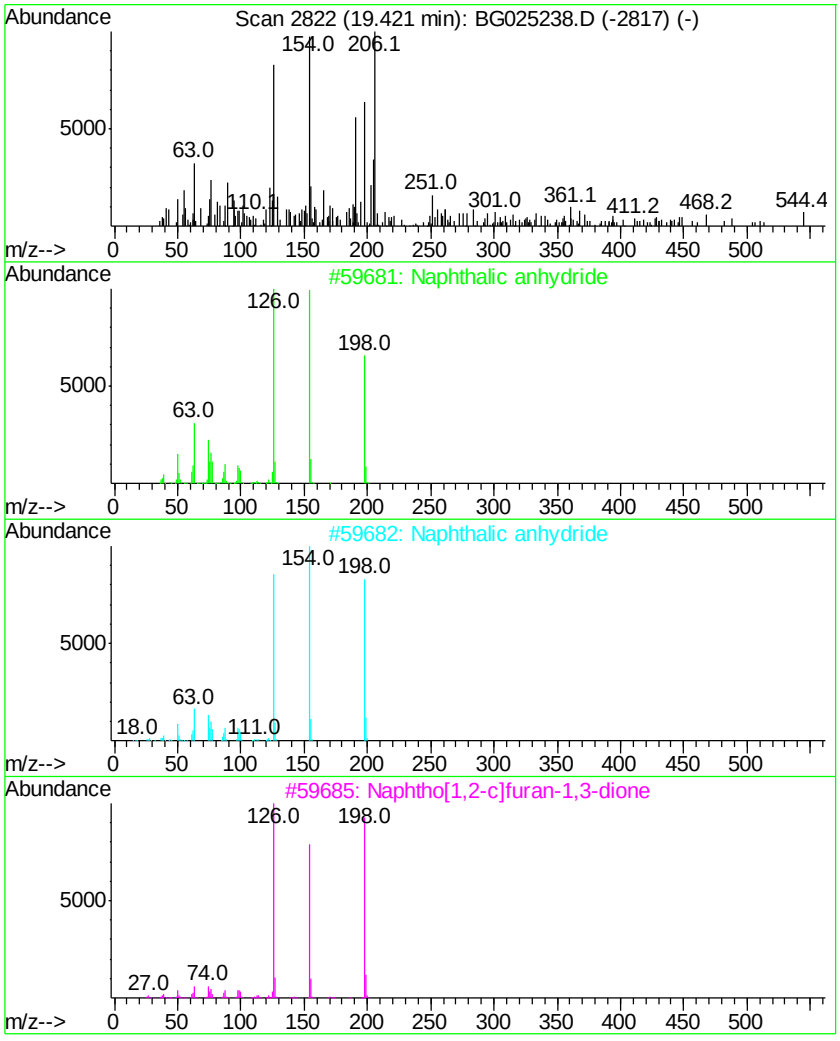
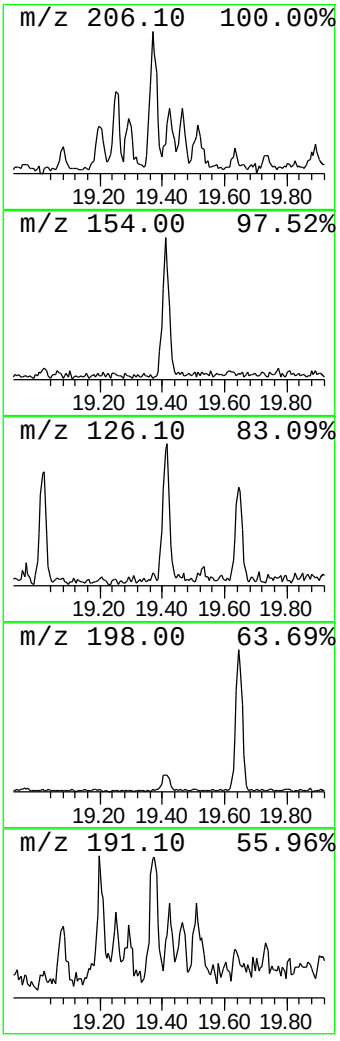
Peak Number 8 Naphthalic anhydride Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.42	2.04 ng/ul	143061	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalic anhydride	198	C12H6O3	000081-84-5	87
2	Naphthalic anhydride	198	C12H6O3	000081-84-5	72
3	Naphtho[1,2-c]furan-1,3-dione	198	C12H6O3	005343-99-7	56
4	Naphthalic anhydride	198	C12H6O3	000081-84-5	43
5	Naphthalic anhydride	198	C12H6O3	000081-84-5	35





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Instrument : BNA_G
ClientSampleId : DA8E0

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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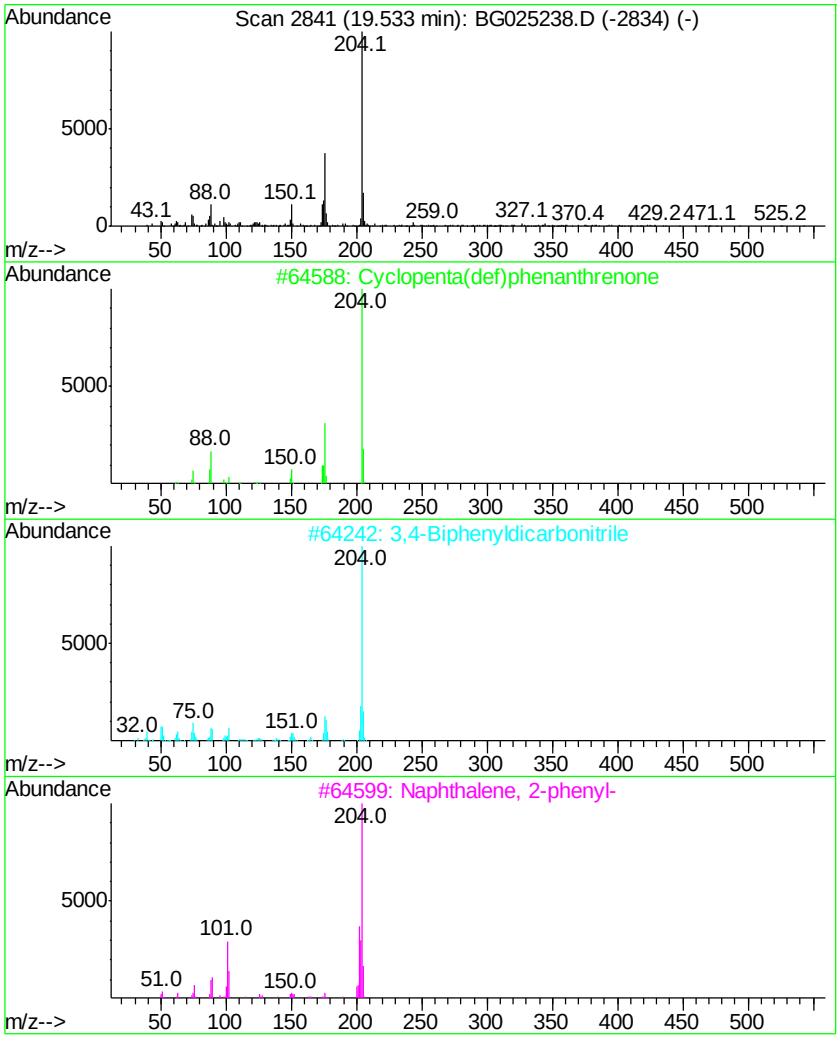
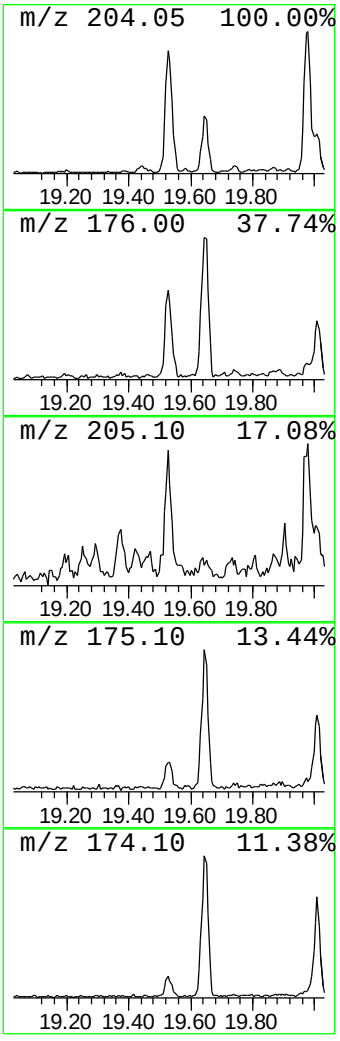
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.53	6.95 ng/ul	487079	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	64
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	47
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	45





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ClientSampleId : DA8E0

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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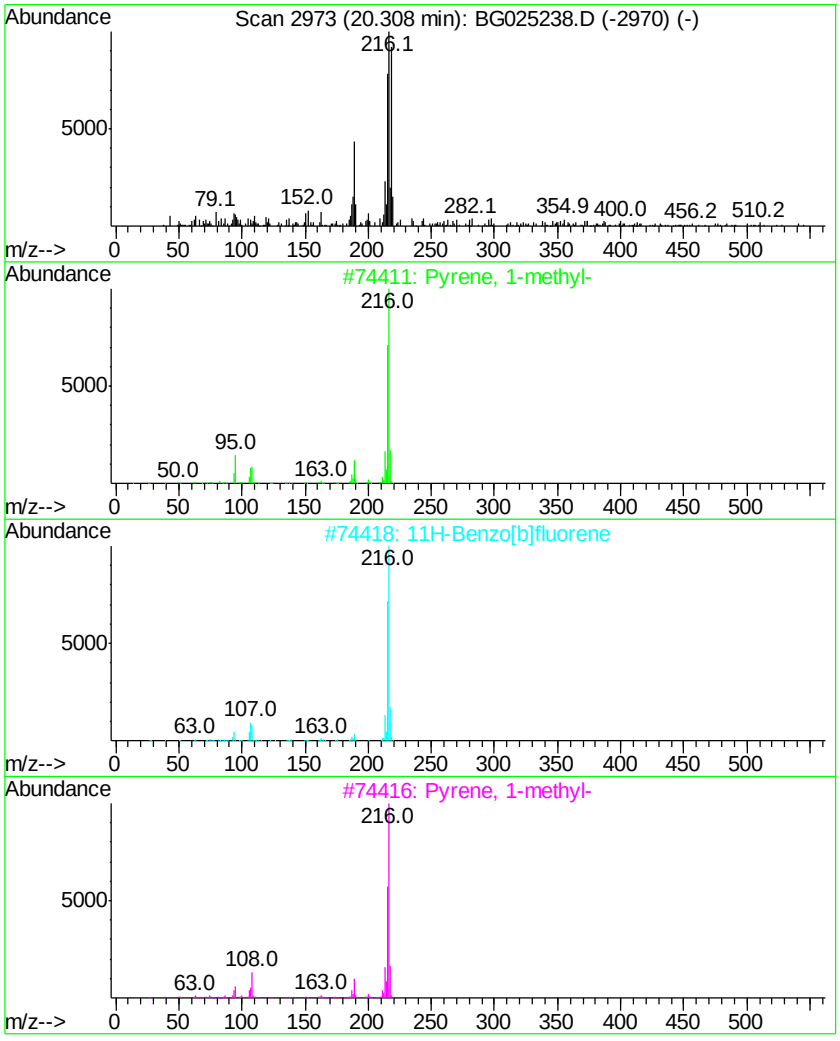
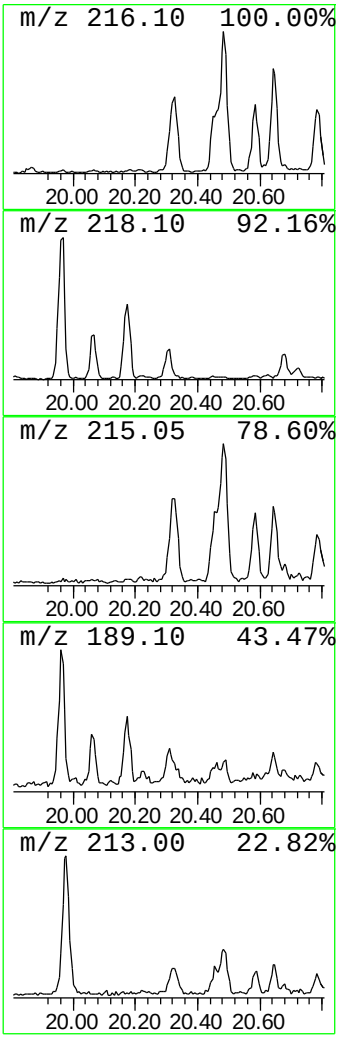
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.31	2.16 ng/ul	543247	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76





Library Search Compound Report

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Sample : H5860-13
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : DA8E0

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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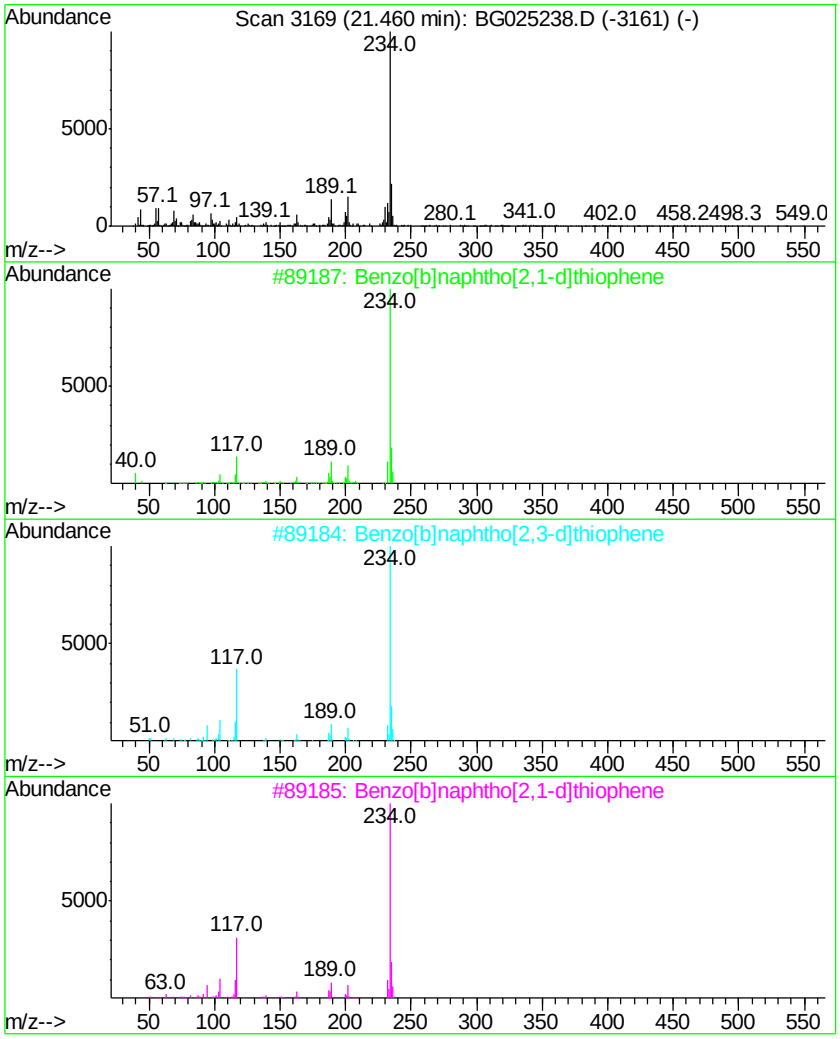
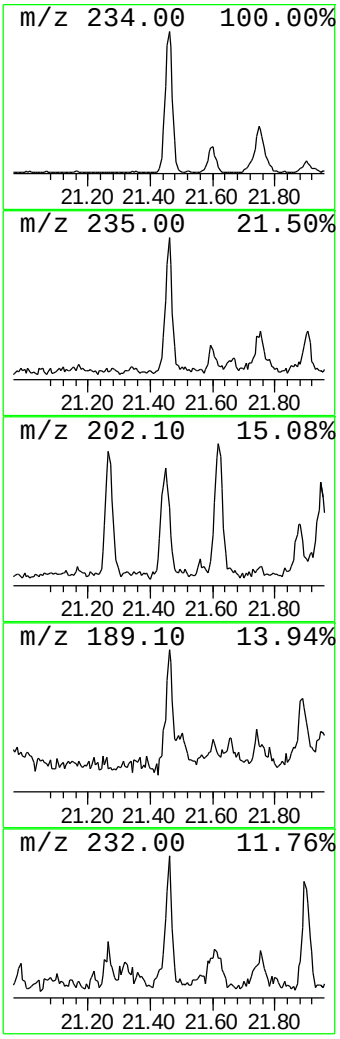
Peak Number 12 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.46	5.55 ng/ul	1396060	Chrysene-d12	21.90

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





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Sample : H5860-13
Misc :
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Instrument : BNA_G
ClientSampleId : DA8E0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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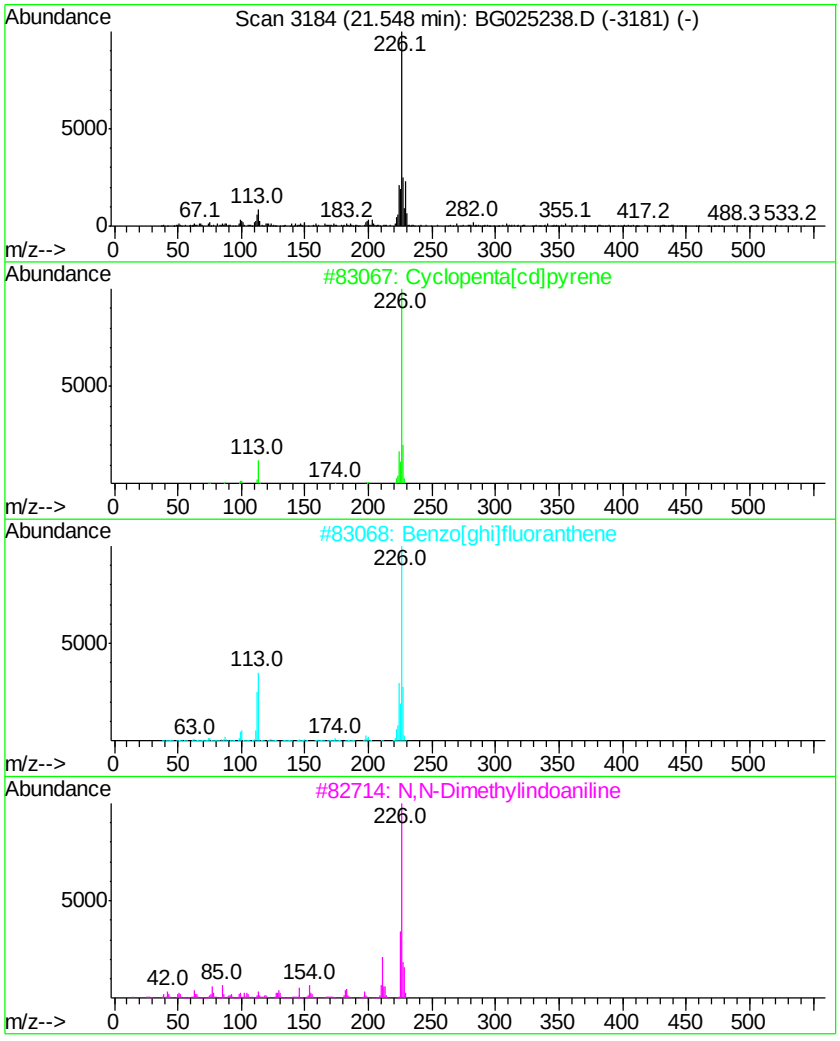
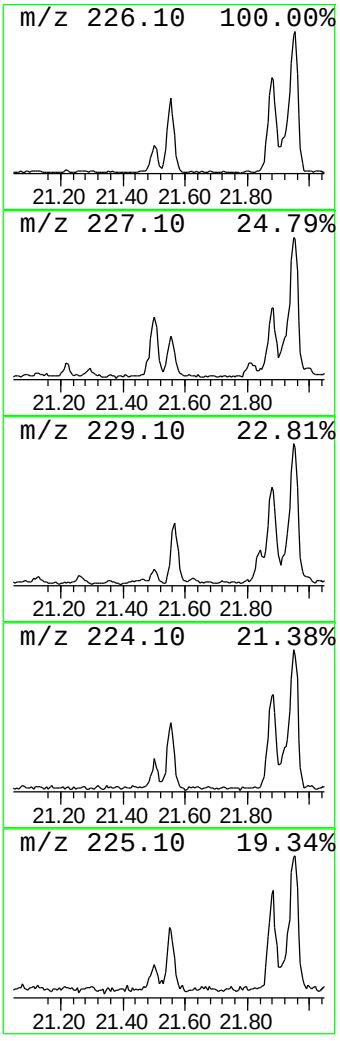
Peak Number 13 Cyclopenta[cd]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.55	3.35 ng/ul	840985	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	52
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	52
3	N,N-Dimethylindoaniline	226	C14H14N2O	002150-58-5	43
4	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	38
5	6-Methyl-4-phenyl-3-cyanopyridin...	226	C13H10N2S	078564-23-5	38





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Instrument : BNA_G
ClientSampleId : DA8E0

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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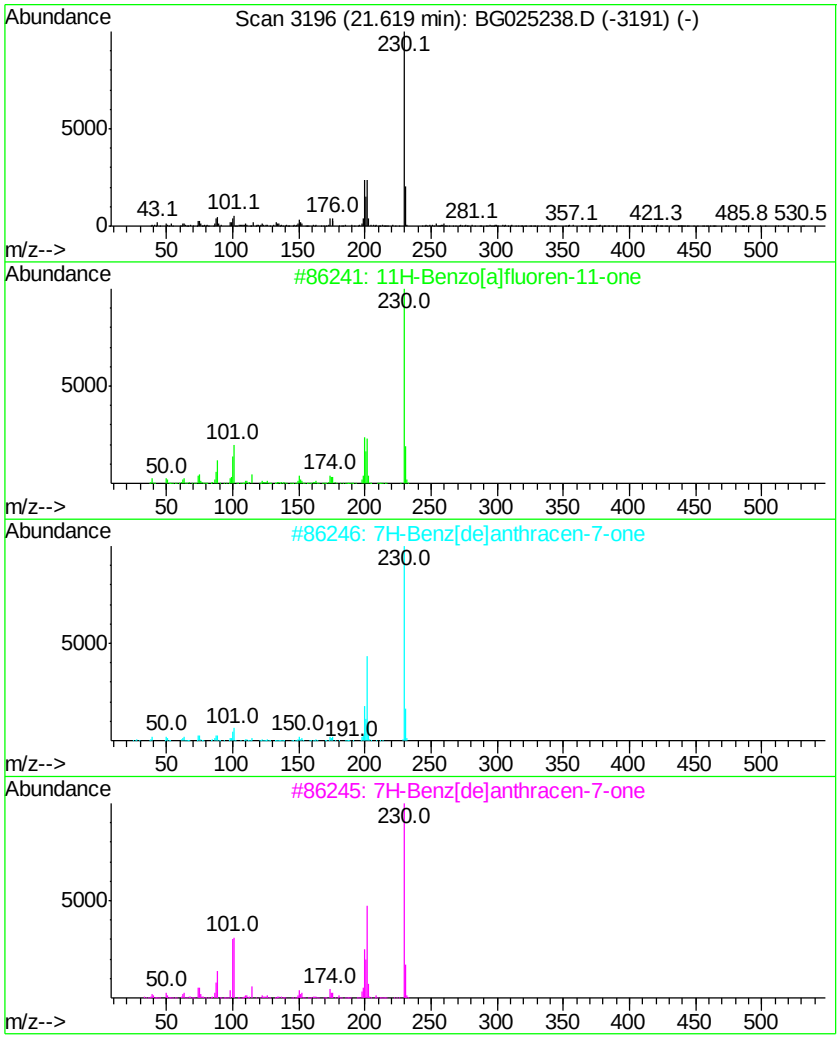
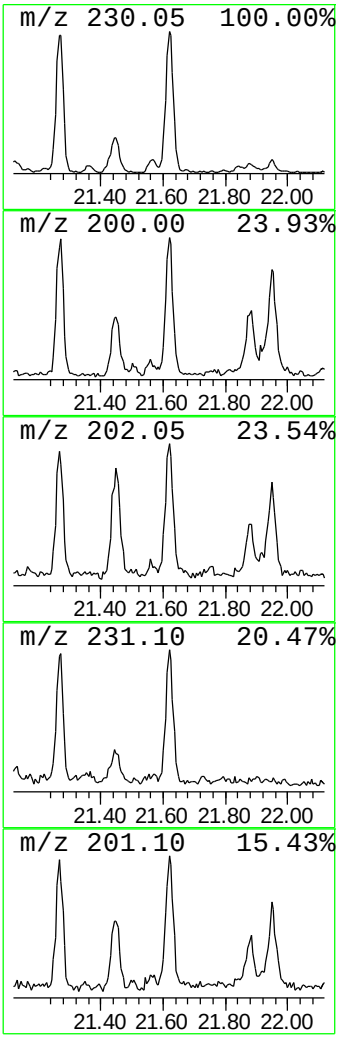
Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.62	6.09 ng/ul	1530800	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	90
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	72
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	58





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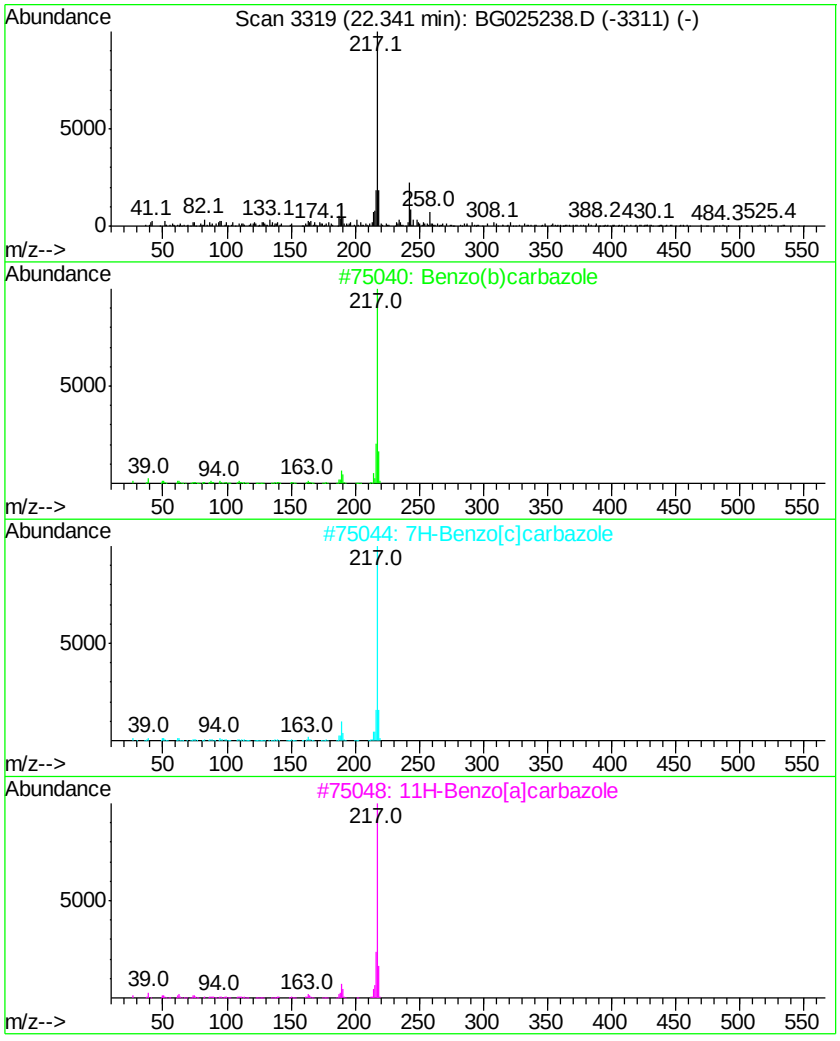
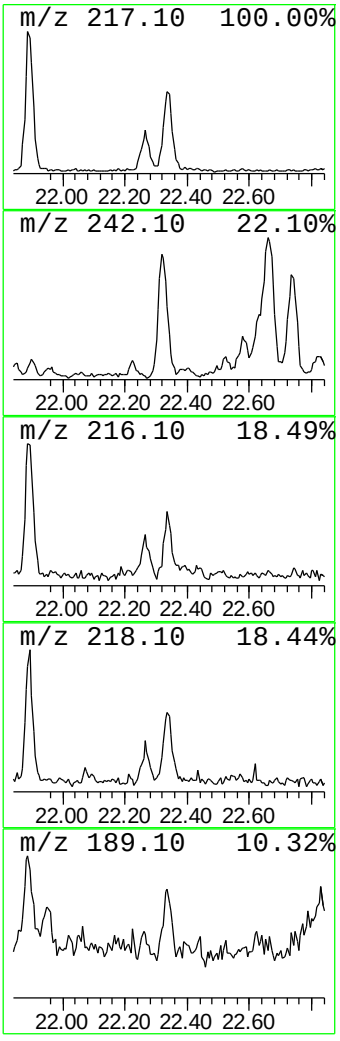
Peak Number 15 Benzo(b)carbazole Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.34	2.31 ng/ul	581784	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(b)carbazole	217	C16H11N	000243-28-7	60
2	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	60
3	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	53
4	1-Aminopyrene	217	C16H11N	001606-67-3	49
5	1-Aminopyrene	217	C16H11N	001606-67-3	49





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ClientSampleId : DA8E0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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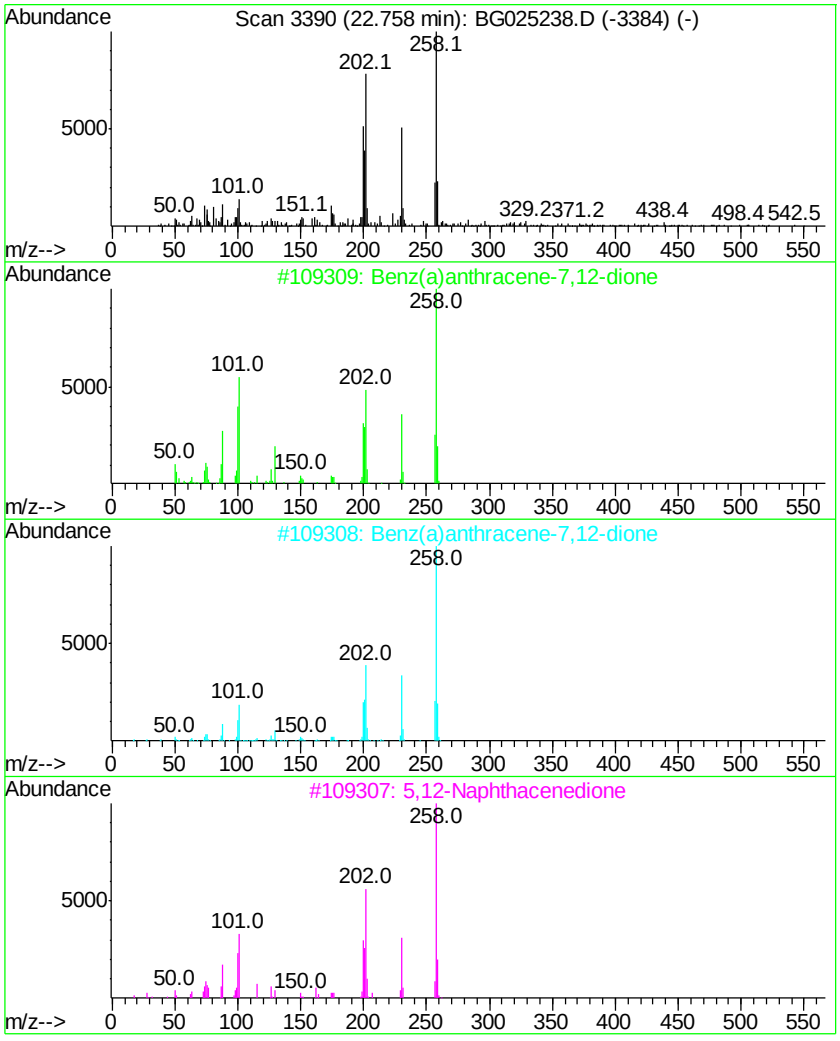
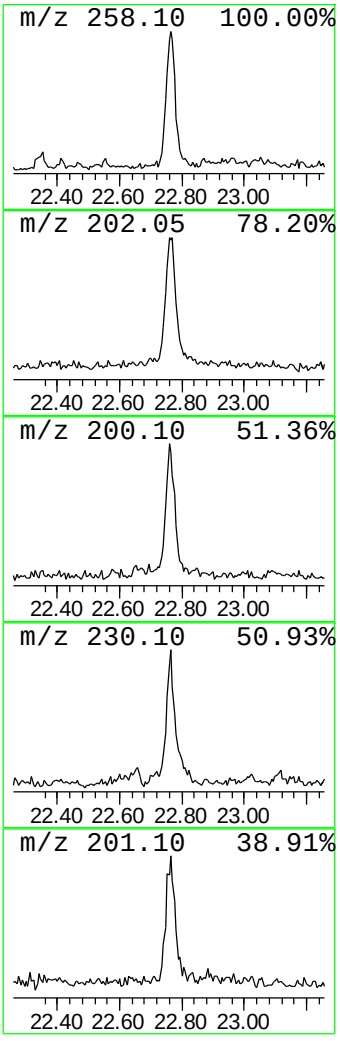
Peak Number 16 Benz(a)anthracene-7,12-dione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.76	2.71 ng/ul	680143	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	95
2	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	95
3	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	93
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	84
5	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	76





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Quant Title : SVOA CALIBRATION

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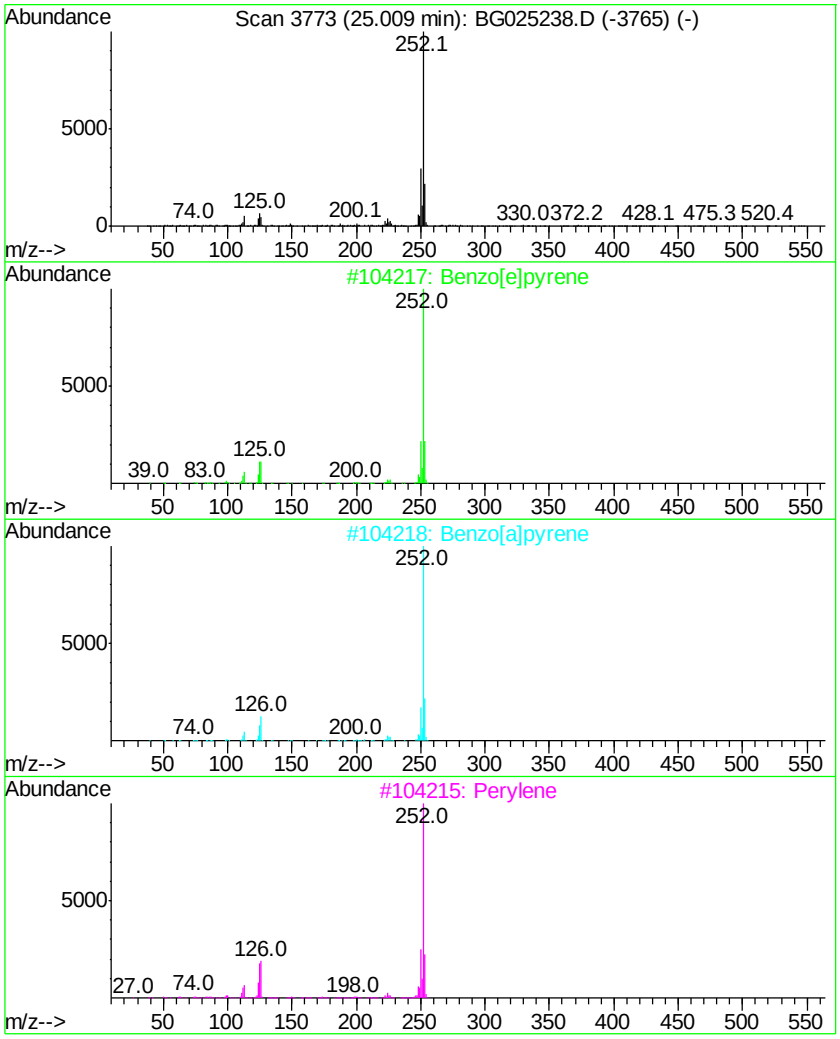
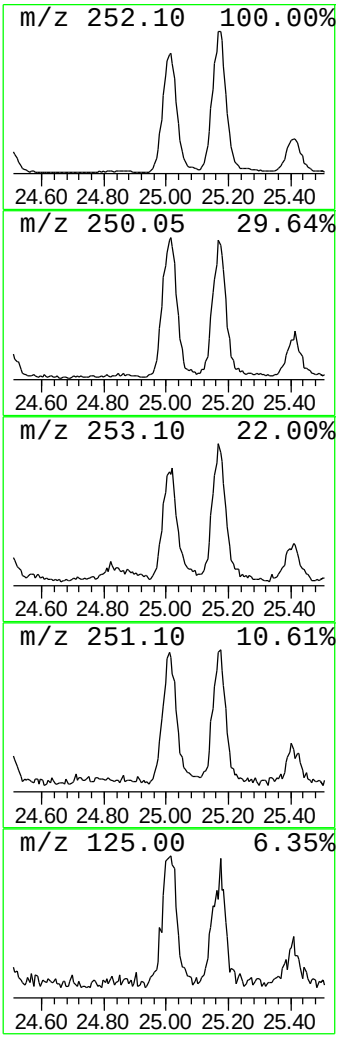
Peak Number 17 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.01	45.85 ng/ul	1997230	Perylene-d12	25.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[a]pyrene	252	C20H12	000050-32-8	90
3	Perylene	252	C20H12	000198-55-0	89
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





Tentatively Identified Compound (LSC) summary

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Operator : UM/SJ
Sample : H5860-13
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
9H-Fluoren-9-one	17.26	2.4	ng/ul	167859	4	17.61	1400880	20.0
n-Hexadecanoic acid	18.44	4.9	ng/ul	344525	4	17.61	1400880	20.0
1H-Indene, 2-phenyl-	18.48	3.4	ng/ul	240504	4	17.61	1400880	20.0
Anthracene, 2-met...	18.52	5.8	ng/ul	403410	4	17.61	1400880	20.0
4H-Cyclopenta[def...	18.67	11.0	ng/ul	769731	4	17.61	1400880	20.0
Naphthalene, 2-ph...	18.96	4.2	ng/ul	295541	4	17.61	1400880	20.0
Benzo[c]cinnoline	19.02	15.1	ng/ul	1056070	4	17.61	1400880	20.0
Naphthalic anhydride	19.42	2.0	ng/ul	143061	4	17.61	1400880	20.0
Cyclopenta(def)ph...	19.53	7.0	ng/ul	487079	4	17.61	1400880	20.0
Pyrene, 1-methyl-	20.31	2.2	ng/ul	543247	5	21.90	5027570	20.0
Benzo[b]naphtho[2...	21.46	5.5	ng/ul	1396060	5	21.90	5027570	20.0
Cyclopenta[cd]pyrene	21.55	3.4	ng/ul	840985	5	21.90	5027570	20.0
11H-Benzo[a]fluor...	21.62	6.1	ng/ul	1530800	5	21.90	5027570	20.0
Benzo(b)carbazole	22.34	2.3	ng/ul	581784	5	21.90	5027570	20.0
Benz(a)anthracene...	22.76	2.7	ng/ul	680143	5	21.90	5027570	20.0
Benzo[e]pyrene	25.01	45.9	ng/ul	1997230	6	25.33	871178	20.0