LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110317\
Data File : BG030689.D
Acq On : 3 Nov 2017 8:03
Operator : SJ/JU
Sample : I5844-20
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AH4

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\SOM-EPA-BG101417.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	4.072	128	133	142	rVV	37578	55736	1.55%	0.118%
2	7.309	676	684	701	rBV2	128541	270313	7.52%	0.573%
3	7.468	704	711	723	rBV	113162	192800	5.37%	0.409%
4	7.685	738	748	757	rBV	133772	235996	6.57%	0.501%
5	8.155	819	828	836	rBV	205687	352957	9.82%	0.749%
6	8.854	939	947	958	rBV	136416	253075	7.04%	0.537%
7	9.318	1014	1026	1040	rBV	139870	259208	7.22%	0.550%
8	10.041	1141	1149	1160	rBV	109206	203240	5.66%	0.431%
9	10.587	1233	1242	1255	rBV	172457	337705	9.40%	0.716%
10	10.969	1296	1307	1320	rBV	326556	595835	16.59%	1.264%
11	11.104	1320	1330	1355	rVB	46525	116499	3.24%	0.247%
12	14.166	1844	1851	1855	rVV	381923	562251	15.65%	1.193%
13	14.213	1855	1859	1868	rVB	145083	217790	6.06%	0.462%
14	14.465	1894	1902	1916	rBV	453609	718771	20.01%	1.525%
15	14.771	1940	1954	1961	rBV2	555099	898334	25.01%	1.905%
16	14.965	1980	1987	1998	rBV2	52061	115814	3.22%	0.246%
17	15.758	2115	2122	2128	rBV	626729	930698	25.91%	1.974%
18	15.869	2136	2141	2150	rVV	82613	133604	3.72%	0.283%
19	17.162	2354	2361	2367	rVV	68469	105244	2.93%	0.223%
20	17.327	2380	2389	2396	rVV	38586	65791	1.83%	0.140%
21	17.509	2413	2420	2423	rBV2	722379	1094422	30.46%	2.321%
22	17.550	2423	2427	2432	rVV	905237	1366387	38.03%	2.898%
23	17.609	2432	2437	2448	rVV2	606773	1009851	28.11%	2.142%
24	17.908	2477	2488	2496	rBV	126578	233806	6.51%	0.496%
25	18.378	2563	2568	2572	rBV	108018	156846	4.37%	0.333%
26	18.431	2572	2577	2584	rVB	125336	197434	5.50%	0.419%
27	18.572	2595	2601	2605	rBV2	100092	198689	5.53%	0.421%
28	18.607	2605	2607	2613	rVB	60931	81852	2.28%	0.174%
29	18.872	2647	2652	2655	rVV	98481	140398	3.91%	0.298%
30	18.913	2655	2659	2670	rVV	370981	535572	14.91%	1.136%
31	19.113	2683	2693	2697	rBV5	30888	60715	1.69%	0.129%
32	19.289	2717	2723	2729	rBV4	64475	144396	4.02%	0.306%
33	19.430	2741	2747	2754	rBV	167026	245973	6.85%	0.522%
34	19.553	2755	2768	2774	rVV	2476559	3592500	100.00%	7.620%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I5844-20
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AH4

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\SOM-EPA-BG101417.M
Title : SVOA CALIBRATION

35	19.741	2795	2800	2803	rVV4	60657	97679	2.72%	0.207%
36	19.788	2803	2808	2817	rVV	80339	155465	4.33%	0.330%
37	19.882	2817	2824	2826	rVV2	1035832	1699082	47.30%	3.604%
38	19.912	2826	2829	2835	rVV	1855520	2606093	72.54%	5.528%
39	19.976	2835	2840	2845	rVB2	89915	138363	3.85%	0.293%
40	20.082	2847	2858	2864	rBV	117426	190471	5.30%	0.404%
41	20.141	2864	2868	2875	rVB3	29749	55890	1.56%	0.119%
42	20.229	2875	2883	2889	rBV3	111178	297527	8.28%	0.631%
43	20.394	2899	2911	2916	rBV2	123991	360247	10.03%	0.764%
44	20.493	2922	2928	2931	rBV3	48383	73354	2.04%	0.156%
45	20.552	2931	2938	2942	rVV2	137663	271423	7.56%	0.576%
46	20.587	2942	2944	2948	rVV2	56274	66641	1.86%	0.141%
47	20.693	2957	2962	2965	rBV	79643	102604	2.86%	0.218%
48	20.740	2965	2970	2979	rVB2	75631	139691	3.89%	0.296%
49	21.163	3036	3042	3049	rVB	347130	507782	14.13%	1.077%
50	21.345	3065	3073	3078	rVV2	211927	501484	13.96%	1.064%
51	21.392	3078	3081	3085	rVV	197579	314062	8.74%	0.666%
52	21.445	3085	3090	3094	rVV2	208050	388621	10.82%	0.824%
53	21.498	3094	3099	3111	rVB2	296820	564954	15.73%	1.198%
54	21.645	3113	3124	3133	rBV3	95421	265714	7.40%	0.564%
55	21.774	3134	3146	3151	rVV4	1054503	3001624	83.55%	6.367%
56	21.827	3151	3155	3168	rVB	1026999	1843782	51.32%	3.911%
57	21.986	3177	3182	3187	rVB	60643	103495	2.88%	0.220%
58	22.050	3188	3193	3199	rBV4	53386	124188	3.46%	0.263%
59	22.191	3211	3217	3224	rBV2	133965	278112	7.74%	0.590%
60	22.262	3224	3229	3240	rVB8	44516	122993	3.42%	0.261%
61	22.520	3264	3273	3279	rVV	87378	216889	6.04%	0.460%
62	22.609	3279	3288	3296	rVV3	171398	390528	10.87%	0.828%
63	22.691	3297	3302	3314	rVB5	34076	99074	2.76%	0.210%
64	22.802	3315	3321	3339	rVV4	73428	279927	7.79%	0.594%
65	22.949	3339	3346	3353	rVB6	63967	161522	4.50%	0.343%
66	23.208	3385	3390	3396	rBV3	35067	64270	1.79%	0.136%
67	23.284	3398	3403	3412	rVB8	48680	123227	3.43%	0.261%
68	23.625	3453	3461	3481	rVB3	65775	271242	7.55%	0.575%
69	23.819	3487	3494	3503	rVB2	40088	96196	2.68%	0.204%
70	24.036	3520	3531	3538	rBV	888212	2911929	81.06%	6.176%
71	24.101	3539	3542	3551	rVB2	467367	944938	26.30%	2.004%

LSC Area Percent Report

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Acq On : 3 Nov 2017 8:03
Operator : SJ/JU
Sample : I5844-20
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AH4

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\SOM-EPA-BG101417.M
Title : SVOA CALIBRATION

72	24.213	3557	3561	3568	rVB2	33487	67973	1.89%	0.144%
73	24.295	3568	3575	3584	rVB2	70884	184116	5.13%	0.391%
74	24.500	3603	3610	3623	rBV2	62021	233166	6.49%	0.495%
75	24.665	3632	3638	3643	rBV6	21778	58809	1.64%	0.125%
76	24.777	3647	3657	3664	rBV2	431110	1242271	34.58%	2.635%
77	24.859	3664	3671	3677	rVV2	376146	1086539	30.24%	2.305%
78	24.929	3677	3683	3696	rVB	533224	1402809	39.05%	2.975%
79	25.082	3699	3709	3717	rBV	485315	1434246	39.92%	3.042%
80	25.164	3718	3723	3738	rVB2	126161	426395	11.87%	0.904%
81	25.623	3795	3801	3814	rVB2	28777	107656	3.00%	0.228%
82	25.781	3818	3828	3835	rBV9	15547	67058	1.87%	0.142%
83	25.887	3839	3846	3855	rVB6	19551	57052	1.59%	0.121%
84	25.993	3856	3864	3878	rVB6	33306	130127	3.62%	0.276%
85	26.246	3898	3907	3923	rVB2	92166	298195	8.30%	0.632%
86	26.498	3945	3950	3974	rVB2	28906	143418	3.99%	0.304%
87	26.886	4008	4016	4026	rVB2	19810	65028	1.81%	0.138%
88	27.421	4102	4107	4124	rVB4	35709	138763	3.86%	0.294%
89	27.644	4134	4145	4150	rBV4	35278	129934	3.62%	0.276%
90	27.832	4169	4177	4183	rBV8	18401	66851	1.86%	0.142%
91	27.967	4184	4200	4201	rBV8	21992	86996	2.42%	0.185%
92	28.437	4255	4280	4295	rBV7	84122	531193	14.79%	1.127%
93	28.860	4337	4352	4375	rVB3	323927	1598087	44.48%	3.390%
94	29.089	4384	4391	4405	rVB6	19723	78498	2.19%	0.166%
95	29.336	4417	4433	4448	rBV7	67310	376067	10.47%	0.798%
96	29.512	4452	4463	4473	rVB3	48655	203588	5.67%	0.432%
97	29.630	4477	4483	4493	rVB3	25863	91660	2.55%	0.194%
98	30.047	4537	4554	4570	rBV2	234268	1098372	30.57%	2.330%
99	30.687	4652	4663	4676	rVB3	26405	119967	3.34%	0.254%
100	32.121	4892	4907	4924	rBV3	16715	110315	3.07%	0.234%

Sum of corrected areas: 47146734

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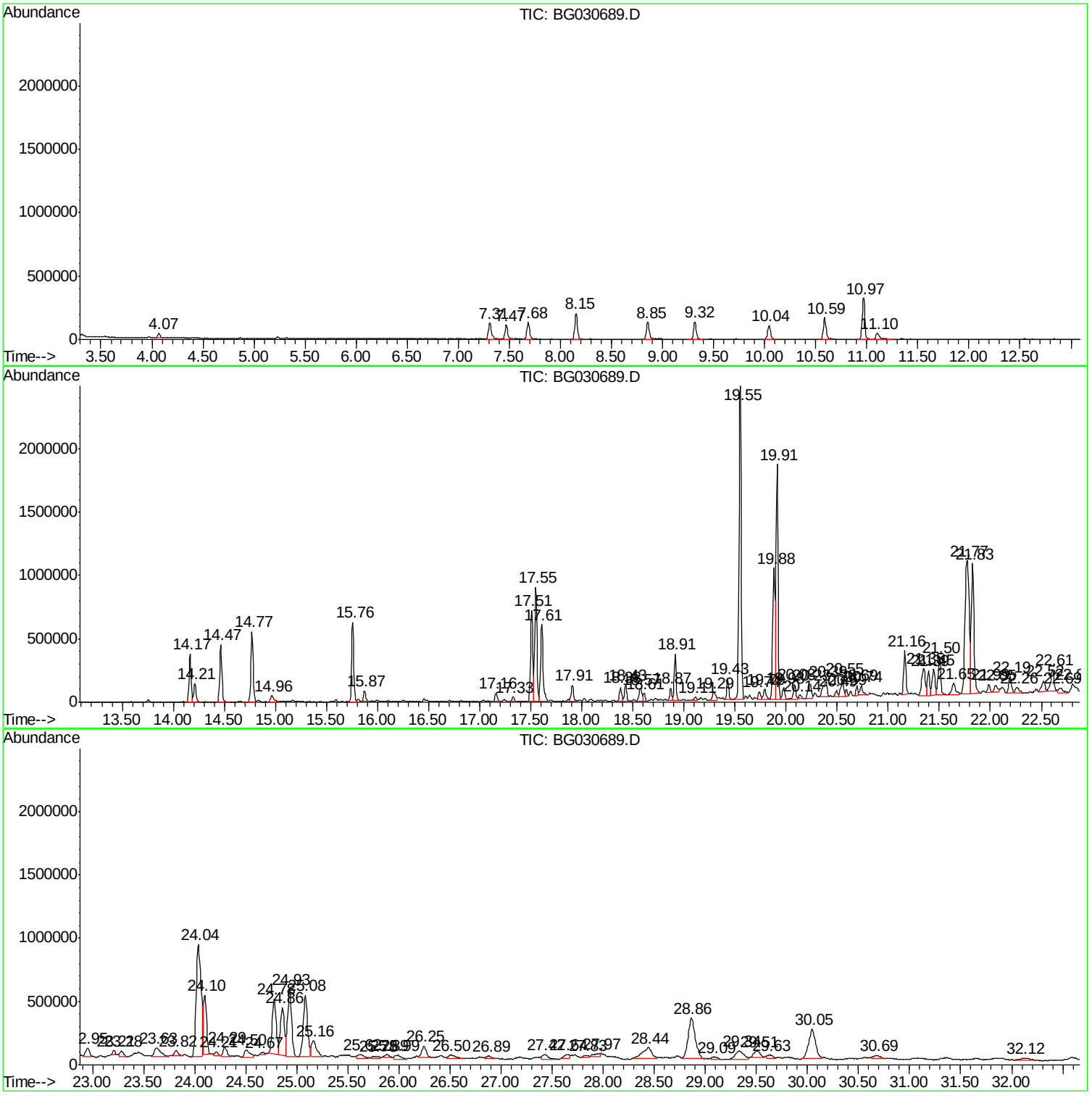
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AH4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

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



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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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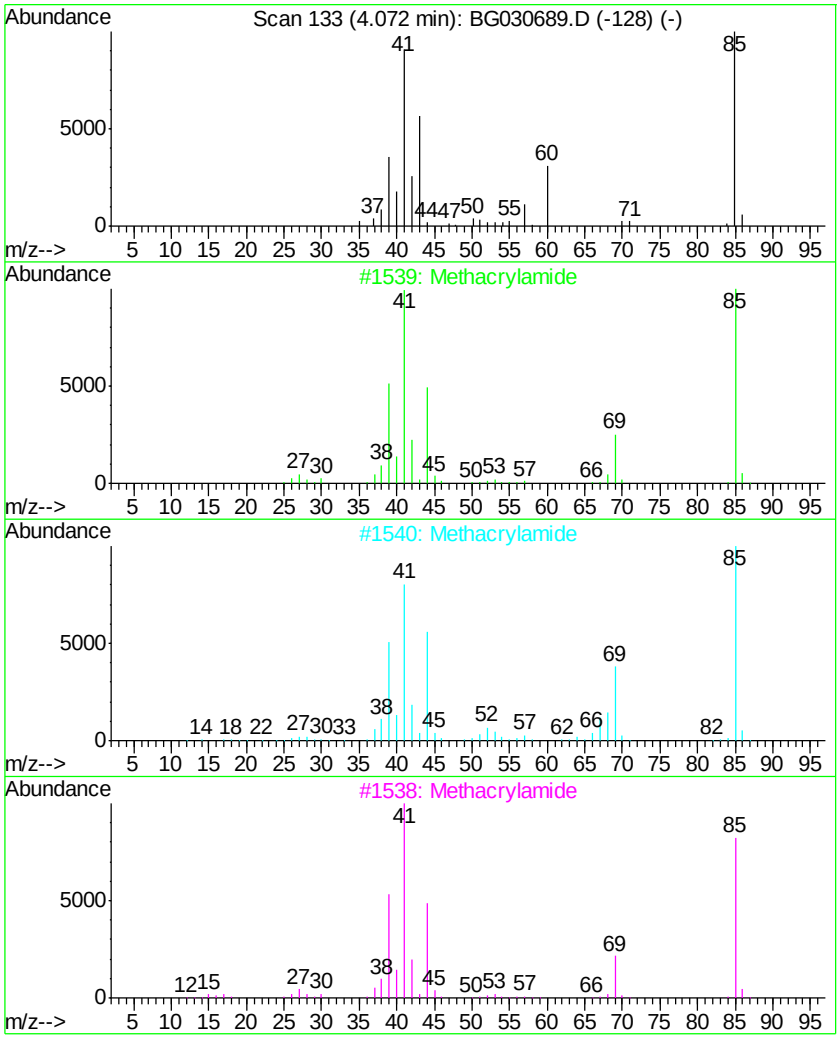
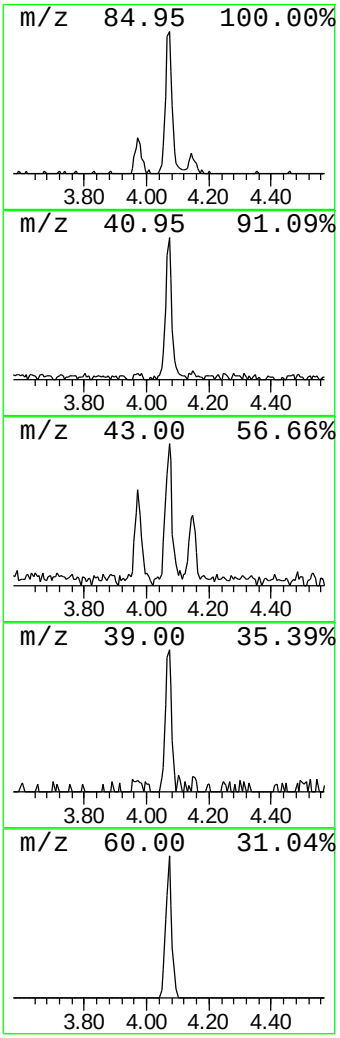
Peak Number 1 Methacrylamide Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.07	3.16 ng/ul	55736	1,4-Dichlorobenzene-d4	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methacrylamide	85	C4H7NO	000079-39-0	58
2	Methacrylamide	85	C4H7NO	000079-39-0	47
3	Methacrylamide	85	C4H7NO	000079-39-0	45
4	2-Pyrrolidinone	85	C4H7NO	000616-45-5	25
5	Ethenamine, N-methyl-N-nitroso-	86	C3H6N2O	004549-40-0	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110317\
Data File : BG030689.D
Acq On : 3 Nov 2017 8:03
Operator : SJ/JU
Sample : I5844-20
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AH4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

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

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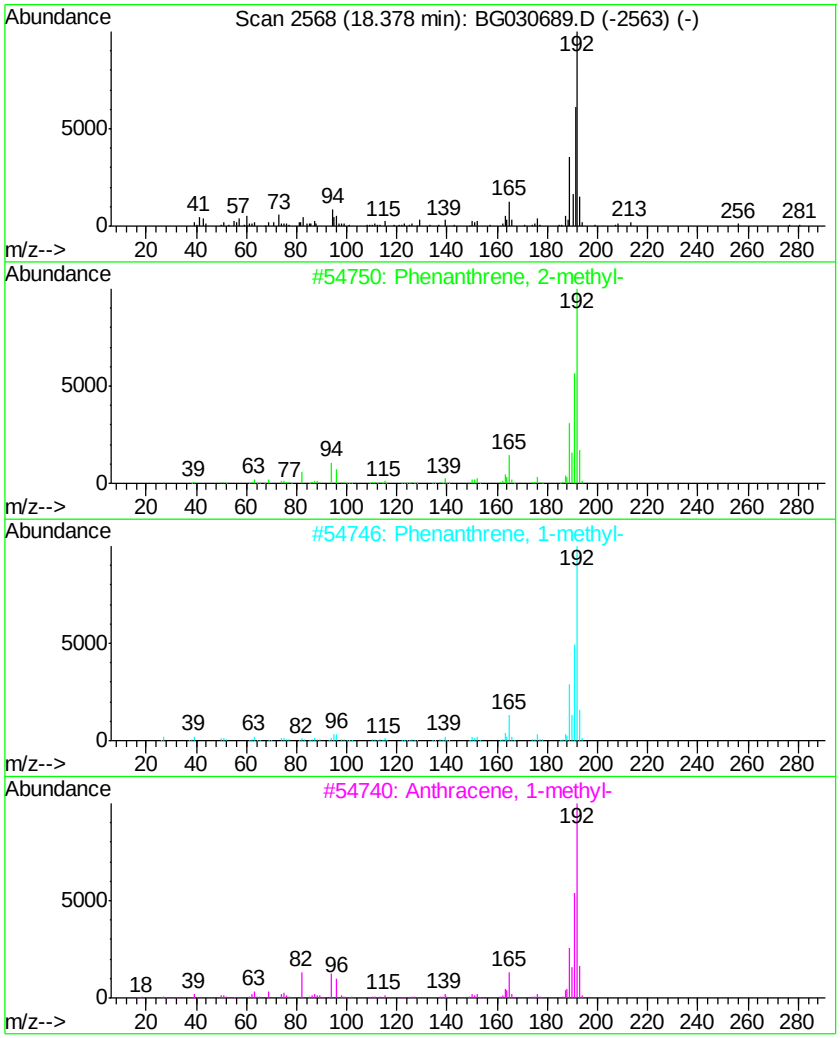
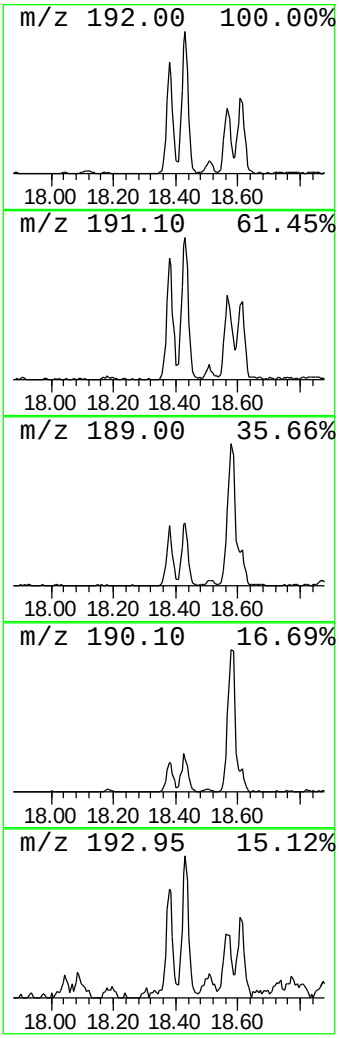
Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	2.87 ng/ul	156846	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





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Data File : BG030689.D
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Sample : I5844-20
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AH4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

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

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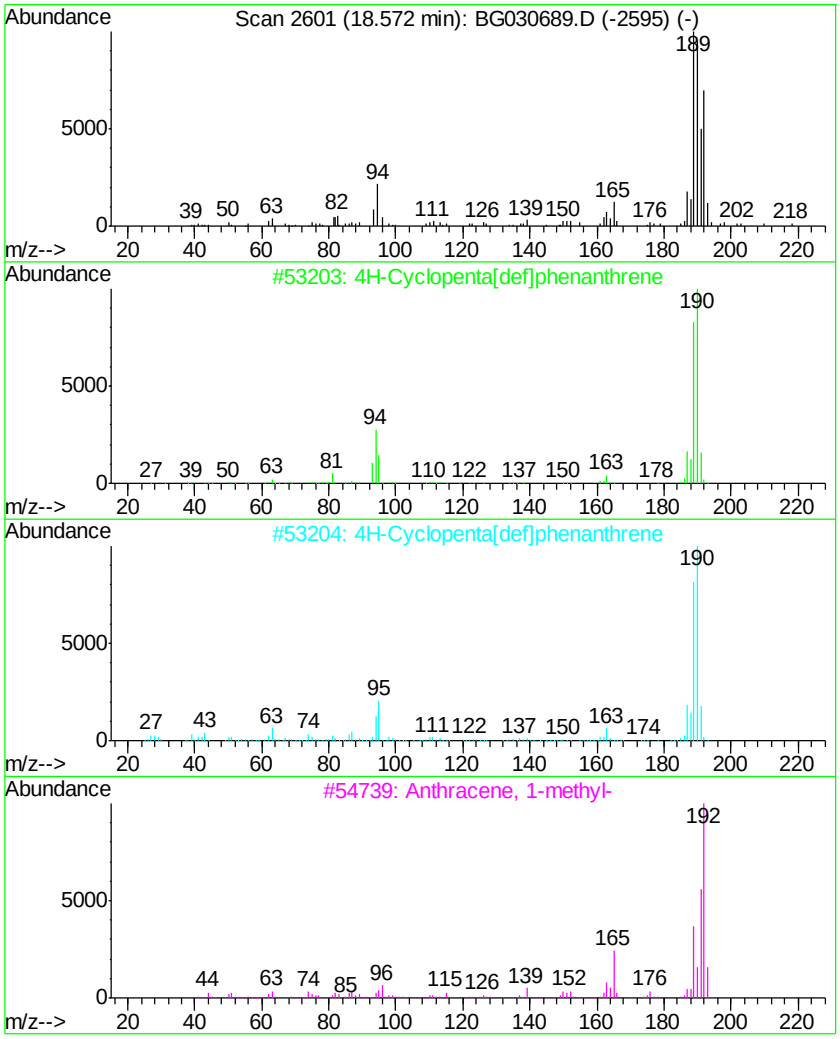
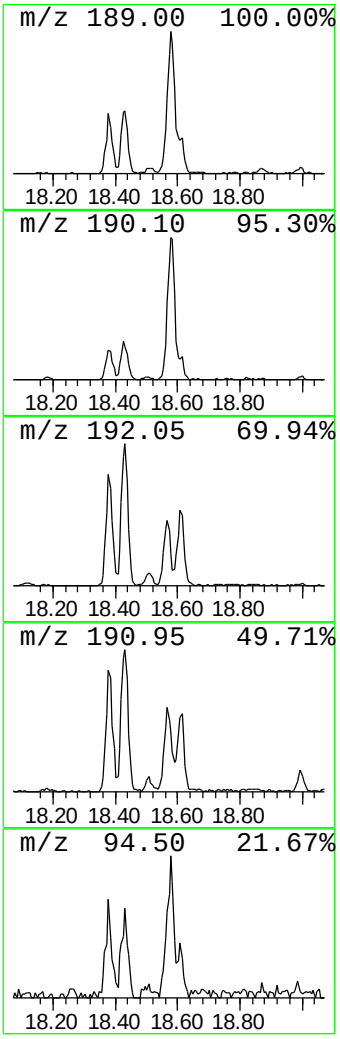
Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	3.63 ng/ul	198689	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	43
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	38





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AH4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

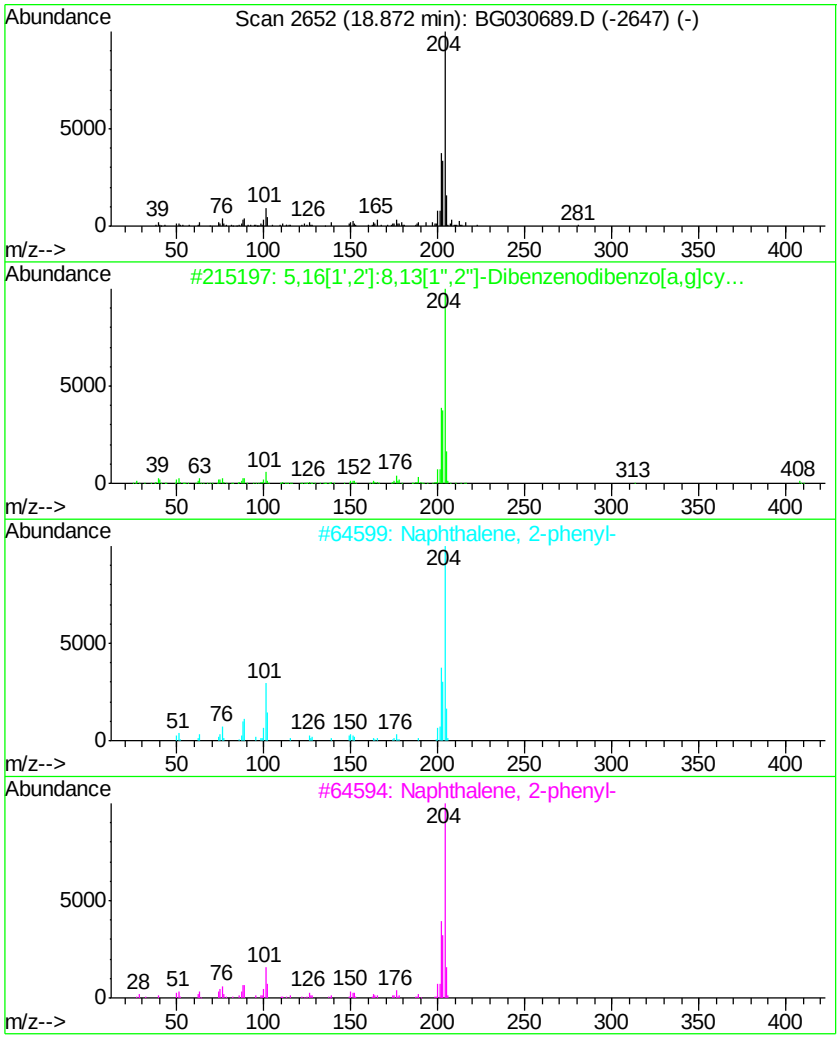
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

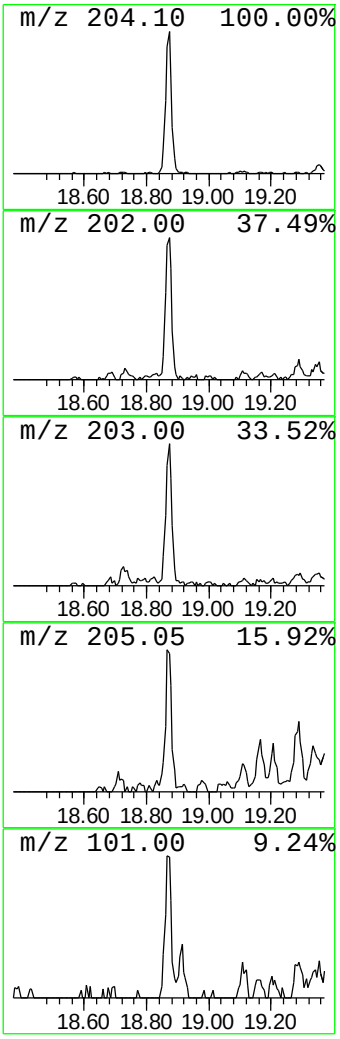
****

Peak Number 5 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	2.57 ng/ul	140398	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	83





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Operator : SJ/JU
Sample : I5844-20
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AH4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

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

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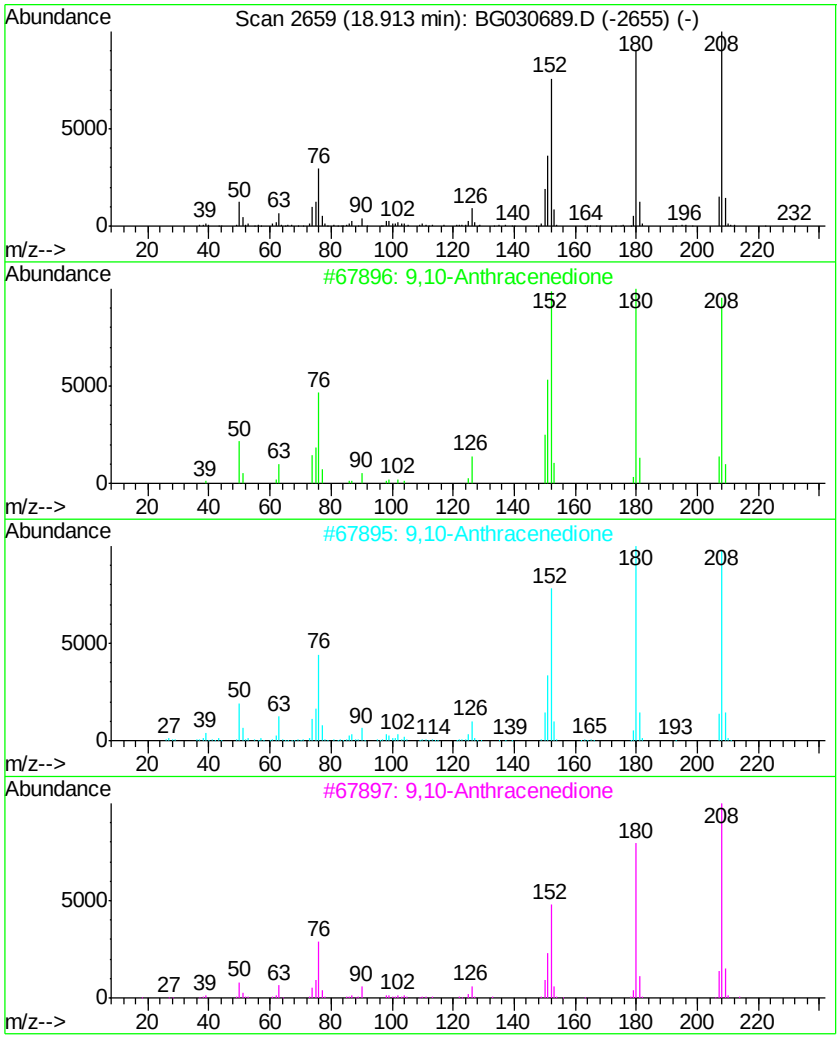
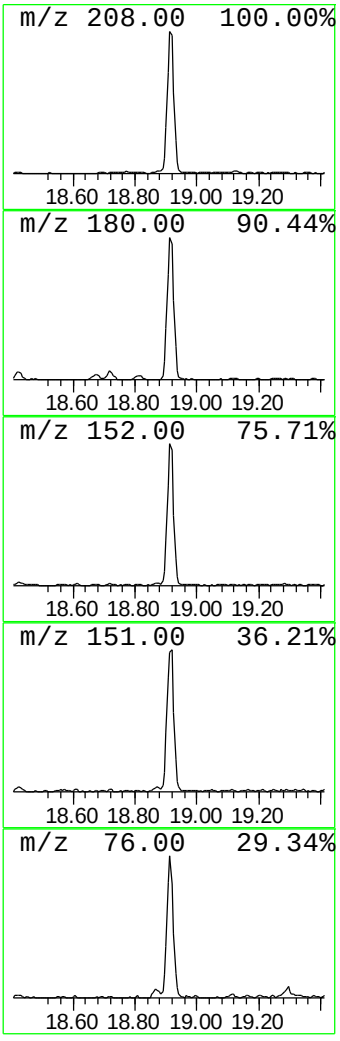
Peak Number 6 9,10-Anthracenedione Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	9.79 ng/ul	535572	Phenanthrene-d10	17.51

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	97
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64





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Operator : SJ/JU
Sample : I5844-20
Misc :
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Instrument : BNA_G
ClientSampleId : C0AH4

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Quant Title : SVOA CALIBRATION

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

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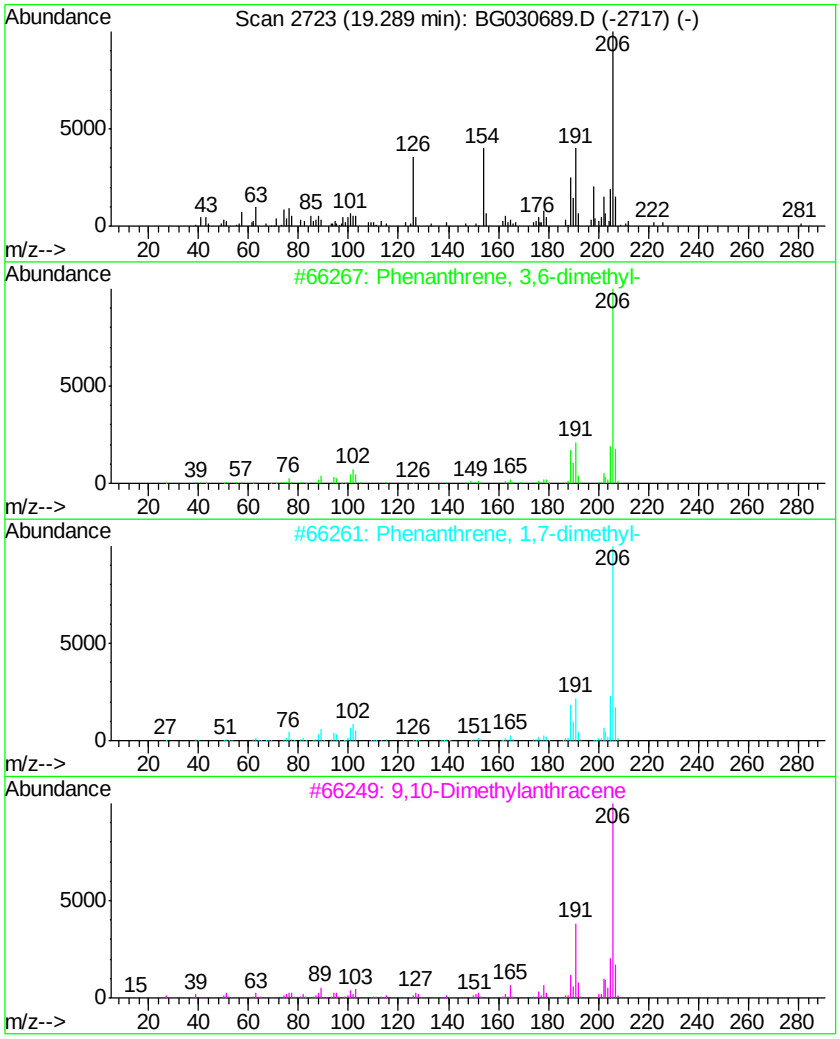
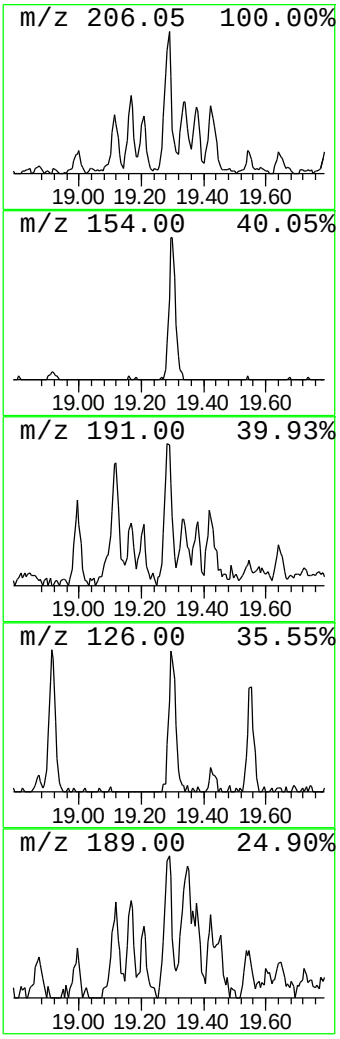
Peak Number 7 Phenanthrene, 3,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.29	2.64 ng/ul	144396	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	70
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	60
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	60
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	55





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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AH4

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Quant Title : SVOA CALIBRATION

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

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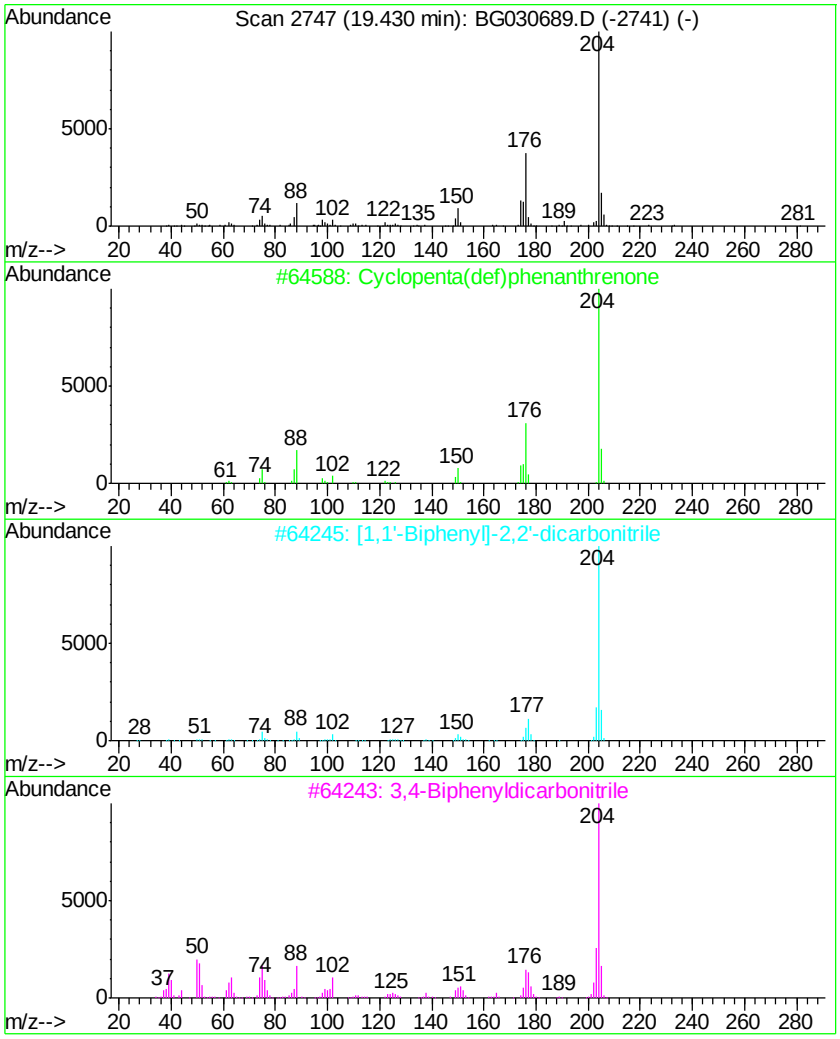
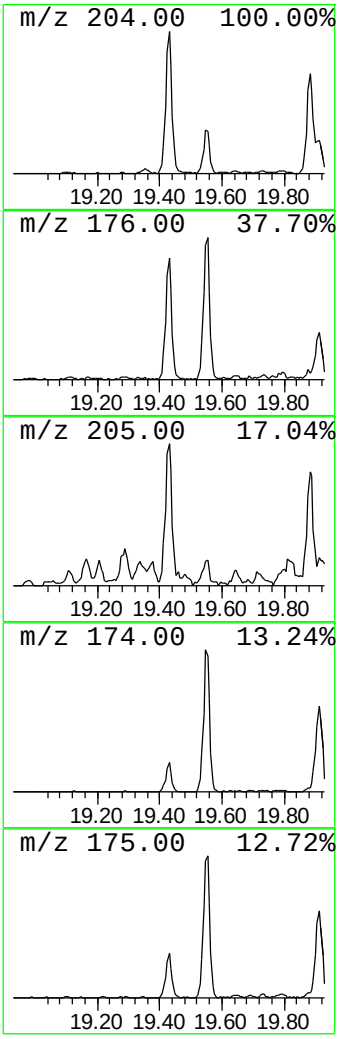
Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.43	4.50 ng/ul	245973	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	47
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	47





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Instrument : BNA_G
ClientSampleId : C0AH4

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Quant Title : SVOA CALIBRATION

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

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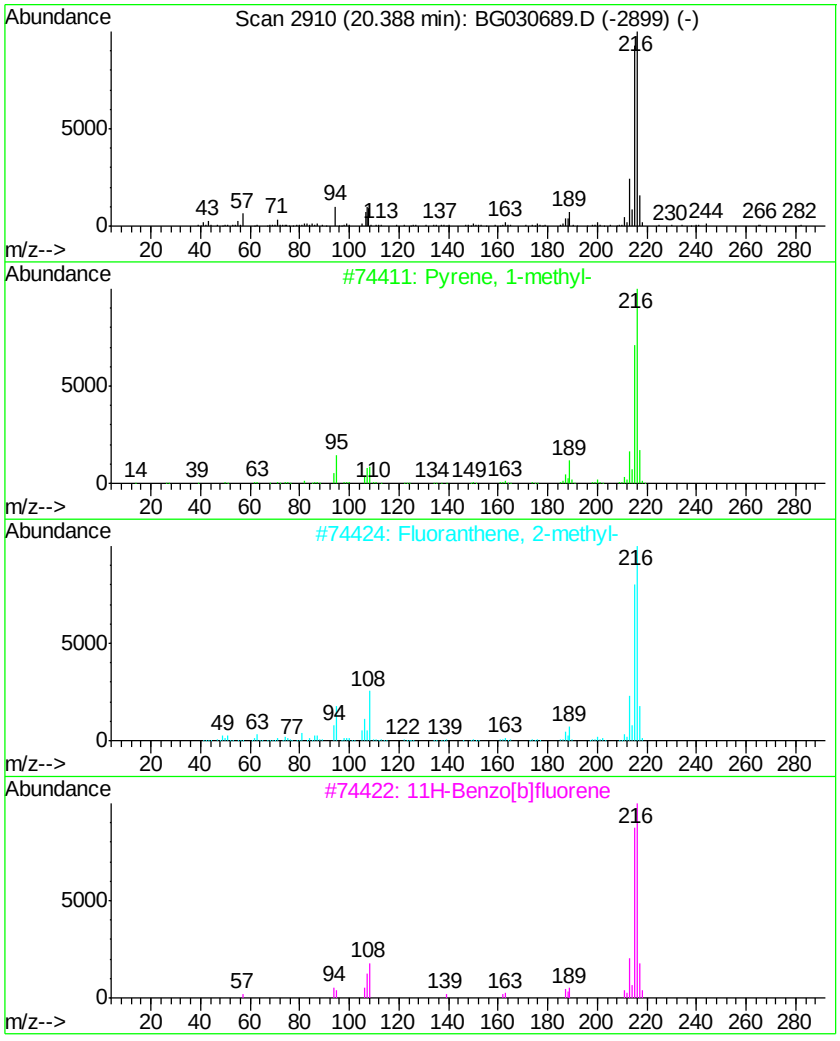
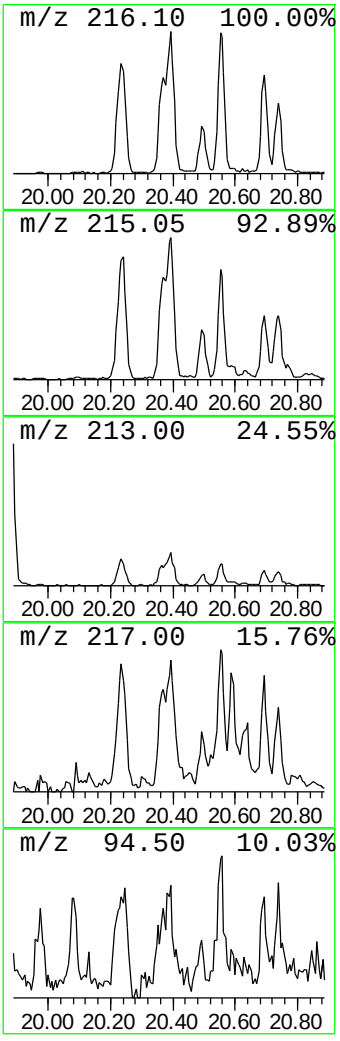
Peak Number 9 Pyrene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.39	2.40 ng/ul	360247	Chrysene-d12	21.78

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





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Instrument : BNA_G
ClientSampleId : C0AH4

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Quant Title : SVOA CALIBRATION

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

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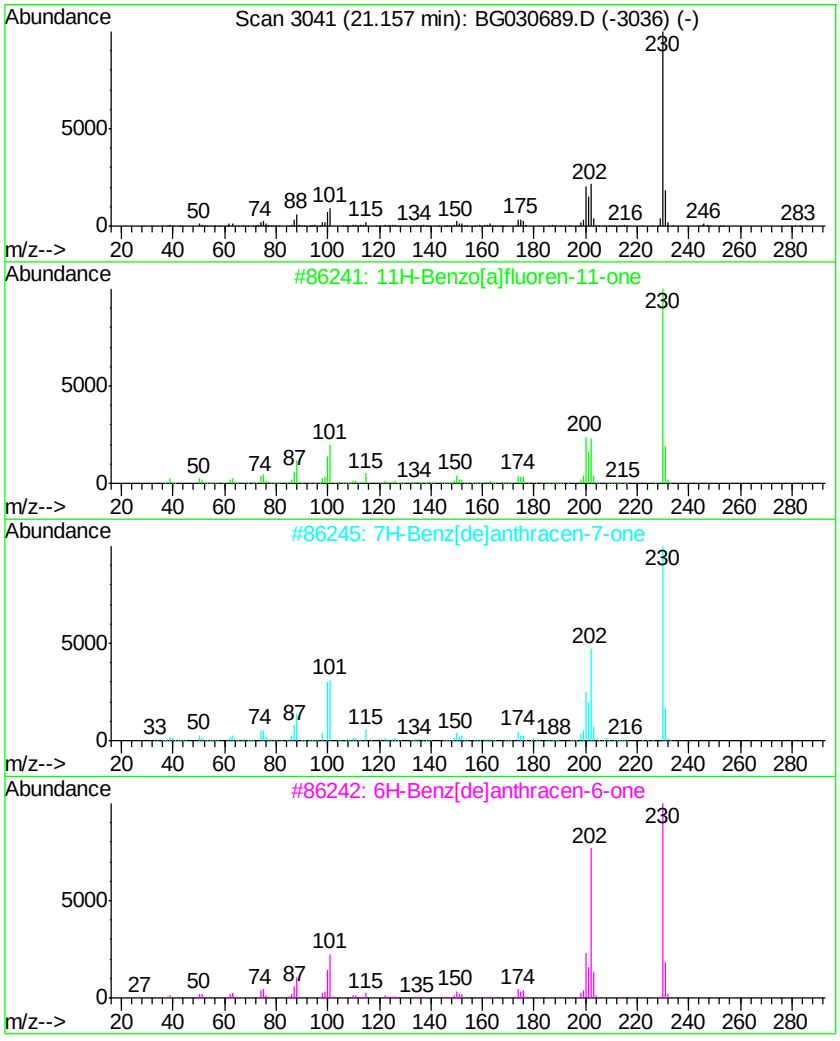
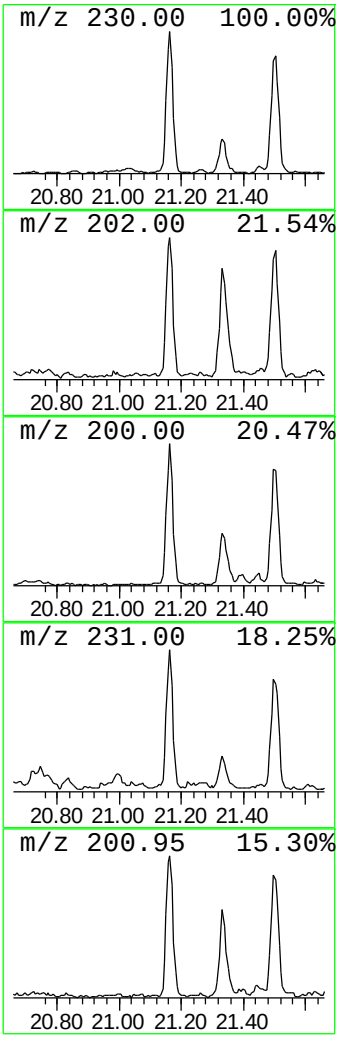
Peak Number 10 11H-Benzo[a]fluoren-11-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.16	3.38 ng/ul	507782	Chrysene-d12	21.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	89
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	78





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Instrument : BNA_G
ClientSampleId : C0AH4

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Quant Title : SVOA CALIBRATION

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

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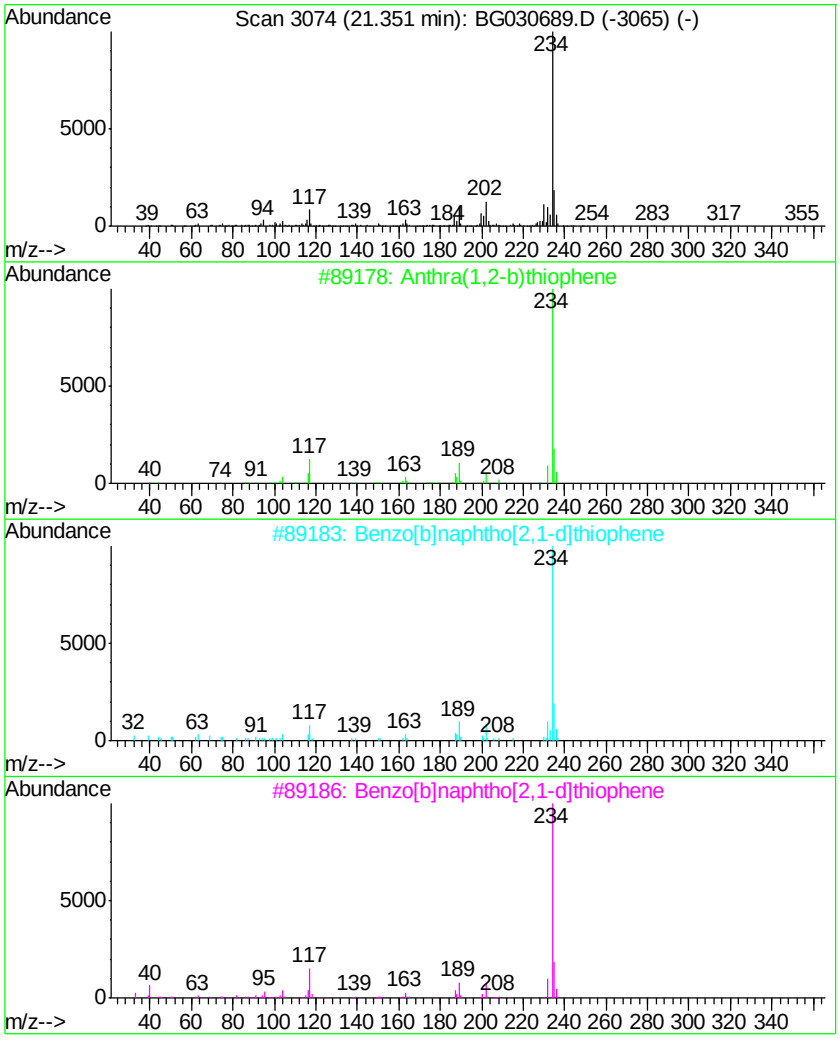
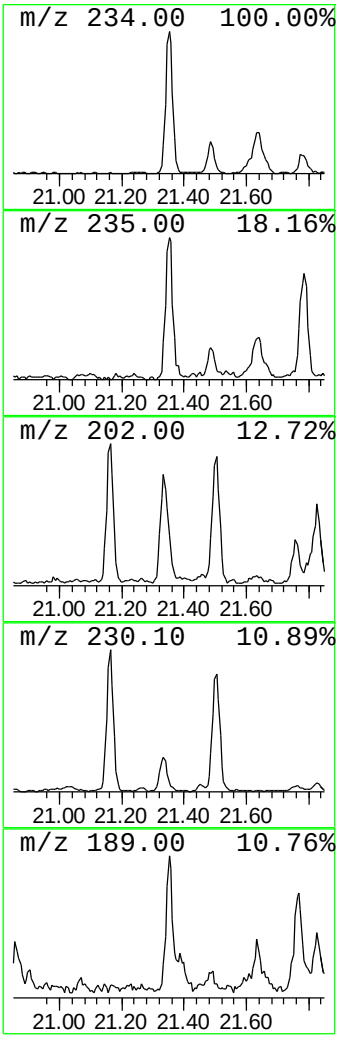
Peak Number 11 Anthra(1,2-b)thiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.35	3.34 ng/ul	501484	Chrysene-d12	21.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	86
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	76
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	70
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	70





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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AH4

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Quant Title : SVOA CALIBRATION

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

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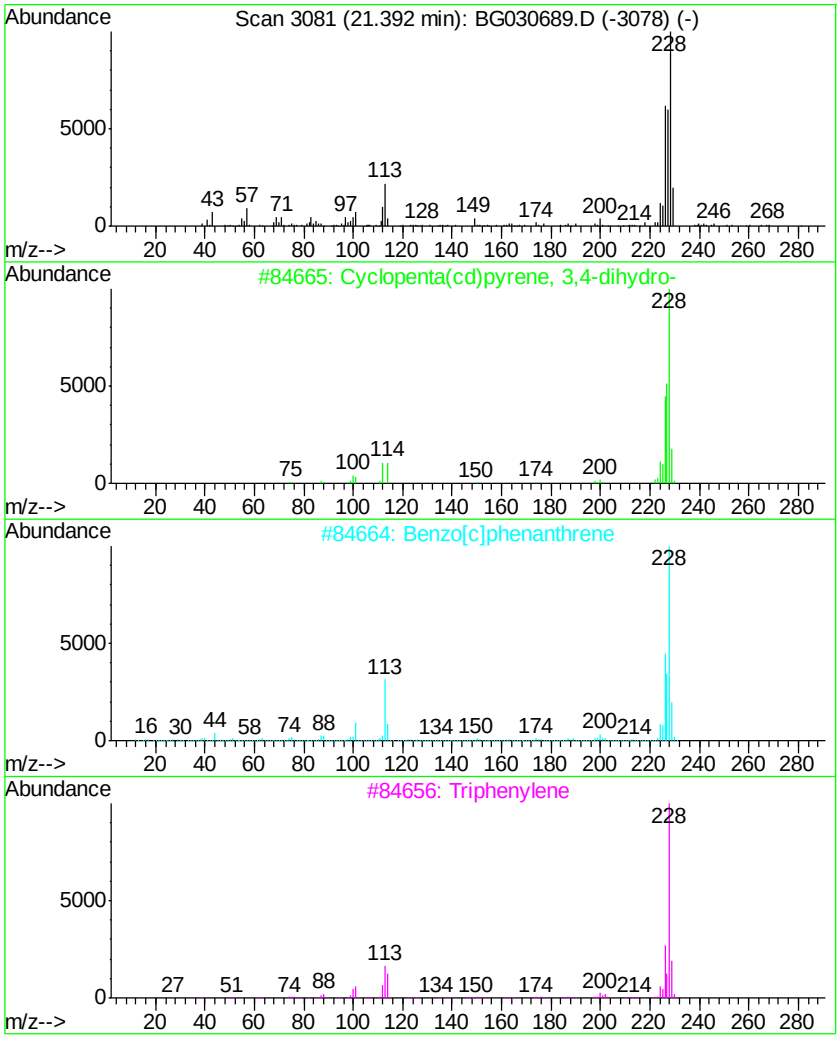
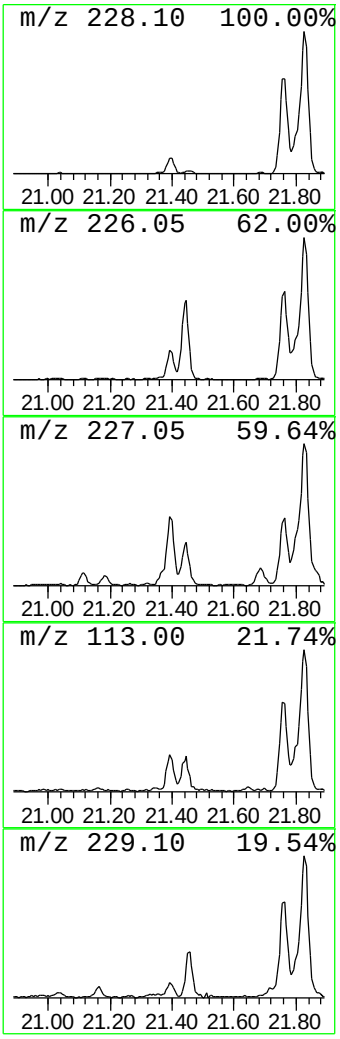
Peak Number 12 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.39	2.09 ng/ul	314062	Chrysene-d12	21.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	78
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	58
3	Triphenylene	228	C18H12	000217-59-4	53
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	52
5	Triphenylene	228	C18H12	000217-59-4	49





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Sample : I5844-20
Misc :
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Instrument : BNA_G
ClientSampleId : C0AH4

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Quant Title : SVOA CALIBRATION

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

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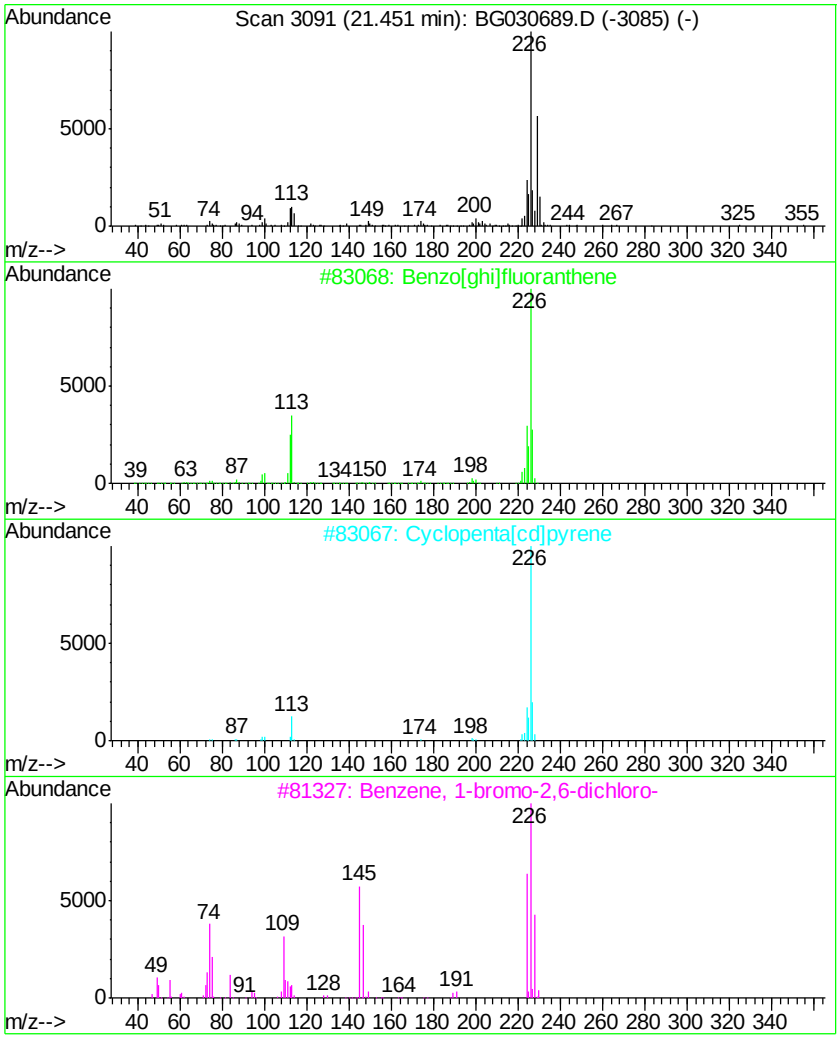
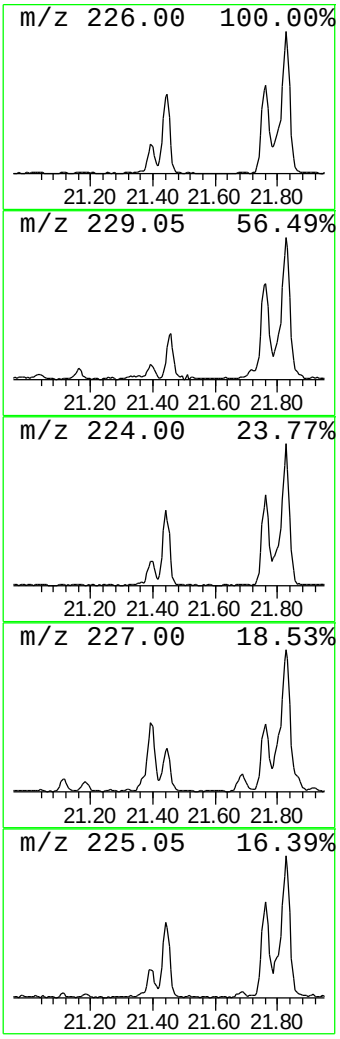
Peak Number 13 Benzo[ghi]fluoranthene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.45	2.59 ng/ul	388621	Chrysene-d12	21.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	70
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	60
3	Benzene, 1-bromo-2,6-dichloro-	224	C6H3BrCl2	019393-92-1	53
4	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	50
5	2,2'-Oxydibenzaldehyde	226	C14H10O3	049590-51-4	47





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Instrument : BNA_G
ClientSampleId : C0AH4

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Quant Title : SVOA CALIBRATION

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

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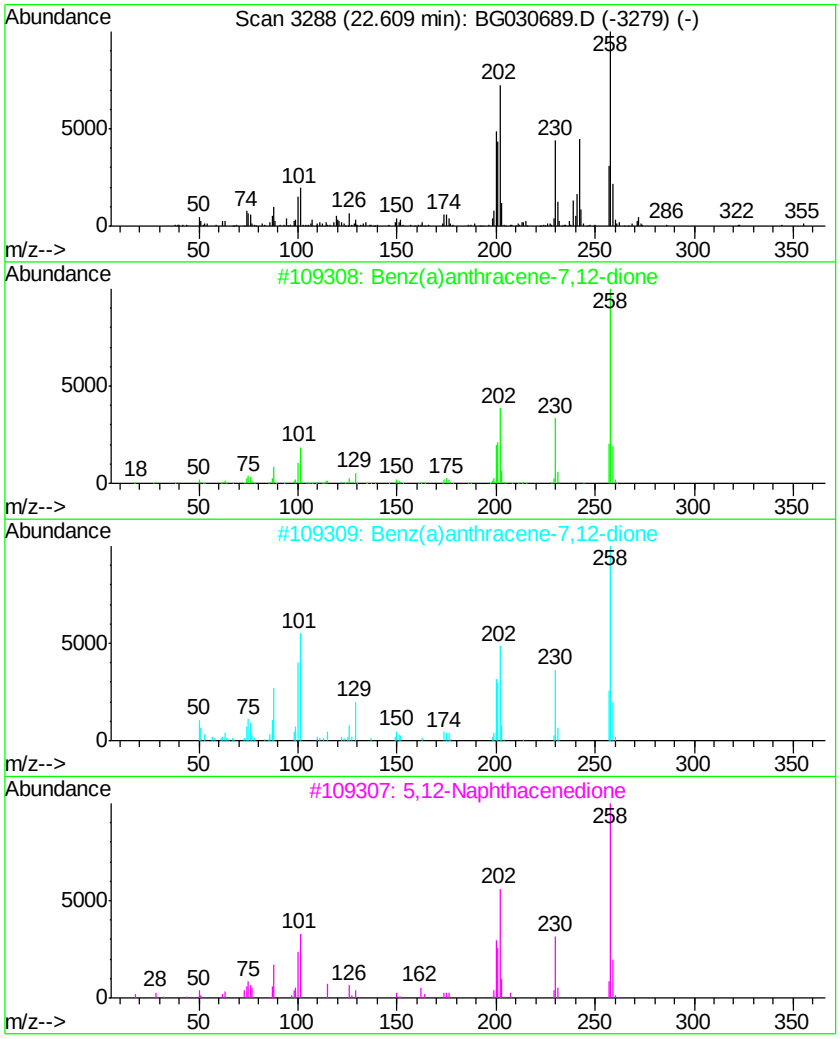
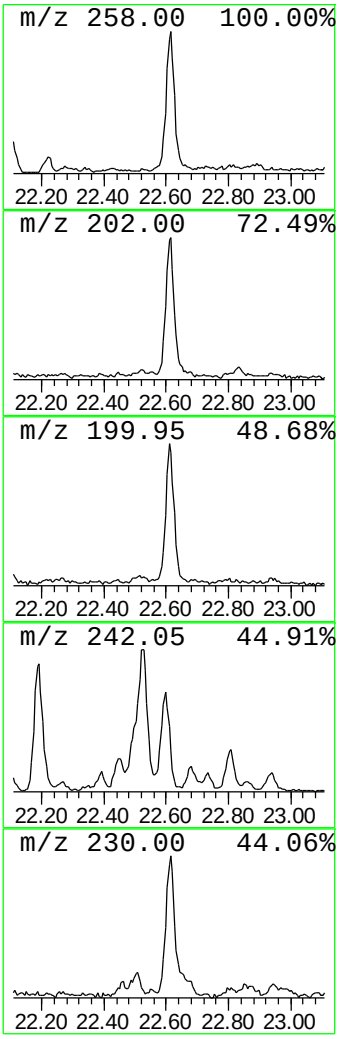
Peak Number 15 Benz(a)anthracene-7,12-dione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.61	2.60 ng/ul	390528	Chrysene-d12	21.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	93
2	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	93
3	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	90
4	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	70
5	1,8-Anthracenedinitrile, 9,10-di...	258	C16H6N2O2	090866-50-5	53





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Instrument : BNA_G
ClientSampleId : C0AH4

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Quant Title : SVOA CALIBRATION

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

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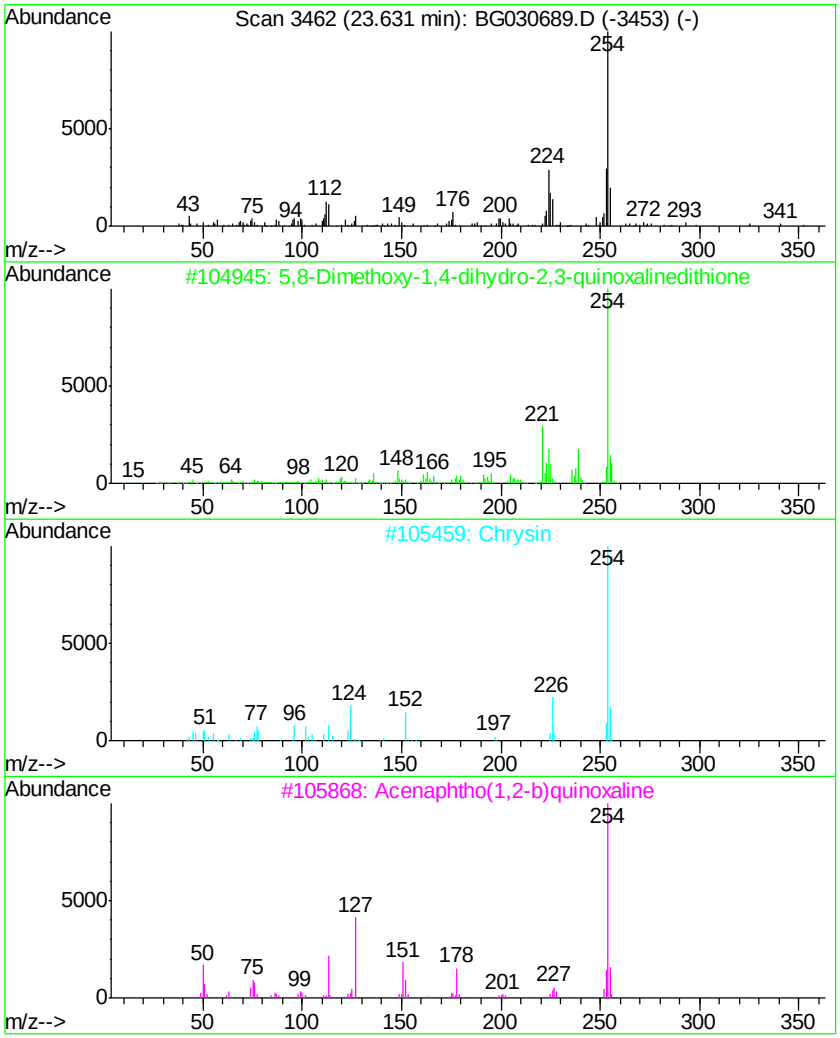
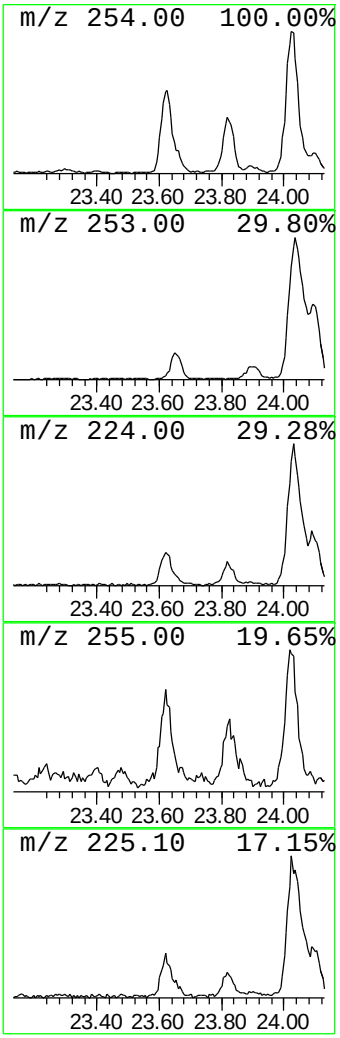
Peak Number 16 5,8-Dimethoxy-1,4-dihydro-2... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.63	3.78 ng/ul	271242	Perylene-d12	25.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,8-Dimethoxy-1,4-dihydro-2,3-qu...	254	C10H10N2O2S2	001790-96-1	53
2	Chrysin	254	C15H10O4	000480-40-0	53
3	Acenaphtho(1,2-b)quinoxaline	254	C18H10N2	000207-11-4	50
4	1H-Pyrano[2,3-c]pyrazol-6-one, 3...	254	C15H14N2O2	1000316-21-1	50
5	3-Hydroxy-1-methoxyanthraquinone	254	C15H10O4	028504-24-7	50





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Quant Title : SVOA CALIBRATION

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

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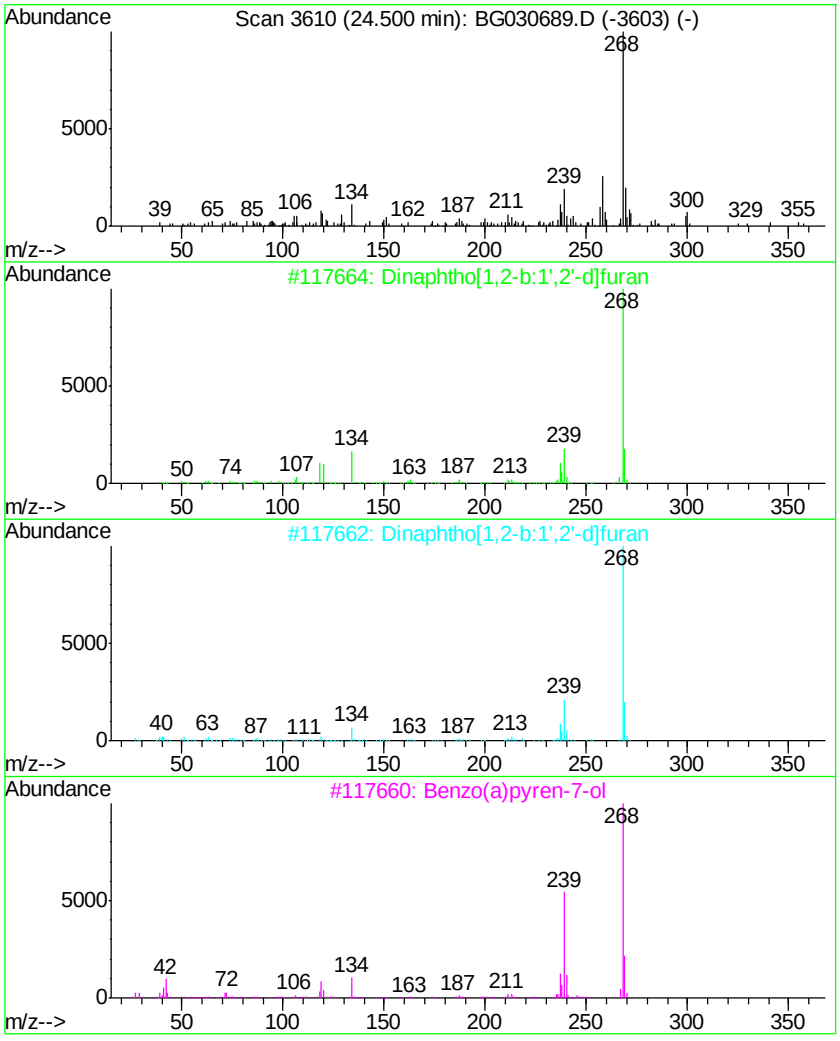
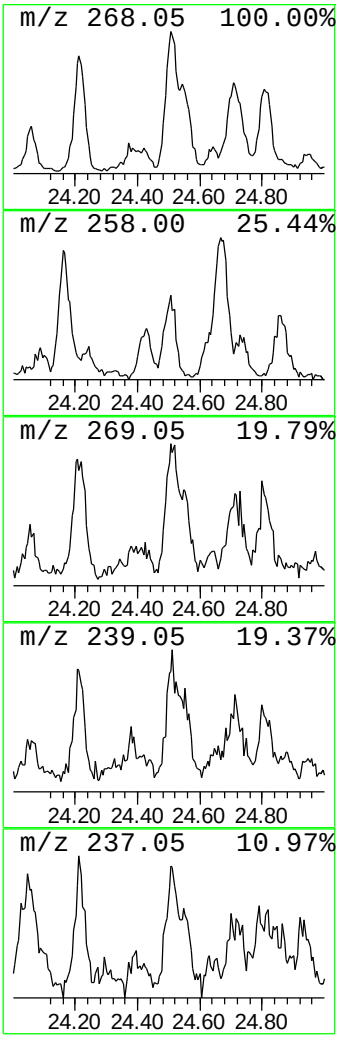
Peak Number 18 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.50	3.25 ng/ul	233166	Perylene-d12	25.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	89
2	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	76
3	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	53
4	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	53
5	10-Hydroxy-5-methoxy-2-methyl-1,...	268	C16H12O4	084542-45-0	53





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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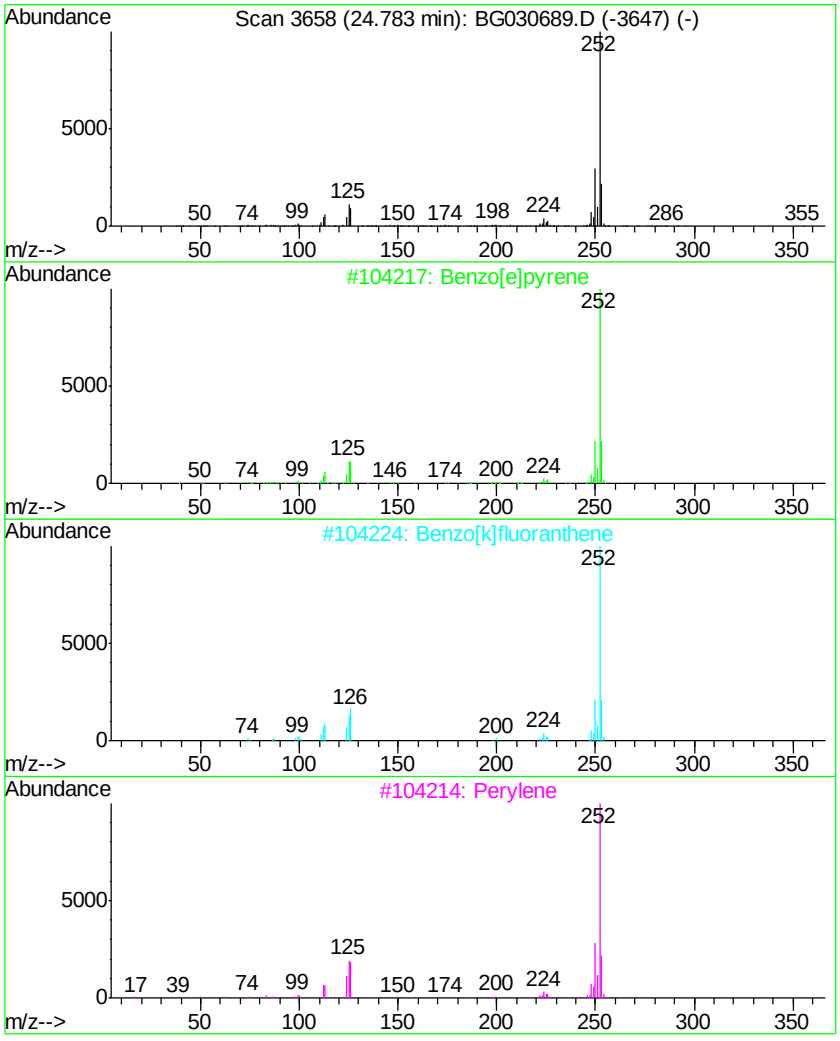
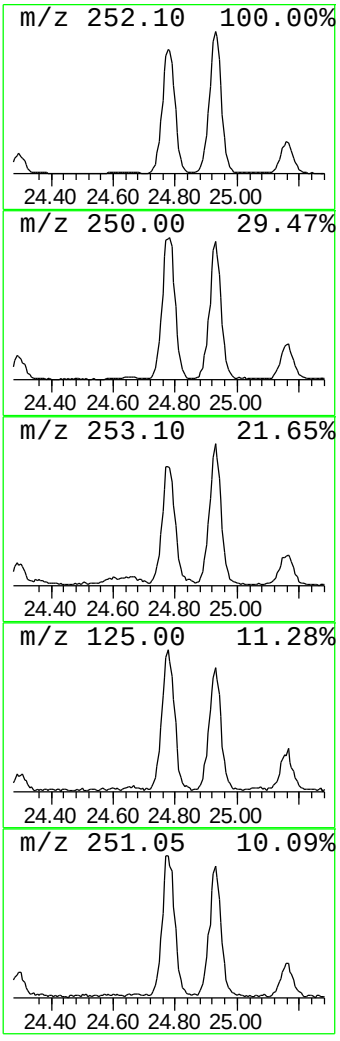
Peak Number 19 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.78	17.32 ng/ul	1242270	Perylene-d12	25.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	96
4	Perylene	252	C20H12	000198-55-0	94
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





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Quant Title : SVOA CALIBRATION

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

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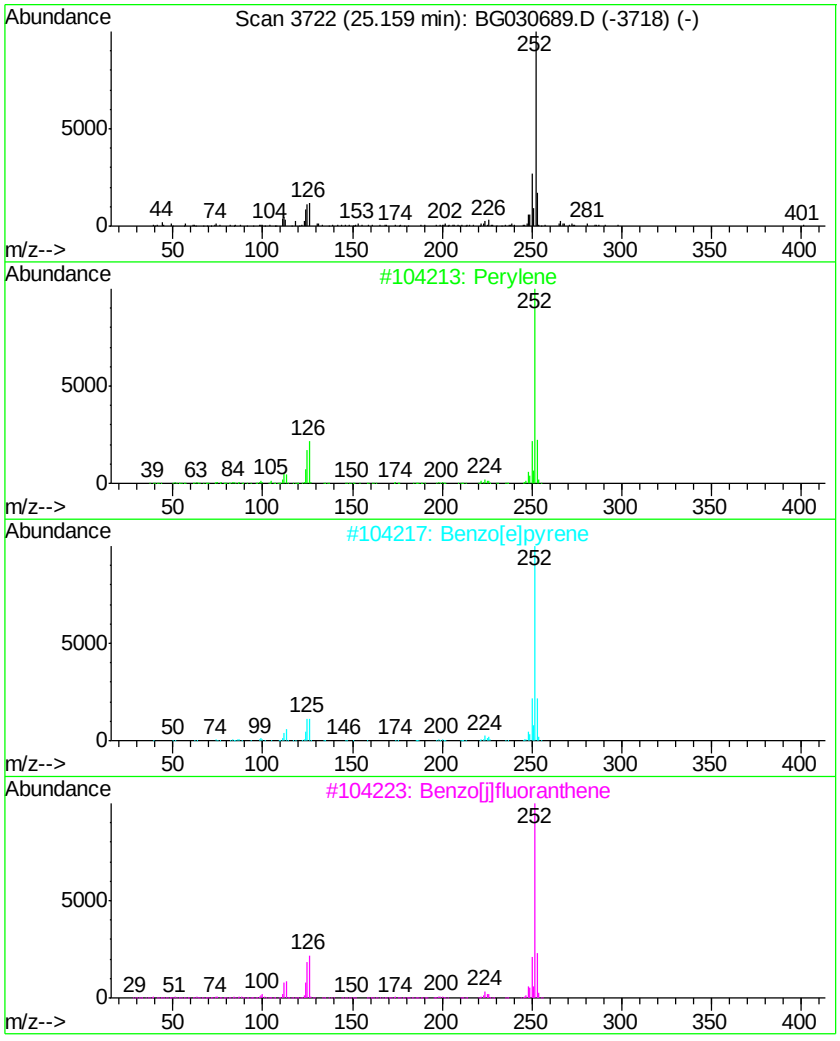
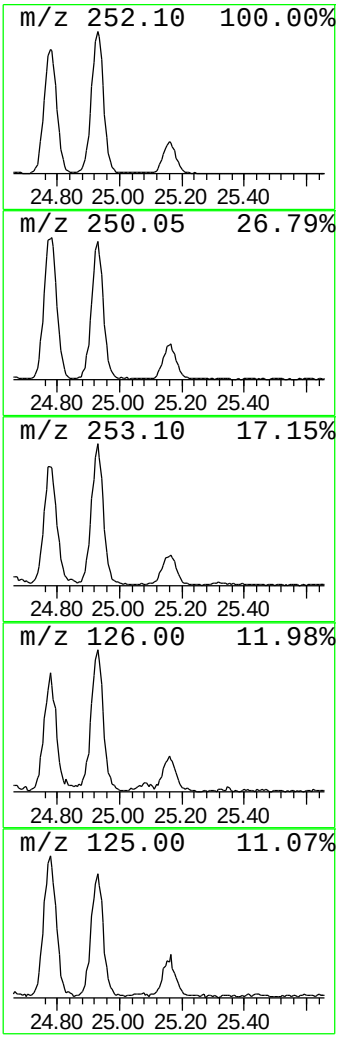
Peak Number 20 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.16	5.95 ng/ul	426395	Perylene-d12	25.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	93
2	Benzo[e]pyrene	252	C20H12	000192-97-2	91
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89
4	Benzo[e]pyrene	252	C20H12	000192-97-2	89
5	Perylene	252	C20H12	000198-55-0	89





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Acq On : 3 Nov 2017 8:03
Operator : SJ/JU
Sample : I5844-20
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AH4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

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

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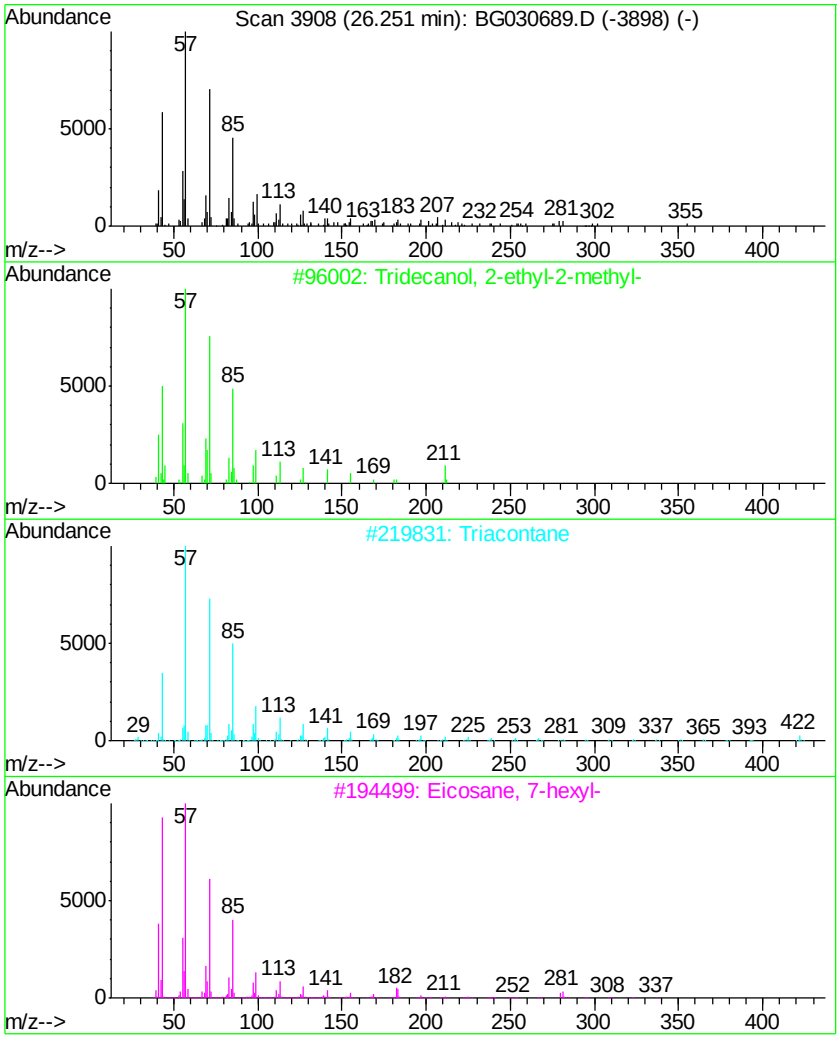
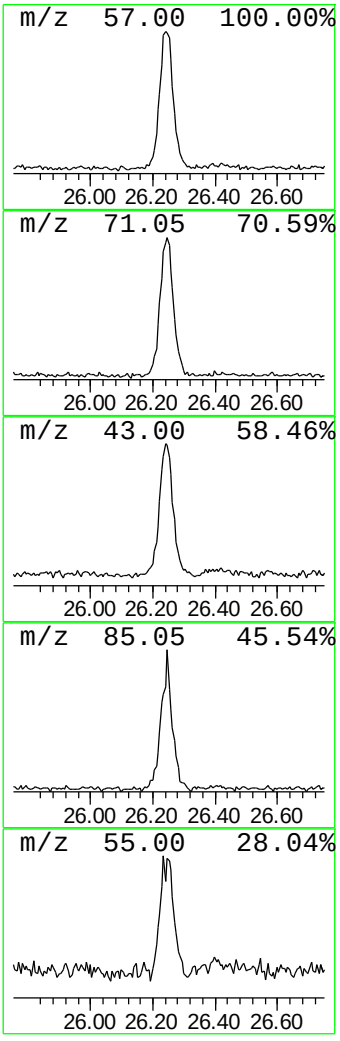
Peak Number 21 Tridecanol, 2-ethyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.25	4.16 ng/ul	298195	Perylene-d12	25.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanol, 2-ethyl-2-methyl-	242	C16H34O	1000115-66-1	87
2	Triacontane	422	C30H62	000638-68-6	87
3	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	86
4	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	83
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80





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Acq On : 3 Nov 2017 8:03
Operator : SJ/JU
Sample : I5844-20
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AH4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

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

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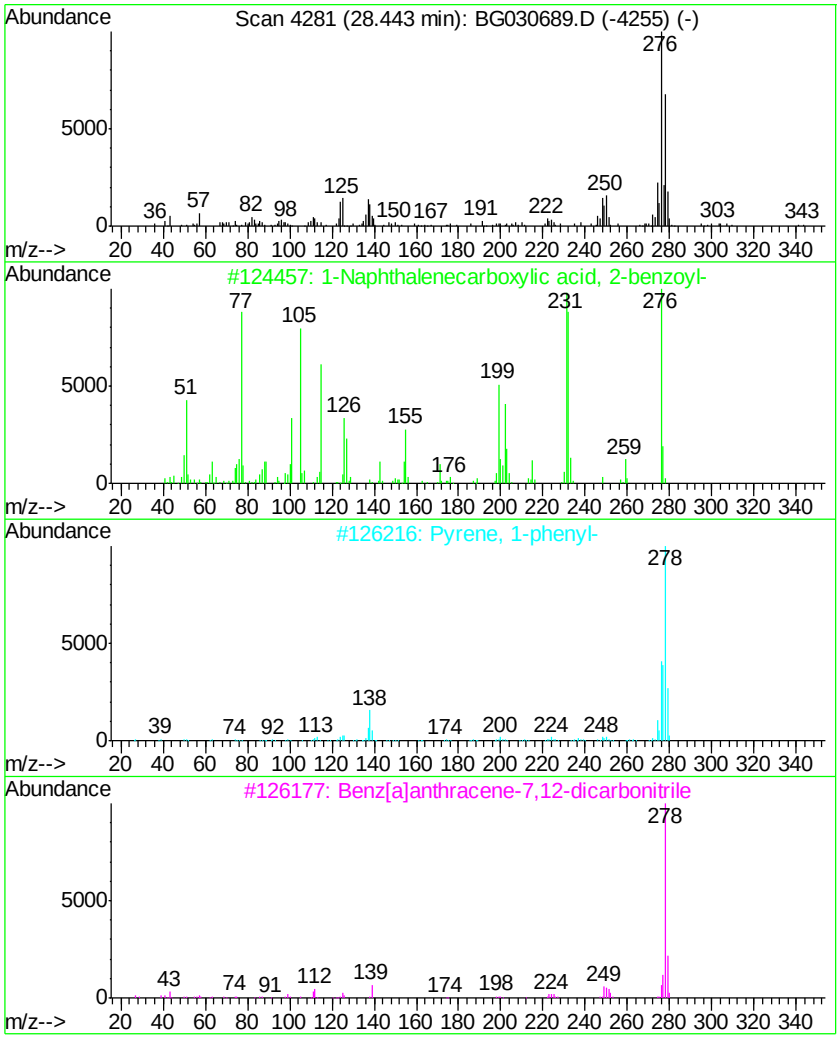
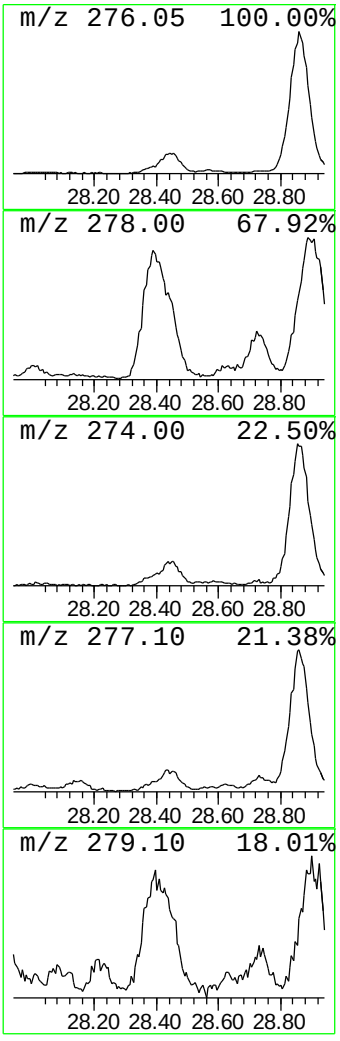
Peak Number 22 1-Naphthalenecarboxylic aci... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.44	7.41 ng/ul	531193	Perylene-d12	25.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenecarboxylic acid, 2-...	276	C18H12O3	038119-11-8	70
2	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	50
3	Benz[a]anthracene-7,12-dicarboni...	278	C20H10N2	035215-32-8	46
4	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	46
5	2,2,2-Trifluoro-N-(4-methoxy-1,3...	276	C10H7F3N2O2S	1000373-11-3	46





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110317\
Data File : BG030689.D
Acq On : 3 Nov 2017 8:03
Operator : SJ/JU
Sample : I5844-20
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AH4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION

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

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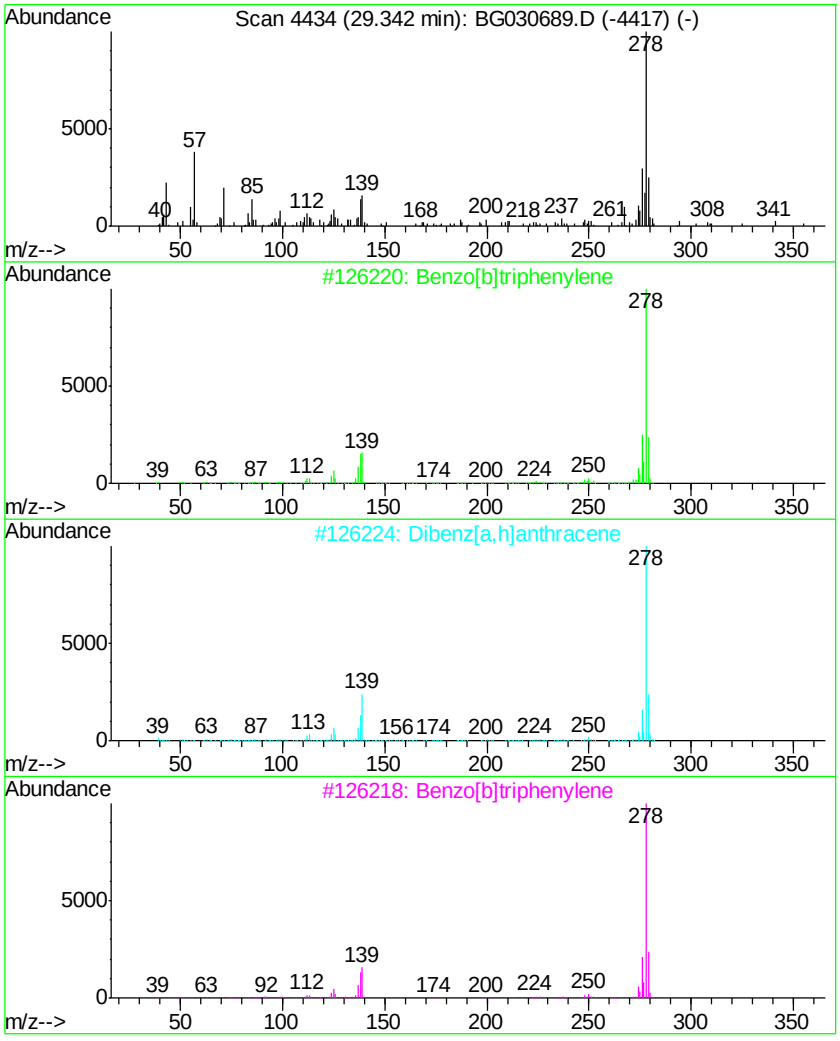
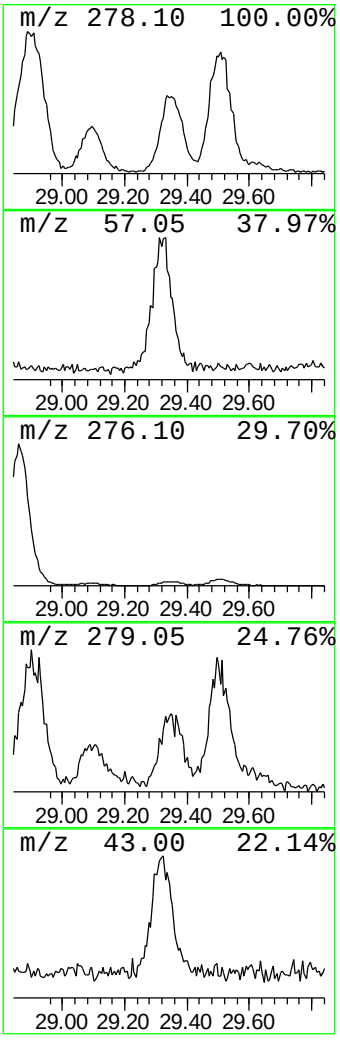
Peak Number 23 Benzo[b]triphenylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.34	5.24 ng/ul	376067	Perylene-d12	25.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	86
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	76
4	Picene	278	C22H14	000213-46-7	76
5	Benzo[b]triphenylene	278	C22H14	000215-58-7	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG110317\
Data File : BG030689.D
Acq On : 3 Nov 2017 8:03
Operator : SJ/JU
Sample : I5844-20
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AH4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG101417.M
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
Methacrylamide	4.07	3.2	ng/ul	55736	1	8.15	352957	20.0
Phenanthrene, 2-m...	18.38	2.9	ng/ul	156846	4	17.51	1094420	20.0
4H-Cyclopenta[def...	18.57	3.6	ng/ul	198689	4	17.51	1094420	20.0
5,16[1',2']:8,13[...	18.87	2.6	ng/ul	140398	4	17.51	1094420	20.0
9,10-Anthracenedione	18.91	9.8	ng/ul	535572	4	17.51	1094420	20.0
Phenanthrene, 3,6...	19.29	2.6	ng/ul	144396	4	17.51	1094420	20.0
Cyclopenta(def)ph...	19.43	4.5	ng/ul	245973	4	17.51	1094420	20.0
Pyrene, 1-methyl-	20.39	2.4	ng/ul	360247	5	21.78	3001620	20.0
11H-Benzo[a]fluor...	21.16	3.4	ng/ul	507782	5	21.78	3001620	20.0
Anthra(1,2-b)thio...	21.35	3.3	ng/ul	501484	5	21.78	3001620	20.0
Cyclopenta(cd)pyr...	21.39	2.1	ng/ul	314062	5	21.78	3001620	20.0
Benzo[ghi]fluoran...	21.45	2.6	ng/ul	388621	5	21.78	3001620	20.0
Benz(a)anthracene...	22.61	2.6	ng/ul	390528	5	21.78	3001620	20.0
5,8-Dimethoxy-1,4...	23.63	3.8	ng/ul	271242	6	25.08	1434250	20.0
Dinaphtho[1,2-b:1...	24.50	3.3	ng/ul	233166	6	25.08	1434250	20.0
Benzo[e]pyrene	24.78	17.3	ng/ul	1242270	6	25.08	1434250	20.0
Perylene	25.16	6.0	ng/ul	426395	6	25.08	1434250	20.0
Tridecanol, 2-eth...	26.25	4.2	ng/ul	298195	6	25.08	1434250	20.0
1-Naphthalenecarb...	28.44	7.4	ng/ul	531193	6	25.08	1434250	20.0
Benzo[b]triphenylene	29.34	5.2	ng/ul	376067	6	25.08	1434250	20.0