LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020721.D
Acq On : 14 Jan 2016 4:49
Operator : SJ/IZ
Sample : H1096-05 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC935

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_G\METHODS\SOM02.2-EPA-BG011216.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	3.050	31	36	41	rBV3	13814	24319	2.78%	0.231%
2	3.132	45	50	56	rVB	13364	19159	2.19%	0.182%
3	8.044	880	886	897	rVB	56394	95811	10.95%	0.909%
4	10.859	1358	1365	1371	rBV	85704	151473	17.31%	1.437%
5	14.078	1906	1913	1917	rVV2	13562	20815	2.38%	0.198%
6	14.378	1958	1964	1976	rBV	14977	26913	3.08%	0.255%
7	14.683	2007	2016	2023	rBV2	152840	245515	28.06%	2.330%
8	14.742	2023	2026	2032	rVB	9832	14344	1.64%	0.136%
9	15.077	2077	2083	2089	rBV3	6684	10730	1.23%	0.102%
10	15.671	2180	2184	2189	rVV	23370	32858	3.76%	0.312%
11	15.723	2189	2193	2200	rVV3	14083	23231	2.66%	0.220%
12	16.017	2238	2243	2253	rVV3	5016	10864	1.24%	0.103%
13	16.164	2265	2268	2276	rVB4	4991	9316	1.06%	0.088%
14	16.393	2304	2307	2313	rVV5	8816	14067	1.61%	0.133%
15	16.728	2353	2364	2369	rBV5	8907	22736	2.60%	0.216%
16	16.781	2369	2373	2377	rVV3	7337	11795	1.35%	0.112%
17	16.957	2395	2403	2407	rBV6	5289	13821	1.58%	0.131%
18	17.087	2417	2425	2431	rBV2	11970	19481	2.23%	0.185%
19	17.151	2431	2436	2442	rBV6	8628	13722	1.57%	0.130%
20	17.245	2448	2452	2462	rVB	14055	23755	2.72%	0.225%
21	17.427	2477	2483	2487	rBV	221457	333149	38.08%	3.161%
22	17.468	2487	2490	2496	rVV	230849	327014	37.38%	3.103%
23	17.527	2496	2500	2503	rVV	28489	40279	4.60%	0.382%
24	17.562	2503	2506	2510	rVV	31149	40755	4.66%	0.387%
25	17.621	2510	2516	2520	rVB4	8102	14622	1.67%	0.139%
26	17.833	2546	2552	2559	rBV	19684	36722	4.20%	0.348%
27	17.938	2567	2570	2575	rVB	8942	9662	1.10%	0.092%
28	18.009	2575	2582	2588	rVB2	20485	34076	3.89%	0.323%
29	18.156	2602	2607	2613	rVB2	9547	16862	1.93%	0.160%
30	18.303	2626	2632	2636	rBV	71467	106814	12.21%	1.014%
31	18.350	2636	2640	2646	rVB	88859	131866	15.07%	1.251%
32	18.432	2648	2654	2659	rBV2	17023	28093	3.21%	0.267%
33	18.497	2659	2665	2669	rBV3	79919	163613	18.70%	1.553%
34	18.532	2669	2671	2676	rVB	57668	67738	7.74%	0.643%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020721.D
Acq On : 14 Jan 2016 4:49
Operator : SJ/IZ
Sample : H1096-05 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC935

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_G\METHODS\SOM02.2-EPA-BG011216.M
Title : SVOA CALIBRATION

35	18.696	2694	2699	2703	rBV4	10501	14543	1.66%	0.138%
36	18.796	2711	2716	2720	rBV2	44004	63343	7.24%	0.601%
37	18.843	2720	2724	2734	rVB3	61765	100542	11.49%	0.954%
38	18.920	2734	2737	2739	rBV	7940	9175	1.05%	0.087%
39	19.043	2750	2758	2762	rBV4	28750	57326	6.55%	0.544%
40	19.090	2762	2766	2770	rVV	33877	45300	5.18%	0.430%
41	19.131	2770	2773	2778	rVB2	23586	30187	3.45%	0.286%
42	19.213	2781	2787	2791	rBV	88079	140652	16.08%	1.335%
43	19.272	2791	2797	2801	rVV3	27712	66042	7.55%	0.627%
44	19.302	2801	2802	2806	rVB	20006	17290	1.98%	0.164%
45	19.360	2806	2812	2817	rBV4	34686	74702	8.54%	0.709%
46	19.478	2826	2832	2838	rBV	442171	629432	71.94%	5.973%
47	19.531	2838	2841	2845	rBV	21028	29685	3.39%	0.282%
48	19.572	2845	2848	2852	rVB2	23696	32417	3.71%	0.308%
49	19.613	2852	2855	2860	rBV6	7632	15389	1.76%	0.146%
50	19.678	2861	2866	2869	rBV4	17916	26529	3.03%	0.252%
51	19.719	2869	2873	2876	rBV2	19617	30073	3.44%	0.285%
52	19.813	2883	2889	2890	rBV2	101392	142547	16.29%	1.353%
53	19.842	2890	2894	2901	rVB	456037	672941	76.91%	6.386%
54	19.913	2901	2906	2913	rBV2	49298	108210	12.37%	1.027%
55	20.024	2922	2925	2930	rVB3	18237	28361	3.24%	0.269%
56	20.077	2930	2934	2939	rVB3	28868	58806	6.72%	0.558%
57	20.171	2939	2950	2955	rBV2	68373	176676	20.19%	1.677%
58	20.330	2966	2977	2983	rVB	98054	258119	29.50%	2.449%
59	20.430	2990	2994	2998	rBV	59638	94474	10.80%	0.897%
60	20.488	2999	3004	3008	rVV2	104964	157208	17.97%	1.492%
61	20.524	3008	3010	3014	rVB2	20363	20912	2.39%	0.198%
62	20.588	3018	3021	3024	rVB3	31578	34550	3.95%	0.328%
63	20.629	3024	3028	3032	rBV	70849	97721	11.17%	0.927%
64	20.676	3032	3036	3039	rVV	43553	50565	5.78%	0.480%
65	20.788	3053	3055	3061	rVB5	13827	18562	2.12%	0.176%
66	20.882	3067	3071	3075	rBV	149903	205152	23.45%	1.947%
67	21.047	3097	3099	3100	rBV	11577	9616	1.10%	0.091%
68	21.099	3104	3108	3113	rVB	51859	78134	8.93%	0.741%
69	21.193	3120	3124	3129	rVB	18472	24609	2.81%	0.234%
70	21.282	3130	3139	3142	rVV3	64482	148185	16.94%	1.406%
71	21.317	3142	3145	3150	rVV	56527	87094	9.95%	0.826%

LSC Area Percent Report

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Data File : BG020721.D
Acq On : 14 Jan 2016 4:49
Operator : SJ/IZ
Sample : H1096-05 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC935

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_G\METHODS\SOM02.2-EPA-BG011216.M
Title : SVOA CALIBRATION

72	21.376	3150	3155	3159	rVV2	53371	98001	11.20%	0.930%
73	21.434	3159	3165	3177	rVB2	52353	120365	13.76%	1.142%
74	21.699	3201	3210	3215	rBV2	319143	874942	100.00%	8.303%
75	21.746	3215	3218	3230	rVB	226057	409547	46.81%	3.886%
76	21.846	3231	3235	3241	rBV6	17511	32292	3.69%	0.306%
77	21.899	3241	3244	3251	rBV4	31842	57319	6.55%	0.544%
78	21.975	3254	3257	3262	rBV5	18400	35099	4.01%	0.333%
79	22.122	3275	3282	3287	rBV3	33501	81716	9.34%	0.775%
80	22.181	3288	3292	3295	rVV5	11933	18909	2.16%	0.179%
81	22.433	3326	3335	3343	rVV	69661	181995	20.80%	1.727%
82	22.510	3344	3348	3355	rVB2	42225	80086	9.15%	0.760%
83	22.651	3369	3372	3377	rVB2	18118	27980	3.20%	0.266%
84	22.715	3377	3383	3387	rBV2	35388	69674	7.96%	0.661%
85	22.850	3401	3406	3411	rBV5	24436	53992	6.17%	0.512%
86	23.544	3517	3524	3531	rBV9	19801	56559	6.46%	0.537%
87	23.920	3580	3588	3596	rBV2	140755	481260	55.00%	4.567%
88	24.184	3626	3633	3640	rVB	26598	64094	7.33%	0.608%
89	24.384	3662	3667	3673	rBV9	13815	34879	3.99%	0.331%
90	24.654	3704	3713	3722	rBV	91917	264447	30.22%	2.509%
91	24.801	3730	3738	3751	rVB	137615	382679	43.74%	3.631%
92	24.960	3754	3765	3772	rVV	139644	424765	48.55%	4.031%
93	25.030	3774	3777	3791	rVB3	37392	119272	13.63%	1.132%
94	26.352	3997	4002	4003	rBV5	11425	17142	1.96%	0.163%
95	27.798	4243	4248	4249	rBV4	6227	10069	1.15%	0.096%
96	28.673	4384	4397	4420	rVB4	57706	294246	33.63%	2.792%
97	29.143	4472	4477	4478	rVV4	7217	11665	1.33%	0.111%
98	29.290	4496	4502	4504	rBV7	12685	25443	2.91%	0.241%
99	29.854	4584	4598	4610	rVB4	40535	181468	20.74%	1.722%
100	30.471	4696	4703	4704	rBV6	8303	17056	1.95%	0.162%

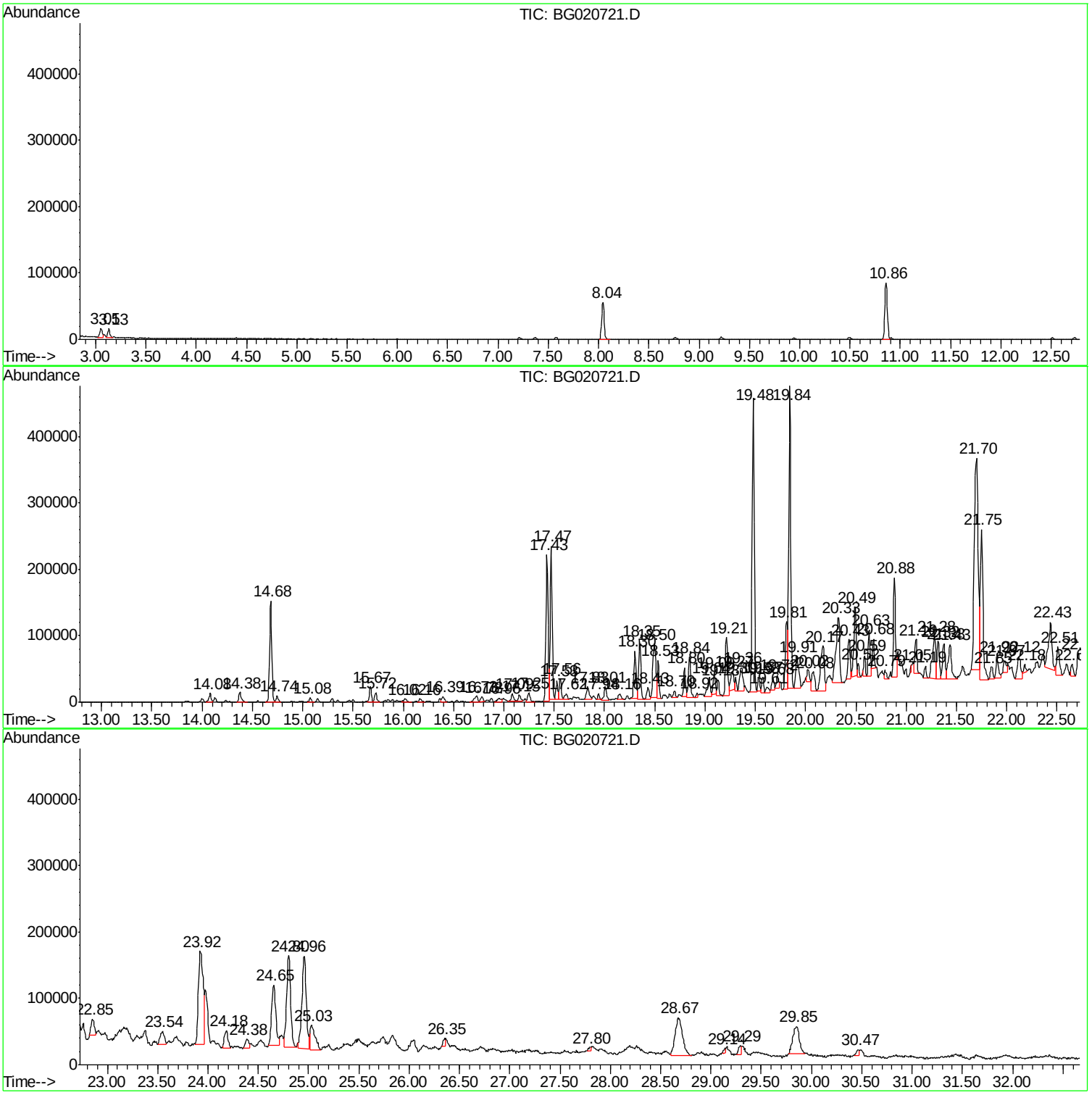
Sum of corrected areas: 10538020

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020721.D
Acq On : 14 Jan 2016 4:49
Operator : SJ/IZ
Sample : H1096-05 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC935

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020721.D
Acq On : 14 Jan 2016 4:49
Operator : SJ/IZ
Sample : H1096-05 10X
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Instrument : BNA_G
ClientSampleId : BC935

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

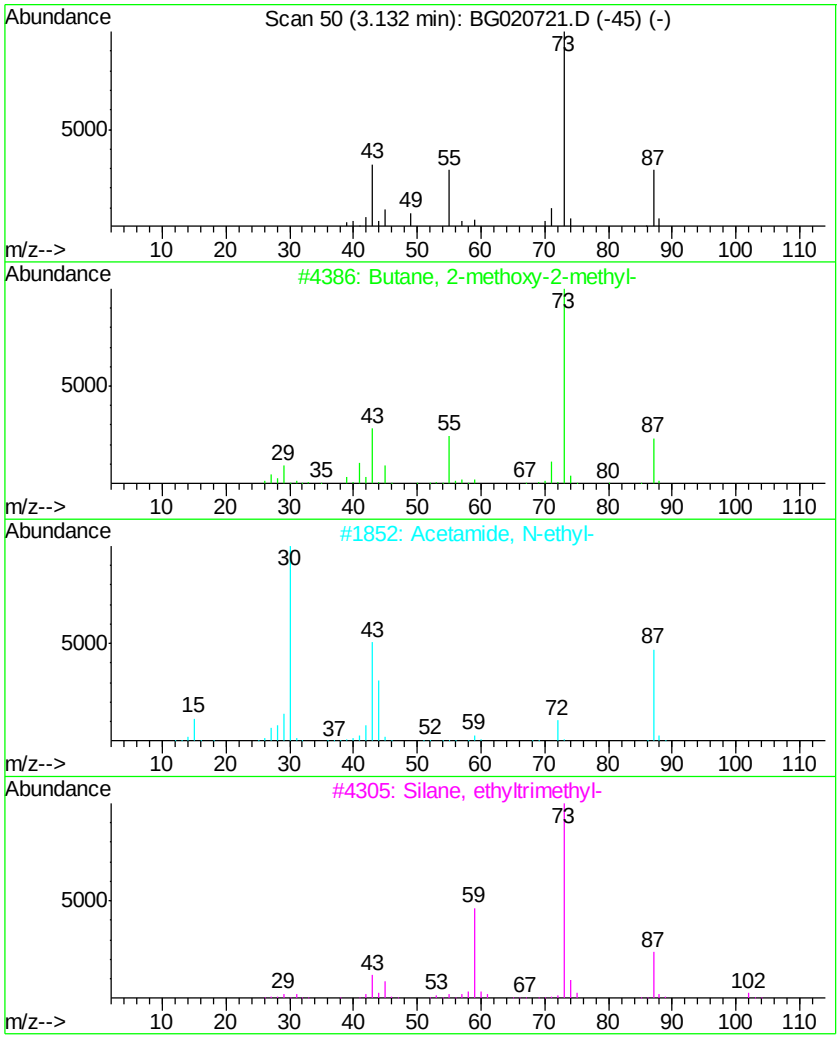
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

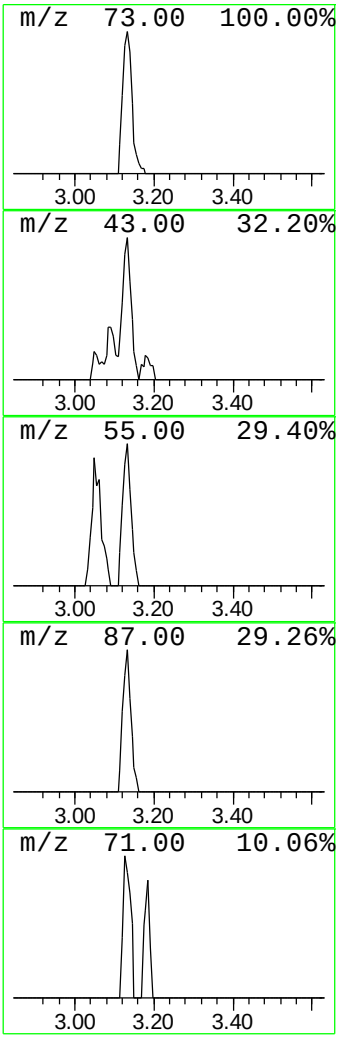
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.13	4.00 ng/ul	19159	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
2	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
3	Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	9
4	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	9
5	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	1000186-02-3	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020721.D
Acq On : 14 Jan 2016 4:49
Operator : SJ/IZ
Sample : H1096-05 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC935

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

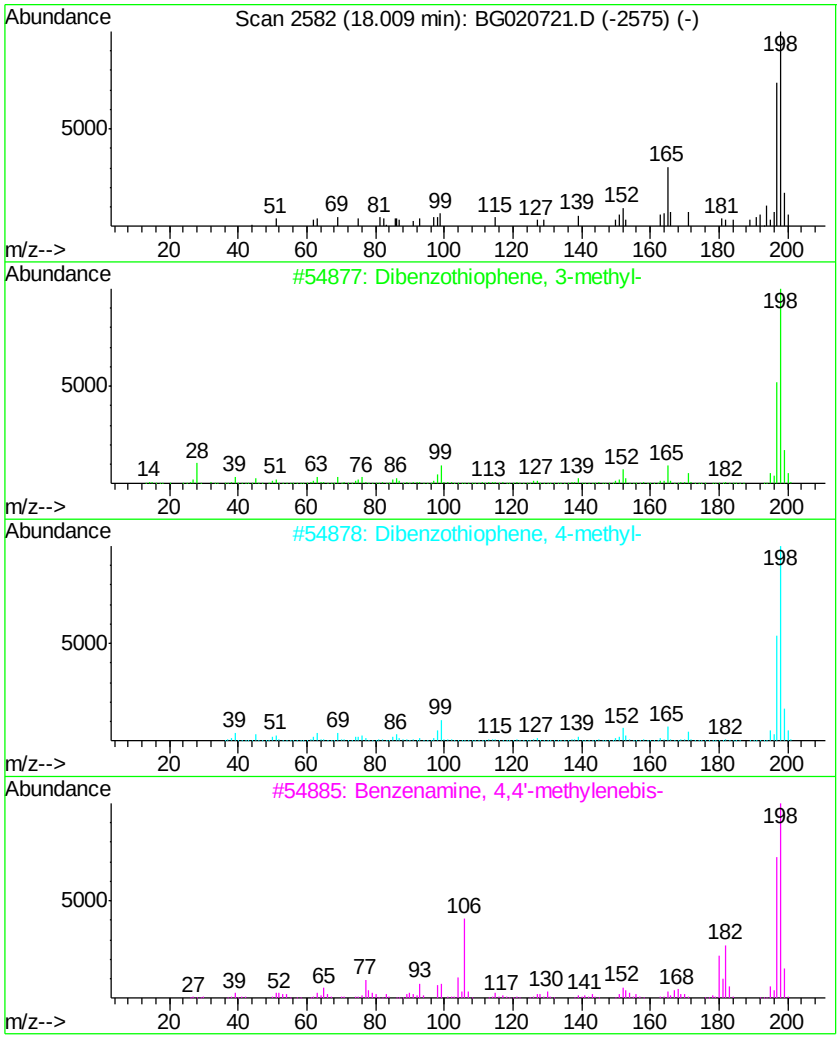
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

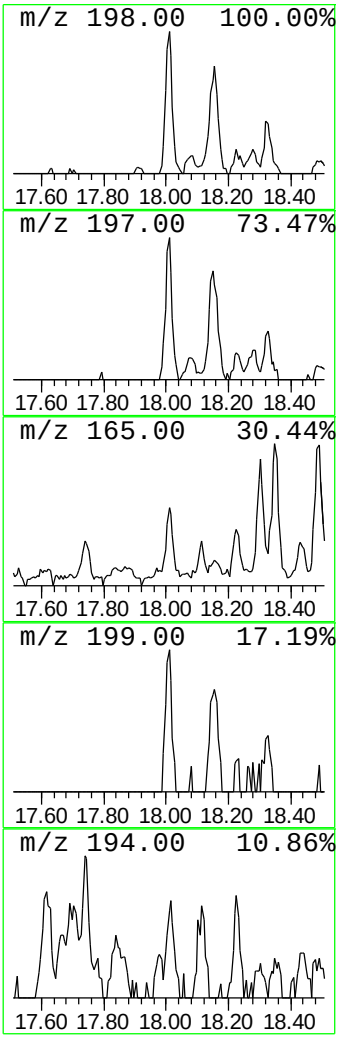
****

Peak Number 3 Dibenzothiophene, 3-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	2.05 ng/ul	34076	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	83
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	81
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	74
4	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	64
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	59





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
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Acq On : 14 Jan 2016 4:49
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Sample : H1096-05 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC935

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

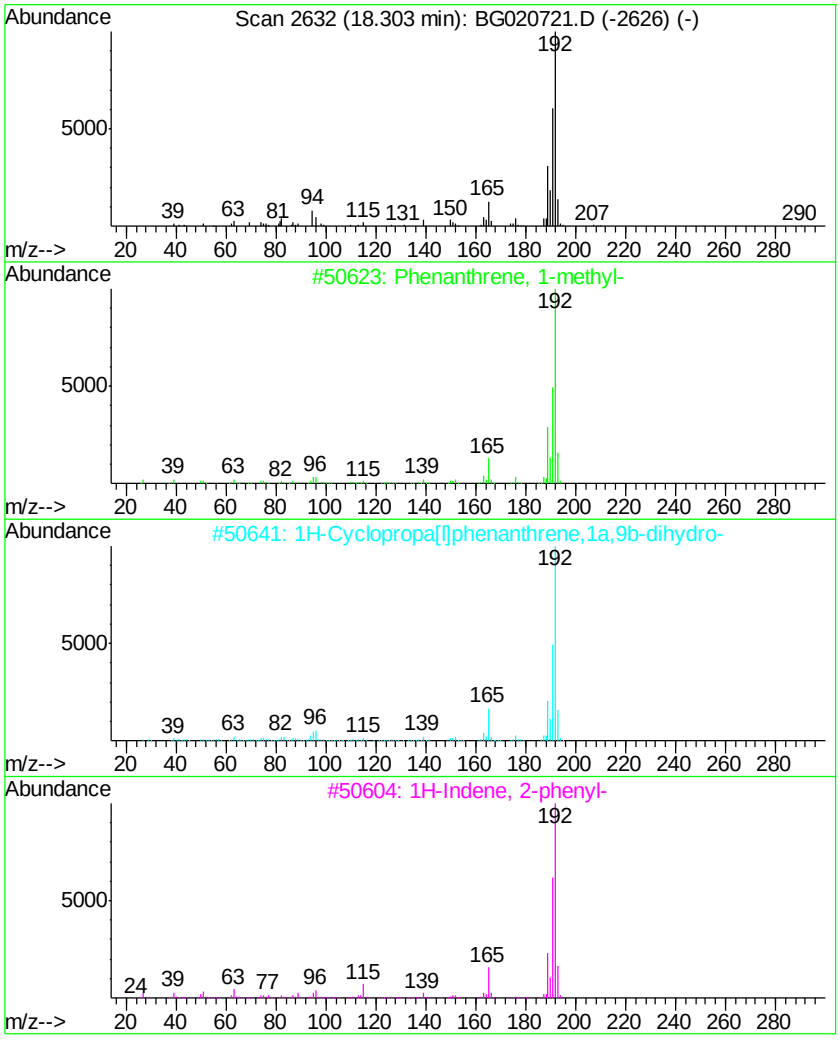
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

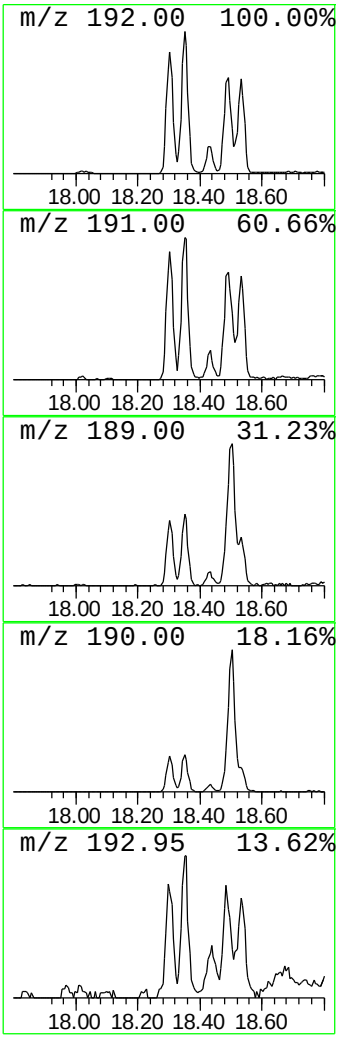
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	6.41 ng/ul	106814	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020721.D
Acq On : 14 Jan 2016 4:49
Operator : SJ/IZ
Sample : H1096-05 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC935

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

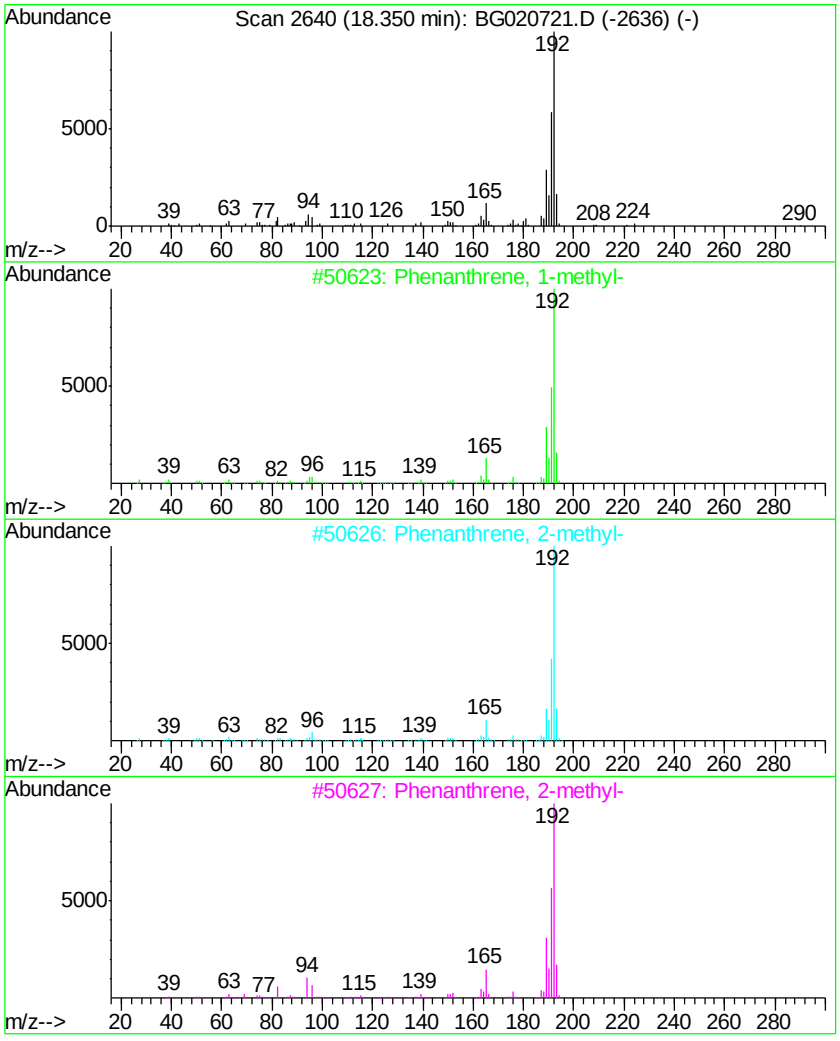
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

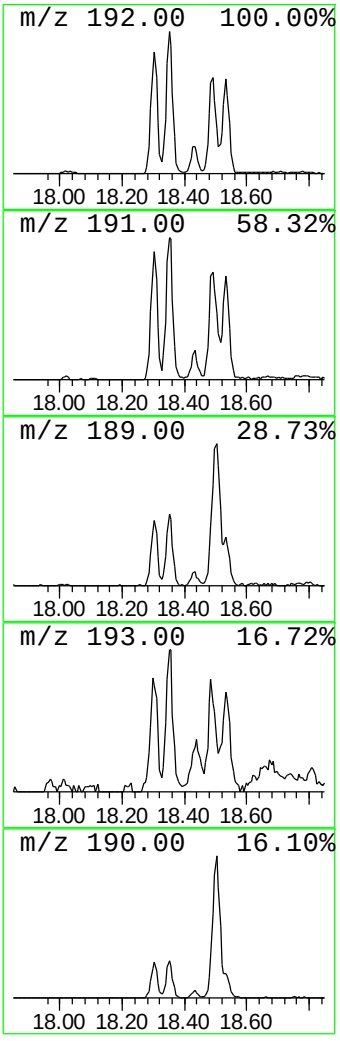
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	7.92 ng/ul	131866	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020721.D
Acq On : 14 Jan 2016 4:49
Operator : SJ/IZ
Sample : H1096-05 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC935

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

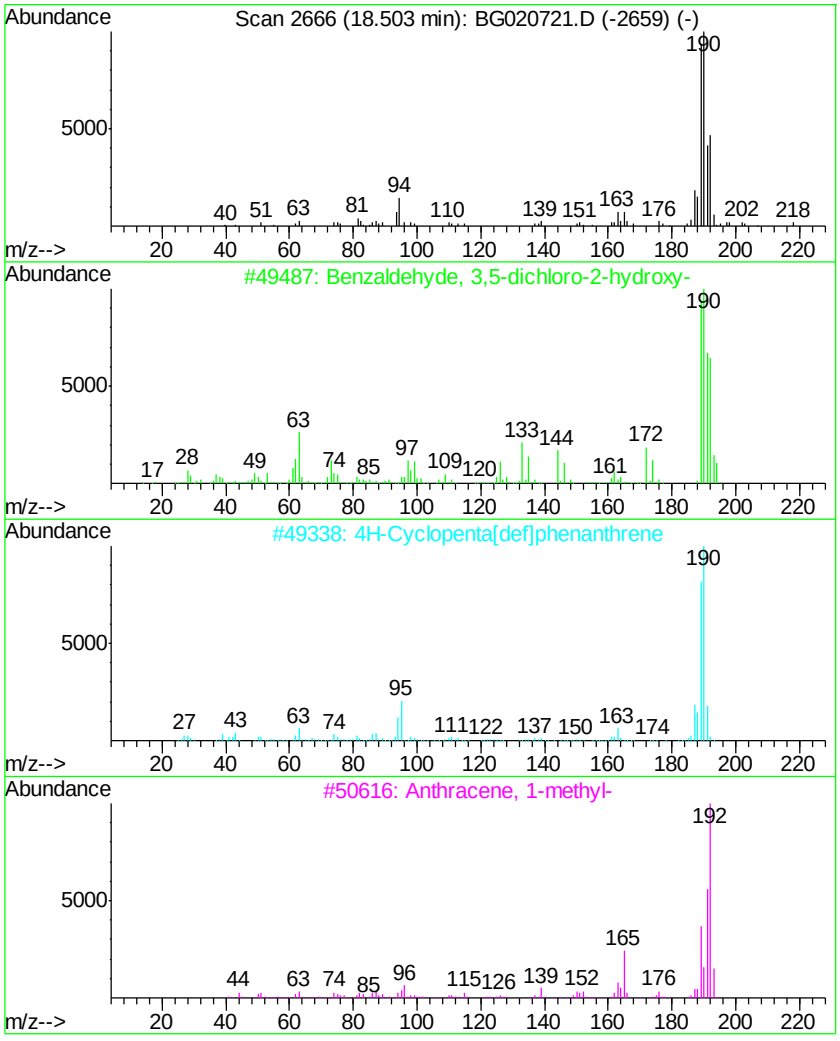
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

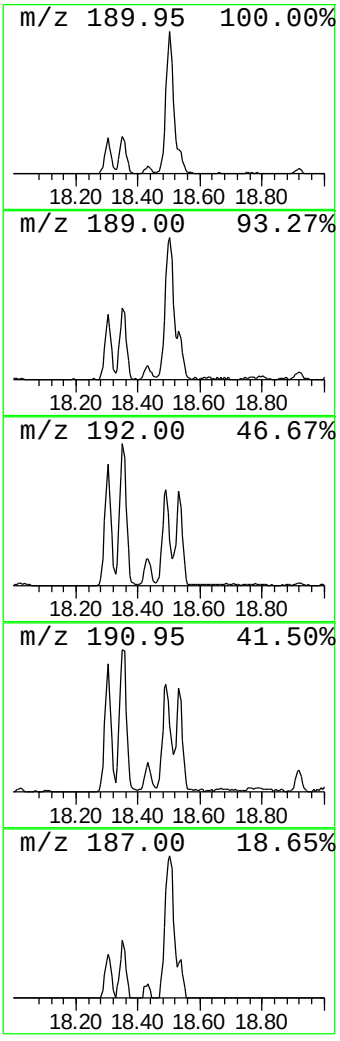
****

Peak Number 6 Benzaldehyde, 3,5-dichloro-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	9.82 ng/ul	163613	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	52
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46





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Acq On : 14 Jan 2016 4:49
Operator : SJ/IZ
Sample : H1096-05 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC935

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Quant Title : SVOA CALIBRATION

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

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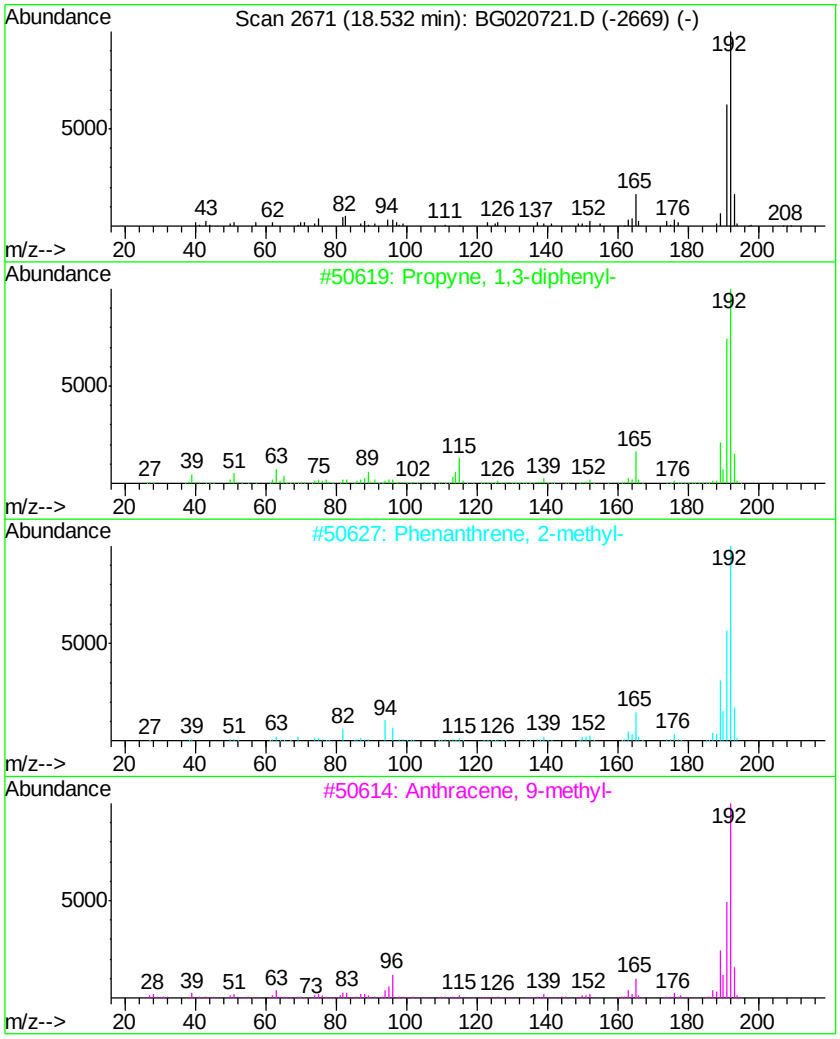
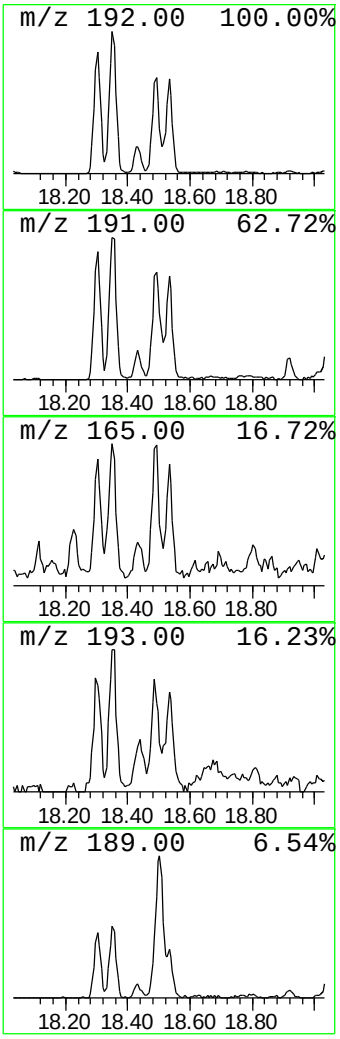
Peak Number 7 Propyne, 1,3-diphenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	4.07 ng/ul	67738	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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Sample : H1096-05 10X
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Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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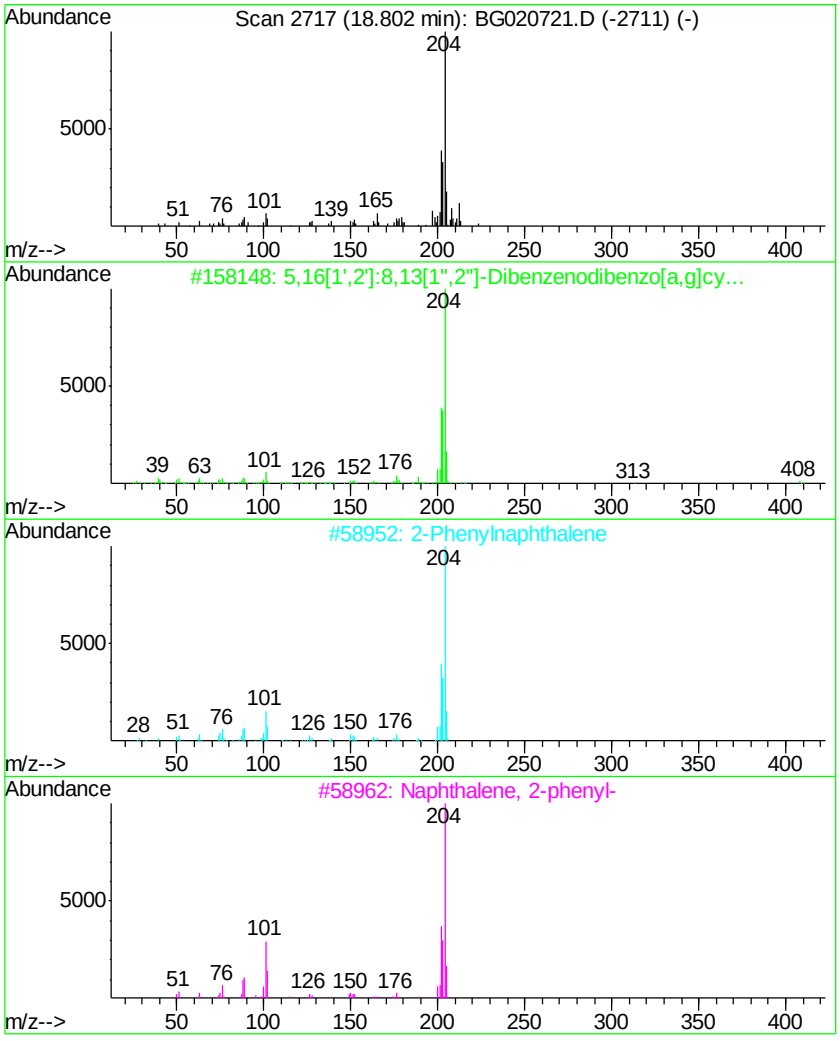
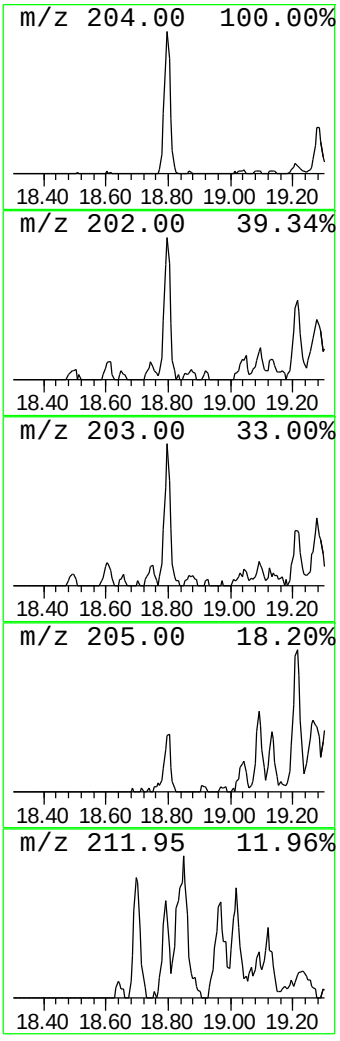
Peak Number 8 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	3.80 ng/ul	63343	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	64
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	50
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	50





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Misc :
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Instrument : BNA_G
ClientSampleId : BC935

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Quant Title : SVOA CALIBRATION

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

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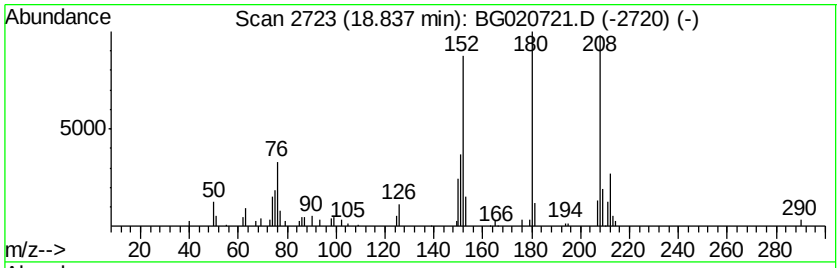
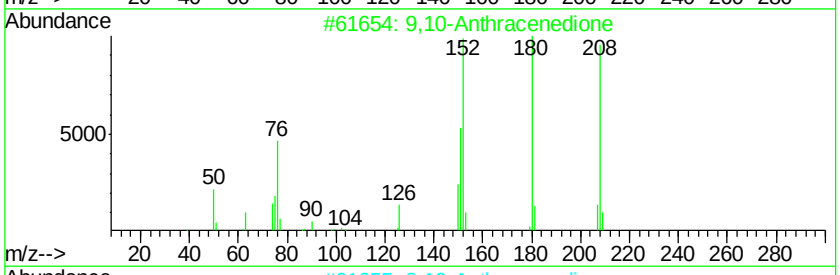
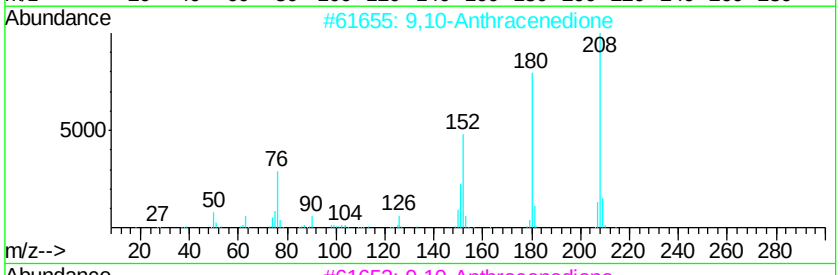
Peak Number 9 9,10-Anthracenedione Concentration Rank 6

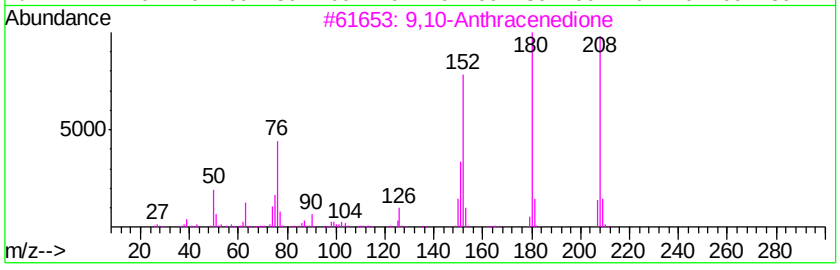
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	6.04 ng/ul	100542	Phenanthrene-d10	17.43

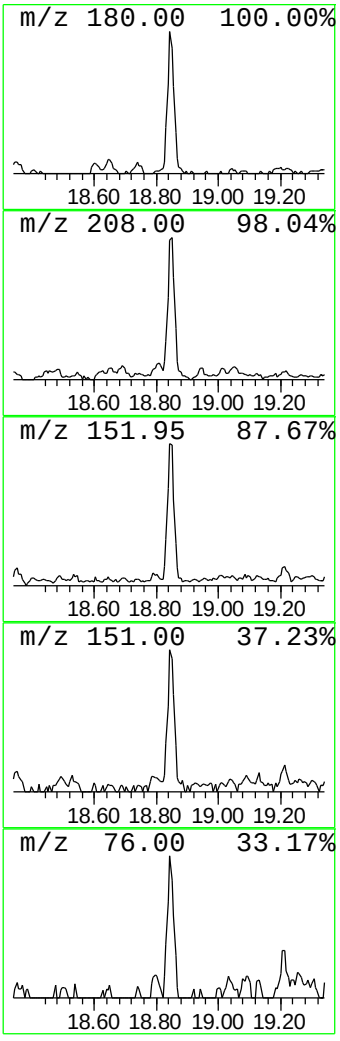
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83











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Acq On : 14 Jan 2016 4:49
Operator : SJ/IZ
Sample : H1096-05 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
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Quant Title : SVOA CALIBRATION

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

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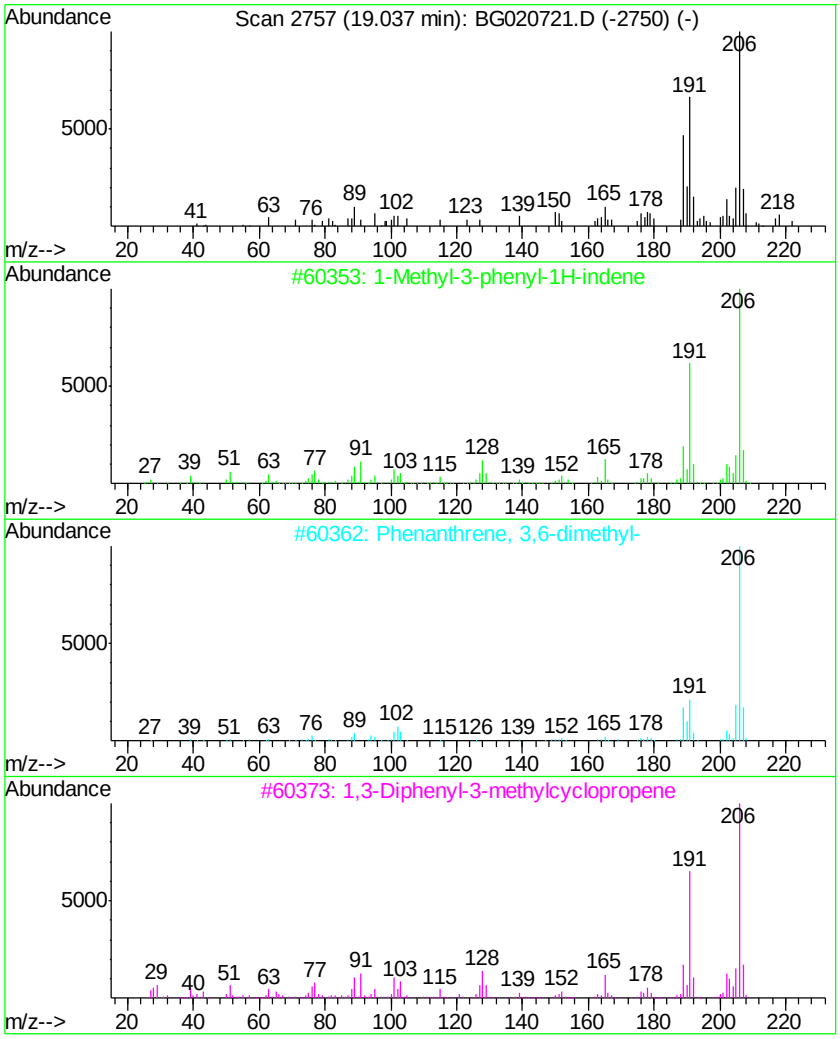
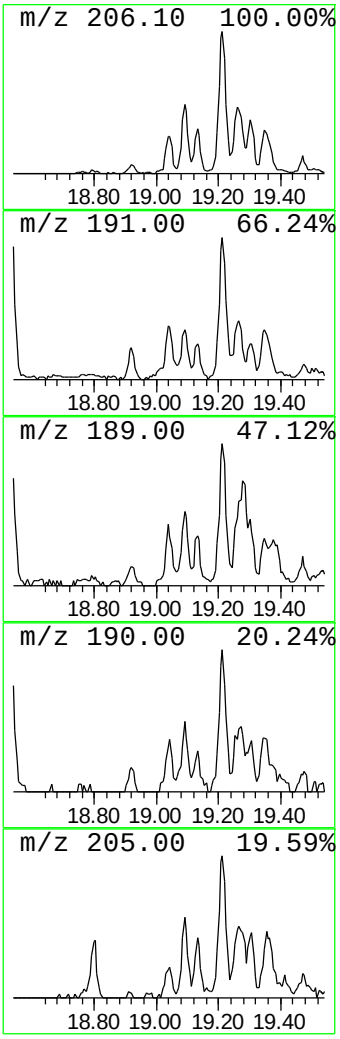
Peak Number 10 1-Methyl-3-phenyl-1H-indene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	3.44 ng/ul	57326	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	91
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	91
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	91
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90





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Acq On : 14 Jan 2016 4:49
Operator : SJ/IZ
Sample : H1096-05 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC935

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Quant Title : SVOA CALIBRATION

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

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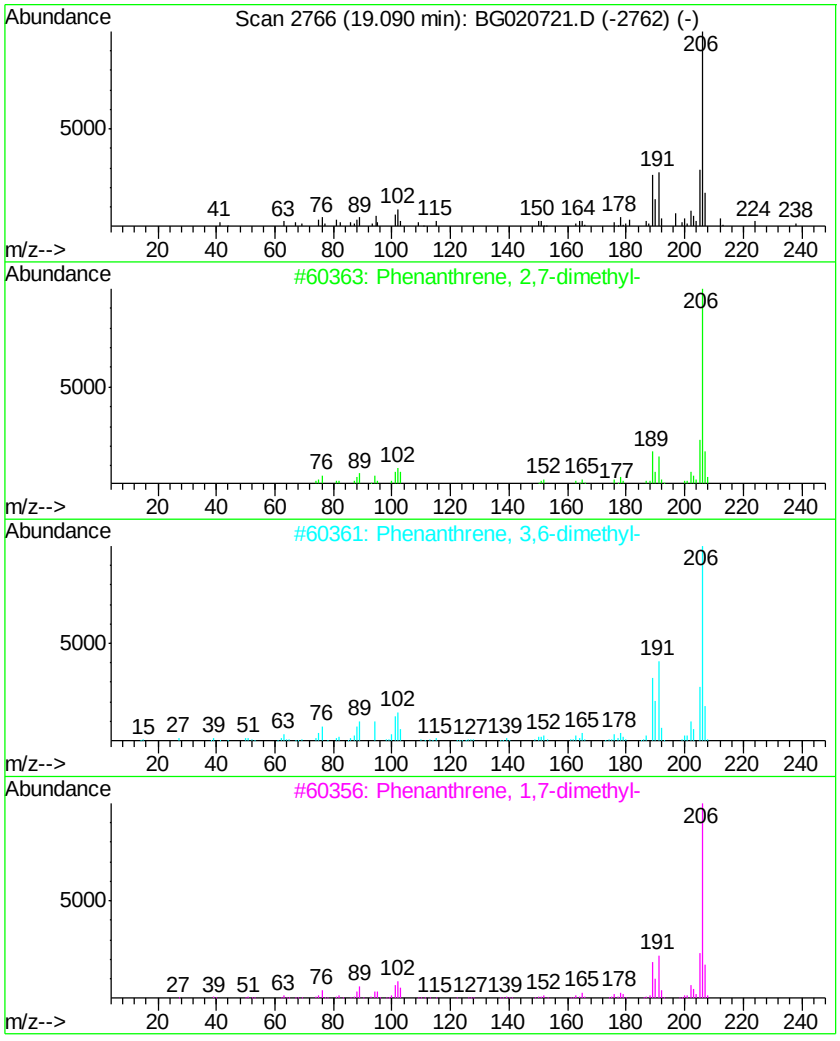
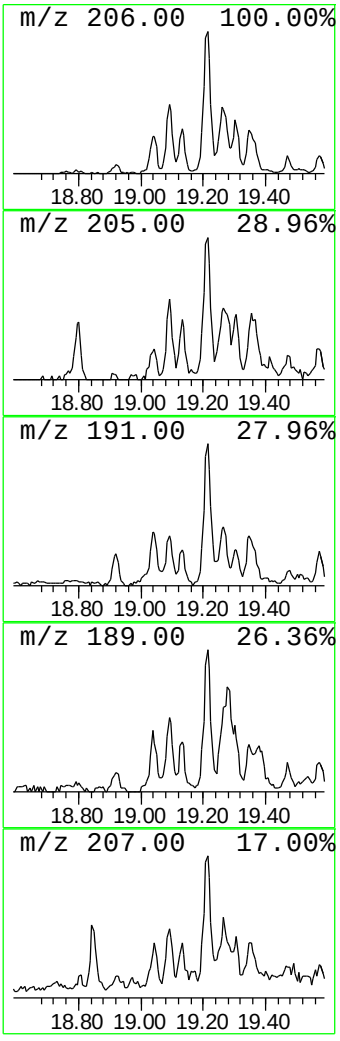
Peak Number 11 Phenanthrene, 2,7-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.09	2.72 ng/ul	45300	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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Operator : SJ/IZ
Sample : H1096-05 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC935

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

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

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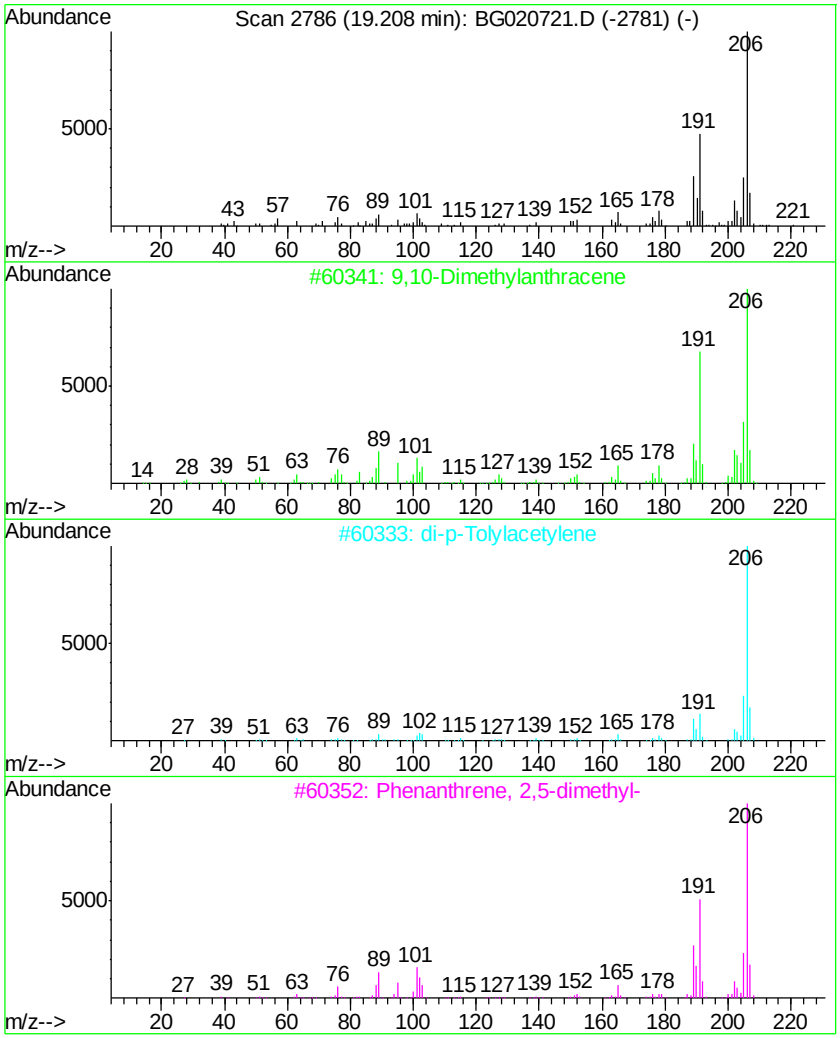
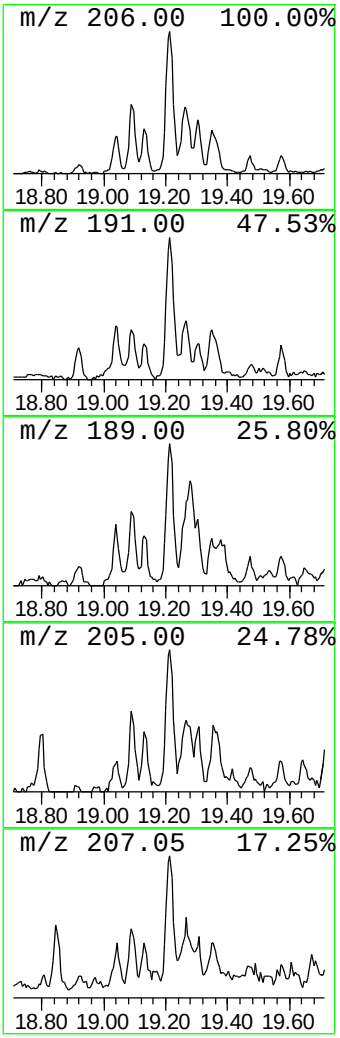
Peak Number 12 9,10-Dimethylanthracene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.21	8.44 ng/ul	140652	Phenanthrene-d10	17.43

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





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Sample : H1096-05 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC935

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Quant Title : SVOA CALIBRATION

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

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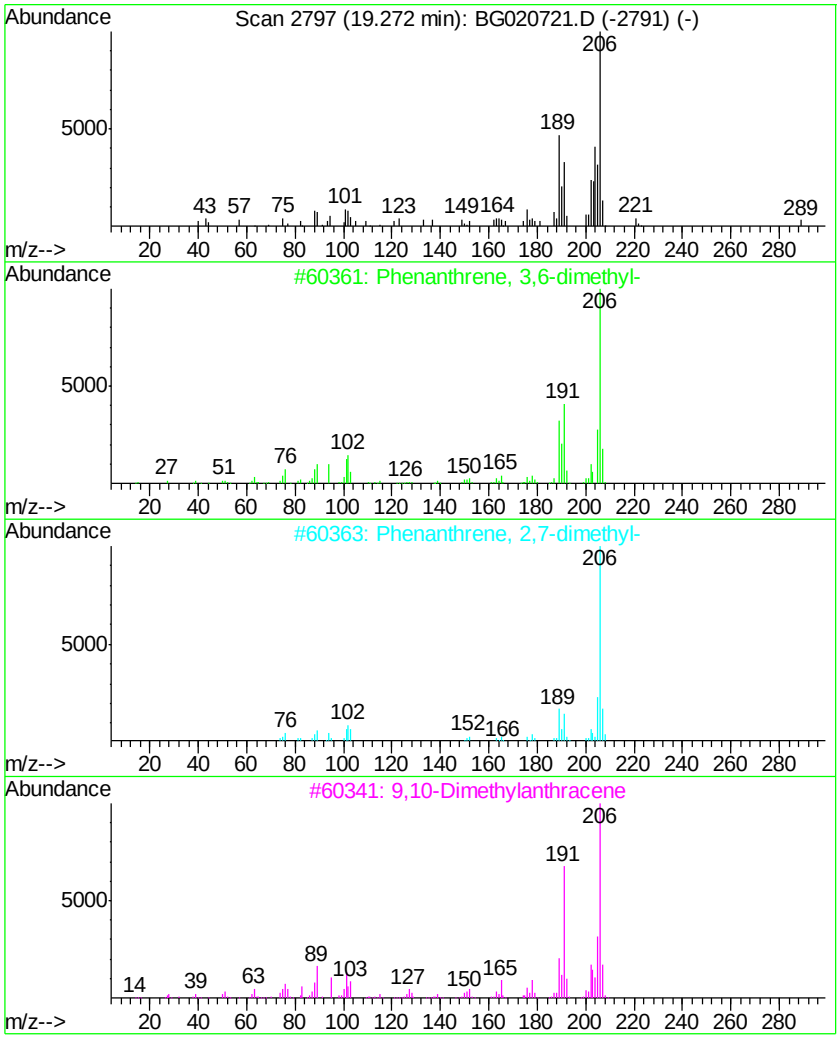
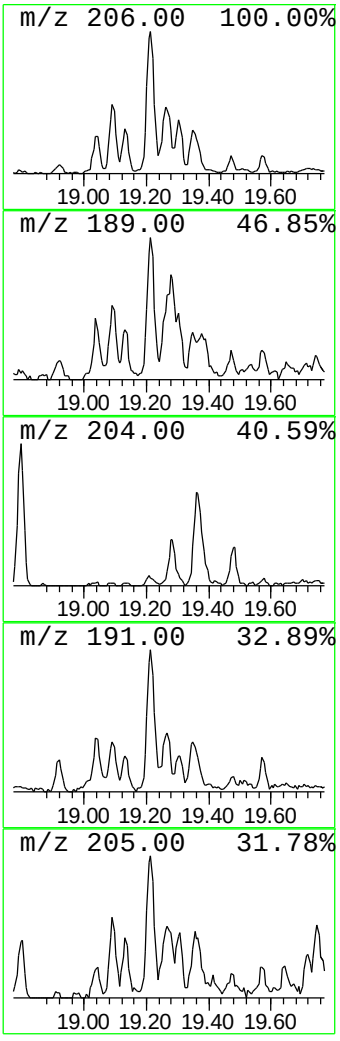
Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.27	3.96 ng/ul	66042	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	70
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	43
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	43
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	43





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Sample : H1096-05 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC935

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Quant Title : SVOA CALIBRATION

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

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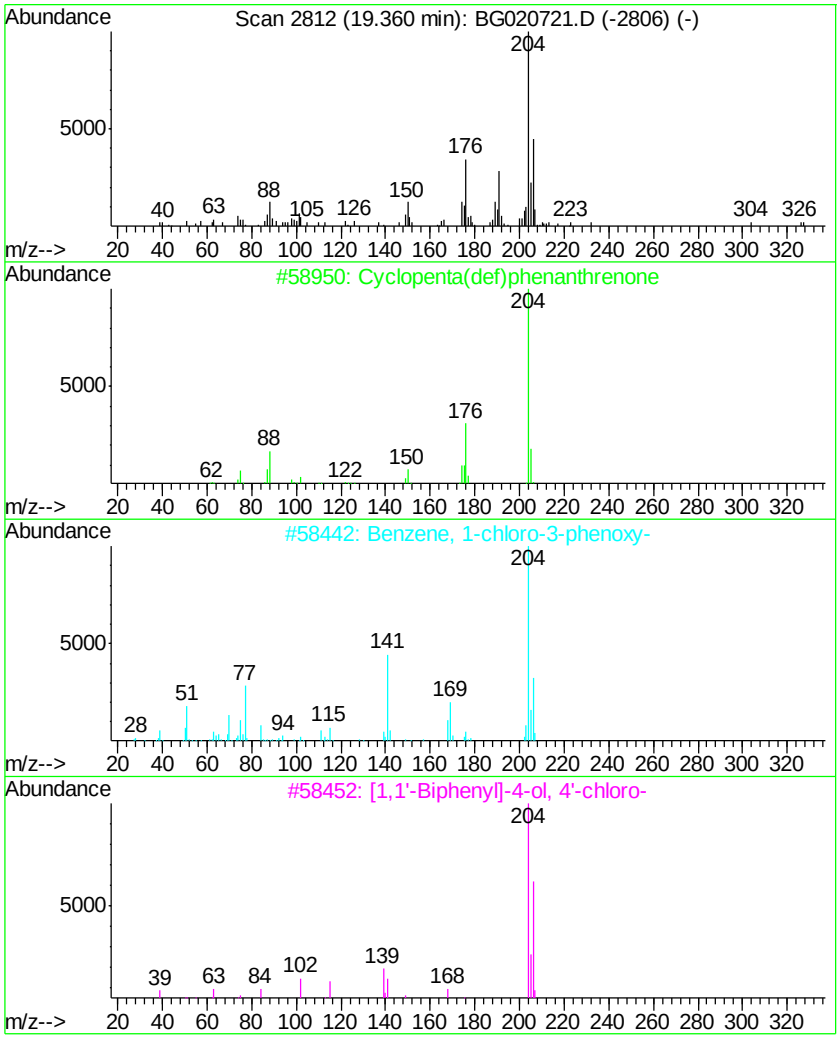
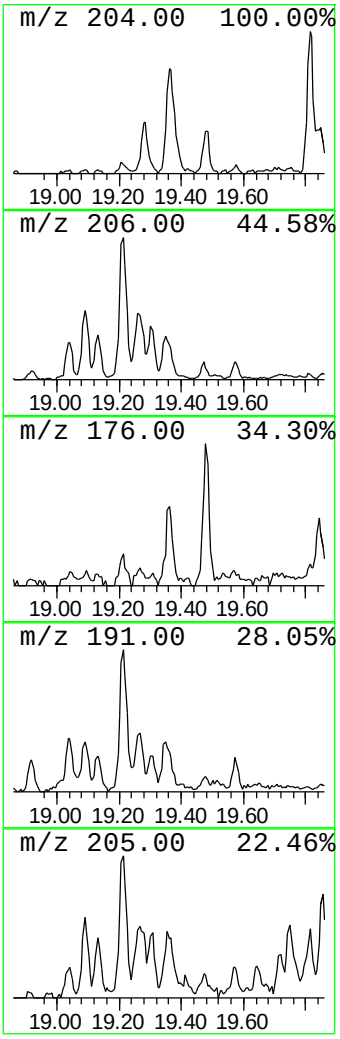
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.36	4.48 ng/ul	74702	Phenanthrene-d10	17.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	78
2	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	50
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	47
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	47
5	[1,1'-Biphenyl]-4-ol, 3-chloro-	204	C12H9ClO	000092-04-6	47





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Sample : H1096-05 10X
Misc :
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Instrument : BNA_G
ClientSampleId : BC935

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Quant Title : SVOA CALIBRATION

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

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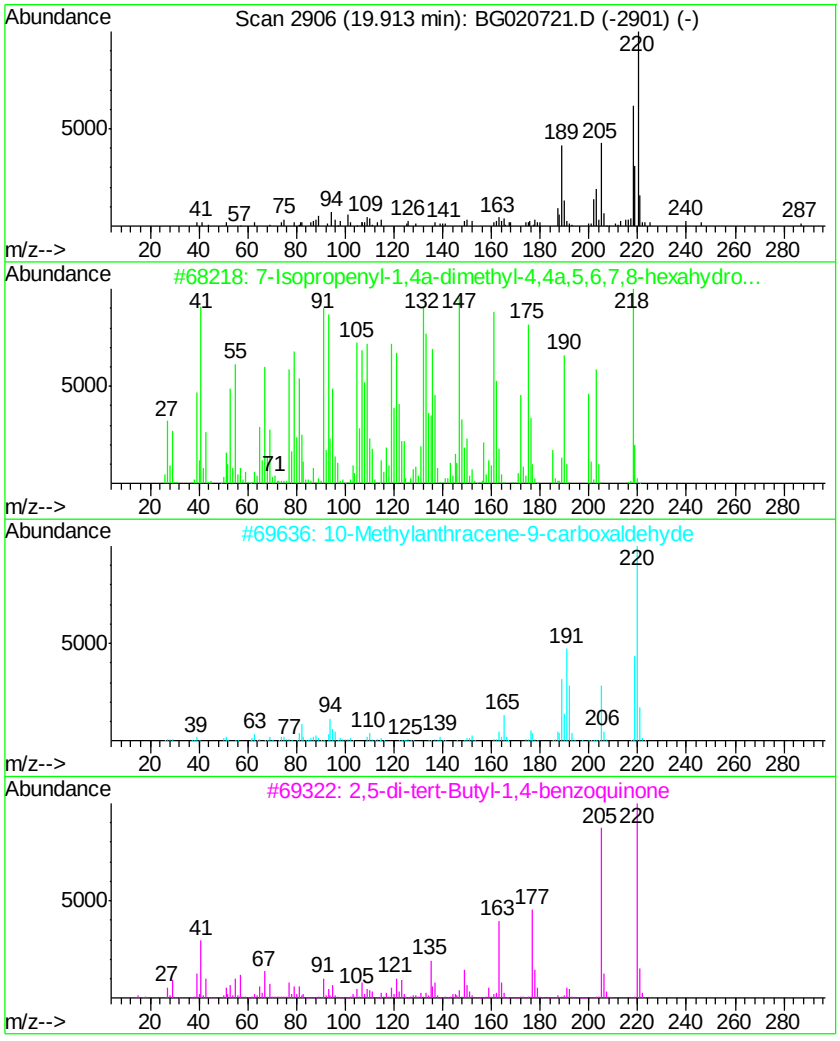
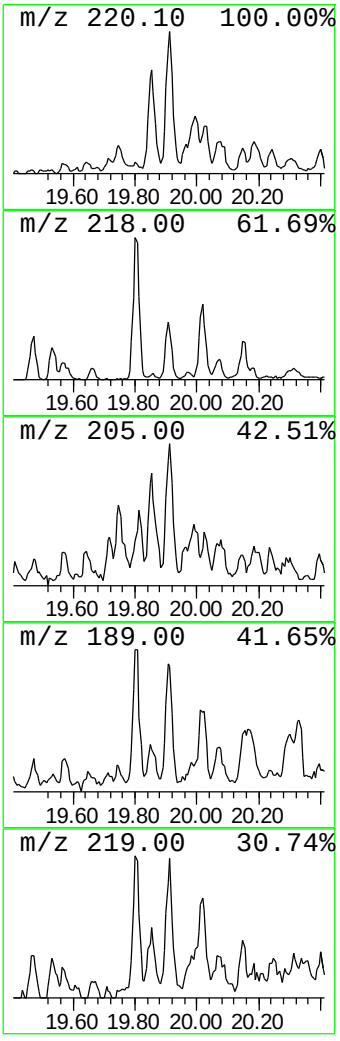
Peak Number 15 7-Isopropenyl-1,4a-dimethyl... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.91	2.47 ng/ul	108210	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Isopropenyl-1,4a-dimethyl-4,4a...	218	C15H22O	000473-08-5	91
2	10-Methylanthracene-9-carboxalde...	220	C16H12O	007072-00-6	49
3	2,5-di-tert-Butyl-1,4-benzoquinone	220	C14H20O2	002460-77-7	38
4	Noscapine	413	C22H23NO7	000128-62-1	38
5	Benzo[b]dihydropyran, 6-hydroxy-...	220	C14H20O2	050442-70-1	38





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Sample : H1096-05 10X
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Instrument : BNA_G
ClientSampleId : BC935

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Quant Title : SVOA CALIBRATION

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

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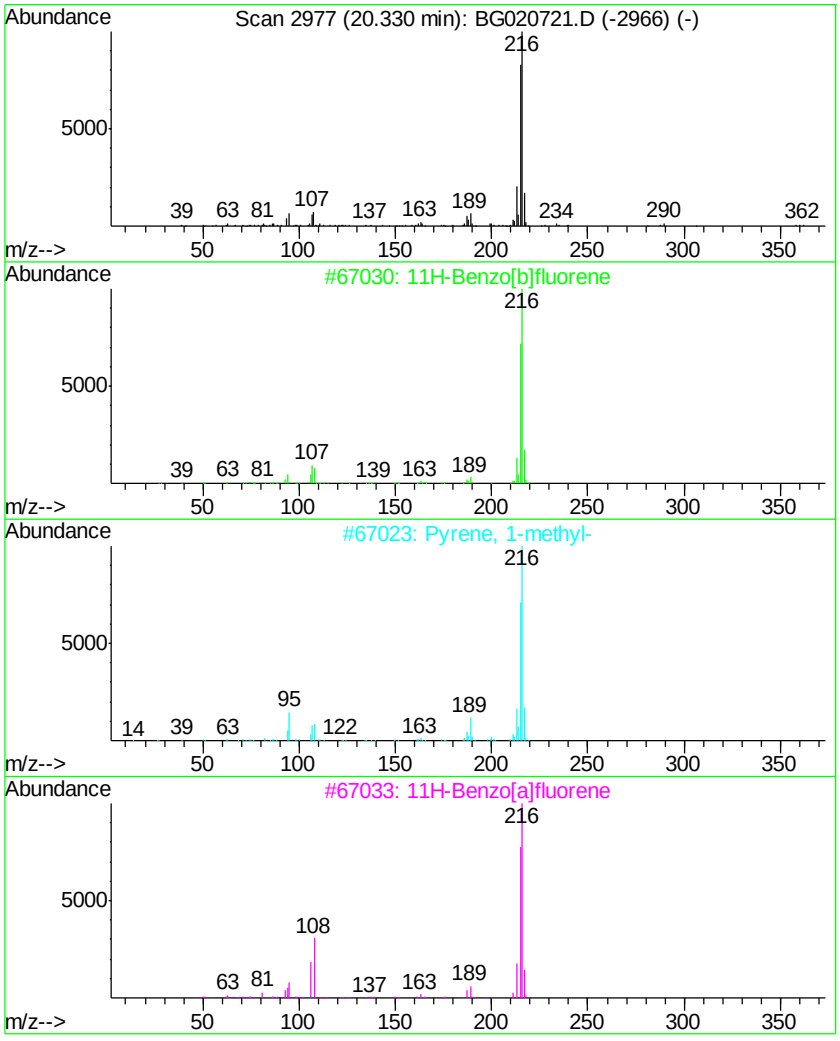
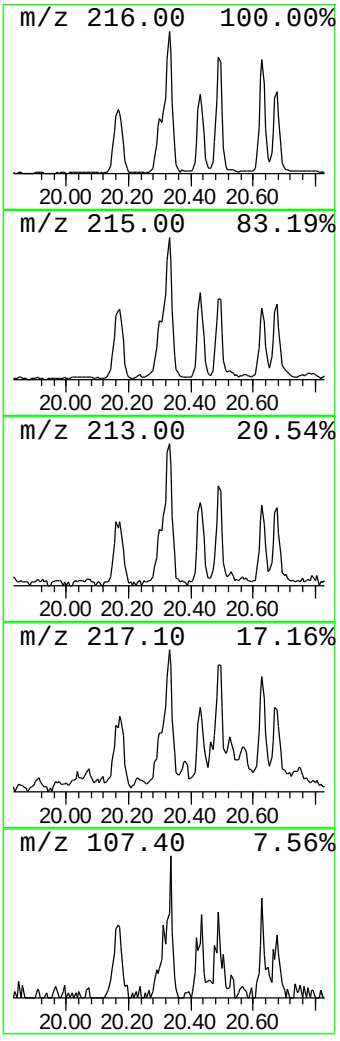
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.33	5.90 ng/ul	258119	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91





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Quant Title : SVOA CALIBRATION

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

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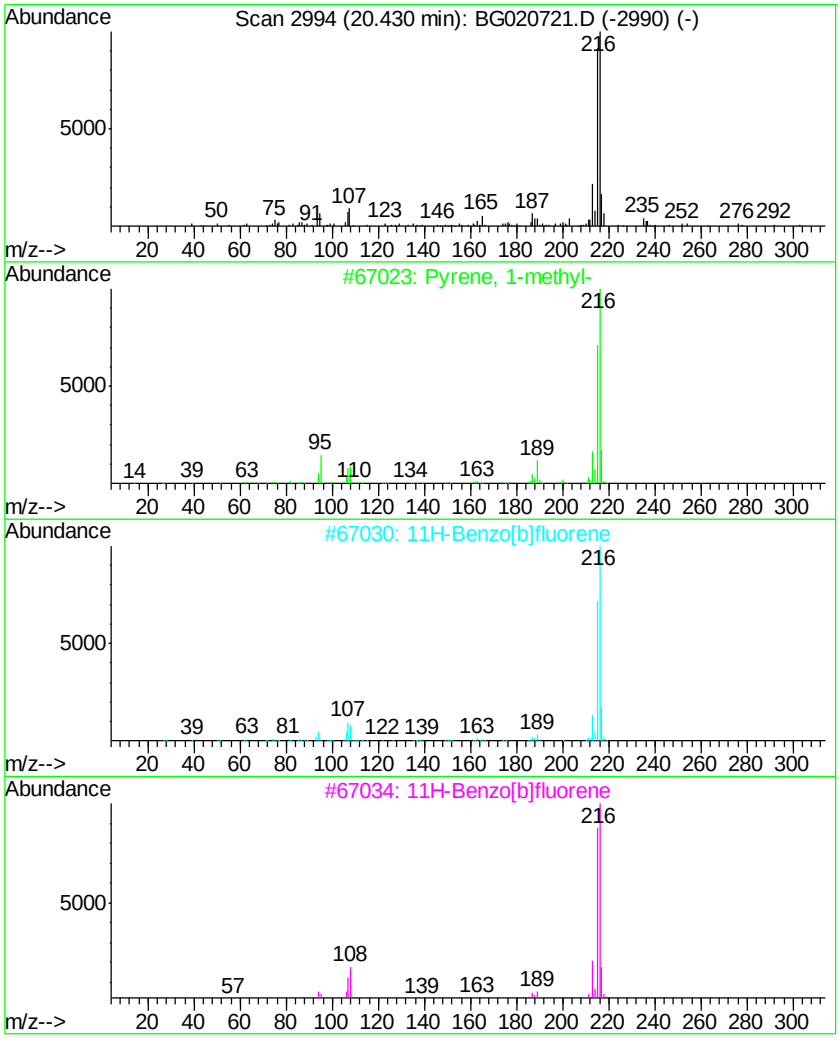
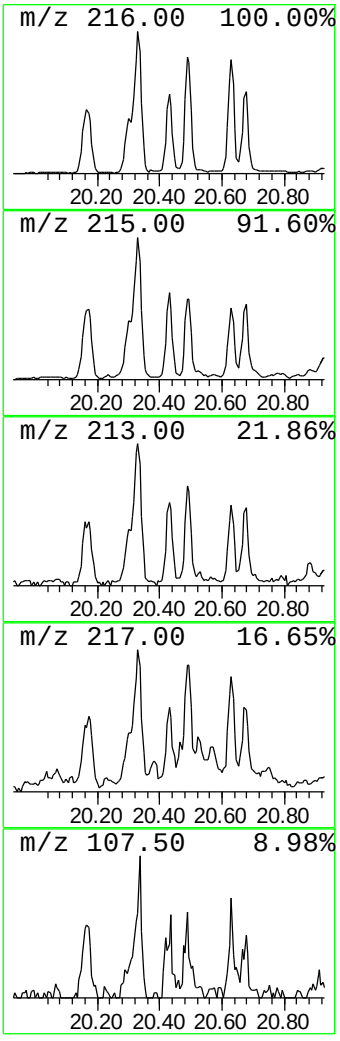
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.43	2.16 ng/ul	94474	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020721.D
Acq On : 14 Jan 2016 4:49
Operator : SJ/IZ
Sample : H1096-05 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC935

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

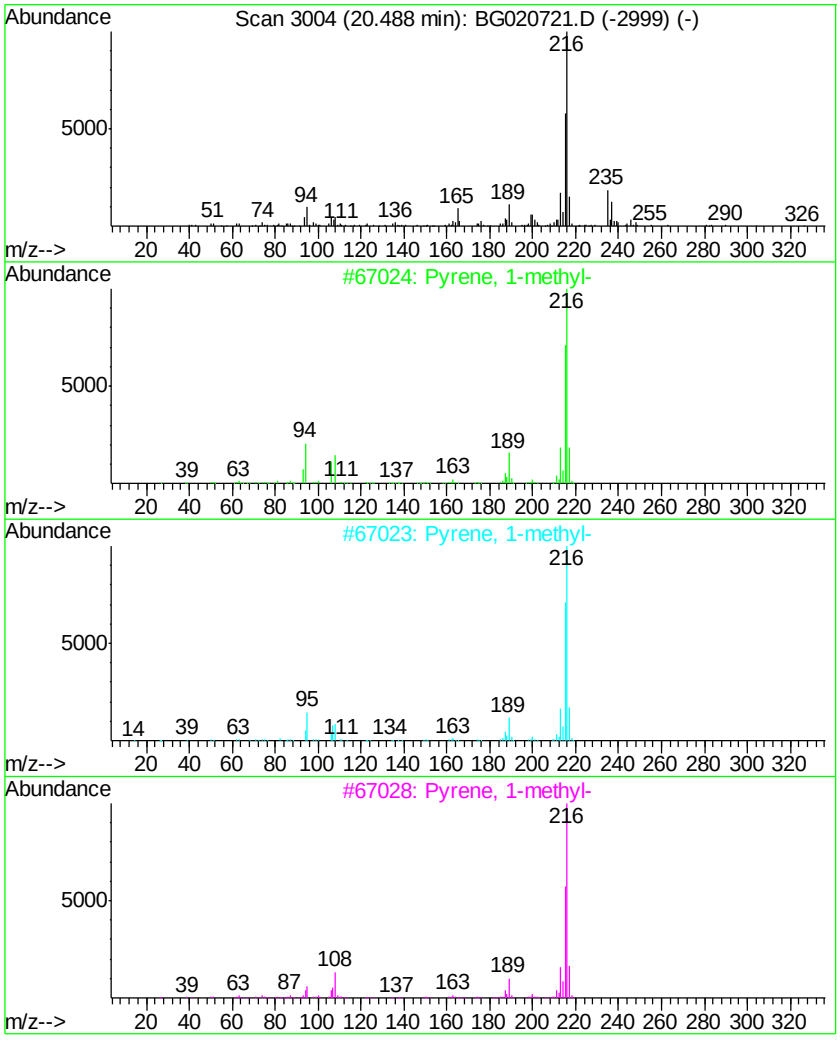
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

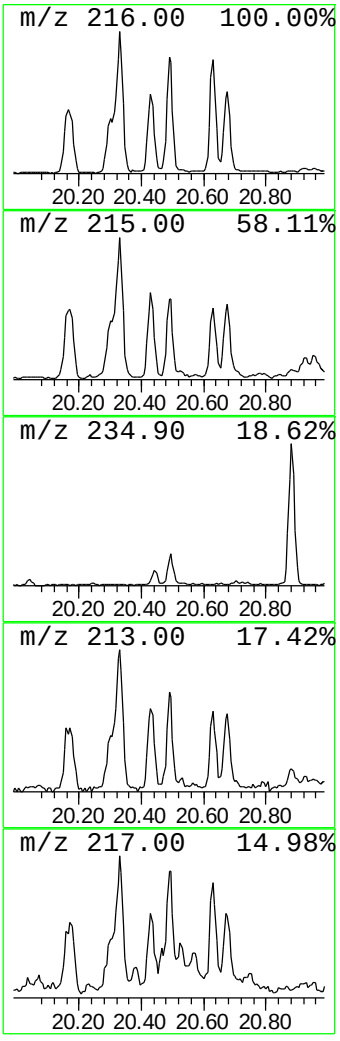
****

Peak Number 19 Pyrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.49	3.59 ng/ul	157208	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





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Data File : BG020721.D
Acq On : 14 Jan 2016 4:49
Operator : SJ/IZ
Sample : H1096-05 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC935

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

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

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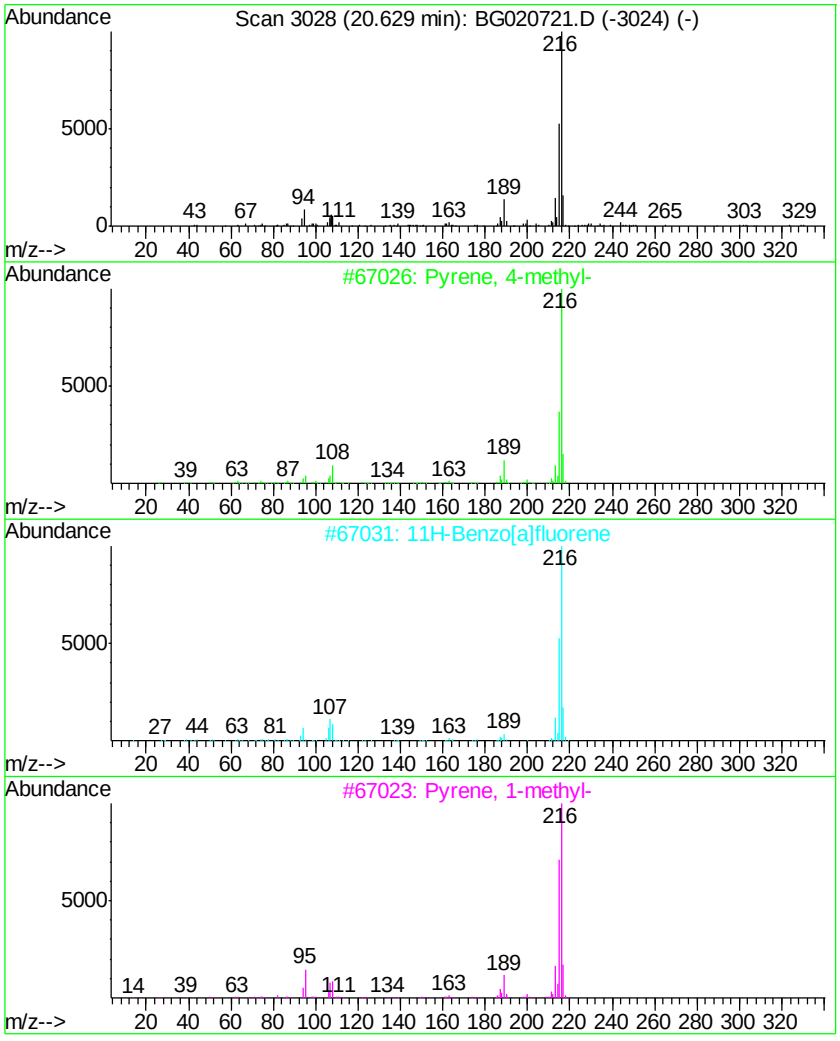
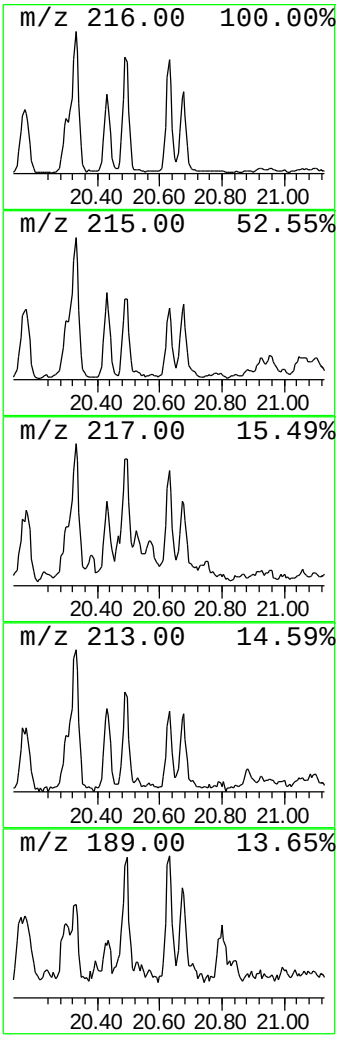
Peak Number 20 Pyrene, 4-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.63	2.23 ng/ul	97721	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





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Acq On : 14 Jan 2016 4:49
Operator : SJ/IZ
Sample : H1096-05 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC935

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

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

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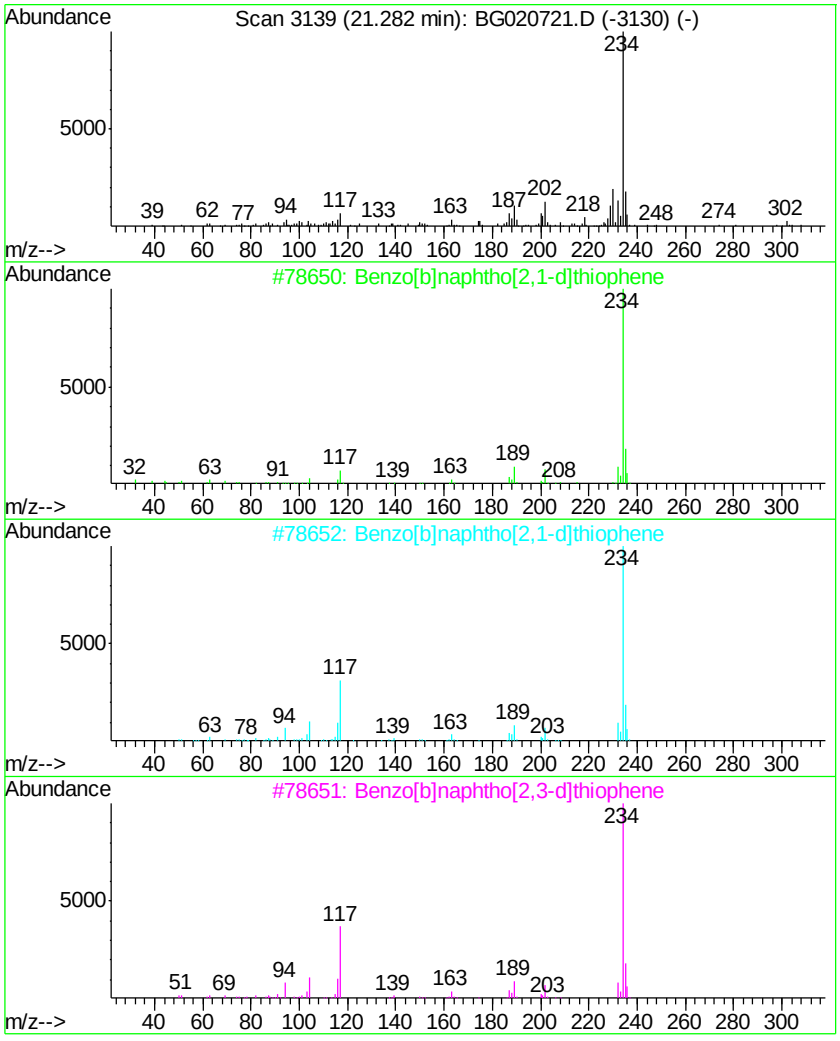
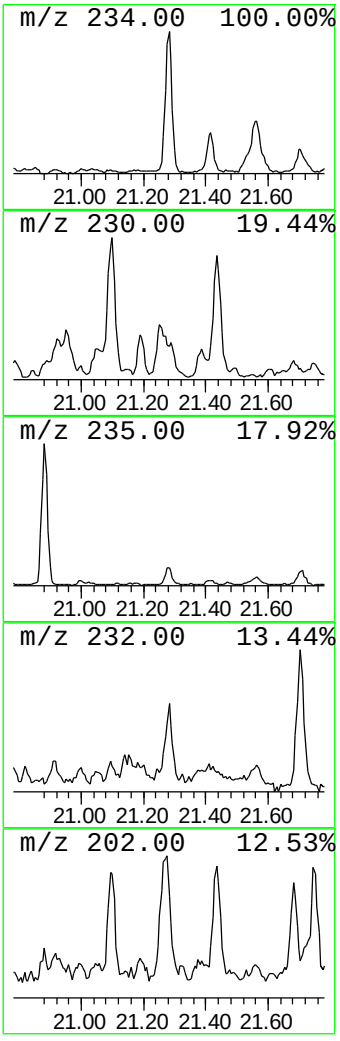
Peak Number 22 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.28	3.39 ng/ul	148185	Chrysene-d12	21.70

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[2,1-d]thiophene	234	C16H10S	000239-35-0	81
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	81
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	81
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	76





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Data File : BG020721.D
Acq On : 14 Jan 2016 4:49
Operator : SJ/IZ
Sample : H1096-05 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC935

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

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

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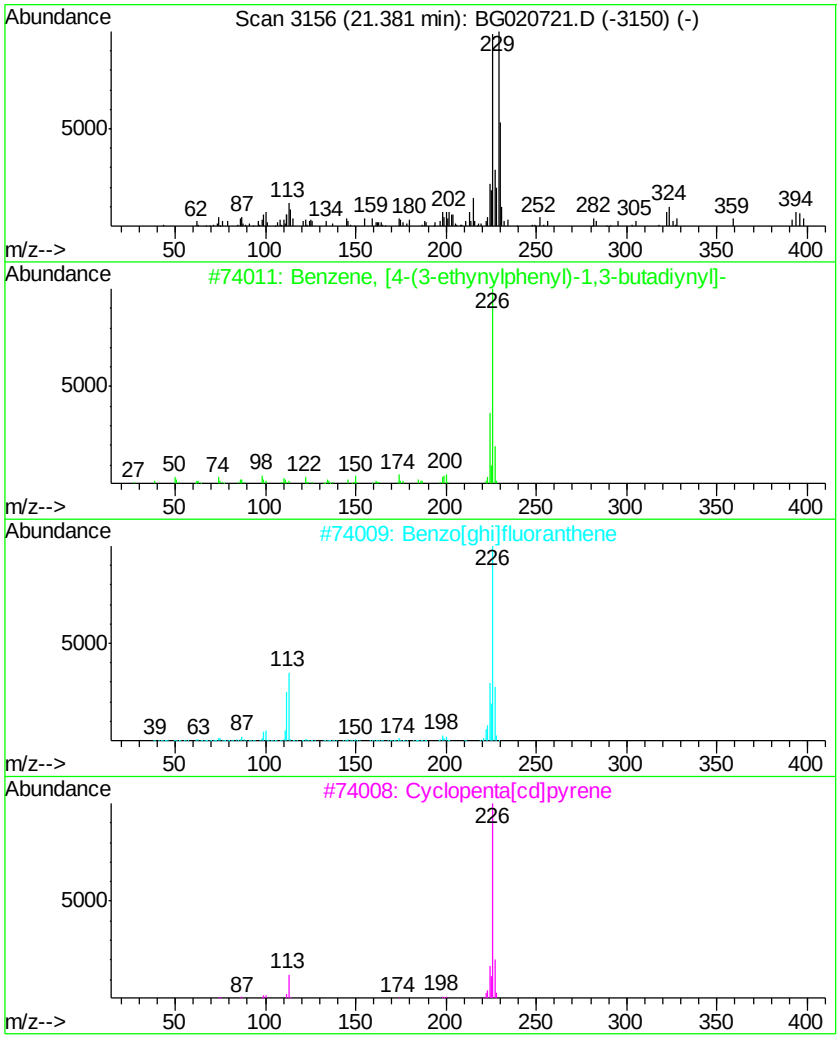
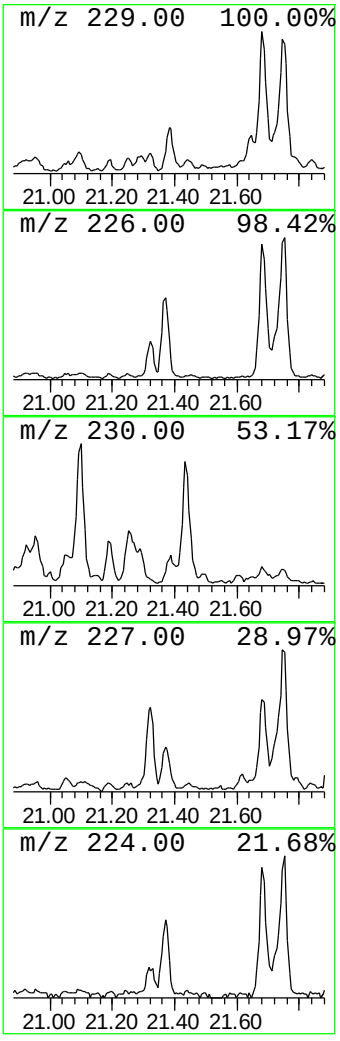
Peak Number 23 unknown-01 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.38	2.24 ng/ul	98001	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	43
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	43
3	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	35
4	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	32
5	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	32





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Data File : BG020721.D
Acq On : 14 Jan 2016 4:49
Operator : SJ/IZ
Sample : H1096-05 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC935

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

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

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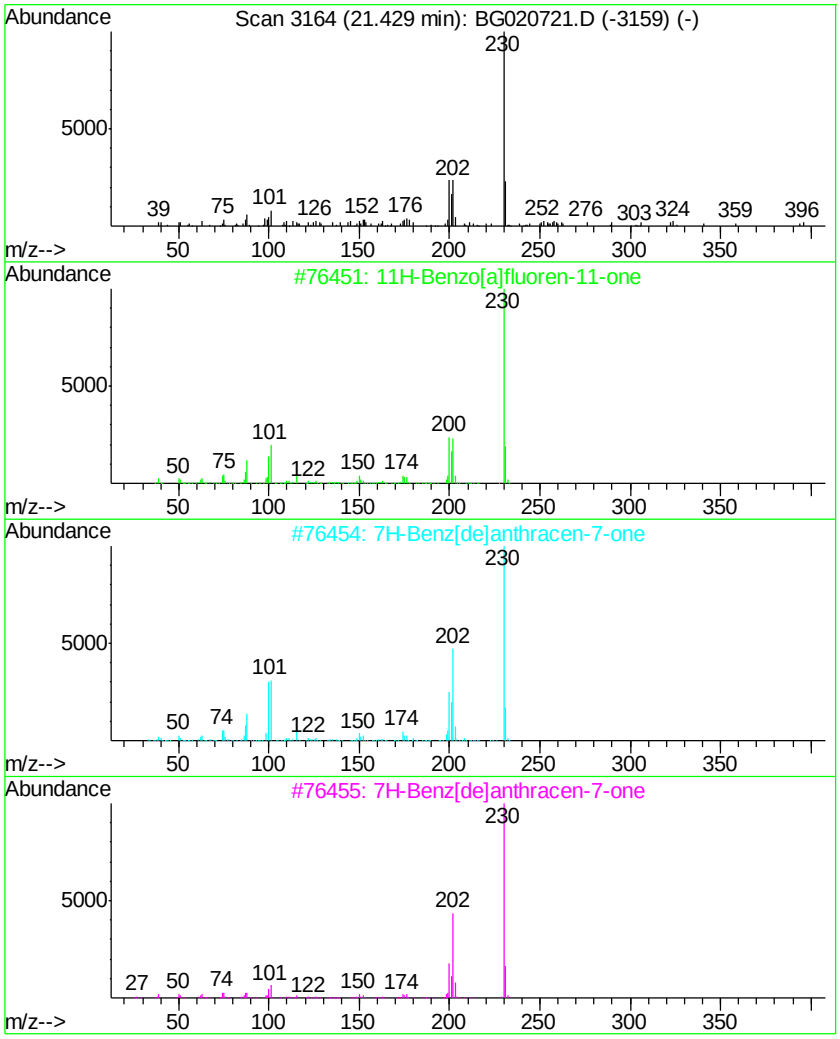
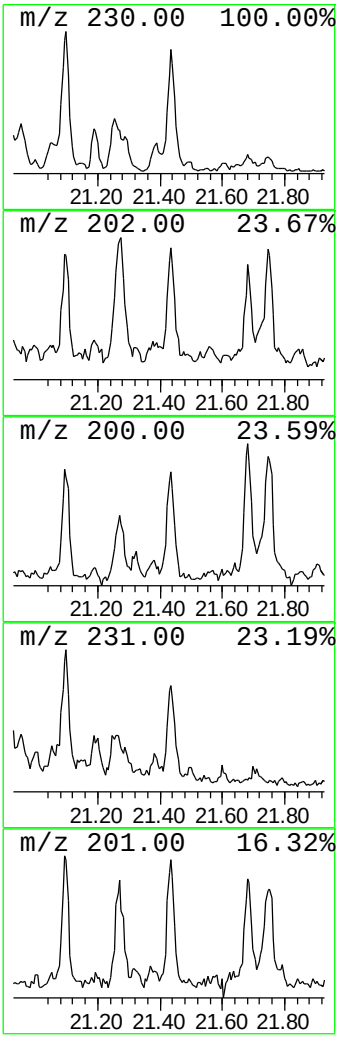
Peak Number 24 11H-Benzo[a]fluoren-11-one Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.43	2.75 ng/ul	120365	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020721.D
Acq On : 14 Jan 2016 4:49
Operator : SJ/IZ
Sample : H1096-05 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC935

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

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

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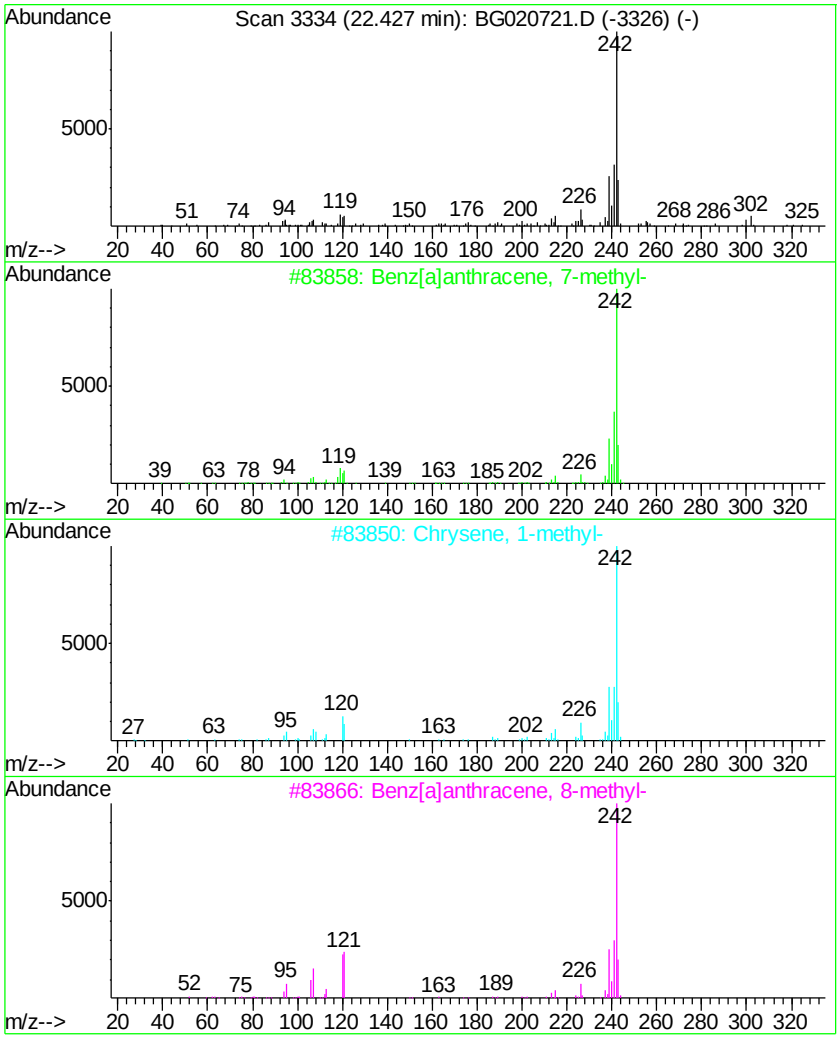
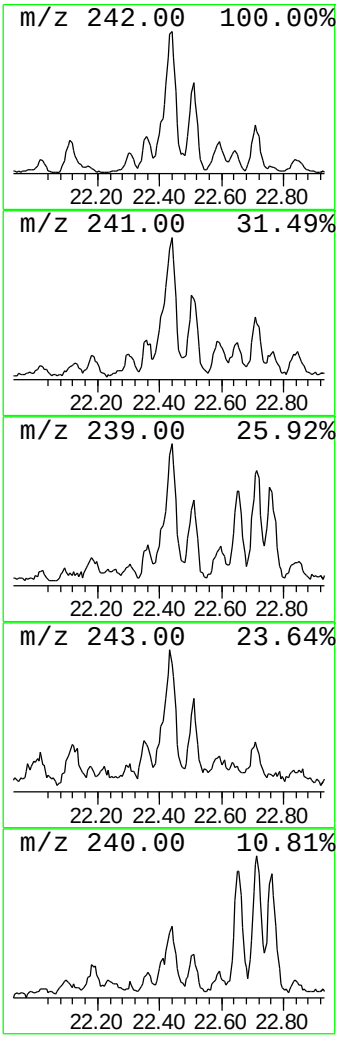
Peak Number 25 Benz[a]anthracene, 7-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.43	4.16 ng/ul	181995	Chrysene-d12	21.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	95
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95
4	Chrysene, 2-methyl-	242	C19H14	003351-32-4	95
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020721.D
Acq On : 14 Jan 2016 4:49
Operator : SJ/IZ
Sample : H1096-05 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC935

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

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

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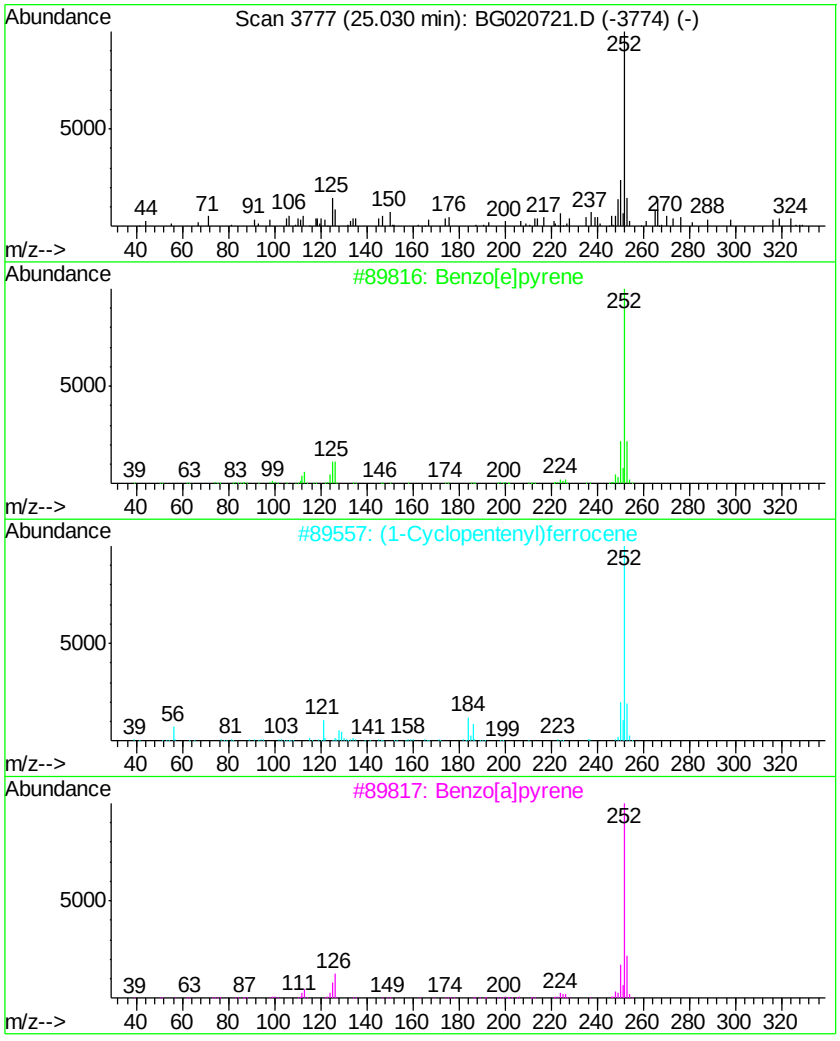
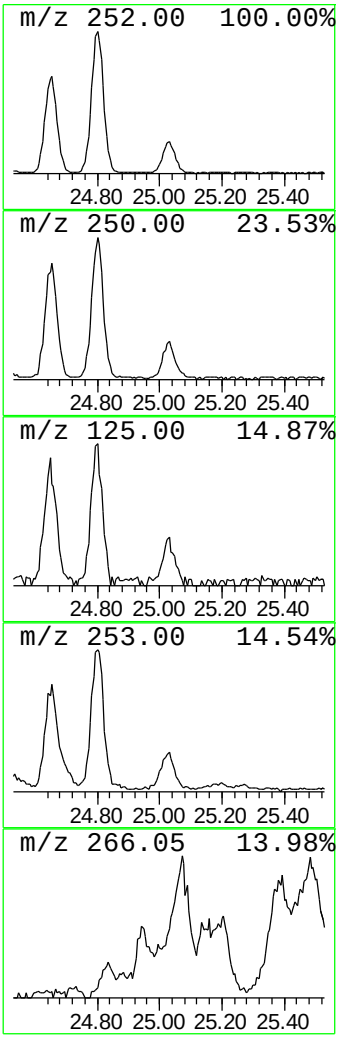
Peak Number 29 unknown-02 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.03	5.62 ng/ul	119272	Perylene-d12	24.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	49
2	(1-Cyclopentenyl)ferrocene	252	C15H16Fe	012260-67-2	47
3	Benzo[a]pyrene	252	C20H12	000050-32-8	46
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	43
5	6-Methoxyanthracene-2-carboxylic...	252	C16H12O3	240121-95-3	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011316\
Data File : BG020721.D
Acq On : 14 Jan 2016 4:49
Operator : SJ/IZ
Sample : H1096-05 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BC935

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011216.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	3.13	4.0	ng/ul	19159	1	8.04	95811	20.0
Dibenzothiophene,...	18.01	2.0	ng/ul	34076	4	17.43	333149	20.0
Phenanthrene, 1-m...	18.30	6.4	ng/ul	106814	4	17.43	333149	20.0
Phenanthrene, 2-m...	18.35	7.9	ng/ul	131866	4	17.43	333149	20.0
Benzaldehyde, 3,5...	18.50	9.8	ng/ul	163613	4	17.43	333149	20.0
Propyne, 1,3-diph...	18.53	4.1	ng/ul	67738	4	17.43	333149	20.0
5,16[1',2']:8,13[...	18.80	3.8	ng/ul	63343	4	17.43	333149	20.0
9,10-Anthracenedione	18.84	6.0	ng/ul	100542	4	17.43	333149	20.0
1-Methyl-3-phenyl...	19.04	3.4	ng/ul	57326	4	17.43	333149	20.0
Phenanthrene, 2,7...	19.09	2.7	ng/ul	45300	4	17.43	333149	20.0
9,10-Dimethylanth...	19.21	8.4	ng/ul	140652	4	17.43	333149	20.0
Phenanthrene, 3,6...	19.27	4.0	ng/ul	66042	4	17.43	333149	20.0
Cyclopenta(def)ph...	19.36	4.5	ng/ul	74702	4	17.43	333149	20.0
7-Isopropenyl-1,4...	19.91	2.5	ng/ul	108210	5	21.70	874942	20.0
11H-Benzo[b]fluorene	20.33	5.9	ng/ul	258119	5	21.70	874942	20.0
Pyrene, 1-methyl-	20.43	2.2	ng/ul	94474	5	21.70	874942	20.0
Pyrene, 2-methyl-	20.49	3.6	ng/ul	157208	5	21.70	874942	20.0
Pyrene, 4-methyl-	20.63	2.2	ng/ul	97721	5	21.70	874942	20.0
Benzo[b]naphtho[2...	21.28	3.4	ng/ul	148185	5	21.70	874942	20.0
unknown-01	21.38	2.2	ng/ul	98001	5	21.70	874942	20.0
11H-Benzo[a]fluor...	21.43	2.8	ng/ul	120365	5	21.70	874942	20.0
Benz[a]anthracene...	22.43	4.2	ng/ul	181995	5	21.70	874942	20.0
unknown-02	25.03	5.6	ng/ul	119272	6	24.96	424765	20.0