LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020416\
Data File : BG020784.D
Acq On : 4 Feb 2016 13:13
Operator : SJ/IZ
Sample : H1334-13 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG10

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-BG012716.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	3.261	67	72	81	rBV	21272	40716	4.31%	0.427%
2	3.338	81	85	91	rVV	20862	29433	3.12%	0.309%
3	7.409	773	778	787	rBV2	7156	15202	1.61%	0.159%
4	8.278	919	926	933	rBB	59720	98819	10.46%	1.036%
5	8.965	1038	1043	1050	rVB2	9062	13884	1.47%	0.146%
6	10.704	1333	1339	1346	rBV2	6963	11711	1.24%	0.123%
7	11.098	1399	1406	1413	rBV	95548	173494	18.37%	1.819%
8	11.227	1422	1428	1434	rVB	7665	12439	1.32%	0.130%
9	14.282	1940	1948	1952	rBV	20248	29625	3.14%	0.311%
10	14.581	1993	1999	2004	rBV	27149	43820	4.64%	0.459%
11	14.887	2045	2051	2057	rVV2	167262	262065	27.75%	2.748%
12	14.946	2057	2061	2068	rVB2	15016	22344	2.37%	0.234%
13	15.275	2112	2117	2123	rBB2	8492	12486	1.32%	0.131%
14	15.868	2213	2218	2223	rBV	37922	51515	5.46%	0.540%
15	15.921	2223	2227	2233	rVV	20059	30587	3.24%	0.321%
16	16.361	2297	2302	2309	rVB2	6302	11797	1.25%	0.124%
17	16.919	2388	2397	2402	rBV4	6719	14696	1.56%	0.154%
18	17.342	2465	2469	2477	rVV5	6703	15833	1.68%	0.166%
19	17.436	2481	2485	2492	rVB	9160	13764	1.46%	0.144%
20	17.618	2509	2516	2520	rBV	204005	314567	33.31%	3.299%
21	17.660	2520	2523	2529	rVV	271113	386865	40.97%	4.057%
22	17.718	2529	2533	2535	rVV2	38535	54682	5.79%	0.573%
23	17.754	2535	2539	2543	rVV	48752	74803	7.92%	0.784%
24	18.012	2573	2583	2587	rBV2	23481	38710	4.10%	0.406%
25	18.488	2656	2664	2668	rBV2	34671	53795	5.70%	0.564%
26	18.535	2668	2672	2680	rVB	49417	73216	7.75%	0.768%
27	18.611	2680	2685	2691	rBV	16432	23555	2.49%	0.247%
28	18.682	2691	2697	2701	rBV3	64637	117399	12.43%	1.231%
29	18.717	2701	2703	2707	rVB2	21855	23884	2.53%	0.250%
30	18.975	2742	2747	2750	rBV2	42519	58091	6.15%	0.609%
31	19.017	2750	2754	2760	rVB	25788	35992	3.81%	0.377%
32	19.269	2793	2797	2800	rBV	9900	12437	1.32%	0.130%
33	19.304	2800	2803	2808	rVB	10169	11452	1.21%	0.120%
34	19.381	2810	2816	2821	rBV2	30552	51849	5.49%	0.544%

LSC Area Percent Report

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Operator : SJ/IZ
Sample : H1334-13 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG10

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-BG012716.M
Title : SVOA CALIBRATION

35	19.451	2821	2828	2831	rBV4	11511	23741	2.51%	0.249%
36	19.528	2836	2841	2849	rVB	27414	45202	4.79%	0.474%
37	19.651	2856	2862	2868	rBV	690718	944294	100.00%	9.902%
38	19.745	2874	2878	2882	rVB	11385	15235	1.61%	0.160%
39	19.798	2882	2887	2891	rBV	20617	28885	3.06%	0.303%
40	19.892	2896	2903	2911	rVB3	16529	34817	3.69%	0.365%
41	19.974	2911	2917	2919	rBV2	121166	175937	18.63%	1.845%
42	20.009	2919	2923	2930	rVB	526605	741437	78.52%	7.775%
43	20.074	2930	2934	2941	rVB	25939	37850	4.01%	0.397%
44	20.180	2946	2952	2958	rBV	29974	42888	4.54%	0.450%
45	20.244	2958	2963	2970	rVB	20721	33567	3.55%	0.352%
46	20.332	2970	2978	2983	rBV5	34915	92472	9.79%	0.970%
47	20.462	2993	3000	3001	rBV3	26921	45119	4.78%	0.473%
48	20.491	3001	3005	3010	rVB	86474	128111	13.57%	1.343%
49	20.591	3016	3022	3026	rBV	63954	89381	9.47%	0.937%
50	20.650	3026	3032	3036	rVV3	44580	88344	9.36%	0.926%
51	20.685	3036	3038	3042	rVV2	15046	17191	1.82%	0.180%
52	20.726	3042	3045	3051	rVB3	8851	13805	1.46%	0.145%
53	20.791	3051	3056	3060	rBV2	25190	36956	3.91%	0.388%
54	20.838	3060	3064	3073	rVB2	26323	40665	4.31%	0.426%
55	21.090	3104	3107	3110	rVV3	15268	23932	2.53%	0.251%
56	21.125	3110	3113	3120	rVV5	12032	29170	3.09%	0.306%
57	21.219	3124	3129	3132	rVV5	11936	25160	2.66%	0.264%
58	21.266	3132	3137	3144	rVV	48576	87057	9.22%	0.913%
59	21.372	3151	3155	3160	rVV5	7734	14132	1.50%	0.148%
60	21.460	3161	3170	3174	rVV2	41956	99000	10.48%	1.038%
61	21.507	3174	3178	3182	rVV	45733	76770	8.13%	0.805%
62	21.554	3182	3186	3191	rVV2	48152	93233	9.87%	0.978%
63	21.607	3191	3195	3205	rVB2	42496	81826	8.67%	0.858%
64	21.766	3210	3222	3229	rBV2	39682	90174	9.55%	0.946%
65	21.836	3229	3234	3235	rVV2	13294	19272	2.04%	0.202%
66	21.883	3235	3242	3249	rVV2	313880	863344	91.43%	9.053%
67	21.948	3249	3253	3267	rVB	204728	359425	38.06%	3.769%
68	22.106	3274	3280	3285	rBV2	21486	42548	4.51%	0.446%
69	22.171	3285	3291	3297	rVV2	20631	45851	4.86%	0.481%
70	22.247	3299	3304	3310	rVB3	17188	36985	3.92%	0.388%
71	22.312	3310	3315	3324	rBV3	29584	66317	7.02%	0.695%

LSC Area Percent Report

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Acq On : 4 Feb 2016 13:13
Operator : SJ/IZ
Sample : H1334-13 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG10

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Title : SVOA CALIBRATION

72	22.518	3346	3350	3356	rVV7	6816	15566	1.65%	0.163%
73	22.576	3356	3360	3364	rVV5	11625	21350	2.26%	0.224%
74	22.659	3364	3374	3380	rVV2	35293	102517	10.86%	1.075%
75	22.735	3380	3387	3393	rVV3	27418	61249	6.49%	0.642%
76	22.835	3396	3404	3407	rVV5	9223	25462	2.70%	0.267%
77	22.876	3408	3411	3417	rVV4	14892	30814	3.26%	0.323%
78	22.941	3417	3422	3427	rVV2	20965	49032	5.19%	0.514%
79	22.988	3427	3430	3435	rVV5	20591	43648	4.62%	0.458%
80	23.035	3435	3438	3443	rVV	23385	43150	4.57%	0.452%
81	23.093	3445	3448	3456	rVB3	10467	20898	2.21%	0.219%
82	23.352	3484	3492	3494	rBV3	7445	15628	1.65%	0.164%
83	23.775	3553	3564	3565	rBV5	8734	16887	1.79%	0.177%
84	23.810	3566	3570	3578	rVB5	9940	21815	2.31%	0.229%
85	24.063	3607	3613	3619	rVB3	5663	13313	1.41%	0.140%
86	24.204	3624	3637	3644	rBV	147298	509028	53.91%	5.338%
87	24.468	3673	3682	3691	rBV2	24504	64690	6.85%	0.678%
88	24.691	3712	3720	3725	rBV6	8463	26988	2.86%	0.283%
89	24.961	3756	3766	3775	rBV	71139	210005	22.24%	2.202%
90	25.038	3775	3779	3783	rVV2	17127	38111	4.04%	0.400%
91	25.114	3784	3792	3808	rVB	110936	320651	33.96%	3.362%
92	25.273	3808	3819	3827	rBV2	111439	334104	35.38%	3.503%
93	25.349	3827	3832	3848	rVB2	30374	104715	11.09%	1.098%
94	26.730	4060	4067	4077	rVB5	7043	22531	2.39%	0.236%
95	27.969	4272	4278	4287	rVB5	4413	13195	1.40%	0.138%
96	28.656	4386	4395	4396	rBV3	7581	13897	1.47%	0.146%
97	29.138	4462	4477	4501	rVB4	43552	237232	25.12%	2.488%
98	29.643	4554	4563	4564	rBV8	6095	12428	1.32%	0.130%
99	30.342	4666	4682	4698	rBV3	33211	164935	17.47%	1.730%
100	30.977	4778	4790	4791	rBV8	7377	17081	1.81%	0.179%

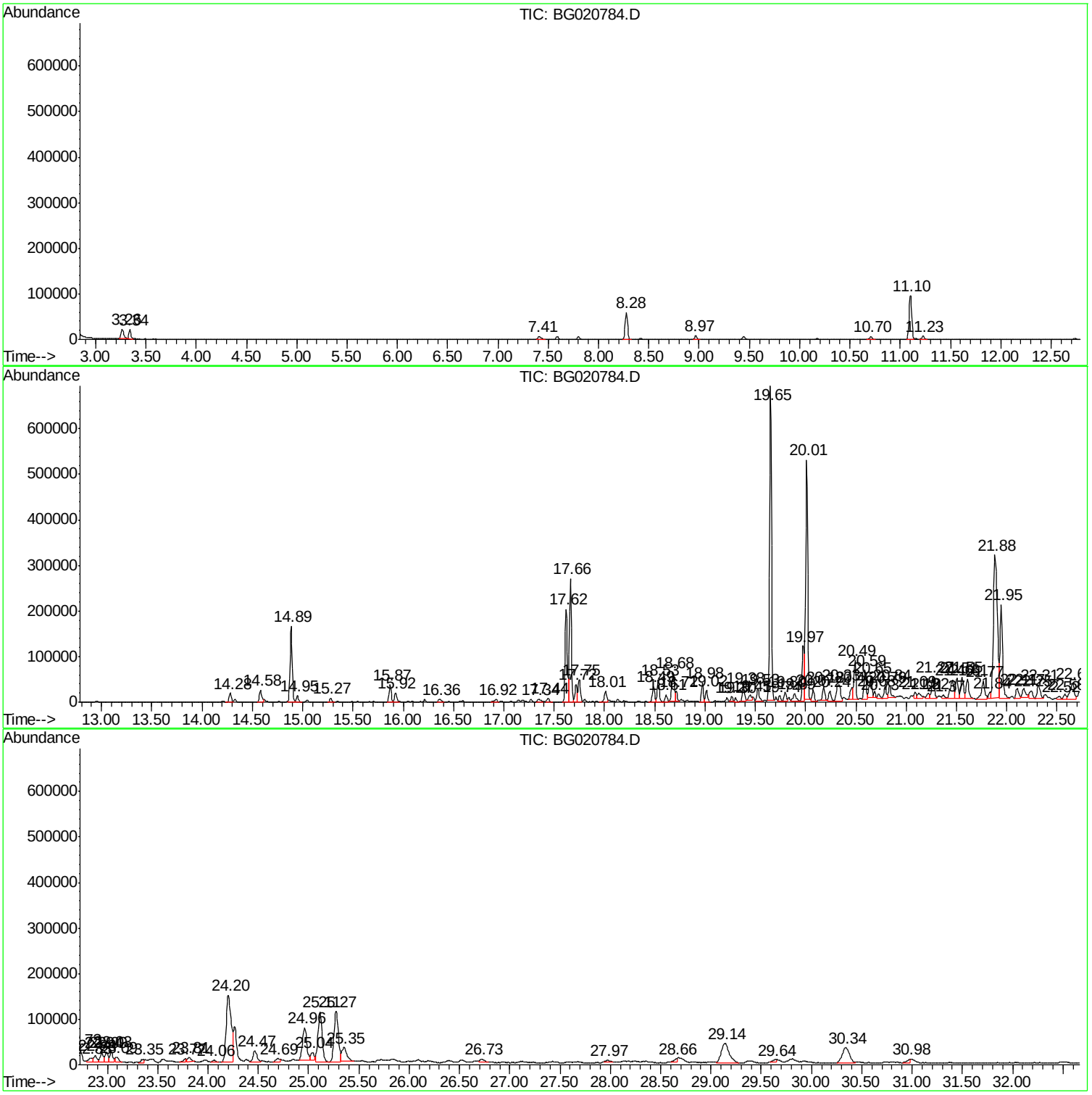
Sum of corrected areas: 9536540

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020416\
Data File : BG020784.D
Acq On : 4 Feb 2016 13:13
Operator : SJ/IZ
Sample : H1334-13 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG10

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

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



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Quant Title : SVOA CALIBRATION

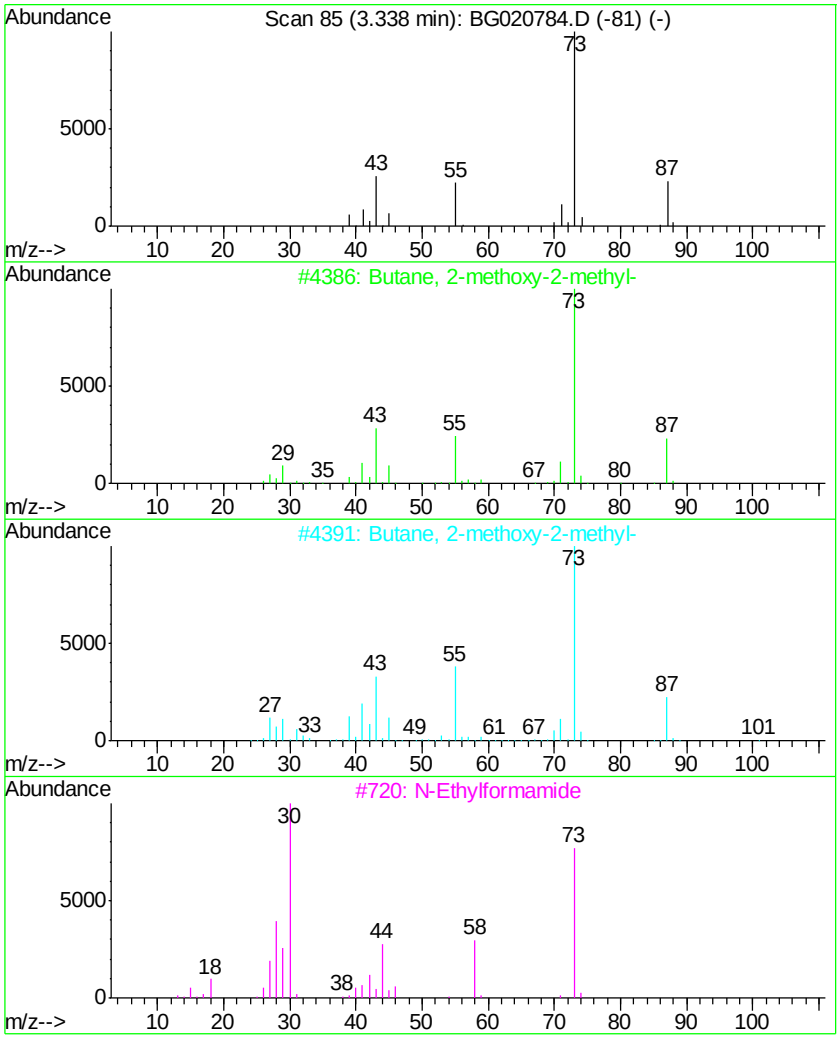
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

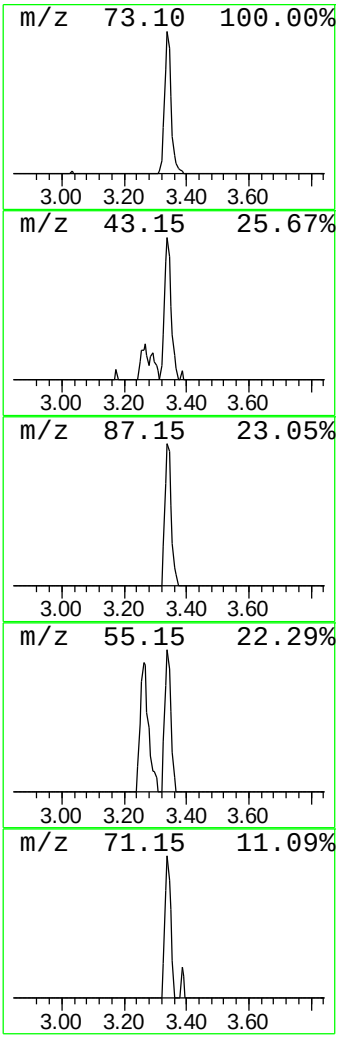
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.34	5.96 ng/ul	29433	1,4-Dichlorobenzene-d4	8.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	9
3	N-Ethylformamide	73	C3H7NO	000627-45-2	5
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	5
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	5





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020416\
Data File : BG020784.D
Acq On : 4 Feb 2016 13:13
Operator : SJ/IZ
Sample : H1334-13 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG10

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

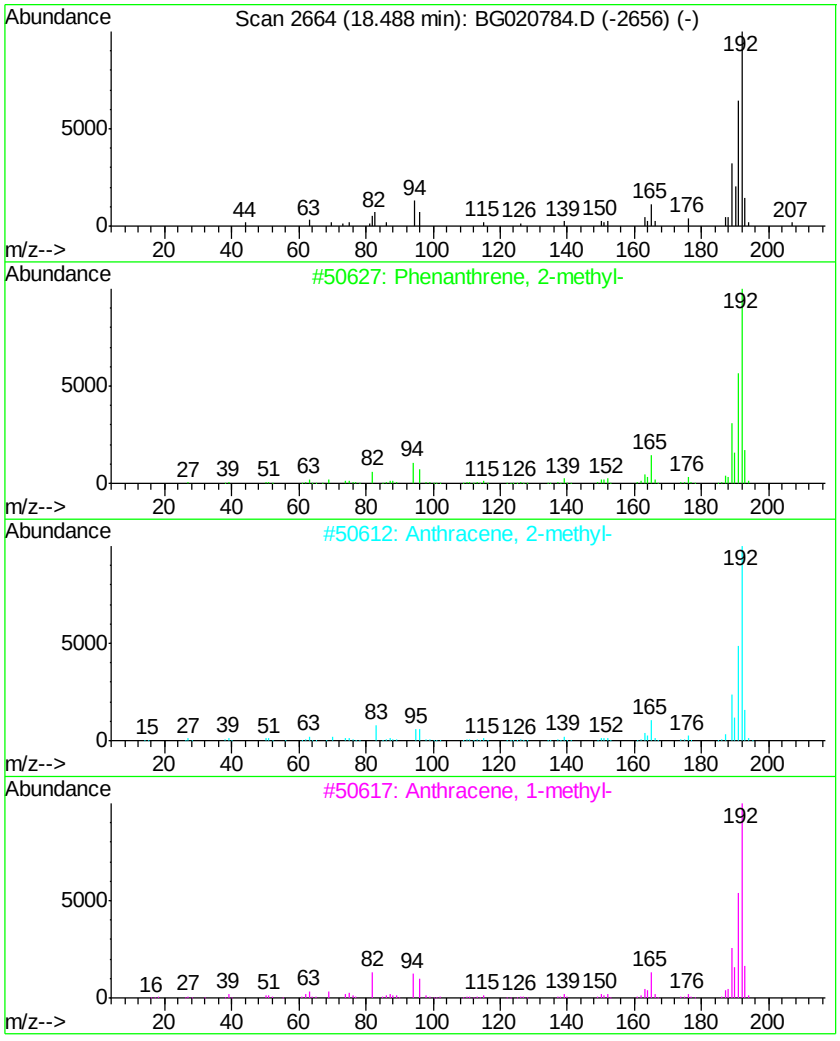
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

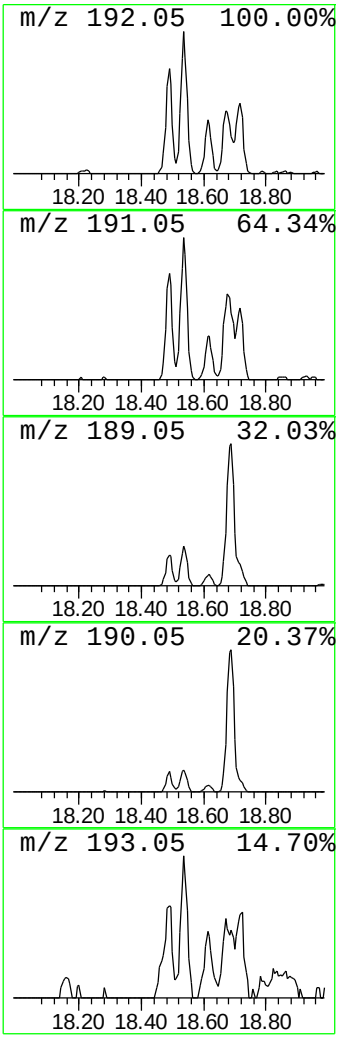
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	3.42 ng/ul	53795	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





Data Path : Z:\HPCHEM1\BNA G\DATA\BG020416\
Data File : BG020784.D
Acq On : 4 Feb 2016 13:13
Operator : SJ/IZ
Sample : H1334-13 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG10

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

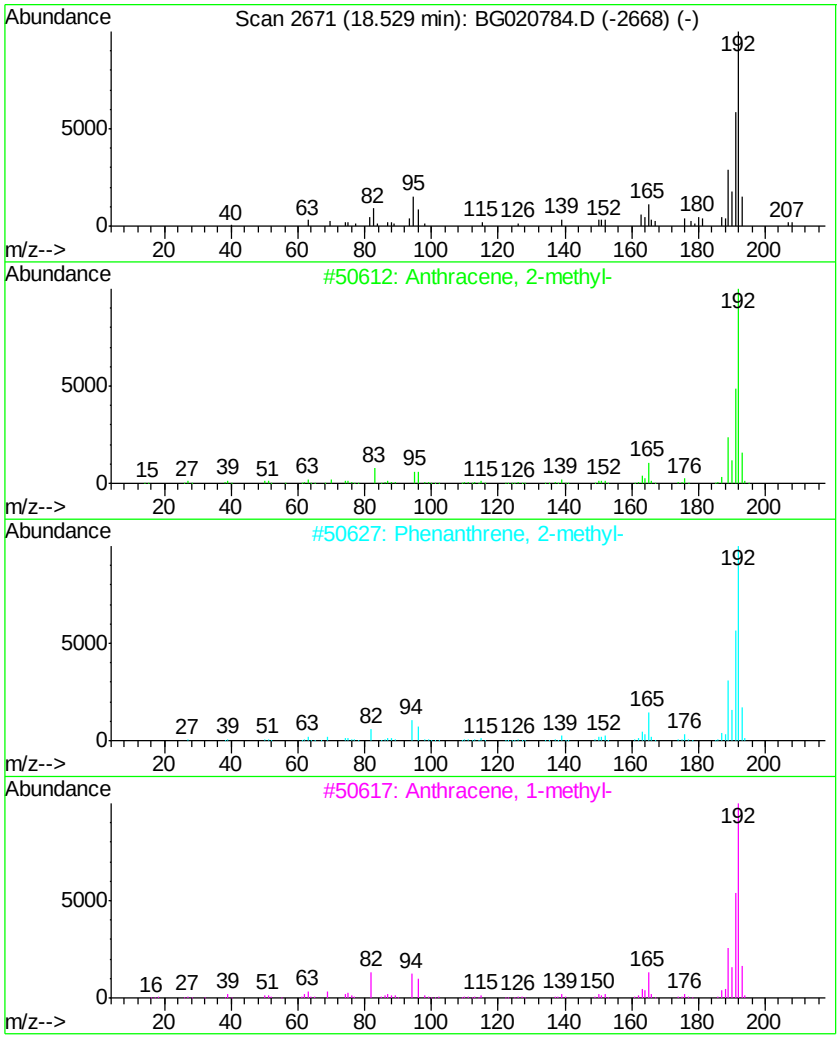
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

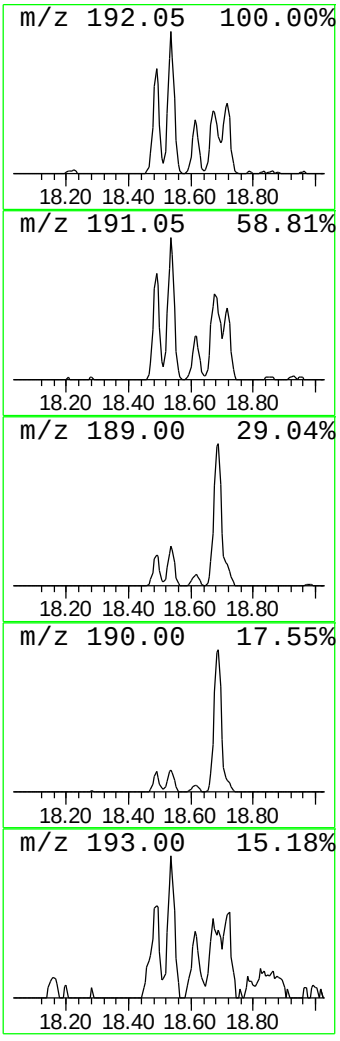
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	4.66 ng/ul	73216	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020416\
Data File : BG020784.D
Acq On : 4 Feb 2016 13:13
Operator : SJ/IZ
Sample : H1334-13 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG10

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

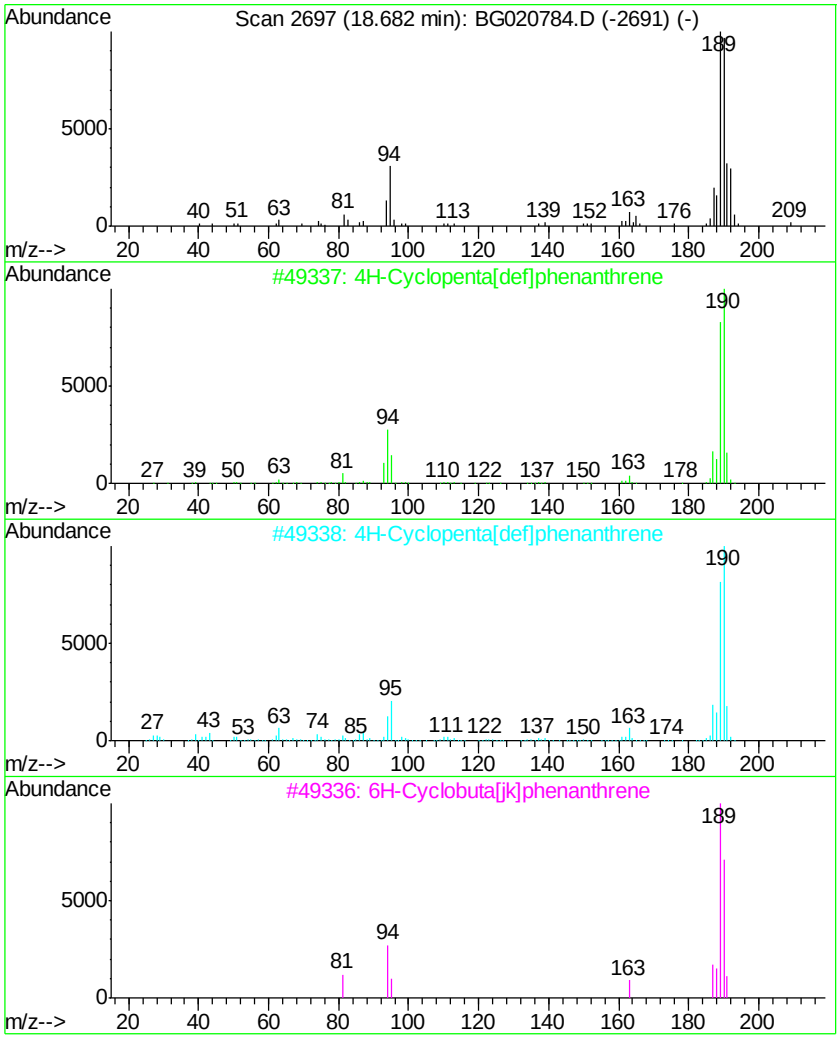
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

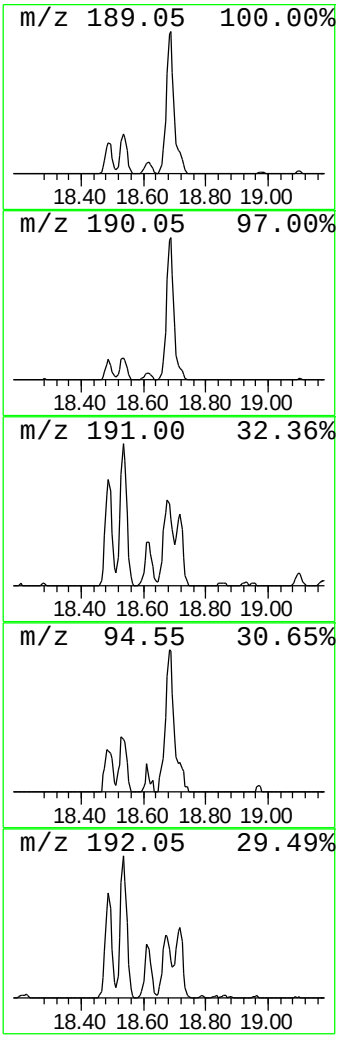
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	7.46 ng/ul	117399	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	37





Data Path : Z:\HPCHEM1\BNA G\DATA\BG020416\
Data File : BG020784.D
Acq On : 4 Feb 2016 13:13
Operator : SJ/IZ
Sample : H1334-13 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG10

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

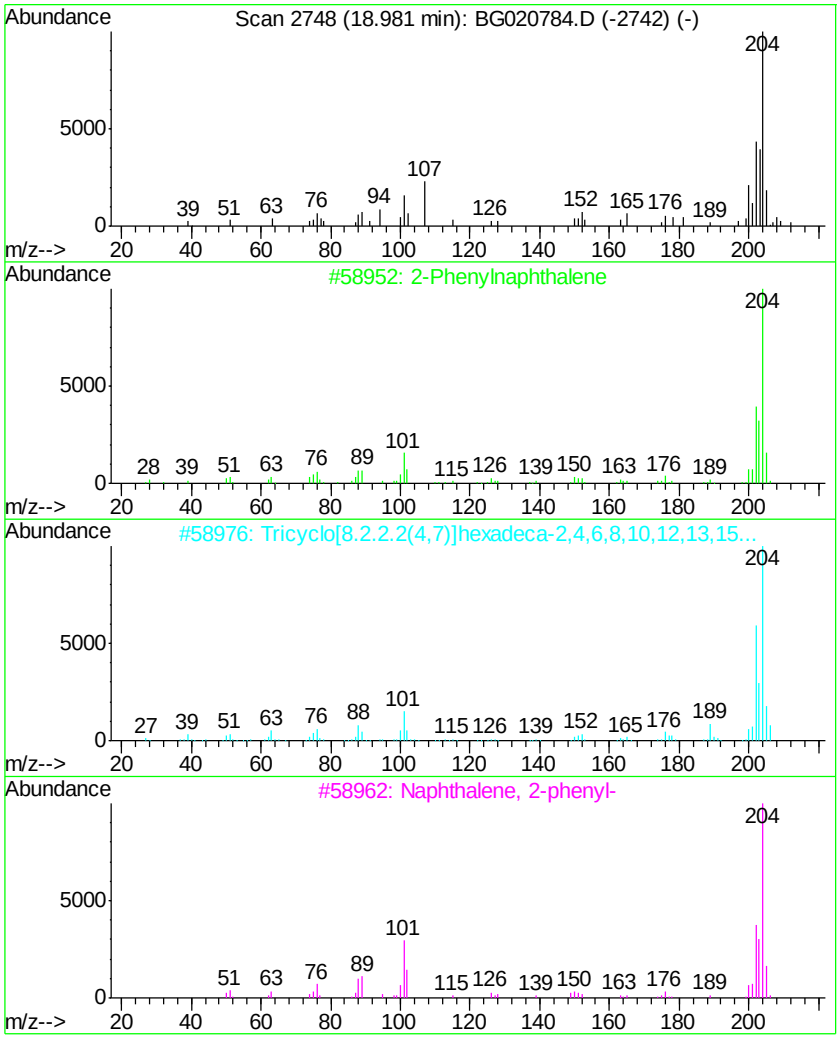
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

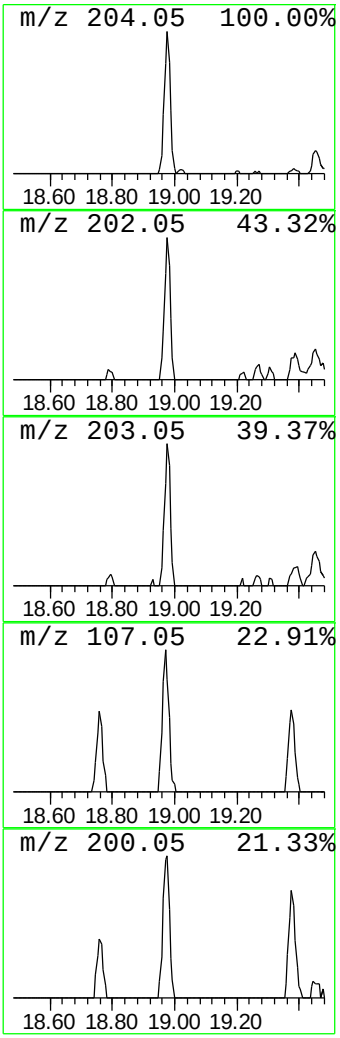
****

Peak Number 6 2-Phenylnaphthalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.98	3.69 ng/ul	58091	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	70
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	60
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	55
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	49
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46





Data Path : Z:\HPCHEM1\BNA G\DATA\BG020416\
Data File : BG020784.D
Acq On : 4 Feb 2016 13:13
Operator : SJ/IZ
Sample : H1334-13 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG10

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

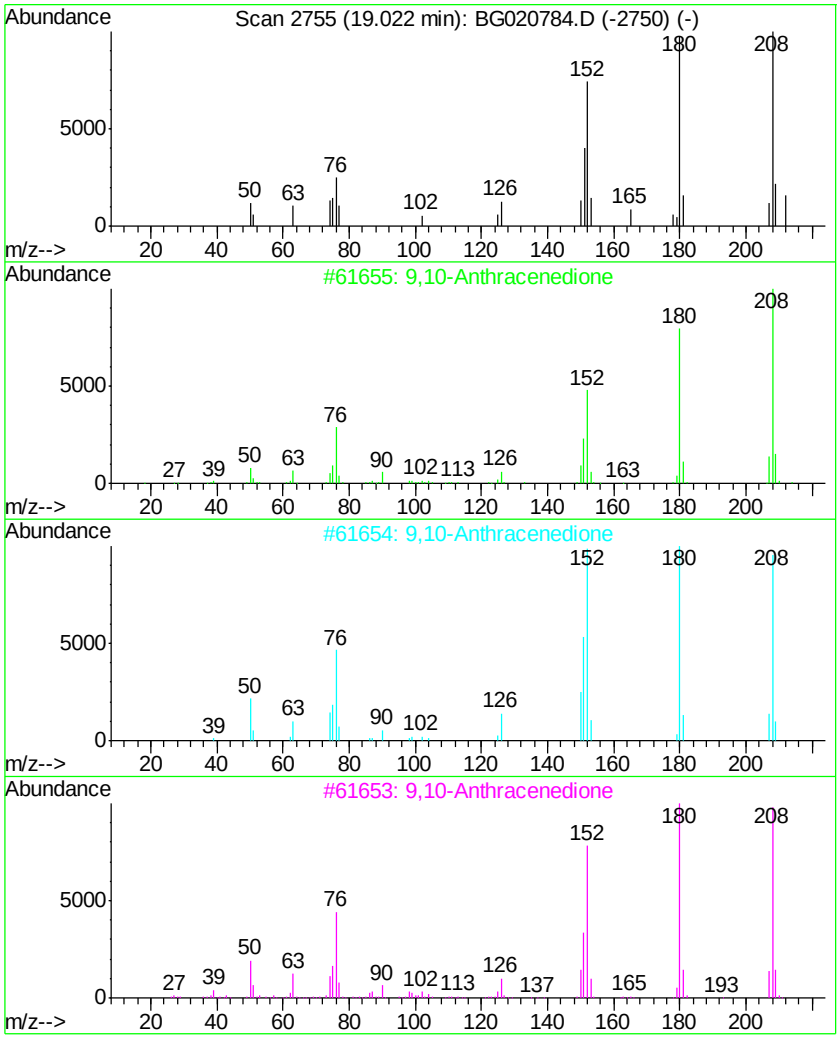
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

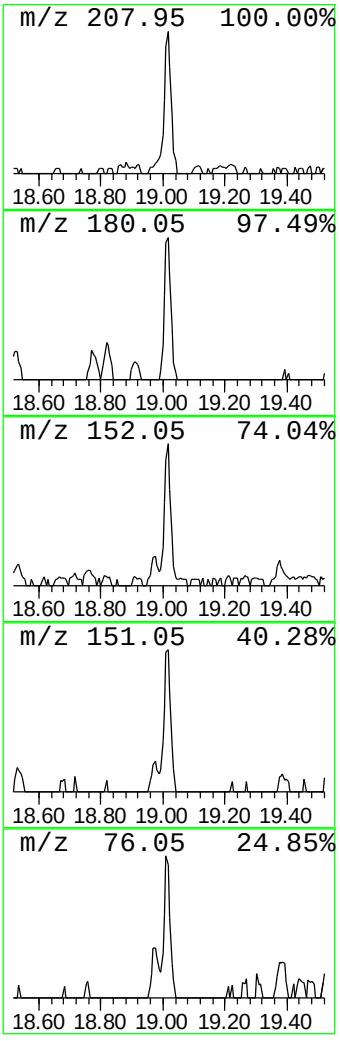
****

Peak Number 7 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	2.29 ng/ul	35992	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	62





Library Search Compound Report

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Operator : SJ/IZ
Sample : H1334-13 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG10

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

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

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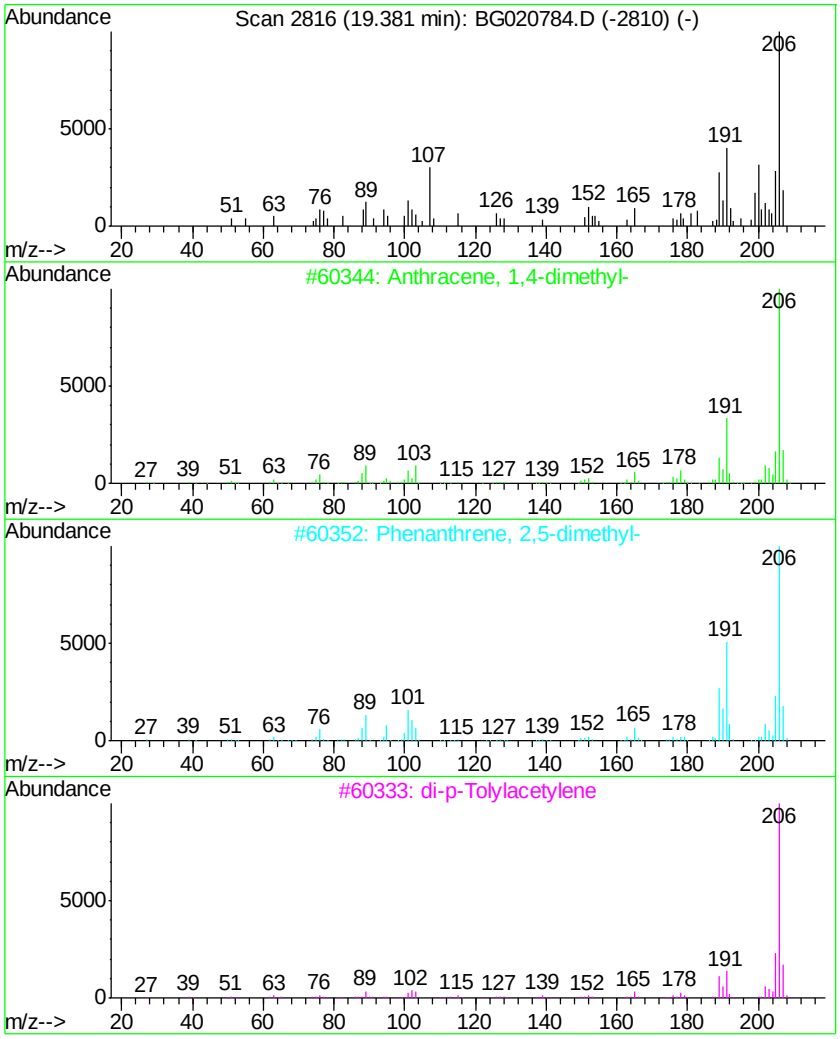
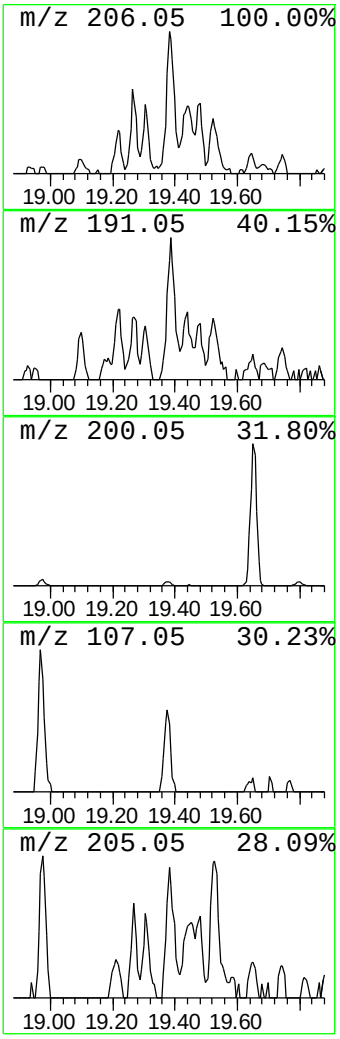
Peak Number 8 Anthracene, 1,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.38	3.30 ng/ul	51849	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	89
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	89
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89





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Data File : BG020784.D
Acq On : 4 Feb 2016 13:13
Operator : SJ/IZ
Sample : H1334-13 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG10

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

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

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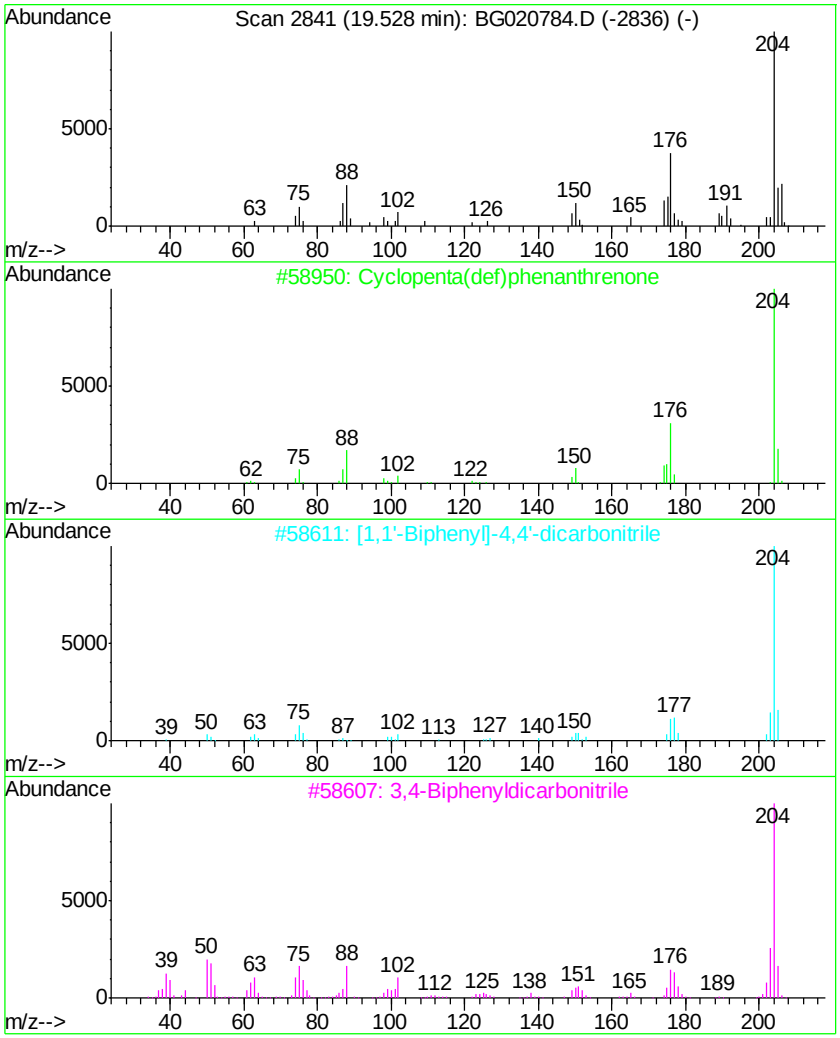
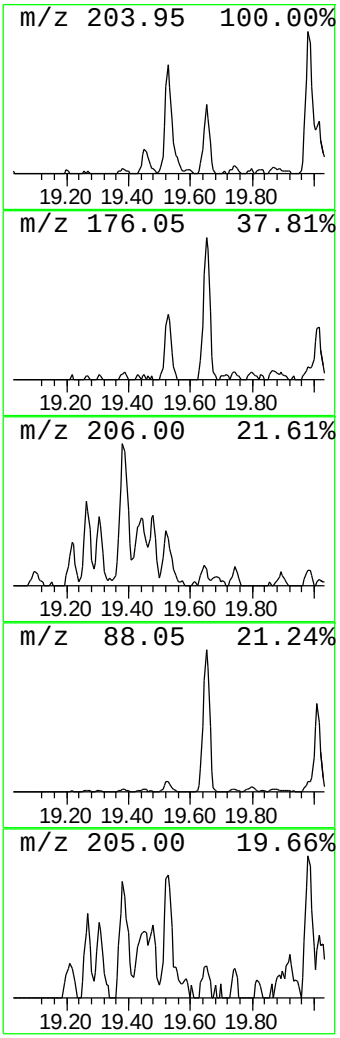
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.53	2.87 ng/ul	45202	Phenanthrene-d10	17.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	43





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Data File : BG020784.D
Acq On : 4 Feb 2016 13:13
Operator : SJ/IZ
Sample : H1334-13 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG10

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

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

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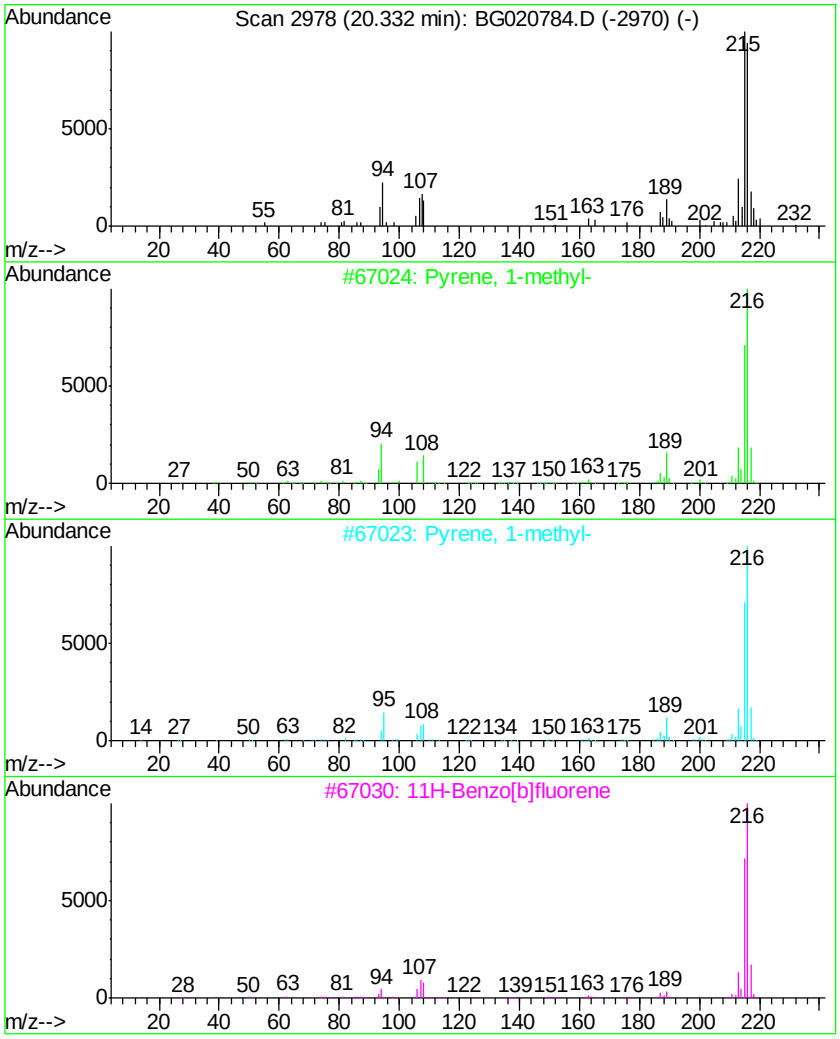
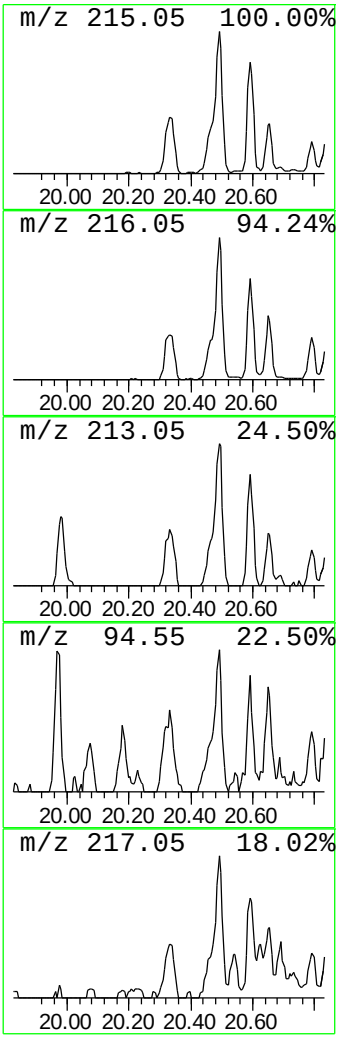
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.33	2.14 ng/ul	92472	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76





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Data File : BG020784.D
Acq On : 4 Feb 2016 13:13
Operator : SJ/IZ
Sample : H1334-13 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG10

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

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

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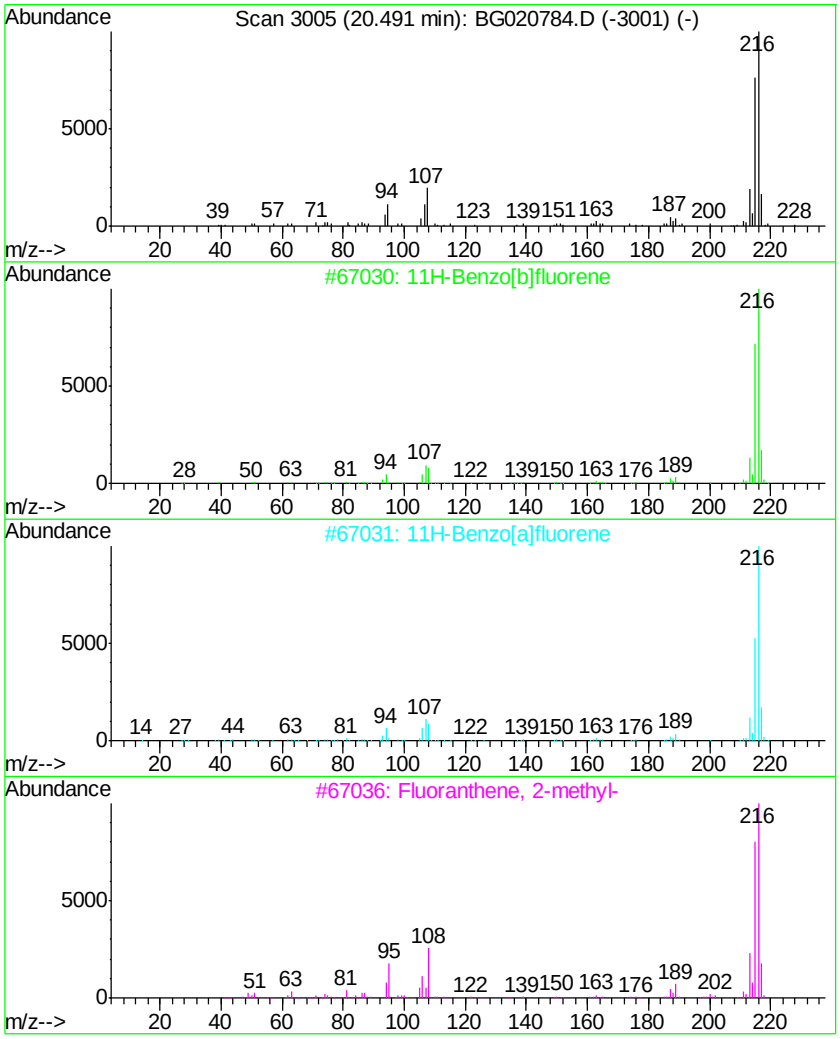
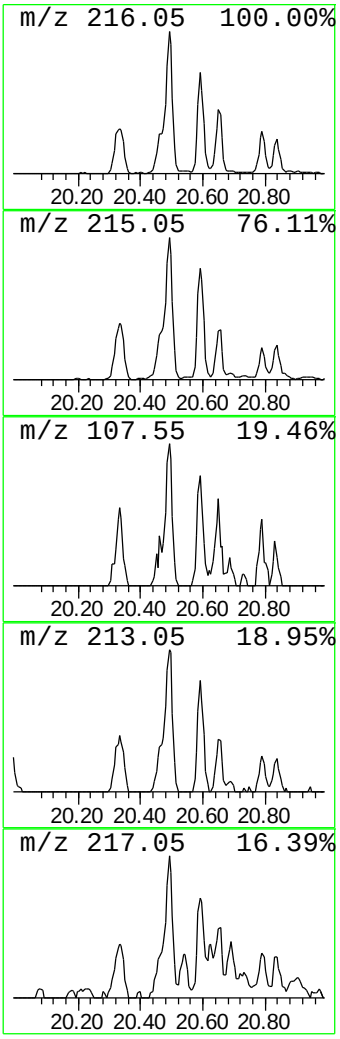
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.49	2.97 ng/ul	128111	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	81





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020416\
Data File : BG020784.D
Acq On : 4 Feb 2016 13:13
Operator : SJ/IZ
Sample : H1334-13 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG10

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

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

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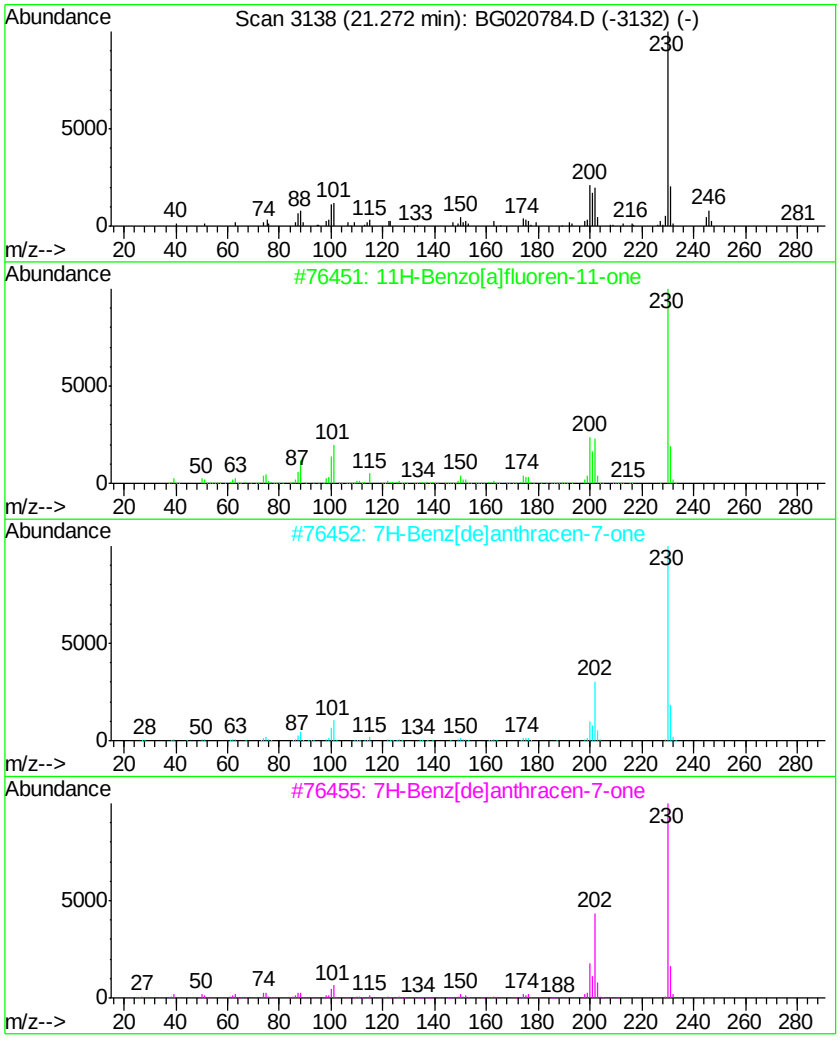
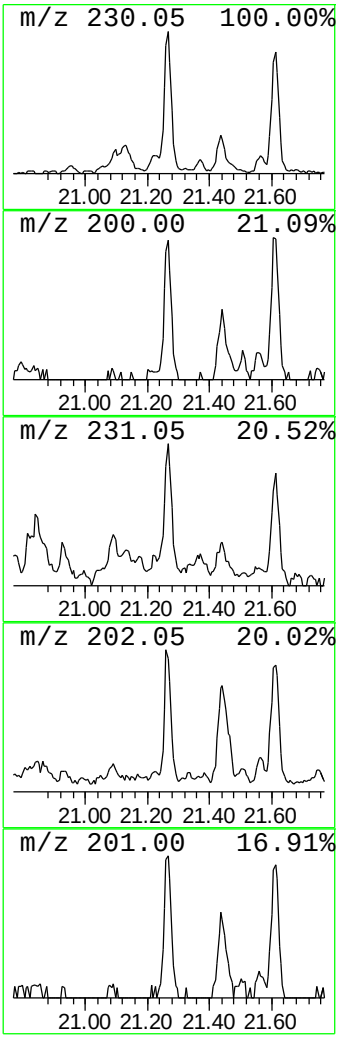
Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.27	2.02 ng/ul	87057	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	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
5	o-Terphenyl	230	C18H14	000084-15-1	59





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Acq On : 4 Feb 2016 13:13
Operator : SJ/IZ
Sample : H1334-13 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG10

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

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

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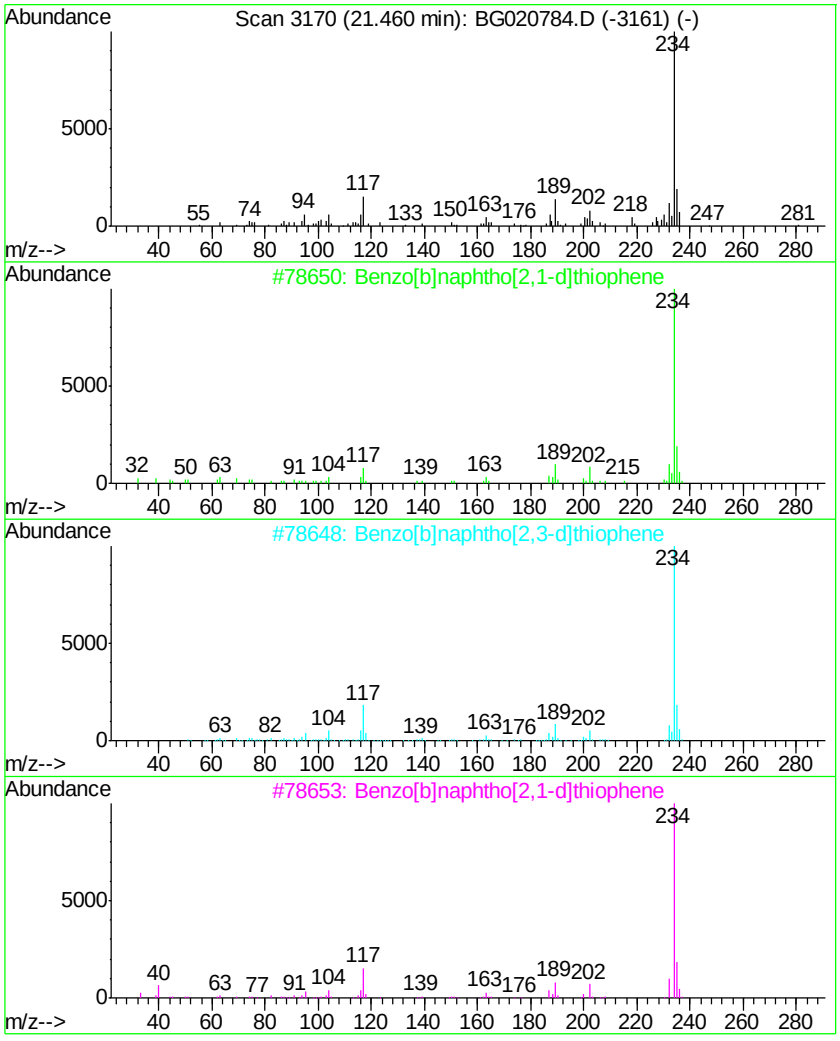
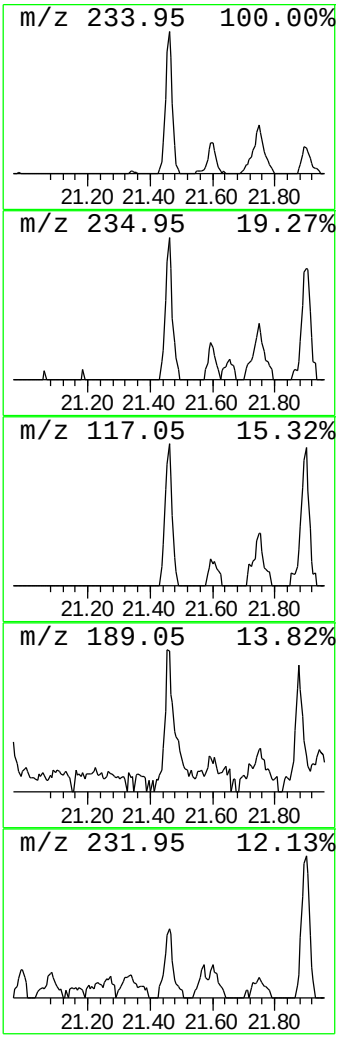
Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.46	2.29 ng/ul	99000	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	96
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	96
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	93





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : BBG10

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

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

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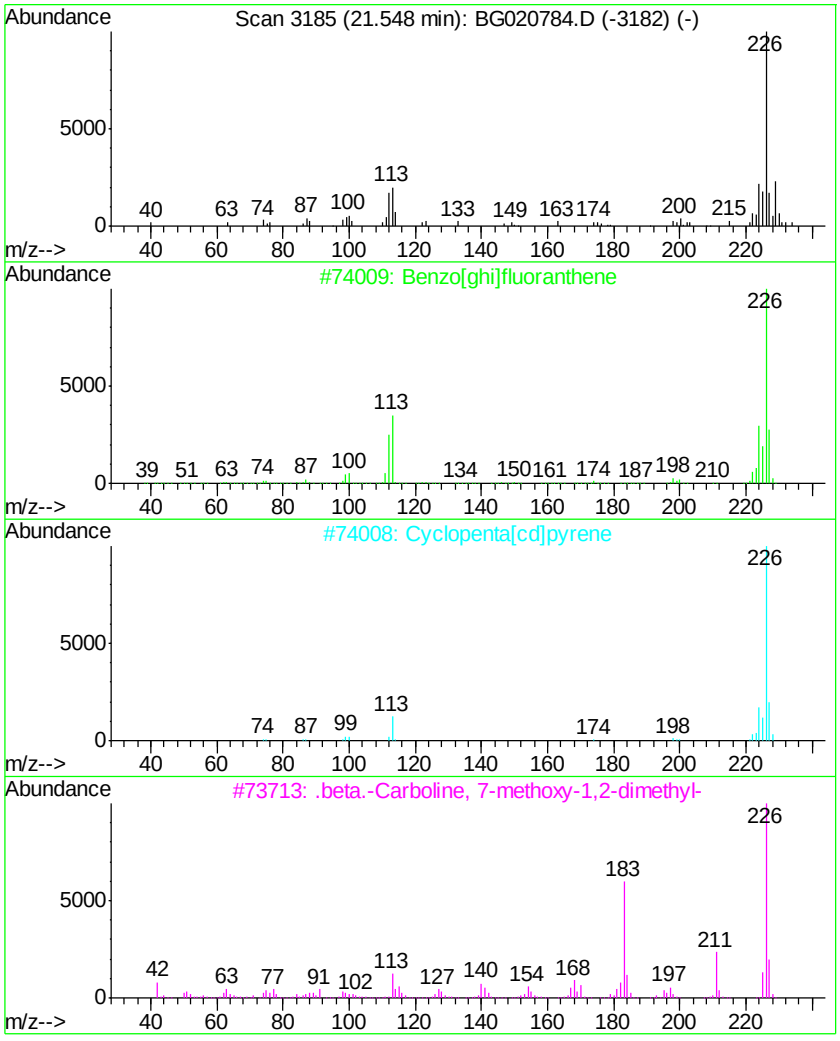
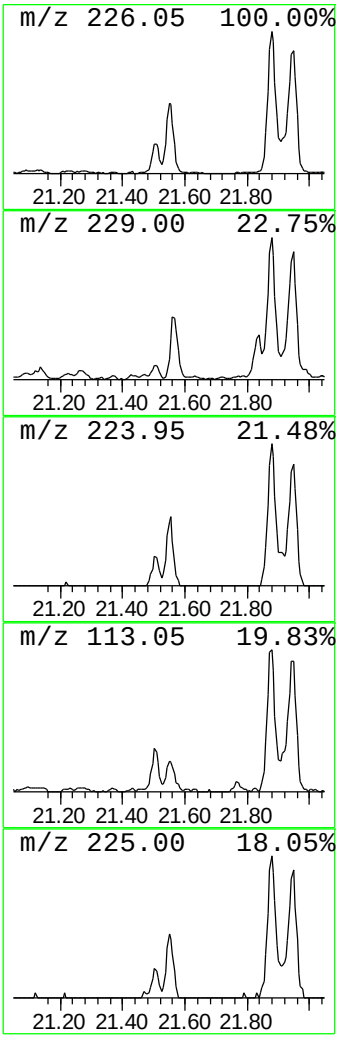
Peak Number 16 Benzo[ghi]fluoranthene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.55	2.16 ng/ul	93233	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	60
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	49
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	47
4	1-Bromo-2,4-dichlorobenzene	224	C6H3BrCl2	001193-72-2	43
5	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	35





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Misc :
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Instrument : BNA_G
ClientSampleId : BBG10

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG012716.M
Quant Title : SVOA CALIBRATION

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

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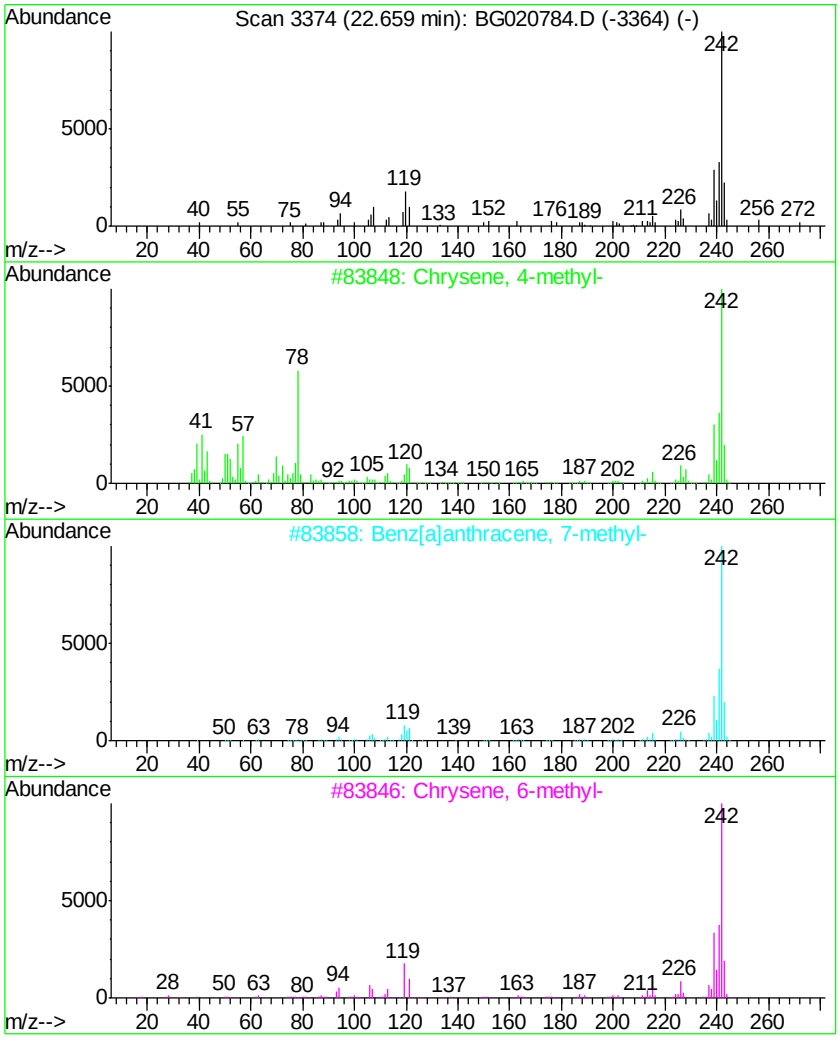
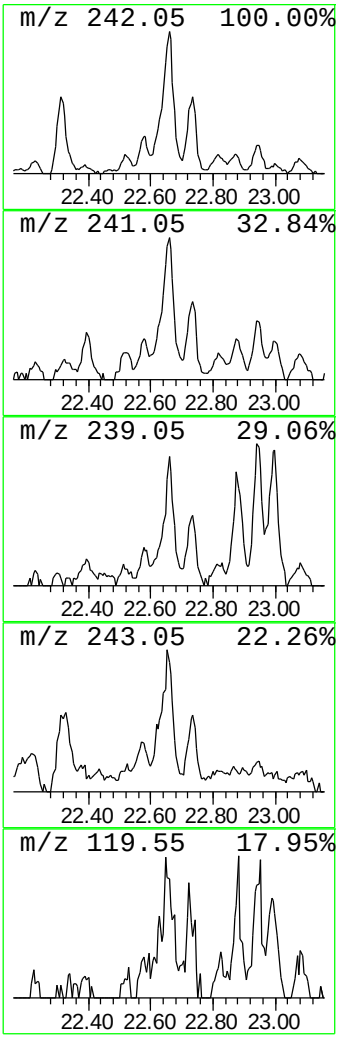
Peak Number 17 Chrysene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.66	2.37 ng/ul	102517	Chrysene-d12	21.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 4-methyl-	242	C19H14	003351-30-2	95
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
3	Chrysene, 6-methyl-	242	C19H14	001705-85-7	93
4	Chrysene, 2-methyl-	242	C19H14	003351-32-4	93
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93





Tentatively Identified Compound (LSC) summary

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Data File : BG020784.D
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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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	3.34	6.0	ng/ul	29433	1	8.28	98819	20.0
Phenanthrene, 2-m...	18.49	3.4	ng/ul	53795	4	17.62	314567	20.0
Anthracene, 2-met...	18.53	4.7	ng/ul	73216	4	17.62	314567	20.0
4H-Cyclopenta[def...	18.68	7.5	ng/ul	117399	4	17.62	314567	20.0
2-Phenylnaphthalene	18.98	3.7	ng/ul	58091	4	17.62	314567	20.0
9,10-Anthracenedione	19.02	2.3	ng/ul	35992	4	17.62	314567	20.0
Anthracene, 1,4-d...	19.38	3.3	ng/ul	51849	4	17.62	314567	20.0
Cyclopenta(def)ph...	19.53	2.9	ng/ul	45202	4	17.62	314567	20.0
Pyrene, 1-methyl-	20.33	2.1	ng/ul	92472	5	21.90	863344	20.0
11H-Benzo[b]fluorene	20.49	3.0	ng/ul	128111	5	21.90	863344	20.0
11H-Benzo[a]fluor...	21.27	2.0	ng/ul	87057	5	21.90	863344	20.0
Benzo[b]naphtho[2...	21.46	2.3	ng/ul	99000	5	21.90	863344	20.0
Benzo[ghi]fluoran...	21.55	2.2	ng/ul	93233	5	21.90	863344	20.0
Chrysene, 4-methyl-	22.66	2.4	ng/ul	102517	5	21.90	863344	20.0