

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070516\  
 Data File : BG022857.D  
 Acq On : 5 Jul 2016 19:26  
 Operator : UM/SJ  
 Sample : H3811-10  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A4TV8

Quant Time: Jul 06 03:24:28 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jul 06 03:22:12 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.16  | 152  | 132692   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.99 | 136  | 626195   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.80 | 164  | 500151   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.55 | 188  | 1149884  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.85 | 240  | 1248168  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.22 | 264  | 1260537  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.54  | 96  | 3800    | 1.60  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.30  | 99  | 265321  | 19.01 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.47  | 67  | 154633  | 19.65 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.69  | 132 | 173596  | 18.62 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.86  | 113 | 199466  | 18.40 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.33  | 128 | 95783   | 19.18 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.05 | 143 | 108432  | 18.00 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.60 | 165 | 219605  | 17.44 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.12 | 131 | 109902  | 10.31 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.20 | 166 | 782162  | 19.25 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.49 | 160 | 900050  | 19.33 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.99 | 143 | 114331  | 17.92 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.79 | 176 | 738137  | 19.17 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.91 | 200 | 128389  | 17.36 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.65 | 188 | 1017521 | 19.04 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.94 | 212 | 1219414 | 20.45 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 24.99 | 264 | 1163287 | 19.42 | ng/ul | 0.00 |

## Target Compounds

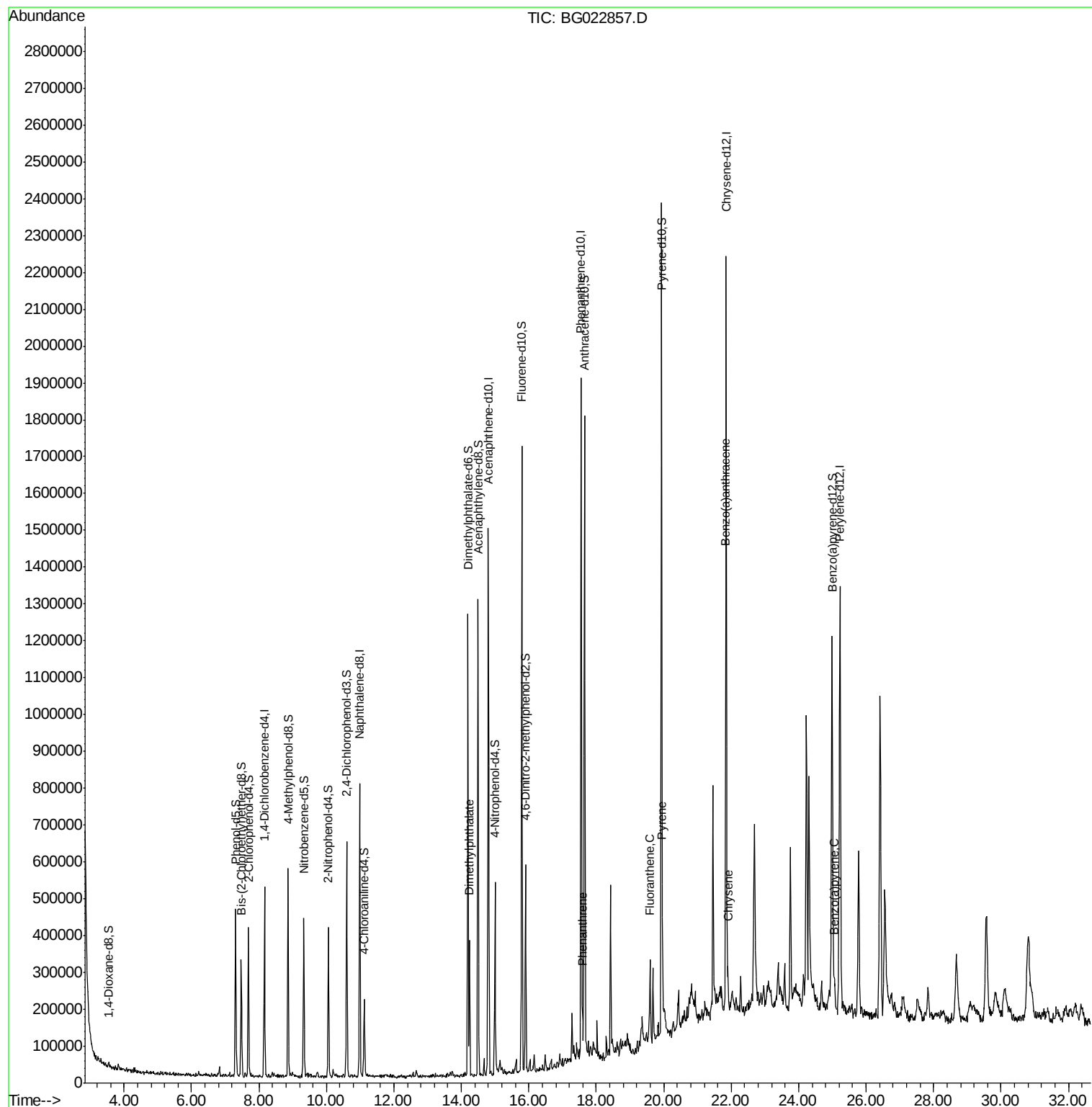
|                        |       |     |        |      |        | Ovalue |
|------------------------|-------|-----|--------|------|--------|--------|
| 44) Dimethylphthalate  | 14.24 | 163 | 223728 | 5.39 | ng/ul# | 98     |
| 69) Phenanthrene       | 17.60 | 178 | 67691  | 1.15 | ng/ul# | 90     |
| 74) Fluoranthene       | 19.59 | 202 | 131657 | 2.15 | ng/ul# | 86     |
| 77) Pyrene             | 19.96 | 202 | 129910 | 1.86 | ng/ul# | 84     |
| 80) Benzo(a)anthracene | 21.83 | 228 | 83973  | 1.15 | ng/ul  | 94     |
| 82) Chrysene           | 21.90 | 228 | 85193  | 1.28 | ng/ul  | 96     |
| 88) Benzo(a)pyrene     | 25.06 | 252 | 79679  | 1.06 | ng/ul# | 83     |

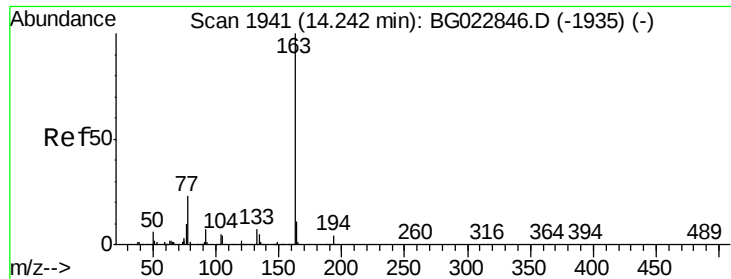
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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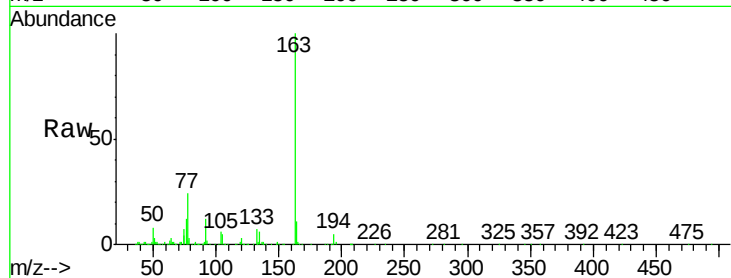




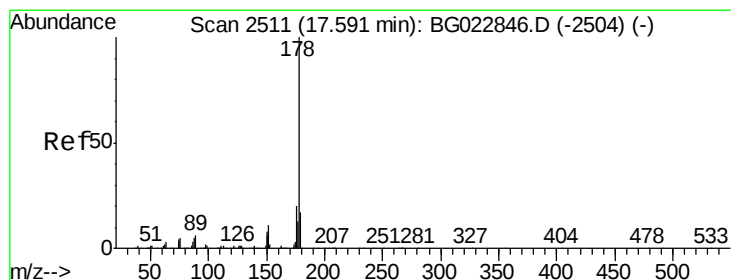
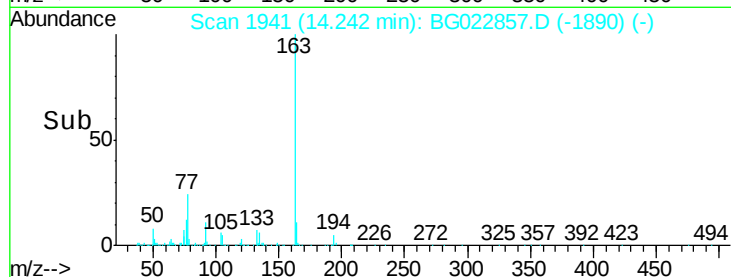
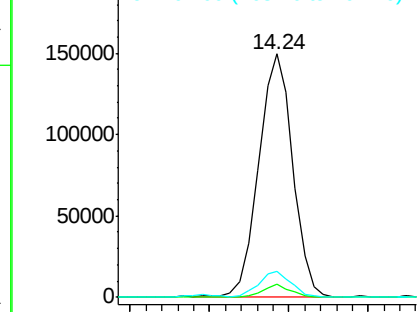
#44  
Dimethylphthalate  
Concen: 5.39 ng/ul  
RT: 14.24 min Scan# 1941  
Delta R.T. 0.00 min  
Lab File: BG022857.D  
Acq: 5 Jul 2016 19:26

Instrument :  
BNA\_G  
ClientSampleId :  
A4TV8

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 5.5   | 3.4   | 5.2#  |
| 164     | 10.7  | 8.8   | 13.2  |

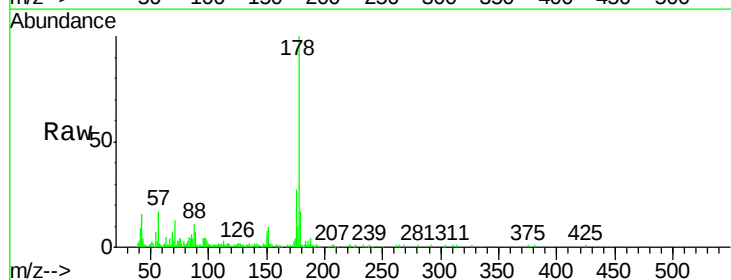


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

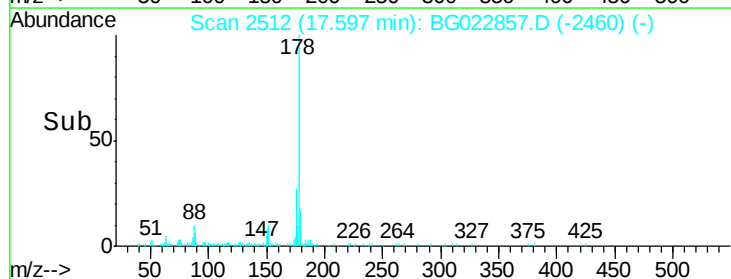
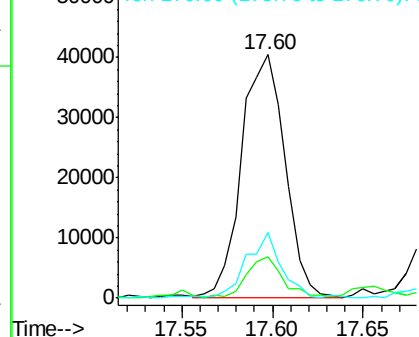


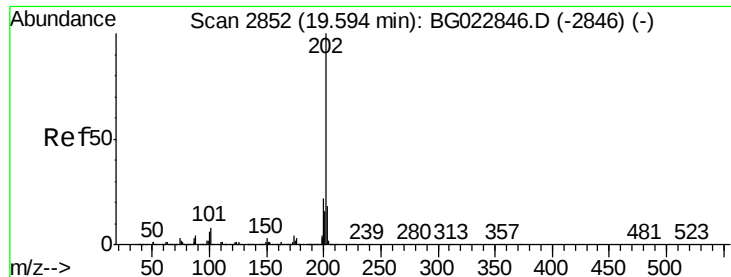
#69  
Phenanthrene  
Concen: 1.15 ng/ul  
RT: 17.60 min Scan# 2512  
Delta R.T. 0.01 min  
Lab File: BG022857.D  
Acq: 5 Jul 2016 19:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 17.1  | 12.9  | 19.3  |
| 176     | 27.2  | 15.8  | 23.8# |



Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 179.00 (178.70 to 179.70): E  
Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 2.15 ng/ul

RT: 19.59 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BG022857.D

Acq: 5 Jul 2016 19:26

Instrument :

BNA\_G

ClientSampleId :

A4TV8

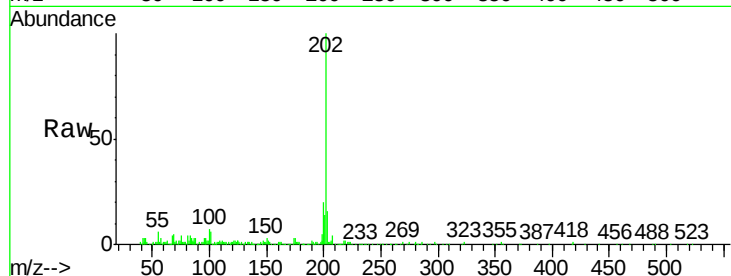
Tot Ion:202 Resp: 131657

Ion Ratio Lower Upper

202 100

101 6.0 10.6 16.0#

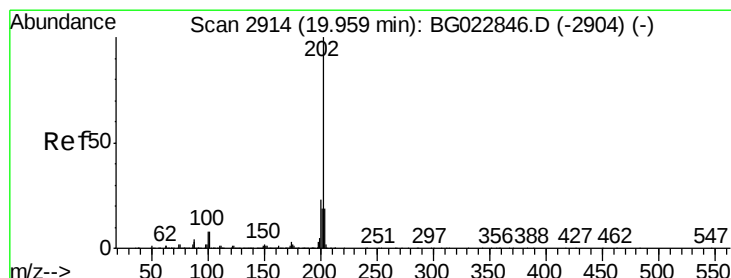
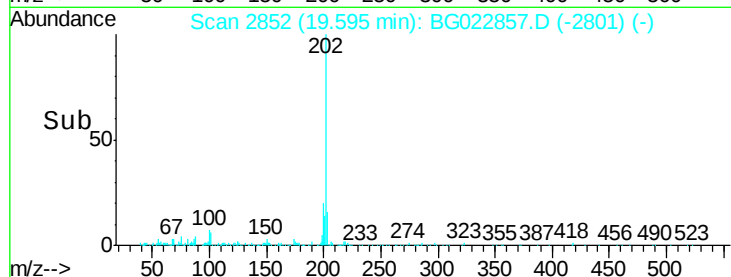
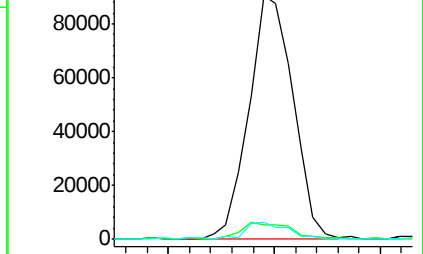
100 7.2 8.7 13.1#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 1.86 ng/ul

RT: 19.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: BG022857.D

Acq: 5 Jul 2016 19:26

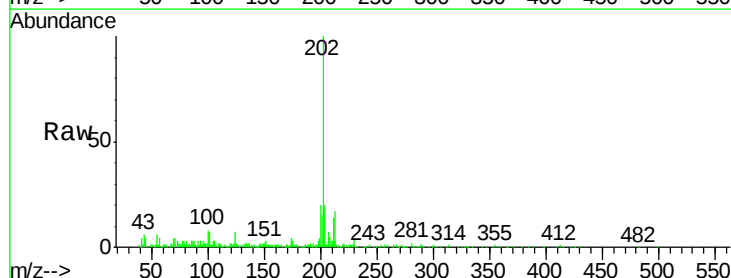
Tgt Ion:202 Resp: 129910

Ion Ratio Lower Upper

202 100

101 7.5 12.5 18.7#

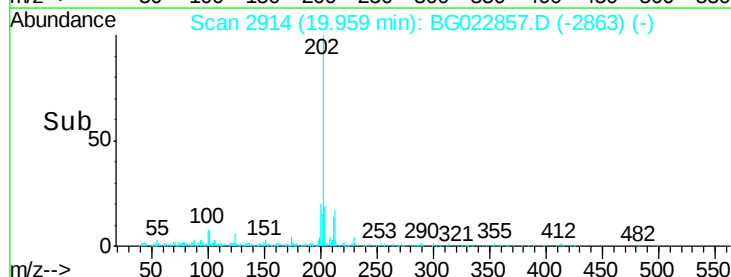
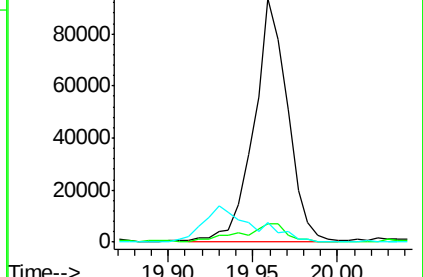
100 7.9 10.2 15.4#

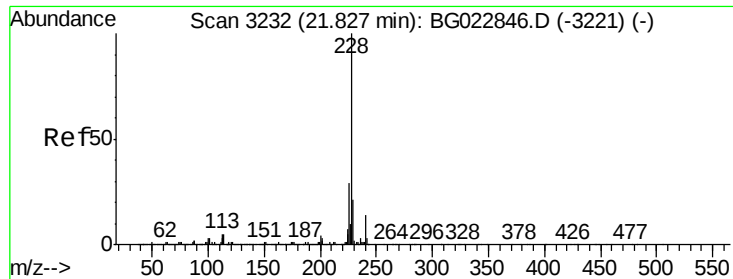


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 1.15 ng/ul

RT: 21.83 min Scan# 3233

Delta R.T. 0.01 min

Lab File: BG022857.D

Acq: 5 Jul 2016 19:26

Instrument :

BNA\_G

ClientSampleId :

A4TV8

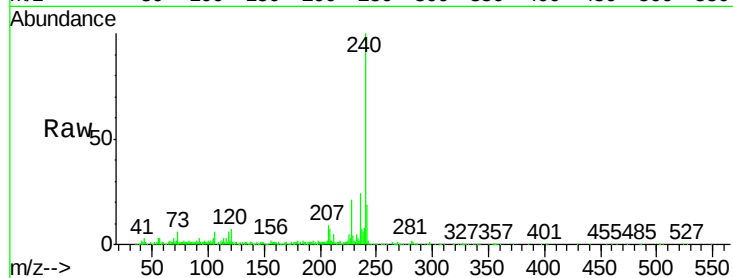
Tot Ion:228 Resp: 83973

Ion Ratio Lower Upper

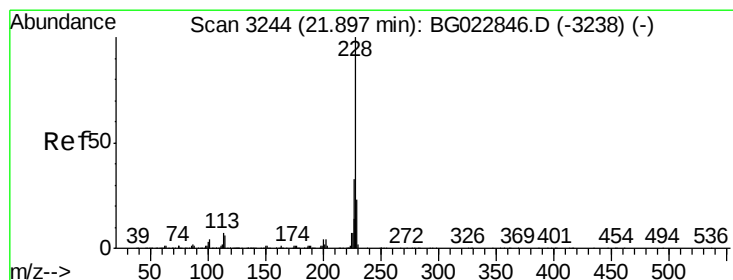
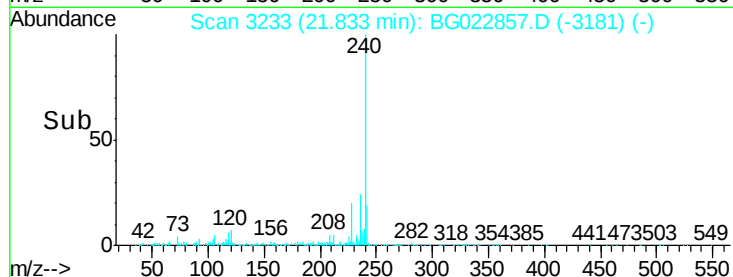
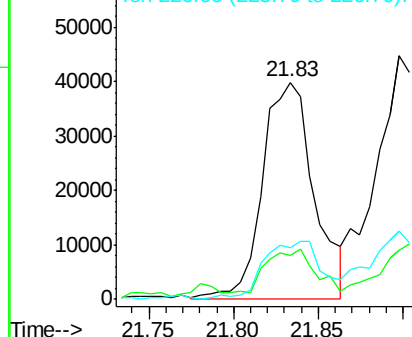
228 100

229 20.0 15.4 23.2

226 23.6 22.8 34.2



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 229.00 (228.70 to 229.70): E  
Ion 226.00 (225.70 to 226.70): E



#82

Chrysene

Concen: 1.28 ng/ul

RT: 21.90 min Scan# 3244

Delta R.T. 0.00 min

Lab File: BG022857.D

Acq: 5 Jul 2016 19:26

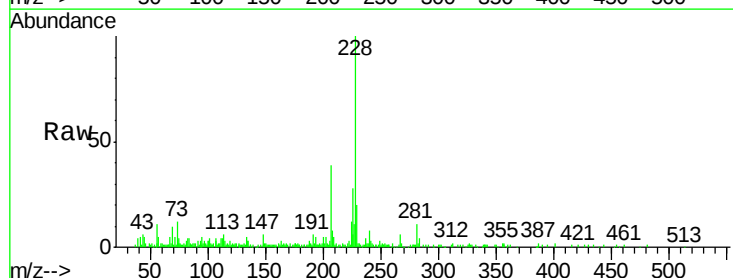
Tgt Ion:228 Resp: 85193

Ion Ratio Lower Upper

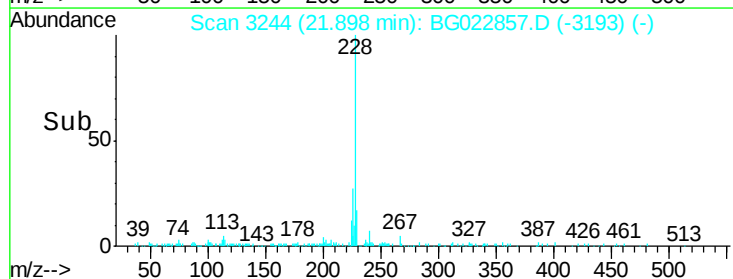
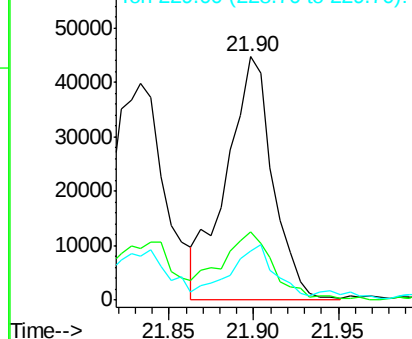
228 100

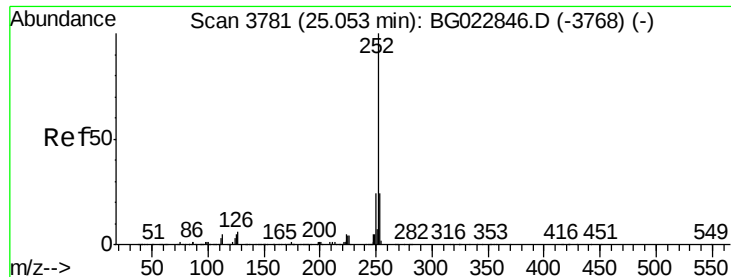
226 27.9 24.2 36.4

229 20.4 15.0 22.6



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E





#88

Benzo(a)pyrene

Concen: 1.06 ng/ul

RT: 25.06 min Scan# 3782

Delta R.T. 0.01 min

Lab File: BG022857.D

Acq: 5 Jul 2016 19:26

Instrument :

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ClientSampleId :

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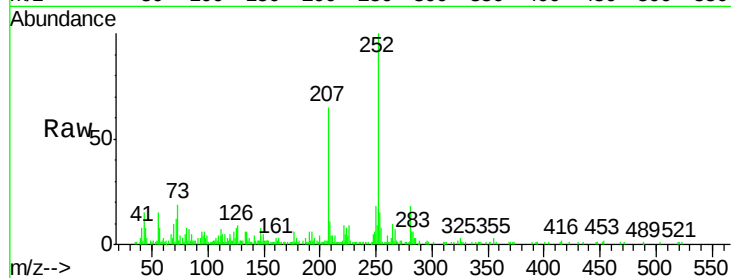
Tot Ion:252 Resp: 79679

Ion Ratio Lower Upper

252 100

253 14.9 19.0 28.4#

125 8.0 12.0 18.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

