

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG020916\  
 Data File : BG020823.D  
 Acq On : 9 Feb 2016 18:45  
 Operator : SJ/UM  
 Sample : H1371-21  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C04L6

Quant Time: Feb 10 00:40:17 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.2-EPA-BG020816.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Feb 10 00:34:52 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.27  | 152  | 25654    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.10 | 136  | 130724   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.89 | 164  | 71222    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.62 | 188  | 131603   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.91 | 240  | 114108   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 25.30 | 264  | 109081   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.61  | 96  | 1214   | 2.30  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.41  | 99  | 27675  | 10.65 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.58  | 67  | 18419  | 13.28 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.80  | 132 | 17080  | 8.40  | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.96  | 113 | 18947  | 8.39  | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.44  | 128 | 14982  | 14.28 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.17 | 143 | 4346   | 4.17  | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.71 | 165 | 12797  | 6.37  | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.23 | 131 | 35791  | 13.39 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.28 | 166 | 88416  | 14.43 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.58 | 160 | 115613 | 15.44 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 0.00  | 143 | 0      | 0.00  | ng/ul |      |
| 58) Fluorene-d10               | 15.87 | 176 | 76131  | 14.60 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 0.00  | 200 | 0      | 0.00  | ng/ul |      |
| 71) Anthracene-d10             | 17.72 | 188 | 103576 | 15.93 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.98 | 212 | 96811  | 16.50 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 25.06 | 264 | 96132  | 15.90 | ng/ul | 0.00 |

## Target Compounds

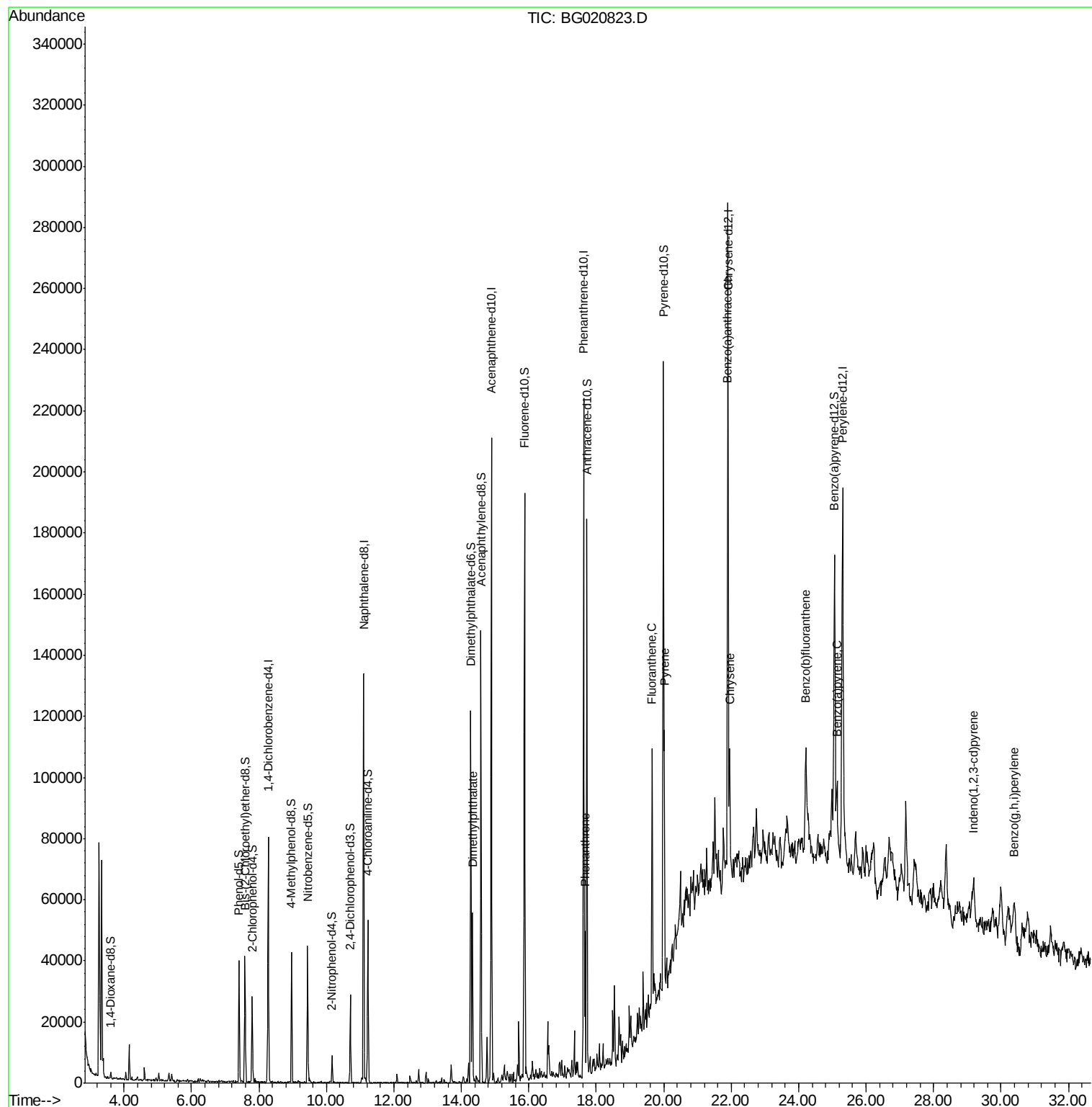
|                            |       |     |       |      |        | Qvalue |
|----------------------------|-------|-----|-------|------|--------|--------|
| 45) Dimethylphthalate      | 14.33 | 163 | 39245 | 6.15 | ng/ul  | 96     |
| 70) Phenanthrene           | 17.66 | 178 | 28557 | 3.44 | ng/ul  | 96     |
| 77) Fluoranthene           | 19.66 | 202 | 45876 | 5.35 | ng/ul  | 97     |
| 80) Pyrene                 | 20.01 | 202 | 45953 | 5.58 | ng/ul  | 99     |
| 83) Benzo(a)anthracene     | 21.89 | 228 | 18628 | 2.50 | ng/ul# | 92     |
| 85) Chrysene               | 21.95 | 228 | 29195 | 4.26 | ng/ul# | 95     |
| 88) Benzo(b)fluoranthene   | 24.22 | 252 | 34637 | 4.66 | ng/ul# | 87     |
| 91) Benzo(a)pyrene         | 25.13 | 252 | 20836 | 2.96 | ng/ul# | 88     |
| 92) Indeno(1,2,3-cd)pyrene | 29.18 | 276 | 18986 | 2.34 | ng/ul# | 85     |
| 94) Benzo(g,h,i)perylene   | 30.38 | 276 | 7860  | 1.19 | ng/ul  | 96     |

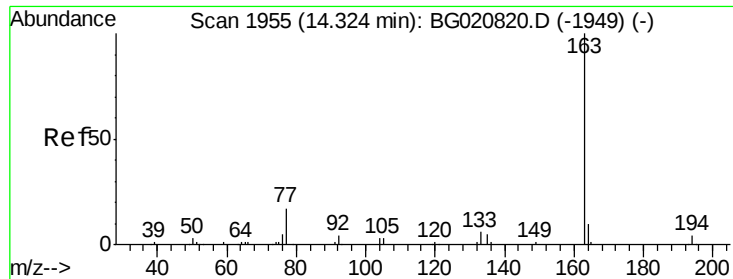
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#45

Dimethylphthalate

Concen: 6.15 ng/ul

RT: 14.33 min Scan# 1956

Delta R.T. 0.00 min

Lab File: BG020823.D

Acq: 9 Feb 2016 18:45

Instrument :

BNA\_G

ClientSampleId :

C04L6

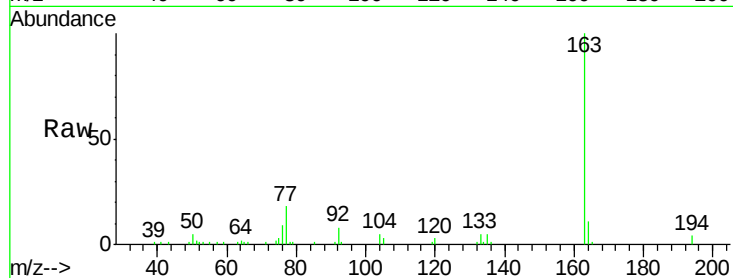
Tgt Ion:163 Resp: 39245

Ion Ratio Lower Upper

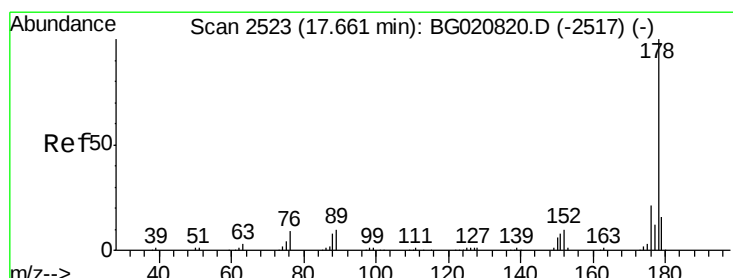
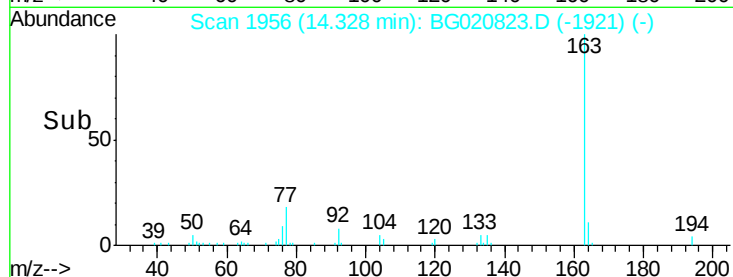
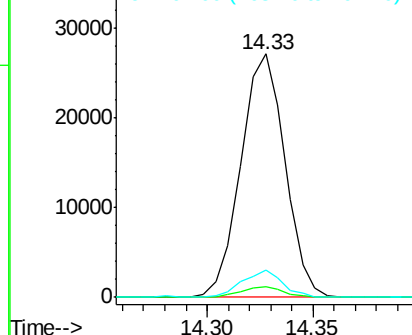
163 100

194 4.3 3.0 4.6

164 11.2 7.7 11.5



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



#70

Phenanthrene

Concen: 3.44 ng/ul

RT: 17.66 min Scan# 2524

Delta R.T. 0.00 min

Lab File: BG020823.D

Acq: 9 Feb 2016 18:45

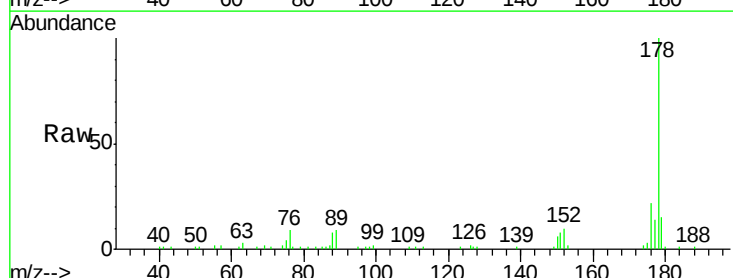
Tgt Ion:178 Resp: 28557

Ion Ratio Lower Upper

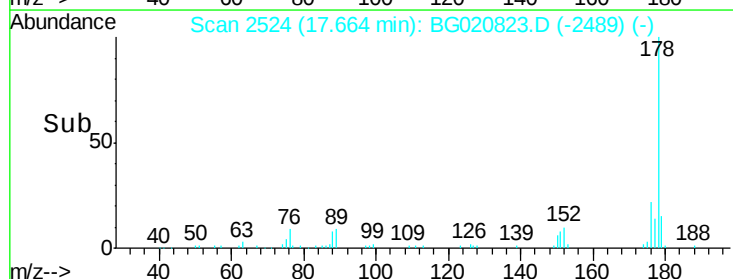
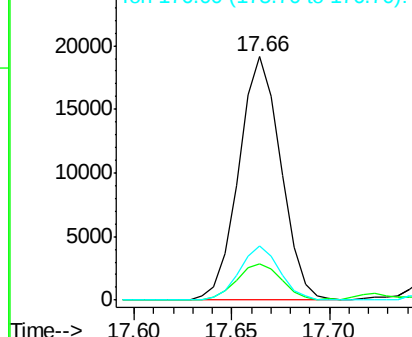
178 100

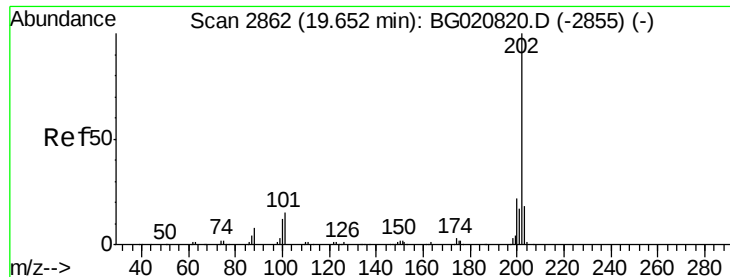
179 14.8 12.6 19.0

176 22.2 16.0 24.0



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





#77

Fluoranthene

Concen: 5.35 ng/ul

RT: 19.66 min Scan# 2863

Delta R.T. 0.00 min

Lab File: BG020823.D

Acq: 9 Feb 2016 18:45

Instrument :

BNA\_G

ClientSampleId :

C04L6

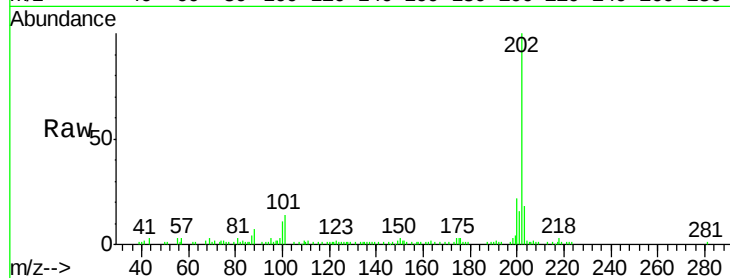
Tgt Ion:202 Resp: 45876

Ion Ratio Lower Upper

202 100

101 14.3 12.5 18.7

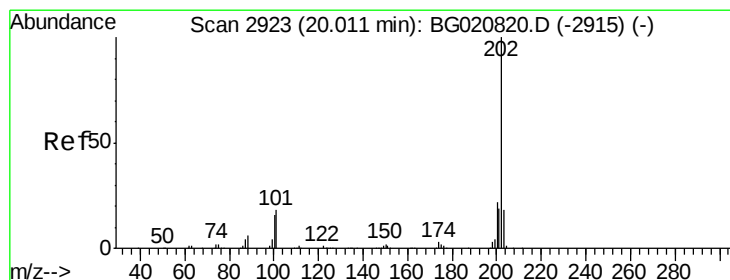
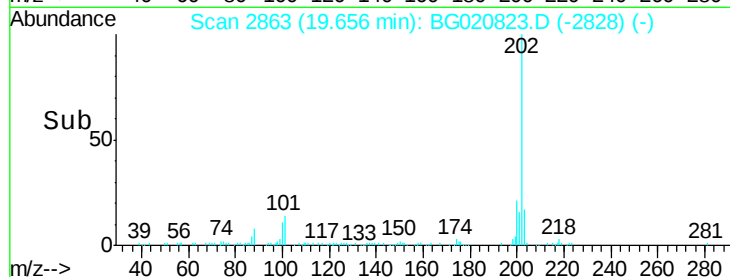
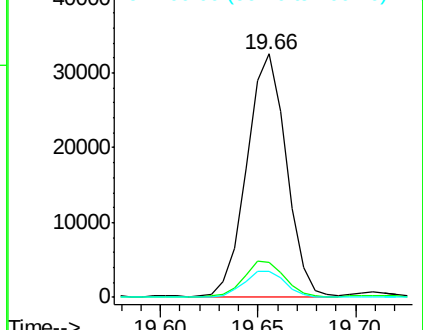
100 10.9 9.9 14.9



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

Pyrene

Concen: 5.58 ng/ul

RT: 20.01 min Scan# 2924

Delta R.T. 0.00 min

Lab File: BG020823.D

Acq: 9 Feb 2016 18:45

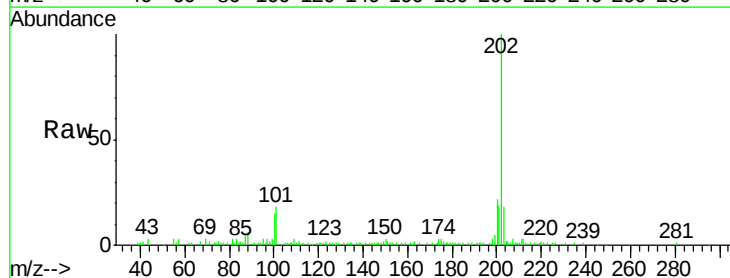
Tgt Ion:202 Resp: 45953

Ion Ratio Lower Upper

202 100

101 17.9 13.5 20.3

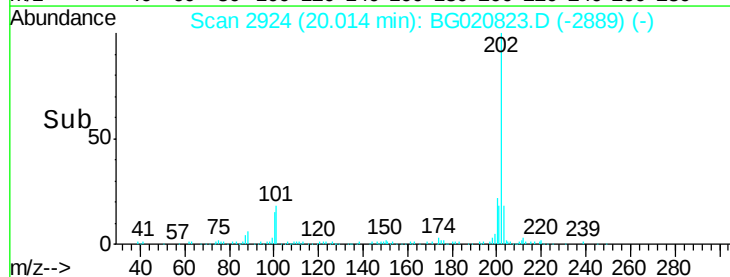
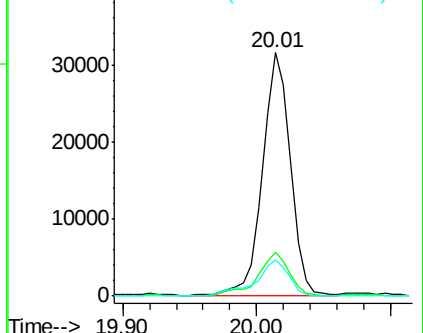
100 14.8 11.7 17.5

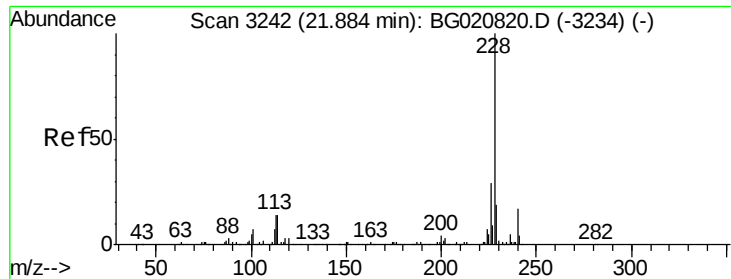


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 2.50 ng/ul

RT: 21.89 min Scan# 3243

Delta R.T. 0.00 min

Lab File: BG020823.D

Acq: 9 Feb 2016 18:45

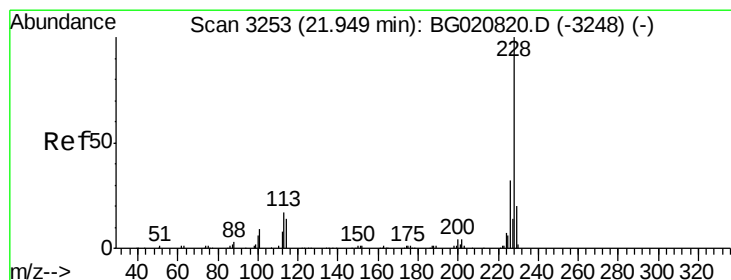
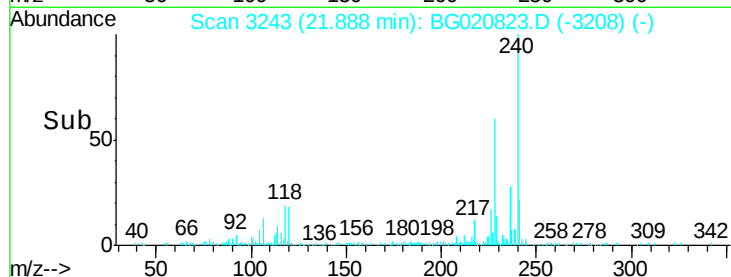
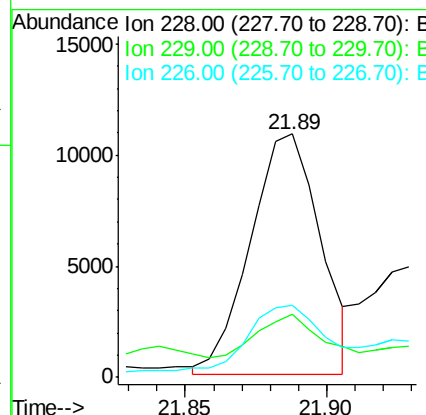
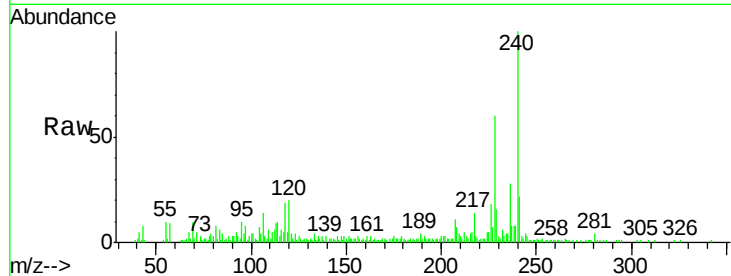
Instrument :

BNA\_G

ClientSampleId :

C04L6

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 228   | Resp: | 18628 |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 229      | 25.9  | 14.8  | 22.2# |
| 226      | 29.8  | 23.0  | 34.4  |



#85

Chrysene

Concen: 4.26 ng/ul

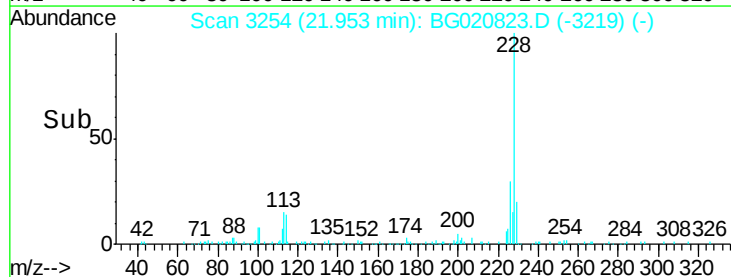
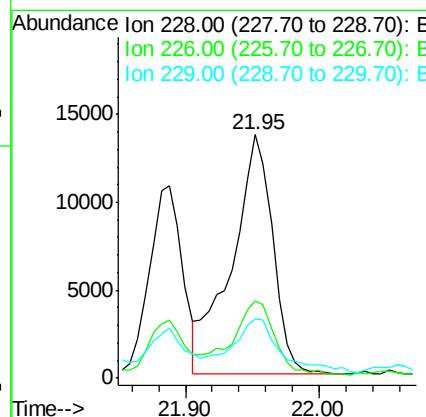
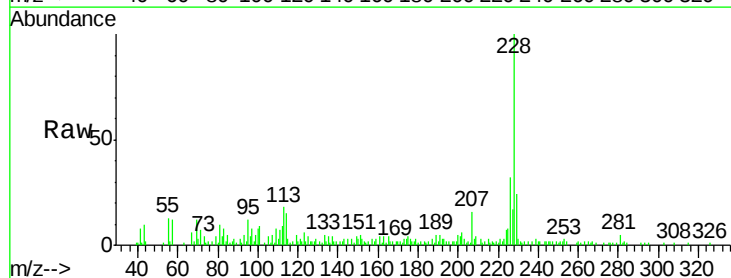
RT: 21.95 min Scan# 3254

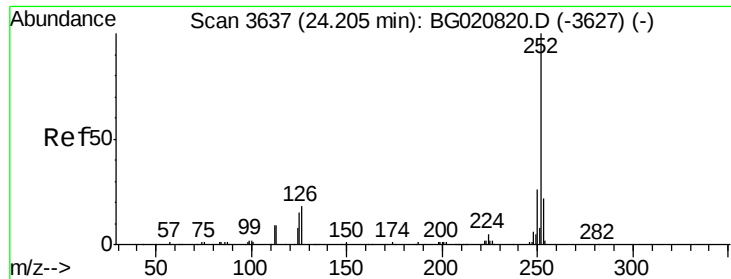
Delta R.T. 0.00 min

Lab File: BG020823.D

Acq: 9 Feb 2016 18:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 228   | Resp: | 29195 |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 226      | 31.5  | 24.4  | 36.6  |
| 229      | 24.1  | 15.8  | 23.6# |





#88

Benzo(b)fluoranthene

Concen: 4.66 ng/ul

RT: 24.22 min Scan# 3640

Delta R.T. 0.02 min

Lab File: BG020823.D

Acq: 9 Feb 2016 18:45

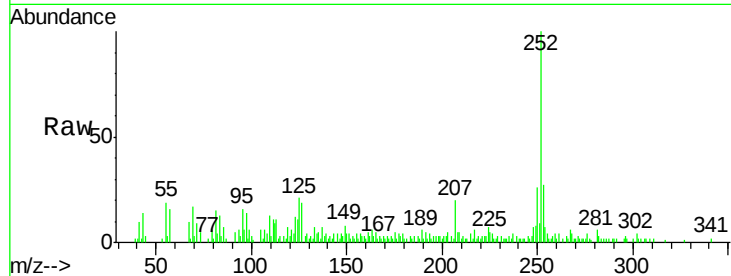
Instrument :

BNA\_G

ClientSampled :

C04L6

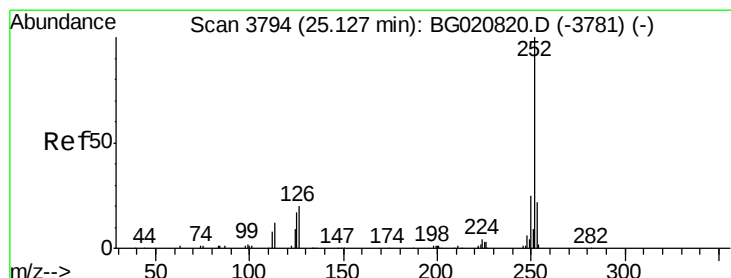
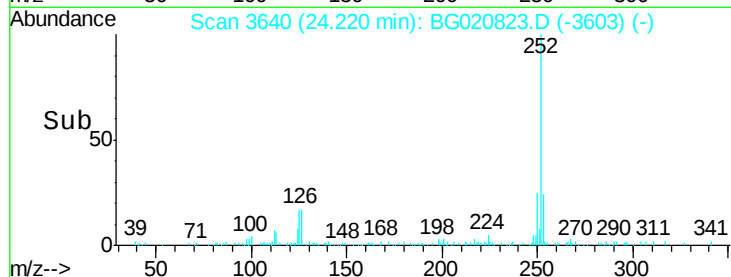
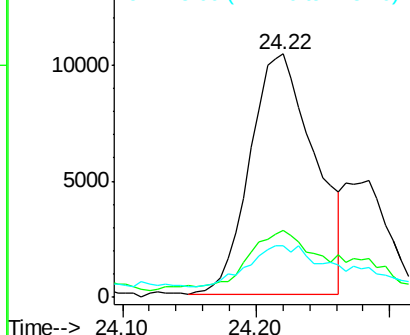
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 34637 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 27.3  | 17.1  | 25.7# |
| 125       | 21.3  | 12.5  | 18.7# |



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



#91

Benzo(a)pyrene

Concen: 2.96 ng/ul

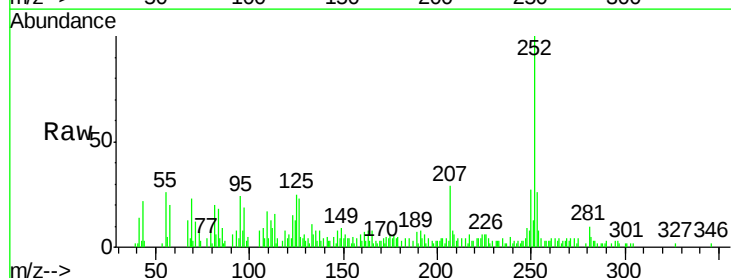
RT: 25.13 min Scan# 3795

Delta R.T. 0.00 min

Lab File: BG020823.D

Acq: 9 Feb 2016 18:45

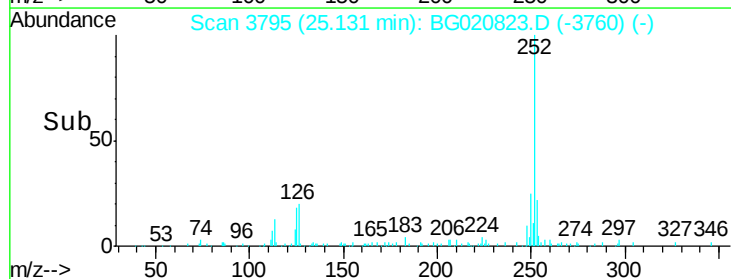
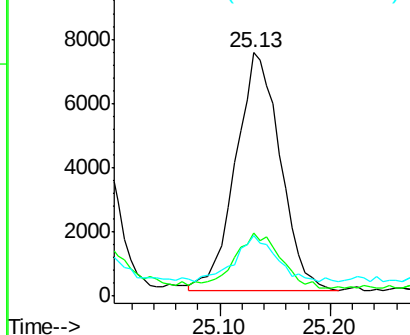
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 20836 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 26.1  | 17.3  | 25.9# |
| 125       | 24.7  | 14.2  | 21.2# |

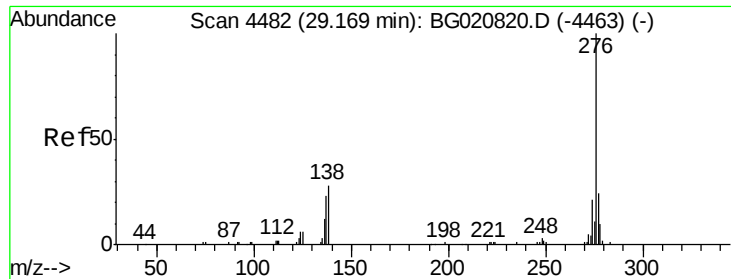


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Indeno(1,2,3-cd)pyrene

Concen: 2.34 ng/ul

RT: 29.18 min Scan# 4484

Delta R.T. 0.01 min

Lab File: BG020823.D

Acq: 9 Feb 2016 18:45

Instrument :

BNA\_G

ClientSampleId :

C04L6

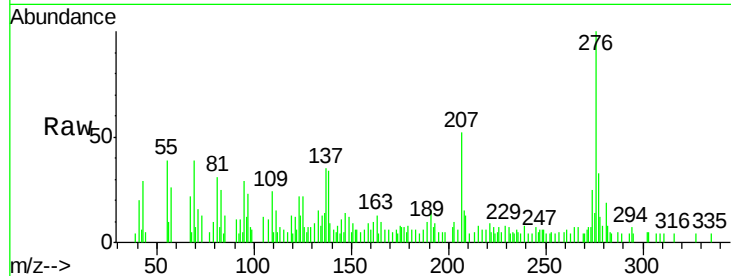
Tgt Ion:276 Resp: 18986

Ion Ratio Lower Upper

276 100

138 33.6 22.4 33.6

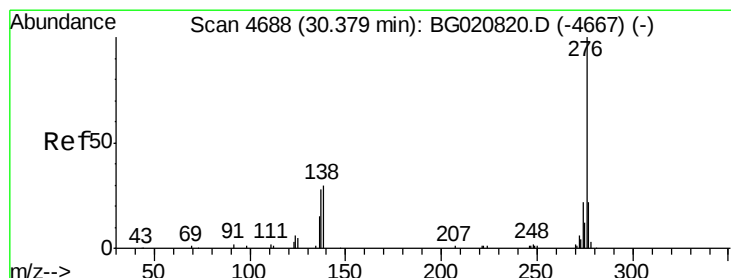
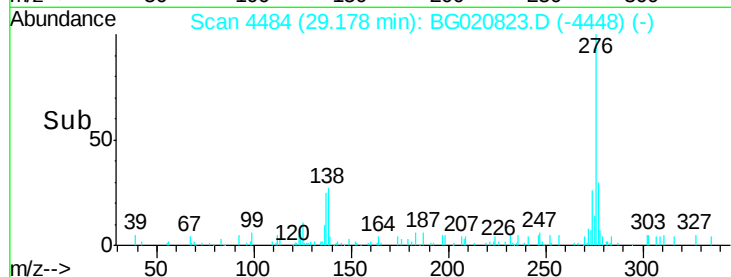
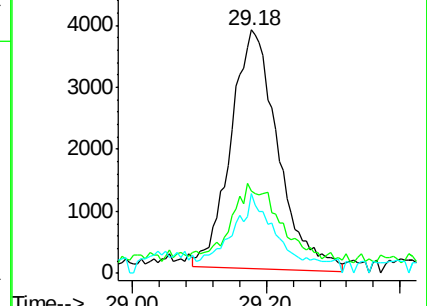
277 32.7 18.5 27.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#94

Benzo(g,h,i)perylene

Concen: 1.19 ng/ul

RT: 30.38 min Scan# 4689

Delta R.T. 0.00 min

Lab File: BG020823.D

Acq: 9 Feb 2016 18:45

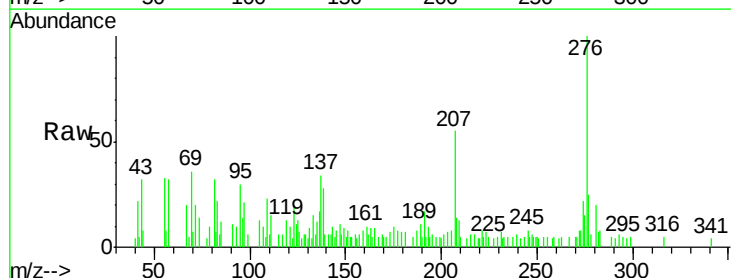
Tgt Ion:276 Resp: 7860

Ion Ratio Lower Upper

276 100

138 27.6 24.4 36.6

277 24.6 18.7 28.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

