

Data Path : Z:\HPCHEM1\BNA G\DATA\BG052417\  
 Data File : BG027108.D  
 Acq On : 23 May 2017 23:50  
 Operator : SJ/MA  
 Sample : I3279-07  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: May 24 01:28:27 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG051817MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 24 01:27:20 2017  
 Response via : Initial Calibration

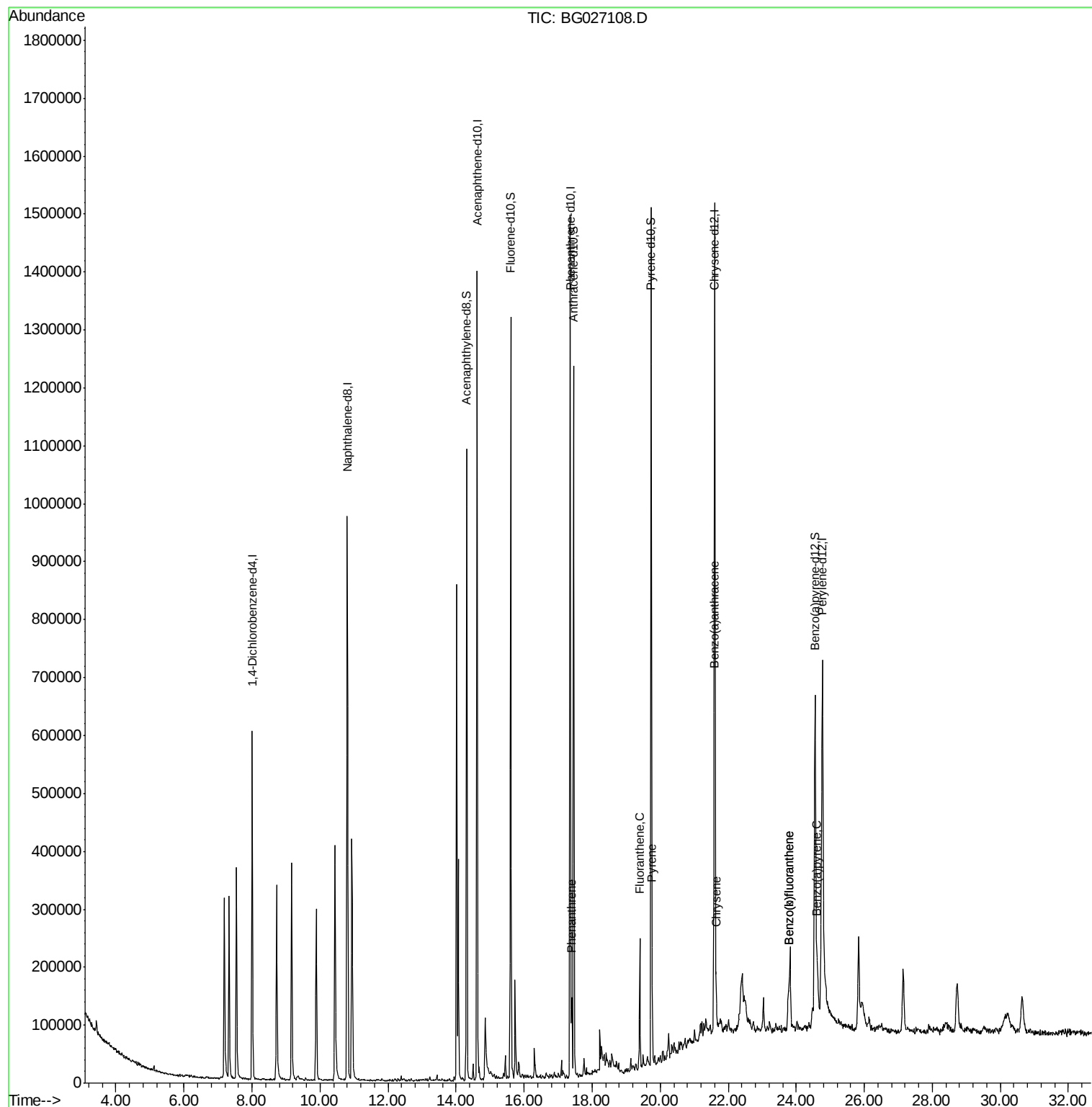
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|--------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.01  | 152  | 186007   | 20.00 | ng/ul  | 0.00      |
| 2) Naphthalene-d8           | 10.80 | 136  | 900164   | 20.00 | ng/ul  | 0.00      |
| 6) Acenaphthene-d10         | 14.62 | 164  | 464387   | 20.00 | ng/ul  | 0.00      |
| 12) Phenanthrene-d10        | 17.35 | 188  | 868604   | 20.00 | ng/ul  | 0.00      |
| 17) Chrysene-d12            | 21.60 | 240  | 794374   | 20.00 | ng/ul  | 0.00      |
| 22) Perylene-d12            | 24.77 | 264  | 696848   | 20.00 | ng/ul  | 0.00      |
| System Monitoring Compounds |       |      |          |       |        |           |
| 7) Acenaphthylene-d8        | 14.31 | 160  | 820736   | 17.23 | ng/ul  | 0.00      |
| 10) Fluorene-d10            | 15.60 | 176  | 524044   | 16.49 | ng/ul  | 0.00      |
| 14) Anthracene-d10          | 17.45 | 188  | 697682   | 16.47 | ng/ul  | 0.00      |
| 18) Pyrene-d10              | 19.73 | 212  | 721334   | 17.39 | ng/ul  | 0.00      |
| 25) Benzo(a)pyrene-d12      | 24.55 | 264  | 608693   | 17.58 | ng/ul  | 0.00      |
| Target Compounds            |       |      |          |       |        |           |
| 13) Phenanthrene            | 17.39 | 178  | 79849    | 1.64  | ng/ul  | Ovalue 99 |
| 16) Fluoranthene            | 19.40 | 202  | 131700   | 2.65  | ng/ul# | 96        |
| 19) Pyrene                  | 19.76 | 202  | 106563   | 2.05  | ng/ul# | 89        |
| 20) Benzo(a)anthracene      | 21.58 | 228  | 64106    | 1.34  | ng/ul  | 98        |
| 21) Chrysene                | 21.65 | 228  | 54182    | 1.23  | ng/ul  | 95        |
| 23) Benzo(b)fluoranthene    | 23.77 | 252  | 75427    | 1.82  | ng/ul# | 93        |
| 24) Benzo(k)fluoranthene    | 23.77 | 252  | 75427    | 1.77  | ng/ul# | 93        |
| 26) Benzo(a)pyrene          | 24.62 | 252  | 47726    | 1.18  | ng/ul# | 88        |

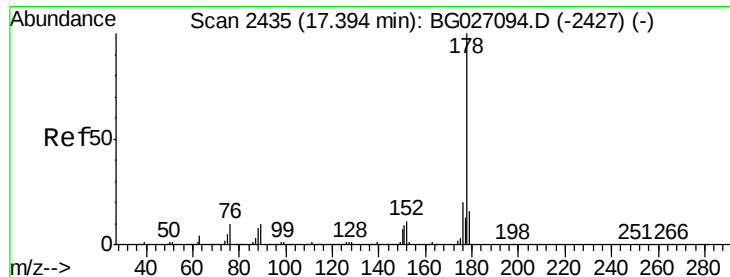
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Phenanthrene

Concen: 1.64 ng/ul

RT: 17.39 min Scan# 2435

Delta R.T. 0.00 min

Lab File: BG027108.D

Acq: 23 May 2017 23:50

Instrument :

BNA\_G

ClientSampleId :

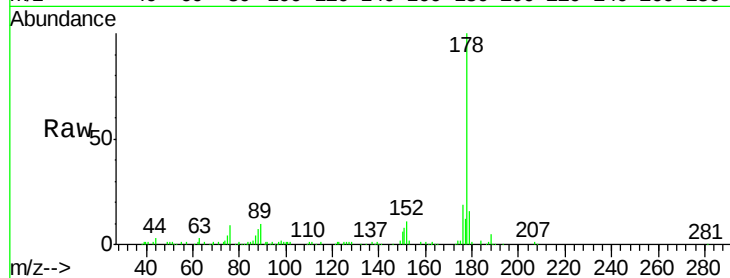
Tot Ion:178 Resp: 79849

Ion Ratio Lower Upper

178 100

179 16.1 12.3 18.5

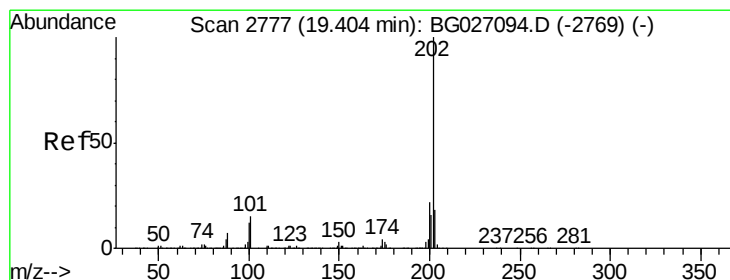
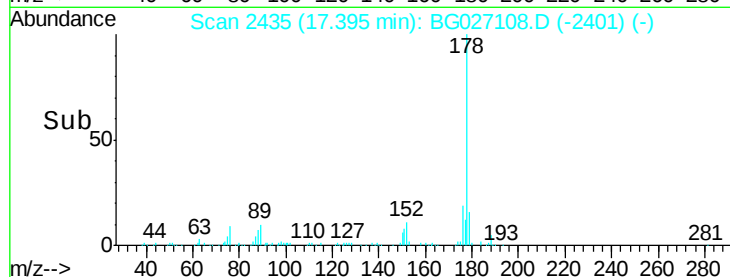
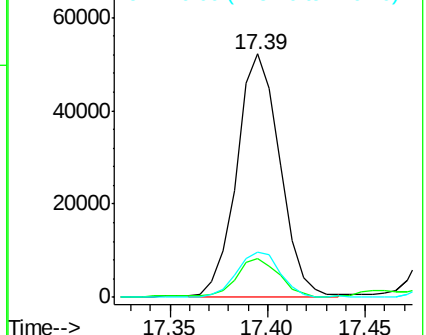
176 18.6 15.1 22.7



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



#16

Fluoranthene

Concen: 2.65 ng/ul

RT: 19.40 min Scan# 2777

Delta R.T. 0.00 min

Lab File: BG027108.D

Acq: 23 May 2017 23:50

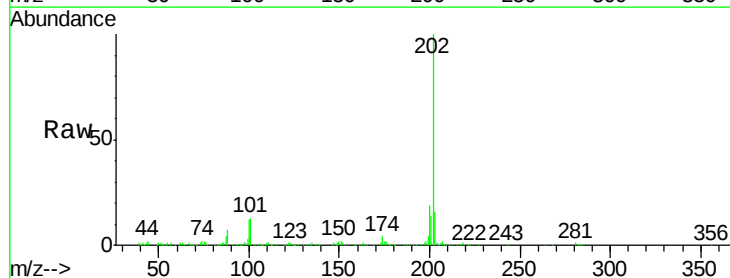
Tgt Ion:202 Resp: 131700

Ion Ratio Lower Upper

202 100

101 13.4 9.9 14.9

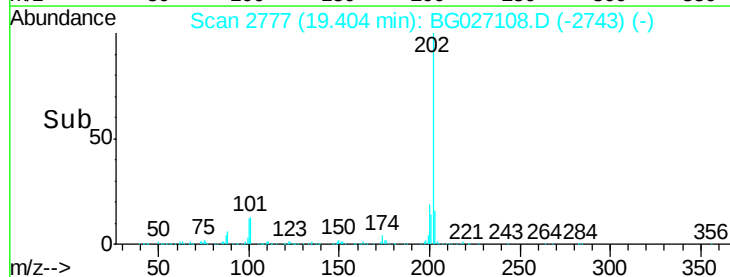
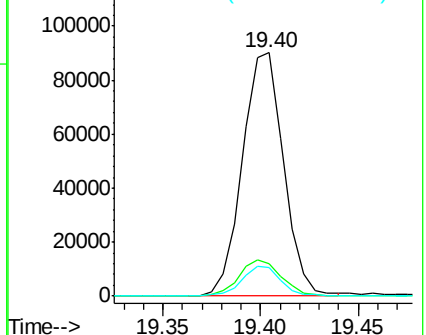
100 11.8 7.4 11.0#

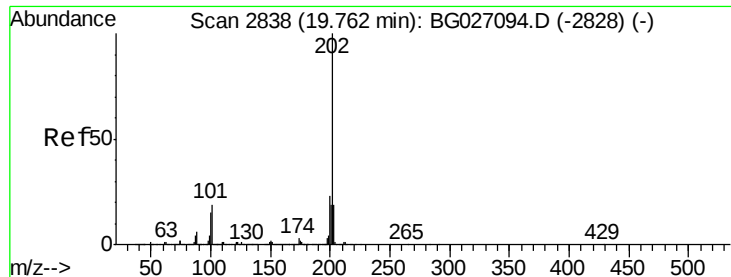


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pvrene

Concen: 2.05 ng/ul

RT: 19.76 min Scan# 2838

Delta R.T. 0.00 min

Lab File: BG027108.D

Acq: 23 May 2017 23:50

Instrument :

BNA\_G

ClientSampleId :

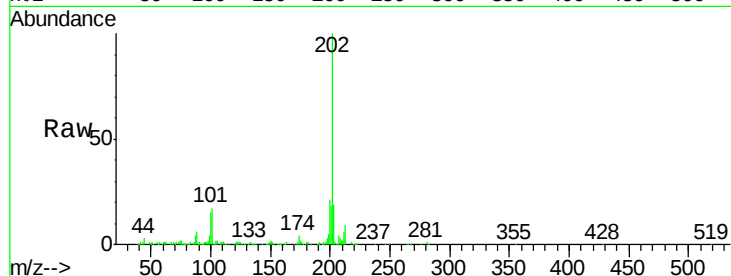
Tot Ion:202 Resp: 106563

Ion Ratio Lower Upper

202 100

101 16.9 11.0 16.4#

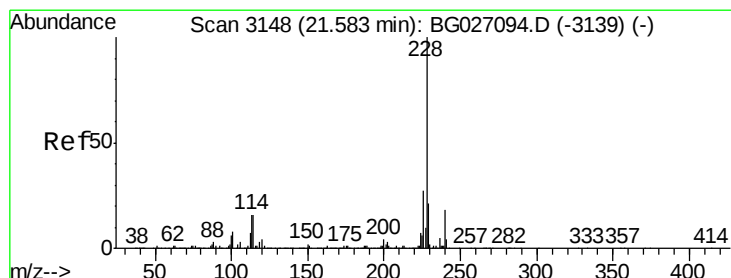
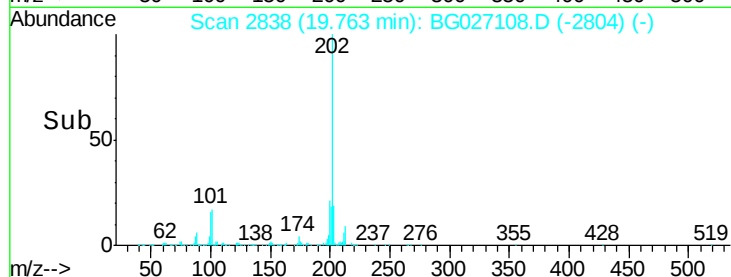
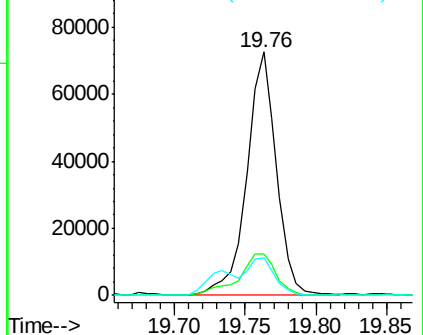
100 15.5 8.1 12.1#



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): E



#20

Benzo(a)anthracene

Concen: 1.34 ng/ul

RT: 21.58 min Scan# 3147

Delta R.T. -0.01 min

Lab File: BG027108.D

Acq: 23 May 2017 23:50

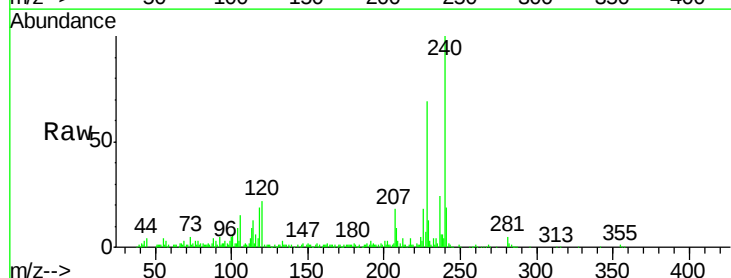
Tgt Ion:228 Resp: 64106

Ion Ratio Lower Upper

228 100

229 19.0 15.7 23.5

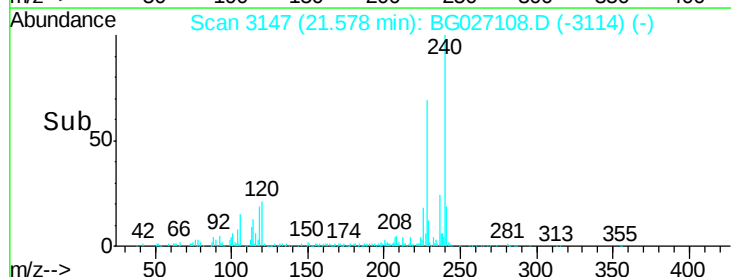
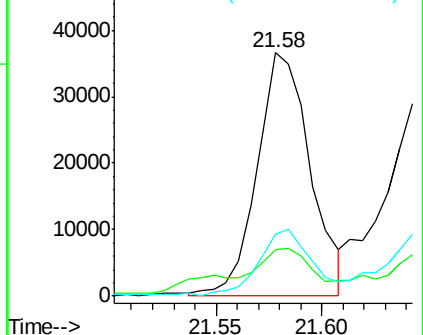
226 25.6 21.1 31.7

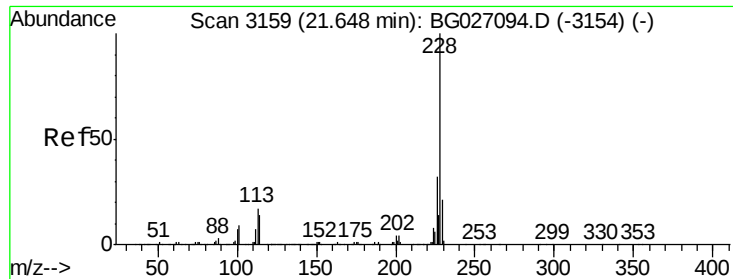


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 1.23 ng/ul

RT: 21.65 min Scan# 3159

Delta R.T. 0.00 min

Lab File: BG027108.D

Acq: 23 May 2017 23:50

Instrument :

BNA\_G

ClientSampled :

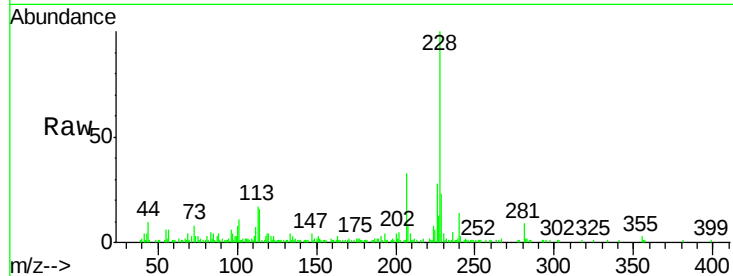
Tot Ion:228 Resp: 54182

Ion Ratio Lower Upper

228 100

226 28.4 24.5 36.7

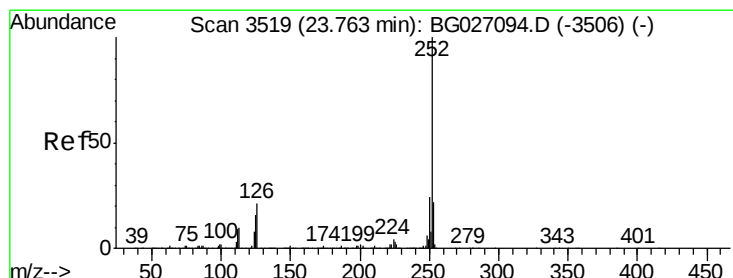
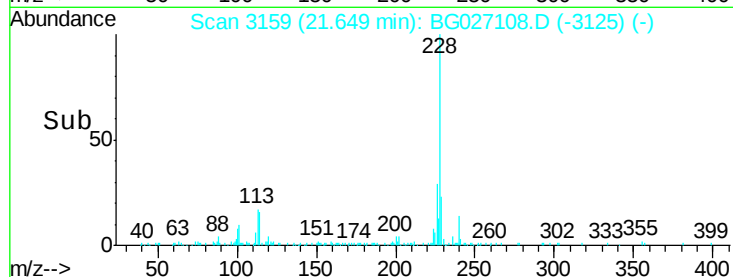
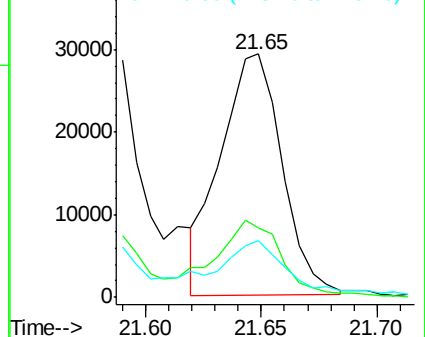
229 23.1 15.8 23.8



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



#23

Benzo(b)fluoranthene

Concen: 1.82 ng/ul

RT: 23.77 min Scan# 3520

Delta R.T. 0.01 min

Lab File: BG027108.D

Acq: 23 May 2017 23:50

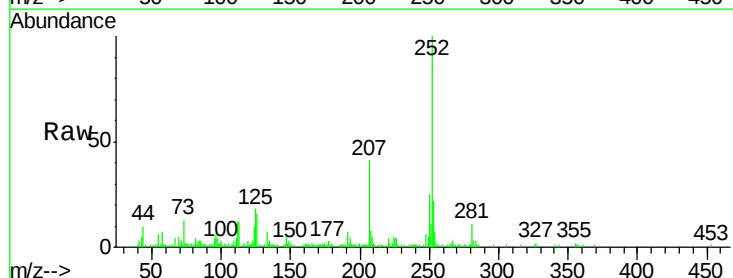
Tgt Ion:252 Resp: 75427

Ion Ratio Lower Upper

252 100

253 21.9 18.0 27.0

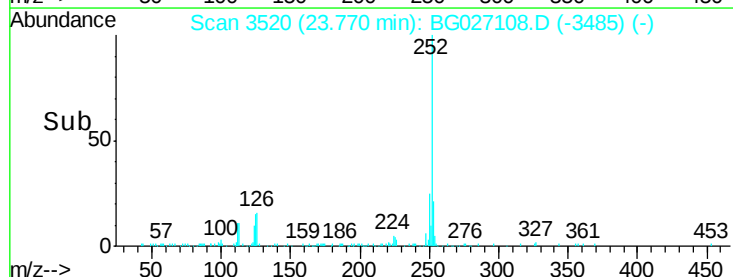
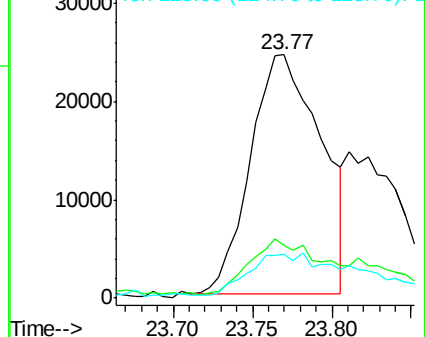
125 17.9 8.0 12.0#

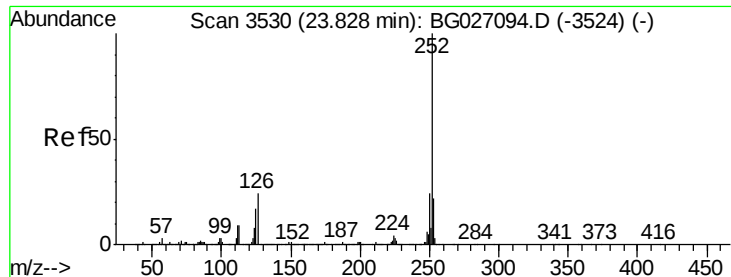


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 1.77 ng/ul

RT: 23.77 min Scan# 3520

Delta R.T. -0.06 min

Lab File: BG027108.D

Acq: 23 May 2017 23:50

Instrument :

BNA\_G

ClientSampleId :

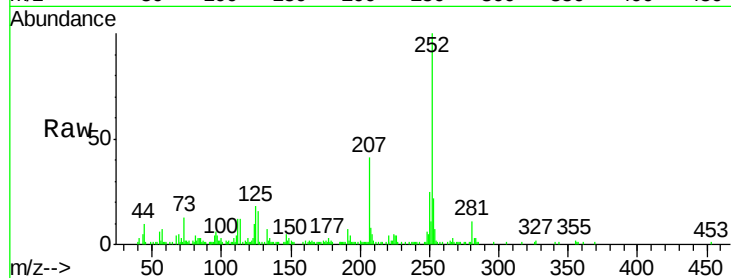
Tot Ion:252 Resp: 75427

Ion Ratio Lower Upper

252 100

253 21.9 18.0 27.0

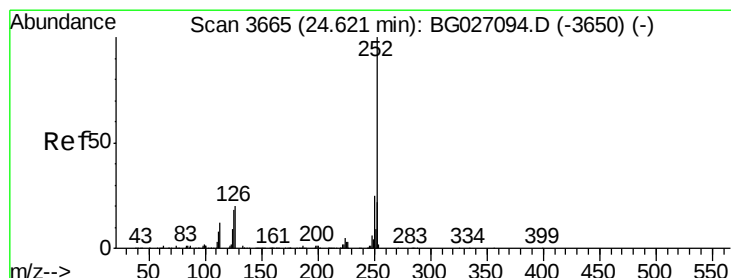
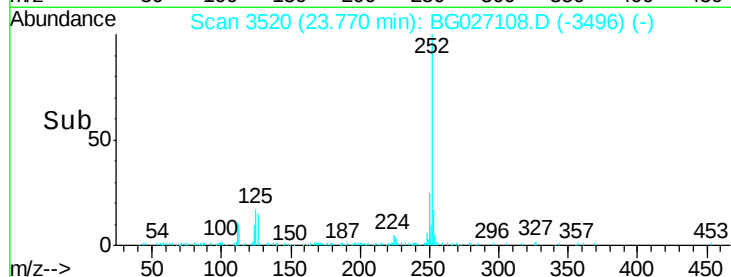
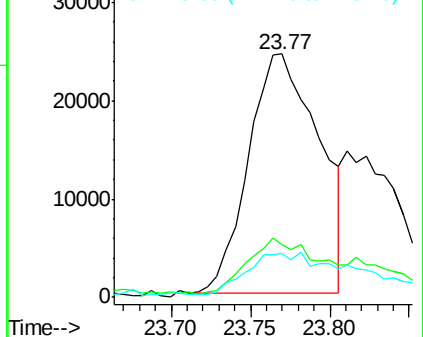
125 17.9 8.1 12.1#



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



#26

Benzo(a)pyrene

Concen: 1.18 ng/ul

RT: 24.62 min Scan# 3665

Delta R.T. 0.00 min

Lab File: BG027108.D

Acq: 23 May 2017 23:50

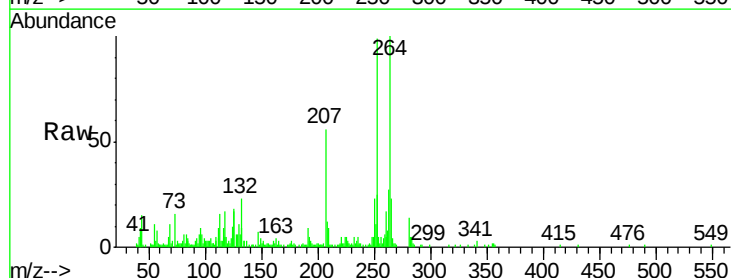
Tgt Ion:252 Resp: 47726

Ion Ratio Lower Upper

252 100

253 25.7 17.2 25.8

125 17.4 8.2 12.4#



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

