

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\  
 Data File : BG046260.D  
 Acq On : 13 Aug 2020 22:23  
 Operator : CG/JU  
 Sample : L3629-18  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BFM65

Quant Time: Aug 14 05:22:41 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG081320PAH.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 13 13:50:19 2020  
 Response via : Initial Calibration

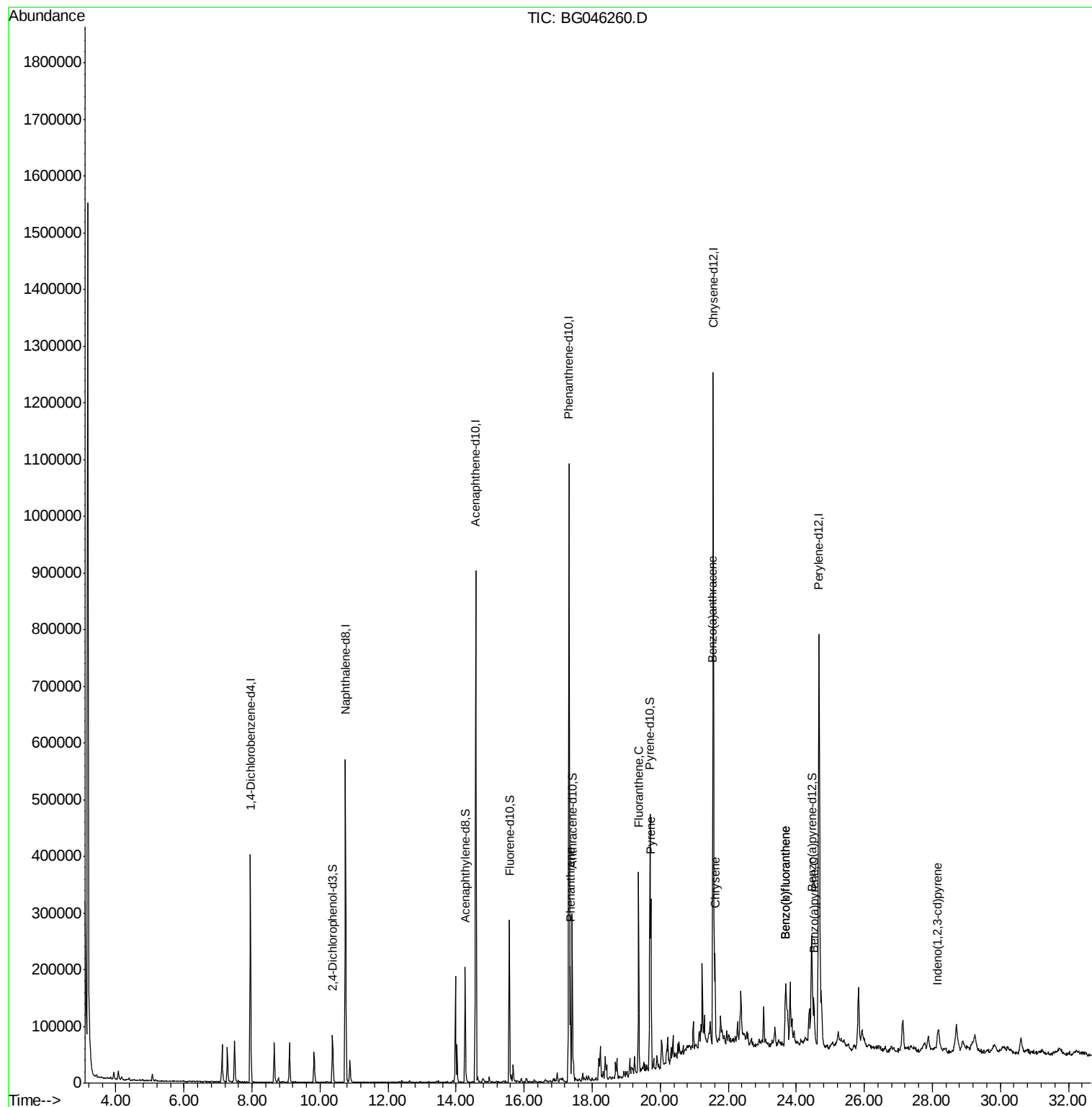
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.95  | 152  | 127899   | 20.00  | ng/ul | 0.00     |
| 2) Naphthalene-d8           | 10.75 | 136  | 509961   | 20.00  | ng/ul | 0.00     |
| 6) Acenaphthene-d10         | 14.57 | 164  | 325554   | 20.00  | ng/ul | 0.00     |
| 12) Phenanthrene-d10        | 17.32 | 188  | 720528   | 20.00  | ng/ul | 0.00     |
| 18) Chrysene-d12            | 21.57 | 240  | 718367   | 20.00  | ng/ul | 0.00     |
| 23) Perylene-d12            | 24.67 | 264  | 759314   | 20.00  | ng/ul | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 3) 2,4-Dichlorophenol-d3    | 10.37 | 165  | 37309    | 4.25   | ng/ul | 0.00     |
| 7) Acenaphthylene-d8        | 14.27 | 160  | 158432   | 5.29   | ng/ul | 0.00     |
| 10) Fluorene-d10            | 15.57 | 176  | 123692   | 5.39   | ng/ul | 0.00     |
| 15) Anthracene-d10          | 17.41 | 188  | 182419   | 5.46   | ng/ul | 0.00     |
| 19) Pyrene-d10              | 19.70 | 212  | 210162   | 5.68   | ng/ul | 0.00     |
| 26) Benzo(a)pyrene-d12      | 24.46 | 264  | 214111   | 5.17   | ng/ul | 0.00     |
| Target Compounds            |       |      |          | Qvalue |       |          |
| 14) Phenanthrene            | 17.36 | 178  | 127214   | 3.209  | ng/ul | 98       |
| 17) Fluoranthene            | 19.37 | 202  | 222362   | 5.031  | ng/ul | 98       |
| 20) Pyrene                  | 19.73 | 202  | 190092   | 4.031  | ng/ul | 99       |
| 21) Benzo(a)anthracene      | 21.54 | 228  | 101408   | 2.170  | ng/ul | 98       |
| 22) Chrysene                | 21.61 | 228  | 107838   | 2.387  | ng/ul | 98       |
| 24) Benzo(b)fluoranthene    | 23.69 | 252  | 145519   | 2.898  | ng/ul | 99       |
| 25) Benzo(k)fluoranthene    | 23.69 | 252  | 145519   | 2.922  | ng/ul | 99       |
| 27) Benzo(a)pyrene          | 24.52 | 252  | 88142    | 1.912  | ng/ul | 98       |
| 28) Indeno(1,2,3-cd)pyrene  | 28.16 | 276  | 65017    | 1.126  | ng/ul | 100      |

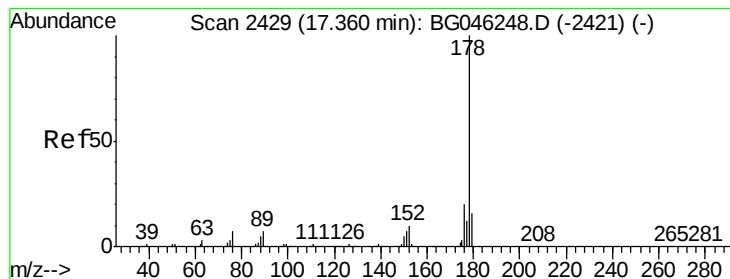
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 13 13:50:19 2020  
Response via : Initial Calibration





#14

Phenanthrene

Concen: 3.209 ng/ul

RT: 17.36 min Scan# 2429

Delta R.T. 0.00 min

Lab File: BG046260.D

Acq: 13 Aug 2020 22:23

Instrument :

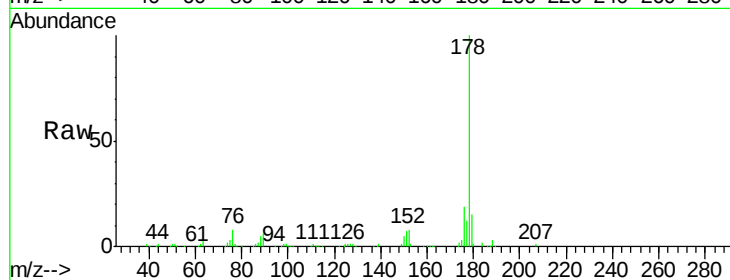
BNA\_G

ClientSampleId :

BFM65

Tot Ion:178 Resp: 127214

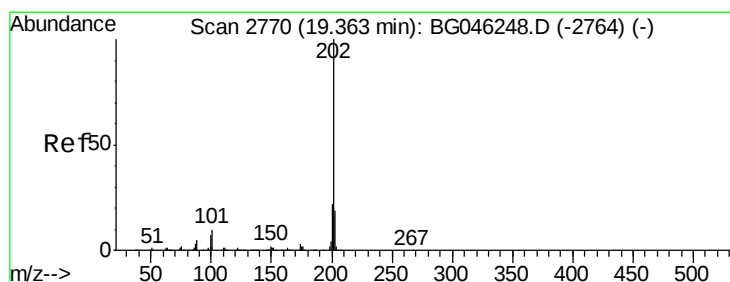
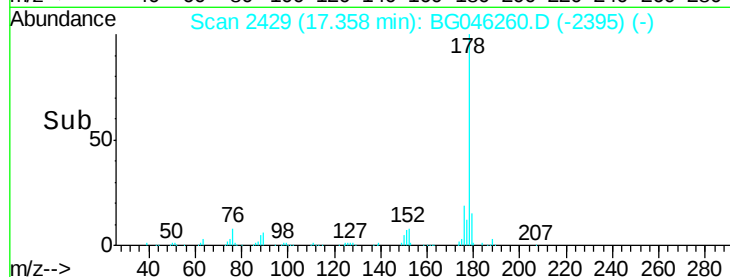
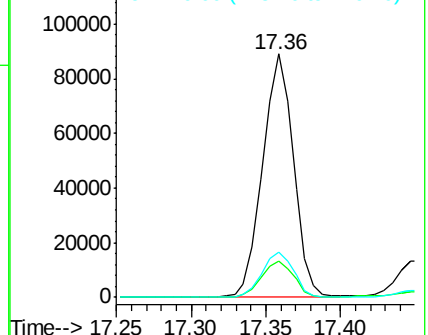
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 15.2  | 12.8  | 19.2  |
| 176 | 18.6  | 15.8  | 23.8  |



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



#17

Fluoranthene

Concen: 5.031 ng/ul

RT: 19.37 min Scan# 2771

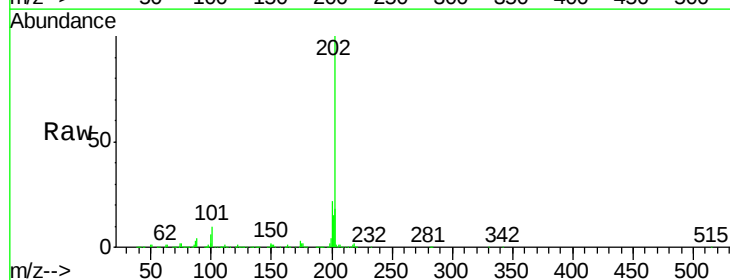
Delta R.T. 0.00 min

Lab File: BG046260.D

Acq: 13 Aug 2020 22:23

Tgt Ion:202 Resp: 222362

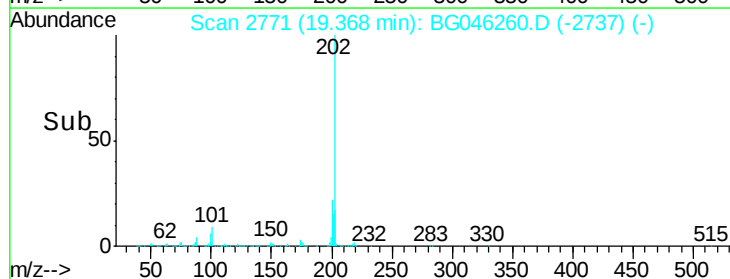
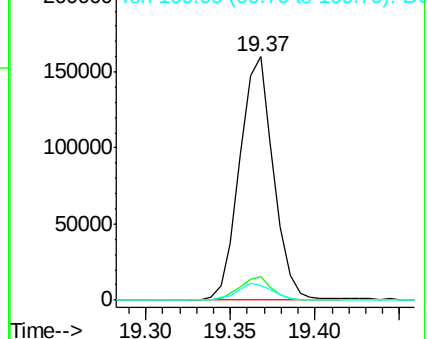
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 9.5   | 7.8   | 11.6  |
| 100 | 6.2   | 5.9   | 8.9   |

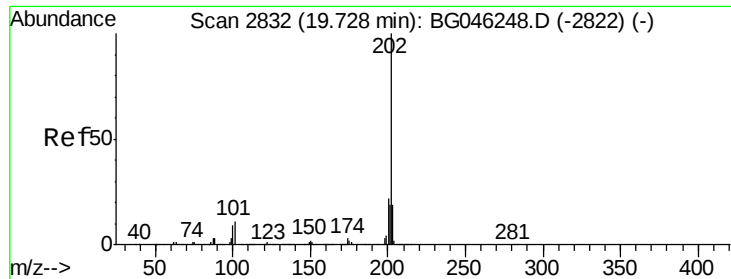


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

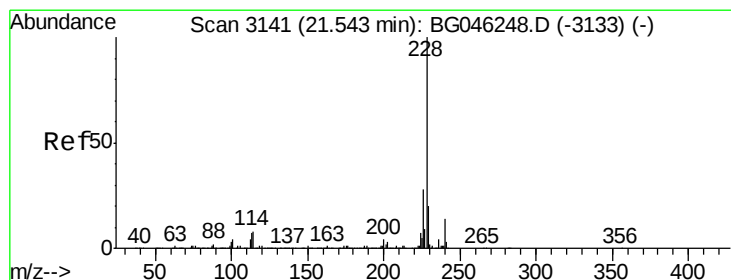
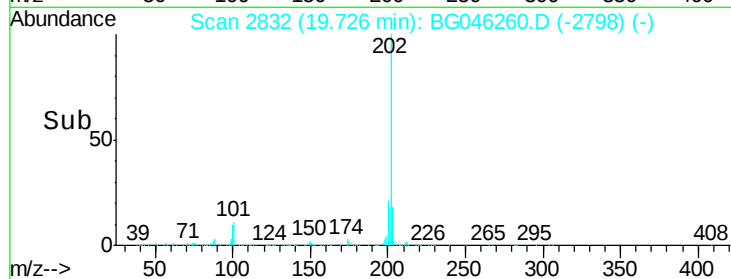
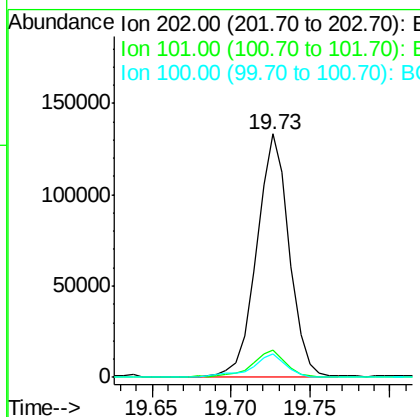
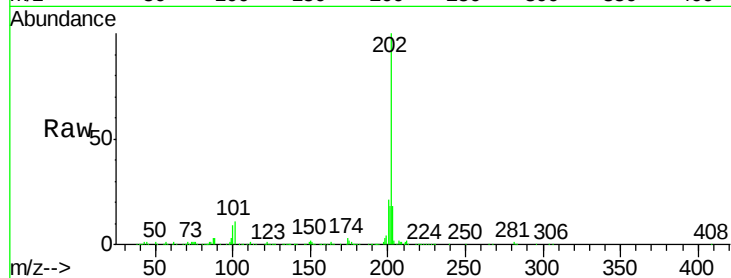




#20  
Pvrene  
Concen: 4.031 ng/ul  
RT: 19.73 min Scan# 2832  
Delta R.T. 0.00 min  
Lab File: BG046260.D  
Acq: 13 Aug 2020 22:23

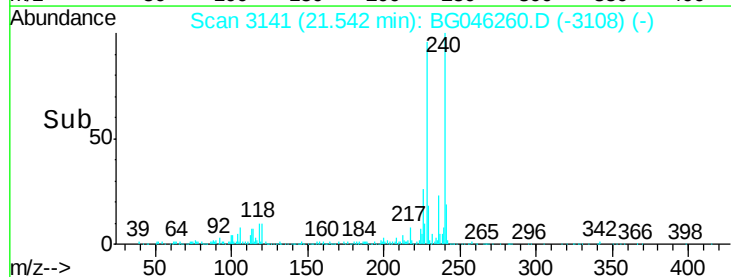
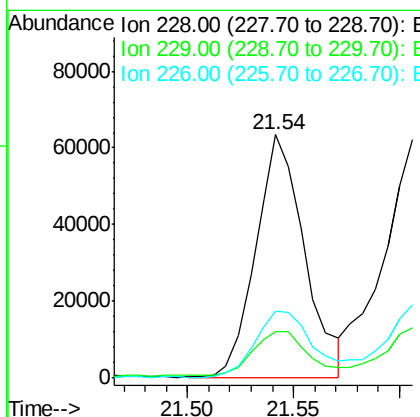
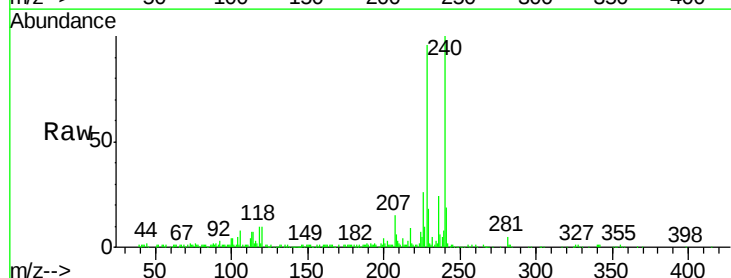
Instrument :  
BNA\_G  
ClientSampleId :  
BFM65

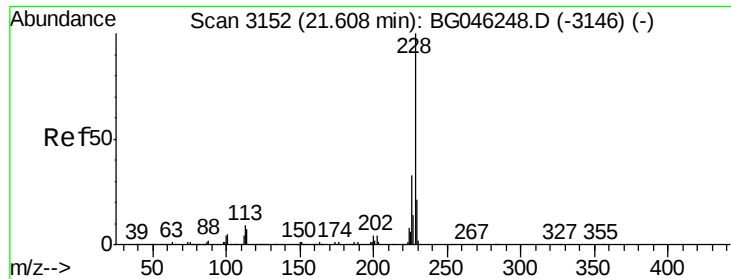
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.1  | 8.9   | 13.3  |
| 100     | 9.4   | 7.9   | 11.9  |



#21  
Benzo(a)anthracene  
Concen: 2.170 ng/ul  
RT: 21.54 min Scan# 3141  
Delta R.T. -0.00 min  
Lab File: BG046260.D  
Acq: 13 Aug 2020 22:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 19.2  | 16.6  | 25.0  |
| 226     | 27.3  | 22.6  | 33.8  |





#22

Chrysene

Concen: 2.387 ng/ul

RT: 21.61 min Scan# 3152

Delta R.T. 0.00 min

Lab File: BG046260.D

Acq: 13 Aug 2020 22:23

Instrument :

BNA\_G

ClientSampleId :

BFM65

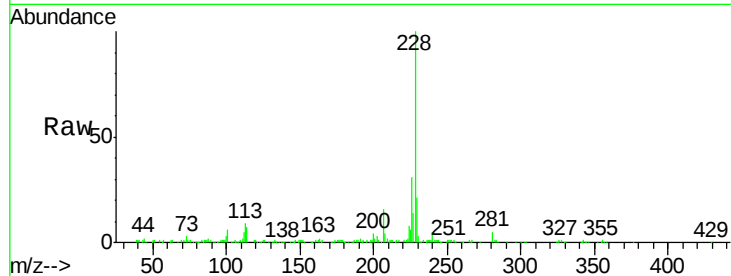
Tot Ion:228 Resp: 107838

Ion Ratio Lower Upper

228 100

226 30.6 25.5 38.3

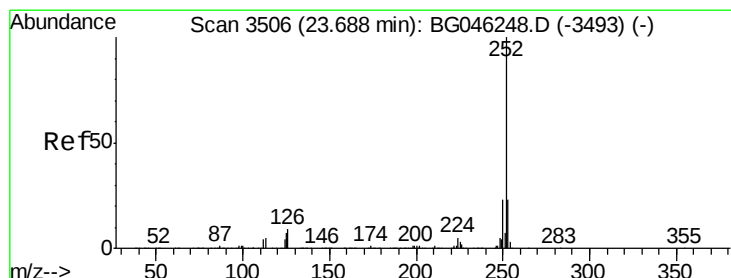
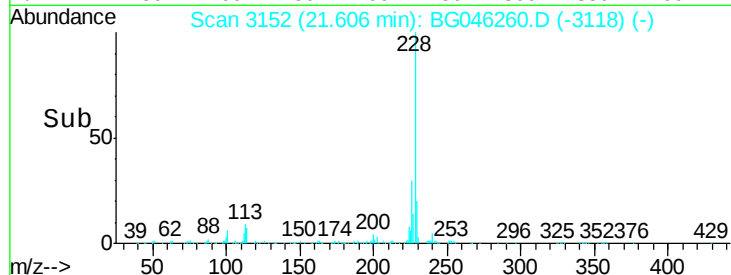
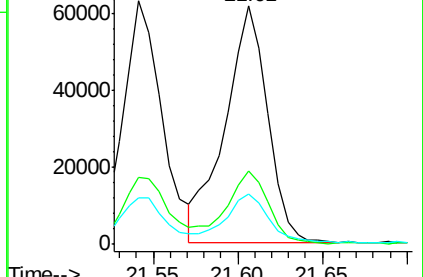
229 21.0 17.0 25.4



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



#24

Benzo(b)fluoranthene

Concen: 2.898 ng/ul

RT: 23.69 min Scan# 3506

Delta R.T. 0.00 min

Lab File: BG046260.D

Acq: 13 Aug 2020 22:23

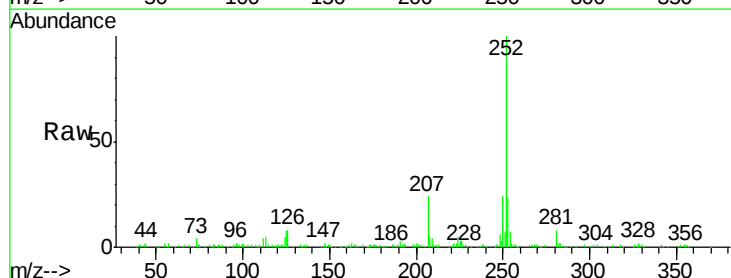
Tgt Ion:252 Resp: 145519

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

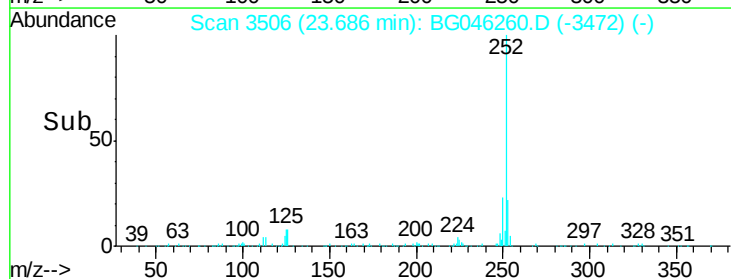
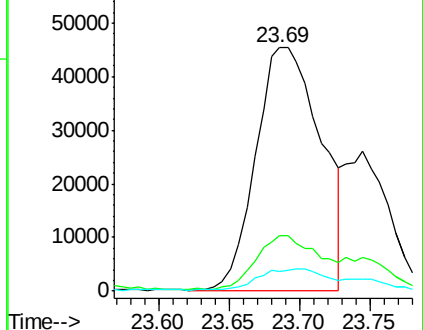
125 8.3 6.4 9.6

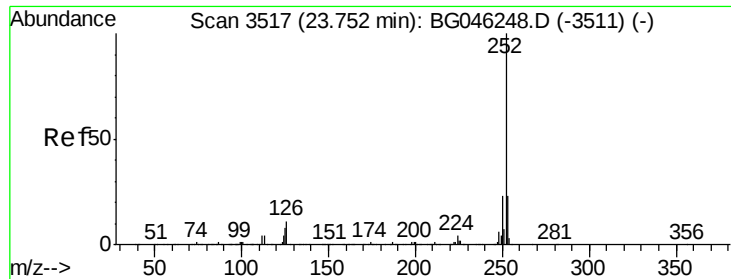


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 2.922 ng/ul

RT: 23.69 min Scan# 3506

Delta R.T. -0.06 min

Lab File: BG046260.D

Acq: 13 Aug 2020 22:23

Instrument :

BNA\_G

ClientSampleId :

BFM65

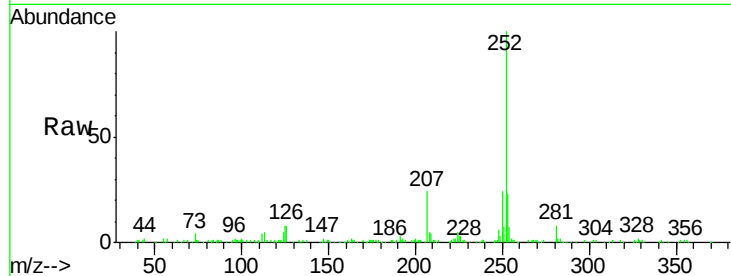
Tot Ion:252 Resp: 145519

Ion Ratio Lower Upper

252 100

253 22.8 18.5 27.7

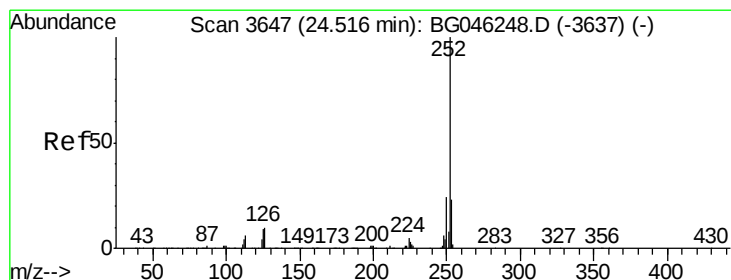
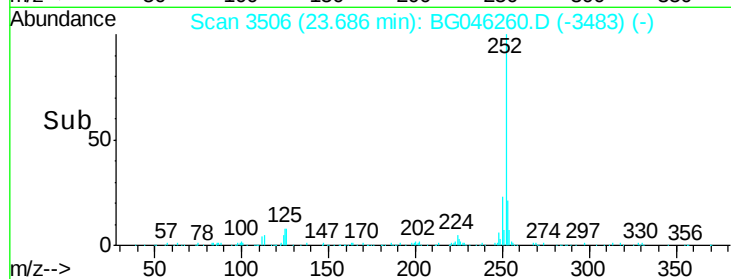
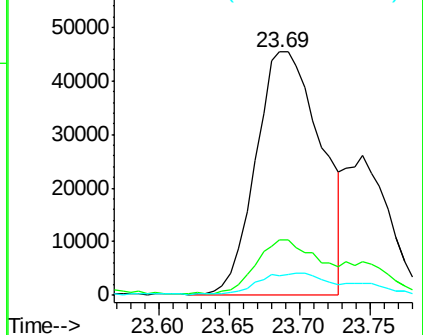
125 8.3 6.2 9.2



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



#27

Benzo(a)pyrene

Concen: 1.912 ng/ul

RT: 24.52 min Scan# 3648

Delta R.T. -0.00 min

Lab File: BG046260.D

Acq: 13 Aug 2020 22:23

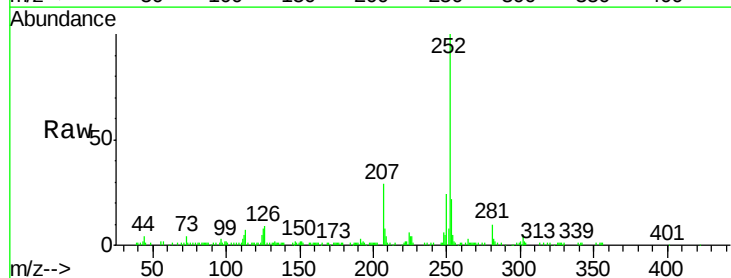
Tgt Ion:252 Resp: 88142

Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.8

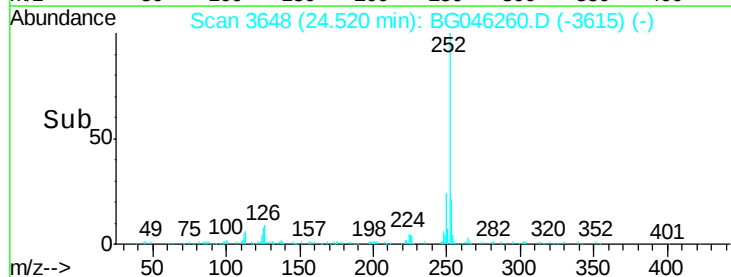
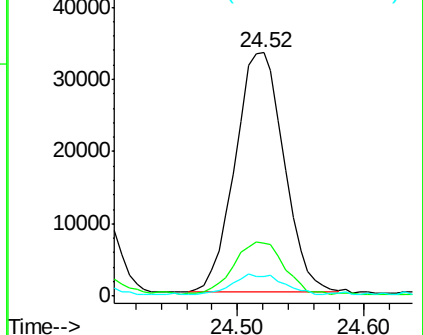
125 8.0 7.1 10.7

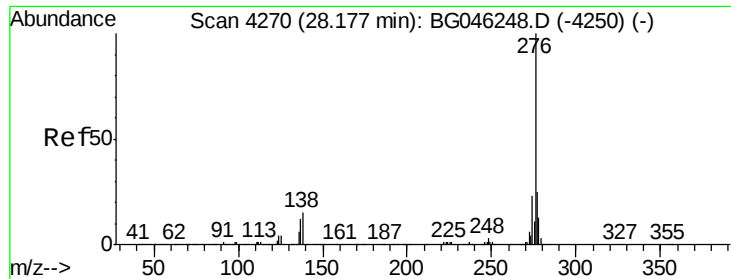


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#28

Indeno(1,2,3-cd)pyrene

Concen: 1.126 ng/ul

RT: 28.16 min Scan# 4268

Delta R.T. -0.01 min

Lab File: BG046260.D

Acq: 13 Aug 2020 22:23

Instrument :

BNA\_G

ClientSampleId :

BFM65

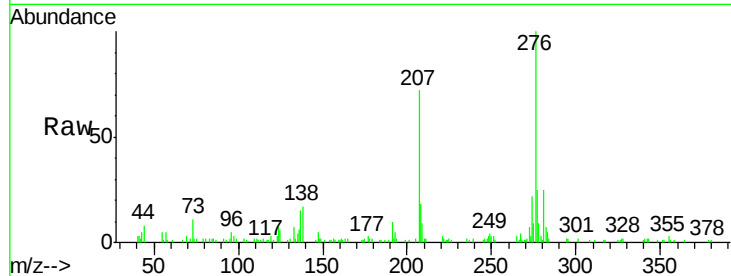
Tot Ion:276 Resp: 65017

Ion Ratio Lower Upper

276 100

138 16.6 13.2 19.8

277 25.0 19.9 29.9



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

