

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031717\  
 Data File : BG026308.D  
 Acq On : 18 Mar 2017 8:25  
 Operator : SJ/MA  
 Sample : I2283-09  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CB308

Quant Time: Mar 20 03:23:46 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG030317-PAH.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Mar 20 03:22:51 2017  
 Response via : Initial Calibration

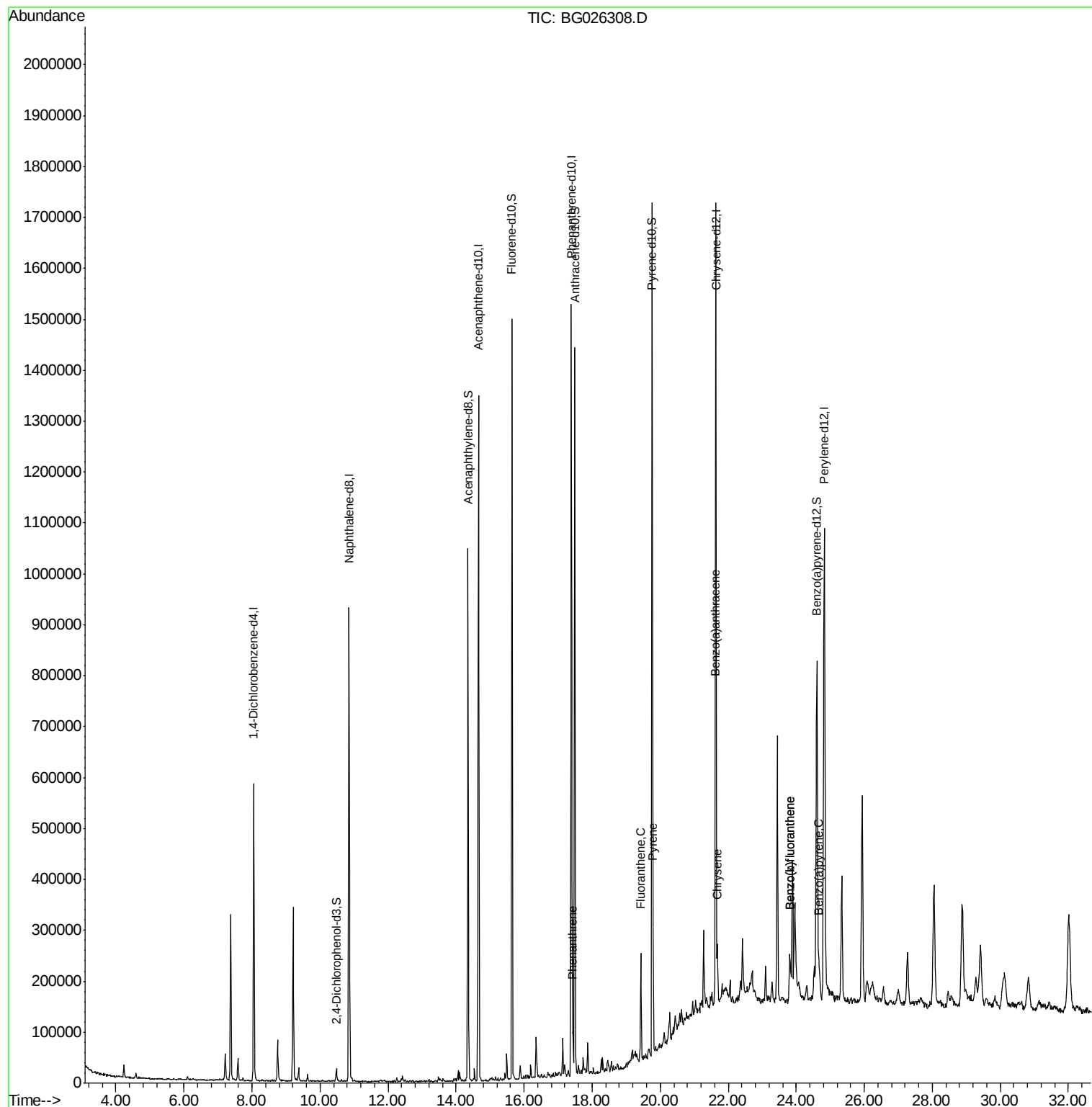
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.05  | 152  | 183561   | 20.00  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.85 | 136  | 857927   | 20.00  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.66 | 164  | 470024   | 20.00  | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 17.39 | 188  | 929788   | 20.00  | ng/ul  | 0.00     |
| 18) Chrysene-d12            | 21.64 | 240  | 929069   | 20.00  | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.82 | 264  | 890798   | 20.00  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 3) 2,4-Dichlorophenol-d3    | 10.49 | 165  | 13683    | 1.08   | ng/uL  | 0.01     |
| 7) Acenaphthylene-d8        | 14.35 | 160  | 805214   | 20.09  | ng/ul  | 0.00     |
| 10) Fluorene-d10            | 15.64 | 176  | 612986   | 20.97  | ng/ul  | 0.00     |
| 15) Anthracene-d10          | 17.49 | 188  | 824808   | 19.96  | ng/ul  | 0.00     |
| 19) Pyrene-d10              | 19.76 | 212  | 872693   | 18.41  | ng/ul  | 0.00     |
| 26) Benzo(a)pyrene-d12      | 24.60 | 264  | 694951   | 18.09  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Qvalue |        |          |
| 14) Phenanthrene            | 17.43 | 178  | 53283    | 1.08   | ng/ul  | 98       |
| 17) Fluoranthene            | 19.43 | 202  | 128127   | 2.50   | ng/ul  | 99       |
| 20) Pyrene                  | 19.79 | 202  | 128691   | 2.18   | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.61 | 228  | 71127    | 1.38   | ng/ul  | 98       |
| 22) Chrysene                | 21.68 | 228  | 79277    | 1.64   | ng/ul  | 96       |
| 24) Benzo(b)fluoranthene    | 23.81 | 252  | 109420   | 2.16   | ng/ul  | 97       |
| 25) Benzo(k)fluoranthene    | 23.81 | 252  | 109420   | 2.27   | ng/ul# | 96       |
| 27) Benzo(a)pyrene          | 24.67 | 252  | 63543    | 1.35   | ng/ul# | 94       |

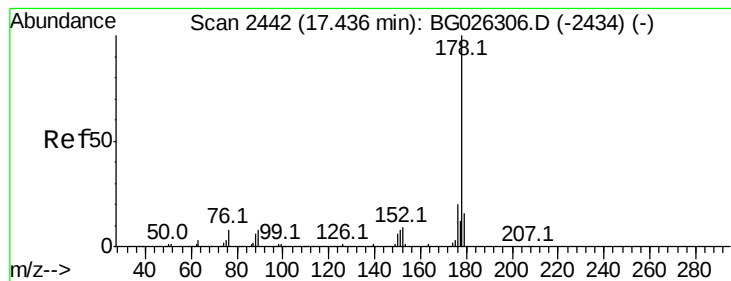
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031717\  
Data File : BG026308.D  
Acq On : 18 Mar 2017 8:25  
Operator : SJ/MA  
Sample : I2283-09  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
CB308

Quant Time: Mar 20 03:23:46 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG030317-PAH.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Mar 20 03:22:51 2017  
Response via : Initial Calibration





#14

Phenanthrene

Concen: 1.08 ng/ul

RT: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG026308.D

Acq: 18 Mar 2017 8:25

Instrument :

BNA\_G

ClientSampleId :

CB308

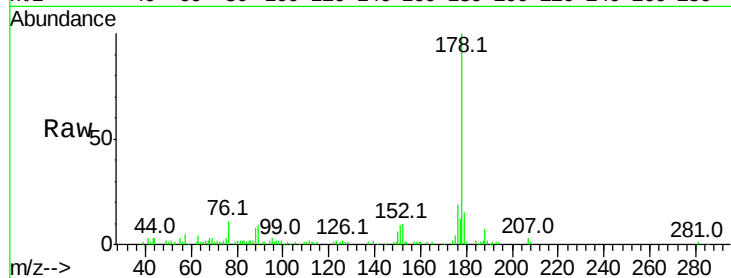
Tot Ion:178 Resp: 53283

Ion Ratio Lower Upper

178 100

179 14.5 12.2 18.4

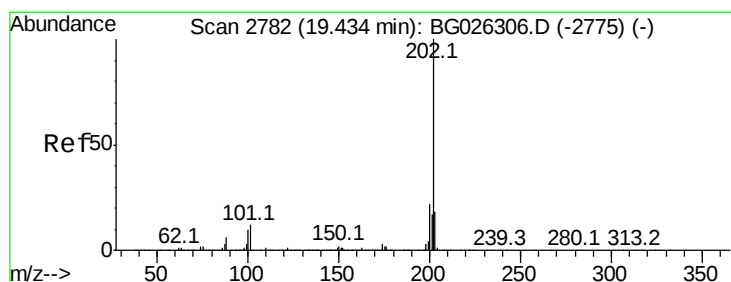
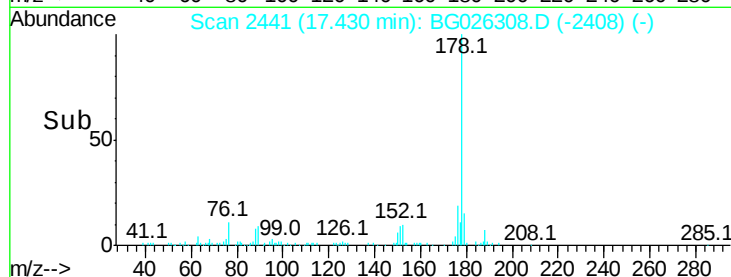
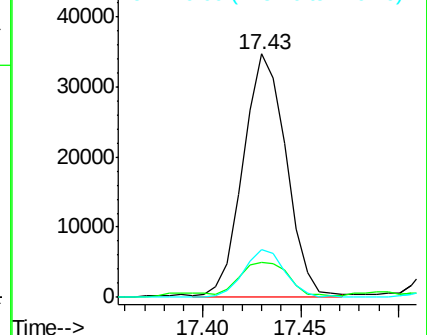
176 19.4 16.4 24.6



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: 2.50 ng/ul

RT: 19.43 min Scan# 2782

Delta R.T. -0.00 min

Lab File: BG026308.D

Acq: 18 Mar 2017 8:25

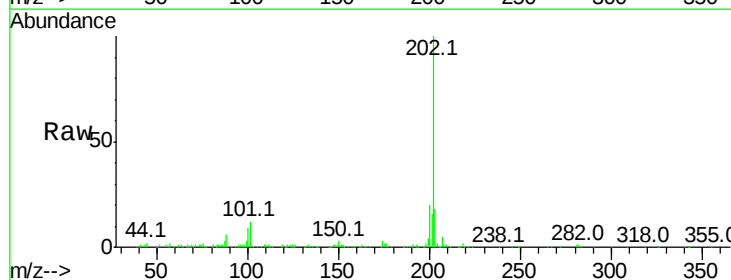
Tgt Ion:202 Resp: 128127

Ion Ratio Lower Upper

202 100

101 12.4 9.8 14.8

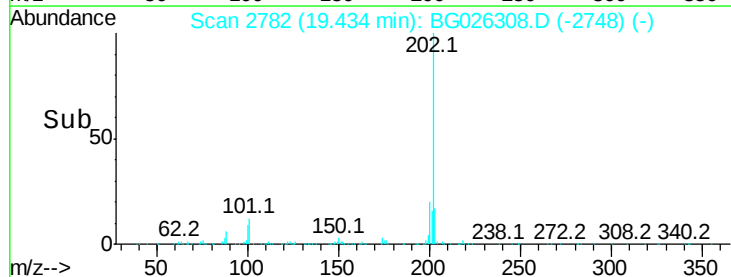
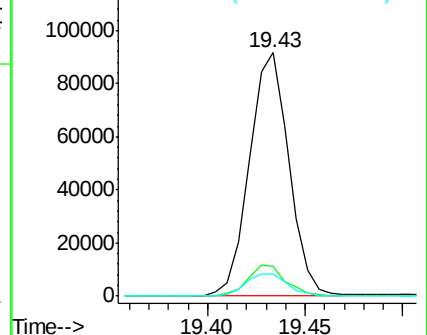
100 8.8 7.5 11.3

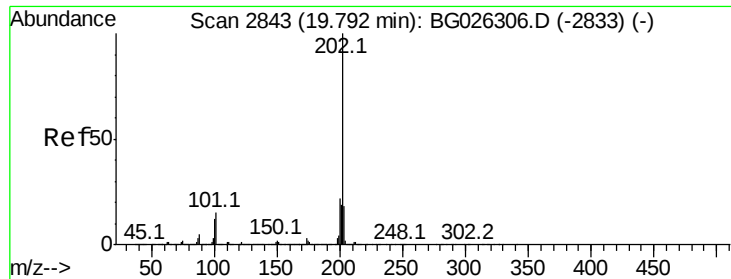


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

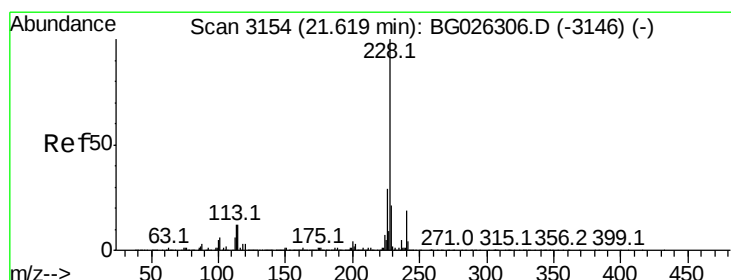
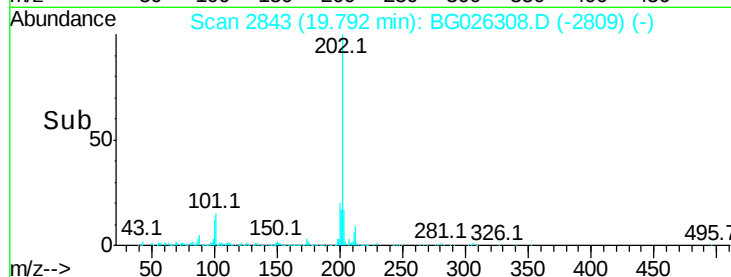
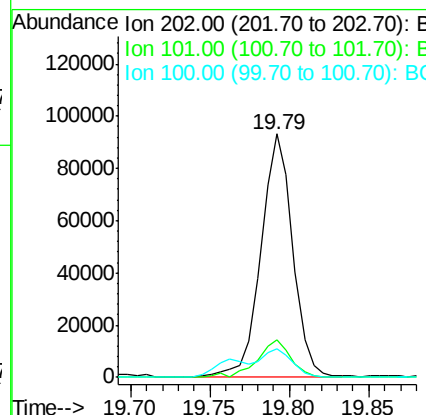
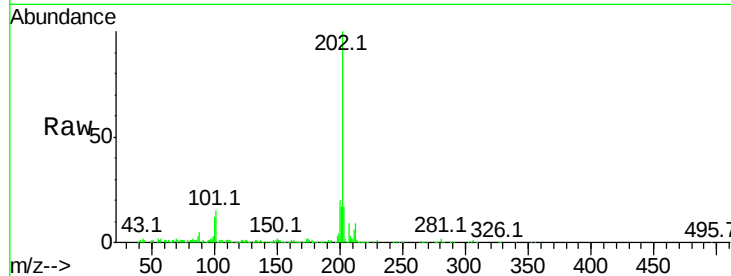




#20  
Pvrene  
Concen: 2.18 ng/ul  
RT: 19.79 min Scan# 2843  
Delta R.T. -0.00 min  
Lab File: BG026308.D  
Acq: 18 Mar 2017 8:25

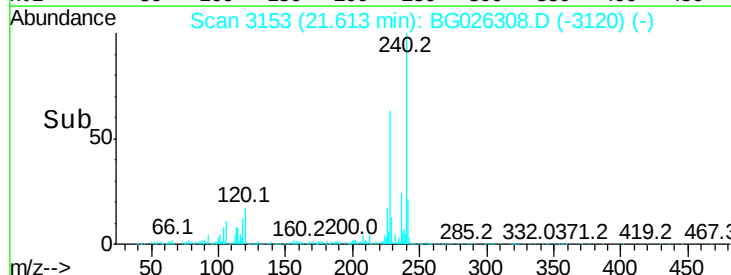
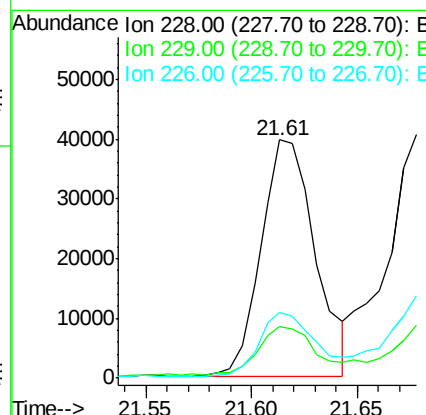
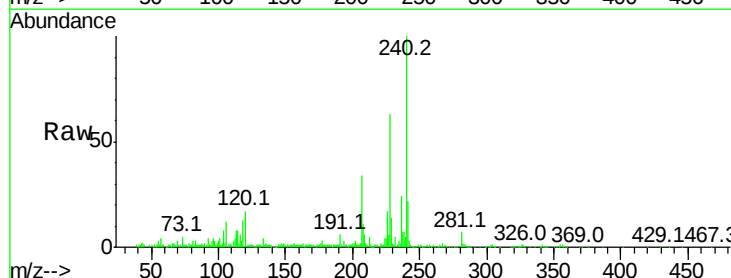
Instrument :  
BNA\_G  
ClientSampleId :  
CB308

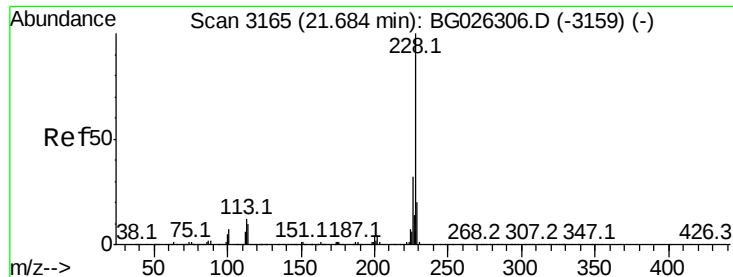
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 15.3  | 11.2  | 16.8  |
| 100     | 11.6  | 9.8   | 14.6  |



#21  
Benzo(a)anthracene  
Concen: 1.38 ng/ul  
RT: 21.61 min Scan# 3153  
Delta R.T. -0.01 min  
Lab File: BG026308.D  
Acq: 18 Mar 2017 8:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 21.5  | 15.9  | 23.9  |
| 226     | 27.7  | 22.1  | 33.1  |





#22

Chrysene

Concen: 1.64 ng/ul

RT: 21.68 min Scan# 3164

Delta R.T. -0.01 min

Lab File: BG026308.D

Acq: 18 Mar 2017 8:25

Instrument :

BNA\_G

ClientSampleId :

CB308

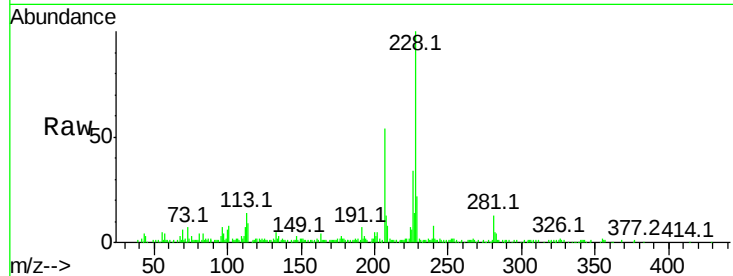
Tot Ion:228 Resp: 79277

Ion Ratio Lower Upper

228 100

226 34.1 25.0 37.6

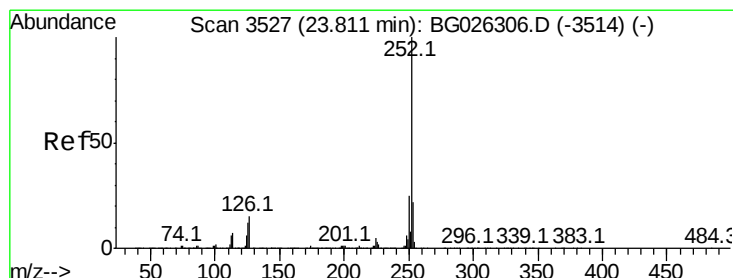
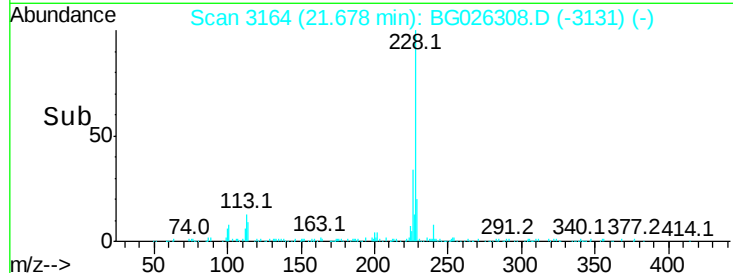
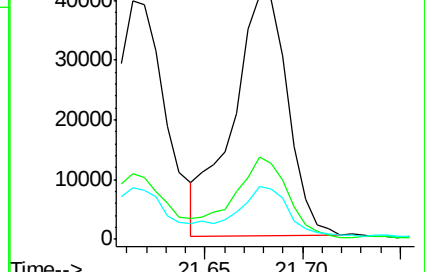
229 21.7 16.6 25.0



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: 2.16 ng/ul

RT: 23.81 min Scan# 3527

Delta R.T. -0.00 min

Lab File: BG026308.D

Acq: 18 Mar 2017 8:25

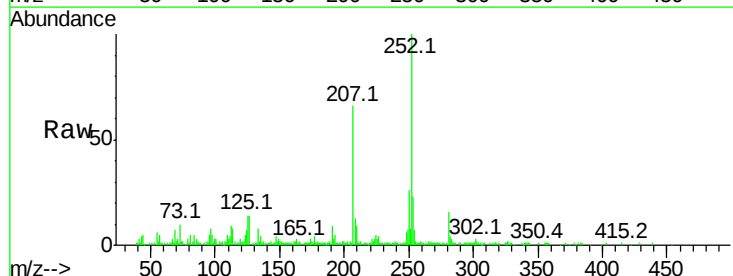
Tgt Ion:252 Resp: 109420

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

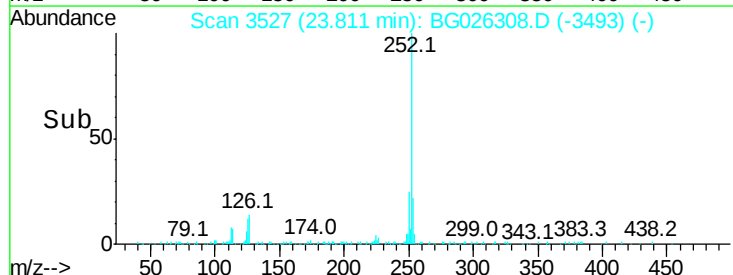
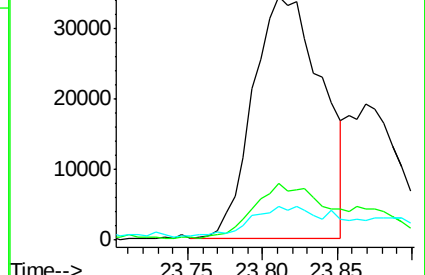
125 13.7 9.4 14.0

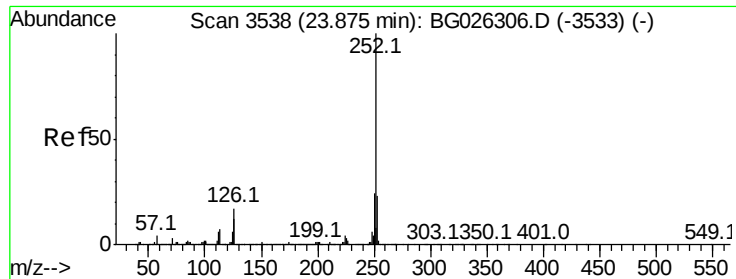


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 2.27 ng/ul

RT: 23.81 min Scan# 3527

Delta R.T. -0.06 min

Lab File: BG026308.D

Acq: 18 Mar 2017 8:25

Instrument :

BNA\_G

ClientSampleId :

CB308

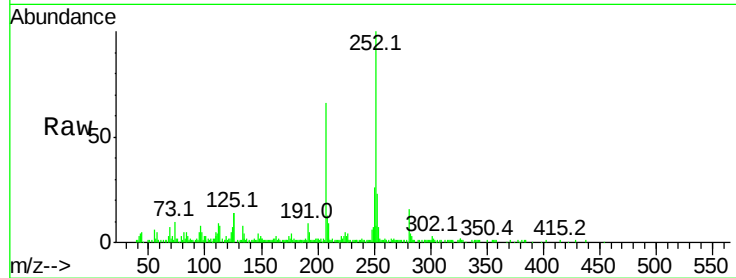
Tot Ion:252 Resp: 109420

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.2

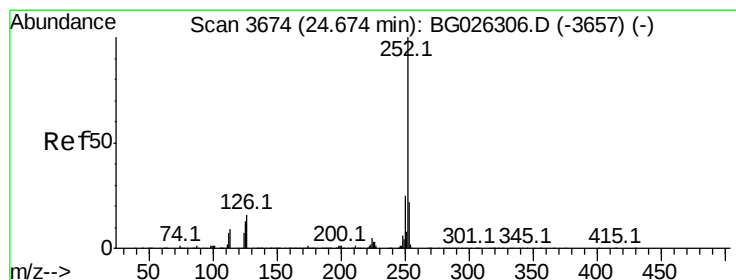
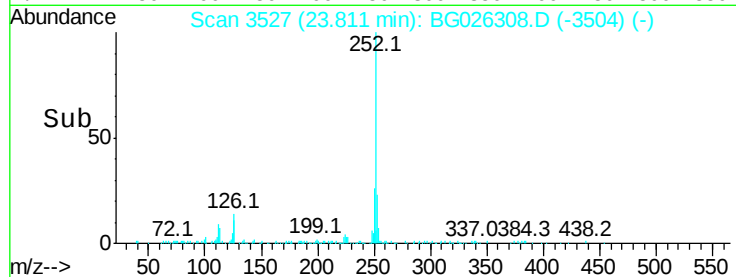
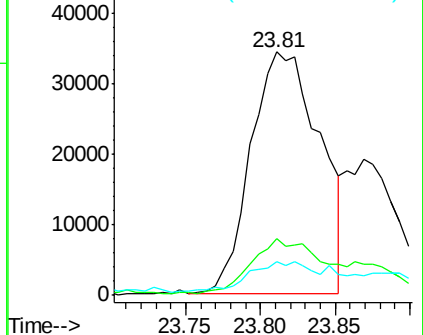
125 13.7 8.8 13.2#



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: 1.35 ng/ul

RT: 24.67 min Scan# 3673

Delta R.T. -0.01 min

Lab File: BG026308.D

Acq: 18 Mar 2017 8:25

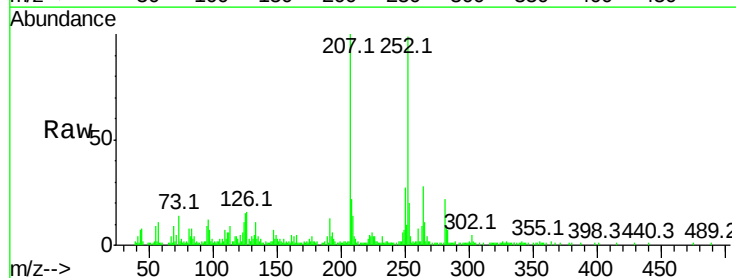
Tgt Ion:252 Resp: 63543

Ion Ratio Lower Upper

252 100

253 19.7 17.1 25.7

125 15.4 9.4 14.2#



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

