

Data File : BG025910.D  
Acq On : 21 Feb 2017 18:32  
Operator : SJ/MA  
Sample : I1900-12  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DABD8

Quant Time: Feb 21 23:48:58 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.3-EPA-BG021617MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Feb 21 23:44:02 2017  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.09  | 152  | 123478   | 20.00 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.89 | 136  | 603859   | 20.00 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.69 | 164  | 367421   | 20.00 | ng/ul | 0.00     |
| 12) Phenanthrene-d10      | 17.42 | 188  | 813354   | 20.00 | ng/ul | 0.00     |
| 17) Chrysene-d12          | 21.67 | 240  | 832603   | 20.00 | ng/ul | 0.00     |
| 22) Perylene-d12          | 24.88 | 264  | 800403   | 20.00 | ng/ul | 0.00     |

|                             |       |     |        |       |       |      |
|-----------------------------|-------|-----|--------|-------|-------|------|
| System Monitoring Compounds |       |     |        |       |       |      |
| 7) Acenaphthylene-d8        | 14.38 | 160 | 689858 | 22.67 | ng/ul | 0.00 |
| 10) Fluorene-d10            | 15.67 | 176 | 521779 | 22.33 | ng/ul | 0.00 |
| 14) Anthracene-d10          | 17.52 | 188 | 766282 | 20.84 | ng/ul | 0.00 |
| 18) Pyrene-d10              | 19.79 | 212 | 803245 | 20.02 | ng/ul | 0.00 |
| 25) Benzo(a)pyrene-d12      | 24.66 | 264 | 738983 | 20.86 | ng/ul | 0.00 |

|                            |       |     |        |        |        |    |
|----------------------------|-------|-----|--------|--------|--------|----|
| Target Compounds           |       |     |        | Qvalue |        |    |
| 13) Phenanthrene           | 17.46 | 178 | 44973  | 1.04   | ng/ul  | 99 |
| 16) Fluoranthene           | 19.46 | 202 | 367459 | 7.71   | ng/ul  | 98 |
| 20) Benzo(a)anthracene     | 21.65 | 228 | 216595 | 4.62   | ng/ul  | 97 |
| 21) Chrysene               | 21.71 | 228 | 201588 | 4.50   | ng/ul  | 96 |
| 23) Benzo(b)fluoranthene   | 23.86 | 252 | 272715 | 5.90   | ng/ul# | 95 |
| 24) Benzo(k)fluoranthene   | 23.86 | 252 | 272715 | 6.10   | ng/ul# | 95 |
| 26) Benzo(a)pyrene         | 24.72 | 252 | 190562 | 4.26   | ng/ul# | 93 |
| 27) Indeno(1,2,3-cd)pyrene | 28.52 | 276 | 134653 | 2.57   | ng/ul# | 92 |
| 29) Benzo(g,h,i)perylene   | 29.65 | 276 | 59438  | 1.37   | ng/ul# | 96 |

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

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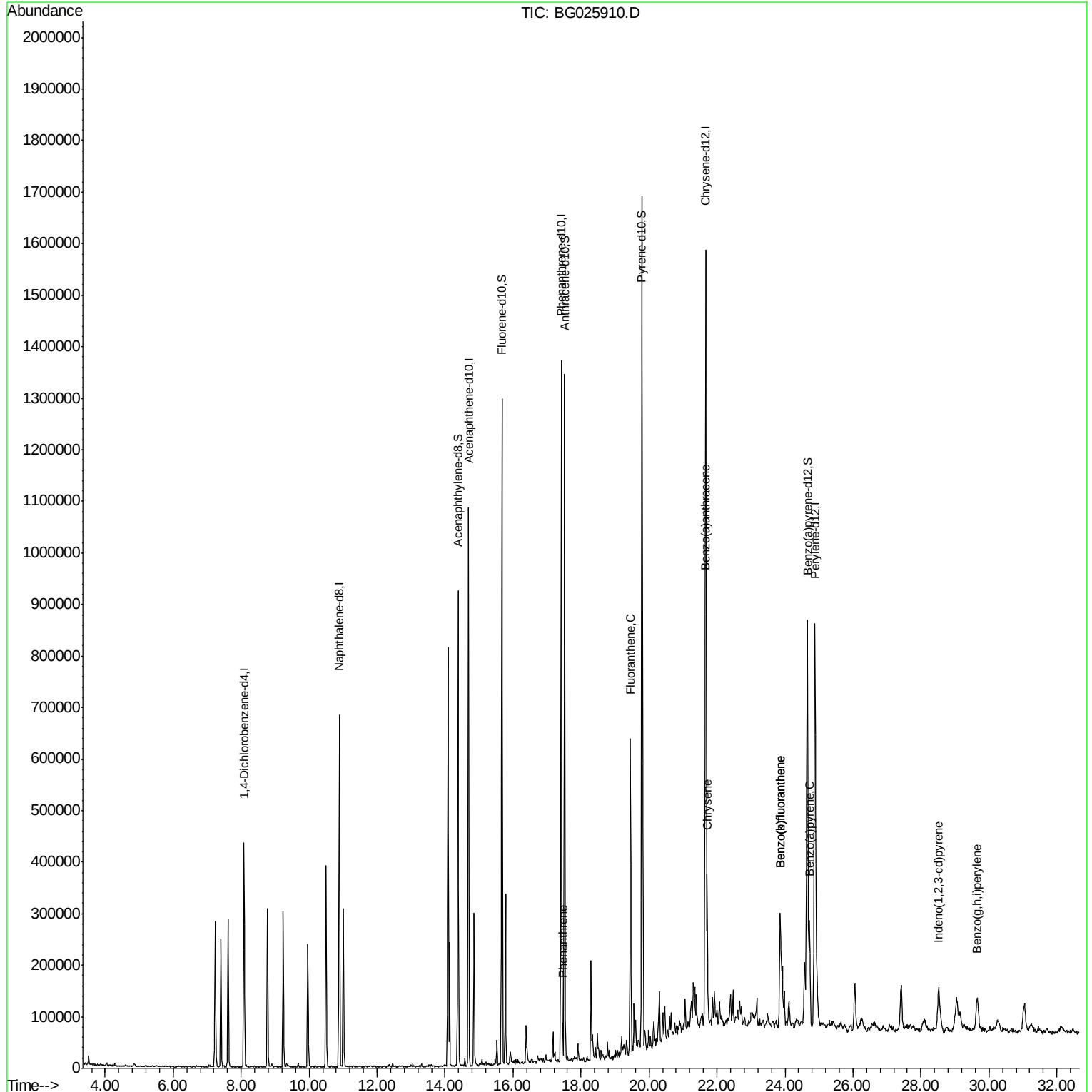
Quant Time: Feb 21 23:48:58 2017

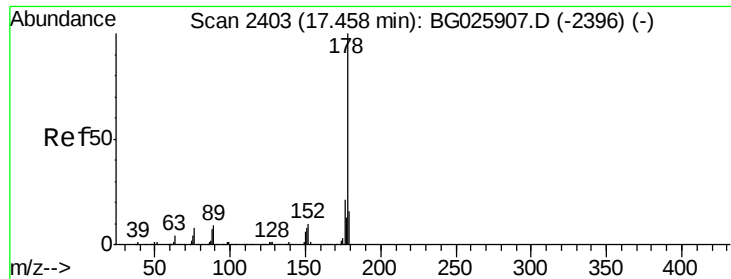
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM02.3-EPA-BG021617MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Feb 21 23:44:02 2017

Response via : Initial Calibration





#13

Phenanthrene

Concen: 1.04 ng/ul

RT: 17.46 min Scan# 2403

Delta R.T. -0.00 min

Lab File: BG025910.D

Acq: 21 Feb 2017 18:32

Instrument :

BNA\_G

ClientSampleId :

DABD8

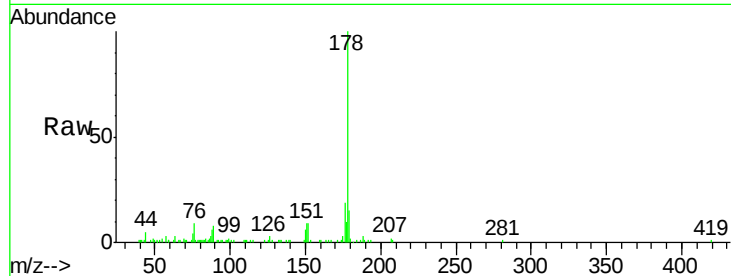
Tgt Ion:178 Resp: 44973

Ion Ratio Lower Upper

178 100

179 14.7 12.3 18.5

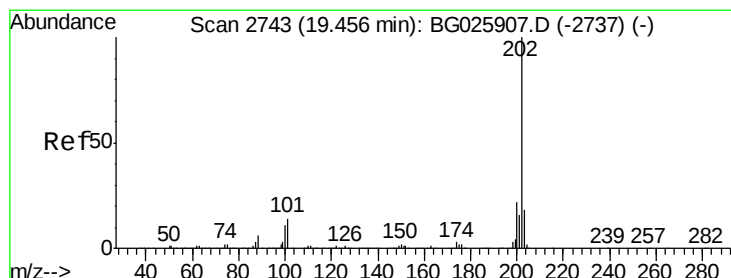
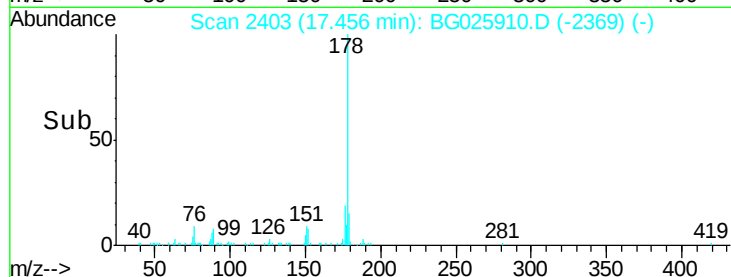
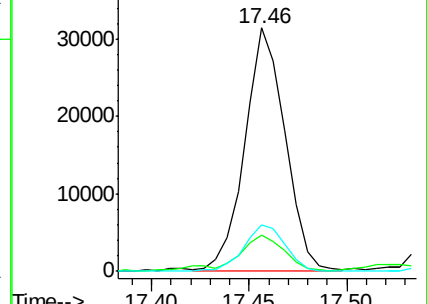
176 19.2 15.1 22.7



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: 7.71 ng/ul

RT: 19.46 min Scan# 2744

Delta R.T. 0.00 min

Lab File: BG025910.D

Acq: 21 Feb 2017 18:32

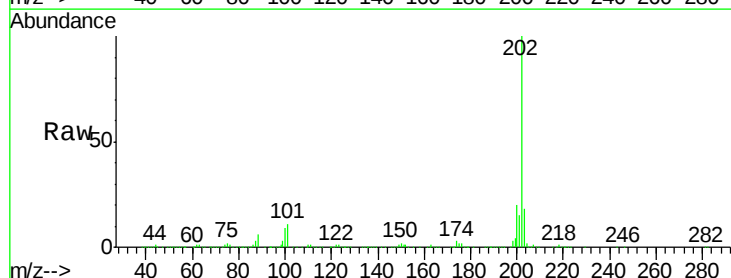
Tgt Ion:202 Resp: 367459

Ion Ratio Lower Upper

202 100

101 10.9 9.9 14.9

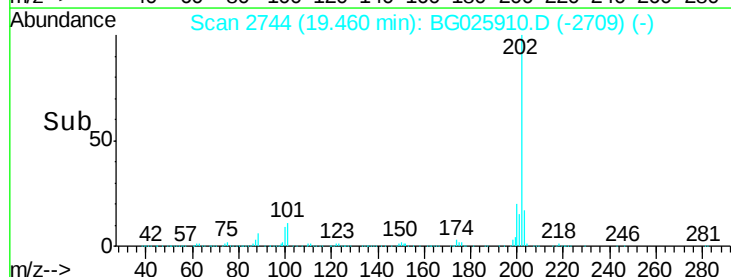
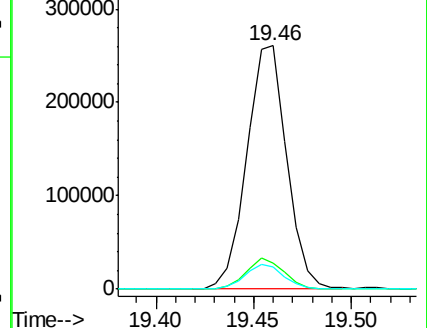
100 9.0 7.4 11.0

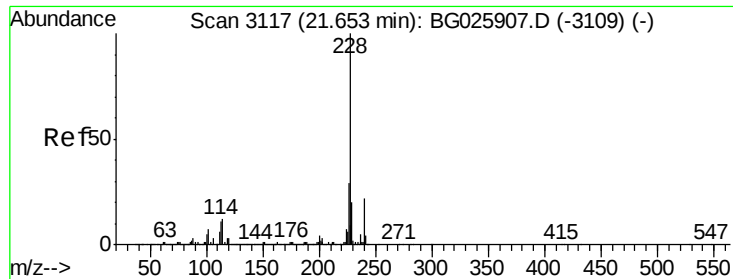


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 4.62 ng/ul

RT: 21.65 min Scan# 3116

Delta R.T. -0.01 min

Lab File: BG025910.D

Acq: 21 Feb 2017 18:32

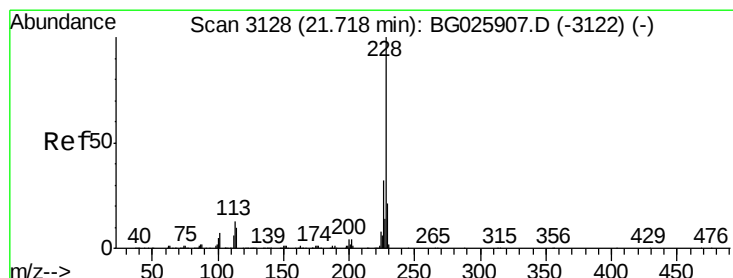
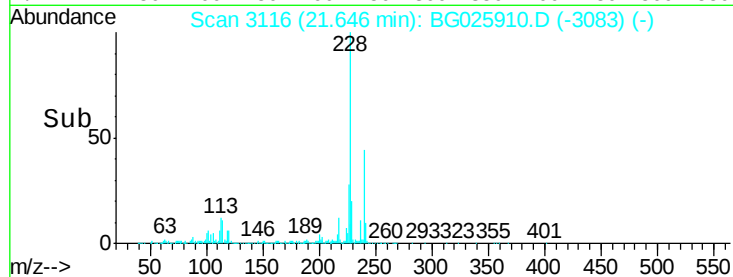
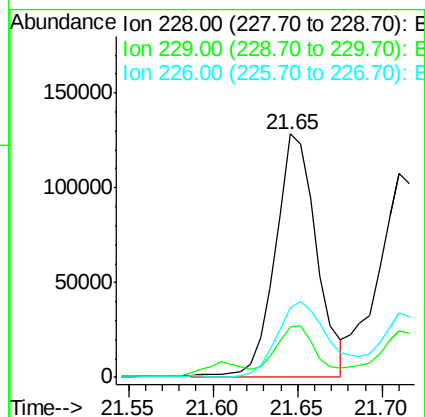
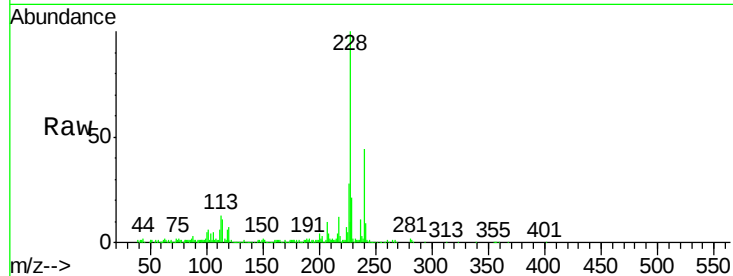
Instrument :

BNA\_G

ClientSampleId :

DABD8

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 228   | Resp: | 216595 |
| Ion      | Ratio | Lower | Upper  |
| 228      | 100   |       |        |
| 229      | 20.6  | 15.7  | 23.5   |
| 226      | 28.4  | 21.1  | 31.7   |



#21

Chrysene

Concen: 4.50 ng/ul

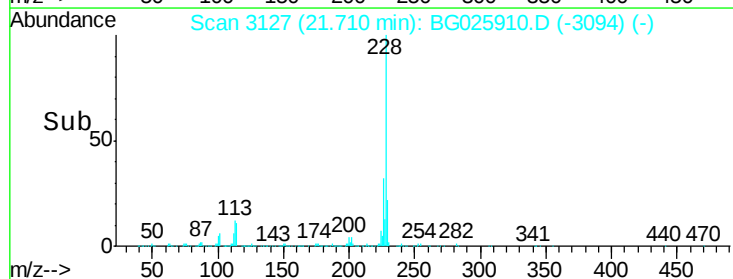
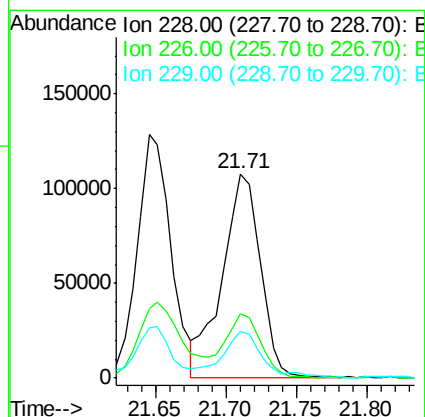
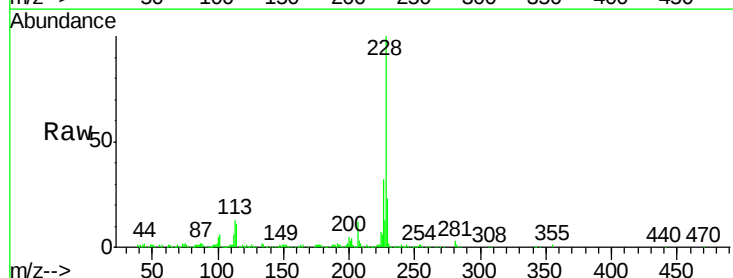
RT: 21.71 min Scan# 3127

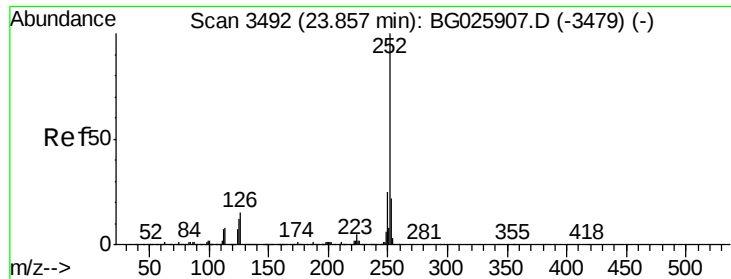
Delta R.T. -0.01 min

Lab File: BG025910.D

Acq: 21 Feb 2017 18:32

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 228   | Resp: | 201588 |
| Ion      | Ratio | Lower | Upper  |
| 228      | 100   |       |        |
| 226      | 31.9  | 24.5  | 36.7   |
| 229      | 22.5  | 15.8  | 23.8   |





#23

Benzo(b)fluoranthene

Concen: 5.90 ng/ul

RT: 23.86 min Scan# 3493

Delta R.T. 0.00 min

Lab File: BG025910.D

Acq: 21 Feb 2017 18:32

Instrument :

BNA\_G

ClientSampleId :

DABD8

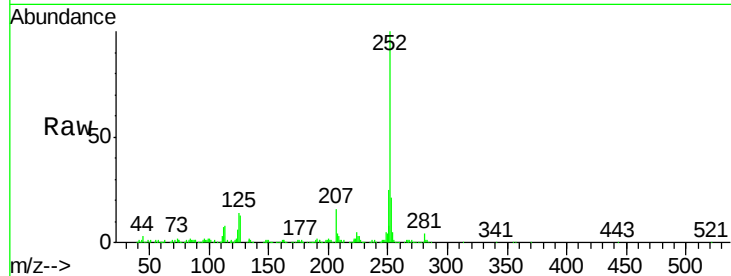
Tgt Ion:252 Resp: 272715

Ion Ratio Lower Upper

252 100

253 21.5 18.0 27.0

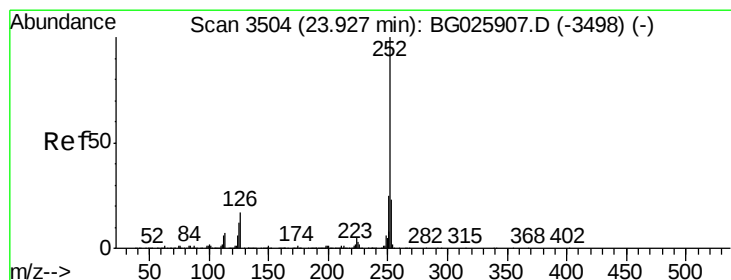
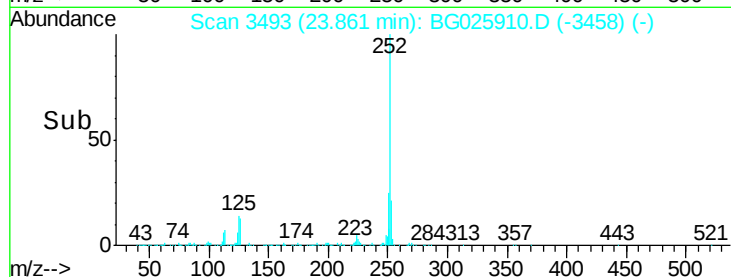
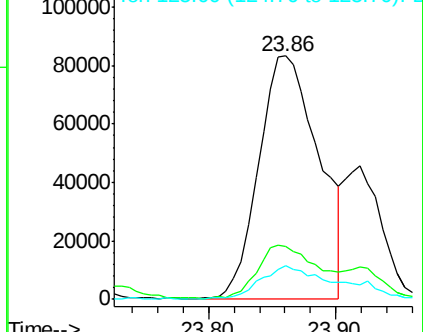
125 14.1 8.0 12.0#



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: 6.10 ng/ul

RT: 23.86 min Scan# 3493

Delta R.T. -0.07 min

Lab File: BG025910.D

Acq: 21 Feb 2017 18:32

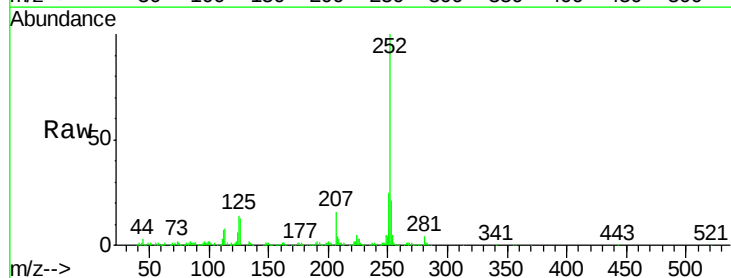
Tgt Ion:252 Resp: 272715

Ion Ratio Lower Upper

252 100

253 21.5 18.0 27.0

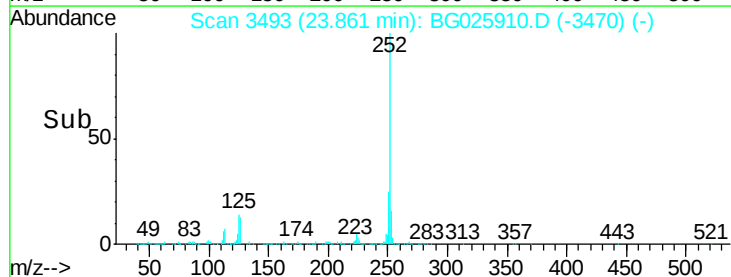
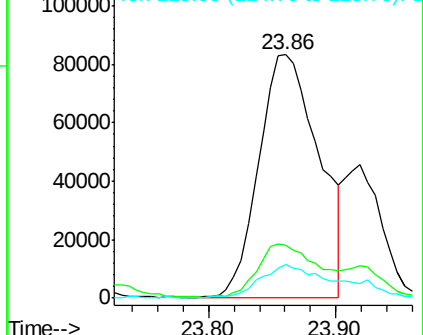
125 14.1 8.1 12.1#

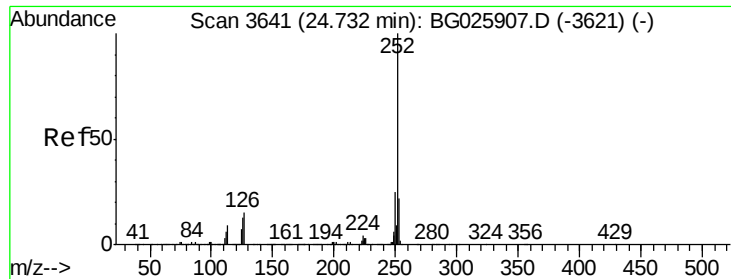


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

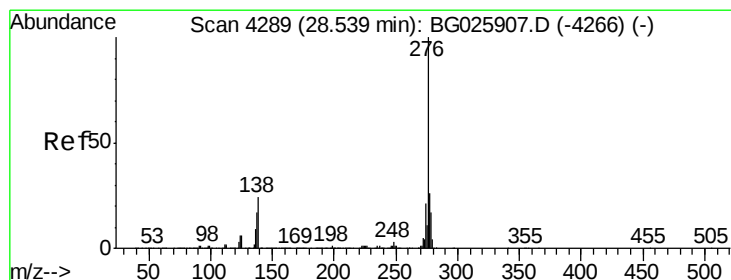
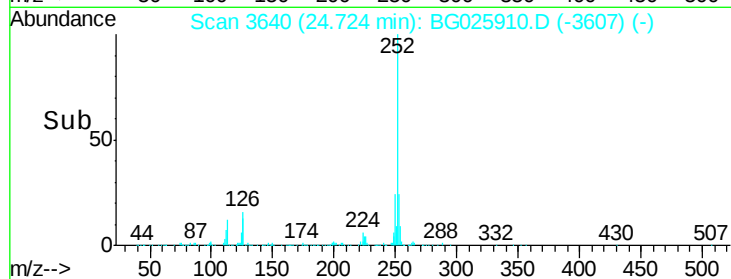
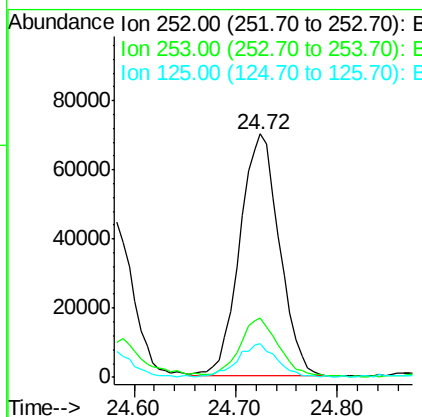
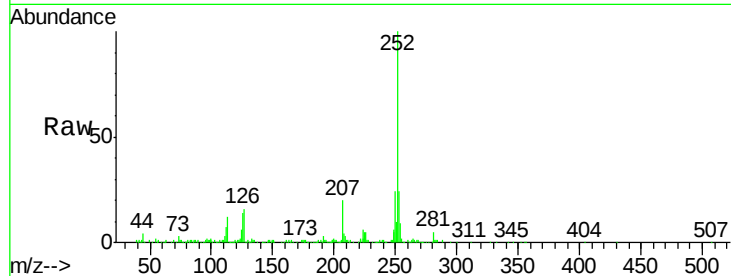




#26  
Benzo(a)pyrene  
Concen: 4.26 ng/ul  
RT: 24.72 min Scan# 3640  
Delta R.T. -0.01 min  
Lab File: BG025910.D  
Acq: 21 Feb 2017 18:32

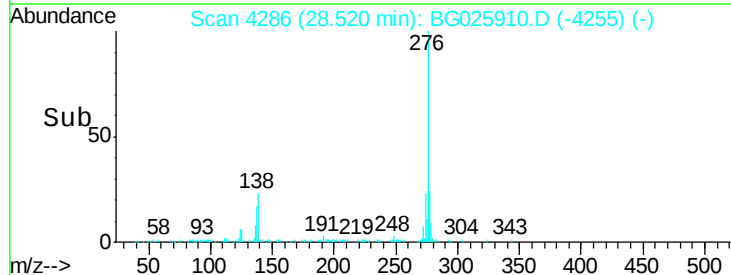
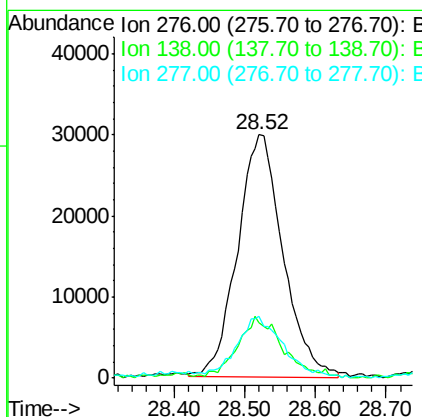
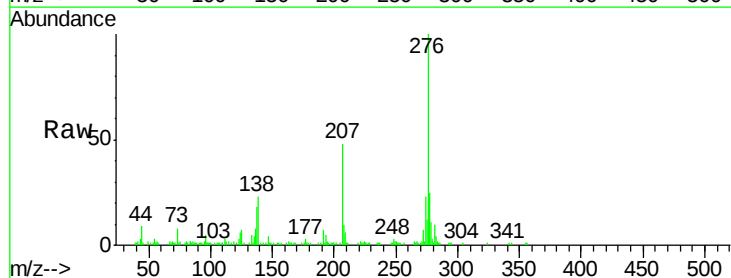
Instrument :  
BNA\_G  
ClientSampleId :  
DABD8

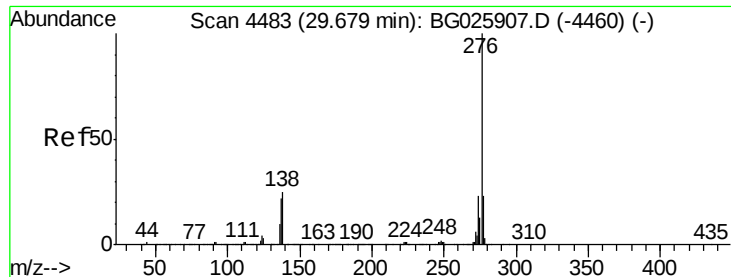
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.4  | 17.2  | 25.8  |
| 125     | 13.7  | 8.2   | 12.4# |



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 2.57 ng/ul  
RT: 28.52 min Scan# 4286  
Delta R.T. -0.02 min  
Lab File: BG025910.D  
Acq: 21 Feb 2017 18:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 22.9  | 14.4  | 21.6# |
| 277     | 25.2  | 18.0  | 27.0  |





#29

Benzo(g,h,i)perylene

Concen: 1.37 ng/ul

RT: 29.65 min Scan# 4478

Delta R.T. -0.03 min

Lab File: BG025910.D

Acq: 21 Feb 2017 18:32

Instrument :

BNA\_G

ClientSampleId :

DABD8

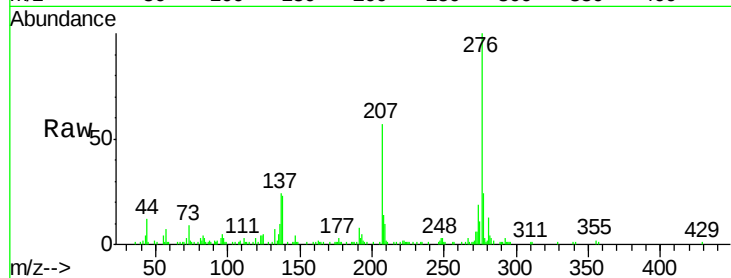
Tgt Ion: 276 Resp: 59438

Ion Ratio Lower Upper

276 100

138 23.1 15.3 22.9#

277 23.8 19.0 28.4



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

