

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081017\  
 Data File : BG028272.D  
 Acq On : 10 Aug 2017 23:59  
 Operator : SJ/JU  
 Sample : I4529-07  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0AA1

Quant Time: Aug 11 04:18:34 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Aug 11 04:08:50 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.35  | 152  | 43813    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.17 | 136  | 196759   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.96 | 164  | 138430   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.81 | 188  | 674416   | 20.00 | ng/ul | 0.10     |
| 75) Chrysene-d12          | 22.04 | 240  | 385919   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.55 | 264  | 366654   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.84  | 96  | 7061   | 7.51  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.50  | 99  | 153294 | 31.86 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.67  | 67  | 102556 | 33.65 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.88  | 132 | 113707 | 37.46 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 9.05  | 113 | 115782 | 28.79 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.52  | 128 | 57877  | 37.62 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.25 | 143 | 67318  | 39.91 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.79 | 165 | 130324 | 37.34 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.30 | 131 | 135009 | 34.75 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.35 | 166 | 478685 | 38.88 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.66 | 160 | 526826 | 37.95 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.15 | 143 | 57923  | 29.59 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.94 | 176 | 408521 | 36.98 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.06 | 200 | 78729  | 17.97 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.81 | 188 | 674416 | 20.85 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 20.08 | 212 | 806489 | 40.75 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 25.30 | 264 | 730540 | 42.56 | ng/ul | 0.00 |

## Target Compounds

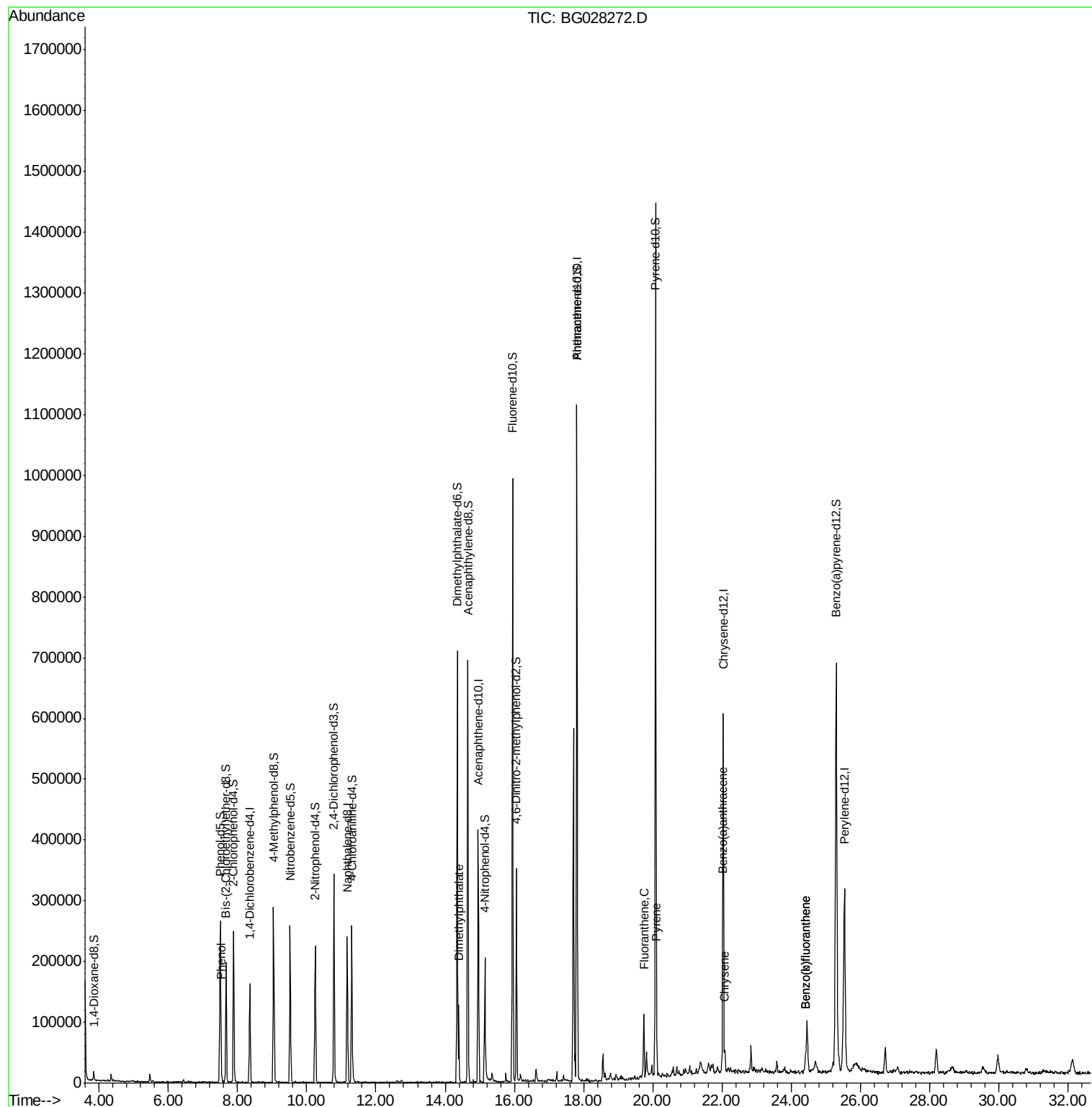
|                          |       |     |       |       | Ovalue    |
|--------------------------|-------|-----|-------|-------|-----------|
| 6) Phenol                | 7.52  | 94  | 12985 | 2.715 | ng/ul 92  |
| 44) Dimethylphthalate    | 14.39 | 163 | 76701 | 6.766 | ng/ul 99  |
| 74) Fluoranthene         | 19.75 | 202 | 68913 | 1.671 | ng/ul 99  |
| 77) Pyrene               | 20.11 | 202 | 59288 | 2.575 | ng/ul 97  |
| 80) Benzo(a)anthracene   | 22.01 | 228 | 31377 | 1.407 | ng/ul 95  |
| 82) Chrysene             | 22.08 | 228 | 30024 | 1.495 | ng/ul 93  |
| 85) Benzo(b)fluoranthene | 24.42 | 252 | 41309 | 1.883 | ng/ul# 91 |
| 86) Benzo(k)fluoranthene | 24.42 | 252 | 41309 | 1.927 | ng/ul# 89 |

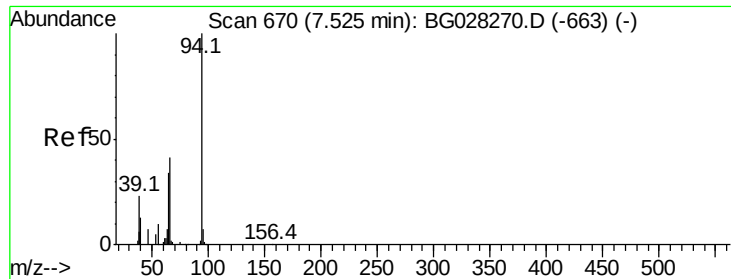
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081017\  
Data File : BG028272.D  
Acq On : 10 Aug 2017 23:59  
Operator : SJ/JU  
Sample : I4529-07  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0AA1

Quant Time: Aug 11 04:18:34 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Aug 11 04:08:50 2017  
Response via : Initial Calibration





#6

Phenol

Concen: 2.715 ng/ul

RT: 7.52 min Scan# 670

Delta R.T. 0.00 min

Lab File: BG028272.D

Acq: 10 Aug 2017 23:59

Instrument :

BNA\_G

ClientSampleId :

C0AA1

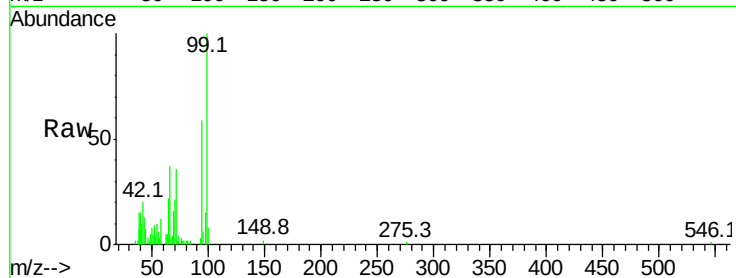
Tot Ion: 94 Resp: 12985

Ion Ratio Lower Upper

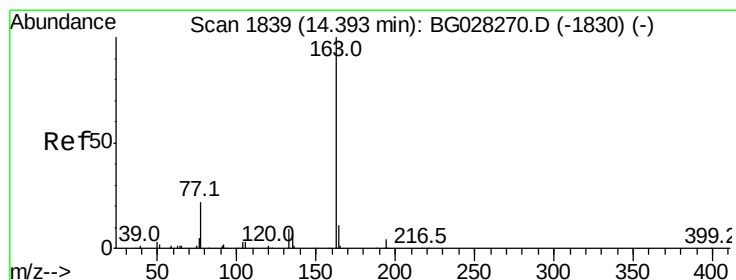
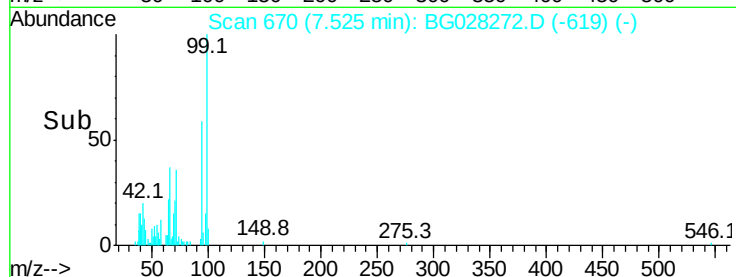
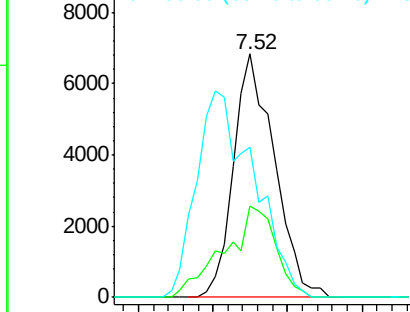
94 100

65 37.7 26.8 40.2

66 61.6 44.4 66.6



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC



#44

Dimethylphthalate

Concen: 6.766 ng/ul

RT: 14.39 min Scan# 1839

Delta R.T. 0.00 min

Lab File: BG028272.D

Acq: 10 Aug 2017 23:59

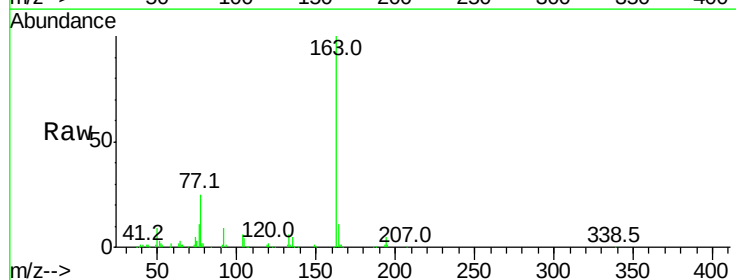
Tgt Ion:163 Resp: 76701

Ion Ratio Lower Upper

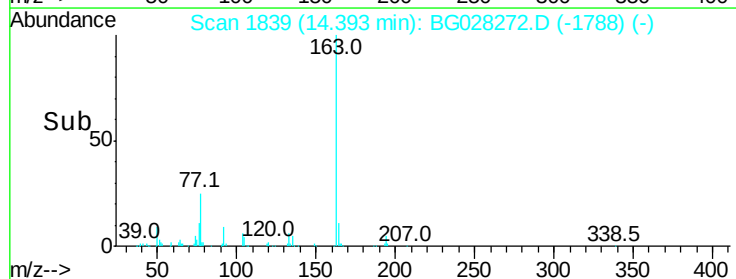
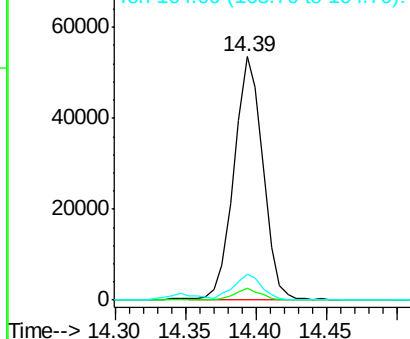
163 100

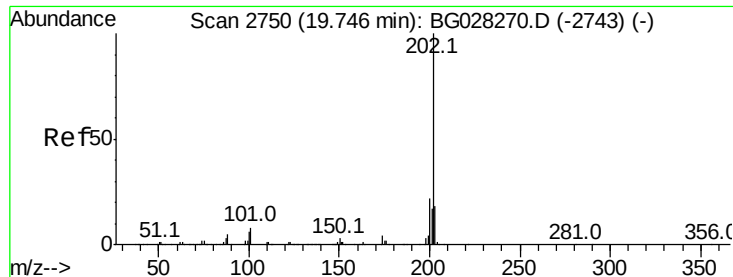
194 4.9 3.4 5.0

164 10.9 9.0 13.4



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





#74

Fluoranthene

Concen: 1.671 ng/ul

RT: 19.75 min Scan# 2750

Delta R.T. 0.00 min

Lab File: BG028272.D

Acq: 10 Aug 2017 23:59

Instrument :

BNA\_G

ClientSampleId :

C0AA1

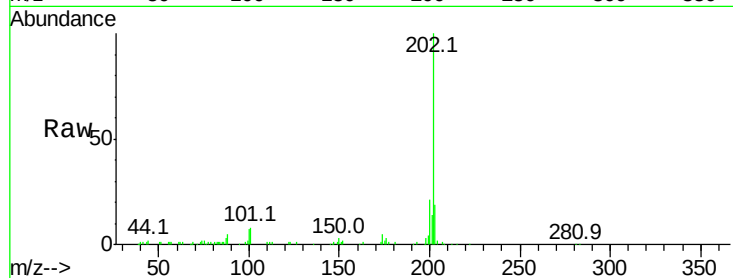
Tot Ion:202 Resp: 68913

Ion Ratio Lower Upper

202 100

101 8.2 6.2 9.2

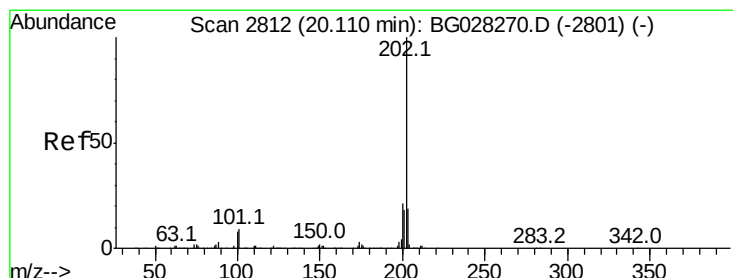
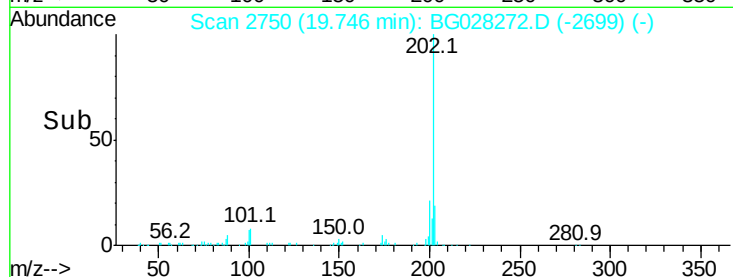
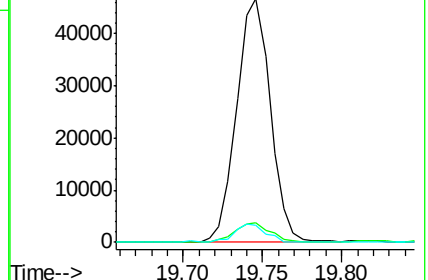
100 6.9 5.2 7.8



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



#77

Pyrene

Concen: 2.575 ng/ul

RT: 20.11 min Scan# 2812

Delta R.T. 0.00 min

Lab File: BG028272.D

Acq: 10 Aug 2017 23:59

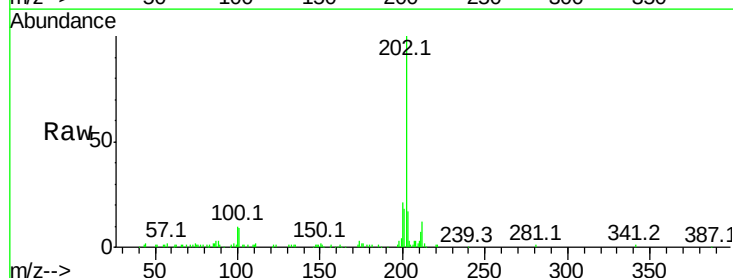
Tgt Ion:202 Resp: 59288

Ion Ratio Lower Upper

202 100

101 9.5 6.9 10.3

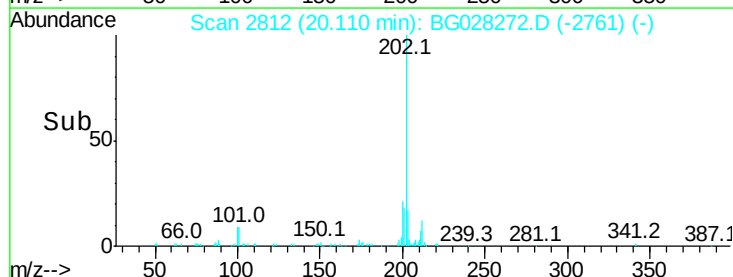
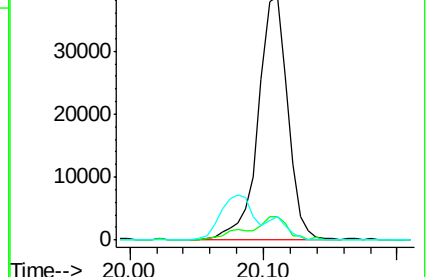
100 9.7 6.6 10.0

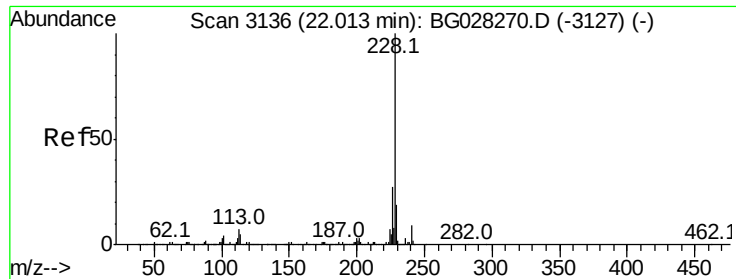


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 1.407 ng/ul

RT: 22.01 min Scan# 3136

Delta R.T. 0.00 min

Lab File: BG028272.D

Acq: 10 Aug 2017 23:59

Instrument :

BNA\_G

ClientSampleId :

C0AA1

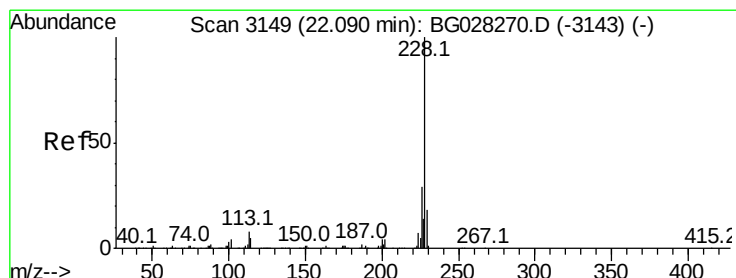
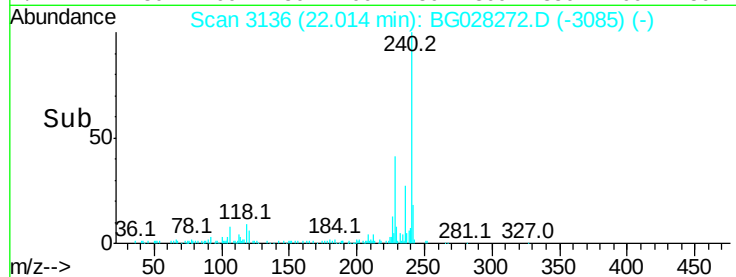
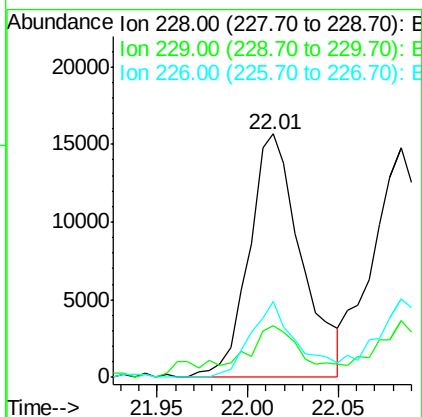
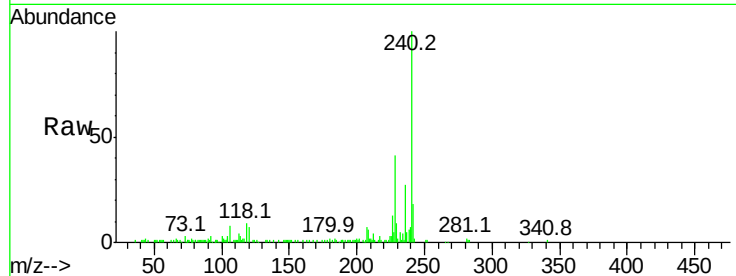
Tot Ion:228 Resp: 31377

Ion Ratio Lower Upper

228 100

229 21.1 16.3 24.5

226 31.1 21.9 32.9



#82

Chrysene

Concen: 1.495 ng/ul

RT: 22.08 min Scan# 3148

Delta R.T. -0.01 min

Lab File: BG028272.D

Acq: 10 Aug 2017 23:59

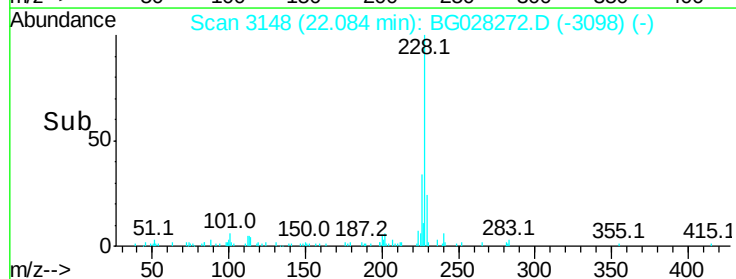
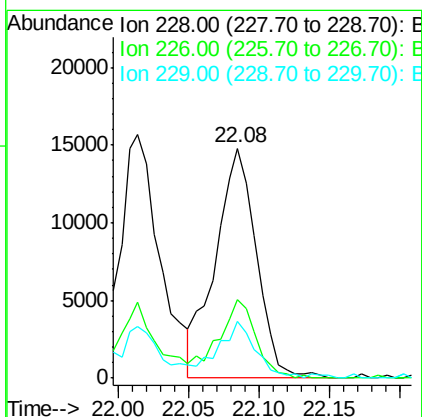
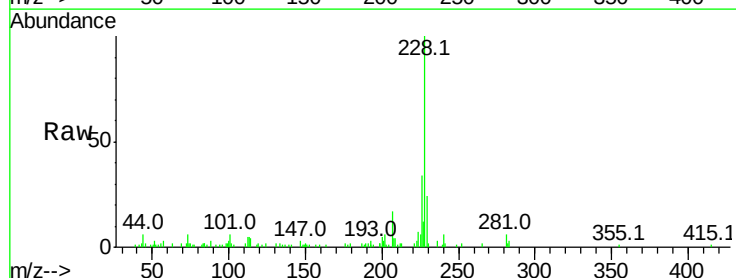
Tgt Ion:228 Resp: 30024

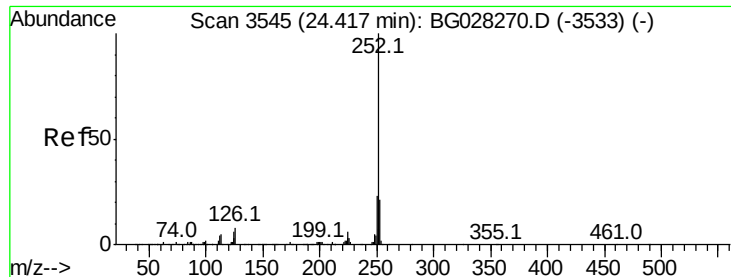
Ion Ratio Lower Upper

228 100

226 34.0 24.0 36.0

229 24.5 16.9 25.3





#85

Benzo(b)fluoranthene

Concen: 1.883 ng/ul

RT: 24.42 min Scan# 3545

Delta R.T. 0.00 min

Lab File: BG028272.D

Acq: 10 Aug 2017 23:59

Instrument :

BNA\_G

ClientSampleId :

C0AA1

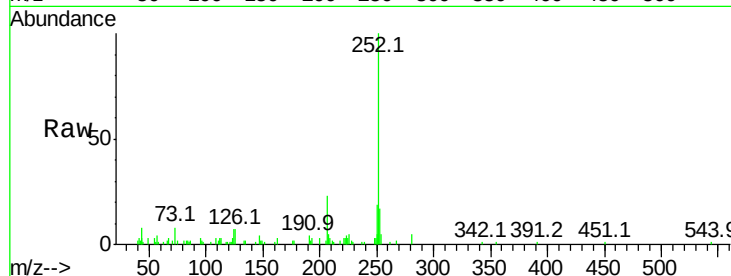
Tot Ion:252 Resp: 41309

Ion Ratio Lower Upper

252 100

253 17.3 17.7 26.5#

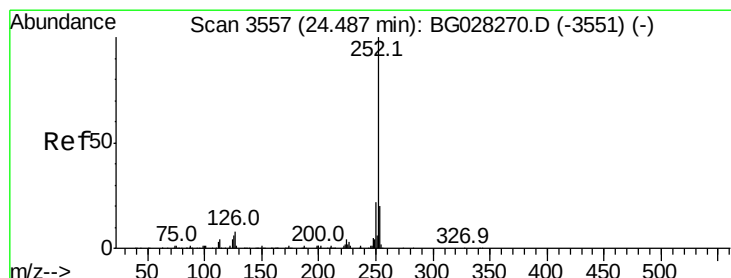
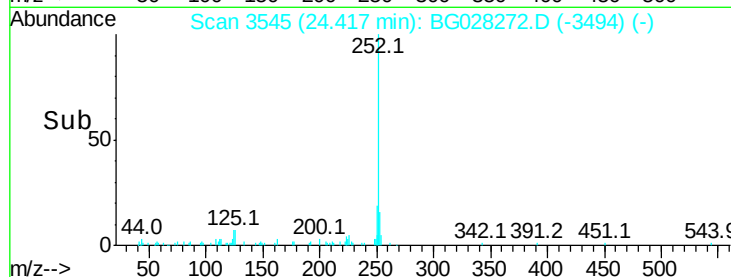
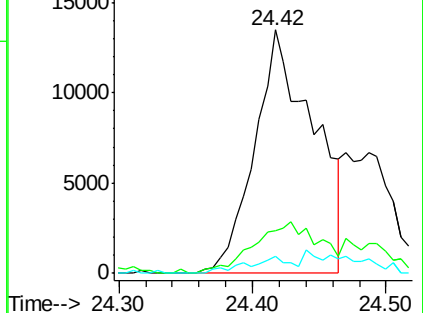
125 6.8 4.0 6.0#



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



#86

Benzo(k)fluoranthene

Concen: 1.927 ng/ul

RT: 24.42 min Scan# 3545

Delta R.T. -0.07 min

Lab File: BG028272.D

Acq: 10 Aug 2017 23:59

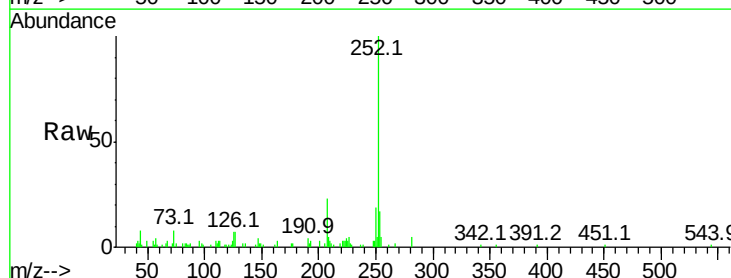
Tgt Ion:252 Resp: 41309

Ion Ratio Lower Upper

252 100

253 17.3 18.5 27.7#

125 6.8 4.1 6.1#



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

