

Data File : BG030760.D  
Acq On : 6 Nov 2017 4:44  
Operator : SJ/JU  
Sample : I6126-07  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
B0EE8

Quant Time: Nov 06 05:39:22 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG101417.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Nov 06 01:27:00 2017  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.16  | 152  | 86016    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.97 | 136  | 406723   | 20.00 | ng/ul | 0.01     |
| 35) Acenaphthene-d10      | 14.78 | 164  | 278500   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.51 | 188  | 650005   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.79 | 240  | 657167   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 25.10 | 264  | 674382   | 20.00 | ng/ul | 0.02     |

System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.54  | 96  | 5746   | 2.72  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.31  | 99  | 102455 | 12.41 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.47  | 67  | 65269  | 12.63 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.69  | 132 | 89534  | 15.37 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.87  | 113 | 67159  | 10.07 | ng/ul | 0.01 |
| 19) Nitrobenzene-d5            | 9.32  | 128 | 46051  | 15.77 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.05 | 143 | 53522  | 17.89 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.59 | 165 | 97965  | 14.37 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.10 | 131 | 107789 | 13.61 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.17 | 166 | 353817 | 14.86 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.47 | 160 | 437299 | 15.10 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.98 | 143 | 38644  | 8.79  | ng/ul | 0.01 |
| 57) Fluorene-d10               | 15.76 | 176 | 335265 | 17.19 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.88 | 200 | 7177   | 2.26  | ng/ul | 0.01 |
| 70) Anthracene-d10             | 17.61 | 188 | 506405 | 16.47 | ng/ul | 0.01 |
| 76) Pyrene-d10                 | 19.89 | 212 | 546957 | 16.08 | ng/ul | 0.01 |
| 87) Benzo(a)pyrene-d12         | 24.87 | 264 | 521496 | 16.33 | ng/ul | 0.02 |

Target Compounds

|                          |       |     |        |      |        | Qvalue |
|--------------------------|-------|-----|--------|------|--------|--------|
| 6) Phenol                | 7.34  | 94  | 17391  | 2.04 | ng/ul  | 95     |
| 44) Dimethylphthalate    | 14.22 | 163 | 150088 | 6.46 | ng/ul  | 99     |
| 69) Phenanthrene         | 17.56 | 178 | 92748  | 2.64 | ng/ul  | 98     |
| 74) Fluoranthene         | 19.55 | 202 | 139244 | 3.55 | ng/ul  | 98     |
| 77) Pyrene               | 19.92 | 202 | 140856 | 3.20 | ng/ul  | 99     |
| 80) Benzo(a)anthracene   | 21.77 | 228 | 59485  | 1.44 | ng/ul  | 94     |
| 82) Chrysene             | 21.83 | 228 | 80217  | 2.14 | ng/ul  | 98     |
| 85) Benzo(b)fluoranthene | 24.04 | 252 | 85227  | 2.11 | ng/ul# | 91     |
| 88) Benzo(a)pyrene       | 24.93 | 252 | 55429  | 1.41 | ng/ul# | 93     |
| 91) Benzo(g,h,i)perylene | 30.08 | 276 | 37412  | 1.01 | ng/ul# | 88     |

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

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Sample : I6126-07

Misc :

ALS Vial : 27 Sample Multiplier: 1

Instrument :

BNA\_G

ClientSampled :

B0EE8

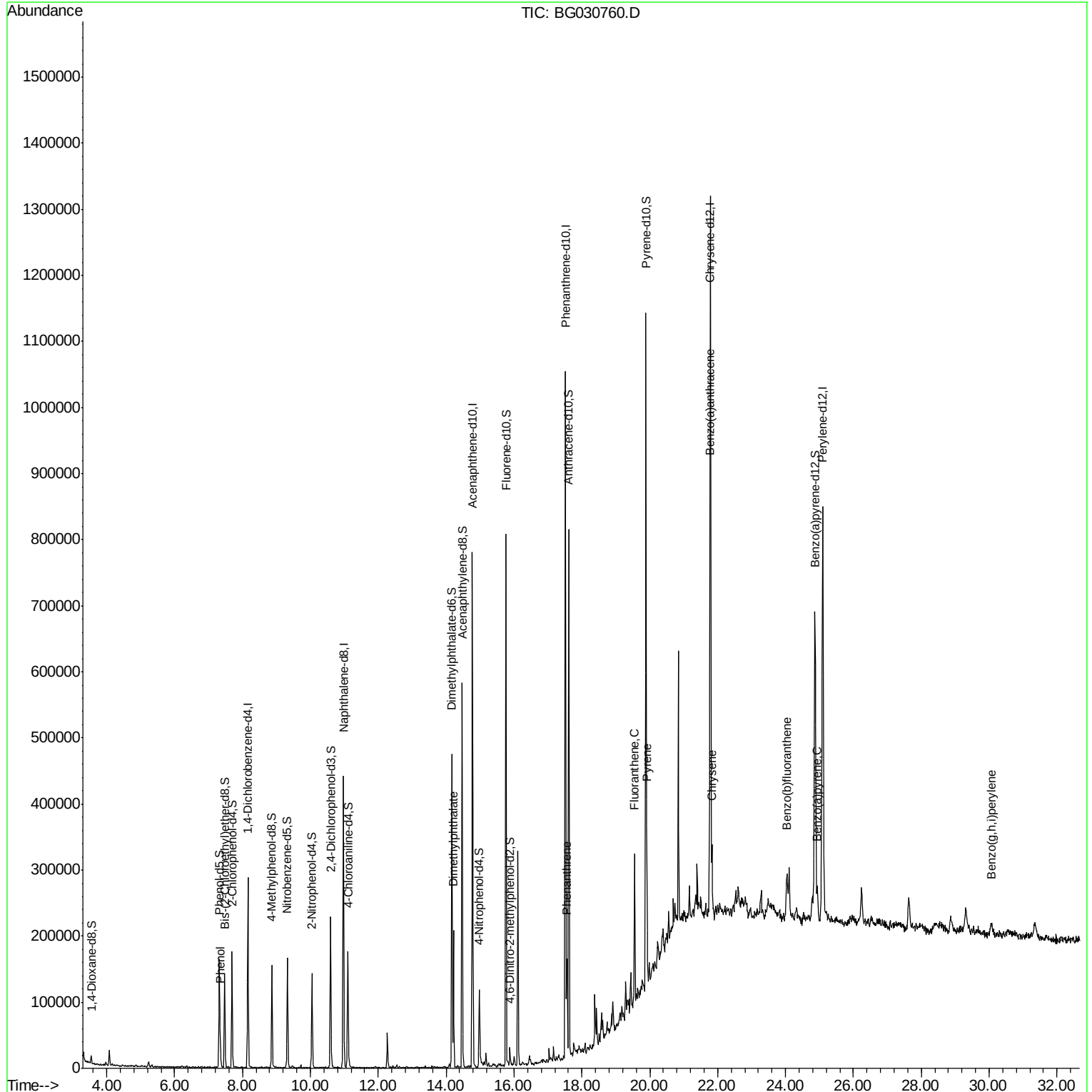
Quant Time: Nov 06 05:39:22 2017

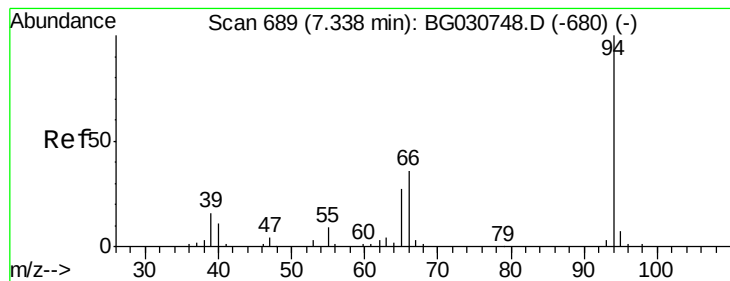
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG101417.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Nov 06 01:27:00 2017

Response via : Initial Calibration





#6

Phenol

Concen: 2.04 ng/ul

RT: 7.34 min Scan# 690

Delta R.T. 0.01 min

Lab File: BG030760.D

Acq: 6 Nov 2017 4:44

Instrument :

BNA\_G

ClientSampleId :

B0EE8

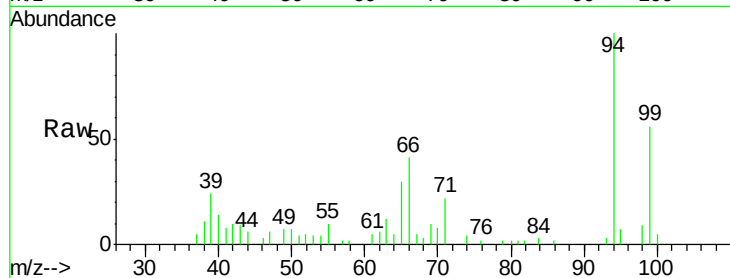
Tgt Ion: 94 Resp: 17391

Ion Ratio Lower Upper

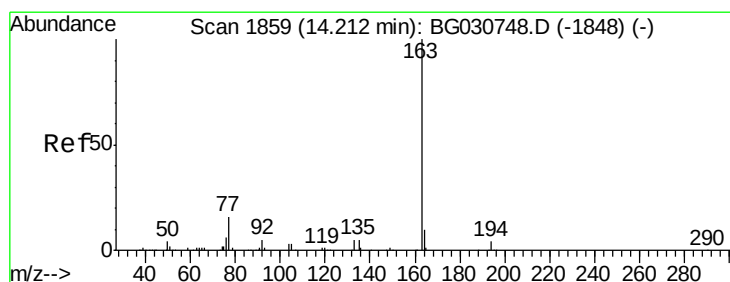
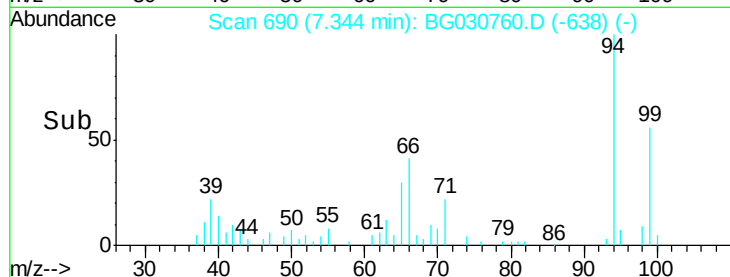
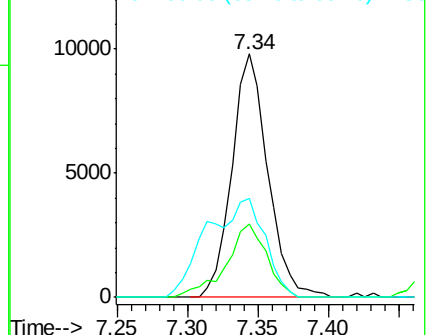
94 100

65 30.1 27.1 40.7

66 40.9 34.6 52.0



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: 6.46 ng/ul

RT: 14.22 min Scan# 1860

Delta R.T. 0.01 min

Lab File: BG030760.D

Acq: 6 Nov 2017 4:44

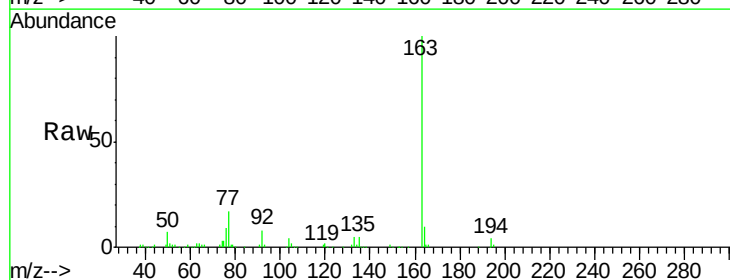
Tgt Ion: 163 Resp: 150088

Ion Ratio Lower Upper

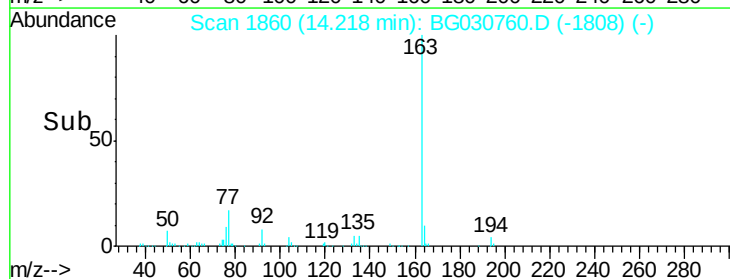
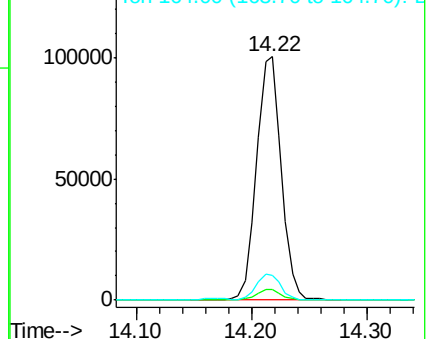
163 100

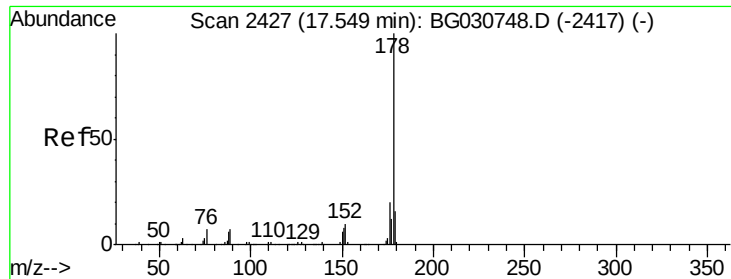
194 4.1 3.5 5.3

164 10.0 7.6 11.4



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





#69

Phenanthrene

Concen: 2.64 ng/ul

RT: 17.56 min Scan# 2428

Delta R.T. 0.01 min

Lab File: BG030760.D

Acq: 6 Nov 2017 4:44

Instrument :

BNA\_G

ClientSampleId :

B0EE8

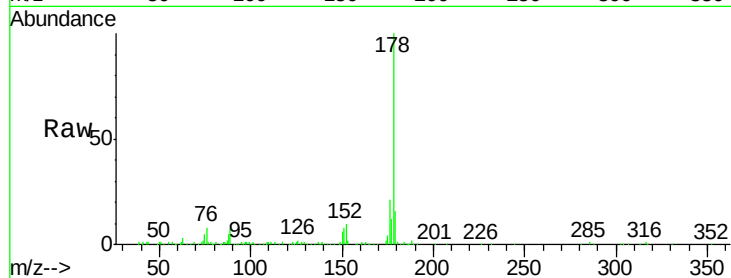
Tgt Ion:178 Resp: 92748

Ion Ratio Lower Upper

178 100

179 16.1 13.0 19.6

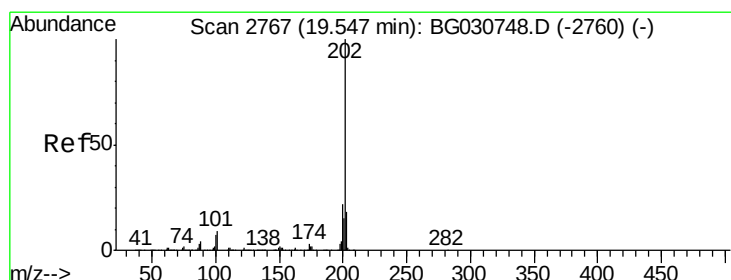
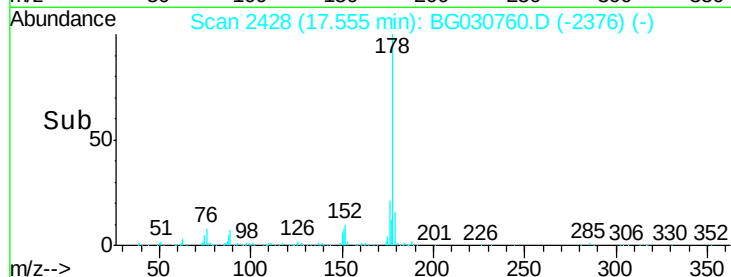
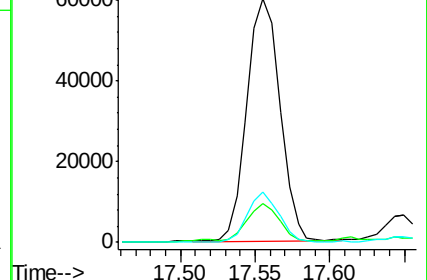
176 20.7 15.3 22.9



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



#74

Fluoranthene

Concen: 3.55 ng/ul

RT: 19.55 min Scan# 2768

Delta R.T. 0.01 min

Lab File: BG030760.D

Acq: 6 Nov 2017 4:44

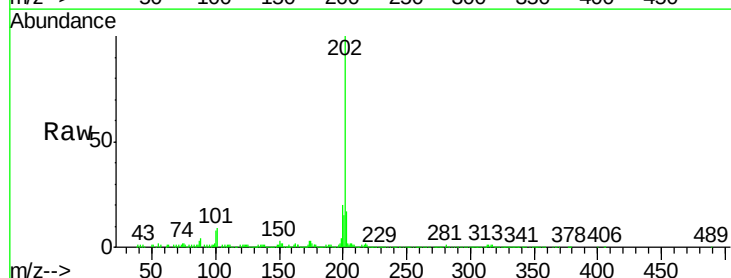
Tgt Ion:202 Resp: 139244

Ion Ratio Lower Upper

202 100

101 9.1 7.4 11.2

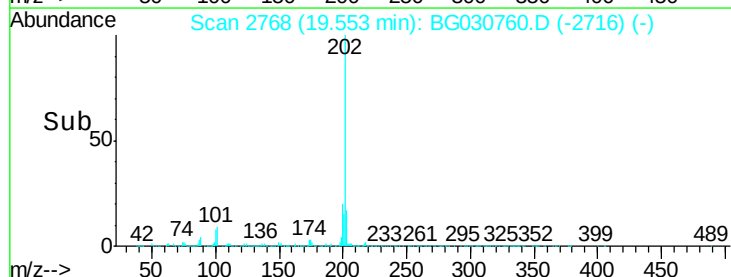
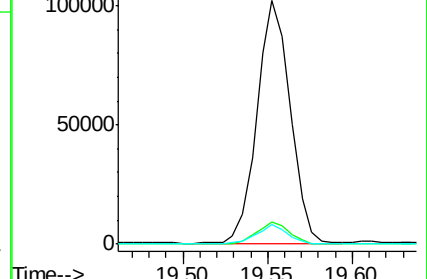
100 8.0 5.6 8.4

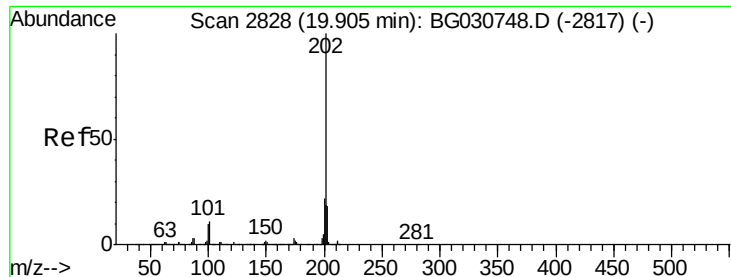


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 3.20 ng/ul

RT: 19.92 min Scan# 2830

Delta R.T. 0.01 min

Lab File: BG030760.D

Acq: 6 Nov 2017 4:44

Instrument :

BNA\_G

ClientSampleId :

B0EE8

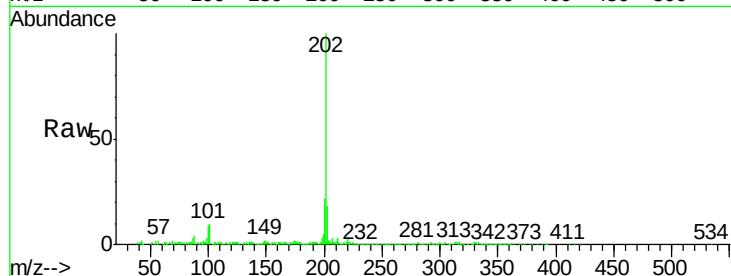
Tgt Ion:202 Resp: 140856

Ion Ratio Lower Upper

202 100

101 9.8 8.4 12.6

100 8.6 7.0 10.6

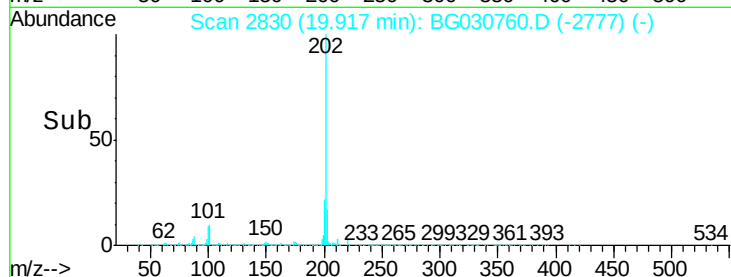


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

Time-->



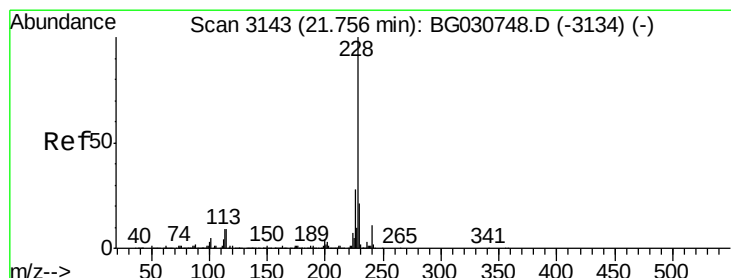
Abundance

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

Time-->



#80

Benzo(a)anthracene

Concen: 1.44 ng/ul

RT: 21.77 min Scan# 3145

Delta R.T. 0.01 min

Lab File: BG030760.D

Acq: 6 Nov 2017 4:44

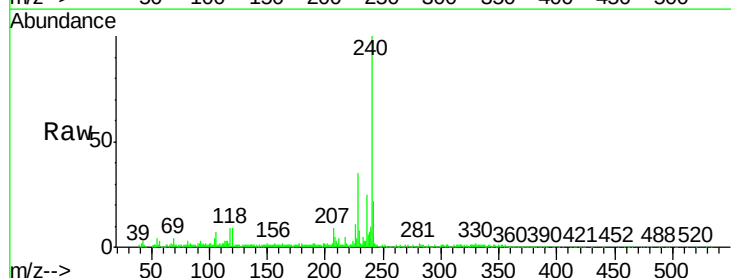
Tgt Ion:228 Resp: 59485

Ion Ratio Lower Upper

228 100

229 23.5 16.2 24.4

226 30.1 22.2 33.2

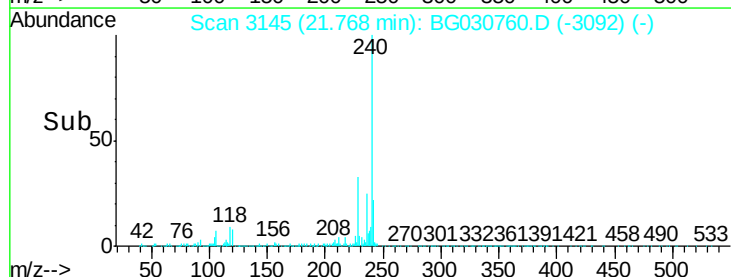


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

Time-->



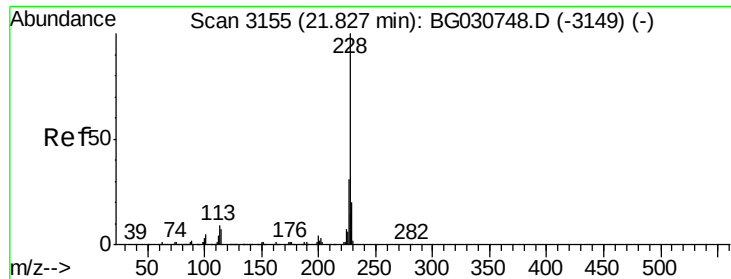
Abundance

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

Time-->



#82

Chrysene

Concen: 2.14 ng/ul

RT: 21.83 min Scan# 3156

Delta R.T. 0.01 min

Lab File: BG030760.D

Acq: 6 Nov 2017 4:44

Instrument :

BNA\_G

ClientSampleId :

B0EE8

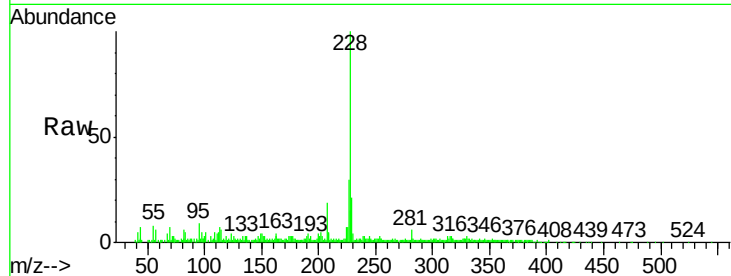
Tgt Ion:228 Resp: 80217

Ion Ratio Lower Upper

228 100

226 30.0 24.2 36.2

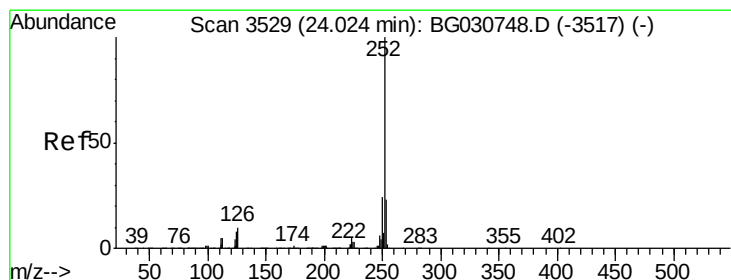
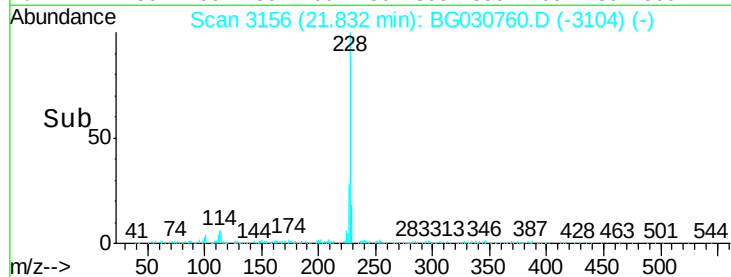
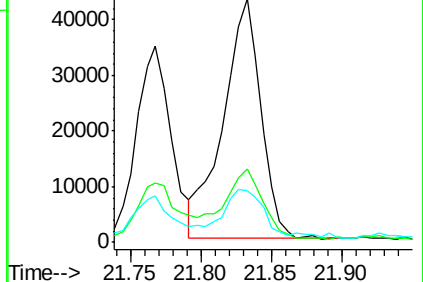
229 21.1 15.2 22.8



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



#85

Benzo(b)fluoranthene

Concen: 2.11 ng/ul

RT: 24.04 min Scan# 3532

Delta R.T. 0.02 min

Lab File: BG030760.D

Acq: 6 Nov 2017 4:44

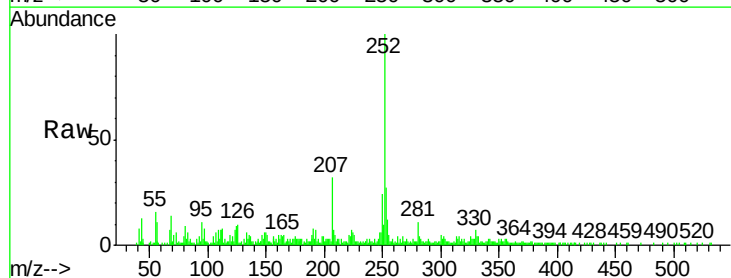
Tgt Ion:252 Resp: 85227

Ion Ratio Lower Upper

252 100

253 27.0 17.0 25.4#

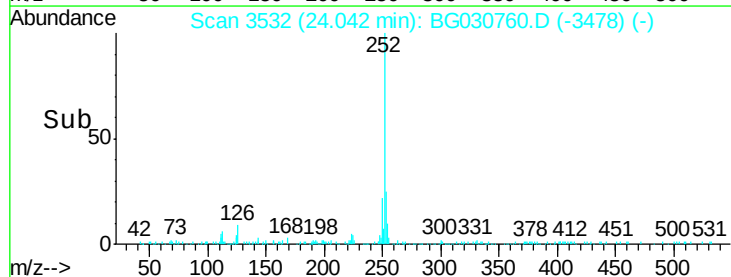
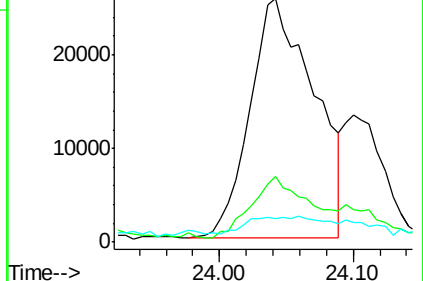
125 9.4 7.5 11.3

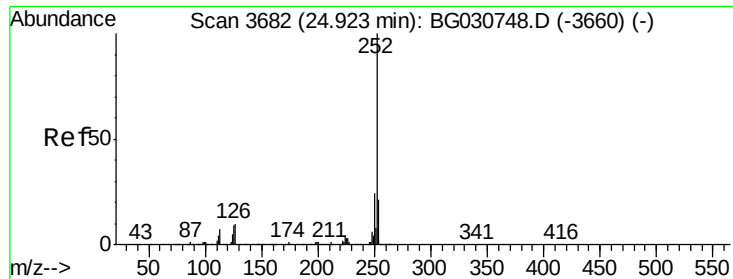


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 1.41 ng/ul

RT: 24.93 min Scan# 3684

Delta R.T. 0.01 min

Lab File: BG030760.D

Acq: 6 Nov 2017 4:44

Instrument :

BNA\_G

ClientSampleId :

B0EE8

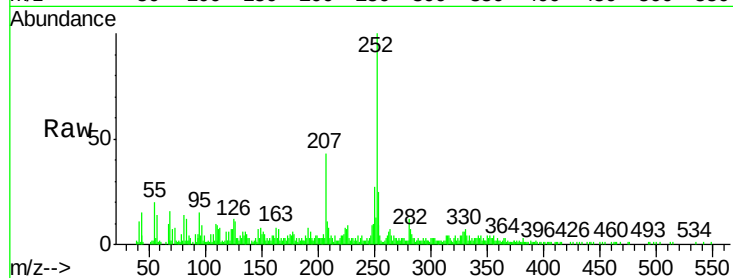
Tgt Ion:252 Resp: 55429

Ion Ratio Lower Upper

252 100

253 24.9 17.1 25.7

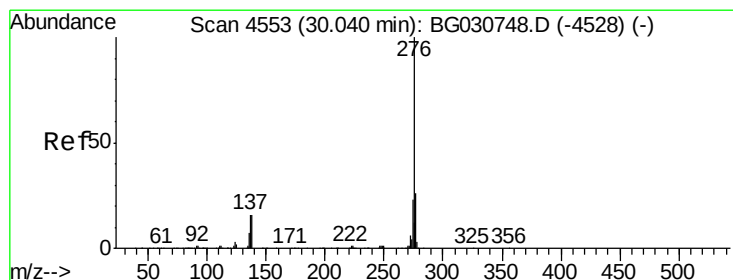
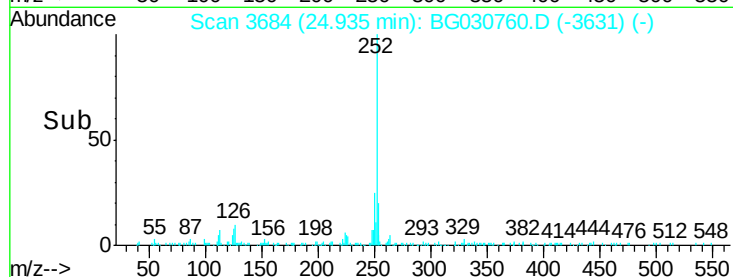
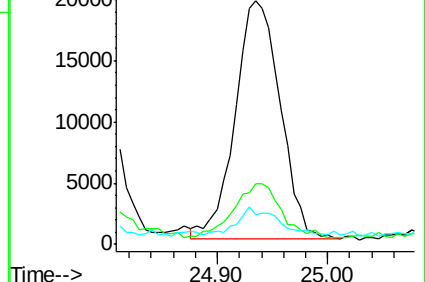
125 12.1 7.8 11.8#



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



#91

Benzo(g,h,i)perylene

Concen: 1.01 ng/ul

RT: 30.08 min Scan# 4559

Delta R.T. 0.04 min

Lab File: BG030760.D

Acq: 6 Nov 2017 4:44

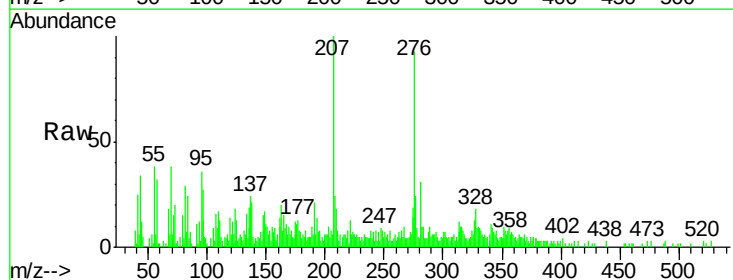
Tgt Ion:276 Resp: 37412

Ion Ratio Lower Upper

276 100

138 22.7 12.1 18.1#

277 25.5 17.7 26.5



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

