

Data File : BG042039.D  
Acq On : 7 Aug 2019 20:09  
Operator : HP/JU  
Sample : K4029-17  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BENT6

Quant Time: Aug 08 01:41:06 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 08 01:36:24 2019  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.02  | 152  | 68760    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.85 | 136  | 288412   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.69 | 164  | 209268   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.44 | 188  | 485402   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.72 | 240  | 477025   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 24.99 | 264  | 560357   | 20.00 | ng/ul | 0.00     |

System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.41  | 96  | 8256    | 5.25  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.18  | 99  | 148214  | 27.47 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.34  | 67  | 93992   | 31.14 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.55  | 132 | 147789  | 32.03 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.73  | 113 | 86622   | 19.12 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.19  | 128 | 78986   | 36.38 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.92  | 143 | 98788   | 39.19 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.47 | 165 | 164468  | 32.32 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.98 | 131 | 142166  | 25.18 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.09 | 166 | 597698  | 36.83 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.38 | 160 | 665352  | 35.89 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.87 | 143 | 61619   | 22.61 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.68 | 176 | 542248  | 37.55 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.80 | 200 | 84683   | 27.19 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.54 | 188 | 864119  | 37.11 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.83 | 212 | 954959  | 35.87 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 24.77 | 264 | 1073702 | 36.68 | ng/ul | 0.00 |

Target Compounds

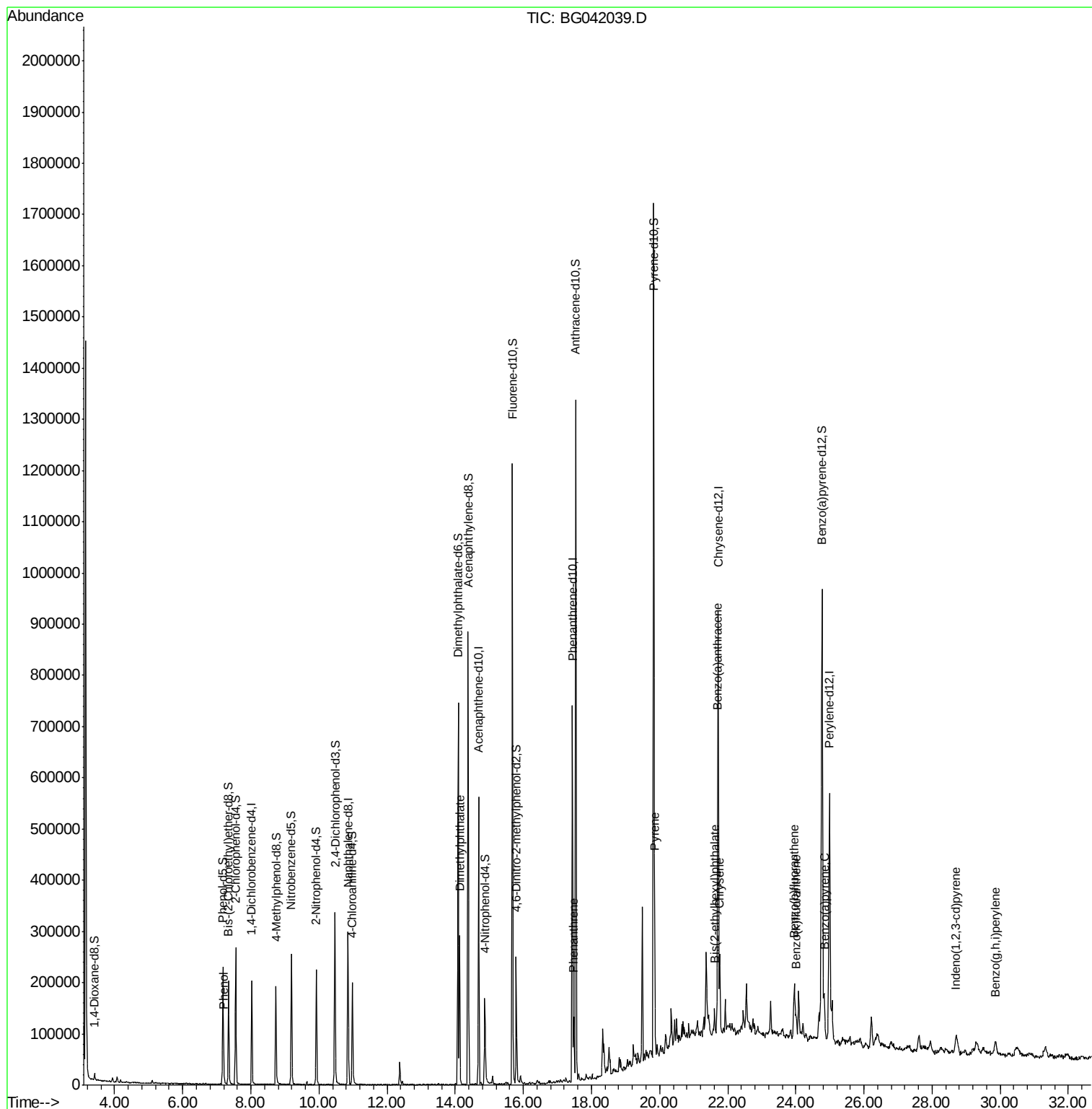
|                                |       |     |        |              | Qvalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 6) Phenol                      | 7.21  | 94  | 15884  | 2.852 ng/ul  | 96     |
| 44) Dimethylphthalate          | 14.13 | 163 | 221450 | 13.742 ng/ul | 100    |
| 69) Phenanthrene               | 17.48 | 178 | 89591  | 3.371 ng/ul  | 97     |
| 79) Pyrene                     | 19.86 | 202 | 190583 | 5.939 ng/ul# | 95     |
| 82) Benzo(a)anthracene         | 21.70 | 228 | 118885 | 3.594 ng/ul  | 99     |
| 83) Bis(2-ethylhexyl)phthalate | 21.61 | 149 | 23133  | 1.342 ng/ul# | 99     |
| 84) Chrysene                   | 21.77 | 228 | 118550 | 3.840 ng/ul  | 96     |
| 87) Benzo(b)fluoranthene       | 23.95 | 252 | 140794 | 4.004 ng/ul  | 98     |
| 88) Benzo(k)fluoranthene       | 24.01 | 252 | 49900  | 1.476 ng/ul  | 94     |
| 90) Benzo(a)pyrene             | 24.83 | 252 | 103055 | 3.075 ng/ul  | 99     |
| 91) Indeno(1,2,3-cd)pyrene     | 28.70 | 276 | 65582  | 1.678 ng/ul  | 99     |
| 93) Benzo(g,h,i)perylene       | 29.86 | 276 | 47216  | 1.447 ng/ul  | 96     |

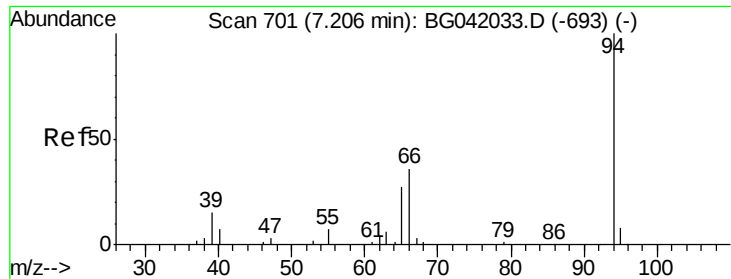
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : BG042039.D  
Acq On : 7 Aug 2019 20:09  
Operator : HP/JU  
Sample : K4029-17  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BENT6

Quant Time: Aug 08 01:41:06 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080319MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 08 01:36:24 2019  
Response via : Initial Calibration





#6

Phenol

Concen: 2.852 ng/ul

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG042039.D

Acq: 7 Aug 2019 20:09

Instrument :

BNA\_G

ClientSampleId :

BENT6

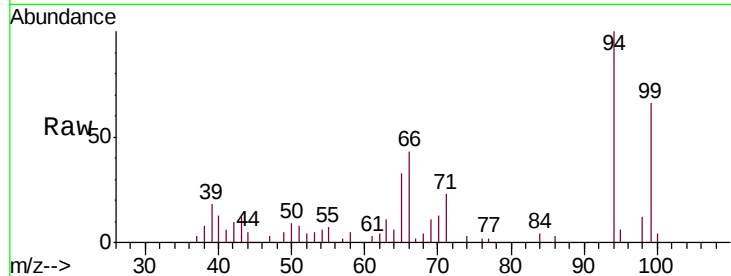
Tgt Ion: 94 Resp: 15884

Ion Ratio Lower Upper

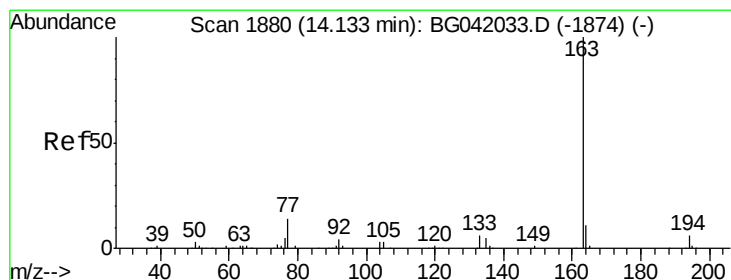
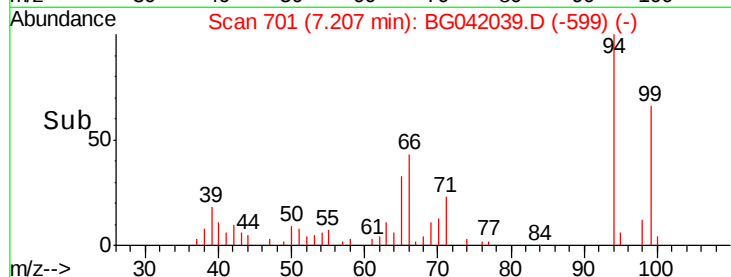
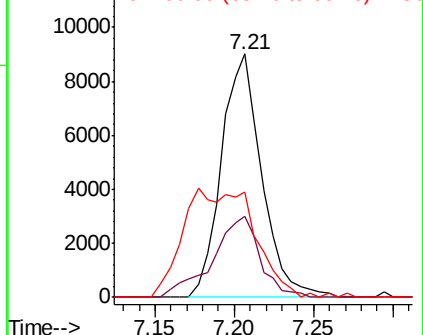
94 100

65 33.3 25.8 38.6

66 43.4 31.8 47.8



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: 13.742 ng/ul

RT: 14.13 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BG042039.D

Acq: 7 Aug 2019 20:09

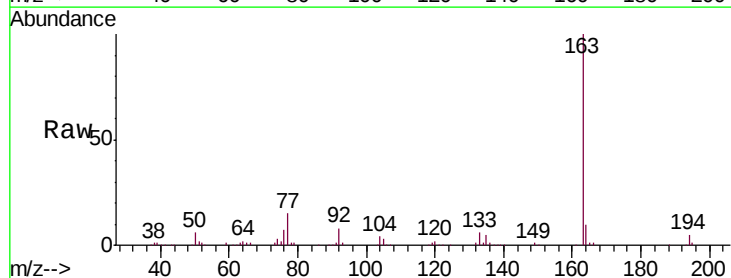
Tgt Ion: 163 Resp: 221450

Ion Ratio Lower Upper

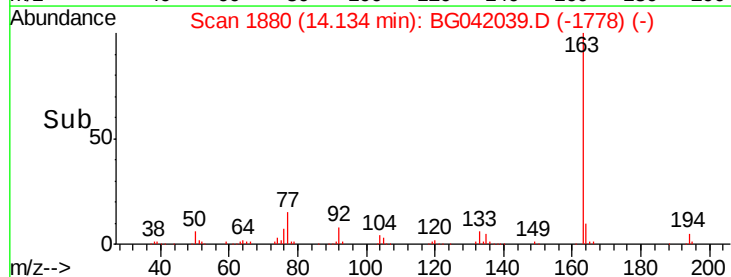
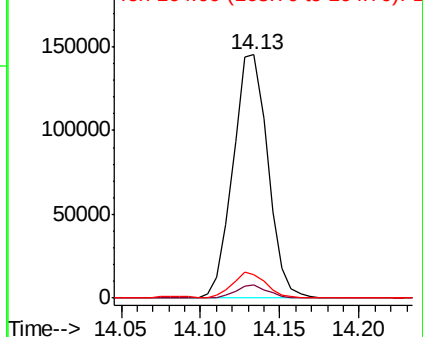
163 100

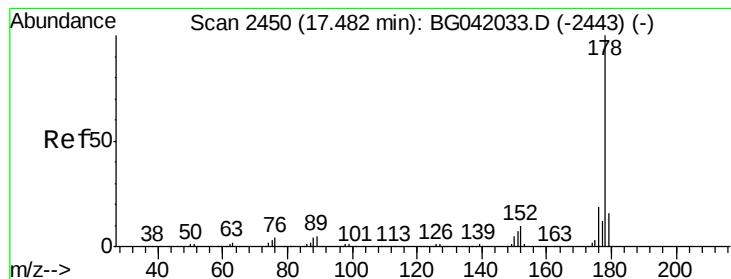
194 5.2 4.2 6.2

164 9.8 7.8 11.8



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: 3.371 ng/ul

RT: 17.48 min Scan# 2449

Delta R.T. -0.00 min

Lab File: BG042039.D

Acq: 7 Aug 2019 20:09

Instrument :

BNA\_G

ClientSampleId :

BENT6

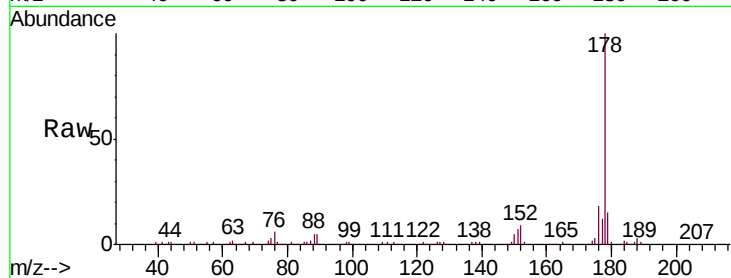
Tgt Ion:178 Resp: 89591

Ion Ratio Lower Upper

178 100

179 15.0 12.8 19.2

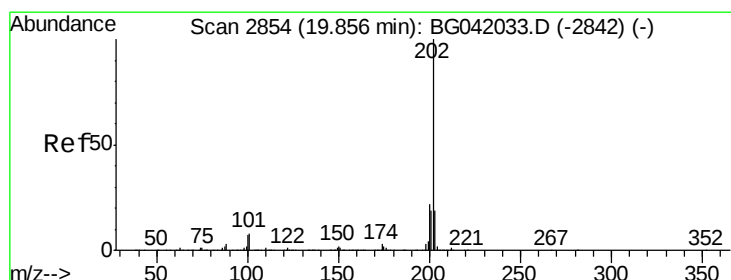
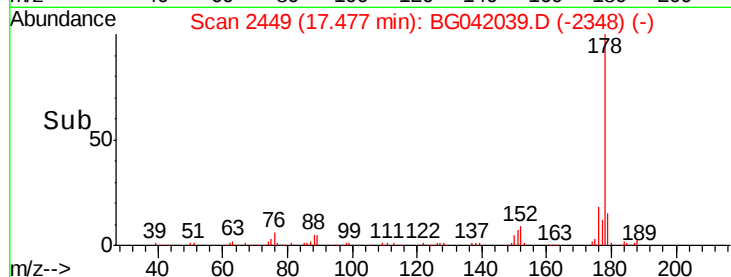
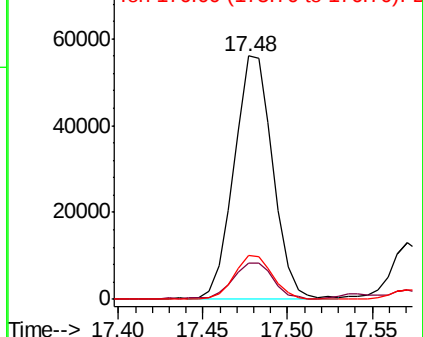
176 17.9 15.4 23.2



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



#79

Pyrene

Concen: 5.939 ng/ul

RT: 19.86 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BG042039.D

Acq: 7 Aug 2019 20:09

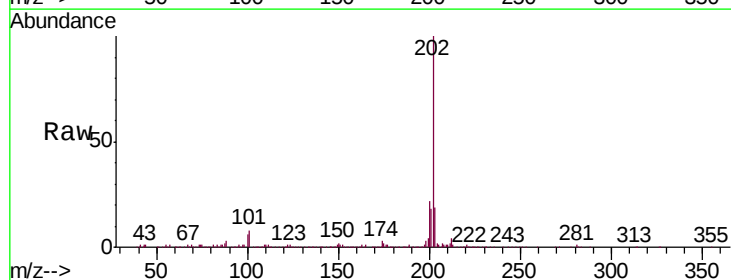
Tgt Ion:202 Resp: 190583

Ion Ratio Lower Upper

202 100

101 7.8 7.6 11.4

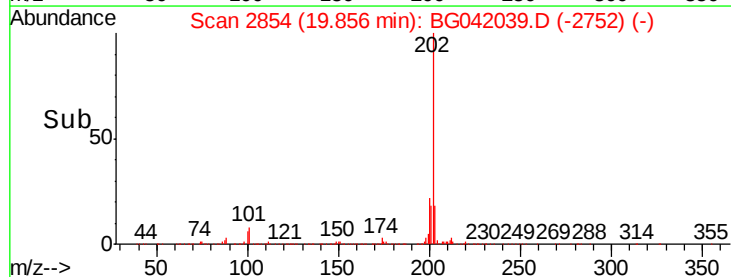
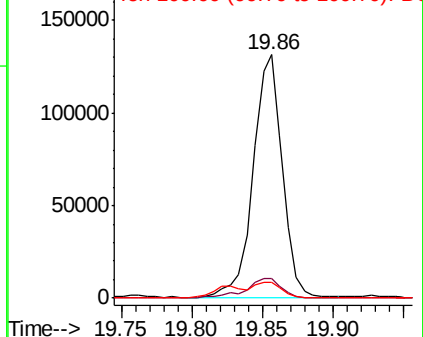
100 6.4 6.5 9.7#

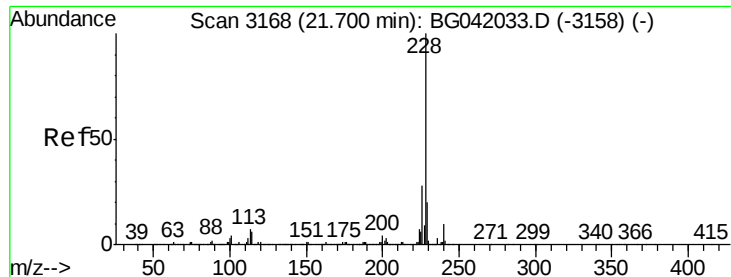


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 3.594 ng/ul

RT: 21.70 min Scan# 3168

Delta R.T. 0.00 min

Lab File: BG042039.D

Acq: 7 Aug 2019 20:09

Instrument :

BNA\_G

ClientSampleId :

BENT6

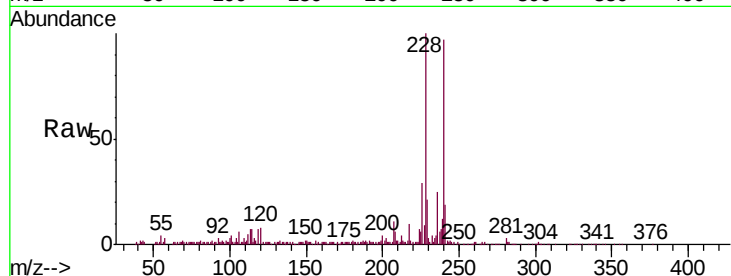
Tgt Ion:228 Resp: 118885

Ion Ratio Lower Upper

228 100

229 20.8 17.0 25.6

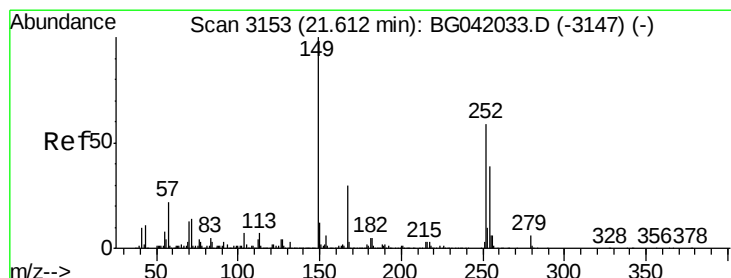
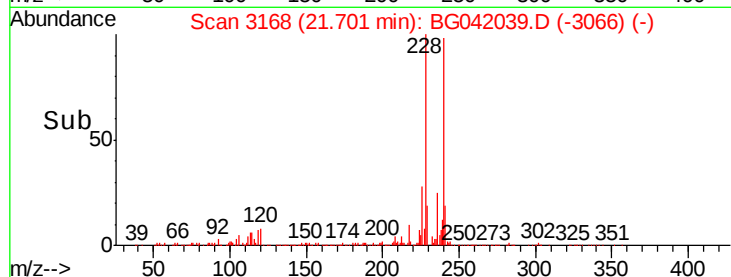
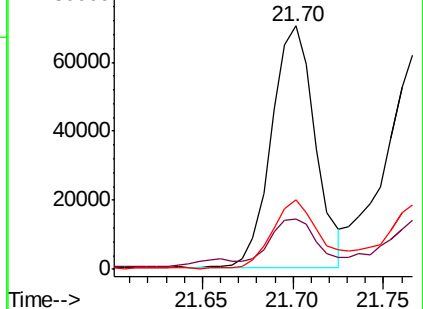
226 28.6 23.3 34.9



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 1.342 ng/ul

RT: 21.61 min Scan# 3153

Delta R.T. 0.00 min

Lab File: BG042039.D

Acq: 7 Aug 2019 20:09

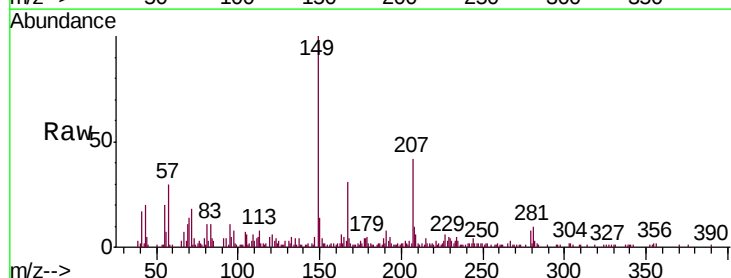
Tgt Ion:149 Resp: 23133

Ion Ratio Lower Upper

149 100

167 30.7 25.0 37.4

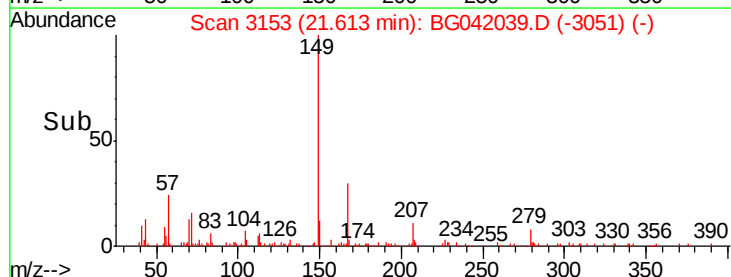
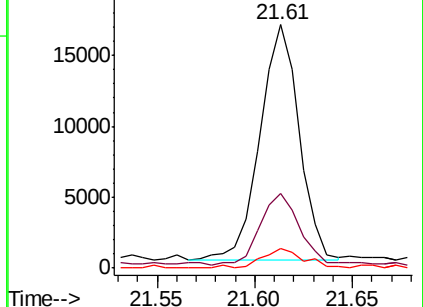
279 8.0 5.2 7.8#

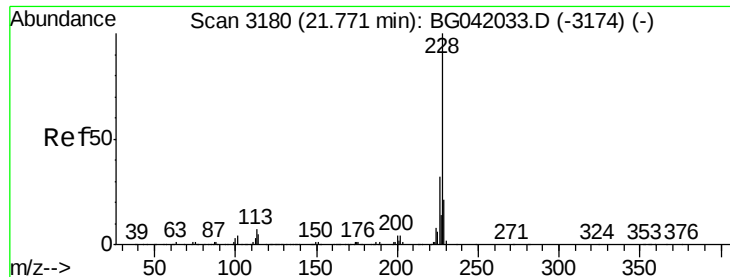


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 3.840 ng/ul

RT: 21.77 min Scan# 3179

Delta R.T. -0.00 min

Lab File: BG042039.D

Acq: 7 Aug 2019 20:09

Instrument :

BNA\_G

ClientSampleId :

BENT6

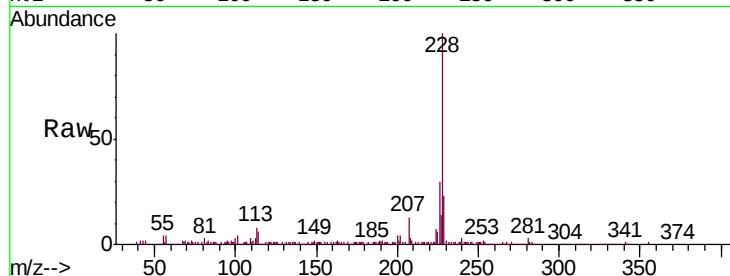
Tgt Ion:228 Resp: 118550

Ion Ratio Lower Upper

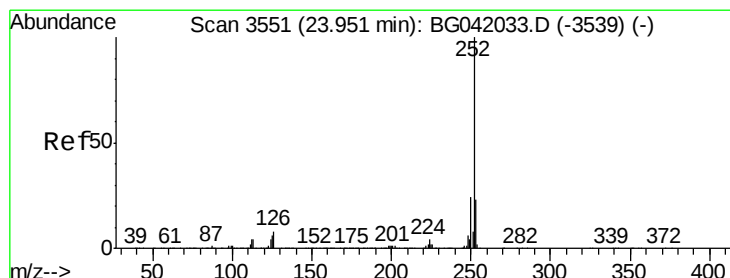
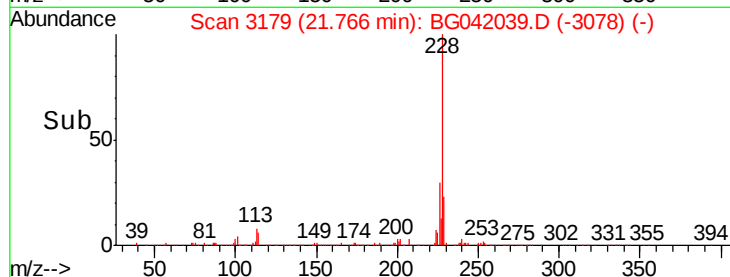
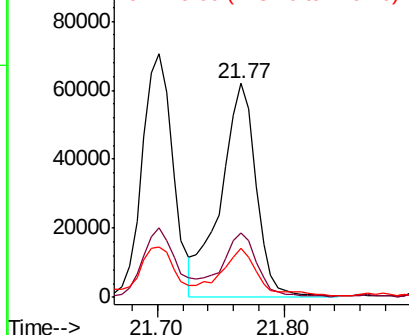
228 100

226 30.1 25.7 38.5

229 23.1 16.6 24.8



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



#87

Benzo(b)fluoranthene

Concen: 4.004 ng/ul

RT: 23.95 min Scan# 3551

Delta R.T. 0.00 min

Lab File: BG042039.D

Acq: 7 Aug 2019 20:09

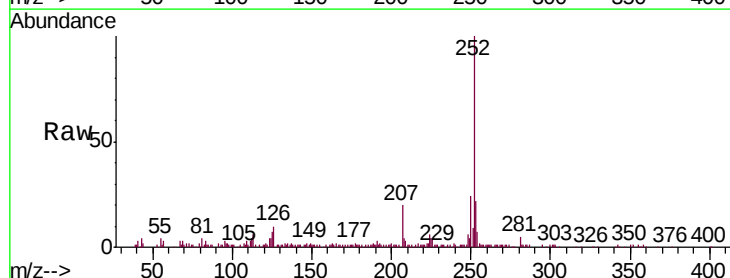
Tgt Ion:252 Resp: 140794

Ion Ratio Lower Upper

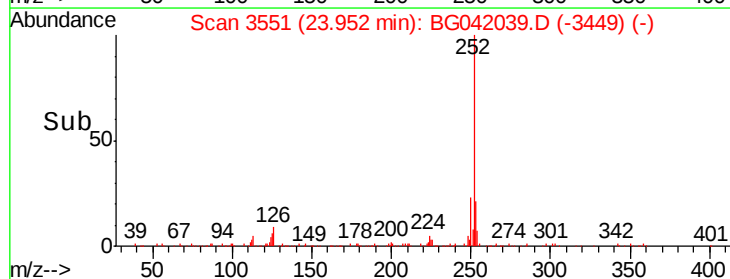
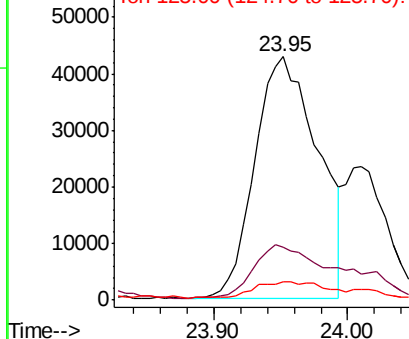
252 100

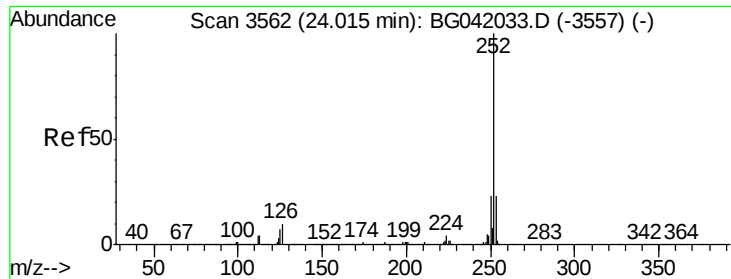
253 21.9 18.4 27.6

125 7.3 5.8 8.8



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





#88

Benzo(k)fluoranthene

Concen: 1.476 ng/ul

RT: 24.01 min Scan# 3561

Delta R.T. -0.00 min

Lab File: BG042039.D

Acq: 7 Aug 2019 20:09

Instrument :

BNA\_G

ClientSampled :

BENT6

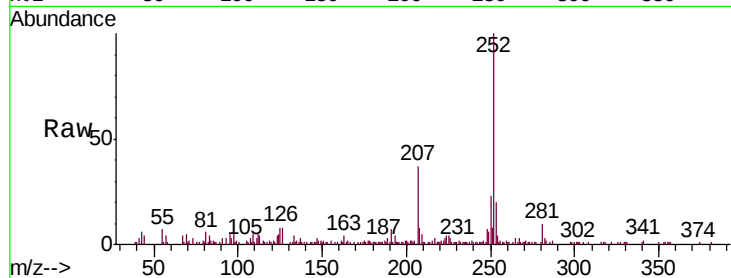
Tgt Ion:252 Resp: 49900

Ion Ratio Lower Upper

252 100

253 19.6 18.3 27.5

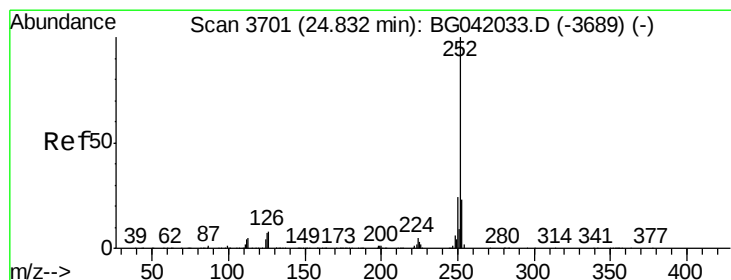
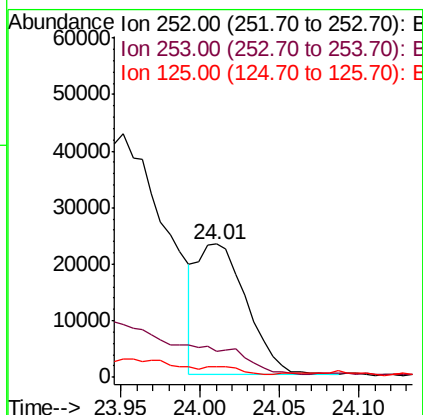
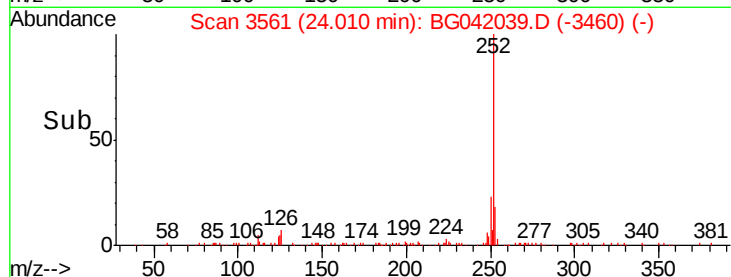
125 7.9 5.5 8.3



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



#90

Benzo(a)pyrene

Concen: 3.075 ng/ul

RT: 24.83 min Scan# 3701

Delta R.T. 0.00 min

Lab File: BG042039.D

Acq: 7 Aug 2019 20:09

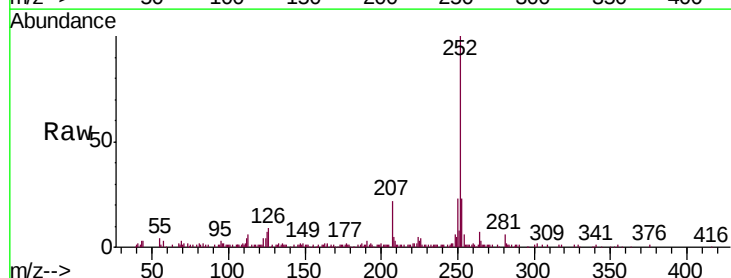
Tgt Ion:252 Resp: 103055

Ion Ratio Lower Upper

252 100

253 22.8 18.3 27.5

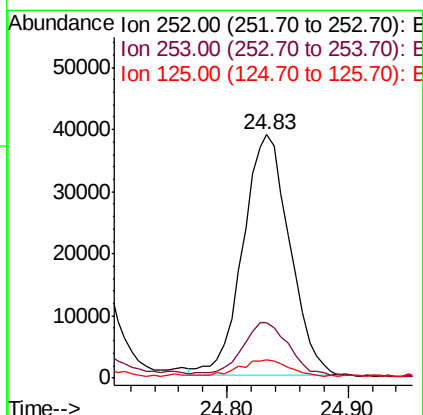
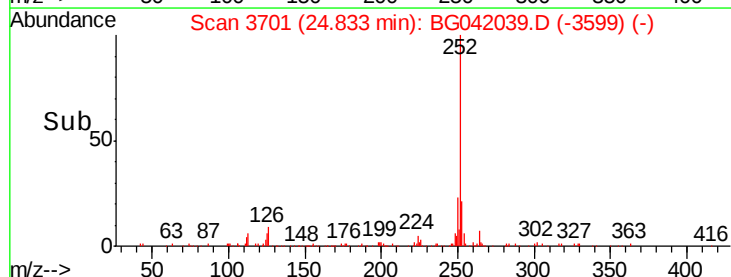
125 7.3 6.5 9.7

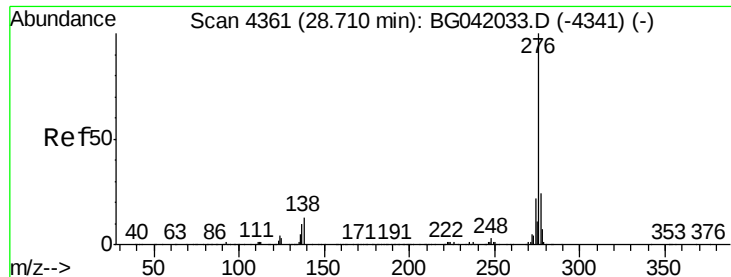


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Indeno(1,2,3-cd)pyrene

Concen: 1.678 ng/ul

RT: 28.70 min Scan# 4360

Delta R.T. -0.00 min

Lab File: BG042039.D

Acq: 7 Aug 2019 20:09

Instrument :

BNA\_G

ClientSampleId :

BENT6

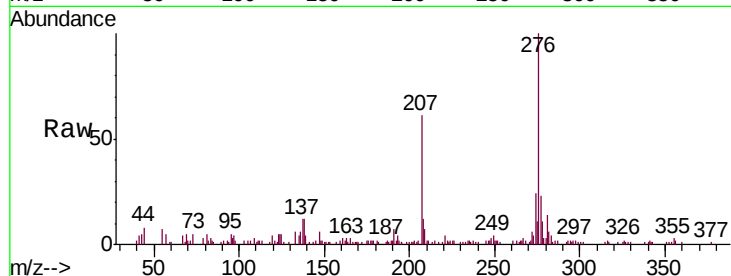
Tgt Ion:276 Resp: 65582

Ion Ratio Lower Upper

276 100

138 15.6 12.0 18.0

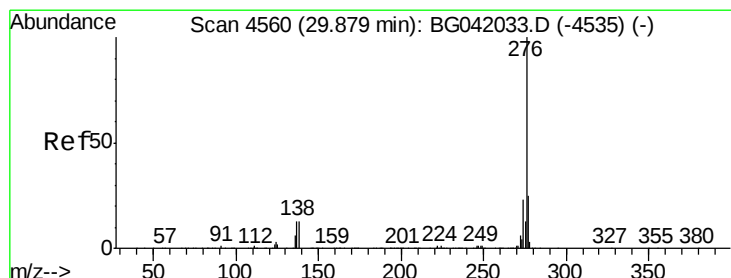
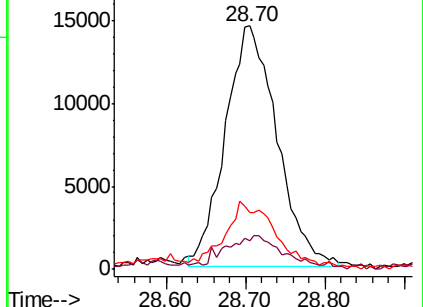
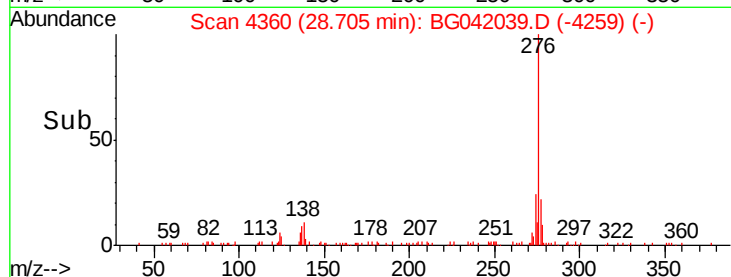
277 23.5 19.2 28.8



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



#93

Benzo(g,h,i)perylene

Concen: 1.447 ng/ul

RT: 29.86 min Scan# 4557

Delta R.T. -0.02 min

Lab File: BG042039.D

Acq: 7 Aug 2019 20:09

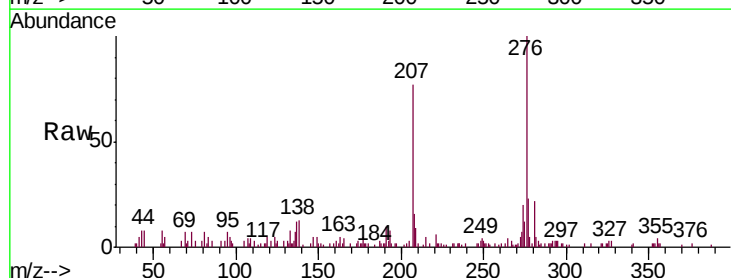
Tgt Ion:276 Resp: 47216

Ion Ratio Lower Upper

276 100

138 13.3 12.6 18.8

277 22.9 19.2 28.8



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

