

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG071123\  
 Data File : BG058167.D  
 Acq On : 11 Jul 2023 20:28  
 Operator : CG/JU  
 Sample : 03385-04  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EX7Y0

Quant Time: Jul 11 22:58:08 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG070123.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jul 10 16:52:40 2023  
 Response via : Initial Calibration

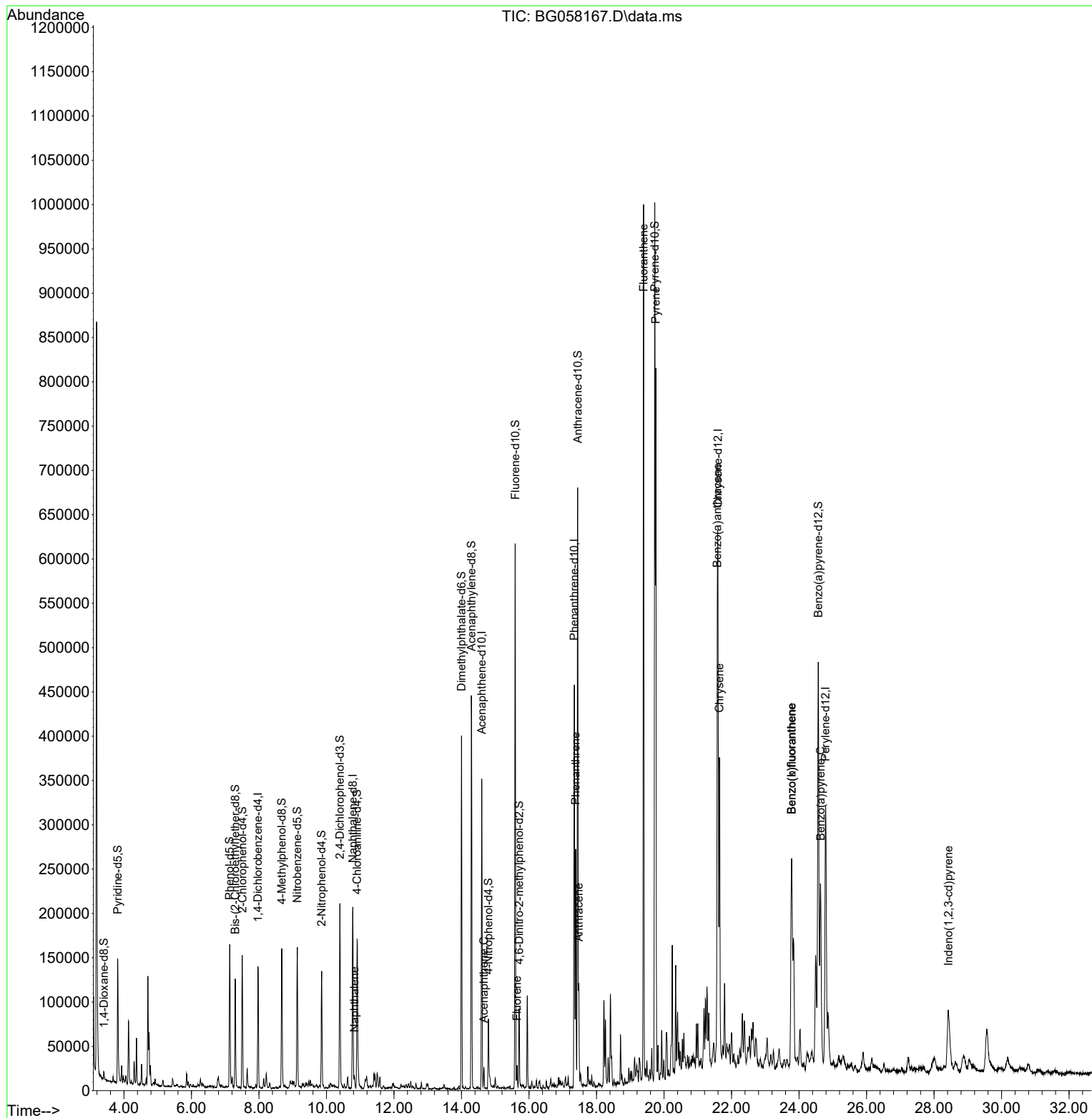
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.970  | 152  | 39224    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.778 | 136  | 175517   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.597 | 164  | 125101   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.341 | 188  | 297284   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.595 | 240  | 257473   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.785 | 264  | 313093   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.404  | 96   | 4579     | 4.088  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.810  | 84   | 81017    | 23.824 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.129  | 99   | 103131   | 25.746 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.294  | 67   | 59125    | 24.493 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.506  | 132  | 70690    | 25.587 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.675  | 113  | 64670    | 21.396 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.133  | 128  | 38850    | 27.158 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.856  | 143  | 44617    | 29.676 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.396 | 165  | 80950    | 28.067 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.907 | 131  | 96865    | 22.151 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.998 | 166  | 281815   | 28.551 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.292 | 160  | 310884   | 28.863 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.797 | 143  | 24984    | 14.326 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.590 | 176  | 253014   | 30.183 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.708 | 200  | 21715    | 13.452 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.441 | 188  | 404794   | 29.344 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.726 | 212  | 478311   | 29.497 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.568 | 264  | 494565   | 31.005 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 30) Naphthalene               | 10.825 | 128  | 11930    | 1.209  | ng/ul  | 98       |
| 52) Acenaphthene              | 14.662 | 153  | 10354    | 1.297  | ng/ul  | 95       |
| 61) Fluorene                  | 15.643 | 166  | 11500    | 1.235  | ng/ul  | 99       |
| 72) Phenanthrene              | 17.382 | 178  | 164583   | 10.884 | ng/ul  | 98       |
| 74) Anthracene                | 17.476 | 178  | 73286    | 4.789  | ng/ul  | 98       |
| 80) Fluoranthene              | 19.392 | 202  | 624473   | 33.234 | ng/ul  | 99       |
| 82) Pyrene                    | 19.756 | 202  | 511525   | 27.045 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.577 | 228  | 290186   | 15.697 | ng/ul  | 98       |
| 87) Chrysene                  | 21.642 | 228  | 251820   | 14.531 | ng/ul  | 98       |
| 90) Benzo(b)fluoranthene      | 23.781 | 252  | 298582   | 15.402 | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 23.781 | 252  | 298582   | 15.714 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.638 | 252  | 216374   | 12.610 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.428 | 276  | 130696   | 5.736  | ng/ul  | 95       |

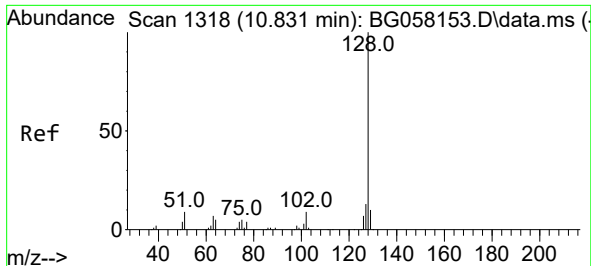
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jul 10 16:52:40 2023  
Response via : Initial Calibration

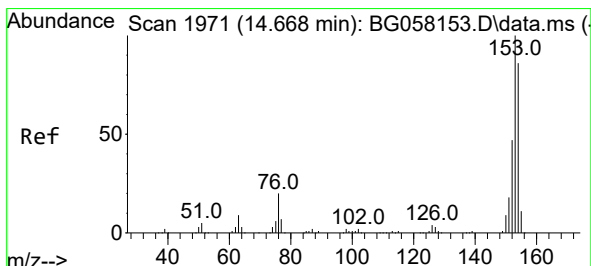
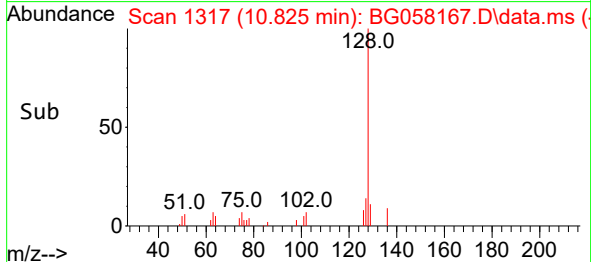
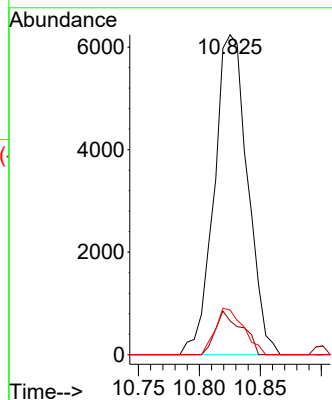
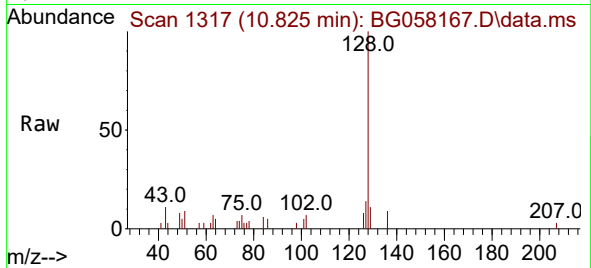




#30  
Naphthalene  
Concen: 1.209 ng/ul  
RT: 10.825 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BG058167.D  
Acq: 11 Jul 2023 20:28

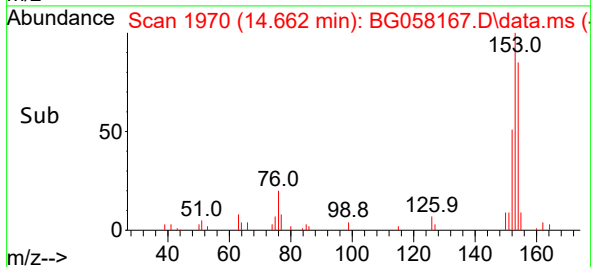
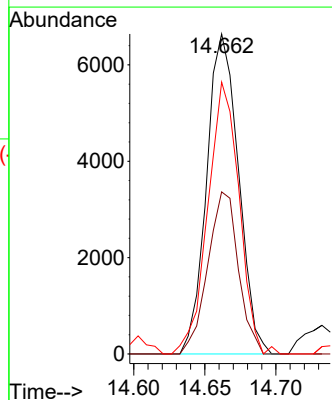
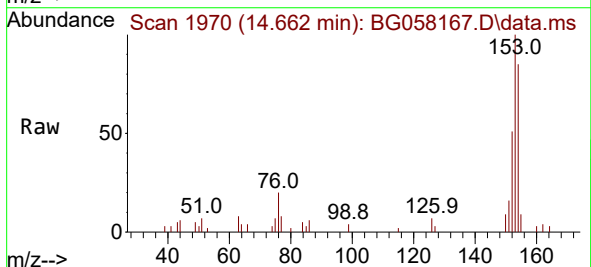
Instrument :  
BNA\_G  
ClientSampleId :  
EX7Y0

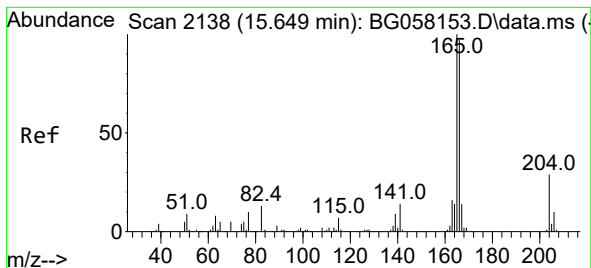
Tgt Ion:128 Resp: 11930  
Ion Ratio Lower Upper  
128 100  
129 10.5 8.6 12.8  
127 14.0 10.2 15.2



#52  
Acenaphthene  
Concen: 1.297 ng/ul  
RT: 14.662 min Scan# 1970  
Delta R.T. -0.000 min  
Lab File: BG058167.D  
Acq: 11 Jul 2023 20:28

Tgt Ion:153 Resp: 10354  
Ion Ratio Lower Upper  
153 100  
152 50.7 36.5 54.7  
154 85.0 70.5 105.7





#61

Fluorene

Concen: 1.235 ng/ul

RT: 15.643 min Scan# 2138

Delta R.T. -0.006 min

Lab File: BG058167.D

Acq: 11 Jul 2023 20:28

Instrument :

BNA\_G

ClientSampleId :

EX7Y0

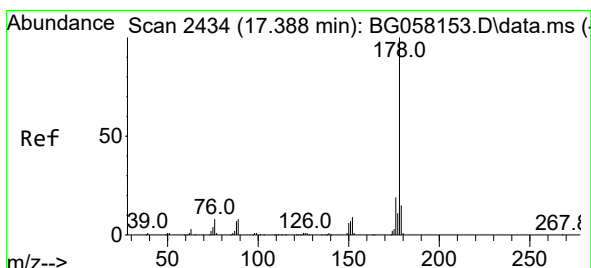
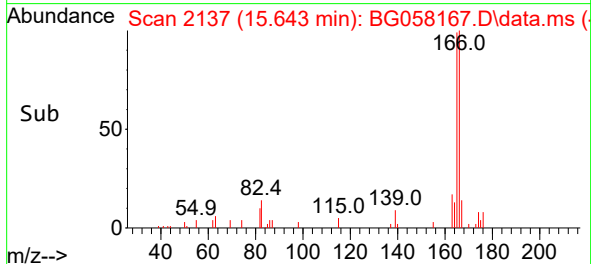
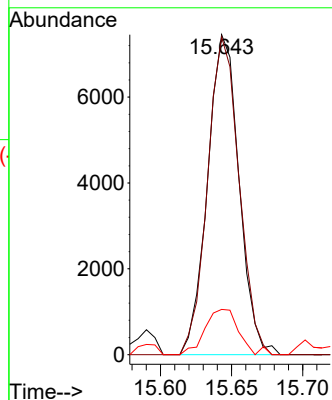
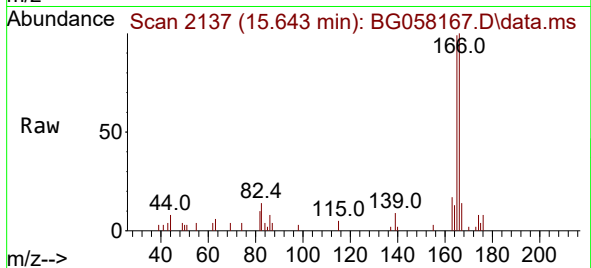
Tgt Ion:166 Resp: 11500

Ion Ratio Lower Upper

166 100

165 99.3 79.1 118.7

167 14.2 10.7 16.1



#72

Phenanthrene

Concen: 10.884 ng/ul

RT: 17.382 min Scan# 2433

Delta R.T. -0.000 min

Lab File: BG058167.D

Acq: 11 Jul 2023 20:28

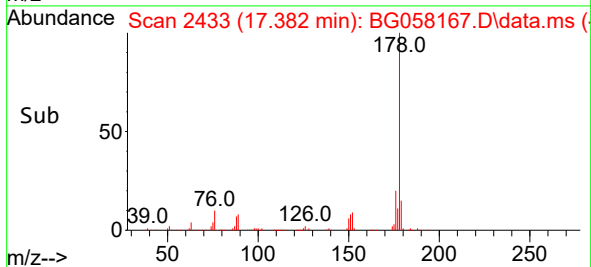
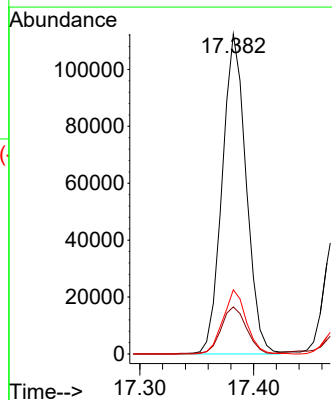
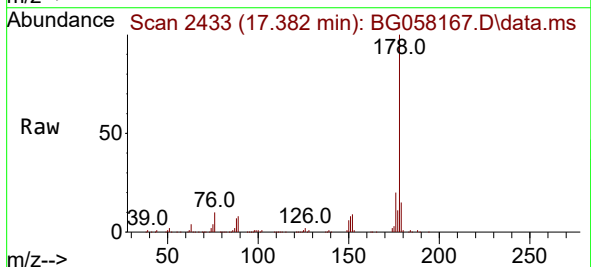
Tgt Ion:178 Resp: 164583

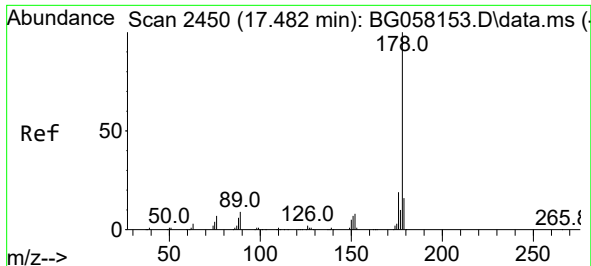
Ion Ratio Lower Upper

178 100

179 14.7 12.8 19.2

176 20.0 15.7 23.5

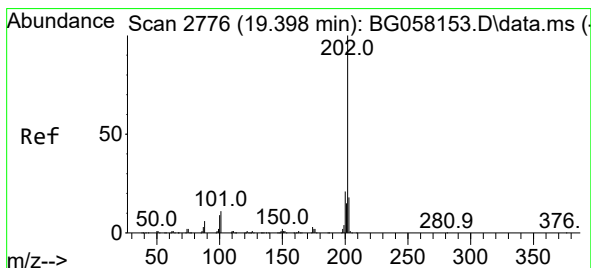
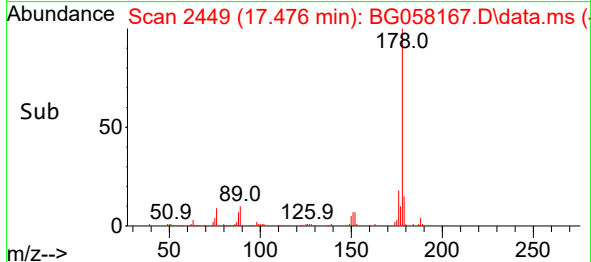
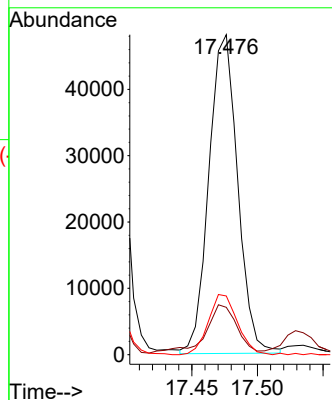
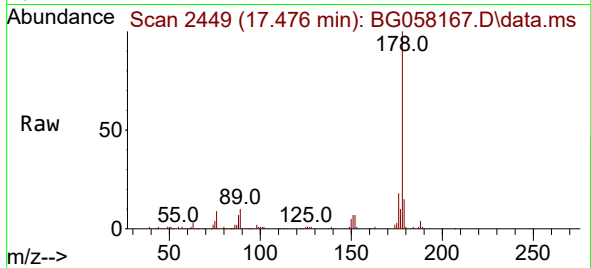




#74  
 Anthracene  
 Concen: 4.789 ng/ul  
 RT: 17.476 min Scan# 2449  
 Delta R.T. -0.000 min  
 Lab File: BG058167.D  
 Acq: 11 Jul 2023 20:28

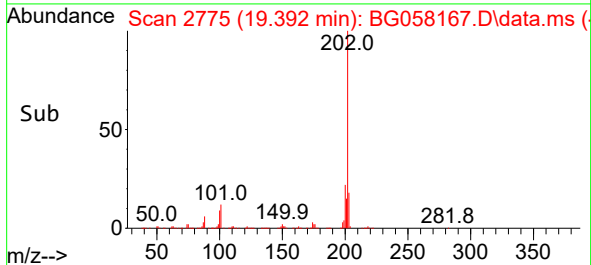
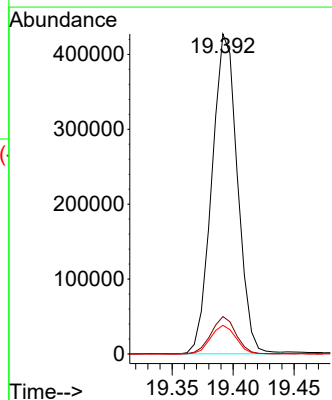
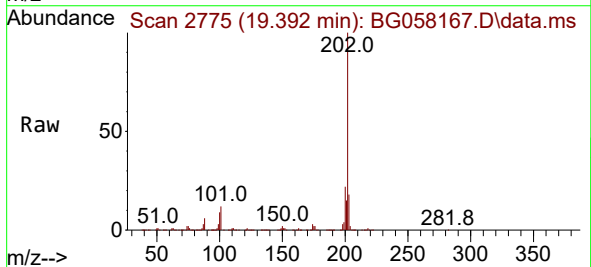
Instrument :  
 BNA\_G  
 ClientSampleId :  
 EX7Y0

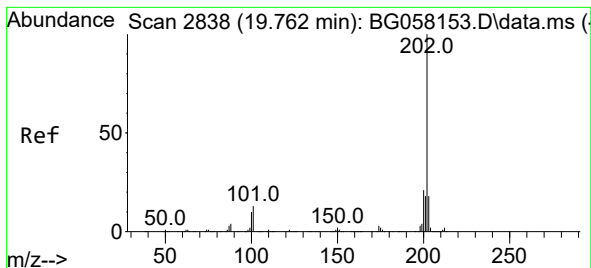
Tgt Ion:178 Resp: 73286  
 Ion Ratio Lower Upper  
 178 100  
 179 14.8 12.6 18.8  
 176 18.3 15.4 23.2



#80  
 Fluoranthene  
 Concen: 33.234 ng/ul  
 RT: 19.392 min Scan# 2775  
 Delta R.T. -0.000 min  
 Lab File: BG058167.D  
 Acq: 11 Jul 2023 20:28

Tgt Ion:202 Resp: 624473  
 Ion Ratio Lower Upper  
 202 100  
 101 11.7 9.1 13.7  
 100 9.0 7.1 10.7





#82

Pyrene

Concen: 27.045 ng/ul

RT: 19.756 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG058167.D

Acq: 11 Jul 2023 20:28

Instrument :

BNA\_G

ClientSampleId :

EX7Y0

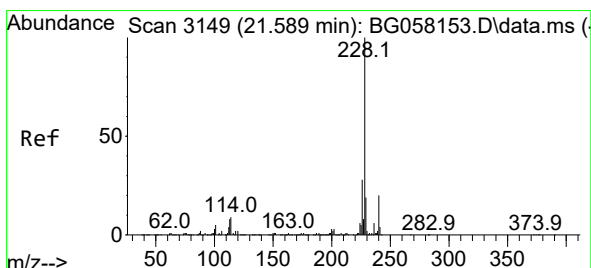
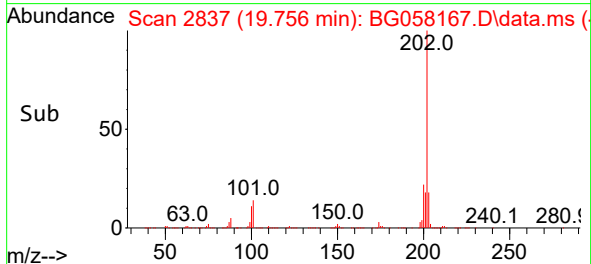
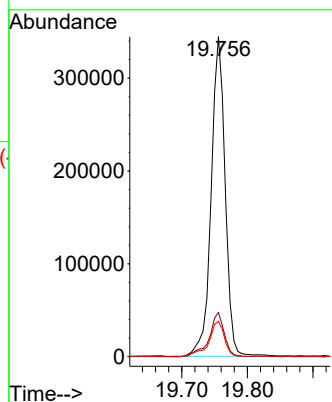
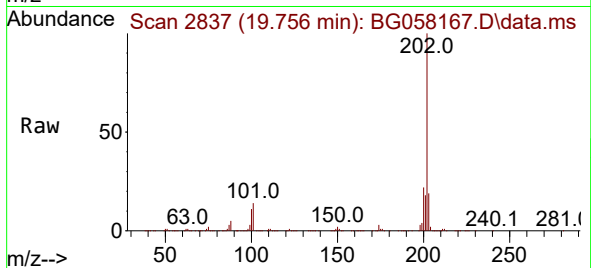
Tgt Ion:202 Resp: 511525

Ion Ratio Lower Upper

202 100

101 13.8 10.2 15.2

100 11.0 8.9 13.3



#85

Benzo(a)anthracene

Concen: 15.697 ng/ul

RT: 21.577 min Scan# 3147

Delta R.T. -0.000 min

Lab File: BG058167.D

Acq: 11 Jul 2023 20:28

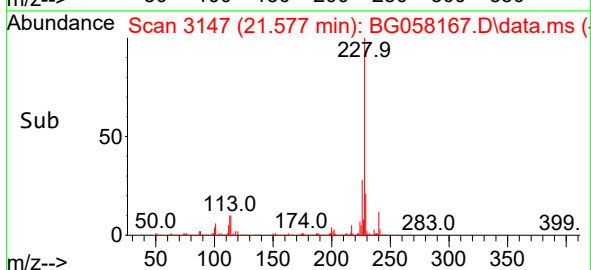
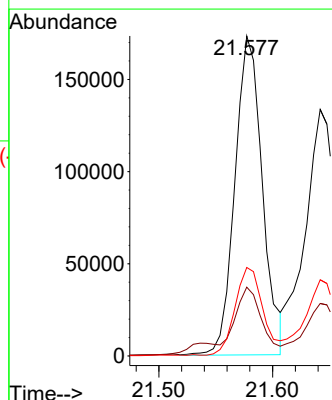
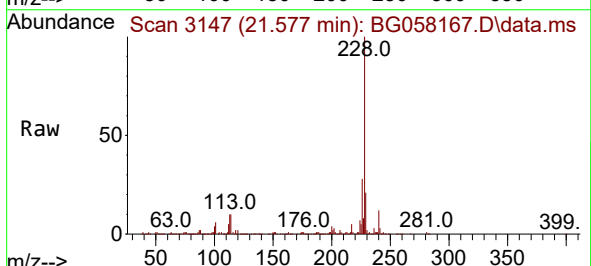
Tgt Ion:228 Resp: 290186

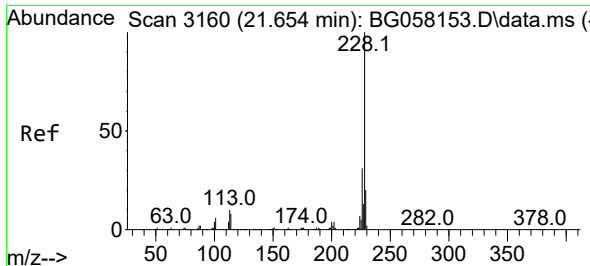
Ion Ratio Lower Upper

228 100

229 21.5 16.0 24.0

226 27.6 22.0 33.0





#87

Chrysene

Concen: 14.531 ng/ul

RT: 21.642 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG058167.D

Acq: 11 Jul 2023 20:28

Instrument :

BNA\_G

ClientSampleId :

EX7Y0

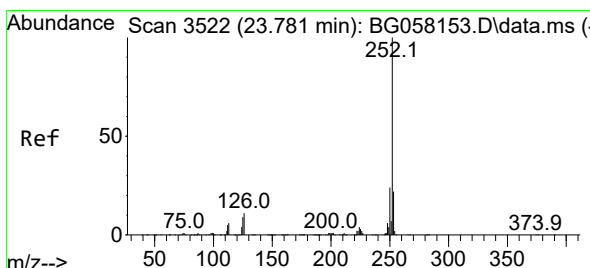
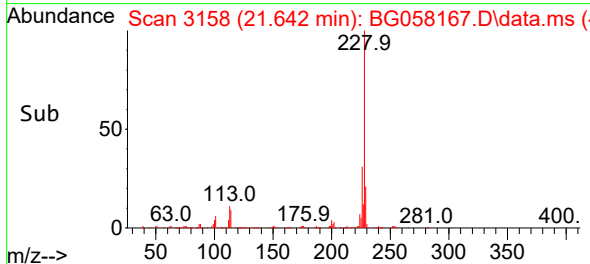
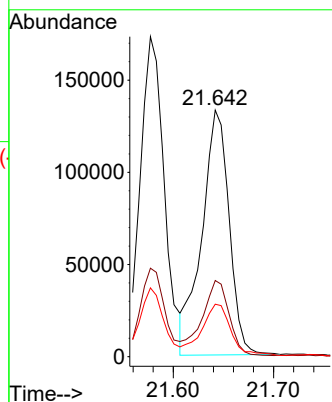
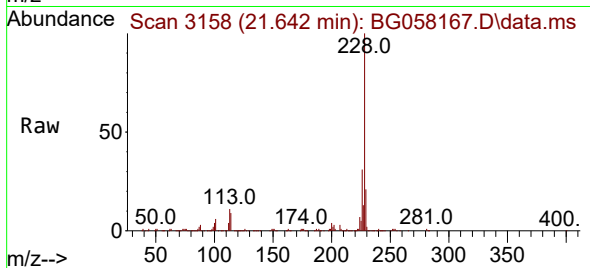
Tgt Ion:228 Resp: 251820

Ion Ratio Lower Upper

228 100

226 30.9 24.4 36.6

229 21.3 15.5 23.3



#90

Benzo(b)fluoranthene

Concen: 15.402 ng/ul

RT: 23.781 min Scan# 3522

Delta R.T. 0.012 min

Lab File: BG058167.D

Acq: 11 Jul 2023 20:28

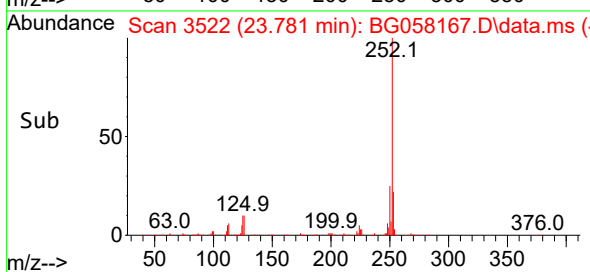
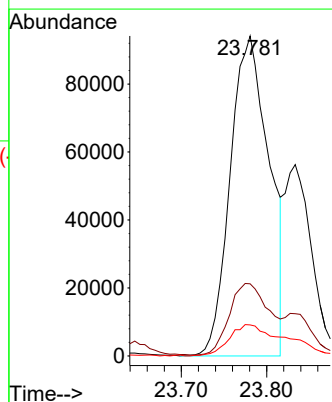
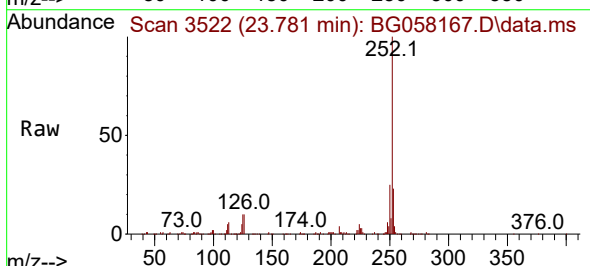
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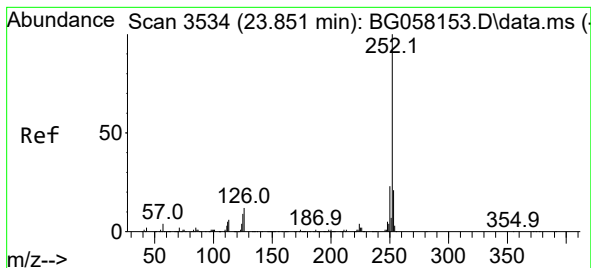
Ion Ratio Lower Upper

252 100

253 22.5 18.1 27.1

125 9.7 7.5 11.3





#91

Benzo(k)fluoranthene

Concen: 15.714 ng/ul

RT: 23.781 min Scan# 3

Delta R.T. -0.059 min

Lab File: BG058167.D

Acq: 11 Jul 2023 20:28

Instrument :

BNA\_G

ClientSampleId :

EX7Y0

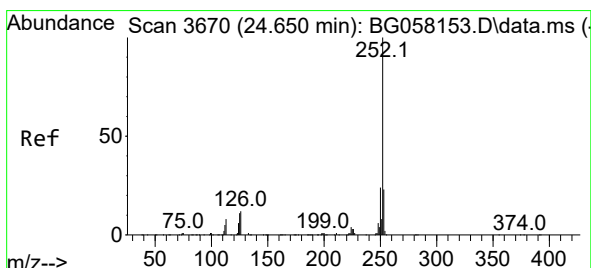
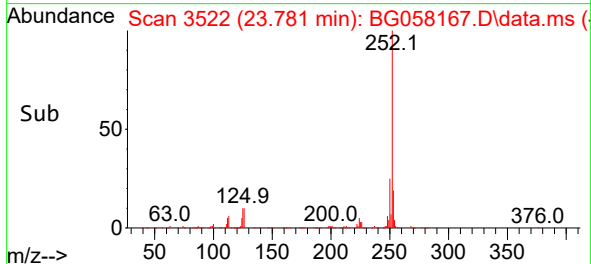
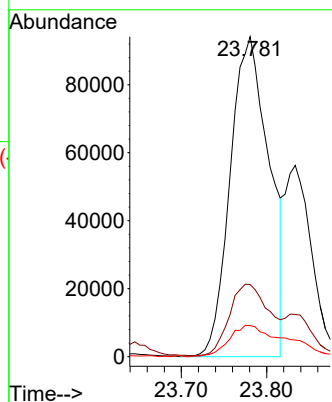
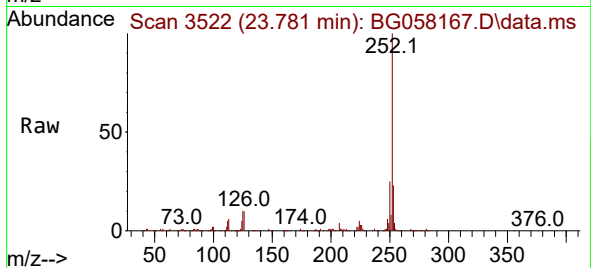
Tgt Ion:252 Resp: 298582

Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

125 9.7 7.4 11.2



#93

Benzo(a)pyrene

Concen: 12.610 ng/ul

RT: 24.638 min Scan# 3668

Delta R.T. -0.000 min

Lab File: BG058167.D

Acq: 11 Jul 2023 20:28

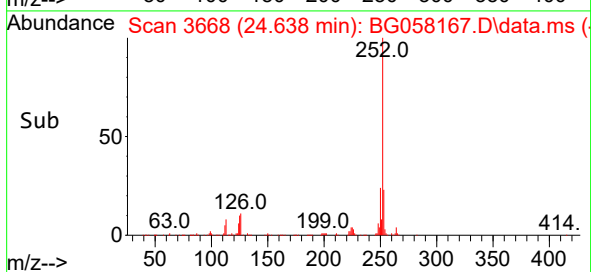
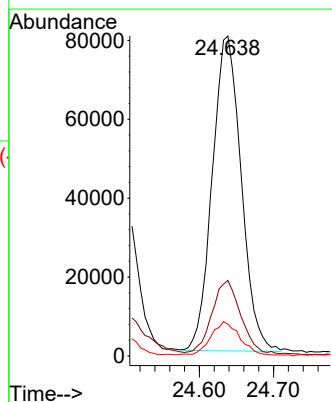
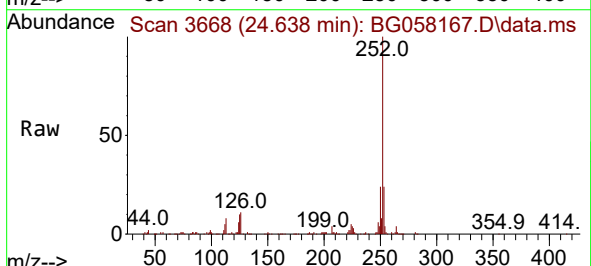
Tgt Ion:252 Resp: 216374

Ion Ratio Lower Upper

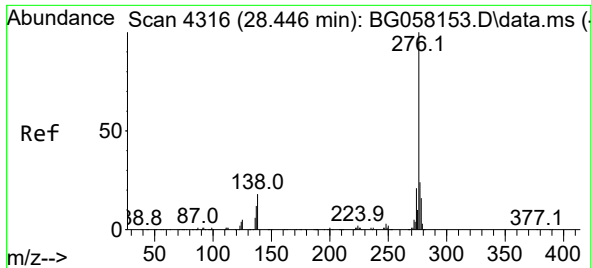
252 100

253 23.6 17.8 26.6

125 9.9 8.3 12.5

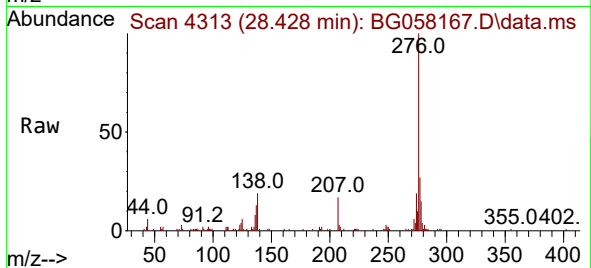






#94  
 Indeno(1,2,3-cd)pyrene  
 Concen: 5.736 ng/ul  
 RT: 28.428 min Scan# 41  
 Delta R.T. 0.006 min  
 Lab File: BG058167.D  
 Acq: 11 Jul 2023 20:28

Instrument :  
 BNA\_G  
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 EX7Y0



Tgt Ion:276 Resp: 130696  
 Ion Ratio Lower Upper  
 276 100  
 138 19.5 14.0 21.0  
 277 27.0 19.4 29.2

