

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG042823\  
 Data File : BG057226.D  
 Acq On : 28 Apr 2023 20:51  
 Operator : CG/JU  
 Sample : 02417-23  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EW906

Quant Time: Apr 29 00:54:55 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG042823.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 28 23:37:02 2023  
 Response via : Initial Calibration

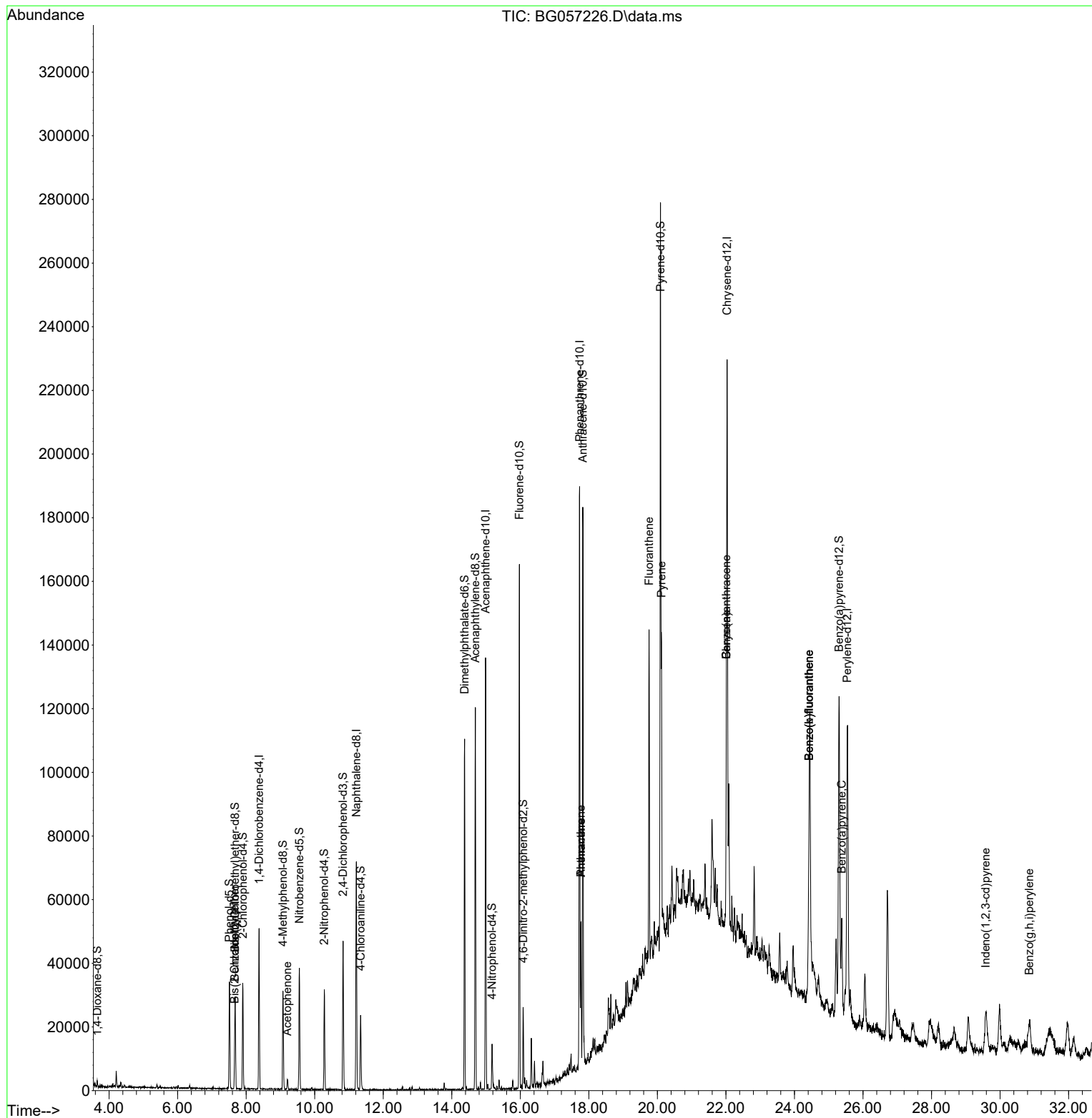
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.378  | 152  | 13763    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 11.215 | 136  | 60160    | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.986 | 164  | 49638    | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.730 | 188  | 119451   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 22.036 | 240  | 104761   | 20.000 | ng/ul  | # 0.00   |
| 88) Perylene-d12              | 25.543 | 264  | 111511   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.655  | 96   | 872      | 2.788  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.142  | 84   | 65       | 0.066  | ng/ul  | 0.04     |
| 7) Phenol-d5                  | 7.508  | 99   | 19872    | 15.268 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.679  | 67   | 13683    | 17.873 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.902  | 132  | 15205    | 17.727 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 9.071  | 113  | 12484    | 12.620 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.553  | 128  | 8486     | 17.713 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.281 | 143  | 9808     | 17.542 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.827 | 165  | 18683    | 17.320 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.338 | 131  | 14253    | 9.969  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.375 | 166  | 74205    | 18.867 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.687 | 160  | 85088    | 19.248 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.174 | 143  | 4186     | 7.312  | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.973 | 176  | 69874    | 19.070 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 16.085 | 200  | 7394     | 10.448 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.824 | 188  | 110516   | 20.269 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 20.091 | 212  | 126156   | 20.288 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.302 | 264  | 115881   | 20.397 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 6) Benzaldehyde               | 7.667  | 77   | 1516     | 3.814  | ng/ul# | 1        |
| 10) Bis(2-Chloroethyl)ether   | 7.661  | 93   | 3370     | 3.432  | ng/ul# | 17       |
| 16) Acetophenone              | 9.200  | 105  | 2228     | 1.309  | ng/ul# | 78       |
| 72) Phenanthrene              | 17.771 | 178  | 27811    | 4.471  | ng/ul  | 99       |
| 74) Anthracene                | 17.771 | 178  | 27811    | 4.451  | ng/ul  | 98       |
| 80) Fluoranthene              | 19.756 | 202  | 68106    | 9.220  | ng/ul# | 97       |
| 82) Pyrene                    | 20.121 | 202  | 60935    | 8.149  | ng/ul# | 97       |
| 85) Benzo(a)anthracene        | 22.012 | 228  | 36858    | 4.975  | ng/ul  | 97       |
| 87) Chrysene                  | 22.012 | 228  | 36342    | 5.199  | ng/ul  | 95       |
| 90) Benzo(b)fluoranthene      | 24.427 | 252  | 50115    | 6.490  | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 24.427 | 252  | 50115    | 6.671  | ng/ul# | 96       |
| 93) Benzo(a)pyrene            | 25.378 | 252  | 31653    | 4.748  | ng/ul  | 94       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.578 | 276  | 15103    | 1.812  | ng/ul# | 95       |
| 96) Benzo(g,h,i)perylene      | 30.853 | 276  | 18051    | 2.676  | ng/ul  | 95       |

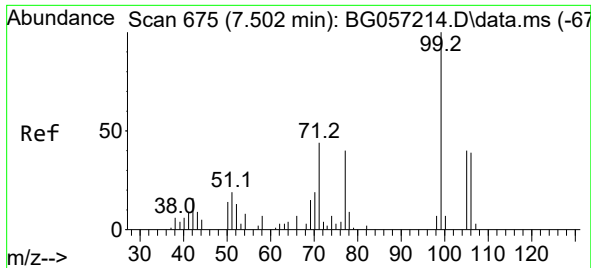
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG042823\  
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Quant Title : SVOA CALIBRATION  
QLast Update : Fri Apr 28 23:37:02 2023  
Response via : Initial Calibration

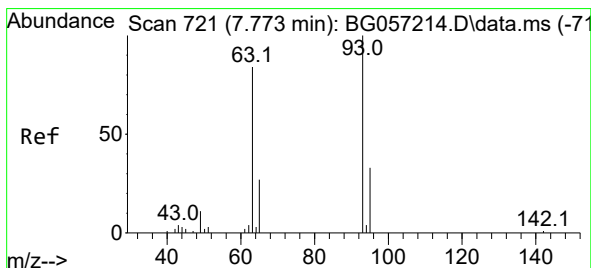
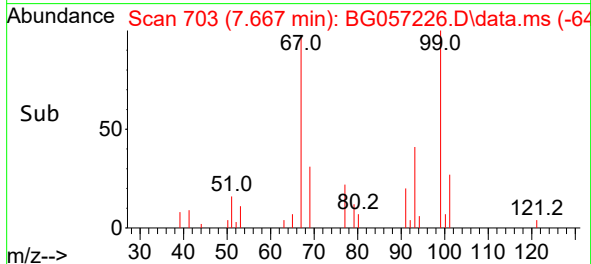
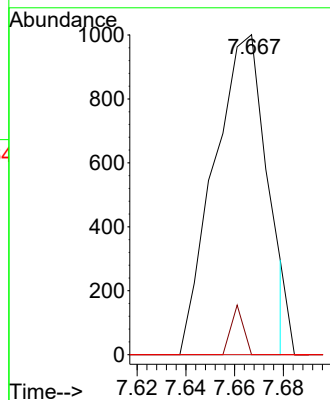
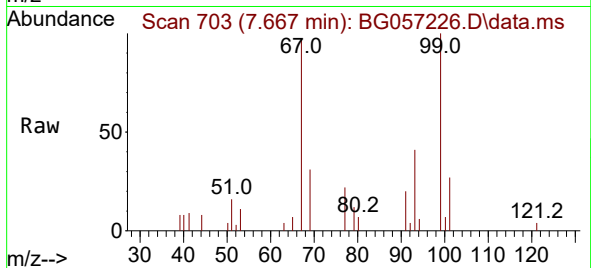




#6  
Benzaldehyde  
Concen: 3.814 ng/ul  
RT: 7.667 min Scan# 703  
Delta R.T. 0.164 min  
Lab File: BG057226.D  
Acq: 28 Apr 2023 20:51

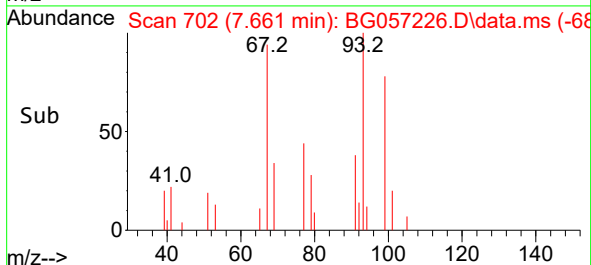
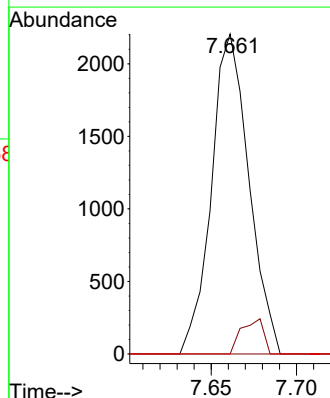
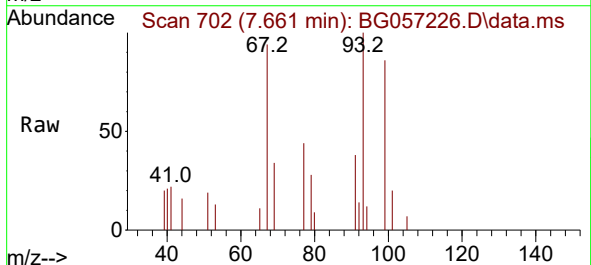
Instrument :  
BNA\_G  
ClientSampleId :  
EW906

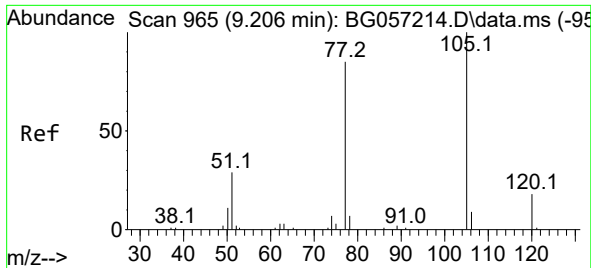
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Ion Ratio Lower Upper  
77 100  
105 0.0 79.8 119.6#  
106 0.0 78.7 118.1#



#10  
Bis(2-Chloroethyl)ether  
Concen: 3.432 ng/ul  
RT: 7.661 min Scan# 702  
Delta R.T. -0.112 min  
Lab File: BG057226.D  
Acq: 28 Apr 2023 20:51

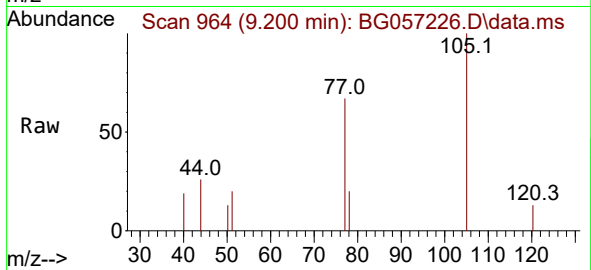
Tgt Ion: 93 Resp: 3370  
Ion Ratio Lower Upper  
93 100  
63 0.0 67.2 100.8#  
95 0.0 26.3 39.5#



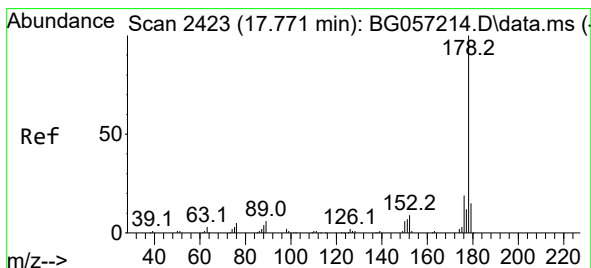
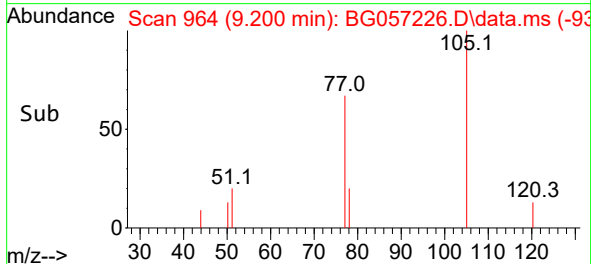
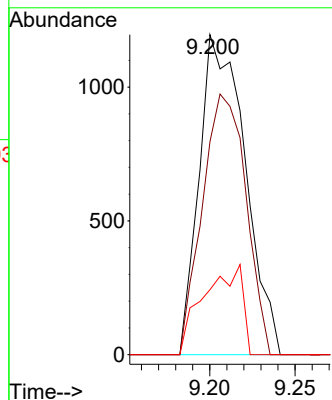


#16  
Acetophenone  
Concen: 1.309 ng/ul  
RT: 9.200 min Scan# 90  
Delta R.T. -0.006 min  
Lab File: BG057226.D  
Acq: 28 Apr 2023 20:51

Instrument :  
BNA\_G  
ClientSampleId :  
EW906

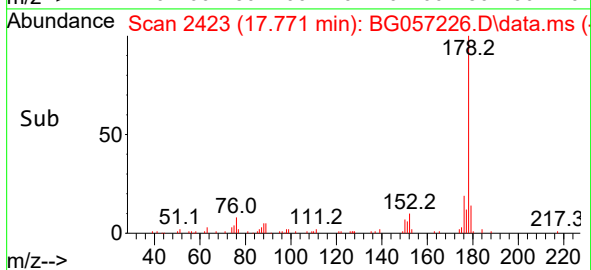
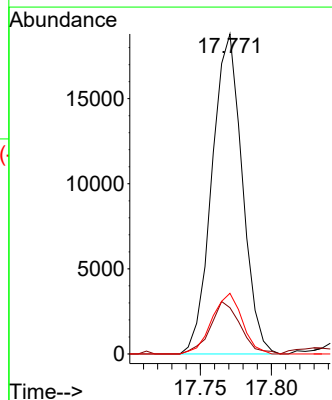
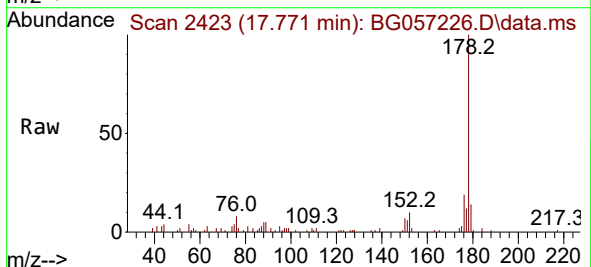


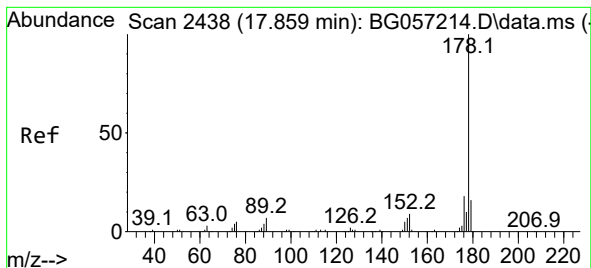
Tgt Ion:105 Resp: 2228  
Ion Ratio Lower Upper  
105 100  
77 66.6 70.6 105.8#  
51 20.3 24.5 36.7#



#72  
Phenanthrene  
Concen: 4.471 ng/ul  
RT: 17.771 min Scan# 2423  
Delta R.T. -0.000 min  
Lab File: BG057226.D  
Acq: 28 Apr 2023 20:51

Tgt Ion:178 Resp: 27811  
Ion Ratio Lower Upper  
178 100  
179 14.4 11.8 17.8  
176 19.0 15.4 23.0





#74

Anthracene

Concen: 4.451 ng/ul

RT: 17.771 min Scan# 2438

Delta R.T. -0.088 min

Lab File: BG057226.D

Acq: 28 Apr 2023 20:51

Instrument :

BNA\_G

ClientSampleId :

EW906

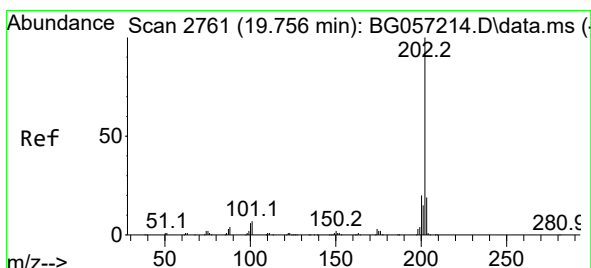
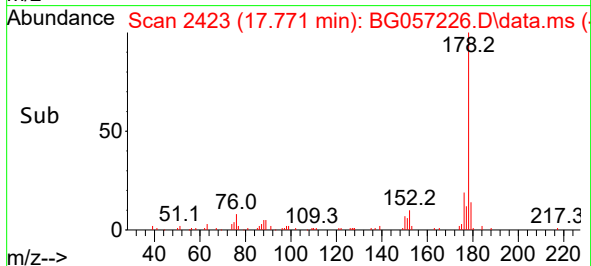
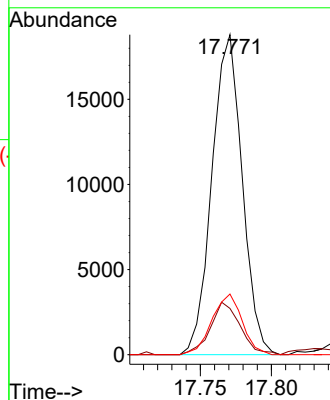
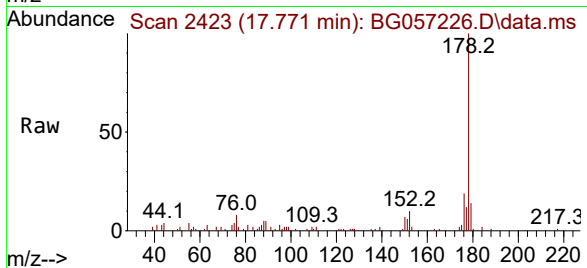
Tgt Ion:178 Resp: 27811

Ion Ratio Lower Upper

178 100

179 14.4 12.5 18.7

176 19.0 14.7 22.1



#80

Fluoranthene

Concen: 9.220 ng/ul

RT: 19.756 min Scan# 2761

Delta R.T. -0.000 min

Lab File: BG057226.D

Acq: 28 Apr 2023 20:51

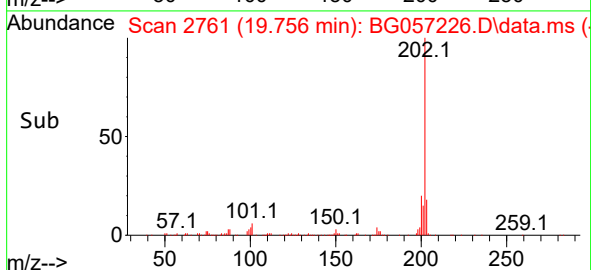
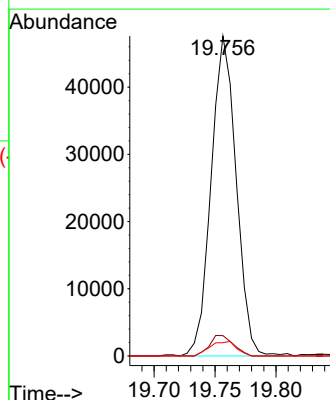
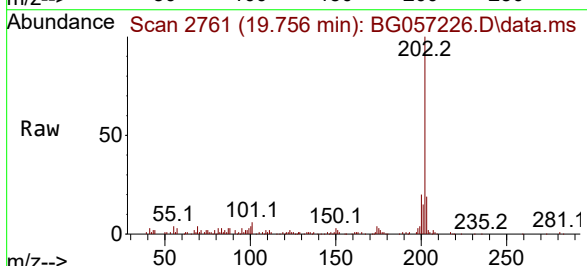
Tgt Ion:202 Resp: 68106

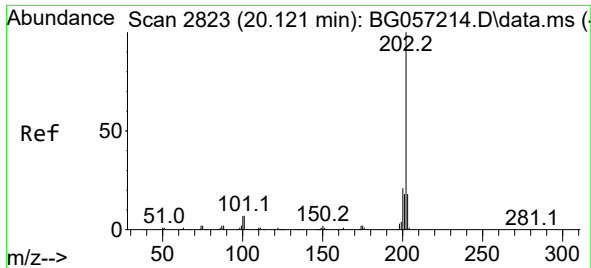
Ion Ratio Lower Upper

202 100

101 6.4 5.8 8.6

100 4.2 4.6 7.0#

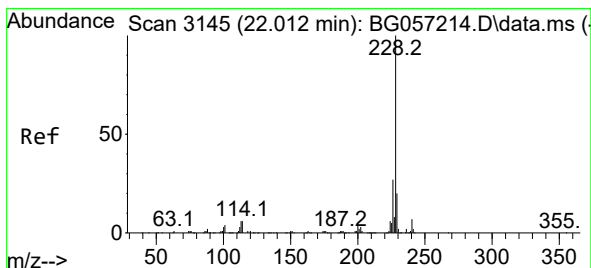
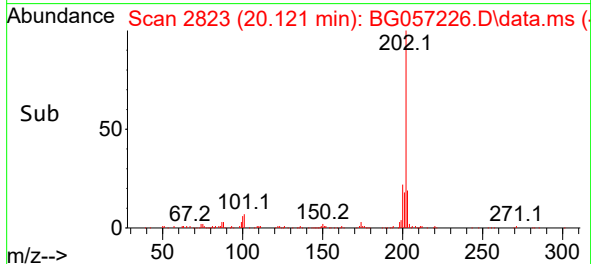
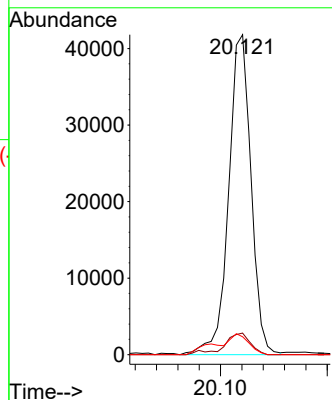
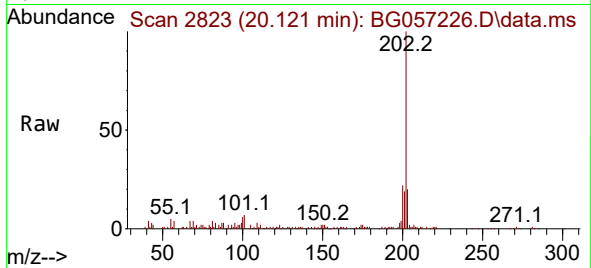




#82  
 Pyrene  
 Concen: 8.149 ng/ul  
 RT: 20.121 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: BG057226.D  
 Acq: 28 Apr 2023 20:51

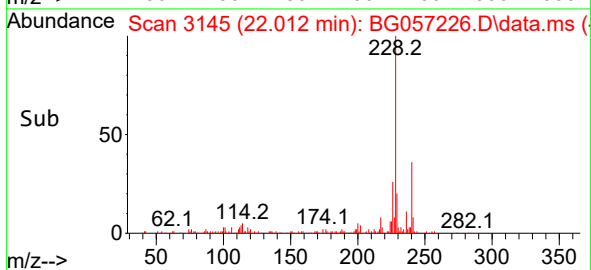
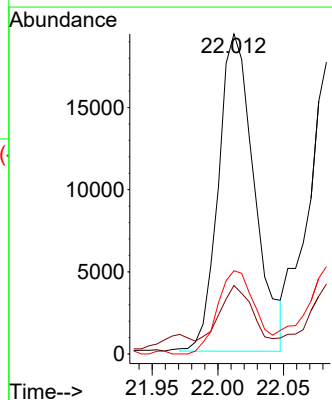
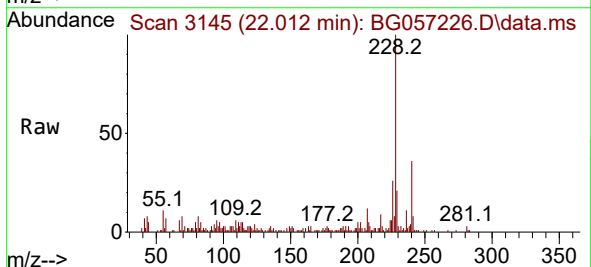
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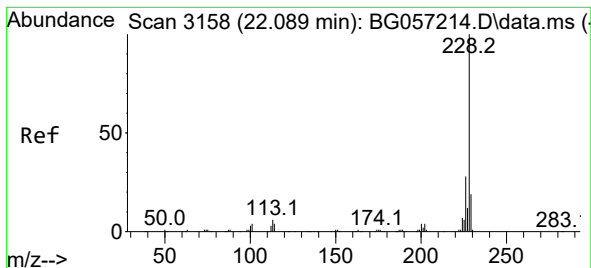
Tgt Ion:202 Resp: 60935  
 Ion Ratio Lower Upper  
 202 100  
 101 6.7 5.7 8.5  
 100 5.6 6.0 9.0#



#85  
 Benzo(a)anthracene  
 Concen: 4.975 ng/ul  
 RT: 22.012 min Scan# 3145  
 Delta R.T. -0.000 min  
 Lab File: BG057226.D  
 Acq: 28 Apr 2023 20:51

Tgt Ion:228 Resp: 36858  
 Ion Ratio Lower Upper  
 228 100  
 229 21.4 15.8 23.6  
 226 26.0 21.7 32.5





#87

Chrysene

Concen: 5.199 ng/ul

RT: 22.012 min Scan# 3145

Delta R.T. -0.076 min

Lab File: BG057226.D

Acq: 28 Apr 2023 20:51

Instrument :

BNA\_G

ClientSampleId :

EW906

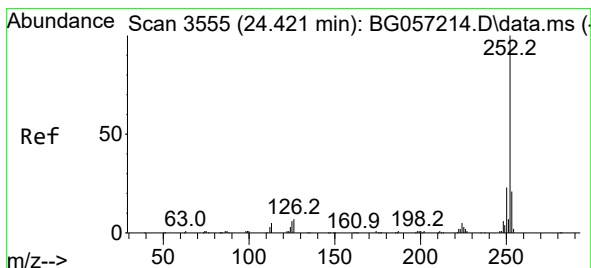
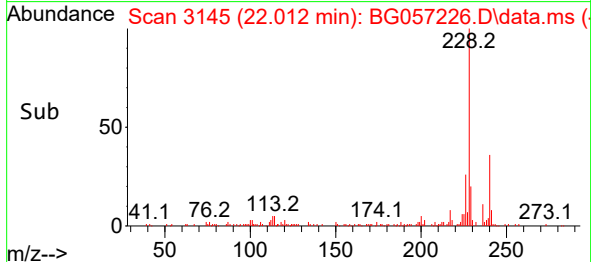
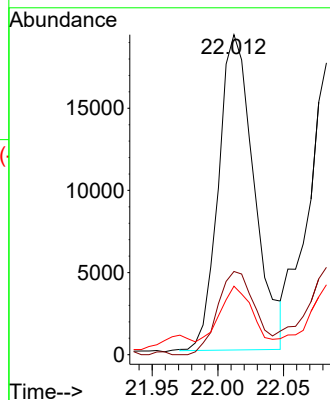
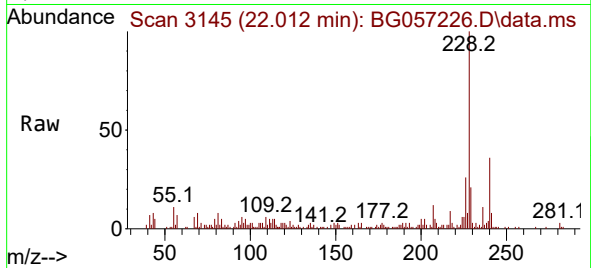
Tgt Ion:228 Resp: 36342

Ion Ratio Lower Upper

228 100

226 26.0 22.8 34.2

229 21.4 15.5 23.3



#90

Benzo(b)fluoranthene

Concen: 6.490 ng/ul

RT: 24.427 min Scan# 3556

Delta R.T. 0.006 min

Lab File: BG057226.D

Acq: 28 Apr 2023 20:51

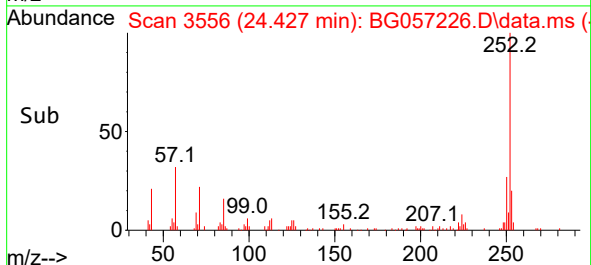
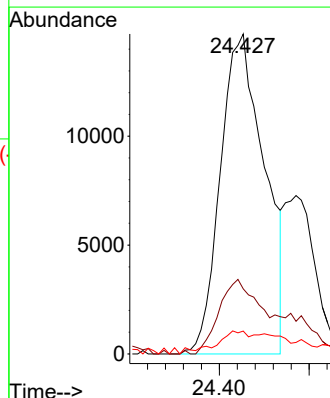
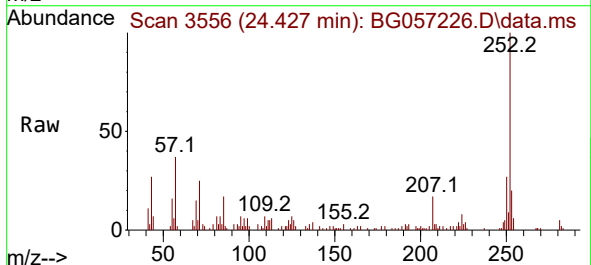
Tgt Ion:252 Resp: 50115

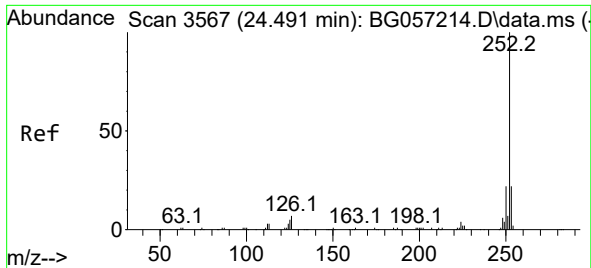
Ion Ratio Lower Upper

252 100

253 20.4 16.7 25.1

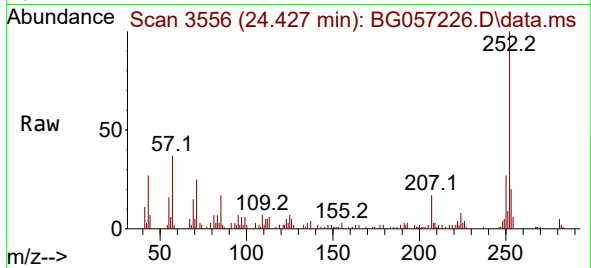
125 7.1 4.8 7.2



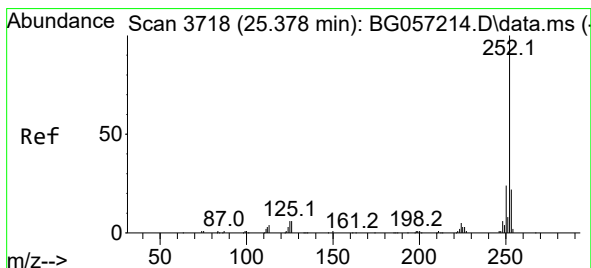
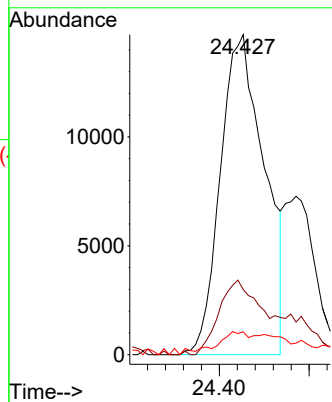
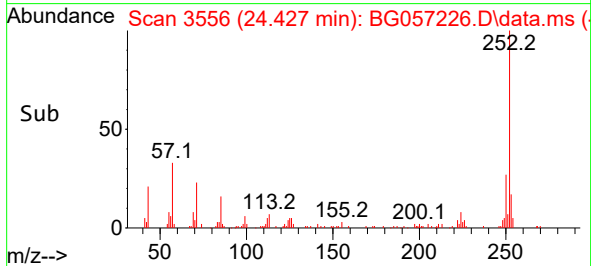


#91  
Benzo(k)fluoranthene  
Concen: 6.671 ng/ul  
RT: 24.427 min Scan# 3556  
Delta R.T. -0.065 min  
Lab File: BG057226.D  
Acq: 28 Apr 2023 20:51

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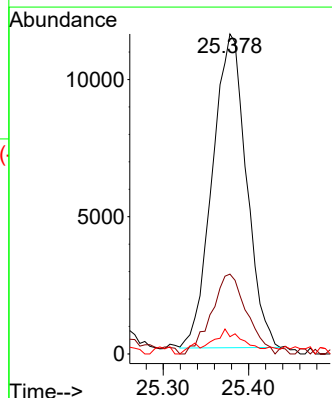
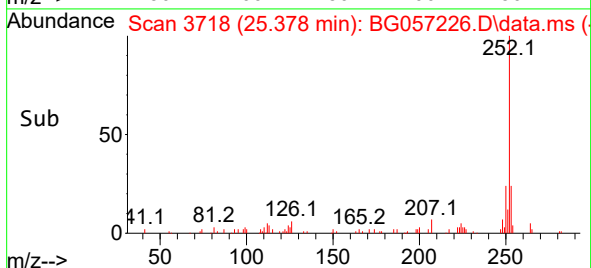
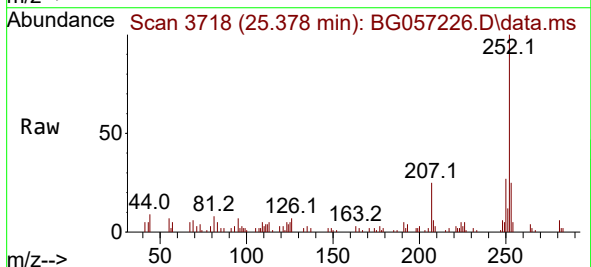


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Ion Ratio Lower Upper  
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125 7.1 4.5 6.7#

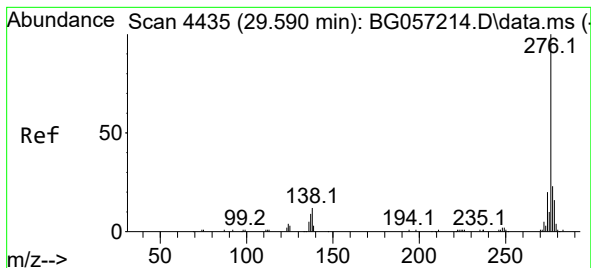


#93  
Benzo(a)pyrene  
Concen: 4.748 ng/ul  
RT: 25.378 min Scan# 3718  
Delta R.T. -0.000 min  
Lab File: BG057226.D  
Acq: 28 Apr 2023 20:51

Tgt Ion:252 Resp: 31653  
Ion Ratio Lower Upper  
252 100  
253 24.9 17.2 25.8  
125 5.4 5.1 7.7







#94

Indeno(1,2,3-cd)pyrene

Concen: 1.812 ng/ul

RT: 29.578 min Scan# 4433

Delta R.T. -0.012 min

Lab File: BG057226.D

Acq: 28 Apr 2023 20:51

Instrument :

BNA\_G

ClientSampleId :

EW906

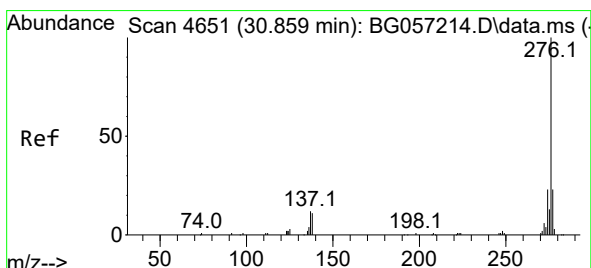
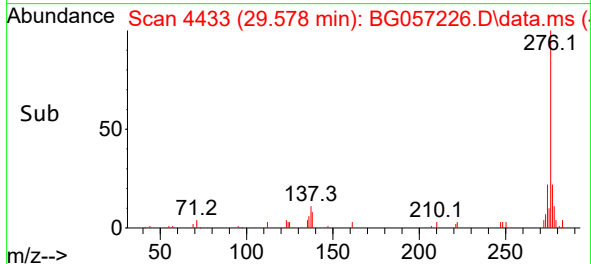
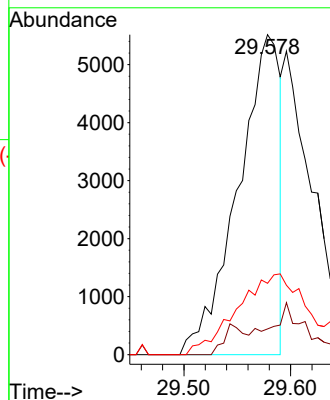
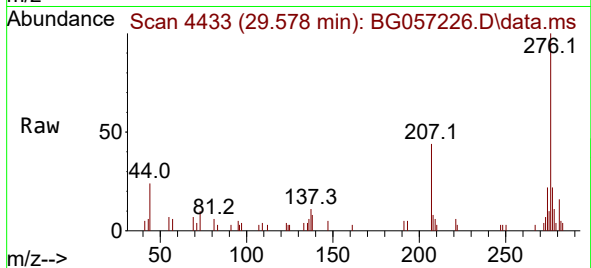
Tgt Ion:276 Resp: 15103

Ion Ratio Lower Upper

276 100

138 8.1 9.4 14.2#

277 22.3 18.6 28.0



#96

Benzo(g,h,i)perylene

Concen: 2.676 ng/ul

RT: 30.853 min Scan# 4650

Delta R.T. -0.006 min

Lab File: BG057226.D

Acq: 28 Apr 2023 20:51

Tgt Ion:276 Resp: 18051

Ion Ratio Lower Upper

276 100

138 9.2 8.7 13.1

277 25.5 18.4 27.6

