

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062824\  
 Data File : BG061778.D  
 Acq On : 28 Jun 2024 19:02  
 Operator : MA/JU  
 Sample : P2934-08  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A4CP4

Quant Time: Jun 29 01:10:57 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG062024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 27 12:23:53 2024  
 Response via : Initial Calibration

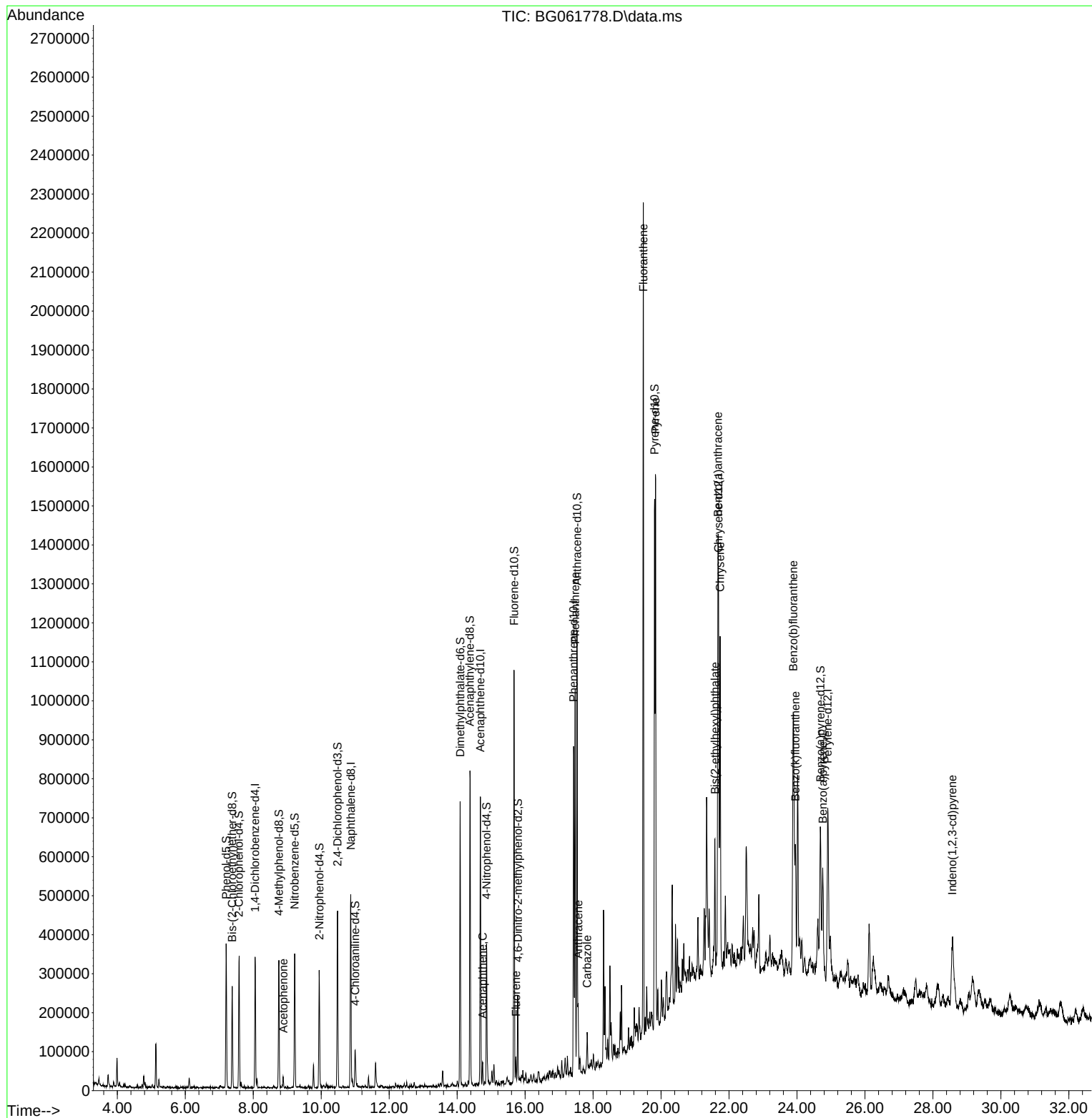
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.055  | 152  | 83396    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.869 | 136  | 379704   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.682 | 164  | 240867   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.426 | 188  | 519484   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.692 | 240  | 403554   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.906 | 264  | 468506   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.495  | 96   | 139      | 0.060  | ng/uL  | 0.04     |
| 4) Pyridine-d5                | 3.871  | 84   | 810      | 0.116  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.203  | 99   | 188486   | 20.819 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.379  | 67   | 126399   | 22.396 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.579  | 132  | 139518   | 22.457 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.754  | 113  | 108535   | 15.507 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.218  | 128  | 68700    | 26.647 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.947  | 143  | 79835    | 30.574 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.481 | 165  | 156722   | 25.347 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.998 | 131  | 50727    | 5.419  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.089 | 166  | 453151   | 24.448 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.377 | 160  | 528749   | 26.029 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.864 | 143  | 69254    | 21.755 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.675 | 176  | 413131   | 25.460 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.787 | 200  | 39687    | 17.866 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.526 | 188  | 632683   | 26.681 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.812 | 212  | 573954   | 25.462 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.688 | 264  | 403955   | 18.053 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 16) Acetophenone              | 8.883  | 105  | 14025    | 1.217  | ng/u1  | 87       |
| 52) Acenaphthene              | 14.753 | 153  | 24016    | 1.529  | ng/u1# | 79       |
| 61) Fluorene                  | 15.734 | 166  | 27742    | 1.525  | ng/u1# | 85       |
| 72) Phenanthrene              | 17.473 | 178  | 607546   | 22.230 | ng/u1  | 99       |
| 74) Anthracene                | 17.561 | 178  | 110213   | 3.944  | ng/u1  | 97       |
| 77) Carbazole                 | 17.826 | 167  | 56085    | 2.363  | ng/u1  | 98       |
| 80) Fluoranthene              | 19.477 | 202  | 1281505  | 48.997 | ng/u1  | 98       |
| 82) Pyrene                    | 19.841 | 202  | 899680   | 32.350 | ng/u1  | 97       |
| 85) Benzo(a)anthracene        | 21.674 | 228  | 527184   | 18.610 | ng/u1  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.586 | 149  | 122991   | 8.263  | ng/u1# | 97       |
| 87) Chrysene                  | 21.739 | 228  | 606972   | 22.645 | ng/u1  | 97       |
| 90) Benzo(b)fluoranthene      | 23.895 | 252  | 832974   | 29.577 | ng/u1  | 98       |
| 91) Benzo(k)fluoranthene      | 23.954 | 252  | 283062   | 9.773  | ng/u1# | 99       |
| 93) Benzo(a)pyrene            | 24.759 | 252  | 303417   | 11.191 | ng/u1# | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.572 | 276  | 304804   | 9.021  | ng/u1  | 97       |
| -----                         |        |      |          |        |        |          |

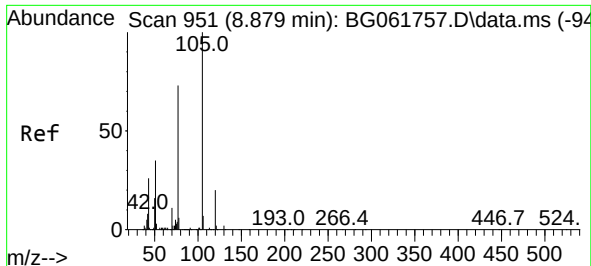
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062824\  
Data File : BG061778.D  
Acq On : 28 Jun 2024 19:02  
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Sample : P2934-08  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
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A4CP4

Quant Time: Jun 29 01:10:57 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG062024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jun 27 12:23:53 2024  
Response via : Initial Calibration

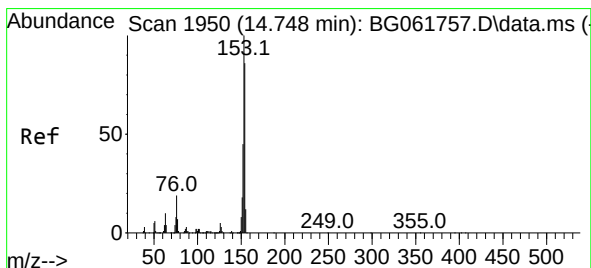
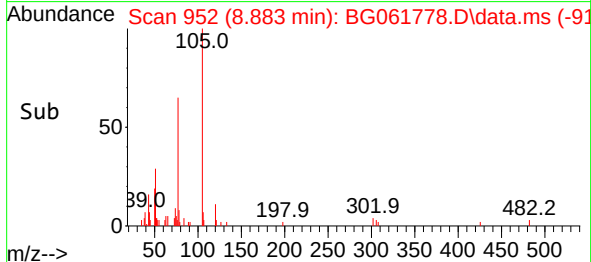
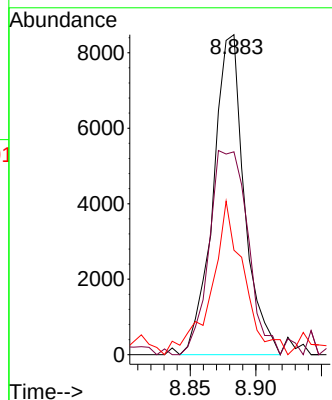
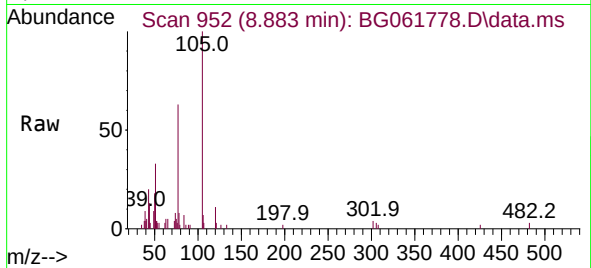




#16  
Acetophenone  
Concen: 1.217 ng/ul  
RT: 8.883 min Scan# 91  
Delta R.T. 0.002 min  
Lab File: BG061778.D  
Acq: 28 Jun 2024 19:02

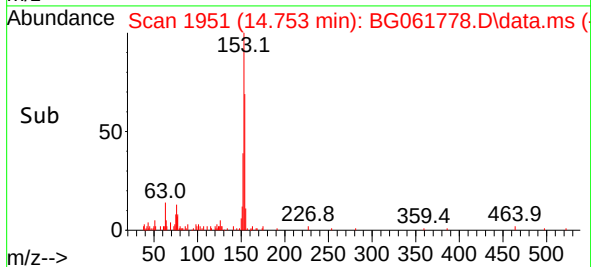
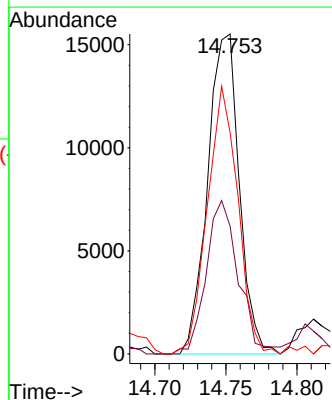
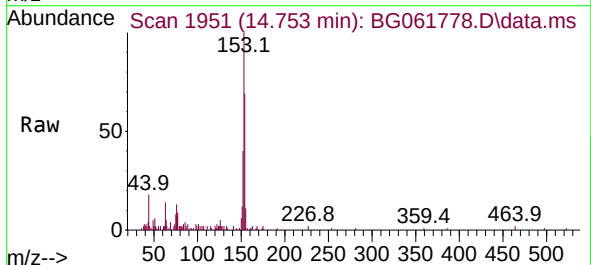
Instrument :  
BNA\_G  
ClientSampleId :  
A4CP4

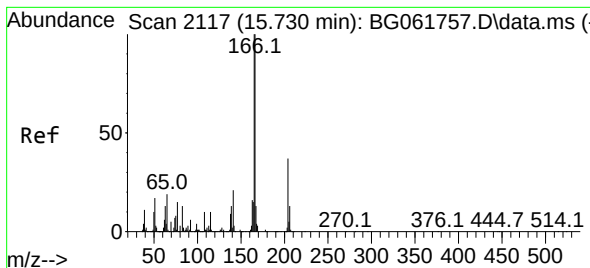
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 14025 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 77        | 63.4  | 60.4  | 90.6  |
| 51        | 32.6  | 31.1  | 46.7  |



#52  
Acenaphthene  
Concen: 1.529 ng/ul  
RT: 14.753 min Scan# 1951  
Delta R.T. 0.002 min  
Lab File: BG061778.D  
Acq: 28 Jun 2024 19:02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 153   | Resp: | 24016  |
| Ion Ratio | Lower | Upper |        |
| 153       | 100   |       |        |
| 152       | 39.9  | 40.0  | 60.0#  |
| 154       | 69.1  | 74.1  | 111.1# |





#61

Fluorene

Concen: 1.525 ng/ul

RT: 15.734 min Scan# 2117

Delta R.T. 0.002 min

Lab File: BG061778.D

Acq: 28 Jun 2024 19:02

Instrument :

BNA\_G

ClientSampleId :

A4CP4

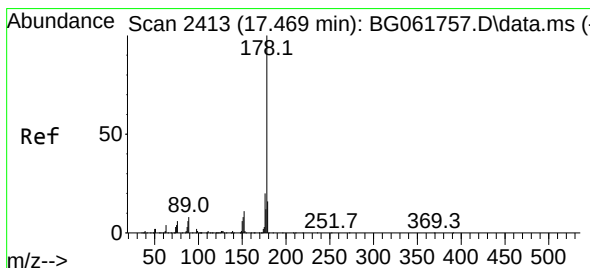
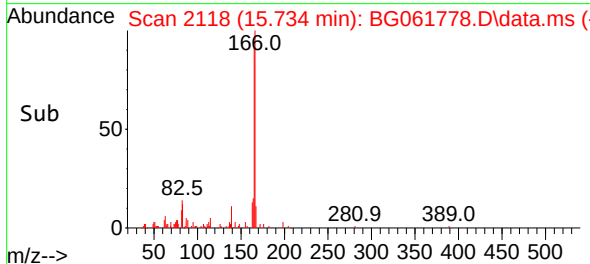
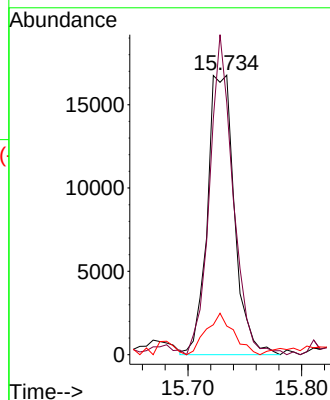
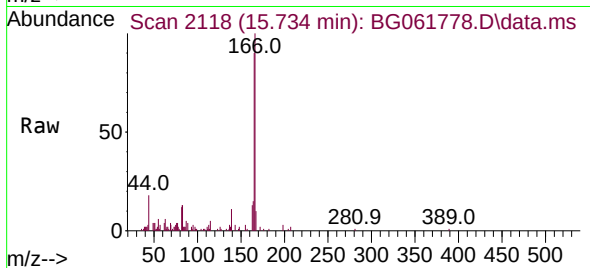
Tgt Ion:166 Resp: 27742

Ion Ratio Lower Upper

166 100

165 90.2 84.9 127.3

167 10.3 10.9 16.3#



#72

Phenanthrene

Concen: 22.230 ng/ul

RT: 17.473 min Scan# 2414

Delta R.T. 0.002 min

Lab File: BG061778.D

Acq: 28 Jun 2024 19:02

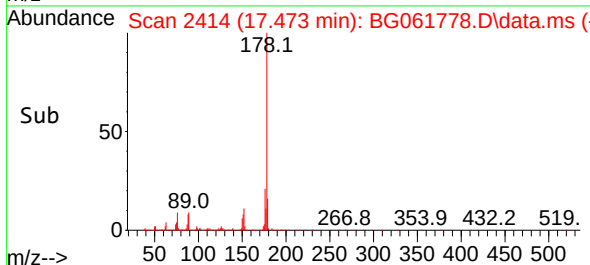
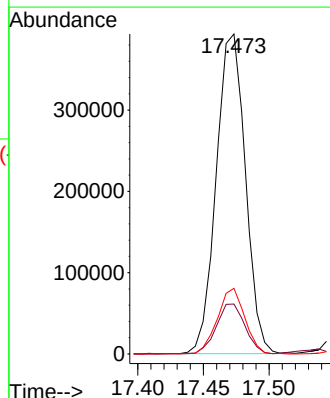
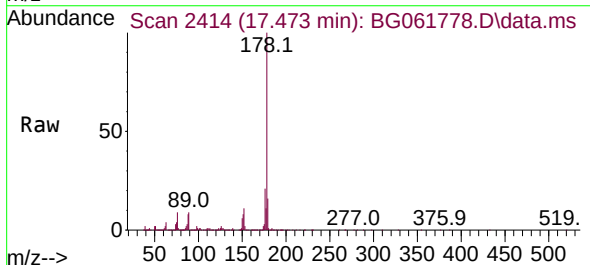
Tgt Ion:178 Resp: 607546

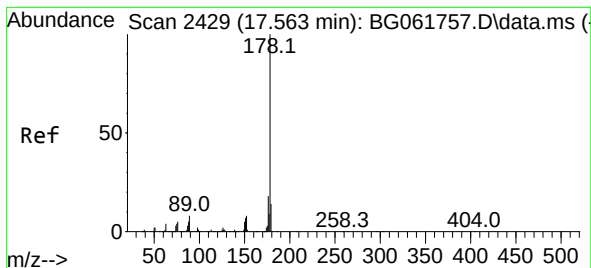
Ion Ratio Lower Upper

178 100

179 15.6 12.0 18.0

176 20.5 16.2 24.2





#74

Anthracene

Concen: 3.944 ng/ul

RT: 17.561 min Scan# 2429

Delta R.T. -0.004 min

Lab File: BG061778.D

Acq: 28 Jun 2024 19:02

Instrument :

BNA\_G

ClientSampleId :

A4CP4

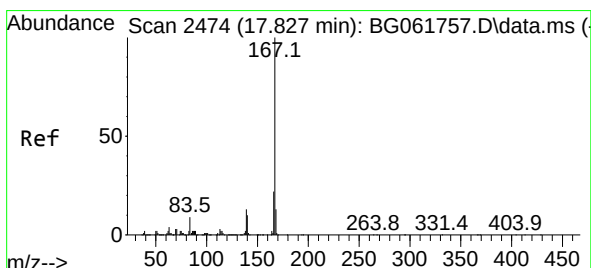
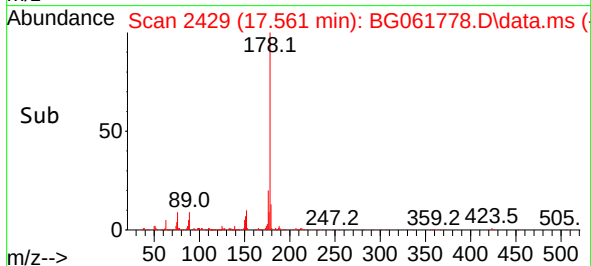
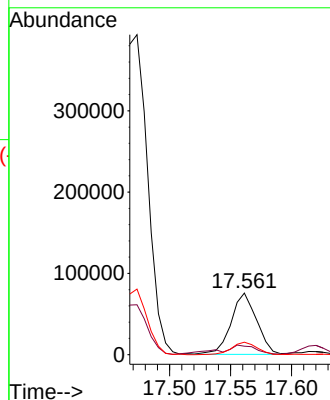
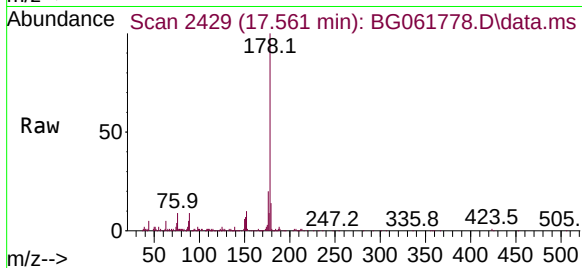
Tgt Ion:178 Resp: 110213

Ion Ratio Lower Upper

178 100

179 13.8 11.4 17.2

176 20.3 14.7 22.1



#77

Carbazole

Concen: 2.363 ng/ul

RT: 17.826 min Scan# 2474

Delta R.T. -0.004 min

Lab File: BG061778.D

Acq: 28 Jun 2024 19:02

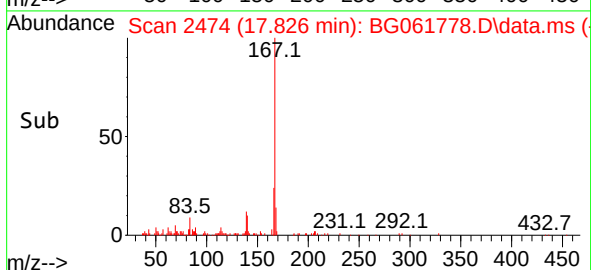
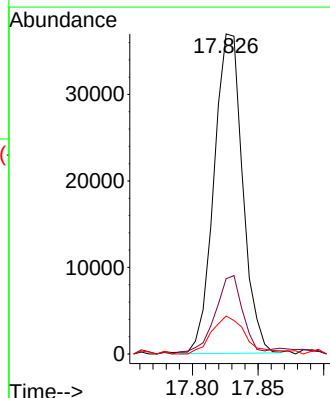
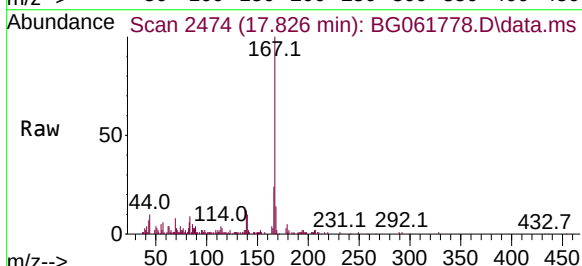
Tgt Ion:167 Resp: 56085

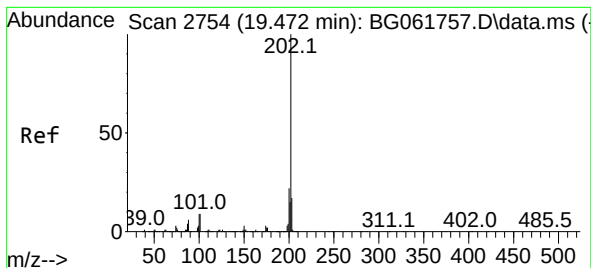
Ion Ratio Lower Upper

167 100

166 23.5 17.5 26.3

139 11.9 9.4 14.2





#80

Fluoranthene

Concen: 48.997 ng/u1

RT: 19.477 min Scan# 21

Delta R.T. 0.002 min

Lab File: BG061778.D

Acq: 28 Jun 2024 19:02

Instrument :

BNA\_G

ClientSampleId :

A4CP4

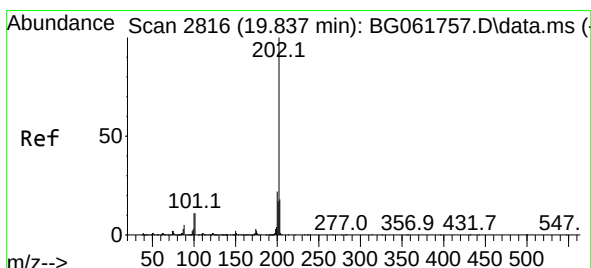
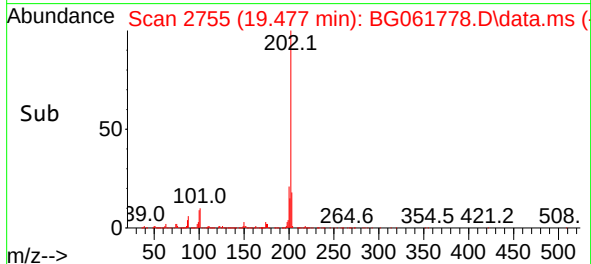
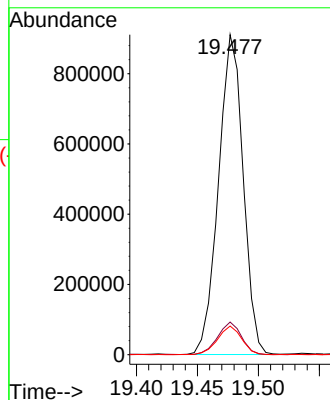
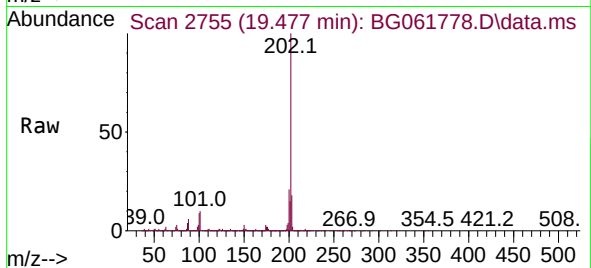
Tgt Ion:202 Resp: 1281505

Ion Ratio Lower Upper

202 100

101 10.2 7.8 11.6

100 8.9 7.7 11.5



#82

Pyrene

Concen: 32.350 ng/u1

RT: 19.841 min Scan# 2817

Delta R.T. 0.002 min

Lab File: BG061778.D

Acq: 28 Jun 2024 19:02

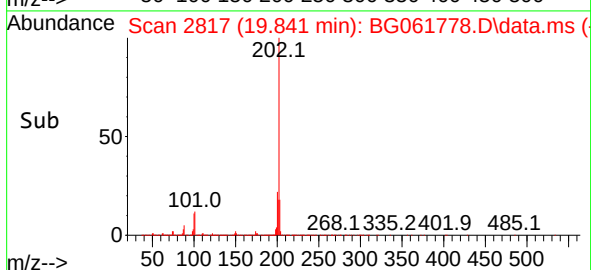
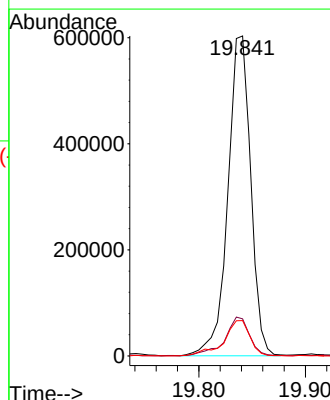
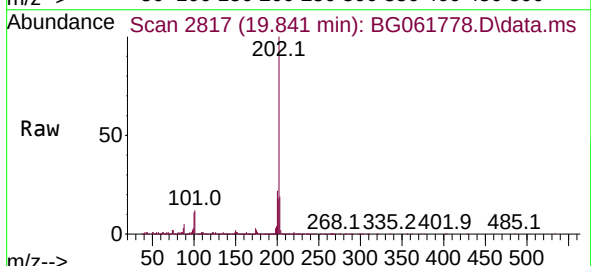
Tgt Ion:202 Resp: 899680

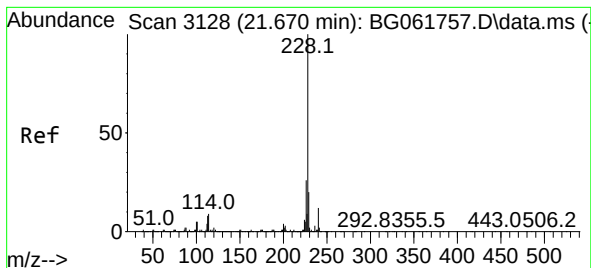
Ion Ratio Lower Upper

202 100

101 11.6 10.1 15.1

100 11.1 9.9 14.9





#85

Benzo(a)anthracene

Concen: 18.610 ng/ul

RT: 21.674 min Scan# 3128

Delta R.T. 0.002 min

Lab File: BG061778.D

Acq: 28 Jun 2024 19:02

Instrument :

BNA\_G

ClientSampleId :

A4CP4

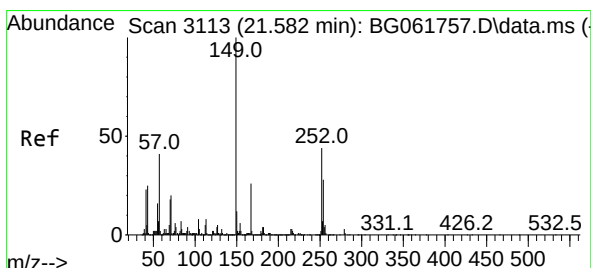
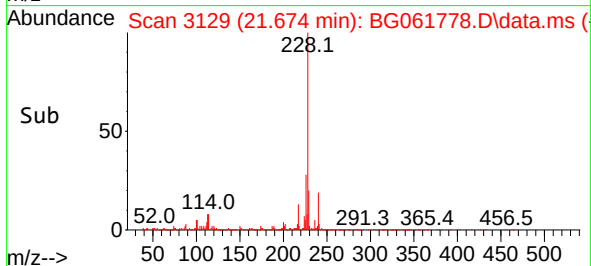
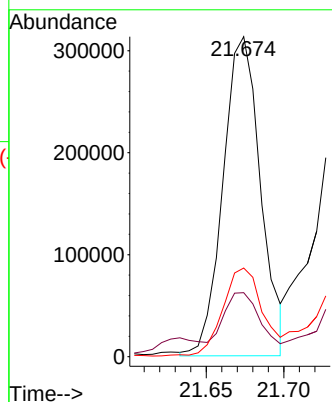
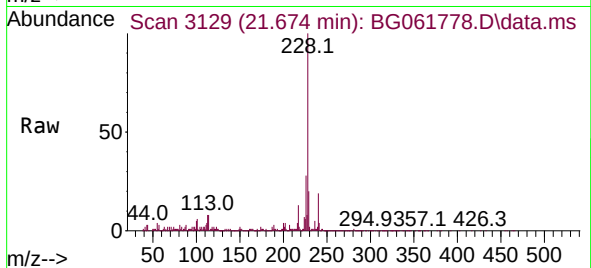
Tgt Ion:228 Resp: 527184

Ion Ratio Lower Upper

228 100

229 20.0 15.8 23.8

226 27.7 21.4 32.2



#86

Bis(2-ethylhexyl)phthalate

Concen: 8.263 ng/ul

RT: 21.586 min Scan# 3114

Delta R.T. -0.004 min

Lab File: BG061778.D

Acq: 28 Jun 2024 19:02

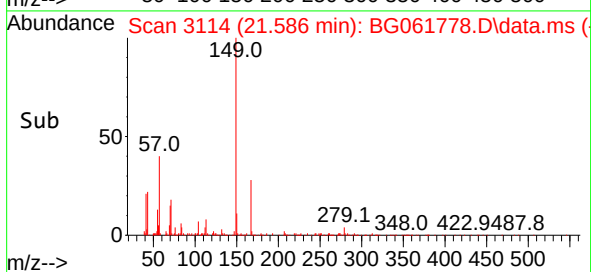
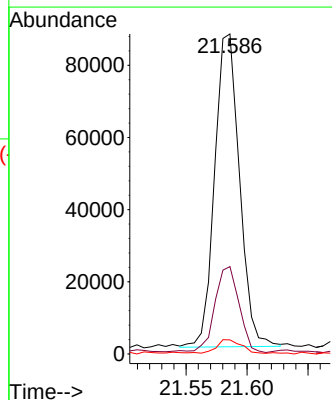
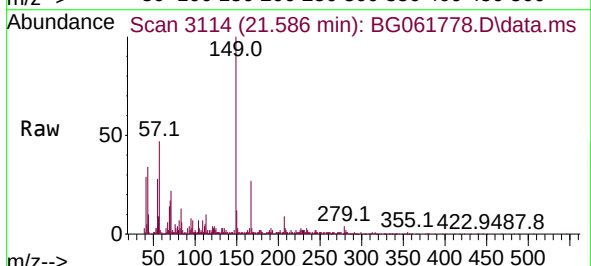
Tgt Ion:149 Resp: 122991

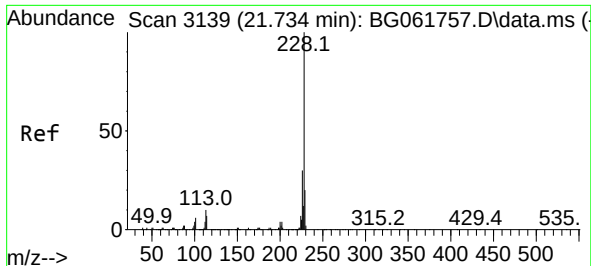
Ion Ratio Lower Upper

149 100

167 27.3 20.5 30.7

279 4.4 2.9 4.3#

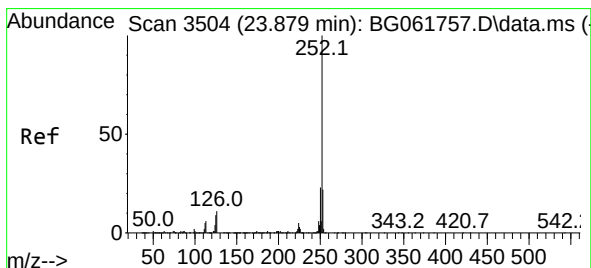
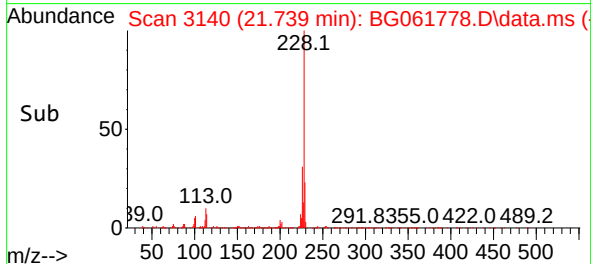
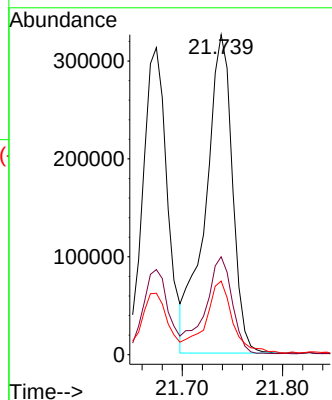
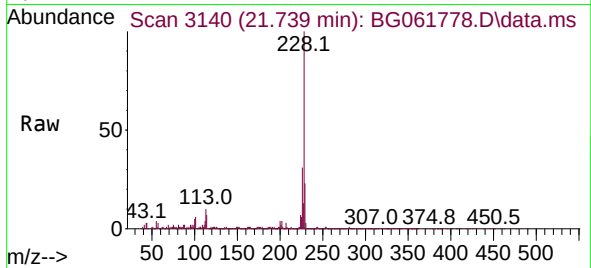




#87  
Chrysene  
Concen: 22.645 ng/u1  
RT: 21.739 min Scan# 3139  
Delta R.T. 0.002 min  
Lab File: BG061778.D  
Acq: 28 Jun 2024 19:02

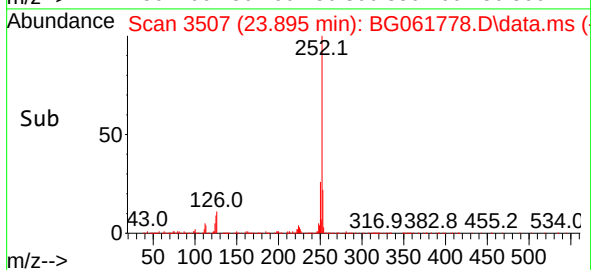
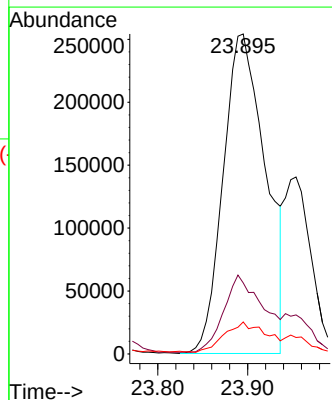
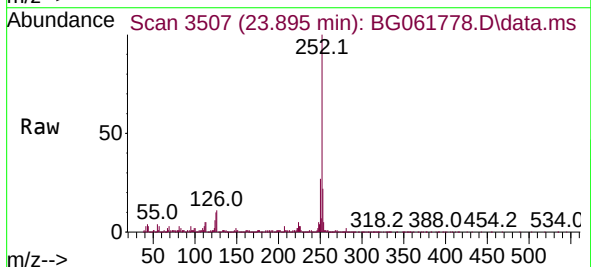
Instrument :  
BNA\_G  
ClientSampleId :  
A4CP4

Tgt Ion:228 Resp: 606972  
Ion Ratio Lower Upper  
228 100  
226 30.6 24.2 36.2  
229 23.0 16.5 24.7

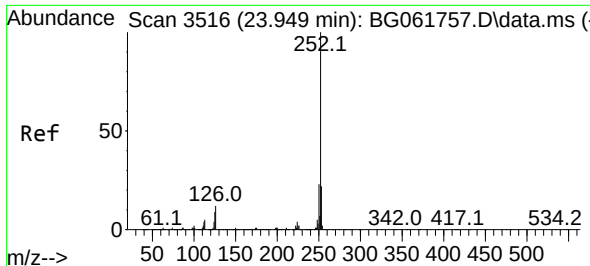


#90  
Benzo(b)fluoranthene  
Concen: 29.577 ng/u1  
RT: 23.895 min Scan# 3507  
Delta R.T. 0.007 min  
Lab File: BG061778.D  
Acq: 28 Jun 2024 19:02

Tgt Ion:252 Resp: 832974  
Ion Ratio Lower Upper  
252 100  
253 22.2 18.6 27.8  
125 10.0 7.0 10.6



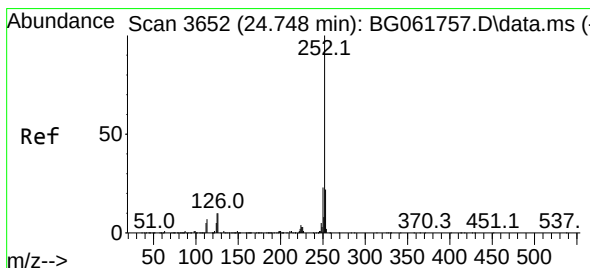
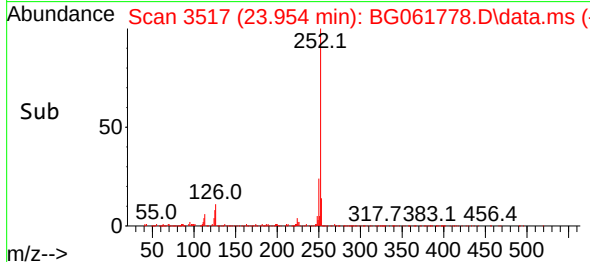
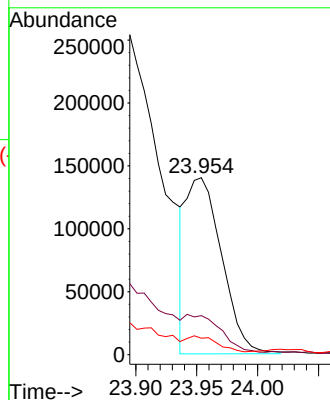
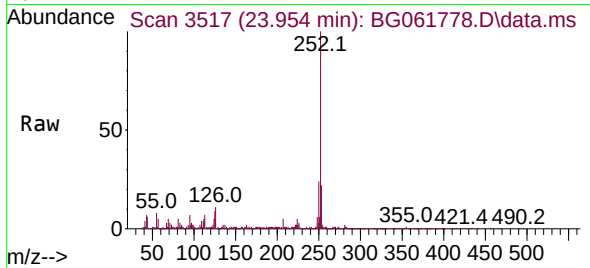




#91  
Benzo(k)fluoranthene  
Concen: 9.773 ng/u1  
RT: 23.954 min Scan# 31  
Delta R.T. -0.004 min  
Lab File: BG061778.D  
Acq: 28 Jun 2024 19:02

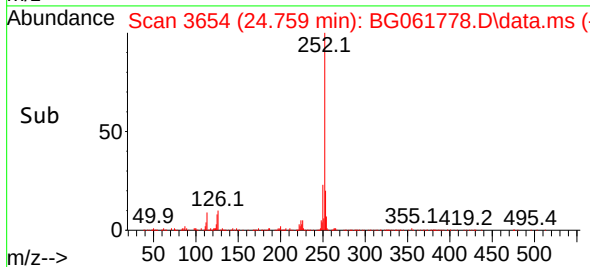
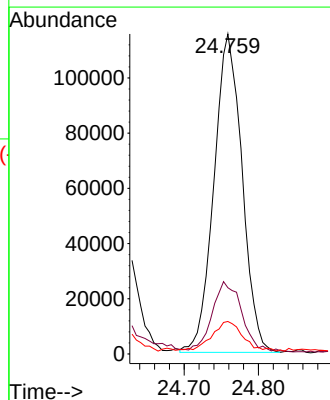
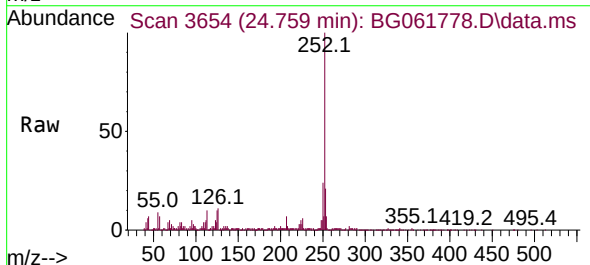
Instrument :  
BNA\_G  
ClientSampleId :  
A4CP4

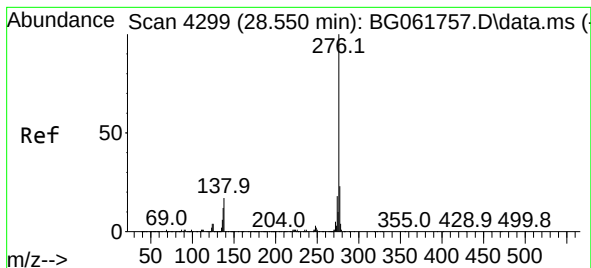
Tgt Ion:252 Resp: 283062  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.8 26.6  
125 9.3 6.2 9.2#



#93  
Benzo(a)pyrene  
Concen: 11.191 ng/u1  
RT: 24.759 min Scan# 3654  
Delta R.T. -0.004 min  
Lab File: BG061778.D  
Acq: 28 Jun 2024 19:02

Tgt Ion:252 Resp: 303417  
Ion Ratio Lower Upper  
252 100  
253 20.7 16.8 25.2  
125 10.1 6.5 9.7#





#94

Indeno(1,2,3-cd)pyrene

Concen: 9.021 ng/ul

RT: 28.572 min Scan# 41

Delta R.T. 0.007 min

Lab File: BG061778.D

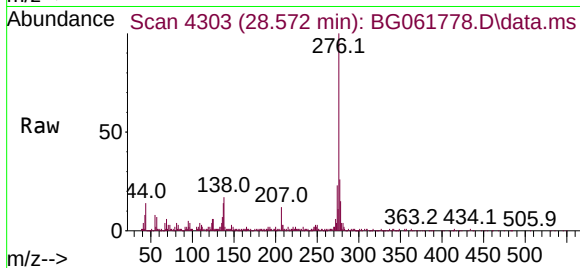
Acq: 28 Jun 2024 19:02

Instrument :

BNA\_G

ClientSampleId :

A4CP4



Tgt Ion:276 Resp: 304804

Ion Ratio Lower Upper

276 100

138 16.6 12.2 18.4

277 26.2 19.7 29.5

