

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062824\  
 Data File : BG061780.D  
 Acq On : 28 Jun 2024 20:24  
 Operator : MA/JU  
 Sample : P2934-09  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A4CP5

Quant Time: Jun 29 01:11:37 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

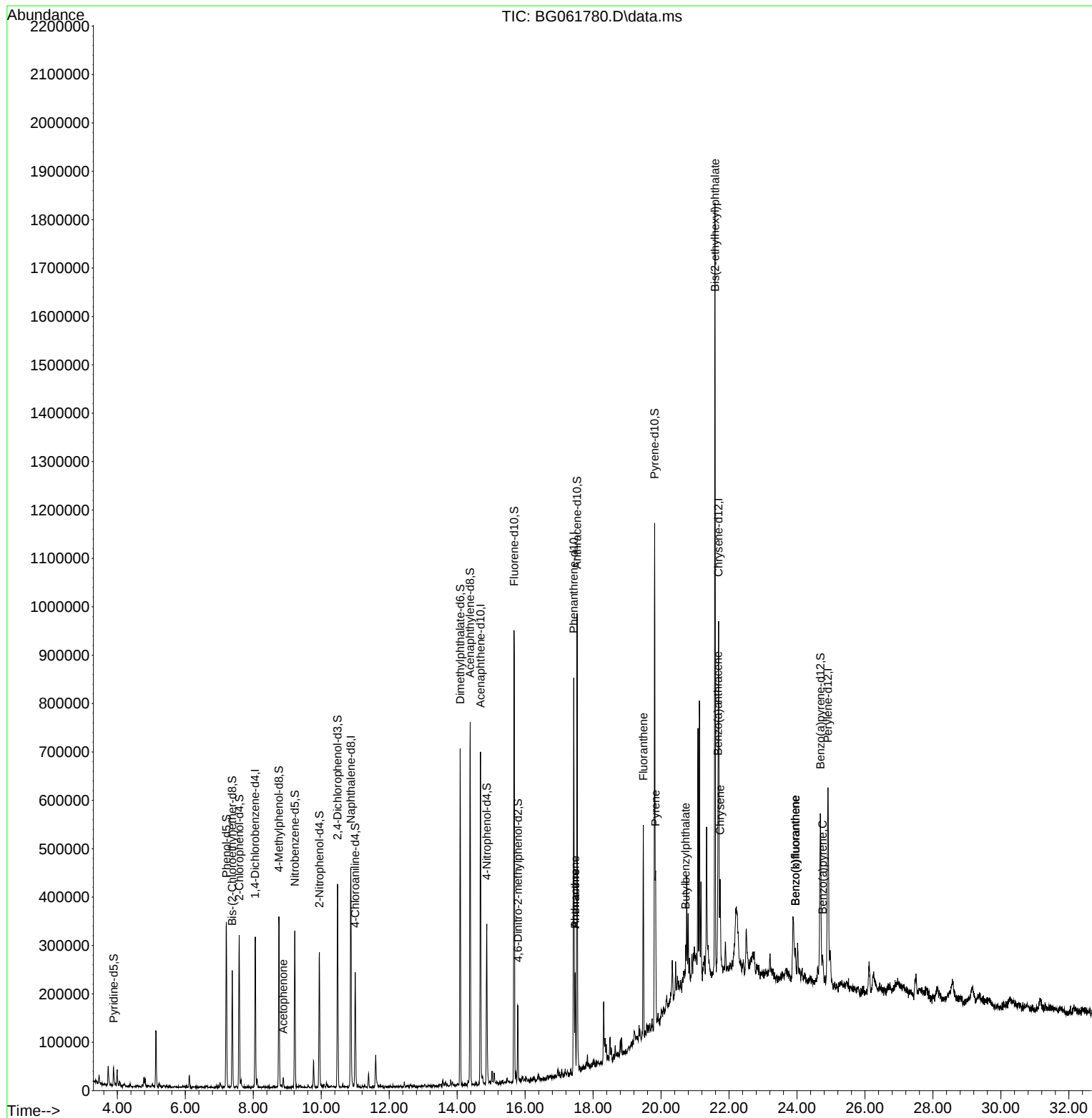
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.053  | 152  | 77047    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.868 | 136  | 354435   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.687 | 164  | 226409   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.430 | 188  | 496629   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.690 | 240  | 365929   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.910 | 264  | 422790   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.500  | 96   | 232      | 0.109  | ng/uL  | 0.05     |
| 4) Pyridine-d5                | 3.888  | 84   | 18330    | 2.843  | ng/u1  | 0.02     |
| 7) Phenol-d5                  | 7.207  | 99   | 176194   | 21.065 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.378  | 67   | 116571   | 22.357 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.589  | 132  | 126710   | 22.076 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.752  | 113  | 115295   | 17.831 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.222  | 128  | 65120    | 27.059 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.945  | 143  | 72081    | 29.573 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.480 | 165  | 136604   | 23.669 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.997 | 131  | 108455   | 12.412 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.087 | 166  | 428550   | 24.597 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.381 | 160  | 487281   | 25.520 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.869 | 143  | 58628    | 19.593 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.674 | 176  | 378906   | 24.841 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.785 | 200  | 30073    | 14.161 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.530 | 188  | 552258   | 24.362 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.810 | 212  | 512738   | 25.085 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.687 | 264  | 356931   | 17.676 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 16) Acetophenone              | 8.876  | 105  | 10870    | 1.021  | ng/u1# | 85       |
| 72) Phenanthrene              | 17.472 | 178  | 127224   | 4.869  | ng/u1  | 95       |
| 74) Anthracene                | 17.472 | 178  | 127224   | 4.762  | ng/u1  | 97       |
| 80) Fluoranthene              | 19.475 | 202  | 257460   | 10.856 | ng/u1  | 98       |
| 82) Pyrene                    | 19.839 | 202  | 190540   | 7.556  | ng/u1# | 96       |
| 83) Butylbenzylphthalate      | 20.721 | 149  | 15438    | 1.681  | ng/u1# | 77       |
| 85) Benzo(a)anthracene        | 21.673 | 228  | 114118   | 4.443  | ng/u1  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.584 | 149  | 570001   | 42.234 | ng/u1  | 97       |
| 87) Chrysene                  | 21.737 | 228  | 122885   | 5.056  | ng/u1  | 98       |
| 90) Benzo(b)fluoranthene      | 23.952 | 252  | 44557    | 1.753  | ng/u1  | 98       |
| 91) Benzo(k)fluoranthene      | 23.952 | 252  | 43549    | 1.666  | ng/u1  | 97       |
| 93) Benzo(a)pyrene            | 24.751 | 252  | 62911    | 2.571  | ng/u1# | 90       |
| -----                         |        |      |          |        |        |          |

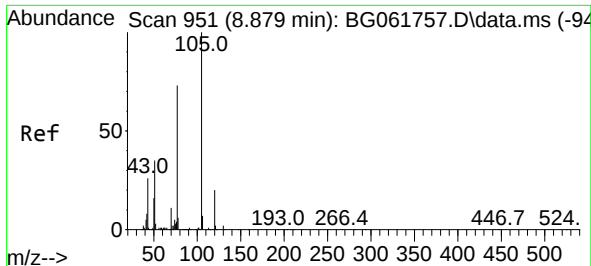
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jun 27 12:23:53 2024  
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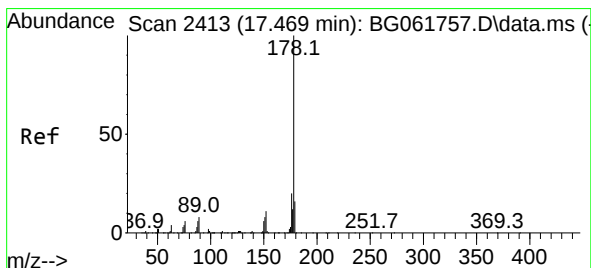
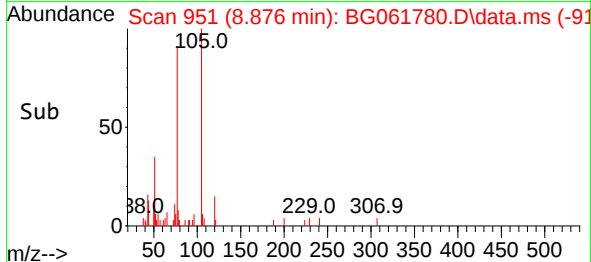
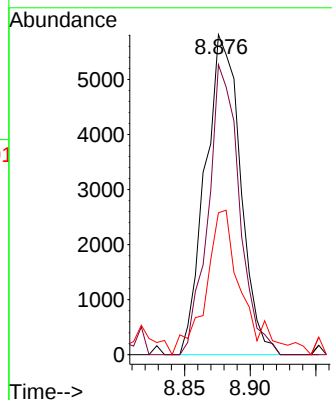
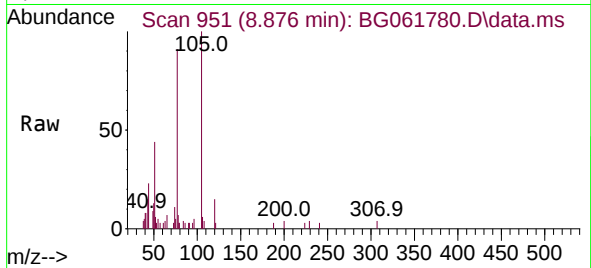




#16  
Acetophenone  
Concen: 1.021 ng/ul  
RT: 8.876 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BG061780.D  
Acq: 28 Jun 2024 20:24

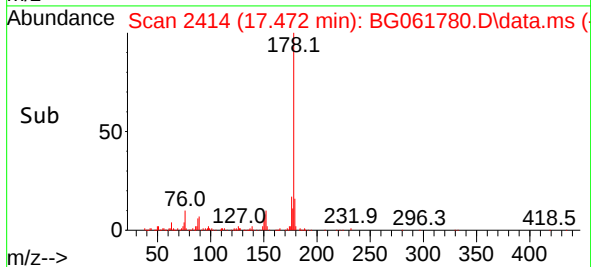
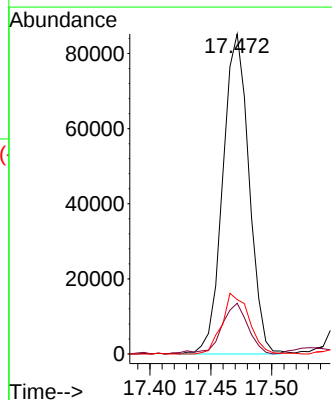
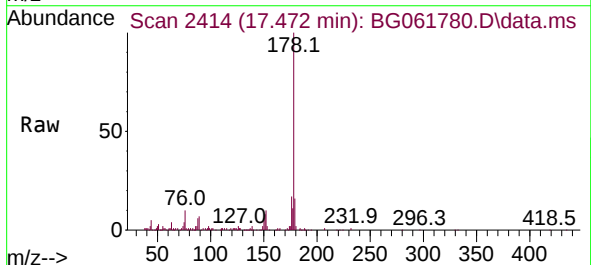
Instrument :  
BNA\_G  
ClientSampleId :  
A4CP5

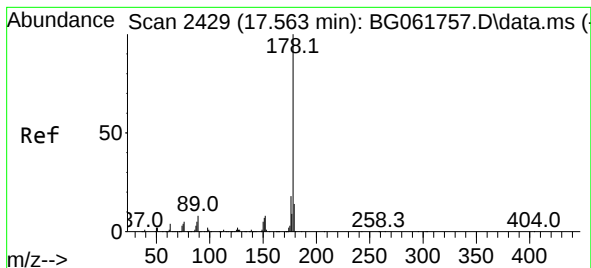
Tgt Ion:105 Resp: 10870  
Ion Ratio Lower Upper  
105 100  
77 90.6 60.4 90.6#  
51 44.3 31.1 46.7



#72  
Phenanthrene  
Concen: 4.869 ng/ul  
RT: 17.472 min Scan# 2414  
Delta R.T. -0.000 min  
Lab File: BG061780.D  
Acq: 28 Jun 2024 20:24

Tgt Ion:178 Resp: 127224  
Ion Ratio Lower Upper  
178 100  
179 15.8 12.0 18.0  
176 17.0 16.2 24.2





#74

Anthracene

Concen: 4.762 ng/ul

RT: 17.472 min Scan# 24

Delta R.T. -0.094 min

Lab File: BG061780.D

Acq: 28 Jun 2024 20:24

Instrument :

BNA\_G

ClientSampleId :

A4CP5

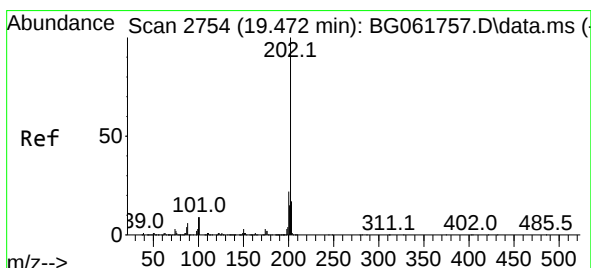
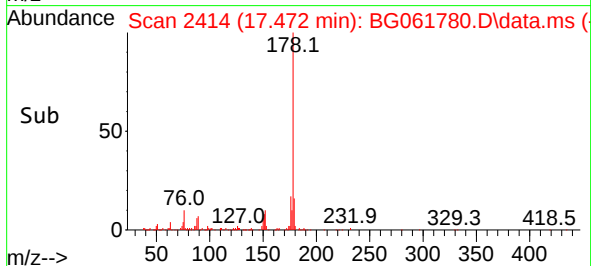
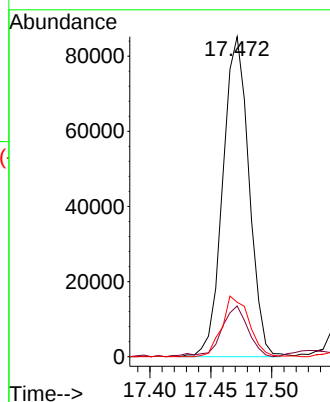
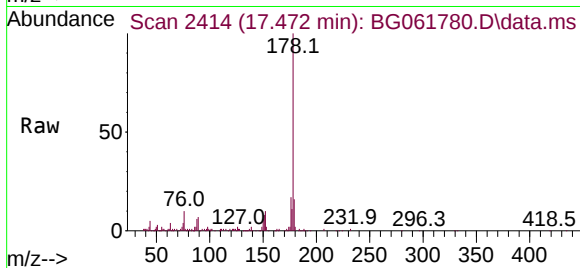
Tgt Ion:178 Resp: 127224

Ion Ratio Lower Upper

178 100

179 15.8 11.4 17.2

176 17.0 14.7 22.1



#80

Fluoranthene

Concen: 10.856 ng/ul

RT: 19.475 min Scan# 2755

Delta R.T. -0.000 min

Lab File: BG061780.D

Acq: 28 Jun 2024 20:24

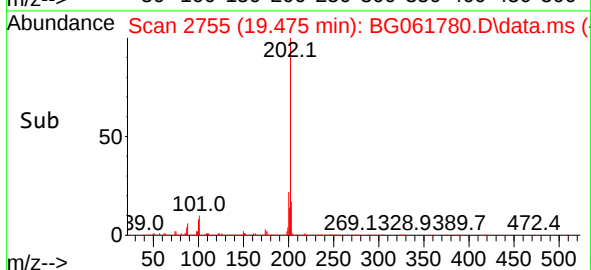
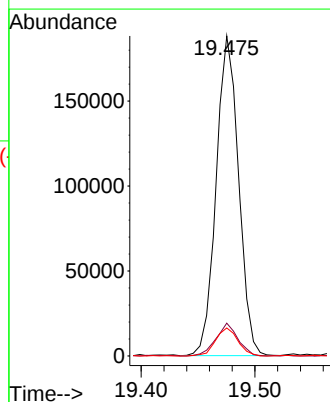
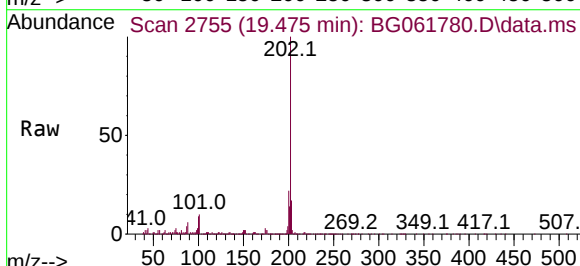
Tgt Ion:202 Resp: 257460

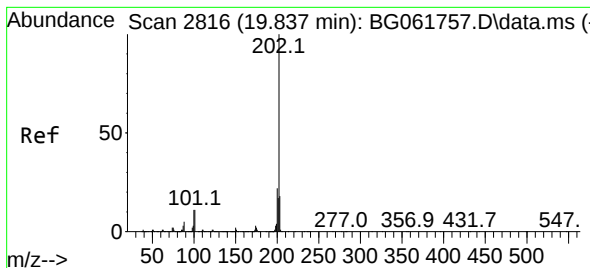
Ion Ratio Lower Upper

202 100

101 10.3 7.8 11.6

100 8.7 7.7 11.5





#82

Pyrene

Concen: 7.556 ng/ul

RT: 19.839 min Scan# 2816

Delta R.T. -0.000 min

Lab File: BG061780.D

Acq: 28 Jun 2024 20:24

Instrument :

BNA\_G

ClientSampleId :

A4CP5

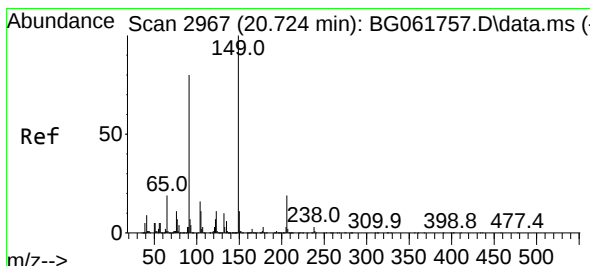
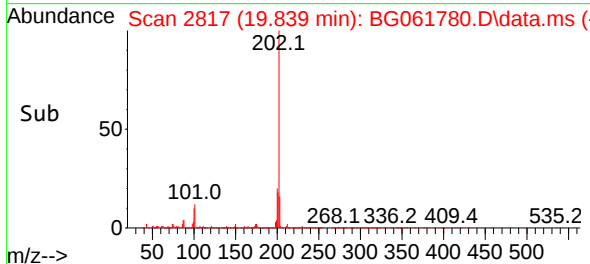
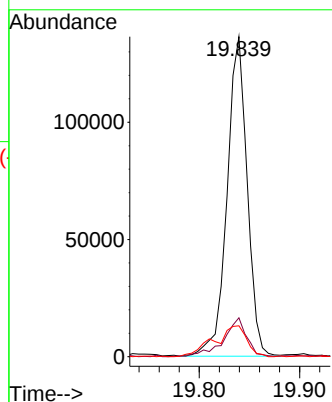
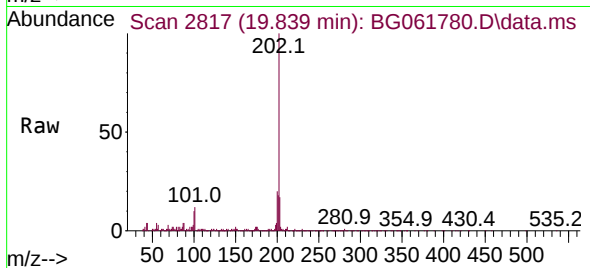
Tgt Ion:202 Resp: 190540

Ion Ratio Lower Upper

202 100

101 12.1 10.1 15.1

100 9.6 9.9 14.9#



#83

Butylbenzylphthalate

Concen: 1.681 ng/ul

RT: 20.721 min Scan# 2967

Delta R.T. -0.006 min

Lab File: BG061780.D

Acq: 28 Jun 2024 20:24

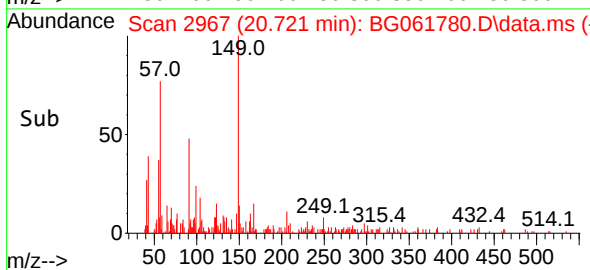
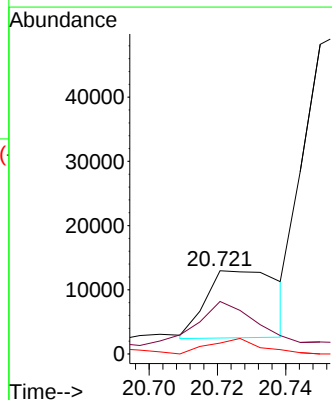
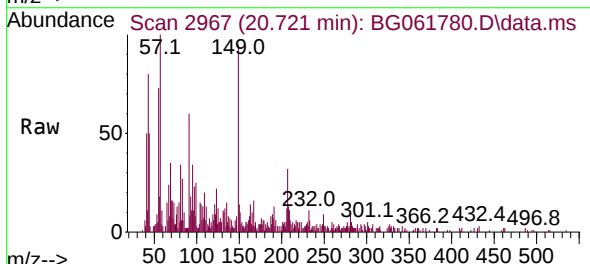
Tgt Ion:149 Resp: 15438

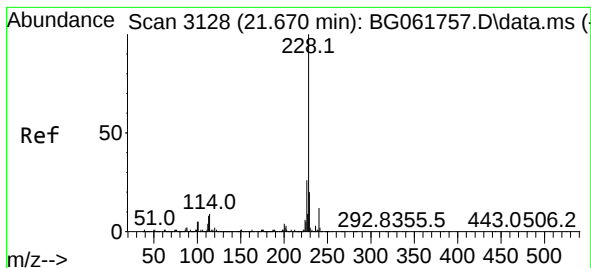
Ion Ratio Lower Upper

149 100

91 63.1 68.1 102.1#

206 13.1 17.9 26.9#





#85

Benzo(a)anthracene

Concen: 4.443 ng/ul

RT: 21.673 min Scan# 3128

Delta R.T. -0.000 min

Lab File: BG061780.D

Acq: 28 Jun 2024 20:24

Instrument :

BNA\_G

ClientSampleId :

A4CP5

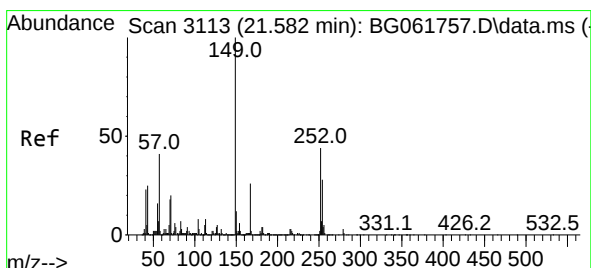
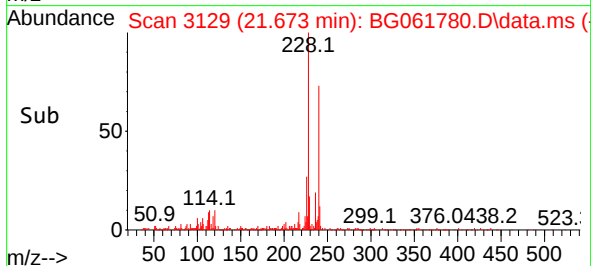
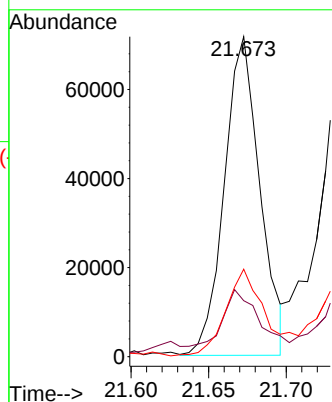
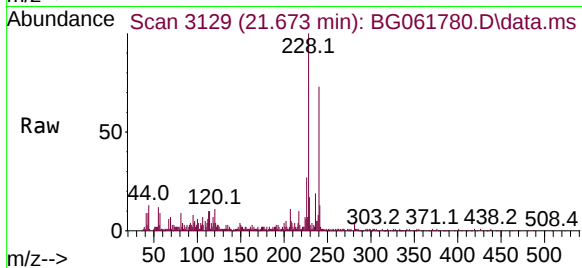
Tgt Ion:228 Resp: 114118

Ion Ratio Lower Upper

228 100

229 17.5 15.8 23.8

226 27.3 21.4 32.2



#86

Bis(2-ethylhexyl)phthalate

Concen: 42.234 ng/ul

RT: 21.584 min Scan# 3114

Delta R.T. -0.006 min

Lab File: BG061780.D

Acq: 28 Jun 2024 20:24

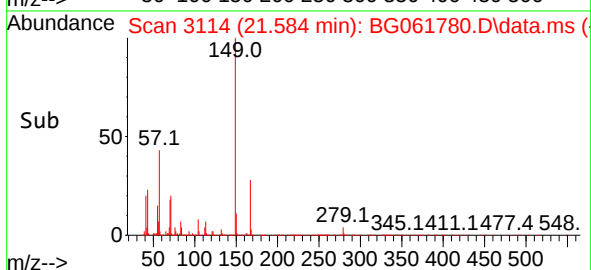
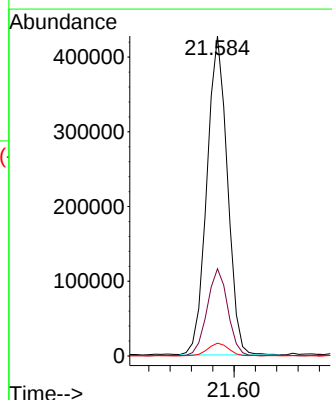
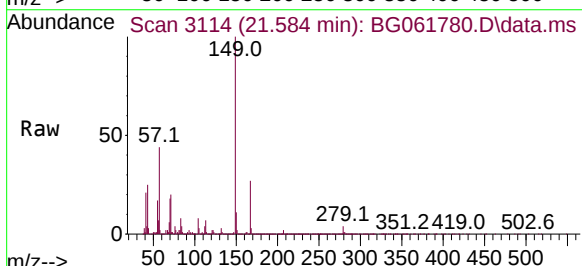
Tgt Ion:149 Resp: 570001

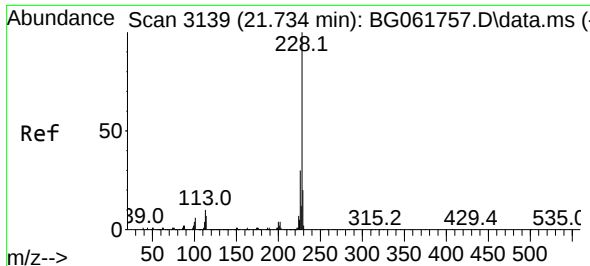
Ion Ratio Lower Upper

149 100

167 27.2 20.5 30.7

279 4.0 2.9 4.3





#87

Chrysene

Concen: 5.056 ng/u1

RT: 21.737 min Scan# 31

Delta R.T. -0.000 min

Lab File: BG061780.D

Acq: 28 Jun 2024 20:24

Instrument :

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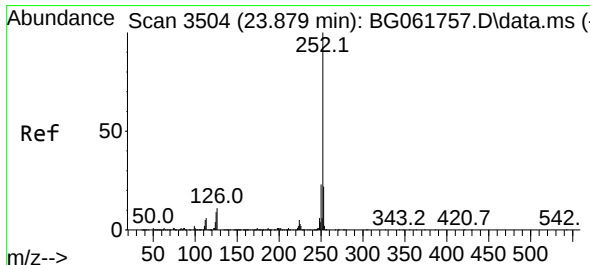
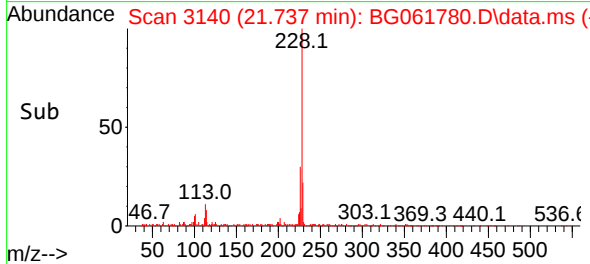
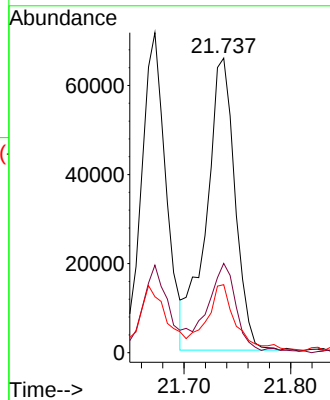
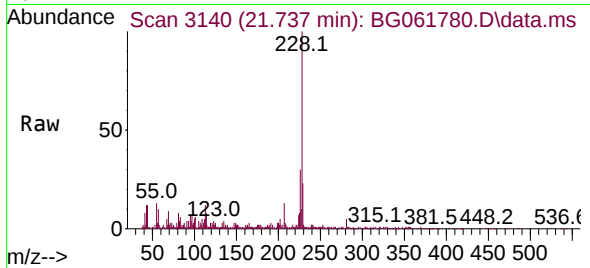
Tgt Ion:228 Resp: 122885

Ion Ratio Lower Upper

228 100

226 30.3 24.2 36.2

229 23.1 16.5 24.7



#90

Benzo(b)fluoranthene

Concen: 1.753 ng/u1

RT: 23.952 min Scan# 3517

Delta R.T. 0.065 min

Lab File: BG061780.D

Acq: 28 Jun 2024 20:24

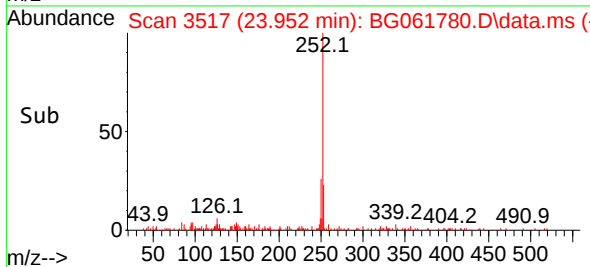
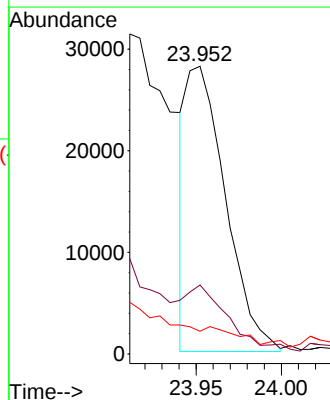
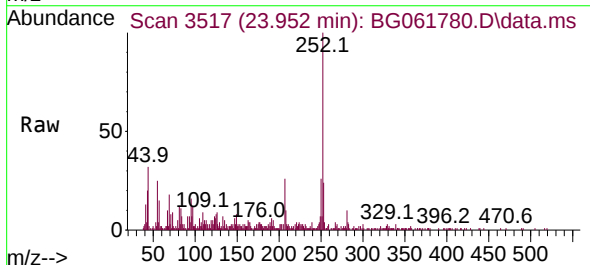
Tgt Ion:252 Resp: 44557

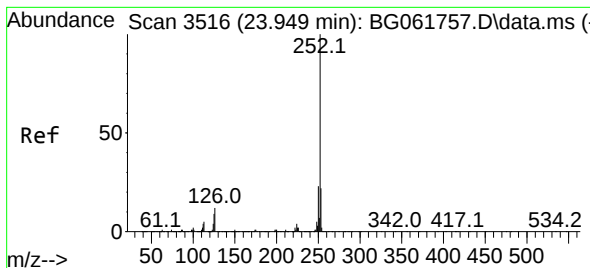
Ion Ratio Lower Upper

252 100

253 24.0 18.6 27.8

125 7.9 7.0 10.6





#91

Benzo(k)fluoranthene

Concen: 1.666 ng/ul

RT: 23.952 min Scan# 3

Delta R.T. -0.006 min

Lab File: BG061780.D

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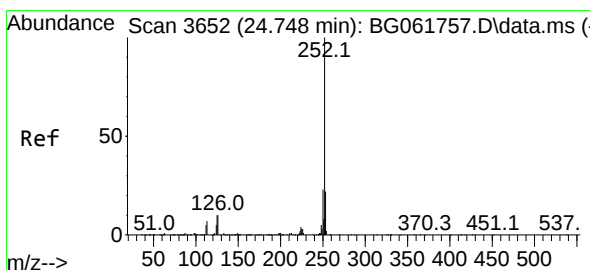
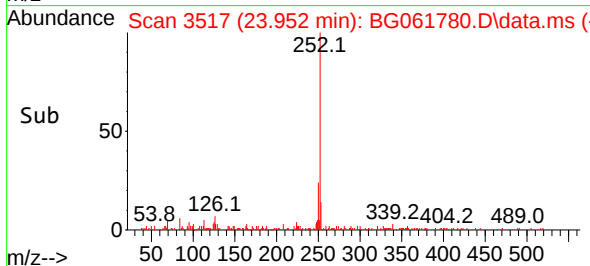
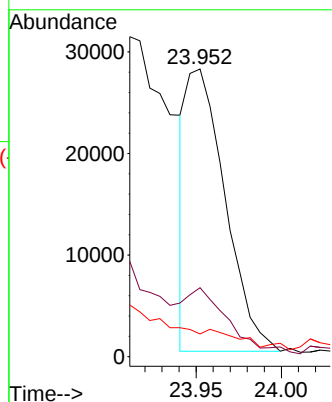
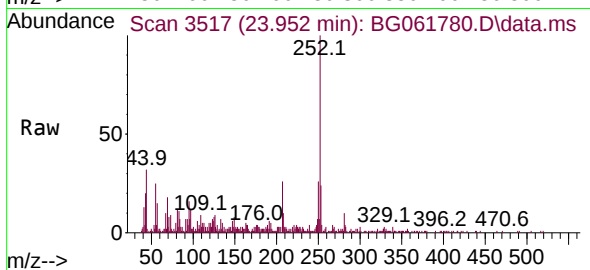
Tgt Ion:252 Resp: 43549

Ion Ratio Lower Upper

252 100

253 24.0 17.8 26.6

125 7.9 6.2 9.2



#93

Benzo(a)pyrene

Concen: 2.571 ng/ul

RT: 24.751 min Scan# 3653

Delta R.T. -0.012 min

Lab File: BG061780.D

Acq: 28 Jun 2024 20:24

Tgt Ion:252 Resp: 62911

Ion Ratio Lower Upper

252 100

253 25.6 16.8 25.2#

125 12.3 6.5 9.7#

