

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052924\  
 Data File : BG061355.D  
 Acq On : 30 May 2024 9:45  
 Operator : MA/JU  
 Sample : P2571-20  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BH6A4

Quant Time: May 31 02:05:44 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 30 22:54:48 2024  
 Response via : Initial Calibration

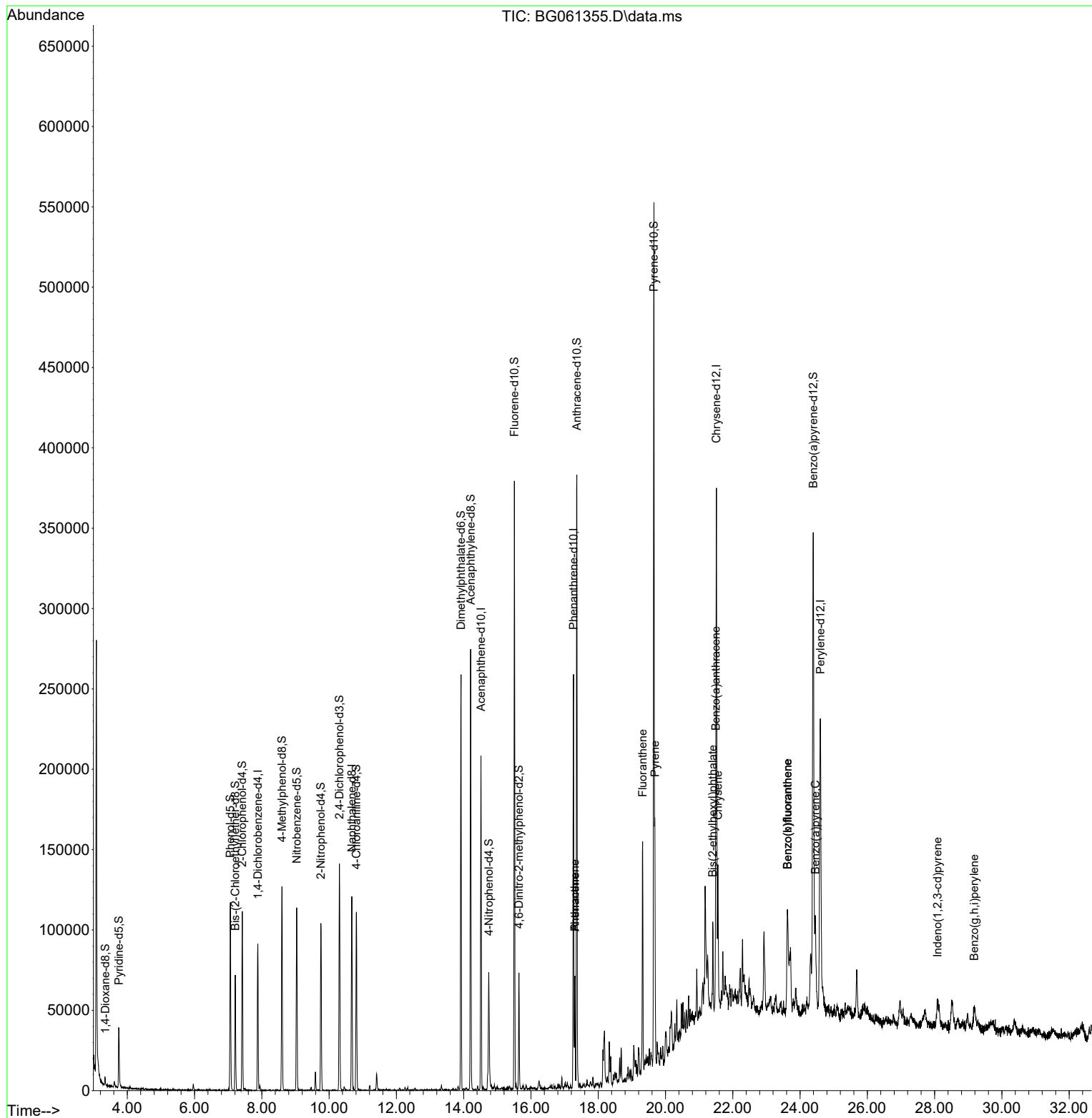
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.882  | 152  | 22981    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.673 | 136  | 97496    | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.516 | 164  | 72563    | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.265 | 188  | 162721   | 20.000 | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 21.513 | 240  | 172064   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.604 | 264  | 187621   | 20.000 | ng/ul  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.346  | 96   | 2099     | 5.111  | ng/uL  | 0.01     |
| 4) Pyridine-d5                | 3.752  | 84   | 17245    | 11.804 | ng/ul  | 0.01     |
| 7) Phenol-d5                  | 7.066  | 99   | 54361    | 28.805 | ng/ul  | 0.01     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.213  | 67   | 34304    | 28.919 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.418  | 132  | 44158    | 31.616 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.599  | 113  | 42341    | 26.312 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.040  | 128  | 22709    | 30.252 | ng/ul  | 0.01     |
| 24) 2-Nitrophenol-d4          | 9.757  | 143  | 26752    | 30.451 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.309 | 165  | 53336    | 31.142 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.808 | 131  | 53304    | 23.789 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.922 | 166  | 165578   | 29.421 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.210 | 160  | 186798   | 31.926 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.751 | 143  | 16400    | 23.571 | ng/ul  | 0.01     |
| 60) Fluorene-d10              | 15.509 | 176  | 147850   | 30.429 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.644 | 200  | 14676    | 14.912 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.365 | 188  | 231783   | 32.309 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.657 | 212  | 287905   | 32.588 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.392 | 264  | 318934   | 35.358 | ng/ul  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        |        | Qvalue   |
| 72) Phenanthrene              | 17.307 | 178  | 43654    | 5.527  | ng/ul  | 96       |
| 74) Anthracene                | 17.307 | 178  | 43654    | 5.346  | ng/ul  | 95       |
| 80) Fluoranthene              | 19.322 | 202  | 90688    | 8.557  | ng/ul  | 99       |
| 82) Pyrene                    | 19.686 | 202  | 96924    | 8.810  | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.496 | 228  | 52083    | 4.387  | ng/ul  | 93       |
| 86) Bis(2-ethylhexyl)phtha... | 21.408 | 149  | 17686    | 3.162  | ng/ul  | 93       |
| 87) Chrysene                  | 21.560 | 228  | 64040    | 5.858  | ng/ul  | 95       |
| 90) Benzo(b)fluoranthene      | 23.629 | 252  | 79973    | 7.159  | ng/ul# | 98       |
| 91) Benzo(k)fluoranthene      | 23.629 | 252  | 79973    | 7.052  | ng/ul# | 96       |
| 93) Benzo(a)pyrene            | 24.457 | 252  | 52614    | 4.960  | ng/ul# | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.088 | 276  | 25051    | 1.953  | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 29.181 | 276  | 16883    | 1.654  | ng/ul  | 97       |
| -----                         |        |      |          |        |        |          |

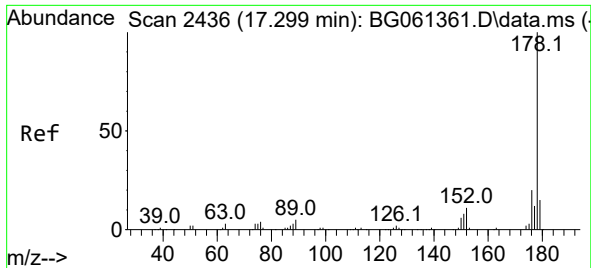
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052924\  
Data File : BG061355.D  
Acq On : 30 May 2024 9:45  
Operator : MA/JU  
Sample : P2571-20  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BH6A4

Quant Time: May 31 02:05:44 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG052124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu May 30 22:54:48 2024  
Response via : Initial Calibration

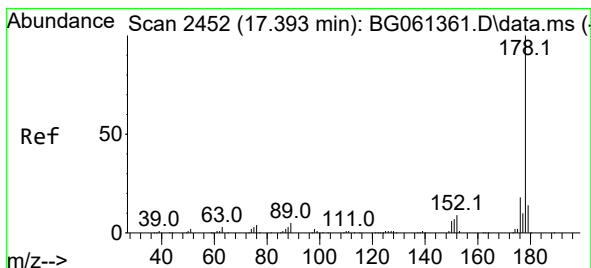
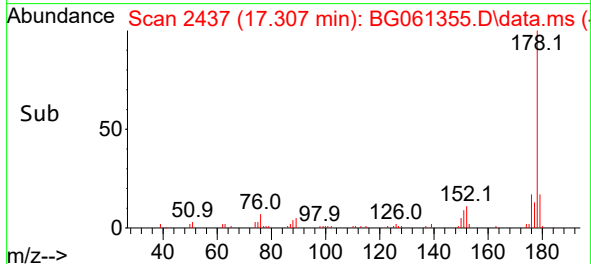
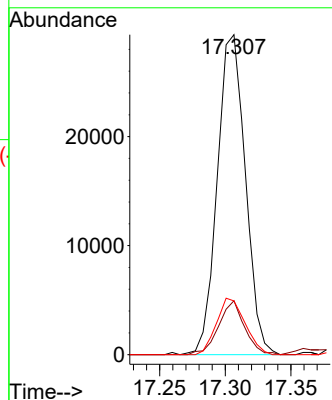
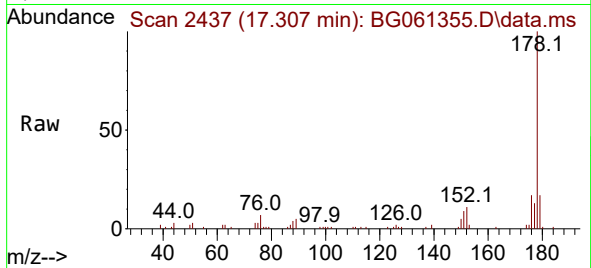




#72  
Phenanthrene  
Concen: 5.527 ng/ul  
RT: 17.307 min Scan# 2437  
Delta R.T. 0.007 min  
Lab File: BG061355.D  
Acq: 30 May 2024 9:45

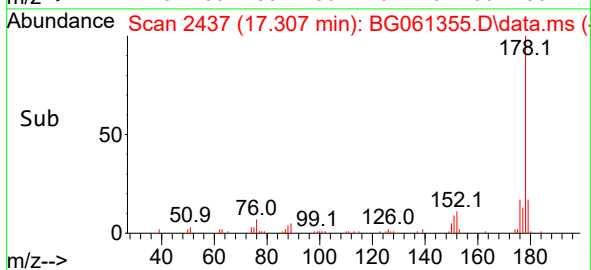
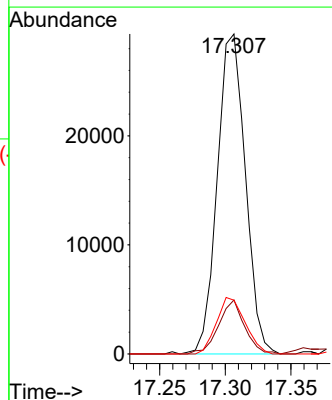
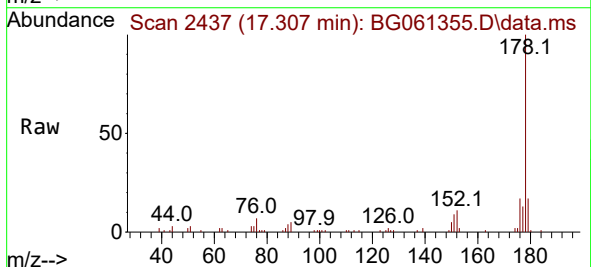
Instrument :  
BNA\_G  
ClientSampleId :  
BH6A4

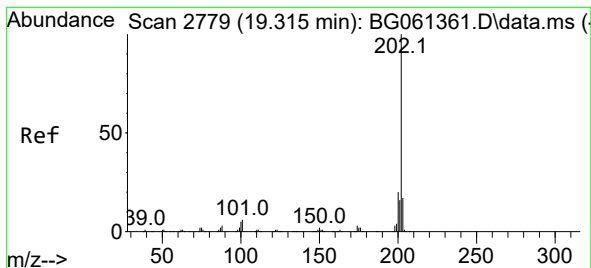
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 16.9  | 12.7  | 19.1  |
| 176     | 16.8  | 15.5  | 23.3  |



#74  
Anthracene  
Concen: 5.346 ng/ul  
RT: 17.307 min Scan# 2437  
Delta R.T. -0.087 min  
Lab File: BG061355.D  
Acq: 30 May 2024 9:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 16.9  | 11.8  | 17.6  |
| 176     | 16.8  | 14.9  | 22.3  |





#80

Fluoranthene

Concen: 8.557 ng/ul

RT: 19.322 min Scan# 21

Delta R.T. 0.007 min

Lab File: BG061355.D

Acq: 30 May 2024 9:45

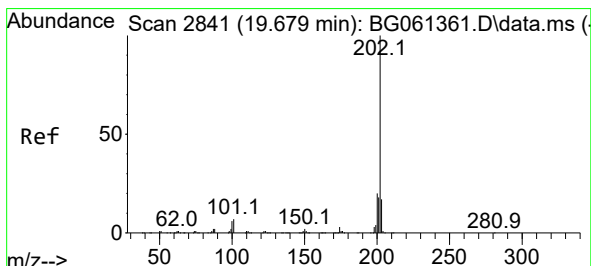
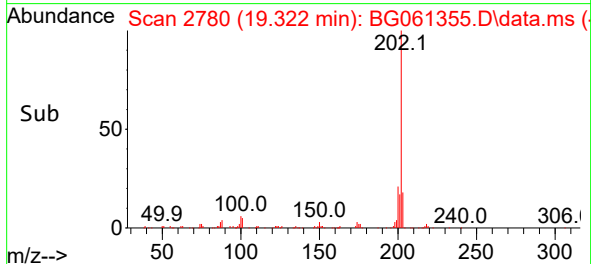
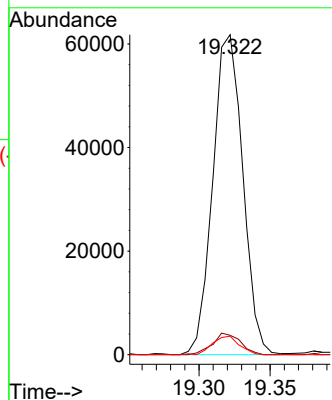
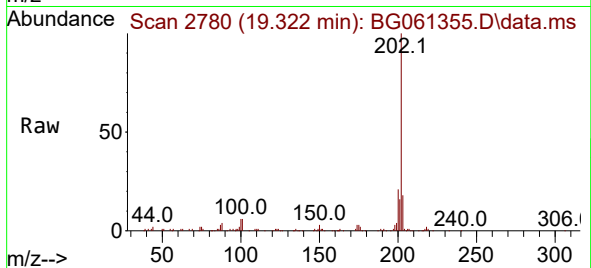
Instrument :

BNA\_G

ClientSampleId :

BH6A4

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 202   | Resp: | 90688 |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 101      | 6.0   | 4.8   | 7.2   |
| 100      | 5.8   | 4.1   | 6.1   |



#82

Pyrene

Concen: 8.810 ng/ul

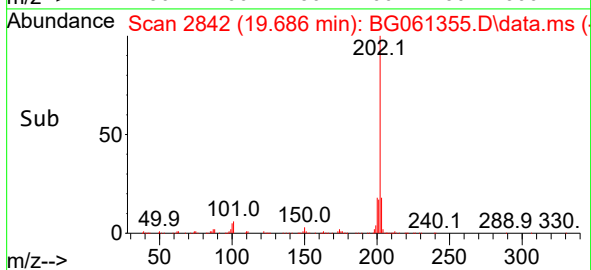
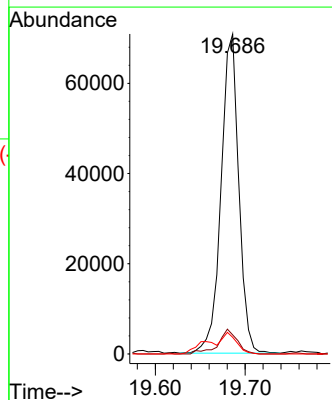
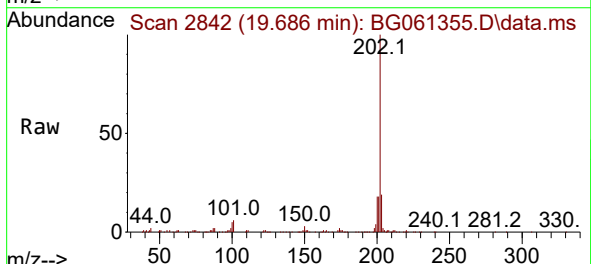
RT: 19.686 min Scan# 2842

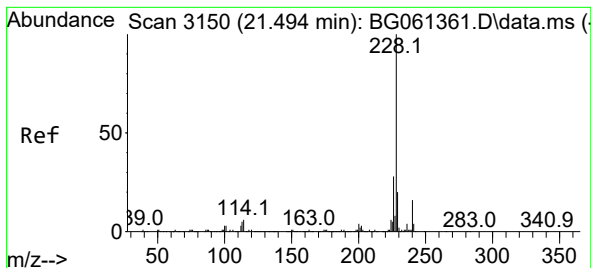
Delta R.T. 0.007 min

Lab File: BG061355.D

Acq: 30 May 2024 9:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 202   | Resp: | 96924 |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 101      | 6.0   | 5.7   | 8.5   |
| 100      | 5.2   | 5.1   | 7.7   |





#85

Benzo(a)anthracene

Concen: 4.387 ng/ul

RT: 21.496 min Scan# 3150

Delta R.T. 0.001 min

Lab File: BG061355.D

Acq: 30 May 2024 9:45

Instrument :

BNA\_G

ClientSampleId :

BH6A4

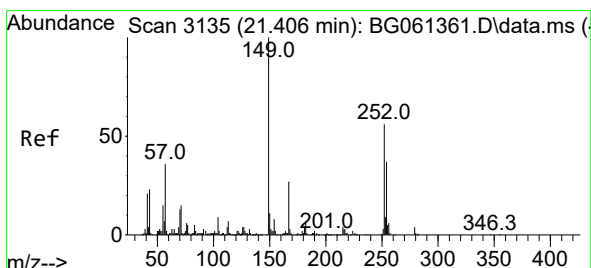
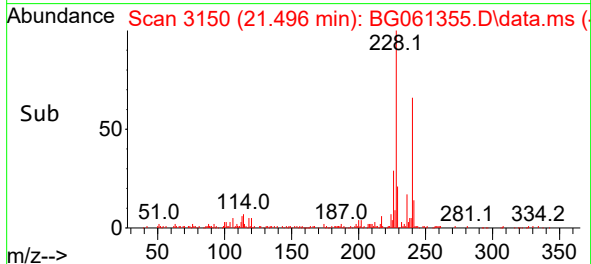
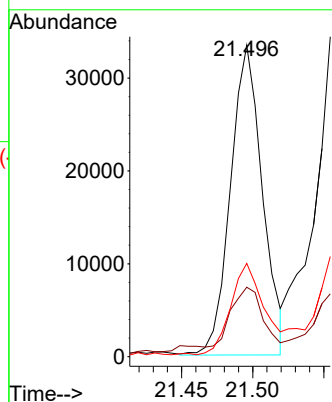
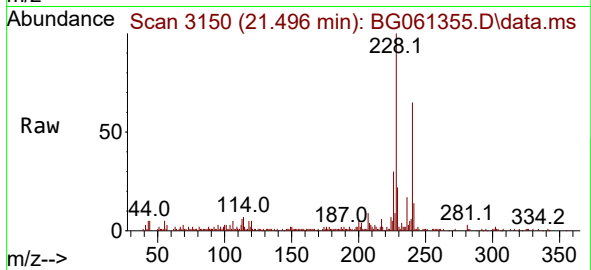
Tgt Ion:228 Resp: 52083

Ion Ratio Lower Upper

228 100

229 22.3 15.2 22.8

226 30.0 21.4 32.2



#86

Bis(2-ethylhexyl)phthalate

Concen: 3.162 ng/ul

RT: 21.408 min Scan# 3135

Delta R.T. 0.001 min

Lab File: BG061355.D

Acq: 30 May 2024 9:45

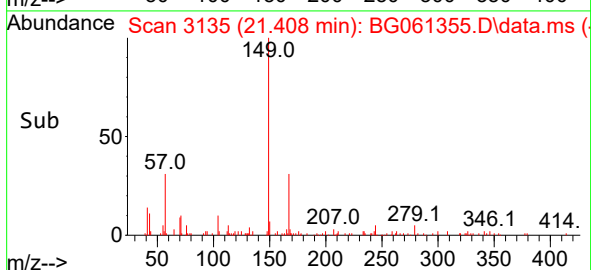
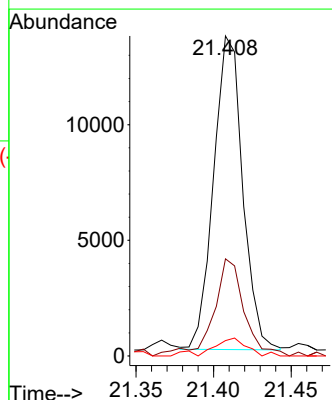
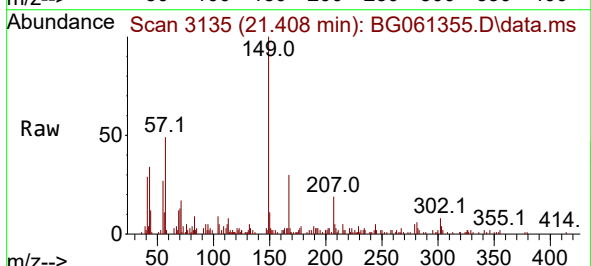
Tgt Ion:149 Resp: 17686

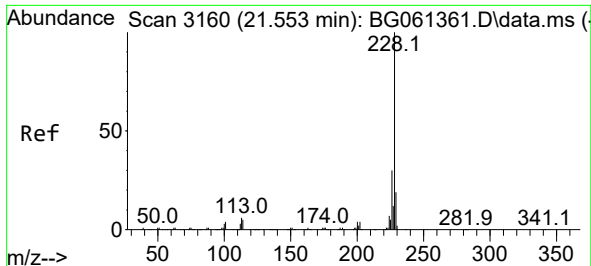
Ion Ratio Lower Upper

149 100

167 30.3 21.1 31.7

279 4.8 3.3 4.9





#87

Chrysene

Concen: 5.858 ng/ul

RT: 21.560 min Scan# 31

Delta R.T. 0.007 min

Lab File: BG061355.D

Acq: 30 May 2024 9:45

Instrument :

BNA\_G

ClientSampleId :

BH6A4

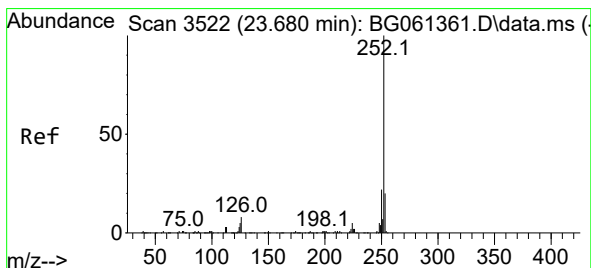
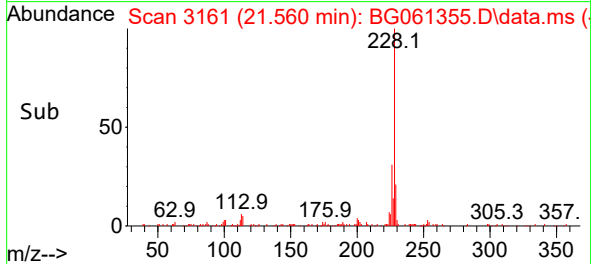
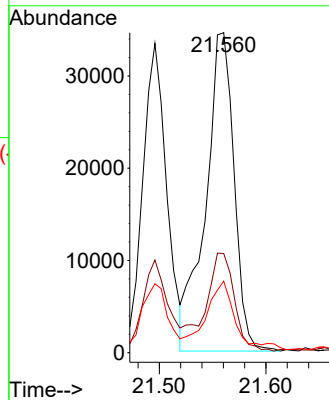
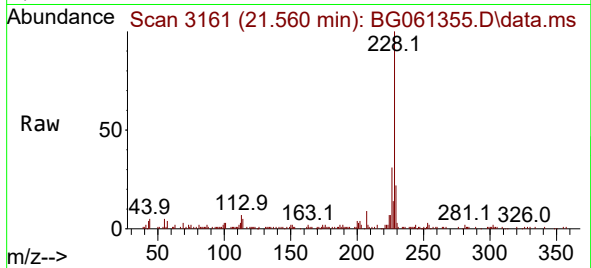
Tgt Ion:228 Resp: 64040

Ion Ratio Lower Upper

228 100

226 31.0 23.4 35.0

229 22.3 15.4 23.2



#90

Benzo(b)fluoranthene

Concen: 7.159 ng/ul

RT: 23.629 min Scan# 3513

Delta R.T. 0.013 min

Lab File: BG061355.D

Acq: 30 May 2024 9:45

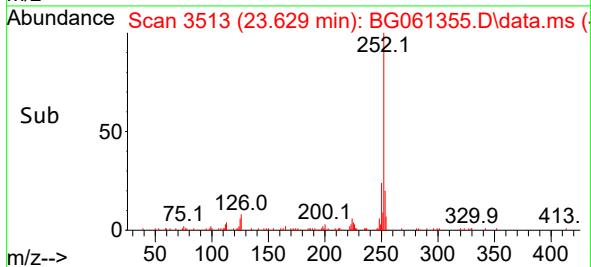
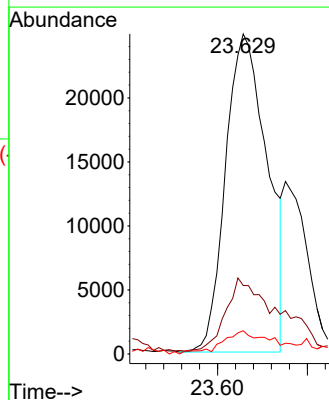
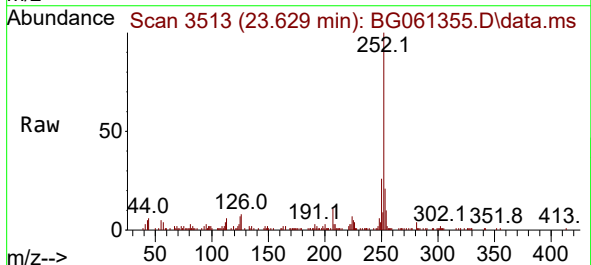
Tgt Ion:252 Resp: 79973

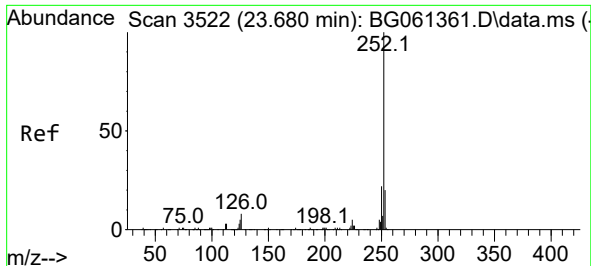
Ion Ratio Lower Upper

252 100

253 21.4 17.8 26.8

125 7.2 4.6 6.8#

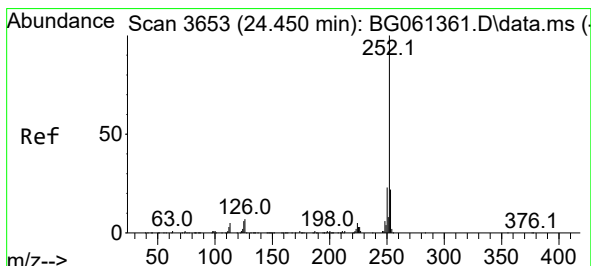
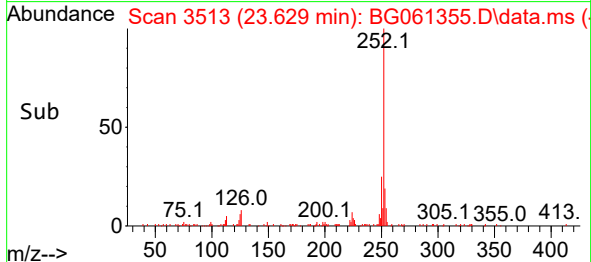
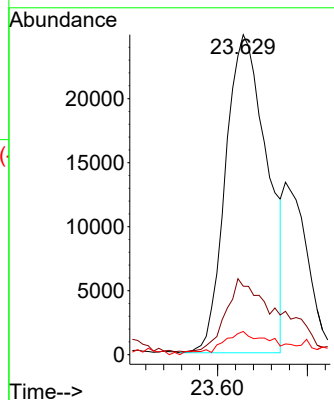
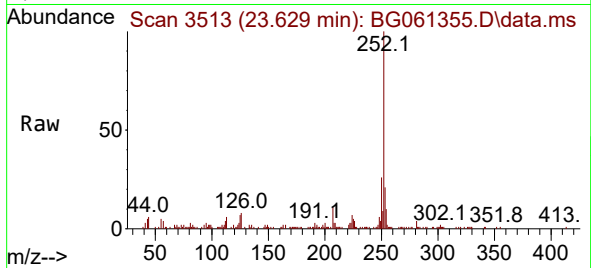




#91  
Benzo(k)fluoranthene  
Concen: 7.052 ng/ul  
RT: 23.629 min Scan# 3513  
Delta R.T. -0.052 min  
Lab File: BG061355.D  
Acq: 30 May 2024 9:45

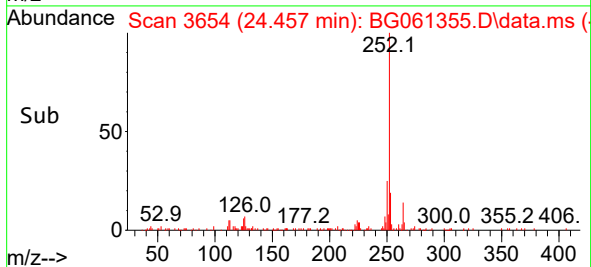
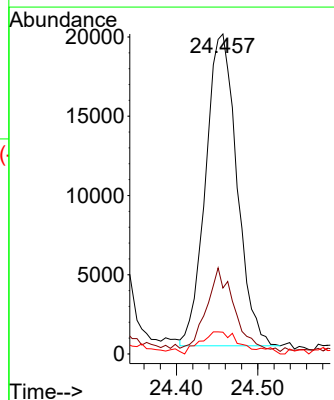
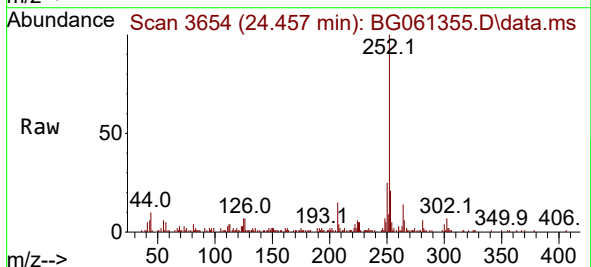
Instrument :  
BNA\_G  
ClientSampleId :  
BH6A4

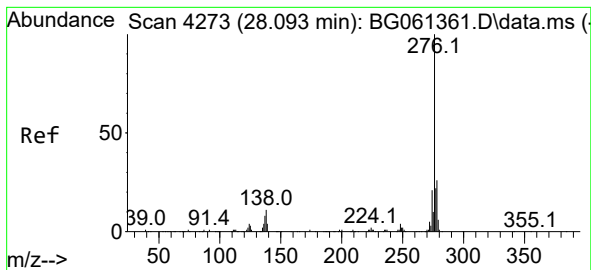
Tgt Ion:252 Resp: 79973  
Ion Ratio Lower Upper  
252 100  
253 21.4 16.0 24.0  
125 7.2 4.3 6.5#



#93  
Benzo(a)pyrene  
Concen: 4.960 ng/ul  
RT: 24.457 min Scan# 3654  
Delta R.T. 0.007 min  
Lab File: BG061355.D  
Acq: 30 May 2024 9:45

Tgt Ion:252 Resp: 52614  
Ion Ratio Lower Upper  
252 100  
253 20.6 16.4 24.6  
125 6.8 4.3 6.5#





#94

Indeno(1,2,3-cd)pyrene

Concen: 1.953 ng/ul

RT: 28.088 min Scan# 41

Delta R.T. -0.005 min

Lab File: BG061355.D

Acq: 30 May 2024 9:45

Instrument :

BNA\_G

ClientSampleId :

BH6A4

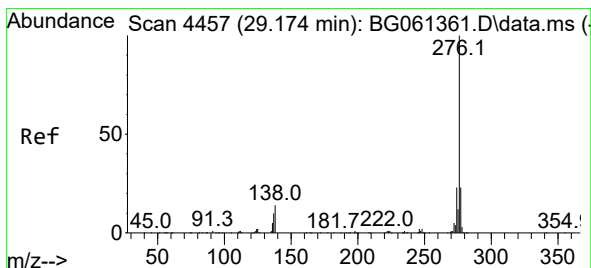
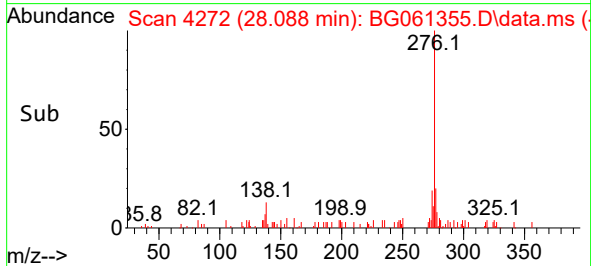
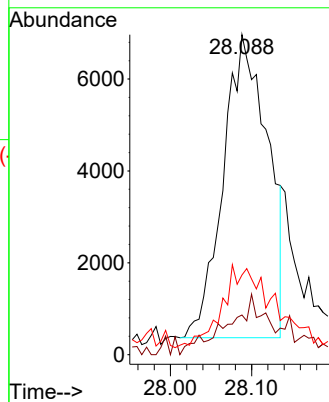
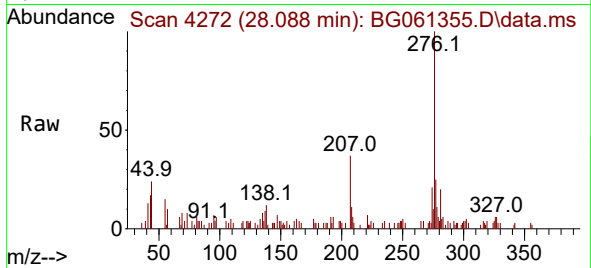
Tgt Ion:276 Resp: 25051

Ion Ratio Lower Upper

276 100

138 12.4 8.6 13.0

277 24.9 19.7 29.5



#96

Benzo(g,h,i)perylene

Concen: 1.654 ng/ul

RT: 29.181 min Scan# 4458

Delta R.T. 0.007 min

Lab File: BG061355.D

Acq: 30 May 2024 9:45

Tgt Ion:276 Resp: 16883

Ion Ratio Lower Upper

276 100

138 12.4 8.7 13.1

277 21.4 18.2 27.2

