

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060324\  
 Data File : BG061430.D  
 Acq On : 3 Jun 2024 19:33  
 Operator : MA/JU  
 Sample : P2577-09DL 5X  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BHBN7DL

Quant Time: Jun 03 22:48:45 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

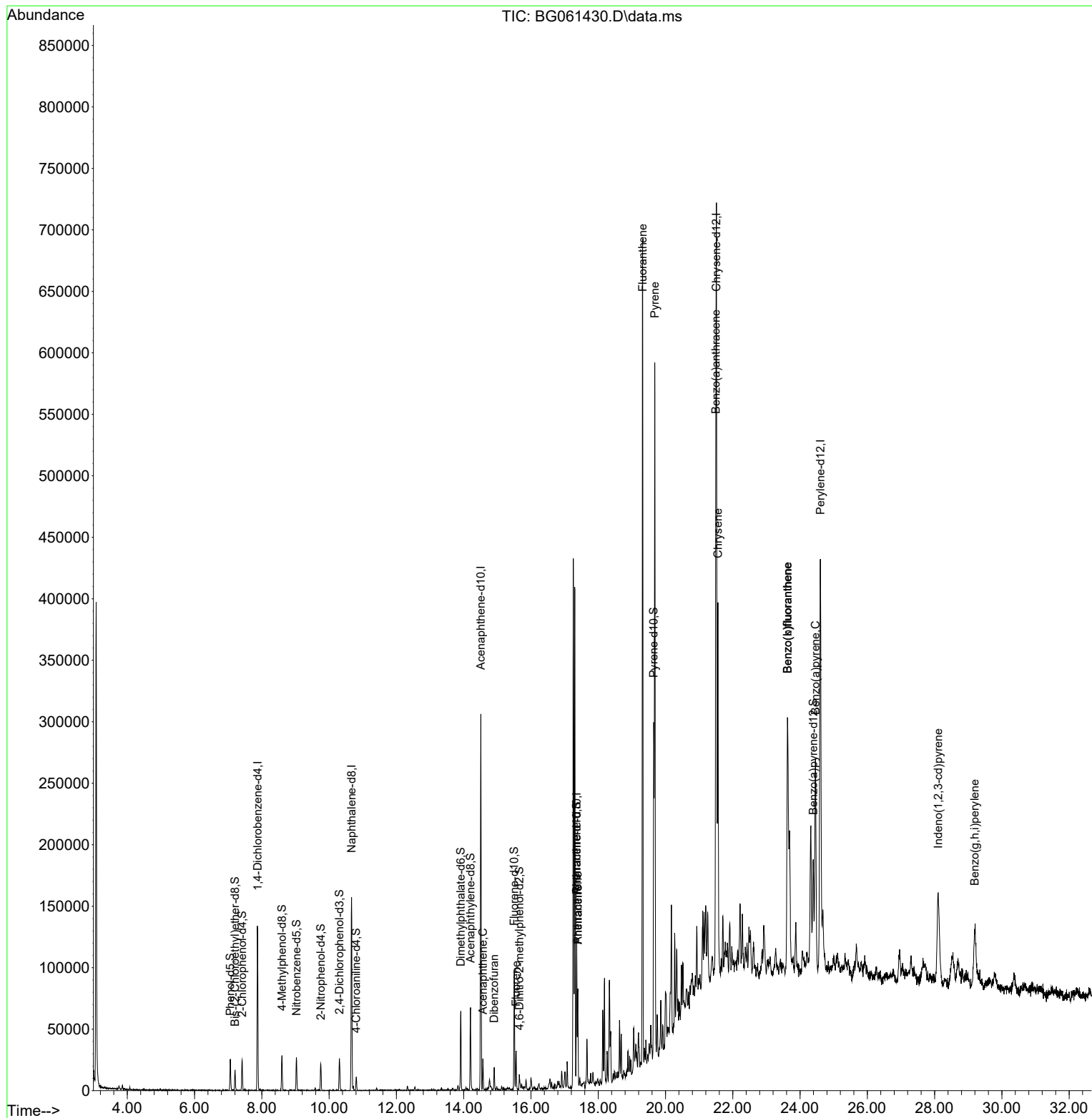
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.877  | 152  | 34890    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.667 | 136  | 122272   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.510 | 164  | 108954   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.360 | 188  | 68344    | 20.000 | ng/u1  | 0.10     |
| 79) Chrysene-d12              | 21.514 | 240  | 291767   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.604 | 264  | 341232   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.329  | 96   | 393      | 0.630  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.758  | 84   | 926      | 0.417  | ng/u1  | 0.02     |
| 7) Phenol-d5                  | 7.060  | 99   | 12568    | 4.386  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.201  | 67   | 8000     | 4.442  | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.418  | 132  | 10108    | 4.767  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.599  | 113  | 10210    | 4.179  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.034  | 128  | 5274     | 5.602  | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.757  | 143  | 5742     | 5.212  | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.309 | 165  | 10602    | 4.936  | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.803 | 131  | 6125     | 2.180  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.917 | 166  | 43046    | 5.094  | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.205 | 160  | 47178    | 5.370  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.763 | 143  | 1033     | 0.989  | ng/u1  | 0.03     |
| 60) Fluorene-d10              | 15.503 | 176  | 39788    | 5.454  | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.656 | 200  | 2284     | 5.525  | ng/u1  | 0.02     |
| 73) Anthracene-d10            | 17.360 | 188  | 68344    | 22.682 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.651 | 212  | 86577    | 5.779  | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.393 | 264  | 94172    | 5.740  | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 52) Acenaphthene              | 14.575 | 153  | 9973     | 1.561  | ng/u1# | 92       |
| 56) Dibenzofuran              | 14.910 | 168  | 9769     | 1.069  | ng/u1  | 90       |
| 61) Fluorene                  | 15.562 | 166  | 13264    | 1.678  | ng/u1  | 85       |
| 72) Phenanthrene              | 17.395 | 178  | 51484    | 15.521 | ng/u1  | 97       |
| 74) Anthracene                | 17.395 | 178  | 51484    | 15.011 | ng/u1  | 98       |
| 80) Fluoranthene              | 19.322 | 202  | 436363   | 24.281 | ng/u1  | 99       |
| 82) Pyrene                    | 19.680 | 202  | 385914   | 20.687 | ng/u1  | 100      |
| 85) Benzo(a)anthracene        | 21.496 | 228  | 220963   | 10.976 | ng/u1  | 98       |
| 87) Chrysene                  | 21.561 | 228  | 219918   | 11.864 | ng/u1  | 97       |
| 90) Benzo(b)fluoranthene      | 23.629 | 252  | 266791   | 13.132 | ng/u1  | 97       |
| 91) Benzo(k)fluoranthene      | 23.629 | 252  | 266791   | 12.935 | ng/u1# | 93       |
| 93) Benzo(a)pyrene            | 24.457 | 252  | 194516   | 10.083 | ng/u1# | 95       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.106 | 276  | 117665   | 5.043  | ng/u1# | 97       |
| 96) Benzo(g,h,i)perylene      | 29.193 | 276  | 40279    | 2.170  | ng/u1  | 99       |
| -----                         |        |      |          |        |        |          |

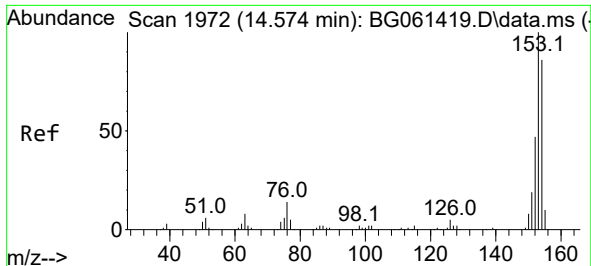
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG060324\  
Data File : BG061430.D  
Acq On : 3 Jun 2024 19:33  
Operator : MA/JU  
Sample : P2577-09DL 5X  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BHBN7DL

Quant Time: Jun 03 22:48:45 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

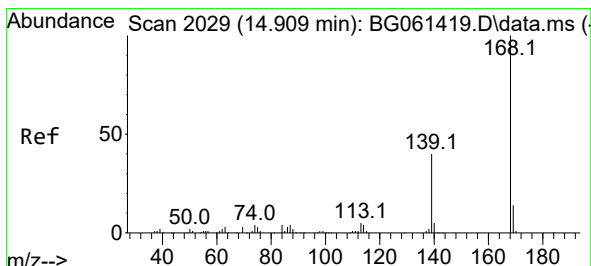
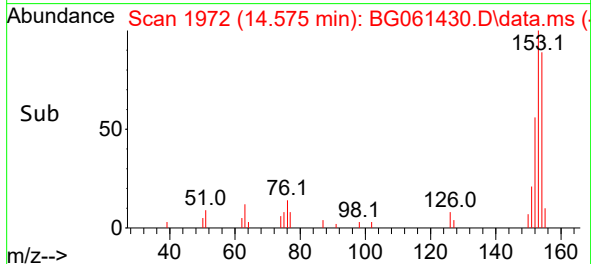
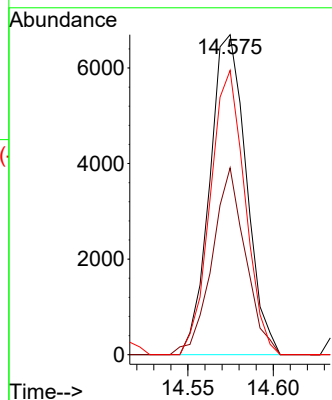
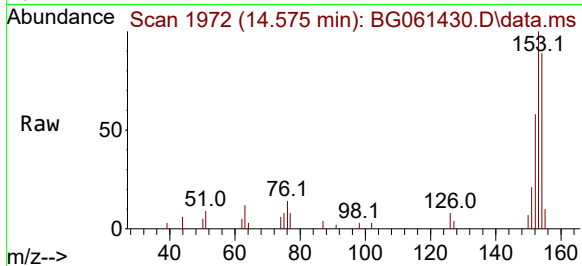




#52  
Acenaphthene  
Concen: 1.561 ng/ul  
RT: 14.575 min Scan# 1972  
Delta R.T. 0.002 min  
Lab File: BG061430.D  
Acq: 3 Jun 2024 19:33

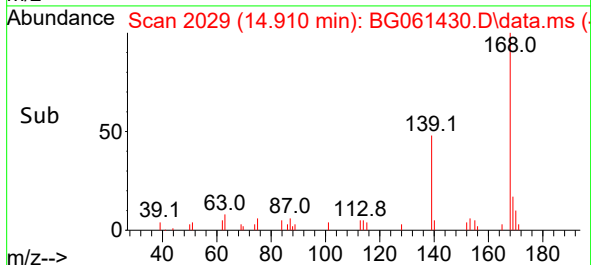
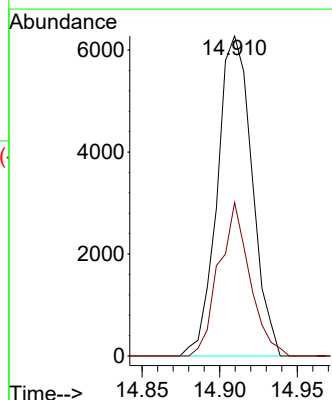
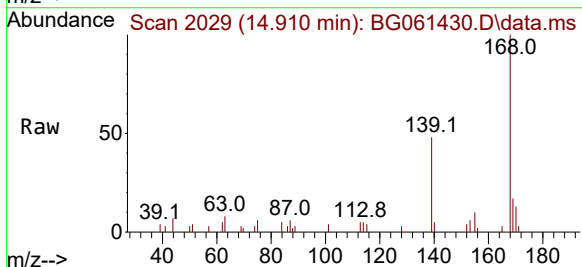
Instrument :  
BNA\_G  
ClientSampleId :  
BHBN7DL

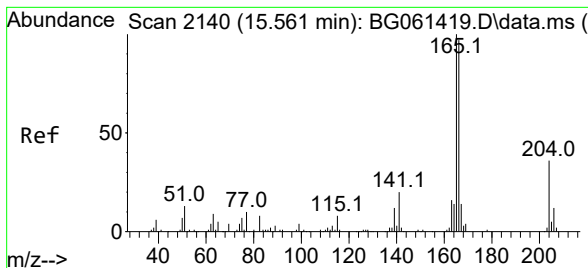
Tgt Ion:153 Resp: 9973  
Ion Ratio Lower Upper  
153 100  
152 58.4 37.8 56.8#  
154 88.8 69.0 103.6



#56  
Dibenzofuran  
Concen: 1.069 ng/ul  
RT: 14.910 min Scan# 2029  
Delta R.T. 0.002 min  
Lab File: BG061430.D  
Acq: 3 Jun 2024 19:33

Tgt Ion:168 Resp: 9769  
Ion Ratio Lower Upper  
168 100  
139 48.0 33.4 50.2





#61

Fluorene

Concen: 1.678 ng/ul

RT: 15.562 min Scan# 2140

Delta R.T. 0.002 min

Lab File: BG061430.D

Acq: 3 Jun 2024 19:33

Instrument :

BNA\_G

ClientSampleId :

BHBN7DL

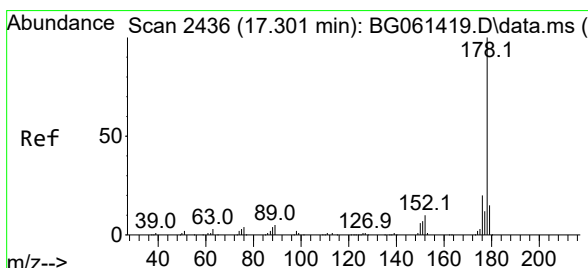
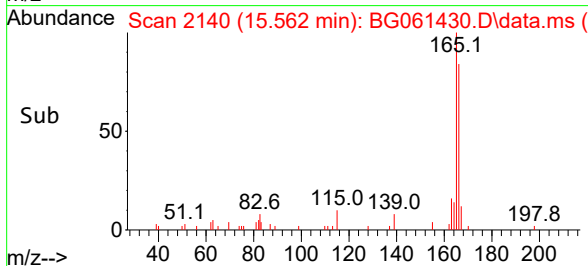
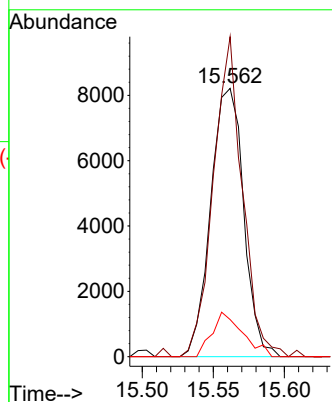
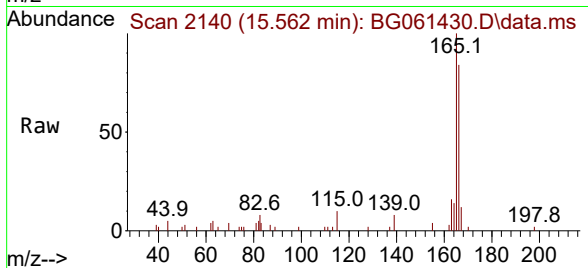
Tgt Ion:166 Resp: 13264

Ion Ratio Lower Upper

166 100

165 119.2 81.8 122.8

167 13.8 10.6 16.0



#72

Phenanthrene

Concen: 15.521 ng/ul

RT: 17.395 min Scan# 2452

Delta R.T. 0.096 min

Lab File: BG061430.D

Acq: 3 Jun 2024 19:33

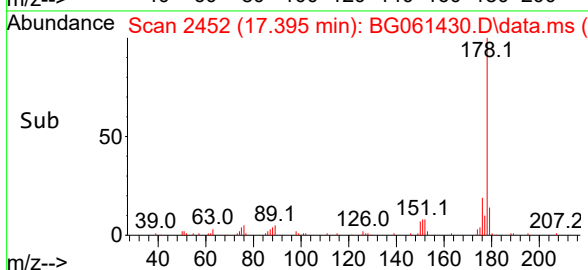
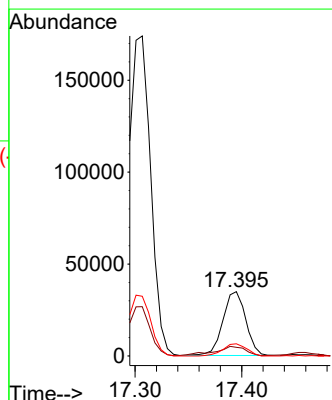
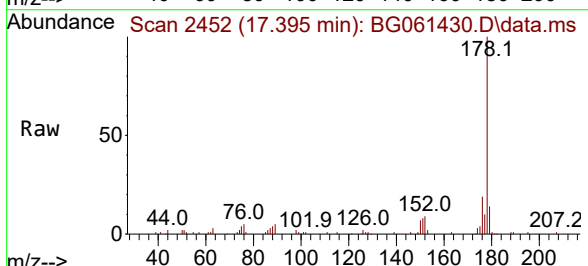
Tgt Ion:178 Resp: 51484

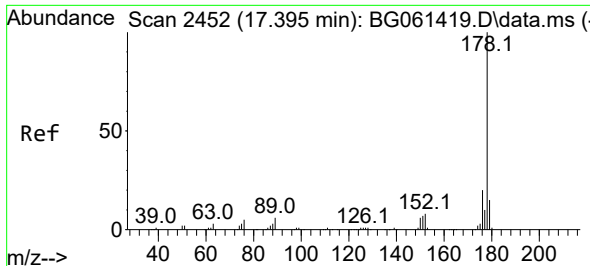
Ion Ratio Lower Upper

178 100

179 13.5 12.7 19.1

176 19.0 15.5 23.3

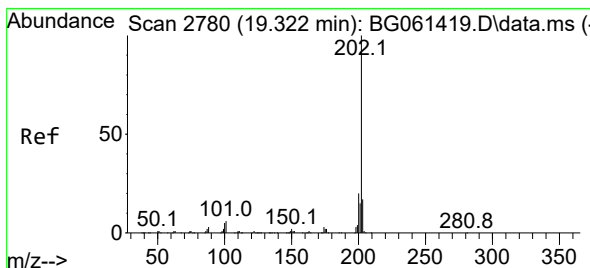
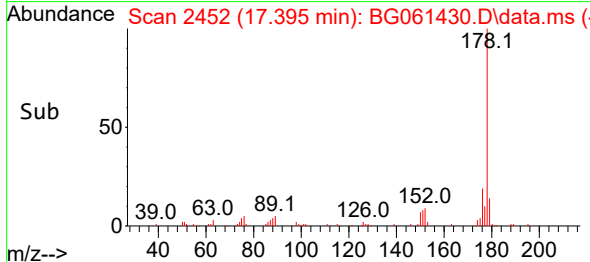
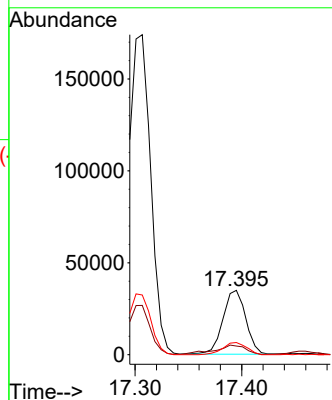
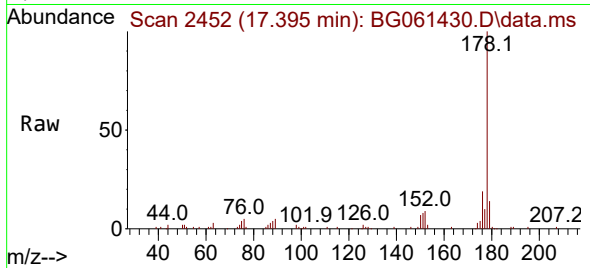




#74  
 Anthracene  
 Concen: 15.011 ng/ul  
 RT: 17.395 min Scan# 2452  
 Delta R.T. 0.002 min  
 Lab File: BG061430.D  
 Acq: 3 Jun 2024 19:33

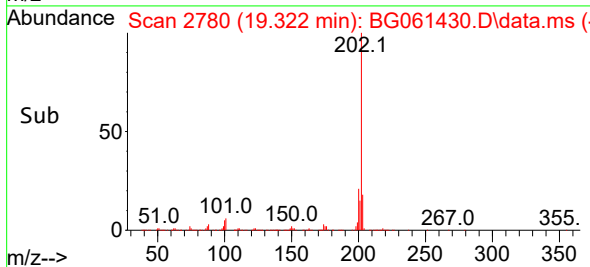
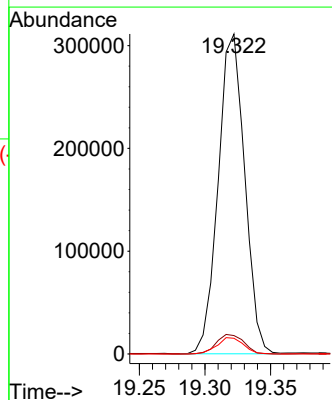
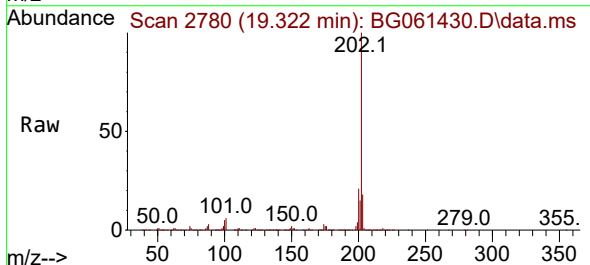
Instrument :  
 BNA\_G  
 ClientSampleId :  
 BHBN7DL

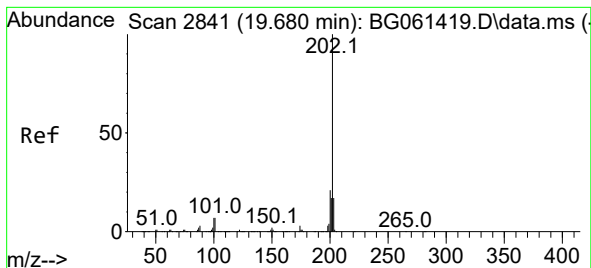
Tgt Ion:178 Resp: 51484  
 Ion Ratio Lower Upper  
 178 100  
 179 13.5 11.8 17.6  
 176 19.0 14.9 22.3



#80  
 Fluoranthene  
 Concen: 24.281 ng/ul  
 RT: 19.322 min Scan# 2780  
 Delta R.T. 0.007 min  
 Lab File: BG061430.D  
 Acq: 3 Jun 2024 19:33

Tgt Ion:202 Resp: 436363  
 Ion Ratio Lower Upper  
 202 100  
 101 5.8 4.8 7.2  
 100 4.9 4.1 6.1





#82

Pyrene

Concen: 20.687 ng/ul

RT: 19.680 min Scan# 21

Delta R.T. 0.002 min

Lab File: BG061430.D

Acq: 3 Jun 2024 19:33

Instrument :

BNA\_G

ClientSampleId :

BHBN7DL

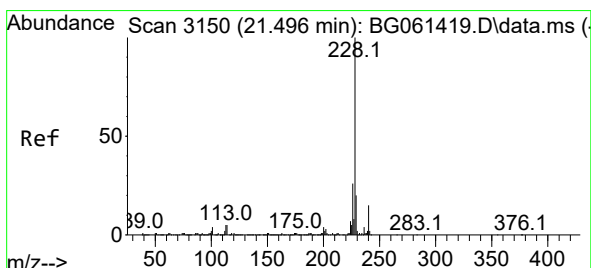
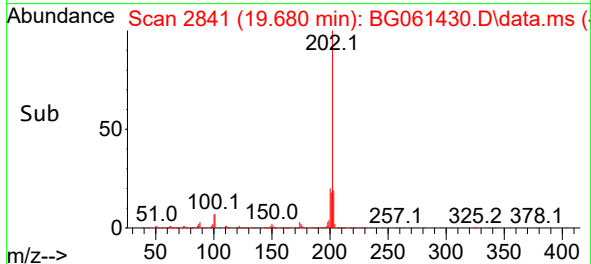
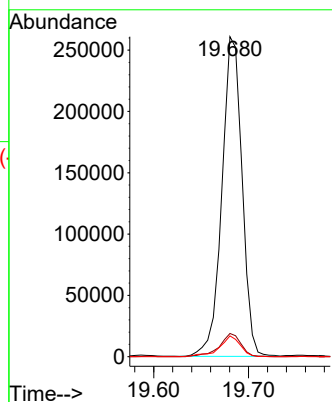
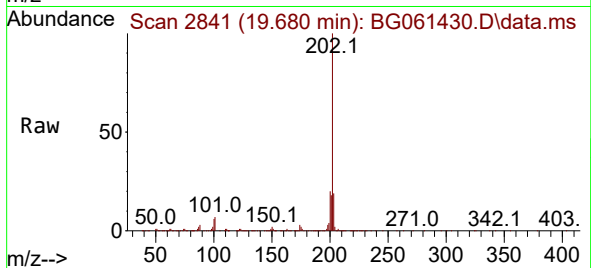
Tgt Ion:202 Resp: 385914

Ion Ratio Lower Upper

202 100

101 7.2 5.7 8.5

100 6.5 5.1 7.7



#85

Benzo(a)anthracene

Concen: 10.976 ng/ul

RT: 21.496 min Scan# 3150

Delta R.T. 0.002 min

Lab File: BG061430.D

Acq: 3 Jun 2024 19:33

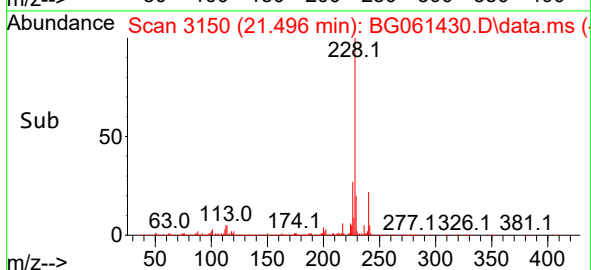
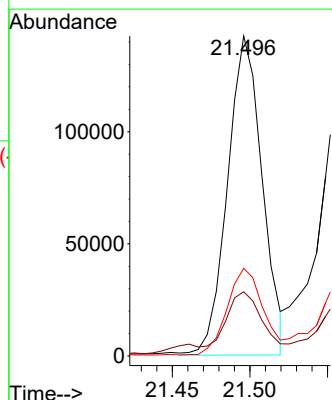
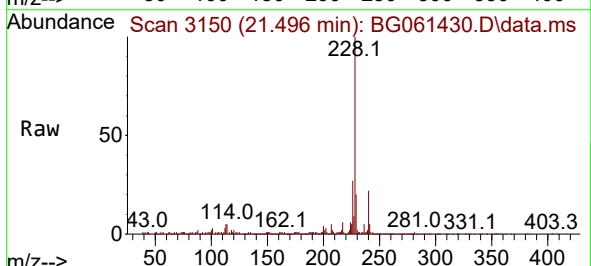
Tgt Ion:228 Resp: 220963

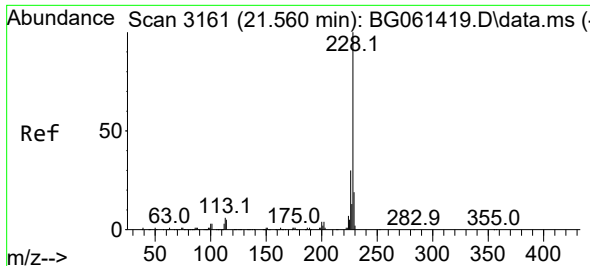
Ion Ratio Lower Upper

228 100

229 20.1 15.2 22.8

226 27.4 21.4 32.2

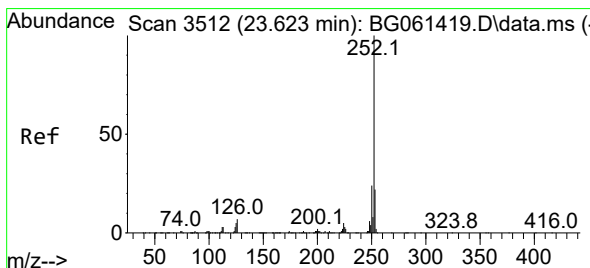
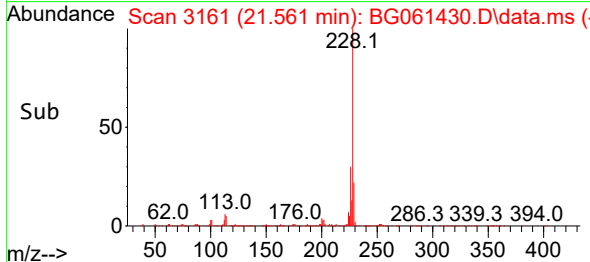
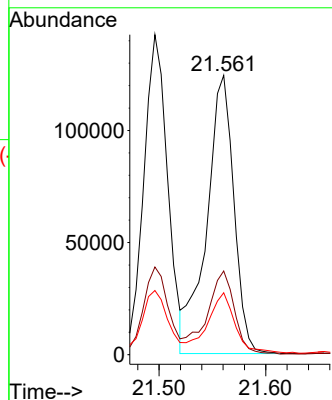
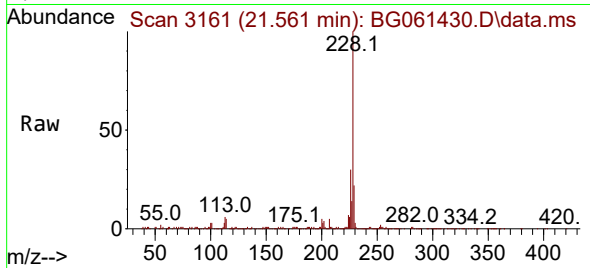




#87  
Chrysene  
Concen: 11.864 ng/ul  
RT: 21.561 min Scan# 3161  
Delta R.T. 0.007 min  
Lab File: BG061430.D  
Acq: 3 Jun 2024 19:33

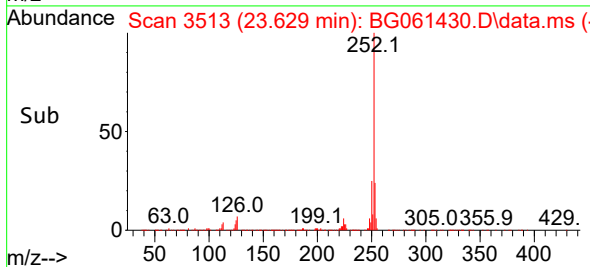
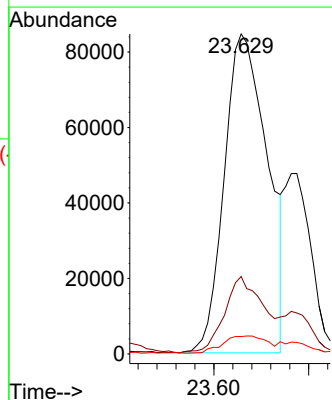
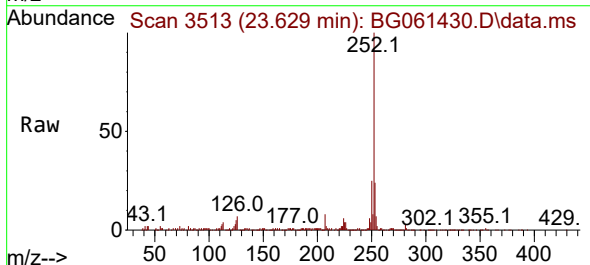
Instrument :  
BNA\_G  
ClientSampleId :  
BHBN7DL

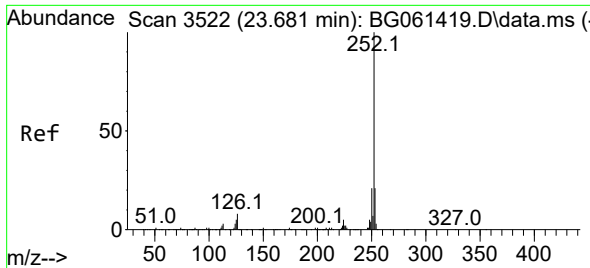
Tgt Ion:228 Resp: 219918  
Ion Ratio Lower Upper  
228 100  
226 30.0 23.4 35.0  
229 22.2 15.4 23.2



#90  
Benzo(b)fluoranthene  
Concen: 13.132 ng/ul  
RT: 23.629 min Scan# 3513  
Delta R.T. 0.013 min  
Lab File: BG061430.D  
Acq: 3 Jun 2024 19:33

Tgt Ion:252 Resp: 266791  
Ion Ratio Lower Upper  
252 100  
253 24.2 17.8 26.8  
125 5.4 4.6 6.8

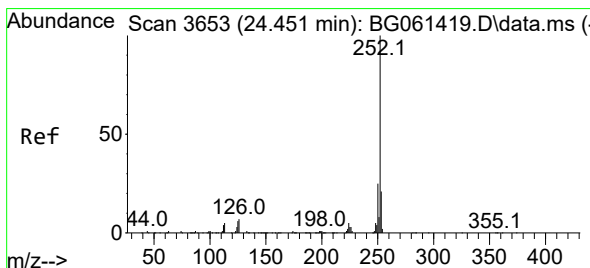
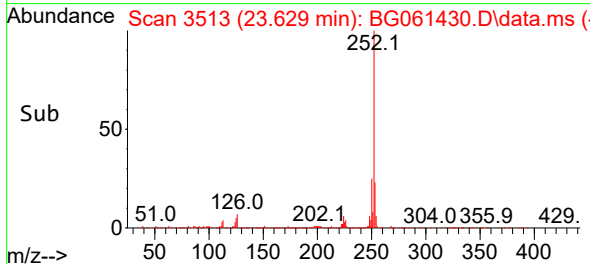
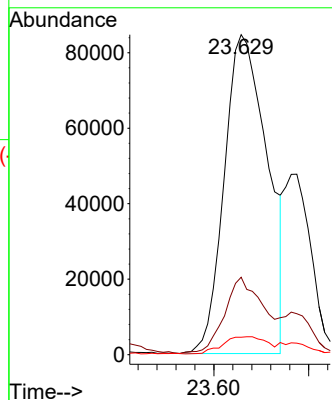
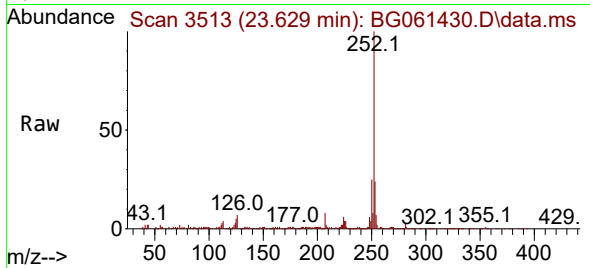




#91  
Benzo(k)fluoranthene  
Concen: 12.935 ng/ul  
RT: 23.629 min Scan# 3513  
Delta R.T. -0.051 min  
Lab File: BG061430.D  
Acq: 3 Jun 2024 19:33

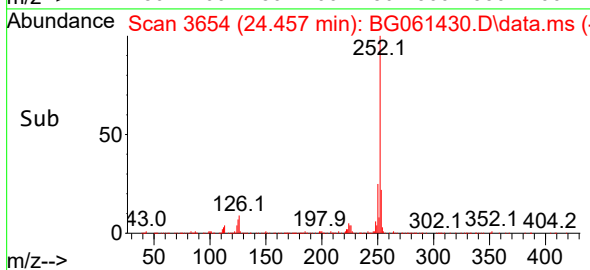
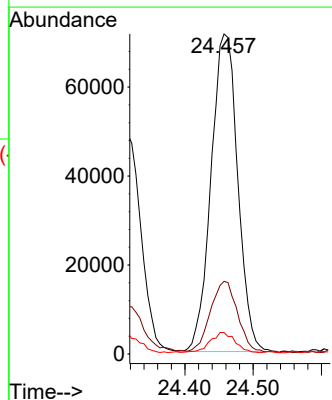
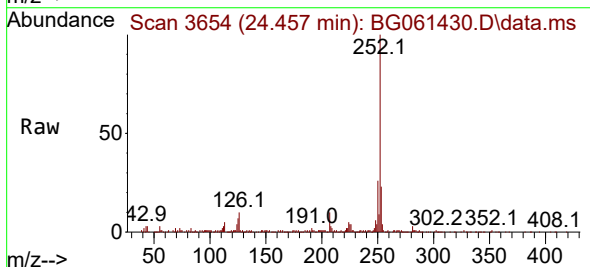
Instrument :  
BNA\_G  
ClientSampleId :  
BHBN7DL

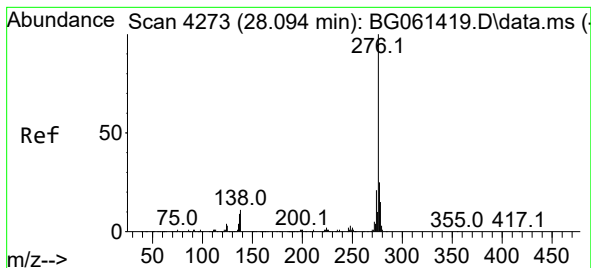
Tgt Ion:252 Resp: 266791  
Ion Ratio Lower Upper  
252 100  
253 24.2 16.0 24.0#  
125 5.4 4.3 6.5



#93  
Benzo(a)pyrene  
Concen: 10.083 ng/ul  
RT: 24.457 min Scan# 3654  
Delta R.T. 0.007 min  
Lab File: BG061430.D  
Acq: 3 Jun 2024 19:33

Tgt Ion:252 Resp: 194516  
Ion Ratio Lower Upper  
252 100  
253 22.7 16.4 24.6  
125 6.7 4.3 6.5#





#94

Indeno(1,2,3-cd)pyrene

Concen: 5.043 ng/ul

RT: 28.106 min Scan# 41

Delta R.T. 0.013 min

Lab File: BG061430.D

Acq: 3 Jun 2024 19:33

Instrument :

BNA\_G

ClientSampleId :

BHBN7DL

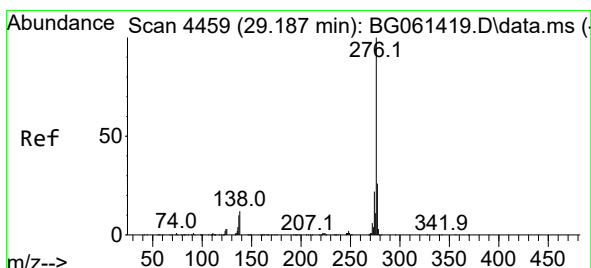
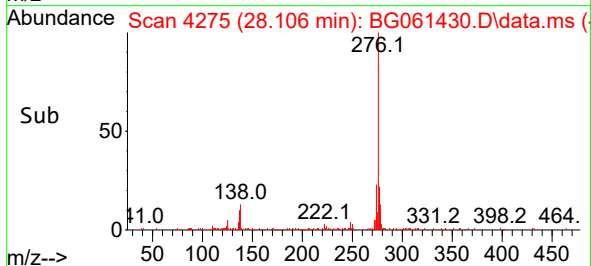
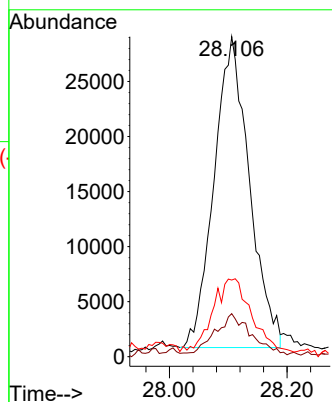
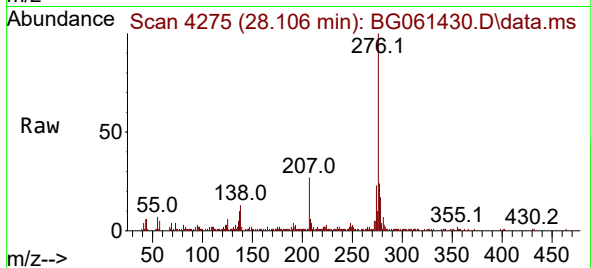
Tgt Ion:276 Resp: 117665

Ion Ratio Lower Upper

276 100

138 13.5 8.6 13.0#

277 23.9 19.7 29.5



#96

Benzo(g,h,i)perylene

Concen: 2.170 ng/ul

RT: 29.193 min Scan# 4460

Delta R.T. 0.019 min

Lab File: BG061430.D

Acq: 3 Jun 2024 19:33

Tgt Ion:276 Resp: 40279

Ion Ratio Lower Upper

276 100

138 11.3 8.7 13.1

277 23.2 18.2 27.2

