

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG052924\  
 Data File : BG061356.D  
 Acq On : 30 May 2024 10:26  
 Operator : MA/JU  
 Sample : P2571-16  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BH670

Quant Time: May 31 02:05:56 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

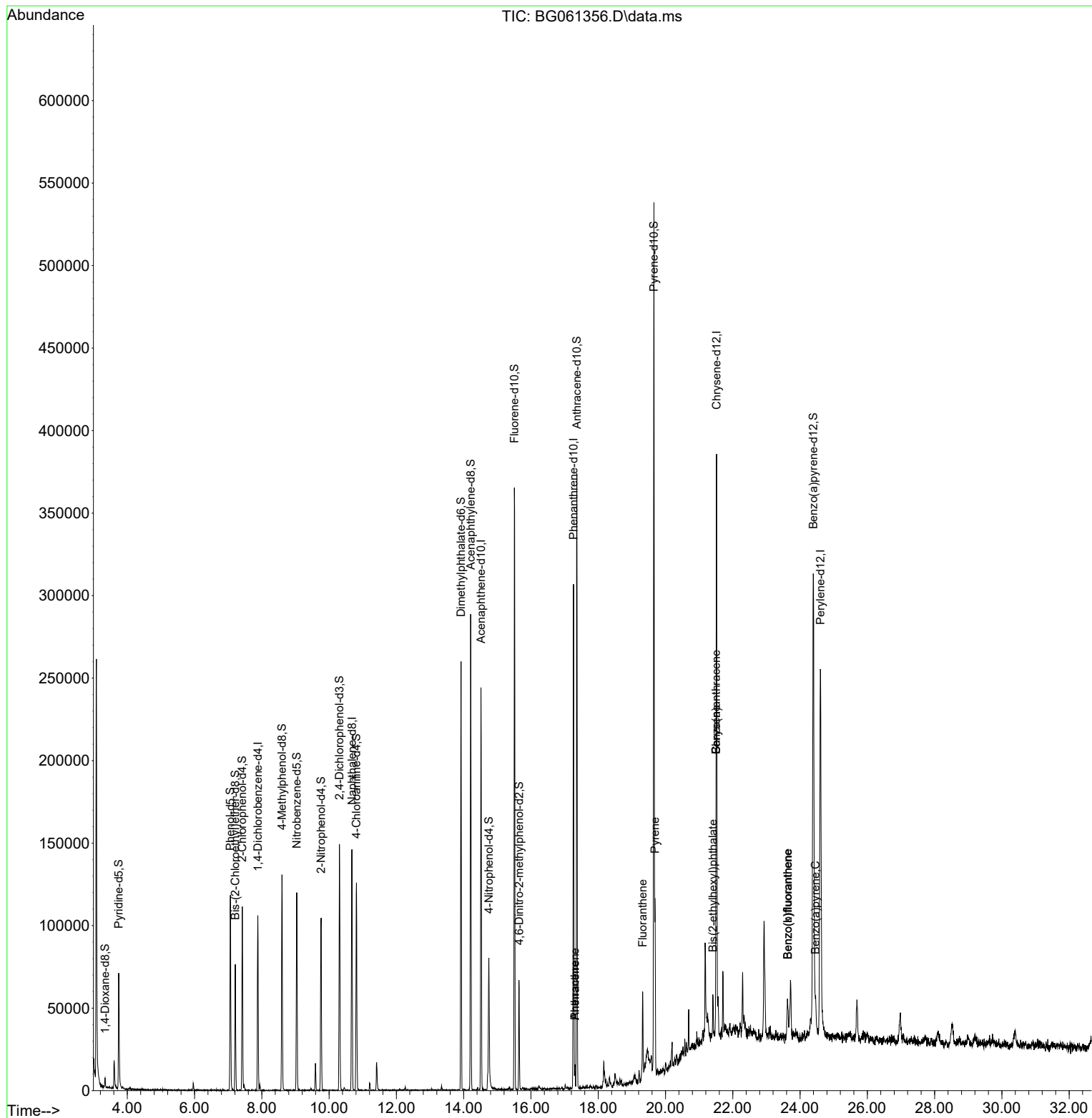
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.882  | 152  | 26449    | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.679 | 136  | 112684   | 20.000 | ng/ul  | 0.01     |
| 38) Acenaphthene-d10          | 14.516 | 164  | 86492    | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.265 | 188  | 190874   | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.519 | 240  | 201788   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.604 | 264  | 223931   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.341  | 96   | 2424     | 5.129  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.746  | 84   | 31152    | 18.528 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.066  | 99   | 53920    | 24.825 | ng/ul  | 0.01     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.213  | 67   | 34000    | 24.905 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.418  | 132  | 43911    | 27.317 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.599  | 113  | 44237    | 23.885 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.040  | 128  | 22962    | 26.467 | ng/ul  | 0.01     |
| 24) 2-Nitrophenol-d4          | 9.762  | 143  | 26448    | 26.048 | ng/ul  | 0.01     |
| 28) 2,4-Dichlorophenol-d3     | 10.309 | 165  | 52809    | 26.678 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.814 | 131  | 60735    | 23.452 | ng/ul  | 0.01     |
| 46) Dimethylphthalate-d6      | 13.922 | 166  | 163964   | 24.443 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.210 | 160  | 188665   | 27.053 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.751 | 143  | 16562    | 19.970 | ng/ul  | 0.01     |
| 60) Fluorene-d10              | 15.509 | 176  | 149862   | 25.876 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.650 | 200  | 14633    | 12.675 | ng/ul  | 0.01     |
| 73) Anthracene-d10            | 17.365 | 188  | 221489   | 26.321 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.657 | 212  | 288521   | 27.847 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.392 | 264  | 315153   | 29.274 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.307 | 178  | 9928     | 1.072  | ng/ul  | 94       |
| 74) Anthracene                | 17.307 | 178  | 9928     | 1.036  | ng/ul  | 97       |
| 80) Fluoranthene              | 19.322 | 202  | 30476    | 2.452  | ng/ul# | 97       |
| 82) Pyrene                    | 19.686 | 202  | 29669    | 2.300  | ng/ul  | 100      |
| 85) Benzo(a)anthracene        | 21.502 | 228  | 17039    | 1.224  | ng/ul  | 96       |
| 86) Bis(2-ethylhexyl)phtha... | 21.413 | 149  | 9883     | 1.506  | ng/ul# | 89       |
| 87) Chrysene                  | 21.502 | 228  | 17039    | 1.329  | ng/ul  | 99       |
| 90) Benzo(b)fluoranthene      | 23.634 | 252  | 23268    | 1.745  | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.634 | 252  | 23268    | 1.719  | ng/ul  | 96       |
| 93) Benzo(a)pyrene            | 24.457 | 252  | 17194    | 1.358  | ng/ul# | 93       |
| -----                         |        |      |          |        |        |          |

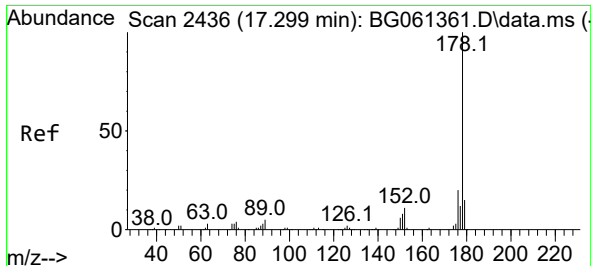
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 29 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION  
QLast Update : Thu May 30 22:54:48 2024  
Response via : Initial Calibration

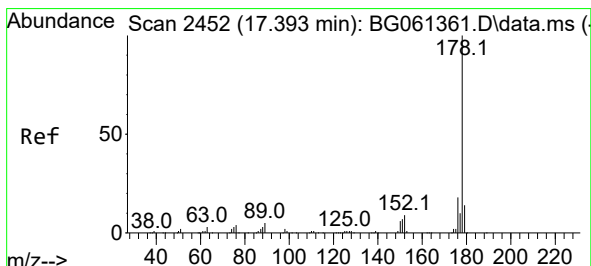
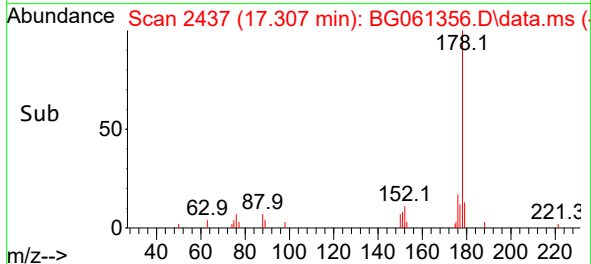
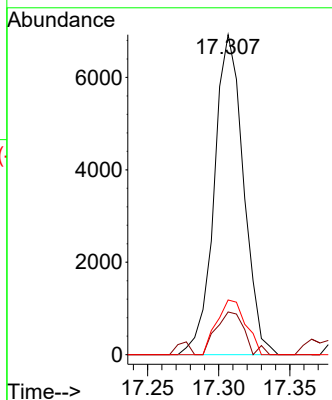
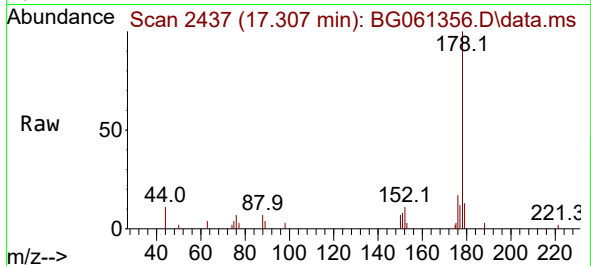




#72  
Phenanthrene  
Concen: 1.072 ng/ul  
RT: 17.307 min Scan# 2436  
Delta R.T. 0.007 min  
Lab File: BG061356.D  
Acq: 30 May 2024 10:26

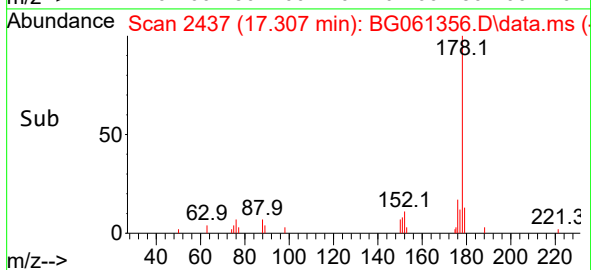
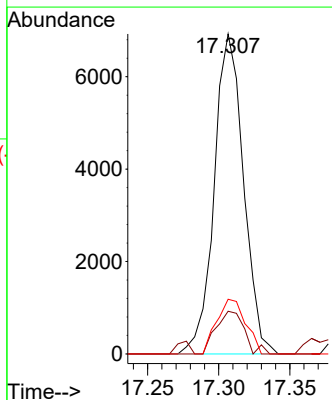
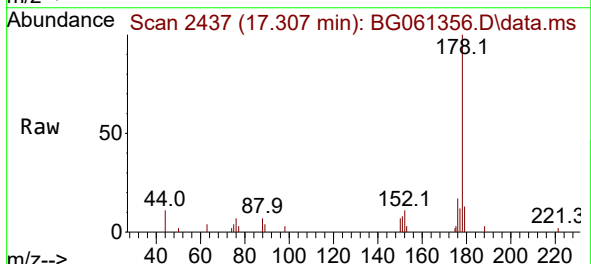
Instrument :  
BNA\_G  
ClientSampleId :  
BH670

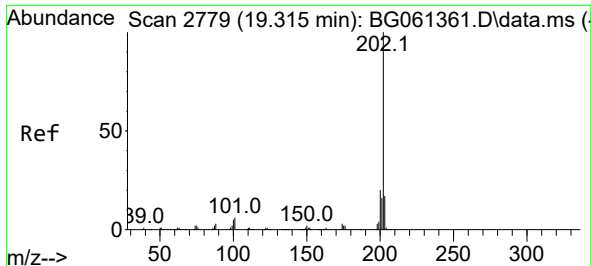
Tgt Ion:178 Resp: 9928  
Ion Ratio Lower Upper  
178 100  
179 13.3 12.7 19.1  
176 17.1 15.5 23.3



#74  
Anthracene  
Concen: 1.036 ng/ul  
RT: 17.307 min Scan# 2437  
Delta R.T. -0.087 min  
Lab File: BG061356.D  
Acq: 30 May 2024 10:26

Tgt Ion:178 Resp: 9928  
Ion Ratio Lower Upper  
178 100  
179 13.3 11.8 17.6  
176 17.1 14.9 22.3

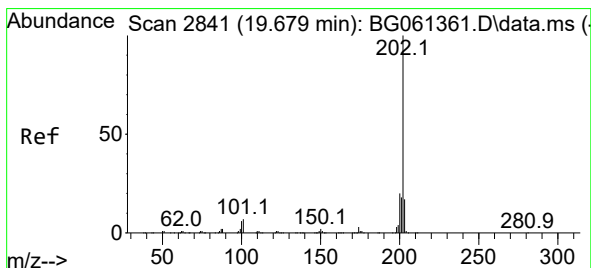
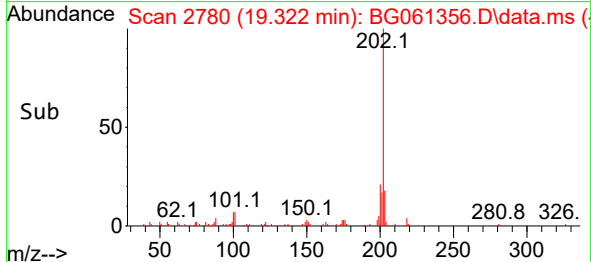
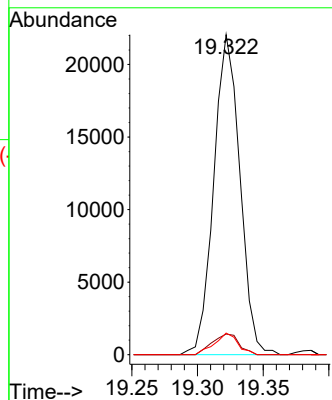
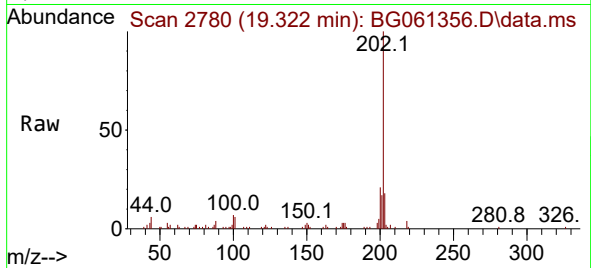




#80  
Fluoranthene  
Concen: 2.452 ng/ul  
RT: 19.322 min Scan# 21  
Delta R.T. 0.007 min  
Lab File: BG061356.D  
Acq: 30 May 2024 10:26

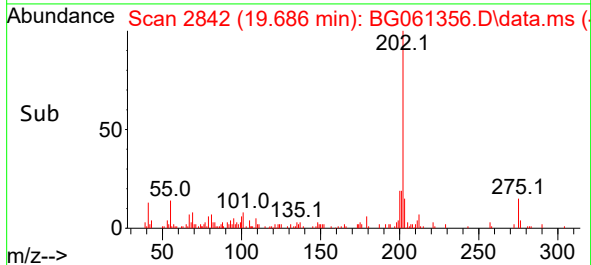
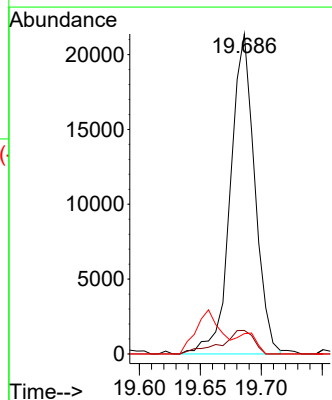
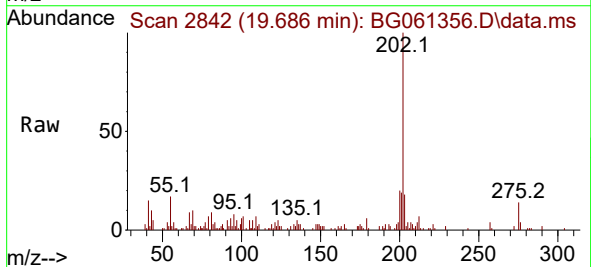
Instrument :  
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ClientSampleId :  
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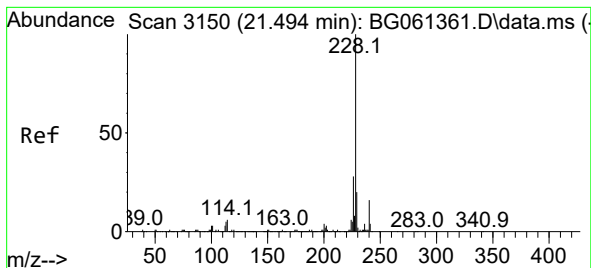
Tgt Ion:202 Resp: 30476  
Ion Ratio Lower Upper  
202 100  
101 6.5 4.8 7.2  
100 6.8 4.1 6.1#



#82  
Pyrene  
Concen: 2.300 ng/ul  
RT: 19.686 min Scan# 2842  
Delta R.T. 0.007 min  
Lab File: BG061356.D  
Acq: 30 May 2024 10:26

Tgt Ion:202 Resp: 29669  
Ion Ratio Lower Upper  
202 100  
101 7.4 5.7 8.5  
100 6.3 5.1 7.7





#85

Benzo(a)anthracene

Concen: 1.224 ng/ul

RT: 21.502 min Scan# 3151

Delta R.T. 0.007 min

Lab File: BG061356.D

Acq: 30 May 2024 10:26

Instrument :

BNA\_G

ClientSampleId :

BH670

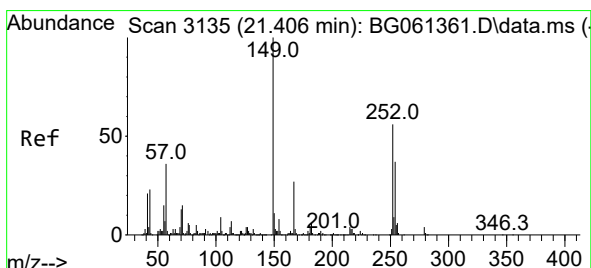
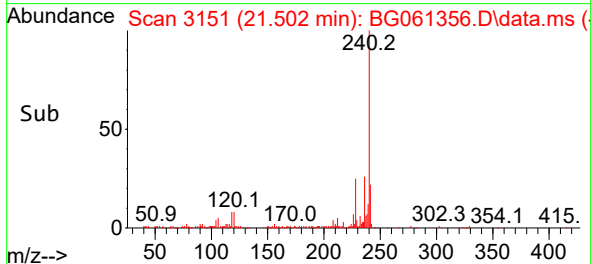
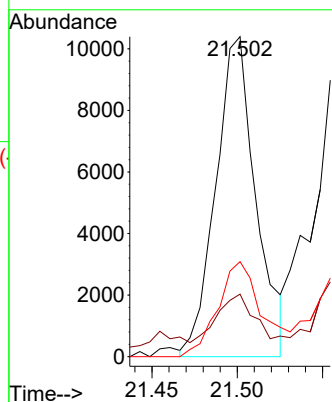
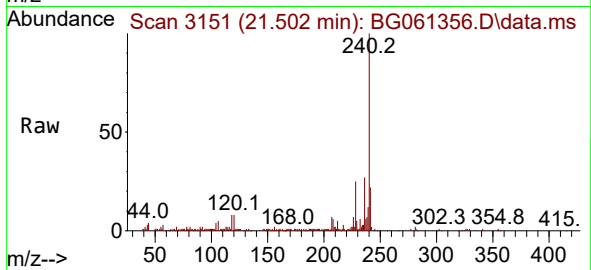
Tgt Ion:228 Resp: 17039

Ion Ratio Lower Upper

228 100

229 19.6 15.2 22.8

226 29.7 21.4 32.2



#86

Bis(2-ethylhexyl)phthalate

Concen: 1.506 ng/ul

RT: 21.413 min Scan# 3136

Delta R.T. 0.007 min

Lab File: BG061356.D

Acq: 30 May 2024 10:26

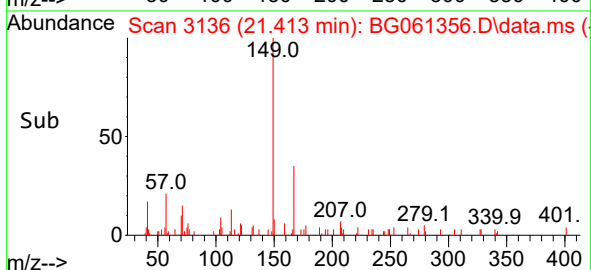
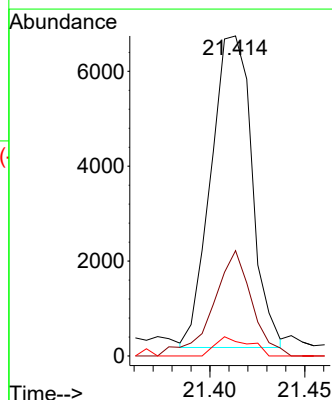
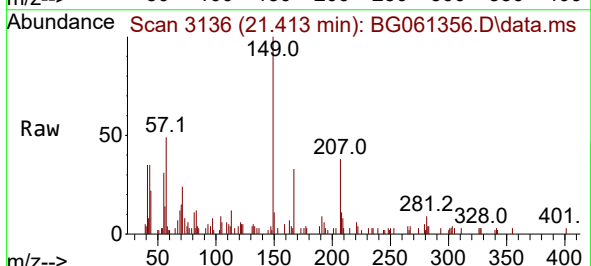
Tgt Ion:149 Resp: 9883

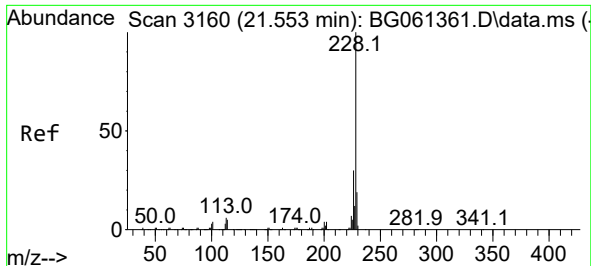
Ion Ratio Lower Upper

149 100

167 32.9 21.1 31.7#

279 4.5 3.3 4.9





#87

Chrysene

Concen: 1.329 ng/ul

RT: 21.502 min Scan# 3160

Delta R.T. -0.052 min

Lab File: BG061356.D

Acq: 30 May 2024 10:26

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BNA\_G

ClientSampleId :

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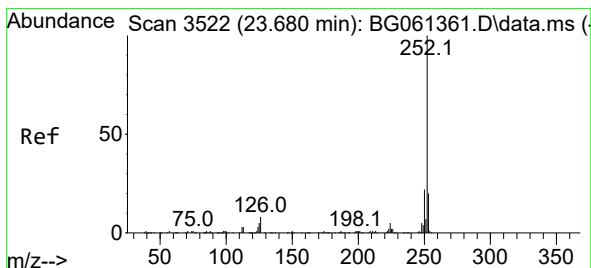
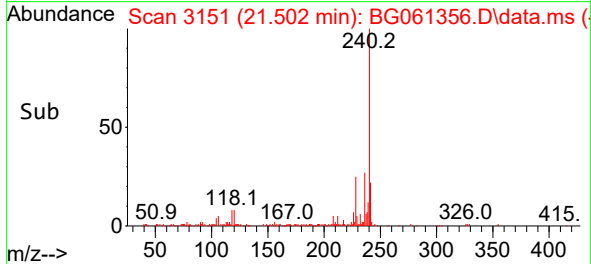
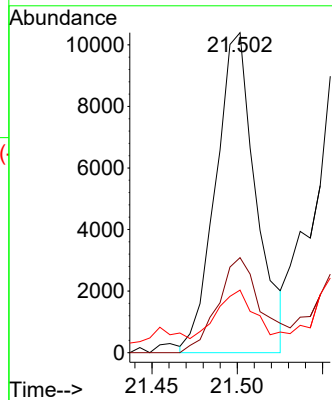
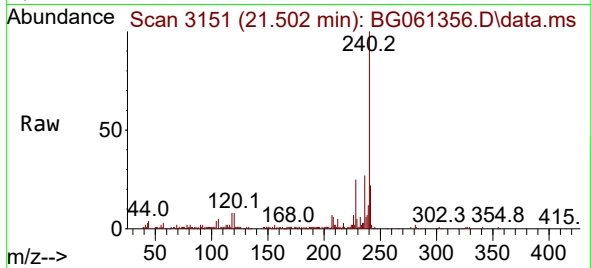
Tgt Ion:228 Resp: 17039

Ion Ratio Lower Upper

228 100

226 29.7 23.4 35.0

229 19.6 15.4 23.2



#90

Benzo(b)fluoranthene

Concen: 1.745 ng/ul

RT: 23.634 min Scan# 3514

Delta R.T. 0.019 min

Lab File: BG061356.D

Acq: 30 May 2024 10:26

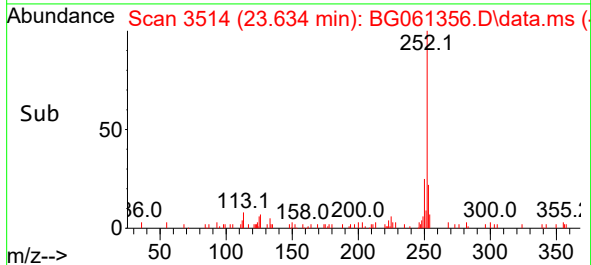
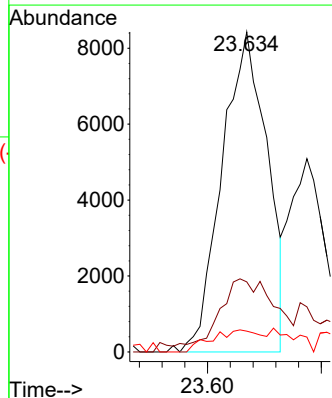
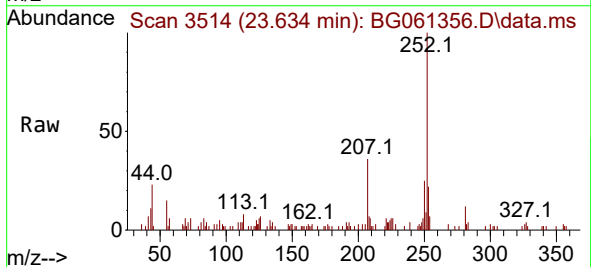
Tgt Ion:252 Resp: 23268

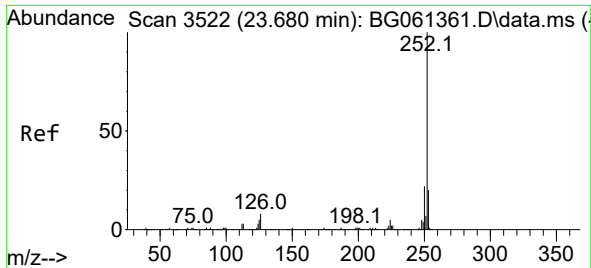
Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.8

125 6.5 4.6 6.8

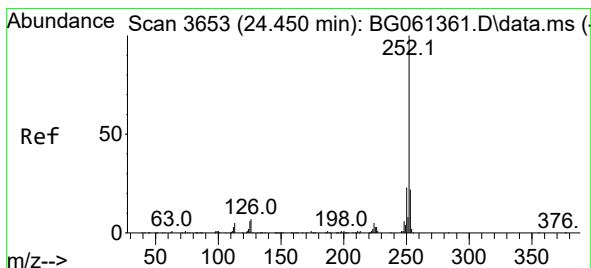
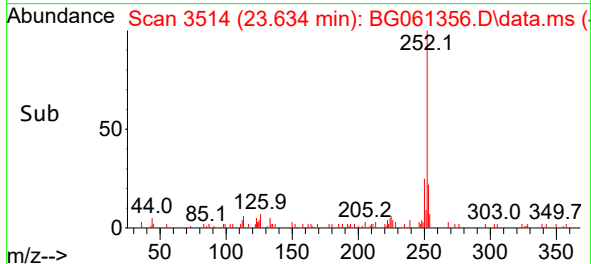
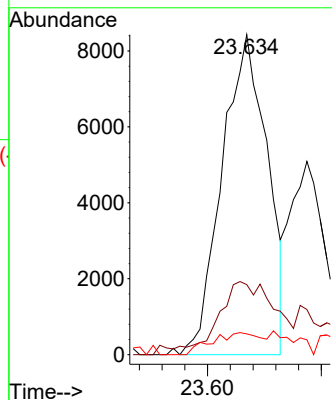
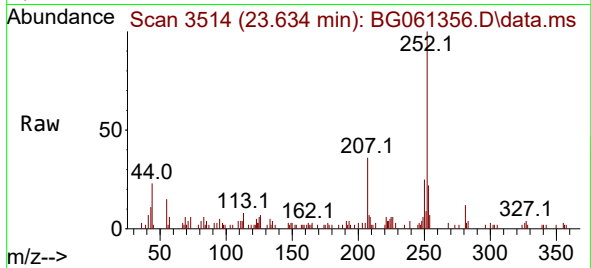




#91  
Benzo(k)fluoranthene  
Concen: 1.719 ng/ul  
RT: 23.634 min Scan# 31  
Delta R.T. -0.046 min  
Lab File: BG061356.D  
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Instrument :  
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Tgt Ion:252 Resp: 23268  
Ion Ratio Lower Upper  
252 100  
253 21.9 16.0 24.0  
125 6.5 4.3 6.5



#93  
Benzo(a)pyrene  
Concen: 1.358 ng/ul  
RT: 24.457 min Scan# 3654  
Delta R.T. 0.007 min  
Lab File: BG061356.D  
Acq: 30 May 2024 10:26

Tgt Ion:252 Resp: 17194  
Ion Ratio Lower Upper  
252 100  
253 23.6 16.4 24.6  
125 8.1 4.3 6.5#

