

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041124\  
 Data File : BG060869.D  
 Acq On : 11 Apr 2024 21:40  
 Operator : MA/JU  
 Sample : P2071-01 5X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PL-01-041024

Quant Time: Apr 12 01:39:06 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG032924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Mar 30 03:12:26 2024  
 Response via : Initial Calibration

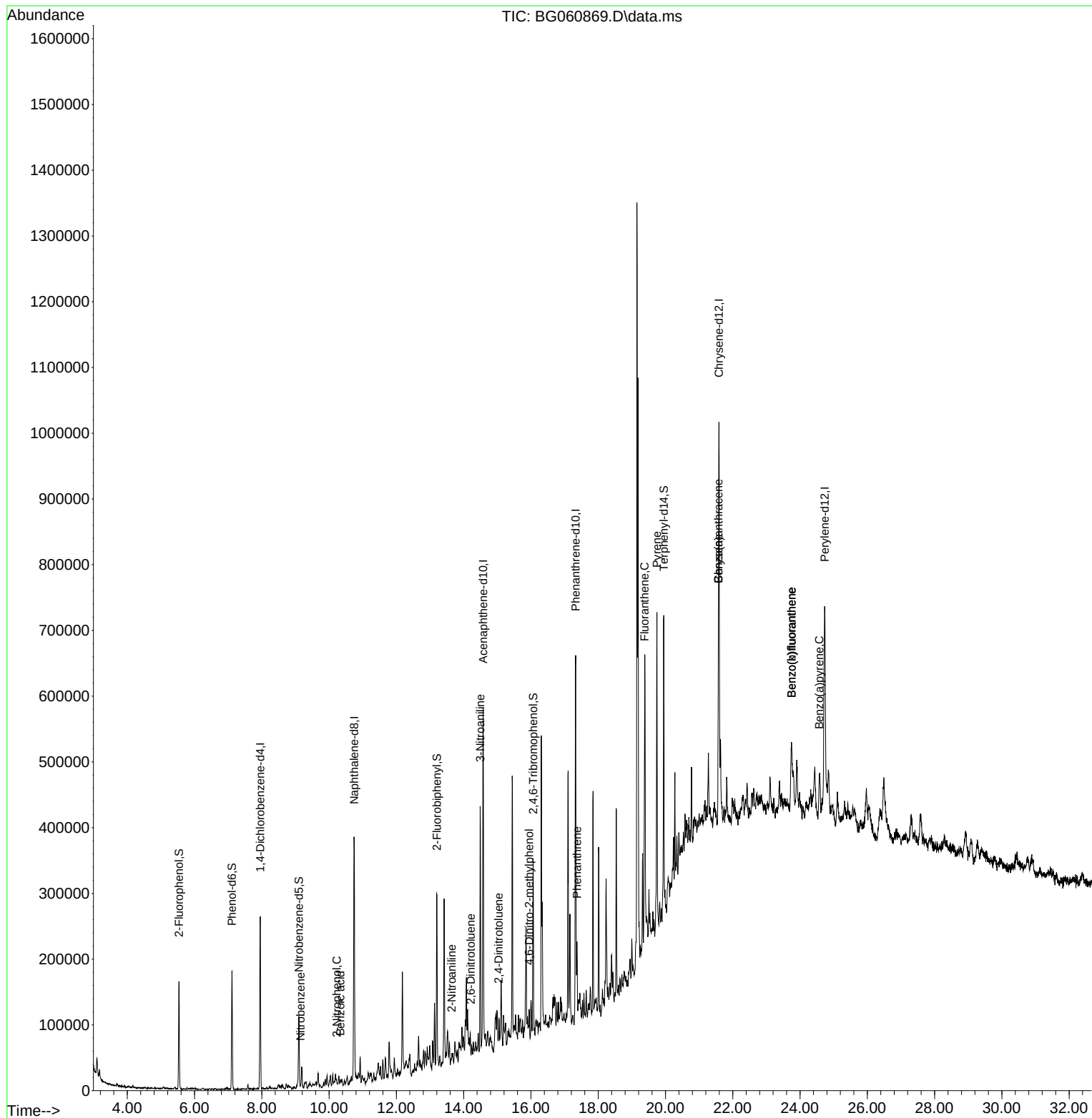
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.952  | 152  | 66894    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.749 | 136  | 254145   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.580 | 164  | 177522   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.330 | 188  | 361306   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.589 | 240  | 340756   | 20.000 | ng    | -0.02    |
| 86) Perylene-d12              | 24.733 | 264  | 388185   | 20.000 | ng    | -0.02    |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.537  | 112  | 62984    | 15.685 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.112  | 99   | 89258    | 14.975 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.104  | 82   | 60786    | 13.648 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.066 | 330  | 41618    | 20.652 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.205 | 172  | 138712   | 11.468 | ng    | -0.02    |
| 79) Terphenyl-d14             | 19.950 | 244  | 219507   | 11.343 | ng    | -0.02    |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 24) Nitrobenzene              | 9.151  | 77   | 60       | 2.784  | ng    | # 42     |
| 26) 2-Nitrophenol             | 10.226 | 139  | 58       | 2.997  | ng    | # 1      |
| 32) Benzoic acid              | 10.332 | 122  | 65       | 6.856  | ng    | # 1      |
| 48) 2-Nitroaniline            | 13.646 | 65   | 200      | 2.859  | ng    | # 65     |
| 51) 2,6-Dinitrotoluene        | 14.210 | 165  | 765      | 3.776  | ng    | # 17     |
| 53) 3-Nitroaniline            | 14.492 | 138  | 369      | 2.977  | ng    | # 25     |
| 57) 2,4-Dinitrotoluene        | 15.044 | 165  | 1063     | 3.561  | ng    | # 27     |
| 65) 4,6-Dinitro-2-methylph... | 15.943 | 198  | 81       | 7.080  | ng    | # 1      |
| 71) Phenanthrene              | 17.371 | 178  | 71629    | 3.812  | ng    | 99       |
| 75) Fluoranthene              | 19.380 | 202  | 186436   | 8.176  | ng    | 98       |
| 78) Pyrene                    | 19.744 | 202  | 190110   | 7.977  | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.572 | 228  | 92221    | 3.839  | ng    | 95       |
| 83) Chrysene                  | 21.572 | 228  | 92221    | 3.983  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 23.746 | 252  | 118163   | 5.299  | ng    | # 91     |
| 89) Benzo(k)fluoranthene      | 23.746 | 252  | 118163   | 5.177  | ng    | # 91     |
| 90) Benzo(a)pyrene            | 24.574 | 252  | 85144    | 3.929  | ng    | # 94     |

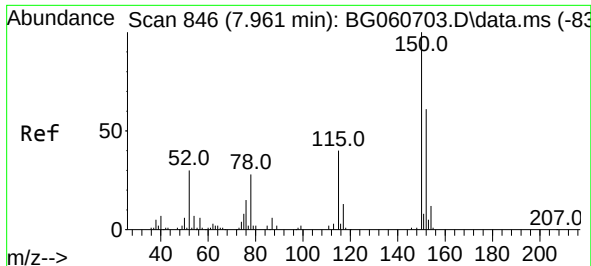
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041124\  
Data File : BG060869.D  
Acq On : 11 Apr 2024 21:40  
Operator : MA/JU  
Sample : P2071-01 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PL-01-041024

Quant Time: Apr 12 01:39:06 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG032924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Mar 30 03:12:26 2024  
Response via : Initial Calibration

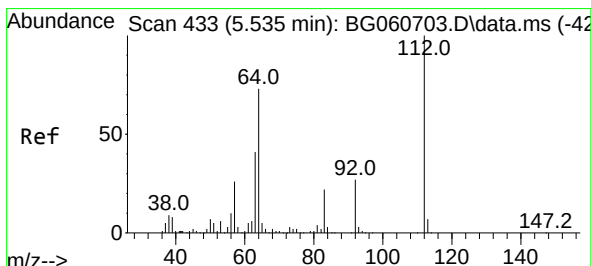
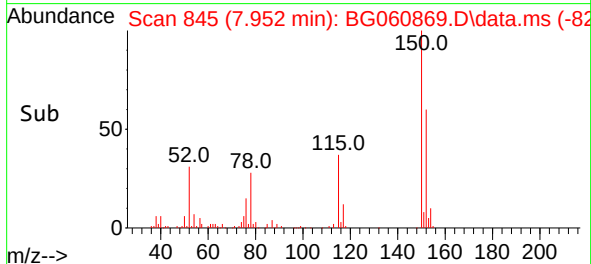
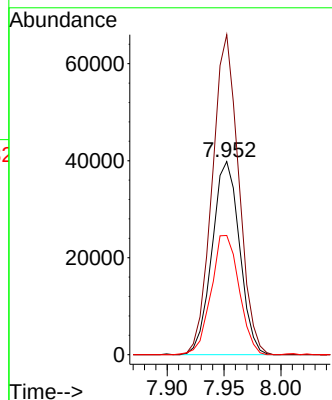
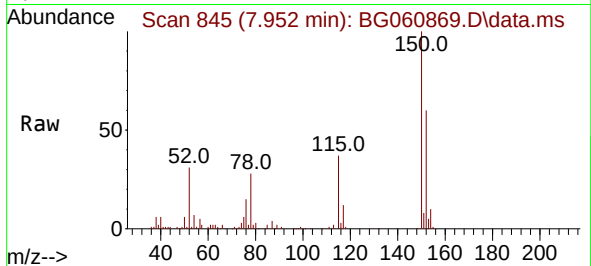




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.952 min Scan# 846  
Delta R.T. -0.009 min  
Lab File: BG060869.D  
Acq: 11 Apr 2024 21:40

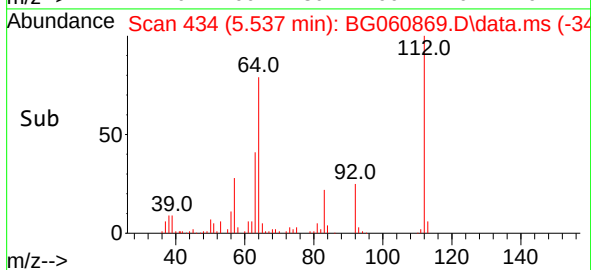
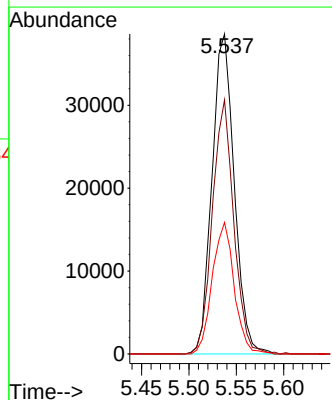
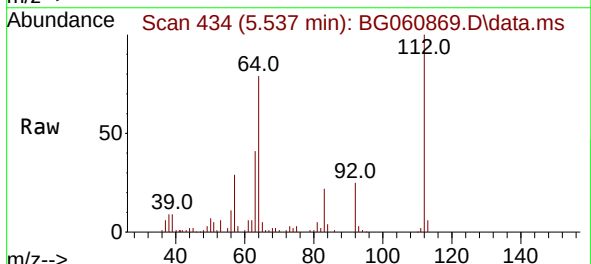
Instrument :  
BNA\_G  
ClientSampleId :  
PL-01-041024

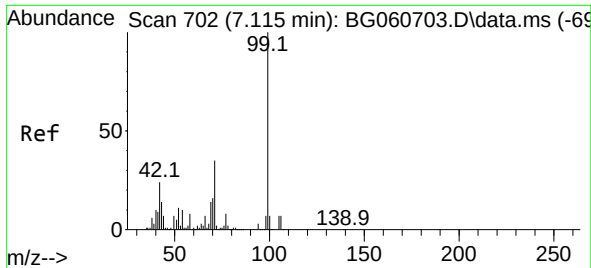
Tgt Ion:152 Resp: 66894  
Ion Ratio Lower Upper  
152 100  
150 165.7 130.2 195.4  
115 61.8 51.6 77.4



#5  
2-Fluorophenol  
Concen: 15.685 ng  
RT: 5.537 min Scan# 434  
Delta R.T. 0.003 min  
Lab File: BG060869.D  
Acq: 11 Apr 2024 21:40

Tgt Ion:112 Resp: 62984  
Ion Ratio Lower Upper  
112 100  
64 79.4 58.4 87.6  
63 41.1 32.7 49.1

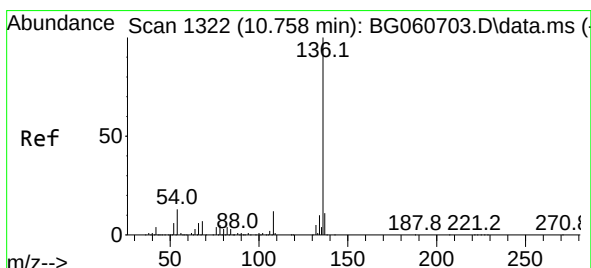
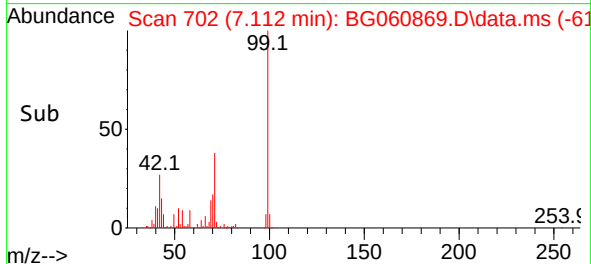
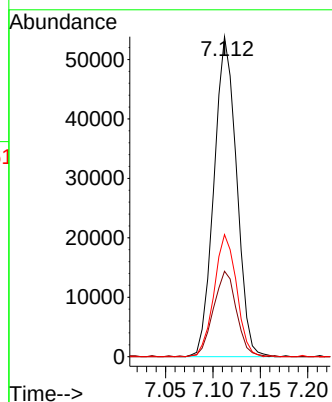
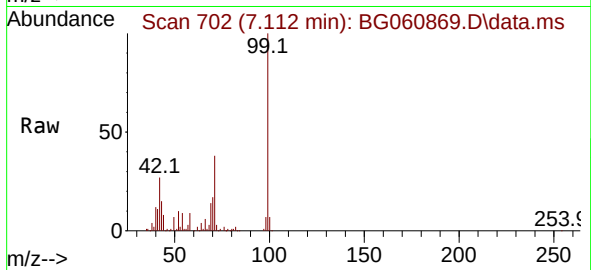




#7  
Phenol-d6  
Concen: 14.975 ng  
RT: 7.112 min Scan# 702  
Delta R.T. -0.003 min  
Lab File: BG060869.D  
Acq: 11 Apr 2024 21:40

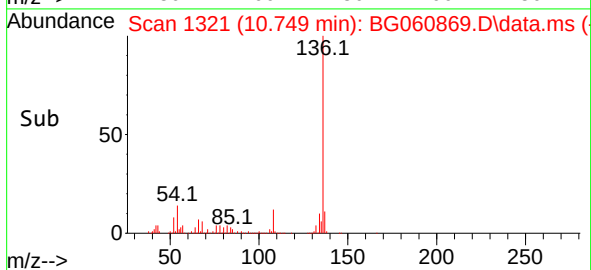
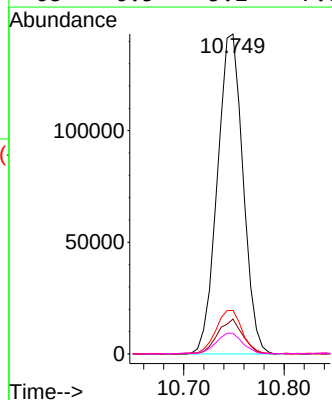
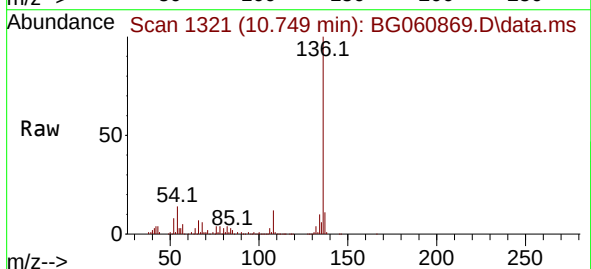
Instrument :  
BNA\_G  
ClientSampleId :  
PL-01-041024

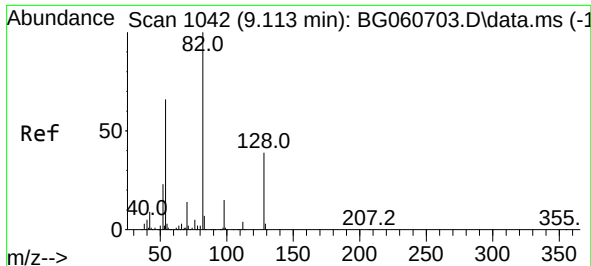
Tgt Ion: 99 Resp: 89258  
Ion Ratio Lower Upper  
99 100  
42 26.7 19.4 29.2  
71 38.2 28.2 42.2



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.749 min Scan# 1321  
Delta R.T. -0.009 min  
Lab File: BG060869.D  
Acq: 11 Apr 2024 21:40

Tgt Ion:136 Resp: 254145  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.8 13.2  
54 13.6 10.2 15.2  
68 6.5 5.2 7.8





#23

Nitrobenzene-d5

Concen: 13.648 ng

RT: 9.104 min Scan# 1041

Delta R.T. -0.009 min

Lab File: BG060869.D

Acq: 11 Apr 2024 21:40

Instrument :

BNA\_G

ClientSampleId :

PL-01-041024

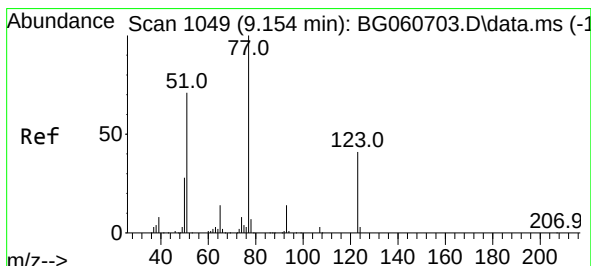
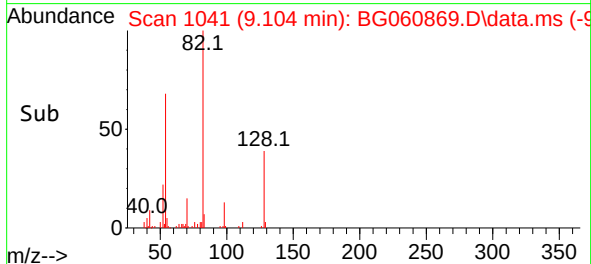
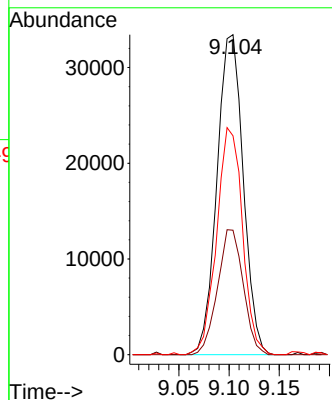
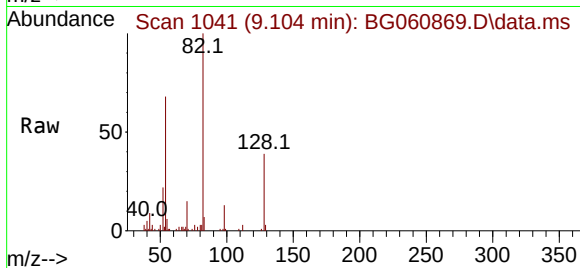
Tgt Ion: 82 Resp: 60786

Ion Ratio Lower Upper

82 100

128 38.9 31.2 46.8

54 68.4 53.2 79.8



#24

Nitrobenzene

Concen: 2.784 ng

RT: 9.151 min Scan# 1049

Delta R.T. -0.003 min

Lab File: BG060869.D

Acq: 11 Apr 2024 21:40

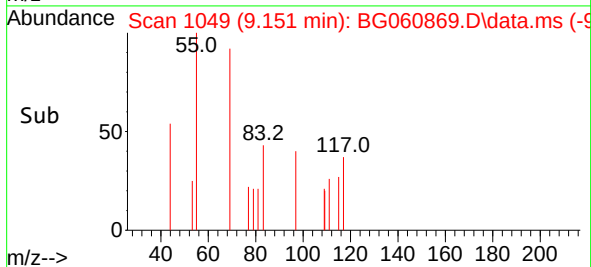
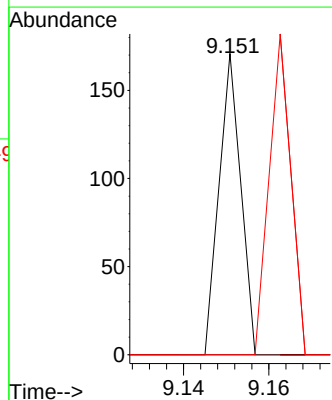
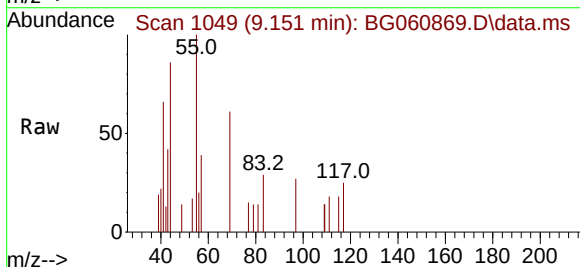
Tgt Ion: 77 Resp: 60

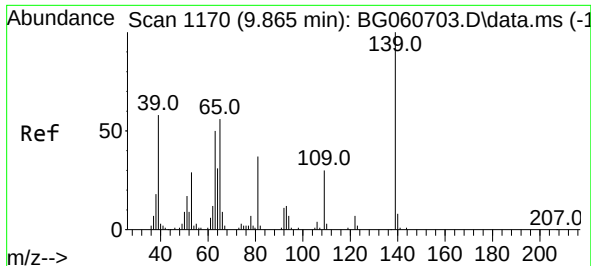
Ion Ratio Lower Upper

77 100

123 0.0 32.7 49.1#

65 0.0 11.3 16.9#

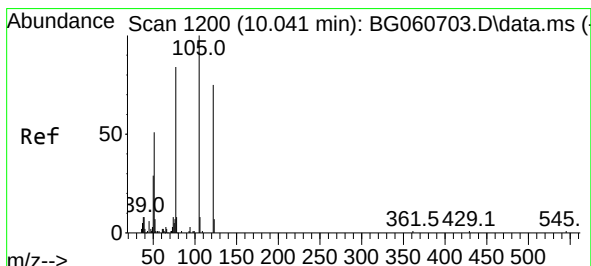
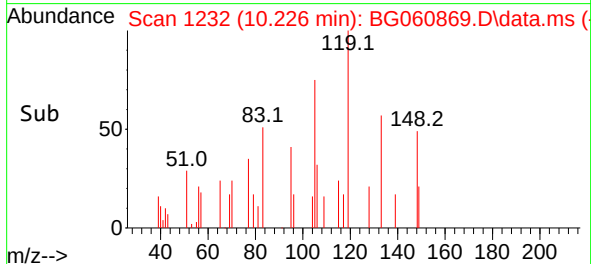
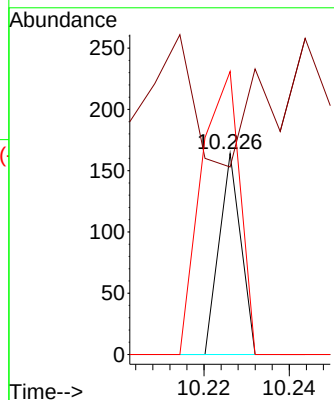
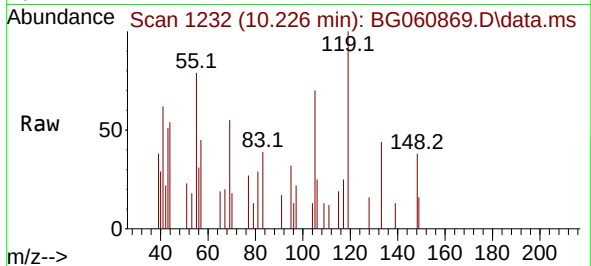




#26  
2-Nitrophenol  
Concen: 2.997 ng  
RT: 10.226 min Scan# 1170  
Delta R.T. 0.361 min  
Lab File: BG060869.D  
Acq: 11 Apr 2024 21:40

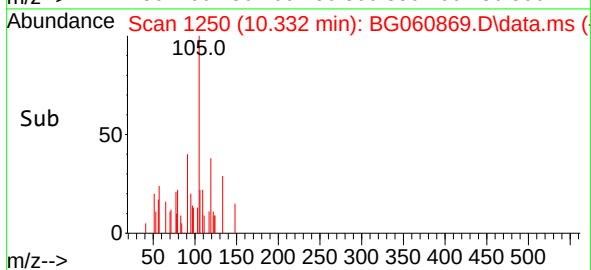
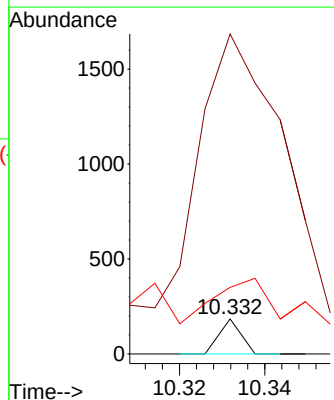
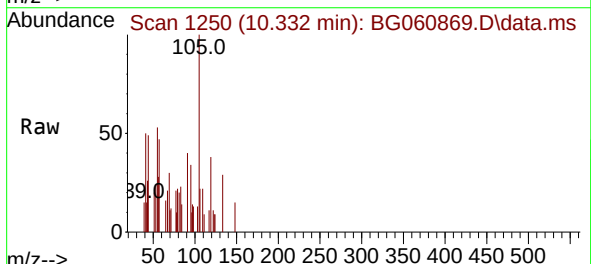
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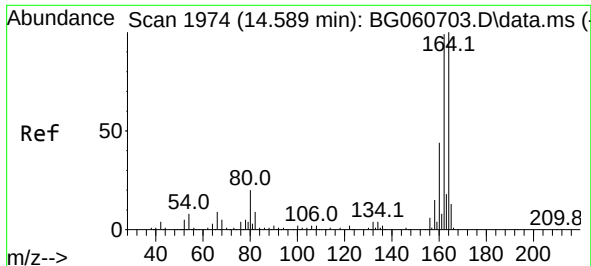
Tgt Ion:139 Resp: 58  
Ion Ratio Lower Upper  
139 100  
109 93.3 23.9 35.9#  
65 140.9 44.5 66.7#



#32  
Benzoic acid  
Concen: 6.856 ng  
RT: 10.332 min Scan# 1250  
Delta R.T. 0.291 min  
Lab File: BG060869.D  
Acq: 11 Apr 2024 21:40

Tgt Ion:122 Resp: 65  
Ion Ratio Lower Upper  
122 100  
105 915.8 104.5 144.5#  
77 190.2 85.3 125.3#

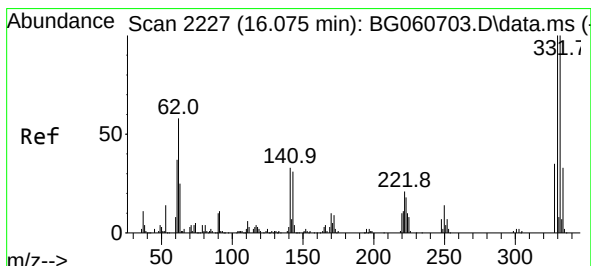
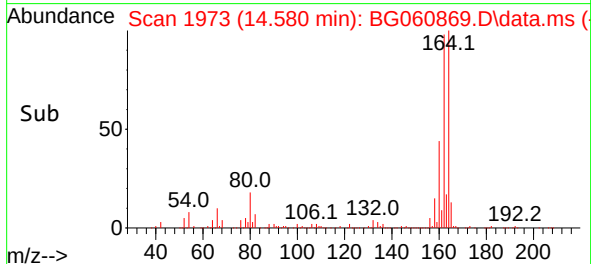
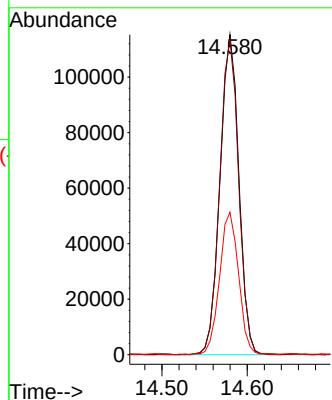
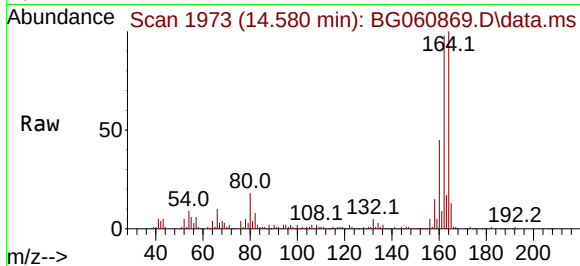




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.580 min Scan# 1974  
Delta R.T. -0.009 min  
Lab File: BG060869.D  
Acq: 11 Apr 2024 21:40

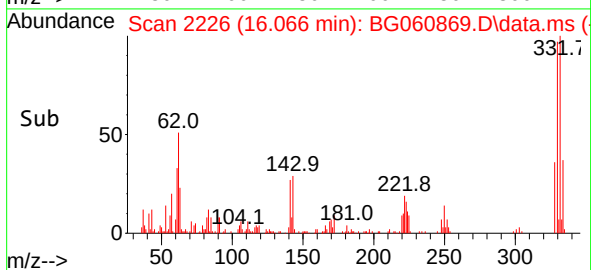
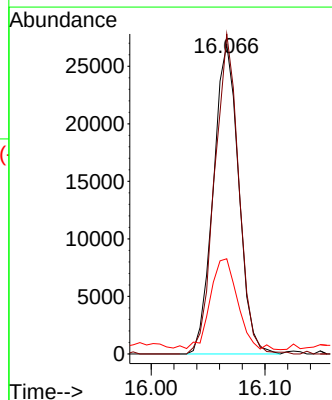
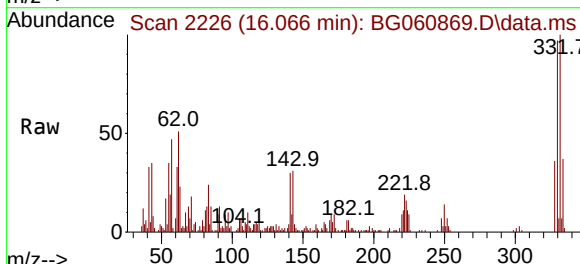
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BNA\_G  
ClientSampleId :  
PL-01-041024

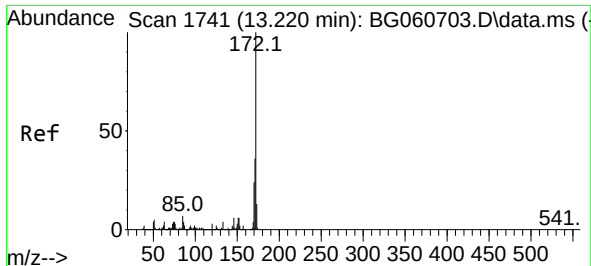
Tgt Ion:164 Resp: 177522  
Ion Ratio Lower Upper  
164 100  
162 98.4 79.5 119.3  
160 44.5 35.4 53.0



#42  
2,4,6-Tribromophenol  
Concen: 20.652 ng  
RT: 16.066 min Scan# 2226  
Delta R.T. -0.009 min  
Lab File: BG060869.D  
Acq: 11 Apr 2024 21:40

Tgt Ion:330 Resp: 41618  
Ion Ratio Lower Upper  
330 100  
332 98.3 78.2 117.4  
141 32.0 27.0 40.6

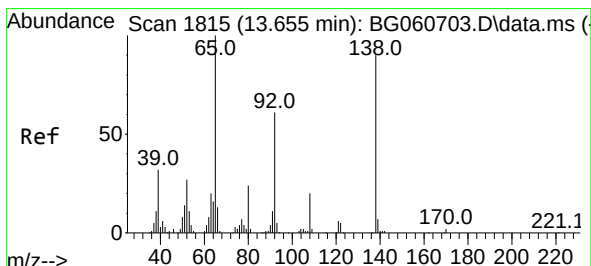
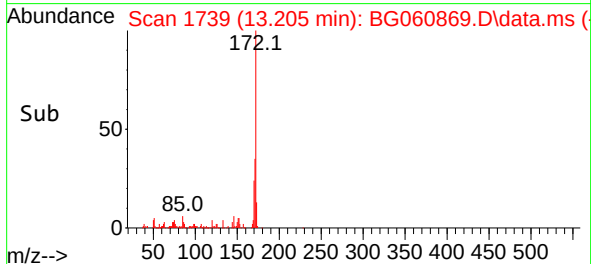
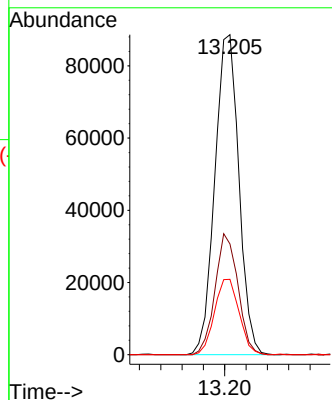
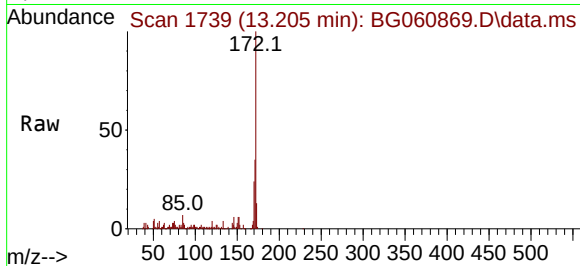




#45  
2-Fluorobiphenyl  
Concen: 11.468 ng  
RT: 13.205 min Scan# 1739  
Delta R.T. -0.015 min  
Lab File: BG060869.D  
Acq: 11 Apr 2024 21:40

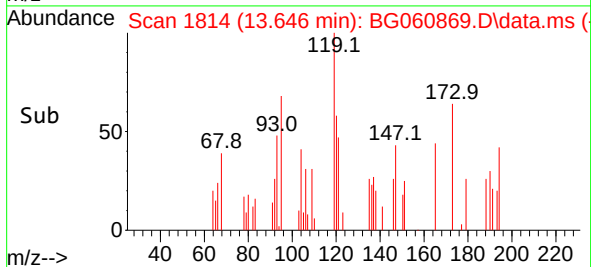
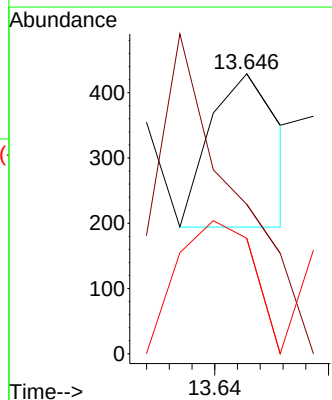
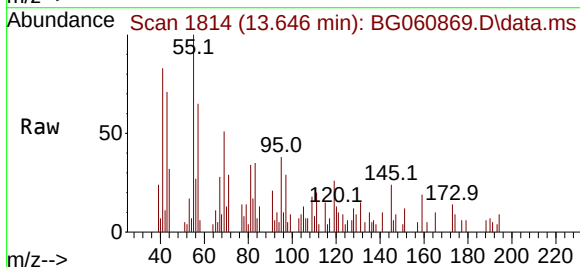
Instrument :  
BNA\_G  
ClientSampleId :  
PL-01-041024

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 172   | Resp: | 138712 |
| Ion Ratio | Lower | Upper |        |
| 172       | 100   |       |        |
| 171       | 34.6  | 28.7  | 43.1   |
| 170       | 23.6  | 19.4  | 29.0   |

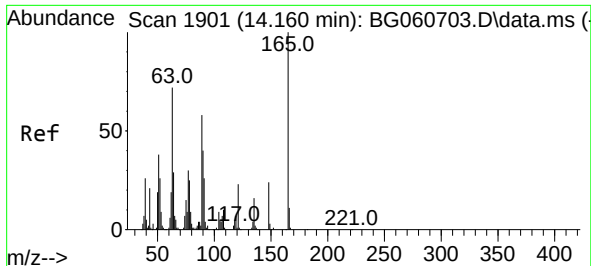


#48  
2-Nitroaniline  
Concen: 2.859 ng  
RT: 13.646 min Scan# 1814  
Delta R.T. -0.009 min  
Lab File: BG060869.D  
Acq: 11 Apr 2024 21:40

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 65    | Resp: | 200   |
| Ion Ratio | Lower | Upper |       |
| 65        | 100   |       |       |
| 92        | 53.4  | 48.6  | 72.8  |
| 138       | 41.3  | 72.2  | 108.4 |



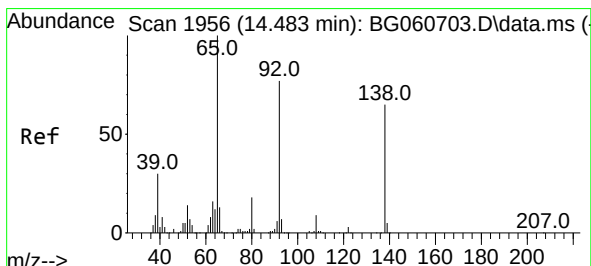
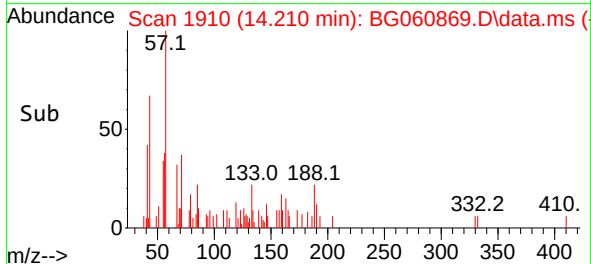
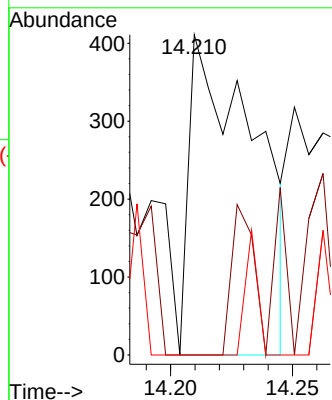
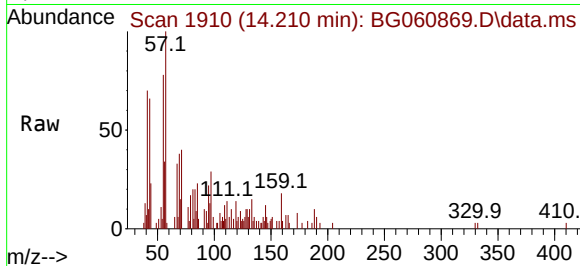




#51  
2,6-Dinitrotoluene  
Concen: 3.776 ng  
RT: 14.210 min Scan# 1901  
Delta R.T. 0.050 min  
Lab File: BG060869.D  
Acq: 11 Apr 2024 21:40

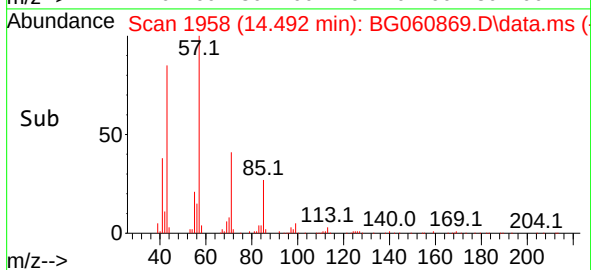
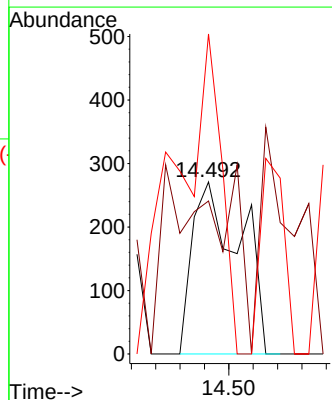
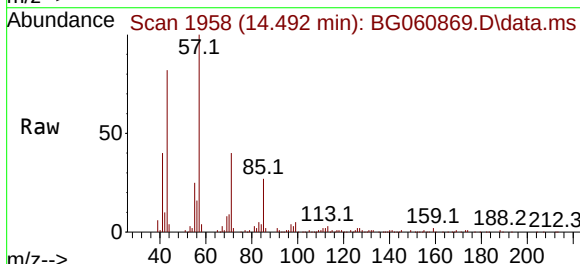
Instrument :  
BNA\_G  
ClientSampleId :  
PL-01-041024

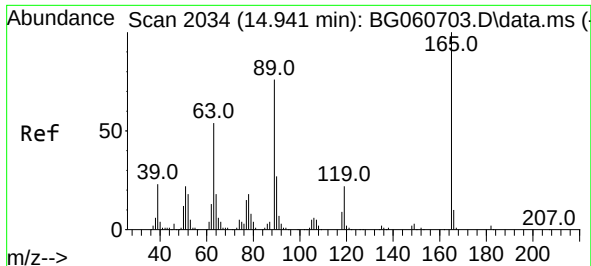
Tgt Ion:165 Resp: 765  
Ion Ratio Lower Upper  
165 100  
63 0.0 58.2 87.4#  
89 0.0 46.1 69.1#



#53  
3-Nitroaniline  
Concen: 2.977 ng  
RT: 14.492 min Scan# 1958  
Delta R.T. 0.009 min  
Lab File: BG060869.D  
Acq: 11 Apr 2024 21:40

Tgt Ion:138 Resp: 369  
Ion Ratio Lower Upper  
138 100  
108 88.9 11.3 16.9#  
92 186.0 94.1 141.1#





#57

2,4-Dinitrotoluene

Concen: 3.561 ng

RT: 15.044 min Scan# 2034

Delta R.T. 0.103 min

Lab File: BG060869.D

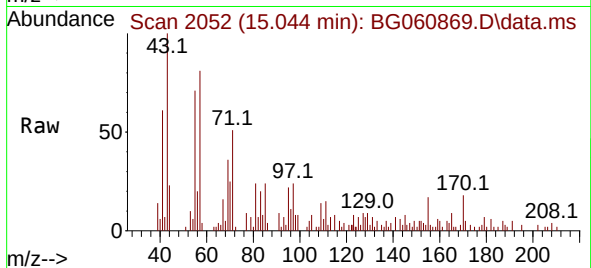
Acq: 11 Apr 2024 21:40

Instrument :

BNA\_G

ClientSampleId :

PL-01-041024



Tgt Ion:165 Resp: 1063

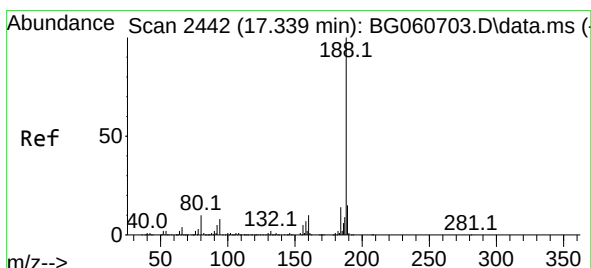
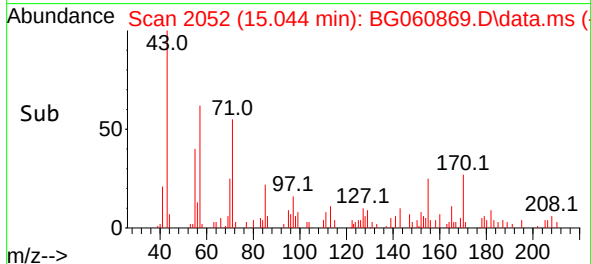
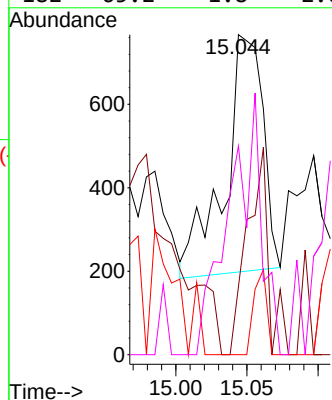
Ion Ratio Lower Upper

165 100

63 21.3 43.4 65.0#

89 0.0 61.0 91.6#

182 65.2 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.330 min Scan# 2441

Delta R.T. -0.009 min

Lab File: BG060869.D

Acq: 11 Apr 2024 21:40

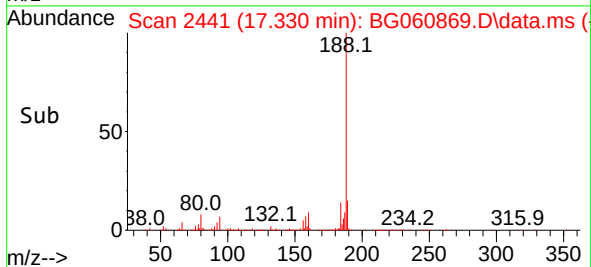
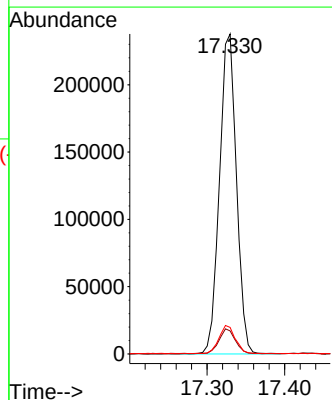
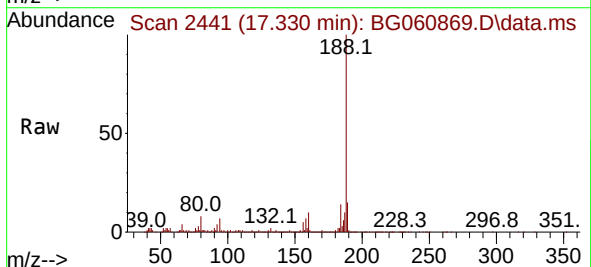
Tgt Ion:188 Resp: 361306

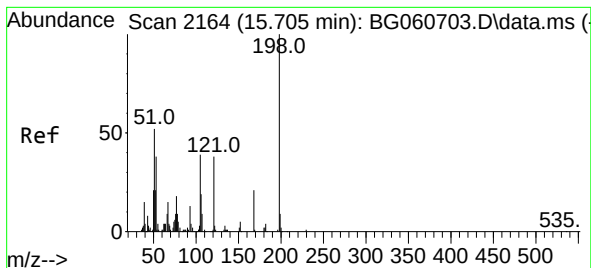
Ion Ratio Lower Upper

188 100

94 7.2 6.6 9.8

80 8.3 7.6 11.4

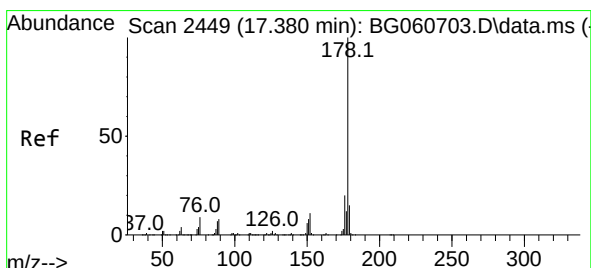
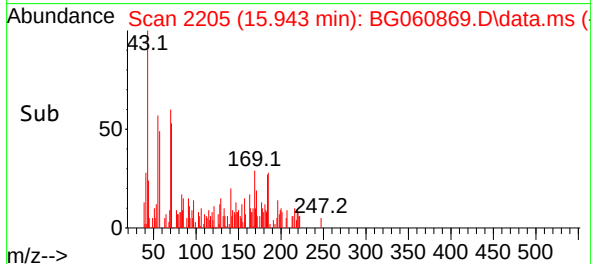
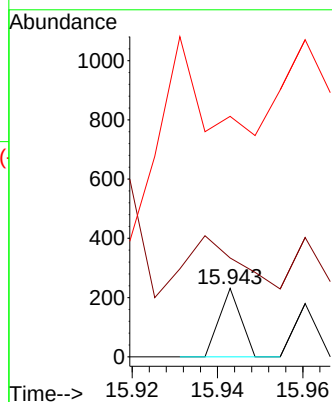
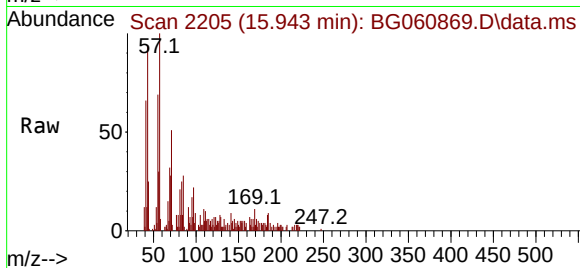




#65  
4,6-Dinitro-2-methylphenol  
Concen: 7.080 ng  
RT: 15.943 min Scan# 2164  
Delta R.T. 0.238 min  
Lab File: BG060869.D  
Acq: 11 Apr 2024 21:40

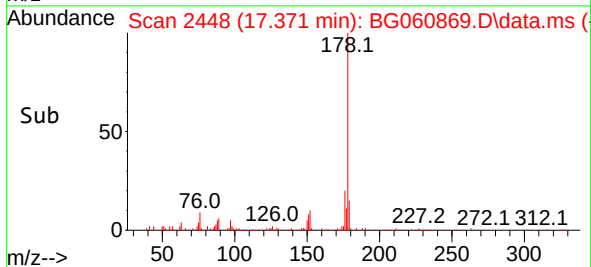
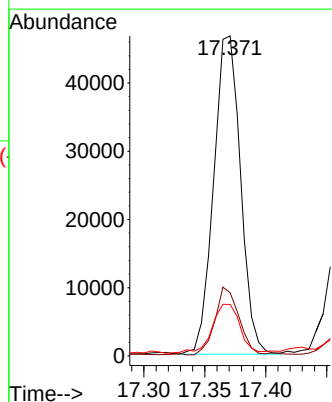
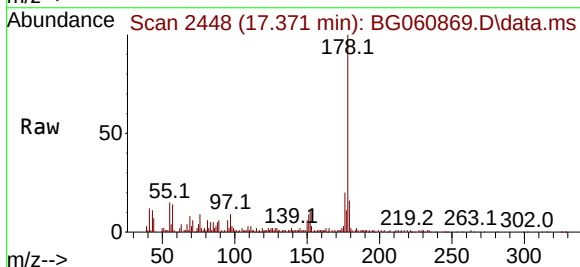
Instrument :  
BNA\_G  
ClientSampleId :  
PL-01-041024

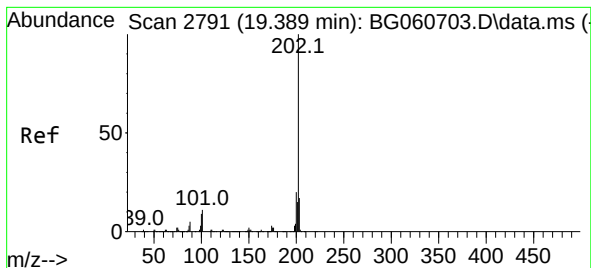
Tgt Ion:198 Resp: 81  
Ion Ratio Lower Upper  
198 100  
51 144.6 36.7 76.7#  
105 351.5 19.1 59.1#



#71  
Phenanthrene  
Concen: 3.812 ng  
RT: 17.371 min Scan# 2448  
Delta R.T. -0.009 min  
Lab File: BG060869.D  
Acq: 11 Apr 2024 21:40

Tgt Ion:178 Resp: 71629  
Ion Ratio Lower Upper  
178 100  
176 19.8 15.8 23.6  
179 16.1 12.2 18.4





#75

Fluoranthene

Concen: 8.176 ng

RT: 19.380 min Scan# 21

Delta R.T. -0.009 min

Lab File: BG060869.D

Acq: 11 Apr 2024 21:40

Instrument :

BNA\_G

ClientSampleId :

PL-01-041024

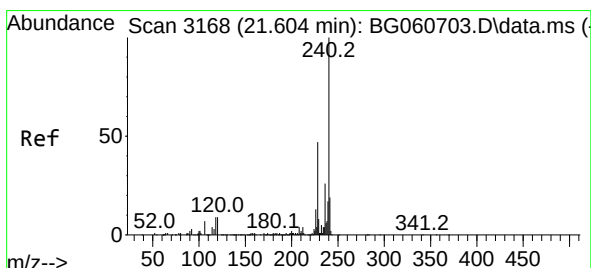
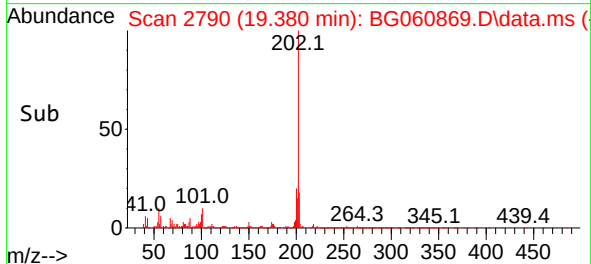
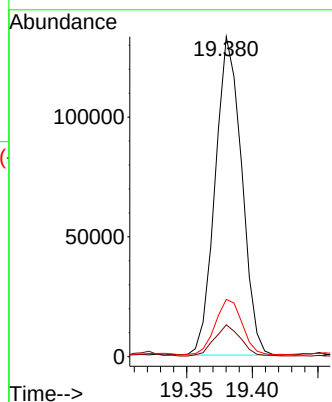
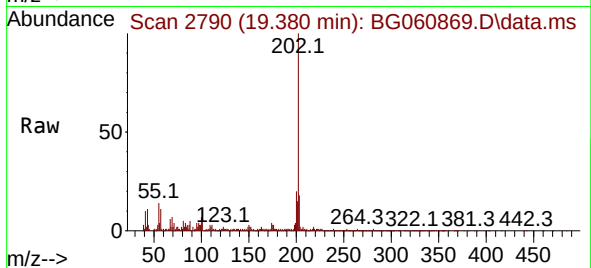
Tgt Ion:202 Resp: 186436

Ion Ratio Lower Upper

202 100

101 9.9 0.0 30.8

203 17.9 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.589 min Scan# 3166

Delta R.T. -0.015 min

Lab File: BG060869.D

Acq: 11 Apr 2024 21:40

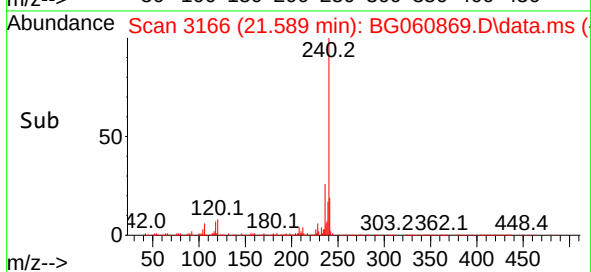
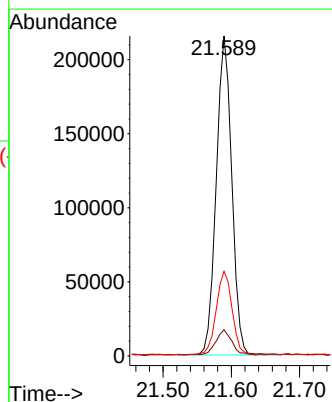
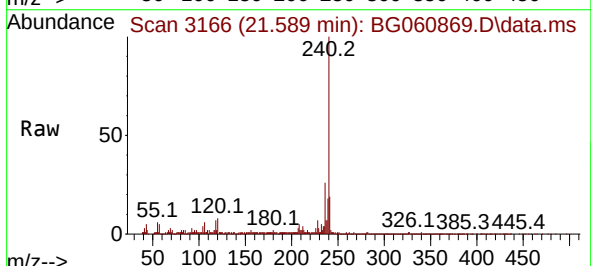
Tgt Ion:240 Resp: 340756

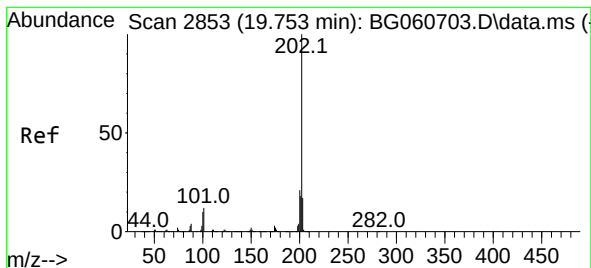
Ion Ratio Lower Upper

240 100

120 8.2 7.1 10.7

236 26.5 20.7 31.1





#78

Pyrene

Concen: 7.977 ng

RT: 19.744 min Scan# 2852

Delta R.T. -0.009 min

Lab File: BG060869.D

Acq: 11 Apr 2024 21:40

Instrument :

BNA\_G

ClientSampleId :

PL-01-041024

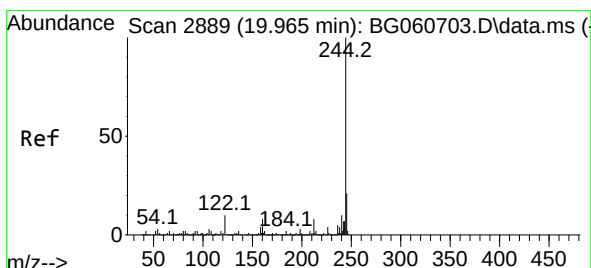
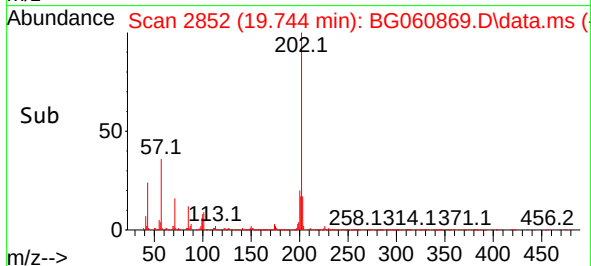
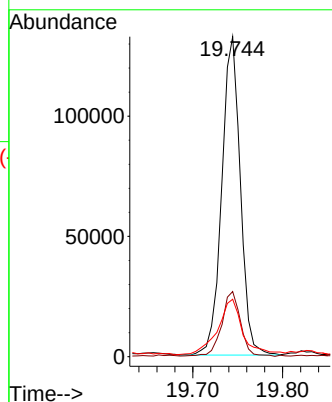
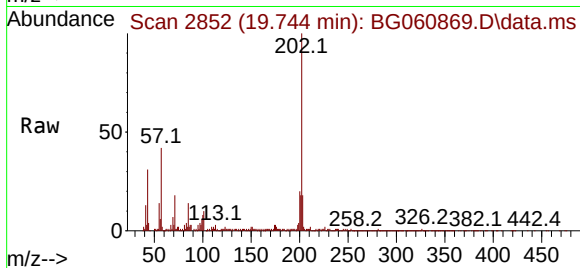
Tgt Ion:202 Resp: 190110

Ion Ratio Lower Upper

202 100

200 20.3 17.0 25.4

203 18.0 14.0 21.0



#79

Terphenyl-d14

Concen: 11.343 ng

RT: 19.950 min Scan# 2887

Delta R.T. -0.015 min

Lab File: BG060869.D

Acq: 11 Apr 2024 21:40

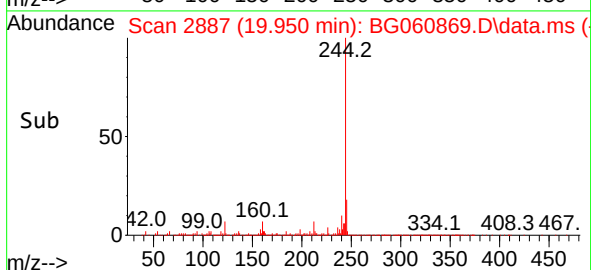
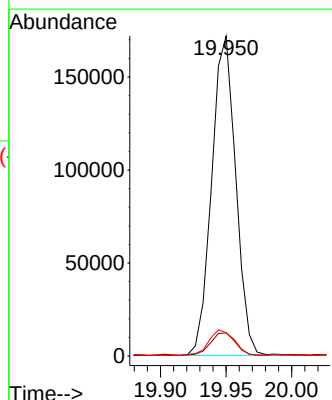
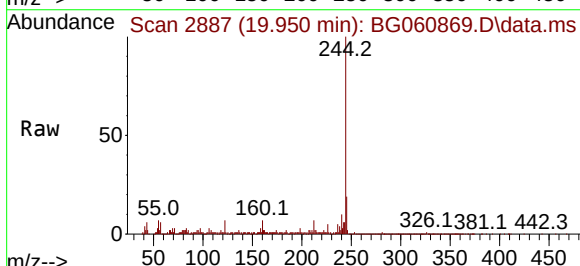
Tgt Ion:244 Resp: 219507

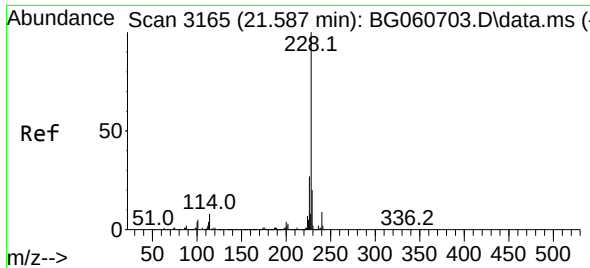
Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

122 7.3 7.8 11.8#

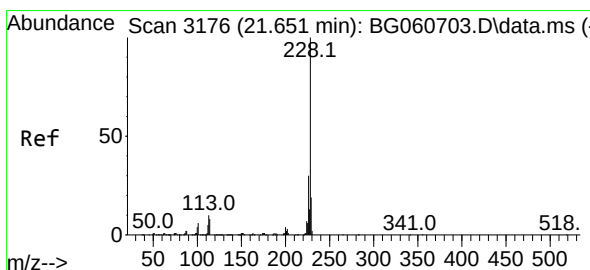
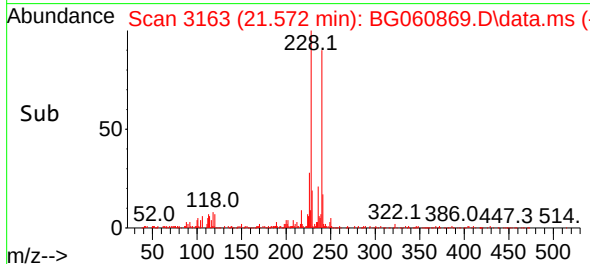
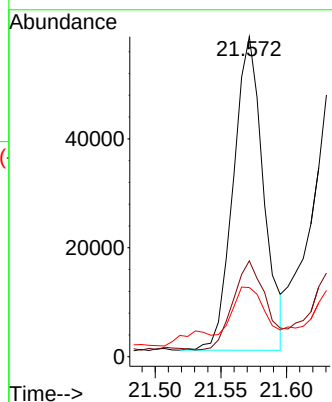
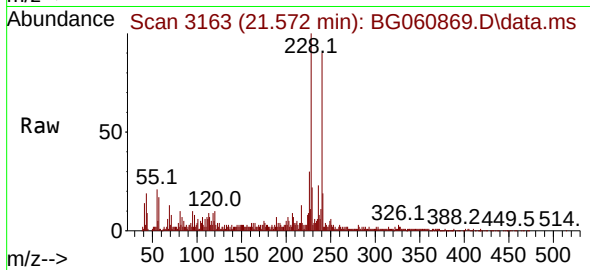




#81  
Benzo(a)anthracene  
Concen: 3.839 ng  
RT: 21.572 min Scan# 3163  
Delta R.T. -0.015 min  
Lab File: BG060869.D  
Acq: 11 Apr 2024 21:40

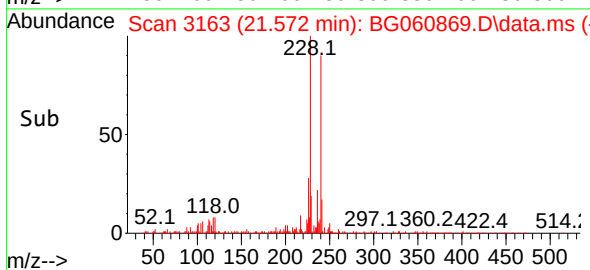
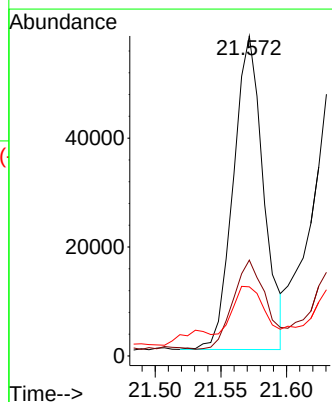
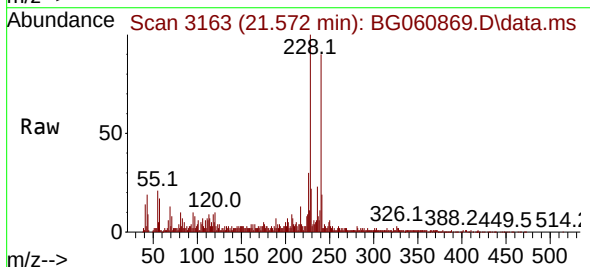
Instrument :  
BNA\_G  
ClientSampleId :  
PL-01-041024

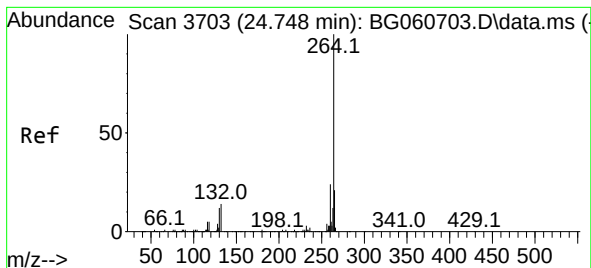
Tgt Ion:228 Resp: 92221  
Ion Ratio Lower Upper  
228 100  
226 29.9 21.7 32.5  
229 21.6 15.8 23.8



#83  
Chrysene  
Concen: 3.983 ng  
RT: 21.572 min Scan# 3163  
Delta R.T. -0.080 min  
Lab File: BG060869.D  
Acq: 11 Apr 2024 21:40

Tgt Ion:228 Resp: 92221  
Ion Ratio Lower Upper  
228 100  
226 29.9 24.2 36.4  
229 21.6 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.733 min Scan# 3

Delta R.T. -0.015 min

Lab File: BG060869.D

Acq: 11 Apr 2024 21:40

Instrument :

BNA\_G

ClientSampleId :

PL-01-041024

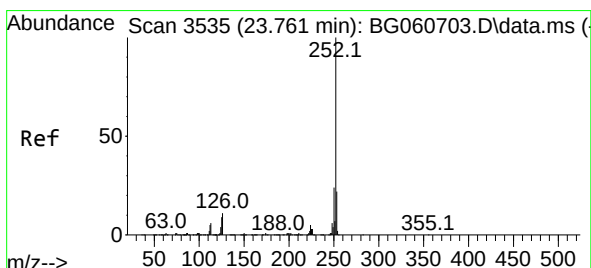
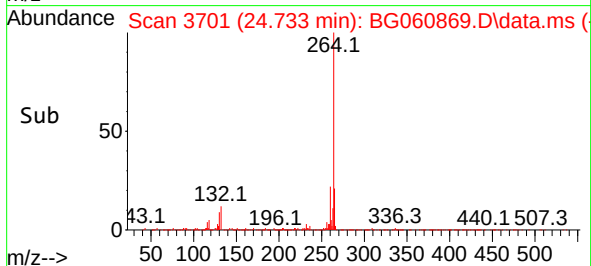
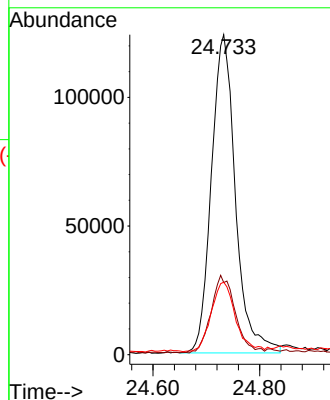
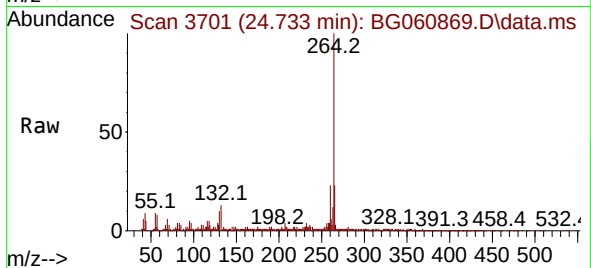
Tgt Ion:264 Resp: 388185

Ion Ratio Lower Upper

264 100

260 22.6 19.5 29.3

265 22.7 16.9 25.3



#88

Benzo(b)fluoranthene

Concen: 5.299 ng

RT: 23.746 min Scan# 3533

Delta R.T. -0.015 min

Lab File: BG060869.D

Acq: 11 Apr 2024 21:40

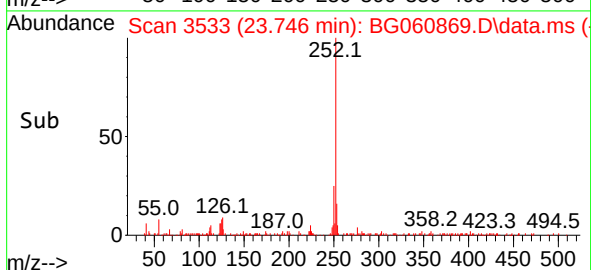
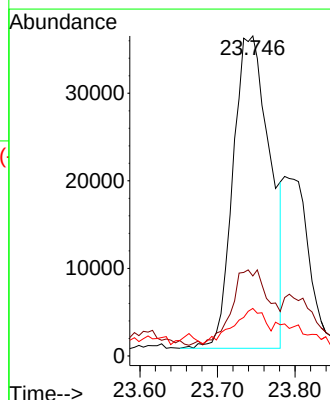
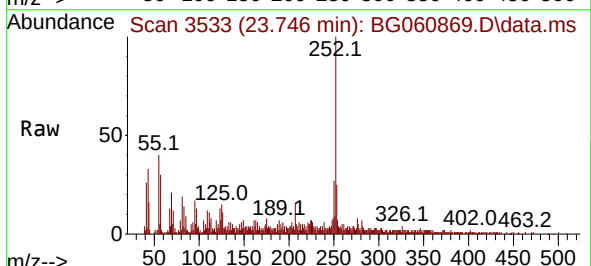
Tgt Ion:252 Resp: 118163

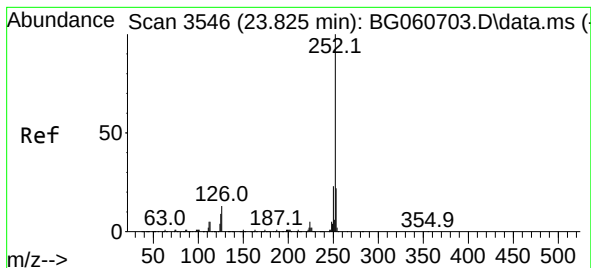
Ion Ratio Lower Upper

252 100

253 25.0 17.8 26.8

125 14.9 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 5.177 ng

RT: 23.746 min Scan# 3

Delta R.T. -0.080 min

Lab File: BG060869.D

Acq: 11 Apr 2024 21:40

Instrument :

BNA\_G

ClientSampleId :

PL-01-041024

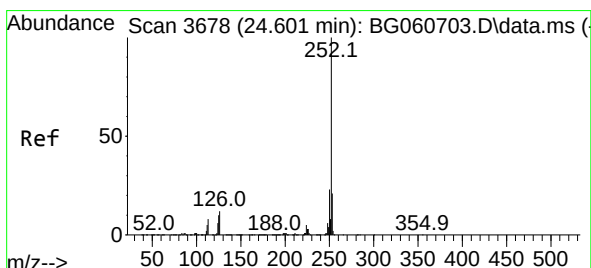
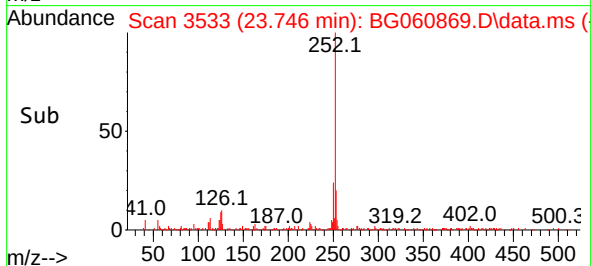
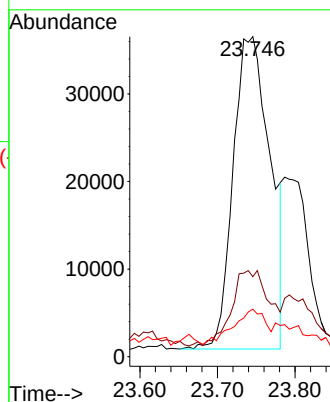
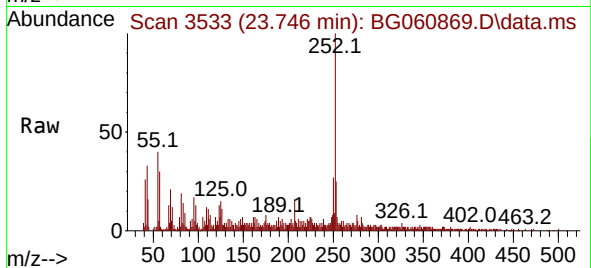
Tgt Ion:252 Resp: 118163

Ion Ratio Lower Upper

252 100

253 25.0 17.6 26.4

125 14.9 7.5 11.3#



#90

Benzo(a)pyrene

Concen: 3.929 ng

RT: 24.574 min Scan# 3674

Delta R.T. -0.027 min

Lab File: BG060869.D

Acq: 11 Apr 2024 21:40

Tgt Ion:252 Resp: 85144

Ion Ratio Lower Upper

252 100

253 23.6 16.8 25.2

125 12.1 7.6 11.4#

