

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG122023\  
 Data File : BG060102.D  
 Acq On : 20 Dec 2023 13:27  
 Operator : MA/JU  
 Sample : 05853-04  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EAST-WALL

Quant Time: Dec 20 14:06:26 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG121323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 19 04:37:23 2023  
 Response via : Initial Calibration

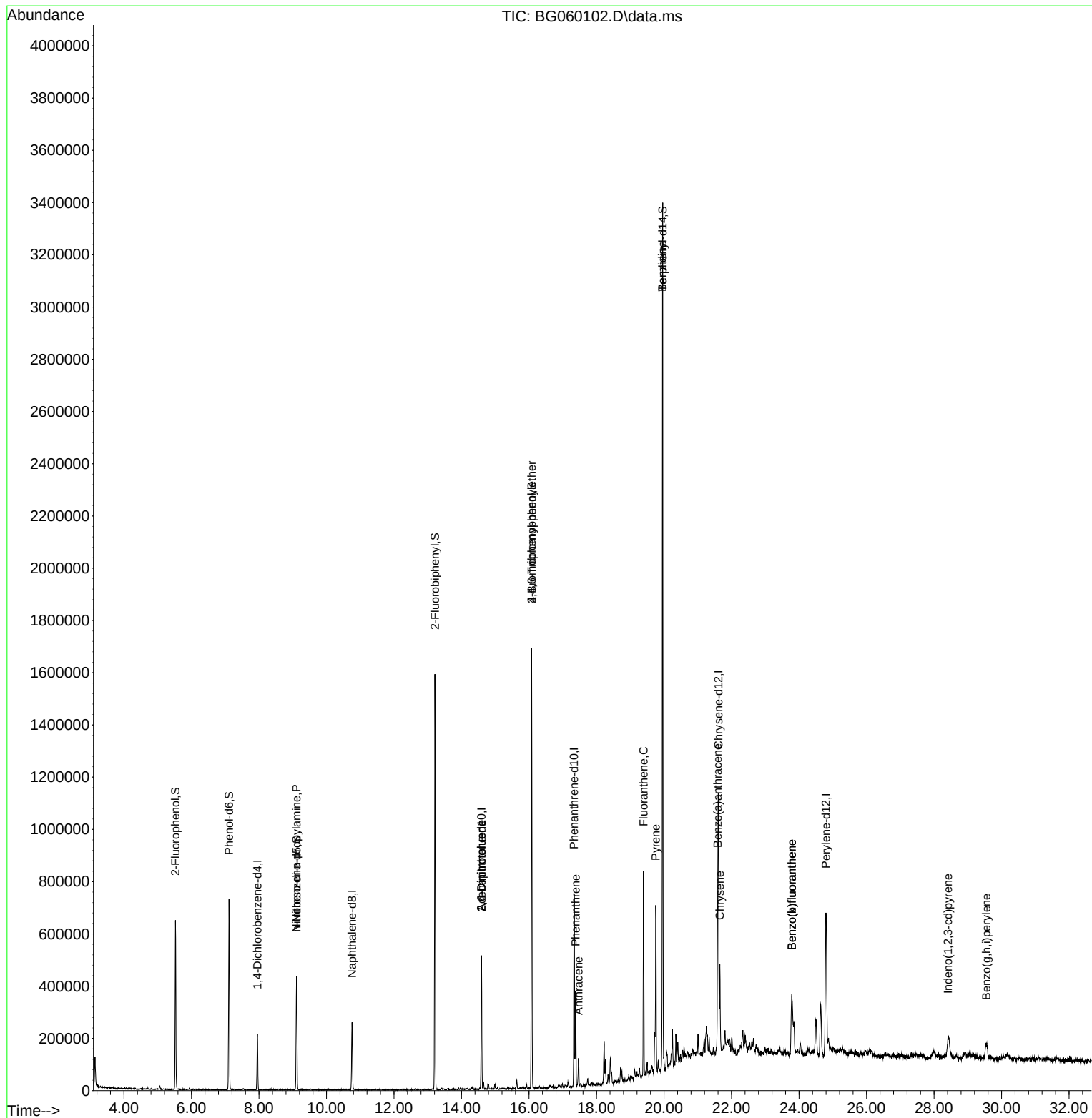
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.951  | 152  | 53343    | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.754 | 136  | 187199   | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.591 | 164  | 179819   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.334 | 188  | 522799   | 20.000    | ng    | #-0.01   |
| 76) Chrysene-d12              | 21.606 | 240  | 602278   | 20.000    | ng    | #-0.01   |
| 86) Perylene-d12              | 24.796 | 264  | 696350   | 20.000    | ng    | -0.02    |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.525  | 112  | 201769   | 64.751    | ng    | 0.00     |
| 7) Phenol-d6                  | 7.111  | 99   | 319693   | 72.934    | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.109  | 82   | 241043   | 58.469    | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 16.077 | 330  | 396389   | 94.590    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.210 | 172  | 831500   | 56.594    | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.961 | 244  | 1933816  | 58.621    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 9.109  | 70   | 38199    | 13.508    | ng    | # 75     |
| 51) 2,6-Dinitrotoluene        | 14.591 | 165  | 25707    | 8.891     | ng    | # 23     |
| 57) 2,4-Dinitrotoluene        | 14.591 | 165  | 25707    | 6.325     | ng    | # 26     |
| 67) 4-Bromophenyl-phenylether | 16.077 | 248  | 24150    | 3.274     | ng    | # 1      |
| 69) Atrazine                  | 16.788 | 200  | 160      | Below Cal |       | # 34     |
| 71) Phenanthrene              | 17.382 | 178  | 265056   | 10.467    | ng    | 95       |
| 72) Anthracene                | 17.470 | 178  | 72385    | 2.843     | ng    | 99       |
| 75) Fluoranthene              | 19.391 | 202  | 547567   | 14.818    | ng    | 95       |
| 77) Benzidine                 | 19.955 | 184  | 28675    | 3.707     | ng    | # 88     |
| 78) Pyrene                    | 19.755 | 202  | 468141   | 12.823    | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.588 | 228  | 323723   | 8.002     | ng    | 95       |
| 83) Chrysene                  | 21.653 | 228  | 271086   | 7.073     | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.416 | 276  | 182054   | 3.663     | ng    | # 93     |
| 88) Benzo(b)fluoranthene      | 23.786 | 252  | 354974   | 8.254     | ng    | # 98     |
| 89) Benzo(k)fluoranthene      | 23.786 | 252  | 354974   | 8.509     | ng    | # 98     |
| 92) Benzo(g,h,i)perylene      | 29.550 | 276  | 157450   | 3.809     | ng    | # 96     |
| -----                         |        |      |          |           |       |          |

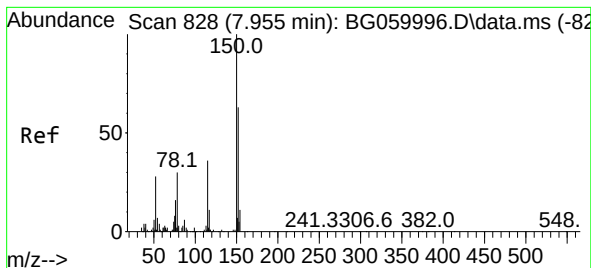
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG122023\  
Data File : BG060102.D  
Acq On : 20 Dec 2023 13:27  
Operator : MA/JU  
Sample : 05853-04  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
EAST-WALL

Quant Time: Dec 20 14:06:26 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG121323.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 19 04:37:23 2023  
Response via : Initial Calibration

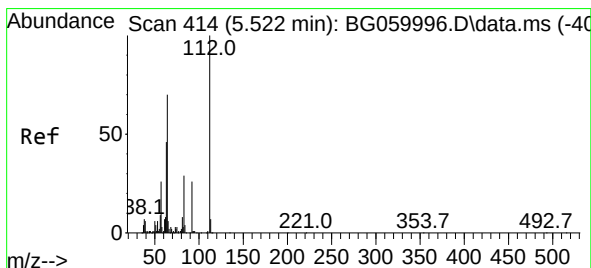
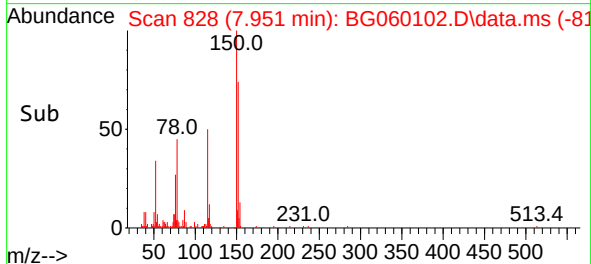
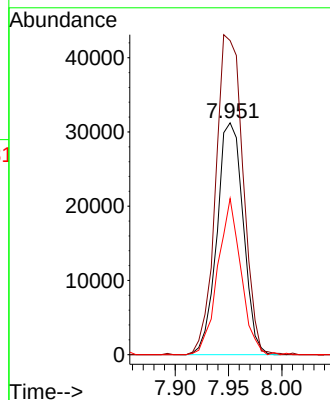
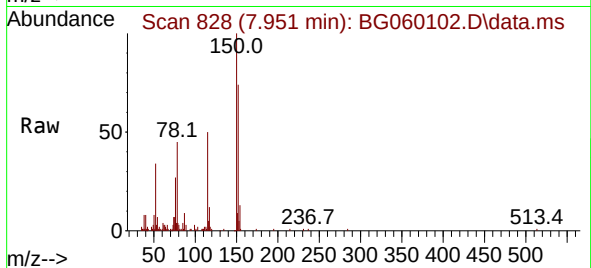




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.951 min Scan# 81  
 Delta R.T. -0.008 min  
 Lab File: BG060102.D  
 Acq: 20 Dec 2023 13:27

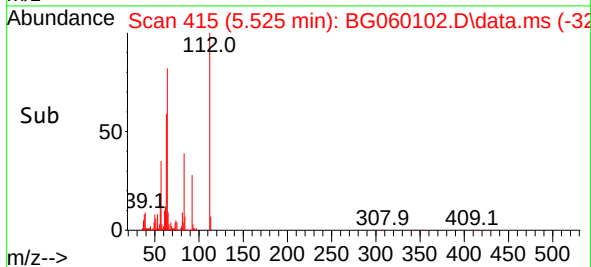
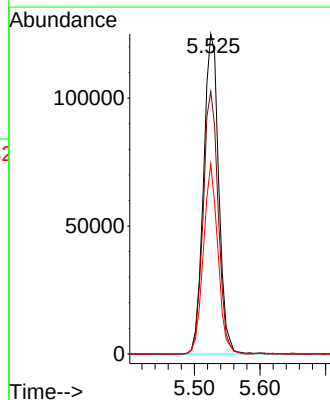
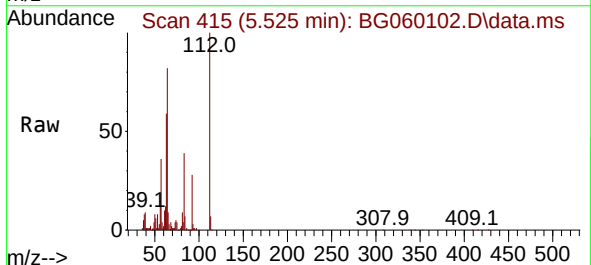
Instrument :  
 BNA\_G  
 ClientSampleId :  
 EAST-WALL

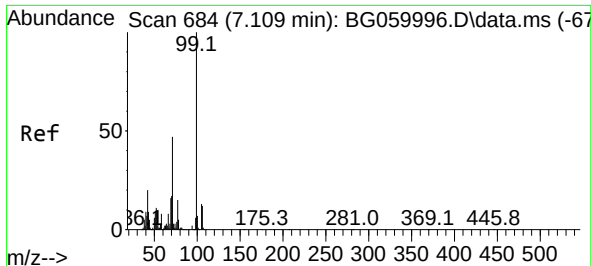
Tgt Ion:152 Resp: 53343  
 Ion Ratio Lower Upper  
 152 100  
 150 135.5 127.0 190.6  
 115 67.4 45.7 68.5



#5  
 2-Fluorophenol  
 Concen: 64.751 ng  
 RT: 5.525 min Scan# 415  
 Delta R.T. -0.001 min  
 Lab File: BG060102.D  
 Acq: 20 Dec 2023 13:27

Tgt Ion:112 Resp: 201769  
 Ion Ratio Lower Upper  
 112 100  
 64 82.0 55.9 83.9  
 63 59.3 36.5 54.7#

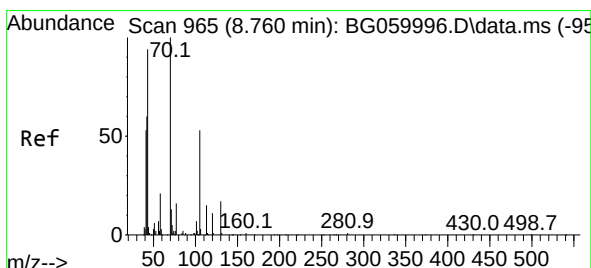
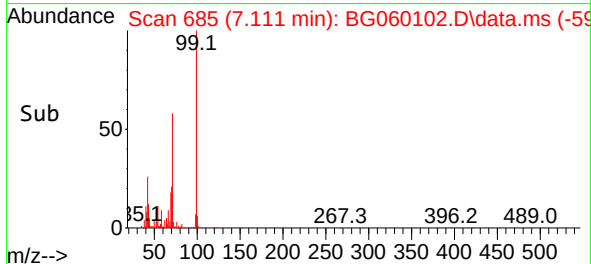
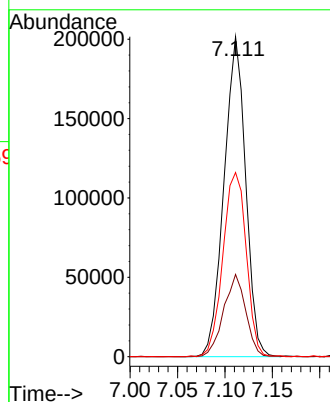
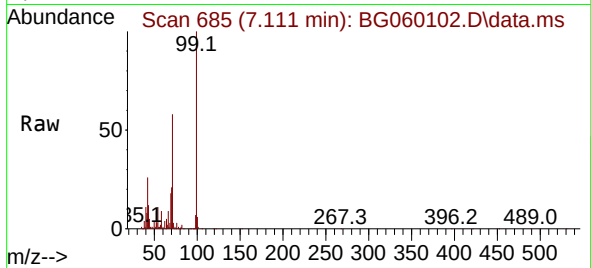




#7  
Phenol-d6  
Concen: 72.934 ng  
RT: 7.111 min Scan# 61  
Delta R.T. -0.001 min  
Lab File: BG060102.D  
Acq: 20 Dec 2023 13:27

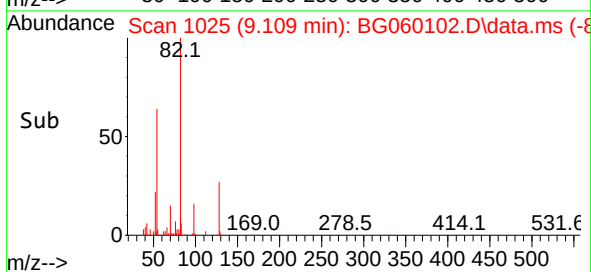
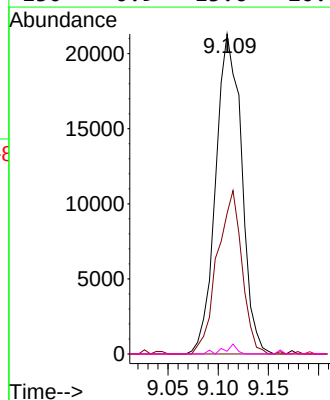
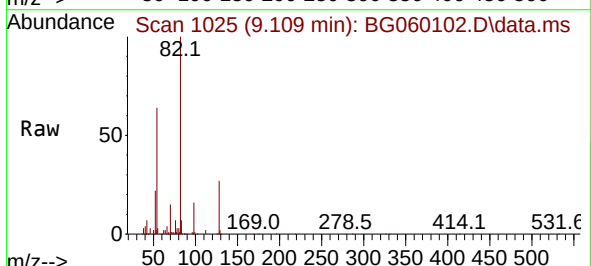
Instrument :  
BNA\_G  
ClientSampleId :  
EAST-WALL

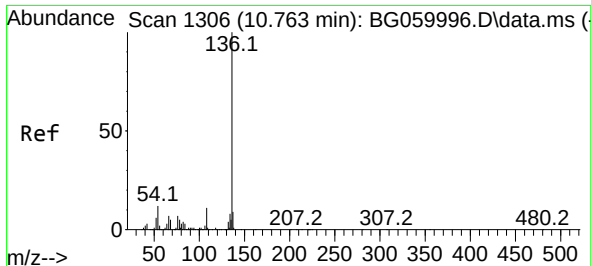
Tgt Ion: 99 Resp: 319693  
Ion Ratio Lower Upper  
99 100  
42 25.7 16.2 24.4#  
71 57.6 37.6 56.4#



#19  
n-Nitroso-di-n-propylamine  
Concen: 13.508 ng  
RT: 9.109 min Scan# 1025  
Delta R.T. 0.345 min  
Lab File: BG060102.D  
Acq: 20 Dec 2023 13:27

Tgt Ion: 70 Resp: 38199  
Ion Ratio Lower Upper  
70 100  
42 43.9 48.6 73.0#  
101 0.0 5.7 8.5#  
130 0.9 13.6 20.4#

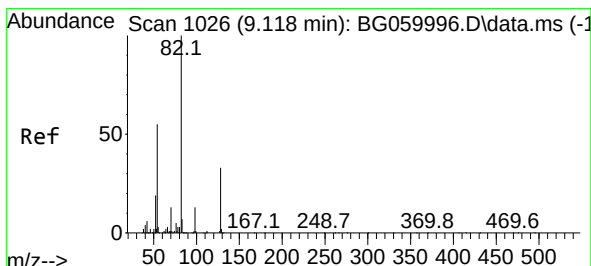
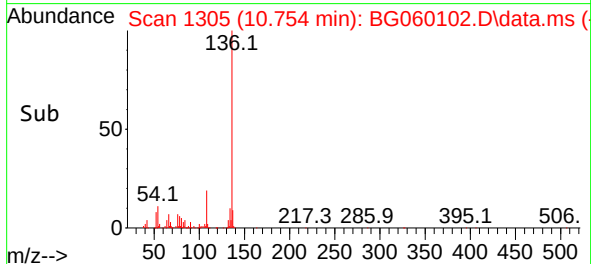
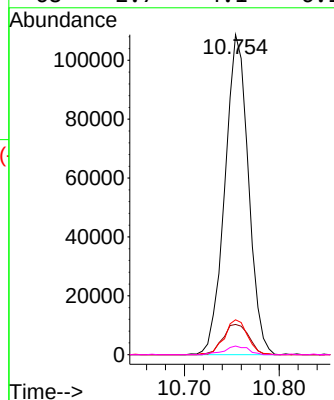
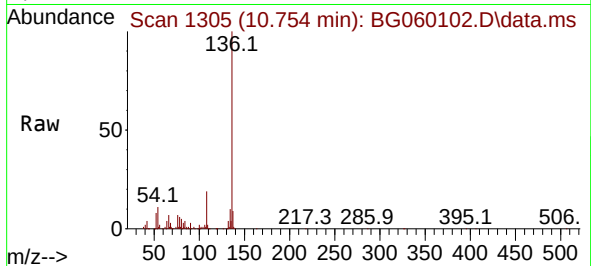




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.754 min Scan# 11  
Delta R.T. -0.007 min  
Lab File: BG060102.D  
Acq: 20 Dec 2023 13:27

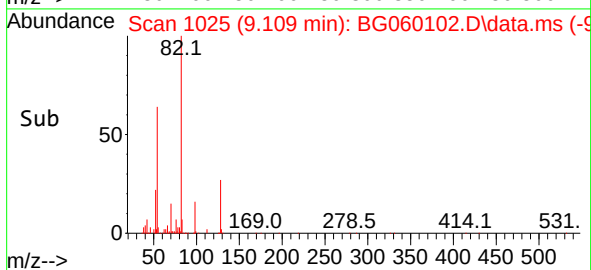
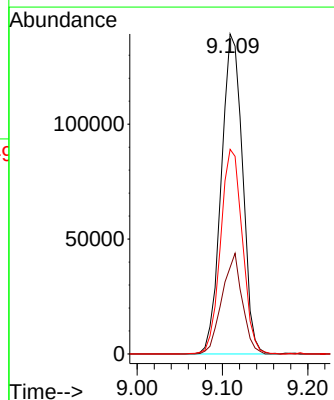
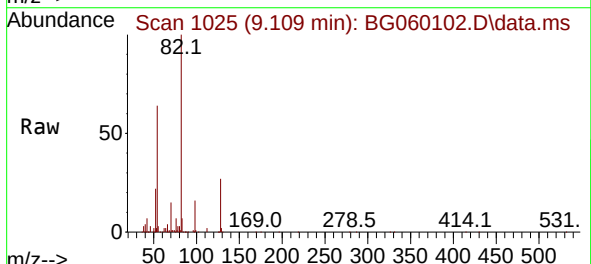
Instrument :  
BNA\_G  
ClientSampleId :  
EAST-WALL

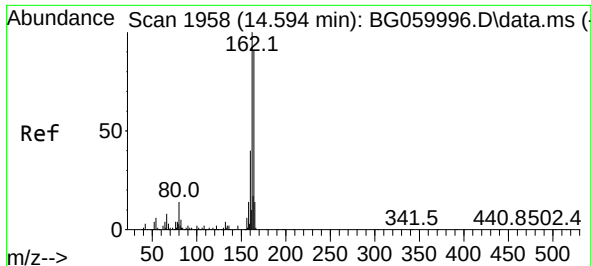
|             |               |
|-------------|---------------|
| Tgt Ion:136 | Resp: 187199  |
| Ion Ratio   | Lower Upper   |
| 136         | 100           |
| 137         | 9.4 7.3 10.9  |
| 54          | 10.9 9.6 14.4 |
| 68          | 2.7 4.1 6.1#  |



#23  
Nitrobenzene-d5  
Concen: 58.469 ng  
RT: 9.109 min Scan# 1025  
Delta R.T. -0.013 min  
Lab File: BG060102.D  
Acq: 20 Dec 2023 13:27

|             |                |
|-------------|----------------|
| Tgt Ion: 82 | Resp: 241043   |
| Ion Ratio   | Lower Upper    |
| 82          | 100            |
| 128         | 27.1 26.3 39.5 |
| 54          | 63.9 44.3 66.5 |

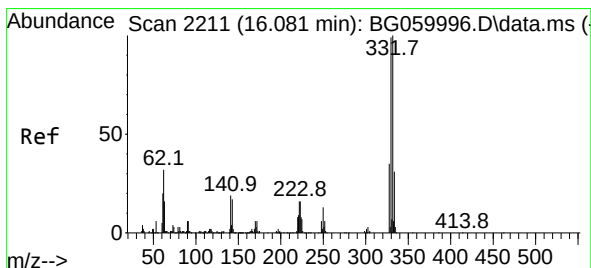
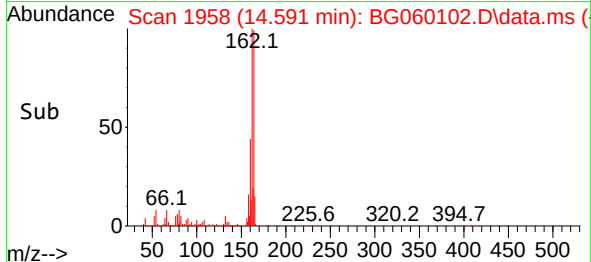
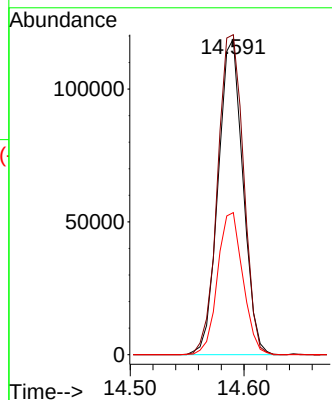
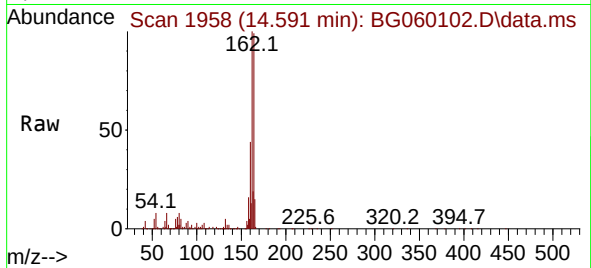




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.591 min Scan# 1958  
Delta R.T. -0.007 min  
Lab File: BG060102.D  
Acq: 20 Dec 2023 13:27

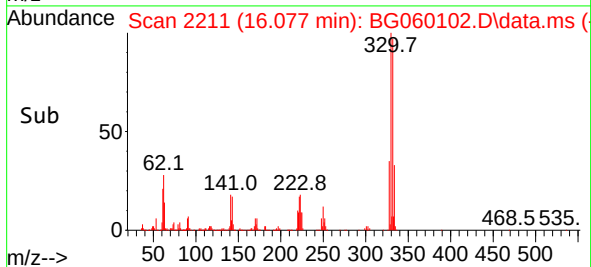
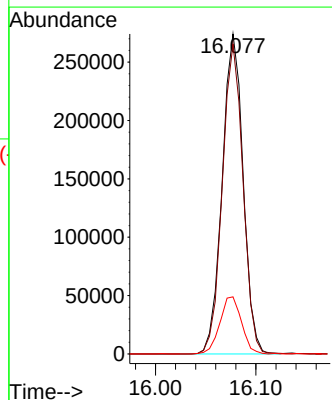
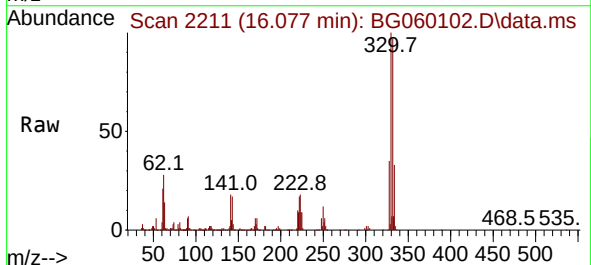
Instrument :  
BNA\_G  
ClientSampleId :  
EAST-WALL

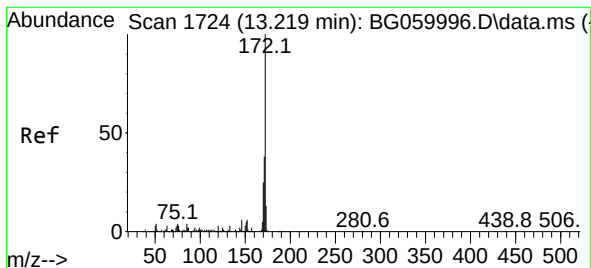
Tgt Ion:164 Resp: 179819  
Ion Ratio Lower Upper  
164 100  
162 101.3 88.1 132.1  
160 45.0 35.4 53.0



#42  
2,4,6-Tribromophenol  
Concen: 94.590 ng  
RT: 16.077 min Scan# 2211  
Delta R.T. -0.007 min  
Lab File: BG060102.D  
Acq: 20 Dec 2023 13:27

Tgt Ion:330 Resp: 396389  
Ion Ratio Lower Upper  
330 100  
332 95.5 76.2 114.4  
141 18.5 14.3 21.5





#45

2-Fluorobiphenyl

Concen: 56.594 ng

RT: 13.210 min Scan# 1

Delta R.T. -0.007 min

Lab File: BG060102.D

Acq: 20 Dec 2023 13:27

Instrument :

BNA\_G

ClientSampleId :

EAST-WALL

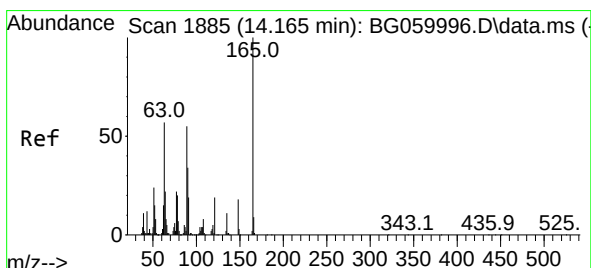
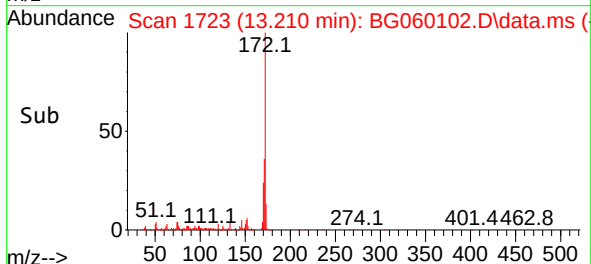
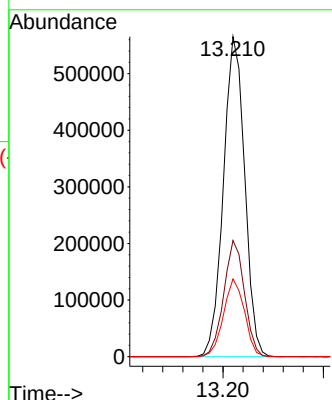
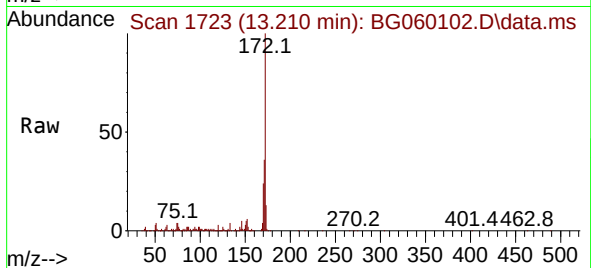
Tgt Ion:172 Resp: 831500

Ion Ratio Lower Upper

172 100

171 36.3 30.1 45.1

170 24.3 20.0 30.0



#51

2,6-Dinitrotoluene

Concen: 8.891 ng

RT: 14.591 min Scan# 1958

Delta R.T. 0.422 min

Lab File: BG060102.D

Acq: 20 Dec 2023 13:27

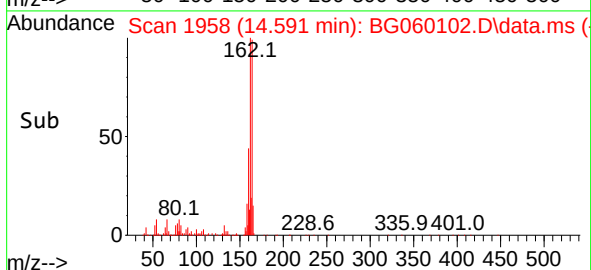
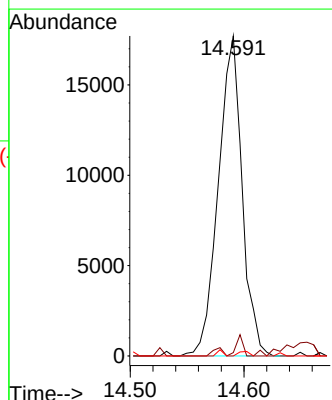
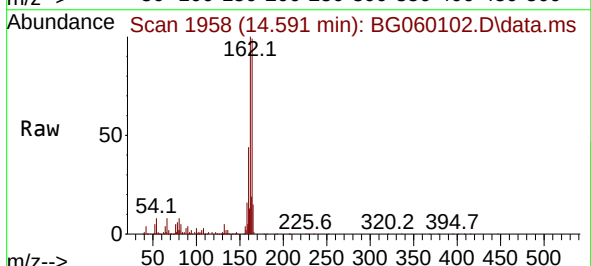
Tgt Ion:165 Resp: 25707

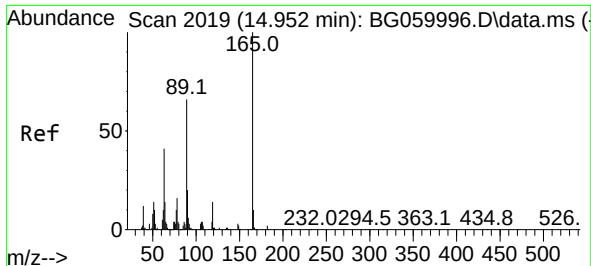
Ion Ratio Lower Upper

165 100

63 1.1 48.2 72.2#

89 0.0 44.4 66.6#

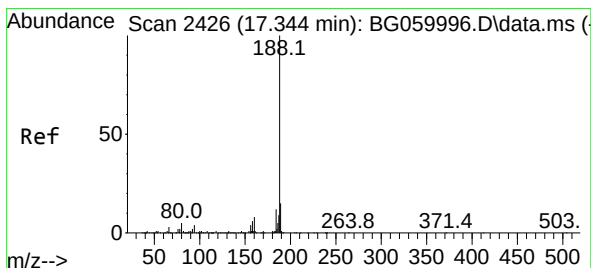
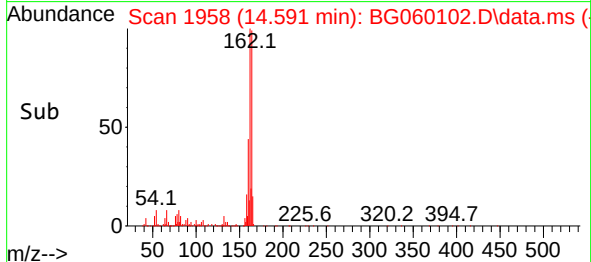
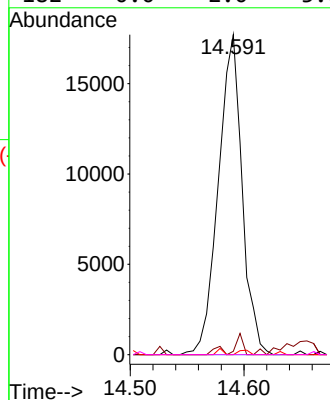
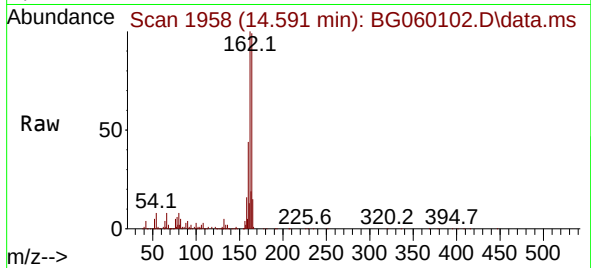




#57  
2,4-Dinitrotoluene  
Concen: 6.325 ng  
RT: 14.591 min Scan# 1958  
Delta R.T. -0.360 min  
Lab File: BG060102.D  
Acq: 20 Dec 2023 13:27

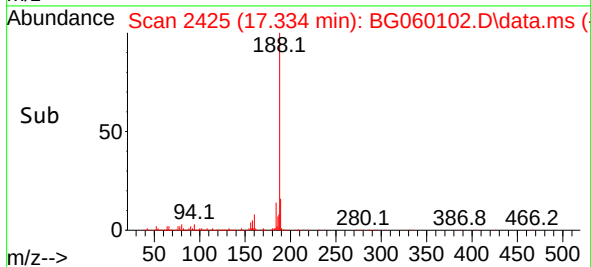
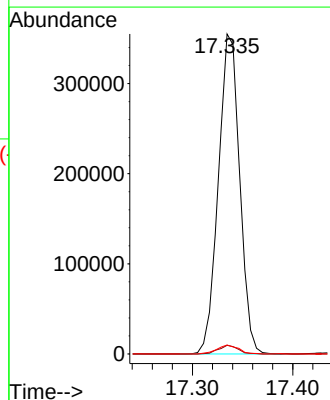
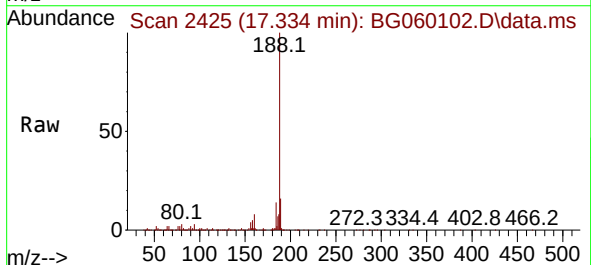
Instrument :  
BNA\_G  
ClientSampleId :  
EAST-WALL

Tgt Ion:165 Resp: 25707  
Ion Ratio Lower Upper  
165 100  
63 1.1 32.8 49.2#  
89 0.0 53.0 79.6#  
182 0.0 2.0 3.0#

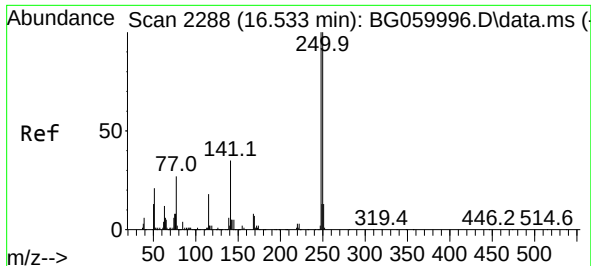


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.334 min Scan# 2425  
Delta R.T. -0.013 min  
Lab File: BG060102.D  
Acq: 20 Dec 2023 13:27

Tgt Ion:188 Resp: 522799  
Ion Ratio Lower Upper  
188 100  
94 2.7 3.0 4.6#  
80 2.8 4.0 6.0#



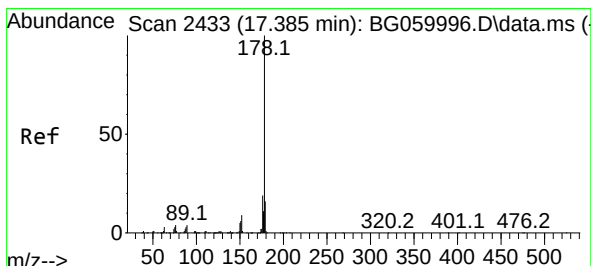
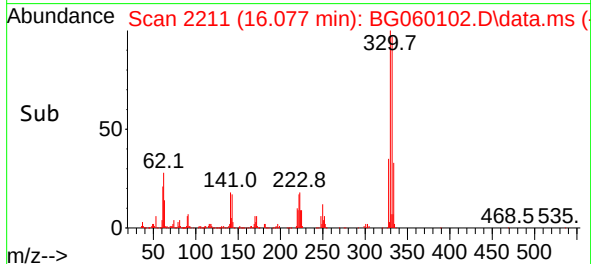
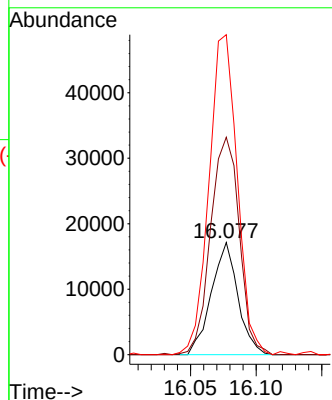
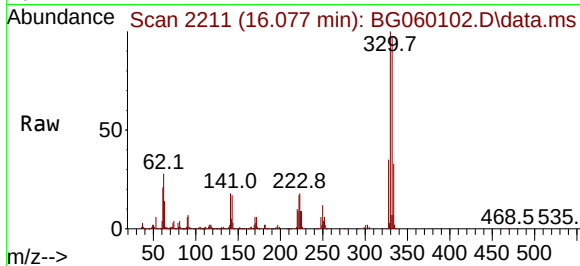




#67  
4-Bromophenyl-phenylether  
Concen: 3.274 ng  
RT: 16.077 min Scan# 211  
Delta R.T. -0.460 min  
Lab File: BG060102.D  
Acq: 20 Dec 2023 13:27

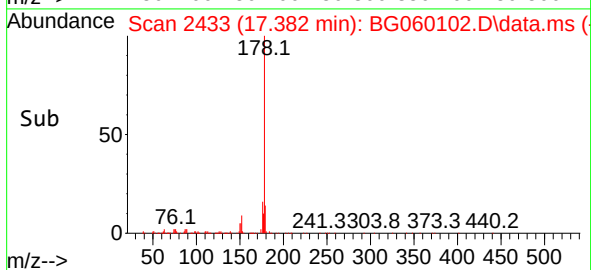
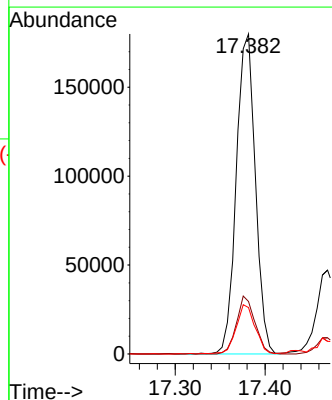
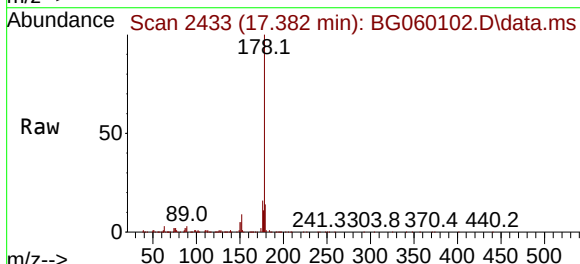
Instrument :  
BNA\_G  
ClientSampleId :  
EAST-WALL

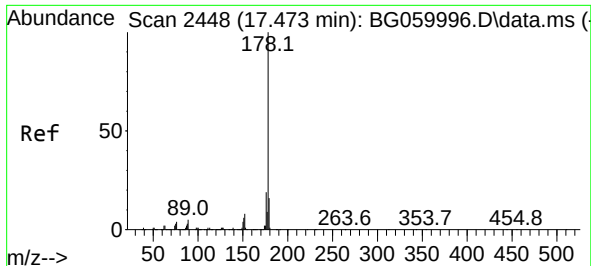
Tgt Ion:248 Resp: 24150  
Ion Ratio Lower Upper  
248 100  
250 193.9 79.9 119.9#  
141 285.3 28.3 42.5#



#71  
Phenanthrene  
Concen: 10.467 ng  
RT: 17.382 min Scan# 2433  
Delta R.T. -0.007 min  
Lab File: BG060102.D  
Acq: 20 Dec 2023 13:27

Tgt Ion:178 Resp: 265056  
Ion Ratio Lower Upper  
178 100  
176 16.4 15.6 23.4  
179 14.5 12.6 19.0

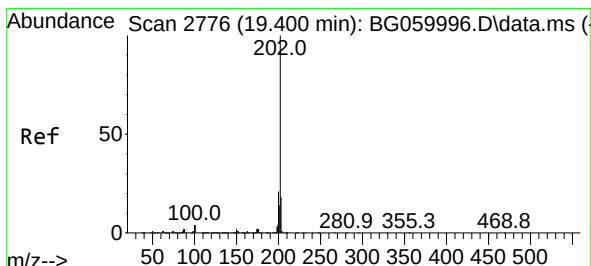
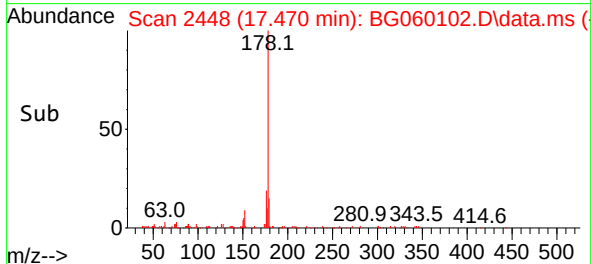
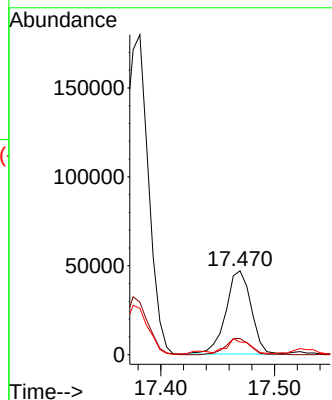
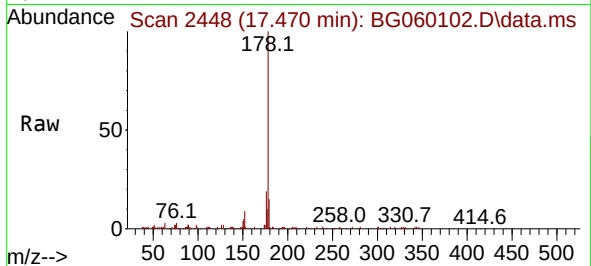




#72  
 Anthracene  
 Concen: 2.843 ng  
 RT: 17.470 min Scan# 2448  
 Delta R.T. -0.007 min  
 Lab File: BG060102.D  
 Acq: 20 Dec 2023 13:27

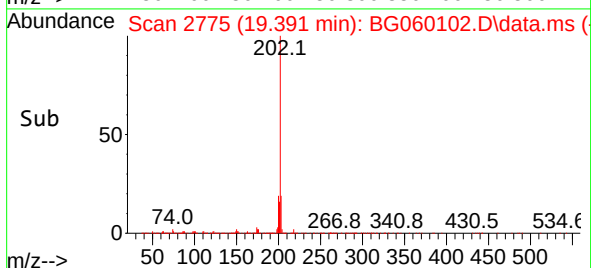
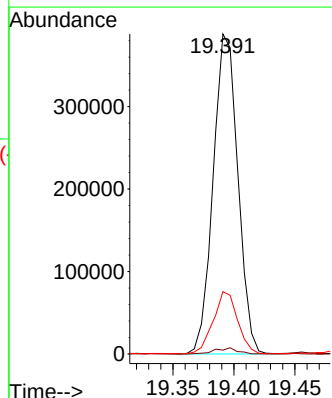
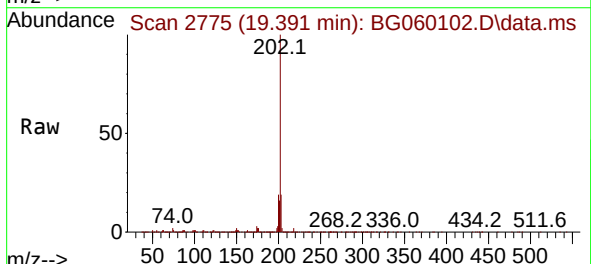
Instrument :  
 BNA\_G  
 ClientSampleId :  
 EAST-WALL

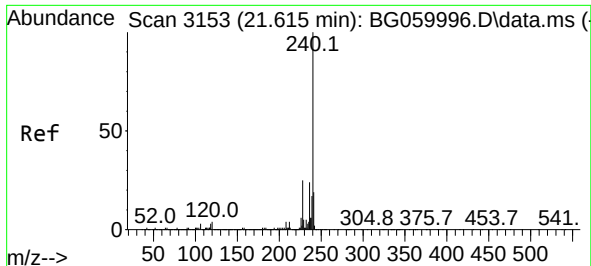
Tgt Ion:178 Resp: 72385  
 Ion Ratio Lower Upper  
 178 100  
 176 19.3 15.0 22.6  
 179 15.1 12.6 19.0



#75  
 Fluoranthene  
 Concen: 14.818 ng  
 RT: 19.391 min Scan# 2775  
 Delta R.T. -0.013 min  
 Lab File: BG060102.D  
 Acq: 20 Dec 2023 13:27

Tgt Ion:202 Resp: 547567  
 Ion Ratio Lower Upper  
 202 100  
 101 1.4 0.0 24.2  
 203 19.4 0.0 37.6

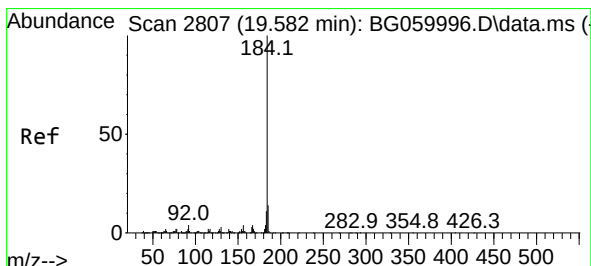
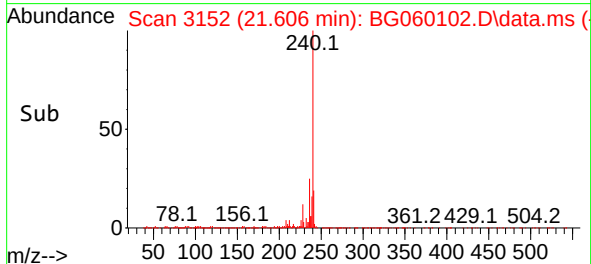
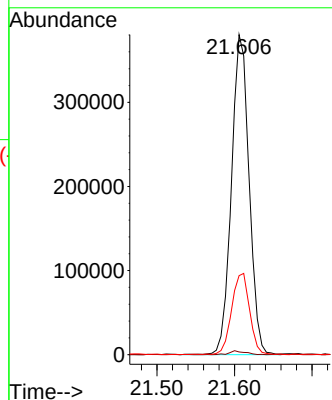
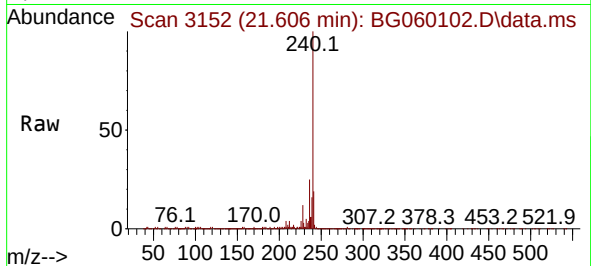




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.606 min Scan# 3153  
Delta R.T. -0.013 min  
Lab File: BG060102.D  
Acq: 20 Dec 2023 13:27

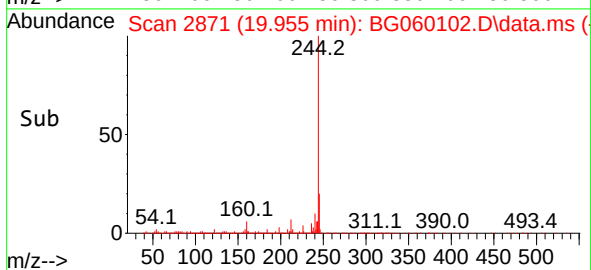
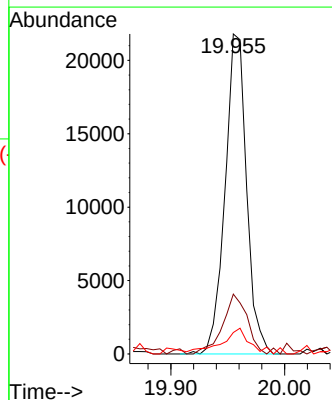
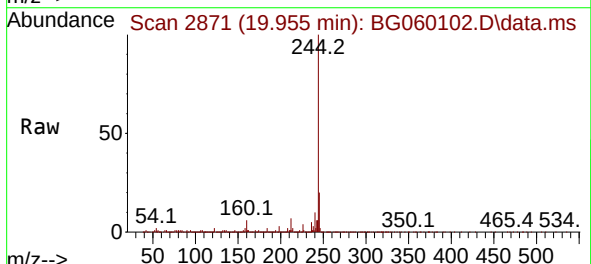
Instrument :  
BNA\_G  
ClientSampleId :  
EAST-WALL

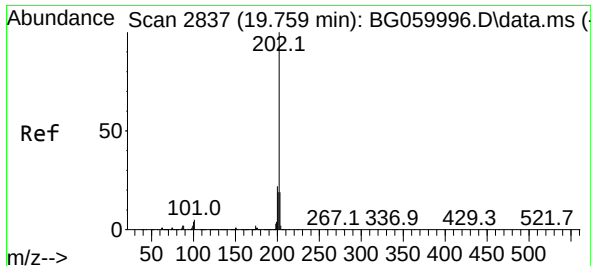
Tgt Ion:240 Resp: 602278  
Ion Ratio Lower Upper  
240 100  
120 0.9 2.9 4.3#  
236 24.7 19.4 29.2



#77  
Benzidine  
Concen: 3.707 ng  
RT: 19.955 min Scan# 2871  
Delta R.T. 0.369 min  
Lab File: BG060102.D  
Acq: 20 Dec 2023 13:27

Tgt Ion:184 Resp: 28675  
Ion Ratio Lower Upper  
184 100  
185 18.7 11.1 16.7#  
183 6.7 9.0 13.4#

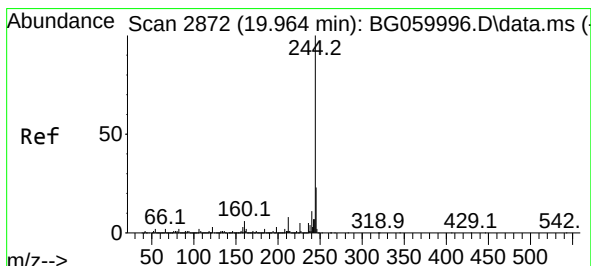
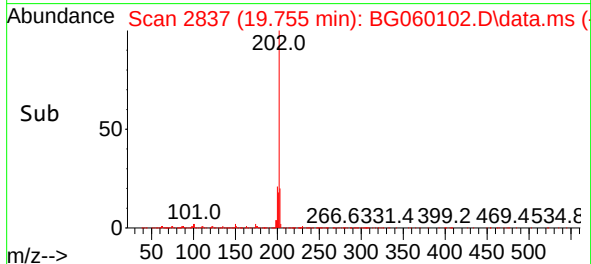
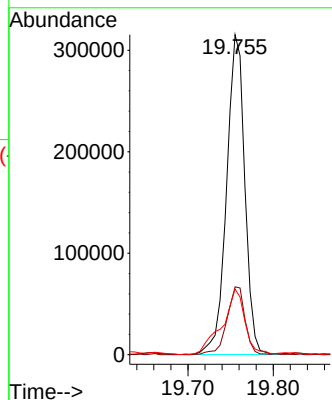
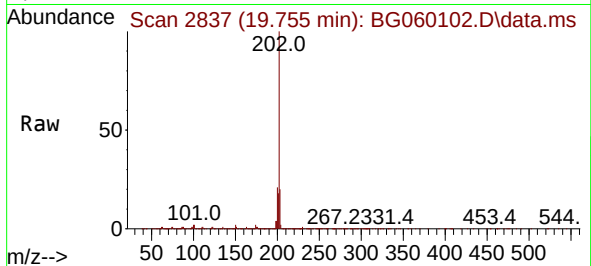




#78  
Pyrene  
Concen: 12.823 ng  
RT: 19.755 min Scan# 21  
Delta R.T. -0.007 min  
Lab File: BG060102.D  
Acq: 20 Dec 2023 13:27

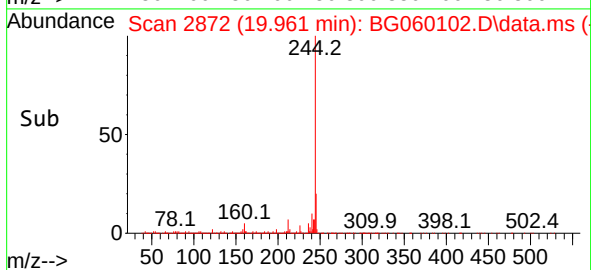
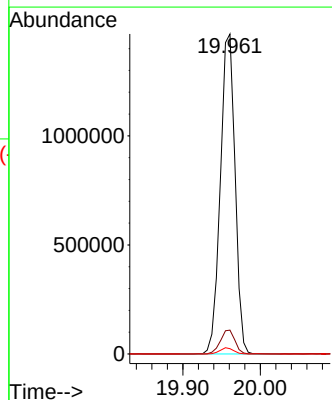
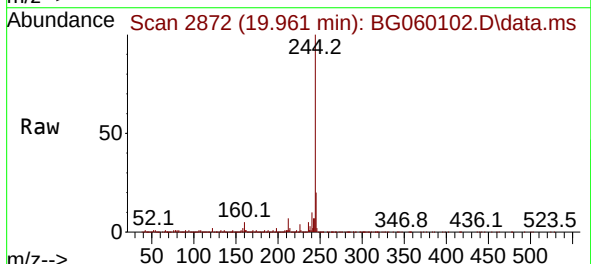
Instrument :  
BNA\_G  
ClientSampleId :  
EAST-WALL

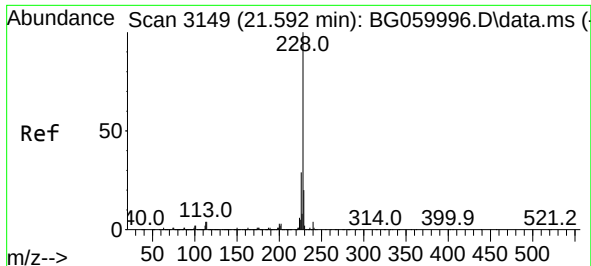
Tgt Ion:202 Resp: 468141  
Ion Ratio Lower Upper  
202 100  
200 21.2 17.6 26.4  
203 20.5 14.9 22.3



#79  
Terphenyl-d14  
Concen: 58.621 ng  
RT: 19.961 min Scan# 2872  
Delta R.T. -0.007 min  
Lab File: BG060102.D  
Acq: 20 Dec 2023 13:27

Tgt Ion:244 Resp: 1933816  
Ion Ratio Lower Upper  
244 100  
212 7.4 6.8 10.2  
122 1.6 2.6 3.8#

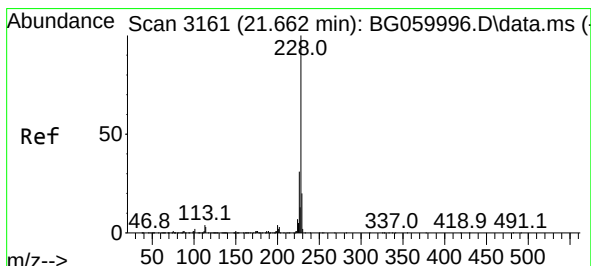
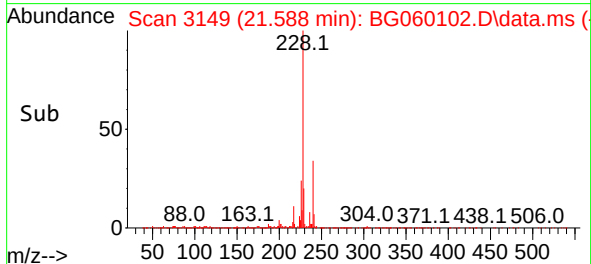
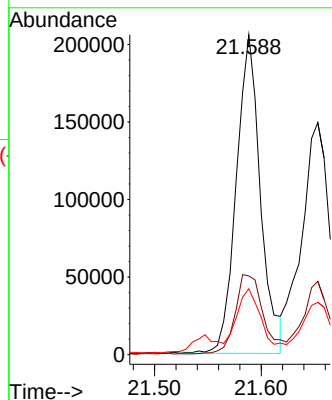
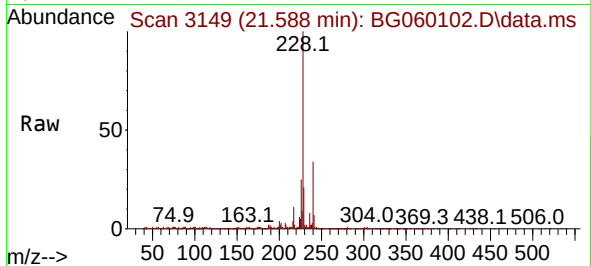




#81  
Benzo(a)anthracene  
Concen: 8.002 ng  
RT: 21.588 min Scan# 3149  
Delta R.T. -0.013 min  
Lab File: BG060102.D  
Acq: 20 Dec 2023 13:27

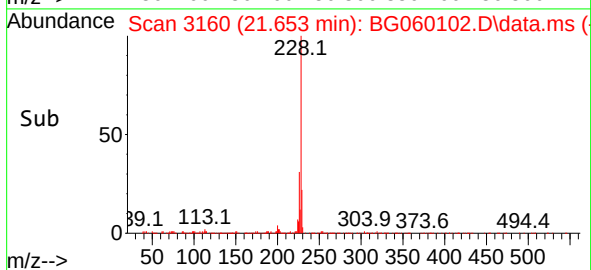
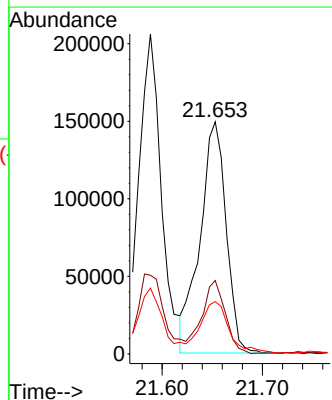
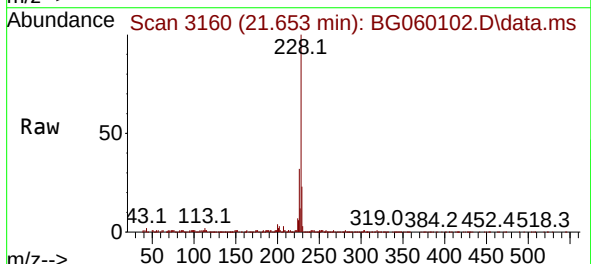
Instrument :  
BNA\_G  
ClientSampleId :  
EAST-WALL

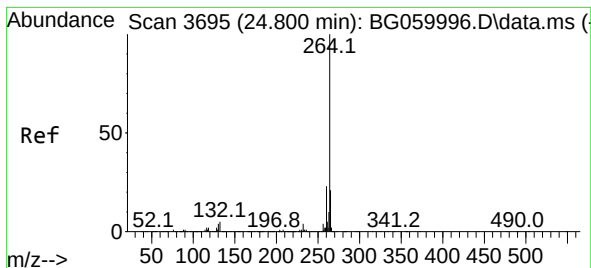
Tgt Ion:228 Resp: 323723  
Ion Ratio Lower Upper  
228 100  
226 24.6 22.9 34.3  
229 20.6 16.2 24.2



#83  
Chrysene  
Concen: 7.073 ng  
RT: 21.653 min Scan# 3160  
Delta R.T. -0.013 min  
Lab File: BG060102.D  
Acq: 20 Dec 2023 13:27

Tgt Ion:228 Resp: 271086  
Ion Ratio Lower Upper  
228 100  
226 31.6 25.0 37.6  
229 22.6 16.2 24.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.796 min Scan# 3

Delta R.T. -0.019 min

Lab File: BG060102.D

Acq: 20 Dec 2023 13:27

Instrument :

BNA\_G

ClientSampleId :

EAST-WALL

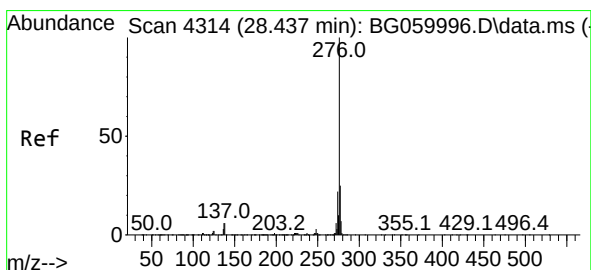
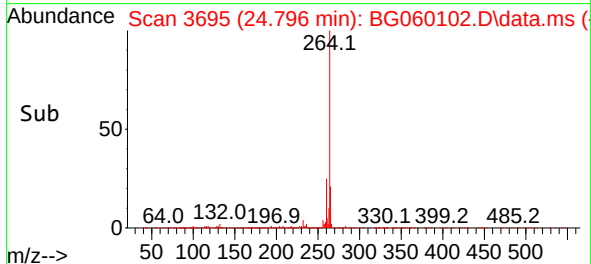
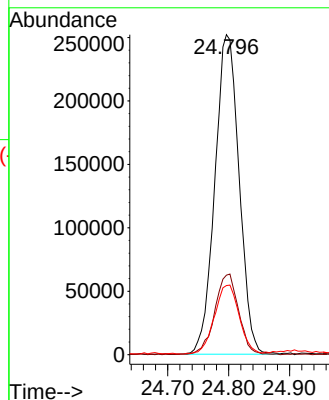
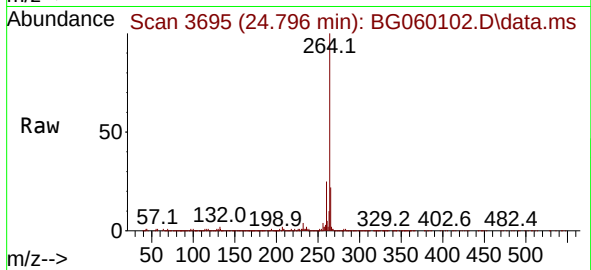
Tgt Ion:264 Resp: 696350

Ion Ratio Lower Upper

264 100

260 24.9 18.5 27.7

265 21.6 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.663 ng

RT: 28.416 min Scan# 4311

Delta R.T. -0.043 min

Lab File: BG060102.D

Acq: 20 Dec 2023 13:27

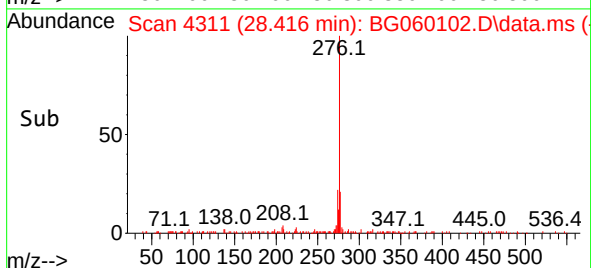
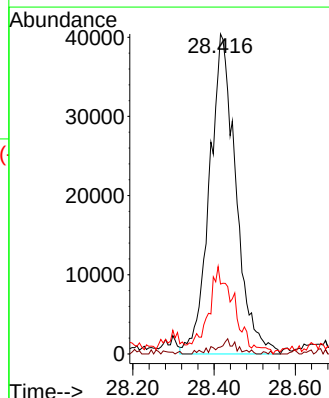
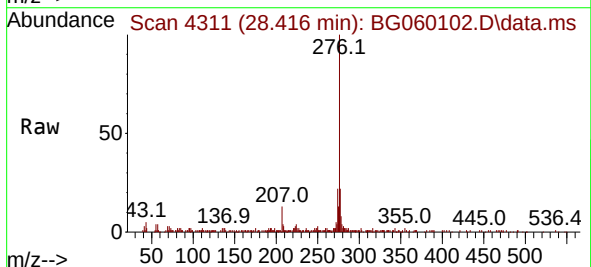
Tgt Ion:276 Resp: 182054

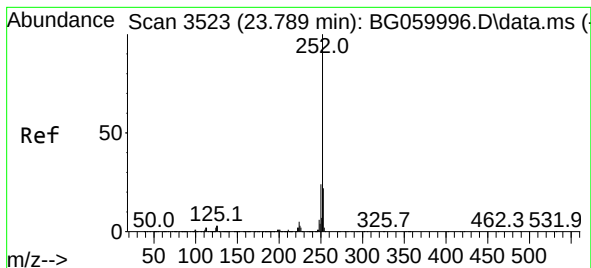
Ion Ratio Lower Upper

276 100

138 0.0 4.7 7.1#

277 22.7 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 8.254 ng

RT: 23.786 min Scan# 3523

Delta R.T. -0.013 min

Lab File: BG060102.D

Acq: 20 Dec 2023 13:27

Instrument :

BNA\_G

ClientSampleId :

EAST-WALL

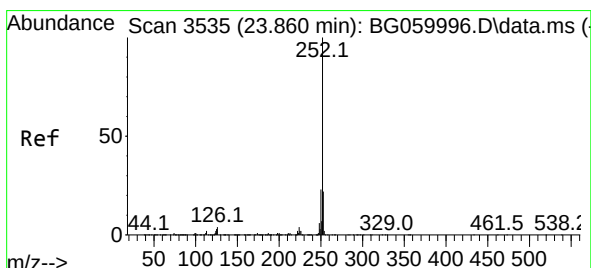
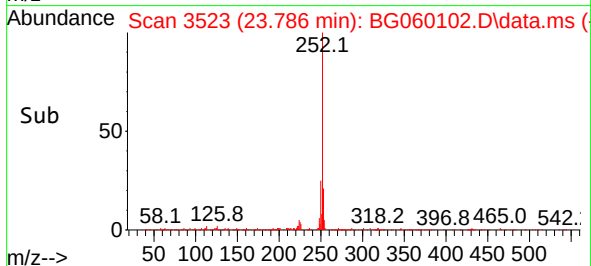
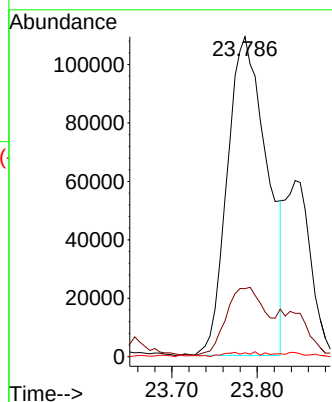
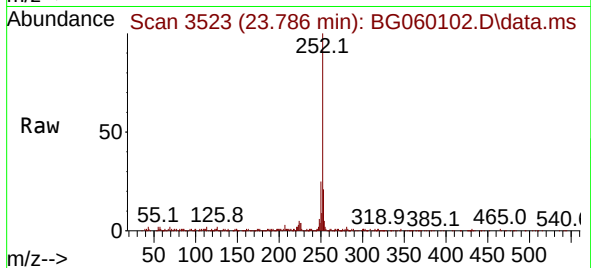
Tgt Ion:252 Resp: 354974

Ion Ratio Lower Upper

252 100

253 21.3 17.4 26.2

125 1.2 2.6 4.0#



#89

Benzo(k)fluoranthene

Concen: 8.509 ng

RT: 23.786 min Scan# 3523

Delta R.T. -0.084 min

Lab File: BG060102.D

Acq: 20 Dec 2023 13:27

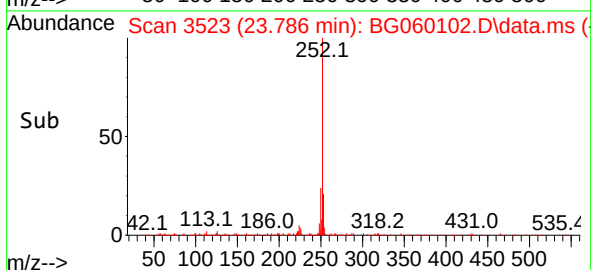
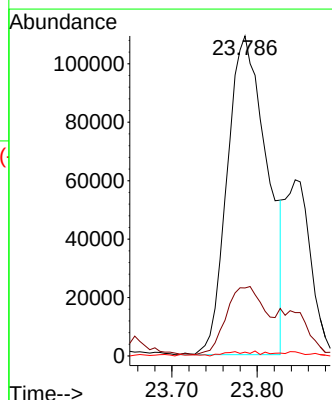
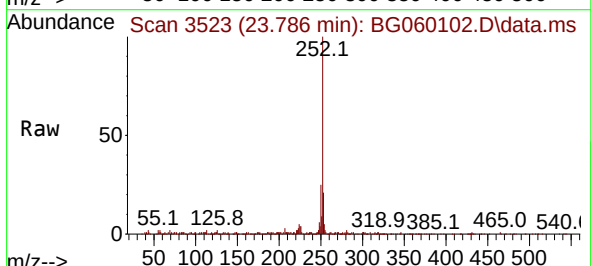
Tgt Ion:252 Resp: 354974

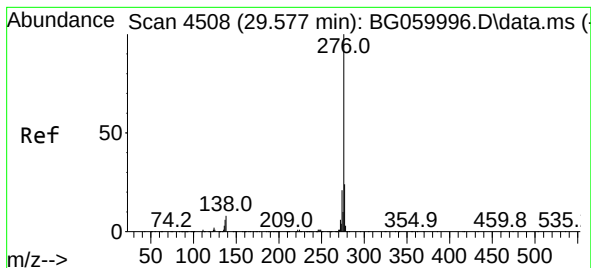
Ion Ratio Lower Upper

252 100

253 21.3 17.8 26.6

125 1.2 2.5 3.7#





#92

Benzo(g,h,i)perylene

Concen: 3.809 ng

RT: 29.550 min Scan# 4

Delta R.T. -0.048 min

Lab File: BG060102.D

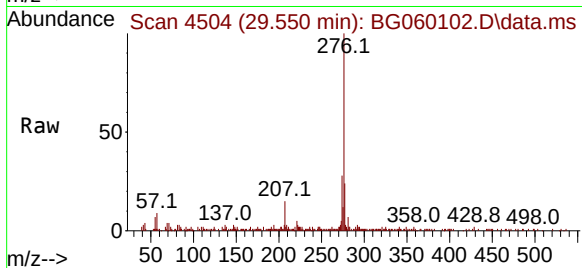
Acq: 20 Dec 2023 13:27

Instrument :

BNA\_G

ClientSampleId :

EAST-WALL



Tgt Ion:276 Resp: 157450

Ion Ratio Lower Upper

276 100

277 23.6 19.4 29.2

138 3.0 6.0 9.0#

