

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062224\  
 Data File : BM046233.D  
 Acq On : 23 Jun 2024 13:50  
 Operator : MA/JU  
 Sample : P2776-14  
 Misc :  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Jun 24 02:30:54 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 24 02:25:34 2024  
 Response via : Initial Calibration

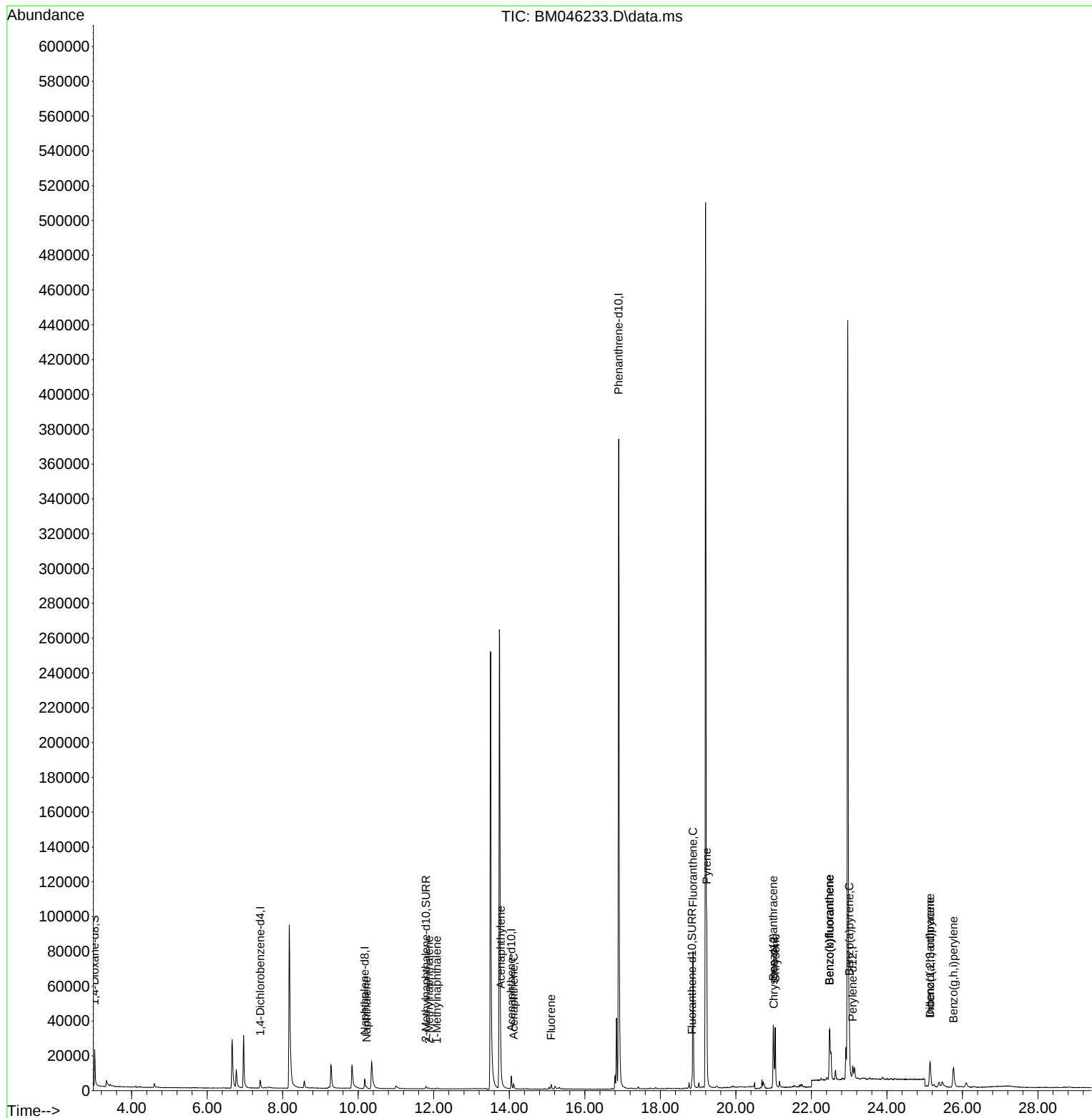
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.405  | 152  | 2578     | 0.400 | ng/ul  | -0.06    |
| 4) Naphthalene-d8           | 10.172 | 136  | 8122     | 0.400 | ng/ul  | -0.08    |
| 9) Acenaphthene-d10         | 14.053 | 164  | 4453     | 0.400 | ng/ul  | -0.06    |
| 13) Phenanthrene-d10        | 16.896 | 188  | 461863   | 0.400 | ng/ul  | # 0.04   |
| 17) Chrysene-d12            | 21.006 | 240  | 6870     | 0.400 | ng/ul  | -0.04    |
| 23) Perylene-d12            | 23.095 | 264  | 11641    | 0.400 | ng/ul  | #-0.05   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.021  | 96   | 11975    | 3.386 | ng/ul  | -0.03    |
| 6) 2-Methylnaphthalene-d10  | 11.794 | 152  | 2800     | 0.257 | ng/ul  | -0.07    |
| 18) Fluoranthene-d10        | 18.835 | 212  | 5962     | 0.290 | ng/ul  | -0.05    |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.222 | 128  | 1462     | 0.065 | ng/ul# | 84       |
| 7) 2-Methylnaphthalene      | 11.871 | 142  | 543      | 0.043 | ng/ul  | 98       |
| 8) 1-Methylnaphthalene      | 12.086 | 142  | 531      | 0.038 | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.771 | 152  | 3576     | 0.169 | ng/ul# | 94       |
| 11) Acenaphthene            | 14.118 | 153  | 1954     | 0.128 | ng/ul  | 98       |
| 12) Fluorene                | 15.108 | 166  | 2095     | 0.128 | ng/ul  | 98       |
| 19) Fluoranthene            | 18.867 | 202  | 77609    | 2.609 | ng/ul  | 96       |
| 20) Pyrene                  | 19.230 | 202  | 72478    | 2.253 | ng/ul  | 95       |
| 21) Benzo(a)anthracene      | 20.991 | 228  | 33933    | 1.279 | ng/ul  | 98       |
| 22) Chrysene                | 21.044 | 228  | 34080    | 1.006 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.481 | 252  | 63714    | 1.519 | ng/ul  | 89       |
| 25) Benzo(k)fluoranthene    | 22.481 | 252  | 63714    | 1.278 | ng/ul# | 87       |
| 26) Benzo(a)pyrene          | 23.004 | 252  | 32008    | 0.824 | ng/ul# | 80       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.142 | 276  | 24287    | 0.382 | ng/ul# | 93       |
| 28) Dibenzo(a,h)anthracene  | 25.145 | 278  | 5644     | 0.119 | ng/ul# | 79       |
| 29) Benzo(g,h,i)perylene    | 25.765 | 276  | 24083    | 0.442 | ng/ul  | 97       |
| -----                       |        |      |          |       |        |          |

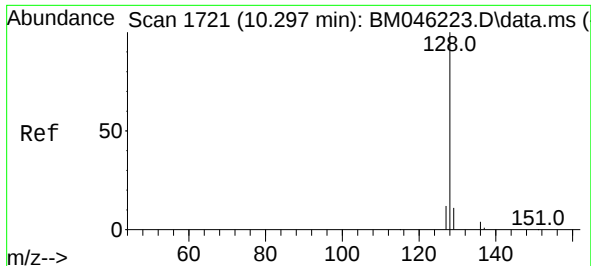
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062224\  
Data File : BM046233.D  
Acq On : 23 Jun 2024 13:50  
Operator : MA/JU  
Sample : P2776-14  
Misc :  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

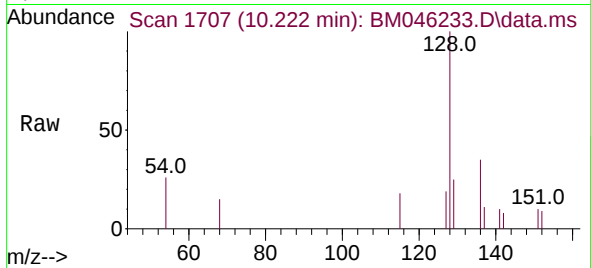
Quant Time: Jun 24 02:30:54 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 24 02:25:34 2024  
Response via : Initial Calibration



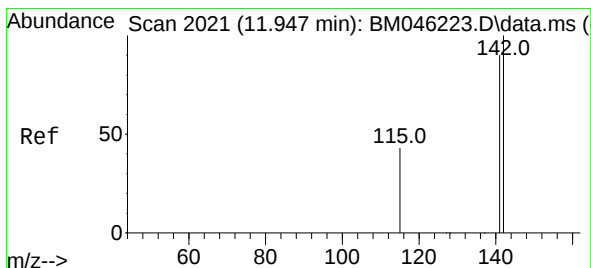
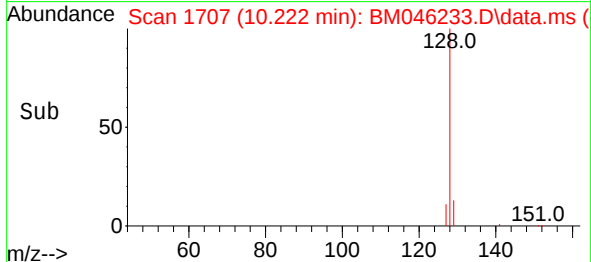
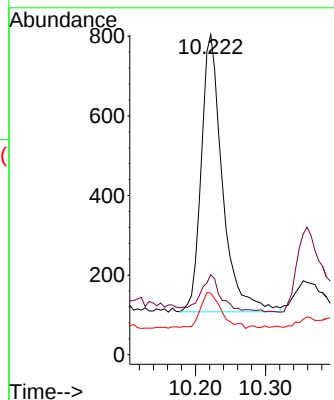


#5  
Naphthalene  
Concen: 0.065 ng/ul  
RT: 10.222 min Scan# 1  
Delta R.T. -0.081 min  
Lab File: BM046233.D  
Acq: 23 Jun 2024 13:50

Instrument :  
BNA\_M  
ClientSampleId :

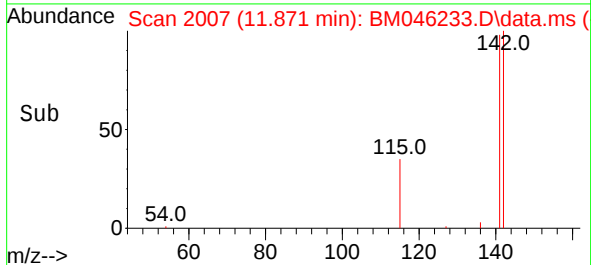
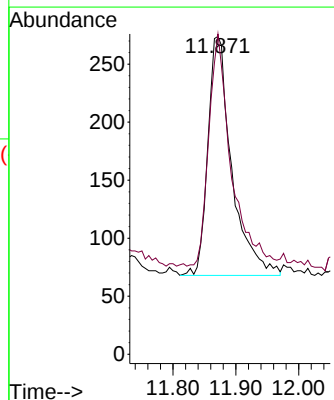
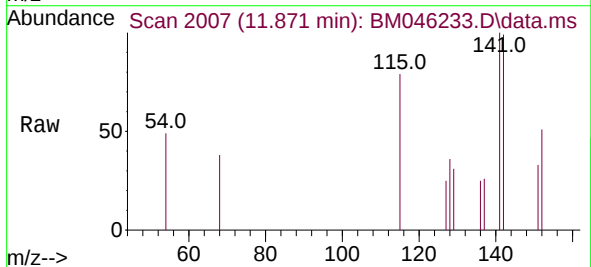


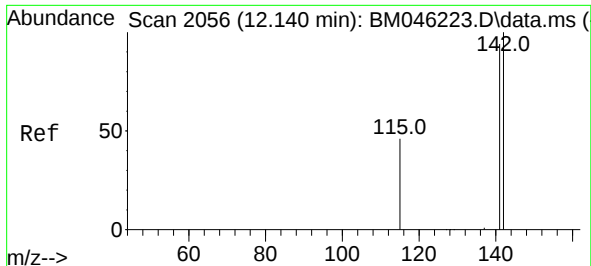
Tgt Ion:128 Resp: 1462  
Ion Ratio Lower Upper  
128 100  
129 25.0 11.8 17.6#  
127 19.3 12.8 19.2#



#7  
2-Methylnaphthalene  
Concen: 0.043 ng/ul  
RT: 11.871 min Scan# 2007  
Delta R.T. -0.076 min  
Lab File: BM046233.D  
Acq: 23 Jun 2024 13:50

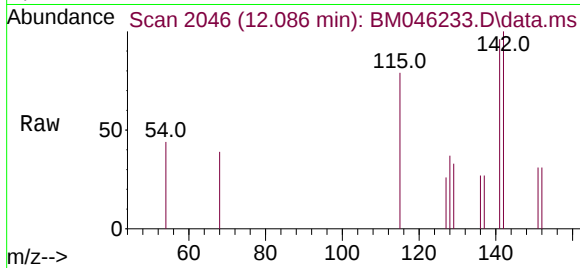
Tgt Ion:142 Resp: 543  
Ion Ratio Lower Upper  
142 100  
141 91.5 74.6 111.8



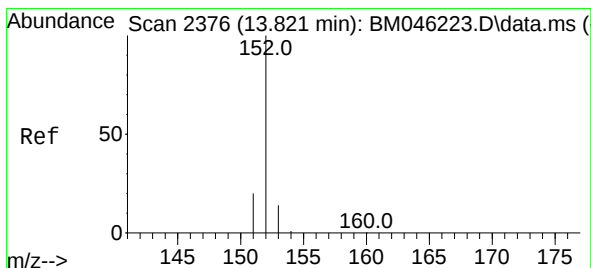
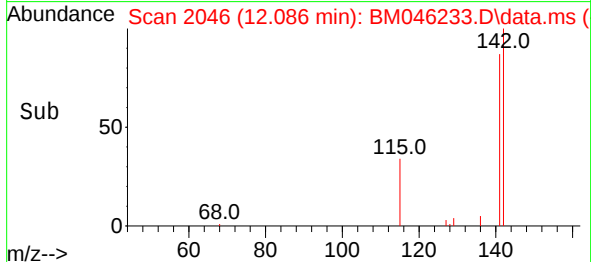
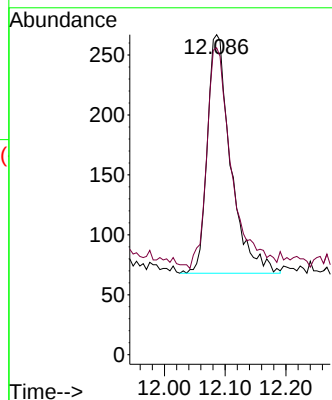


#8  
1-Methylnaphthalene  
Concen: 0.038 ng/ul  
RT: 12.086 min Scan# 2046  
Delta R.T. -0.065 min  
Lab File: BM046233.D  
Acq: 23 Jun 2024 13:50

Instrument :  
BNA\_M  
ClientSampleId :

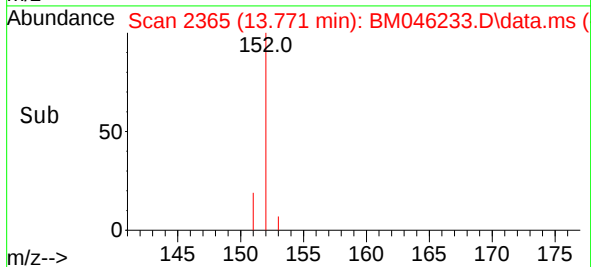
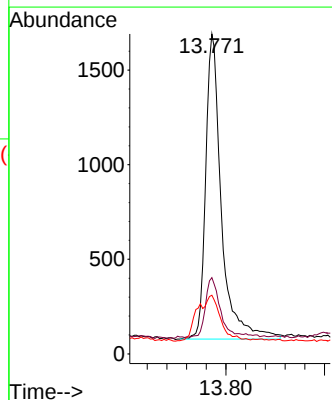
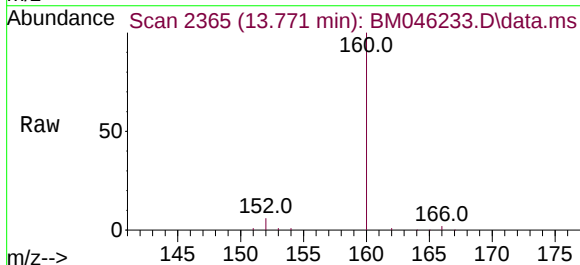


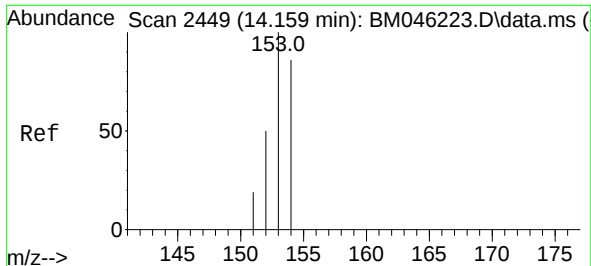
Tgt Ion:142 Resp: 531  
Ion Ratio Lower Upper  
142 100  
141 92.8 75.2 112.8



#10  
Acenaphthylene  
Concen: 0.169 ng/ul  
RT: 13.771 min Scan# 2365  
Delta R.T. -0.063 min  
Lab File: BM046233.D  
Acq: 23 Jun 2024 13:50

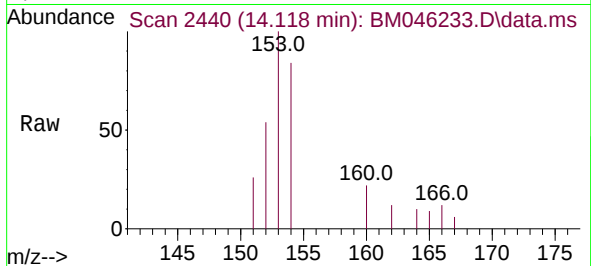
Tgt Ion:152 Resp: 3576  
Ion Ratio Lower Upper  
152 100  
151 23.8 17.4 26.2  
153 18.3 11.8 17.8#



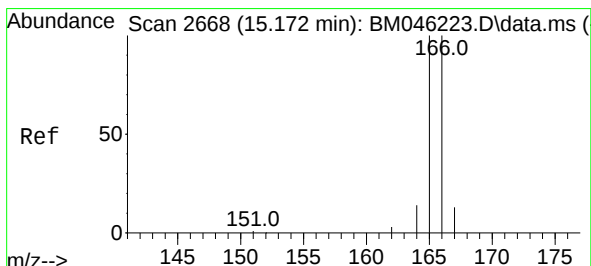
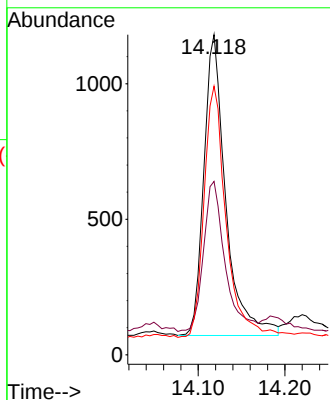
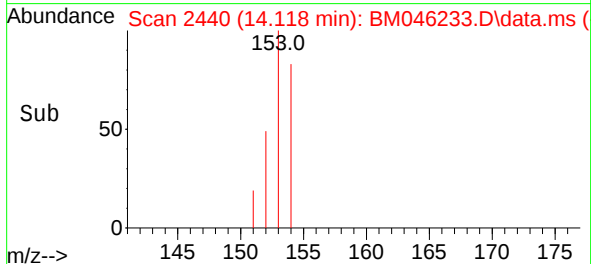


#11  
Acenaphthene  
Concen: 0.128 ng/ul  
RT: 14.118 min Scan# 2440  
Delta R.T. -0.054 min  
Lab File: BM046233.D  
Acq: 23 Jun 2024 13:50

Instrument :  
BNA\_M  
ClientSampleId :

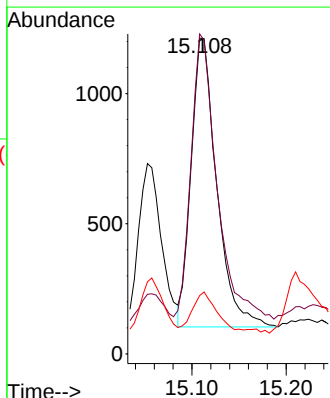
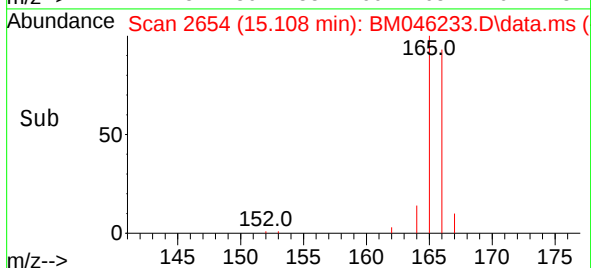
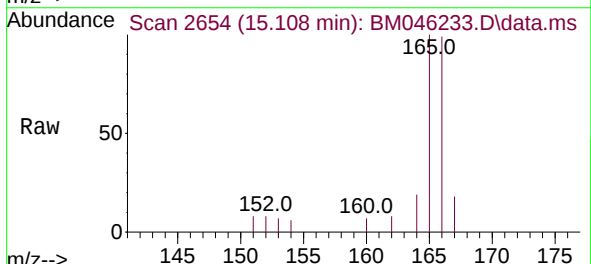


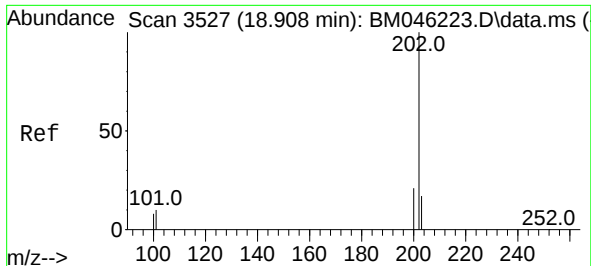
Tgt Ion:153 Resp: 1954  
Ion Ratio Lower Upper  
153 100  
152 54.2 41.3 61.9  
154 83.9 68.2 102.4



#12  
Fluorene  
Concen: 0.128 ng/ul  
RT: 15.108 min Scan# 2654  
Delta R.T. -0.073 min  
Lab File: BM046233.D  
Acq: 23 Jun 2024 13:50

Tgt Ion:166 Resp: 2095  
Ion Ratio Lower Upper  
166 100  
165 101.3 80.4 120.6  
167 18.5 12.4 18.6





#19

Fluoranthene

Concen: 2.609 ng/ul

RT: 18.867 min Scan# 3518

Delta R.T. -0.050 min

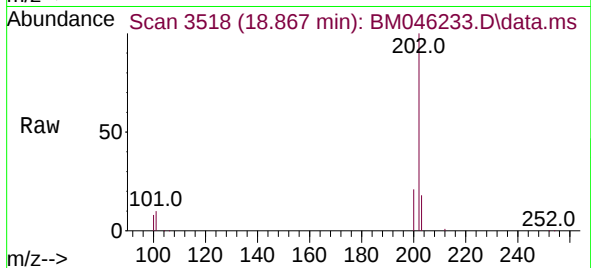
Lab File: BM046233.D

Acq: 23 Jun 2024 13:50

Instrument :

BNA\_M

ClientSampleId :



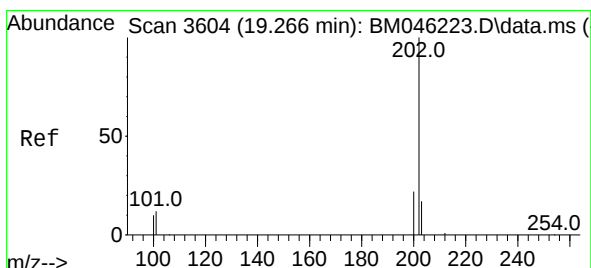
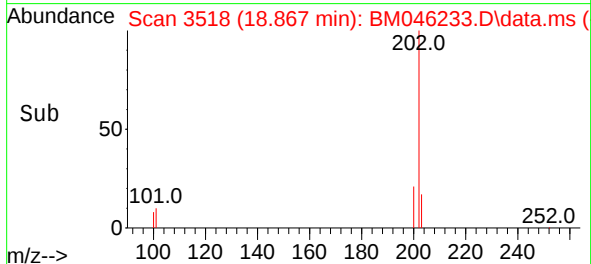
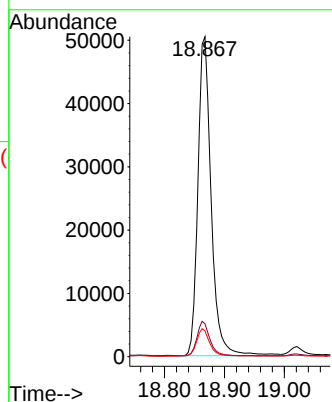
Tgt Ion:202 Resp: 77609

Ion Ratio Lower Upper

202 100

101 10.2 9.6 14.4

100 8.0 7.6 11.4



#20

Pyrene

Concen: 2.253 ng/ul

RT: 19.230 min Scan# 3596

Delta R.T. -0.045 min

Lab File: BM046233.D

Acq: 23 Jun 2024 13:50

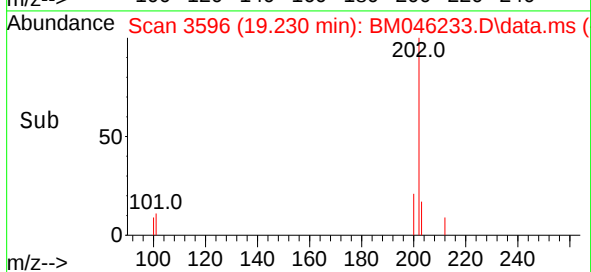
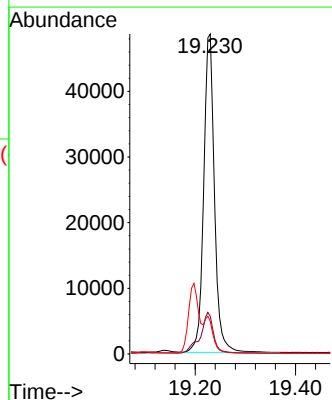
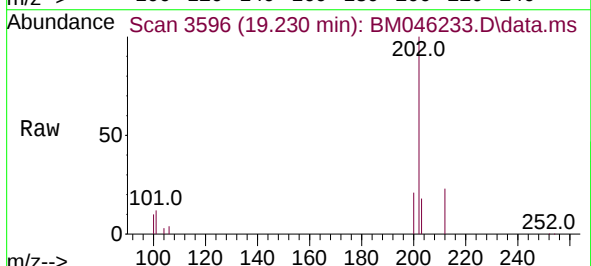
Tgt Ion:202 Resp: 72478

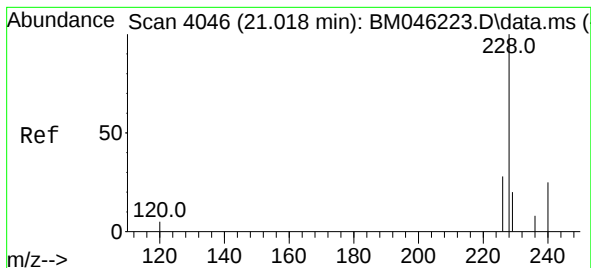
Ion Ratio Lower Upper

202 100

101 11.8 11.3 16.9

100 10.2 9.8 14.6





#21

Benzo(a)anthracene

Concen: 1.279 ng/ul

RT: 20.991 min Scan# 4037

Delta R.T. -0.038 min

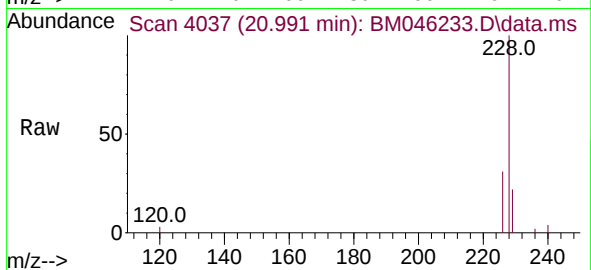
Lab File: BM046233.D

Acq: 23 Jun 2024 13:50

Instrument :

BNA\_M

ClientSampleId :



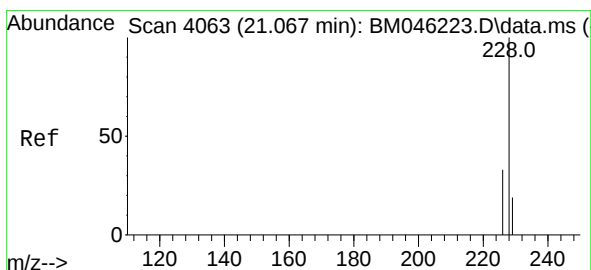
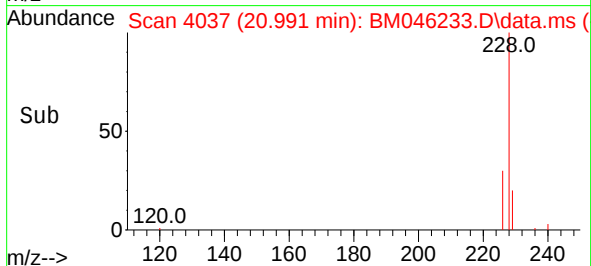
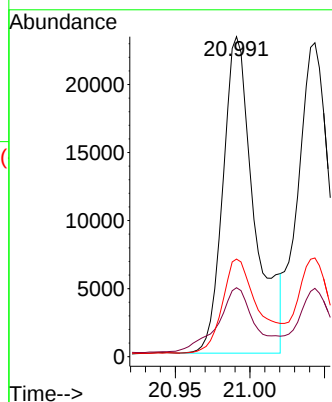
Tgt Ion:228 Resp: 33933

Ion Ratio Lower Upper

228 100

229 21.6 16.4 24.6

226 30.5 23.4 35.2



#22

Chrysene

Concen: 1.006 ng/ul

RT: 21.044 min Scan# 4055

Delta R.T. -0.032 min

Lab File: BM046233.D

Acq: 23 Jun 2024 13:50

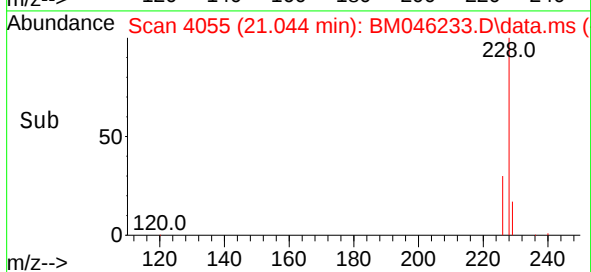
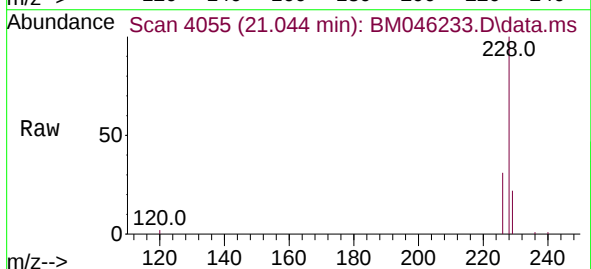
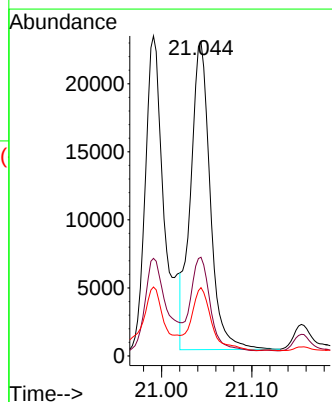
Tgt Ion:228 Resp: 34080

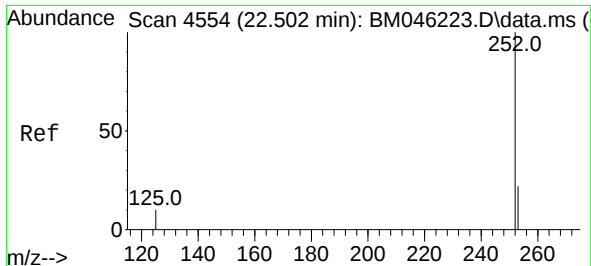
Ion Ratio Lower Upper

228 100

226 31.4 25.2 37.8

229 21.8 16.3 24.5

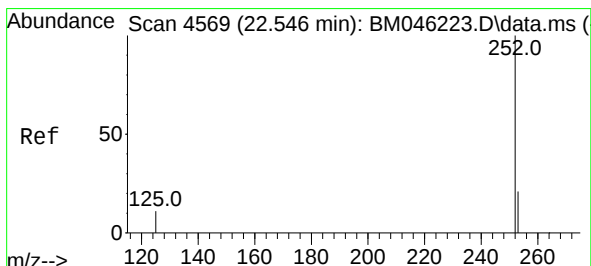
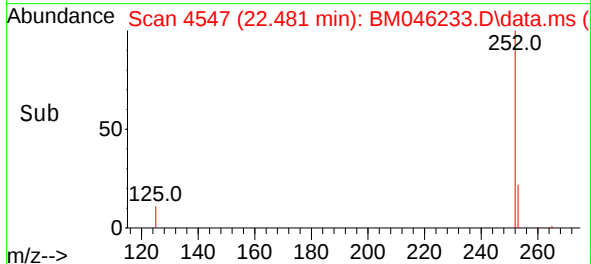
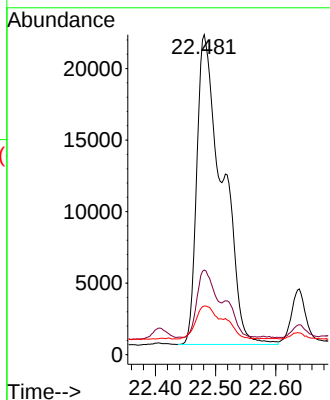
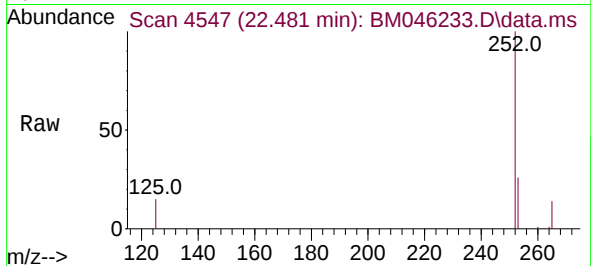




#24  
Benzo(b)fluoranthene  
Concen: 1.519 ng/ul  
RT: 22.481 min Scan# 4547  
Delta R.T. -0.038 min  
Lab File: BM046233.D  
Acq: 23 Jun 2024 13:50

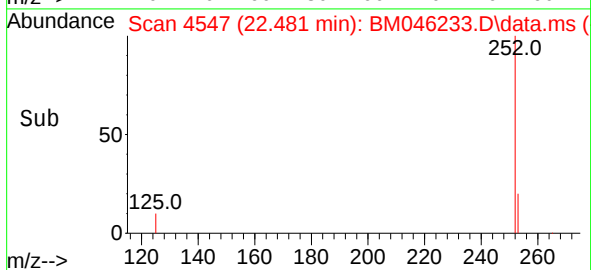
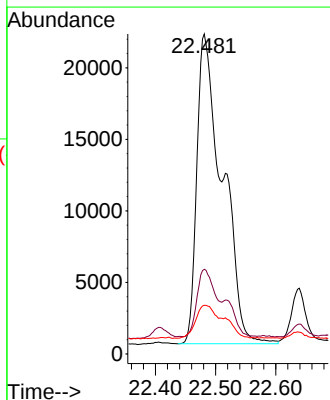
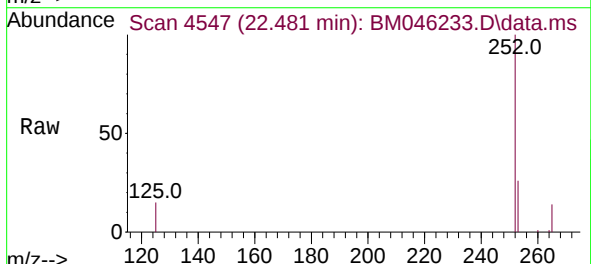
Instrument :  
BNA\_M  
ClientSampleId :

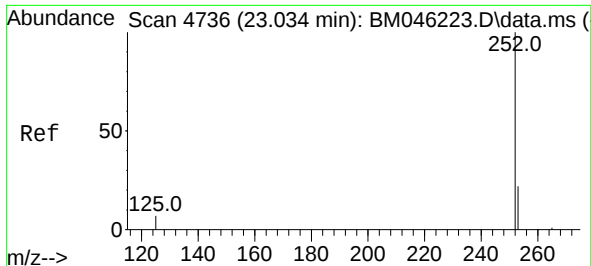
Tgt Ion:252 Resp: 63714  
Ion Ratio Lower Upper  
252 100  
253 26.5 0.0 65.8  
125 15.2 0.0 40.2



#25  
Benzo(k)fluoranthene  
Concen: 1.278 ng/ul  
RT: 22.481 min Scan# 4547  
Delta R.T. -0.082 min  
Lab File: BM046233.D  
Acq: 23 Jun 2024 13:50

Tgt Ion:252 Resp: 63714  
Ion Ratio Lower Upper  
252 100  
253 26.5 27.2 40.8#  
125 15.2 16.6 25.0#





#26

Benzo(a)pyrene

Concen: 0.824 ng/ul

RT: 23.004 min Scan# 41

Delta R.T. -0.050 min

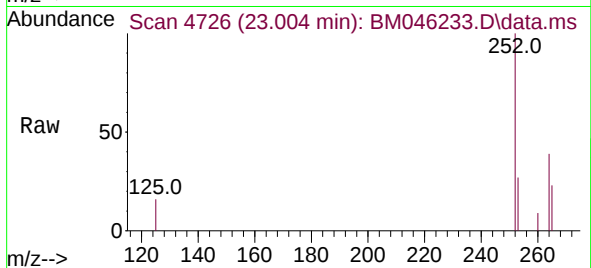
Lab File: BM046233.D

Acq: 23 Jun 2024 13:50

Instrument :

BNA\_M

ClientSampleId :



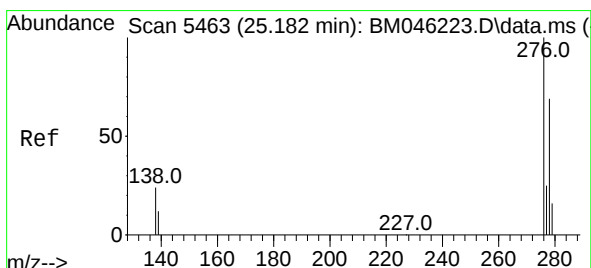
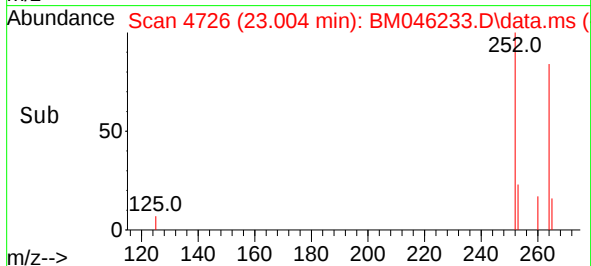
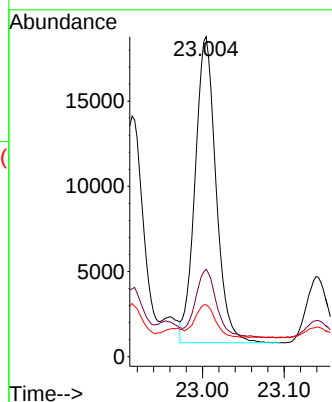
Tgt Ion:252 Resp: 32008

Ion Ratio Lower Upper

252 100

253 27.3 32.1 48.1#

125 16.2 21.2 31.8#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.382 ng/ul

RT: 25.142 min Scan# 5451

Delta R.T. -0.061 min

Lab File: BM046233.D

Acq: 23 Jun 2024 13:50

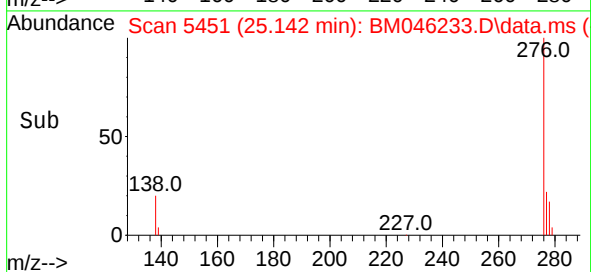
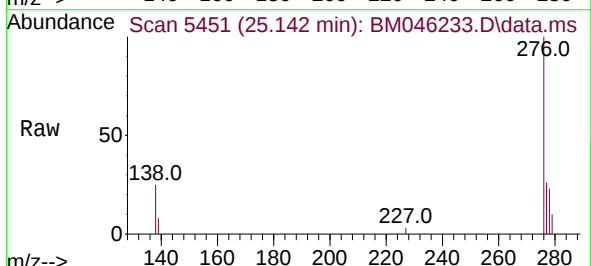
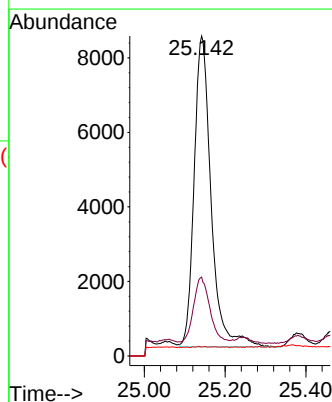
Tgt Ion:276 Resp: 24287

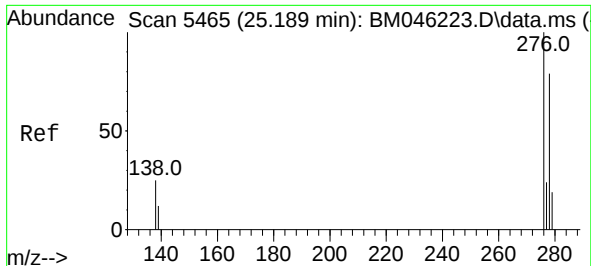
Ion Ratio Lower Upper

276 100

138 22.4 21.0 31.4

227 0.0 0.0 0.0





#28

Dibenzo(a,h)anthracene

Concen: 0.119 ng/ul

RT: 25.145 min Scan# 5465

Delta R.T. -0.071 min

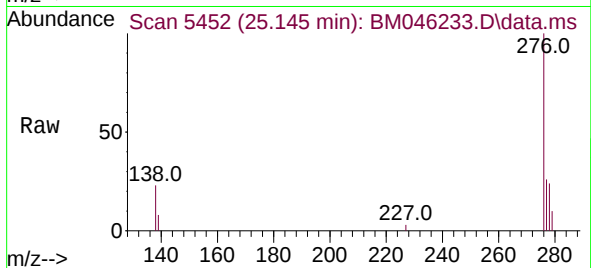
Lab File: BM046233.D

Acq: 23 Jun 2024 13:50

Instrument :

BNA\_M

ClientSampleId :



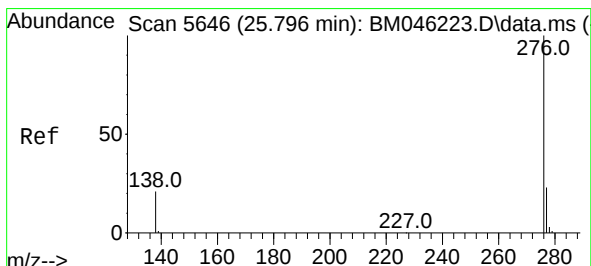
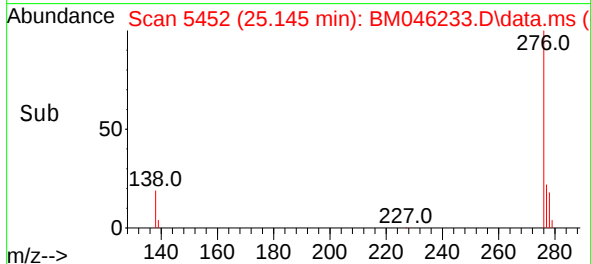
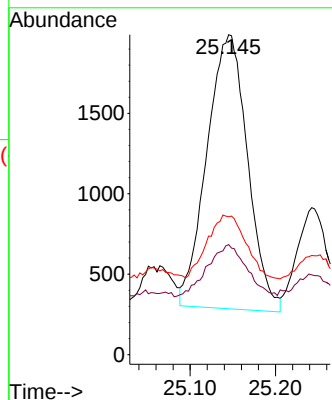
Tgt Ion:278 Resp: 5644

Ion Ratio Lower Upper

278 100

139 34.4 17.6 26.4#

279 43.1 26.3 39.5#



#29

Benzo(g,h,i)perylene

Concen: 0.442 ng/ul

RT: 25.765 min Scan# 5637

Delta R.T. -0.064 min

Lab File: BM046233.D

Acq: 23 Jun 2024 13:50

Tgt Ion:276 Resp: 24083

Ion Ratio Lower Upper

276 100

138 24.6 21.7 32.5

277 26.2 20.4 30.6

