

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072123\  
 Data File : BM041059.D  
 Acq On : 22 Jul 2023 18:11  
 Operator : MA/JU  
 Sample : 03504-06  
 Misc :  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Jul 22 22:37:32 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM071923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jul 22 22:33:48 2023  
 Response via : Initial Calibration

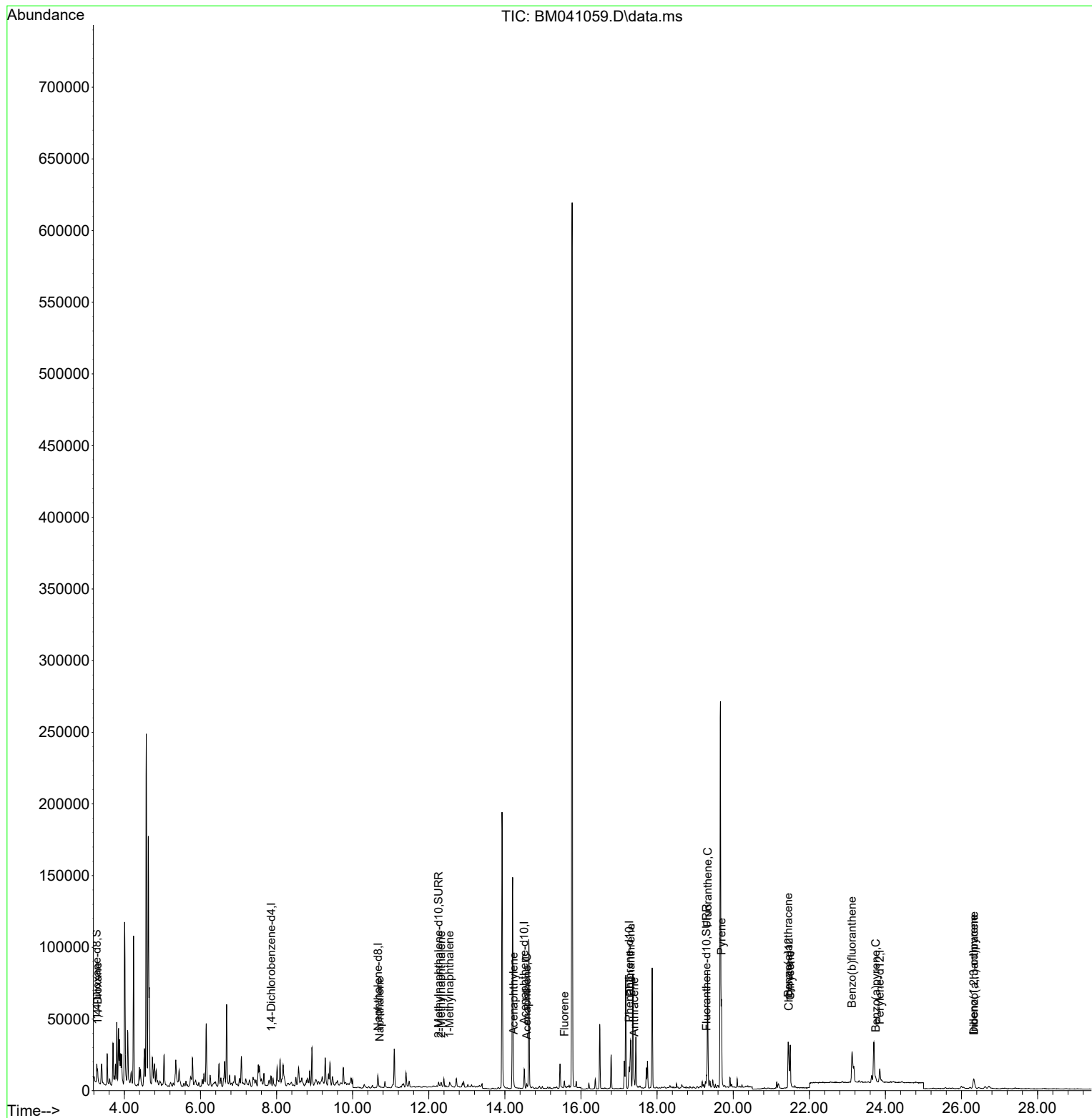
| Compound                    | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| -----                       |        |      |          |       |         |          |
| Internal Standards          |        |      |          |       |         |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.857  | 152  | 3676     | 0.400 | ng/ul   | 0.00     |
| 4) Naphthalene-d8           | 10.664 | 136  | 12806    | 0.400 | ng/ul # | 0.00     |
| 9) Acenaphthene-d10         | 14.509 | 164  | 7228     | 0.400 | ng/ul   | 0.00     |
| 13) Phenanthrene-d10        | 17.265 | 188  | 18346    | 0.400 | ng/ul   | 0.00     |
| 17) Chrysene-d12            | 21.460 | 240  | 13873    | 0.400 | ng/ul   | 0.00     |
| 23) Perylene-d12            | 23.851 | 264  | 12645    | 0.400 | ng/ul # | 0.00     |
| System Monitoring Compounds |        |      |          |       |         |          |
| 3) 1,4-Dioxane-d8           | 3.275  | 96   | 7439     | 1.231 | ng/ul   | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.258 | 152  | 4609     | 0.270 | ng/ul   | 0.00     |
| 18) Fluoranthene-d10        | 19.296 | 212  | 9909     | 0.170 | ng/ul   | 0.00     |
| Target Compounds            |        |      |          |       |         |          |
|                             |        |      |          |       | Qvalue  |          |
| 2) 1,4-Dioxane              | 3.296  | 88   | 1689     | 0.266 | ng/ul#  | 1        |
| 5) Naphthalene              | 10.713 | 128  | 1734     | 0.050 | ng/ul#  | 71       |
| 7) 2-Methylnaphthalene      | 12.330 | 142  | 1805     | 0.094 | ng/ul   | 90       |
| 8) 1-Methylnaphthalene      | 12.550 | 142  | 1865     | 0.091 | ng/ul   | 96       |
| 10) Acenaphthylene          | 14.231 | 152  | 1843     | 0.061 | ng/ul#  | 66       |
| 11) Acenaphthene            | 14.573 | 153  | 2136     | 0.080 | ng/ul   | 95       |
| 12) Fluorene                | 15.563 | 166  | 2996     | 0.108 | ng/ul#  | 97       |
| 15) Phenanthrene            | 17.307 | 178  | 33926    | 0.619 | ng/ul   | 99       |
| 16) Anthracene              | 17.400 | 178  | 2764     | 0.065 | ng/ul#  | 87       |
| 19) Fluoranthene            | 19.329 | 202  | 70801    | 0.988 | ng/ul#  | 93       |
| 20) Pyrene                  | 19.692 | 202  | 49679    | 0.679 | ng/ul#  | 93       |
| 21) Benzo(a)anthracene      | 21.445 | 228  | 26158    | 0.619 | ng/ul   | 98       |
| 22) Chrysene                | 21.498 | 228  | 31448    | 0.651 | ng/ul   | 98       |
| 24) Benzo(b)fluoranthene    | 23.123 | 252  | 38655    | 0.796 | ng/ul   | 92       |
| 26) Benzo(a)pyrene          | 23.743 | 252  | 3976     | 0.095 | ng/ul#  | 62       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.320 | 276  | 11655    | 0.210 | ng/ul#  | 84       |
| 28) Dibenzo(a,h)anthracene  | 26.327 | 278  | 4058     | 0.096 | ng/ul#  | 77       |
| -----                       |        |      |          |       |         |          |

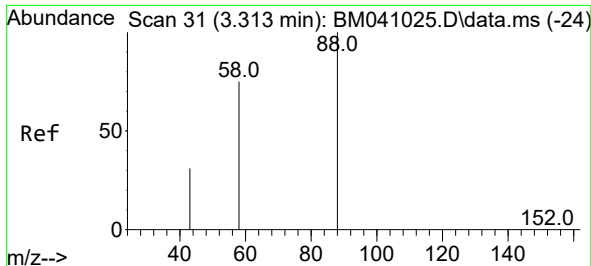
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072123\  
Data File : BM041059.D  
Acq On : 22 Jul 2023 18:11  
Operator : MA/JU  
Sample : 03504-06  
Misc :  
ALS Vial : 50 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

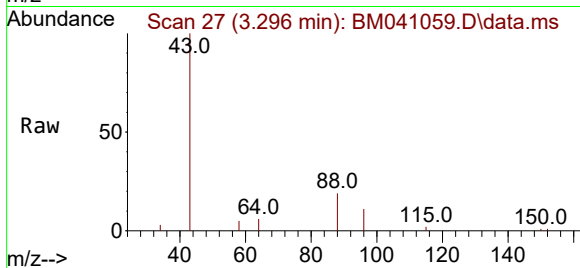
Quant Time: Jul 22 22:37:32 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM071923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Jul 22 22:33:48 2023  
Response via : Initial Calibration



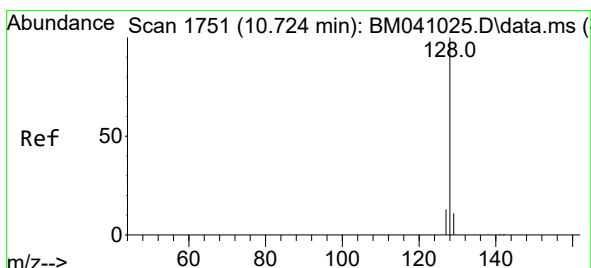
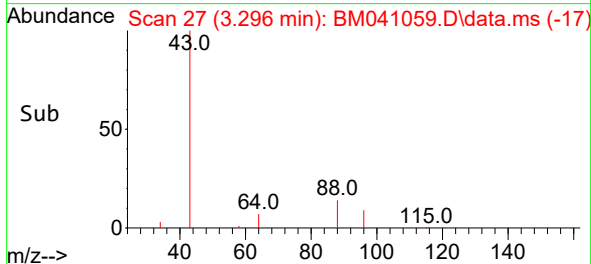
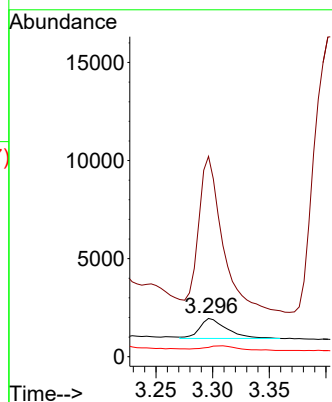


#2  
1,4-Dioxane  
Concen: 0.266 ng/ul  
RT: 3.296 min Scan# 21  
Delta R.T. -0.017 min  
Lab File: BM041059.D  
Acq: 22 Jul 2023 18:11

Instrument :  
BNA\_M  
ClientSampleId :

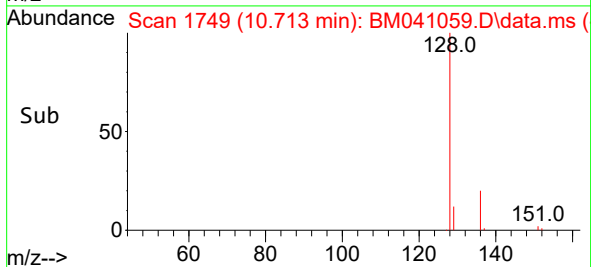
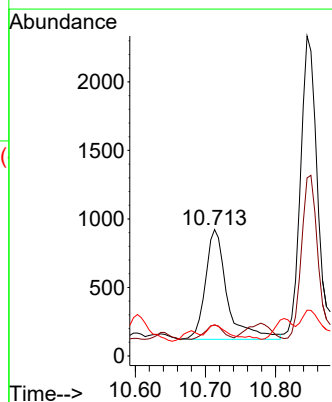
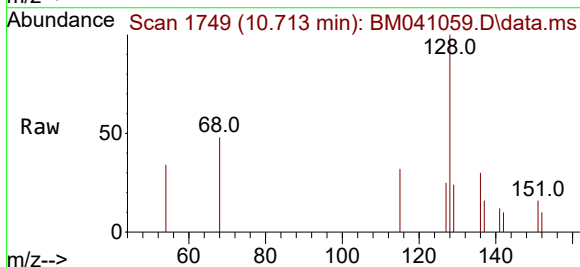


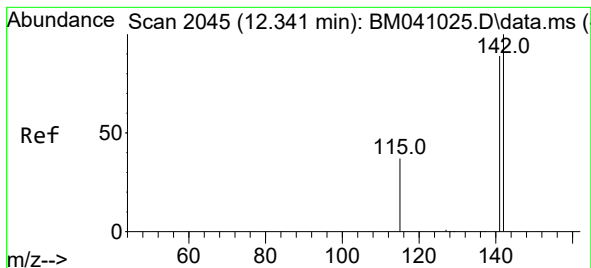
Tgt Ion: 88 Resp: 1689  
Ion Ratio Lower Upper  
88 100  
43 523.4 46.7 70.1#  
58 24.4 40.3 60.5#



#5  
Naphthalene  
Concen: 0.050 ng/ul  
RT: 10.713 min Scan# 1749  
Delta R.T. -0.005 min  
Lab File: BM041059.D  
Acq: 22 Jul 2023 18:11

Tgt Ion: 128 Resp: 1734  
Ion Ratio Lower Upper  
128 100  
129 24.4 9.8 14.8#  
127 24.7 11.0 16.4#

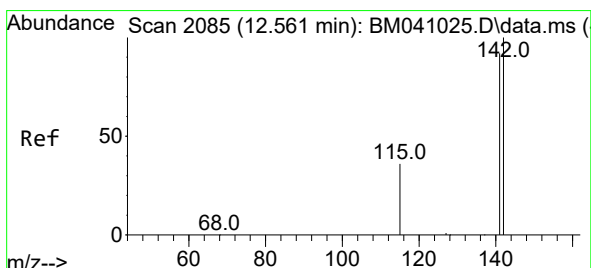
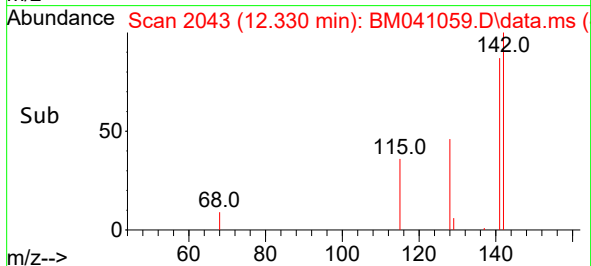
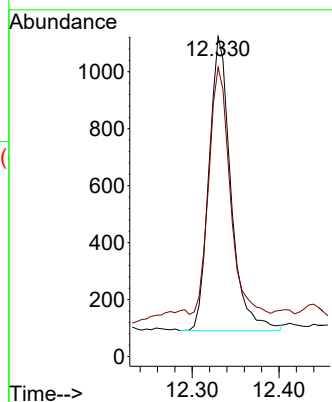
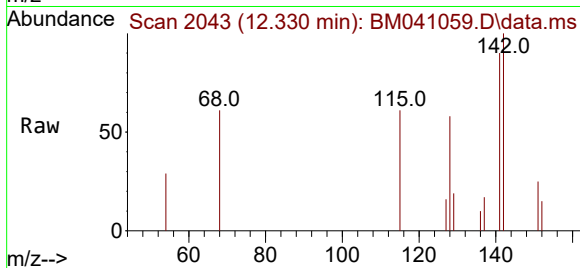




#7  
2-Methylnaphthalene  
Concen: 0.094 ng/ul  
RT: 12.330 min Scan# 2043  
Delta R.T. -0.005 min  
Lab File: BM041059.D  
Acq: 22 Jul 2023 18:11

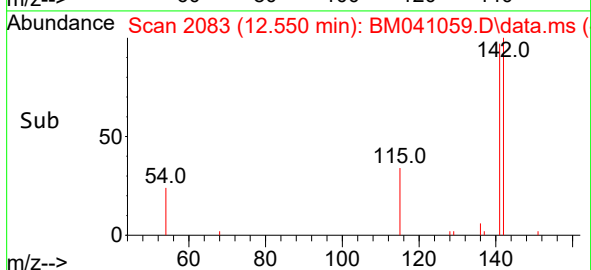
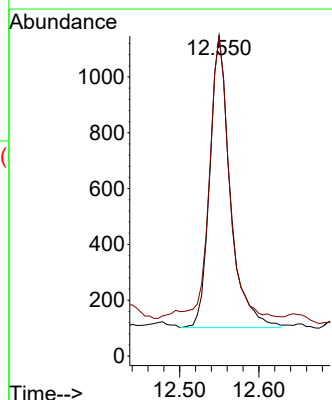
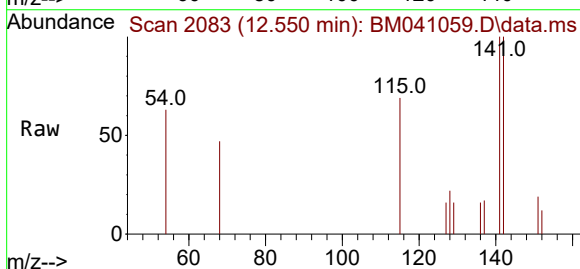
Instrument :  
BNA\_M  
ClientSampleId :

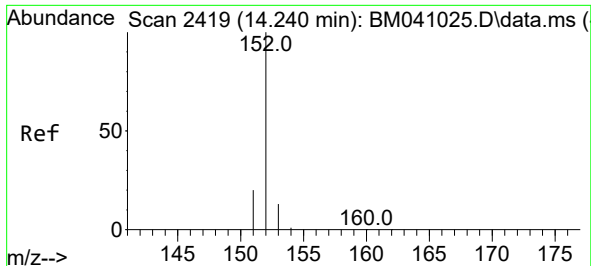
Tgt Ion:142 Resp: 1805  
Ion Ratio Lower Upper  
142 100  
141 82.1 73.2 109.8



#8  
1-Methylnaphthalene  
Concen: 0.091 ng/ul  
RT: 12.550 min Scan# 2083  
Delta R.T. -0.005 min  
Lab File: BM041059.D  
Acq: 22 Jul 2023 18:11

Tgt Ion:142 Resp: 1865  
Ion Ratio Lower Upper  
142 100  
141 95.4 73.4 110.2

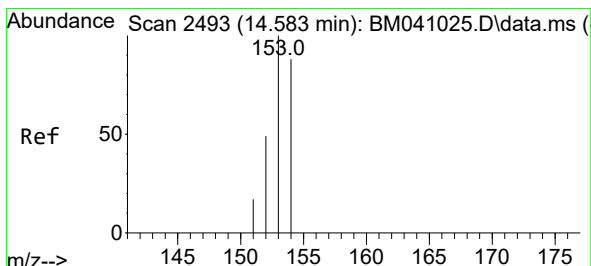
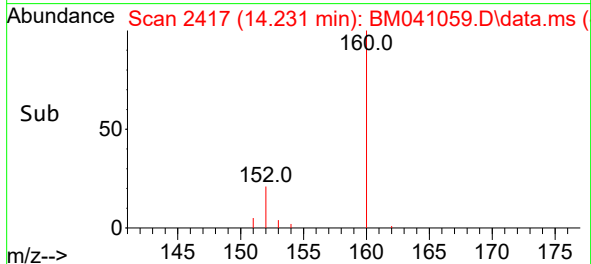
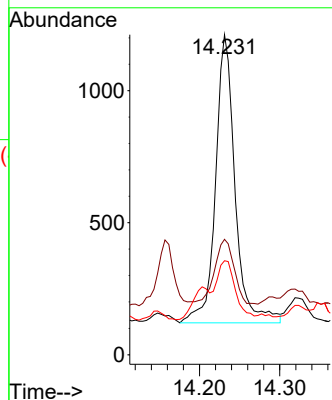
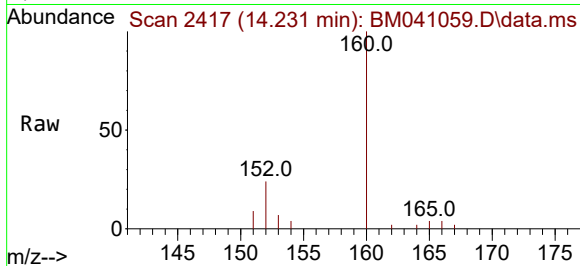




#10  
Acenaphthylene  
Concen: 0.061 ng/ul  
RT: 14.231 min Scan# 2417  
Delta R.T. -0.005 min  
Lab File: BM041059.D  
Acq: 22 Jul 2023 18:11

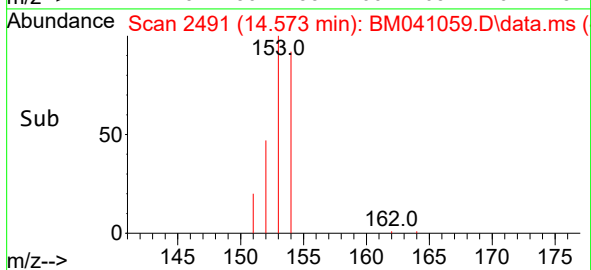
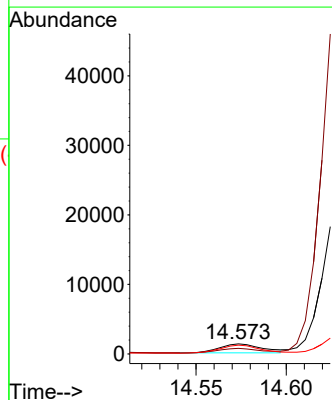
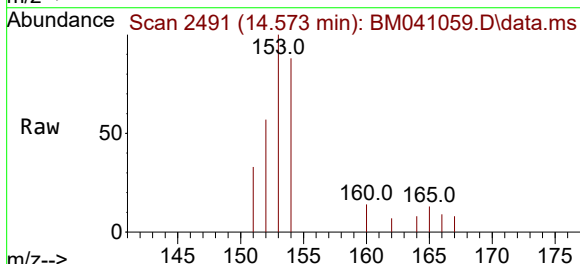
Instrument :  
BNA\_M  
ClientSampleId :

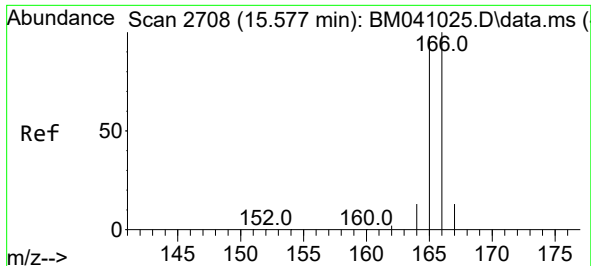
Tgt Ion:152 Resp: 1843  
Ion Ratio Lower Upper  
152 100  
151 36.1 16.8 25.2#  
153 29.4 11.6 17.4#



#11  
Acenaphthene  
Concen: 0.080 ng/ul  
RT: 14.573 min Scan# 2491  
Delta R.T. 0.000 min  
Lab File: BM041059.D  
Acq: 22 Jul 2023 18:11

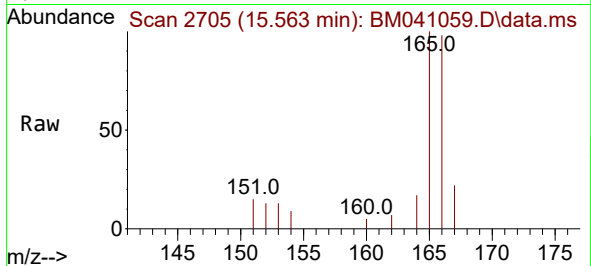
Tgt Ion:153 Resp: 2136  
Ion Ratio Lower Upper  
153 100  
152 56.6 41.0 61.6  
154 88.3 68.2 102.2



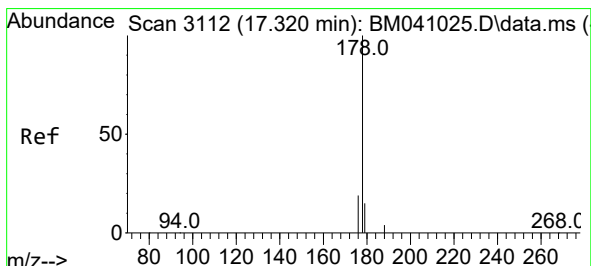
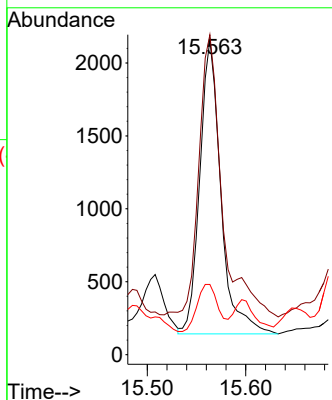
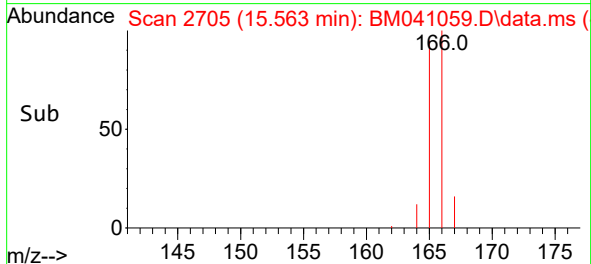


#12  
Fluorene  
Concen: 0.108 ng/ul  
RT: 15.563 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BM041059.D  
Acq: 22 Jul 2023 18:11

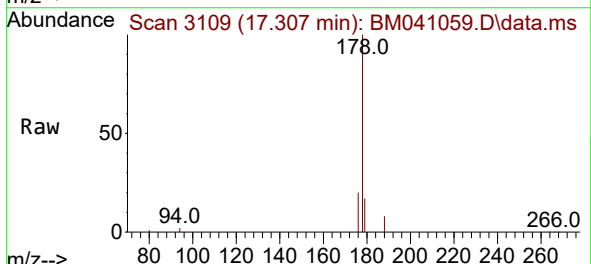
Instrument :  
BNA\_M  
ClientSampleId :



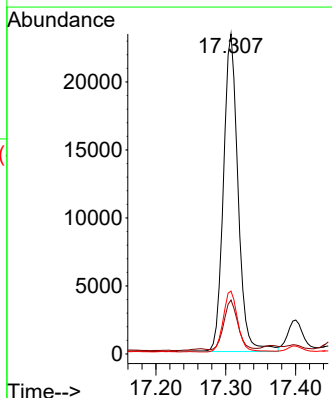
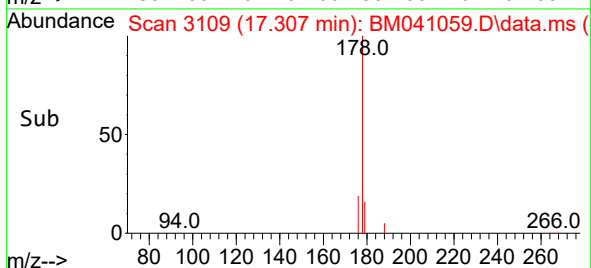
Tgt Ion:166 Resp: 2996  
Ion Ratio Lower Upper  
166 100  
165 101.6 80.3 120.5  
167 22.3 11.7 17.5#

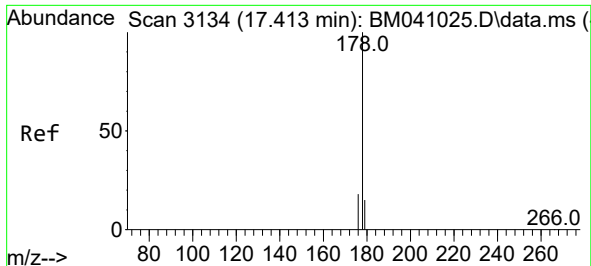


#15  
Phenanthrene  
Concen: 0.619 ng/ul  
RT: 17.307 min Scan# 3109  
Delta R.T. -0.008 min  
Lab File: BM041059.D  
Acq: 22 Jul 2023 18:11



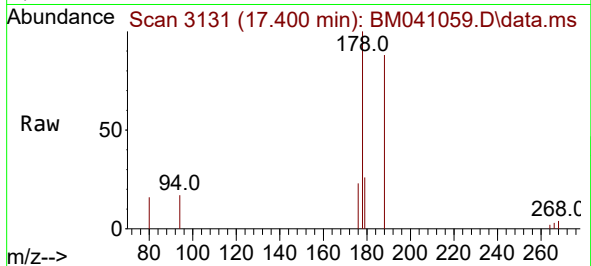
Tgt Ion:178 Resp: 33926  
Ion Ratio Lower Upper  
178 100  
179 16.9 13.0 19.6  
176 19.6 16.2 24.4



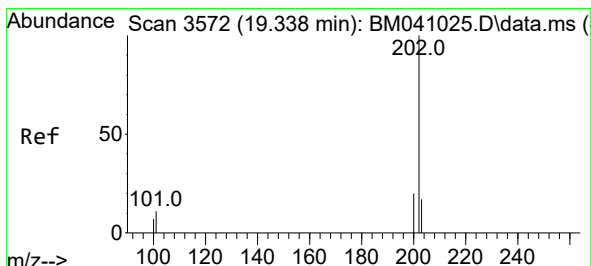
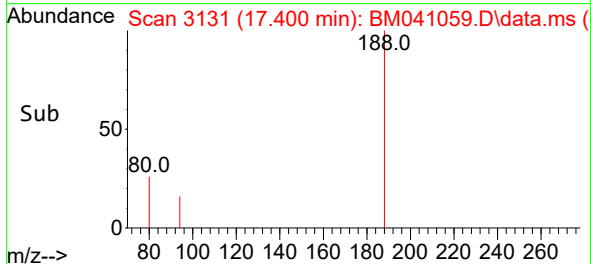
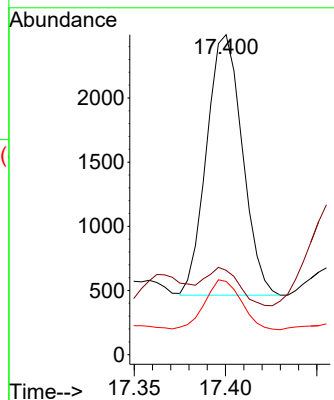


#16  
 Anthracene  
 Concen: 0.065 ng/ul  
 RT: 17.400 min Scan# 3134  
 Delta R.T. -0.008 min  
 Lab File: BM041059.D  
 Acq: 22 Jul 2023 18:11

Instrument :  
 BNA\_M  
 ClientSampleId :

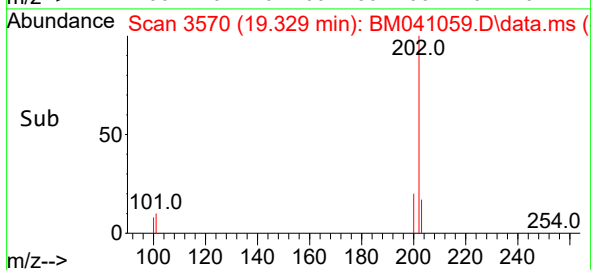
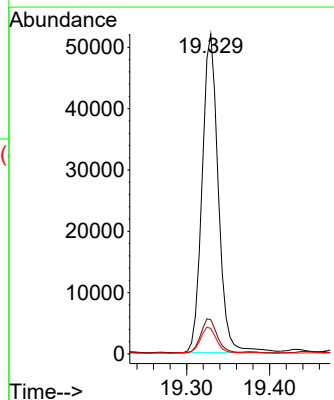
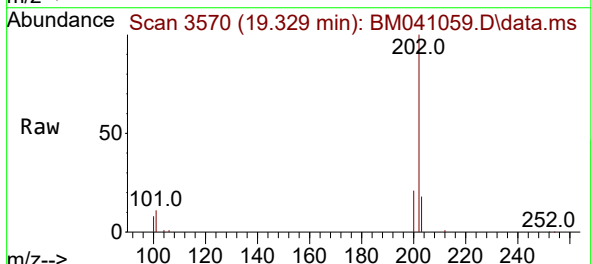


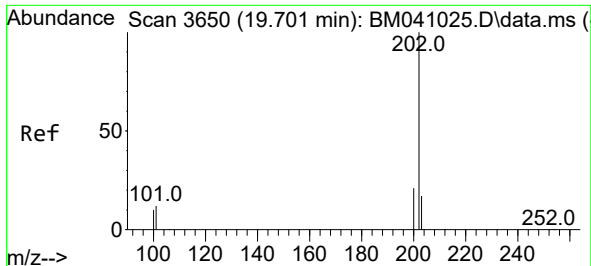
Tgt Ion:178 Resp: 2764  
 Ion Ratio Lower Upper  
 178 100  
 179 26.4 13.7 20.5#  
 176 22.9 16.4 24.6



#19  
 Fluoranthene  
 Concen: 0.988 ng/ul  
 RT: 19.329 min Scan# 3570  
 Delta R.T. -0.005 min  
 Lab File: BM041059.D  
 Acq: 22 Jul 2023 18:11

Tgt Ion:202 Resp: 70801  
 Ion Ratio Lower Upper  
 202 100  
 101 10.7 11.0 16.4#  
 100 7.9 8.3 12.5#

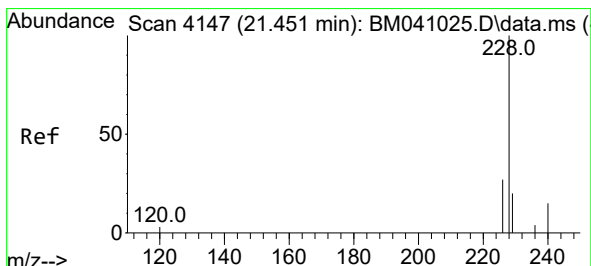
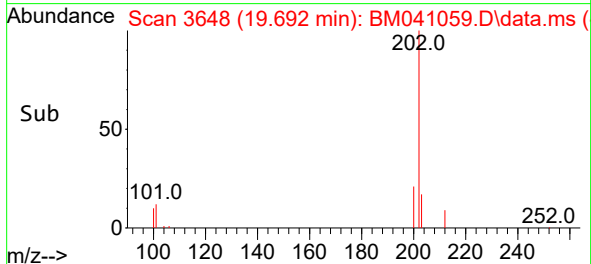
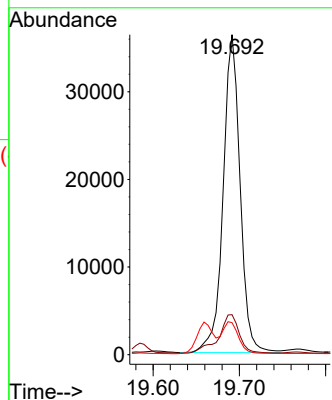
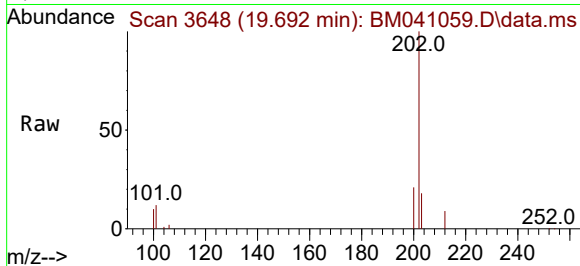




#20  
Pyrene  
Concen: 0.679 ng/ul  
RT: 19.692 min Scan# 3648  
Delta R.T. -0.005 min  
Lab File: BM041059.D  
Acq: 22 Jul 2023 18:11

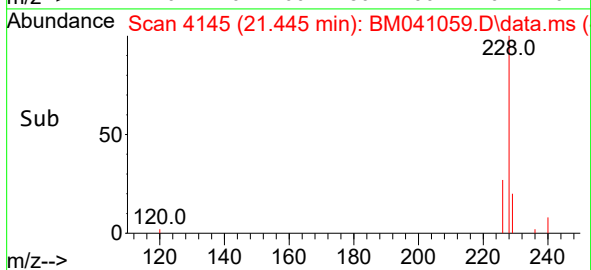
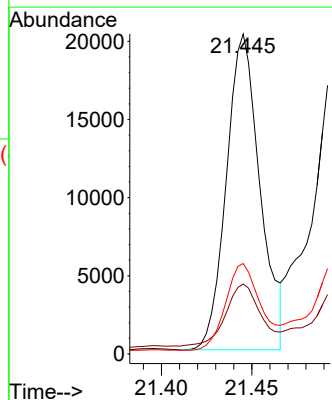
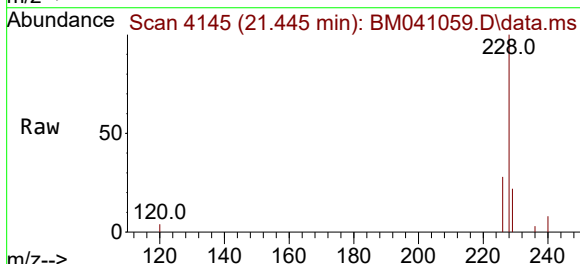
Instrument :  
BNA\_M  
ClientSampleId :

Tgt Ion:202 Resp: 49679  
Ion Ratio Lower Upper  
202 100  
101 12.5 12.5 18.7  
100 10.0 10.0 15.0#

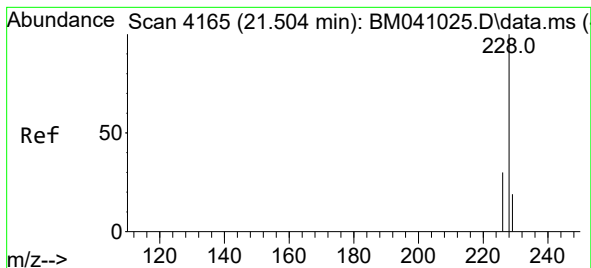


#21  
Benzo(a)anthracene  
Concen: 0.619 ng/ul  
RT: 21.445 min Scan# 4145  
Delta R.T. -0.003 min  
Lab File: BM041059.D  
Acq: 22 Jul 2023 18:11

Tgt Ion:228 Resp: 26158  
Ion Ratio Lower Upper  
228 100  
229 21.8 16.2 24.4  
226 28.2 22.3 33.5







#22

Chrysene

Concen: 0.651 ng/ul

RT: 21.498 min Scan# 41

Delta R.T. -0.003 min

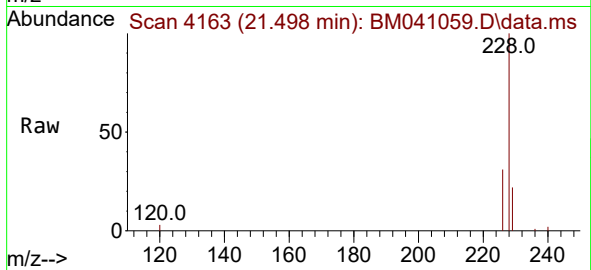
Lab File: BM041059.D

Acq: 22 Jul 2023 18:11

Instrument :

BNA\_M

ClientSampleId :



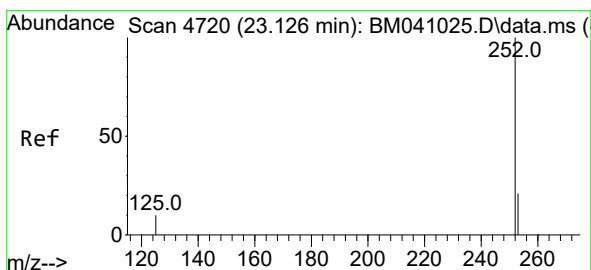
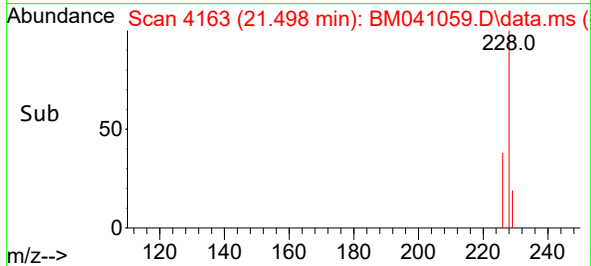
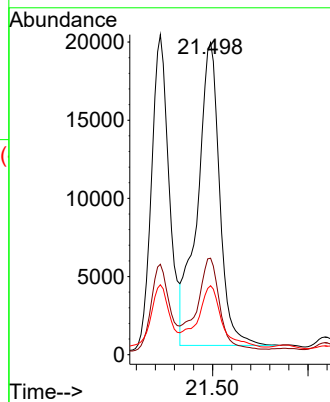
Tgt Ion:228 Resp: 31448

Ion Ratio Lower Upper

228 100

226 30.9 24.6 37.0

229 22.1 16.1 24.1



#24

Benzo(b)fluoranthene

Concen: 0.796 ng/ul

RT: 23.123 min Scan# 4719

Delta R.T. -0.003 min

Lab File: BM041059.D

Acq: 22 Jul 2023 18:11

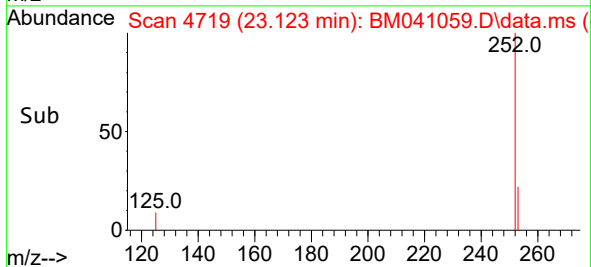
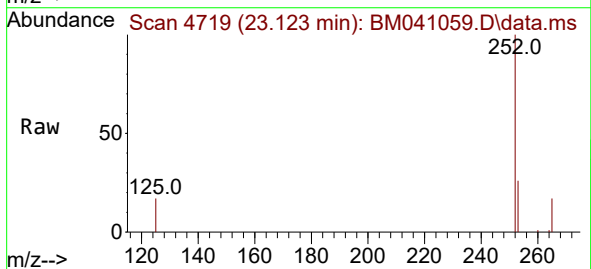
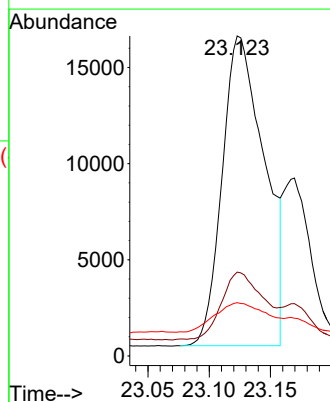
Tgt Ion:252 Resp: 38655

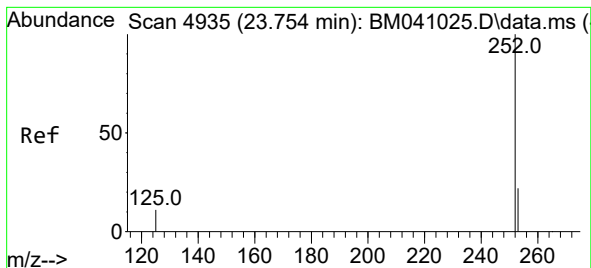
Ion Ratio Lower Upper

252 100

253 26.2 0.0 57.4

125 16.7 0.0 45.2





#26

Benzo(a)pyrene

Concen: 0.095 ng/ul

RT: 23.743 min Scan# 4935

Delta R.T. -0.006 min

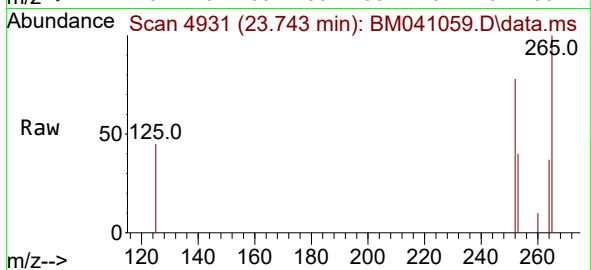
Lab File: BM041059.D

Acq: 22 Jul 2023 18:11

Instrument :

BNA\_M

ClientSampleId :



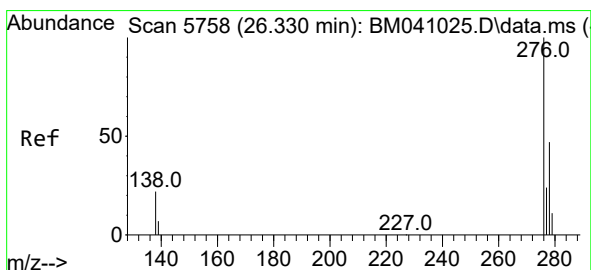
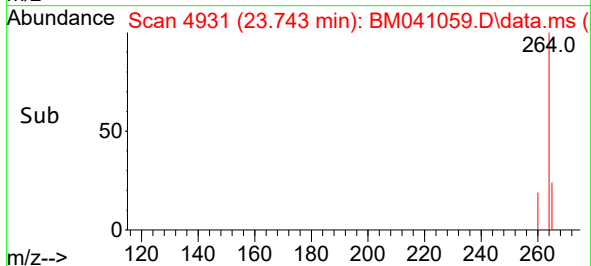
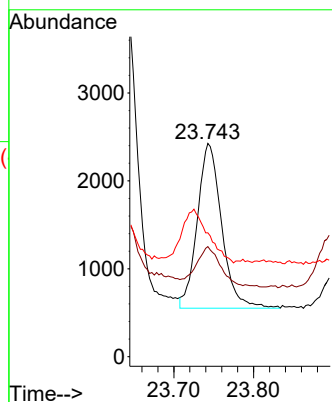
Tgt Ion:252 Resp: 3976

Ion Ratio Lower Upper

252 100

253 51.6 28.2 42.2#

125 58.0 25.2 37.8#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.210 ng/ul

RT: 26.320 min Scan# 5755

Delta R.T. -0.007 min

Lab File: BM041059.D

Acq: 22 Jul 2023 18:11

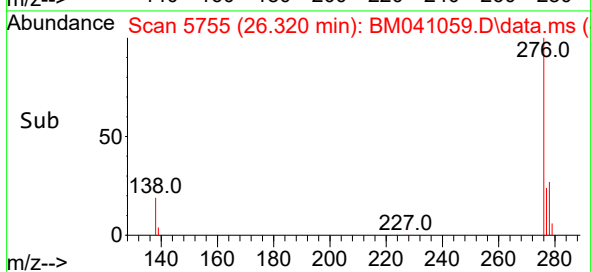
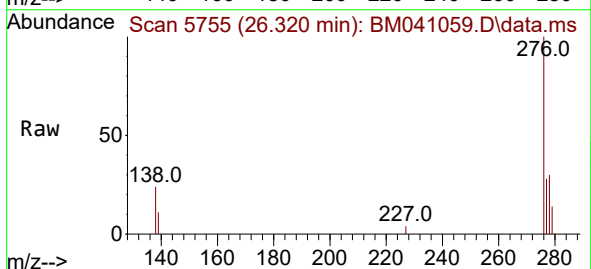
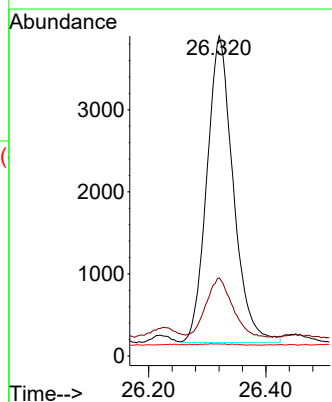
Tgt Ion:276 Resp: 11655

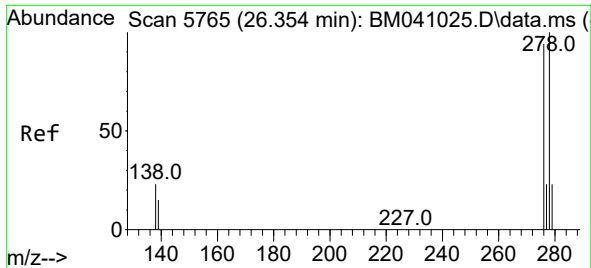
Ion Ratio Lower Upper

276 100

138 19.6 22.3 33.5#

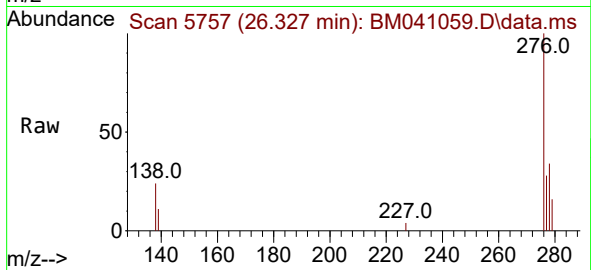
227 0.4 0.0 0.0#





#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.096 ng/ul  
 RT: 26.327 min Scan# 51  
 Delta R.T. -0.020 min  
 Lab File: BM041059.D  
 Acq: 22 Jul 2023 18:11

Instrument :  
 BNA\_M  
 ClientSampleId :



Tgt Ion:278 Resp: 4058  
 Ion Ratio Lower Upper  
 278 100  
 139 34.2 19.2 28.8#  
 279 47.9 27.0 40.6#

