

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM091323\  
 Data File : BM041864.D  
 Acq On : 14 Sep 2023 13:10  
 Operator : MA/JU  
 Sample : 04175-14  
 Misc :  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EZYC9

Quant Time: Sep 15 00:29:04 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM091323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 13 16:15:23 2023  
 Response via : Initial Calibration

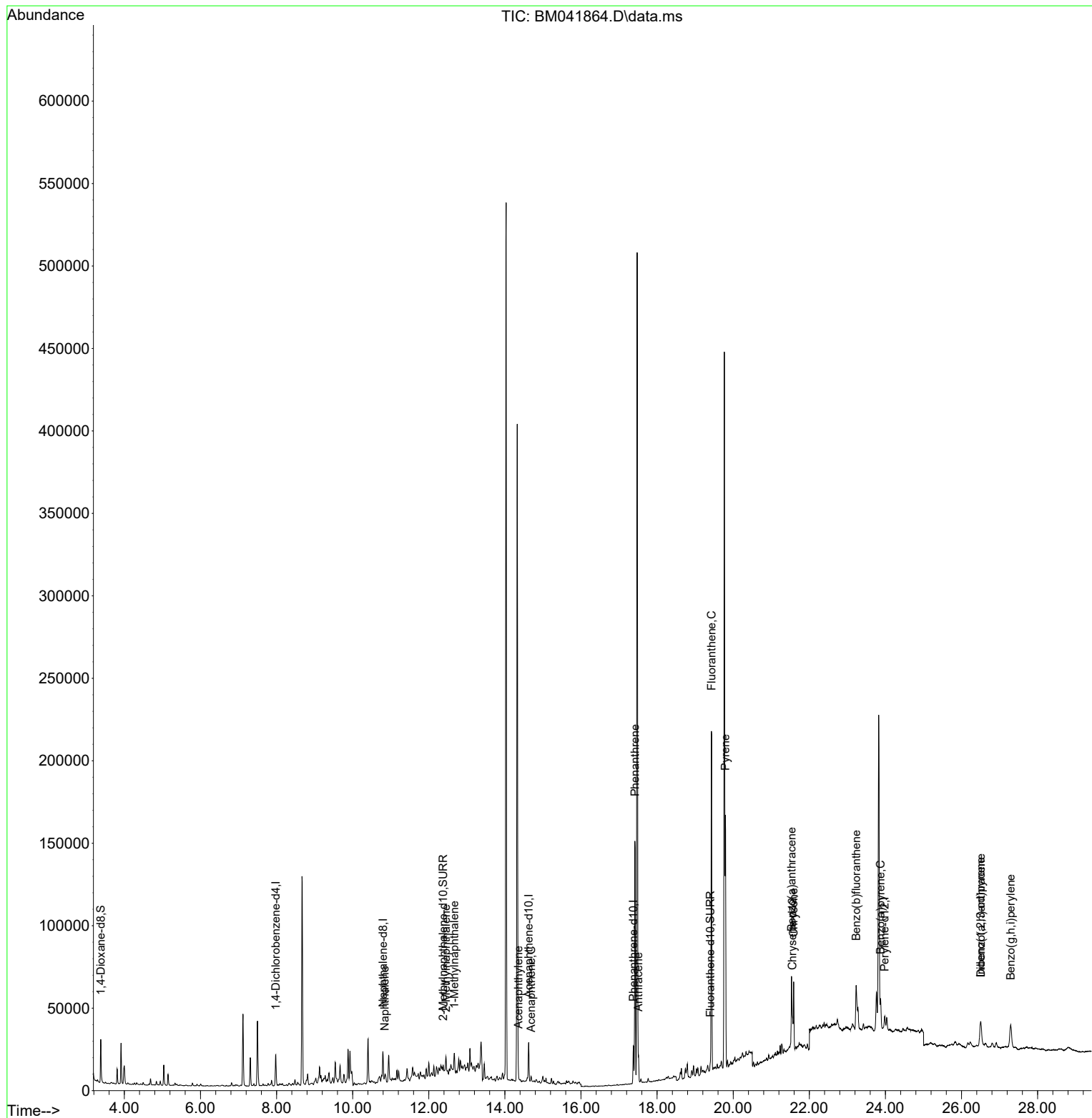
| Compound                    | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| -----                       |        |      |          |       |         |          |
| Internal Standards          |        |      |          |       |         |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.979  | 152  | 9101     | 0.400 | ng/ul   | 0.00     |
| 4) Naphthalene-d8           | 10.796 | 136  | 24151    | 0.400 | ng/ul # | 0.00     |
| 9) Acenaphthene-d10         | 14.624 | 164  | 12553    | 0.400 | ng/ul   | 0.00     |
| 13) Phenanthrene-d10        | 17.379 | 188  | 24944    | 0.400 | ng/ul   | 0.01     |
| 17) Chrysene-d12            | 21.551 | 240  | 9187     | 0.400 | ng/ul # | 0.01     |
| 23) Perylene-d12            | 23.983 | 264  | 10248    | 0.400 | ng/ul # | 0.03     |
| System Monitoring Compounds |        |      |          |       |         |          |
| 3) 1,4-Dioxane-d8           | 3.381  | 96   | 15738    | 1.360 | ng/ul   | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.379 | 152  | 4723     | 0.144 | ng/ul   | 0.01     |
| 18) Fluoranthene-d10        | 19.399 | 212  | 4724     | 0.150 | ng/ul   | 0.00     |
| Target Compounds            |        |      |          |       |         |          |
|                             |        |      |          |       | Qvalue  |          |
| 5) Naphthalene              | 10.845 | 128  | 4343     | 0.053 | ng/ul#  | 80       |
| 7) 2-Methylnaphthalene      | 12.451 | 142  | 6828     | 0.140 | ng/ul   | 95       |
| 8) 1-Methylnaphthalene      | 12.671 | 142  | 6793     | 0.136 | ng/ul   | 100      |
| 10) Acenaphthylene          | 14.356 | 152  | 4929     | 0.063 | ng/ul#  | 39       |
| 11) Acenaphthene            | 14.689 | 153  | 2324     | 0.039 | ng/ul#  | 77       |
| 15) Phenanthrene            | 17.417 | 178  | 153094   | 1.406 | ng/ul   | 100      |
| 16) Anthracene              | 17.510 | 178  | 16189    | 0.171 | ng/ul#  | 92       |
| 19) Fluoranthene            | 19.431 | 202  | 168181   | 2.364 | ng/ul   | 97       |
| 20) Pyrene                  | 19.794 | 202  | 118600   | 1.592 | ng/ul   | 98       |
| 21) Benzo(a)anthracene      | 21.533 | 228  | 36713    | 0.606 | ng/ul#  | 77       |
| 22) Chrysene                | 21.589 | 228  | 43665    | 0.704 | ng/ul#  | 78       |
| 24) Benzo(b)fluoranthene    | 23.231 | 252  | 49696    | 0.682 | ng/ul#  | 33       |
| 26) Benzo(a)pyrene          | 23.871 | 252  | 26003    | 0.468 | ng/ul#  | 1        |
| 27) Indeno(1,2,3-cd)pyrene  | 26.502 | 276  | 26169    | 0.306 | ng/ul#  | 94       |
| 28) Dibenzo(a,h)anthracene  | 26.508 | 278  | 7534     | 0.119 | ng/ul#  | 1        |
| 29) Benzo(g,h,i)perylene    | 27.293 | 276  | 30081    | 0.416 | ng/ul#  | 55       |
| -----                       |        |      |          |       |         |          |

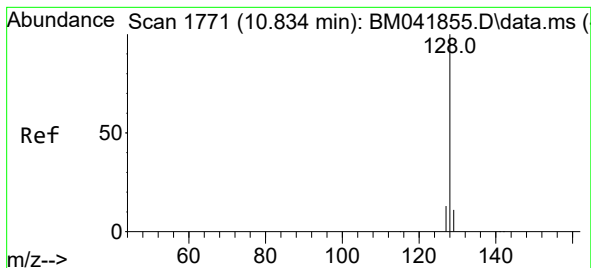
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM091323\  
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Sample : 04175-14  
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Quant Time: Sep 15 00:29:04 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM091323.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 13 16:15:23 2023  
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.053 ng/ul

RT: 10.845 min Scan# 1

Delta R.T. 0.006 min

Lab File: BM041864.D

Acq: 14 Sep 2023 13:10

Instrument :

BNA\_M

ClientSampleId :

EZYC9

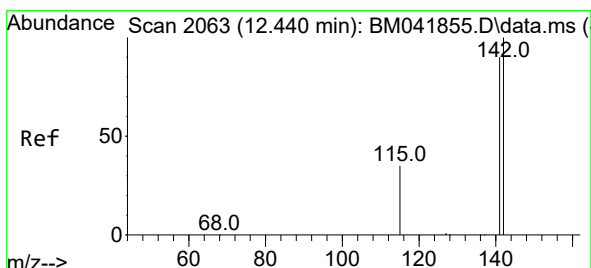
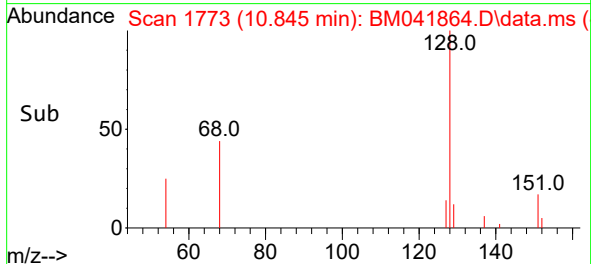
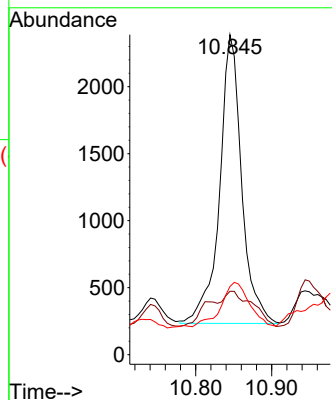
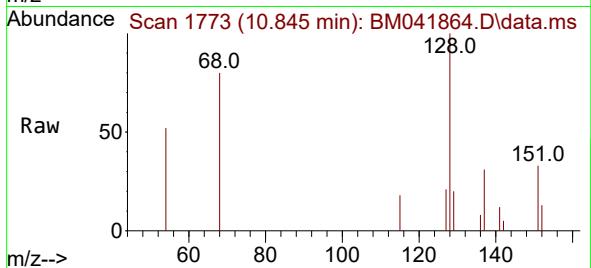
Tgt Ion:128 Resp: 4343

Ion Ratio Lower Upper

128 100

129 19.8 9.5 14.3#

127 21.3 10.7 16.1#



#7

2-Methylnaphthalene

Concen: 0.140 ng/ul

RT: 12.451 min Scan# 2065

Delta R.T. 0.006 min

Lab File: BM041864.D

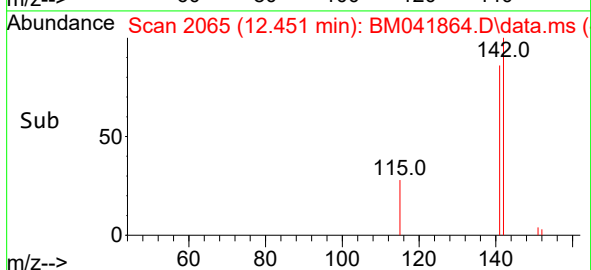
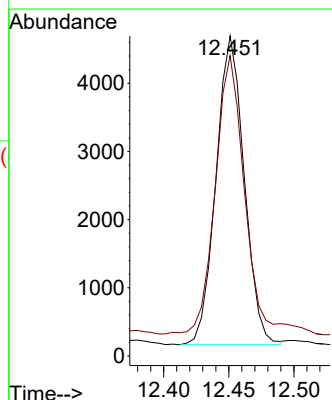
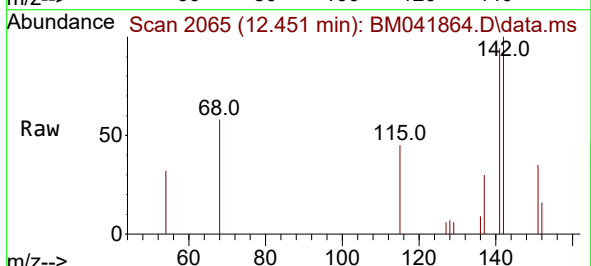
Acq: 14 Sep 2023 13:10

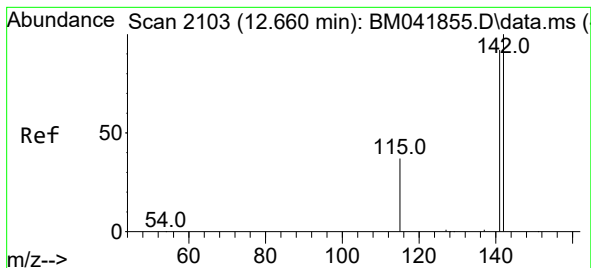
Tgt Ion:142 Resp: 6828

Ion Ratio Lower Upper

142 100

141 94.6 72.1 108.1





#8

1-Methylnaphthalene

Concen: 0.136 ng/ul

RT: 12.671 min Scan# 2105

Delta R.T. 0.006 min

Lab File: BM041864.D

Acq: 14 Sep 2023 13:10

Instrument :

BNA\_M

ClientSampleId :

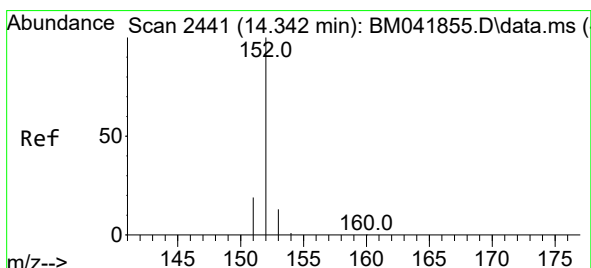
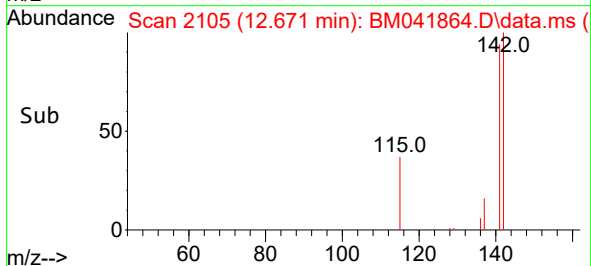
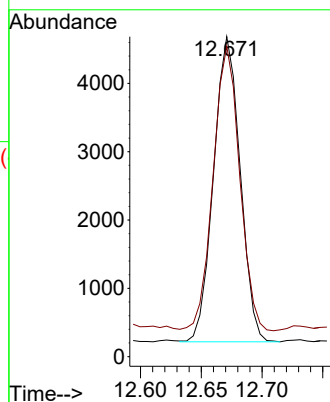
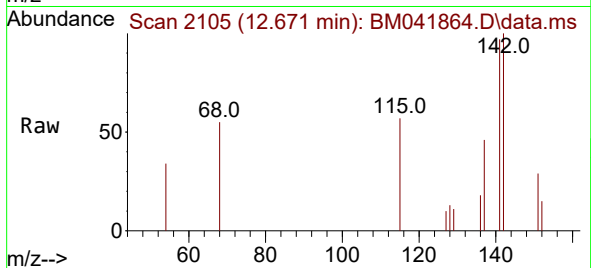
EZYC9

Tgt Ion:142 Resp: 6793

Ion Ratio Lower Upper

142 100

141 93.0 74.3 111.5



#10

Acenaphthylene

Concen: 0.063 ng/ul

RT: 14.356 min Scan# 2444

Delta R.T. 0.014 min

Lab File: BM041864.D

Acq: 14 Sep 2023 13:10

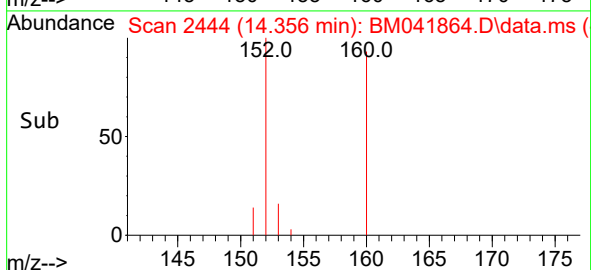
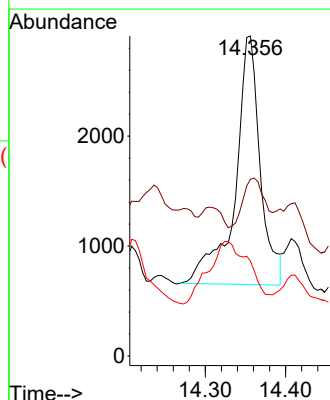
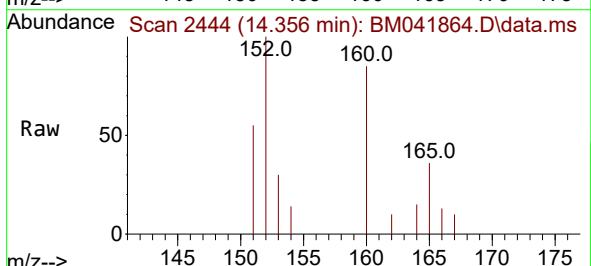
Tgt Ion:152 Resp: 4929

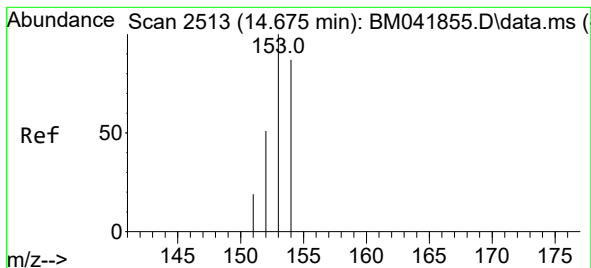
Ion Ratio Lower Upper

152 100

151 55.2 16.3 24.5#

153 29.6 10.9 16.3#





#11

Acenaphthene

Concen: 0.039 ng/ul

RT: 14.689 min Scan# 21

Delta R.T. 0.009 min

Lab File: BM041864.D

Acq: 14 Sep 2023 13:10

Instrument :

BNA\_M

ClientSampleId :

EZYC9

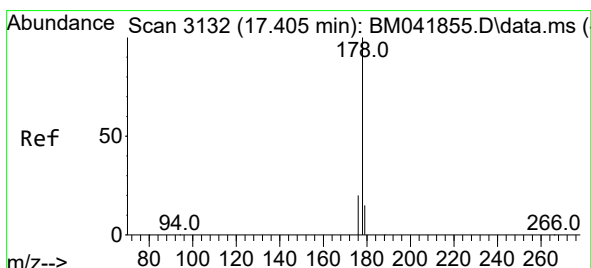
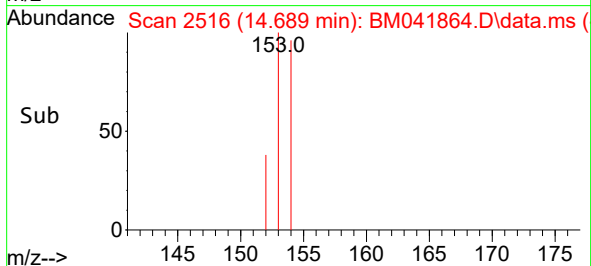
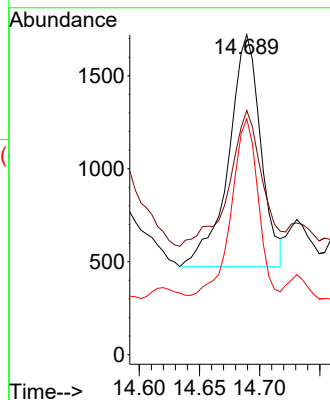
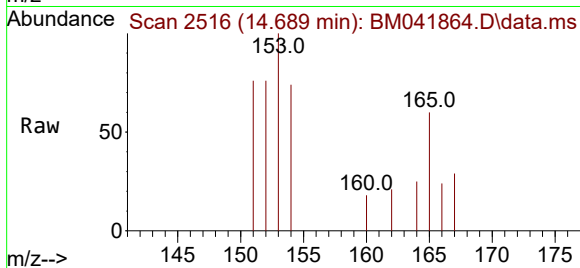
Tgt Ion:153 Resp: 2324

Ion Ratio Lower Upper

153 100

152 76.3 41.5 62.3#

154 73.7 70.7 106.1



#15

Phenanthrene

Concen: 1.406 ng/ul

RT: 17.417 min Scan# 3135

Delta R.T. 0.009 min

Lab File: BM041864.D

Acq: 14 Sep 2023 13:10

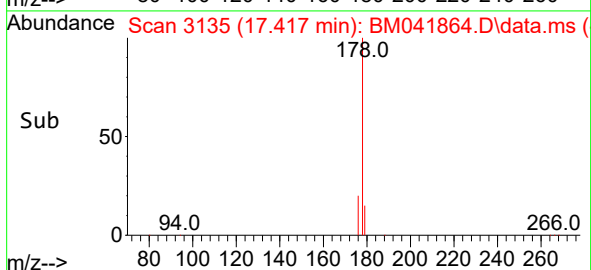
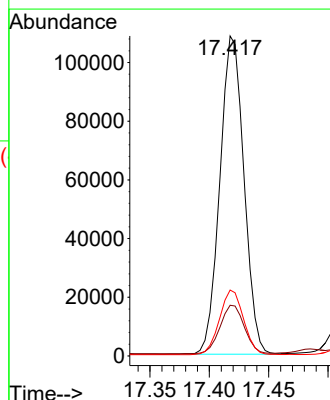
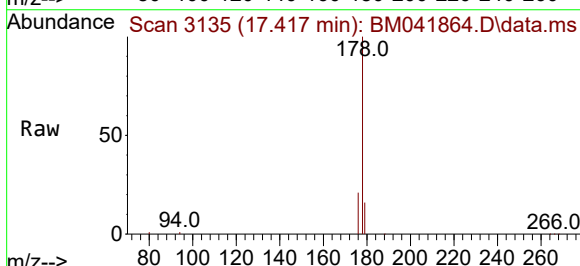
Tgt Ion:178 Resp: 153094

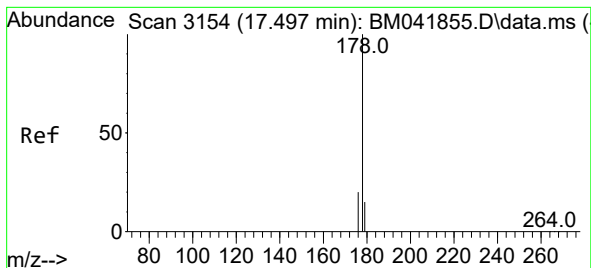
Ion Ratio Lower Upper

178 100

179 15.9 12.6 19.0

176 20.6 16.6 25.0





#16

Anthracene

Concen: 0.171 ng/ul

RT: 17.510 min Scan# 3154

Delta R.T. 0.008 min

Lab File: BM041864.D

Acq: 14 Sep 2023 13:10

Instrument :

BNA\_M

ClientSampleId :

EZYC9

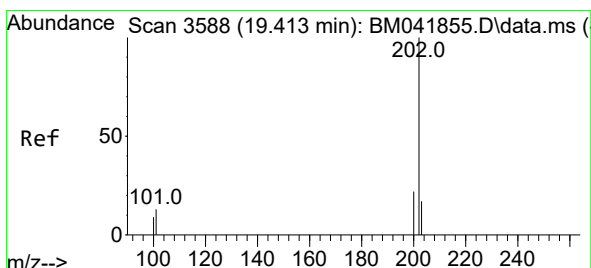
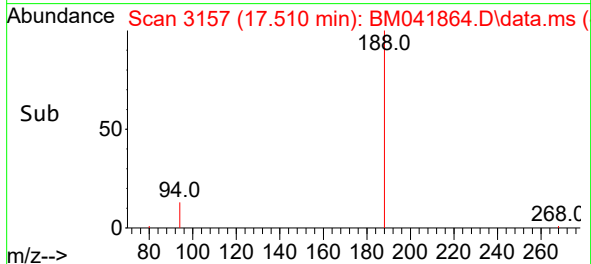
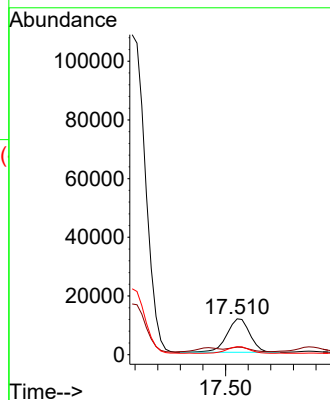
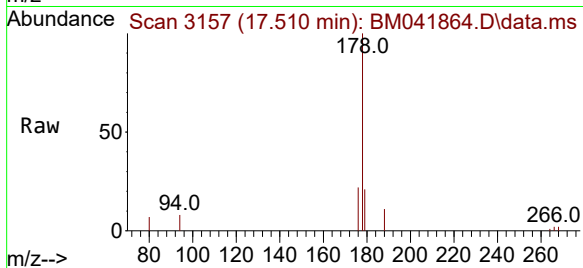
Tgt Ion:178 Resp: 16189

Ion Ratio Lower Upper

178 100

179 21.0 12.7 19.1#

176 22.4 16.1 24.1



#19

Fluoranthene

Concen: 2.364 ng/ul

RT: 19.431 min Scan# 3592

Delta R.T. 0.014 min

Lab File: BM041864.D

Acq: 14 Sep 2023 13:10

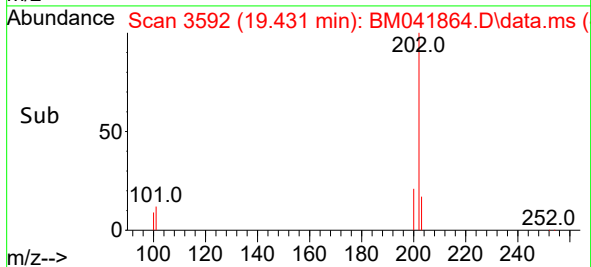
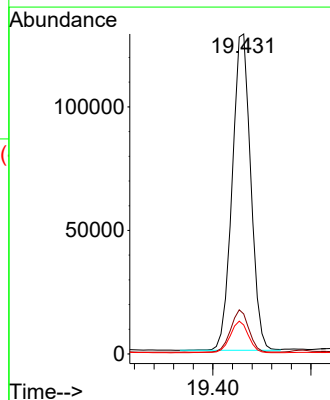
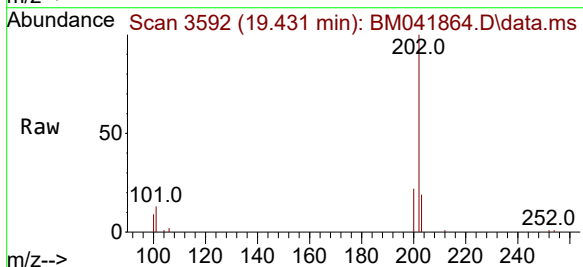
Tgt Ion:202 Resp: 168181

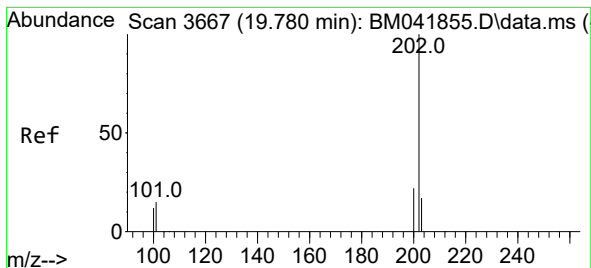
Ion Ratio Lower Upper

202 100

101 12.5 11.0 16.6

100 9.1 8.2 12.4





#20

Pyrene

Concen: 1.592 ng/ul

RT: 19.794 min Scan# 3

Delta R.T. 0.009 min

Lab File: BM041864.D

Acq: 14 Sep 2023 13:10

Instrument :

BNA\_M

ClientSampleId :

EZYC9

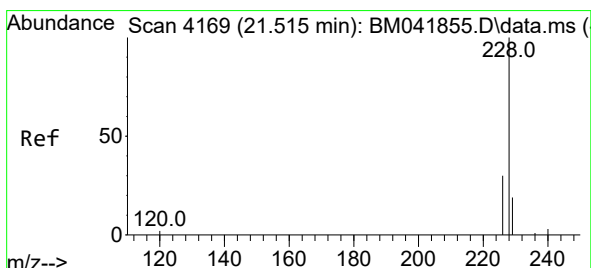
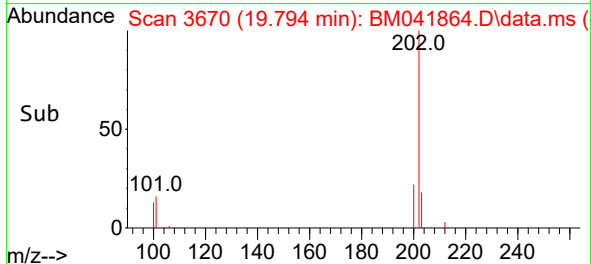
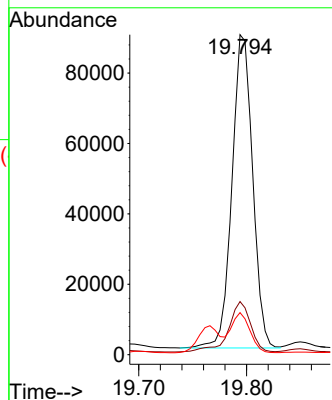
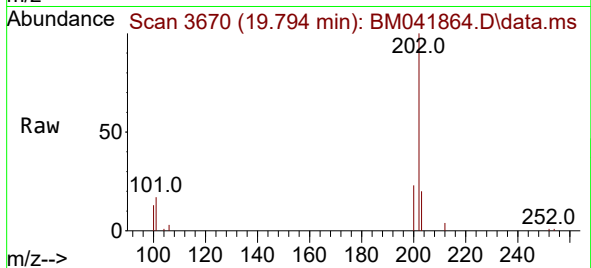
Tgt Ion:202 Resp: 118600

Ion Ratio Lower Upper

202 100

101 16.6 12.6 19.0

100 13.1 9.9 14.9



#21

Benzo(a)anthracene

Concen: 0.606 ng/ul

RT: 21.533 min Scan# 4175

Delta R.T. 0.012 min

Lab File: BM041864.D

Acq: 14 Sep 2023 13:10

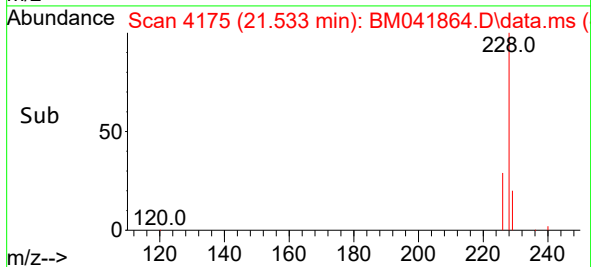
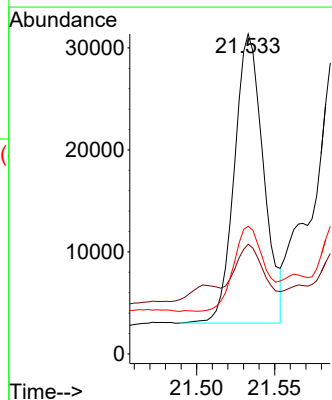
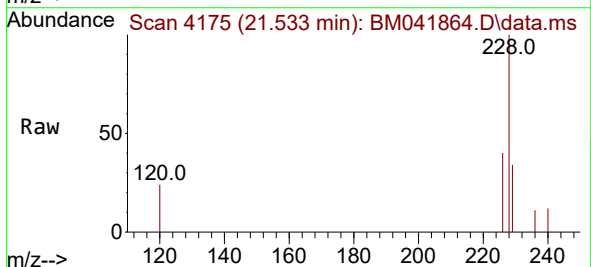
Tgt Ion:228 Resp: 36713

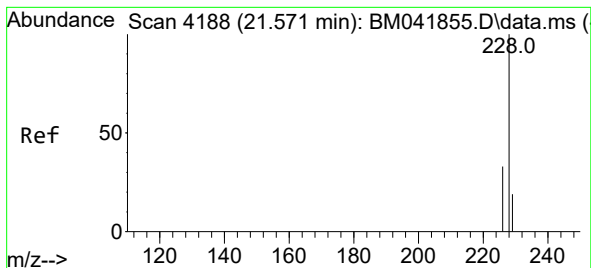
Ion Ratio Lower Upper

228 100

229 34.3 15.8 23.8#

226 39.9 24.3 36.5#





#22

Chrysene

Concen: 0.704 ng/ul

RT: 21.589 min Scan# 41

Delta R.T. 0.012 min

Lab File: BM041864.D

Acq: 14 Sep 2023 13:10

Instrument :

BNA\_M

ClientSampleId :

EZYC9

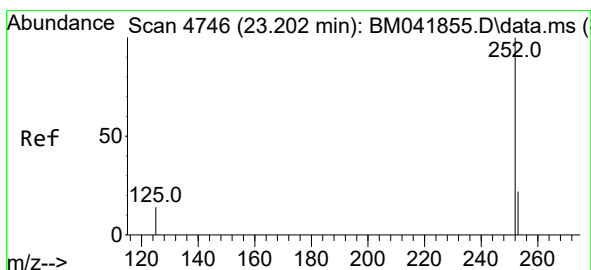
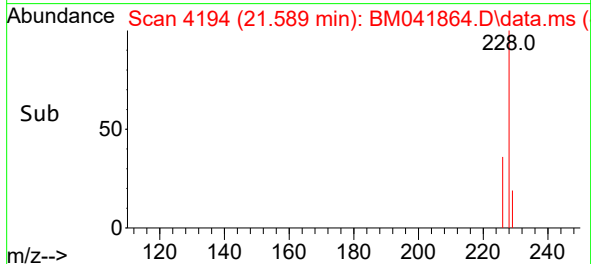
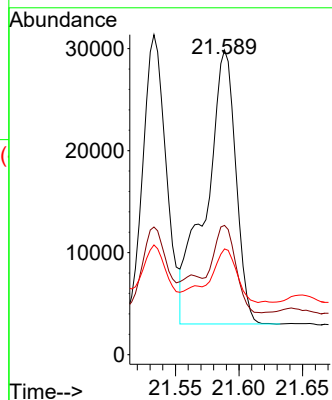
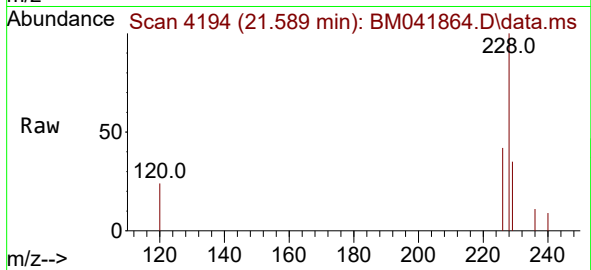
Tgt Ion:228 Resp: 43665

Ion Ratio Lower Upper

228 100

226 42.4 27.0 40.4#

229 34.7 15.7 23.5#



#24

Benzo(b)fluoranthene

Concen: 0.682 ng/ul

RT: 23.231 min Scan# 4756

Delta R.T. 0.023 min

Lab File: BM041864.D

Acq: 14 Sep 2023 13:10

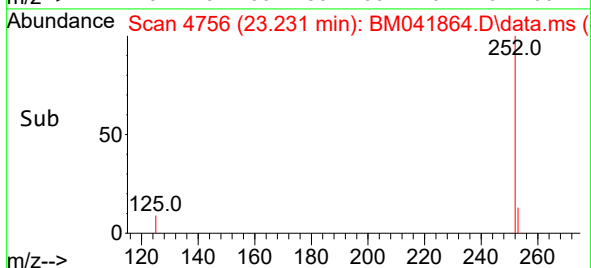
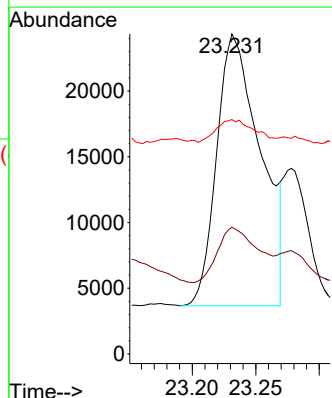
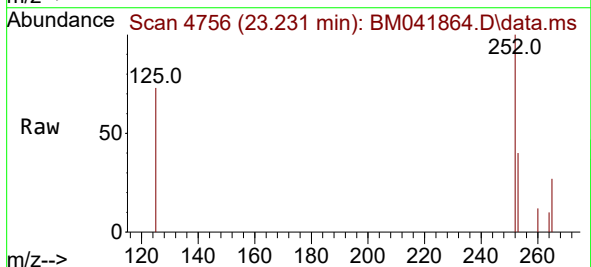
Tgt Ion:252 Resp: 49696

Ion Ratio Lower Upper

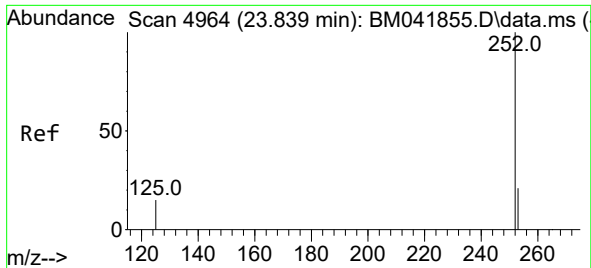
252 100

253 39.6 0.0 51.0

125 73.3 0.0 39.8#



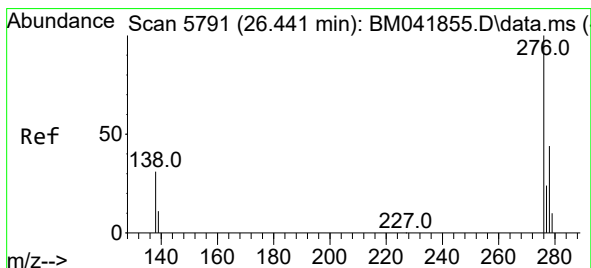
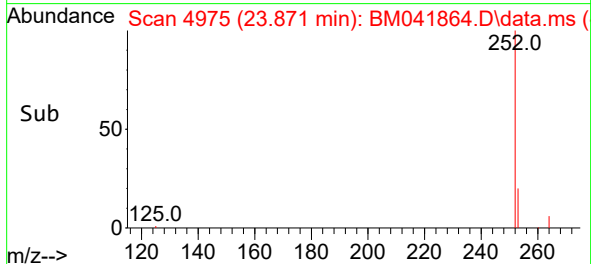
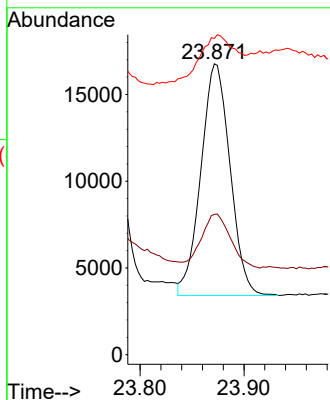
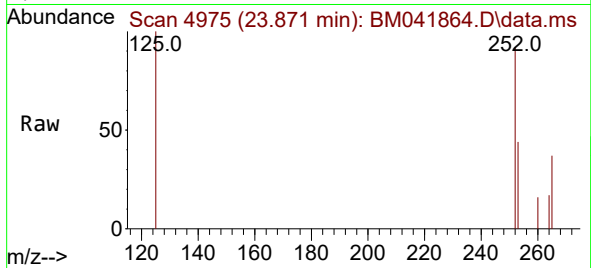




#26  
Benzo(a)pyrene  
Concen: 0.468 ng/ul  
RT: 23.871 min Scan# 4964  
Delta R.T. 0.026 min  
Lab File: BM041864.D  
Acq: 14 Sep 2023 13:10

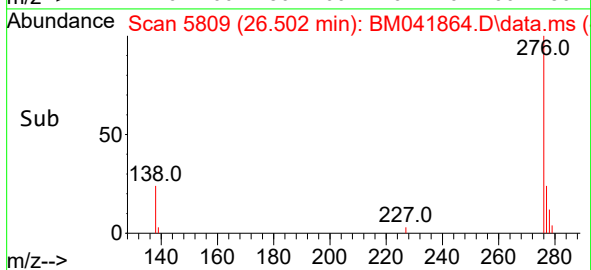
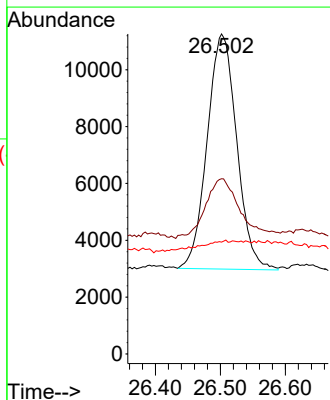
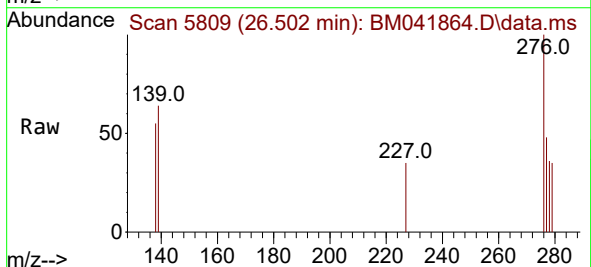
Instrument :  
BNA\_M  
ClientSampleId :  
EZYC9

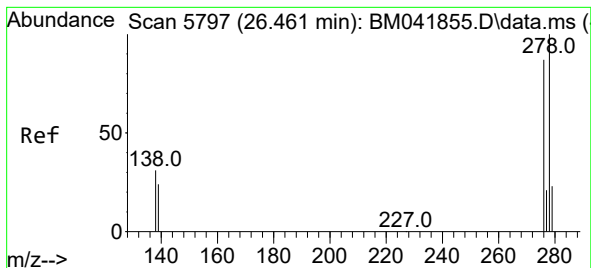
Tgt Ion:252 Resp: 26003  
Ion Ratio Lower Upper  
252 100  
253 48.3 21.8 32.8#  
125 108.7 18.8 28.2#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.306 ng/ul  
RT: 26.502 min Scan# 5809  
Delta R.T. 0.047 min  
Lab File: BM041864.D  
Acq: 14 Sep 2023 13:10

Tgt Ion:276 Resp: 26169  
Ion Ratio Lower Upper  
276 100  
138 31.3 27.7 41.5  
227 5.8 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 0.119 ng/ul

RT: 26.508 min Scan# 5

Delta R.T. 0.034 min

Lab File: BM041864.D

Acq: 14 Sep 2023 13:10

Instrument :

BNA\_M

ClientSampleId :

EZYC9

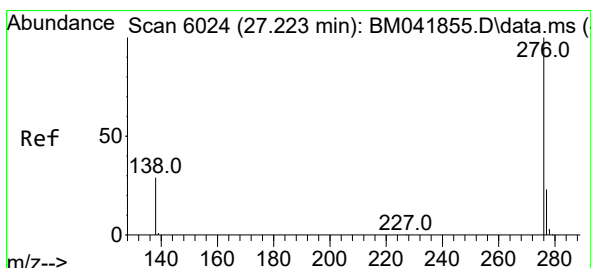
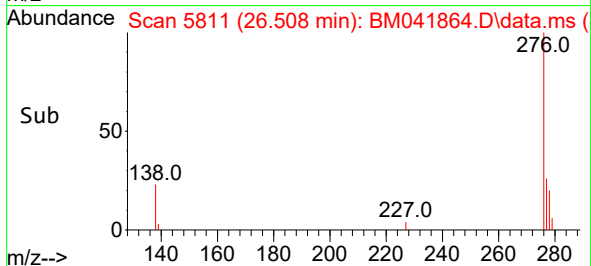
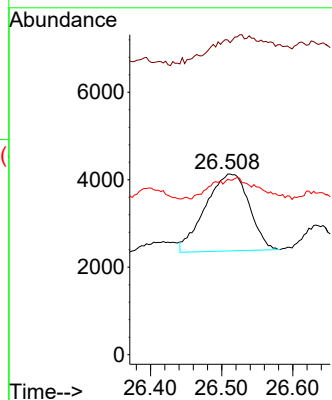
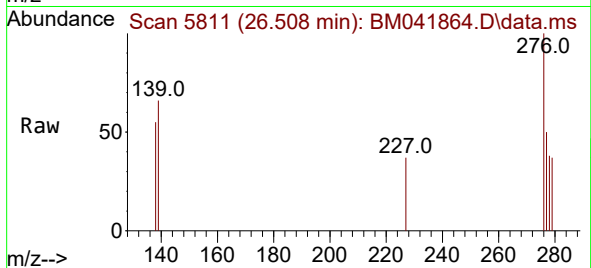
Tgt Ion:278 Resp: 7534

Ion Ratio Lower Upper

278 100

139 174.3 20.9 31.3#

279 97.1 20.3 30.5#



#29

Benzo(g,h,i)perylene

Concen: 0.416 ng/ul

RT: 27.293 min Scan# 6045

Delta R.T. 0.057 min

Lab File: BM041864.D

Acq: 14 Sep 2023 13:10

Tgt Ion:276 Resp: 30081

Ion Ratio Lower Upper

276 100

138 54.7 24.7 37.1#

277 47.3 19.3 28.9#

