

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121824\  
 Data File : BM049058.D  
 Acq On : 18 Dec 2024 20:24  
 Operator : RC/JU  
 Sample : P5155-07DL 5X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 E28R2DL

Quant Time: Dec 19 01:54:26 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 18 15:33:13 2024  
 Response via : Initial Calibration

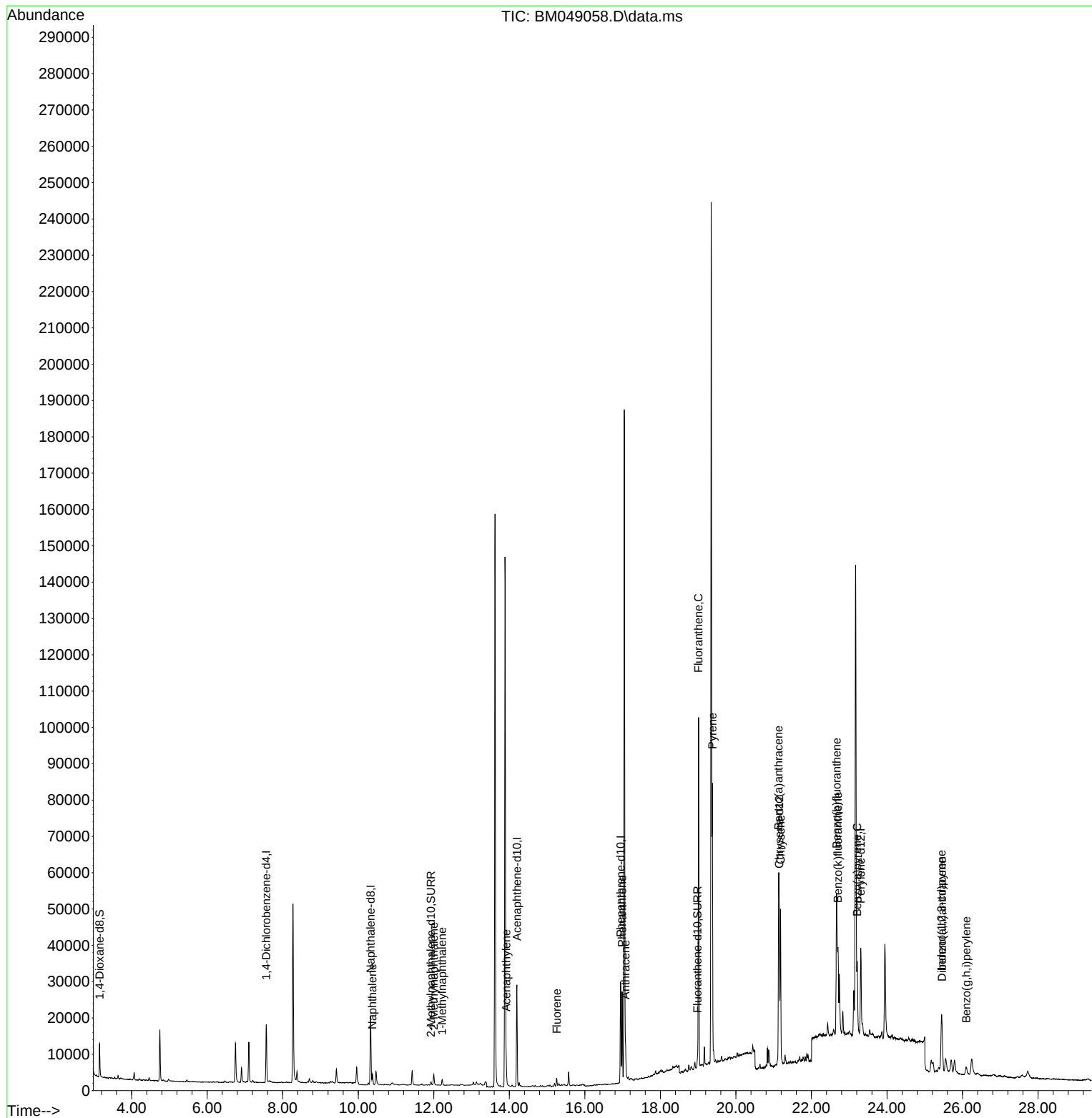
| Compound                    | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| -----                       |        |      |          |       |         |          |
| Internal Standards          |        |      |          |       |         |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.565  | 152  | 8376     | 0.400 | ng/ul   | 0.00     |
| 4) Naphthalene-d8           | 10.330 | 136  | 25786    | 0.400 | ng/ul # | 0.00     |
| 9) Acenaphthene-d10         | 14.200 | 164  | 15204    | 0.400 | ng/ul   | 0.00     |
| 13) Phenanthrene-d10        | 16.946 | 188  | 32688    | 0.400 | ng/ul   | 0.00     |
| 17) Chrysene-d12            | 21.146 | 240  | 27006    | 0.400 | ng/ul # | 0.00     |
| 23) Perylene-d12            | 23.306 | 264  | 29232m   | 0.400 | ng/ul   | 0.00     |
| System Monitoring Compounds |        |      |          |       |         |          |
| 3) 1,4-Dioxane-d8           | 3.151  | 96   | 5505     | 0.570 | ng/ul   | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.925 | 152  | 1269     | 0.037 | ng/ul   | 0.00     |
| 18) Fluoranthene-d10        | 18.982 | 212  | 2935     | 0.038 | ng/ul   | 0.00     |
| Target Compounds            |        |      |          |       |         |          |
|                             |        |      |          |       | Qvalue  |          |
| 5) Naphthalene              | 10.374 | 128  | 4032     | 0.062 | ng/ul#  | 93       |
| 7) 2-Methylnaphthalene      | 12.002 | 142  | 2429     | 0.059 | ng/ul   | 99       |
| 8) 1-Methylnaphthalene      | 12.222 | 142  | 1221     | 0.029 | ng/ul   | 99       |
| 10) Acenaphthylene          | 13.918 | 152  | 6911     | 0.110 | ng/ul   | 96       |
| 12) Fluorene                | 15.255 | 166  | 1430     | 0.028 | ng/ul#  | 90       |
| 15) Phenanthrene            | 16.988 | 178  | 25797    | 0.302 | ng/ul   | 99       |
| 16) Anthracene              | 17.077 | 178  | 7258     | 0.093 | ng/ul#  | 90       |
| 19) Fluoranthene            | 19.010 | 202  | 83546    | 0.856 | ng/ul   | 100      |
| 20) Pyrene                  | 19.377 | 202  | 64245    | 0.617 | ng/ul   | 99       |
| 21) Benzo(a)anthracene      | 21.132 | 228  | 38265    | 0.407 | ng/ul#  | 91       |
| 22) Chrysene                | 21.181 | 228  | 43089    | 0.427 | ng/ul#  | 92       |
| 24) Benzo(b)fluoranthene    | 22.666 | 252  | 62425m   | 0.668 | ng/ul   |          |
| 25) Benzo(k)fluoranthene    | 22.701 | 252  | 21022m   | 0.205 | ng/ul   |          |
| 26) Benzo(a)pyrene          | 23.209 | 252  | 24923    | 0.278 | ng/ul#  | 73       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.447 | 276  | 24922    | 0.197 | ng/ul#  | 96       |
| 28) Dibenzo(a,h)anthracene  | 25.461 | 278  | 7444     | 0.076 | ng/ul#  | 43       |
| 29) Benzo(g,h,i)perylene    | 26.098 | 276  | 4160     | 0.041 | ng/ul#  | 35       |
| -----                       |        |      |          |       |         |          |

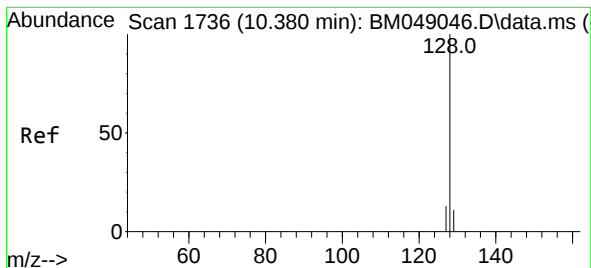
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121824\  
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QLast Update : Wed Dec 18 15:33:13 2024  
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.062 ng/ul

RT: 10.374 min Scan# 1

Delta R.T. -0.005 min

Lab File: BM049058.D

Acq: 18 Dec 2024 20:24

Instrument :

BNA\_M

ClientSampleId :

E28R2DL

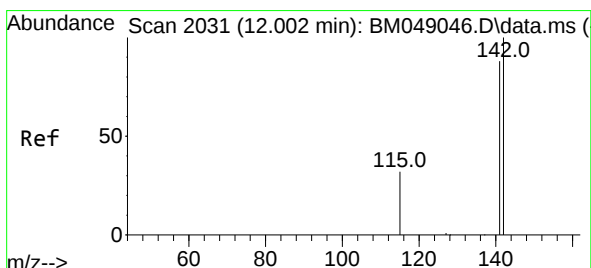
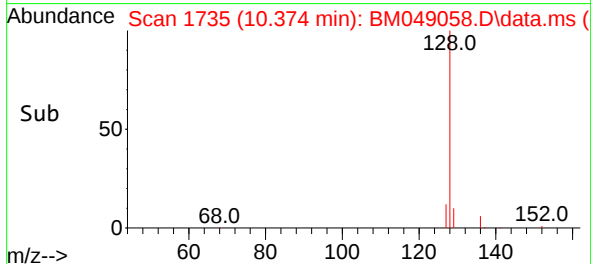
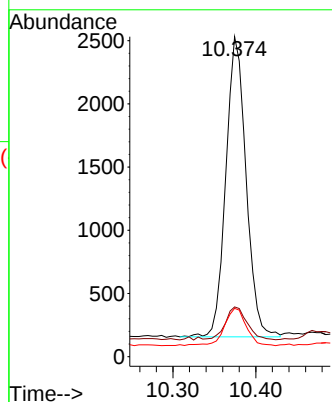
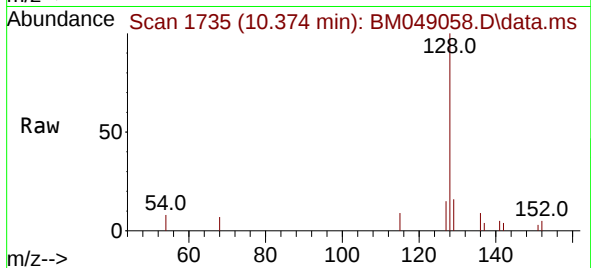
Tgt Ion:128 Resp: 4032

Ion Ratio Lower Upper

128 100

129 15.5 9.7 14.5#

127 15.1 10.6 16.0



#7

2-Methylnaphthalene

Concen: 0.059 ng/ul

RT: 12.002 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BM049058.D

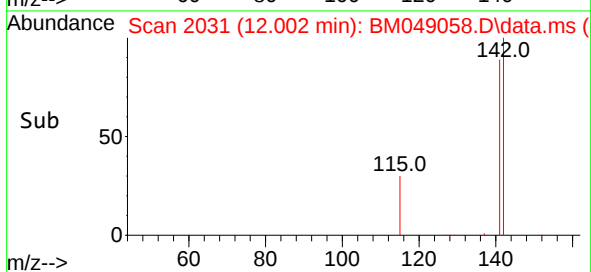
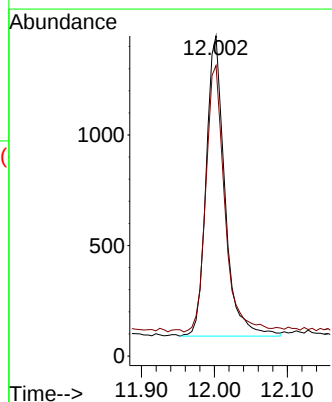
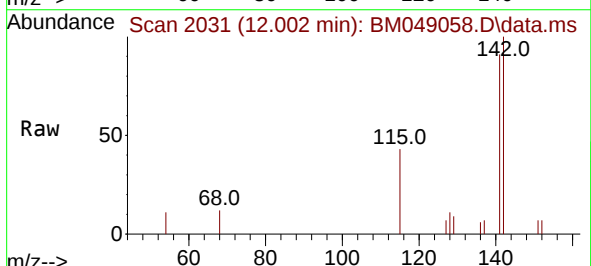
Acq: 18 Dec 2024 20:24

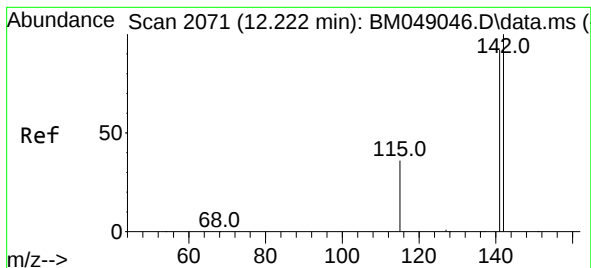
Tgt Ion:142 Resp: 2429

Ion Ratio Lower Upper

142 100

141 90.1 71.7 107.5





#8

1-Methylnaphthalene

Concen: 0.029 ng/ul

RT: 12.222 min Scan# 2071

Delta R.T. 0.000 min

Lab File: BM049058.D

Acq: 18 Dec 2024 20:24

Instrument :

BNA\_M

ClientSampleId :

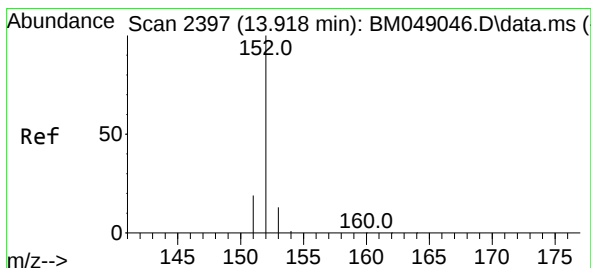
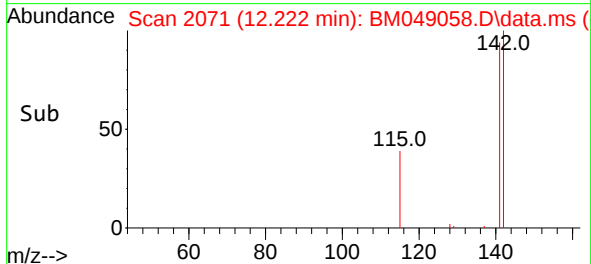
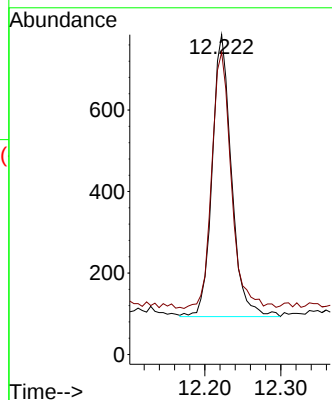
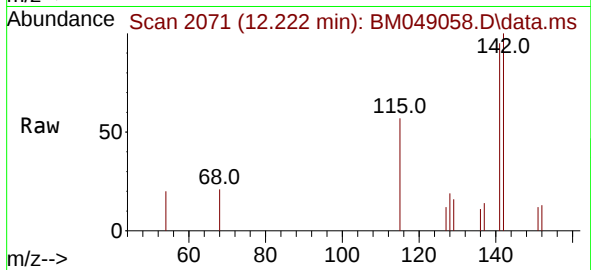
E28R2DL

Tgt Ion:142 Resp: 1221

Ion Ratio Lower Upper

142 100

141 91.8 72.7 109.1



#10

Acenaphthylene

Concen: 0.110 ng/ul

RT: 13.918 min Scan# 2397

Delta R.T. 0.000 min

Lab File: BM049058.D

Acq: 18 Dec 2024 20:24

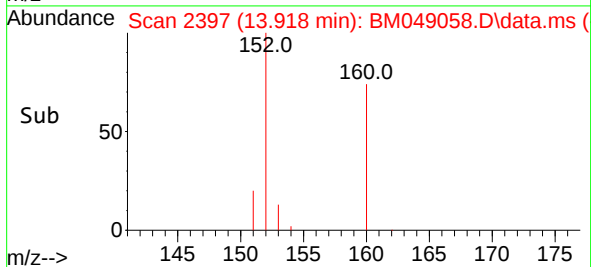
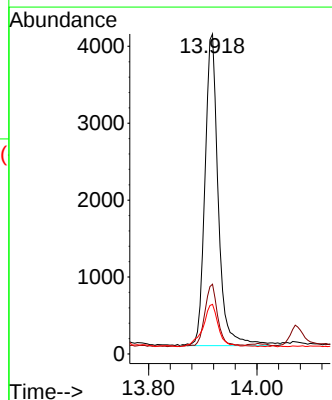
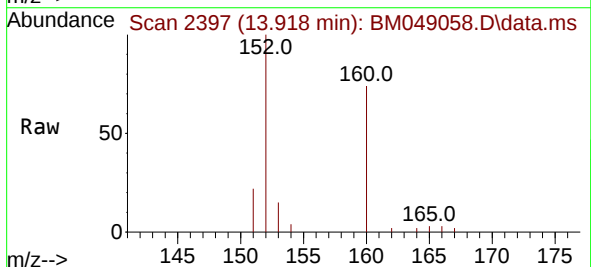
Tgt Ion:152 Resp: 6911

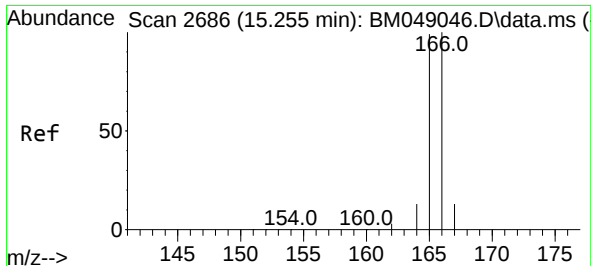
Ion Ratio Lower Upper

152 100

151 21.8 16.0 24.0

153 15.5 11.0 16.6

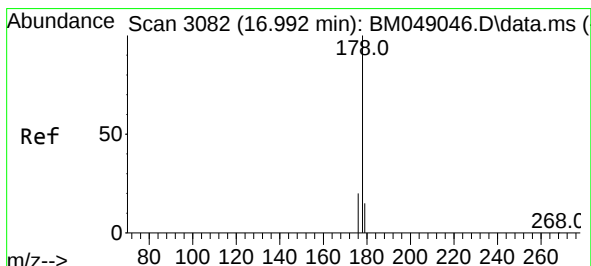
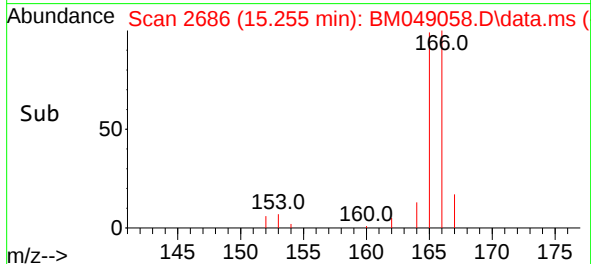
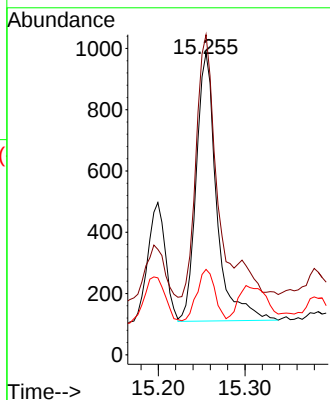
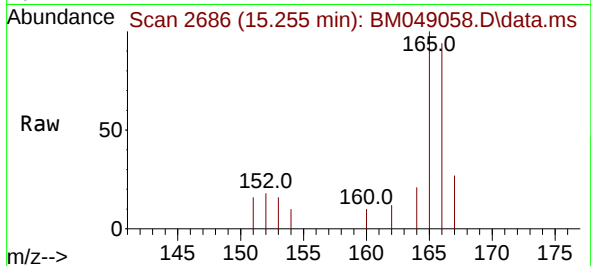




#12  
Fluorene  
Concen: 0.028 ng/ul  
RT: 15.255 min Scan# 2  
Delta R.T. 0.000 min  
Lab File: BM049058.D  
Acq: 18 Dec 2024 20:24

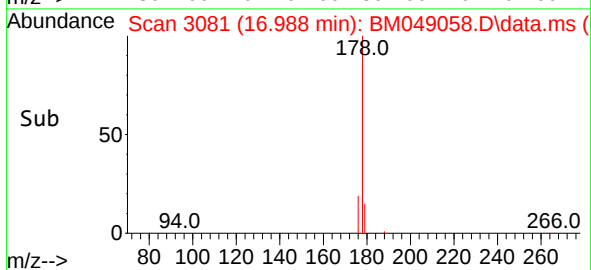
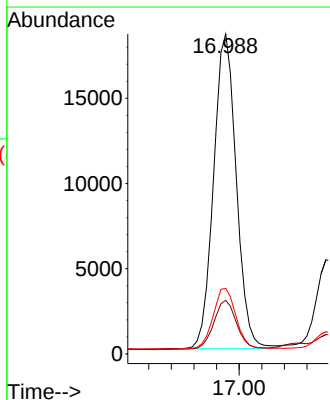
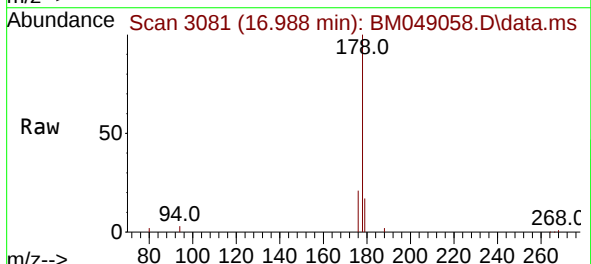
Instrument :  
BNA\_M  
ClientSampleId :  
E28R2DL

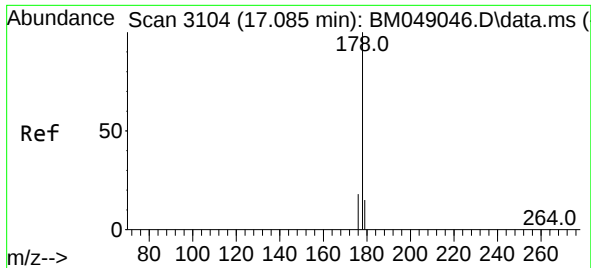
Tgt Ion:166 Resp: 1430  
Ion Ratio Lower Upper  
166 100  
165 106.1 79.7 119.5  
167 28.3 11.4 17.0#



#15  
Phenanthrene  
Concen: 0.302 ng/ul  
RT: 16.988 min Scan# 3081  
Delta R.T. -0.004 min  
Lab File: BM049058.D  
Acq: 18 Dec 2024 20:24

Tgt Ion:178 Resp: 25797  
Ion Ratio Lower Upper  
178 100  
179 16.7 13.0 19.4  
176 20.5 16.2 24.2

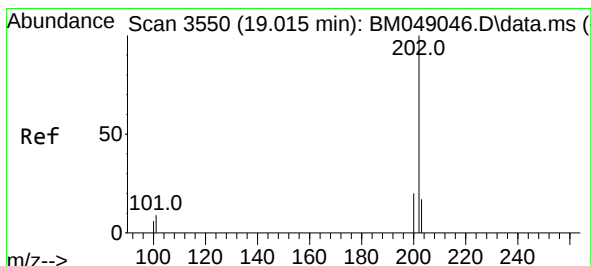
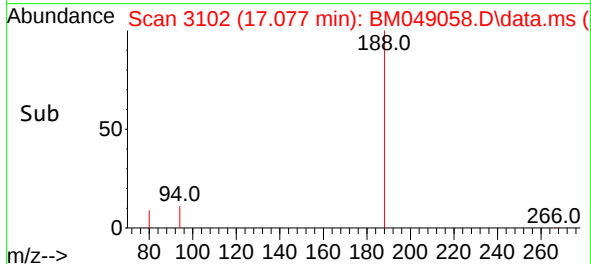
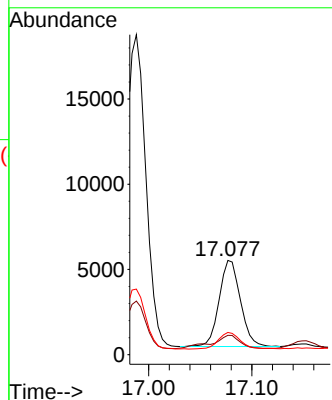
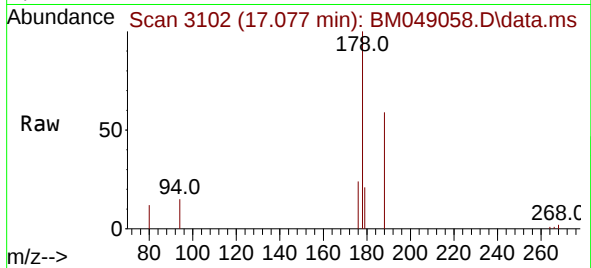




#16  
Anthracene  
Concen: 0.093 ng/ul  
RT: 17.077 min Scan# 3104  
Delta R.T. -0.008 min  
Lab File: BM049058.D  
Acq: 18 Dec 2024 20:24

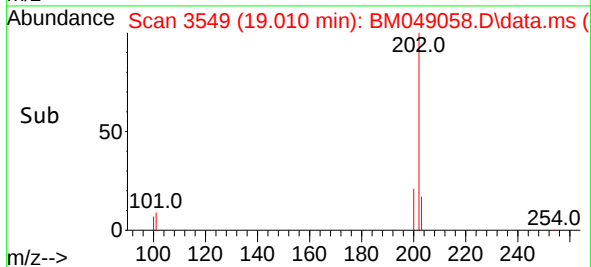
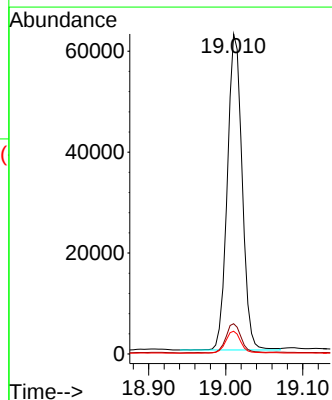
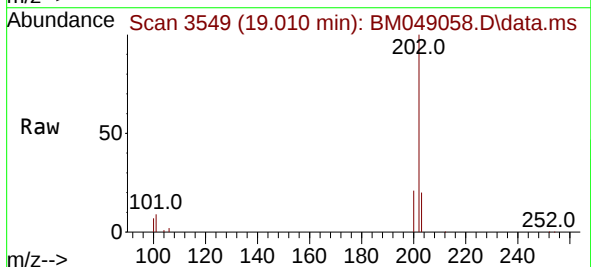
Instrument :  
BNA\_M  
ClientSampleId :  
E28R2DL

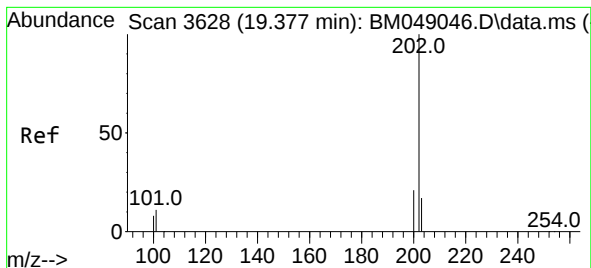
Tgt Ion:178 Resp: 7258  
Ion Ratio Lower Upper  
178 100  
179 20.6 12.9 19.3#  
176 23.7 15.3 22.9#



#19  
Fluoranthene  
Concen: 0.856 ng/ul  
RT: 19.010 min Scan# 3549  
Delta R.T. -0.005 min  
Lab File: BM049058.D  
Acq: 18 Dec 2024 20:24

Tgt Ion:202 Resp: 83546  
Ion Ratio Lower Upper  
202 100  
101 9.5 7.6 11.4  
100 7.1 5.5 8.3





#20

Pyrene

Concen: 0.617 ng/ul

RT: 19.377 min Scan# 3

Delta R.T. 0.000 min

Lab File: BM049058.D

Acq: 18 Dec 2024 20:24

Instrument :

BNA\_M

ClientSampleId :

E28R2DL

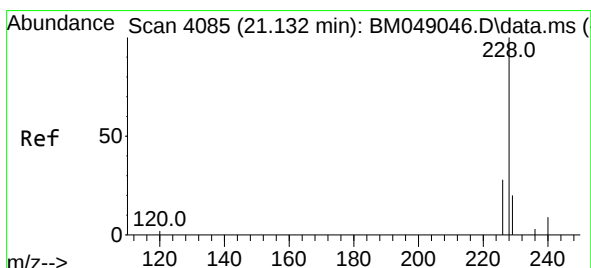
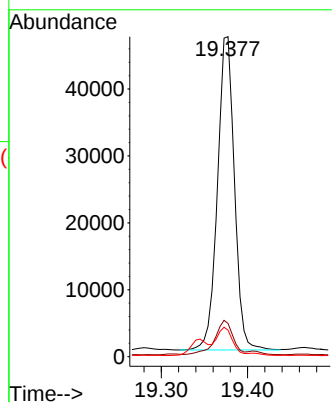
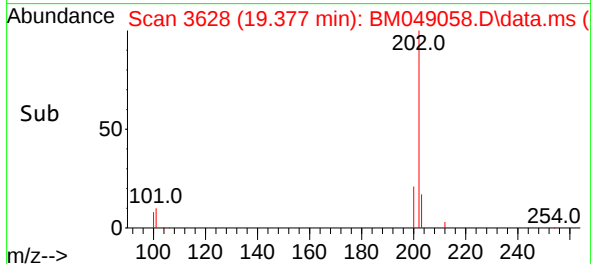
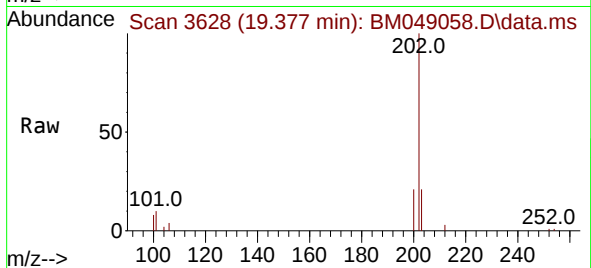
Tgt Ion:202 Resp: 64245

Ion Ratio Lower Upper

202 100

101 10.4 8.9 13.3

100 8.3 6.9 10.3



#21

Benzo(a)anthracene

Concen: 0.407 ng/ul

RT: 21.132 min Scan# 4085

Delta R.T. 0.000 min

Lab File: BM049058.D

Acq: 18 Dec 2024 20:24

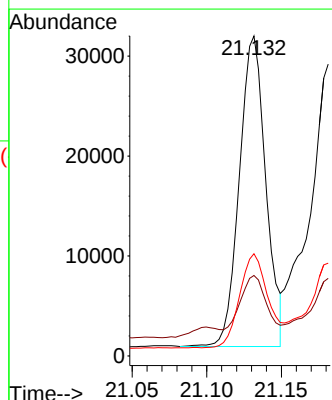
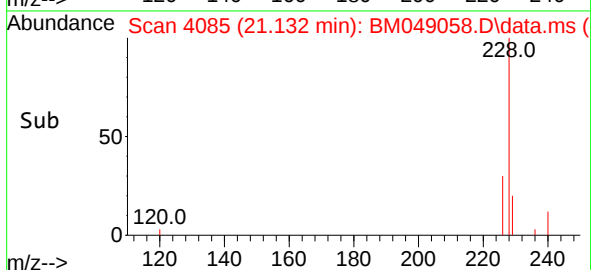
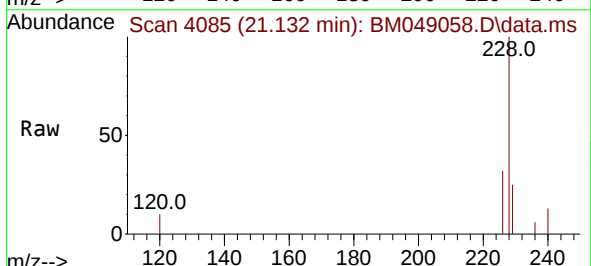
Tgt Ion:228 Resp: 38265

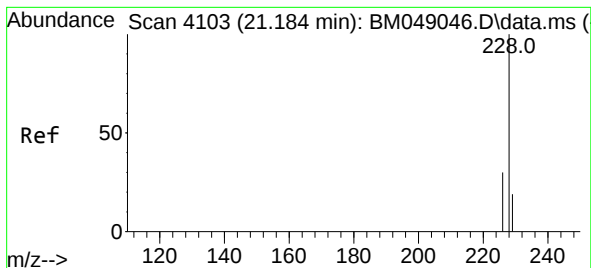
Ion Ratio Lower Upper

228 100

229 25.1 15.9 23.9#

226 32.0 22.6 34.0





#22

Chrysene

Concen: 0.427 ng/ul

RT: 21.181 min Scan# 41

Delta R.T. -0.003 min

Lab File: BM049058.D

Acq: 18 Dec 2024 20:24

Instrument :

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E28R2DL

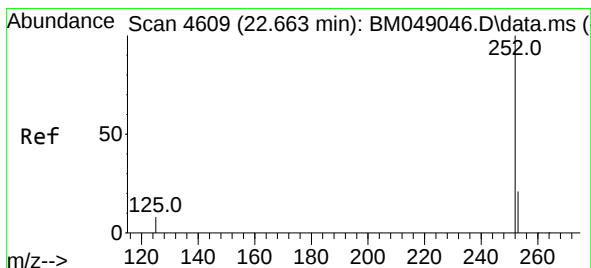
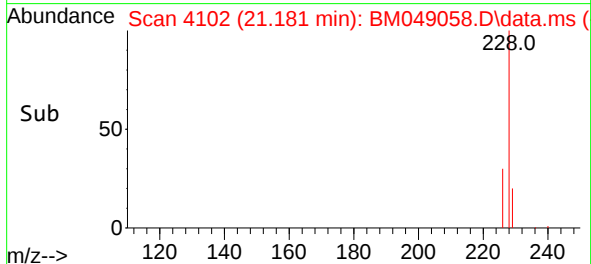
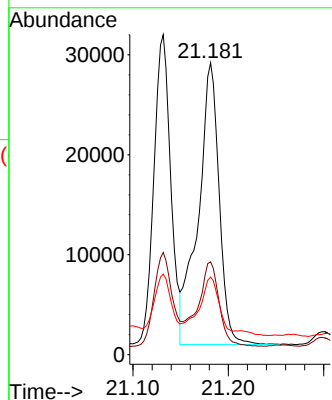
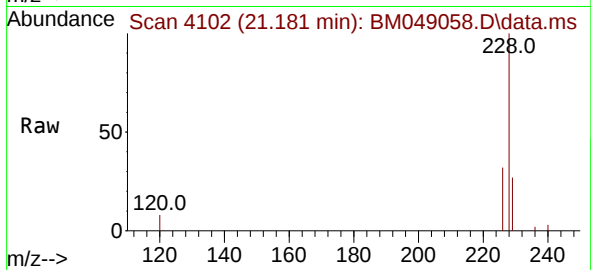
Tgt Ion:228 Resp: 43089

Ion Ratio Lower Upper

228 100

226 31.8 24.1 36.1

229 26.6 15.8 23.8#



#24

Benzo(b)fluoranthene

Concen: 0.668 ng/ul m

RT: 22.666 min Scan# 4610

Delta R.T. 0.003 min

Lab File: BM049058.D

Acq: 18 Dec 2024 20:24

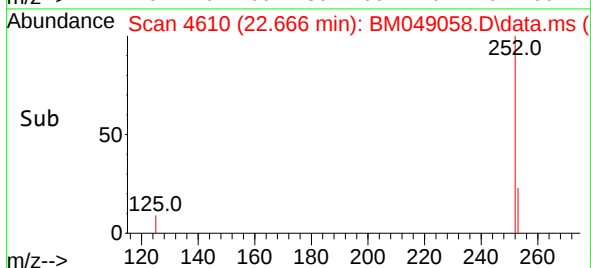
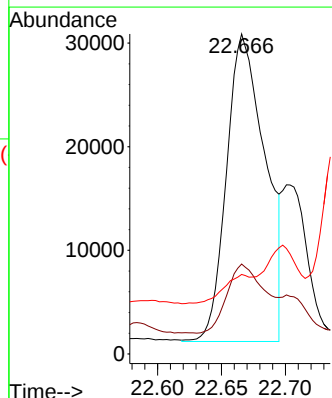
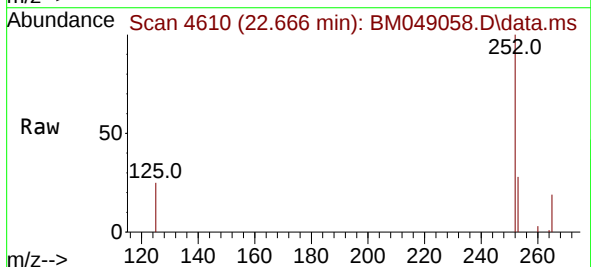
Tgt Ion:252 Resp: 62425

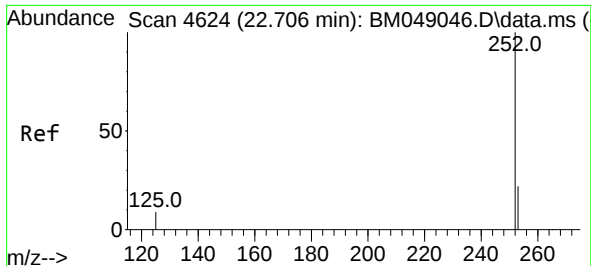
Ion Ratio Lower Upper

252 100

253 28.1 0.0 52.6

125 24.8 0.0 30.8

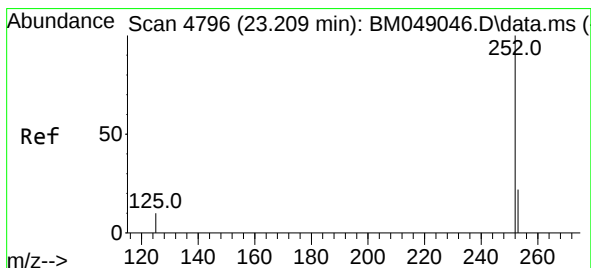
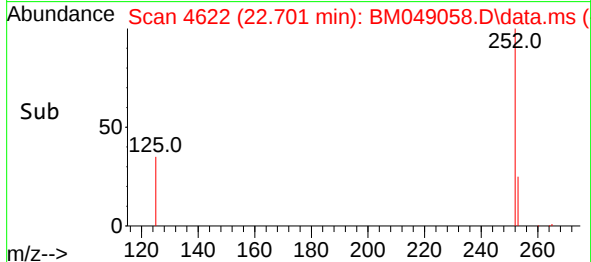
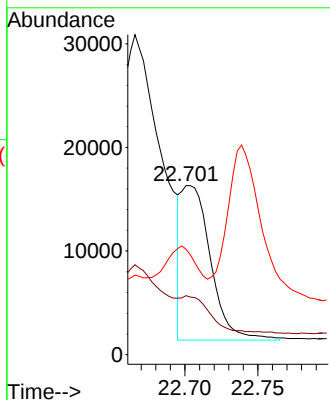
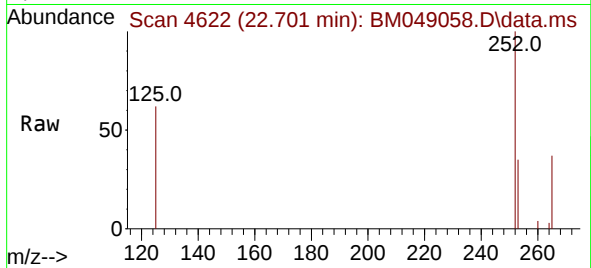




#25  
Benzo(k)fluoranthene  
Concen: 0.205 ng/ul m  
RT: 22.701 min Scan# 4622  
Delta R.T. -0.006 min  
Lab File: BM049058.D  
Acq: 18 Dec 2024 20:24

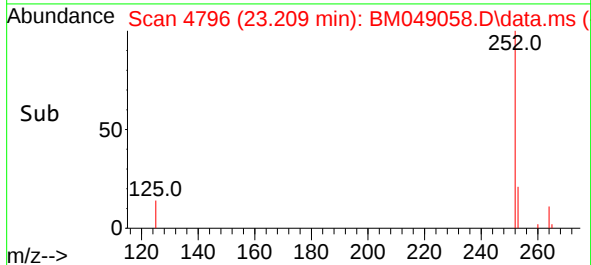
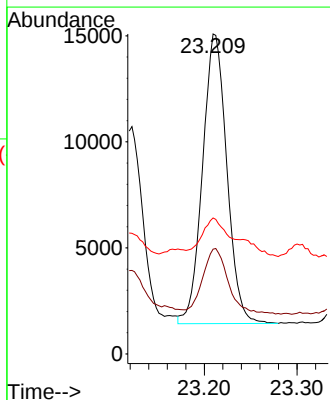
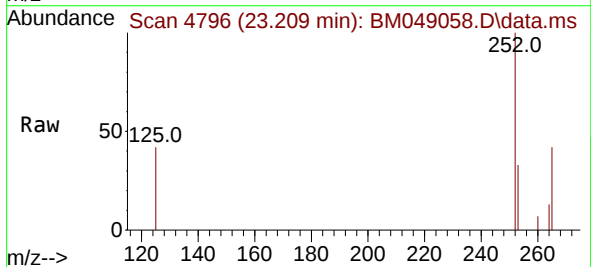
Instrument :  
BNA\_M  
ClientSampleId :  
E28R2DL

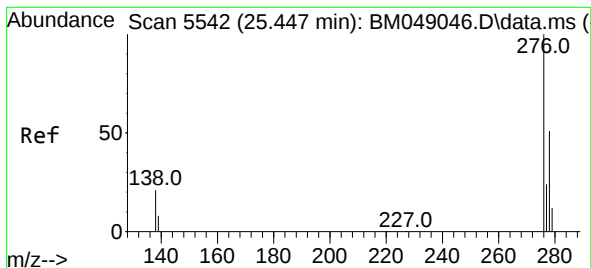
Tgt Ion:252 Resp: 21022  
Ion Ratio Lower Upper  
252 100  
253 34.9 21.3 31.9#  
125 62.3 12.6 18.8#



#26  
Benzo(a)pyrene  
Concen: 0.278 ng/ul  
RT: 23.209 min Scan# 4796  
Delta R.T. 0.000 min  
Lab File: BM049058.D  
Acq: 18 Dec 2024 20:24

Tgt Ion:252 Resp: 24923  
Ion Ratio Lower Upper  
252 100  
253 32.8 22.4 33.6  
125 42.5 14.8 22.2#





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.197 ng/ul

RT: 25.447 min Scan# 5

Delta R.T. 0.000 min

Lab File: BM049058.D

Acq: 18 Dec 2024 20:24

Instrument :

BNA\_M

ClientSampleId :

E28R2DL

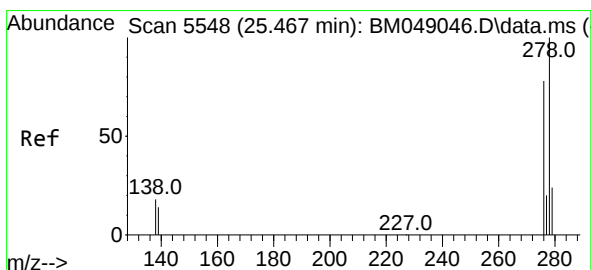
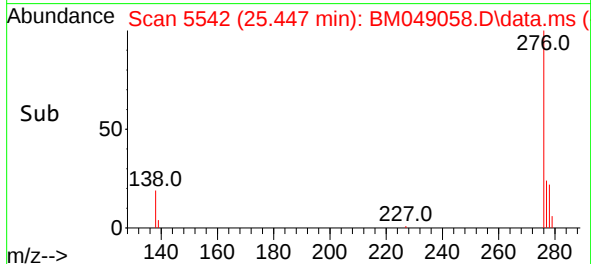
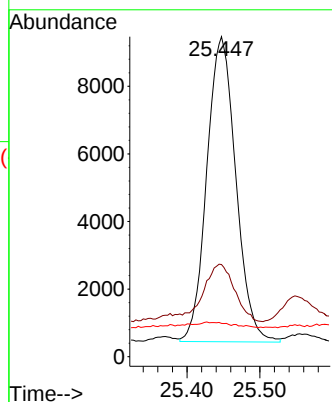
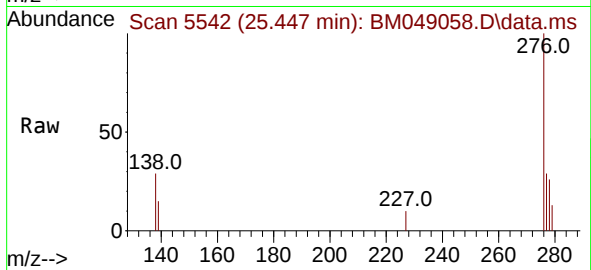
Tgt Ion:276 Resp: 24922

Ion Ratio Lower Upper

276 100

138 20.0 17.4 26.2

227 0.0 0.2 0.2#



#28

Dibenzo(a,h)anthracene

Concen: 0.076 ng/ul

RT: 25.461 min Scan# 5546

Delta R.T. -0.007 min

Lab File: BM049058.D

Acq: 18 Dec 2024 20:24

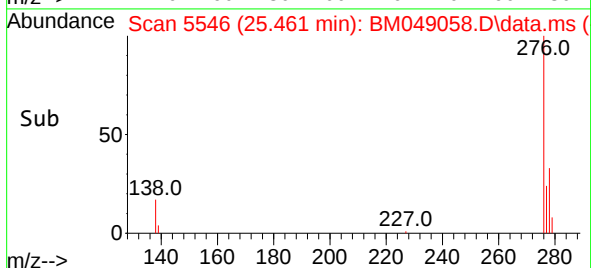
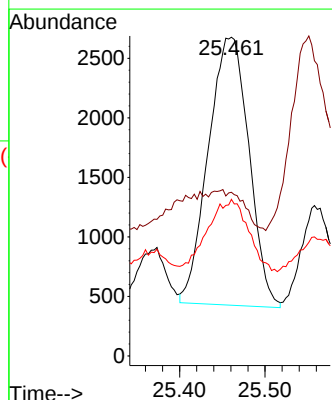
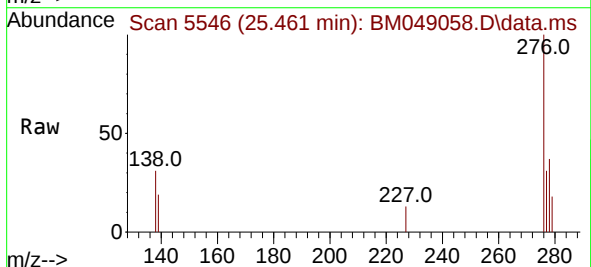
Tgt Ion:278 Resp: 7444

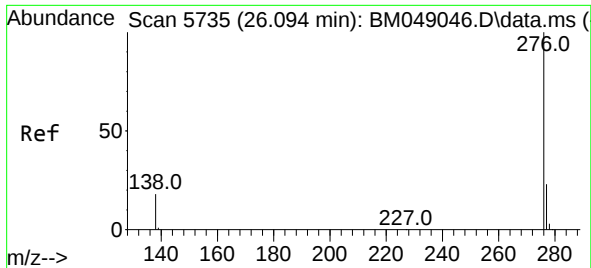
Ion Ratio Lower Upper

278 100

139 51.4 13.5 20.3#

279 49.2 21.5 32.3#





#29

Benzo(g,h,i)perylene

Concen: 0.041 ng/ul

RT: 26.098 min Scan# 51

Delta R.T. 0.003 min

Lab File: BM049058.D

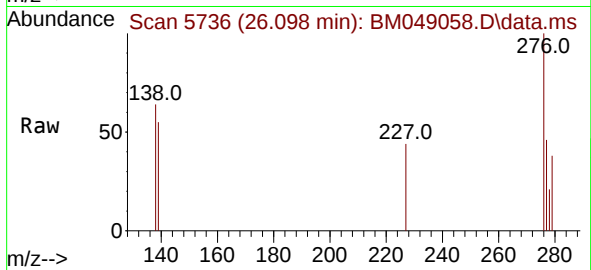
Acq: 18 Dec 2024 20:24

Instrument :

BNA\_M

ClientSampleId :

E28R2DL



Tgt Ion:276 Resp: 4160

Ion Ratio Lower Upper

276 100

138 64.0 16.7 25.1#

277 45.5 19.9 29.9#

