

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070123\  
 Data File : BM040559.D  
 Acq On : 03 Jul 2023 03:29  
 Operator : MA/JU  
 Sample : 03245-04  
 Misc :  
 ALS Vial : 64 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCGG2

Quant Time: Jul 03 06:50:32 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM062223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jul 01 03:00:05 2023  
 Response via : Initial Calibration

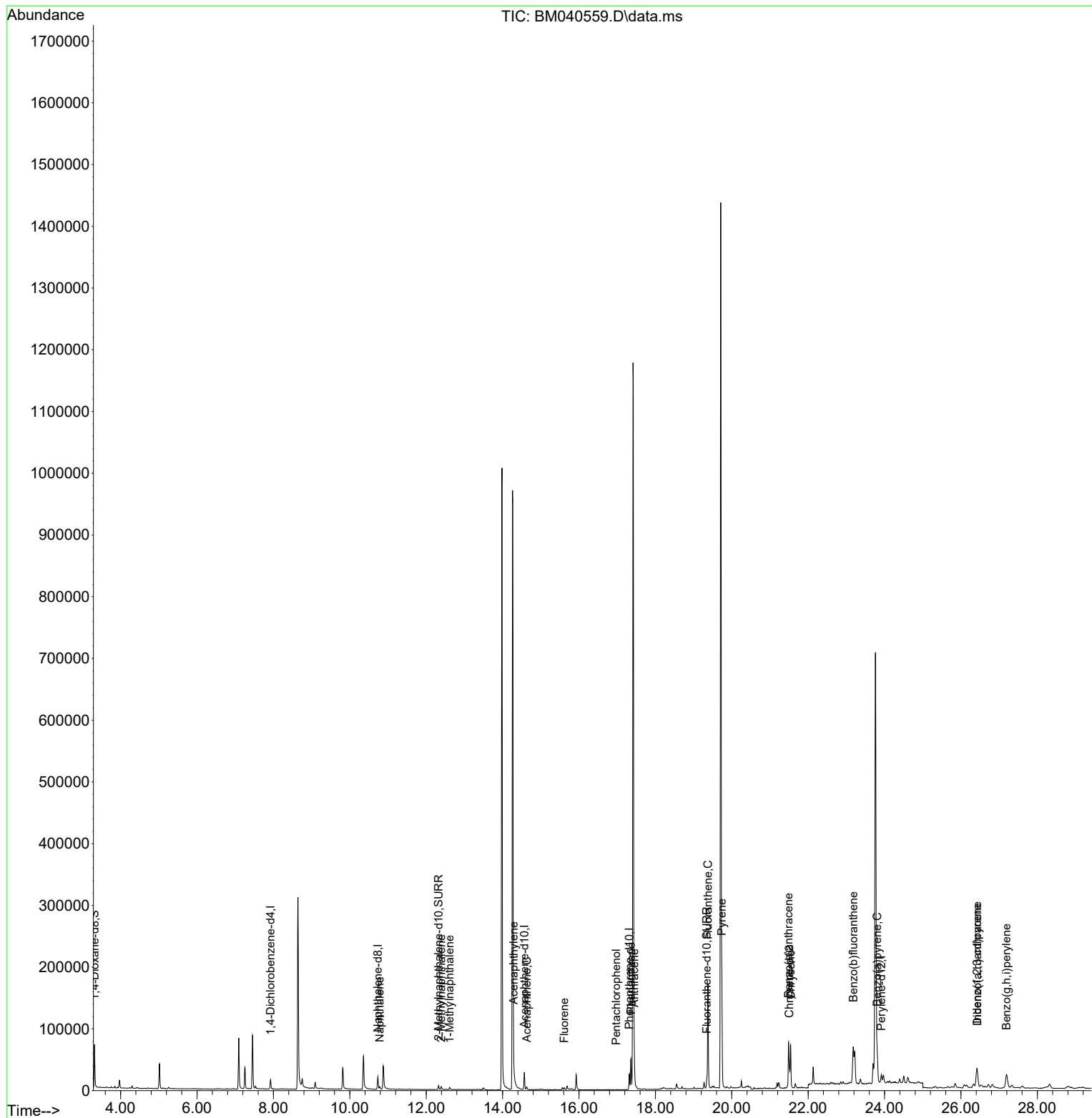
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.923  | 152  | 8145     | 0.400 | ng/ul  | -0.01    |
| 4) Naphthalene-d8           | 10.733 | 136  | 29151    | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.571 | 164  | 15891    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.318 | 188  | 32078    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.502 | 240  | 19282    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.913 | 264  | 18819    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.316  | 96   | 39422    | 3.081 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.322 | 152  | 9632     | 0.236 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 19.346 | 212  | 17735    | 0.287 | ng/ul  | -0.01    |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.782 | 128  | 5449     | 0.068 | ng/ul# | 90       |
| 7) 2-Methylnaphthalene      | 12.393 | 142  | 3722     | 0.079 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.613 | 142  | 2677     | 0.057 | ng/ul  | 98       |
| 10) Acenaphthylene          | 14.289 | 152  | 5349     | 0.075 | ng/ul# | 90       |
| 11) Acenaphthene            | 14.631 | 153  | 2658     | 0.044 | ng/ul  | 96       |
| 12) Fluorene                | 15.617 | 166  | 2342     | 0.037 | ng/ul# | 94       |
| 14) Pentachlorophenol       | 16.972 | 266  | 168      | 0.027 | ng/ul  | 95       |
| 15) Phenanthrene            | 17.360 | 178  | 57192    | 0.574 | ng/ul  | 99       |
| 16) Anthracene              | 17.449 | 178  | 11463    | 0.137 | ng/ul# | 94       |
| 19) Fluoranthene            | 19.373 | 202  | 155550   | 1.899 | ng/ul  | 98       |
| 20) Pyrene                  | 19.741 | 202  | 122926   | 1.400 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.487 | 228  | 67072    | 1.028 | ng/ul  | 97       |
| 22) Chrysene                | 21.540 | 228  | 74626    | 1.003 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 23.182 | 252  | 107686   | 1.479 | ng/ul  | 96       |
| 26) Benzo(a)pyrene          | 23.808 | 252  | 66013    | 1.006 | ng/ul# | 93       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.419 | 276  | 60445    | 0.662 | ng/ul# | 83       |
| 28) Dibenzo(a,h)anthracene  | 26.429 | 278  | 15961    | 0.223 | ng/ul# | 77       |
| 29) Benzo(g,h,i)perylene    | 27.190 | 276  | 56899    | 0.711 | ng/ul  | 99       |

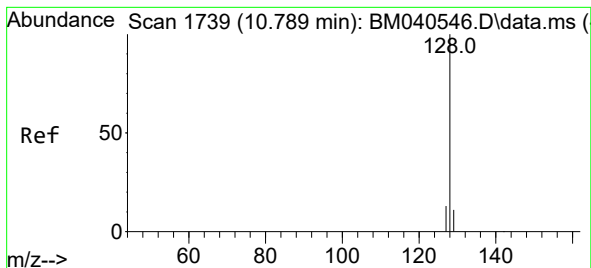
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070123\  
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BNA\_M  
ClientSampleId :  
DCGG2

Quant Time: Jul 03 06:50:32 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM062223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Jul 01 03:00:05 2023  
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.068 ng/ul

RT: 10.782 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM040559.D

Acq: 03 Jul 2023 03:29

Instrument :

BNA\_M

ClientSampleId :

DCGG2

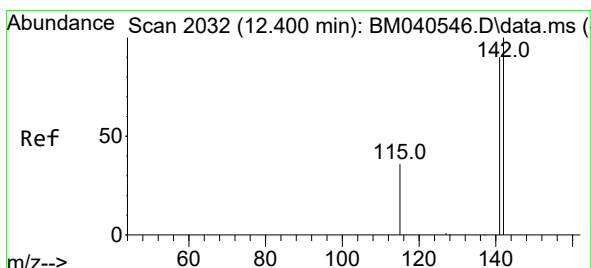
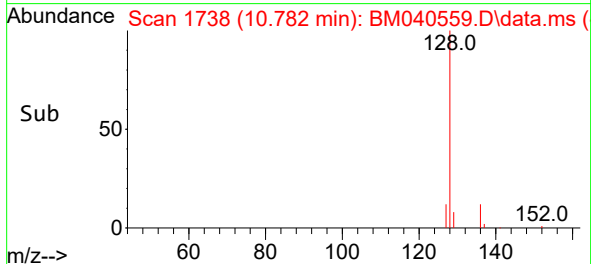
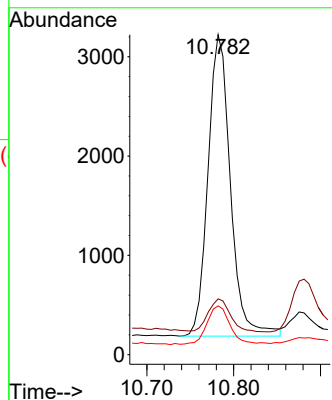
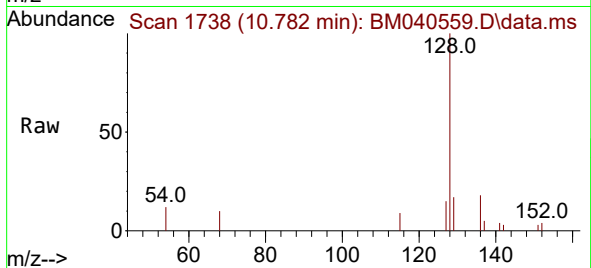
Tgt Ion:128 Resp: 5449

Ion Ratio Lower Upper

128 100

129 17.4 9.2 13.8#

127 15.2 10.6 15.8



#7

2-Methylnaphthalene

Concen: 0.079 ng/ul

RT: 12.393 min Scan# 2031

Delta R.T. -0.012 min

Lab File: BM040559.D

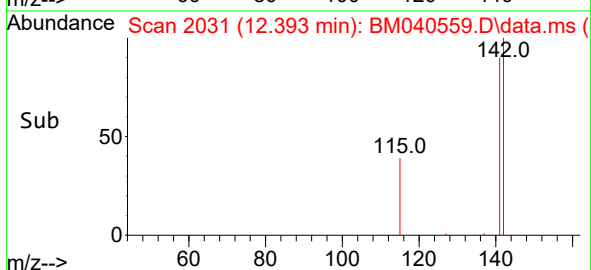
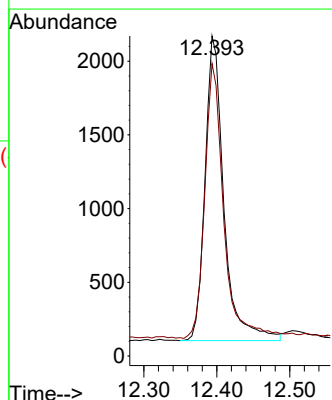
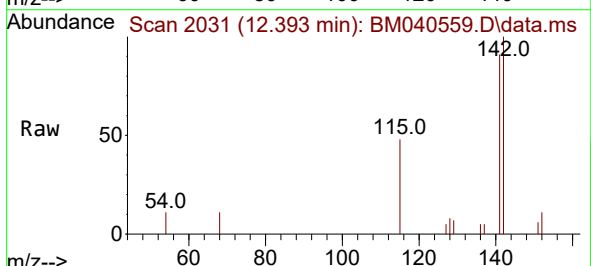
Acq: 03 Jul 2023 03:29

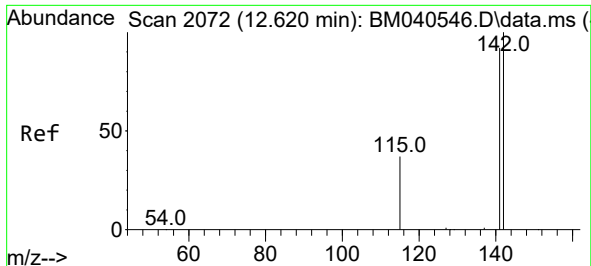
Tgt Ion:142 Resp: 3722

Ion Ratio Lower Upper

142 100

141 90.8 71.9 107.9

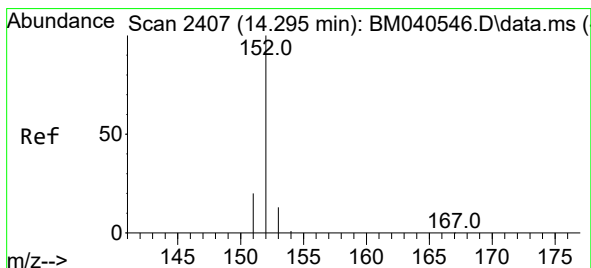
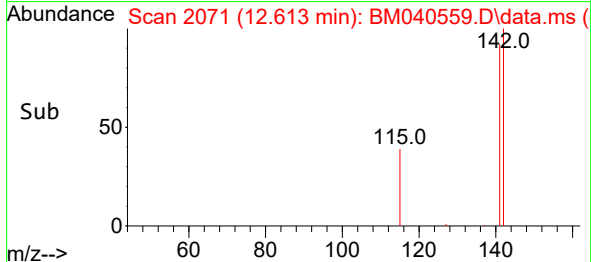
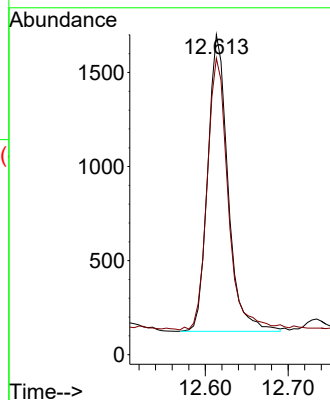
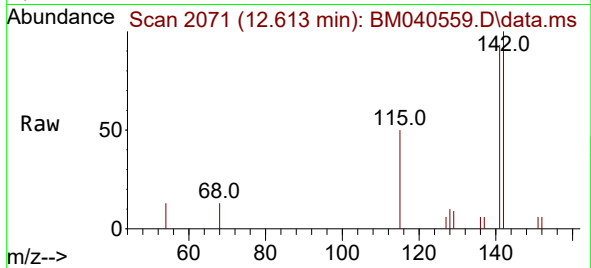




#8  
1-Methylnaphthalene  
Concen: 0.057 ng/ul  
RT: 12.613 min Scan# 2071  
Delta R.T. -0.012 min  
Lab File: BM040559.D  
Acq: 03 Jul 2023 03:29

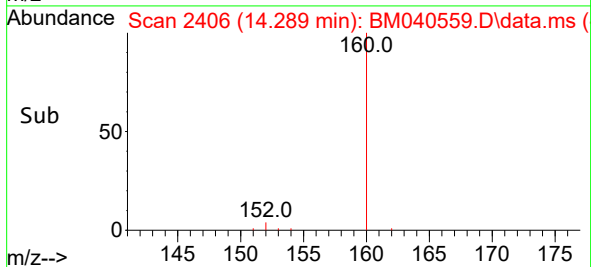
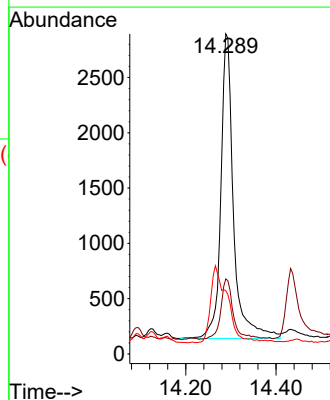
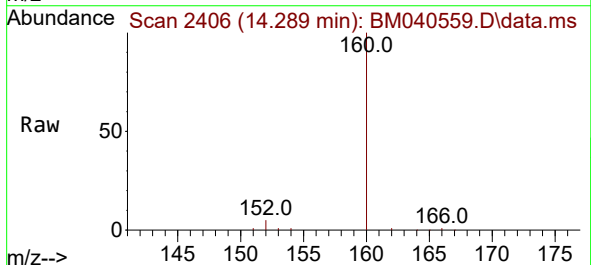
Instrument :  
BNA\_M  
ClientSampleId :  
DCGG2

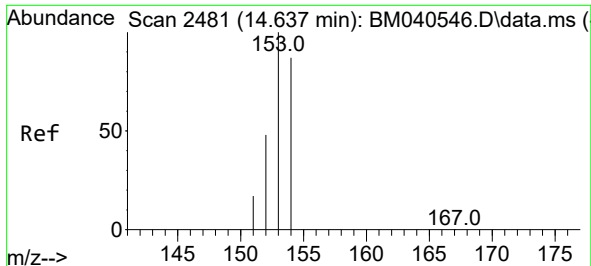
Tgt Ion:142 Resp: 2677  
Ion Ratio Lower Upper  
142 100  
141 94.4 73.7 110.5



#10  
Acenaphthylene  
Concen: 0.075 ng/ul  
RT: 14.289 min Scan# 2406  
Delta R.T. -0.011 min  
Lab File: BM040559.D  
Acq: 03 Jul 2023 03:29

Tgt Ion:152 Resp: 5349  
Ion Ratio Lower Upper  
152 100  
151 23.5 16.2 24.2  
153 19.8 10.9 16.3#

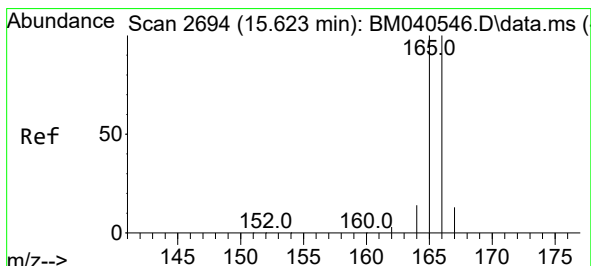
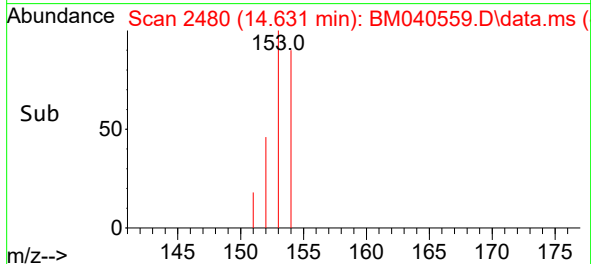
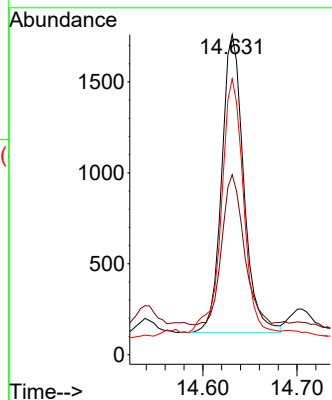
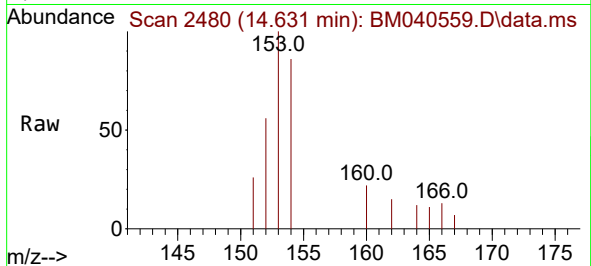




#11  
Acenaphthene  
Concen: 0.044 ng/ul  
RT: 14.631 min Scan# 2481  
Delta R.T. -0.011 min  
Lab File: BM040559.D  
Acq: 03 Jul 2023 03:29

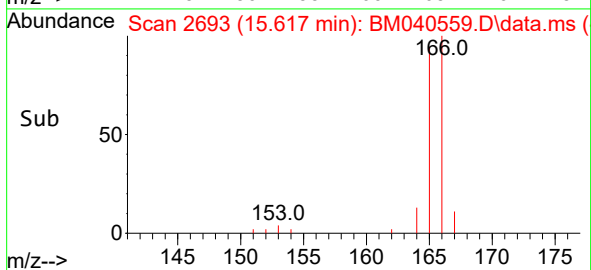
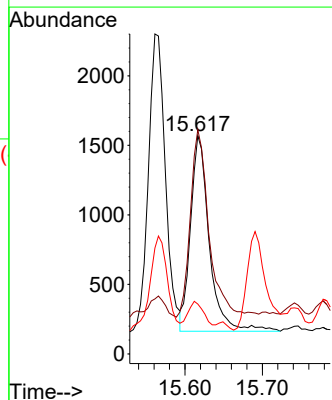
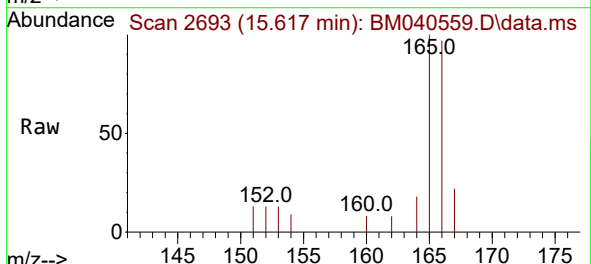
Instrument :  
BNA\_M  
ClientSampleId :  
DCGG2

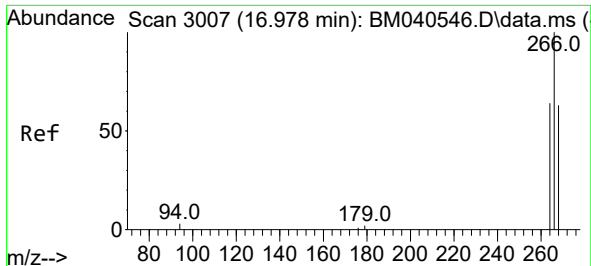
Tgt Ion:153 Resp: 2658  
Ion Ratio Lower Upper  
153 100  
152 56.3 41.0 61.4  
154 86.2 70.8 106.2



#12  
Fluorene  
Concen: 0.037 ng/ul  
RT: 15.617 min Scan# 2693  
Delta R.T. -0.015 min  
Lab File: BM040559.D  
Acq: 03 Jul 2023 03:29

Tgt Ion:166 Resp: 2342  
Ion Ratio Lower Upper  
166 100  
165 102.8 79.6 119.4  
167 22.9 11.4 17.0#

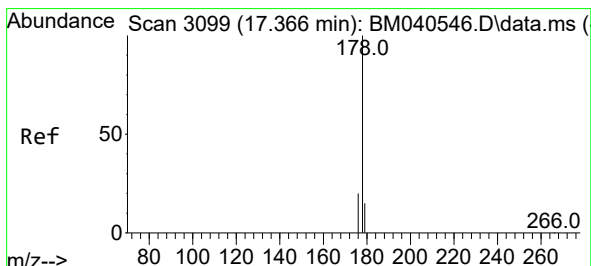
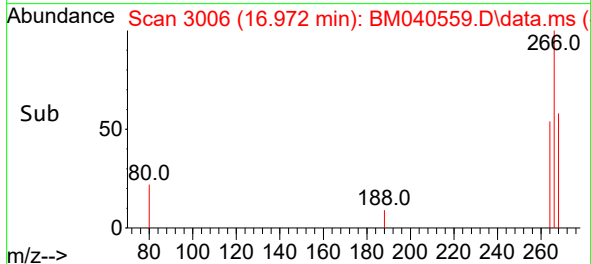
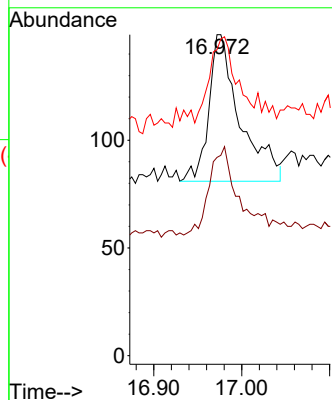
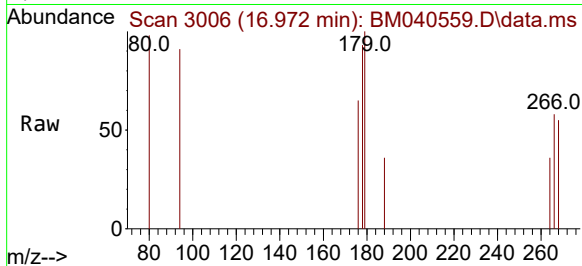




#14  
 Pentachlorophenol  
 Concen: 0.027 ng/ul  
 RT: 16.972 min Scan# 3006  
 Delta R.T. -0.010 min  
 Lab File: BM040559.D  
 Acq: 03 Jul 2023 03:29

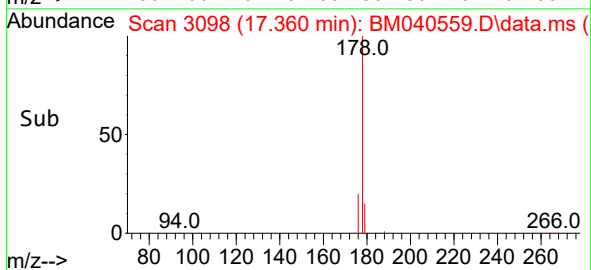
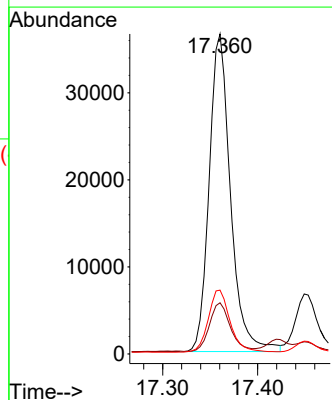
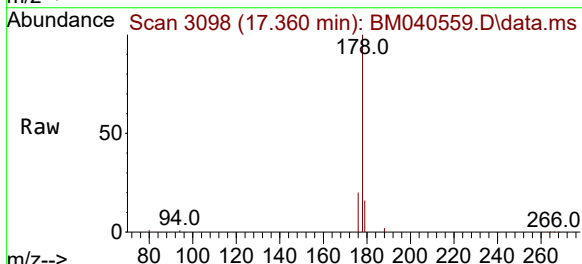
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 ClientSampleId :  
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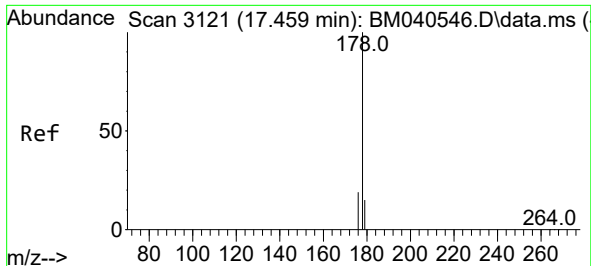
Tgt Ion:266 Resp: 168  
 Ion Ratio Lower Upper  
 266 100  
 264 61.3 45.4 68.0  
 268 61.9 47.2 70.8



#15  
 Phenanthrene  
 Concen: 0.574 ng/ul  
 RT: 17.360 min Scan# 3098  
 Delta R.T. -0.010 min  
 Lab File: BM040559.D  
 Acq: 03 Jul 2023 03:29

Tgt Ion:178 Resp: 57192  
 Ion Ratio Lower Upper  
 178 100  
 179 16.0 12.8 19.2  
 176 20.0 16.4 24.6

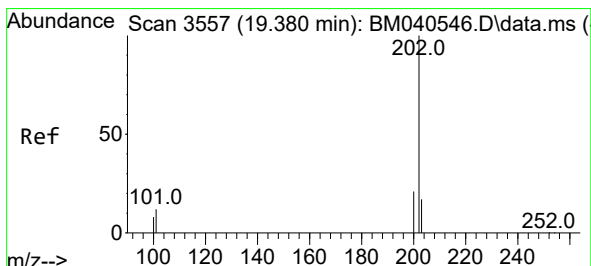
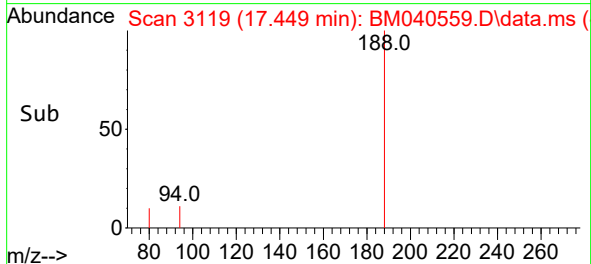
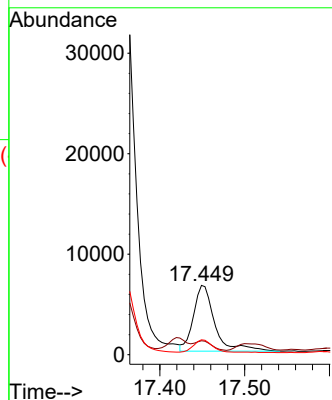
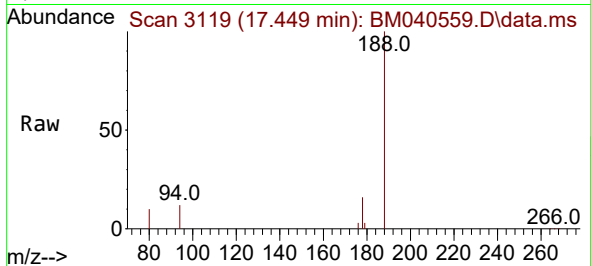




#16  
 Anthracene  
 Concen: 0.137 ng/ul  
 RT: 17.449 min Scan# 3121  
 Delta R.T. -0.014 min  
 Lab File: BM040559.D  
 Acq: 03 Jul 2023 03:29

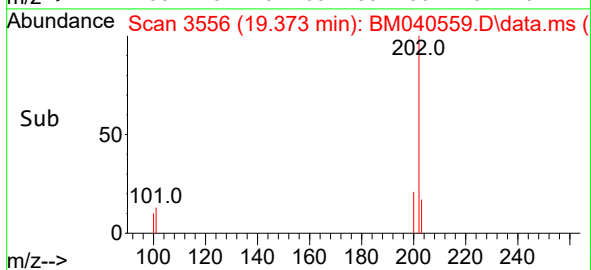
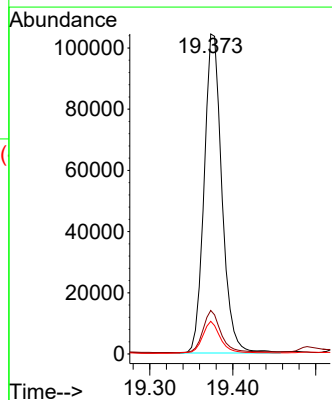
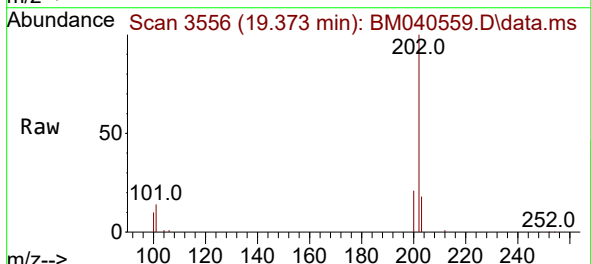
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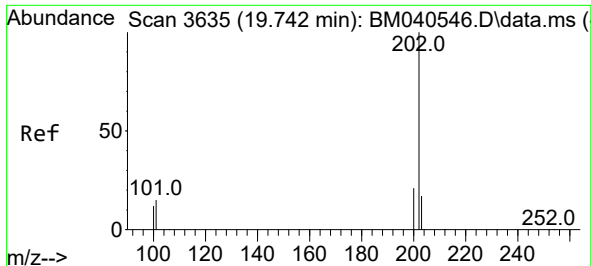
Tgt Ion:178 Resp: 11463  
 Ion Ratio Lower Upper  
 178 100  
 179 20.2 12.9 19.3#  
 176 21.5 15.8 23.6



#19  
 Fluoranthene  
 Concen: 1.899 ng/ul  
 RT: 19.373 min Scan# 3556  
 Delta R.T. -0.011 min  
 Lab File: BM040559.D  
 Acq: 03 Jul 2023 03:29

Tgt Ion:202 Resp: 155550  
 Ion Ratio Lower Upper  
 202 100  
 101 13.6 11.4 17.0  
 100 10.2 8.7 13.1

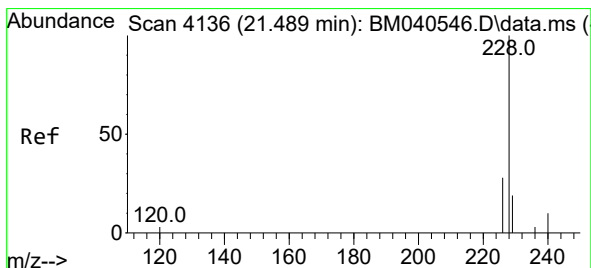
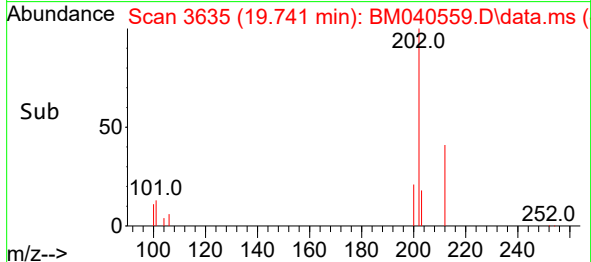
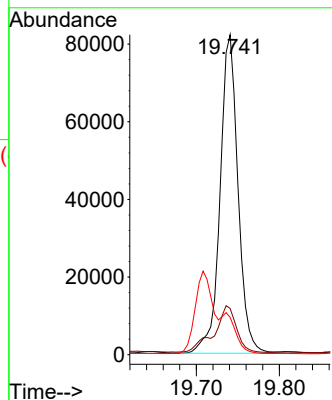
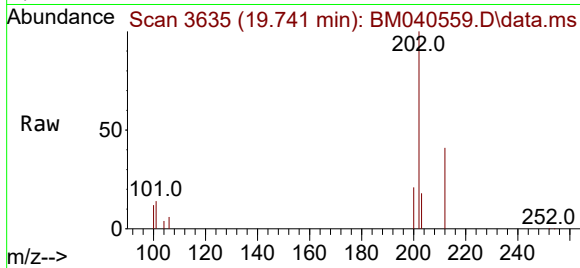




#20  
Pyrene  
Concen: 1.400 ng/ul  
RT: 19.741 min Scan# 3635  
Delta R.T. -0.006 min  
Lab File: BM040559.D  
Acq: 03 Jul 2023 03:29

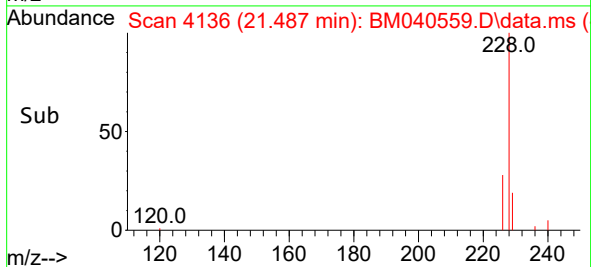
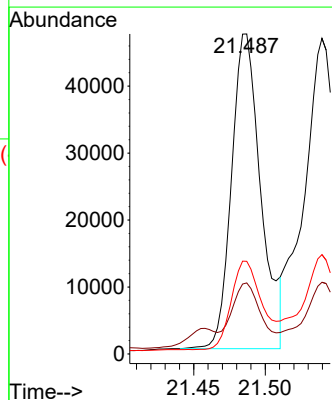
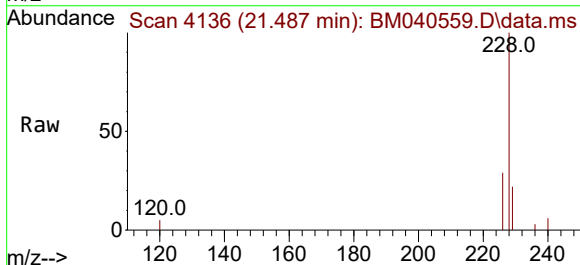
Instrument :  
BNA\_M  
ClientSampleId :  
DCGG2

Tgt Ion:202 Resp: 122926  
Ion Ratio Lower Upper  
202 100  
101 14.5 12.6 18.8  
100 11.7 9.8 14.6

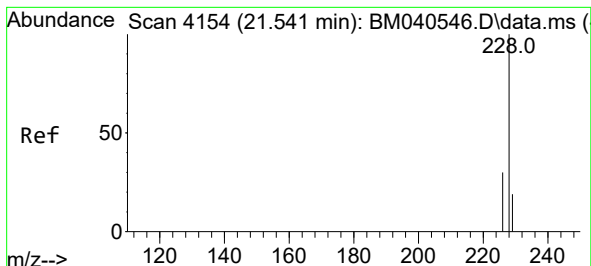


#21  
Benzo(a)anthracene  
Concen: 1.028 ng/ul  
RT: 21.487 min Scan# 4136  
Delta R.T. -0.004 min  
Lab File: BM040559.D  
Acq: 03 Jul 2023 03:29

Tgt Ion:228 Resp: 67072  
Ion Ratio Lower Upper  
228 100  
229 22.2 16.0 24.0  
226 28.9 22.3 33.5







#22

Chrysene

Concen: 1.003 ng/ul

RT: 21.540 min Scan# 41

Delta R.T. -0.004 min

Lab File: BM040559.D

Acq: 03 Jul 2023 03:29

Instrument :

BNA\_M

ClientSampleId :

DCGG2

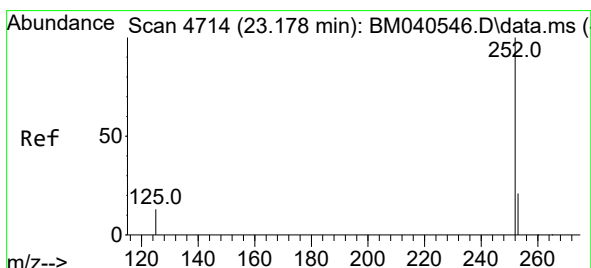
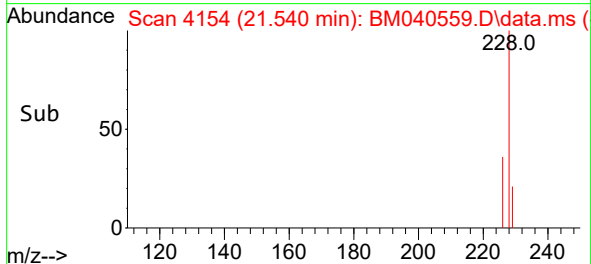
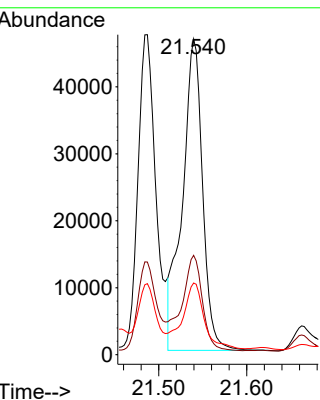
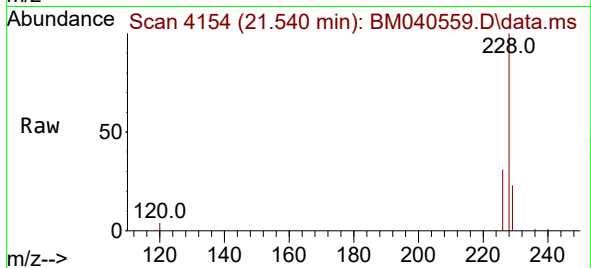
Tgt Ion:228 Resp: 74626

Ion Ratio Lower Upper

228 100

226 31.5 24.9 37.3

229 22.7 15.8 23.6



#24

Benzo(b)fluoranthene

Concen: 1.479 ng/ul

RT: 23.182 min Scan# 4716

Delta R.T. 0.002 min

Lab File: BM040559.D

Acq: 03 Jul 2023 03:29

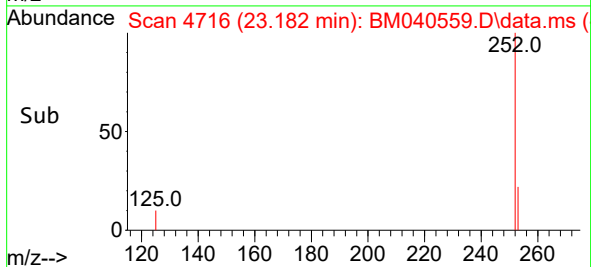
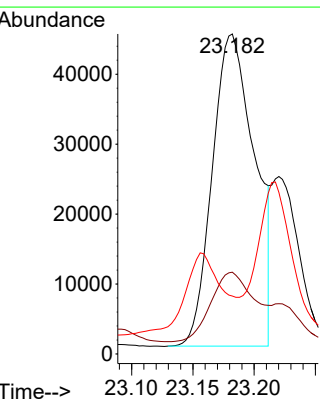
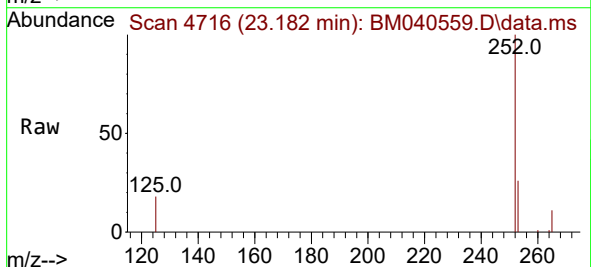
Tgt Ion:252 Resp: 107686

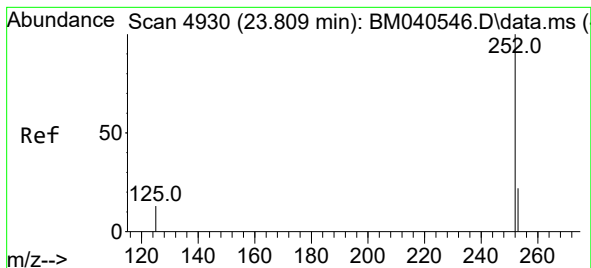
Ion Ratio Lower Upper

252 100

253 25.5 0.0 52.8

125 18.1 0.0 43.0





#26

Benzo(a)pyrene

Concen: 1.006 ng/ul

RT: 23.808 min Scan# 4930

Delta R.T. -0.004 min

Lab File: BM040559.D

Acq: 03 Jul 2023 03:29

Instrument :

BNA\_M

ClientSampleId :

DCGG2

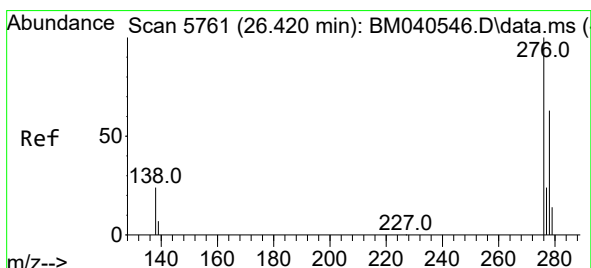
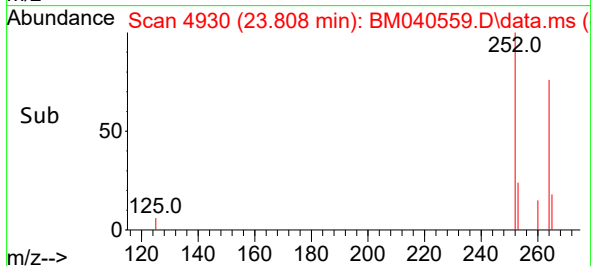
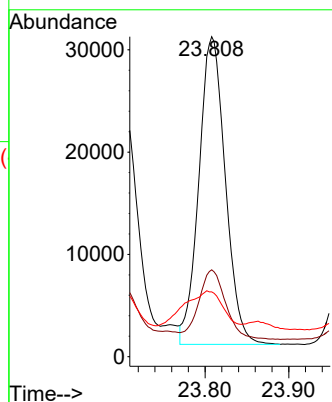
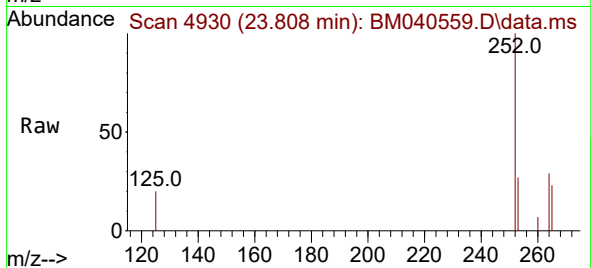
Tgt Ion:252 Resp: 66013

Ion Ratio Lower Upper

252 100

253 27.1 22.9 34.3

125 20.3 21.0 31.4#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.662 ng/ul

RT: 26.419 min Scan# 5761

Delta R.T. -0.001 min

Lab File: BM040559.D

Acq: 03 Jul 2023 03:29

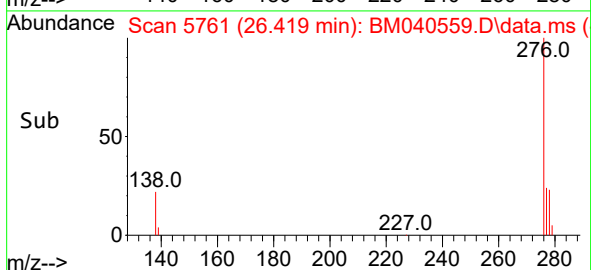
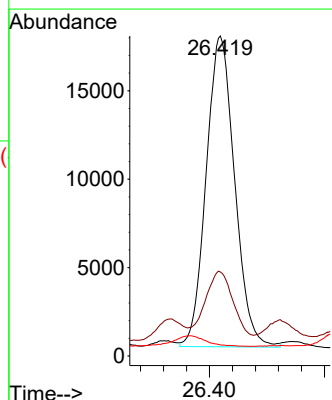
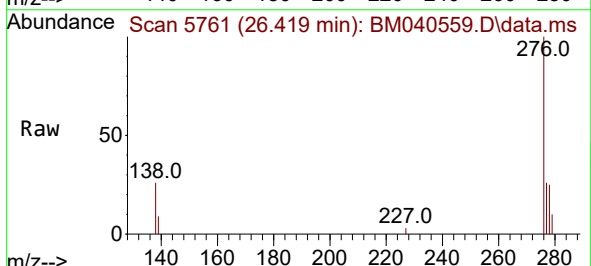
Tgt Ion:276 Resp: 60445

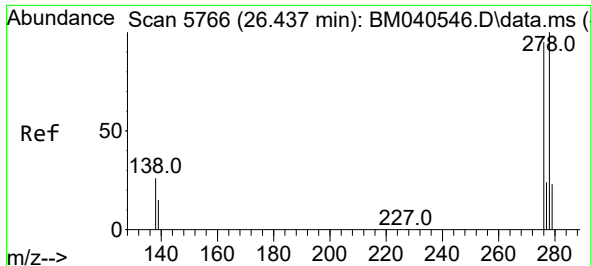
Ion Ratio Lower Upper

276 100

138 21.1 24.5 36.7#

227 0.0 0.1 0.1#

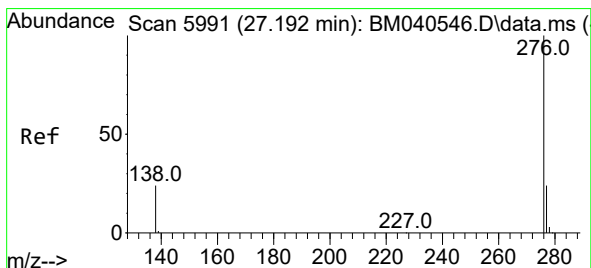
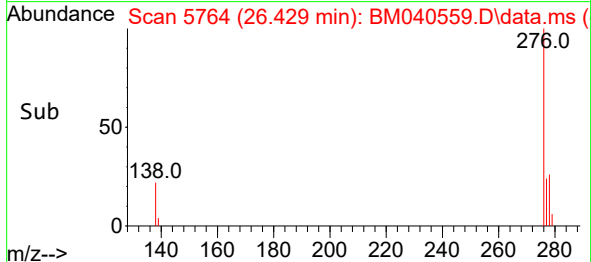
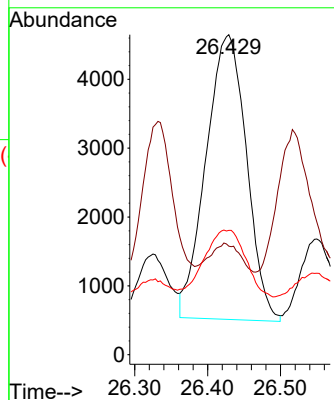
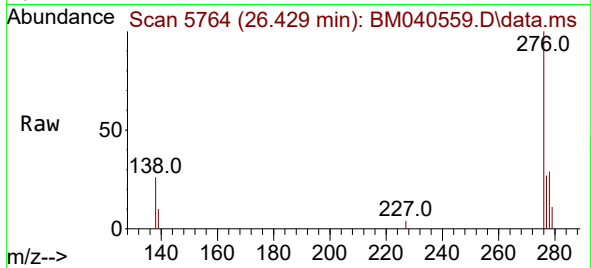




#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.223 ng/ul  
 RT: 26.429 min Scan# 51  
 Delta R.T. -0.008 min  
 Lab File: BM040559.D  
 Acq: 03 Jul 2023 03:29

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCGG2

Tgt Ion:278 Resp: 15961  
 Ion Ratio Lower Upper  
 278 100  
 139 33.9 17.9 26.9#  
 279 38.8 22.0 33.0#



#29  
 Benzo(g,h,i)perylene  
 Concen: 0.711 ng/ul  
 RT: 27.190 min Scan# 5991  
 Delta R.T. 0.005 min  
 Lab File: BM040559.D  
 Acq: 03 Jul 2023 03:29

Tgt Ion:276 Resp: 56899  
 Ion Ratio Lower Upper  
 276 100  
 138 28.2 23.0 34.6  
 277 26.0 20.3 30.5

