

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071524\  
 Data File : BM046638.D  
 Acq On : 16 Jul 2024 18:13  
 Operator : MA/JU  
 Sample : P3177-06  
 Misc :  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4BS4

Quant Time: Jul 17 00:39:01 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM071024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 15 08:57:27 2024  
 Response via : Initial Calibration

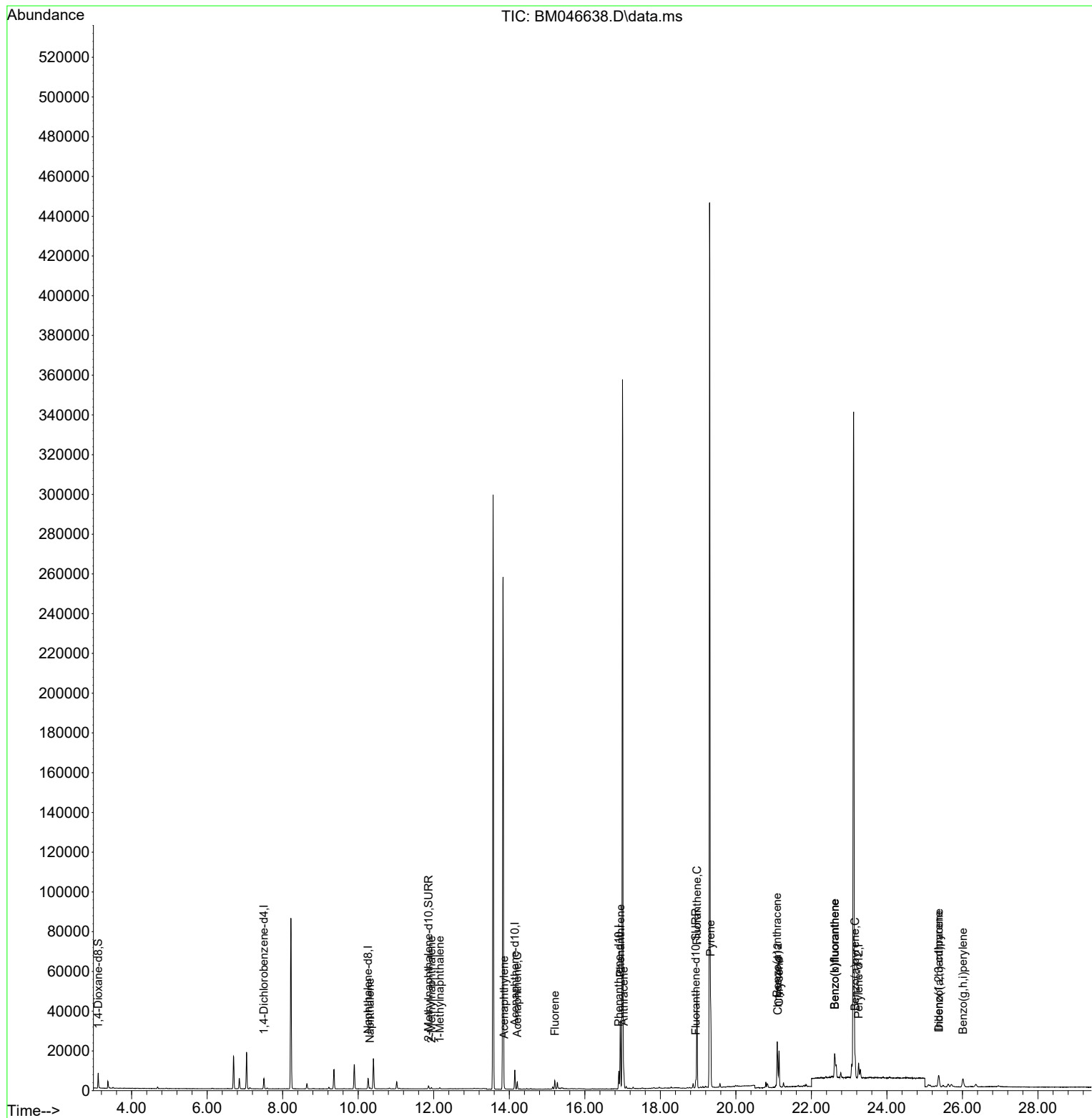
| Compound                    | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| -----                       |        |      |          |       |         |          |
| Internal Standards          |        |      |          |       |         |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.501  | 152  | 2521     | 0.400 | ng/ul   | 0.00     |
| 4) Naphthalene-d8           | 10.260 | 136  | 7211     | 0.400 | ng/ul # | 0.00     |
| 9) Acenaphthene-d10         | 14.146 | 164  | 5027     | 0.400 | ng/ul   | 0.00     |
| 13) Phenanthrene-d10        | 16.900 | 188  | 11009    | 0.400 | ng/ul   | 0.00     |
| 17) Chrysene-d12            | 21.108 | 240  | 8714     | 0.400 | ng/ul # | 0.00     |
| 23) Perylene-d12            | 23.250 | 264  | 8998     | 0.400 | ng/ul   | 0.00     |
|                             |        |      |          |       |         |          |
| System Monitoring Compounds |        |      |          |       |         |          |
| 3) 1,4-Dioxane-d8           | 3.113  | 96   | 4426     | 2.137 | ng/ul   | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.860 | 152  | 1915     | 0.165 | ng/ul   | 0.00     |
| 18) Fluoranthene-d10        | 18.942 | 212  | 4800     | 0.181 | ng/ul   | 0.00     |
|                             |        |      |          |       |         |          |
| Target Compounds            |        |      |          |       |         | Qvalue   |
| 5) Naphthalene              | 10.309 | 128  | 711      | 0.039 | ng/ul#  | 76       |
| 7) 2-Methylnaphthalene      | 11.937 | 142  | 426      | 0.033 | ng/ul   | 98       |
| 8) 1-Methylnaphthalene      | 12.157 | 142  | 411      | 0.031 | ng/ul   | 96       |
| 10) Acenaphthylene          | 13.864 | 152  | 984      | 0.043 | ng/ul#  | 76       |
| 11) Acenaphthene            | 14.211 | 153  | 2077     | 0.135 | ng/ul   | 98       |
| 12) Fluorene                | 15.205 | 166  | 2578     | 0.136 | ng/ul   | 97       |
| 15) Phenanthrene            | 16.943 | 178  | 34843    | 1.109 | ng/ul   | 99       |
| 16) Anthracene              | 17.031 | 178  | 8603     | 0.281 | ng/ul   | 99       |
| 19) Fluoranthene            | 18.969 | 202  | 43217    | 1.207 | ng/ul   | 100      |
| 20) Pyrene                  | 19.332 | 202  | 37066    | 0.956 | ng/ul   | 99       |
| 21) Benzo(a)anthracene      | 21.093 | 228  | 17799    | 0.462 | ng/ul   | 96       |
| 22) Chrysene                | 21.143 | 228  | 17033    | 0.457 | ng/ul   | 96       |
| 24) Benzo(b)fluoranthene    | 22.615 | 252  | 26481    | 0.737 | ng/ul   | 92       |
| 25) Benzo(k)fluoranthene    | 22.615 | 252  | 26481    | 0.750 | ng/ul#  | 91       |
| 26) Benzo(a)pyrene          | 23.156 | 252  | 13245    | 0.448 | ng/ul#  | 93       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.369 | 276  | 9468     | 0.210 | ng/ul#  | 100      |
| 28) Dibenzo(a,h)anthracene  | 25.380 | 278  | 2533     | 0.071 | ng/ul#  | 21       |
| 29) Benzo(g,h,i)perylene    | 26.013 | 276  | 8940     | 0.249 | ng/ul#  | 91       |
| -----                       |        |      |          |       |         |          |

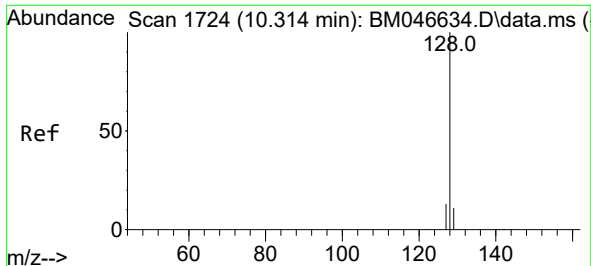
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071524\  
Data File : BM046638.D  
Acq On : 16 Jul 2024 18:13  
Operator : MA/JU  
Sample : P3177-06  
Misc :  
ALS Vial : 50 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4BS4

Quant Time: Jul 17 00:39:01 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM071024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 15 08:57:27 2024  
Response via : Initial Calibration

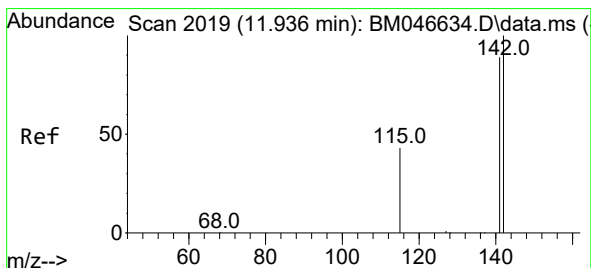
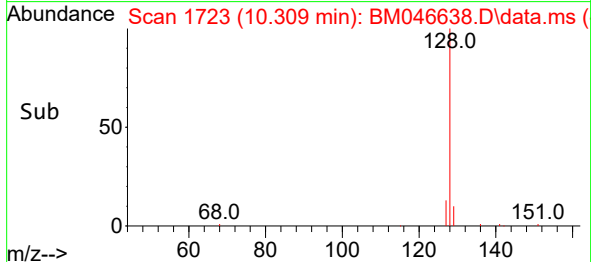
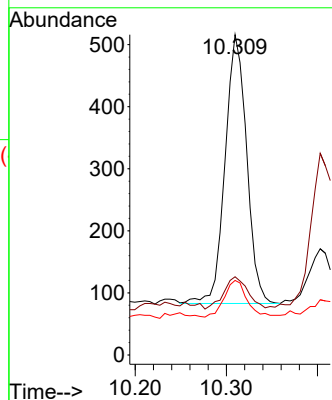
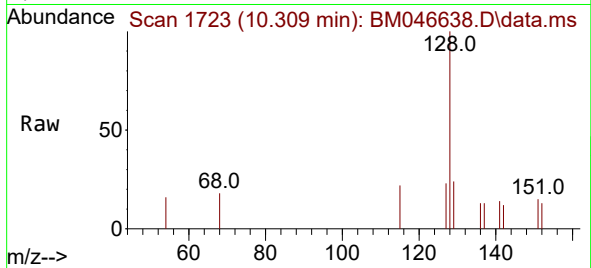




#5  
Naphthalene  
Concen: 0.039 ng/ul  
RT: 10.309 min Scan# 1723  
Delta R.T. -0.006 min  
Lab File: BM046638.D  
Acq: 16 Jul 2024 18:13

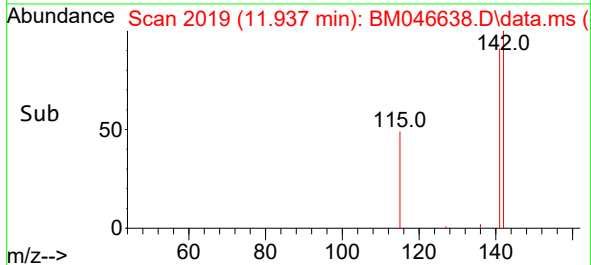
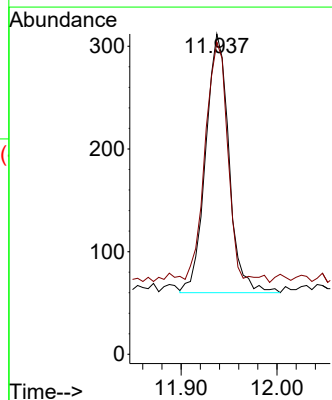
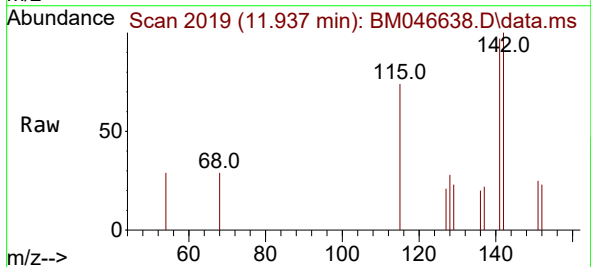
Instrument :  
BNA\_M  
ClientSampleId :  
A4BS4

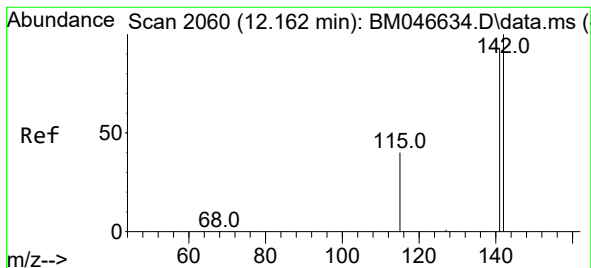
Tgt Ion:128 Resp: 711  
Ion Ratio Lower Upper  
128 100  
129 24.4 10.3 15.5#  
127 23.3 12.2 18.4#



#7  
2-Methylnaphthalene  
Concen: 0.033 ng/ul  
RT: 11.937 min Scan# 2019  
Delta R.T. -0.006 min  
Lab File: BM046638.D  
Acq: 16 Jul 2024 18:13

Tgt Ion:142 Resp: 426  
Ion Ratio Lower Upper  
142 100  
141 90.1 70.3 105.5





#8

1-Methylnaphthalene

Concen: 0.031 ng/ul

RT: 12.157 min Scan# 2060

Delta R.T. -0.006 min

Lab File: BM046638.D

Acq: 16 Jul 2024 18:13

Instrument :

BNA\_M

ClientSampleId :

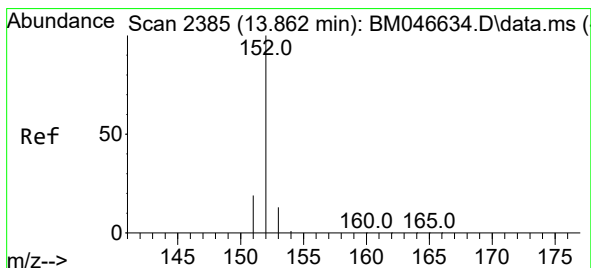
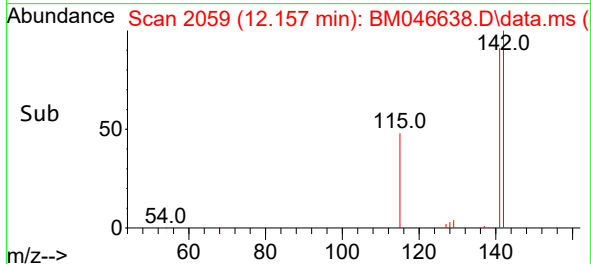
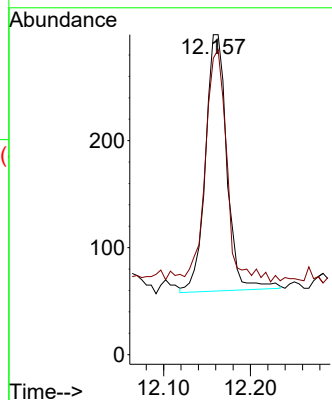
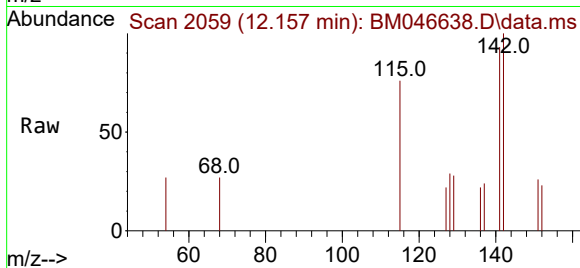
A4BS4

Tgt Ion:142 Resp: 411

Ion Ratio Lower Upper

142 100

141 89.1 73.9 110.9



#10

Acenaphthylene

Concen: 0.043 ng/ul

RT: 13.864 min Scan# 2385

Delta R.T. -0.001 min

Lab File: BM046638.D

Acq: 16 Jul 2024 18:13

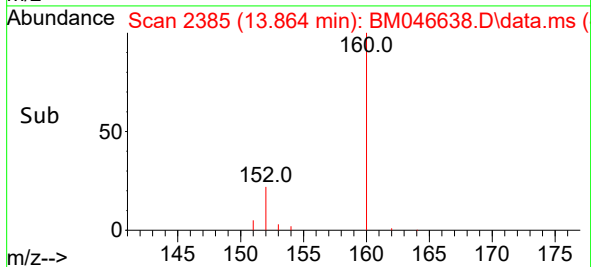
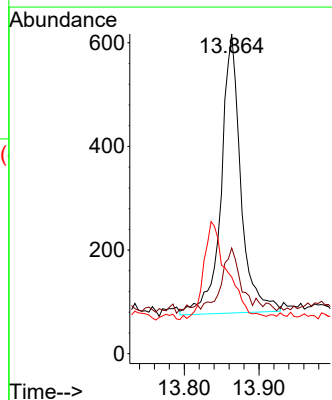
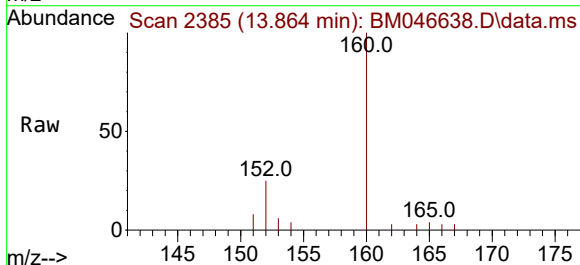
Tgt Ion:152 Resp: 984

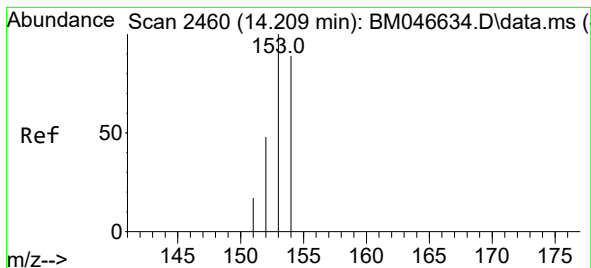
Ion Ratio Lower Upper

152 100

151 33.1 16.4 24.6#

153 24.0 12.4 18.6#





#11

Acenaphthene

Concen: 0.135 ng/ul

RT: 14.211 min Scan# 2460

Delta R.T. -0.001 min

Lab File: BM046638.D

Acq: 16 Jul 2024 18:13

Instrument :

BNA\_M

ClientSampleId :

A4BS4

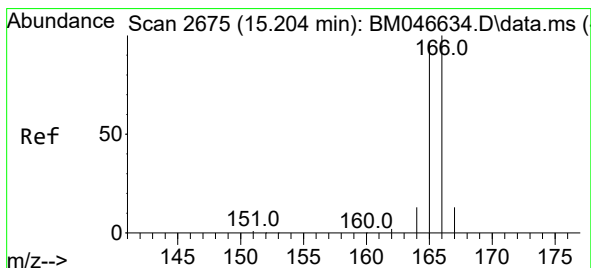
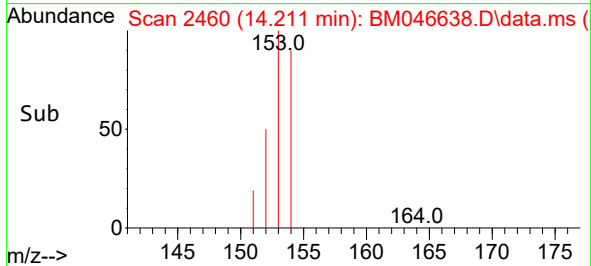
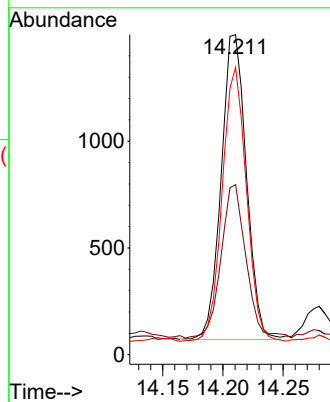
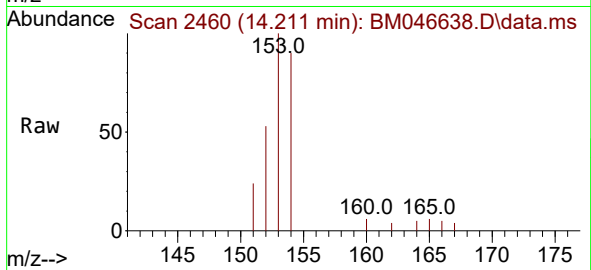
Tgt Ion:153 Resp: 2077

Ion Ratio Lower Upper

153 100

152 53.2 43.0 64.6

154 89.8 69.9 104.9



#12

Fluorene

Concen: 0.136 ng/ul

RT: 15.205 min Scan# 2675

Delta R.T. -0.001 min

Lab File: BM046638.D

Acq: 16 Jul 2024 18:13

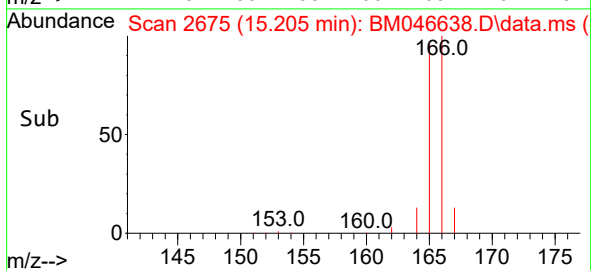
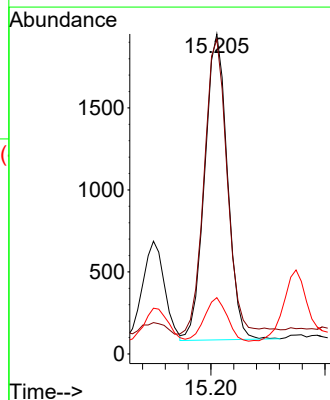
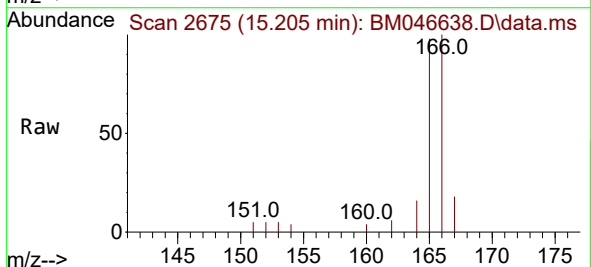
Tgt Ion:166 Resp: 2578

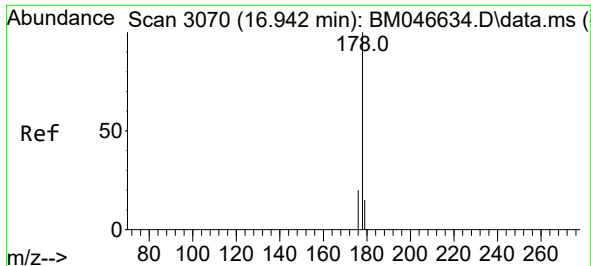
Ion Ratio Lower Upper

166 100

165 98.3 76.1 114.1

167 17.6 12.5 18.7

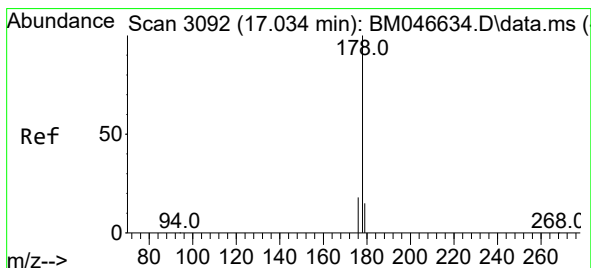
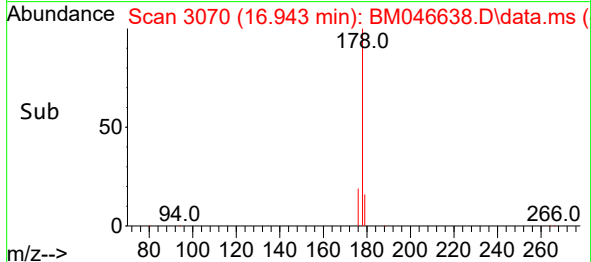
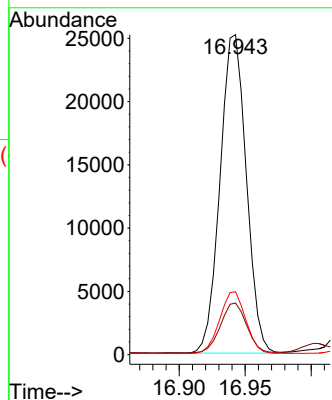
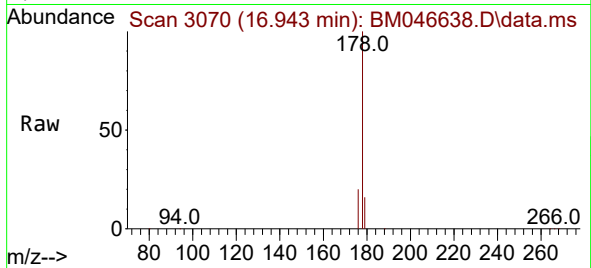




#15  
Phenanthrene  
Concen: 1.109 ng/ul  
RT: 16.943 min Scan# 3070  
Delta R.T. -0.001 min  
Lab File: BM046638.D  
Acq: 16 Jul 2024 18:13

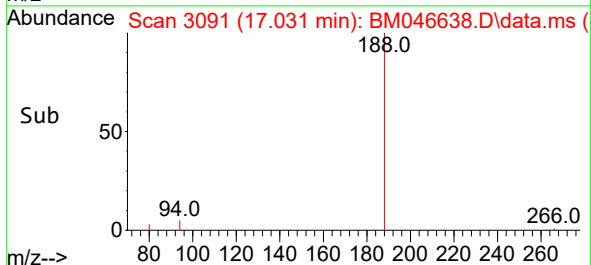
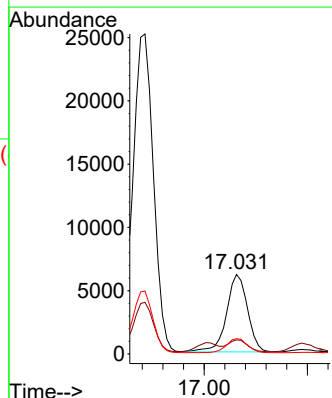
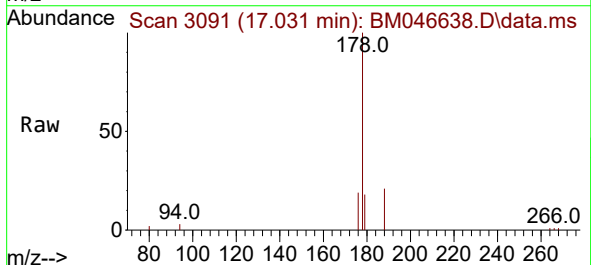
Instrument :  
BNA\_M  
ClientSampleId :  
A4BS4

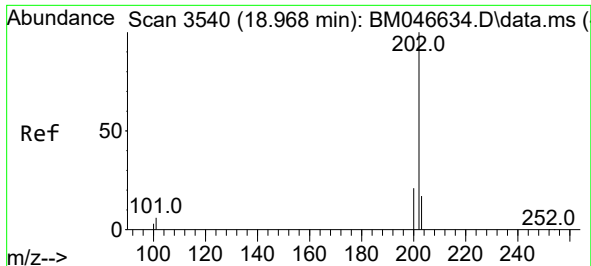
Tgt Ion:178 Resp: 34843  
Ion Ratio Lower Upper  
178 100  
179 16.1 13.1 19.7  
176 19.6 16.0 24.0



#16  
Anthracene  
Concen: 0.281 ng/ul  
RT: 17.031 min Scan# 3091  
Delta R.T. -0.000 min  
Lab File: BM046638.D  
Acq: 16 Jul 2024 18:13

Tgt Ion:178 Resp: 8603  
Ion Ratio Lower Upper  
178 100  
179 17.6 13.5 20.3  
176 19.1 15.7 23.5

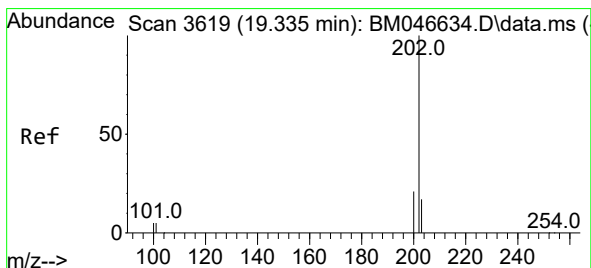
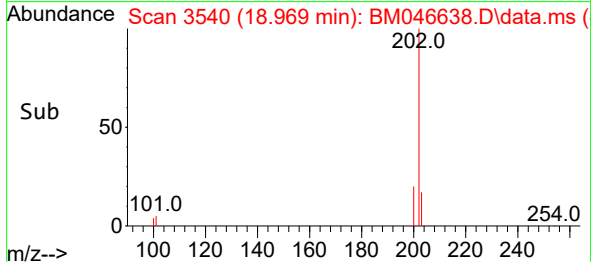
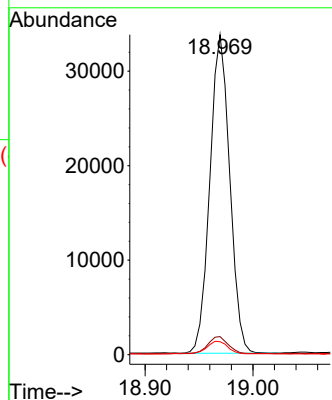
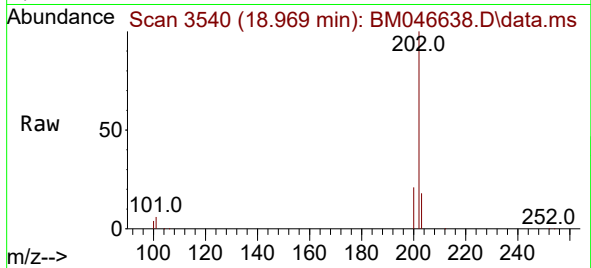




#19  
Fluoranthene  
Concen: 1.207 ng/ul  
RT: 18.969 min Scan# 3540  
Delta R.T. -0.001 min  
Lab File: BM046638.D  
Acq: 16 Jul 2024 18:13

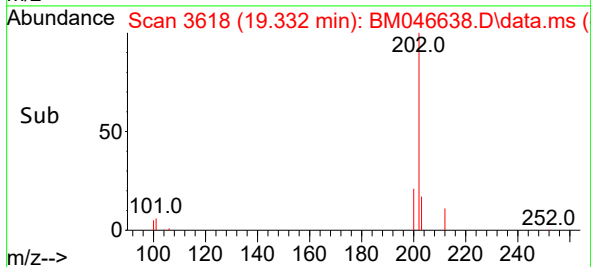
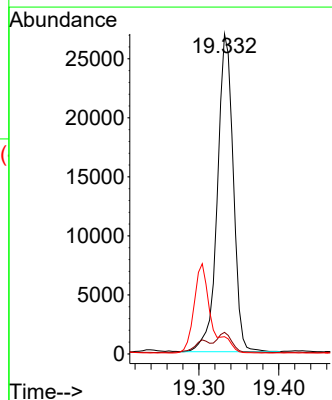
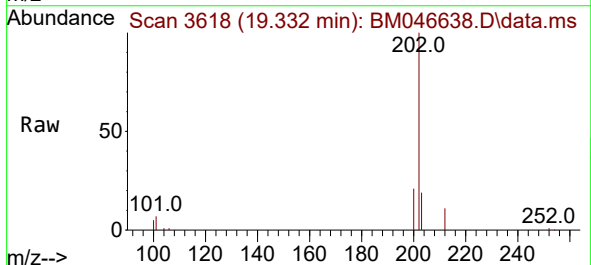
Instrument :  
BNA\_M  
ClientSampleId :  
A4BS4

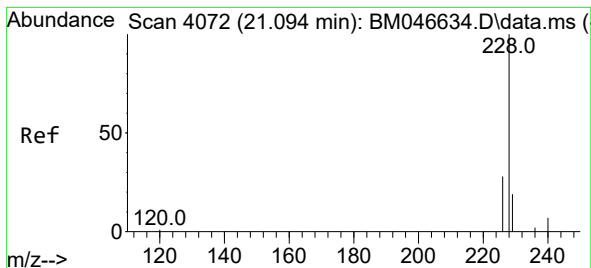
Tgt Ion:202 Resp: 43217  
Ion Ratio Lower Upper  
202 100  
101 5.7 4.6 6.8  
100 4.1 3.0 4.6



#20  
Pyrene  
Concen: 0.956 ng/ul  
RT: 19.332 min Scan# 3618  
Delta R.T. -0.001 min  
Lab File: BM046638.D  
Acq: 16 Jul 2024 18:13

Tgt Ion:202 Resp: 37066  
Ion Ratio Lower Upper  
202 100  
101 6.7 5.1 7.7  
100 5.4 3.8 5.6





#21

Benzo(a)anthracene

Concen: 0.462 ng/ul

RT: 21.093 min Scan# 4072

Delta R.T. 0.005 min

Lab File: BM046638.D

Acq: 16 Jul 2024 18:13

Instrument :

BNA\_M

ClientSampleId :

A4BS4

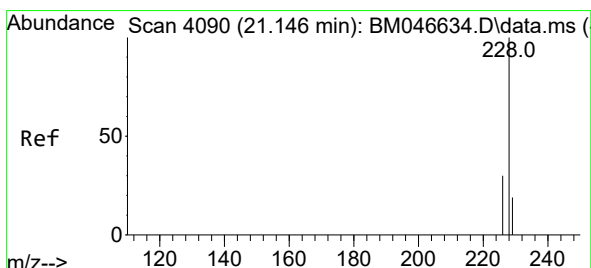
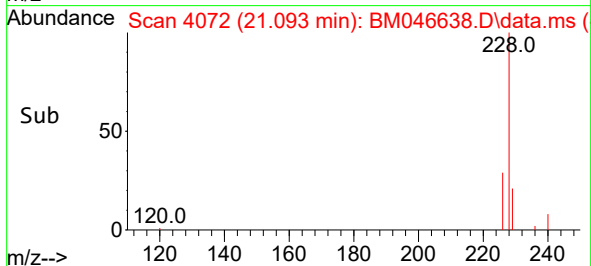
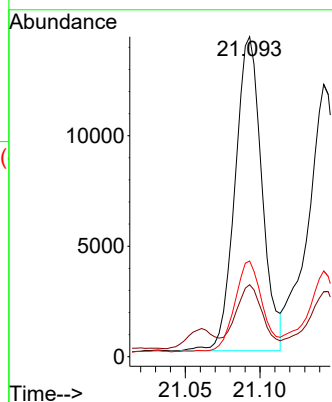
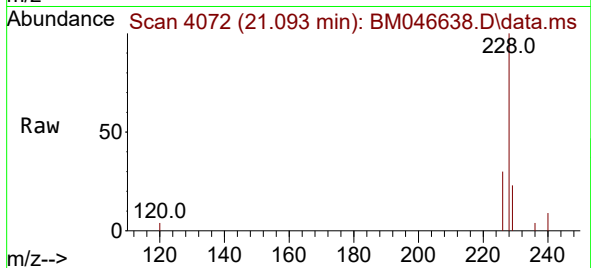
Tgt Ion:228 Resp: 17799

Ion Ratio Lower Upper

228 100

229 22.5 16.5 24.7

226 29.9 22.5 33.7



#22

Chrysene

Concen: 0.457 ng/ul

RT: 21.143 min Scan# 4089

Delta R.T. 0.002 min

Lab File: BM046638.D

Acq: 16 Jul 2024 18:13

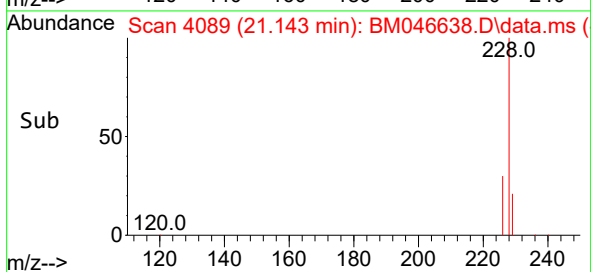
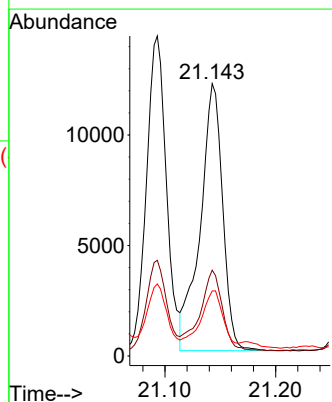
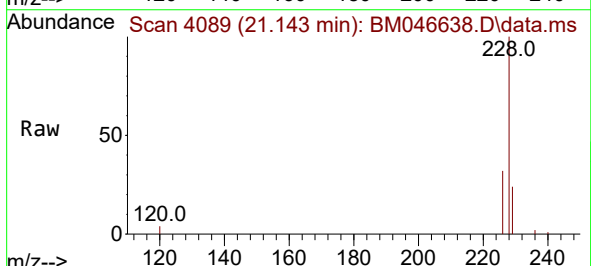
Tgt Ion:228 Resp: 17033

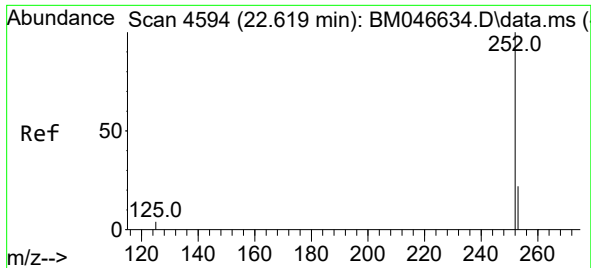
Ion Ratio Lower Upper

228 100

226 31.5 24.3 36.5

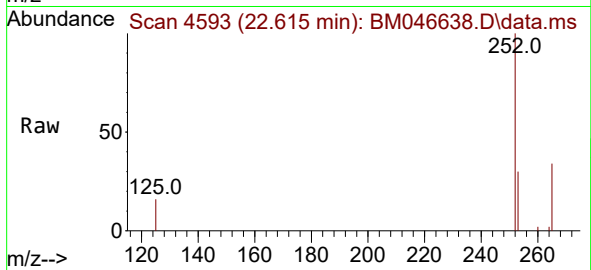
229 23.9 16.4 24.6



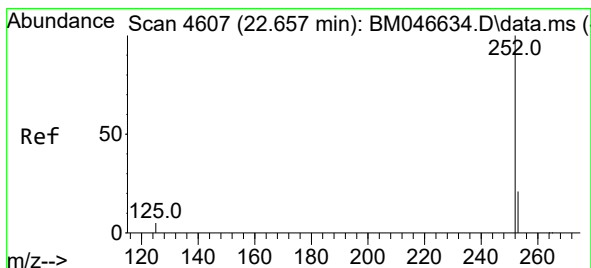
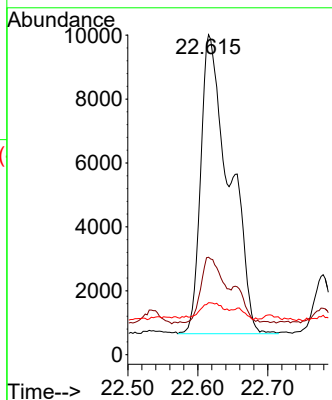


#24  
Benzo(b)fluoranthene  
Concen: 0.737 ng/ul  
RT: 22.615 min Scan# 4593  
Delta R.T. 0.005 min  
Lab File: BM046638.D  
Acq: 16 Jul 2024 18:13

Instrument :  
BNA\_M  
ClientSampleId :  
A4BS4

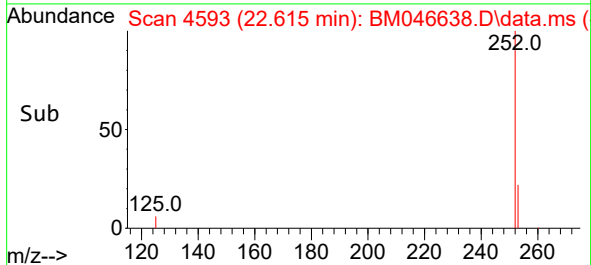
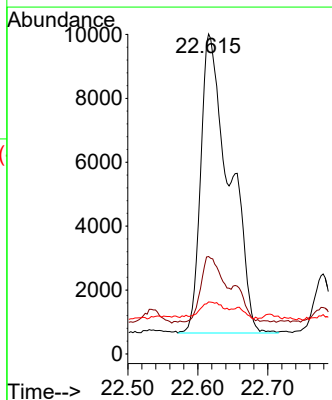
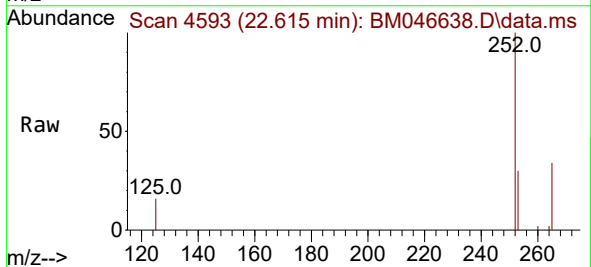


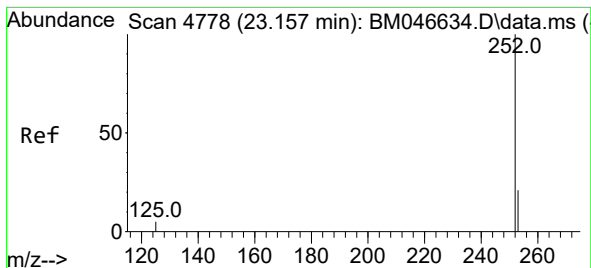
Tgt Ion:252 Resp: 26481  
Ion Ratio Lower Upper  
252 100  
253 30.5 0.0 56.2  
125 16.3 0.0 17.8



#25  
Benzo(k)fluoranthene  
Concen: 0.750 ng/ul  
RT: 22.615 min Scan# 4593  
Delta R.T. -0.036 min  
Lab File: BM046638.D  
Acq: 16 Jul 2024 18:13

Tgt Ion:252 Resp: 26481  
Ion Ratio Lower Upper  
252 100  
253 30.5 22.4 33.6  
125 16.3 7.0 10.4#





#26

Benzo(a)pyrene

Concen: 0.448 ng/ul

RT: 23.156 min Scan# 41

Delta R.T. 0.005 min

Lab File: BM046638.D

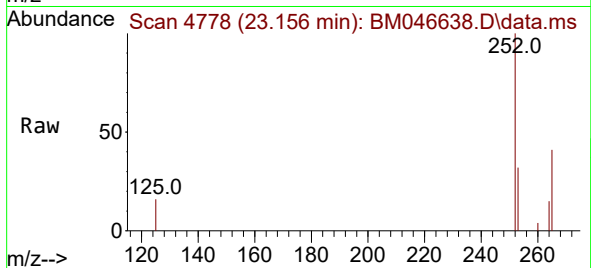
Acq: 16 Jul 2024 18:13

Instrument :

BNA\_M

ClientSampleId :

A4BS4



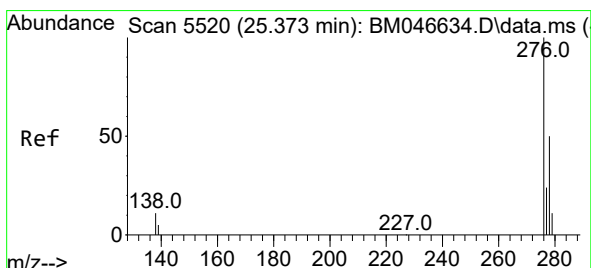
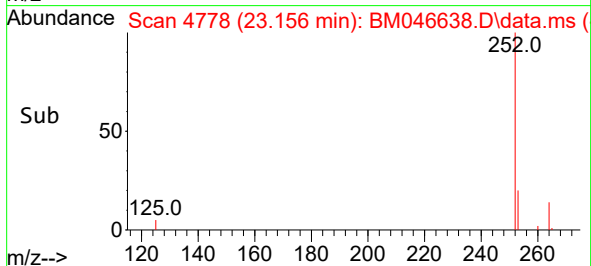
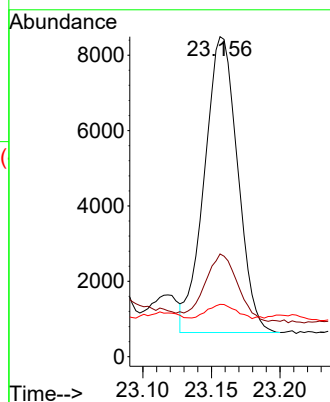
Tgt Ion:252 Resp: 13245

Ion Ratio Lower Upper

252 100

253 32.1 24.0 36.0

125 16.3 8.2 12.2#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.210 ng/ul

RT: 25.369 min Scan# 5519

Delta R.T. 0.010 min

Lab File: BM046638.D

Acq: 16 Jul 2024 18:13

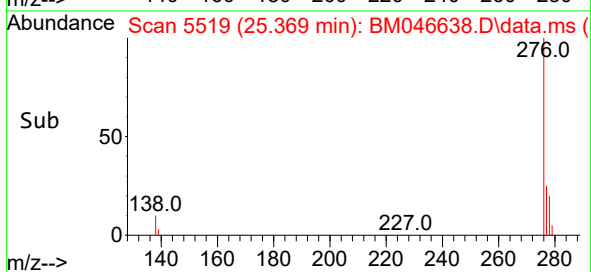
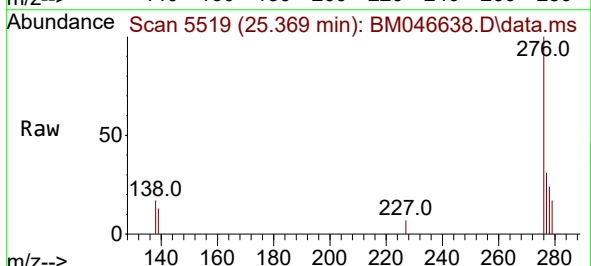
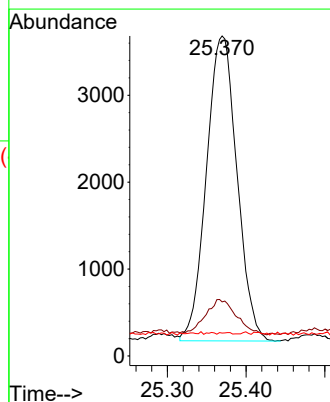
Tgt Ion:276 Resp: 9468

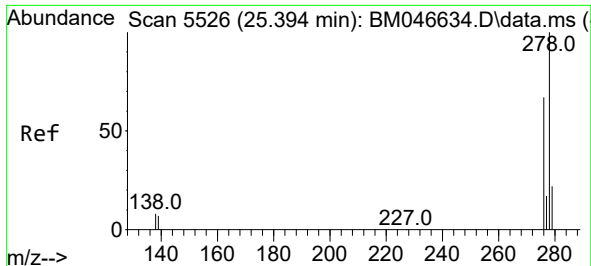
Ion Ratio Lower Upper

276 100

138 11.8 0.0 0.0#

227 0.3 0.2 0.2#

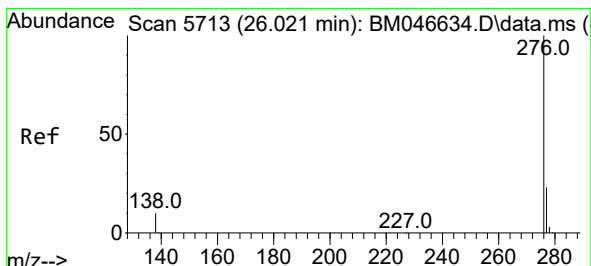
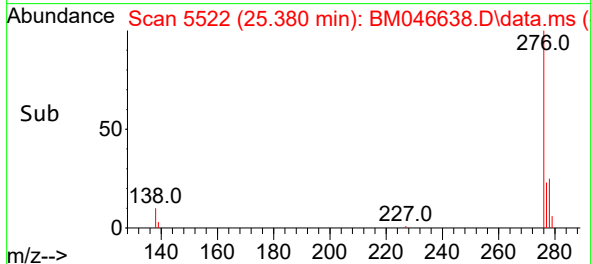
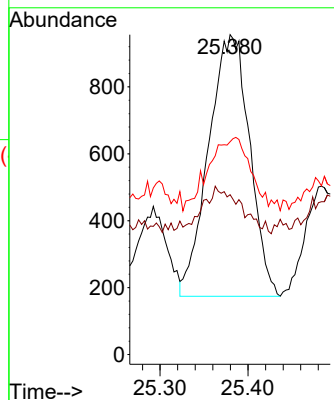
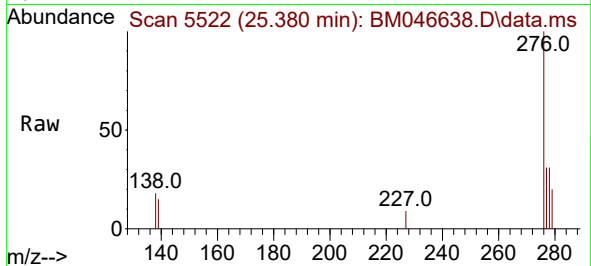




#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.071 ng/ul  
 RT: 25.380 min Scan# 51  
 Delta R.T. -0.004 min  
 Lab File: BM046638.D  
 Acq: 16 Jul 2024 18:13

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4BS4

Tgt Ion:278 Resp: 2533  
 Ion Ratio Lower Upper  
 278 100  
 139 50.0 9.1 13.7#  
 279 66.5 23.2 34.8#



#29  
 Benzo(g,h,i)perylene  
 Concen: 0.249 ng/ul  
 RT: 26.013 min Scan# 5711  
 Delta R.T. 0.010 min  
 Lab File: BM046638.D  
 Acq: 16 Jul 2024 18:13

Tgt Ion:276 Resp: 8940  
 Ion Ratio Lower Upper  
 276 100  
 138 18.1 10.2 15.4#  
 277 29.6 20.9 31.3

