

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072423\  
 Data File : BM041098.D  
 Acq On : 25 Jul 2023 10:13  
 Operator : MA/JU  
 Sample : 03534-09  
 Misc :  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A4721

Quant Time: Jul 26 04:21:36 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM072423.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 26 04:20:13 2023  
 Response via : Initial Calibration

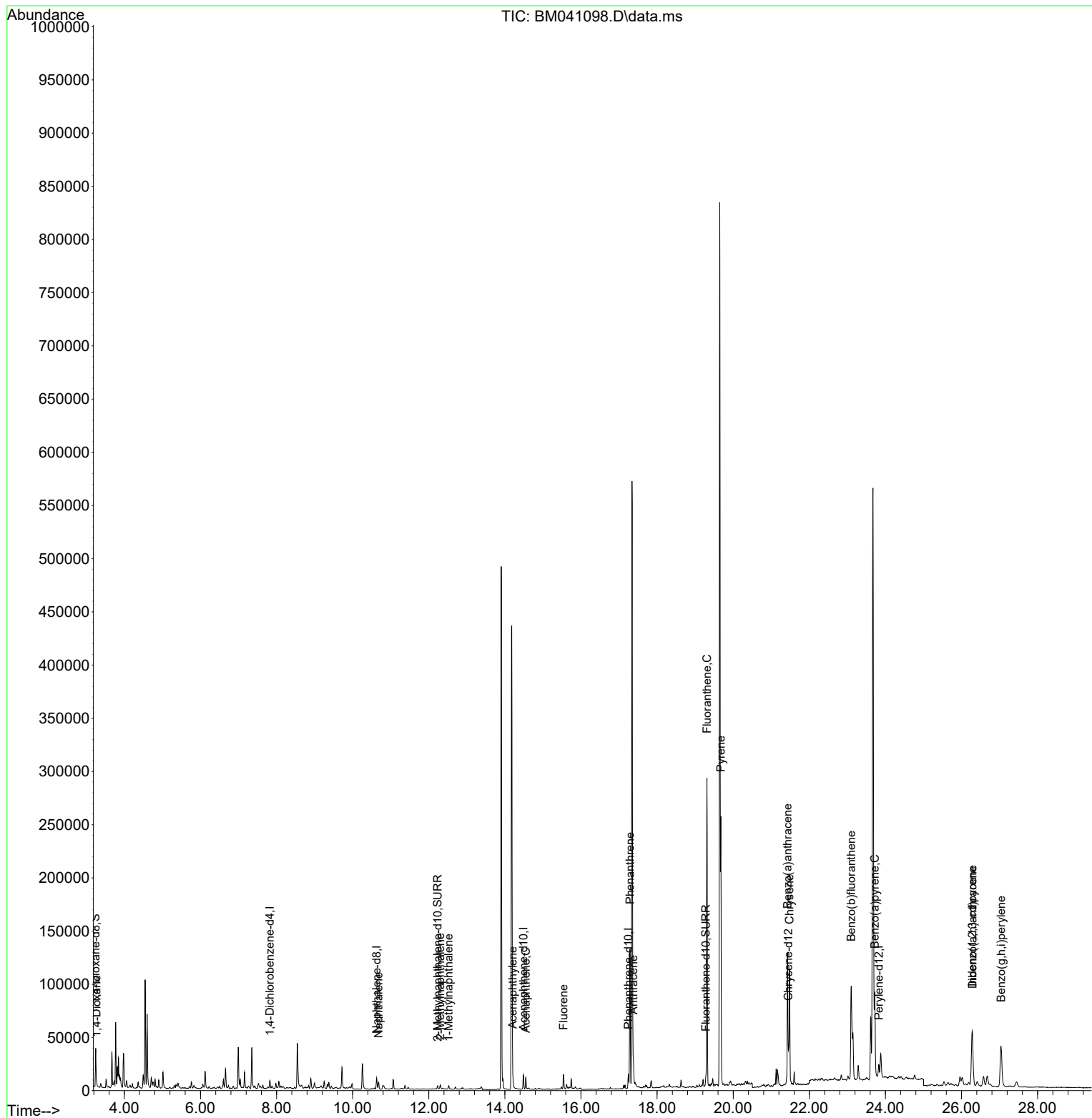
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.824  | 152  | 4132     | 0.400 | ng/ul  | -0.01    |
| 4) Naphthalene-d8           | 10.631 | 136  | 13930    | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.486 | 164  | 7175     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.244 | 188  | 17229    | 0.400 | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.445 | 240  | 12958    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.828 | 264  | 16408    | 0.400 | ng/ul  | # 0.00   |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.246  | 96   | 20797    | 3.263 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.231 | 152  | 4670     | 0.235 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.283 | 212  | 9857     | 0.279 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        | Qvalue   |
| 2) 1,4-Dioxane              | 3.271  | 88   | 548      | 0.084 | ng/ul# | 1        |
| 5) Naphthalene              | 10.680 | 128  | 8711     | 0.192 | ng/ul  | 100      |
| 7) 2-Methylnaphthalene      | 12.303 | 142  | 3114     | 0.140 | ng/ul  | 96       |
| 8) 1-Methylnaphthalene      | 12.523 | 142  | 2332     | 0.102 | ng/ul  | 98       |
| 10) Acenaphthylene          | 14.208 | 152  | 8173     | 0.270 | ng/ul  | 97       |
| 11) Acenaphthene            | 14.551 | 153  | 6215     | 0.243 | ng/ul  | 99       |
| 12) Fluorene                | 15.541 | 166  | 8331     | 0.298 | ng/ul  | 98       |
| 15) Phenanthrene            | 17.287 | 178  | 133753   | 2.518 | ng/ul  | 98       |
| 16) Anthracene              | 17.379 | 178  | 23126    | 0.538 | ng/ul  | 98       |
| 19) Fluoranthene            | 19.311 | 202  | 241035   | 5.190 | ng/ul  | 97       |
| 20) Pyrene                  | 19.673 | 202  | 203314   | 3.970 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.428 | 228  | 100260   | 2.314 | ng/ul  | 98       |
| 22) Chrysene                | 21.481 | 228  | 106691   | 2.132 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 23.103 | 252  | 153175   | 2.343 | ng/ul  | 93       |
| 26) Benzo(a)pyrene          | 23.719 | 252  | 105674   | 1.995 | ng/ul# | 85       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.280 | 276  | 90699    | 1.157 | ng/ul# | 93       |
| 28) Dibenzo(a,h)anthracene  | 26.287 | 278  | 21051    | 0.342 | ng/ul# | 88       |
| 29) Benzo(g,h,i)perylene    | 27.038 | 276  | 85582    | 1.221 | ng/ul  | 98       |
| -----                       |        |      |          |       |        |          |

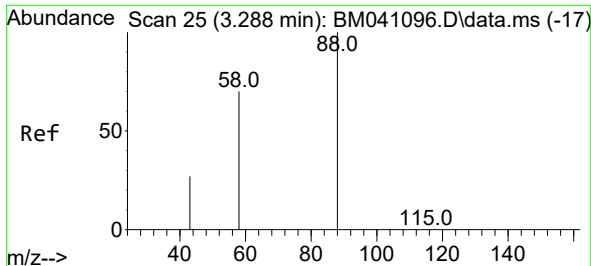
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072423\  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 26 04:20:13 2023  
Response via : Initial Calibration

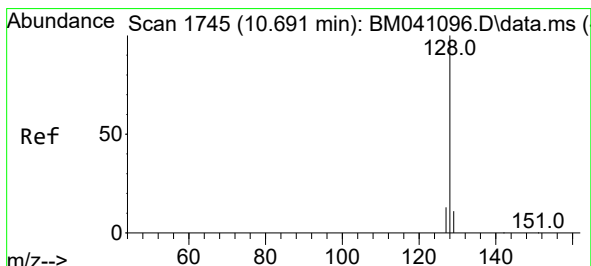
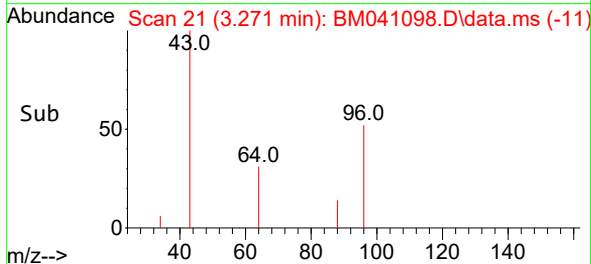
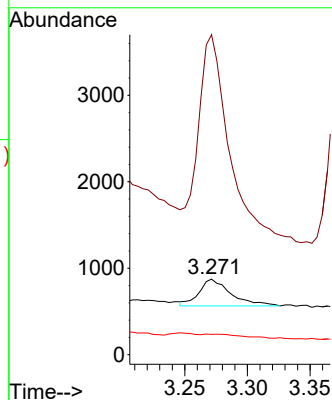
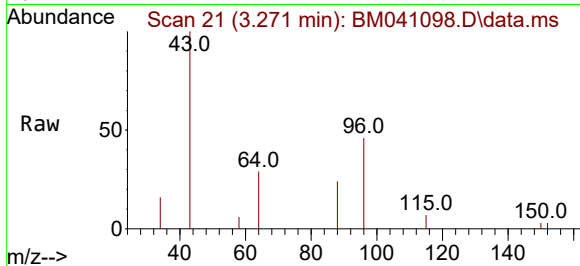




#2  
1,4-Dioxane  
Concen: 0.084 ng/ul  
RT: 3.271 min Scan# 21  
Delta R.T. -0.017 min  
Lab File: BM041098.D  
Acq: 25 Jul 2023 10:13

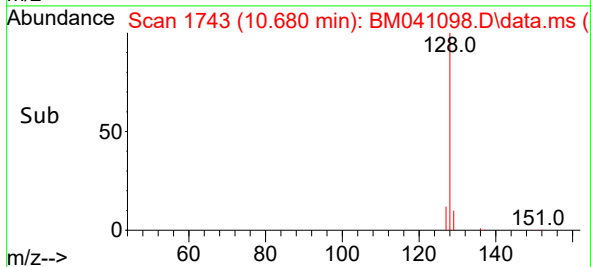
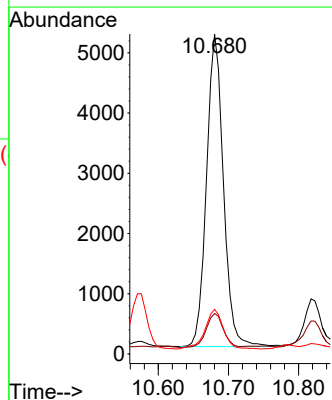
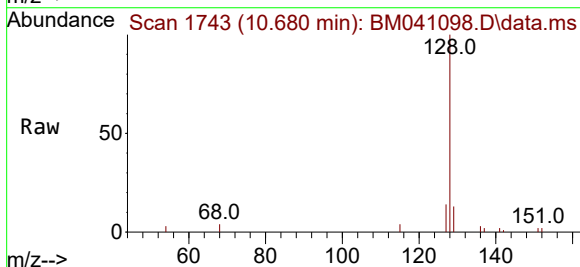
Instrument :  
BNA\_P  
ClientSampleId :  
A4721

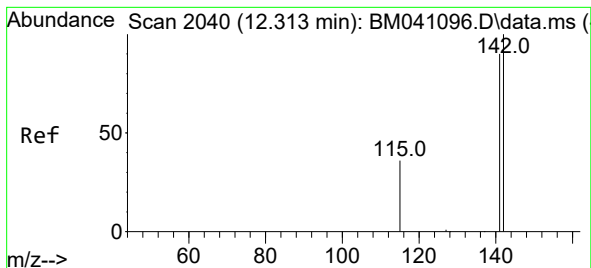
Tgt Ion: 88 Resp: 548  
Ion Ratio Lower Upper  
88 100  
43 423.5 83.1 124.7#  
58 27.0 38.8 58.2#



#5  
Naphthalene  
Concen: 0.192 ng/ul  
RT: 10.680 min Scan# 1743  
Delta R.T. -0.011 min  
Lab File: BM041098.D  
Acq: 25 Jul 2023 10:13

Tgt Ion: 128 Resp: 8711  
Ion Ratio Lower Upper  
128 100  
129 12.6 9.8 14.8  
127 13.9 11.1 16.7

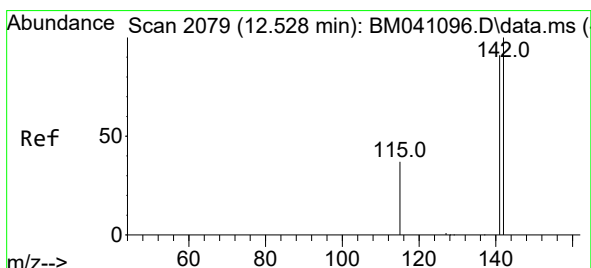
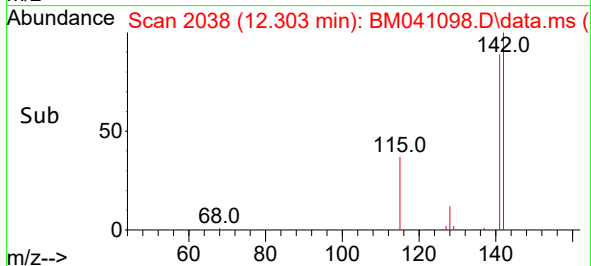
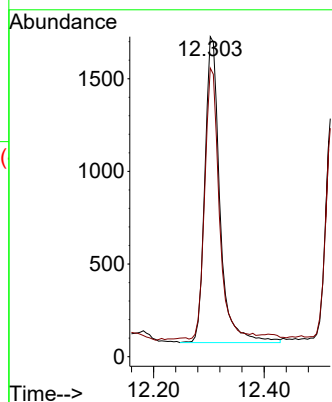
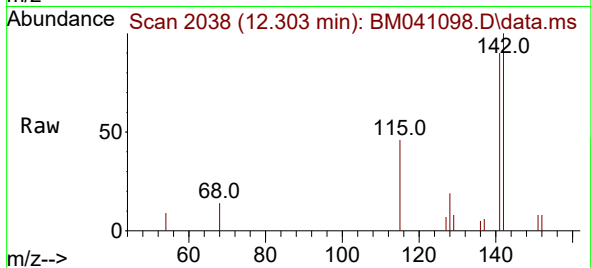




#7  
2-Methylnaphthalene  
Concen: 0.140 ng/ul  
RT: 12.303 min Scan# 2038  
Delta R.T. -0.011 min  
Lab File: BM041098.D  
Acq: 25 Jul 2023 10:13

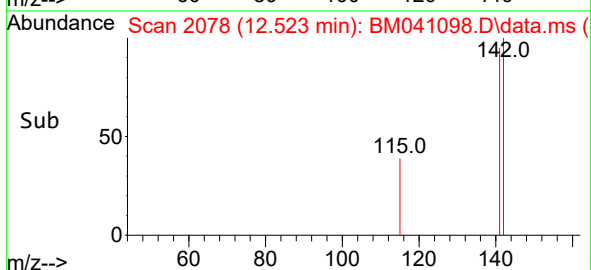
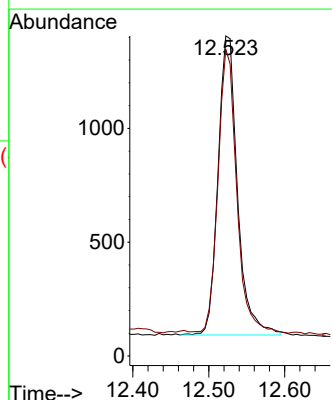
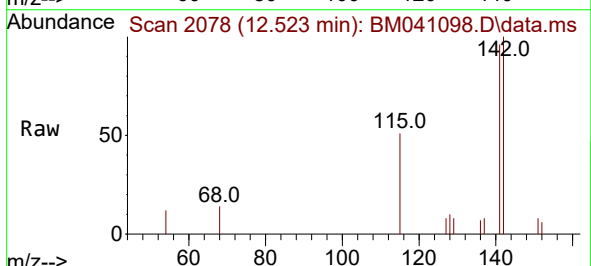
Instrument :  
BNA\_P  
ClientSampleId :  
A4721

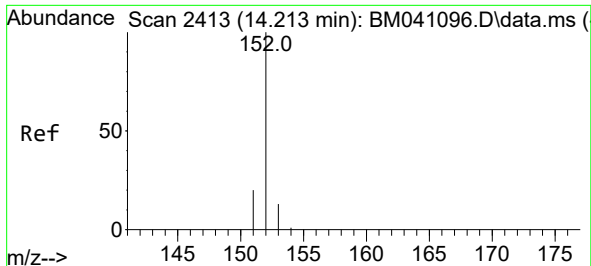
Tgt Ion:142 Resp: 3114  
Ion Ratio Lower Upper  
142 100  
141 87.8 73.3 109.9



#8  
1-Methylnaphthalene  
Concen: 0.102 ng/ul  
RT: 12.523 min Scan# 2078  
Delta R.T. -0.005 min  
Lab File: BM041098.D  
Acq: 25 Jul 2023 10:13

Tgt Ion:142 Resp: 2332  
Ion Ratio Lower Upper  
142 100  
141 89.6 73.6 110.4

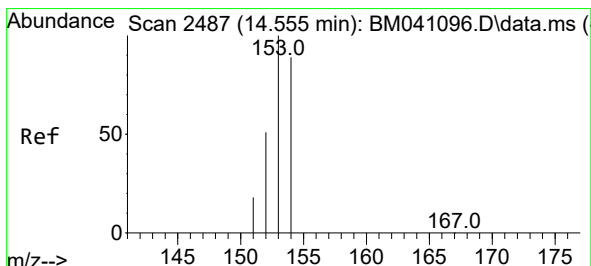
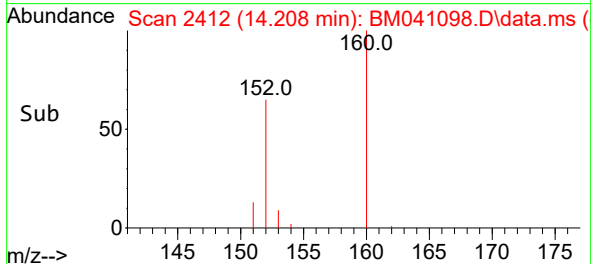
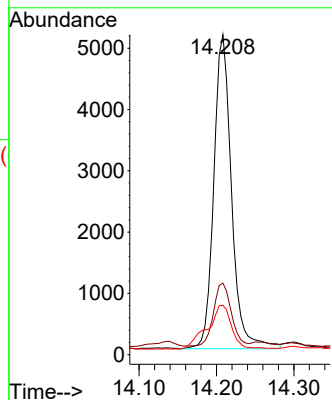
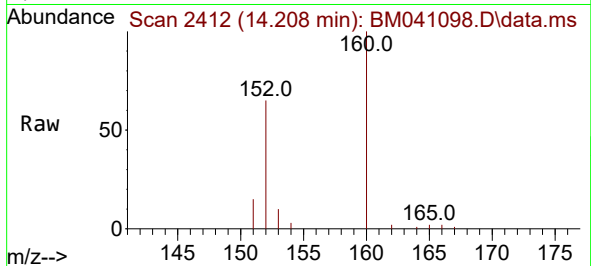




#10  
Acenaphthylene  
Concen: 0.270 ng/ul  
RT: 14.208 min Scan# 2412  
Delta R.T. -0.005 min  
Lab File: BM041098.D  
Acq: 25 Jul 2023 10:13

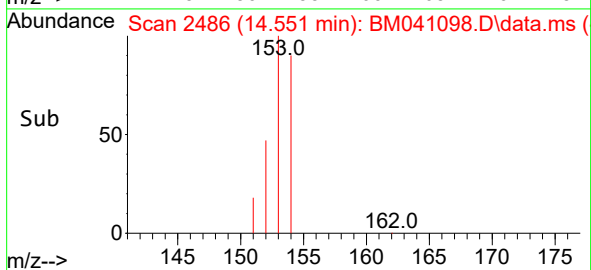
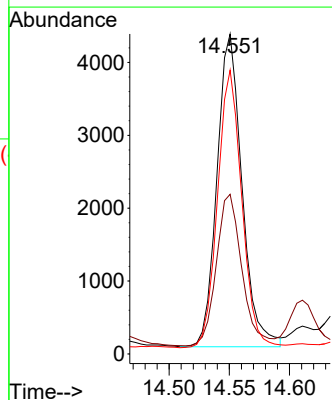
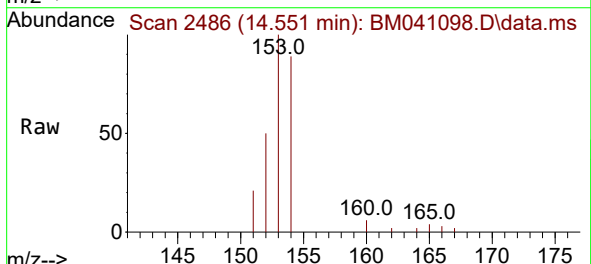
Instrument :  
BNA\_P  
ClientSampleId :  
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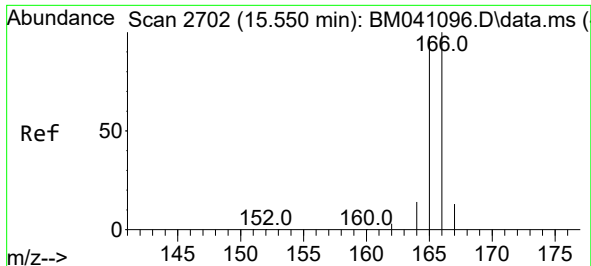
Tgt Ion:152 Resp: 8173  
Ion Ratio Lower Upper  
152 100  
151 22.4 16.8 25.2  
153 15.4 11.4 17.2



#11  
Acenaphthene  
Concen: 0.243 ng/ul  
RT: 14.551 min Scan# 2486  
Delta R.T. -0.005 min  
Lab File: BM041098.D  
Acq: 25 Jul 2023 10:13

Tgt Ion:153 Resp: 6215  
Ion Ratio Lower Upper  
153 100  
152 49.9 40.2 60.4  
154 88.7 70.3 105.5

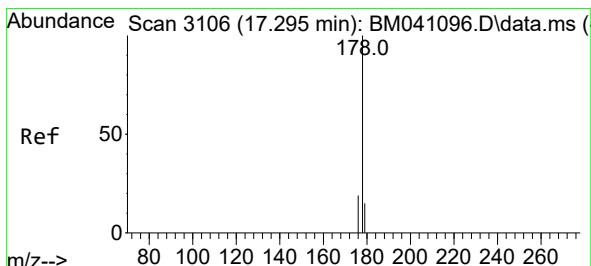
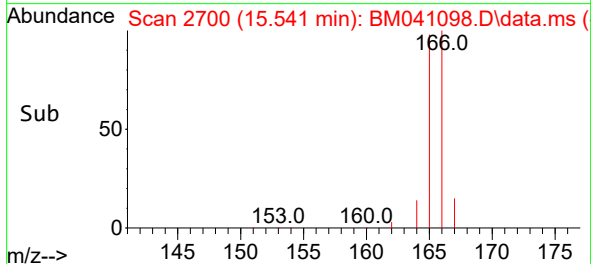
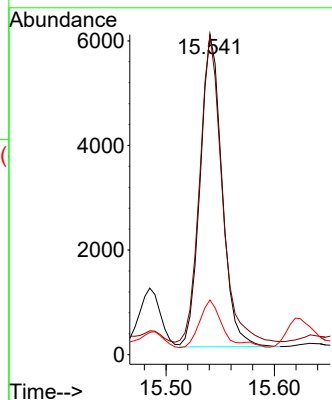
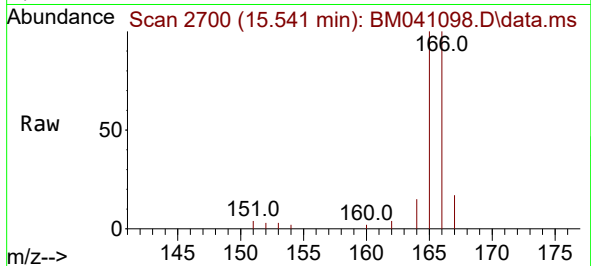




#12  
Fluorene  
Concen: 0.298 ng/ul  
RT: 15.541 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BM041098.D  
Acq: 25 Jul 2023 10:13

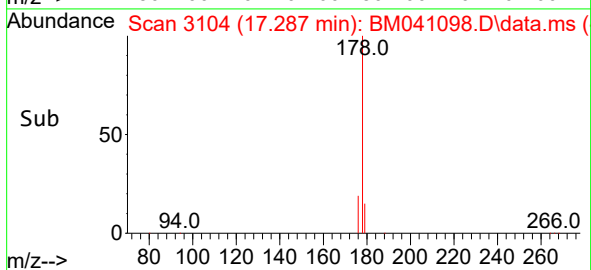
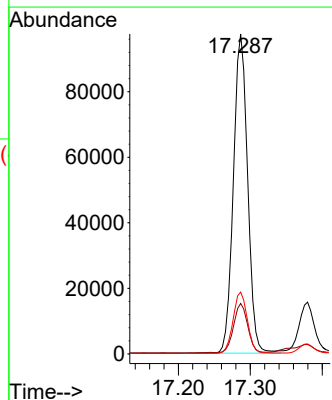
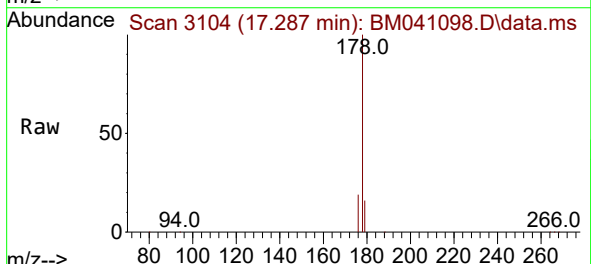
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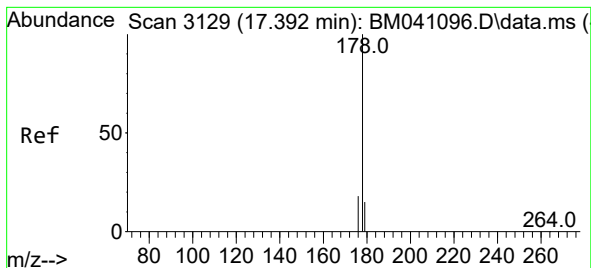
Tgt Ion:166 Resp: 8331  
Ion Ratio Lower Upper  
166 100  
165 100.0 79.4 119.0  
167 17.1 11.4 17.2



#15  
Phenanthrene  
Concen: 2.518 ng/ul  
RT: 17.287 min Scan# 3104  
Delta R.T. -0.008 min  
Lab File: BM041098.D  
Acq: 25 Jul 2023 10:13

Tgt Ion:178 Resp: 133753  
Ion Ratio Lower Upper  
178 100  
179 15.8 13.4 20.2  
176 19.4 16.0 24.0





#16

Anthracene

Concen: 0.538 ng/ul

RT: 17.379 min Scan# 3129

Delta R.T. -0.013 min

Lab File: BM041098.D

Acq: 25 Jul 2023 10:13

Instrument :

BNA\_P

ClientSampleId :

A4721

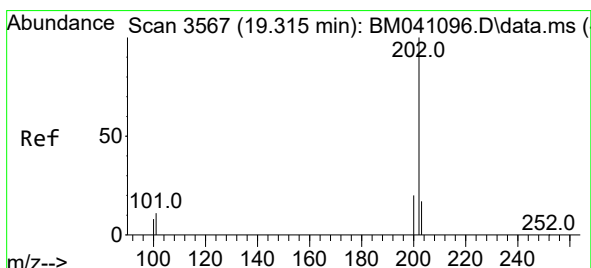
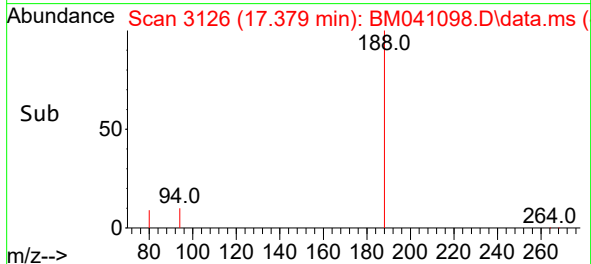
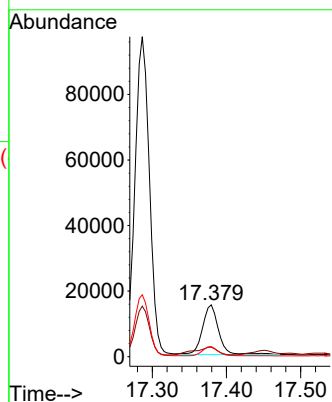
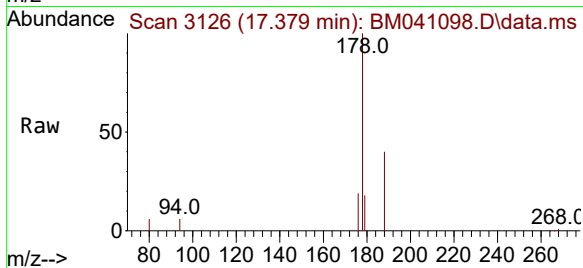
Tgt Ion:178 Resp: 23126

Ion Ratio Lower Upper

178 100

179 18.3 13.6 20.4

176 19.5 16.0 24.0



#19

Fluoranthene

Concen: 5.190 ng/ul

RT: 19.311 min Scan# 3566

Delta R.T. -0.005 min

Lab File: BM041098.D

Acq: 25 Jul 2023 10:13

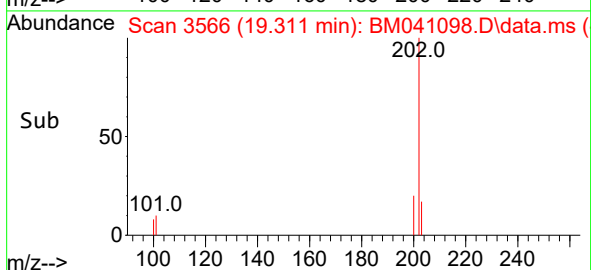
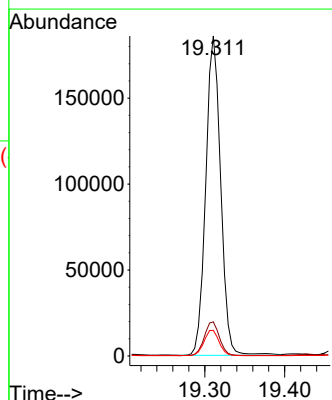
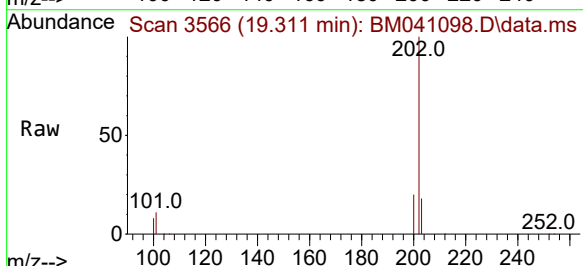
Tgt Ion:202 Resp: 241035

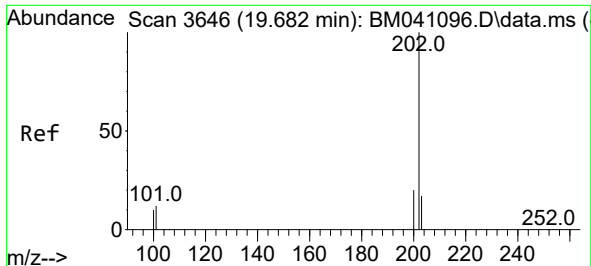
Ion Ratio Lower Upper

202 100

101 10.6 9.4 14.0

100 8.0 7.1 10.7

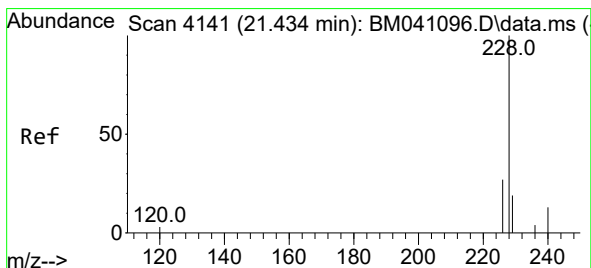
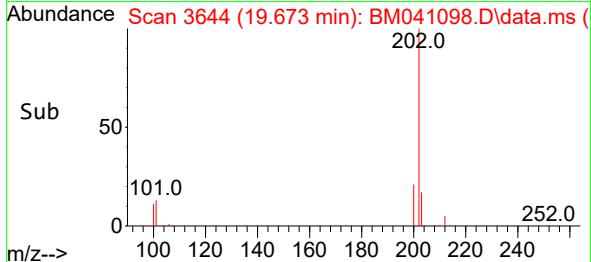
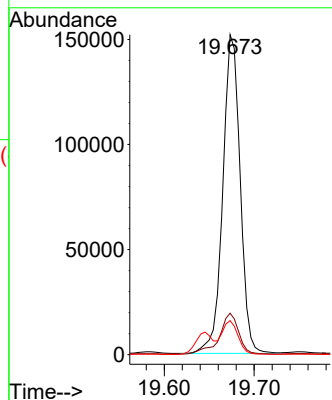
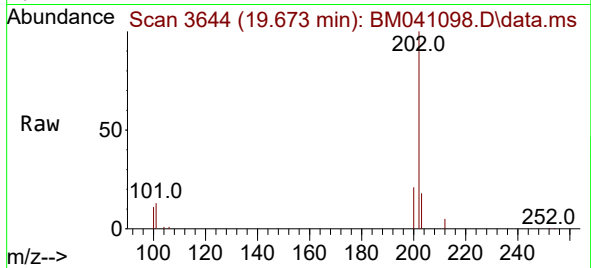




#20  
Pyrene  
Concen: 3.970 ng/ul  
RT: 19.673 min Scan# 30  
Delta R.T. -0.009 min  
Lab File: BM041098.D  
Acq: 25 Jul 2023 10:13

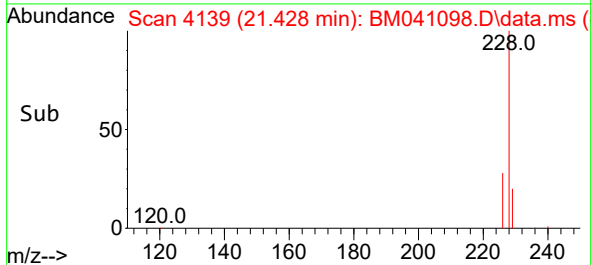
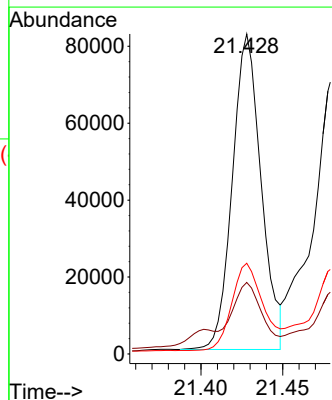
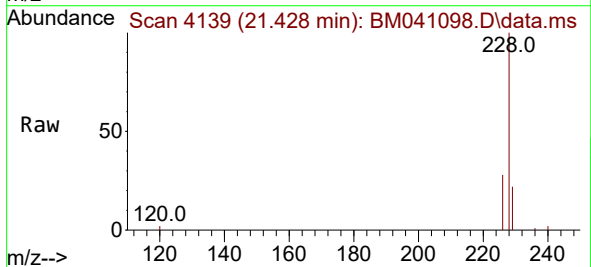
Instrument :  
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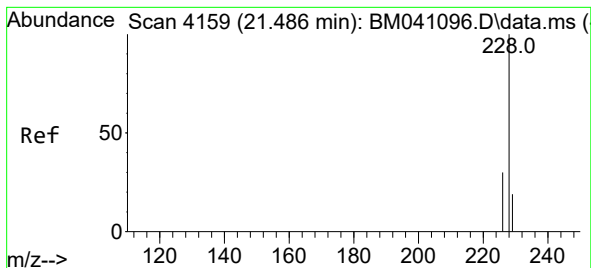
Tgt Ion:202 Resp: 203314  
Ion Ratio Lower Upper  
202 100  
101 13.0 10.7 16.1  
100 10.7 8.5 12.7



#21  
Benzo(a)anthracene  
Concen: 2.314 ng/ul  
RT: 21.428 min Scan# 4139  
Delta R.T. -0.006 min  
Lab File: BM041098.D  
Acq: 25 Jul 2023 10:13

Tgt Ion:228 Resp: 100260  
Ion Ratio Lower Upper  
228 100  
229 22.3 16.5 24.7  
226 28.3 22.2 33.2





#22

Chrysene

Concen: 2.132 ng/ul

RT: 21.481 min Scan# 4157

Delta R.T. -0.006 min

Lab File: BM041098.D

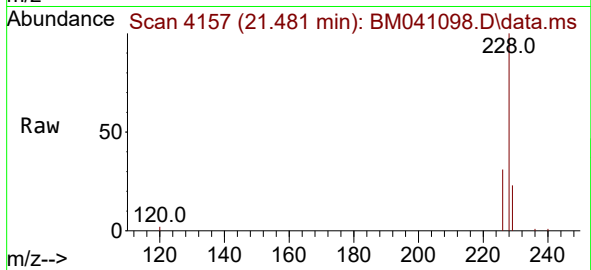
Acq: 25 Jul 2023 10:13

Instrument :

BNA\_P

ClientSampleId :

A4721



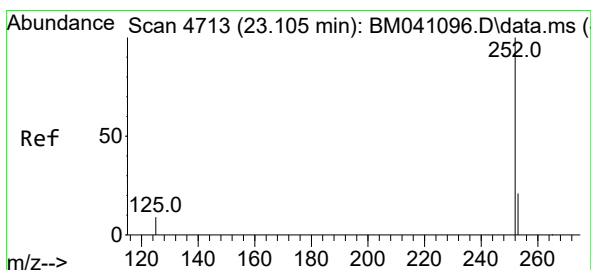
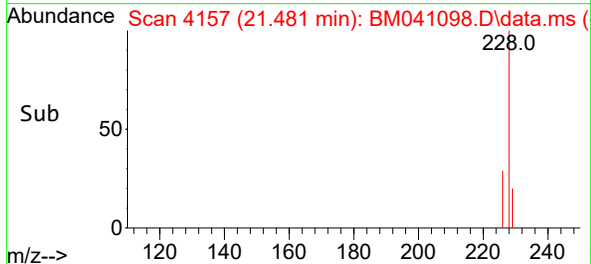
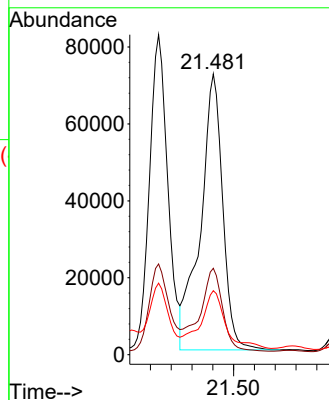
Tgt Ion:228 Resp: 106691

Ion Ratio Lower Upper

228 100

226 30.8 24.2 36.4

229 22.8 15.9 23.9



#24

Benzo(b)fluoranthene

Concen: 2.343 ng/ul

RT: 23.103 min Scan# 4712

Delta R.T. -0.003 min

Lab File: BM041098.D

Acq: 25 Jul 2023 10:13

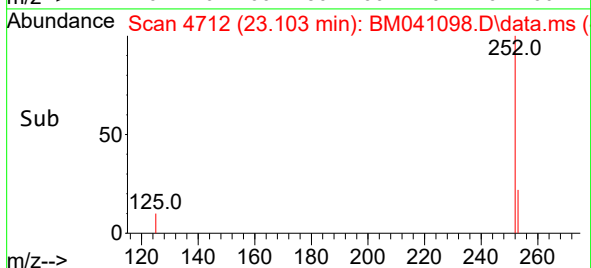
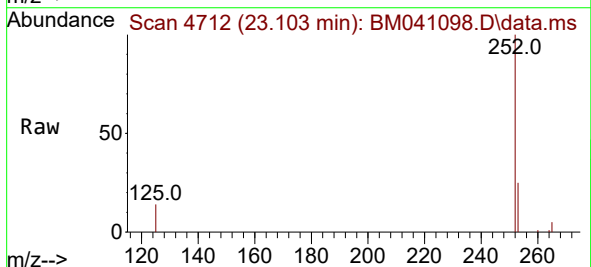
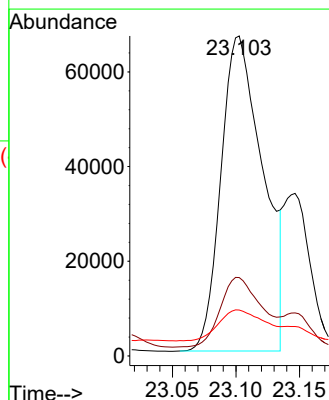
Tgt Ion:252 Resp: 153175

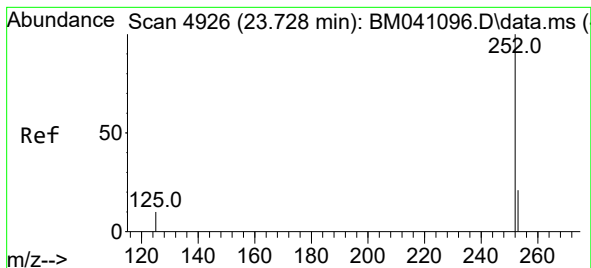
Ion Ratio Lower Upper

252 100

253 24.5 0.0 57.6

125 14.3 0.0 33.6





#26

Benzo(a)pyrene

Concen: 1.995 ng/ul

RT: 23.719 min Scan# 4923

Delta R.T. -0.009 min

Lab File: BM041098.D

Acq: 25 Jul 2023 10:13

Instrument :

BNA\_P

ClientSampleId :

A4721

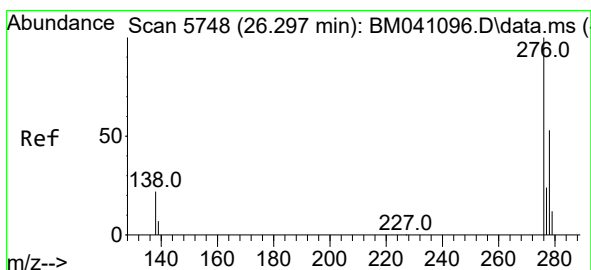
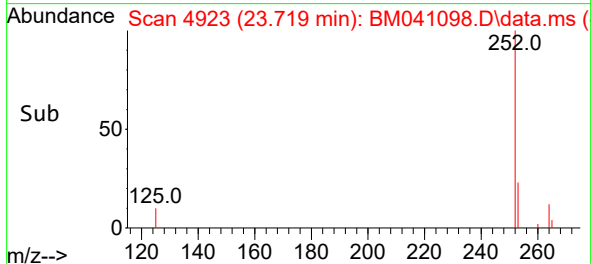
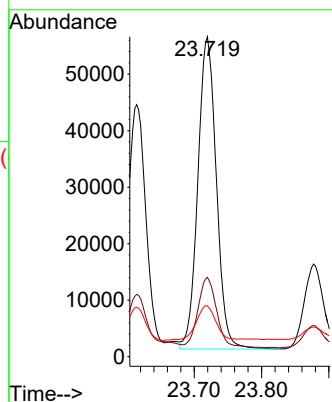
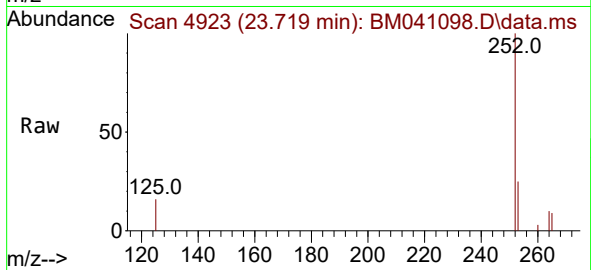
Tgt Ion:252 Resp: 105674

Ion Ratio Lower Upper

252 100

253 24.8 26.7 40.1#

125 15.9 18.1 27.1#



#27

Indeno(1,2,3-cd)pyrene

Concen: 1.157 ng/ul

RT: 26.280 min Scan# 5743

Delta R.T. -0.017 min

Lab File: BM041098.D

Acq: 25 Jul 2023 10:13

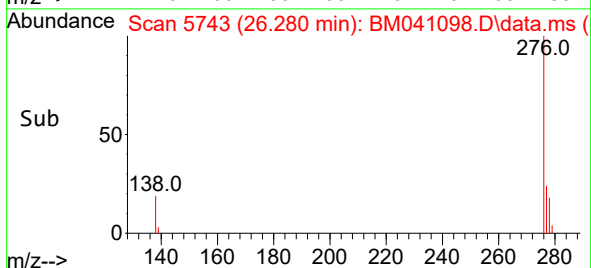
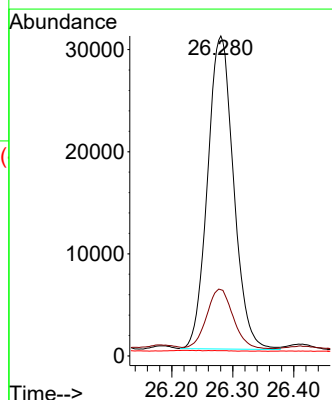
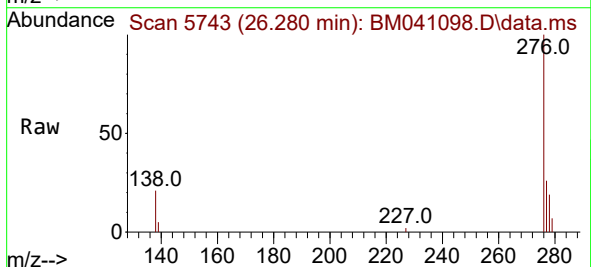
Tgt Ion:276 Resp: 90699

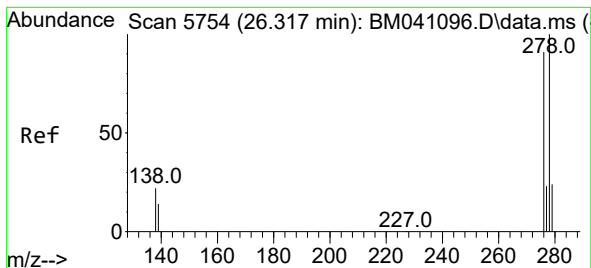
Ion Ratio Lower Upper

276 100

138 19.2 18.1 27.1

227 0.0 0.2 0.2#





#28

Dibenzo(a,h)anthracene

Concen: 0.342 ng/ul

RT: 26.287 min Scan# 51

Delta R.T. -0.030 min

Lab File: BM041098.D

Acq: 25 Jul 2023 10:13

Instrument :

BNA\_P

ClientSampleId :

A4721

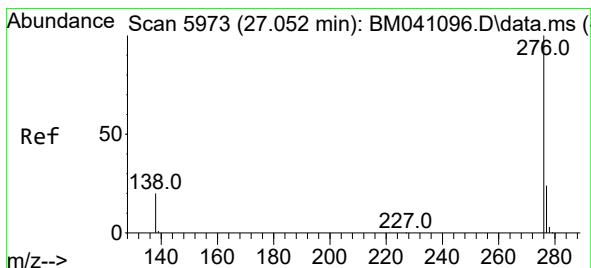
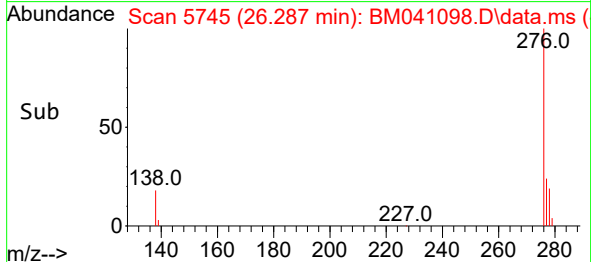
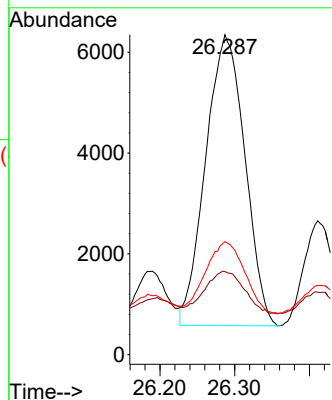
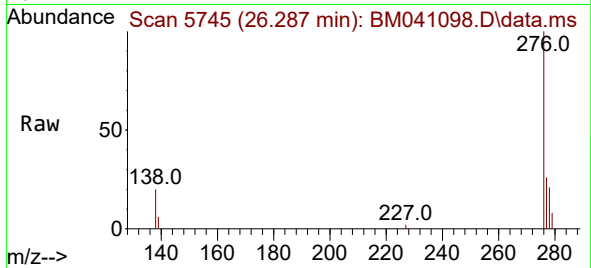
Tgt Ion:278 Resp: 21051

Ion Ratio Lower Upper

278 100

139 26.0 14.1 21.1#

279 35.4 25.0 37.4



#29

Benzo(g,h,i)perylene

Concen: 1.221 ng/ul

RT: 27.038 min Scan# 5969

Delta R.T. -0.013 min

Lab File: BM041098.D

Acq: 25 Jul 2023 10:13

Tgt Ion:276 Resp: 85582

Ion Ratio Lower Upper

276 100

138 21.1 18.2 27.2

277 25.0 20.6 30.8

