

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062224\  
 Data File : BM046232.D  
 Acq On : 23 Jun 2024 13:13  
 Operator : MA/JU  
 Sample : P2776-12  
 Misc :  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Jun 24 02:30:39 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 24 02:25:34 2024  
 Response via : Initial Calibration

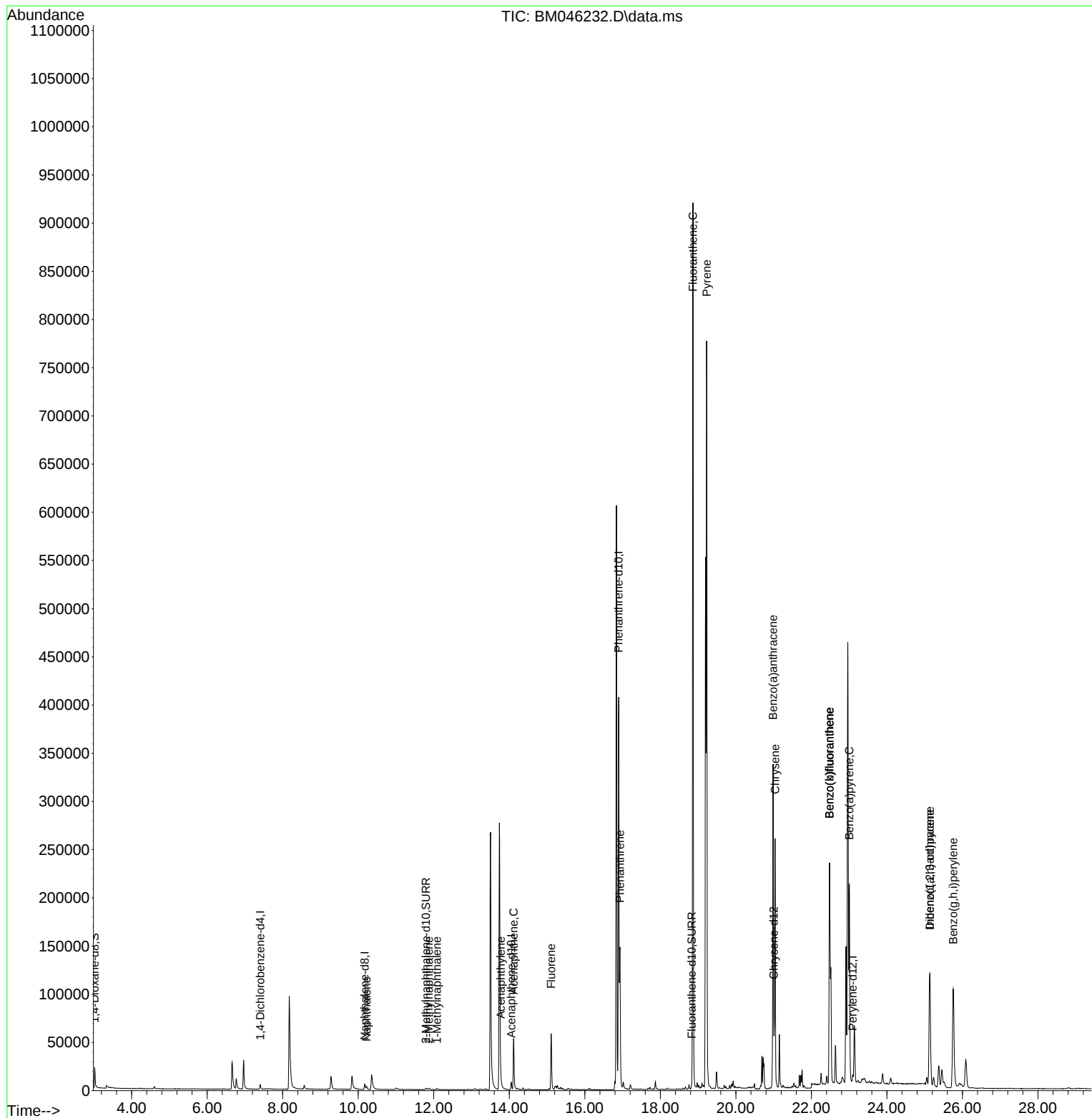
| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| -----                       |        |      |          |        |        |          |
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.405  | 152  | 2736     | 0.400  | ng/ul  | -0.06    |
| 4) Naphthalene-d8           | 10.172 | 136  | 8546     | 0.400  | ng/ul  | -0.08    |
| 9) Acenaphthene-d10         | 14.053 | 164  | 4707     | 0.400  | ng/ul  | -0.06    |
| 13) Phenanthrene-d10        | 16.896 | 188  | 464801   | 0.400  | ng/ul  | # 0.04   |
| 17) Chrysene-d12            | 21.003 | 240  | 6319     | 0.400  | ng/ul  | -0.04    |
| 23) Perylene-d12            | 23.095 | 264  | 10527    | 0.400  | ng/ul  | #-0.05   |
|                             |        |      |          |        |        |          |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.021  | 96   | 12163    | 3.240  | ng/ul  | -0.03    |
| 6) 2-Methylnaphthalene-d10  | 11.794 | 152  | 2968     | 0.259  | ng/ul  | -0.07    |
| 18) Fluoranthene-d10        | 18.830 | 212  | 6236     | 0.330  | ng/ul  | -0.05    |
|                             |        |      |          |        |        |          |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        | Qvalue |          |
| 5) Naphthalene              | 10.222 | 128  | 5121     | 0.215  | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 11.866 | 142  | 1545     | 0.115  | ng/ul  | 98       |
| 8) 1-Methylnaphthalene      | 12.086 | 142  | 1228     | 0.083  | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.771 | 152  | 3179     | 0.142  | ng/ul# | 91       |
| 11) Acenaphthene            | 14.114 | 153  | 35404    | 2.197  | ng/ul  | 98       |
| 12) Fluorene                | 15.108 | 166  | 42879    | 2.479  | ng/ul  | 98       |
| 15) Phenanthrene            | 16.930 | 178  | 154119   | 0.118  | ng/ul  | 97       |
| 19) Fluoranthene            | 18.863 | 202  | 803554   | 29.369 | ng/ul  | 96       |
| 20) Pyrene                  | 19.225 | 202  | 638795   | 21.589 | ng/ul  | 96       |
| 21) Benzo(a)anthracene      | 20.985 | 228  | 285201   | 11.685 | ng/ul  | 99       |
| 22) Chrysene                | 21.038 | 228  | 247666   | 7.951  | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.481 | 252  | 460703   | 12.147 | ng/ul  | 82       |
| 25) Benzo(k)fluoranthene    | 22.481 | 252  | 460703   | 10.218 | ng/ul# | 80       |
| 26) Benzo(a)pyrene          | 23.004 | 252  | 255465   | 7.269  | ng/ul# | 72       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.135 | 276  | 191455   | 3.329  | ng/ul# | 87       |
| 28) Dibenzo(a,h)anthracene  | 25.138 | 278  | 38981    | 0.910  | ng/ul  | 93       |
| 29) Benzo(g,h,i)perylene    | 25.755 | 276  | 202019   | 4.096  | ng/ul  | 94       |
| -----                       |        |      |          |        |        |          |

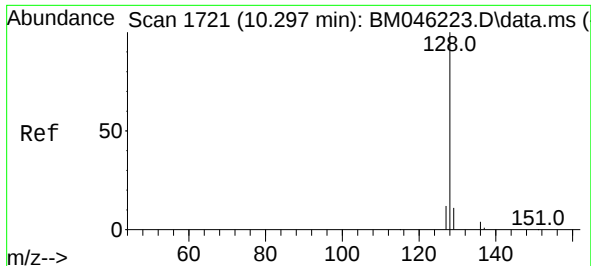
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062224\  
Data File : BM046232.D  
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Operator : MA/JU  
Sample : P2776-12  
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ALS Vial : 47 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

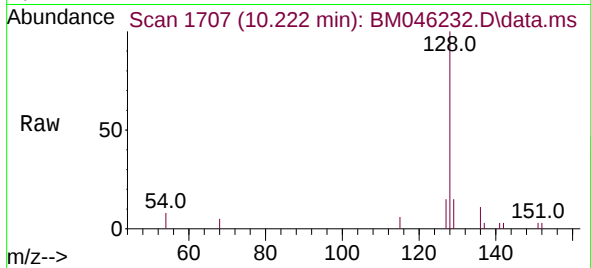
Quant Time: Jun 24 02:30:39 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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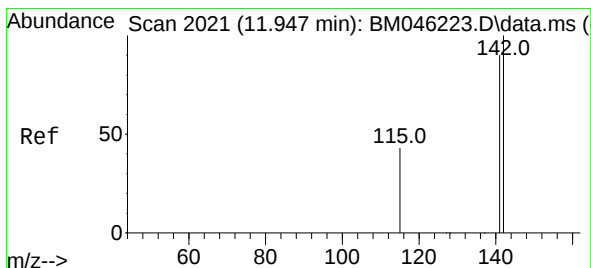
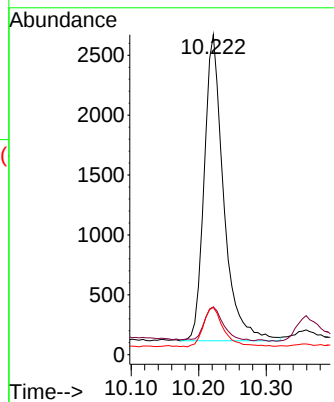
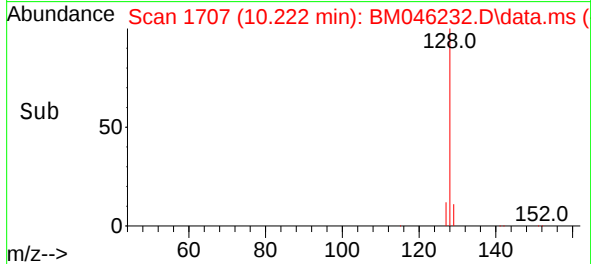


#5  
Naphthalene  
Concen: 0.215 ng/ul  
RT: 10.222 min Scan# 1  
Delta R.T. -0.081 min  
Lab File: BM046232.D  
Acq: 23 Jun 2024 13:13

Instrument :  
BNA\_M  
ClientSampleId :

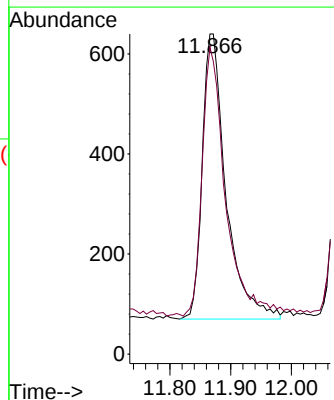
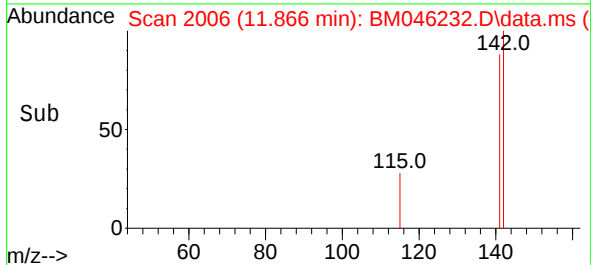
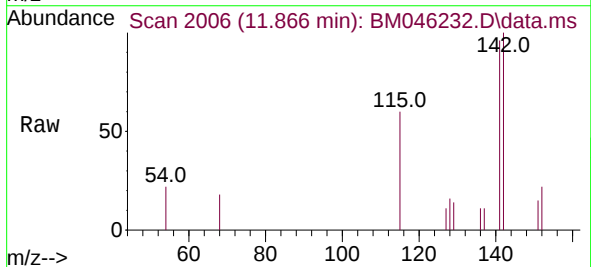


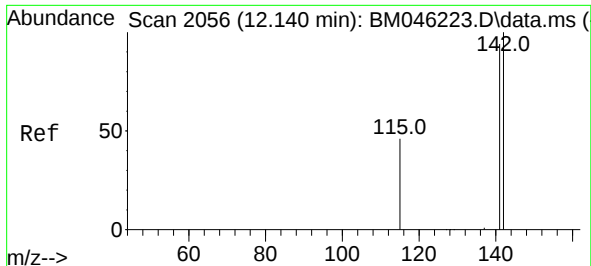
Tgt Ion:128 Resp: 5121  
Ion Ratio Lower Upper  
128 100  
129 14.9 11.8 17.6  
127 14.7 12.8 19.2



#7  
2-Methylnaphthalene  
Concen: 0.115 ng/ul  
RT: 11.866 min Scan# 2006  
Delta R.T. -0.081 min  
Lab File: BM046232.D  
Acq: 23 Jun 2024 13:13

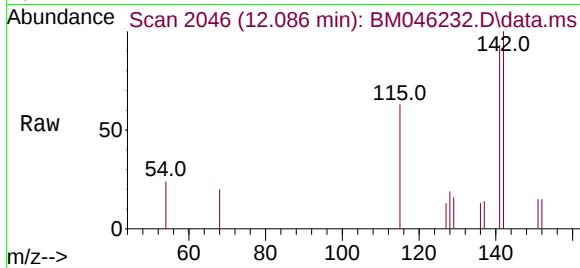
Tgt Ion:142 Resp: 1545  
Ion Ratio Lower Upper  
142 100  
141 95.0 74.6 111.8



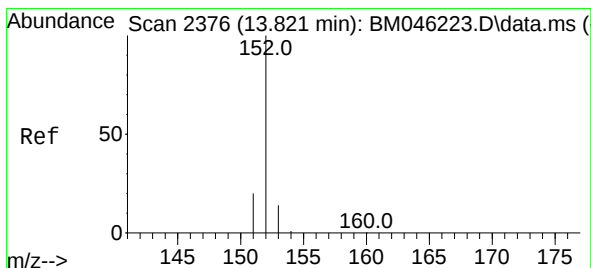
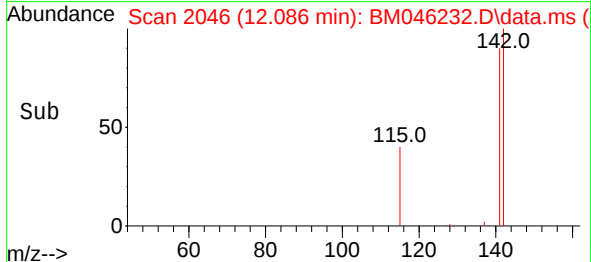
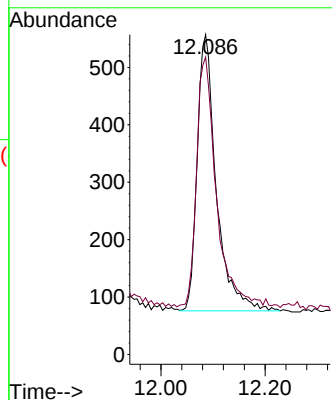


#8  
1-Methylnaphthalene  
Concen: 0.083 ng/ul  
RT: 12.086 min Scan# 2046  
Delta R.T. -0.065 min  
Lab File: BM046232.D  
Acq: 23 Jun 2024 13:13

Instrument :  
BNA\_M  
ClientSampleId :

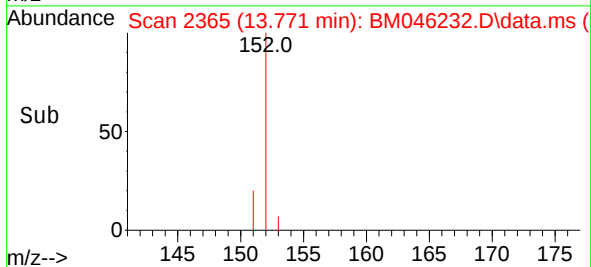
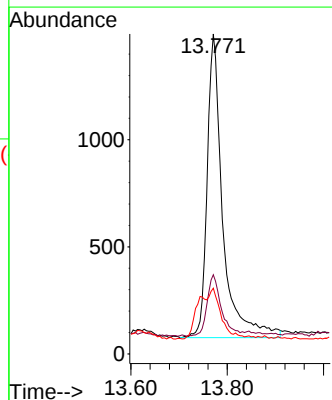
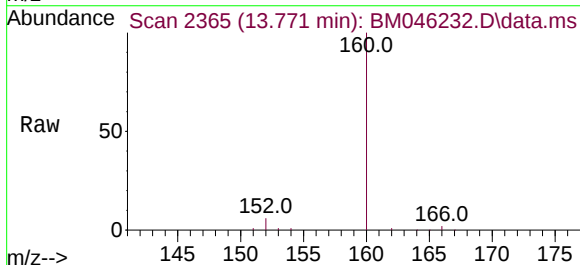


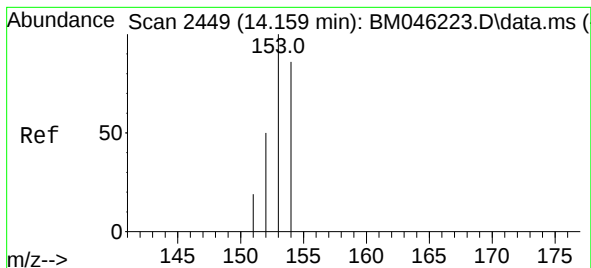
Tgt Ion:142 Resp: 1228  
Ion Ratio Lower Upper  
142 100  
141 94.5 75.2 112.8



#10  
Acenaphthylene  
Concen: 0.142 ng/ul  
RT: 13.771 min Scan# 2365  
Delta R.T. -0.063 min  
Lab File: BM046232.D  
Acq: 23 Jun 2024 13:13

Tgt Ion:152 Resp: 3179  
Ion Ratio Lower Upper  
152 100  
151 24.8 17.4 26.2  
153 20.5 11.8 17.8#





#11

Acenaphthene

Concen: 2.197 ng/ul

RT: 14.114 min Scan# 2439

Delta R.T. -0.059 min

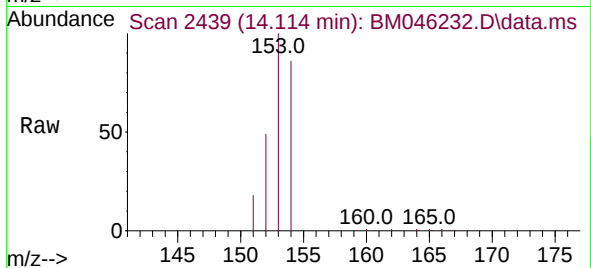
Lab File: BM046232.D

Acq: 23 Jun 2024 13:13

Instrument :

BNA\_M

ClientSampleId :



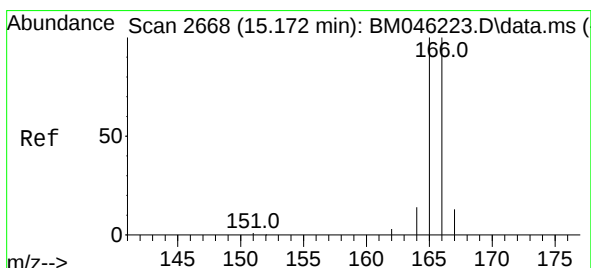
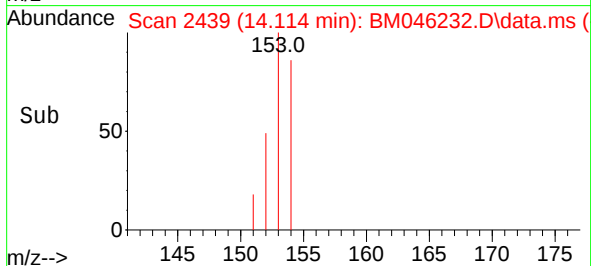
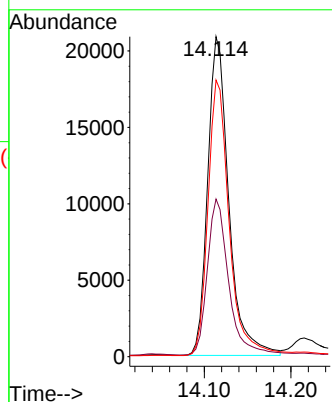
Tgt Ion:153 Resp: 35404

Ion Ratio Lower Upper

153 100

152 49.3 41.3 61.9

154 86.5 68.2 102.4



#12

Fluorene

Concen: 2.479 ng/ul

RT: 15.108 min Scan# 2654

Delta R.T. -0.073 min

Lab File: BM046232.D

Acq: 23 Jun 2024 13:13

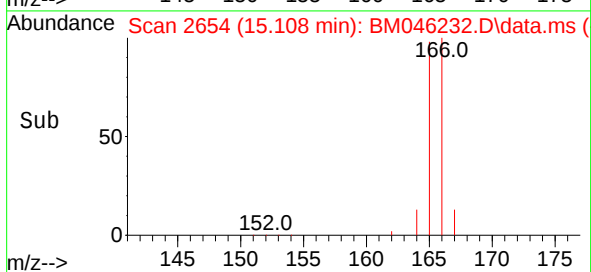
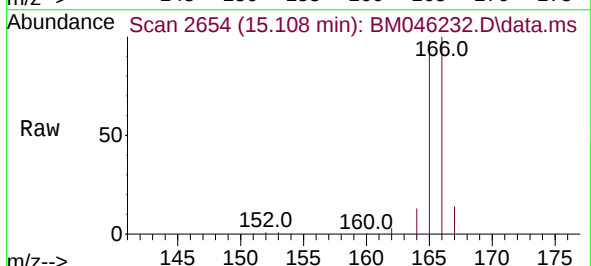
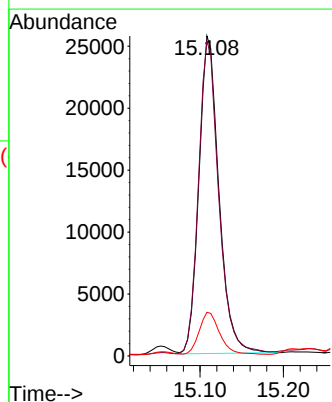
Tgt Ion:166 Resp: 42879

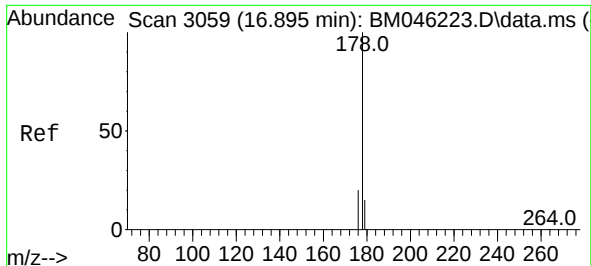
Ion Ratio Lower Upper

166 100

165 98.3 80.4 120.6

167 13.6 12.4 18.6





#15

Phenanthrene

Concen: 0.118 ng/ul

RT: 16.930 min Scan# 3059

Delta R.T. 0.027 min

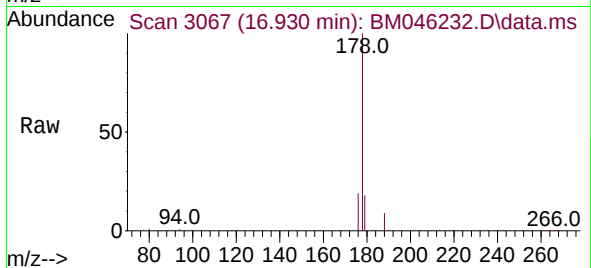
Lab File: BM046232.D

Acq: 23 Jun 2024 13:13

Instrument :

BNA\_M

ClientSampleId :



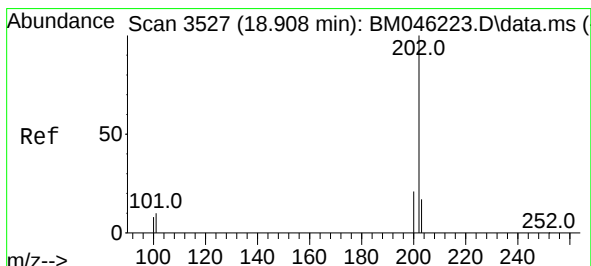
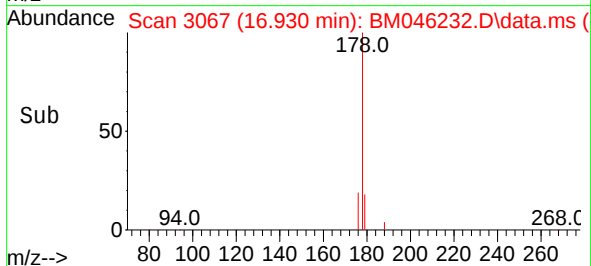
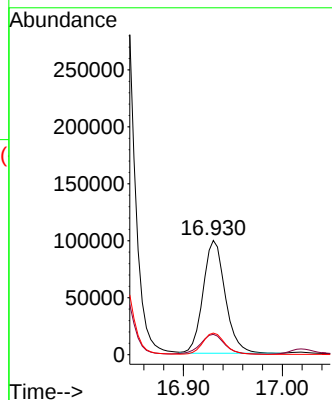
Tgt Ion:178 Resp: 154119

Ion Ratio Lower Upper

178 100

179 17.8 14.2 21.2

176 19.0 17.1 25.7



#19

Fluoranthene

Concen: 29.369 ng/ul

RT: 18.863 min Scan# 3517

Delta R.T. -0.054 min

Lab File: BM046232.D

Acq: 23 Jun 2024 13:13

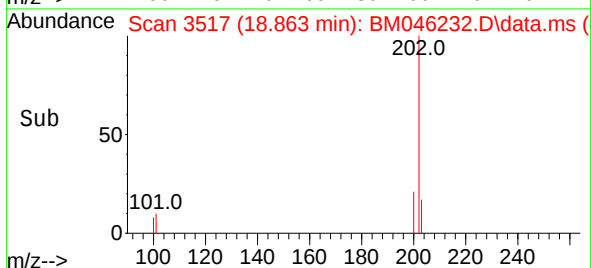
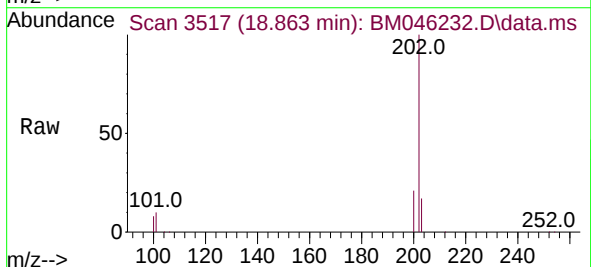
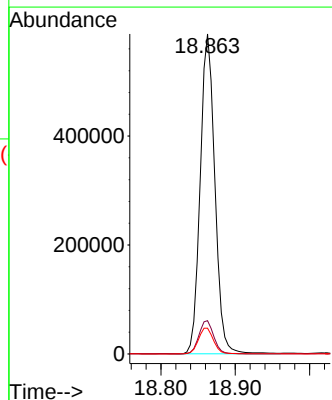
Tgt Ion:202 Resp: 803554

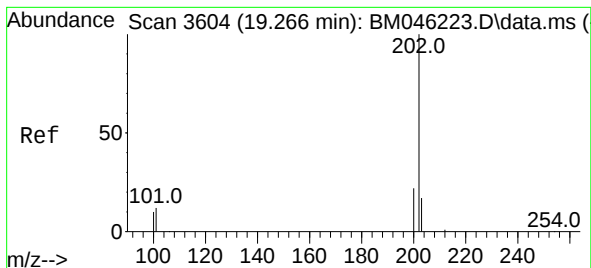
Ion Ratio Lower Upper

202 100

101 10.4 9.6 14.4

100 8.1 7.6 11.4





#20

Pyrene

Concen: 21.589 ng/ul

RT: 19.225 min Scan# 30

Delta R.T. -0.050 min

Lab File: BM046232.D

Acq: 23 Jun 2024 13:13

Instrument :

BNA\_M

ClientSampleId :

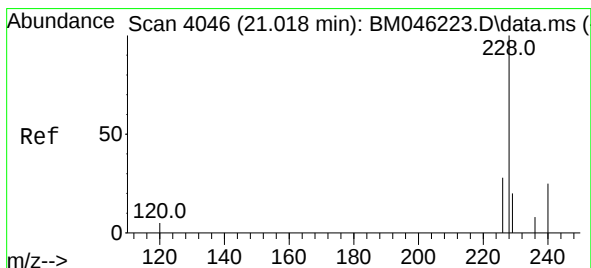
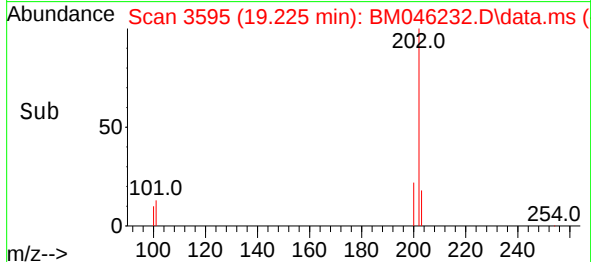
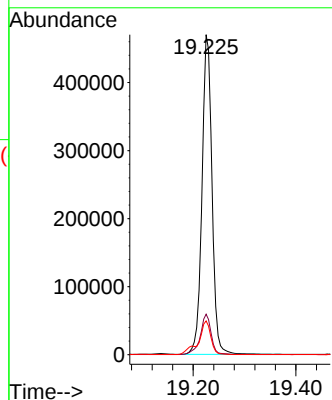
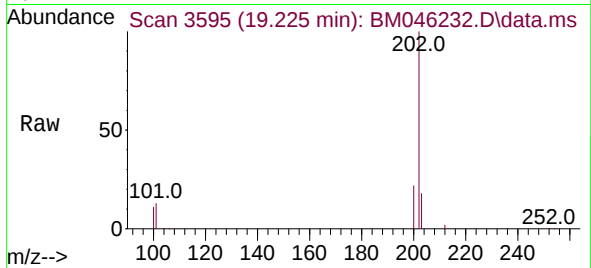
Tgt Ion:202 Resp: 638795

Ion Ratio Lower Upper

202 100

101 12.7 11.3 16.9

100 10.5 9.8 14.6



#21

Benzo(a)anthracene

Concen: 11.685 ng/ul

RT: 20.985 min Scan# 4035

Delta R.T. -0.044 min

Lab File: BM046232.D

Acq: 23 Jun 2024 13:13

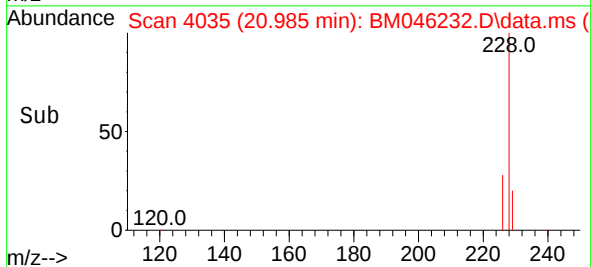
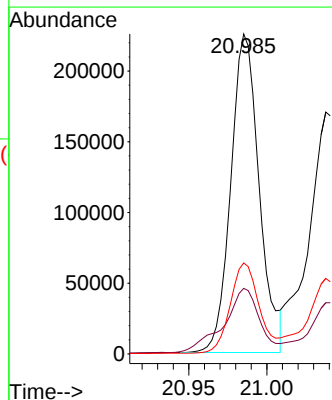
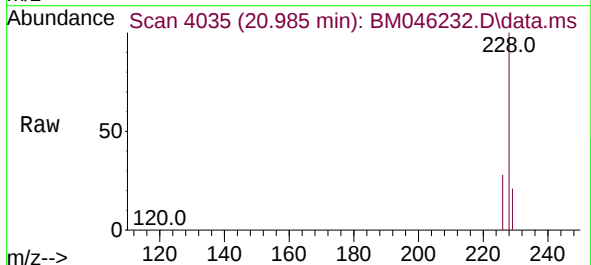
Tgt Ion:228 Resp: 285201

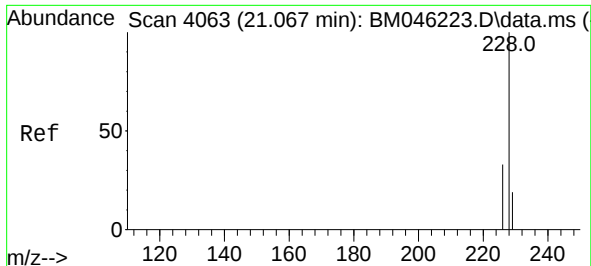
Ion Ratio Lower Upper

228 100

229 20.5 16.4 24.6

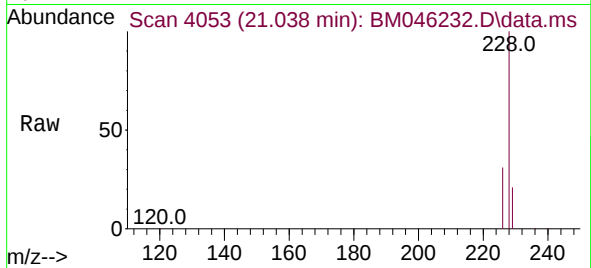
226 28.4 23.4 35.2



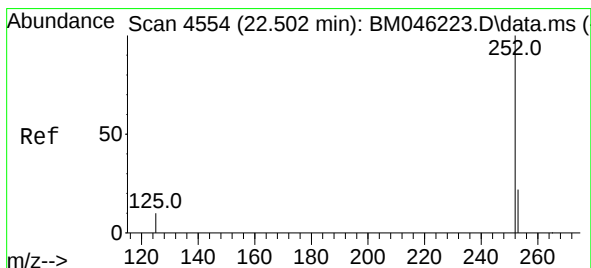
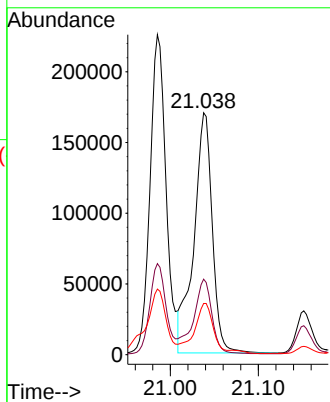
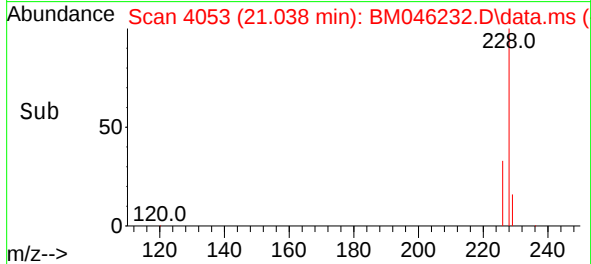


#22  
Chrysene  
Concen: 7.951 ng/ul  
RT: 21.038 min Scan# 4063  
Delta R.T. -0.038 min  
Lab File: BM046232.D  
Acq: 23 Jun 2024 13:13

Instrument :  
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ClientSampleId :

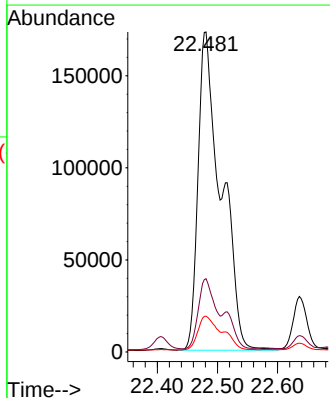
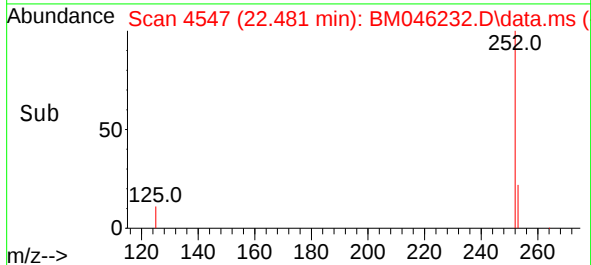
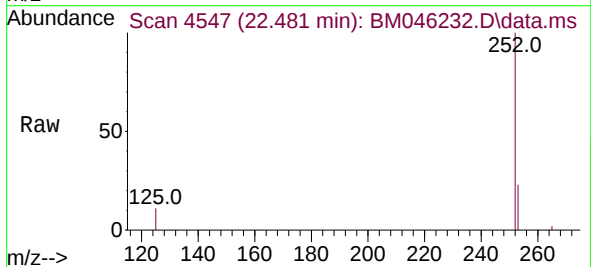


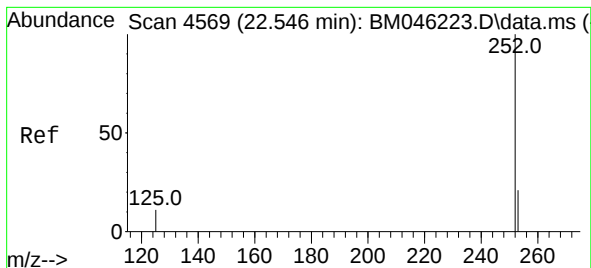
Tgt Ion:228 Resp: 247666  
Ion Ratio Lower Upper  
228 100  
226 31.2 25.2 37.8  
229 21.2 16.3 24.5



#24  
Benzo(b)fluoranthene  
Concen: 12.147 ng/ul  
RT: 22.481 min Scan# 4547  
Delta R.T. -0.038 min  
Lab File: BM046232.D  
Acq: 23 Jun 2024 13:13

Tgt Ion:252 Resp: 460703  
Ion Ratio Lower Upper  
252 100  
253 22.9 0.0 65.8  
125 11.2 0.0 40.2





#25

Benzo(k)fluoranthene

Concen: 10.218 ng/ul

RT: 22.481 min Scan# 4

Delta R.T. -0.082 min

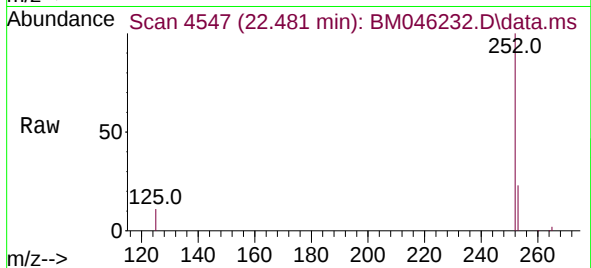
Lab File: BM046232.D

Acq: 23 Jun 2024 13:13

Instrument :

BNA\_M

ClientSampleId :



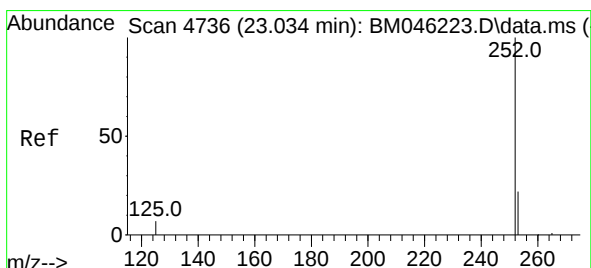
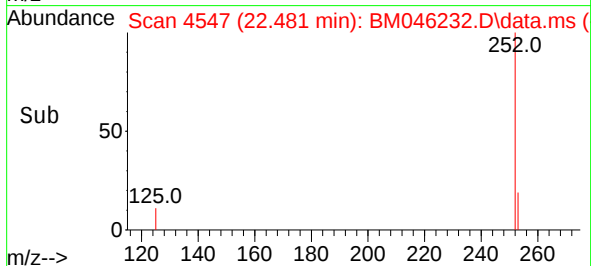
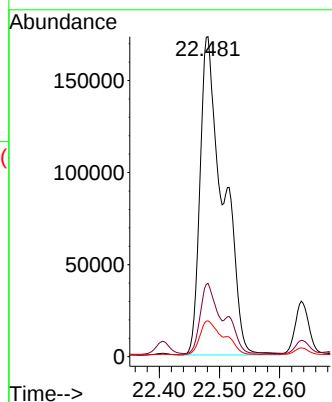
Tgt Ion:252 Resp: 460703

Ion Ratio Lower Upper

252 100

253 22.9 27.2 40.8#

125 11.2 16.6 25.0#



#26

Benzo(a)pyrene

Concen: 7.269 ng/ul

RT: 23.004 min Scan# 4726

Delta R.T. -0.050 min

Lab File: BM046232.D

Acq: 23 Jun 2024 13:13

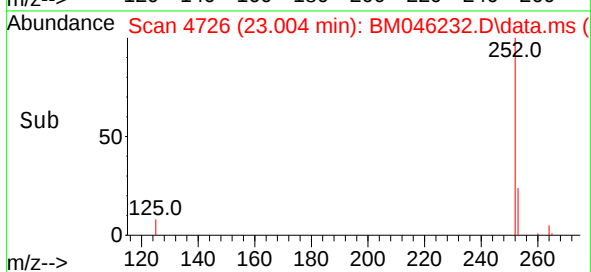
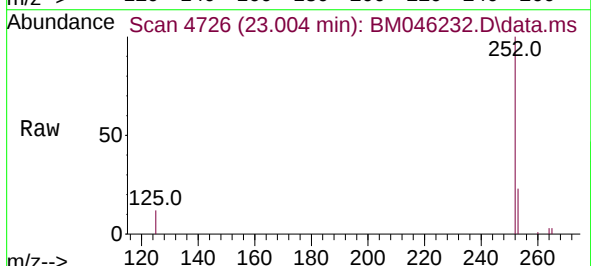
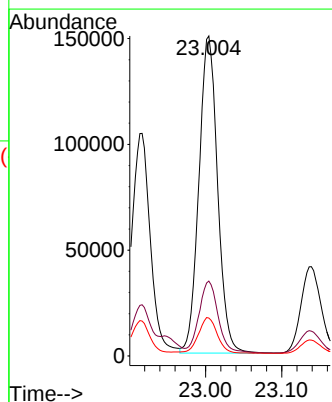
Tgt Ion:252 Resp: 255465

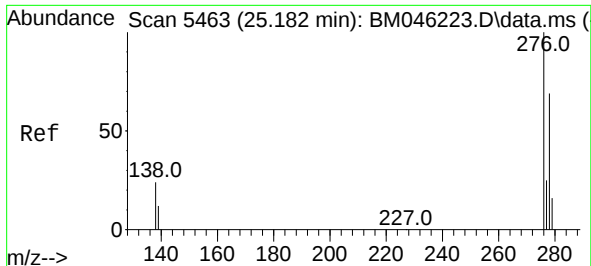
Ion Ratio Lower Upper

252 100

253 23.4 32.1 48.1#

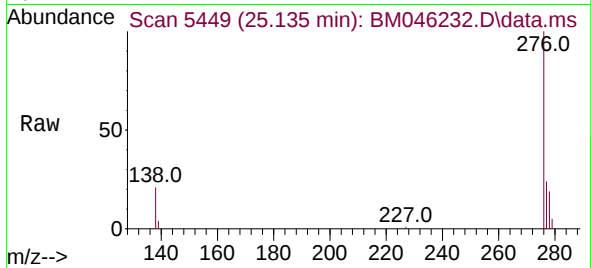
125 11.9 21.2 31.8#



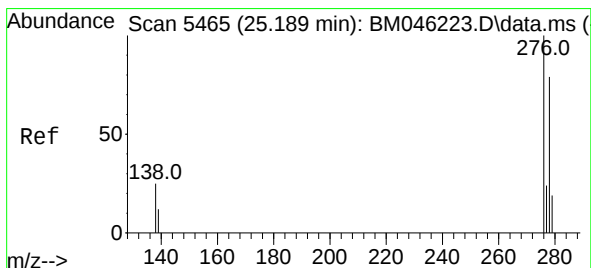
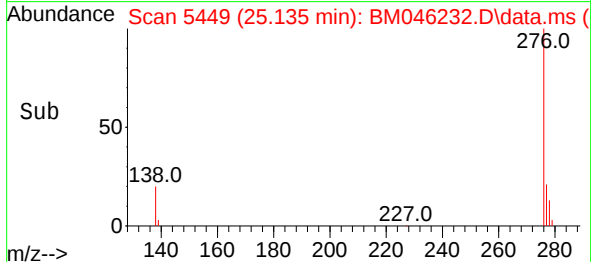
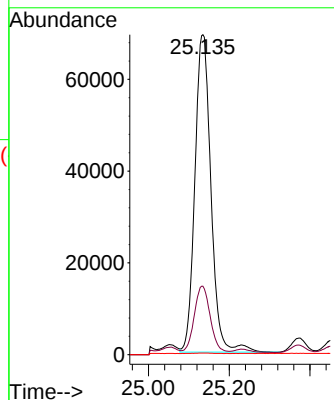


#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.329 ng/ul  
 RT: 25.135 min Scan# 5449  
 Delta R.T. -0.067 min  
 Lab File: BM046232.D  
 Acq: 23 Jun 2024 13:13

Instrument :  
 BNA\_M  
 ClientSampleId :

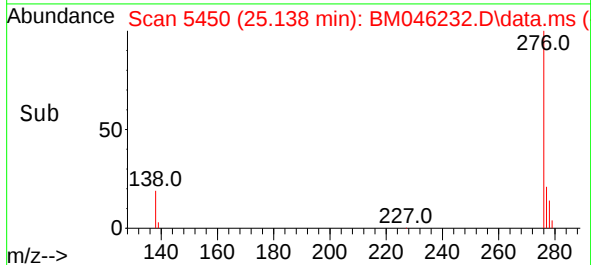
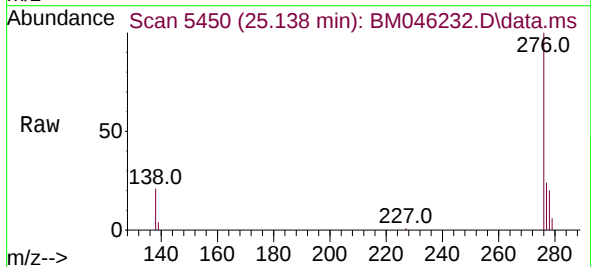
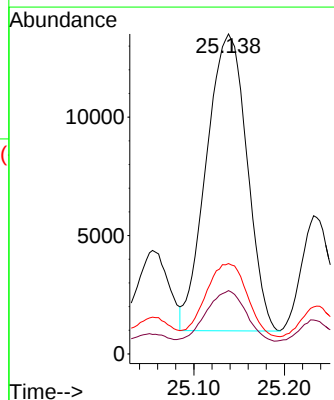


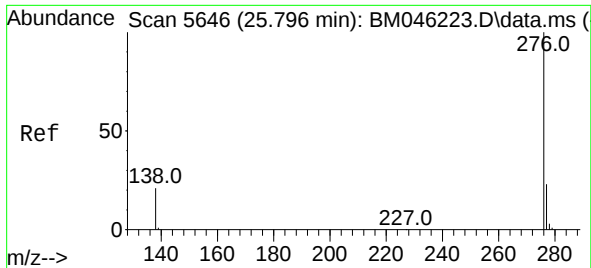
Tgt Ion:276 Resp: 191455  
 Ion Ratio Lower Upper  
 276 100  
 138 19.7 21.0 31.4#  
 227 0.0 0.0 0.0



#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.910 ng/ul  
 RT: 25.138 min Scan# 5450  
 Delta R.T. -0.078 min  
 Lab File: BM046232.D  
 Acq: 23 Jun 2024 13:13

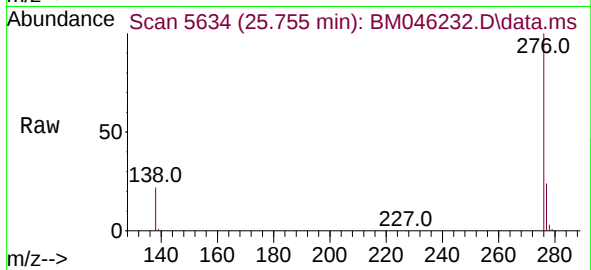
Tgt Ion:278 Resp: 38981  
 Ion Ratio Lower Upper  
 278 100  
 139 19.8 17.6 26.4  
 279 28.2 26.3 39.5





#29  
Benzo(g,h,i)perylene  
Concen: 4.096 ng/ul  
RT: 25.755 min Scan# 5  
Delta R.T. -0.074 min  
Lab File: BM046232.D  
Acq: 23 Jun 2024 13:13

Instrument :  
BNA\_M  
ClientSampleId :



Tgt Ion:276 Resp: 202019  
Ion Ratio Lower Upper  
276 100  
138 22.1 21.7 32.5  
277 24.1 20.4 30.6

