

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062224\  
 Data File : BM046238.D  
 Acq On : 23 Jun 2024 16:53  
 Operator : MA/JU  
 Sample : P2776-08  
 Misc :  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Jun 24 02:32:07 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

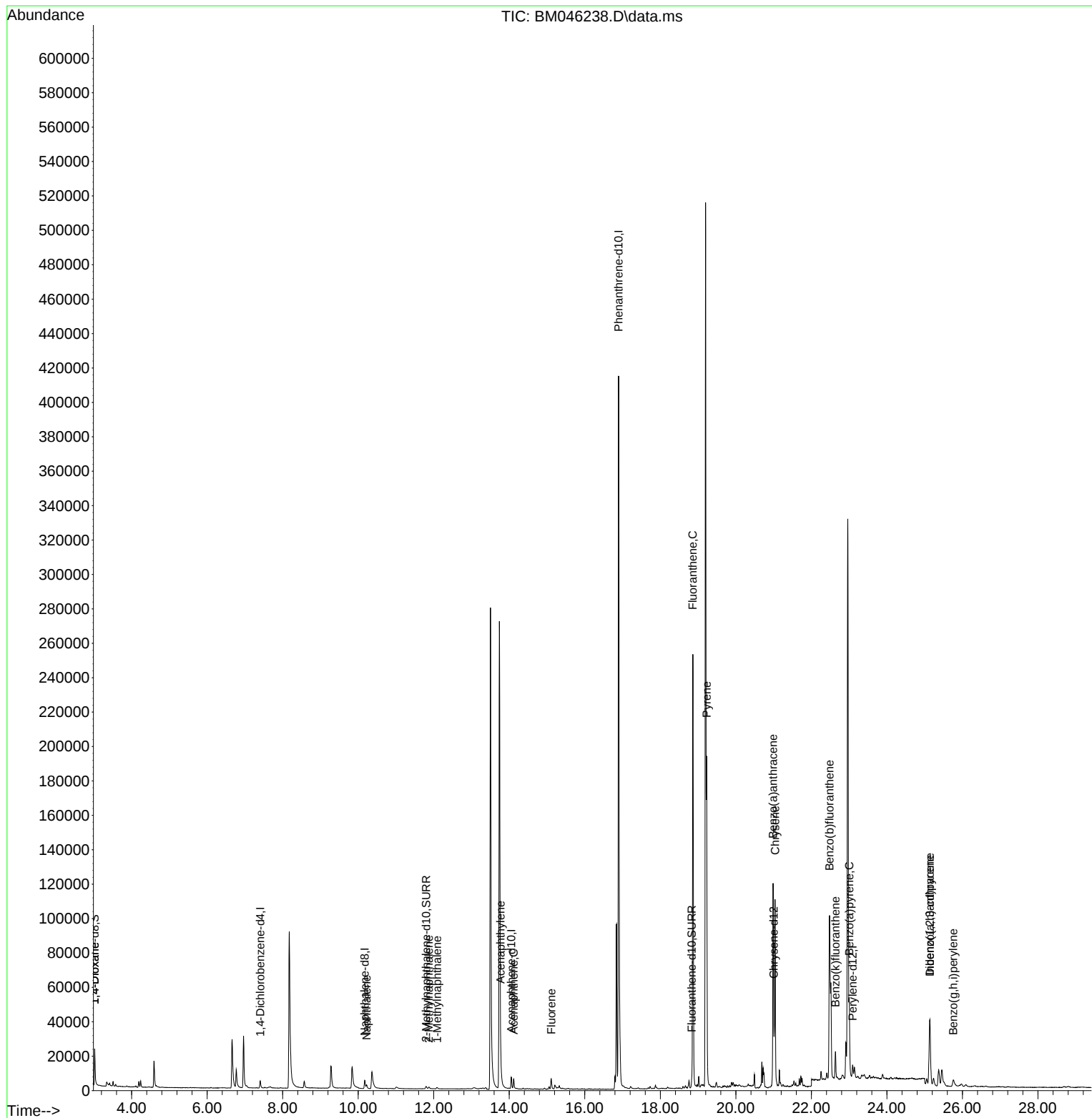
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.405  | 152  | 2488     | 0.400 | ng/ul  | -0.06    |
| 4) Naphthalene-d8           | 10.171 | 136  | 7637     | 0.400 | ng/ul  | -0.08    |
| 9) Acenaphthene-d10         | 14.052 | 164  | 4203     | 0.400 | ng/ul  | -0.06    |
| 13) Phenanthrene-d10        | 16.895 | 188  | 500628   | 0.400 | ng/ul  | # 0.03   |
| 17) Chrysene-d12            | 21.003 | 240  | 6932     | 0.400 | ng/ul  | -0.04    |
| 23) Perylene-d12            | 23.092 | 264  | 10682    | 0.400 | ng/ul  | #-0.05   |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.021  | 96   | 12481    | 3.656 | ng/ul  | -0.03    |
| 6) 2-Methylnaphthalene-d10  | 11.799 | 152  | 2836     | 0.277 | ng/ul  | -0.07    |
| 18) Fluoranthene-d10        | 18.833 | 212  | 6865     | 0.331 | ng/ul  | -0.05    |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        | Qvalue   |
| 2) 1,4-Dioxane              | 3.021  | 88   | 78       | 0.020 | ng/ul# | 1        |
| 5) Naphthalene              | 10.220 | 128  | 3446     | 0.162 | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 11.870 | 142  | 1064     | 0.089 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.090 | 142  | 864      | 0.066 | ng/ul  | 94       |
| 10) Acenaphthylene          | 13.770 | 152  | 7501     | 0.376 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.117 | 153  | 3854     | 0.268 | ng/ul  | 99       |
| 12) Fluorene                | 15.111 | 166  | 4686     | 0.303 | ng/ul  | 98       |
| 19) Fluoranthene            | 18.861 | 202  | 233469   | 7.779 | ng/ul  | 97       |
| 20) Pyrene                  | 19.229 | 202  | 156433   | 4.819 | ng/ul  | 95       |
| 21) Benzo(a)anthracene      | 20.985 | 228  | 101206   | 3.780 | ng/ul  | 99       |
| 22) Chrysene                | 21.038 | 228  | 107582   | 3.148 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.481 | 252  | 208208   | 5.410 | ng/ul  | 84       |
| 25) Benzo(k)fluoranthene    | 22.636 | 252  | 16571    | 0.362 | ng/ul  | 100      |
| 26) Benzo(a)pyrene          | 23.002 | 252  | 52930    | 1.484 | ng/ul# | 76       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.135 | 276  | 55055    | 0.943 | ng/ul# | 94       |
| 28) Dibenzo(a,h)anthracene  | 25.139 | 278  | 17966    | 0.413 | ng/ul  | 98       |
| 29) Benzo(g,h,i)perylene    | 25.759 | 276  | 8138     | 0.163 | ng/ul# | 87       |
| -----                       |        |      |          |       |        |          |

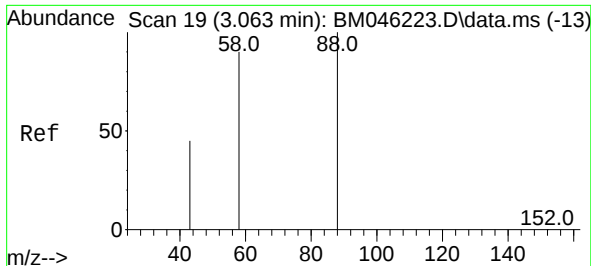
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062224\  
Data File : BM046238.D  
Acq On : 23 Jun 2024 16:53  
Operator : MA/JU  
Sample : P2776-08  
Misc :  
ALS Vial : 53 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

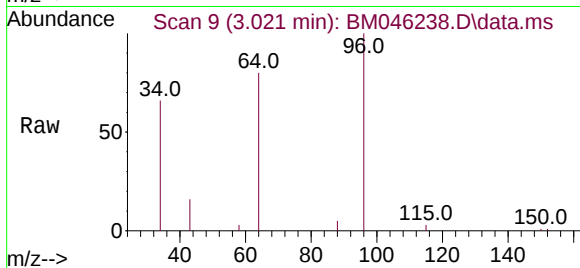
Quant Time: Jun 24 02:32:07 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 24 02:25:34 2024  
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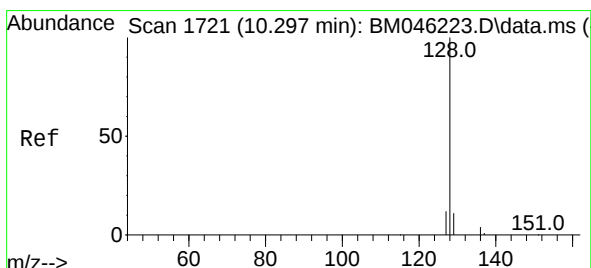
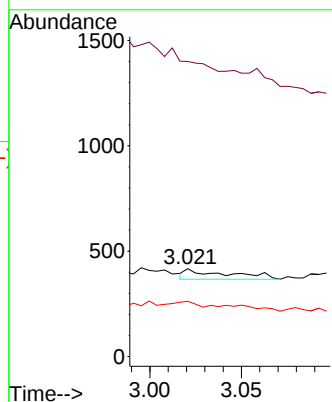
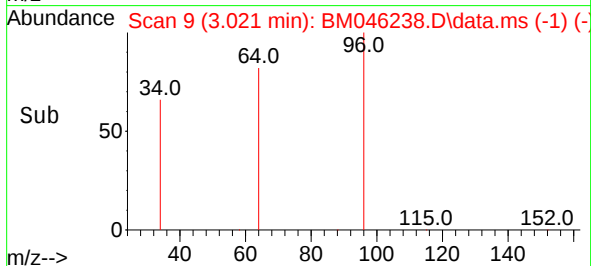


#2  
1,4-Dioxane  
Concen: 0.020 ng/ul  
RT: 3.021 min Scan# 9  
Delta R.T. -0.055 min  
Lab File: BM046238.D  
Acq: 23 Jun 2024 16:53

Instrument :  
BNA\_M  
ClientSampleId :

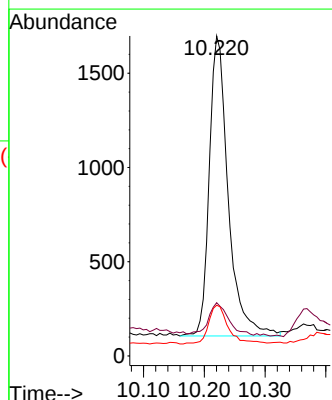
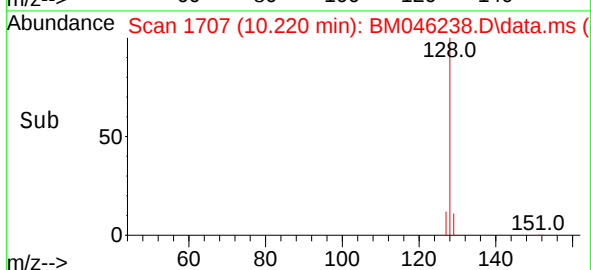
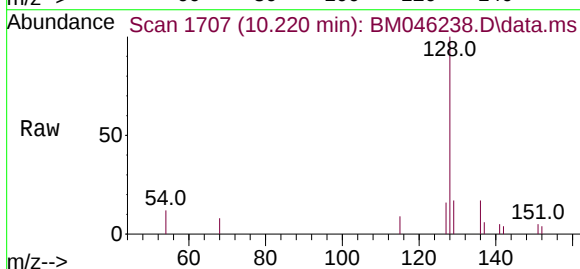


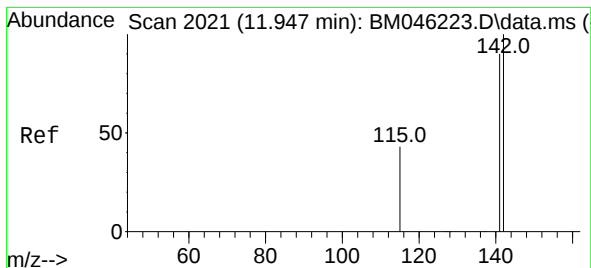
Tgt Ion: 88 Resp: 78  
Ion Ratio Lower Upper  
88 100  
43 335.7 69.8 104.8#  
58 62.8 53.2 79.8



#5  
Naphthalene  
Concen: 0.162 ng/ul  
RT: 10.220 min Scan# 1707  
Delta R.T. -0.083 min  
Lab File: BM046238.D  
Acq: 23 Jun 2024 16:53

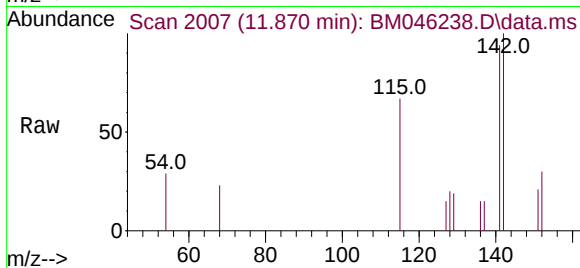
Tgt Ion: 128 Resp: 3446  
Ion Ratio Lower Upper  
128 100  
129 16.7 11.8 17.6  
127 15.8 12.8 19.2



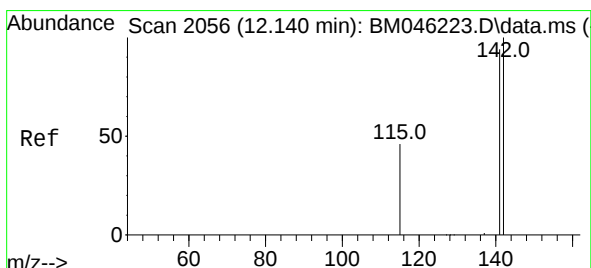
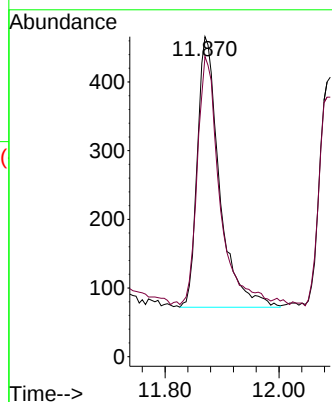
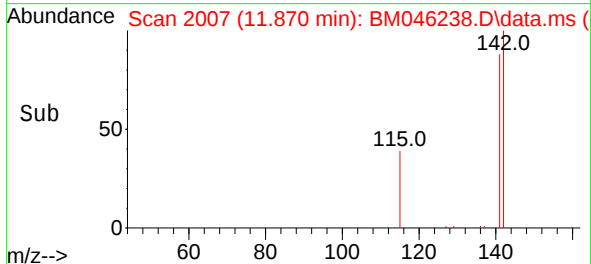


#7  
2-Methylnaphthalene  
Concen: 0.089 ng/ul  
RT: 11.870 min Scan# 2007  
Delta R.T. -0.077 min  
Lab File: BM046238.D  
Acq: 23 Jun 2024 16:53

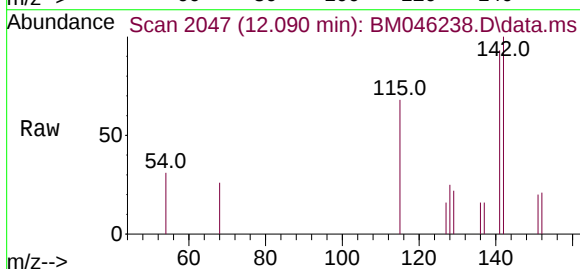
Instrument :  
BNA\_M  
ClientSampleId :



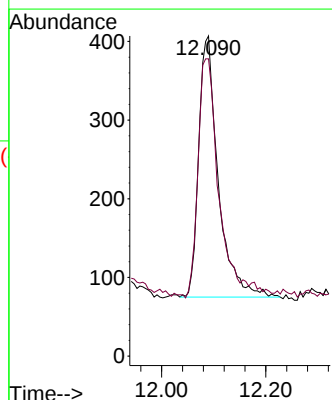
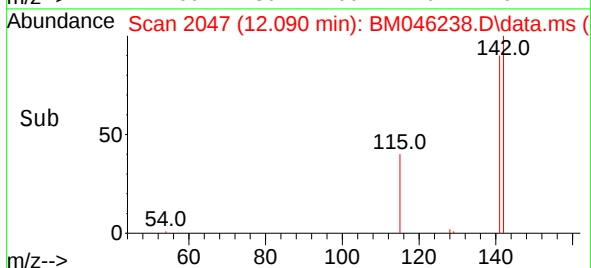
Tgt Ion:142 Resp: 1064  
Ion Ratio Lower Upper  
142 100  
141 92.8 74.6 111.8

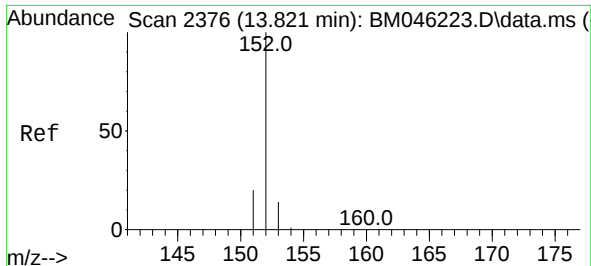


#8  
1-Methylnaphthalene  
Concen: 0.066 ng/ul  
RT: 12.090 min Scan# 2047  
Delta R.T. -0.061 min  
Lab File: BM046238.D  
Acq: 23 Jun 2024 16:53



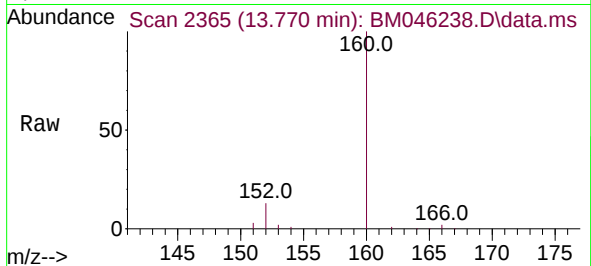
Tgt Ion:142 Resp: 864  
Ion Ratio Lower Upper  
142 100  
141 100.0 75.2 112.8



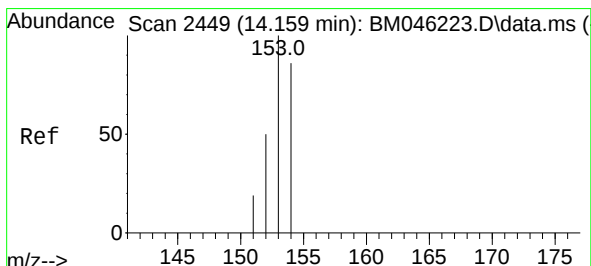
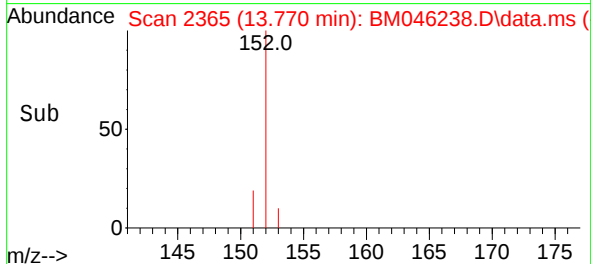
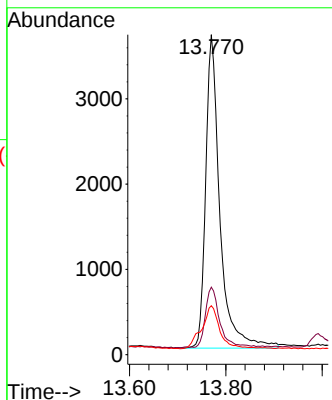


#10  
Acenaphthylene  
Concen: 0.376 ng/ul  
RT: 13.770 min Scan# 2440  
Delta R.T. -0.065 min  
Lab File: BM046238.D  
Acq: 23 Jun 2024 16:53

Instrument :  
BNA\_M  
ClientSampleId :

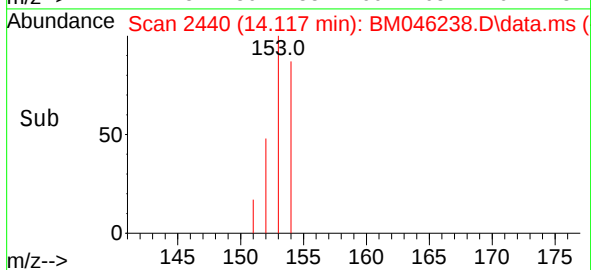
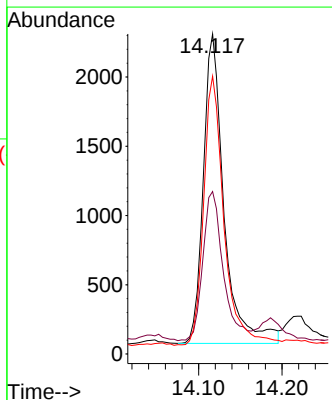
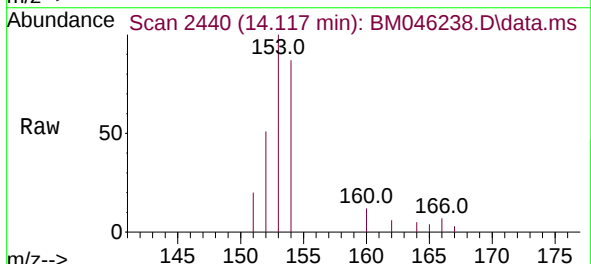


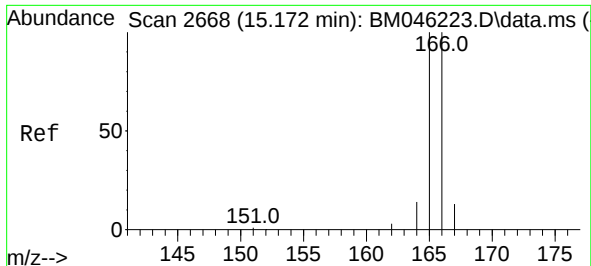
Tgt Ion:152 Resp: 7501  
Ion Ratio Lower Upper  
152 100  
151 21.1 17.4 26.2  
153 15.3 11.8 17.8



#11  
Acenaphthene  
Concen: 0.268 ng/ul  
RT: 14.117 min Scan# 2440  
Delta R.T. -0.056 min  
Lab File: BM046238.D  
Acq: 23 Jun 2024 16:53

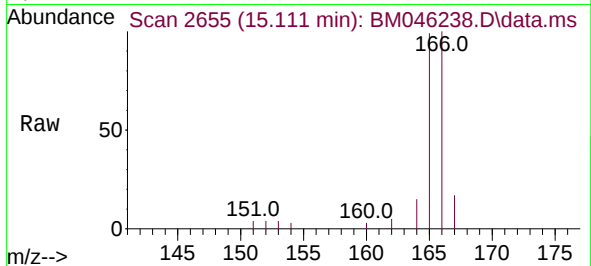
Tgt Ion:153 Resp: 3854  
Ion Ratio Lower Upper  
153 100  
152 50.8 41.3 61.9  
154 86.8 68.2 102.4



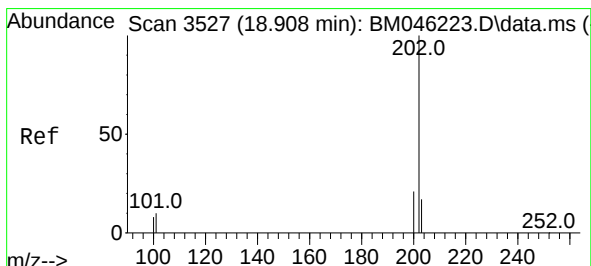
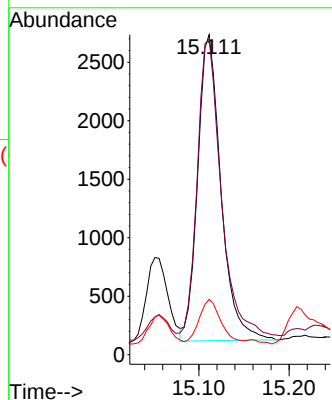
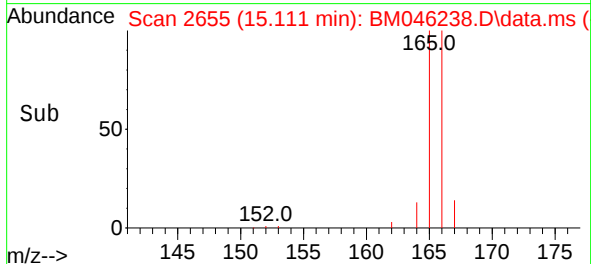


#12  
Fluorene  
Concen: 0.303 ng/ul  
RT: 15.111 min Scan# 20  
Delta R.T. -0.069 min  
Lab File: BM046238.D  
Acq: 23 Jun 2024 16:53

Instrument :  
BNA\_M  
ClientSampleId :

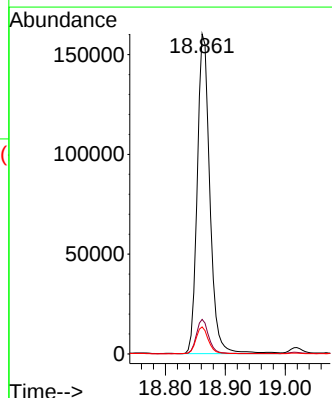
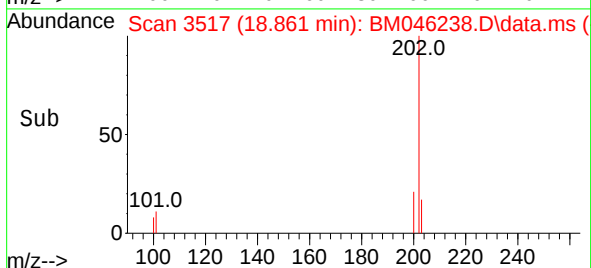
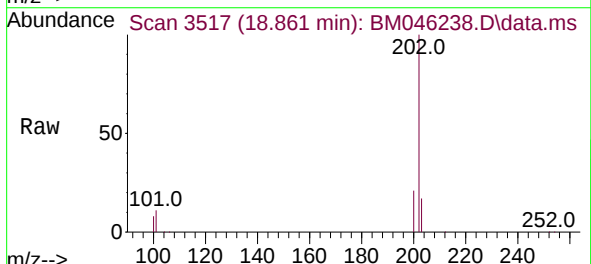


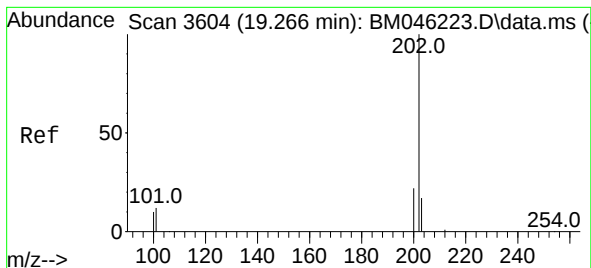
Tgt Ion:166 Resp: 4686  
Ion Ratio Lower Upper  
166 100  
165 98.6 80.4 120.6  
167 17.3 12.4 18.6



#19  
Fluoranthene  
Concen: 7.779 ng/ul  
RT: 18.861 min Scan# 3517  
Delta R.T. -0.056 min  
Lab File: BM046238.D  
Acq: 23 Jun 2024 16:53

Tgt Ion:202 Resp: 233469  
Ion Ratio Lower Upper  
202 100  
101 10.8 9.6 14.4  
100 8.5 7.6 11.4





#20

Pyrene

Concen: 4.819 ng/ul

RT: 19.229 min Scan# 3

Delta R.T. -0.046 min

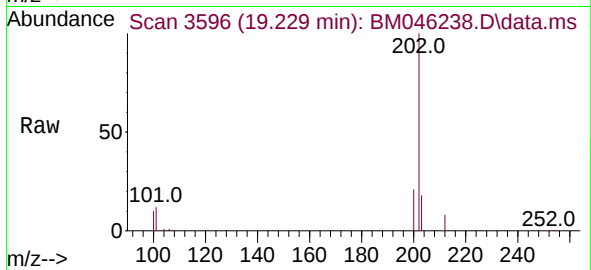
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Acq: 23 Jun 2024 16:53

Instrument :

BNA\_M

ClientSampleId :



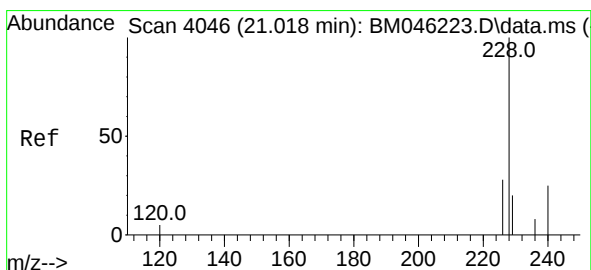
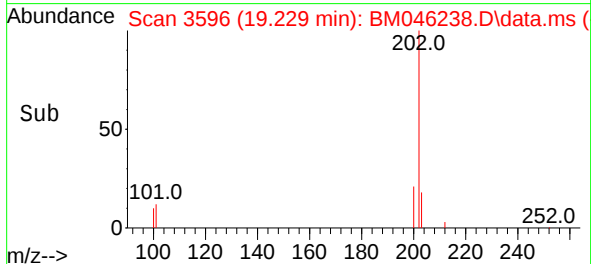
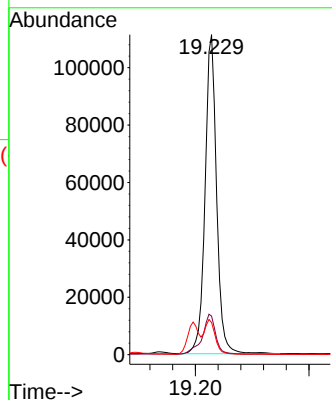
Tgt Ion:202 Resp: 156433

Ion Ratio Lower Upper

202 100

101 12.1 11.3 16.9

100 10.0 9.8 14.6



#21

Benzo(a)anthracene

Concen: 3.780 ng/ul

RT: 20.985 min Scan# 4035

Delta R.T. -0.044 min

Lab File: BM046238.D

Acq: 23 Jun 2024 16:53

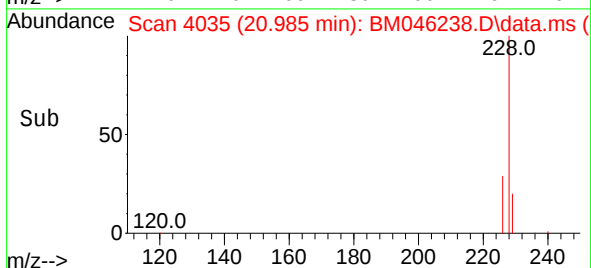
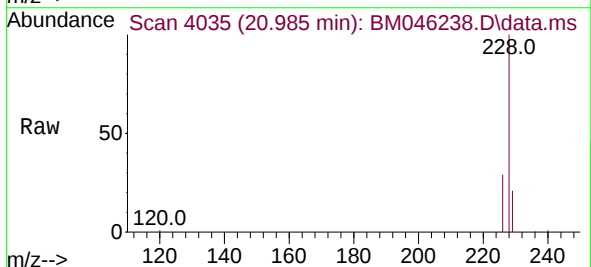
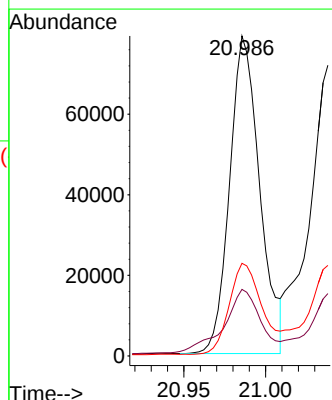
Tgt Ion:228 Resp: 101206

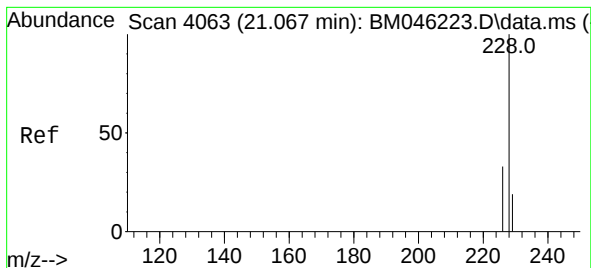
Ion Ratio Lower Upper

228 100

229 20.8 16.4 24.6

226 28.9 23.4 35.2





#22

Chrysene

Concen: 3.148 ng/ul

RT: 21.038 min Scan# 4053

Delta R.T. -0.038 min

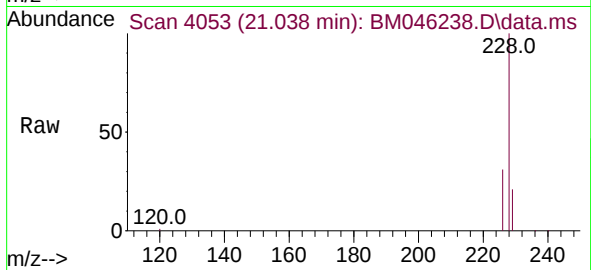
Lab File: BM046238.D

Acq: 23 Jun 2024 16:53

Instrument :

BNA\_M

ClientSampleId :



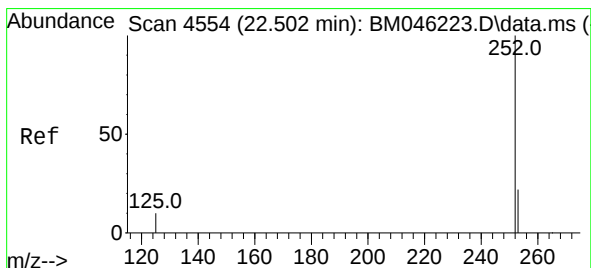
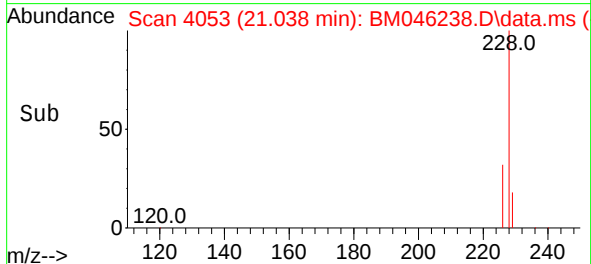
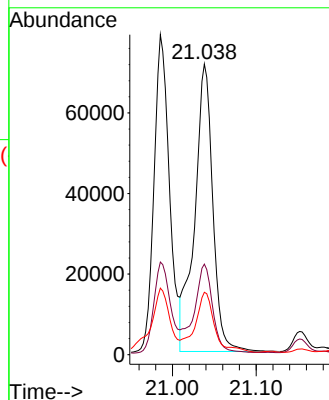
Tgt Ion:228 Resp: 107582

Ion Ratio Lower Upper

228 100

226 31.2 25.2 37.8

229 21.5 16.3 24.5



#24

Benzo(b)fluoranthene

Concen: 5.410 ng/ul

RT: 22.481 min Scan# 4547

Delta R.T. -0.038 min

Lab File: BM046238.D

Acq: 23 Jun 2024 16:53

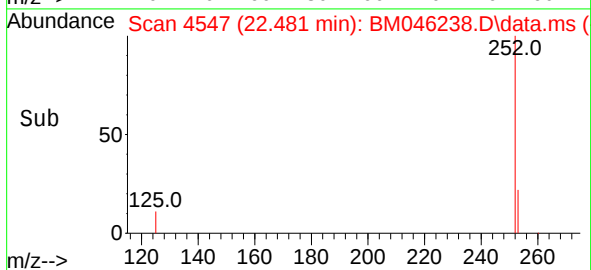
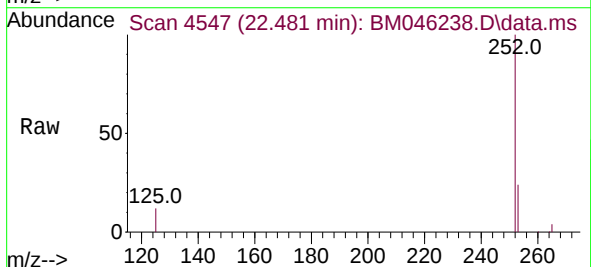
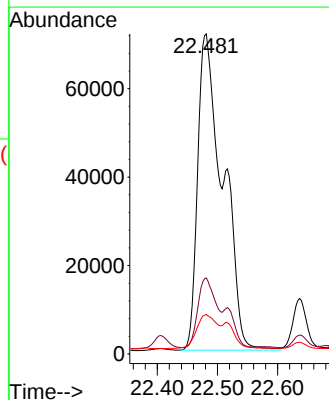
Tgt Ion:252 Resp: 208208

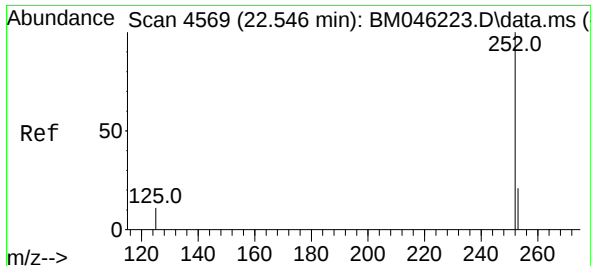
Ion Ratio Lower Upper

252 100

253 23.7 0.0 65.8

125 12.4 0.0 40.2





#25

Benzo(k)fluoranthene

Concen: 0.362 ng/ul

RT: 22.636 min Scan# 4

Delta R.T. 0.073 min

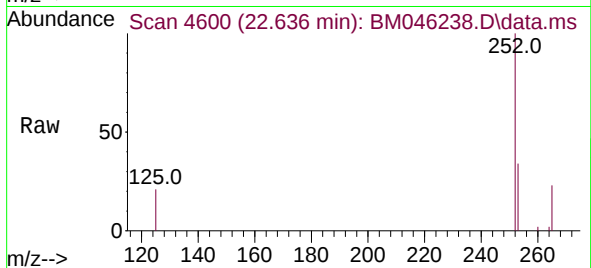
Lab File: BM046238.D

Acq: 23 Jun 2024 16:53

Instrument :

BNA\_M

ClientSampleId :



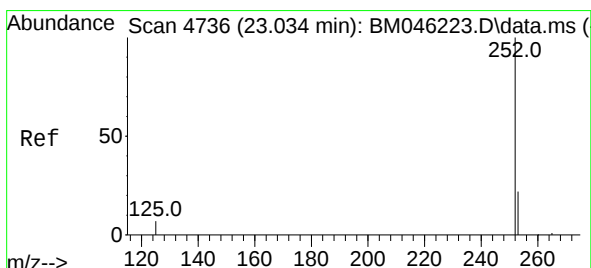
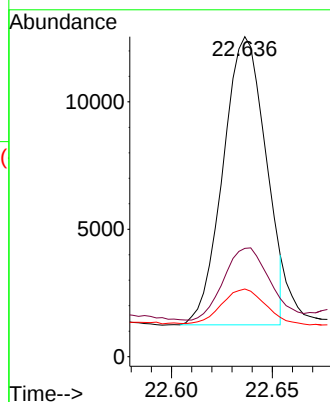
Tgt Ion:252 Resp: 16571

Ion Ratio Lower Upper

252 100

253 33.9 27.2 40.8

125 21.2 16.6 25.0



#26

Benzo(a)pyrene

Concen: 1.484 ng/ul

RT: 23.002 min Scan# 4725

Delta R.T. -0.053 min

Lab File: BM046238.D

Acq: 23 Jun 2024 16:53

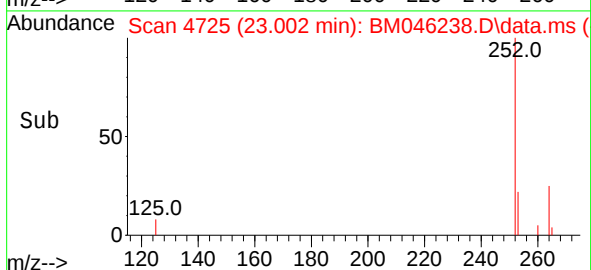
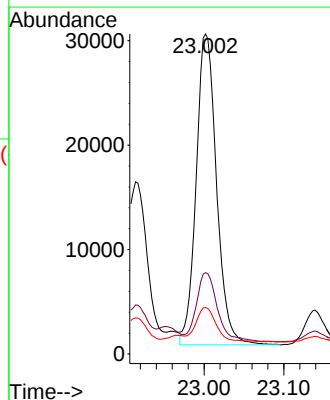
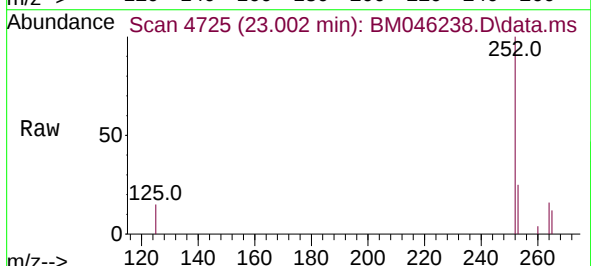
Tgt Ion:252 Resp: 52930

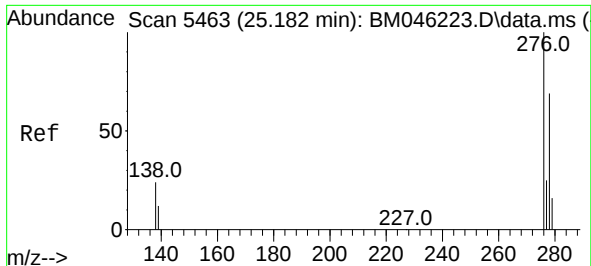
Ion Ratio Lower Upper

252 100

253 25.4 32.1 48.1#

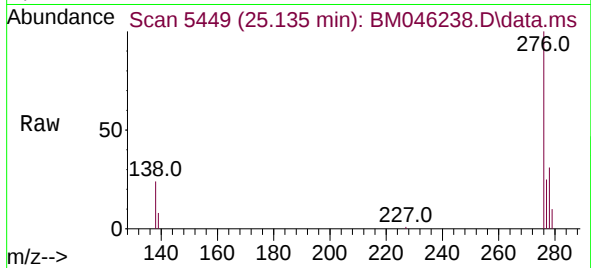
125 14.5 21.2 31.8#



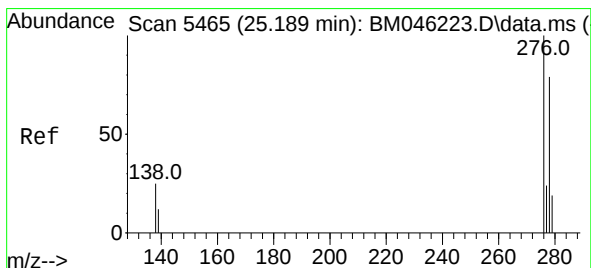
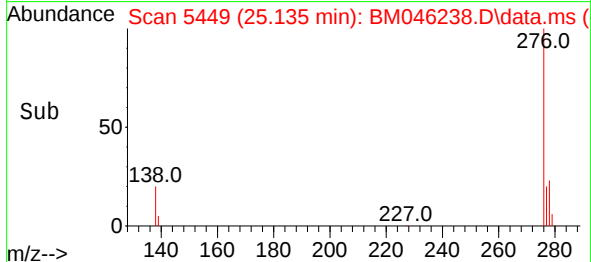
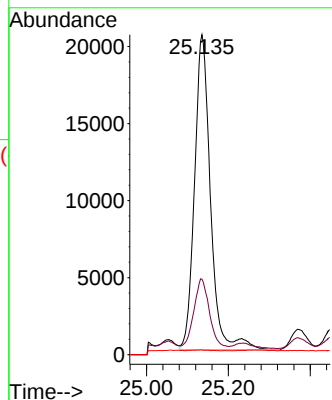


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.943 ng/ul  
RT: 25.135 min Scan# 5449  
Delta R.T. -0.067 min  
Lab File: BM046238.D  
Acq: 23 Jun 2024 16:53

Instrument :  
BNA\_M  
ClientSampleId :

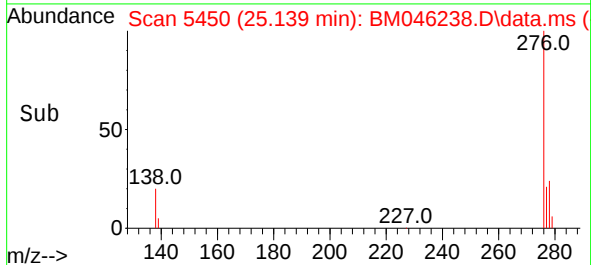
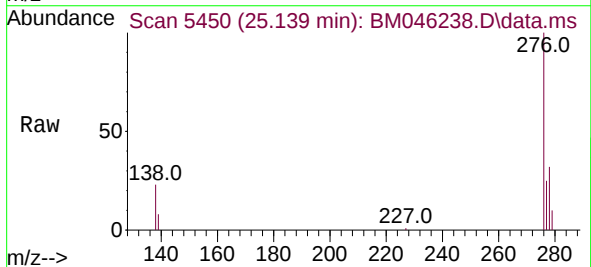
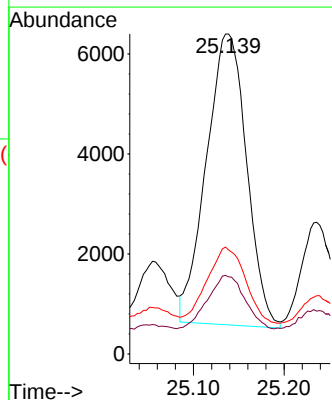


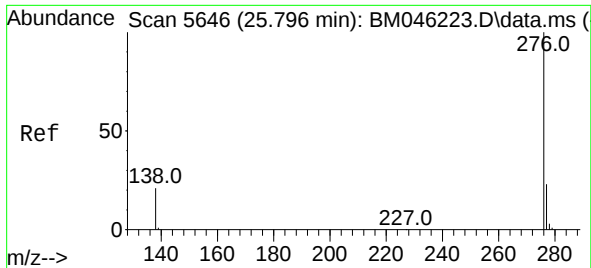
Tgt Ion:276 Resp: 55055  
Ion Ratio Lower Upper  
276 100  
138 23.0 21.0 31.4  
227 0.7 0.0 0.0#



#28  
Dibenzo(a,h)anthracene  
Concen: 0.413 ng/ul  
RT: 25.139 min Scan# 5450  
Delta R.T. -0.077 min  
Lab File: BM046238.D  
Acq: 23 Jun 2024 16:53

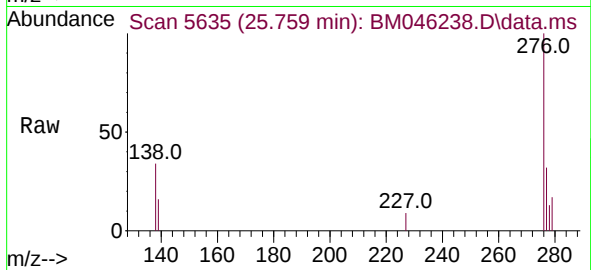
Tgt Ion:278 Resp: 17966  
Ion Ratio Lower Upper  
278 100  
139 24.1 17.6 26.4  
279 32.5 26.3 39.5





#29  
 Benzo(g,h,i)perylene  
 Concen: 0.163 ng/ul  
 RT: 25.759 min Scan# 5  
 Delta R.T. -0.070 min  
 Lab File: BM046238.D  
 Acq: 23 Jun 2024 16:53

Instrument :  
 BNA\_M  
 ClientSampleId :



Tgt Ion:276 Resp: 8138  
 Ion Ratio Lower Upper  
 276 100  
 138 33.9 21.7 32.5#  
 277 32.4 20.4 30.6#

