

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062224\  
 Data File : BM046237.D  
 Acq On : 23 Jun 2024 16:16  
 Operator : MA/JU  
 Sample : P2776-09  
 Misc :  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Jun 24 02:31:53 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

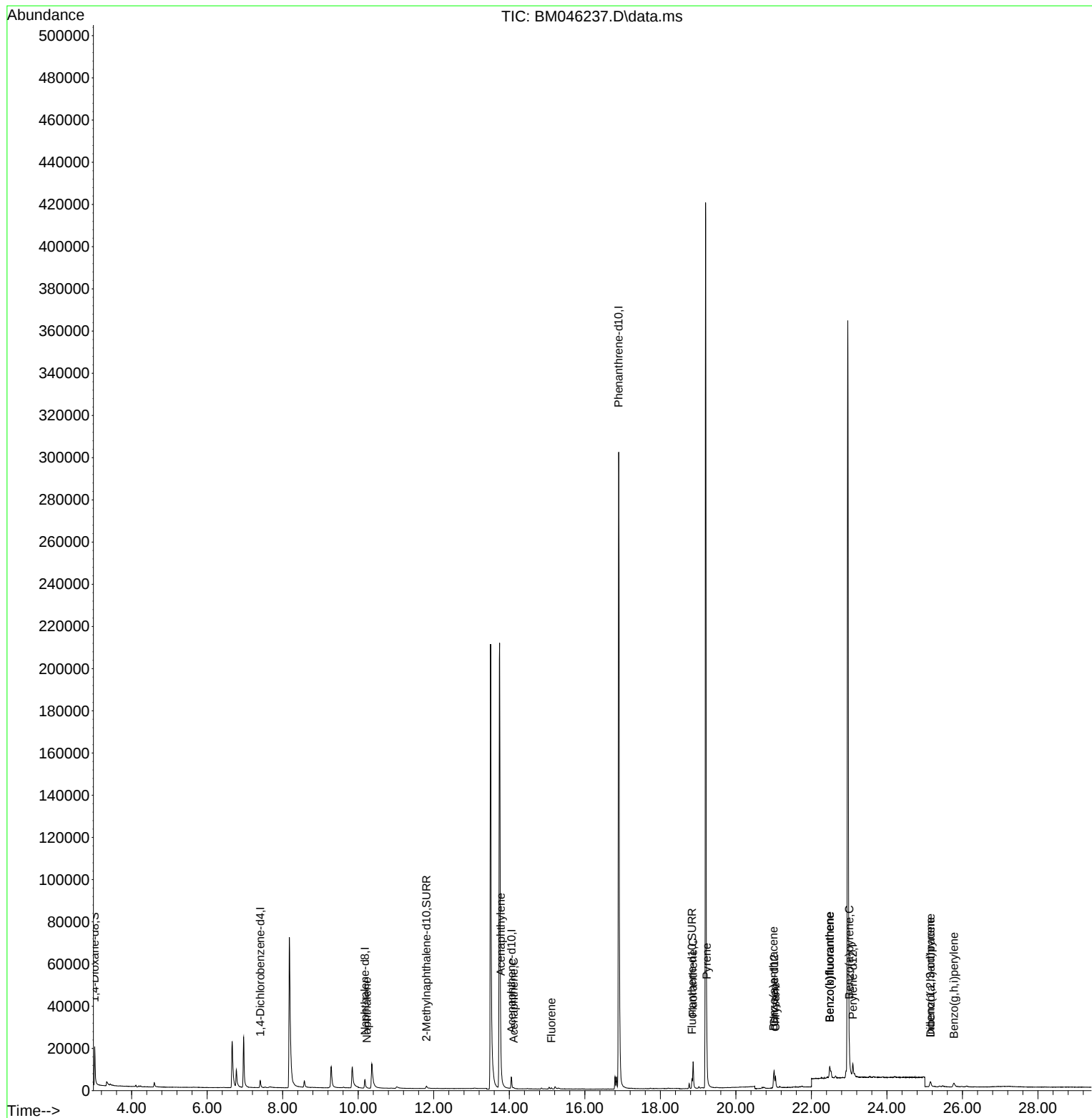
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.405  | 152  | 2095     | 0.400 | ng/ul  | -0.06    |
| 4) Naphthalene-d8           | 10.178 | 136  | 6452     | 0.400 | ng/ul  | -0.08    |
| 9) Acenaphthene-d10         | 14.058 | 164  | 3611     | 0.400 | ng/ul  | -0.05    |
| 13) Phenanthrene-d10        | 16.896 | 188  | 400676   | 0.400 | ng/ul  | # 0.04   |
| 17) Chrysene-d12            | 21.014 | 240  | 5736     | 0.400 | ng/ul  | -0.03    |
| 23) Perylene-d12            | 23.098 | 264  | 10574    | 0.400 | ng/ul  | #-0.04   |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.021  | 96   | 10774    | 3.748 | ng/ul  | -0.03    |
| 6) 2-Methylnaphthalene-d10  | 11.805 | 152  | 2345     | 0.271 | ng/ul  | -0.06    |
| 18) Fluoranthene-d10        | 18.840 | 212  | 5141     | 0.299 | ng/ul  | -0.05    |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        | Qvalue   |
| 5) Naphthalene              | 10.227 | 128  | 416      | 0.023 | ng/ul# | 49       |
| 10) Acenaphthylene          | 13.771 | 152  | 939      | 0.055 | ng/ul# | 66       |
| 11) Acenaphthene            | 14.118 | 153  | 296      | 0.024 | ng/ul# | 87       |
| 12) Fluorene                | 15.113 | 166  | 517      | 0.039 | ng/ul# | 90       |
| 19) Fluoranthene            | 18.867 | 202  | 12774    | 0.514 | ng/ul  | 99       |
| 20) Pyrene                  | 19.230 | 202  | 11526    | 0.429 | ng/ul# | 95       |
| 21) Benzo(a)anthracene      | 20.997 | 228  | 5742     | 0.259 | ng/ul# | 90       |
| 22) Chrysene                | 21.049 | 228  | 5699     | 0.202 | ng/ul# | 93       |
| 24) Benzo(b)fluoranthene    | 22.484 | 252  | 12024    | 0.316 | ng/ul  | 80       |
| 25) Benzo(k)fluoranthene    | 22.484 | 252  | 12024    | 0.265 | ng/ul# | 82       |
| 26) Benzo(a)pyrene          | 23.004 | 252  | 5314     | 0.151 | ng/ul# | 84       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.152 | 276  | 4421     | 0.077 | ng/ul# | 91       |
| 28) Dibenzo(a,h)anthracene  | 25.158 | 278  | 1130     | 0.026 | ng/ul# | 1        |
| 29) Benzo(g,h,i)perylene    | 25.772 | 276  | 4458     | 0.090 | ng/ul# | 78       |
| -----                       |        |      |          |       |        |          |

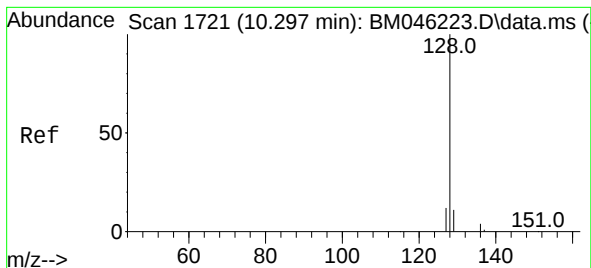
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062224\  
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BNA\_M  
ClientSampleId :

Quant Time: Jun 24 02:31:53 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





#5

Naphthalene

Concen: 0.023 ng/ul

RT: 10.227 min Scan# 1

Delta R.T. -0.076 min

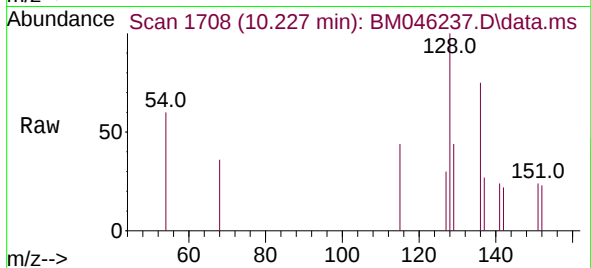
Lab File: BM046237.D

Acq: 23 Jun 2024 16:16

Instrument :

BNA\_M

ClientSampleId :



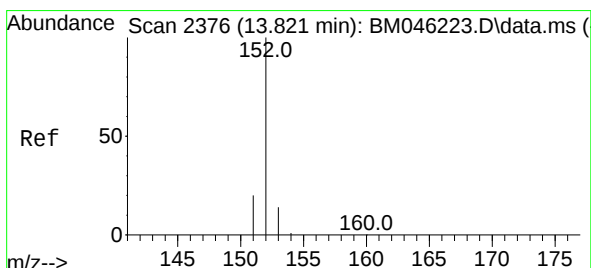
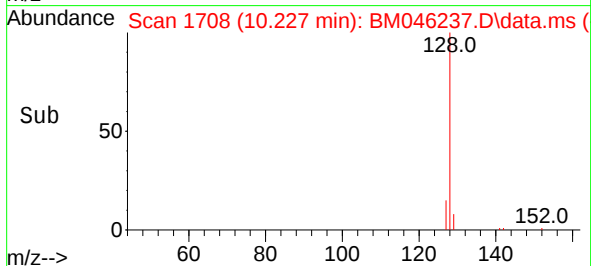
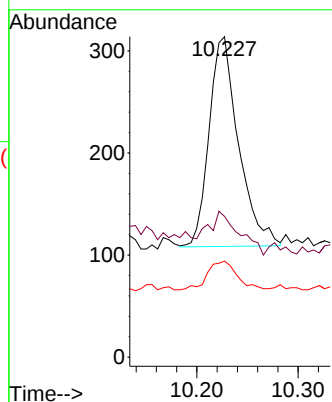
Tgt Ion:128 Resp: 416

Ion Ratio Lower Upper

128 100

129 43.9 11.8 17.6#

127 29.9 12.8 19.2#



#10

Acenaphthylene

Concen: 0.055 ng/ul

RT: 13.771 min Scan# 2365

Delta R.T. -0.063 min

Lab File: BM046237.D

Acq: 23 Jun 2024 16:16

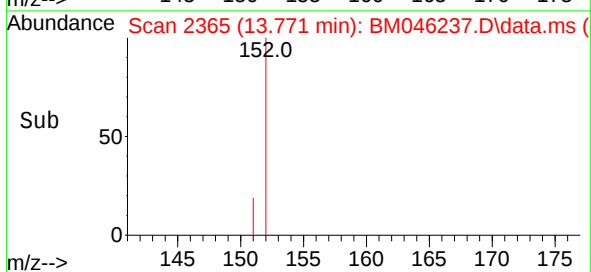
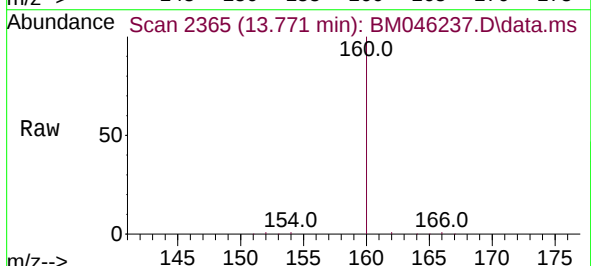
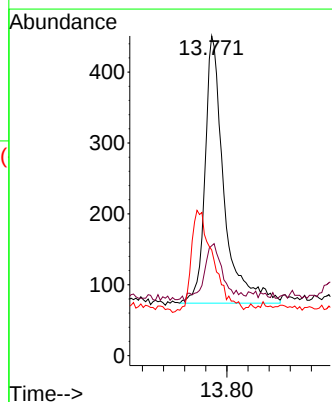
Tgt Ion:152 Resp: 939

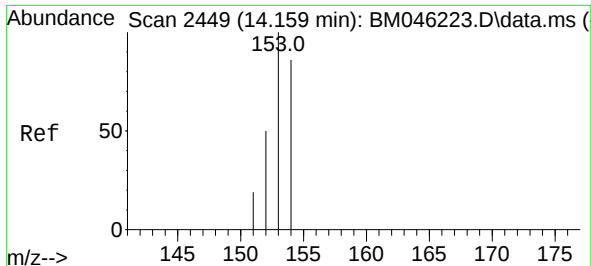
Ion Ratio Lower Upper

152 100

151 34.4 17.4 26.2#

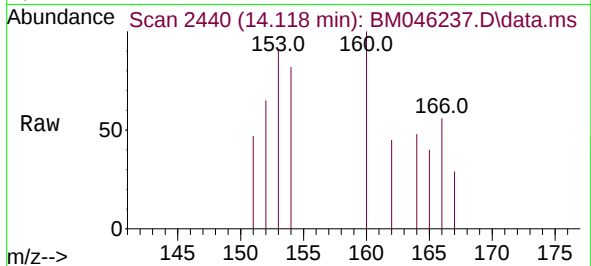
153 33.0 11.8 17.8#



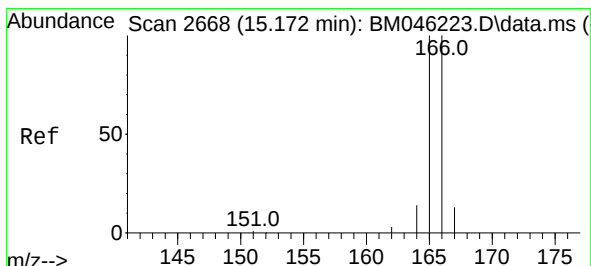
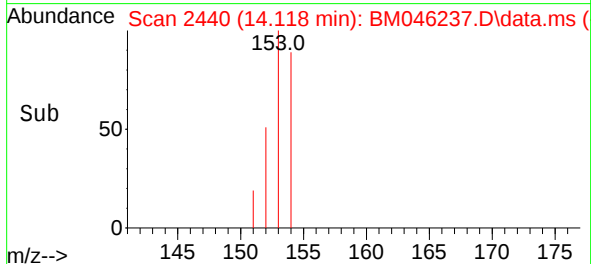
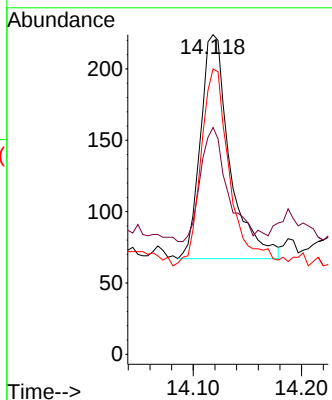


#11  
Acenaphthene  
Concen: 0.024 ng/ul  
RT: 14.118 min Scan# 2440  
Delta R.T. -0.054 min  
Lab File: BM046237.D  
Acq: 23 Jun 2024 16:16

Instrument :  
BNA\_M  
ClientSampleId :

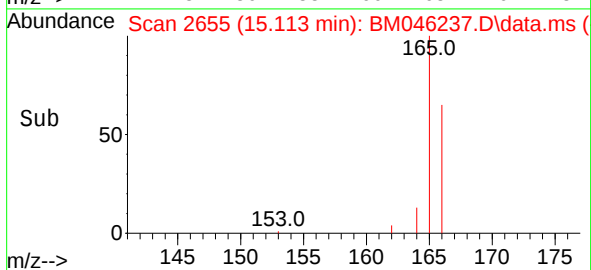
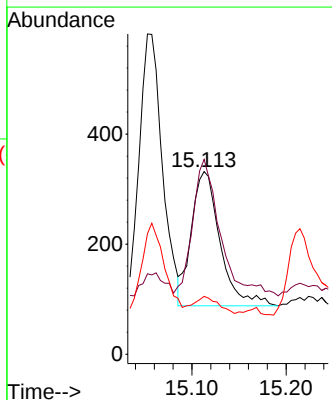
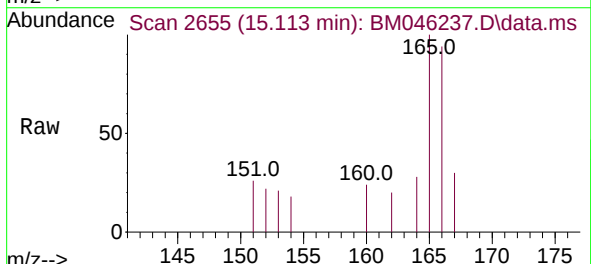


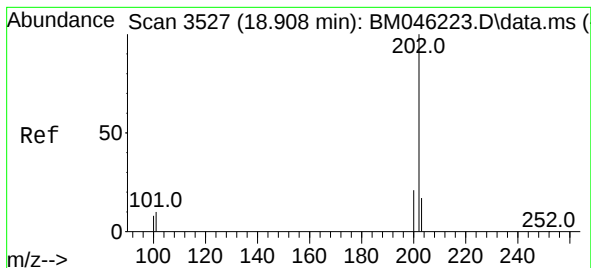
Tgt Ion:153 Resp: 296  
Ion Ratio Lower Upper  
153 100  
152 71.0 41.3 61.9#  
154 89.3 68.2 102.4



#12  
Fluorene  
Concen: 0.039 ng/ul  
RT: 15.113 min Scan# 2655  
Delta R.T. -0.068 min  
Lab File: BM046237.D  
Acq: 23 Jun 2024 16:16

Tgt Ion:166 Resp: 517  
Ion Ratio Lower Upper  
166 100  
165 106.6 80.4 120.6  
167 31.6 12.4 18.6#





#19

Fluoranthene

Concen: 0.514 ng/ul

RT: 18.867 min Scan# 3518

Delta R.T. -0.050 min

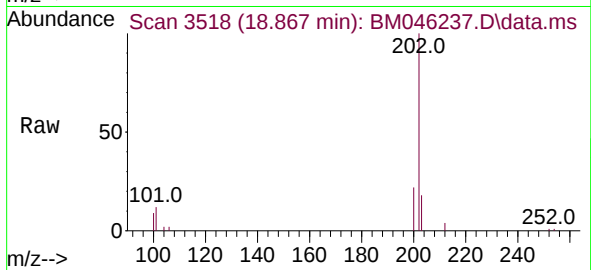
Lab File: BM046237.D

Acq: 23 Jun 2024 16:16

Instrument :

BNA\_M

ClientSampleId :



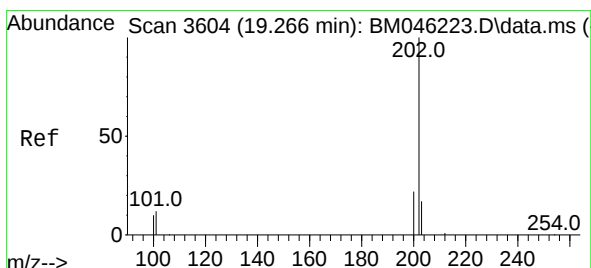
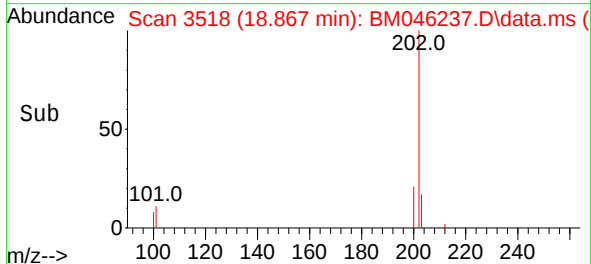
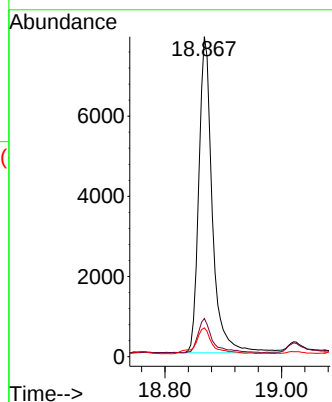
Tgt Ion:202 Resp: 12774

Ion Ratio Lower Upper

202 100

101 12.0 9.6 14.4

100 9.0 7.6 11.4



#20

Pyrene

Concen: 0.429 ng/ul

RT: 19.230 min Scan# 3596

Delta R.T. -0.045 min

Lab File: BM046237.D

Acq: 23 Jun 2024 16:16

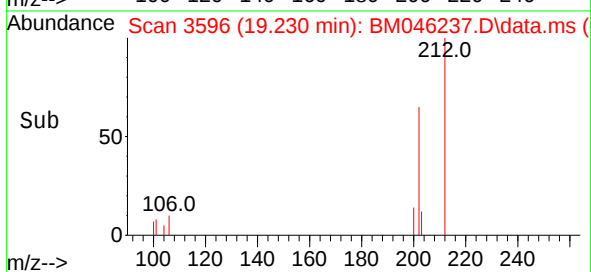
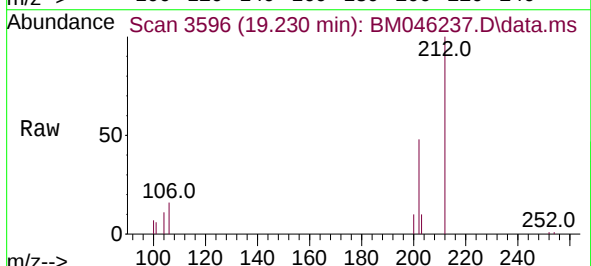
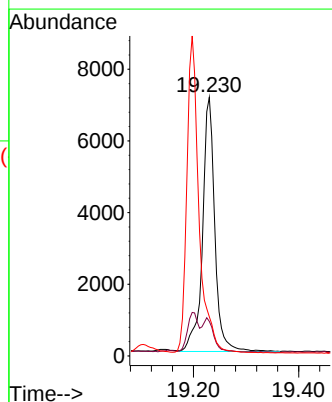
Tgt Ion:202 Resp: 11526

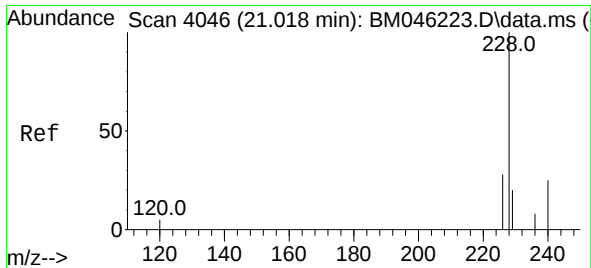
Ion Ratio Lower Upper

202 100

101 13.3 11.3 16.9

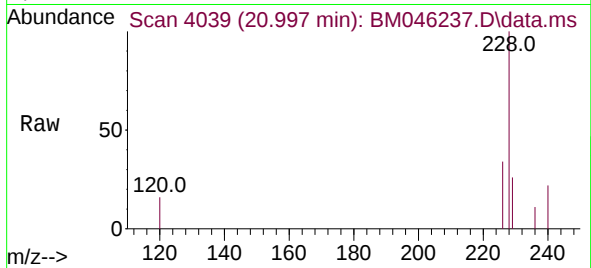
100 15.2 9.8 14.6#



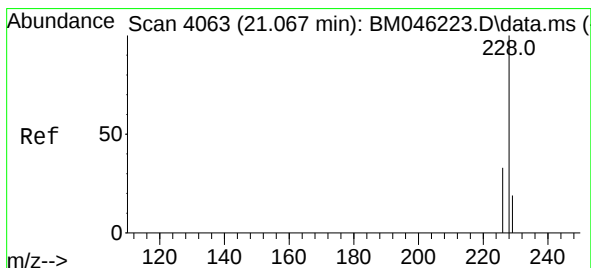
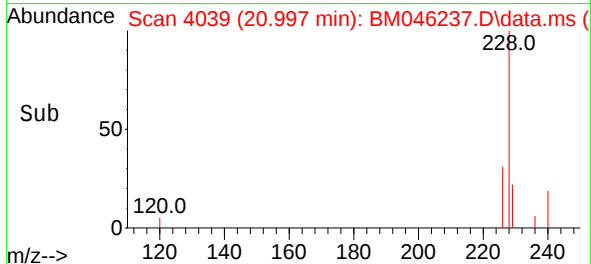
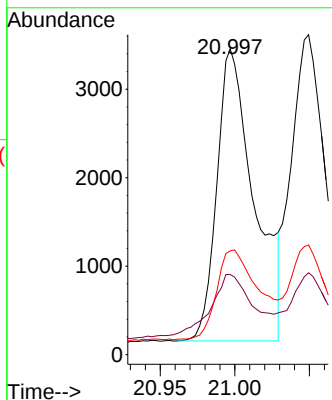


#21  
Benzo(a)anthracene  
Concen: 0.259 ng/ul  
RT: 20.997 min Scan# 4039  
Delta R.T. -0.032 min  
Lab File: BM046237.D  
Acq: 23 Jun 2024 16:16

Instrument :  
BNA\_M  
ClientSampleId :

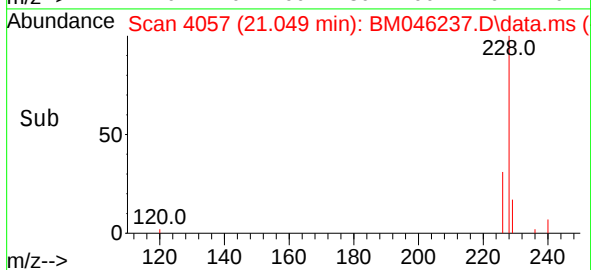
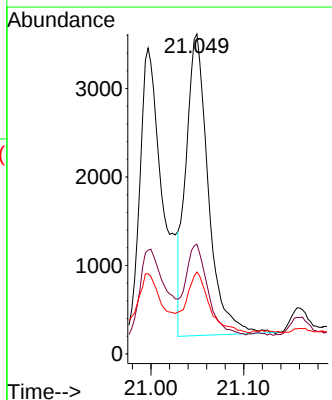
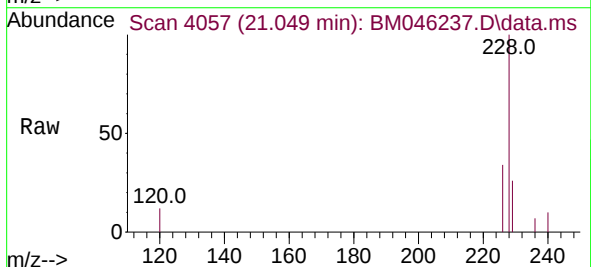


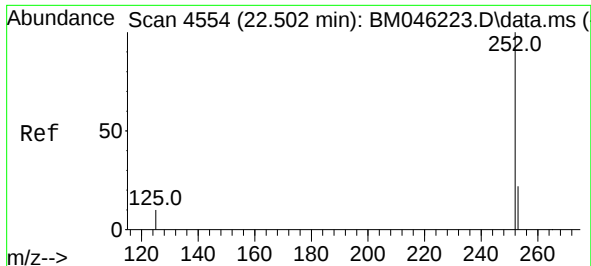
Tgt Ion:228 Resp: 5742  
Ion Ratio Lower Upper  
228 100  
229 26.2 16.4 24.6#  
226 33.9 23.4 35.2



#22  
Chrysene  
Concen: 0.202 ng/ul  
RT: 21.049 min Scan# 4057  
Delta R.T. -0.027 min  
Lab File: BM046237.D  
Acq: 23 Jun 2024 16:16

Tgt Ion:228 Resp: 5699  
Ion Ratio Lower Upper  
228 100  
226 34.3 25.2 37.8  
229 25.6 16.3 24.5#





#24

Benzo(b)fluoranthene

Concen: 0.316 ng/ul

RT: 22.484 min Scan# 4548

Delta R.T. -0.035 min

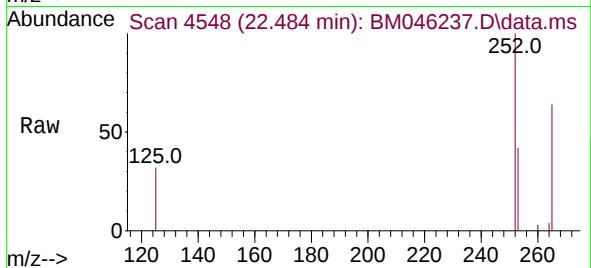
Lab File: BM046237.D

Acq: 23 Jun 2024 16:16

Instrument :

BNL\_M

ClientSampleId :



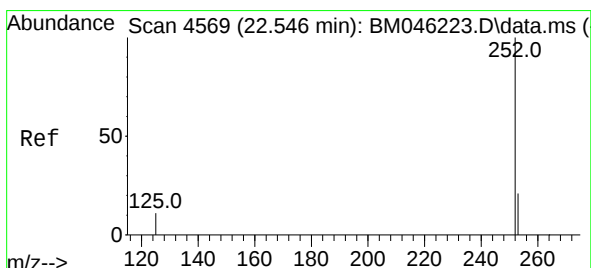
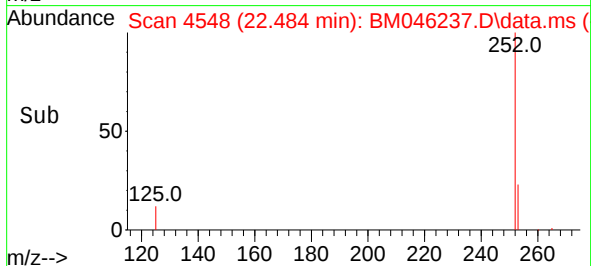
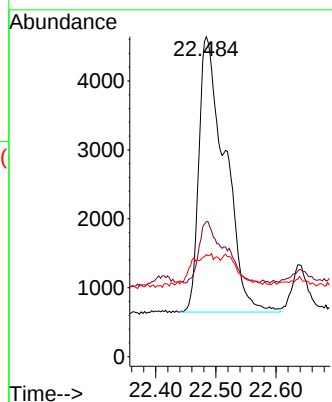
Tgt Ion:252 Resp: 12024

Ion Ratio Lower Upper

252 100

253 42.2 0.0 65.8

125 31.9 0.0 40.2



#25

Benzo(k)fluoranthene

Concen: 0.265 ng/ul

RT: 22.484 min Scan# 4548

Delta R.T. -0.079 min

Lab File: BM046237.D

Acq: 23 Jun 2024 16:16

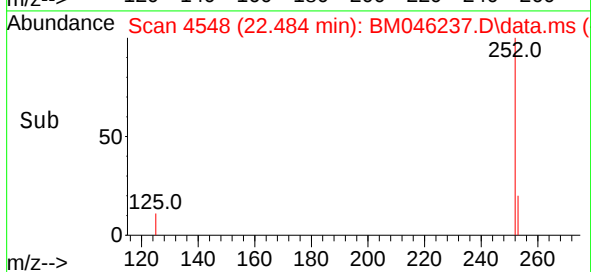
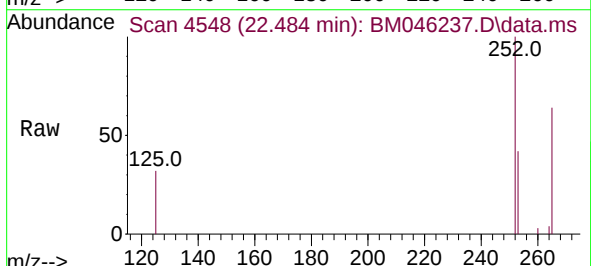
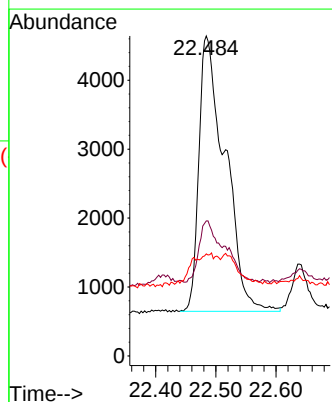
Tgt Ion:252 Resp: 12024

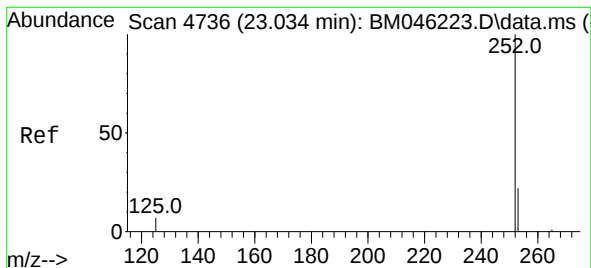
Ion Ratio Lower Upper

252 100

253 42.2 27.2 40.8#

125 31.9 16.6 25.0#





#26

Benzo(a)pyrene

Concen: 0.151 ng/ul

RT: 23.004 min Scan# 4

Delta R.T. -0.050 min

Lab File: BM046237.D

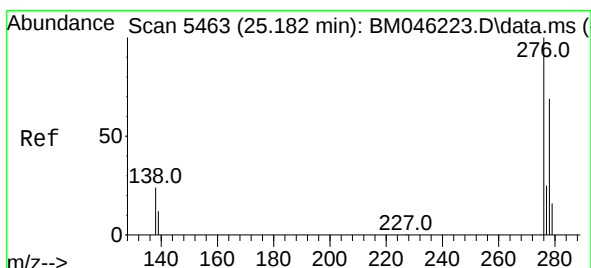
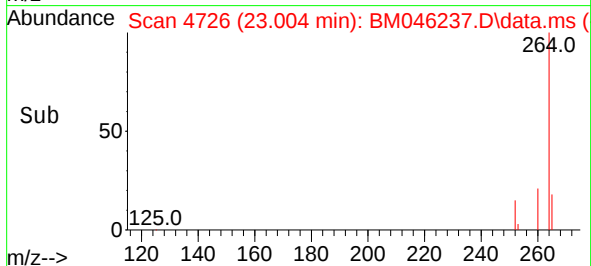
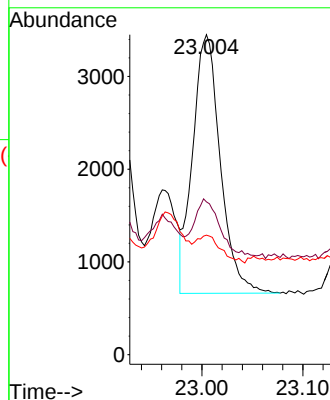
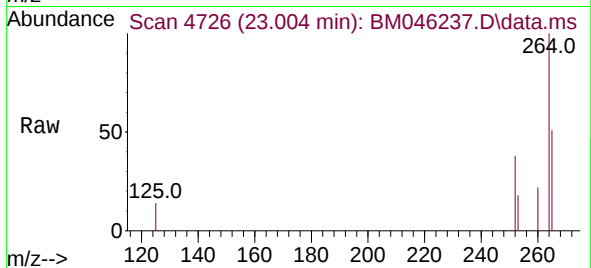
Acq: 23 Jun 2024 16:16

Instrument :

BNA\_M

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:252 | Resp: | 5314       |
| Ion Ratio   | Lower | Upper      |
| 252         | 100   |            |
| 253         | 47.8  | 32.1 48.1  |
| 125         | 37.3  | 21.2 31.8# |



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.077 ng/ul

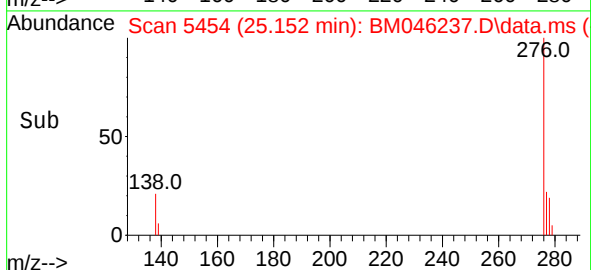
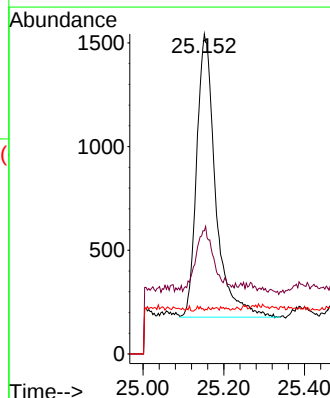
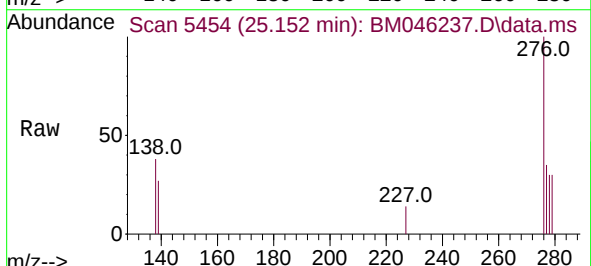
RT: 25.152 min Scan# 5454

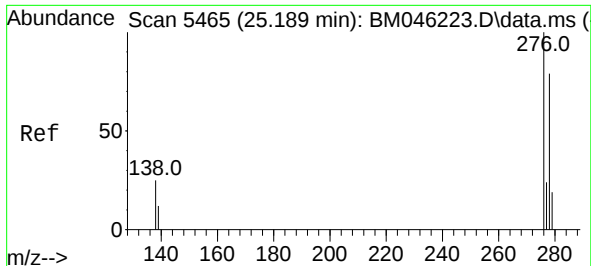
Delta R.T. -0.051 min

Lab File: BM046237.D

Acq: 23 Jun 2024 16:16

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:276 | Resp: | 4421      |
| Ion Ratio   | Lower | Upper     |
| 276         | 100   |           |
| 138         | 21.6  | 21.0 31.4 |
| 227         | 0.2   | 0.0 0.0#  |





#28

Dibenzo(a,h)anthracene

Concen: 0.026 ng/ul

RT: 25.158 min Scan# 5465

Delta R.T. -0.057 min

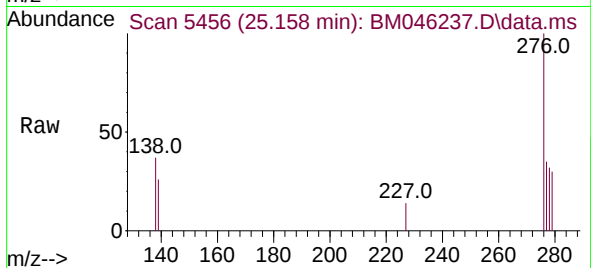
Lab File: BM046237.D

Acq: 23 Jun 2024 16:16

Instrument :

BNA\_M

ClientSampleId :



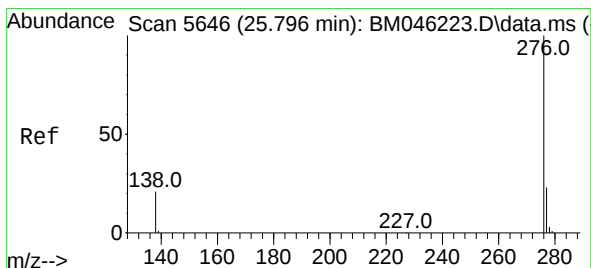
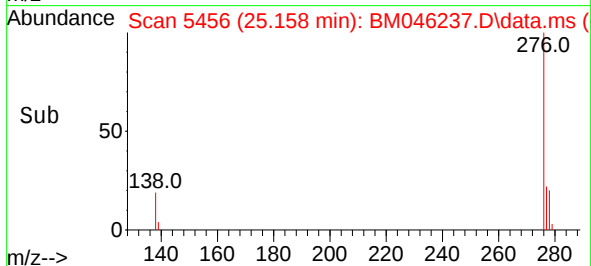
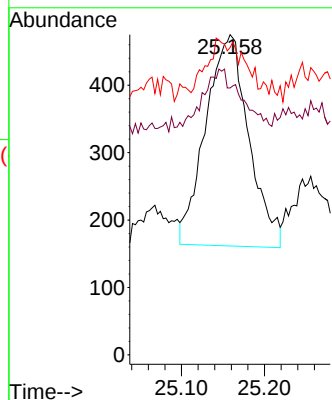
Tgt Ion:278 Resp: 1130

Ion Ratio Lower Upper

278 100

139 83.4 17.6 26.4#

279 96.0 26.3 39.5#



#29

Benzo(g,h,i)perylene

Concen: 0.090 ng/ul

RT: 25.772 min Scan# 5639

Delta R.T. -0.057 min

Lab File: BM046237.D

Acq: 23 Jun 2024 16:16

Tgt Ion:276 Resp: 4458

Ion Ratio Lower Upper

276 100

138 39.3 21.7 32.5#

277 35.4 20.4 30.6#

