

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071524\  
 Data File : BM046604.D  
 Acq On : 15 Jul 2024 20:05  
 Operator : MA/JU  
 Sample : P3088-13  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Jul 16 00:25:01 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

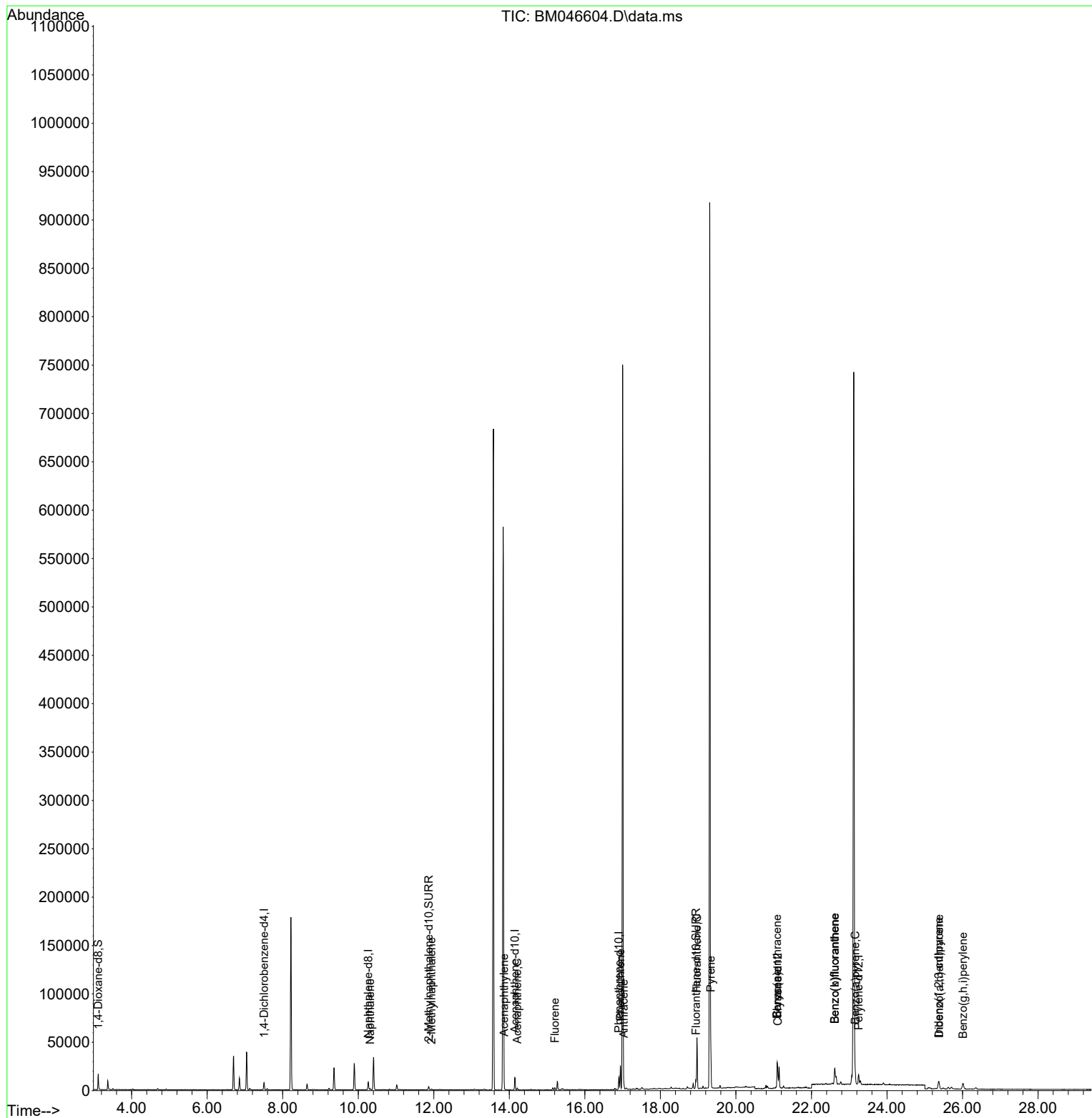
| Compound                    | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| -----                       |        |      |          |       |         |          |
| Internal Standards          |        |      |          |       |         |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.506  | 152  | 3784     | 0.400 | ng/ul   | 0.00     |
| 4) Naphthalene-d8           | 10.265 | 136  | 10425    | 0.400 | ng/ul # | 0.00     |
| 9) Acenaphthene-d10         | 14.146 | 164  | 7076     | 0.400 | ng/ul   | 0.00     |
| 13) Phenanthrene-d10        | 16.900 | 188  | 15974    | 0.400 | ng/ul   | 0.00     |
| 17) Chrysene-d12            | 21.108 | 240  | 12742    | 0.400 | ng/ul   | 0.00     |
| 23) Perylene-d12            | 23.247 | 264  | 13600    | 0.400 | ng/ul # | 0.00     |
| System Monitoring Compounds |        |      |          |       |         |          |
| 3) 1,4-Dioxane-d8           | 3.113  | 96   | 9350     | 3.007 | ng/ul   | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.866 | 152  | 4330     | 0.258 | ng/ul   | 0.00     |
| 18) Fluoranthene-d10        | 18.942 | 212  | 11088    | 0.286 | ng/ul   | 0.00     |
| Target Compounds            |        |      |          |       |         |          |
|                             |        |      |          |       | Qvalue  |          |
| 5) Naphthalene              | 10.315 | 128  | 1711     | 0.065 | ng/ul#  | 94       |
| 7) 2-Methylnaphthalene      | 11.937 | 142  | 567      | 0.030 | ng/ul   | 95       |
| 10) Acenaphthylene          | 13.864 | 152  | 1803     | 0.056 | ng/ul#  | 90       |
| 11) Acenaphthene            | 14.210 | 153  | 1056     | 0.049 | ng/ul   | 99       |
| 12) Fluorene                | 15.205 | 166  | 1341     | 0.050 | ng/ul#  | 91       |
| 15) Phenanthrene            | 16.943 | 178  | 24699    | 0.542 | ng/ul   | 99       |
| 16) Anthracene              | 17.031 | 178  | 5041     | 0.113 | ng/ul#  | 94       |
| 19) Fluoranthene            | 18.969 | 202  | 46025    | 0.879 | ng/ul   | 100      |
| 20) Pyrene                  | 19.332 | 202  | 41288    | 0.729 | ng/ul   | 98       |
| 21) Benzo(a)anthracene      | 21.090 | 228  | 19632    | 0.348 | ng/ul   | 93       |
| 22) Chrysene                | 21.090 | 228  | 19399    | 0.356 | ng/ul   | 96       |
| 24) Benzo(b)fluoranthene    | 22.615 | 252  | 34714    | 0.639 | ng/ul   | 95       |
| 25) Benzo(k)fluoranthene    | 22.615 | 252  | 34714    | 0.651 | ng/ul#  | 95       |
| 26) Benzo(a)pyrene          | 23.156 | 252  | 16537    | 0.370 | ng/ul#  | 93       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.366 | 276  | 12695    | 0.187 | ng/ul#  | 100      |
| 28) Dibenzo(a,h)anthracene  | 25.380 | 278  | 3310     | 0.061 | ng/ul#  | 48       |
| 29) Benzo(g,h,i)perylene    | 26.010 | 276  | 12287    | 0.226 | ng/ul#  | 96       |
| -----                       |        |      |          |       |         |          |

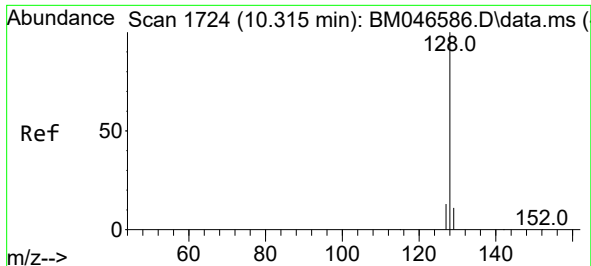
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071524\  
Data File : BM046604.D  
Acq On : 15 Jul 2024 20:05  
Operator : MA/JU  
Sample : P3088-13  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

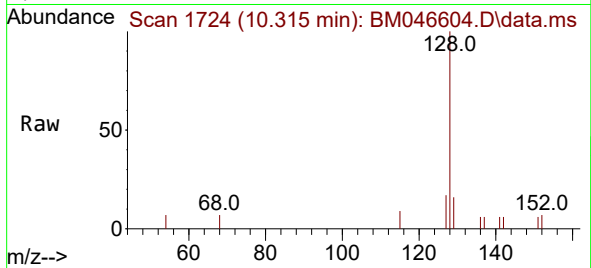
Quant Time: Jul 16 00:25:01 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM071024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 15 08:57:27 2024  
Response via : Initial Calibration



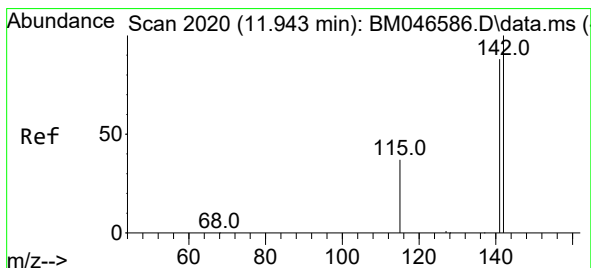
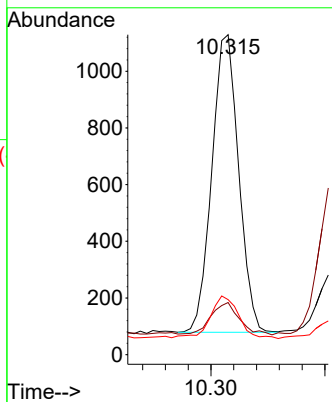
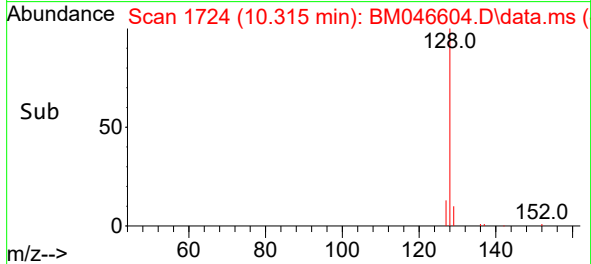


#5  
Naphthalene  
Concen: 0.065 ng/ul  
RT: 10.315 min Scan# 1724  
Delta R.T. -0.001 min  
Lab File: BM046604.D  
Acq: 15 Jul 2024 20:05

Instrument :  
BNA\_M  
ClientSampleId :

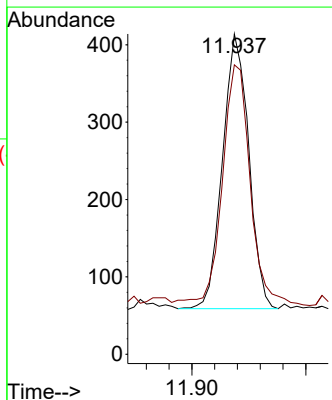
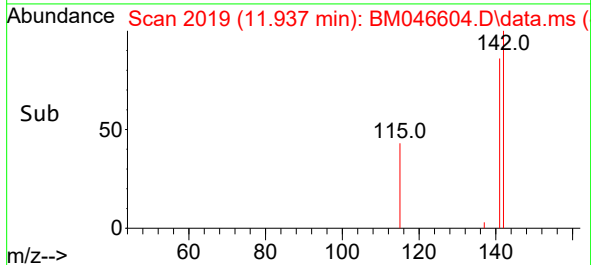
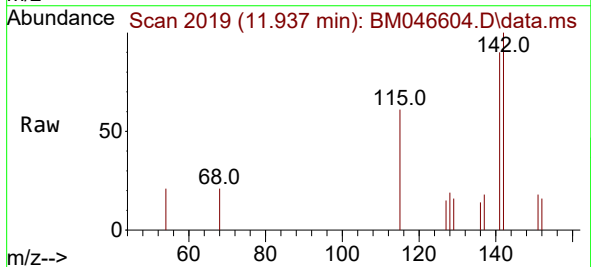


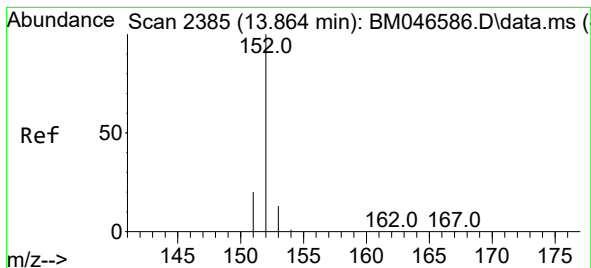
Tgt Ion:128 Resp: 1711  
Ion Ratio Lower Upper  
128 100  
129 16.3 10.3 15.5#  
127 17.2 12.2 18.4



#7  
2-Methylnaphthalene  
Concen: 0.030 ng/ul  
RT: 11.937 min Scan# 2019  
Delta R.T. -0.006 min  
Lab File: BM046604.D  
Acq: 15 Jul 2024 20:05

Tgt Ion:142 Resp: 567  
Ion Ratio Lower Upper  
142 100  
141 92.9 70.3 105.5





#10

Acenaphthylene

Concen: 0.056 ng/ul

RT: 13.864 min Scan# 21

Delta R.T. -0.001 min

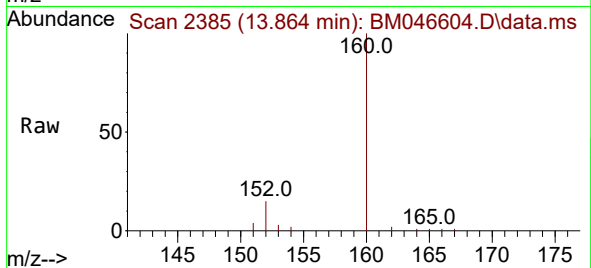
Lab File: BM046604.D

Acq: 15 Jul 2024 20:05

Instrument :

BNA\_M

ClientSampleId :



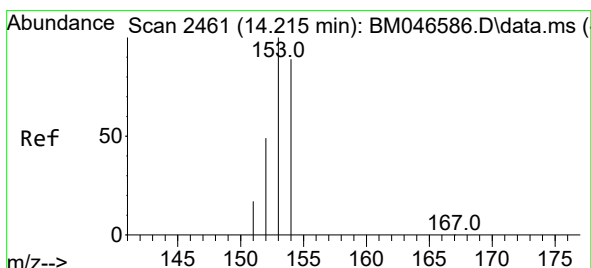
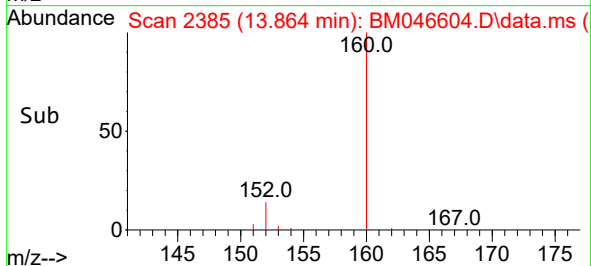
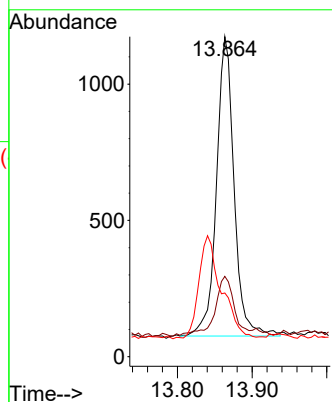
Tgt Ion:152 Resp: 1803

Ion Ratio Lower Upper

152 100

151 25.1 16.4 24.6#

153 19.9 12.4 18.6#



#11

Acenaphthene

Concen: 0.049 ng/ul

RT: 14.210 min Scan# 2460

Delta R.T. -0.001 min

Lab File: BM046604.D

Acq: 15 Jul 2024 20:05

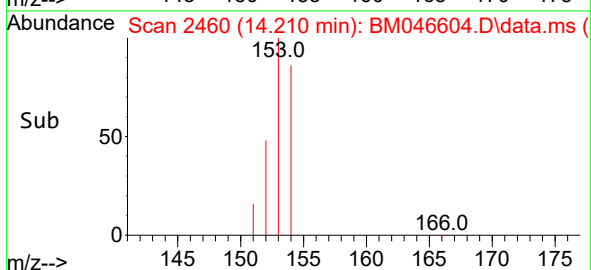
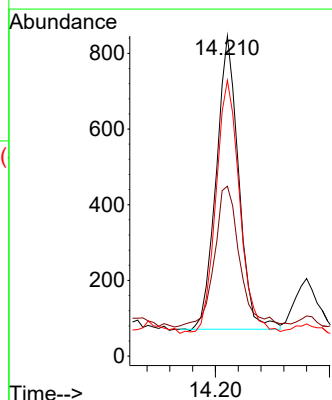
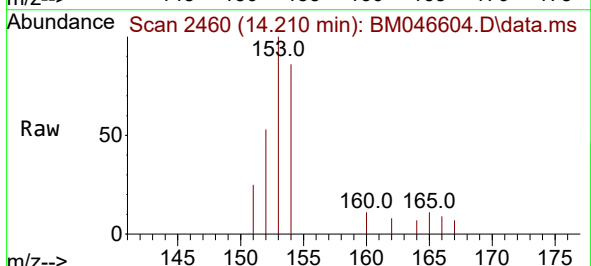
Tgt Ion:153 Resp: 1056

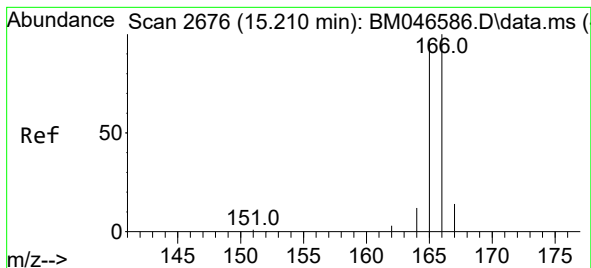
Ion Ratio Lower Upper

153 100

152 53.1 43.0 64.6

154 86.2 69.9 104.9





#12

Fluorene

Concen: 0.050 ng/ul

RT: 15.205 min Scan# 2

Delta R.T. -0.001 min

Lab File: BM046604.D

Acq: 15 Jul 2024 20:05

Instrument :

BNA\_M

ClientSampleId :

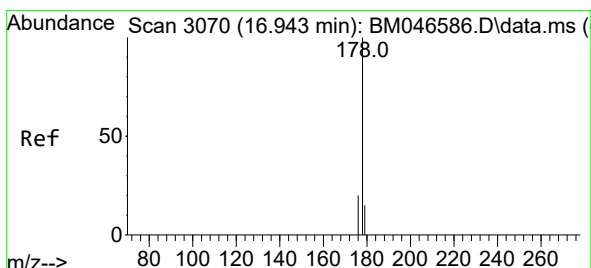
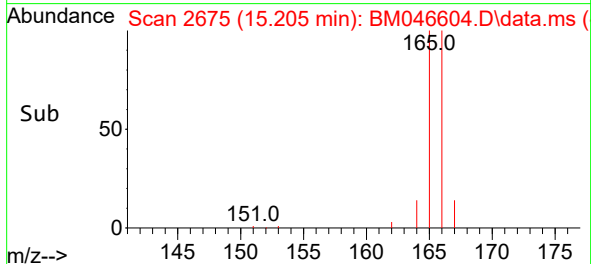
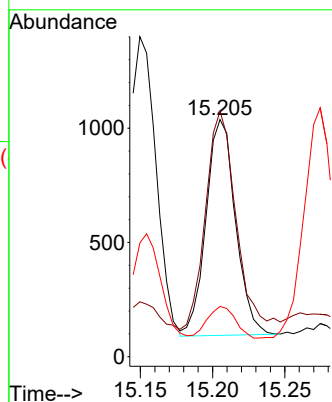
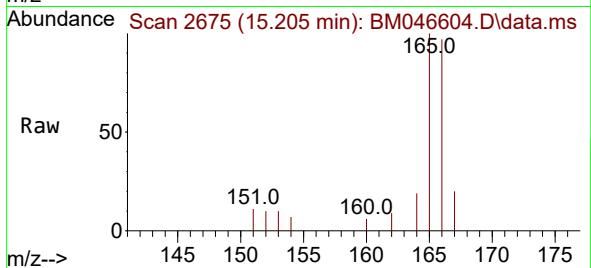
Tgt Ion:166 Resp: 1341

Ion Ratio Lower Upper

166 100

165 103.6 76.1 114.1

167 21.2 12.5 18.7#



#15

Phenanthrene

Concen: 0.542 ng/ul

RT: 16.943 min Scan# 3070

Delta R.T. -0.001 min

Lab File: BM046604.D

Acq: 15 Jul 2024 20:05

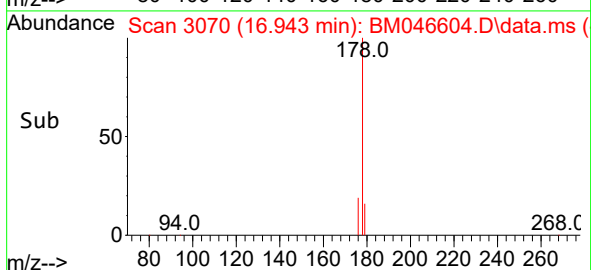
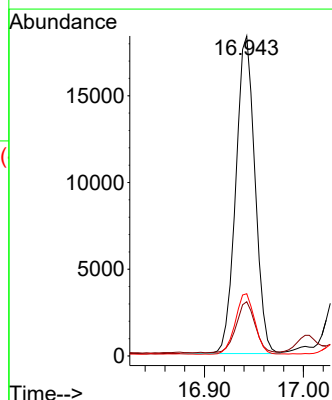
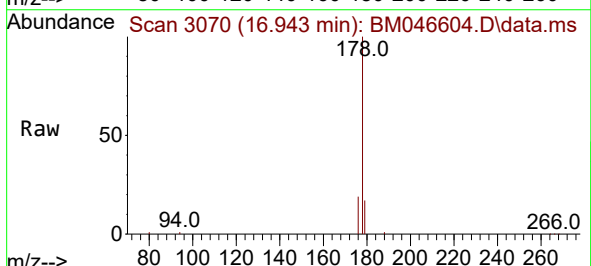
Tgt Ion:178 Resp: 24699

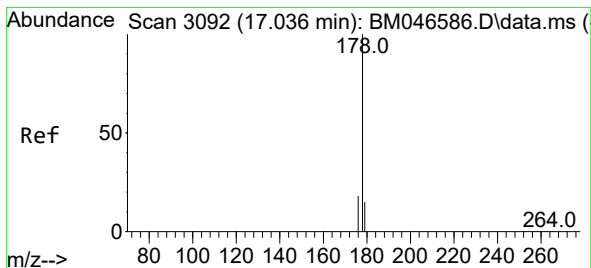
Ion Ratio Lower Upper

178 100

179 17.0 13.1 19.7

176 19.5 16.0 24.0





#16

Anthracene

Concen: 0.113 ng/ul

RT: 17.031 min Scan# 3092

Delta R.T. -0.001 min

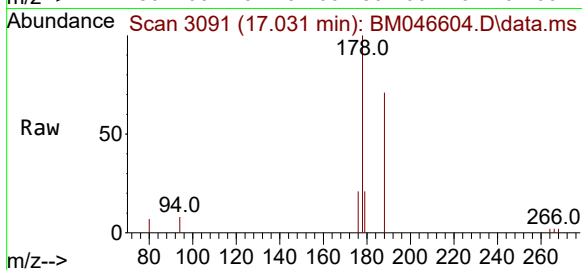
Lab File: BM046604.D

Acq: 15 Jul 2024 20:05

Instrument :

BNA\_M

ClientSampleId :



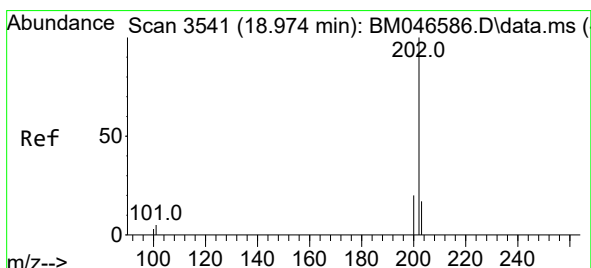
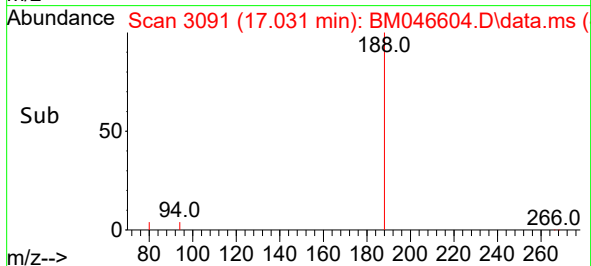
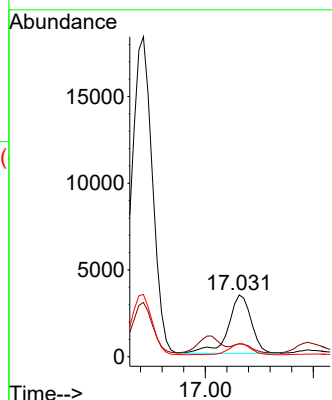
Tgt Ion:178 Resp: 5041

Ion Ratio Lower Upper

178 100

179 21.1 13.5 20.3#

176 21.0 15.7 23.5



#19

Fluoranthene

Concen: 0.879 ng/ul

RT: 18.969 min Scan# 3540

Delta R.T. -0.001 min

Lab File: BM046604.D

Acq: 15 Jul 2024 20:05

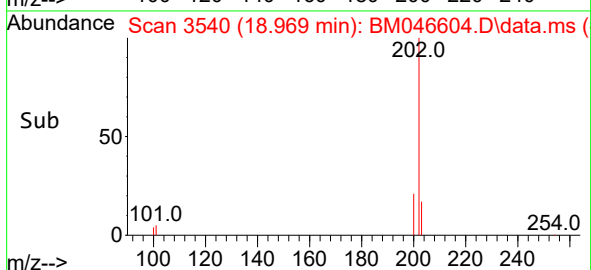
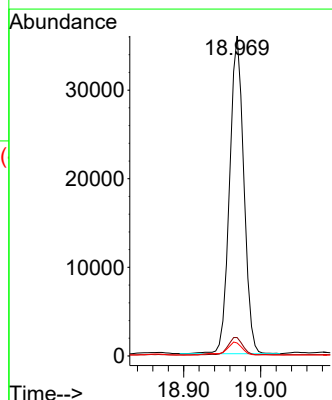
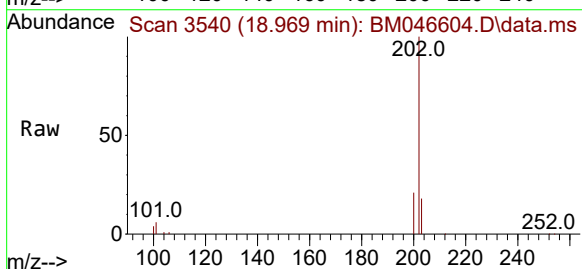
Tgt Ion:202 Resp: 46025

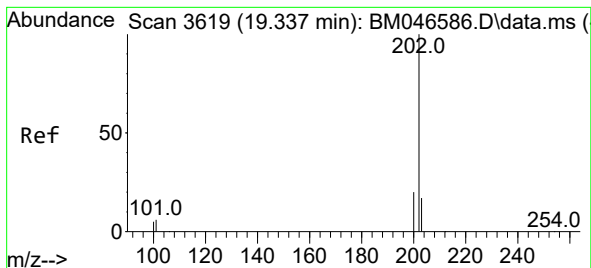
Ion Ratio Lower Upper

202 100

101 5.7 4.6 6.8

100 4.1 3.0 4.6





#20

Pyrene

Concen: 0.729 ng/ul

RT: 19.332 min Scan# 30

Delta R.T. -0.001 min

Lab File: BM046604.D

Acq: 15 Jul 2024 20:05

Instrument :

BNA\_M

ClientSampleId :

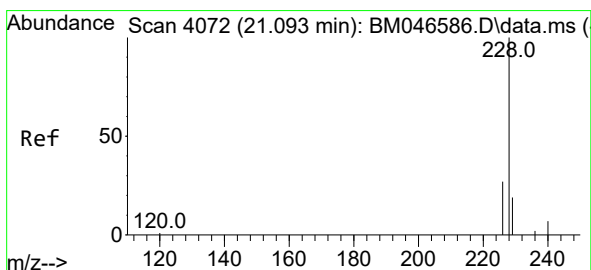
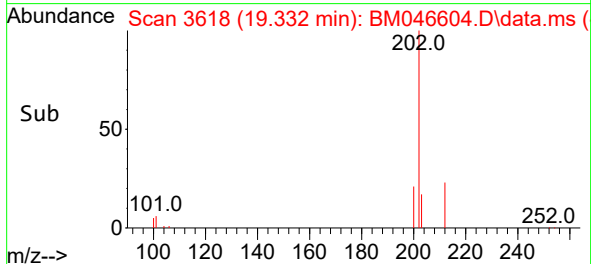
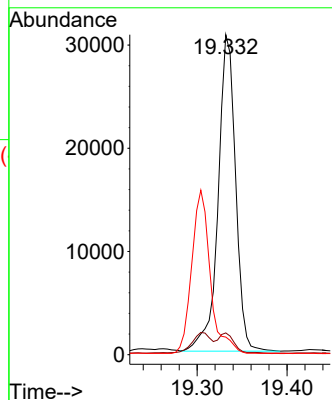
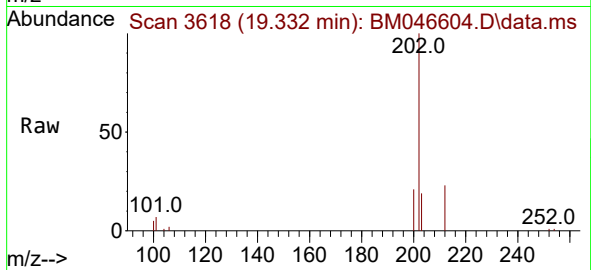
Tgt Ion:202 Resp: 41288

Ion Ratio Lower Upper

202 100

101 6.8 5.1 7.7

100 5.5 3.8 5.6



#21

Benzo(a)anthracene

Concen: 0.348 ng/ul

RT: 21.090 min Scan# 4071

Delta R.T. 0.002 min

Lab File: BM046604.D

Acq: 15 Jul 2024 20:05

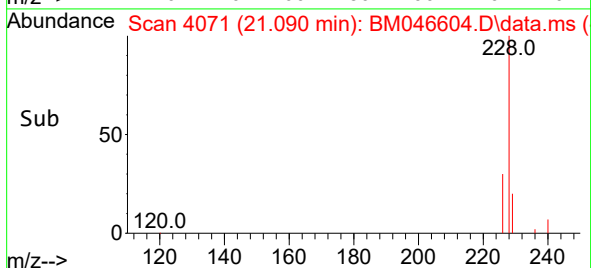
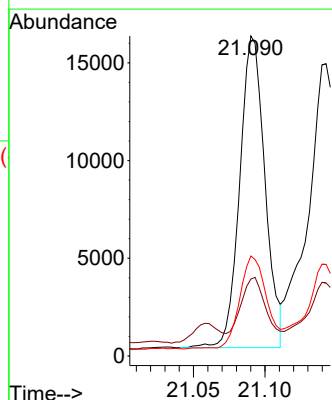
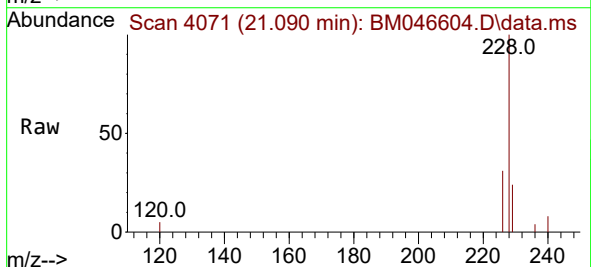
Tgt Ion:228 Resp: 19632

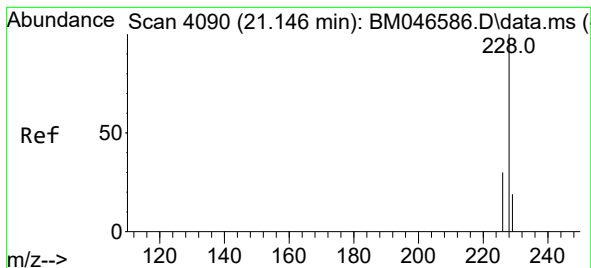
Ion Ratio Lower Upper

228 100

229 24.0 16.5 24.7

226 31.3 22.5 33.7





#22

Chrysene

Concen: 0.356 ng/ul

RT: 21.090 min Scan# 4090

Delta R.T. -0.050 min

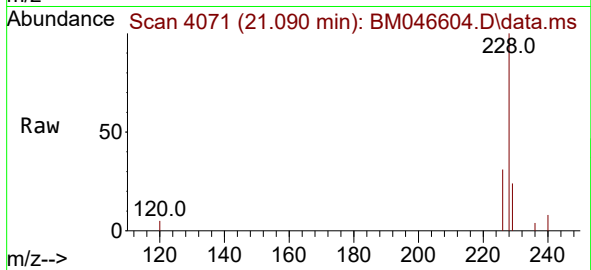
Lab File: BM046604.D

Acq: 15 Jul 2024 20:05

Instrument :

BNA\_M

ClientSampleId :



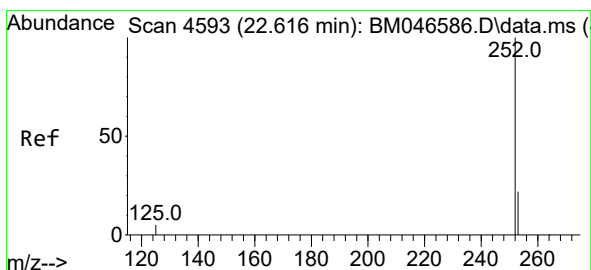
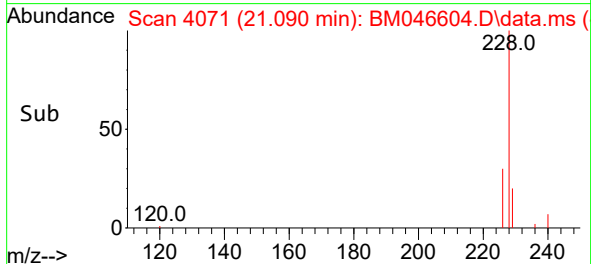
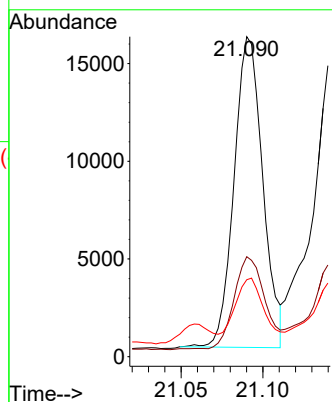
Tgt Ion:228 Resp: 19399

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
|-----|-------|-------|-------|

|     |     |  |  |
|-----|-----|--|--|
| 228 | 100 |  |  |
|-----|-----|--|--|

|     |      |      |      |
|-----|------|------|------|
| 226 | 31.3 | 24.3 | 36.5 |
|-----|------|------|------|

|     |      |      |      |
|-----|------|------|------|
| 229 | 24.0 | 16.4 | 24.6 |
|-----|------|------|------|



#24

Benzo(b)fluoranthene

Concen: 0.639 ng/ul

RT: 22.615 min Scan# 4593

Delta R.T. 0.005 min

Lab File: BM046604.D

Acq: 15 Jul 2024 20:05

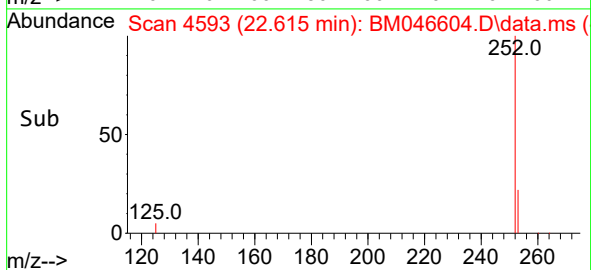
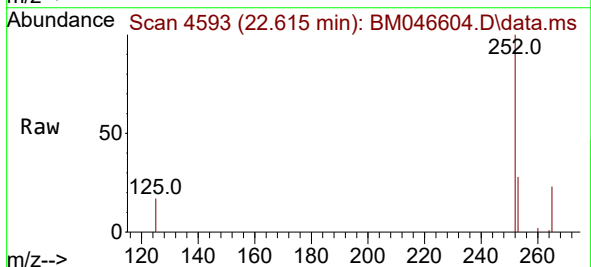
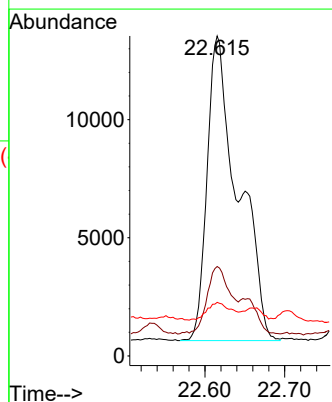
Tgt Ion:252 Resp: 34714

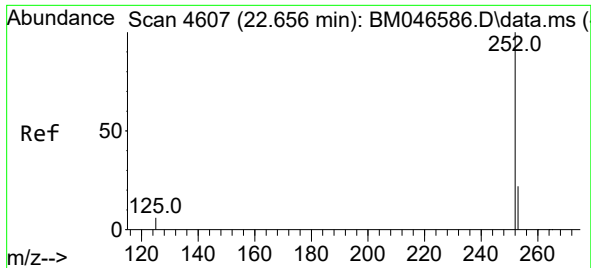
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
|-----|-------|-------|-------|

|     |     |  |  |
|-----|-----|--|--|
| 252 | 100 |  |  |
|-----|-----|--|--|

|     |      |     |      |
|-----|------|-----|------|
| 253 | 28.0 | 0.0 | 56.2 |
|-----|------|-----|------|

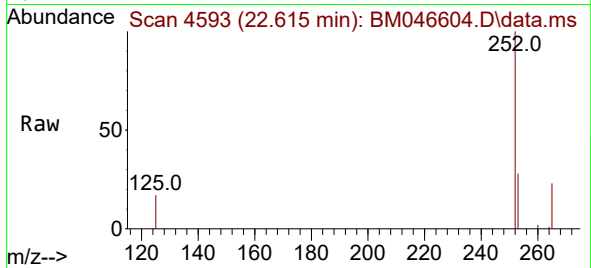
|     |      |     |      |
|-----|------|-----|------|
| 125 | 16.7 | 0.0 | 17.8 |
|-----|------|-----|------|



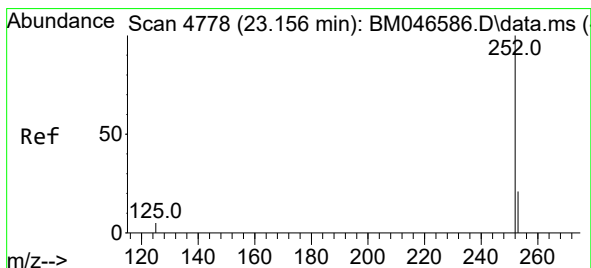
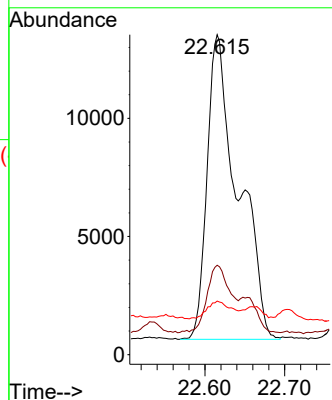


#25  
Benzo(k)fluoranthene  
Concen: 0.651 ng/ul  
RT: 22.615 min Scan# 4593  
Delta R.T. -0.036 min  
Lab File: BM046604.D  
Acq: 15 Jul 2024 20:05

Instrument :  
BNA\_M  
ClientSampleId :

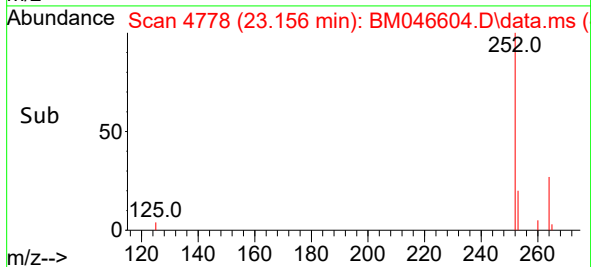
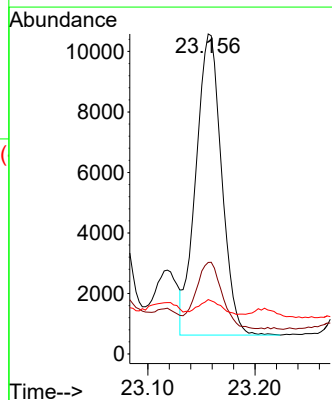
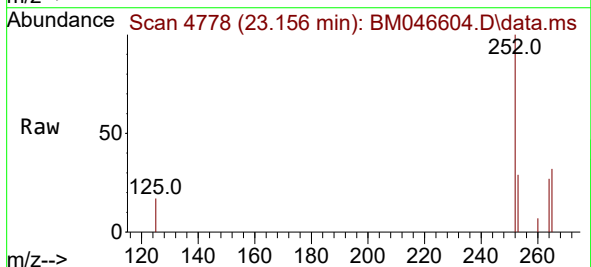


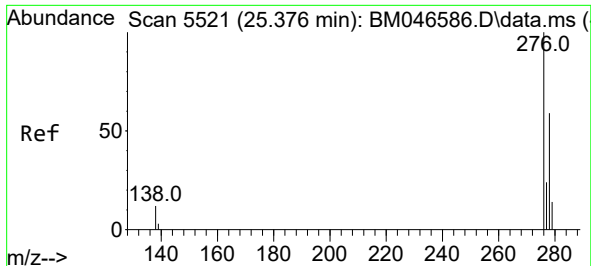
Tgt Ion:252 Resp: 34714  
Ion Ratio Lower Upper  
252 100  
253 28.0 22.4 33.6  
125 16.7 7.0 10.4#



#26  
Benzo(a)pyrene  
Concen: 0.370 ng/ul  
RT: 23.156 min Scan# 4778  
Delta R.T. 0.005 min  
Lab File: BM046604.D  
Acq: 15 Jul 2024 20:05

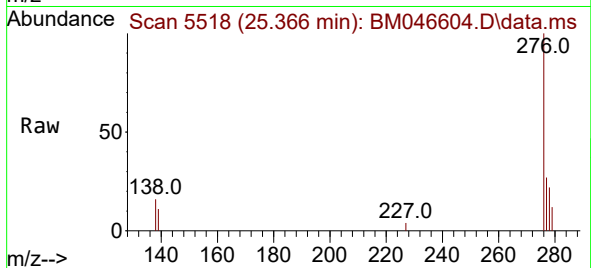
Tgt Ion:252 Resp: 16537  
Ion Ratio Lower Upper  
252 100  
253 28.6 24.0 36.0  
125 17.0 8.2 12.2#



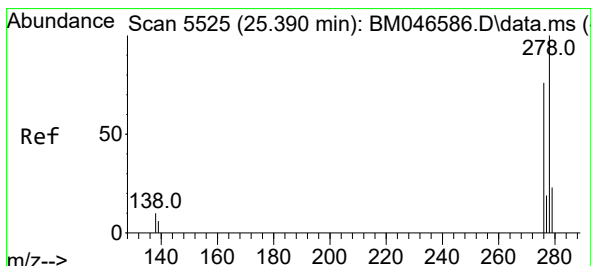
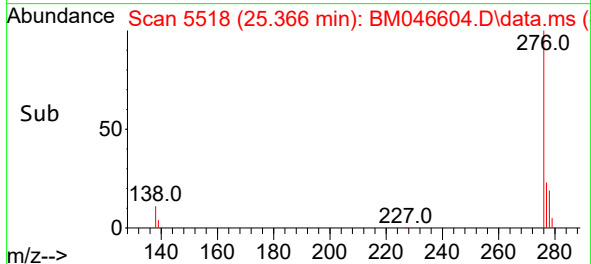
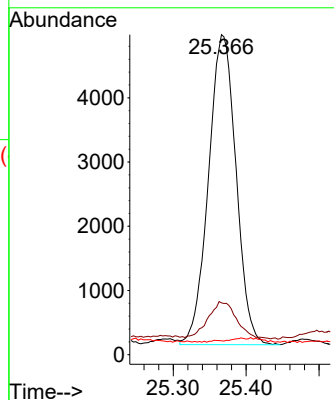


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.187 ng/ul  
RT: 25.366 min Scan# 5518  
Delta R.T. 0.006 min  
Lab File: BM046604.D  
Acq: 15 Jul 2024 20:05

Instrument :  
BNA\_M  
ClientSampleId :

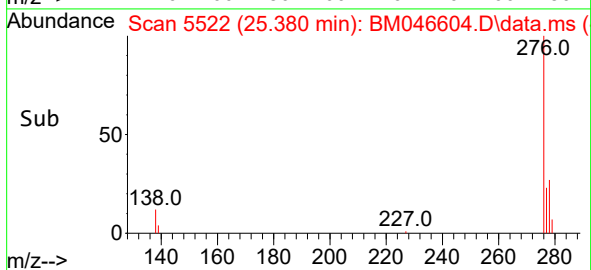
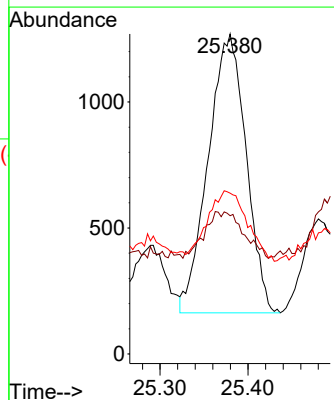
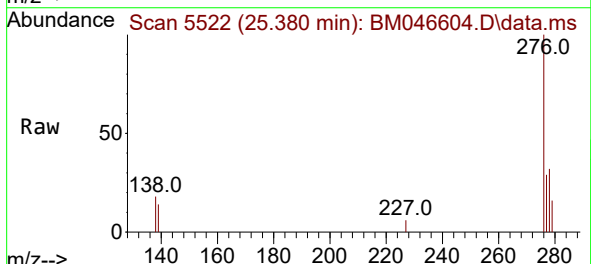


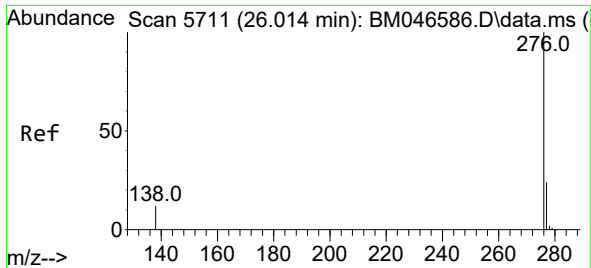
Tgt Ion:276 Resp: 12695  
Ion Ratio Lower Upper  
276 100  
138 12.4 0.0 0.0#  
227 0.3 0.2 0.2#



#28  
Dibenzo(a,h)anthracene  
Concen: 0.061 ng/ul  
RT: 25.380 min Scan# 5522  
Delta R.T. -0.004 min  
Lab File: BM046604.D  
Acq: 15 Jul 2024 20:05

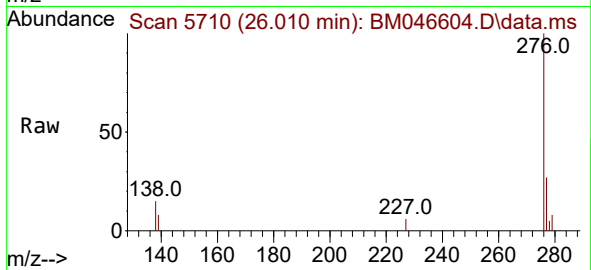
Tgt Ion:278 Resp: 3310  
Ion Ratio Lower Upper  
278 100  
139 43.2 9.1 13.7#  
279 50.2 23.2 34.8#





#29  
Benzo(g,h,i)perylene  
Concen: 0.226 ng/ul  
RT: 26.010 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: BM046604.D  
Acq: 15 Jul 2024 20:05

Instrument :  
BNA\_M  
ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 276   | Resp: | 12287 |
| Ion      | Ratio | Lower | Upper |
| 276      | 100   |       |       |
| 138      | 15.5  | 10.2  | 15.4# |
| 277      | 27.2  | 20.9  | 31.3  |

