

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061824\  
 Data File : BM046096.D  
 Acq On : 19 Jun 2024 21:17  
 Operator : MA/JU  
 Sample : P2695-10DL 5X  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4BK3DL

Quant Time: Jun 19 22:50:34 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 : Tue Jun 18 13:58:29 2024  
 Response via : Initial Calibration

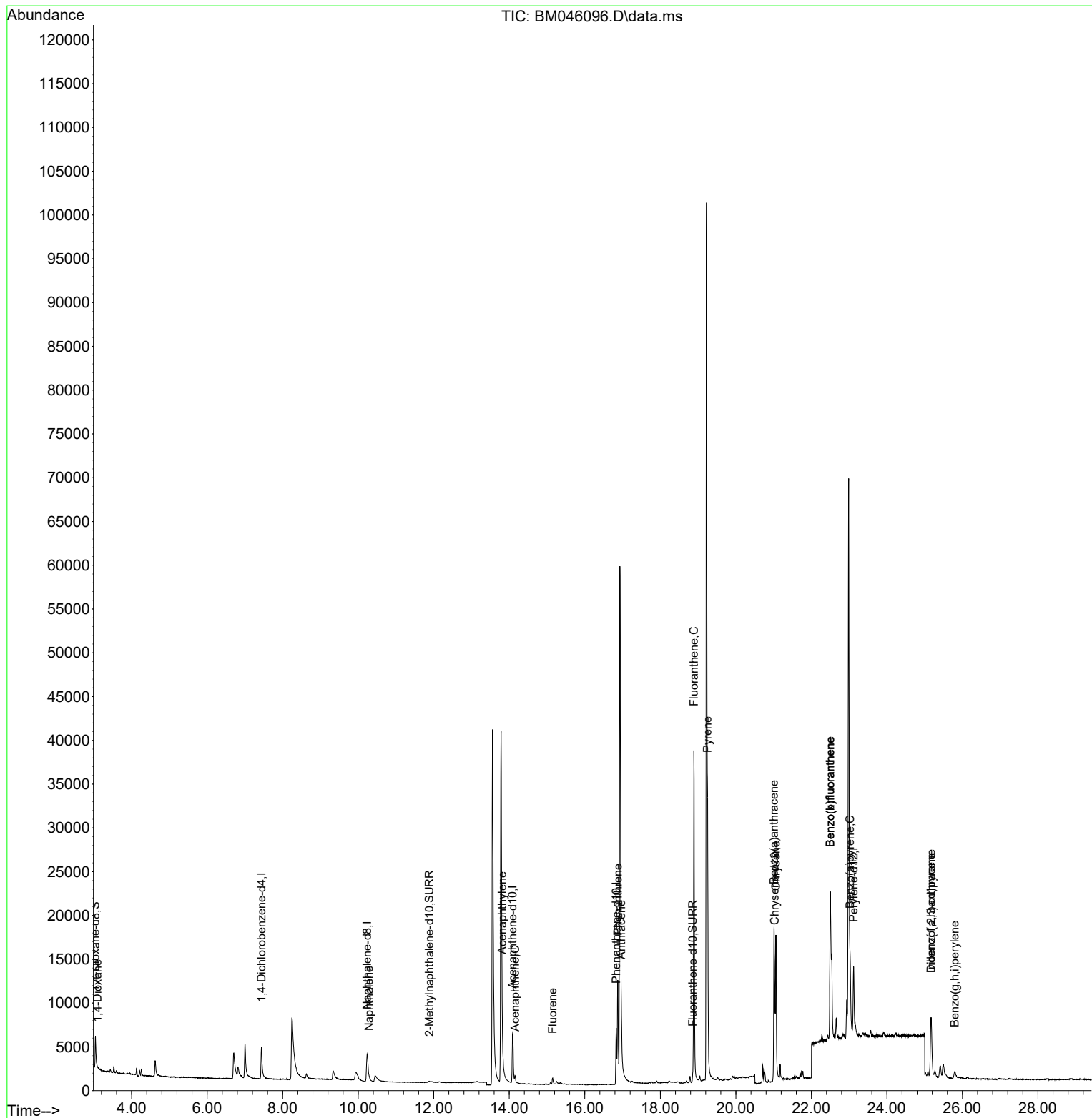
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.438  | 152  | 2844     | 0.400 | ng/ul  | -0.03    |
| 4) Naphthalene-d8           | 10.237 | 136  | 8018     | 0.400 | ng/ul  | -0.02    |
| 9) Acenaphthene-d10         | 14.089 | 164  | 4540     | 0.400 | ng/ul  | -0.02    |
| 13) Phenanthrene-d10        | 16.832 | 188  | 9173     | 0.400 | ng/ul  | -0.03    |
| 17) Chrysene-d12            | 21.026 | 240  | 7920     | 0.400 | ng/ul  | -0.02    |
| 23) Perylene-d12            | 23.119 | 264  | 11005    | 0.400 | ng/ul  | #-0.02   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.042  | 96   | 2597     | 0.666 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.881 | 152  | 475      | 0.044 | ng/ul  | 0.02     |
| 18) Fluoranthene-d10        | 18.861 | 212  | 1259     | 0.053 | ng/ul  | -0.02    |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.092  | 88   | 94       | 0.021 | ng/ul# | 35       |
| 5) Naphthalene              | 10.286 | 128  | 573      | 0.026 | ng/ul# | 41       |
| 10) Acenaphthylene          | 13.811 | 152  | 1169     | 0.054 | ng/ul# | 80       |
| 11) Acenaphthene            | 14.154 | 153  | 540      | 0.035 | ng/ul  | 93       |
| 12) Fluorene                | 15.148 | 166  | 649      | 0.039 | ng/ul# | 95       |
| 15) Phenanthrene            | 16.874 | 178  | 15312    | 0.594 | ng/ul  | 98       |
| 16) Anthracene              | 16.967 | 178  | 2897     | 0.151 | ng/ul# | 90       |
| 19) Fluoranthene            | 18.889 | 202  | 37159    | 1.084 | ng/ul  | 99       |
| 20) Pyrene                  | 19.252 | 202  | 27266    | 0.735 | ng/ul  | 97       |
| 21) Benzo(a)anthracene      | 21.009 | 228  | 16372    | 0.535 | ng/ul  | 99       |
| 22) Chrysene                | 21.061 | 228  | 17630    | 0.452 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 22.502 | 252  | 38486    | 0.971 | ng/ul  | 93       |
| 25) Benzo(k)fluoranthene    | 22.502 | 252  | 38486    | 0.816 | ng/ul  | 91       |
| 26) Benzo(a)pyrene          | 23.025 | 252  | 9503     | 0.259 | ng/ul  | 98       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.169 | 276  | 11100    | 0.185 | ng/ul# | 93       |
| 28) Dibenzo(a,h)anthracene  | 25.169 | 278  | 3252     | 0.073 | ng/ul# | 69       |
| 29) Benzo(g,h,i)perylene    | 25.793 | 276  | 1792     | 0.035 | ng/ul# | 56       |
| -----                       |        |      |          |       |        |          |

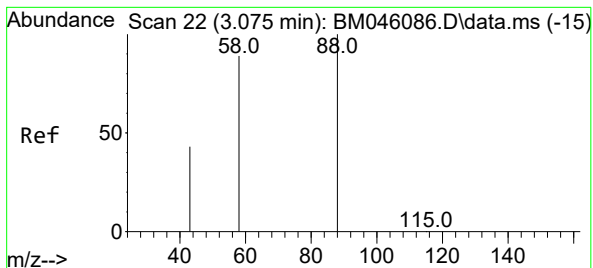
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061824\  
Data File : BM046096.D  
Acq On : 19 Jun 2024 21:17  
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Sample : P2695-10DL 5X  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4BK3DL

Quant Time: Jun 19 22:50:34 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 : Tue Jun 18 13:58:29 2024  
Response via : Initial Calibration





#2

1,4-Dioxane

Concen: 0.021 ng/ul

RT: 3.092 min Scan# 2

Delta R.T. 0.017 min

Lab File: BM046096.D

Acq: 19 Jun 2024 21:17

Instrument :

BNA\_M

ClientSampleId :

A4BK3DL

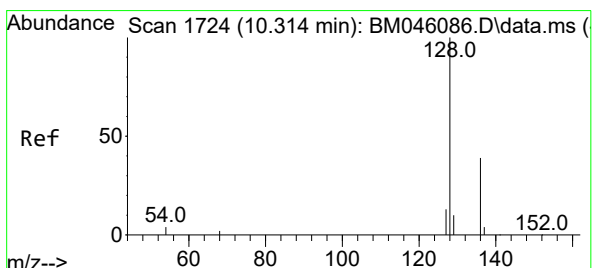
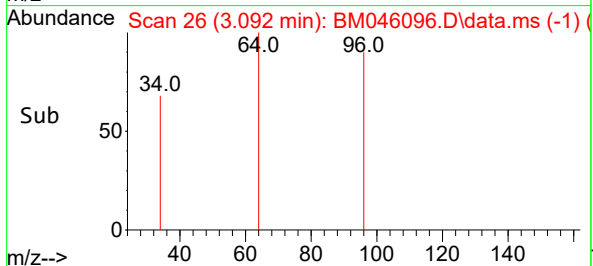
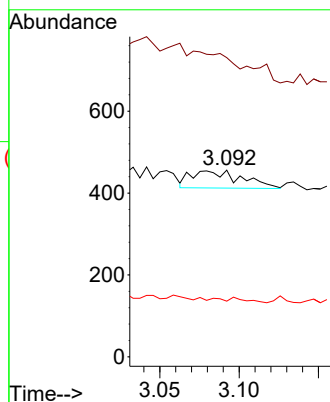
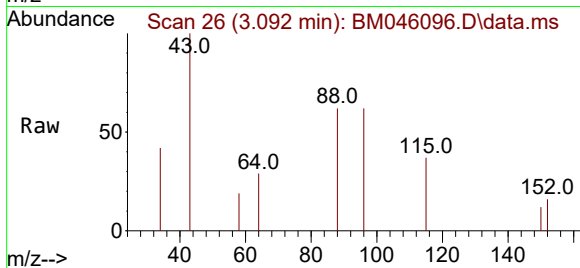
Tgt Ion: 88 Resp: 94

Ion Ratio Lower Upper

88 100

43 160.3 69.8 104.8#

58 29.8 53.2 79.8#



#5

Naphthalene

Concen: 0.026 ng/ul

RT: 10.286 min Scan# 1719

Delta R.T. -0.017 min

Lab File: BM046096.D

Acq: 19 Jun 2024 21:17

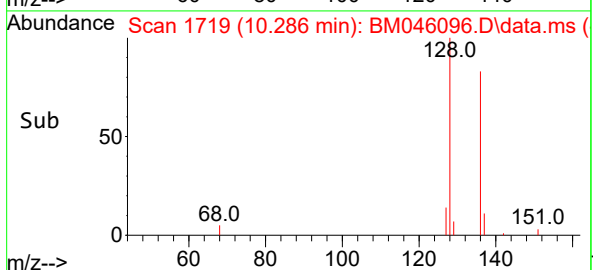
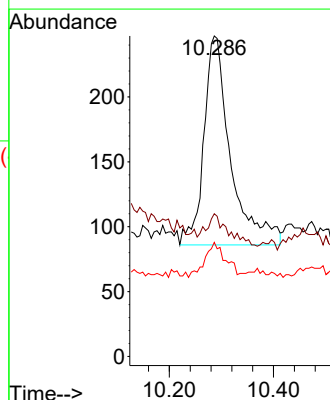
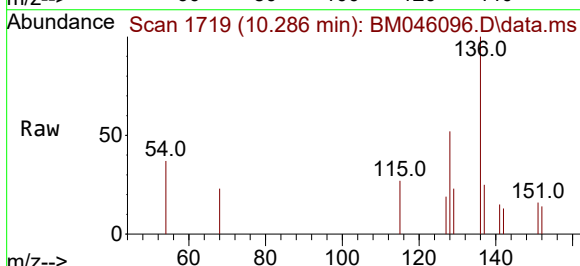
Tgt Ion: 128 Resp: 573

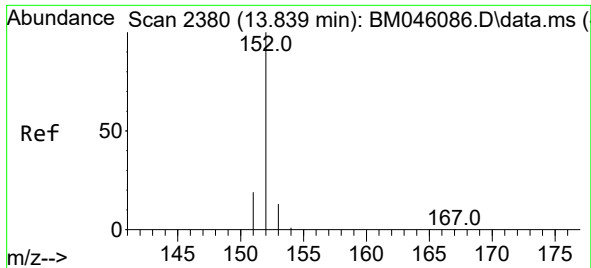
Ion Ratio Lower Upper

128 100

129 44.5 11.8 17.6#

127 35.6 12.8 19.2#

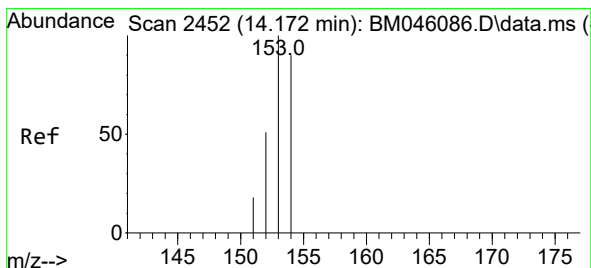
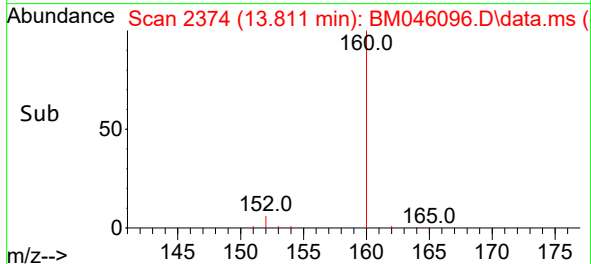
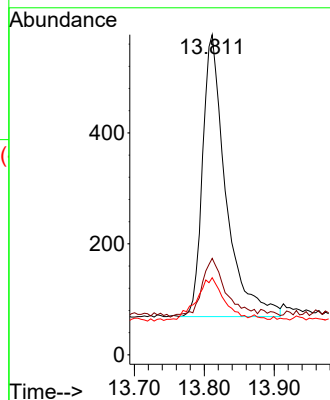
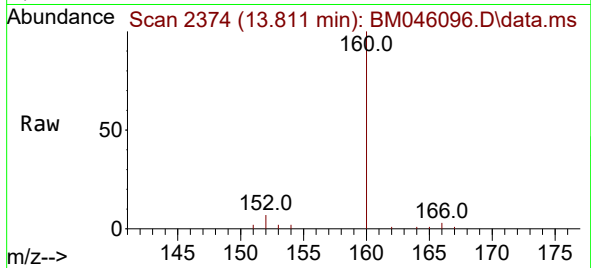




#10  
Acenaphthylene  
Concen: 0.054 ng/ul  
RT: 13.811 min Scan# 2119  
Delta R.T. -0.023 min  
Lab File: BM046096.D  
Acq: 19 Jun 2024 21:17

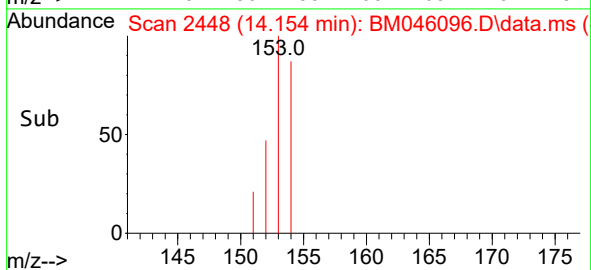
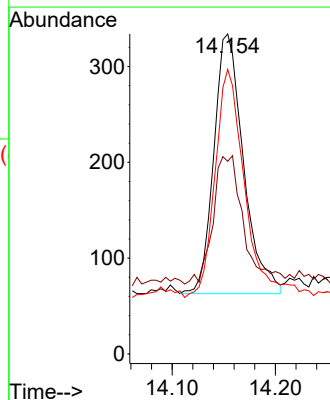
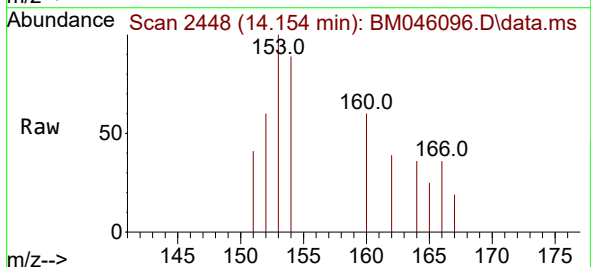
Instrument :  
BNA\_M  
ClientSampleId :  
A4BK3DL

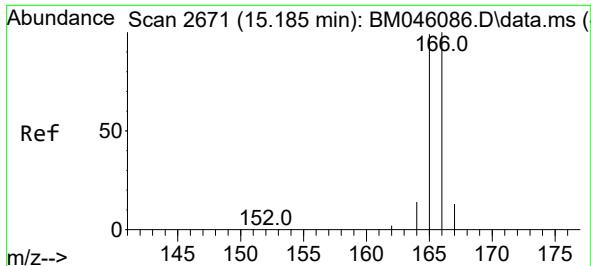
Tgt Ion:152 Resp: 1169  
Ion Ratio Lower Upper  
152 100  
151 30.2 17.4 26.2#  
153 24.1 11.8 17.8#



#11  
Acenaphthene  
Concen: 0.035 ng/ul  
RT: 14.154 min Scan# 2448  
Delta R.T. -0.019 min  
Lab File: BM046096.D  
Acq: 19 Jun 2024 21:17

Tgt Ion:153 Resp: 540  
Ion Ratio Lower Upper  
153 100  
152 60.2 41.3 61.9  
154 88.9 68.2 102.4

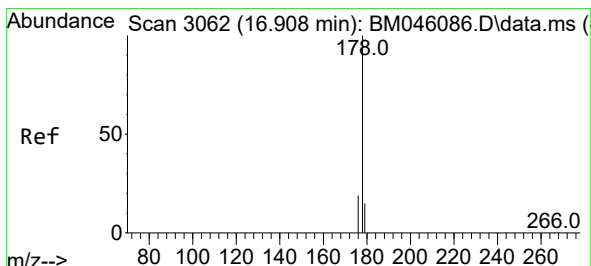
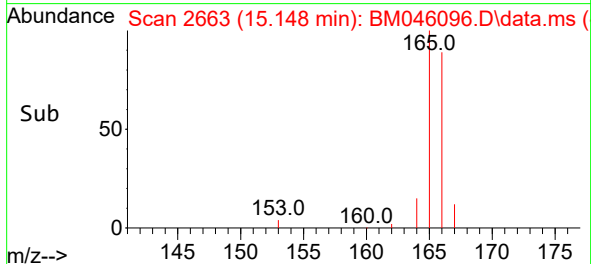
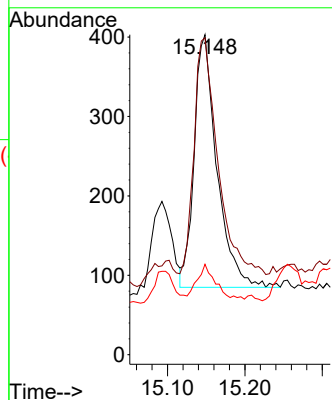
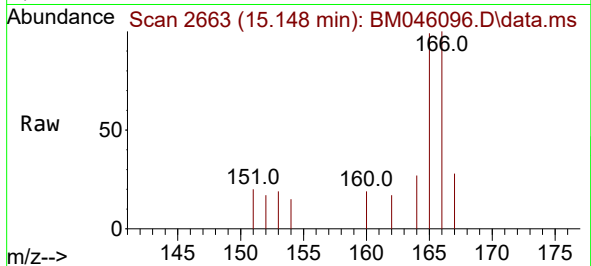




#12  
Fluorene  
Concen: 0.039 ng/ul  
RT: 15.148 min Scan# 2  
Delta R.T. -0.032 min  
Lab File: BM046096.D  
Acq: 19 Jun 2024 21:17

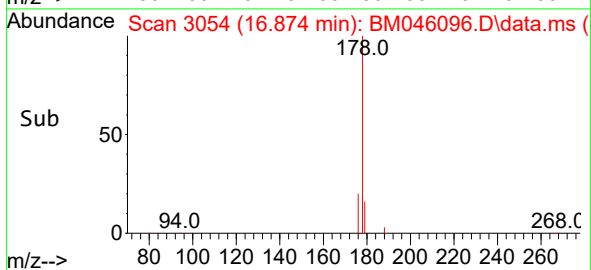
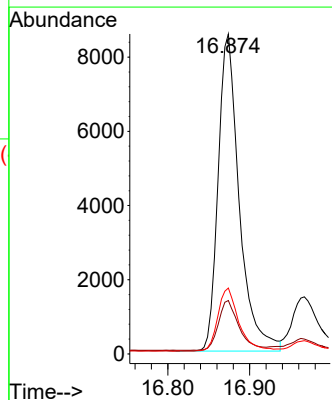
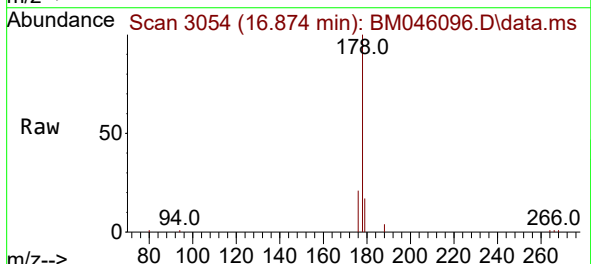
Instrument :  
BNA\_M  
ClientSampleId :  
A4BK3DL

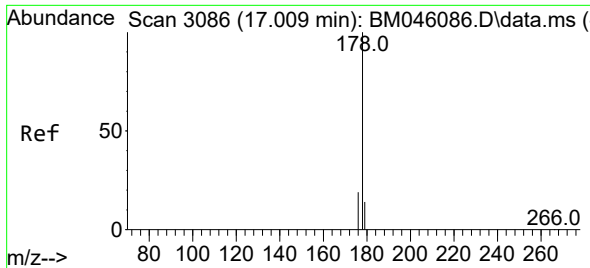
Tgt Ion:166 Resp: 649  
Ion Ratio Lower Upper  
166 100  
165 99.0 80.4 120.6  
167 28.3 12.4 18.6#



#15  
Phenanthrene  
Concen: 0.594 ng/ul  
RT: 16.874 min Scan# 3054  
Delta R.T. -0.030 min  
Lab File: BM046096.D  
Acq: 19 Jun 2024 21:17

Tgt Ion:178 Resp: 15312  
Ion Ratio Lower Upper  
178 100  
179 16.7 14.2 21.2  
176 20.6 17.1 25.7

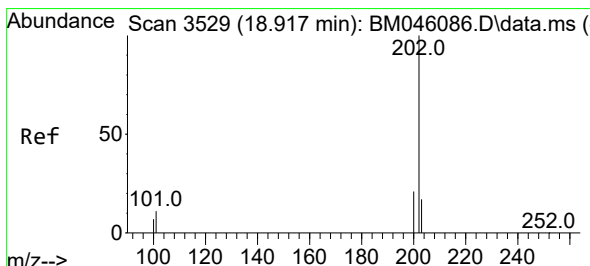
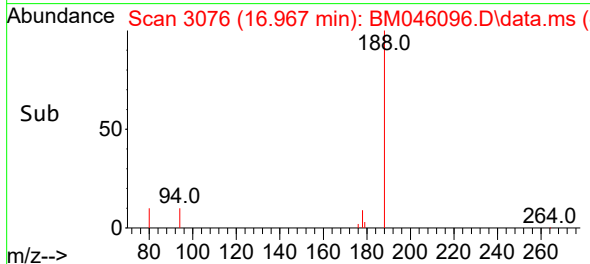
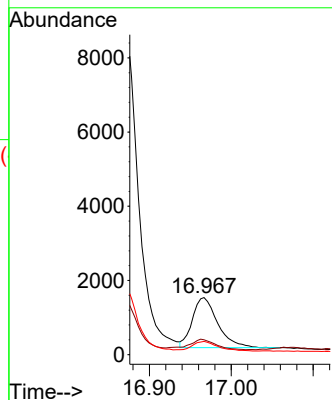
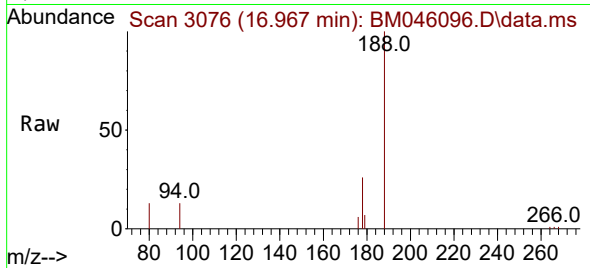




#16  
Anthracene  
Concen: 0.151 ng/ul  
RT: 16.967 min Scan# 3086  
Delta R.T. -0.038 min  
Lab File: BM046096.D  
Acq: 19 Jun 2024 21:17

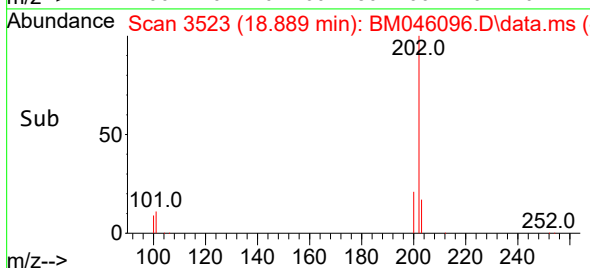
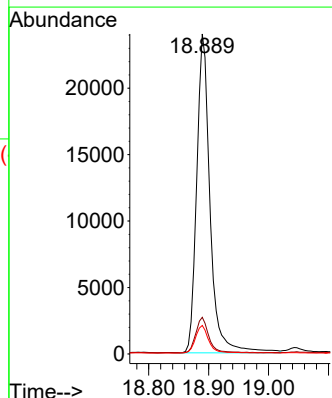
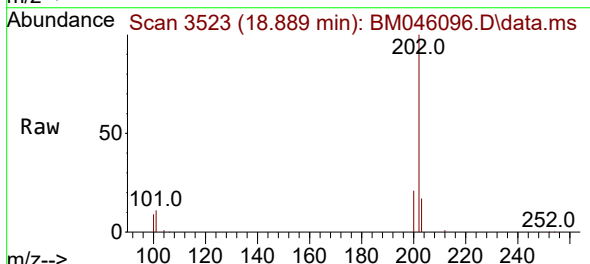
Instrument :  
BNA\_M  
ClientSampleId :  
A4BK3DL

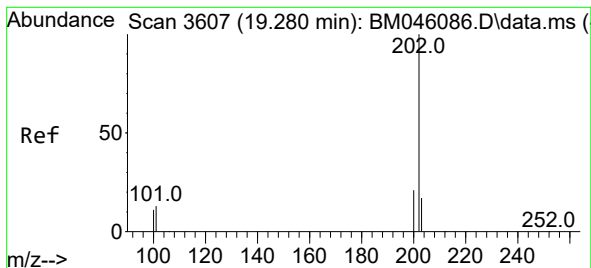
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 26.1  | 14.9  | 22.3  |
| 176     | 23.2  | 17.0  | 25.4  |



#19  
Fluoranthene  
Concen: 1.084 ng/ul  
RT: 18.889 min Scan# 3523  
Delta R.T. -0.028 min  
Lab File: BM046096.D  
Acq: 19 Jun 2024 21:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.5  | 9.6   | 14.4  |
| 100     | 8.9   | 7.6   | 11.4  |





#20

Pyrene

Concen: 0.735 ng/ul

RT: 19.252 min Scan# 3

Delta R.T. -0.023 min

Lab File: BM046096.D

Acq: 19 Jun 2024 21:17

Instrument :

BNA\_M

ClientSampleId :

A4BK3DL

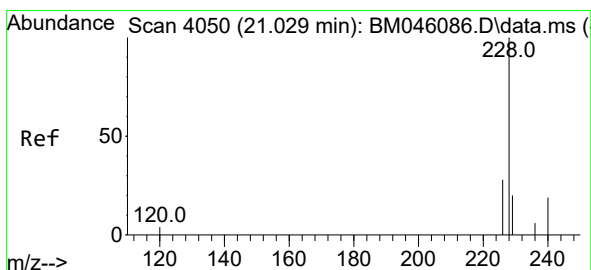
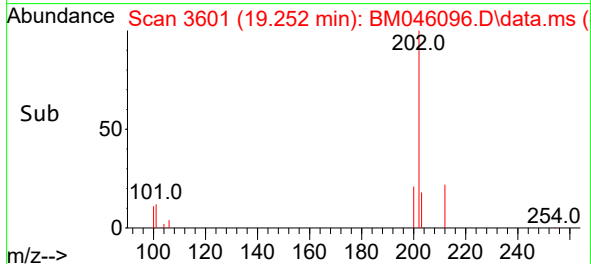
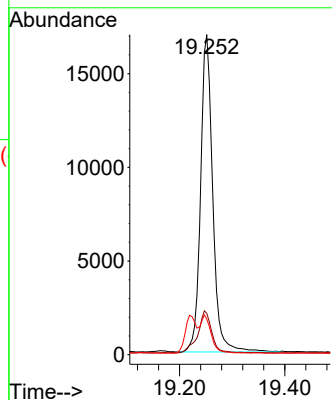
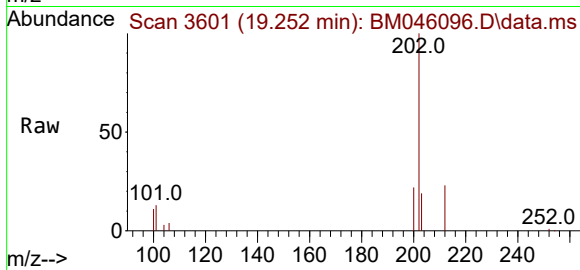
Tgt Ion:202 Resp: 27266

Ion Ratio Lower Upper

202 100

101 12.9 11.3 16.9

100 11.2 9.8 14.6



#21

Benzo(a)anthracene

Concen: 0.535 ng/ul

RT: 21.009 min Scan# 4043

Delta R.T. -0.021 min

Lab File: BM046096.D

Acq: 19 Jun 2024 21:17

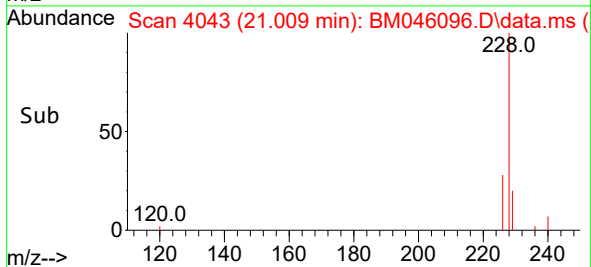
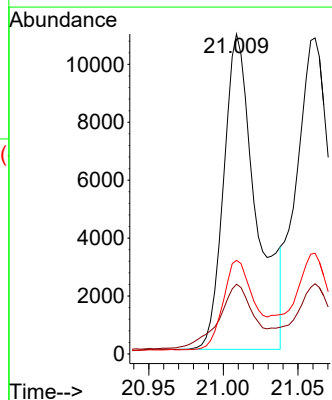
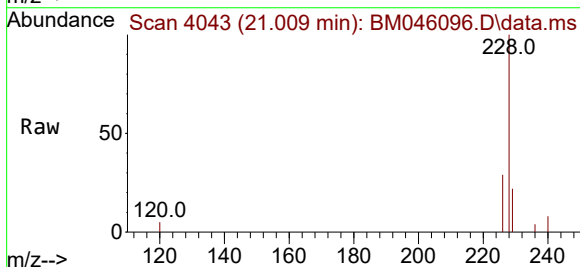
Tgt Ion:228 Resp: 16372

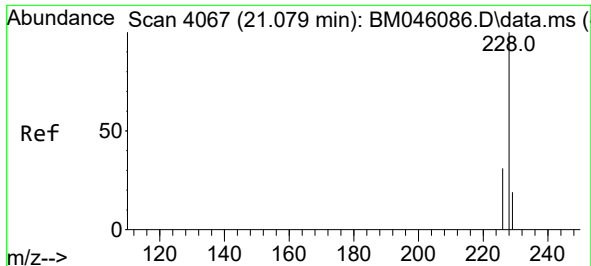
Ion Ratio Lower Upper

228 100

229 21.8 16.4 24.6

226 29.3 23.4 35.2





#22

Chrysene

Concen: 0.452 ng/ul

RT: 21.061 min Scan# 4061

Delta R.T. -0.015 min

Lab File: BM046096.D

Acq: 19 Jun 2024 21:17

Instrument :

BNA\_M

ClientSampleId :

A4BK3DL

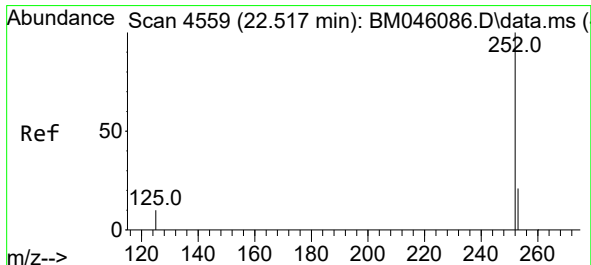
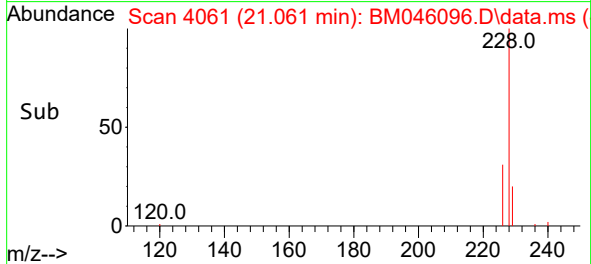
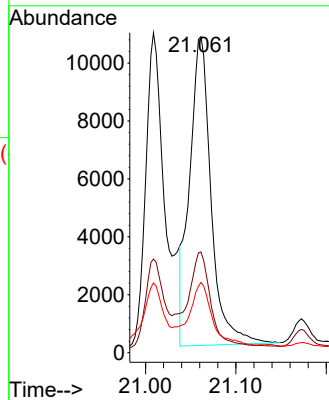
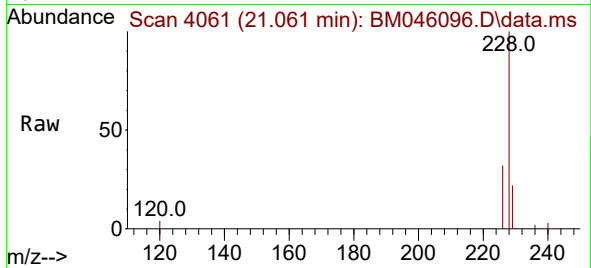
Tgt Ion:228 Resp: 17630

Ion Ratio Lower Upper

228 100

226 31.9 25.2 37.8

229 22.2 16.3 24.5



#24

Benzo(b)fluoranthene

Concen: 0.971 ng/ul

RT: 22.502 min Scan# 4554

Delta R.T. -0.018 min

Lab File: BM046096.D

Acq: 19 Jun 2024 21:17

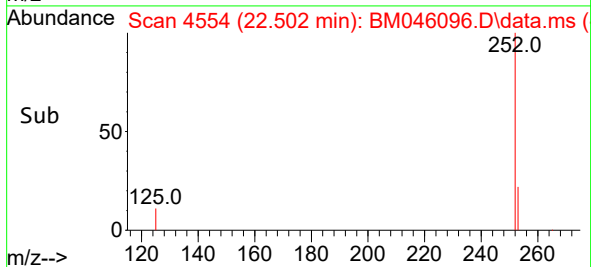
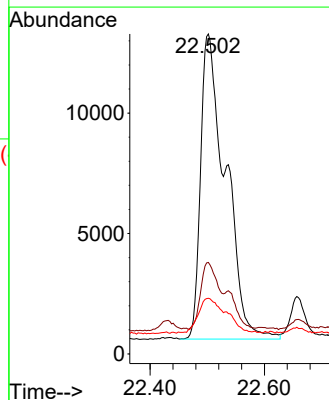
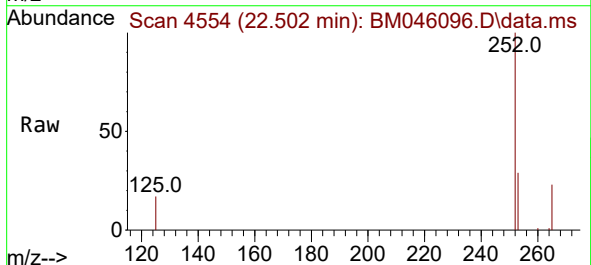
Tgt Ion:252 Resp: 38486

Ion Ratio Lower Upper

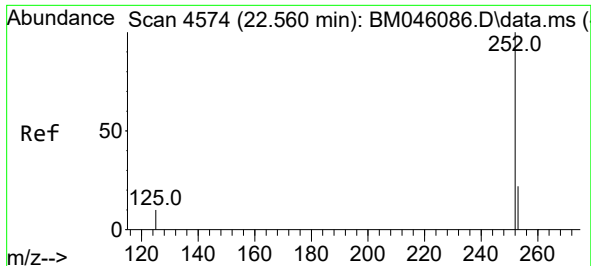
252 100

253 28.6 0.0 65.8

125 17.4 0.0 40.2



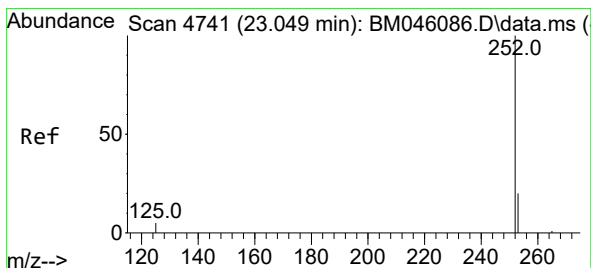
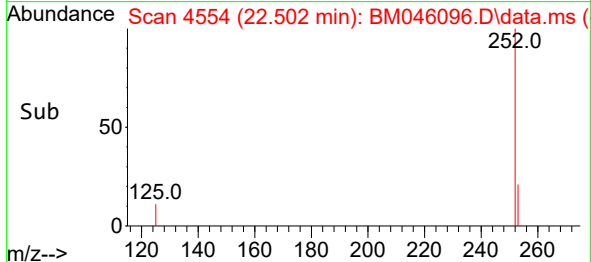
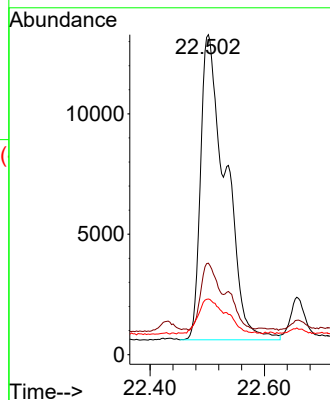
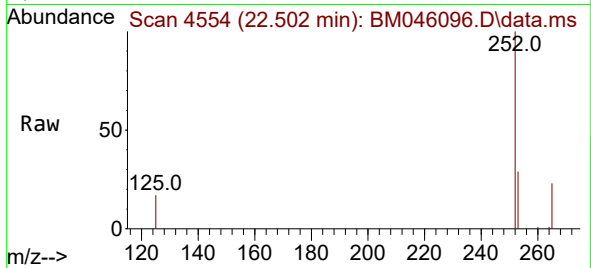




#25  
Benzo(k)fluoranthene  
Concen: 0.816 ng/ul  
RT: 22.502 min Scan# 41  
Delta R.T. -0.061 min  
Lab File: BM046096.D  
Acq: 19 Jun 2024 21:17

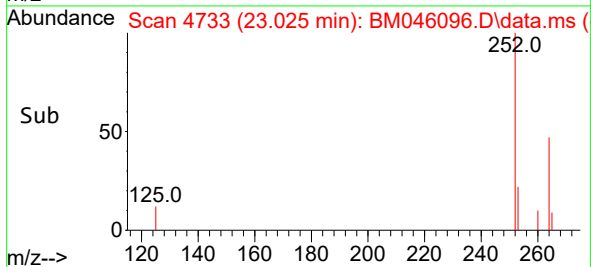
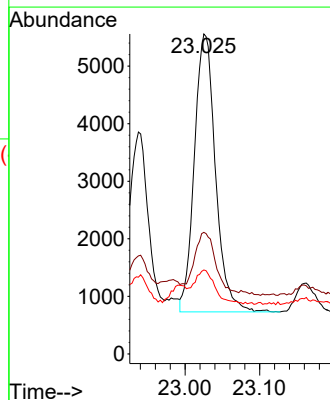
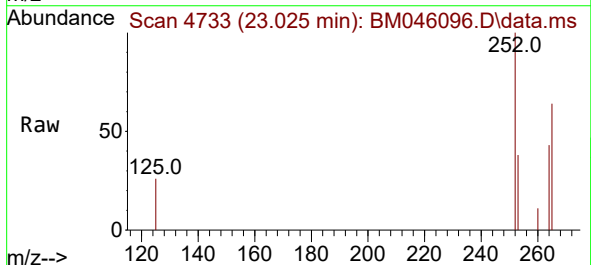
Instrument :  
BNA\_M  
ClientSampleId :  
A4BK3DL

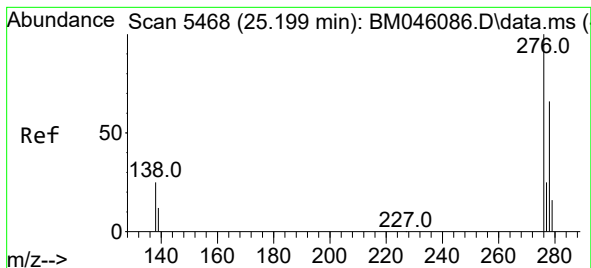
Tgt Ion:252 Resp: 38486  
Ion Ratio Lower Upper  
252 100  
253 28.6 27.2 40.8  
125 17.4 16.6 25.0



#26  
Benzo(a)pyrene  
Concen: 0.259 ng/ul  
RT: 23.025 min Scan# 4733  
Delta R.T. -0.029 min  
Lab File: BM046096.D  
Acq: 19 Jun 2024 21:17

Tgt Ion:252 Resp: 9503  
Ion Ratio Lower Upper  
252 100  
253 38.0 32.1 48.1  
125 26.2 21.2 31.8





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.185 ng/ul

RT: 25.169 min Scan# 54

Delta R.T. -0.034 min

Lab File: BM046096.D

Acq: 19 Jun 2024 21:17

Instrument :

BNA\_M

ClientSampleId :

A4BK3DL

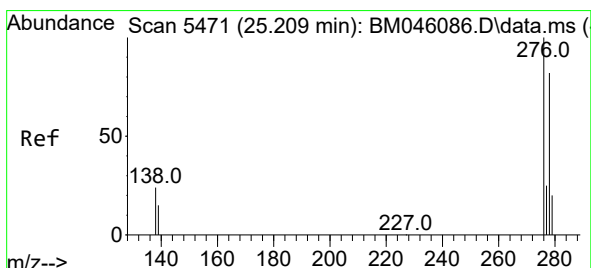
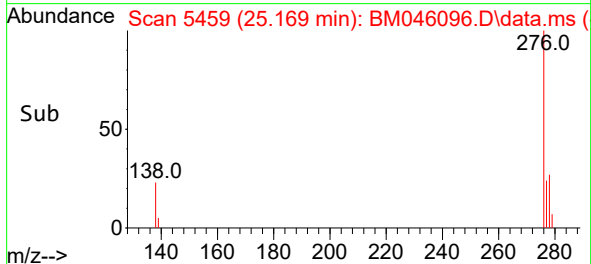
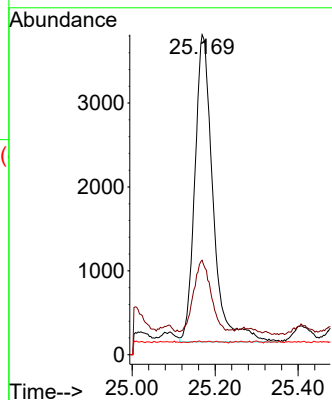
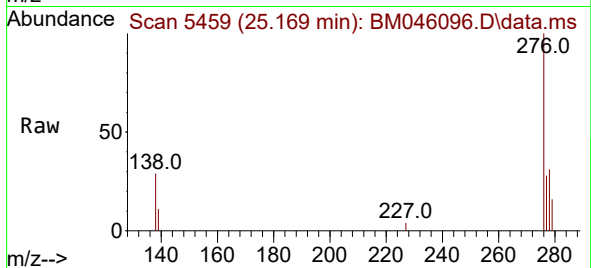
Tgt Ion:276 Resp: 11100

Ion Ratio Lower Upper

276 100

138 22.9 21.0 31.4

227 0.2 0.0 0.0#



#28

Dibenzo(a,h)anthracene

Concen: 0.073 ng/ul

RT: 25.169 min Scan# 5459

Delta R.T. -0.047 min

Lab File: BM046096.D

Acq: 19 Jun 2024 21:17

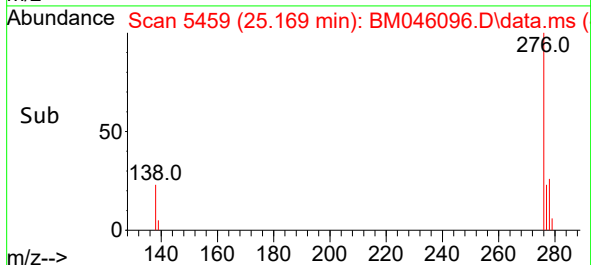
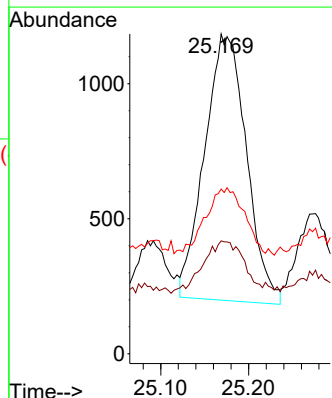
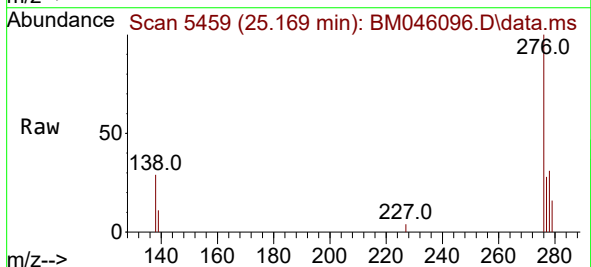
Tgt Ion:278 Resp: 3252

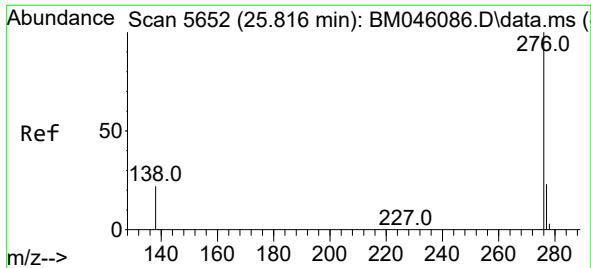
Ion Ratio Lower Upper

278 100

139 35.3 17.6 26.4#

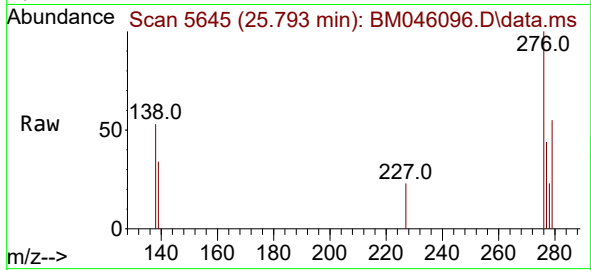
279 51.5 26.3 39.5#





#29  
Benzo(g,h,i)perylene  
Concen: 0.035 ng/ul  
RT: 25.793 min Scan# 5  
Delta R.T. -0.037 min  
Lab File: BM046096.D  
Acq: 19 Jun 2024 21:17

Instrument :  
BNA\_M  
ClientSampleId :  
A4BK3DL



Tgt Ion:276 Resp: 1792  
Ion Ratio Lower Upper  
276 100  
138 53.1 21.7 32.5#  
277 44.3 20.4 30.6#

