

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM062024\  
 Data File : BM046138.D  
 Acq On : 21 Jun 2024 00:16  
 Operator : MA/JU  
 Sample : P2710-14  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4BM4

Quant Time: Jun 21 02:49:59 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

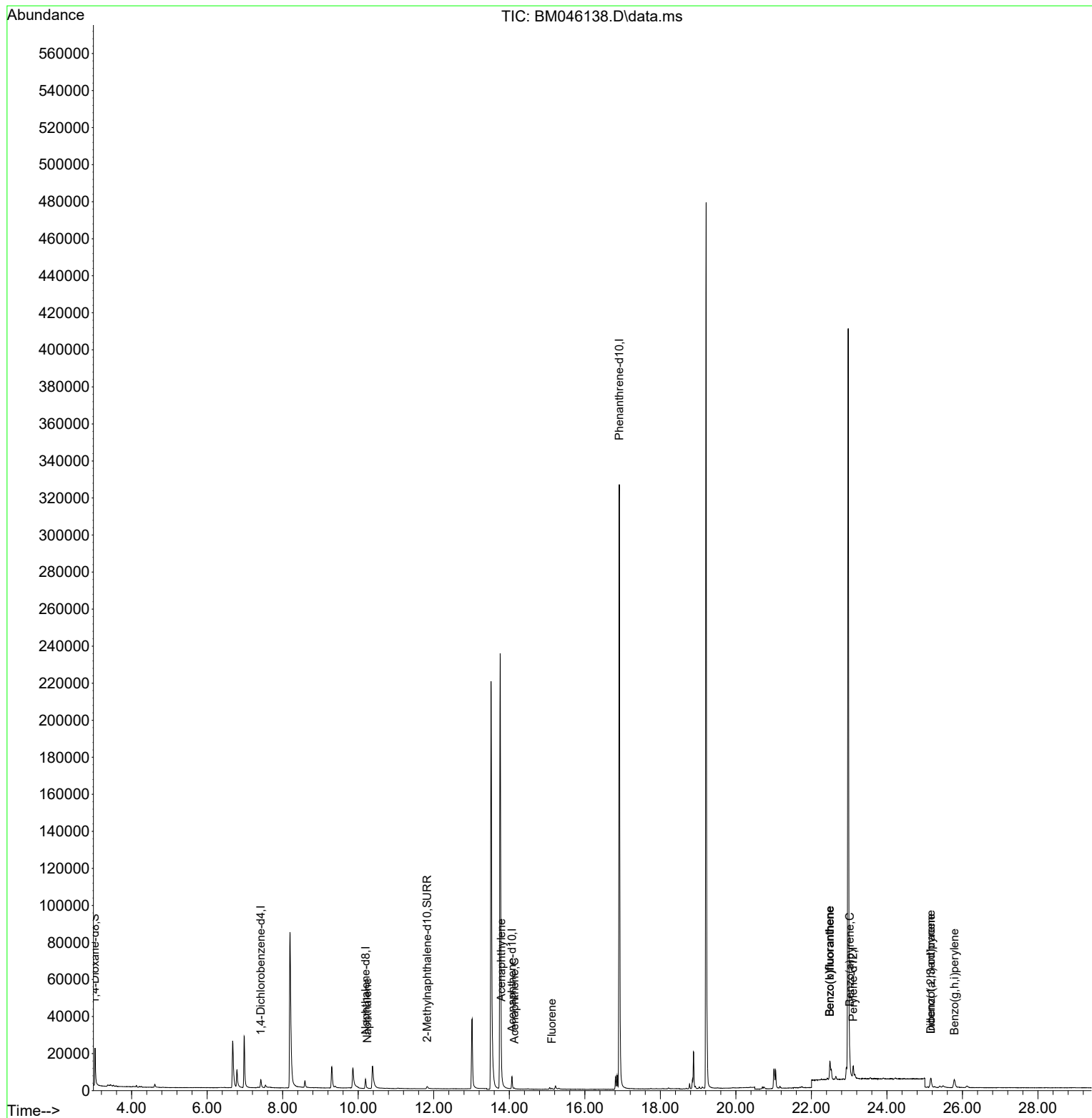
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.421  | 152  | 2548     | 0.400 | ng/ul  | -0.04    |
| 4) Naphthalene-d8           | 10.194 | 136  | 7541     | 0.400 | ng/ul  | -0.06    |
| 9) Acenaphthene-d10         | 14.072 | 164  | 4119     | 0.400 | ng/ul  | -0.04    |
| 13) Phenanthrene-d10        | 16.913 | 188  | 412929   | 0.400 | ng/ul  | # 0.05   |
| 17) Chrysene-d12            | 0.000  | 240  | 0        | 0.000 | ng/ul  | -21.04   |
| 23) Perylene-d12            | 23.109 | 264  | 11529    | 0.400 | ng/ul  | #-0.03   |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.029  | 96   | 12546    | 3.589 | ng/ul  | -0.02    |
| 6) 2-Methylnaphthalene-d10  | 11.827 | 152  | 2515     | 0.248 | ng/ul  | -0.04    |
| 18) Fluoranthene-d10        | 18.849 | 212  | 5363     | 0.000 | ng/ul  | -0.04    |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        | Qvalue   |
| 5) Naphthalene              | 10.244 | 128  | 555      | 0.026 | ng/ul# | 49       |
| 10) Acenaphthylene          | 13.790 | 152  | 1384     | 0.071 | ng/ul# | 81       |
| 11) Acenaphthene            | 14.132 | 153  | 294      | 0.021 | ng/ul# | 91       |
| 12) Fluorene                | 15.127 | 166  | 420      | 0.028 | ng/ul# | 94       |
| 24) Benzo(b)fluoranthene    | 22.490 | 252  | 21355    | 0.514 | ng/ul  | 98       |
| 25) Benzo(k)fluoranthene    | 22.490 | 252  | 21355    | 0.432 | ng/ul  | 98       |
| 26) Benzo(a)pyrene          | 23.016 | 252  | 9858     | 0.256 | ng/ul  | 95       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.162 | 276  | 8686     | 0.138 | ng/ul# | 91       |
| 28) Dibenzo(a,h)anthracene  | 25.165 | 278  | 1961     | 0.042 | ng/ul# | 36       |
| 29) Benzo(g,h,i)perylene    | 25.785 | 276  | 9463     | 0.175 | ng/ul  | 96       |
| -----                       |        |      |          |       |        |          |

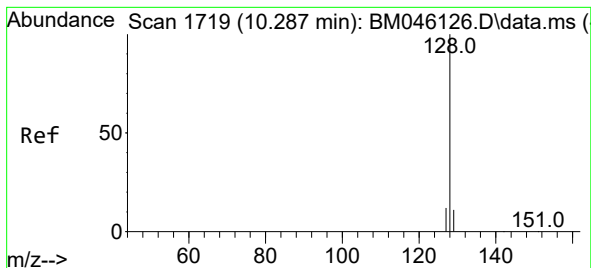
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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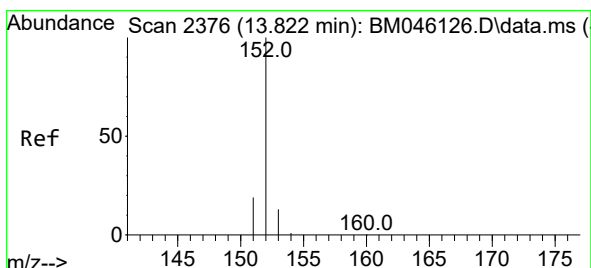
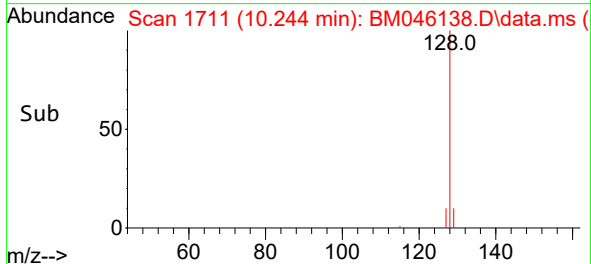
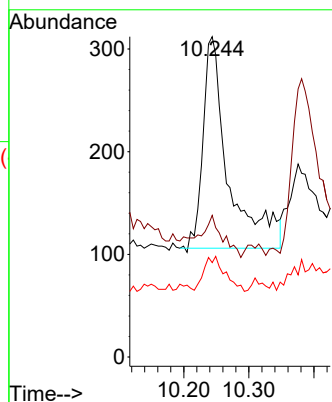
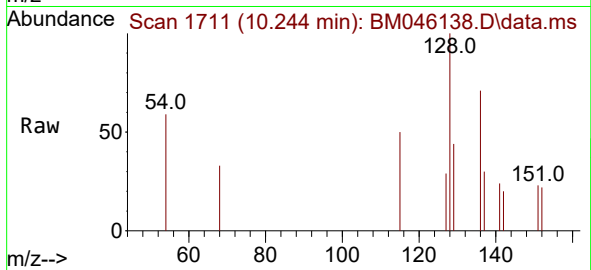




#5  
Naphthalene  
Concen: 0.026 ng/ul  
RT: 10.244 min Scan# 1711  
Delta R.T. -0.059 min  
Lab File: BM046138.D  
Acq: 21 Jun 2024 00:16

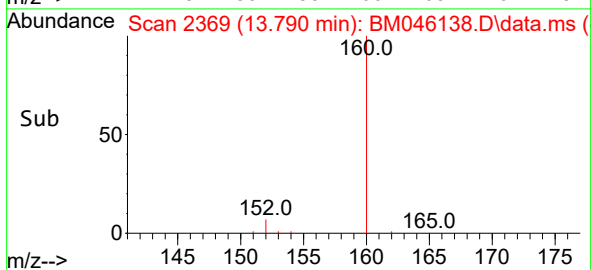
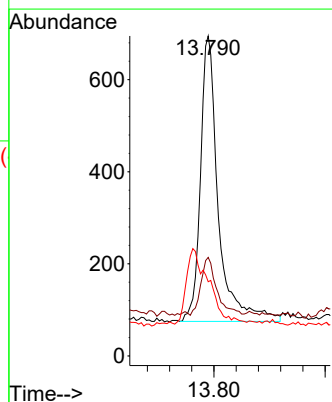
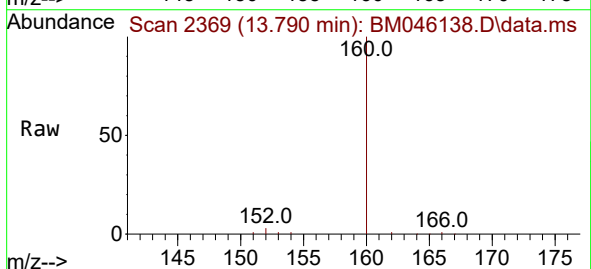
Instrument :  
BNA\_M  
ClientSampleId :  
A4BM4

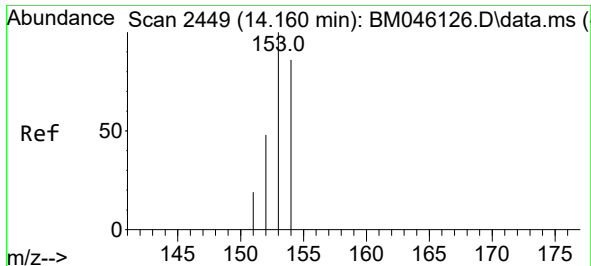
Tgt Ion:128 Resp: 555  
Ion Ratio Lower Upper  
128 100  
129 44.2 11.8 17.6#  
127 29.5 12.8 19.2#



#10  
Acenaphthylene  
Concen: 0.071 ng/ul  
RT: 13.790 min Scan# 2369  
Delta R.T. -0.045 min  
Lab File: BM046138.D  
Acq: 21 Jun 2024 00:16

Tgt Ion:152 Resp: 1384  
Ion Ratio Lower Upper  
152 100  
151 30.8 17.4 26.2#  
153 23.2 11.8 17.8#

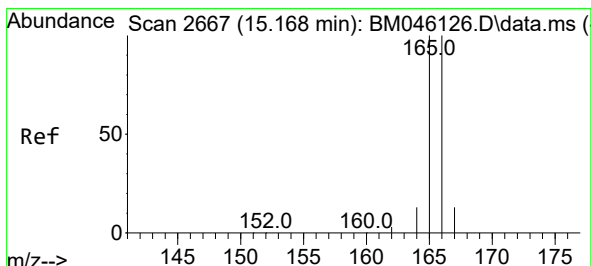
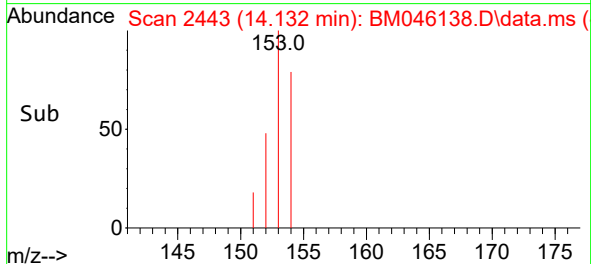
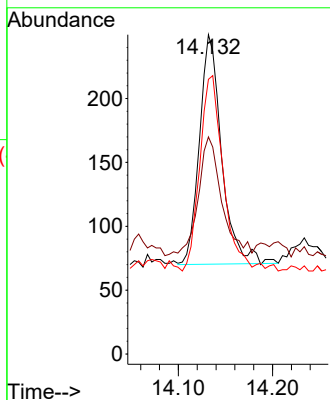
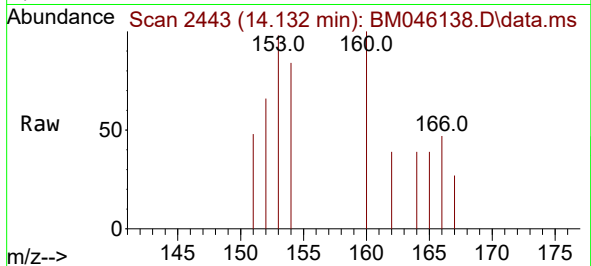




#11  
Acenaphthene  
Concen: 0.021 ng/ul  
RT: 14.132 min Scan# 2443  
Delta R.T. -0.040 min  
Lab File: BM046138.D  
Acq: 21 Jun 2024 00:16

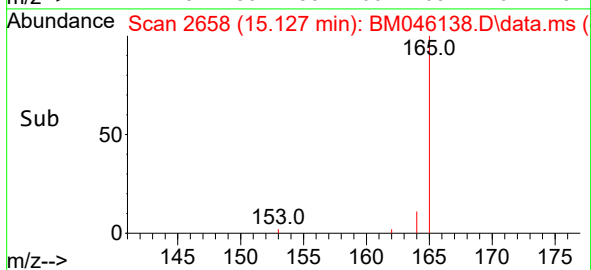
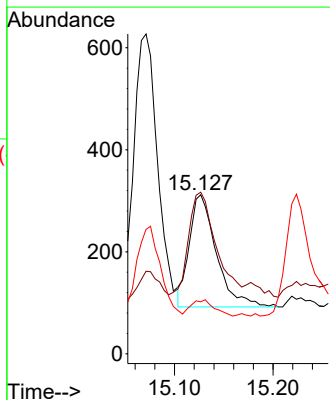
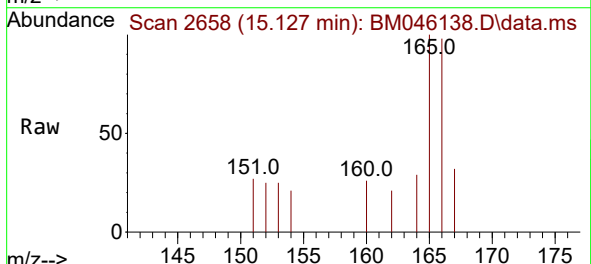
Instrument :  
BNA\_M  
ClientSampleId :  
A4BM4

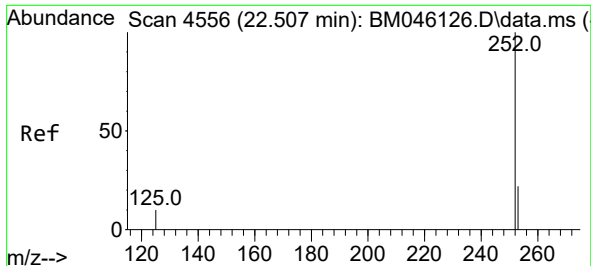
Tgt Ion:153 Resp: 294  
Ion Ratio Lower Upper  
153 100  
152 68.0 41.3 61.9#  
154 86.0 68.2 102.4



#12  
Fluorene  
Concen: 0.028 ng/ul  
RT: 15.127 min Scan# 2658  
Delta R.T. -0.054 min  
Lab File: BM046138.D  
Acq: 21 Jun 2024 00:16

Tgt Ion:166 Resp: 420  
Ion Ratio Lower Upper  
166 100  
165 101.6 80.4 120.6  
167 32.7 12.4 18.6#

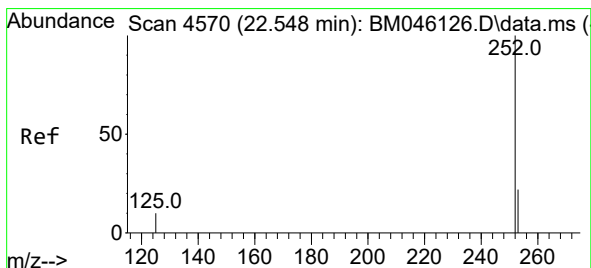
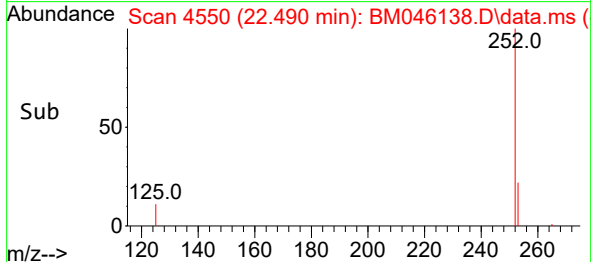
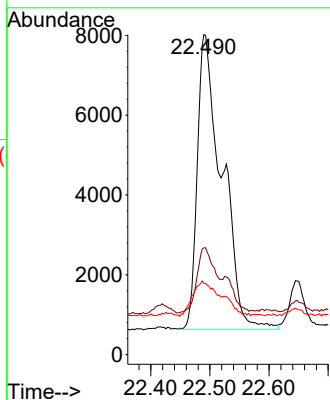
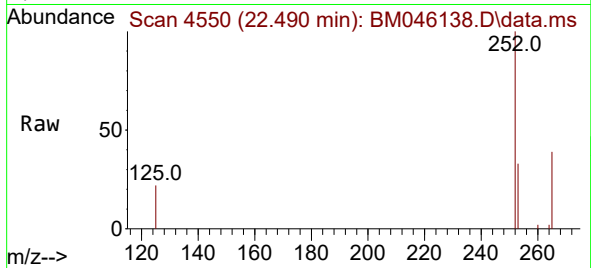




#24  
Benzo(b)fluoranthene  
Concen: 0.514 ng/ul  
RT: 22.490 min Scan# 4550  
Delta R.T. -0.030 min  
Lab File: BM046138.D  
Acq: 21 Jun 2024 00:16

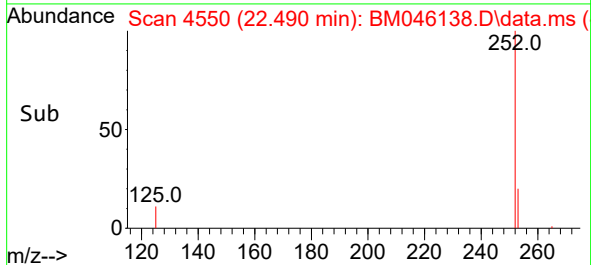
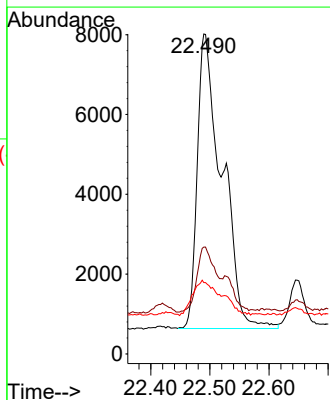
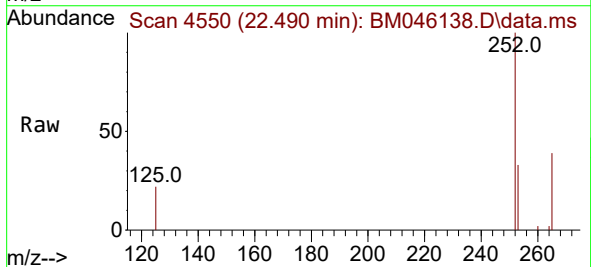
Instrument :  
BNA\_M  
ClientSampleId :  
A4BM4

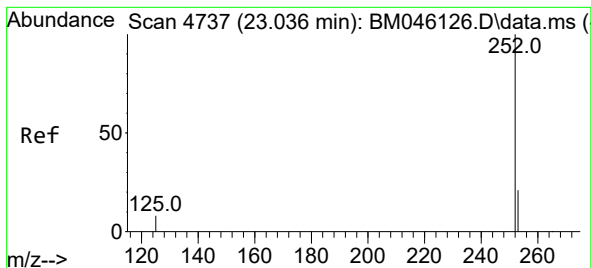
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 33.4  | 0.0   | 65.8  |
| 125     | 22.3  | 0.0   | 40.2  |



#25  
Benzo(k)fluoranthene  
Concen: 0.432 ng/ul  
RT: 22.490 min Scan# 4550  
Delta R.T. -0.074 min  
Lab File: BM046138.D  
Acq: 21 Jun 2024 00:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 33.4  | 27.2  | 40.8  |
| 125     | 22.3  | 16.6  | 25.0  |





#26

Benzo(a)pyrene

Concen: 0.256 ng/ul

RT: 23.016 min Scan# 41

Delta R.T. -0.039 min

Lab File: BM046138.D

Acq: 21 Jun 2024 00:16

Instrument :

BNA\_M

ClientSampleId :

A4BM4

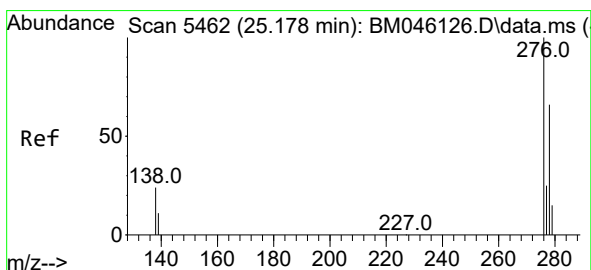
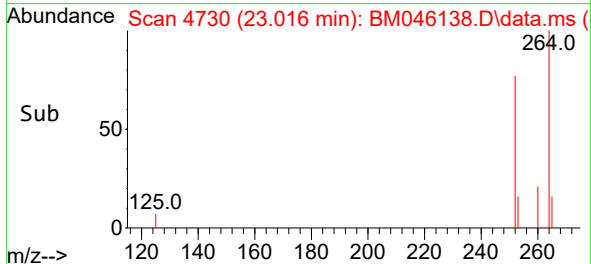
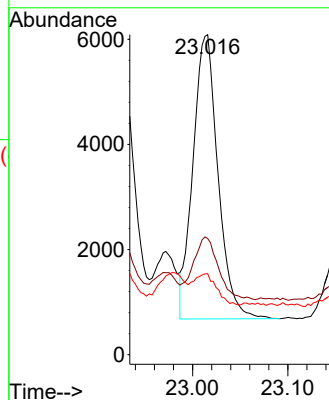
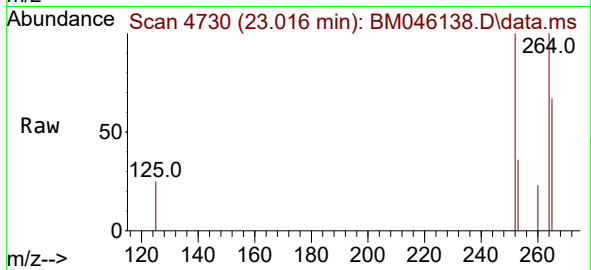
Tgt Ion:252 Resp: 9858

Ion Ratio Lower Upper

252 100

253 36.3 32.1 48.1

125 25.3 21.2 31.8



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.138 ng/ul

RT: 25.162 min Scan# 5457

Delta R.T. -0.041 min

Lab File: BM046138.D

Acq: 21 Jun 2024 00:16

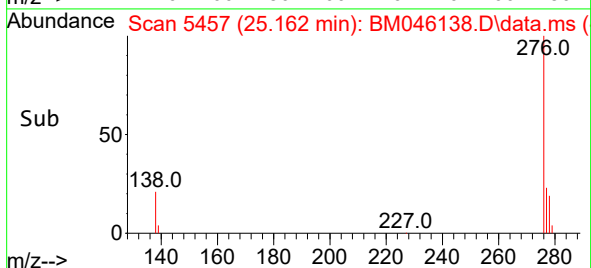
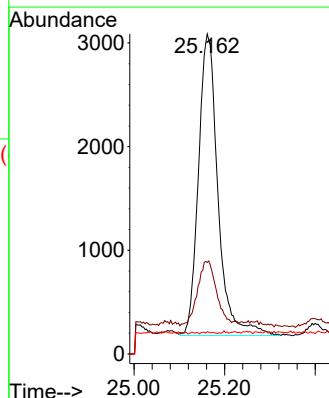
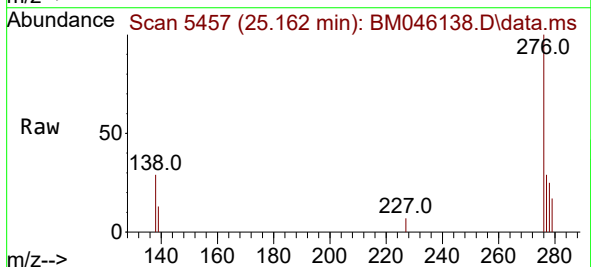
Tgt Ion:276 Resp: 8686

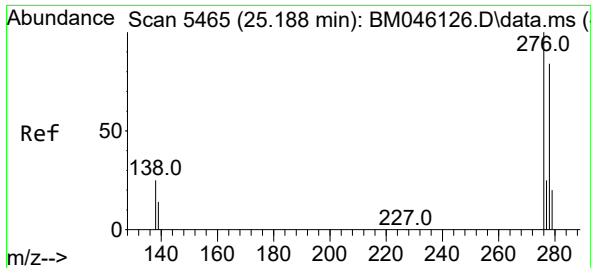
Ion Ratio Lower Upper

276 100

138 21.6 21.0 31.4

227 0.1 0.0 0.0#

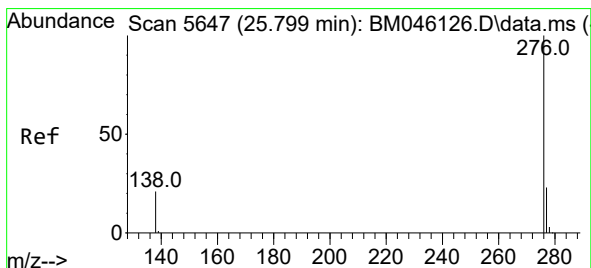
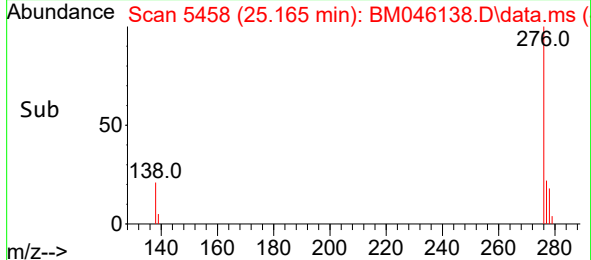
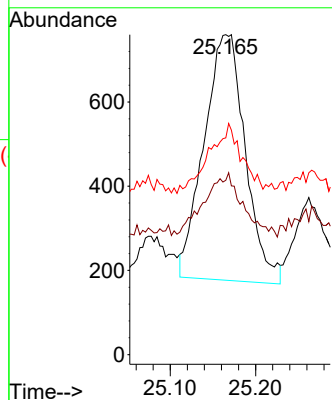
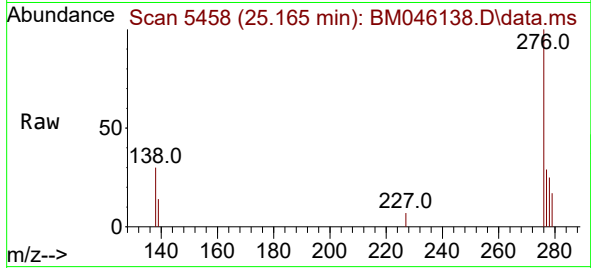




#28  
Dibenzo(a,h)anthracene  
Concen: 0.042 ng/ul  
RT: 25.165 min Scan# 5465  
Delta R.T. -0.051 min  
Lab File: BM046138.D  
Acq: 21 Jun 2024 00:16

Instrument :  
BNA\_M  
ClientSampleId :  
A4BM4

Tgt Ion:278 Resp: 1961  
Ion Ratio Lower Upper  
278 100  
139 54.5 17.6 26.4#  
279 67.8 26.3 39.5#



#29  
Benzo(g,h,i)perylene  
Concen: 0.175 ng/ul  
RT: 25.785 min Scan# 5643  
Delta R.T. -0.044 min  
Lab File: BM046138.D  
Acq: 21 Jun 2024 00:16

Tgt Ion:276 Resp: 9463  
Ion Ratio Lower Upper  
276 100  
138 28.7 21.7 32.5  
277 28.3 20.4 30.6

