

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM100423\  
 Data File : BM042188.D  
 Acq On : 04 Oct 2023 14:56  
 Operator : MA/JU  
 Sample : 04480-09DL 5X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

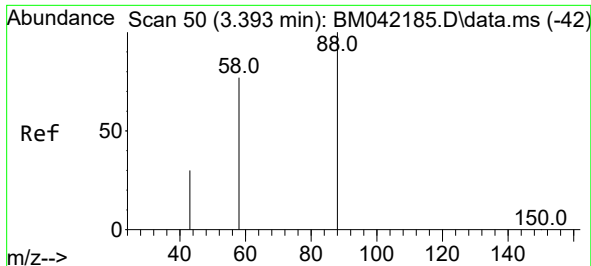
Instrument :  
 BNA\_M  
 ClientSampleId :  
 BBJY5DL

Quant Time: Oct 05 01:54:05 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM100223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 02 19:28:41 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.929  | 152  | 3887     | 0.400 | ng/ul  | # 0.00   |
| 4) Naphthalene-d8           | 10.741 | 136  | 10123    | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.578 | 164  | 4431     | 0.400 | ng/ul  | # 0.00   |
| 13) Phenanthrene-d10        | 17.333 | 188  | 9748     | 0.400 | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.509 | 240  | 5359     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.909 | 264  | 5358     | 0.400 | ng/ul  | -0.01    |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.360  | 96   | 5252     | 1.015 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.324 | 152  | 956      | 0.069 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 19.357 | 212  | 1555     | 0.077 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 2) 1,4-Dioxane              | 3.393  | 88   | 1442     | 0.267 | ng/ul# | 75       |
| 5) Naphthalene              | 10.790 | 128  | 60851    | 1.802 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.401 | 142  | 1562     | 0.077 | ng/ul  | 97       |
| 8) 1-Methylnaphthalene      | 12.621 | 142  | 13639    | 0.670 | ng/ul  | 100      |
| 11) Acenaphthene            | 14.643 | 153  | 649      | 0.031 | ng/ul# | 90       |
| 12) Fluorene                | 15.628 | 166  | 937      | 0.039 | ng/ul# | 94       |
| 20) Pyrene                  | 19.752 | 202  | 968      | 0.022 | ng/ul# | 61       |
| 21) Benzo(a)anthracene      | 21.492 | 228  | 1073     | 0.031 | ng/ul# | 84       |
| 22) Chrysene                | 21.547 | 228  | 1285     | 0.038 | ng/ul# | 85       |
| 24) Benzo(b)fluoranthene    | 23.173 | 252  | 1311     | 0.041 | ng/ul# | 1        |
| 25) Benzo(k)fluoranthene    | 23.216 | 252  | 1101     | 0.035 | ng/ul# | 1        |
| 29) Benzo(g,h,i)perylene    | 27.189 | 276  | 691      | 0.021 | ng/ul# | 18       |
| -----                       |        |      |          |       |        |          |

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

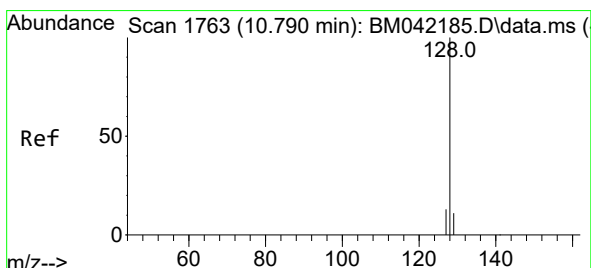
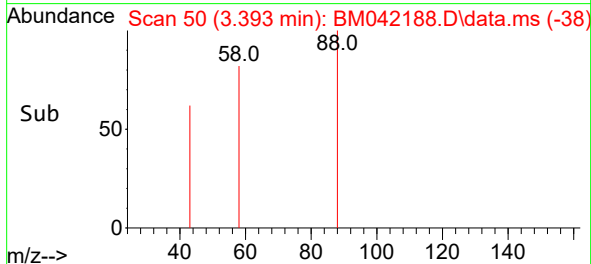
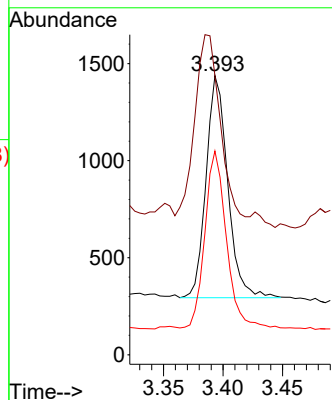
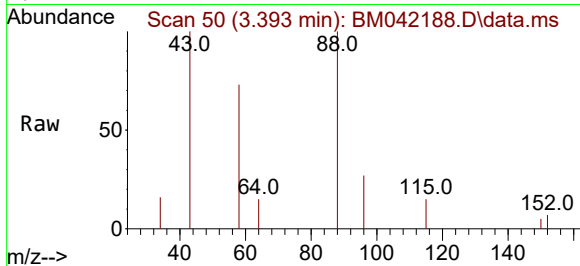




#2  
1,4-Dioxane  
Concen: 0.267 ng/ul  
RT: 3.393 min Scan# 50  
Delta R.T. -0.009 min  
Lab File: BM042188.D  
Acq: 04 Oct 2023 14:56

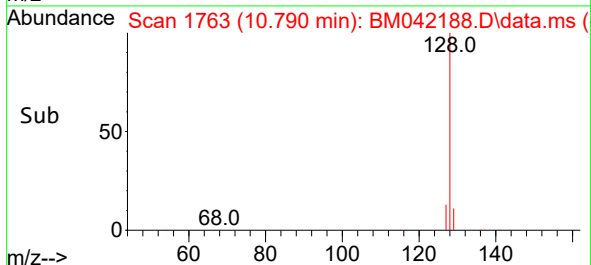
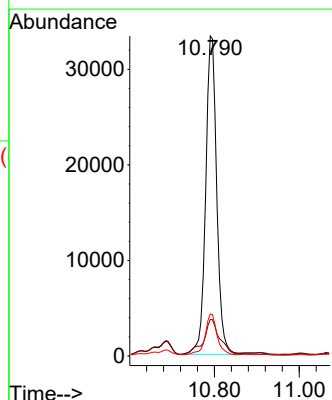
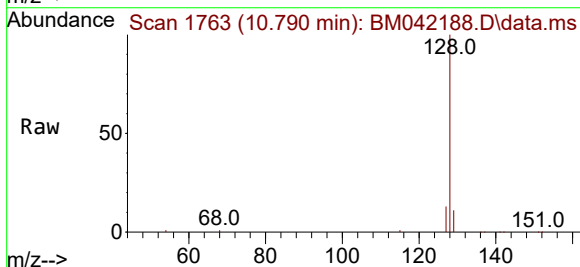
Instrument :  
BNA\_M  
ClientSampleId :  
BBJY5DL

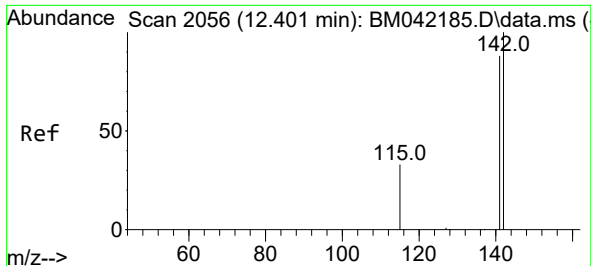
Tgt Ion: 88 Resp: 1442  
Ion Ratio Lower Upper  
88 100  
43 100.1 52.1 78.1#  
58 73.0 53.8 80.6



#5  
Naphthalene  
Concen: 1.802 ng/ul  
RT: 10.790 min Scan# 1763  
Delta R.T. -0.011 min  
Lab File: BM042188.D  
Acq: 04 Oct 2023 14:56

Tgt Ion: 128 Resp: 60851  
Ion Ratio Lower Upper  
128 100  
129 11.4 9.4 14.2  
127 13.1 11.0 16.4

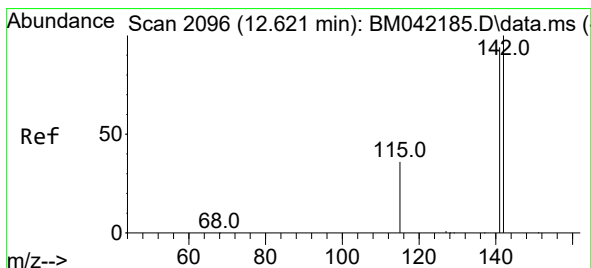
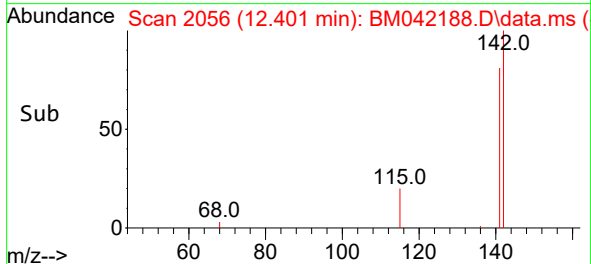
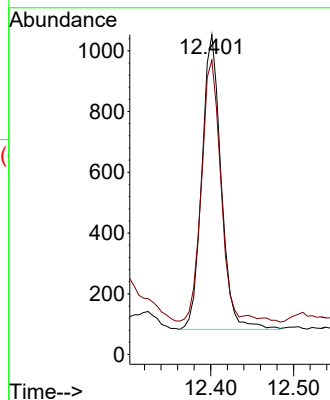
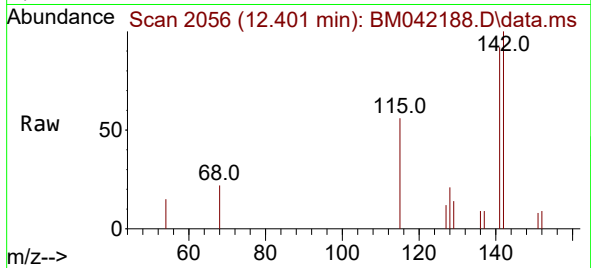




#7  
2-Methylnaphthalene  
Concen: 0.077 ng/ul  
RT: 12.401 min Scan# 2056  
Delta R.T. -0.006 min  
Lab File: BM042188.D  
Acq: 04 Oct 2023 14:56

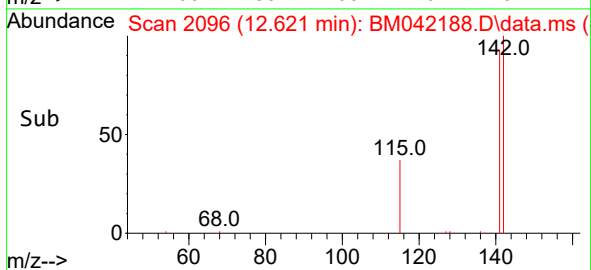
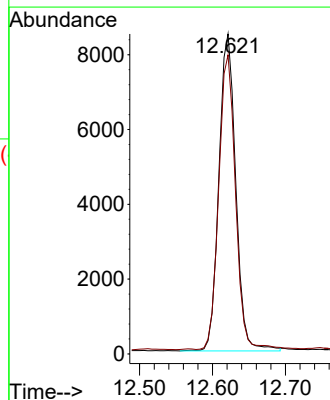
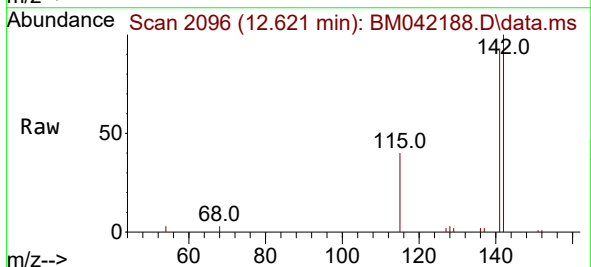
Instrument :  
BNA\_M  
ClientSampleId :  
BBJY5DL

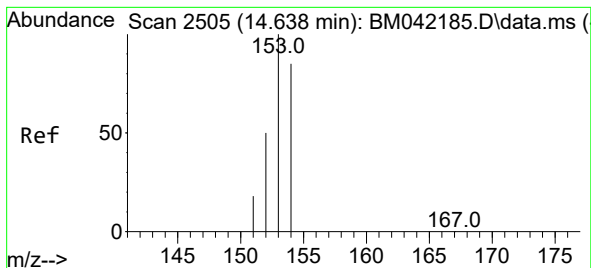
Tgt Ion:142 Resp: 1562  
Ion Ratio Lower Upper  
142 100  
141 90.1 70.2 105.4



#8  
1-Methylnaphthalene  
Concen: 0.670 ng/ul  
RT: 12.621 min Scan# 2096  
Delta R.T. -0.006 min  
Lab File: BM042188.D  
Acq: 04 Oct 2023 14:56

Tgt Ion:142 Resp: 13639  
Ion Ratio Lower Upper  
142 100  
141 92.3 73.5 110.3





#11

Acenaphthene

Concen: 0.031 ng/ul

RT: 14.643 min Scan# 2506

Delta R.T. -0.005 min

Lab File: BM042188.D

Acq: 04 Oct 2023 14:56

Instrument :

BNA\_M

ClientSampleId :

BBJY5DL

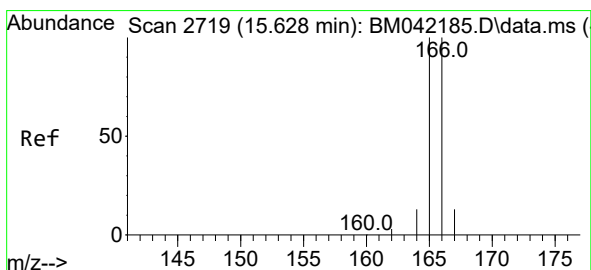
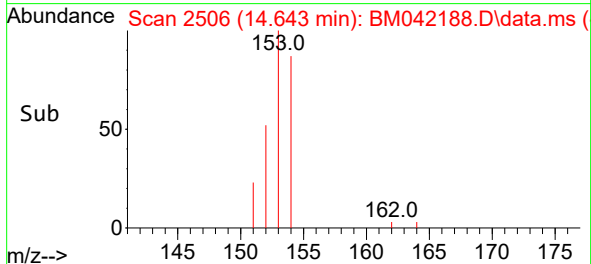
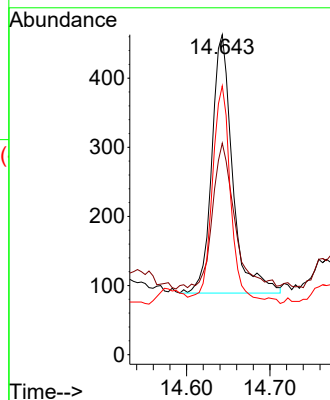
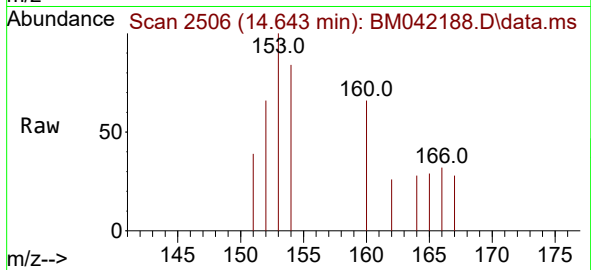
Tgt Ion:153 Resp: 649

Ion Ratio Lower Upper

153 100

152 66.1 41.1 61.7#

154 84.0 69.5 104.3



#12

Fluorene

Concen: 0.039 ng/ul

RT: 15.628 min Scan# 2719

Delta R.T. -0.009 min

Lab File: BM042188.D

Acq: 04 Oct 2023 14:56

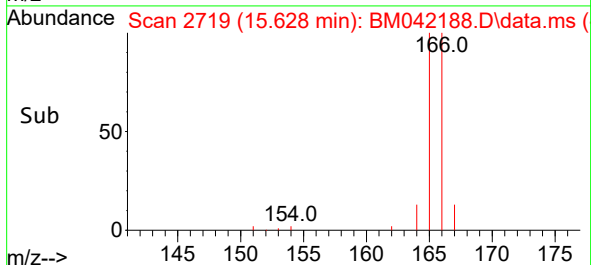
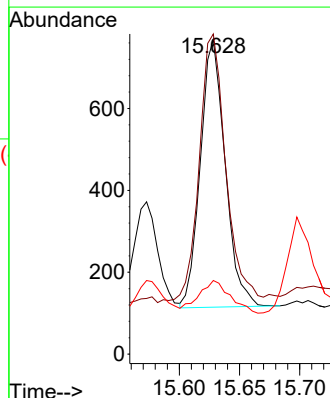
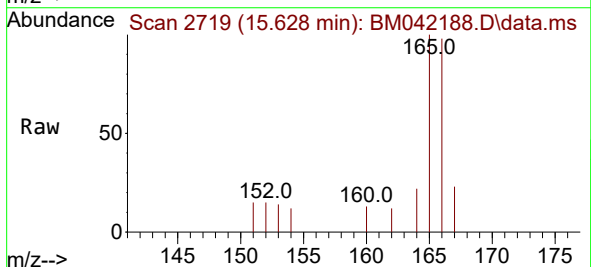
Tgt Ion:166 Resp: 937

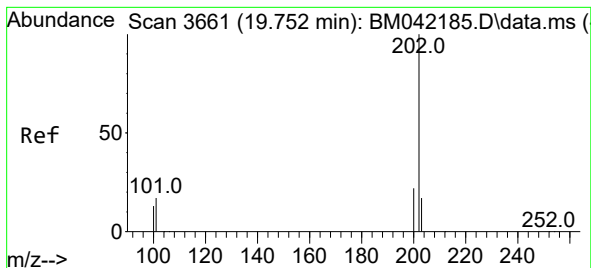
Ion Ratio Lower Upper

166 100

165 101.7 78.4 117.6

167 23.4 11.5 17.3#





#20

Pyrene

Concen: 0.022 ng/ul

RT: 19.752 min Scan# 3661

Delta R.T. -0.009 min

Lab File: BM042188.D

Acq: 04 Oct 2023 14:56

Instrument :

BNA\_M

ClientSampleId :

BBJY5DL

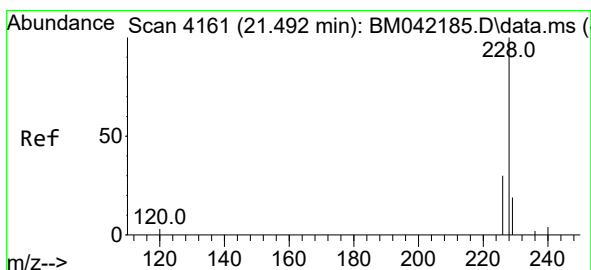
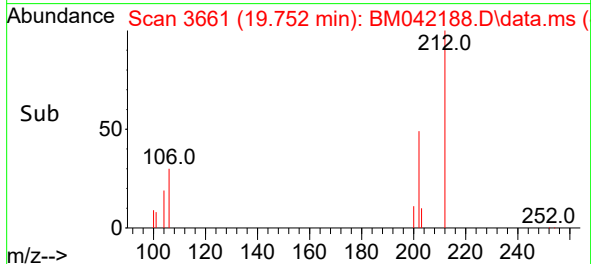
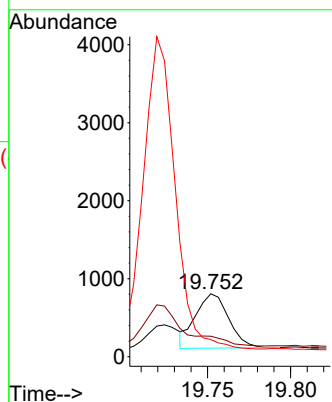
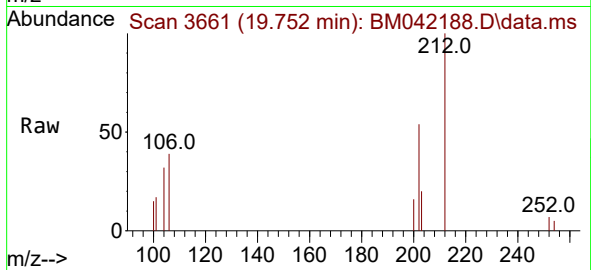
Tgt Ion:202 Resp: 968

Ion Ratio Lower Upper

202 100

101 32.6 12.7 19.1#

100 27.1 9.9 14.9#



#21

Benzo(a)anthracene

Concen: 0.031 ng/ul

RT: 21.492 min Scan# 4161

Delta R.T. -0.006 min

Lab File: BM042188.D

Acq: 04 Oct 2023 14:56

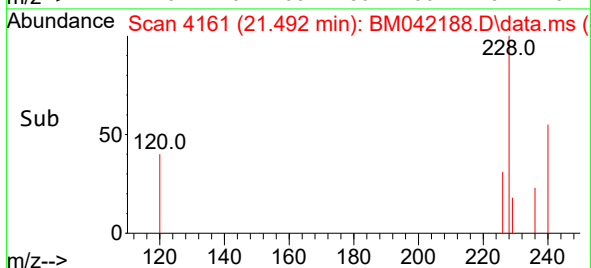
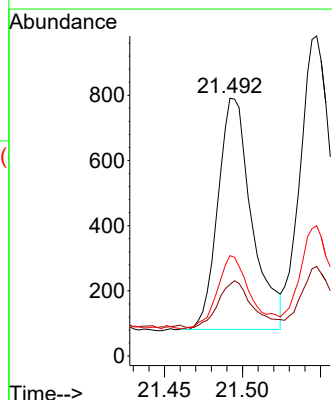
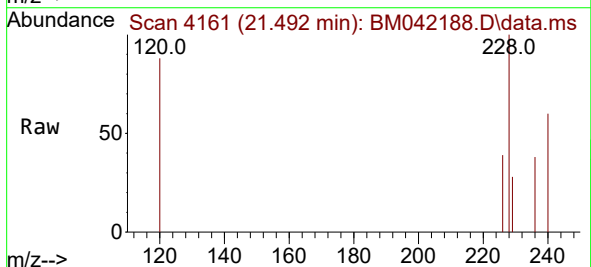
Tgt Ion:228 Resp: 1073

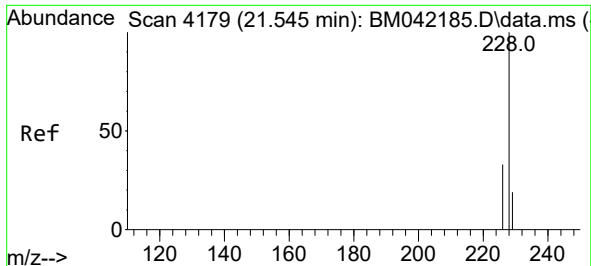
Ion Ratio Lower Upper

228 100

229 27.8 15.8 23.8#

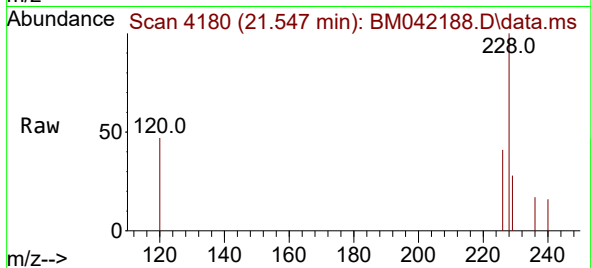
226 38.9 24.6 37.0#



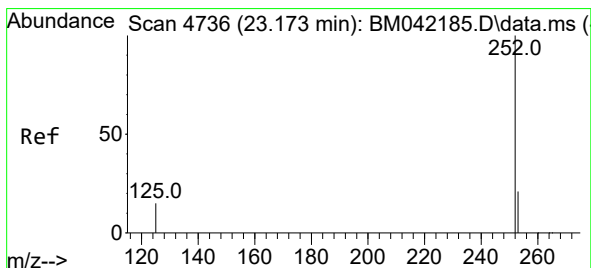
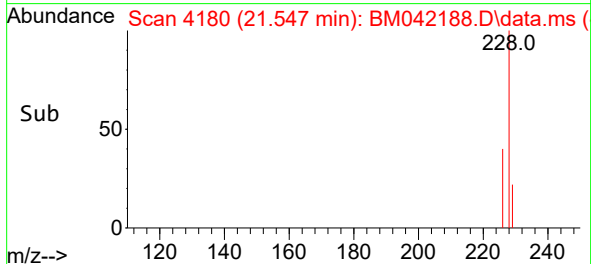
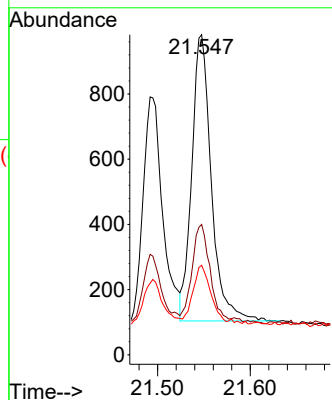


#22  
Chrysene  
Concen: 0.038 ng/ul  
RT: 21.547 min Scan# 4179  
Delta R.T. -0.006 min  
Lab File: BM042188.D  
Acq: 04 Oct 2023 14:56

Instrument :  
BNA\_M  
ClientSampleId :  
BBJY5DL

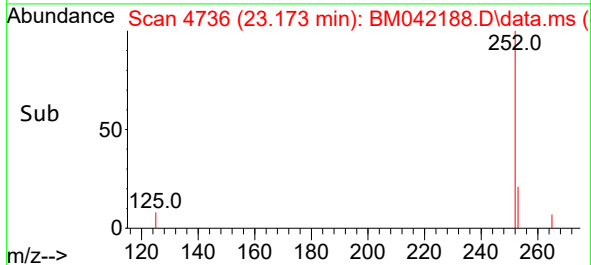
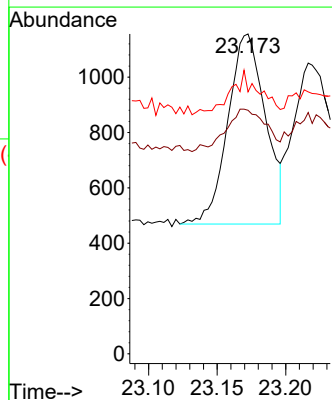
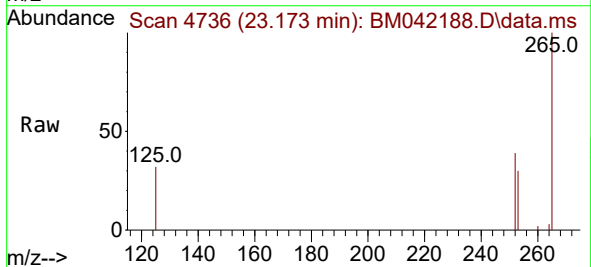


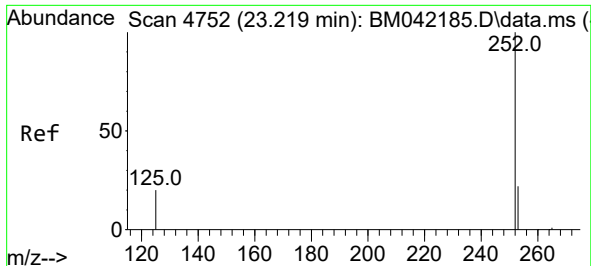
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Ion Ratio Lower Upper  
228 100  
226 40.7 26.7 40.1#  
229 28.0 15.8 23.8#



#24  
Benzo(b)fluoranthene  
Concen: 0.041 ng/ul  
RT: 23.173 min Scan# 4736  
Delta R.T. -0.006 min  
Lab File: BM042188.D  
Acq: 04 Oct 2023 14:56

Tgt Ion:252 Resp: 1311  
Ion Ratio Lower Upper  
252 100  
253 76.1 0.0 59.0#  
125 81.9 0.0 49.6#

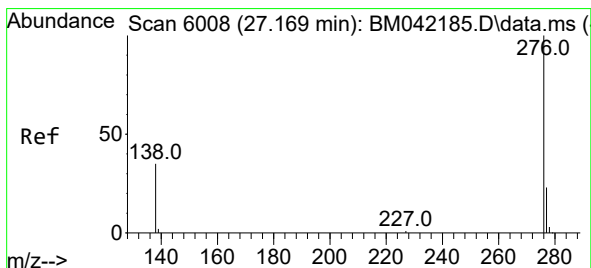
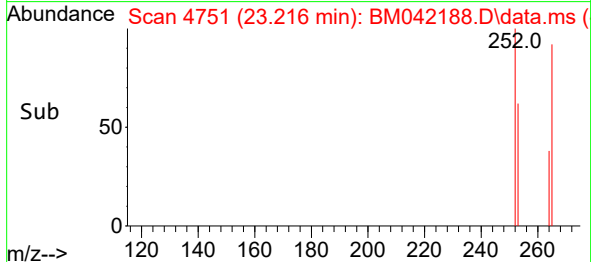
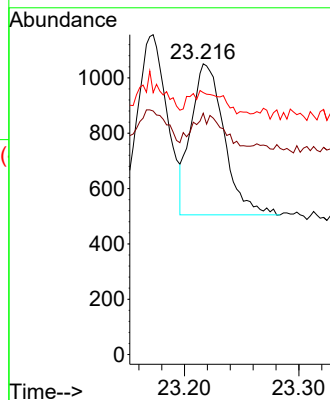
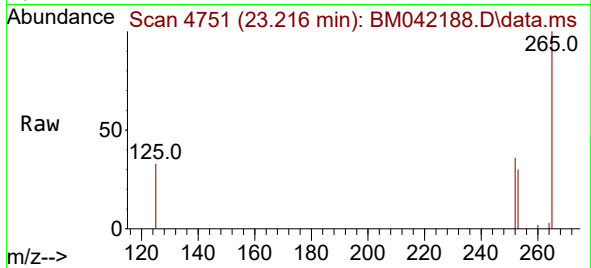




#25  
Benzo(k)fluoranthene  
Concen: 0.035 ng/ul  
RT: 23.216 min Scan# 41  
Delta R.T. -0.012 min  
Lab File: BM042188.D  
Acq: 04 Oct 2023 14:56

Instrument :  
BNA\_M  
ClientSampleId :  
BBJY5DL

Tgt Ion:252 Resp: 1101  
Ion Ratio Lower Upper  
252 100  
253 83.0 23.4 35.0#  
125 90.1 19.9 29.9#



#29  
Benzo(g,h,i)perylene  
Concen: 0.021 ng/ul  
RT: 27.189 min Scan# 6014  
Delta R.T. -0.007 min  
Lab File: BM042188.D  
Acq: 04 Oct 2023 14:56

Tgt Ion:276 Resp: 691  
Ion Ratio Lower Upper  
276 100  
138 87.1 26.8 40.2#  
277 58.1 20.1 30.1#

