

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052523\  
 Data File : BM040017.D  
 Acq On : 26 May 2023 00:19  
 Operator : CG/JU  
 Sample : 05861-21  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 H0FM2

Quant Time: May 26 01:18:55 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM052523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 25 15:01:16 2023  
 Response via : Initial Calibration

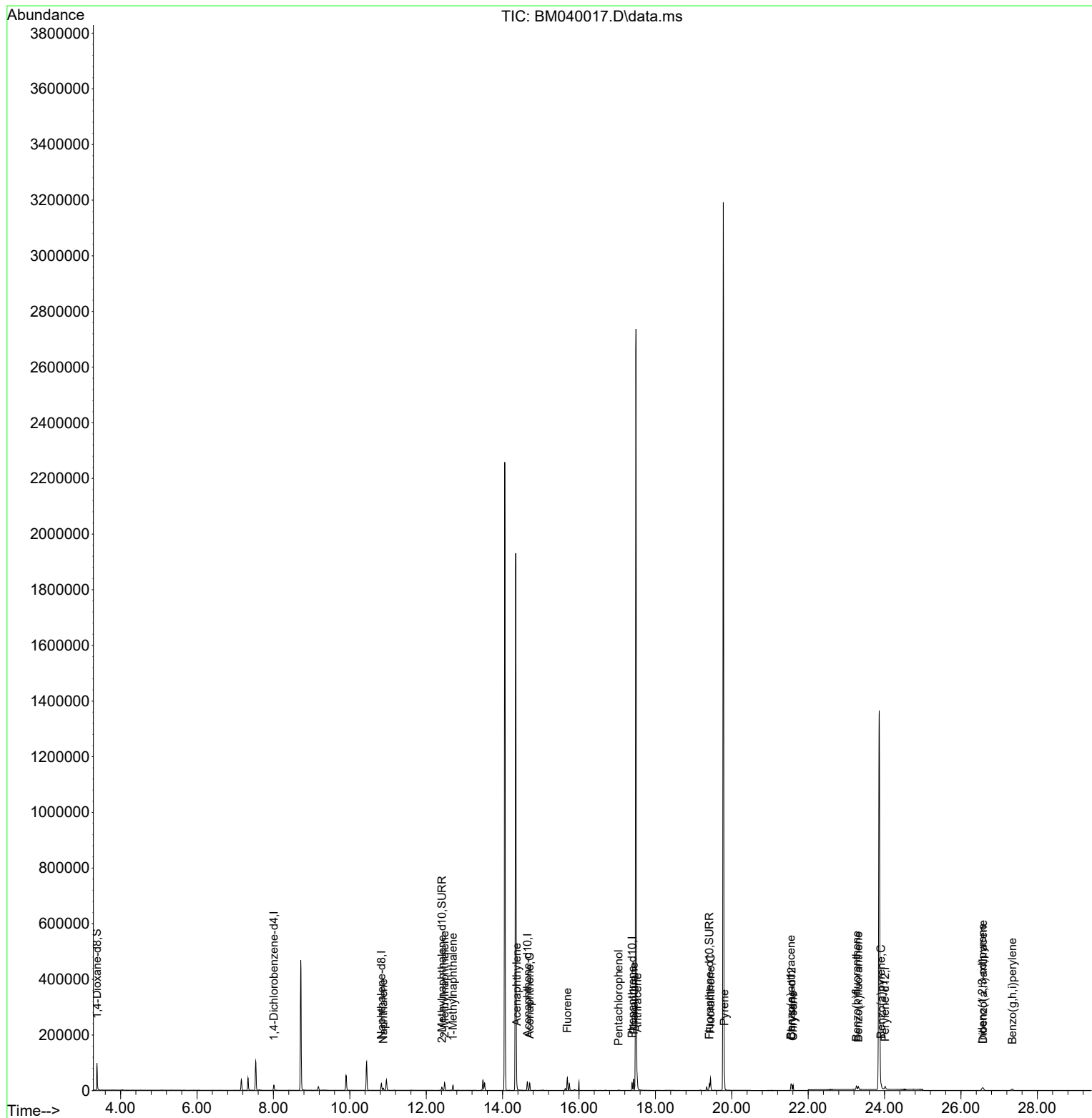
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.012  | 152  | 9034     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.826 | 136  | 32376    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.650 | 164  | 17083    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.390 | 188  | 30420    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.566 | 240  | 15926    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.013 | 264  | 15208    | 0.400 | ng/ul  | -0.01    |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.380  | 96   | 60089    | 5.712 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.410 | 152  | 14520    | 0.367 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.411 | 212  | 23424    | 0.489 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.876 | 128  | 10938    | 0.138 | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 12.481 | 142  | 18772    | 0.393 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.701 | 142  | 12892    | 0.260 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.368 | 152  | 18457    | 0.271 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.710 | 153  | 14860    | 0.268 | ng/ul  | 99       |
| 12) Fluorene                | 15.695 | 166  | 27016    | 0.468 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 17.040 | 266  | 1307     | 0.212 | ng/ul  | 98       |
| 15) Phenanthrene            | 17.432 | 178  | 40770    | 0.473 | ng/ul  | 100      |
| 16) Anthracene              | 17.525 | 178  | 38408    | 0.531 | ng/ul  | 100      |
| 19) Fluoranthene            | 19.443 | 202  | 35608    | 0.497 | ng/ul  | 97       |
| 20) Pyrene                  | 19.806 | 202  | 45343    | 0.624 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.551 | 228  | 17226    | 0.321 | ng/ul  | 99       |
| 22) Chrysene                | 21.604 | 228  | 16249    | 0.285 | ng/ul  | 100      |
| 24) Benzo(b)fluoranthene    | 23.264 | 252  | 16422    | 0.272 | ng/ul  | 92       |
| 25) Benzo(k)fluoranthene    | 23.314 | 252  | 14361    | 0.236 | ng/ul# | 94       |
| 26) Benzo(a)pyrene          | 23.904 | 252  | 13148    | 0.260 | ng/ul# | 89       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.560 | 276  | 13734    | 0.189 | ng/ul# | 99       |
| 28) Dibenzo(a,h)anthracene  | 26.580 | 278  | 10803    | 0.184 | ng/ul  | 97       |
| 29) Benzo(g,h,i)perylene    | 27.341 | 276  | 11012    | 0.185 | ng/ul  | 99       |

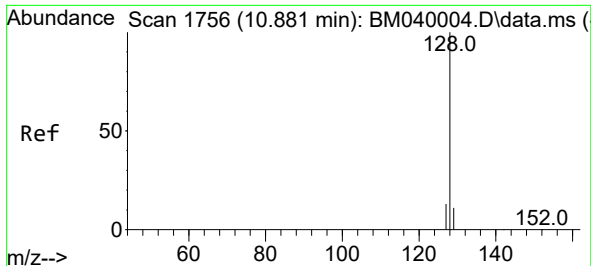
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052523\  
Data File : BM040017.D  
Acq On : 26 May 2023 00:19  
Operator : CG/JU  
Sample : 05861-21  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
H0FM2

Quant Time: May 26 01:18:55 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM052523.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu May 25 15:01:16 2023  
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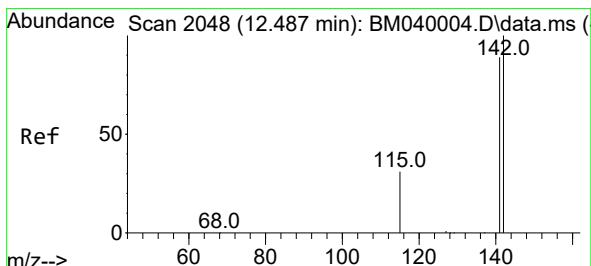
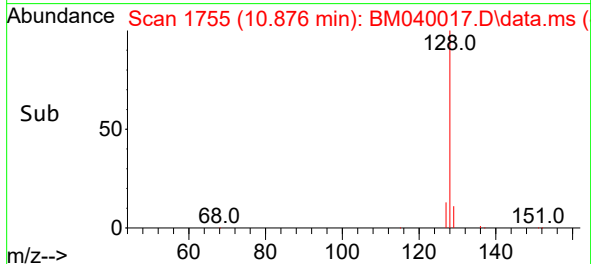
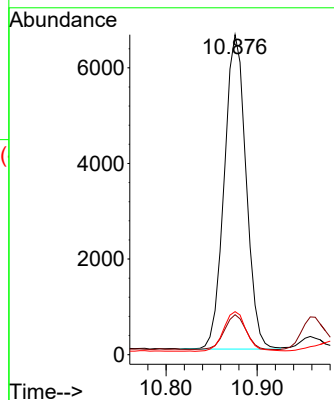
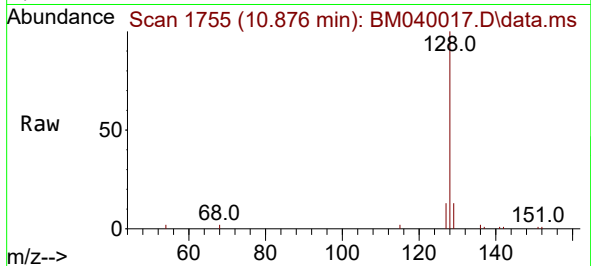




#5  
Naphthalene  
Concen: 0.138 ng/ul  
RT: 10.876 min Scan# 1755  
Delta R.T. -0.001 min  
Lab File: BM040017.D  
Acq: 26 May 2023 00:19

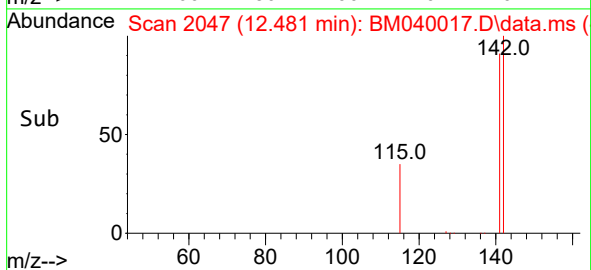
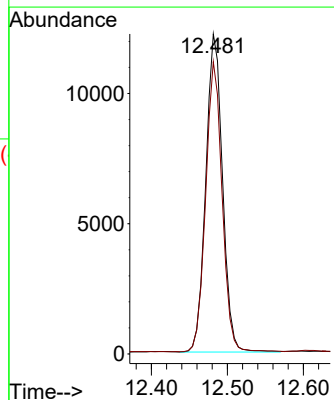
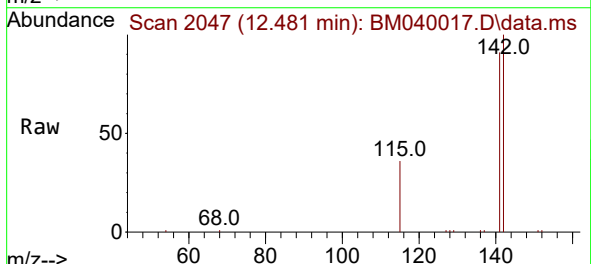
Instrument :  
BNA\_M  
ClientSampleId :  
H0FM2

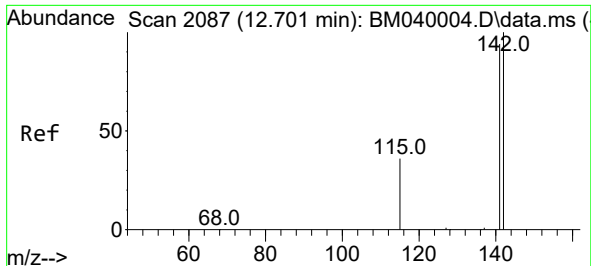
Tgt Ion:128 Resp: 10938  
Ion Ratio Lower Upper  
128 100  
129 12.5 9.0 13.6  
127 13.4 10.5 15.7



#7  
2-Methylnaphthalene  
Concen: 0.393 ng/ul  
RT: 12.481 min Scan# 2047  
Delta R.T. -0.001 min  
Lab File: BM040017.D  
Acq: 26 May 2023 00:19

Tgt Ion:142 Resp: 18772  
Ion Ratio Lower Upper  
142 100  
141 89.6 71.3 106.9

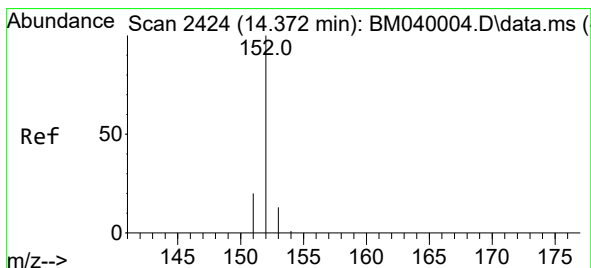
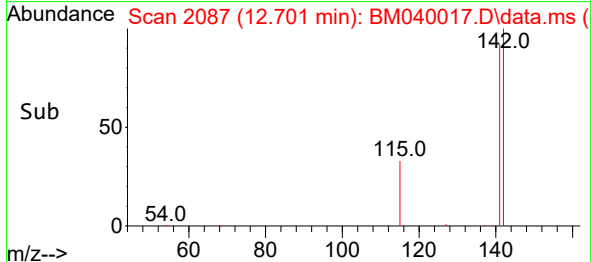
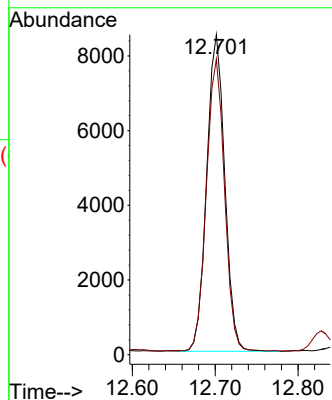
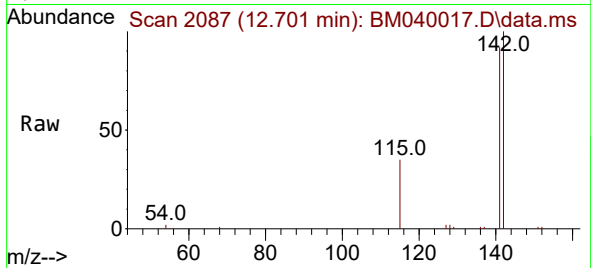




#8  
1-Methylnaphthalene  
Concen: 0.260 ng/ul  
RT: 12.701 min Scan# 2087  
Delta R.T. -0.001 min  
Lab File: BM040017.D  
Acq: 26 May 2023 00:19

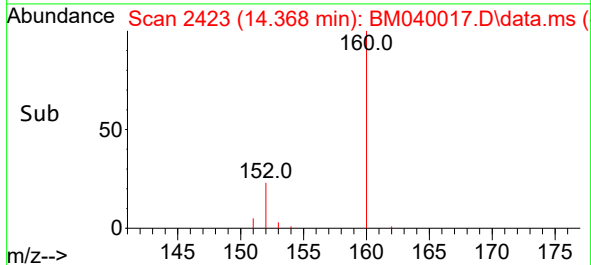
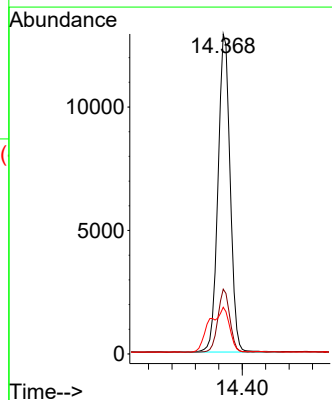
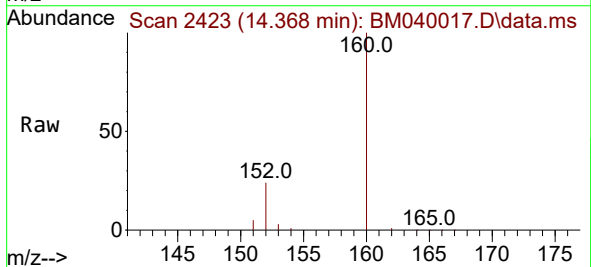
Instrument :  
BNA\_M  
ClientSampleId :  
H0FM2

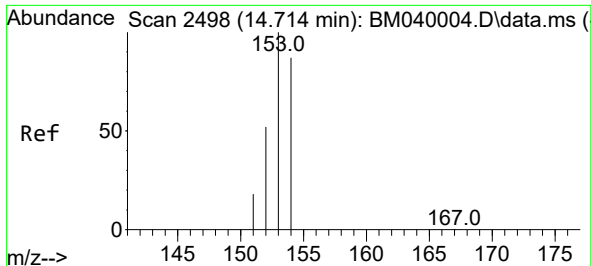
Tgt Ion:142 Resp: 12892  
Ion Ratio Lower Upper  
142 100  
141 92.2 73.8 110.6



#10  
Acenaphthylene  
Concen: 0.271 ng/ul  
RT: 14.368 min Scan# 2423  
Delta R.T. -0.001 min  
Lab File: BM040017.D  
Acq: 26 May 2023 00:19

Tgt Ion:152 Resp: 18457  
Ion Ratio Lower Upper  
152 100  
151 20.3 16.2 24.4  
153 14.6 10.6 16.0

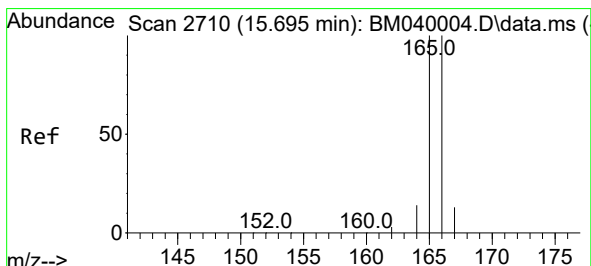
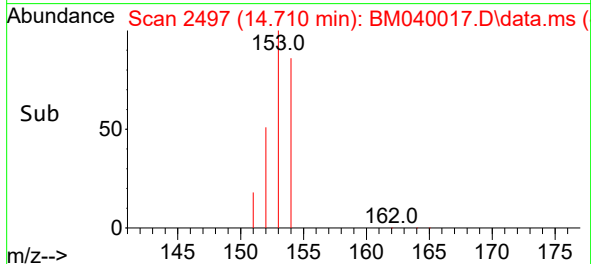
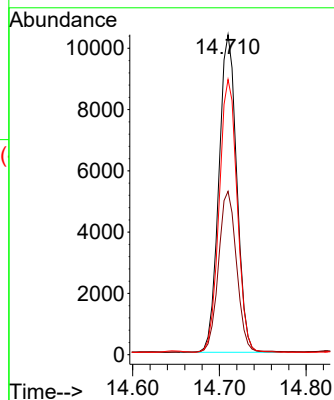
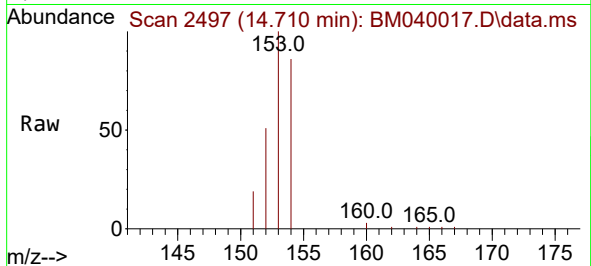




#11  
Acenaphthene  
Concen: 0.268 ng/ul  
RT: 14.710 min Scan# 2498  
Delta R.T. -0.001 min  
Lab File: BM040017.D  
Acq: 26 May 2023 00:19

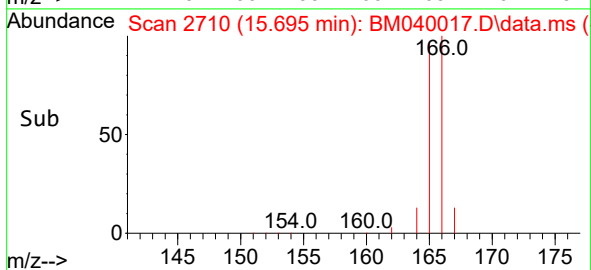
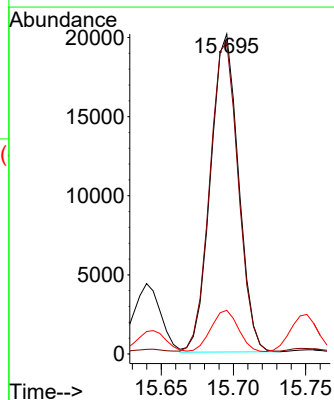
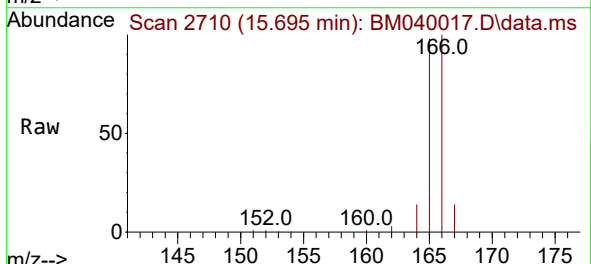
Instrument :  
BNA\_M  
ClientSampleId :  
H0FM2

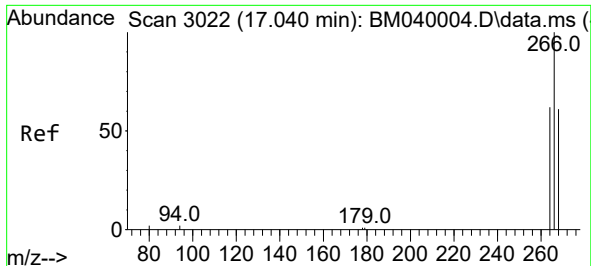
Tgt Ion:153 Resp: 14860  
Ion Ratio Lower Upper  
153 100  
152 51.1 42.0 63.0  
154 86.0 69.4 104.2



#12  
Fluorene  
Concen: 0.468 ng/ul  
RT: 15.695 min Scan# 2710  
Delta R.T. -0.001 min  
Lab File: BM040017.D  
Acq: 26 May 2023 00:19

Tgt Ion:166 Resp: 27016  
Ion Ratio Lower Upper  
166 100  
165 97.5 79.3 118.9  
167 13.6 10.8 16.2

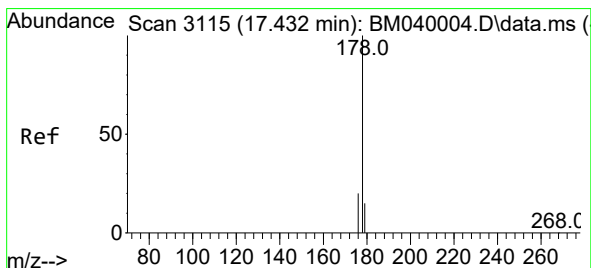
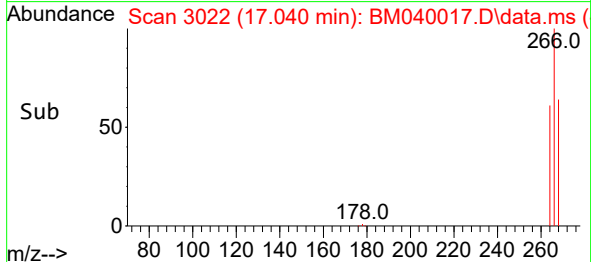
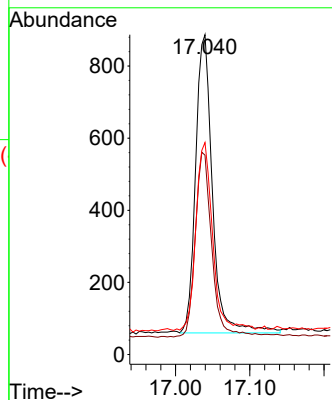
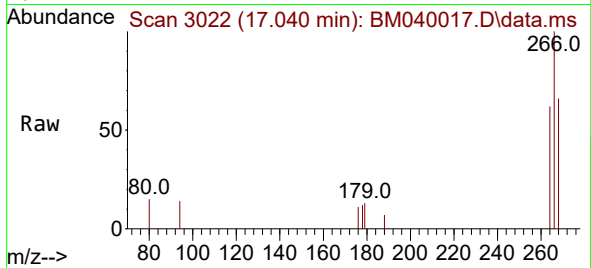




#14  
 Pentachlorophenol  
 Concen: 0.212 ng/ul  
 RT: 17.040 min Scan# 3022  
 Delta R.T. -0.001 min  
 Lab File: BM040017.D  
 Acq: 26 May 2023 00:19

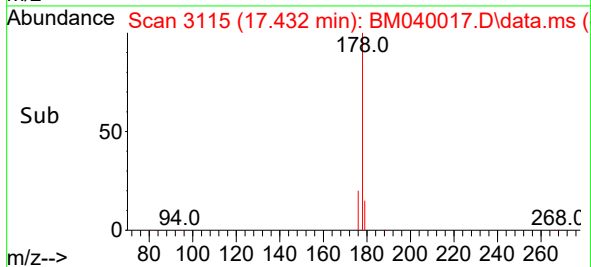
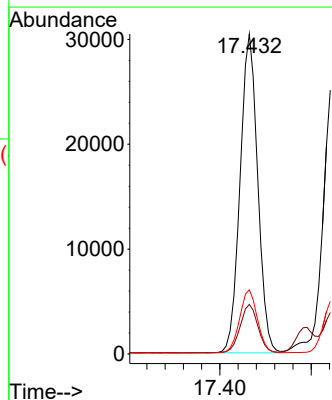
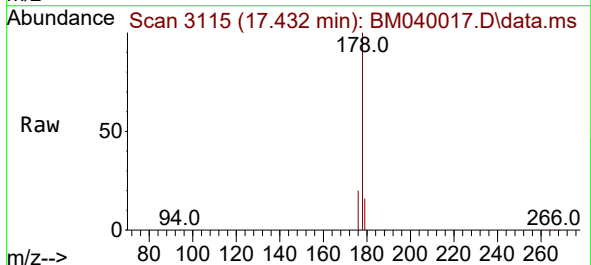
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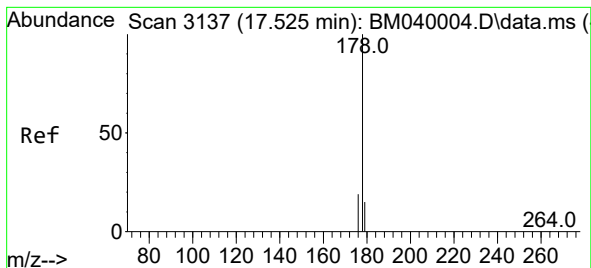
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|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 1307 |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 61.4  | 49.2  | 73.8 |
| 268       | 62.5  | 51.9  | 77.9 |



#15  
 Phenanthrene  
 Concen: 0.473 ng/ul  
 RT: 17.432 min Scan# 3115  
 Delta R.T. -0.001 min  
 Lab File: BM040017.D  
 Acq: 26 May 2023 00:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 40770 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 15.5  | 12.4  | 18.6  |
| 176       | 20.1  | 16.3  | 24.5  |





#16

Anthracene

Concen: 0.531 ng/ul

RT: 17.525 min Scan# 3137

Delta R.T. -0.001 min

Lab File: BM040017.D

Acq: 26 May 2023 00:19

Instrument :

BNA\_M

ClientSampleId :

H0FM2

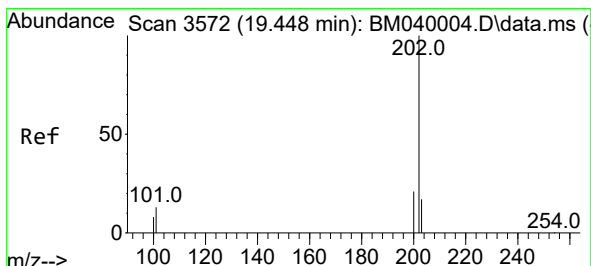
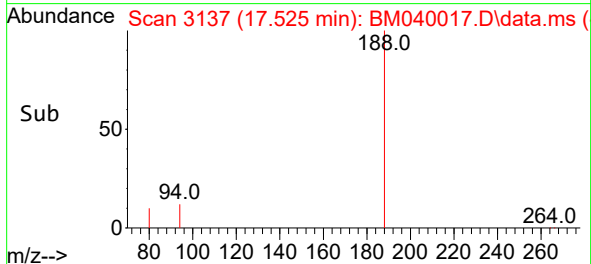
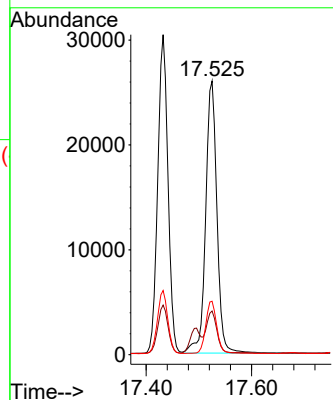
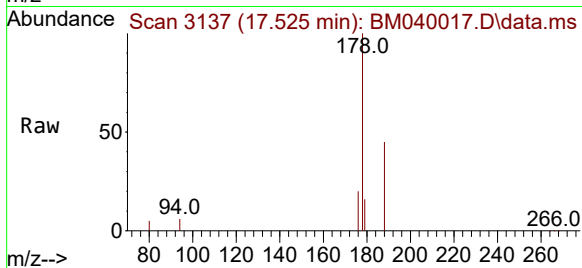
Tgt Ion:178 Resp: 38408

Ion Ratio Lower Upper

178 100

179 15.9 12.6 19.0

176 19.5 15.5 23.3



#19

Fluoranthene

Concen: 0.497 ng/ul

RT: 19.443 min Scan# 3571

Delta R.T. -0.001 min

Lab File: BM040017.D

Acq: 26 May 2023 00:19

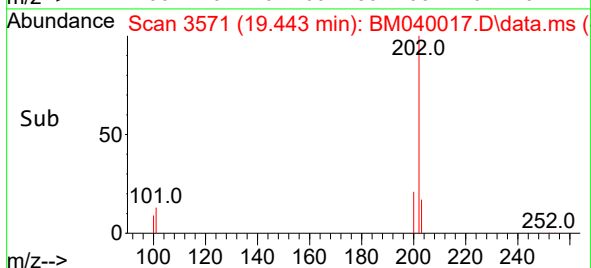
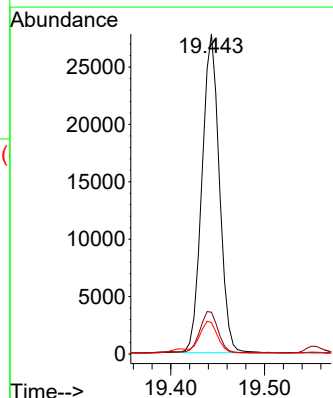
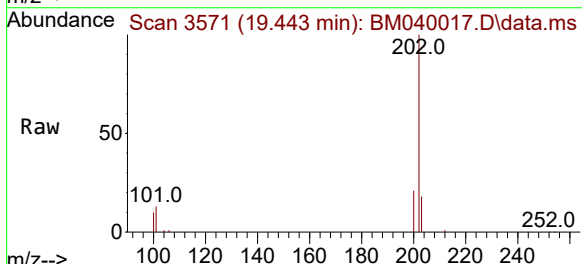
Tgt Ion:202 Resp: 35608

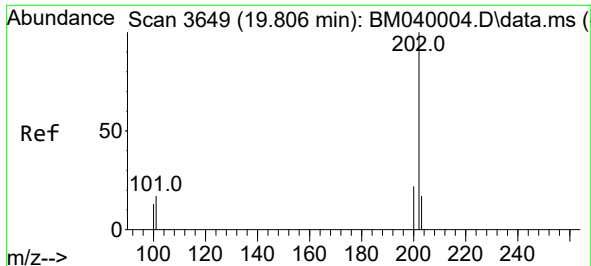
Ion Ratio Lower Upper

202 100

101 13.1 11.5 17.3

100 9.8 8.5 12.7

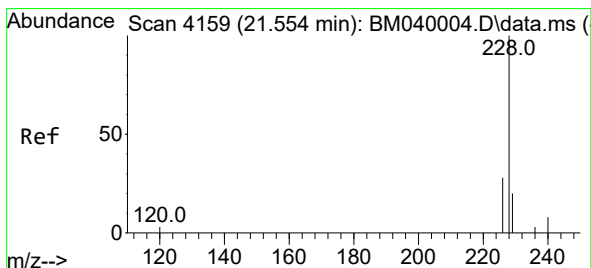
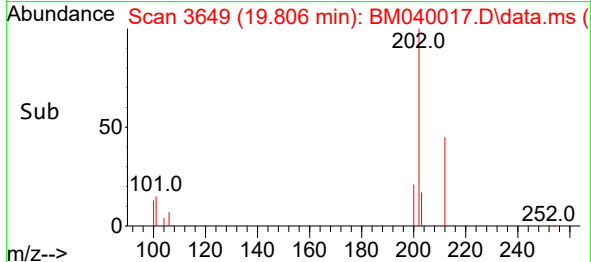
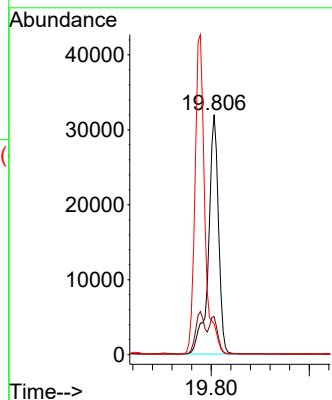
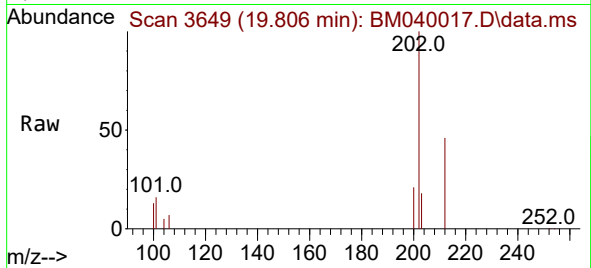




#20  
Pyrene  
Concen: 0.624 ng/ul  
RT: 19.806 min Scan# 3649  
Delta R.T. -0.001 min  
Lab File: BM040017.D  
Acq: 26 May 2023 00:19

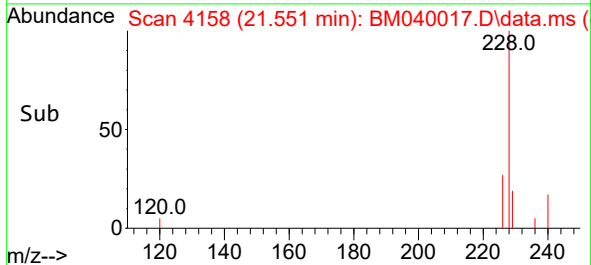
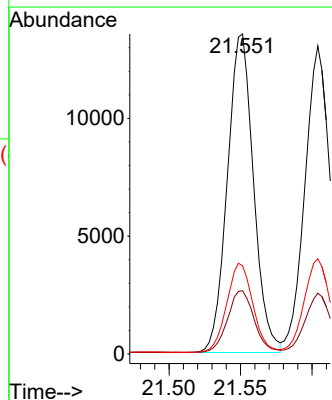
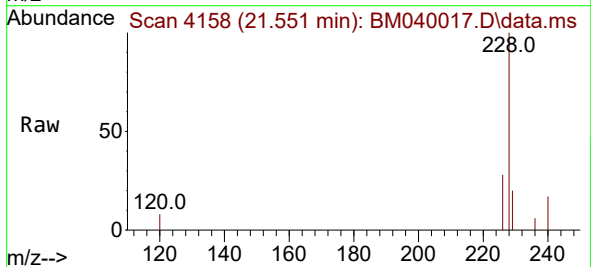
Instrument :  
BNA\_M  
ClientSampleId :  
H0FM2

Tgt Ion:202 Resp: 45343  
Ion Ratio Lower Upper  
202 100  
101 15.9 13.3 19.9  
100 12.9 10.9 16.3

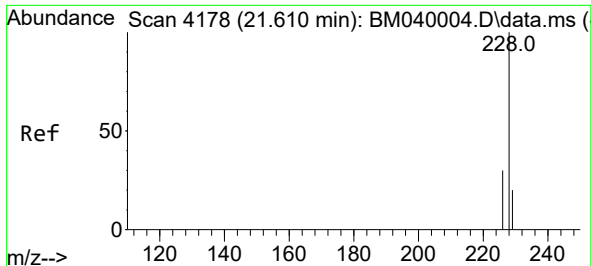


#21  
Benzo(a)anthracene  
Concen: 0.321 ng/ul  
RT: 21.551 min Scan# 4158  
Delta R.T. -0.004 min  
Lab File: BM040017.D  
Acq: 26 May 2023 00:19

Tgt Ion:228 Resp: 17226  
Ion Ratio Lower Upper  
228 100  
229 19.8 15.6 23.4  
226 27.5 22.5 33.7







#22

Chrysene

Concen: 0.285 ng/ul

RT: 21.604 min Scan# 4178

Delta R.T. -0.007 min

Lab File: BM040017.D

Acq: 26 May 2023 00:19

Instrument :

BNA\_M

ClientSampleId :

H0FM2

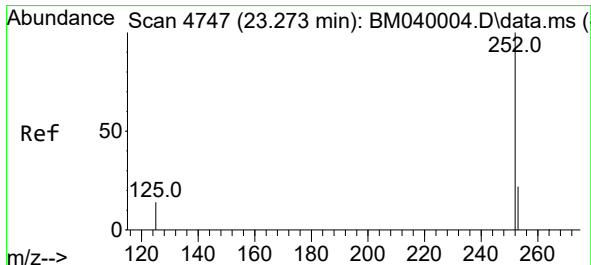
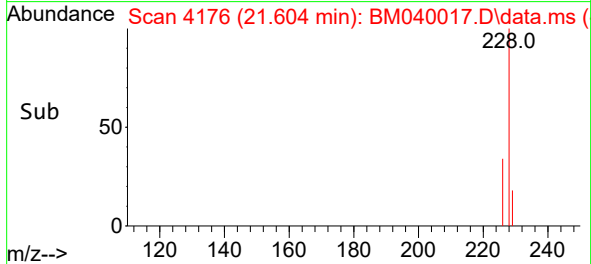
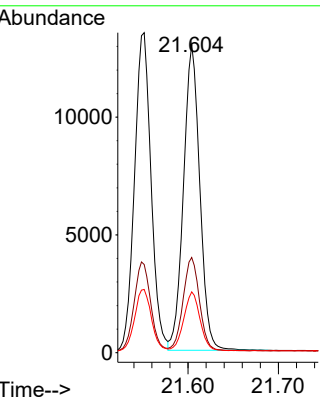
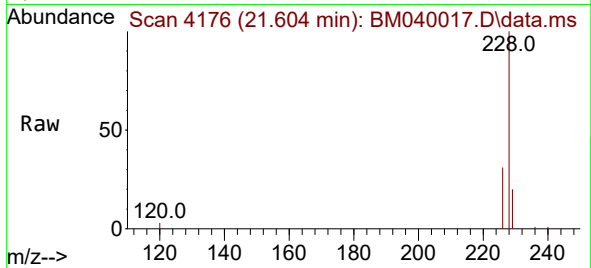
Tgt Ion:228 Resp: 16249

Ion Ratio Lower Upper

228 100

226 30.9 24.6 36.8

229 19.7 15.6 23.4



#24

Benzo(b)fluoranthene

Concen: 0.272 ng/ul

RT: 23.264 min Scan# 4744

Delta R.T. -0.010 min

Lab File: BM040017.D

Acq: 26 May 2023 00:19

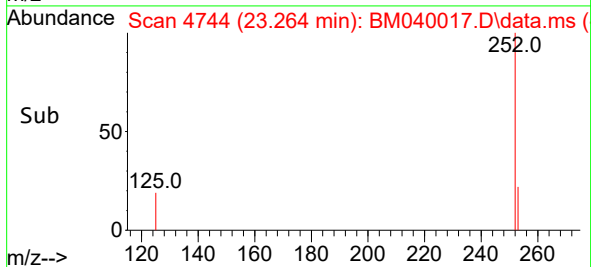
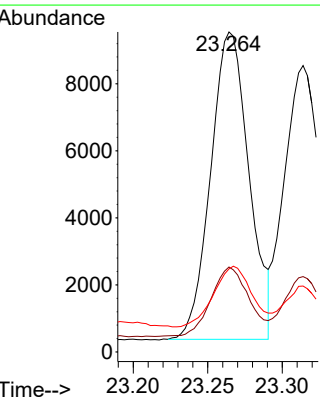
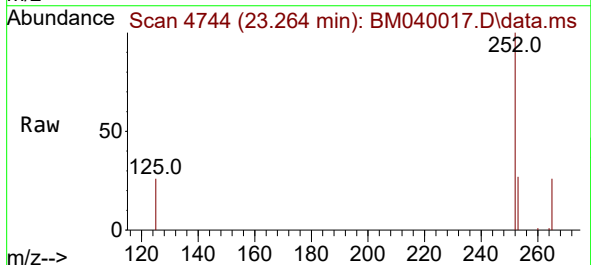
Tgt Ion:252 Resp: 16422

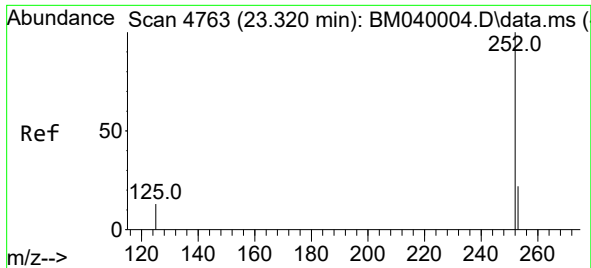
Ion Ratio Lower Upper

252 100

253 26.6 0.0 49.8

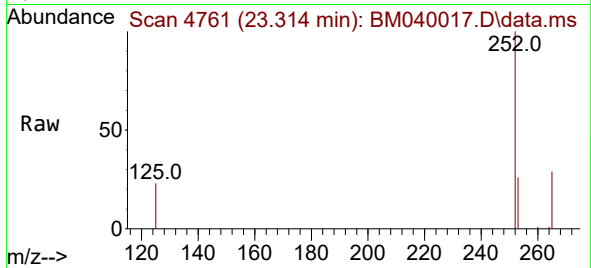
125 26.0 0.0 39.2



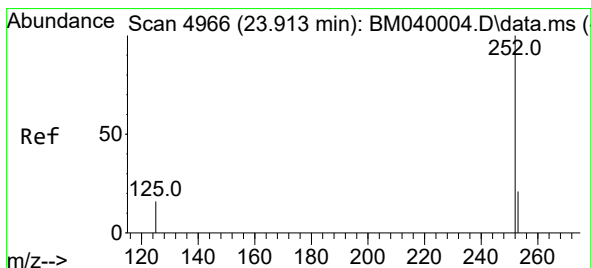
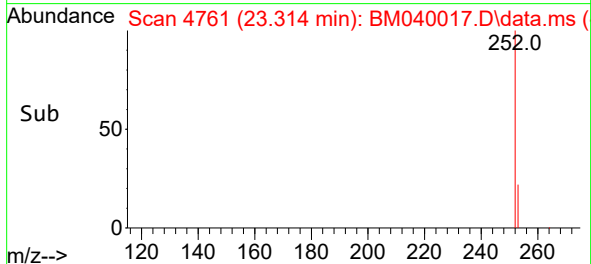
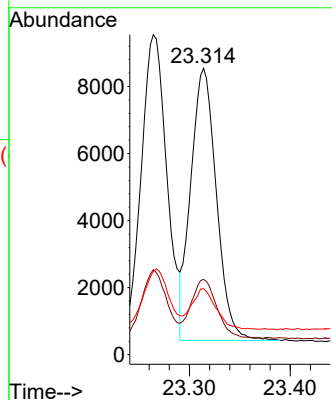


#25  
Benzo(k)fluoranthene  
Concen: 0.236 ng/ul  
RT: 23.314 min Scan# 4761  
Delta R.T. -0.010 min  
Lab File: BM040017.D  
Acq: 26 May 2023 00:19

Instrument :  
BNA\_M  
ClientSampleId :  
H0FM2

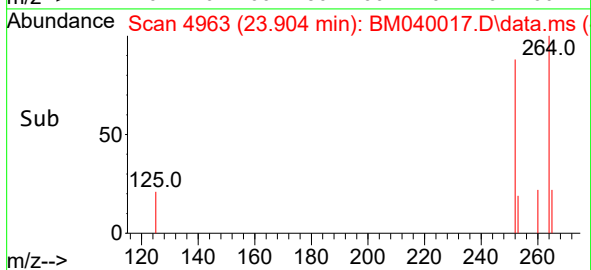
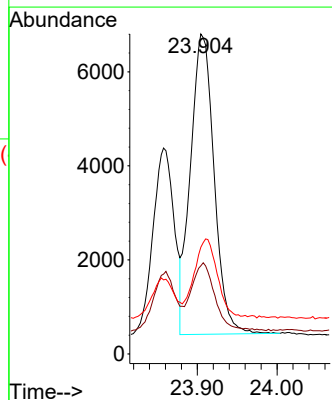
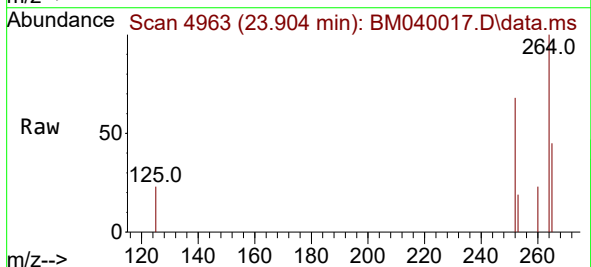


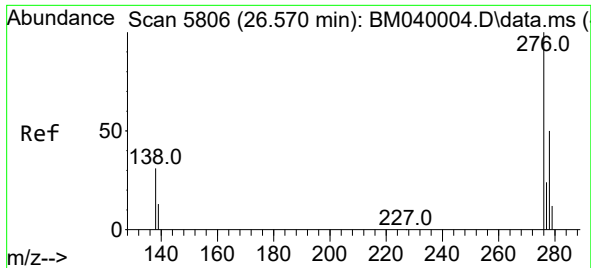
Tgt Ion:252 Resp: 14361  
Ion Ratio Lower Upper  
252 100  
253 26.3 19.7 29.5  
125 23.0 15.0 22.4#



#26  
Benzo(a)pyrene  
Concen: 0.260 ng/ul  
RT: 23.904 min Scan# 4963  
Delta R.T. -0.010 min  
Lab File: BM040017.D  
Acq: 26 May 2023 00:19

Tgt Ion:252 Resp: 13148  
Ion Ratio Lower Upper  
252 100  
253 27.6 20.6 31.0  
125 33.4 19.1 28.7#

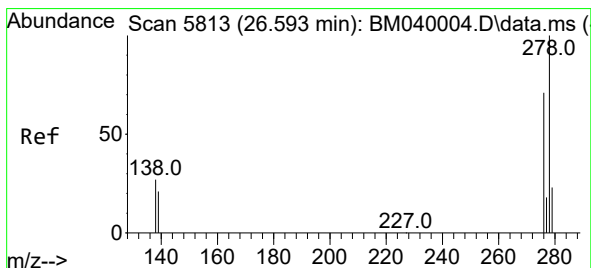
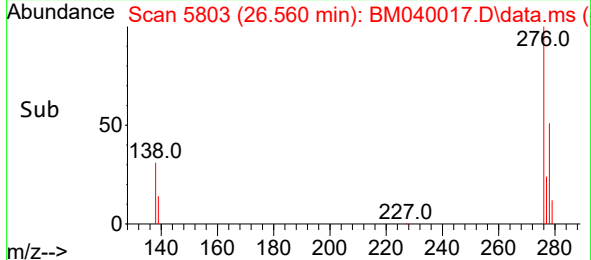
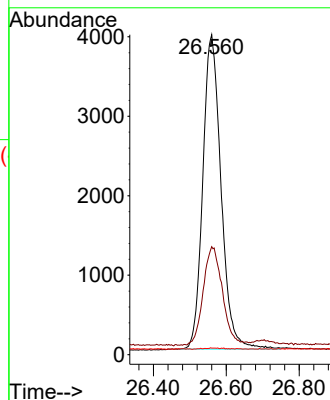
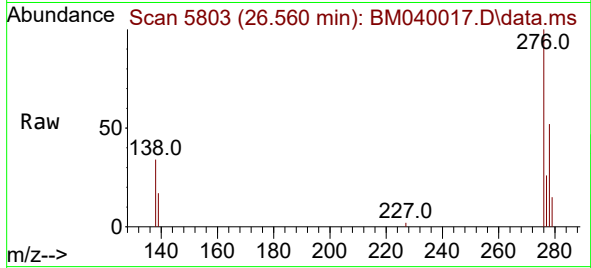




#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.189 ng/ul  
 RT: 26.560 min Scan# 5803  
 Delta R.T. -0.011 min  
 Lab File: BM040017.D  
 Acq: 26 May 2023 00:19

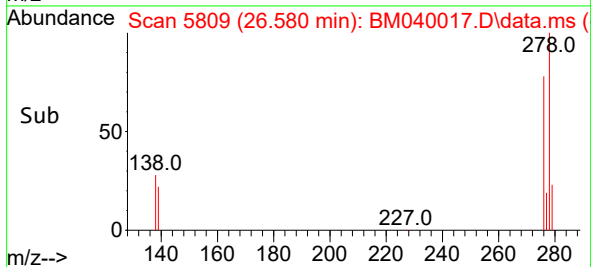
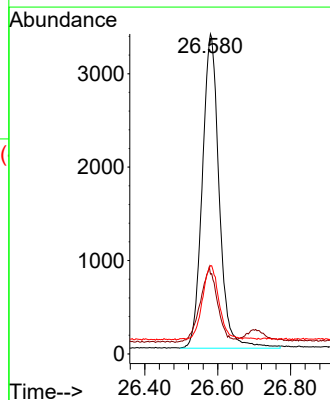
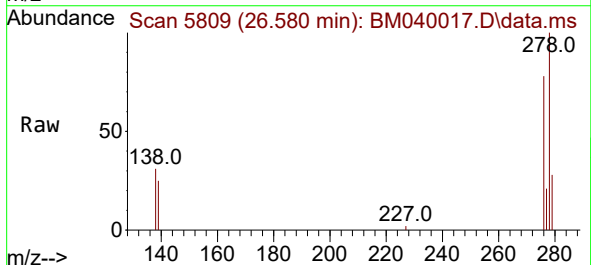
Instrument :  
 BNA\_M  
 ClientSampleId :  
 H0FM2

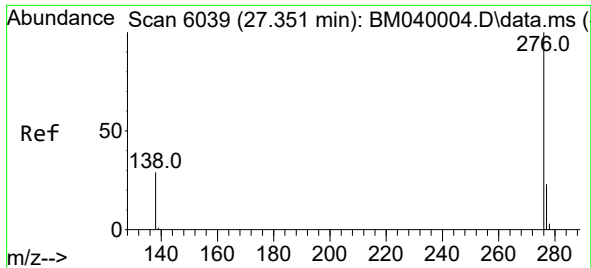
Tgt Ion:276 Resp: 13734  
 Ion Ratio Lower Upper  
 276 100  
 138 33.3 26.9 40.3  
 227 0.2 0.1 0.1#



#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.184 ng/ul  
 RT: 26.580 min Scan# 5809  
 Delta R.T. -0.015 min  
 Lab File: BM040017.D  
 Acq: 26 May 2023 00:19

Tgt Ion:278 Resp: 10803  
 Ion Ratio Lower Upper  
 278 100  
 139 24.9 19.0 28.4  
 279 27.6 20.6 31.0





#29

Benzo(g,h,i)perylene

Concen: 0.185 ng/ul

RT: 27.341 min Scan# 6036

Delta R.T. -0.015 min

Lab File: BM040017.D

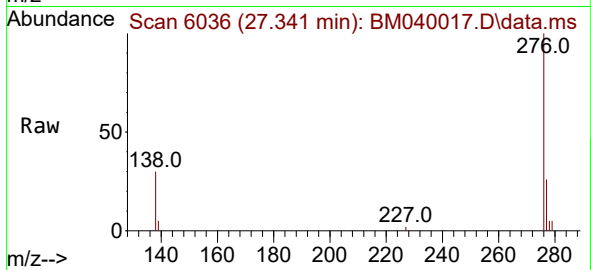
Acq: 26 May 2023 00:19

Instrument :

BNA\_M

ClientSampleId :

H0FM2



Tgt Ion:276 Resp: 11012

Ion Ratio Lower Upper

276 100

138 30.1 23.9 35.9

277 25.7 19.5 29.3

