

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122222\  
 Data File : BM038191.D  
 Acq On : 22 Dec 2022 10:35  
 Operator : CG/JU  
 Sample : SST0.211  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Dec 22 23:18:59 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM122222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 22 23:18:00 2022  
 Response via : Initial Calibration

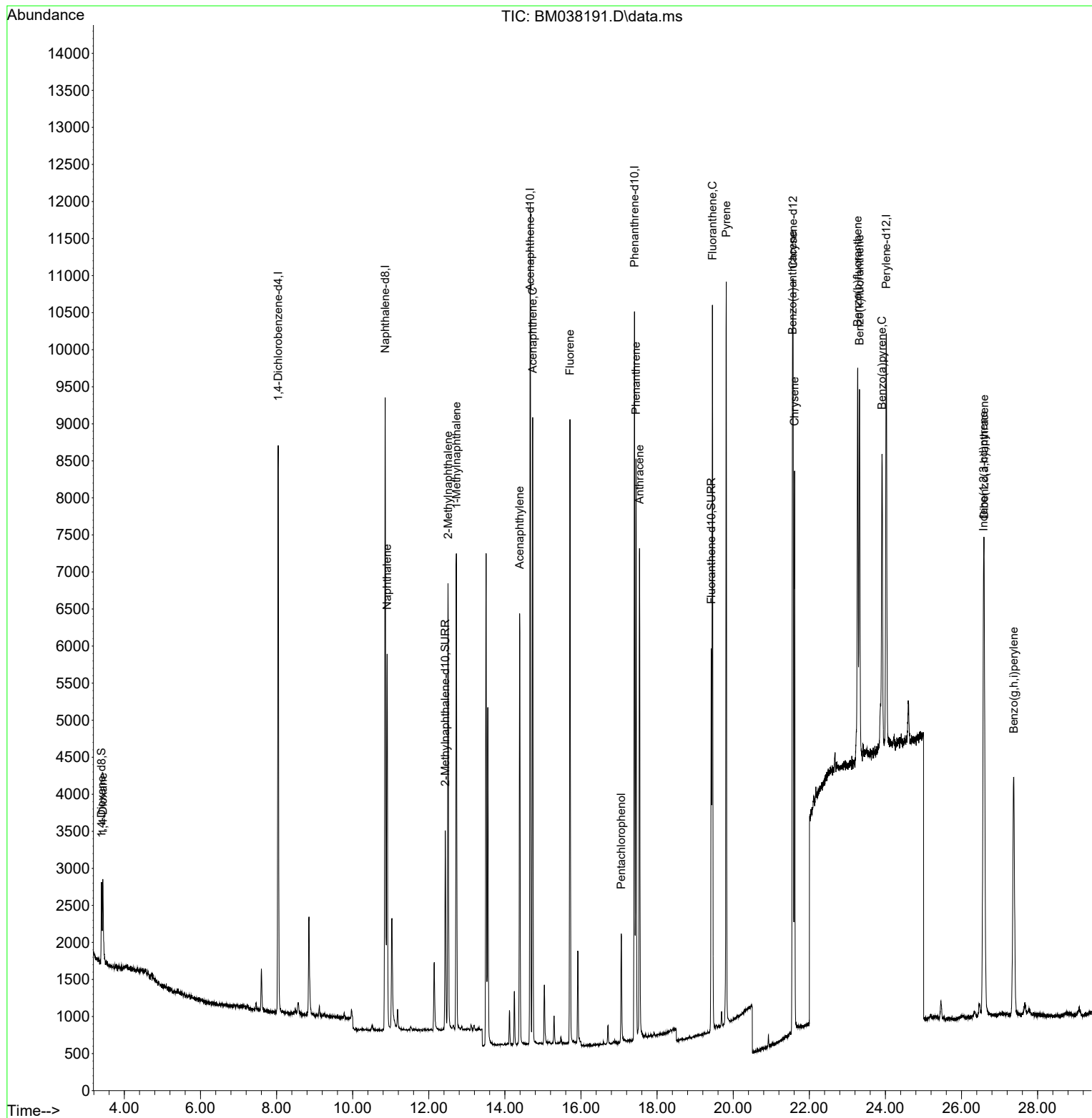
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.043  | 152  | 4000     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.856 | 136  | 11582    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.666 | 164  | 5980     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.405 | 188  | 11516    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.574 | 240  | 7676     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.020 | 264  | 7830     | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.402  | 96   | 824      | 0.151 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.434 | 152  | 3439     | 0.203 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.422 | 212  | 5701     | 0.205 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.435  | 88   | 836      | 0.170 | ng/ul# | 81       |
| 5) Naphthalene              | 10.906 | 128  | 6882     | 0.196 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.506 | 142  | 4245     | 0.197 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.726 | 142  | 4352     | 0.197 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.389 | 152  | 6632     | 0.212 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.731 | 153  | 4775     | 0.201 | ng/ul  | 99       |
| 12) Fluorene                | 15.712 | 166  | 5130     | 0.195 | ng/ul  | 98       |
| 14) Pentachlorophenol       | 17.058 | 266  | 1060     | 0.222 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.447 | 178  | 7776     | 0.201 | ng/ul  | 99       |
| 16) Anthracene              | 17.540 | 178  | 7373     | 0.206 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.455 | 202  | 8243     | 0.208 | ng/ul  | 98       |
| 20) Pyrene                  | 19.817 | 202  | 8401     | 0.208 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.556 | 228  | 6773     | 0.204 | ng/ul  | 98       |
| 22) Chrysene                | 21.612 | 228  | 6541     | 0.196 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.269 | 252  | 7019     | 0.189 | ng/ul  | 87       |
| 25) Benzo(k)fluoranthene    | 23.319 | 252  | 6723     | 0.188 | ng/ul# | 85       |
| 26) Benzo(a)pyrene          | 23.909 | 252  | 6082     | 0.194 | ng/ul# | 84       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.579 | 276  | 8497     | 0.216 | ng/ul# | 100      |
| 28) Dibenzo(a,h)anthracene  | 26.595 | 278  | 6580     | 0.215 | ng/ul# | 90       |
| 29) Benzo(g,h,i)perylene    | 27.374 | 276  | 7163     | 0.215 | ng/ul  | 97       |

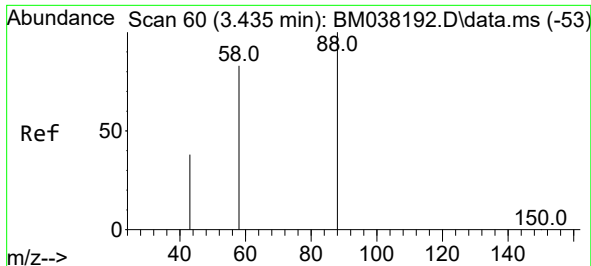
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122222\  
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Sample : SST0.211  
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Instrument :  
BNA\_M  
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Quant Time: Dec 22 23:18:59 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM122222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 22 23:18:00 2022  
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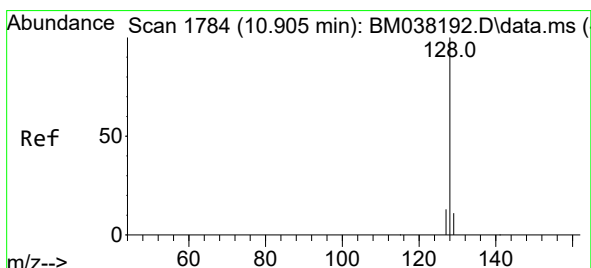
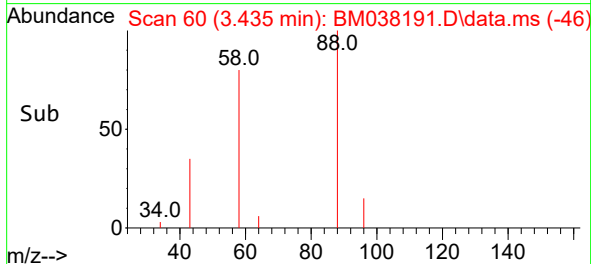
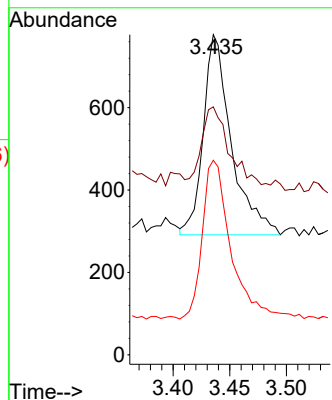
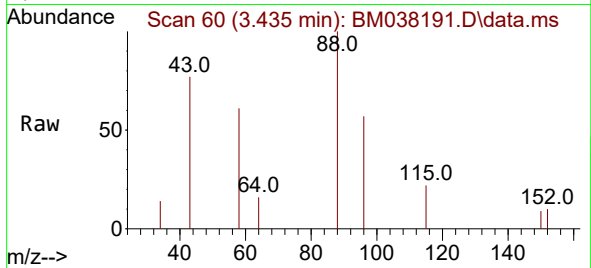




#2  
1,4-Dioxane  
Concen: 0.170 ng/ul  
RT: 3.435 min Scan# 60  
Delta R.T. 0.000 min  
Lab File: BM038191.D  
Acq: 22 Dec 2022 10:35

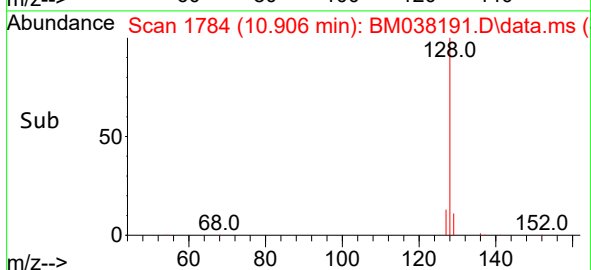
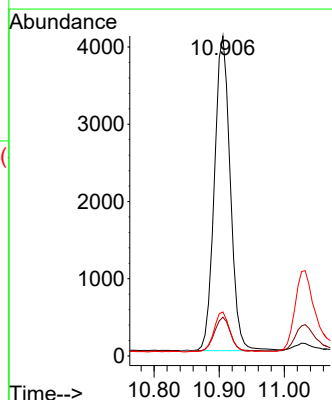
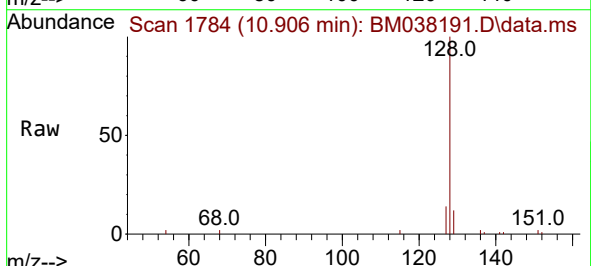
Instrument :  
BNA\_M  
ClientSampleId :

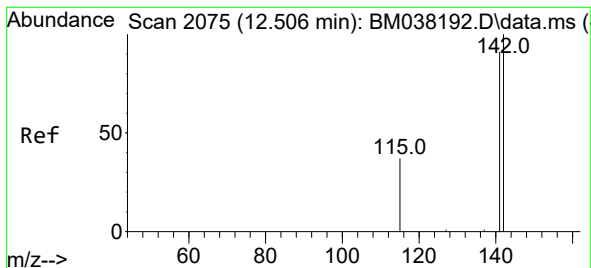
Tgt Ion: 88 Resp: 836  
Ion Ratio Lower Upper  
88 100  
43 77.5 46.4 69.6#  
58 60.7 56.9 85.3



#5  
Naphthalene  
Concen: 0.196 ng/ul  
RT: 10.906 min Scan# 1784  
Delta R.T. 0.000 min  
Lab File: BM038191.D  
Acq: 22 Dec 2022 10:35

Tgt Ion: 128 Resp: 6882  
Ion Ratio Lower Upper  
128 100  
129 12.1 9.4 14.0  
127 13.8 10.7 16.1

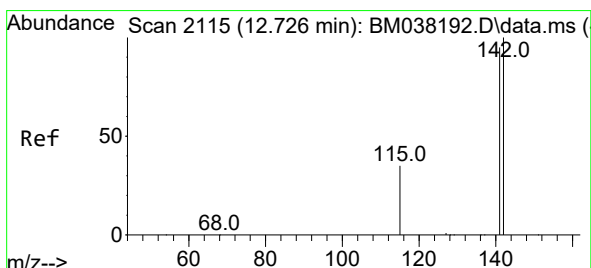
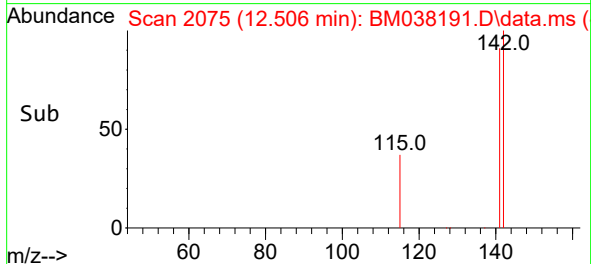
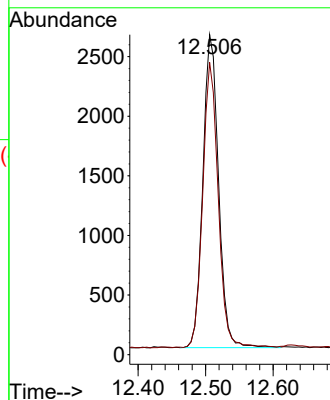
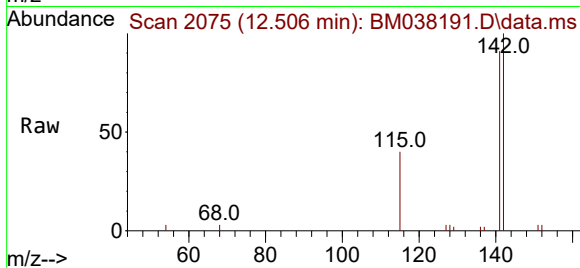




#7  
2-Methylnaphthalene  
Concen: 0.197 ng/ul  
RT: 12.506 min Scan# 2075  
Delta R.T. 0.000 min  
Lab File: BM038191.D  
Acq: 22 Dec 2022 10:35

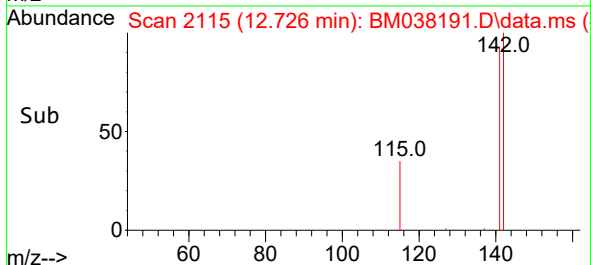
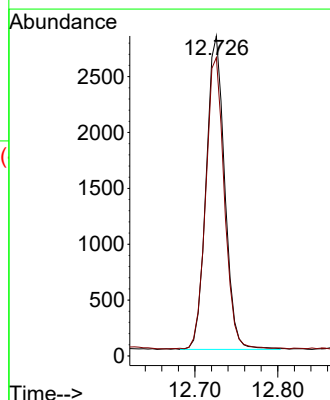
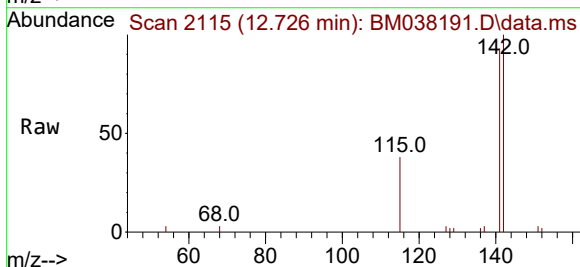
Instrument :  
BNA\_M  
ClientSampleId :

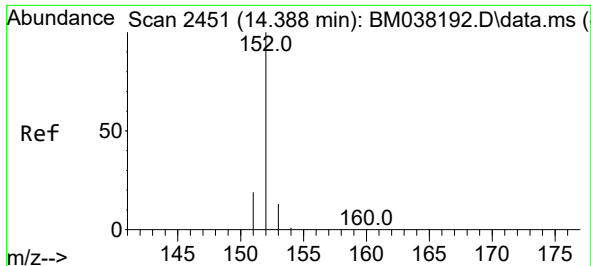
Tgt Ion:142 Resp: 4245  
Ion Ratio Lower Upper  
142 100  
141 89.9 71.9 107.9



#8  
1-Methylnaphthalene  
Concen: 0.197 ng/ul  
RT: 12.726 min Scan# 2115  
Delta R.T. 0.000 min  
Lab File: BM038191.D  
Acq: 22 Dec 2022 10:35

Tgt Ion:142 Resp: 4352  
Ion Ratio Lower Upper  
142 100  
141 93.3 74.7 112.1

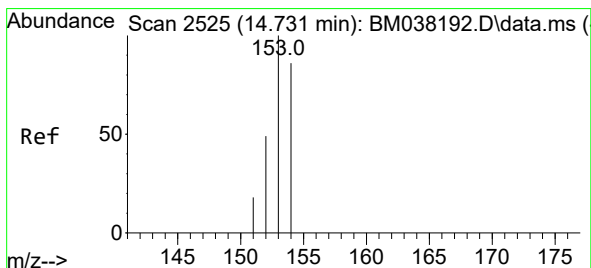
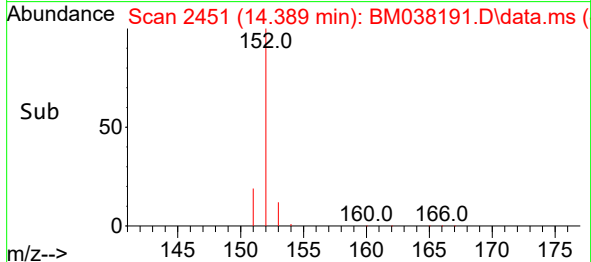
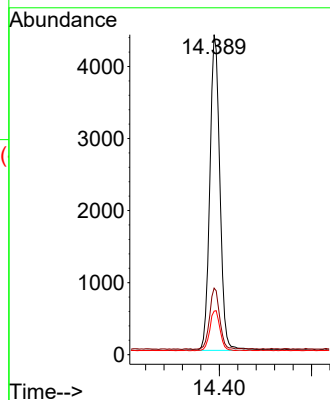
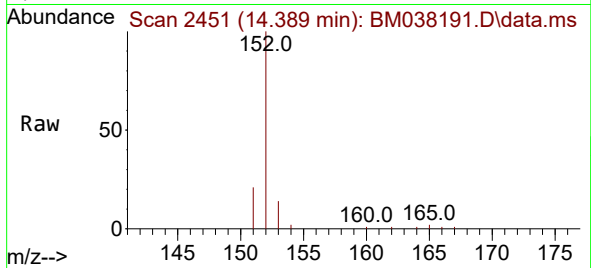




#10  
Acenaphthylene  
Concen: 0.212 ng/ul  
RT: 14.389 min Scan# 2451  
Delta R.T. 0.000 min  
Lab File: BM038191.D  
Acq: 22 Dec 2022 10:35

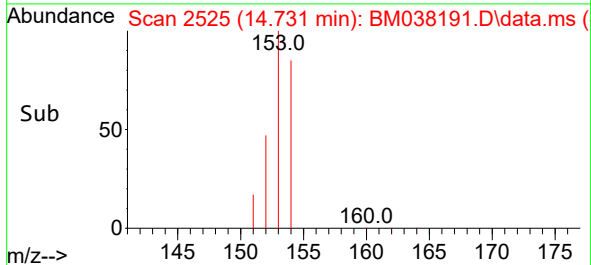
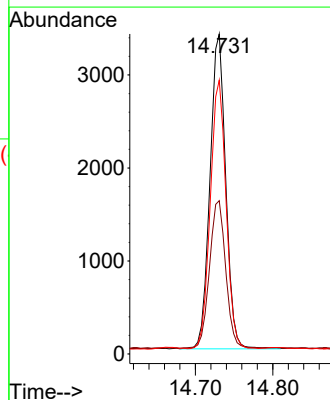
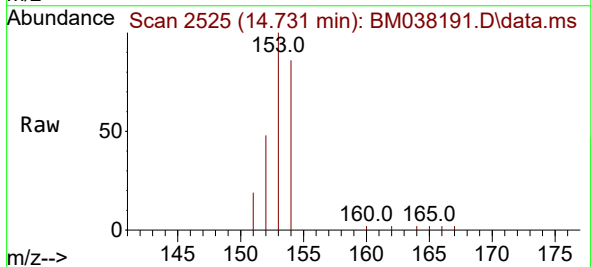
Instrument :  
BNA\_M  
ClientSampleId :

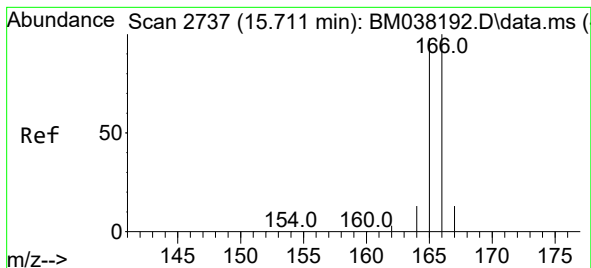
Tgt Ion:152 Resp: 6632  
Ion Ratio Lower Upper  
152 100  
151 20.8 16.2 24.2  
153 13.6 10.7 16.1



#11  
Acenaphthene  
Concen: 0.201 ng/ul  
RT: 14.731 min Scan# 2525  
Delta R.T. 0.000 min  
Lab File: BM038191.D  
Acq: 22 Dec 2022 10:35

Tgt Ion:153 Resp: 4775  
Ion Ratio Lower Upper  
153 100  
152 47.9 39.4 59.0  
154 85.6 69.0 103.4





#12

Fluorene

Concen: 0.195 ng/ul

RT: 15.712 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM038191.D

Acq: 22 Dec 2022 10:35

Instrument :

BNA\_M

ClientSampleId :

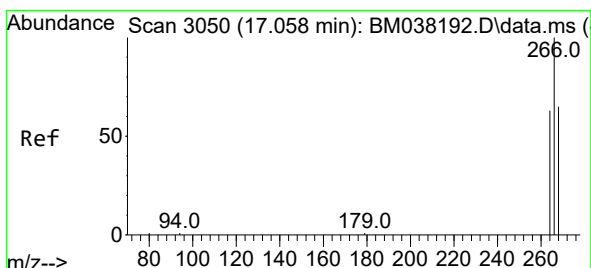
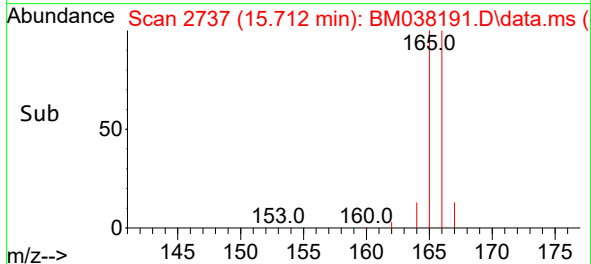
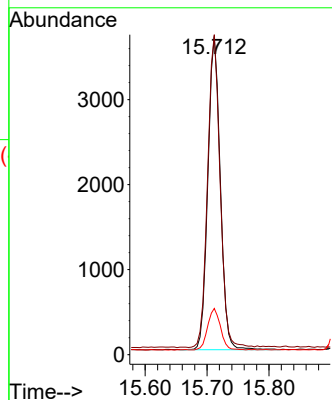
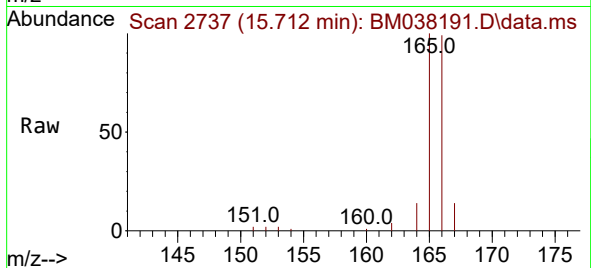
Tgt Ion:166 Resp: 5130

Ion Ratio Lower Upper

166 100

165 100.6 79.0 118.6

167 14.5 11.0 16.6



#14

Pentachlorophenol

Concen: 0.222 ng/ul

RT: 17.058 min Scan# 3050

Delta R.T. 0.000 min

Lab File: BM038191.D

Acq: 22 Dec 2022 10:35

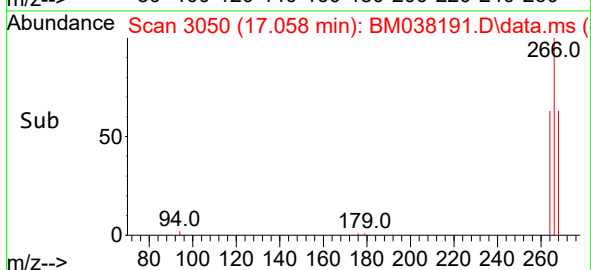
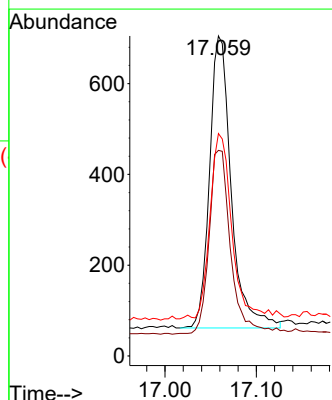
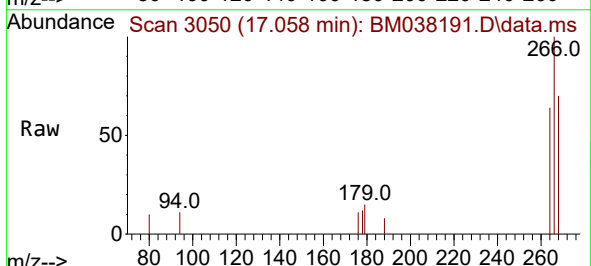
Tgt Ion:266 Resp: 1060

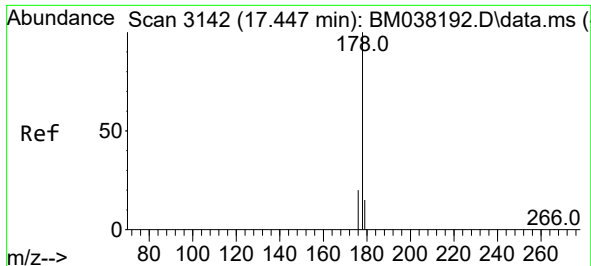
Ion Ratio Lower Upper

266 100

264 63.3 49.9 74.9

268 64.6 51.2 76.8

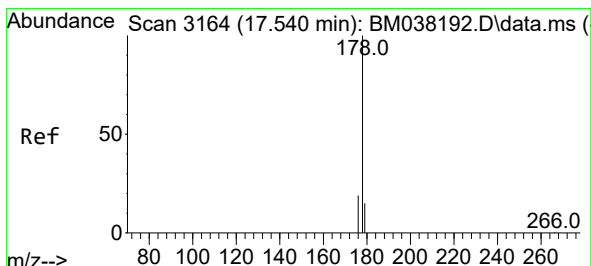
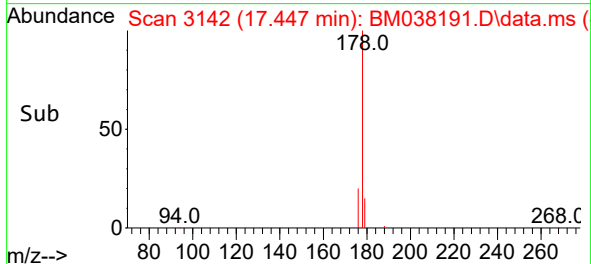
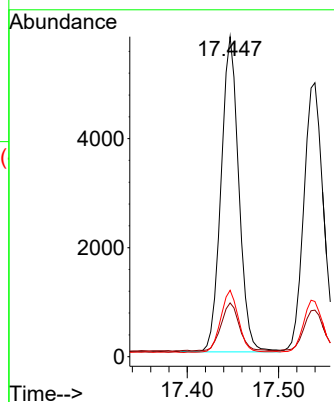
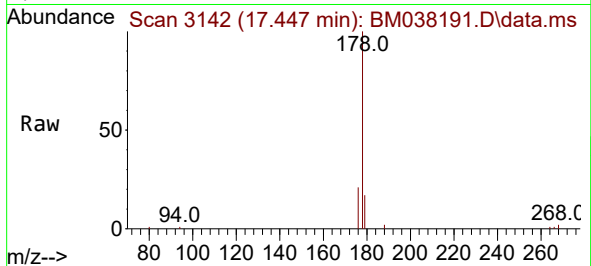




#15  
Phenanthrene  
Concen: 0.201 ng/ul  
RT: 17.447 min Scan# 3142  
Delta R.T. 0.000 min  
Lab File: BM038191.D  
Acq: 22 Dec 2022 10:35

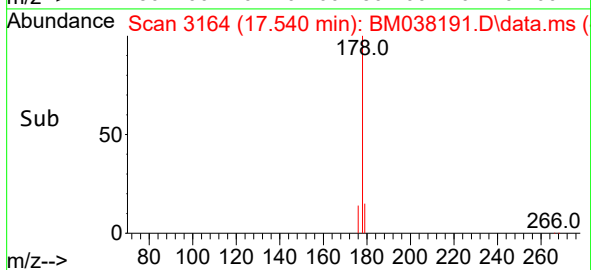
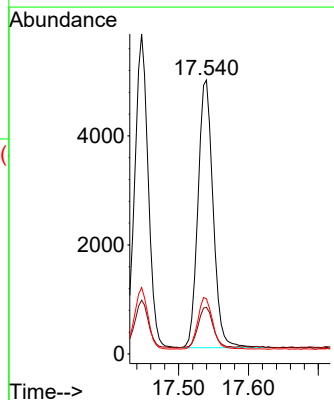
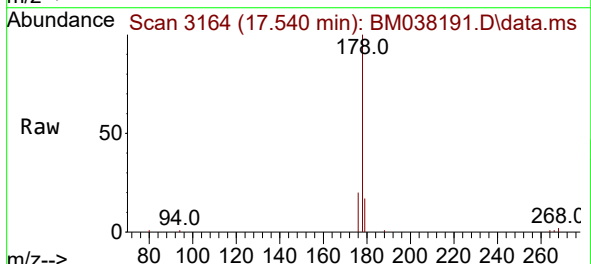
Instrument :  
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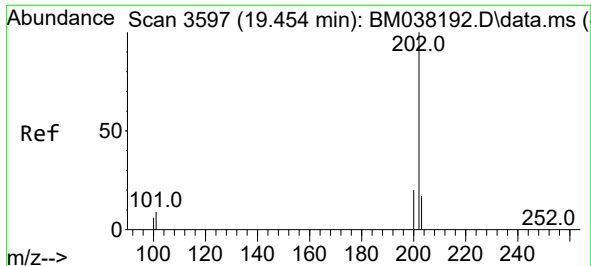
Tgt Ion:178 Resp: 7776  
Ion Ratio Lower Upper  
178 100  
179 16.8 13.0 19.4  
176 20.7 16.2 24.4



#16  
Anthracene  
Concen: 0.206 ng/ul  
RT: 17.540 min Scan# 3164  
Delta R.T. 0.000 min  
Lab File: BM038191.D  
Acq: 22 Dec 2022 10:35

Tgt Ion:178 Resp: 7373  
Ion Ratio Lower Upper  
178 100  
179 17.0 13.0 19.6  
176 20.1 15.6 23.4

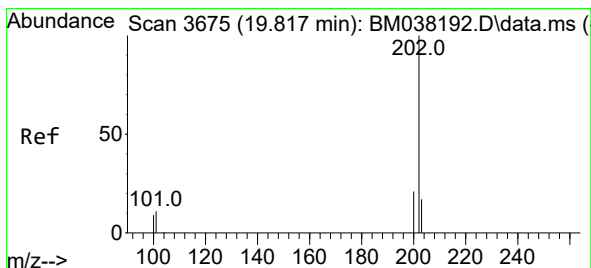
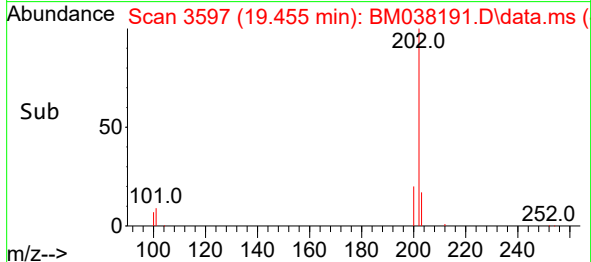
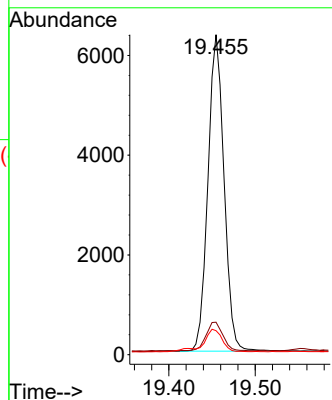
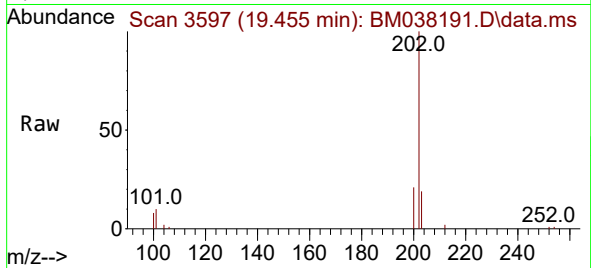




#19  
Fluoranthene  
Concen: 0.208 ng/ul  
RT: 19.455 min Scan# 3597  
Delta R.T. 0.000 min  
Lab File: BM038191.D  
Acq: 22 Dec 2022 10:35

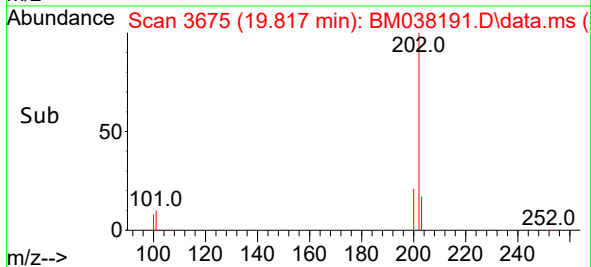
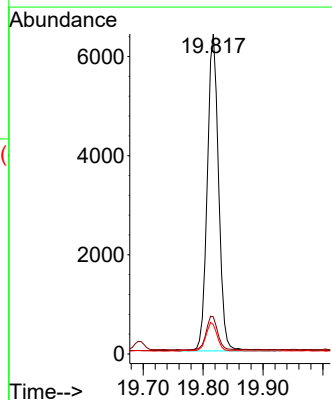
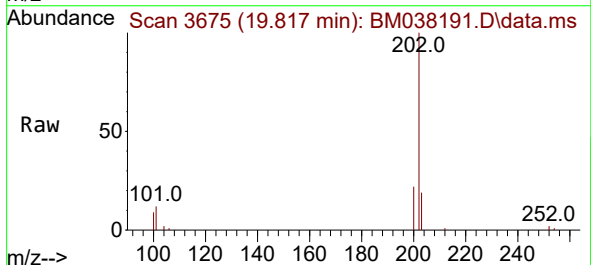
Instrument :  
BNA\_M  
ClientSampleId :

Tgt Ion:202 Resp: 8243  
Ion Ratio Lower Upper  
202 100  
101 10.2 7.5 11.3  
100 7.5 5.6 8.4

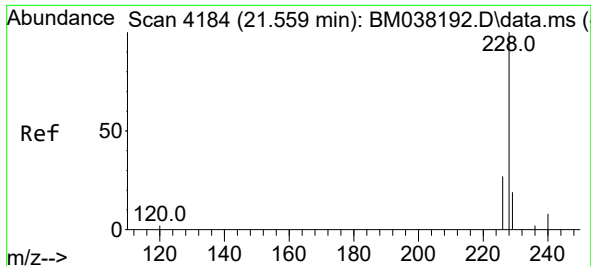


#20  
Pyrene  
Concen: 0.208 ng/ul  
RT: 19.817 min Scan# 3675  
Delta R.T. 0.000 min  
Lab File: BM038191.D  
Acq: 22 Dec 2022 10:35

Tgt Ion:202 Resp: 8401  
Ion Ratio Lower Upper  
202 100  
101 11.6 8.9 13.3  
100 9.2 7.4 11.0

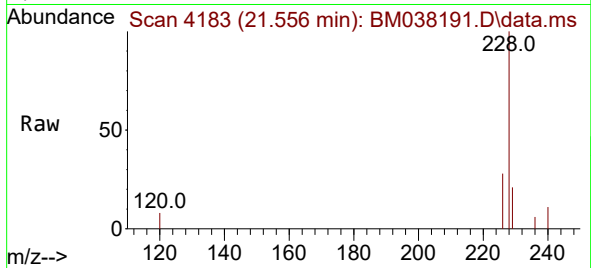




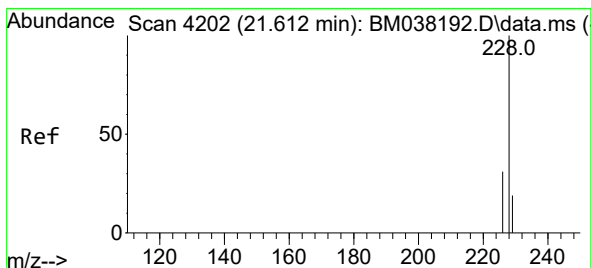
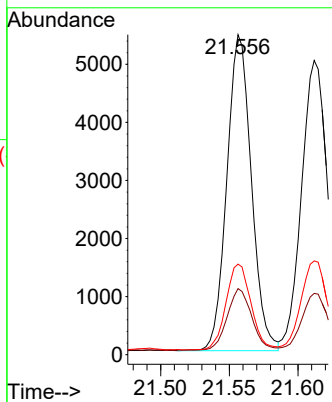
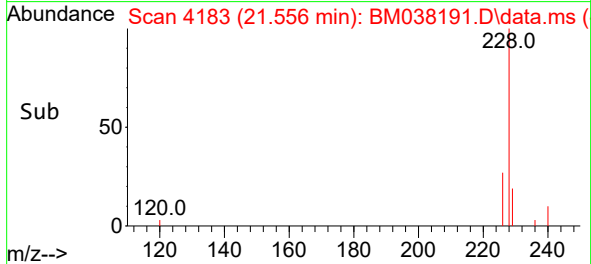


#21  
Benzo(a)anthracene  
Concen: 0.204 ng/ul  
RT: 21.556 min Scan# 4183  
Delta R.T. -0.003 min  
Lab File: BM038191.D  
Acq: 22 Dec 2022 10:35

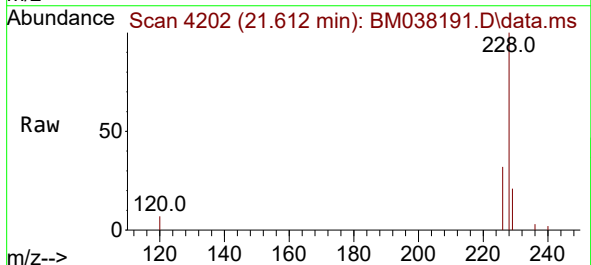
Instrument :  
BNA\_M  
ClientSampleId :



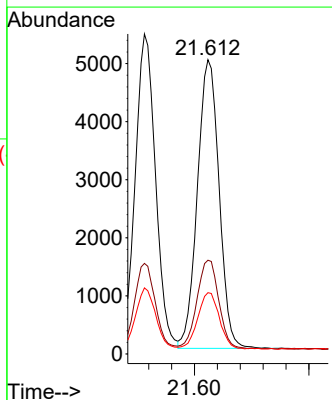
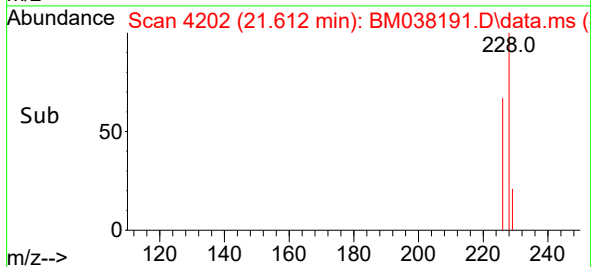
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Ion Ratio Lower Upper  
228 100  
229 20.6 15.5 23.3  
226 28.3 22.2 33.2

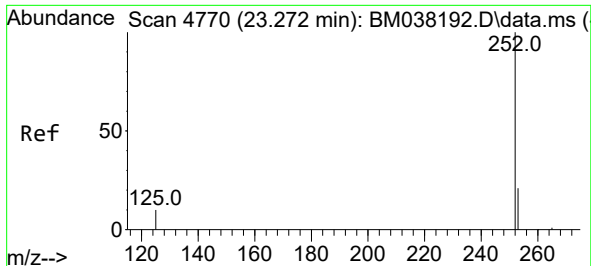


#22  
Chrysene  
Concen: 0.196 ng/ul  
RT: 21.612 min Scan# 4202  
Delta R.T. 0.000 min  
Lab File: BM038191.D  
Acq: 22 Dec 2022 10:35



Tgt Ion:228 Resp: 6541  
Ion Ratio Lower Upper  
228 100  
226 31.8 25.0 37.4  
229 20.8 16.0 24.0

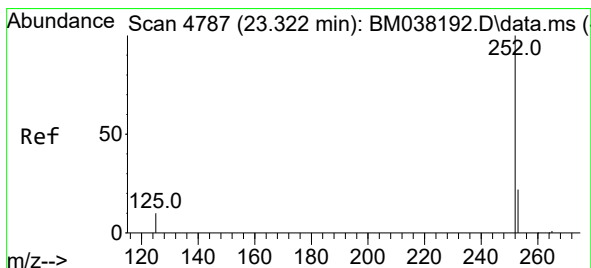
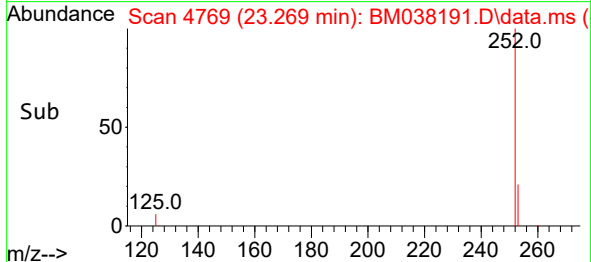
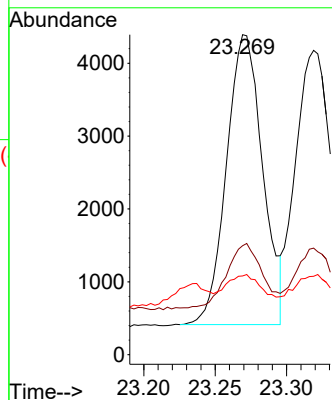
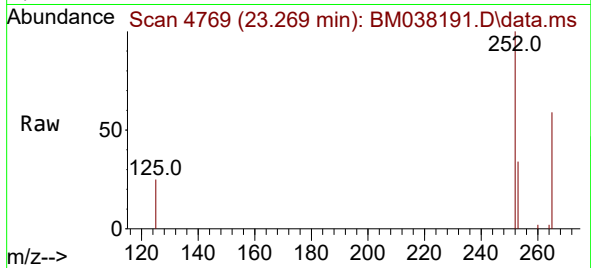




#24  
Benzo(b)fluoranthene  
Concen: 0.189 ng/ul  
RT: 23.269 min Scan# 4769  
Delta R.T. -0.003 min  
Lab File: BM038191.D  
Acq: 22 Dec 2022 10:35

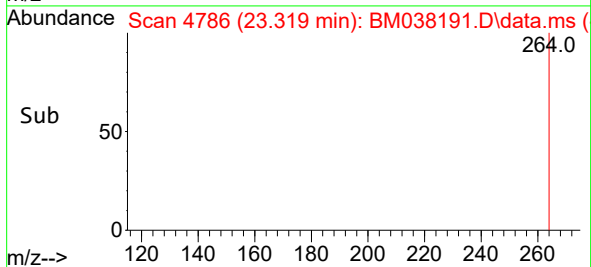
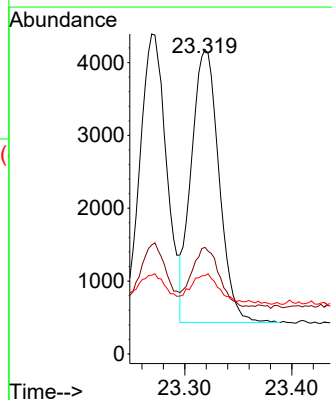
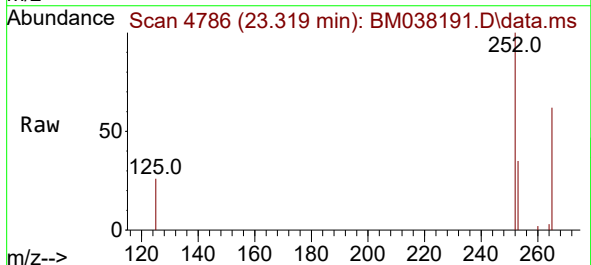
Instrument :  
BNA\_M  
ClientSampleId :

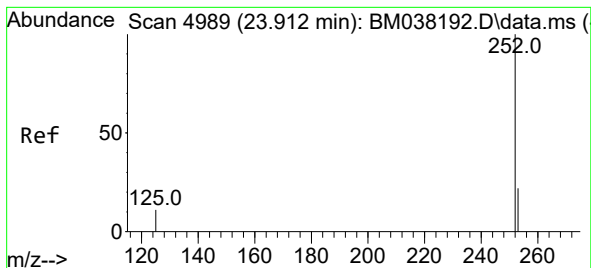
Tgt Ion:252 Resp: 7019  
Ion Ratio Lower Upper  
252 100  
253 34.1 0.0 56.0  
125 24.6 0.0 36.6



#25  
Benzo(k)fluoranthene  
Concen: 0.188 ng/ul  
RT: 23.319 min Scan# 4786  
Delta R.T. -0.003 min  
Lab File: BM038191.D  
Acq: 22 Dec 2022 10:35

Tgt Ion:252 Resp: 6723  
Ion Ratio Lower Upper  
252 100  
253 35.0 22.5 33.7#  
125 25.7 14.4 21.6#





#26

Benzo(a)pyrene

Concen: 0.194 ng/ul

RT: 23.909 min Scan# 4989

Delta R.T. -0.003 min

Lab File: BM038191.D

Acq: 22 Dec 2022 10:35

Instrument :

BNA\_M

ClientSampleId :

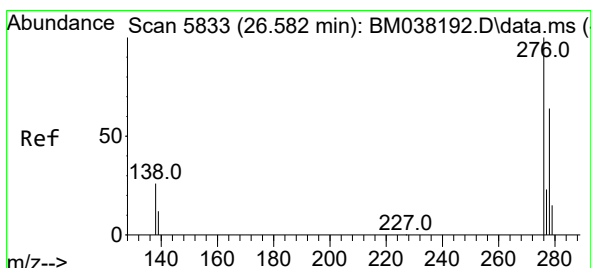
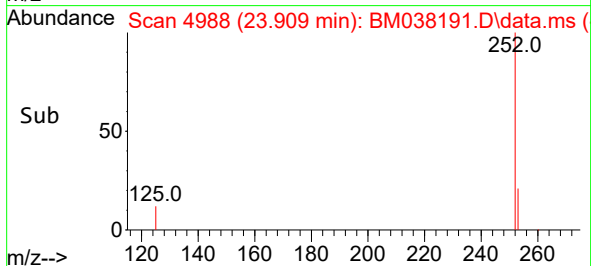
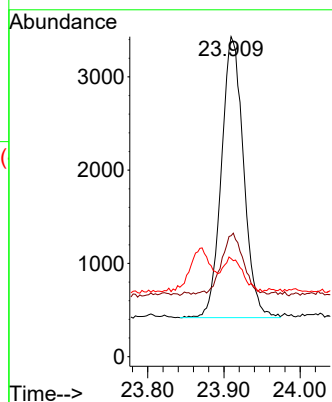
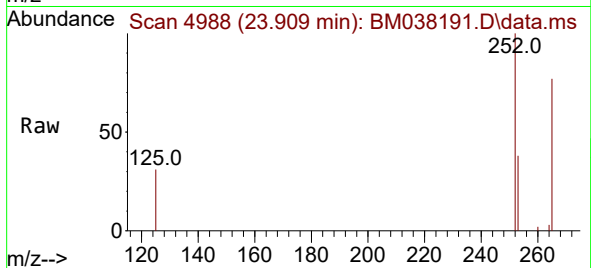
Tgt Ion:252 Resp: 6082

Ion Ratio Lower Upper

252 100

253 37.8 24.2 36.4#

125 30.7 17.3 25.9#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.216 ng/ul

RT: 26.579 min Scan# 5832

Delta R.T. -0.003 min

Lab File: BM038191.D

Acq: 22 Dec 2022 10:35

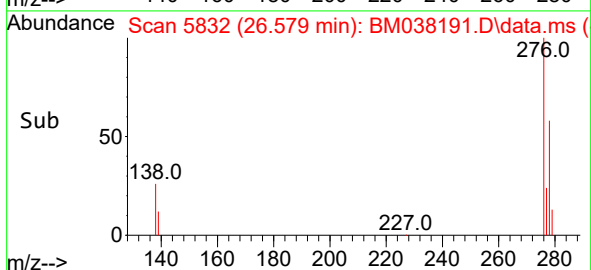
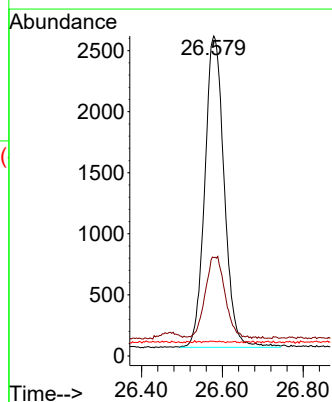
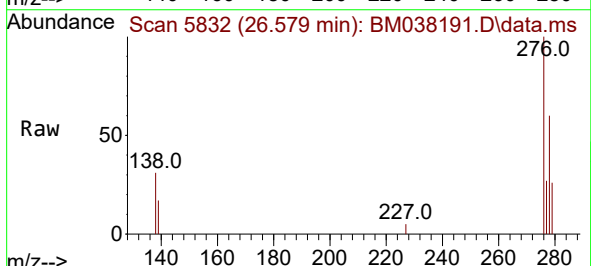
Tgt Ion:276 Resp: 8497

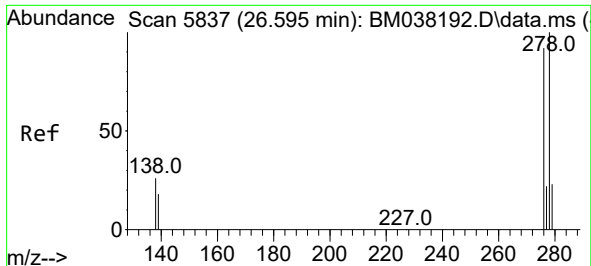
Ion Ratio Lower Upper

276 100

138 27.2 21.7 32.5

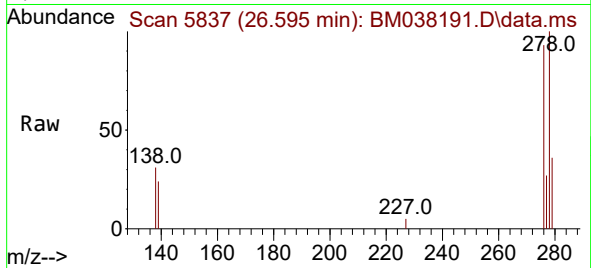
227 0.0 0.0 0.0



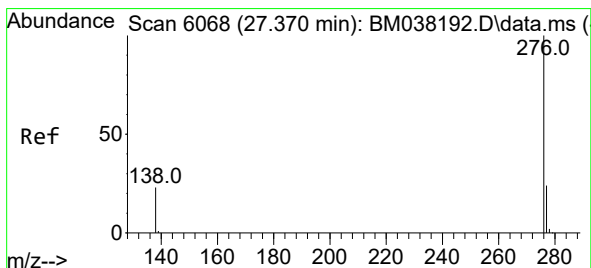
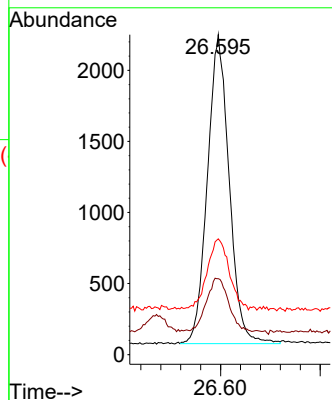
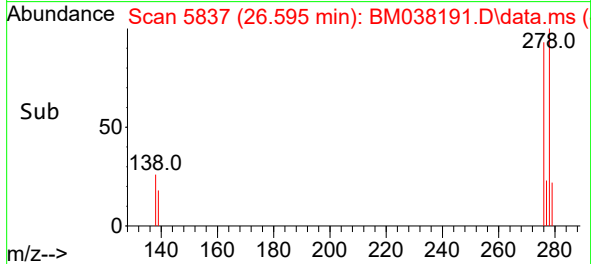


#28  
Dibenzo(a,h)anthracene  
Concen: 0.215 ng/ul  
RT: 26.595 min Scan# 5837  
Delta R.T. 0.000 min  
Lab File: BM038191.D  
Acq: 22 Dec 2022 10:35

Instrument :  
BNA\_M  
ClientSampleId :



Tgt Ion:278 Resp: 6580  
Ion Ratio Lower Upper  
278 100  
139 23.7 16.8 25.2  
279 36.2 23.4 35.2#



#29  
Benzo(g,h,i)perylene  
Concen: 0.215 ng/ul  
RT: 27.374 min Scan# 6069  
Delta R.T. 0.004 min  
Lab File: BM038191.D  
Acq: 22 Dec 2022 10:35

Tgt Ion:276 Resp: 7163  
Ion Ratio Lower Upper  
276 100  
138 28.1 20.8 31.2  
277 26.8 20.5 30.7

