

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM091123\  
 Data File : BM041777.D  
 Acq On : 11 Sep 2023 13:52  
 Operator : MA/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD0.4080

Quant Time: Sep 12 04:20:58 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM090523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 09 23:26:58 2023  
 Response via : Initial Calibration

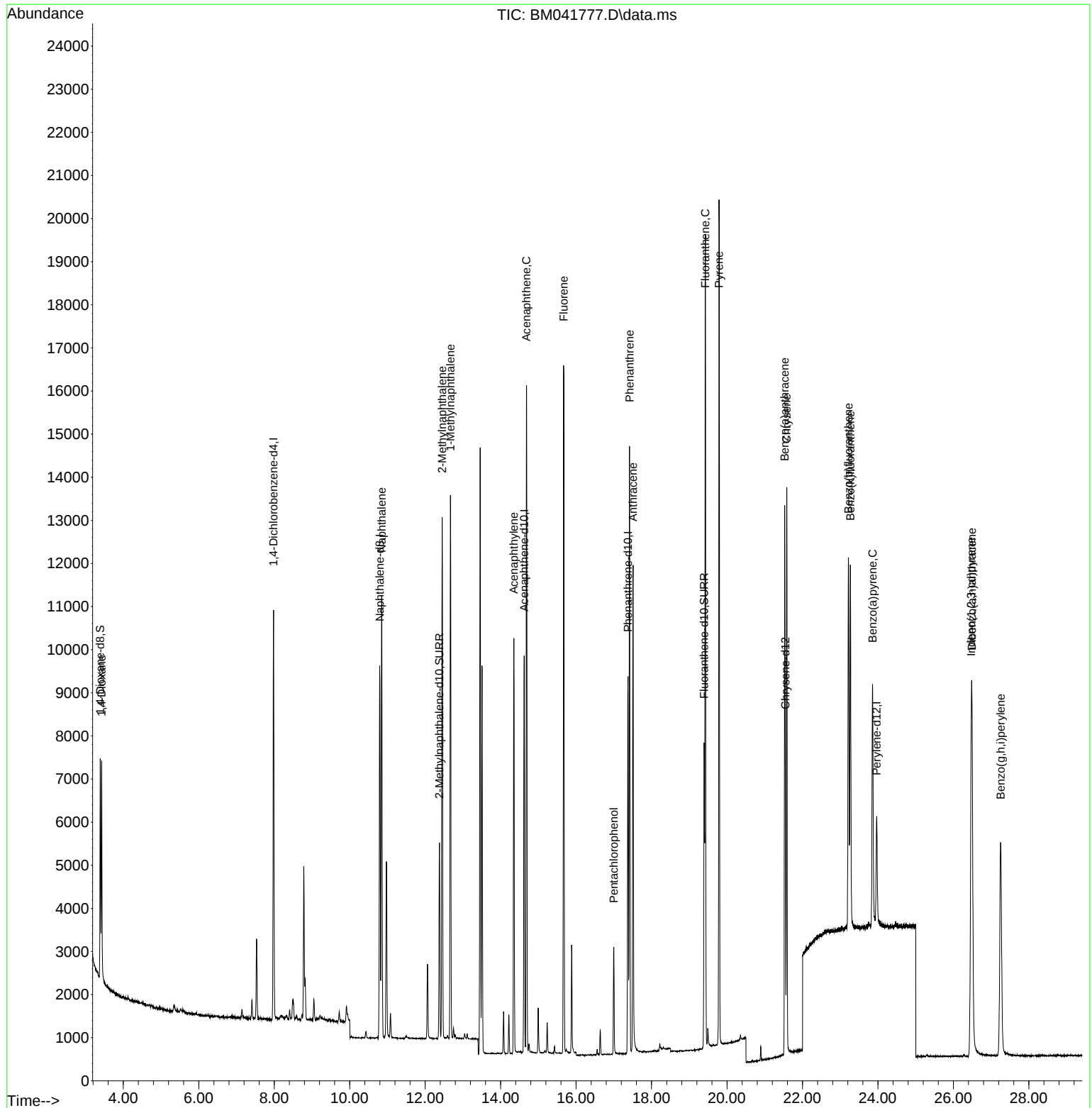
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.983  | 152  | 4729     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.795 | 136  | 10926    | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.624 | 164  | 4564     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.375 | 188  | 8687     | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.545 | 240  | 3317     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.965 | 264  | 3465     | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.389  | 96   | 2716     | 0.376 | ng/ul  | -0.01    |
| 6) 2-Methylnaphthalene-d10  | 12.379 | 152  | 5348     | 0.380 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.394 | 212  | 6112     | 0.380 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.427  | 88   | 2925     | 0.390 | ng/ul# | 91       |
| 5) Naphthalene              | 10.850 | 128  | 14052    | 0.392 | ng/ul  | 100      |
| 7) 2-Methylnaphthalene      | 12.451 | 142  | 8113     | 0.398 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.671 | 142  | 8152     | 0.398 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.351 | 152  | 10667    | 0.378 | ng/ul  | 100      |
| 11) Acenaphthene            | 14.684 | 153  | 8775     | 0.400 | ng/ul  | 98       |
| 12) Fluorene                | 15.670 | 166  | 9650     | 0.392 | ng/ul  | 98       |
| 14) Pentachlorophenol       | 16.999 | 266  | 1618     | 0.465 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.417 | 178  | 14748    | 0.402 | ng/ul  | 99       |
| 16) Anthracene              | 17.510 | 178  | 12546    | 0.399 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.427 | 202  | 15023    | 0.384 | ng/ul  | 99       |
| 20) Pyrene                  | 19.789 | 202  | 15335    | 0.394 | ng/ul  | 93       |
| 21) Benzo(a)anthracene      | 21.530 | 228  | 10177    | 0.376 | ng/ul  | 99       |
| 22) Chrysene                | 21.582 | 228  | 10875    | 0.373 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.219 | 252  | 11420    | 0.368 | ng/ul  | 98       |
| 25) Benzo(k)fluoranthene    | 23.269 | 252  | 10622    | 0.350 | ng/ul  | 98       |
| 26) Benzo(a)pyrene          | 23.860 | 252  | 9001     | 0.357 | ng/ul  | 96       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.475 | 276  | 12580    | 0.364 | ng/ul# | 93       |
| 28) Dibenzo(a,h)anthracene  | 26.491 | 278  | 9017     | 0.372 | ng/ul  | 97       |
| 29) Benzo(g,h,i)perylene    | 27.253 | 276  | 11044    | 0.361 | ng/ul  | 98       |
| -----                       |        |      |          |       |        |          |

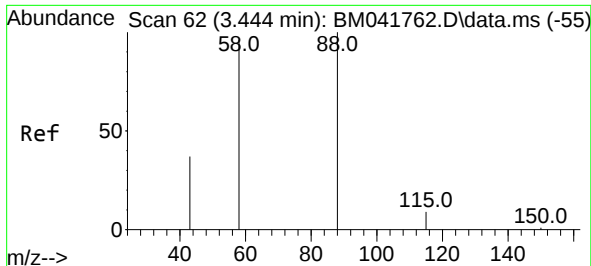
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM091123\  
Data File : BM041777.D  
Acq On : 11 Sep 2023 13:52  
Operator : MA/JU  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4080

Quant Time: Sep 12 04:20:58 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM090523.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Sep 09 23:26:58 2023  
Response via : Initial Calibration

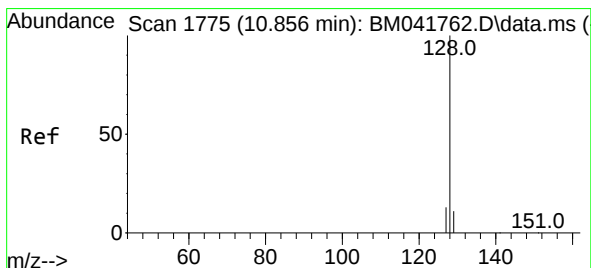
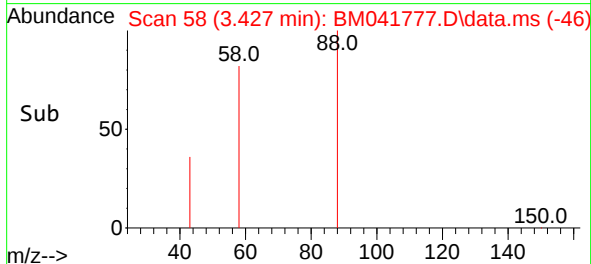
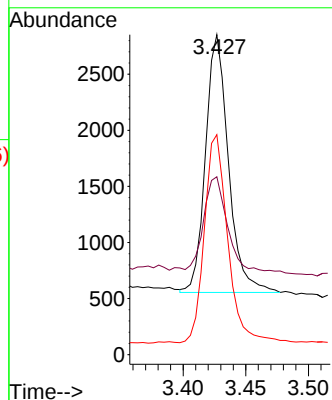
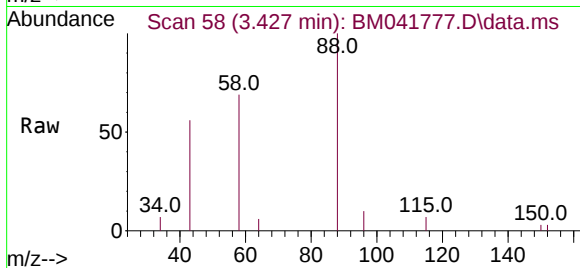




#2  
1,4-Dioxane  
Concen: 0.390 ng/ul  
RT: 3.427 min Scan# 51  
Delta R.T. -0.008 min  
Lab File: BM041777.D  
Acq: 11 Sep 2023 13:52

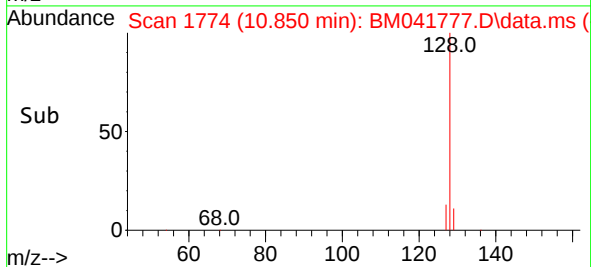
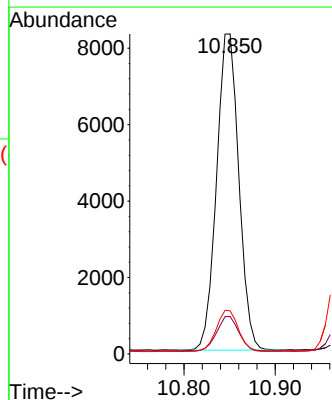
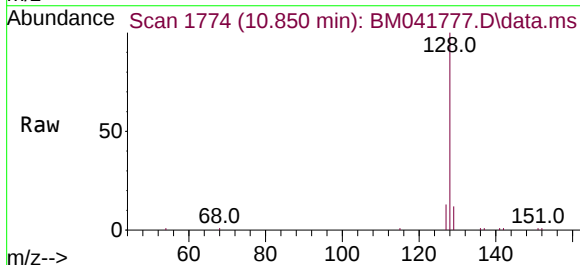
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4080

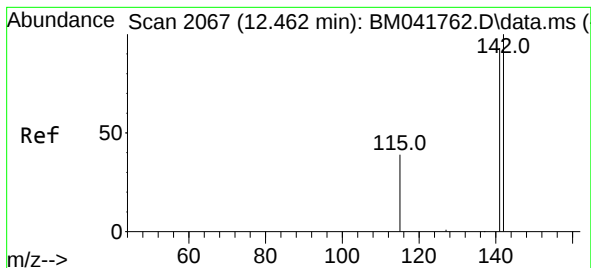
Tgt Ion: 88 Resp: 2925  
Ion Ratio Lower Upper  
88 100  
43 55.6 33.8 50.6#  
58 68.7 54.2 81.2



#5  
Naphthalene  
Concen: 0.392 ng/ul  
RT: 10.850 min Scan# 1774  
Delta R.T. -0.006 min  
Lab File: BM041777.D  
Acq: 11 Sep 2023 13:52

Tgt Ion: 128 Resp: 14052  
Ion Ratio Lower Upper  
128 100  
129 11.7 9.4 14.0  
127 13.5 11.0 16.6

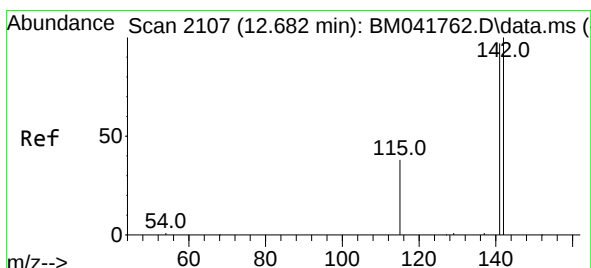
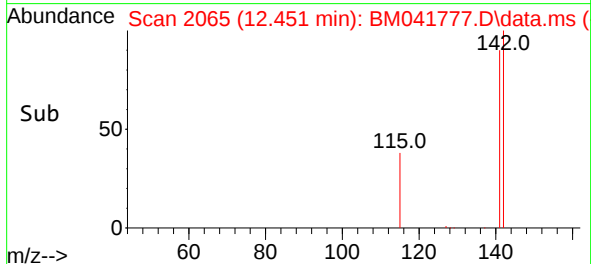
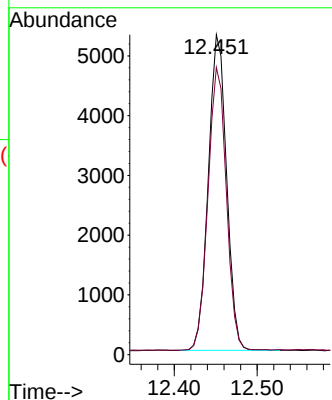
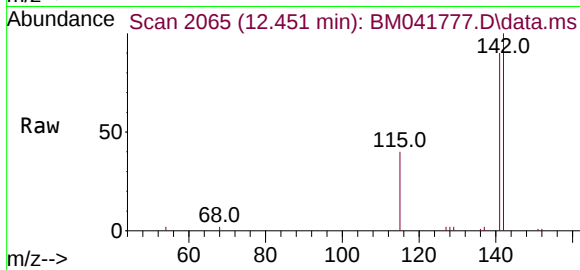




#7  
2-Methylnaphthalene  
Concen: 0.398 ng/ul  
RT: 12.451 min Scan# 2065  
Delta R.T. -0.011 min  
Lab File: BM041777.D  
Acq: 11 Sep 2023 13:52

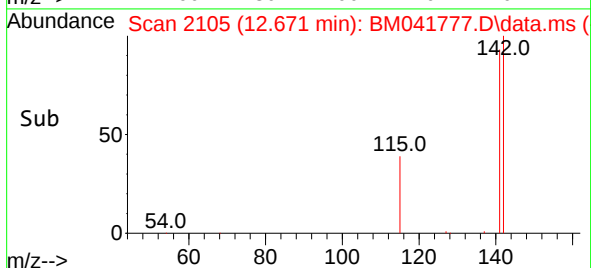
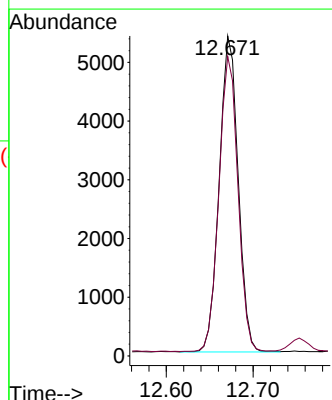
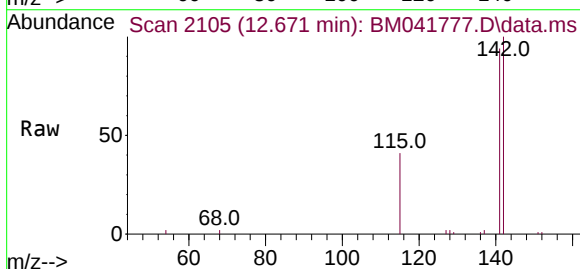
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4080

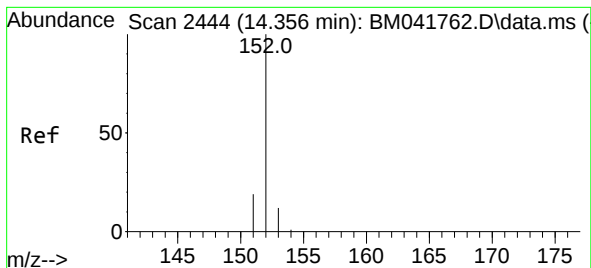
Tgt Ion:142 Resp: 8113  
Ion Ratio Lower Upper  
142 100  
141 89.9 72.2 108.2



#8  
1-Methylnaphthalene  
Concen: 0.398 ng/ul  
RT: 12.671 min Scan# 2105  
Delta R.T. -0.011 min  
Lab File: BM041777.D  
Acq: 11 Sep 2023 13:52

Tgt Ion:142 Resp: 8152  
Ion Ratio Lower Upper  
142 100  
141 94.0 74.4 111.6





#10

Acenaphthylene

Concen: 0.378 ng/u1

RT: 14.351 min Scan# 2444

Delta R.T. -0.009 min

Lab File: BM041777.D

Acq: 11 Sep 2023 13:52

Instrument :

BNA\_M

ClientSampleId :

SSTD0.4080

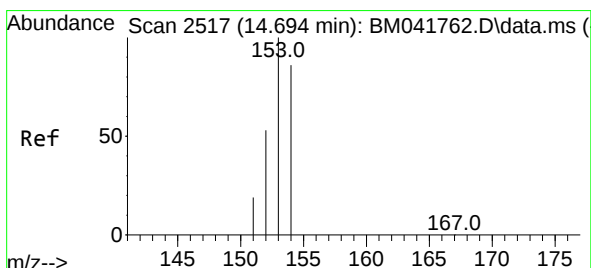
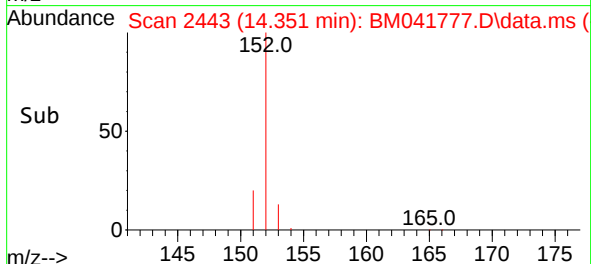
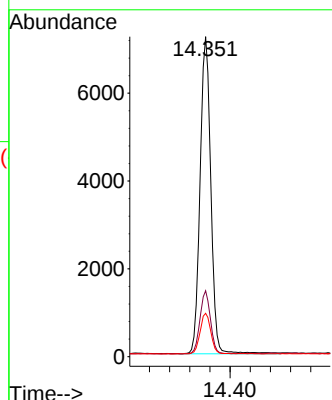
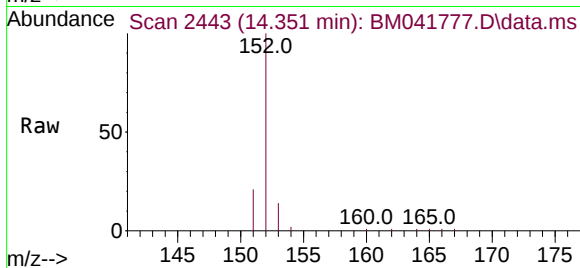
Tgt Ion:152 Resp: 10667

Ion Ratio Lower Upper

152 100

151 20.6 16.4 24.6

153 13.6 11.1 16.7



#11

Acenaphthene

Concen: 0.400 ng/u1

RT: 14.684 min Scan# 2515

Delta R.T. -0.009 min

Lab File: BM041777.D

Acq: 11 Sep 2023 13:52

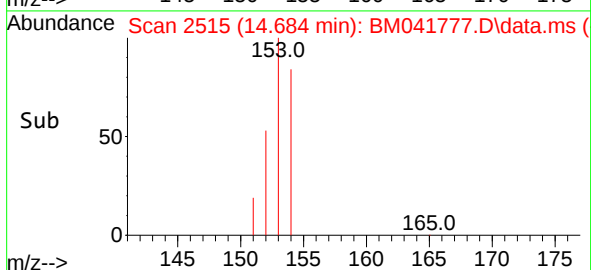
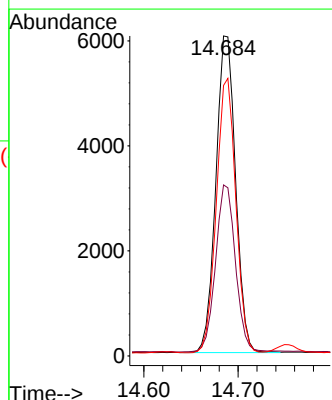
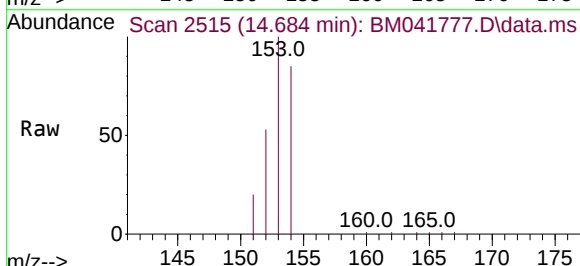
Tgt Ion:153 Resp: 8775

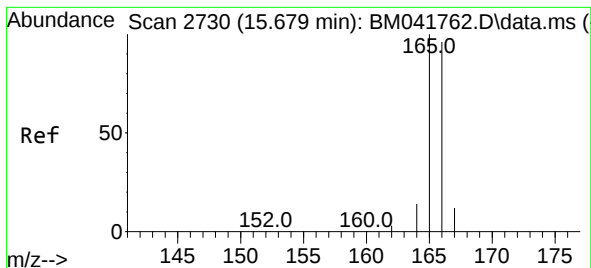
Ion Ratio Lower Upper

153 100

152 53.5 43.4 65.2

154 84.6 69.4 104.0





#12

Fluorene

Concen: 0.392 ng/ul

RT: 15.670 min Scan# 21

Delta R.T. -0.009 min

Lab File: BM041777.D

Acq: 11 Sep 2023 13:52

Instrument :

BNA\_M

ClientSampleId :

SSTD0.4080

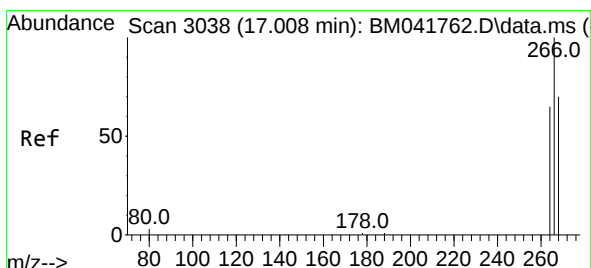
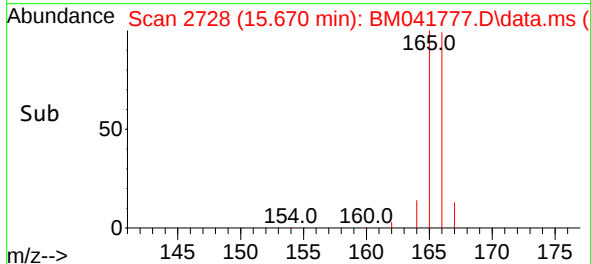
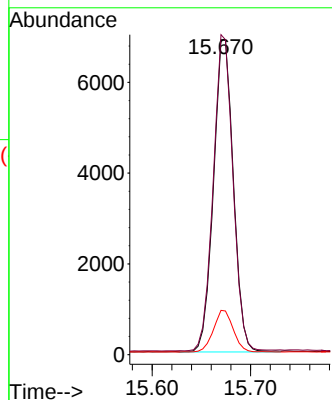
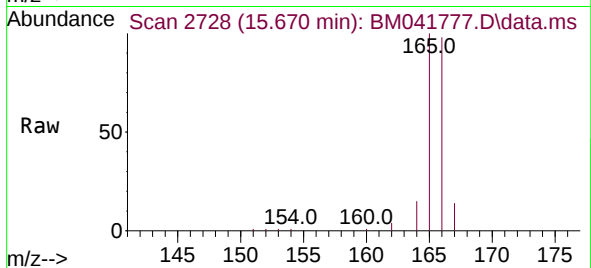
Tgt Ion:166 Resp: 9650

Ion Ratio Lower Upper

166 100

165 101.6 79.4 119.2

167 14.1 11.3 16.9



#14

Pentachlorophenol

Concen: 0.465 ng/ul

RT: 16.999 min Scan# 3036

Delta R.T. -0.004 min

Lab File: BM041777.D

Acq: 11 Sep 2023 13:52

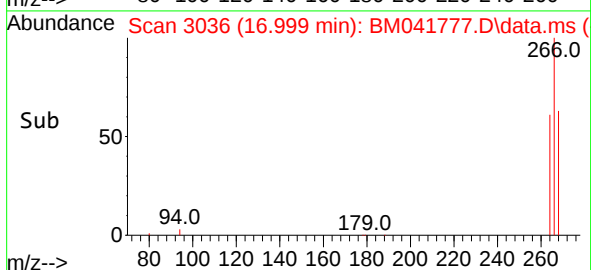
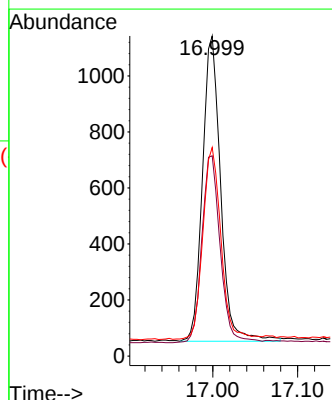
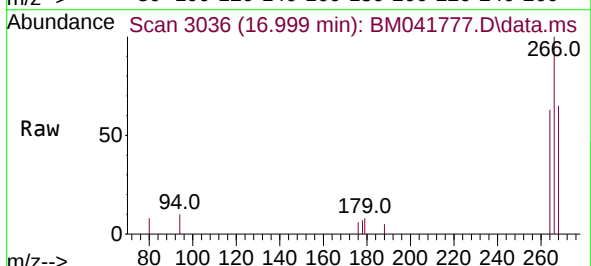
Tgt Ion:266 Resp: 1618

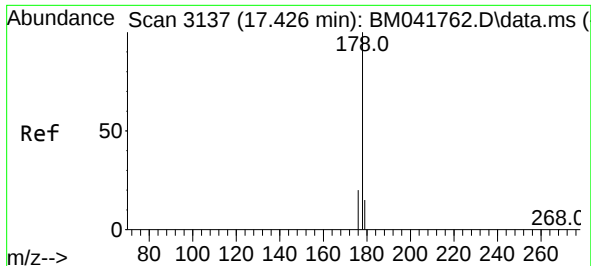
Ion Ratio Lower Upper

266 100

264 61.6 50.0 75.0

268 62.5 50.8 76.2

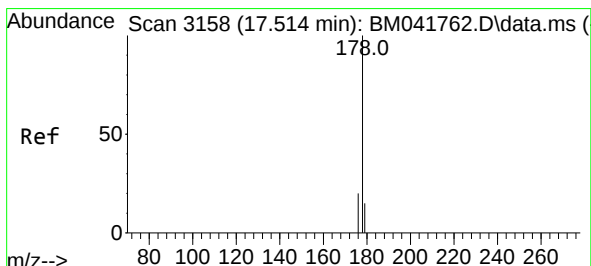
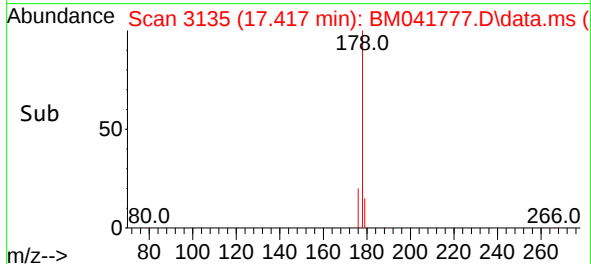
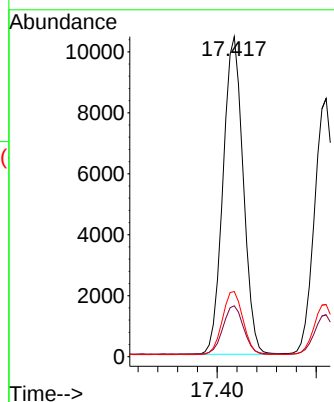
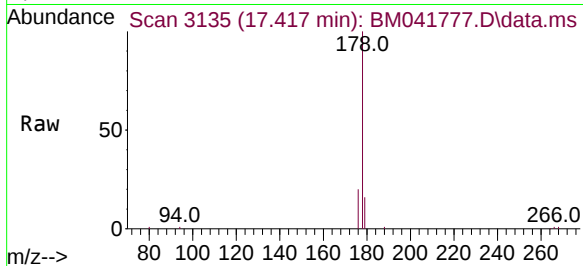




#15  
Phenanthrene  
Concen: 0.402 ng/u1  
RT: 17.417 min Scan# 3135  
Delta R.T. -0.008 min  
Lab File: BM041777.D  
Acq: 11 Sep 2023 13:52

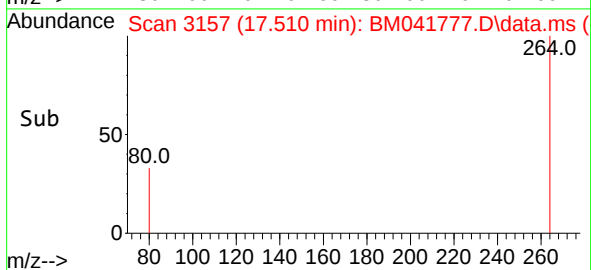
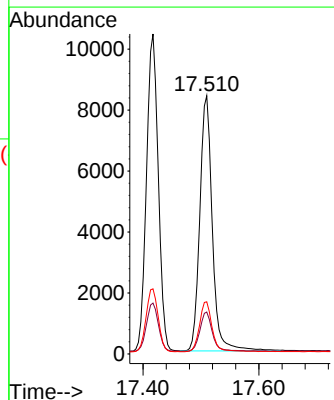
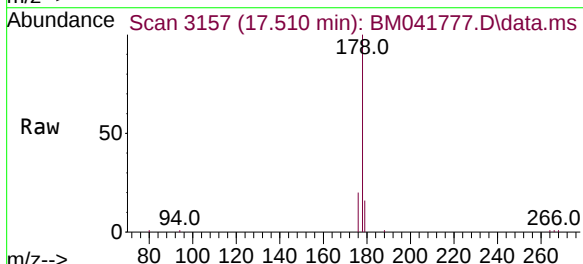
Instrument :  
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SSTD0.4080

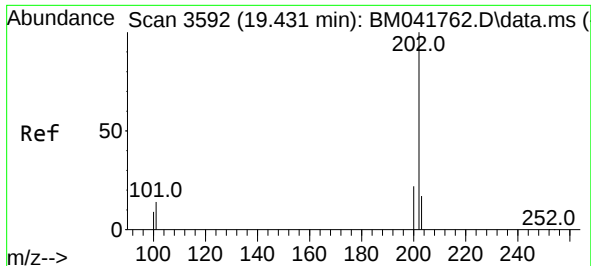
Tgt Ion:178 Resp: 14748  
Ion Ratio Lower Upper  
178 100  
179 15.9 12.9 19.3  
176 20.4 16.9 25.3



#16  
Anthracene  
Concen: 0.399 ng/u1  
RT: 17.510 min Scan# 3157  
Delta R.T. -0.004 min  
Lab File: BM041777.D  
Acq: 11 Sep 2023 13:52

Tgt Ion:178 Resp: 12546  
Ion Ratio Lower Upper  
178 100  
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176 20.2 15.8 23.8

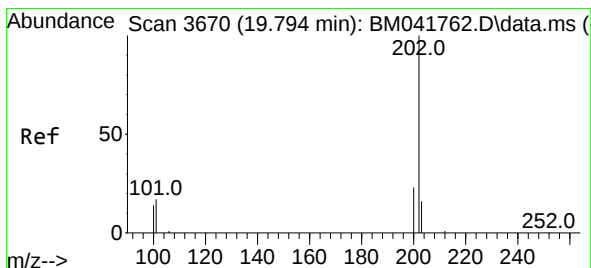
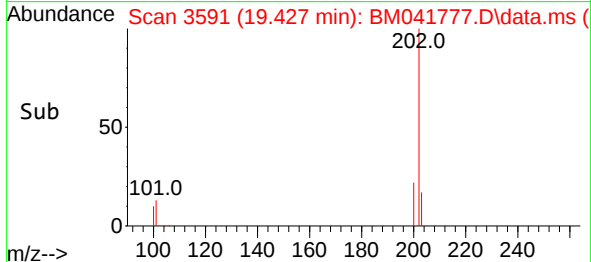
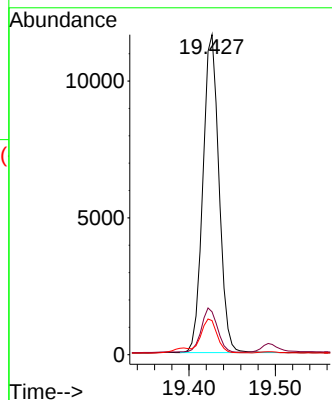
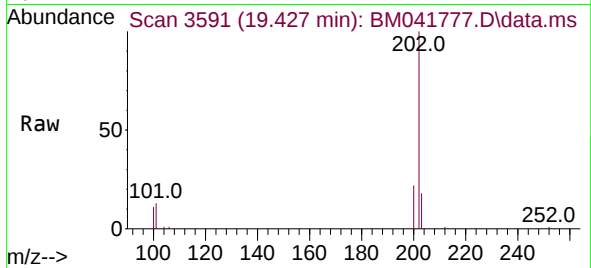




#19  
Fluoranthene  
Concen: 0.384 ng/ul  
RT: 19.427 min Scan# 31  
Delta R.T. -0.005 min  
Lab File: BM041777.D  
Acq: 11 Sep 2023 13:52

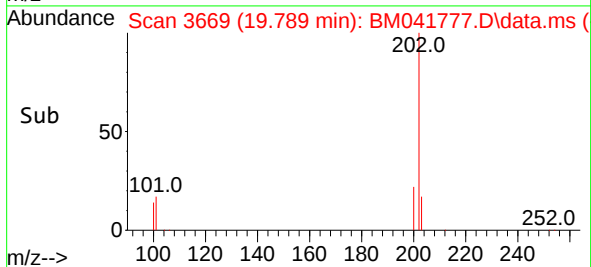
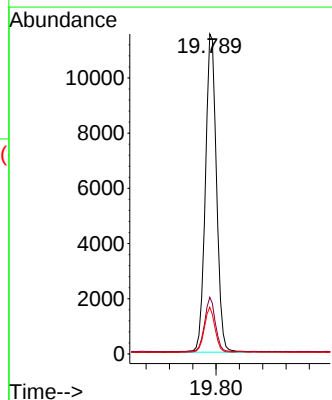
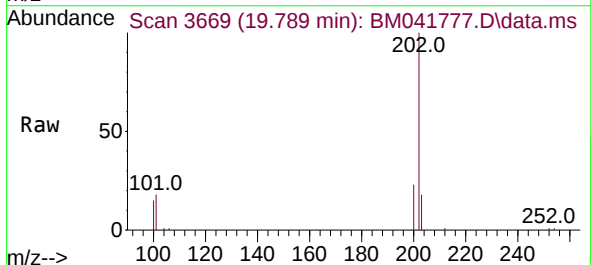
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4080

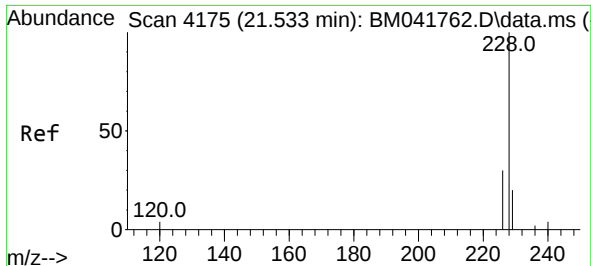
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Ion Ratio Lower Upper  
202 100  
101 13.4 10.5 15.7  
100 10.6 8.4 12.6



#20  
Pyrene  
Concen: 0.394 ng/ul  
RT: 19.789 min Scan# 3669  
Delta R.T. -0.009 min  
Lab File: BM041777.D  
Acq: 11 Sep 2023 13:52

Tgt Ion:202 Resp: 15335  
Ion Ratio Lower Upper  
202 100  
101 17.7 11.8 17.8  
100 14.6 9.8 14.6

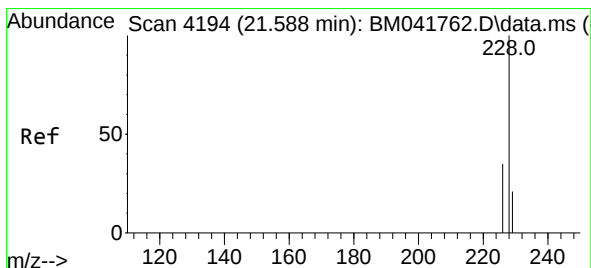
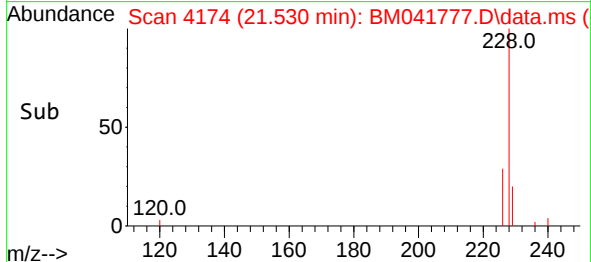
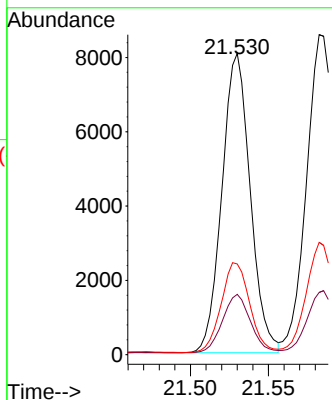
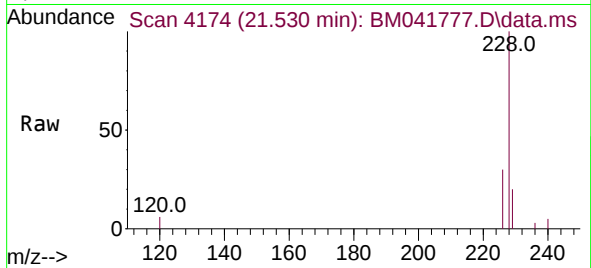




#21  
Benzo(a)anthracene  
Concen: 0.376 ng/ul  
RT: 21.530 min Scan# 4175  
Delta R.T. -0.003 min  
Lab File: BM041777.D  
Acq: 11 Sep 2023 13:52

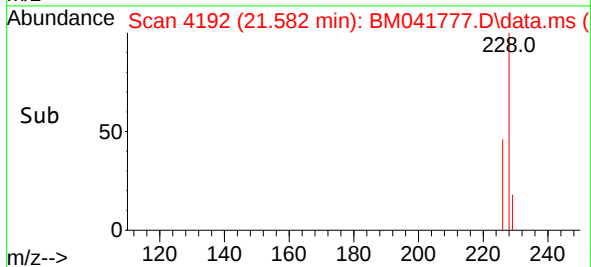
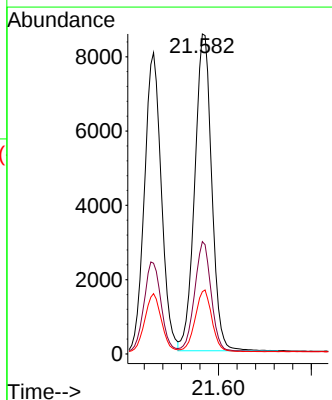
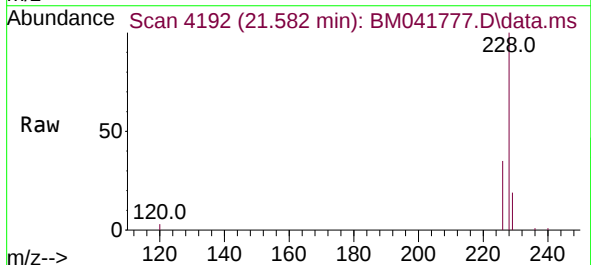
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4080

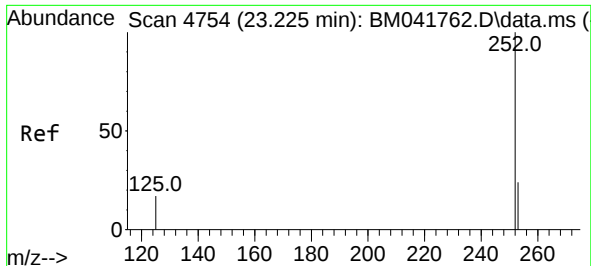
Tgt Ion:228 Resp: 10177  
Ion Ratio Lower Upper  
228 100  
229 20.0 15.8 23.6  
226 30.1 24.8 37.2



#22  
Chrysene  
Concen: 0.373 ng/ul  
RT: 21.582 min Scan# 4192  
Delta R.T. -0.003 min  
Lab File: BM041777.D  
Acq: 11 Sep 2023 13:52

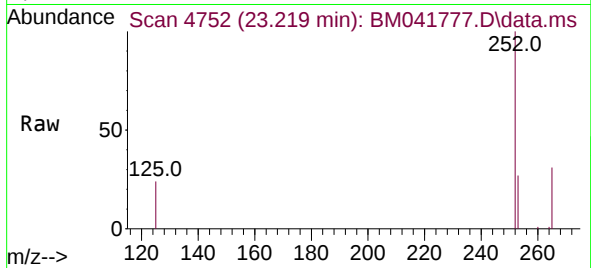
Tgt Ion:228 Resp: 10875  
Ion Ratio Lower Upper  
228 100  
226 35.1 27.0 40.6  
229 19.5 15.4 23.2



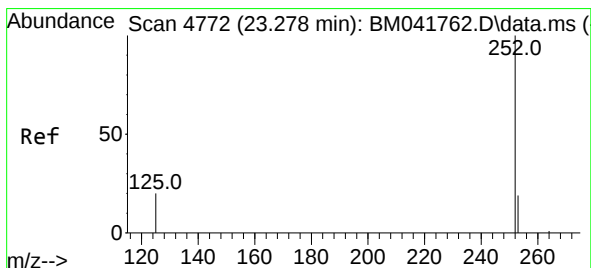
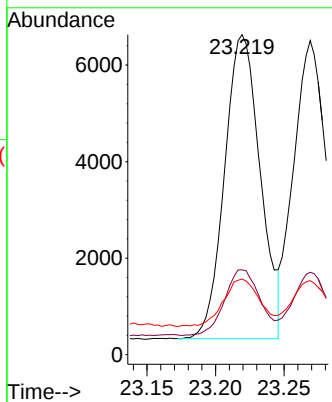
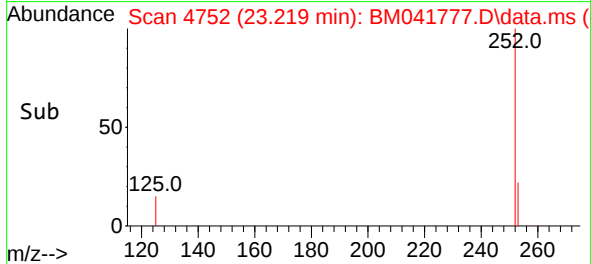


#24  
Benzo(b)fluoranthene  
Concen: 0.368 ng/ul  
RT: 23.219 min Scan# 4752  
Delta R.T. -0.006 min  
Lab File: BM041777.D  
Acq: 11 Sep 2023 13:52

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4080

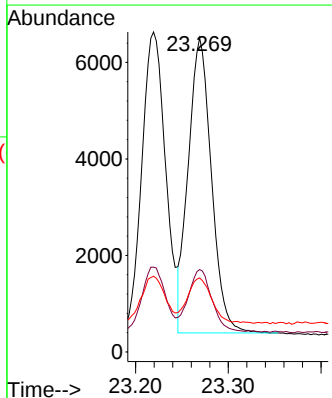
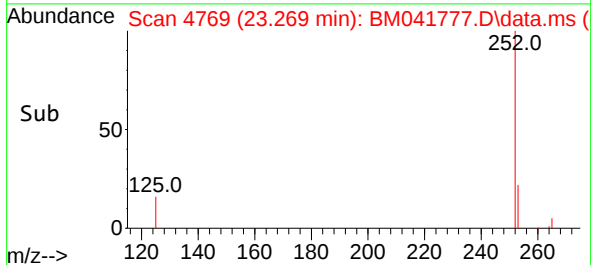
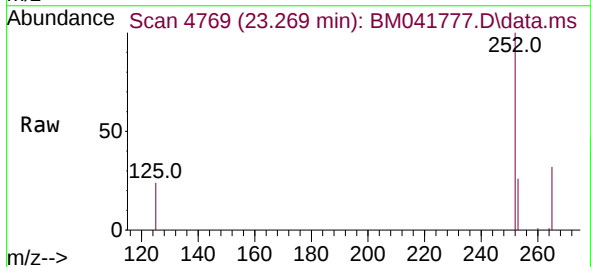


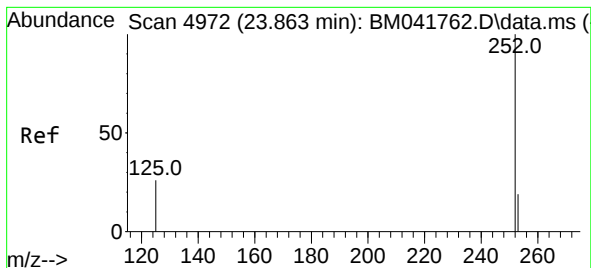
Tgt Ion:252 Resp: 11420  
Ion Ratio Lower Upper  
252 100  
253 26.5 0.0 52.4  
125 23.6 0.0 42.8



#25  
Benzo(k)fluoranthene  
Concen: 0.350 ng/ul  
RT: 23.269 min Scan# 4769  
Delta R.T. -0.006 min  
Lab File: BM041777.D  
Acq: 11 Sep 2023 13:52

Tgt Ion:252 Resp: 10622  
Ion Ratio Lower Upper  
252 100  
253 26.2 21.3 31.9  
125 23.6 17.4 26.0





#26

Benzo(a)pyrene

Concen: 0.357 ng/ul

RT: 23.860 min Scan# 4972

Delta R.T. -0.003 min

Lab File: BM041777.D

Acq: 11 Sep 2023 13:52

Instrument :

BNA\_M

ClientSampleId :

SSTD0.4080

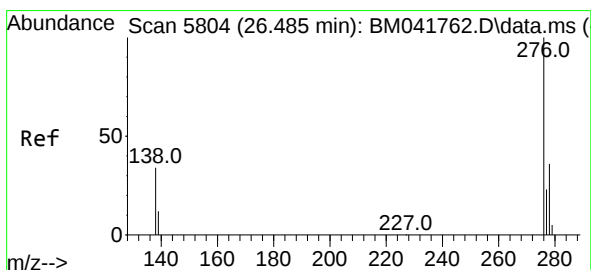
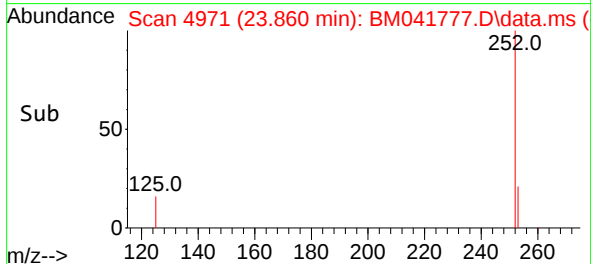
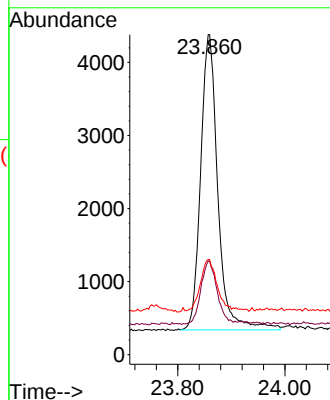
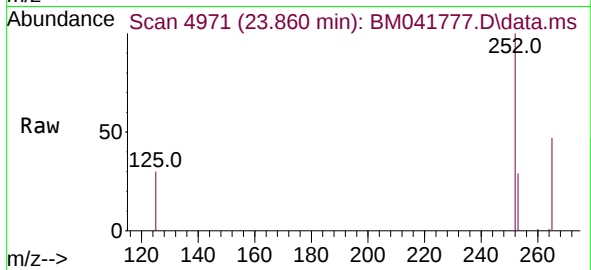
Tgt Ion:252 Resp: 9001

Ion Ratio Lower Upper

252 100

253 29.2 22.4 33.6

125 29.7 21.0 31.4



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.364 ng/ul

RT: 26.475 min Scan# 5801

Delta R.T. -0.010 min

Lab File: BM041777.D

Acq: 11 Sep 2023 13:52

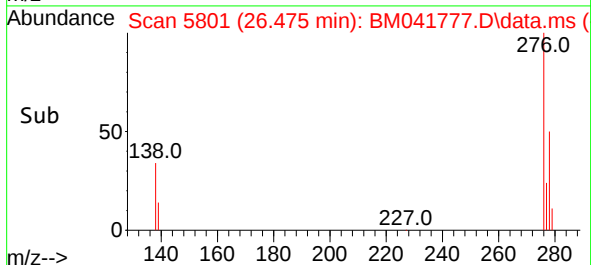
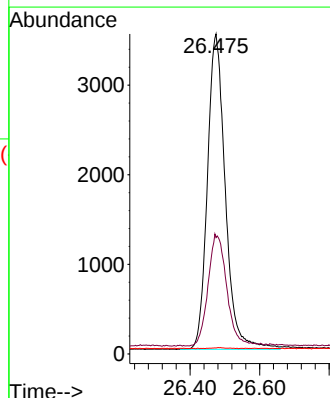
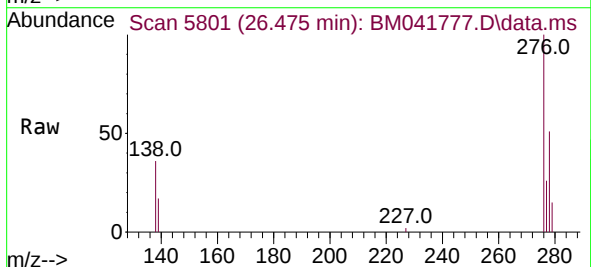
Tgt Ion:276 Resp: 12580

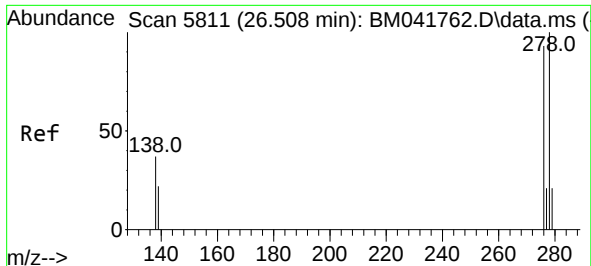
Ion Ratio Lower Upper

276 100

138 37.0 26.4 39.6

227 0.3 0.1 0.1#

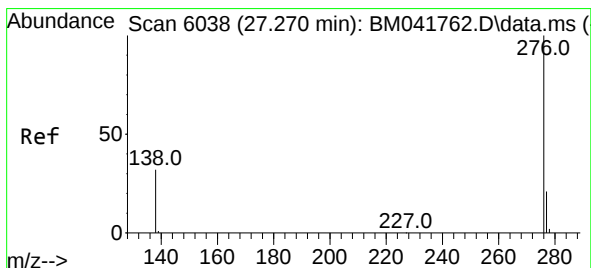
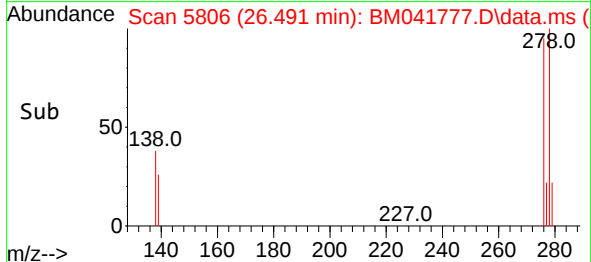
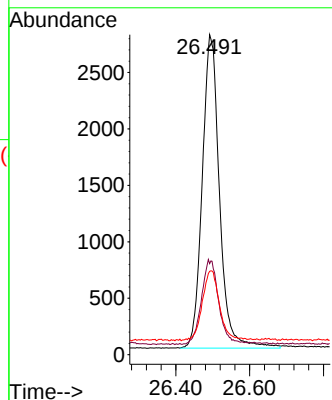
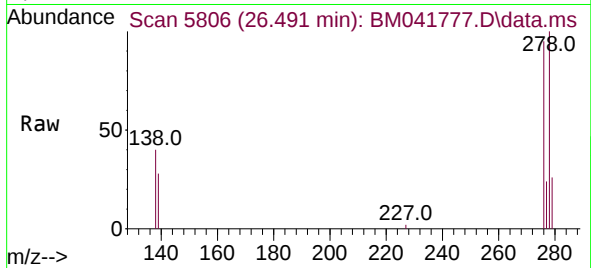




#28  
Dibenzo(a,h)anthracene  
Concen: 0.372 ng/ul  
RT: 26.491 min Scan# 5811  
Delta R.T. -0.013 min  
Lab File: BM041777.D  
Acq: 11 Sep 2023 13:52

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4080

Tgt Ion:278 Resp: 9017  
Ion Ratio Lower Upper  
278 100  
139 28.5 23.0 34.6  
279 26.0 22.9 34.3



#29  
Benzo(g,h,i)perylene  
Concen: 0.361 ng/ul  
RT: 27.253 min Scan# 6033  
Delta R.T. -0.013 min  
Lab File: BM041777.D  
Acq: 11 Sep 2023 13:52

Tgt Ion:276 Resp: 11044  
Ion Ratio Lower Upper  
276 100  
138 33.3 25.0 37.4  
277 24.9 20.2 30.2

