

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM090523\  
 Data File : BM041660.D  
 Acq On : 05 Sep 2023 19:34  
 Operator : MA/JU  
 Sample : SST03.229  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SST03.2020

Quant Time: Sep 06 02:14:37 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 : Wed Sep 06 02:12:18 2023  
 Response via : Initial Calibration

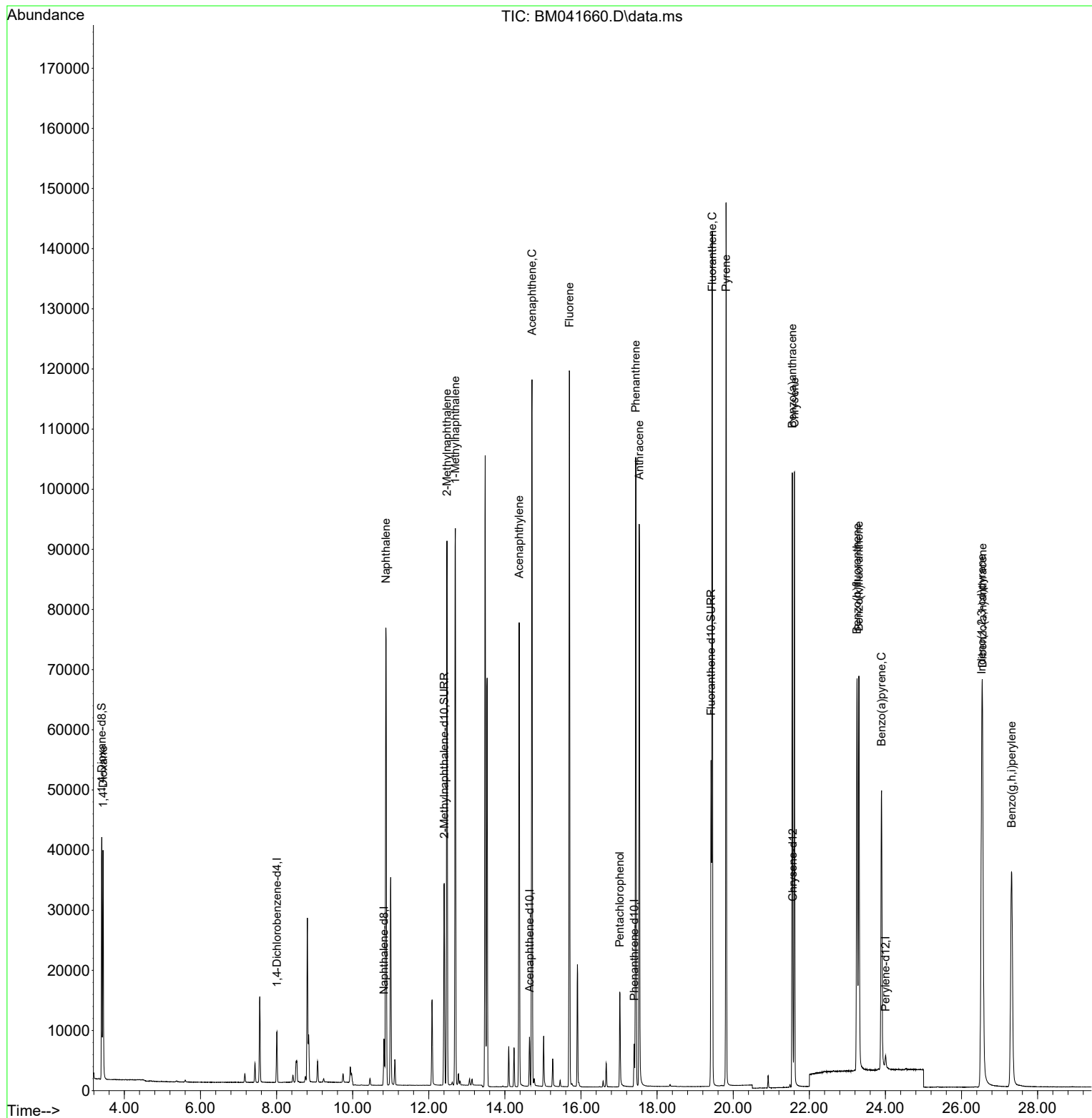
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.009  | 152  | 4209     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.823 | 136  | 9552     | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.647 | 164  | 4078     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.400 | 188  | 7390     | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.568 | 240  | 2949     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.003 | 264  | 2700     | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.406  | 96   | 20443    | 3.291 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.407 | 152  | 41084    | 3.565 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.417 | 212  | 46588    | 3.203 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.444  | 88   | 21551    | 3.253 | ng/ul  | 87       |
| 5) Naphthalene              | 10.873 | 128  | 102616   | 3.360 | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 12.478 | 142  | 60412    | 3.487 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.698 | 142  | 60533    | 3.458 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.375 | 152  | 85060    | 2.992 | ng/ul  | 98       |
| 11) Acenaphthene            | 14.712 | 153  | 65111    | 3.321 | ng/ul  | 98       |
| 12) Fluorene                | 15.698 | 166  | 73137    | 3.427 | ng/ul  | 100      |
| 14) Pentachlorophenol       | 17.020 | 266  | 10987    | 3.869 | ng/ul  | 100      |
| 15) Phenanthrene            | 17.438 | 178  | 106639   | 3.305 | ng/ul  | 98       |
| 16) Anthracene              | 17.531 | 178  | 98635    | 3.518 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.450 | 202  | 115929   | 2.997 | ng/ul  | 98       |
| 20) Pyrene                  | 19.812 | 202  | 113681   | 2.922 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.553 | 228  | 83301    | 3.164 | ng/ul  | 98       |
| 22) Chrysene                | 21.609 | 228  | 85575    | 3.028 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.254 | 252  | 85545    | 3.411 | ng/ul  | 89       |
| 25) Benzo(k)fluoranthene    | 23.304 | 252  | 85896    | 3.605 | ng/ul# | 88       |
| 26) Benzo(a)pyrene          | 23.898 | 252  | 71971    | 3.221 | ng/ul# | 85       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.532 | 276  | 98637    | 3.305 | ng/ul# | 99       |
| 28) Dibenzo(a,h)anthracene  | 26.552 | 278  | 70558    | 3.514 | ng/ul  | 92       |
| 29) Benzo(g,h,i)perylene    | 27.316 | 276  | 83308    | 3.327 | ng/ul  | 96       |

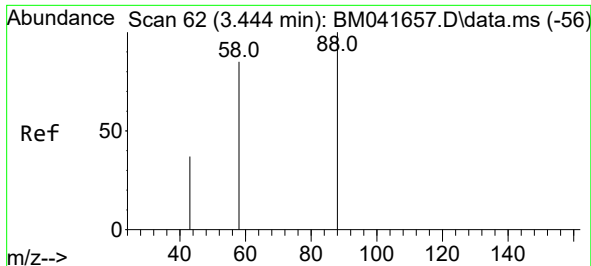
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM090523\  
Data File : BM041660.D  
Acq On : 05 Sep 2023 19:34  
Operator : MA/JU  
Sample : SST3.229  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD3.2020

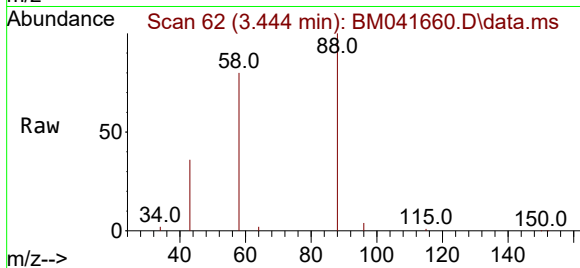
Quant Time: Sep 06 02:14:37 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM090523.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 06 02:12:18 2023  
Response via : Initial Calibration





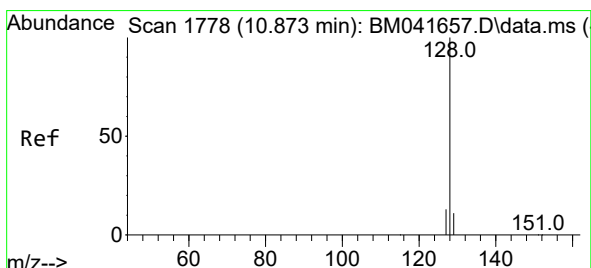
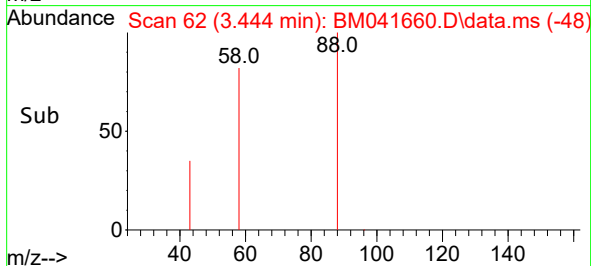
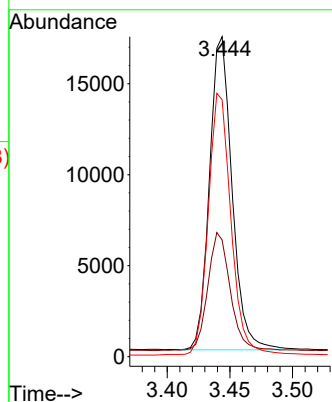
#2  
1,4-Dioxane  
Concen: 3.253 ng/ul  
RT: 3.444 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BM041660.D  
Acq: 05 Sep 2023 19:34

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD3.2020



Tgt Ion: 88 Resp: 21551

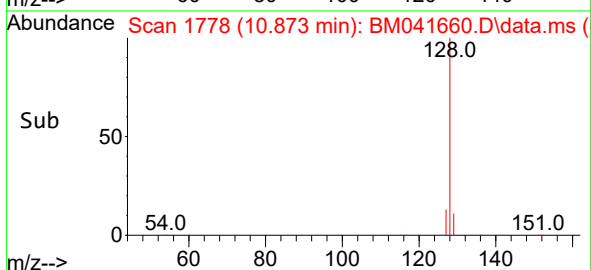
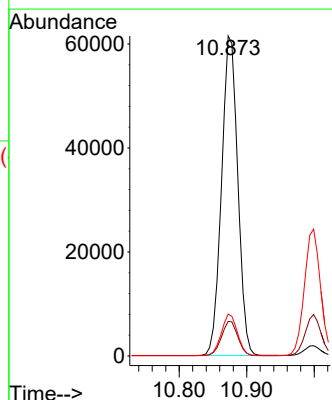
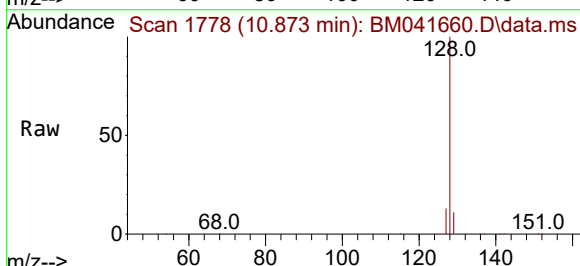
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 36.4  | 33.8  | 50.6  |
| 58  | 80.3  | 54.2  | 81.2  |

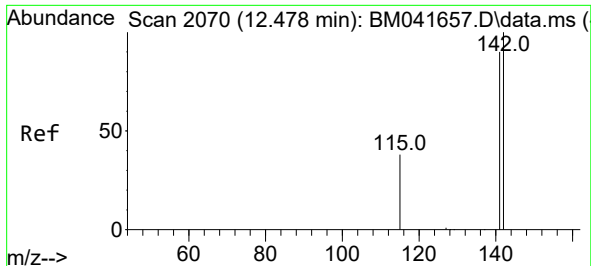


#5  
Naphthalene  
Concen: 3.360 ng/ul  
RT: 10.873 min Scan# 1778  
Delta R.T. -0.000 min  
Lab File: BM041660.D  
Acq: 05 Sep 2023 19:34

Tgt Ion: 128 Resp: 102616

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 129 | 10.8  | 9.4   | 14.0  |
| 127 | 13.1  | 11.0  | 16.6  |

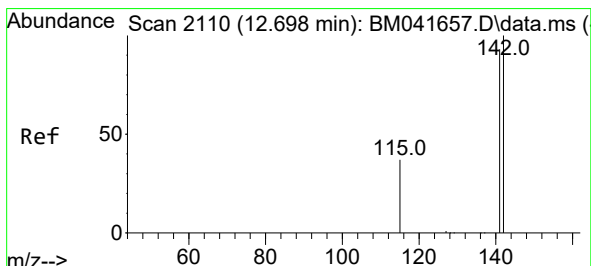
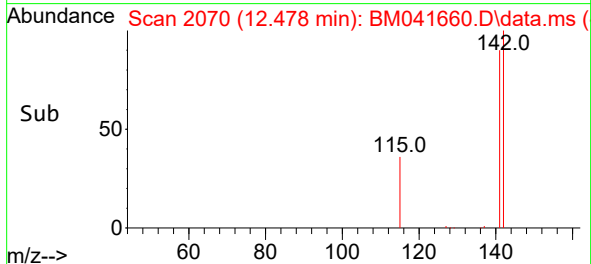
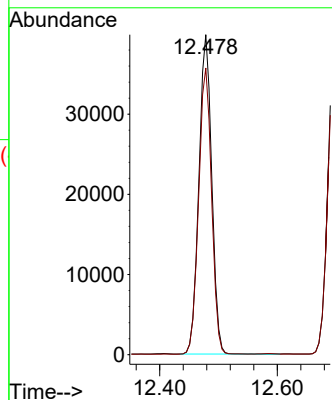
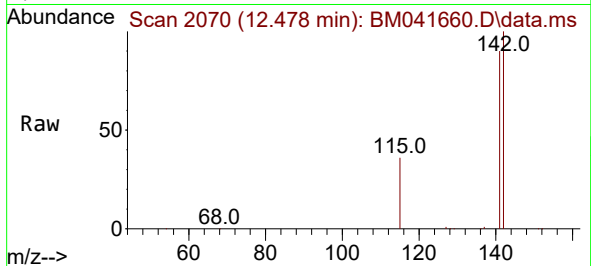




#7  
2-Methylnaphthalene  
Concen: 3.487 ng/ul  
RT: 12.478 min Scan# 2070  
Delta R.T. -0.000 min  
Lab File: BM041660.D  
Acq: 05 Sep 2023 19:34

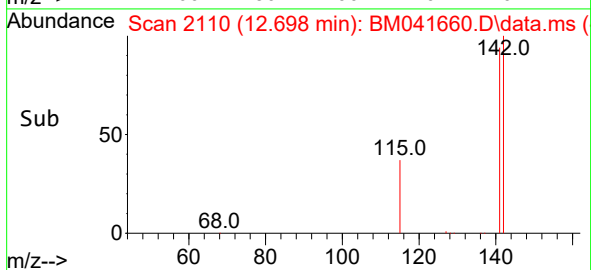
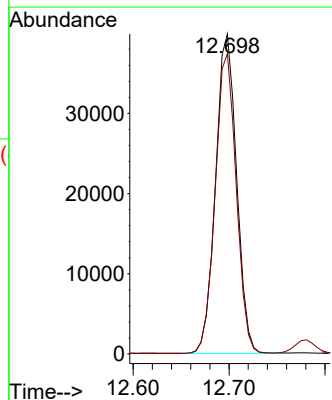
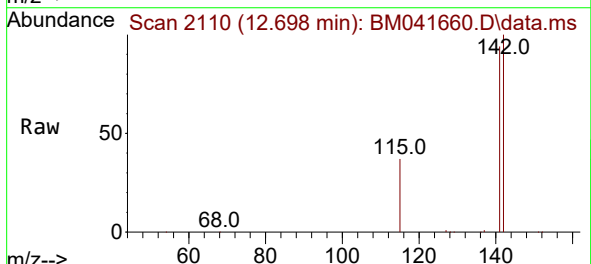
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD3.2020

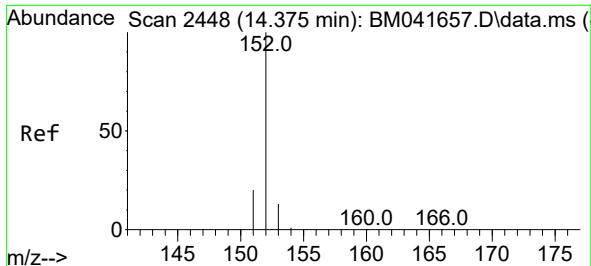
Tgt Ion:142 Resp: 60412  
Ion Ratio Lower Upper  
142 100  
141 90.3 72.2 108.2



#8  
1-Methylnaphthalene  
Concen: 3.458 ng/ul  
RT: 12.698 min Scan# 2110  
Delta R.T. -0.000 min  
Lab File: BM041660.D  
Acq: 05 Sep 2023 19:34

Tgt Ion:142 Resp: 60533  
Ion Ratio Lower Upper  
142 100  
141 93.8 74.4 111.6

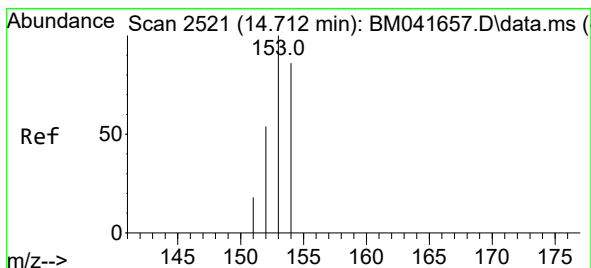
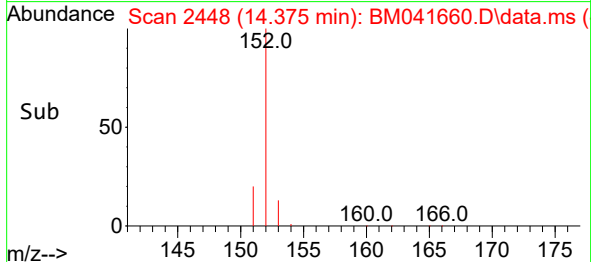
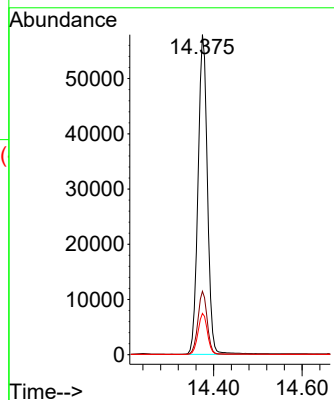
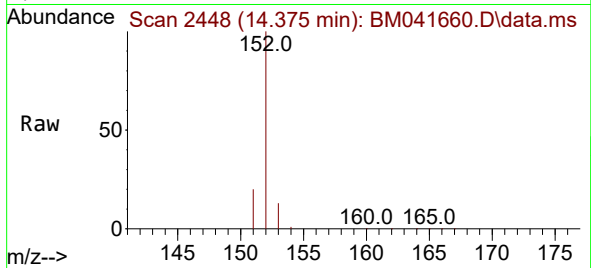




#10  
Acenaphthylene  
Concen: 2.992 ng/ul  
RT: 14.375 min Scan# 2448  
Delta R.T. -0.000 min  
Lab File: BM041660.D  
Acq: 05 Sep 2023 19:34

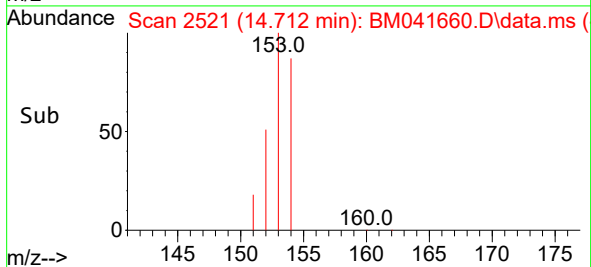
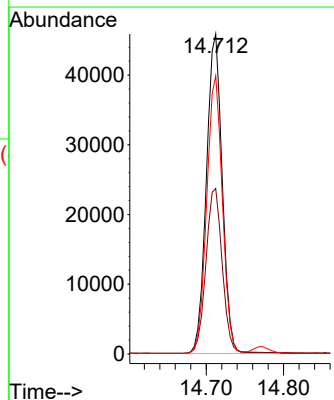
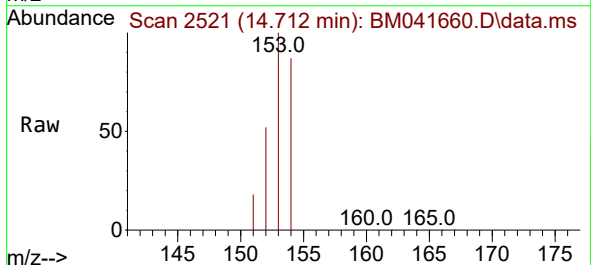
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD3.2020

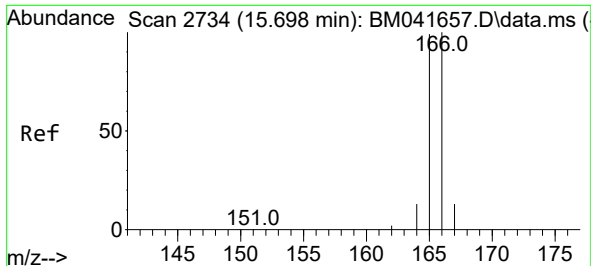
Tgt Ion:152 Resp: 85060  
Ion Ratio Lower Upper  
152 100  
151 19.8 16.4 24.6  
153 12.9 11.1 16.7



#11  
Acenaphthene  
Concen: 3.321 ng/ul  
RT: 14.712 min Scan# 2521  
Delta R.T. -0.000 min  
Lab File: BM041660.D  
Acq: 05 Sep 2023 19:34

Tgt Ion:153 Resp: 65111  
Ion Ratio Lower Upper  
153 100  
152 51.7 43.4 65.2  
154 86.9 69.4 104.0

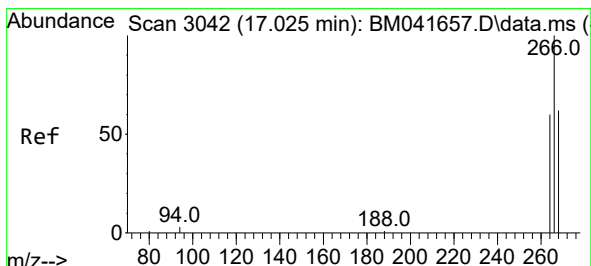
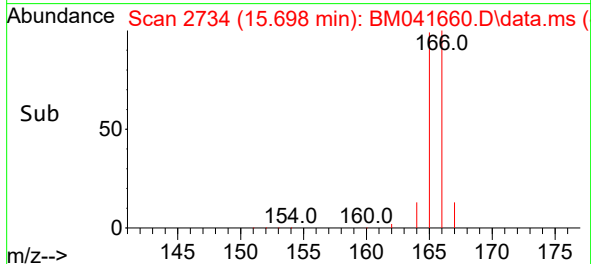
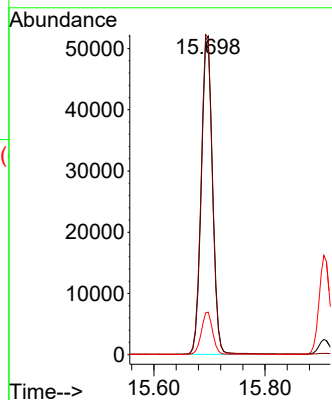
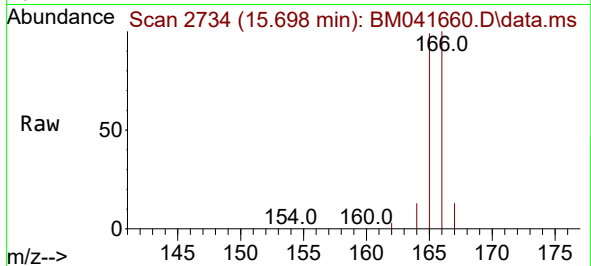




#12  
Fluorene  
Concen: 3.427 ng/ul  
RT: 15.698 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BM041660.D  
Acq: 05 Sep 2023 19:34

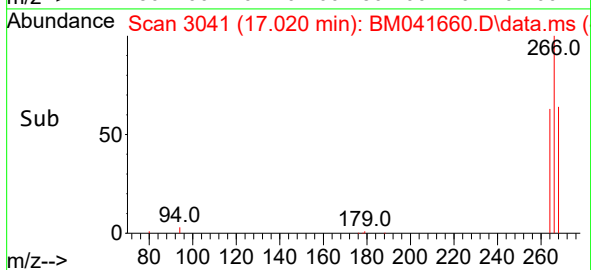
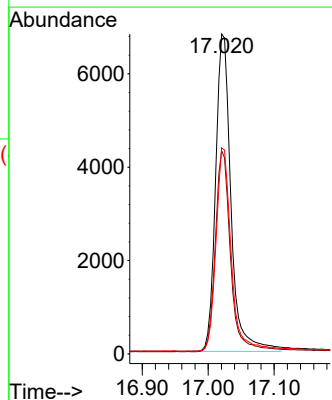
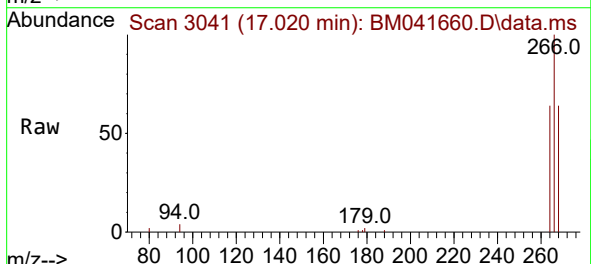
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD3.2020

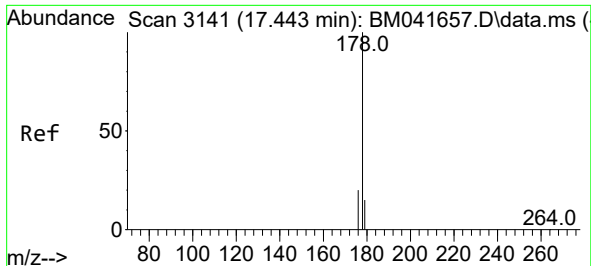
Tgt Ion:166 Resp: 73137  
Ion Ratio Lower Upper  
166 100  
165 99.3 79.4 119.2  
167 13.3 11.3 16.9



#14  
Pentachlorophenol  
Concen: 3.869 ng/ul  
RT: 17.020 min Scan# 3041  
Delta R.T. -0.004 min  
Lab File: BM041660.D  
Acq: 05 Sep 2023 19:34

Tgt Ion:266 Resp: 10987  
Ion Ratio Lower Upper  
266 100  
264 62.8 50.0 75.0  
268 63.6 50.8 76.2

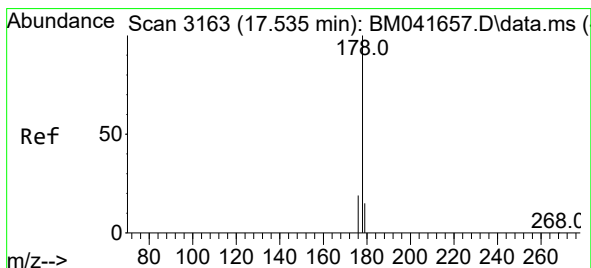
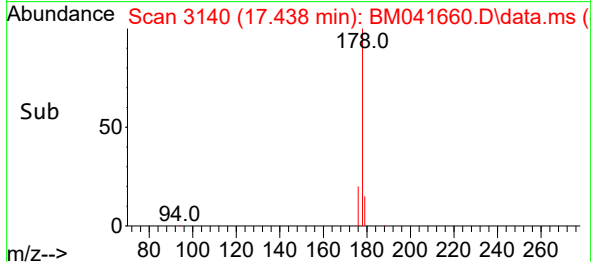
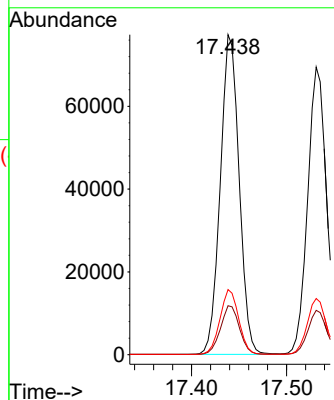
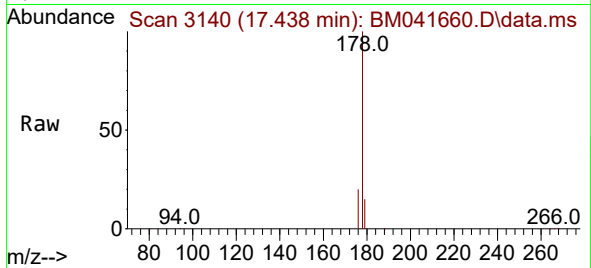




#15  
Phenanthrene  
Concen: 3.305 ng/ul  
RT: 17.438 min Scan# 3140  
Delta R.T. -0.004 min  
Lab File: BM041660.D  
Acq: 05 Sep 2023 19:34

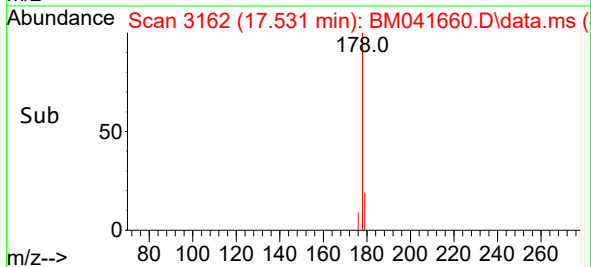
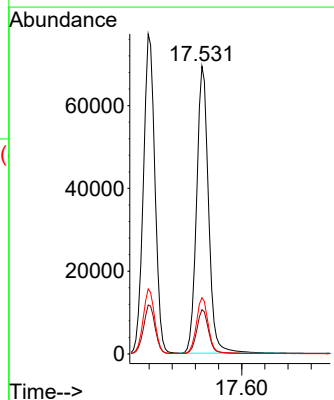
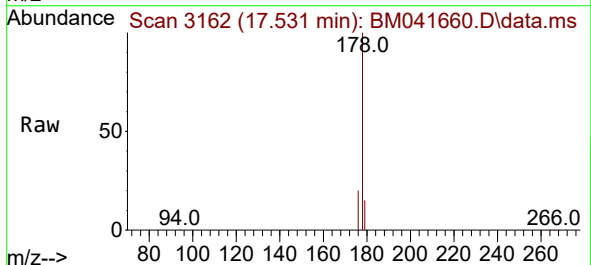
Instrument :  
BNA\_M  
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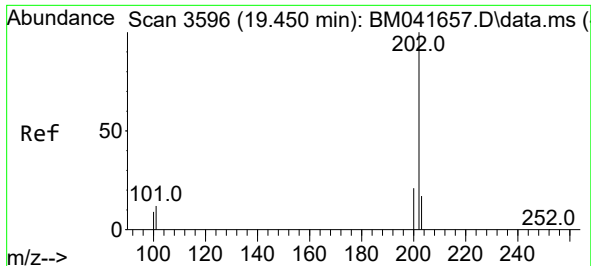
Tgt Ion:178 Resp: 106639  
Ion Ratio Lower Upper  
178 100  
179 15.3 12.9 19.3  
176 20.3 16.9 25.3



#16  
Anthracene  
Concen: 3.518 ng/ul  
RT: 17.531 min Scan# 3162  
Delta R.T. -0.004 min  
Lab File: BM041660.D  
Acq: 05 Sep 2023 19:34

Tgt Ion:178 Resp: 98635  
Ion Ratio Lower Upper  
178 100  
179 15.4 12.9 19.3  
176 19.5 15.8 23.8

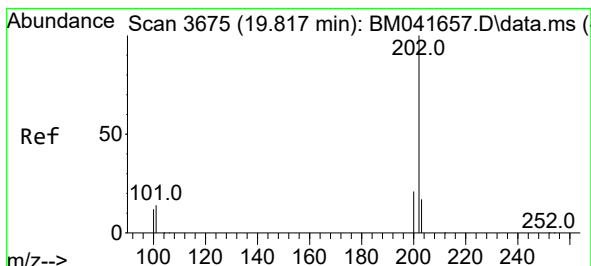
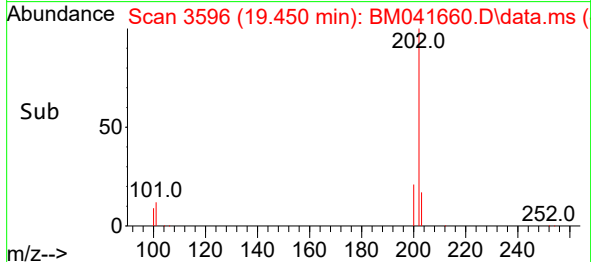
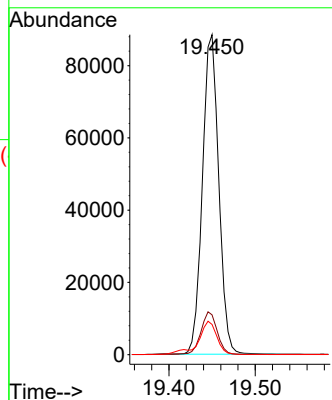
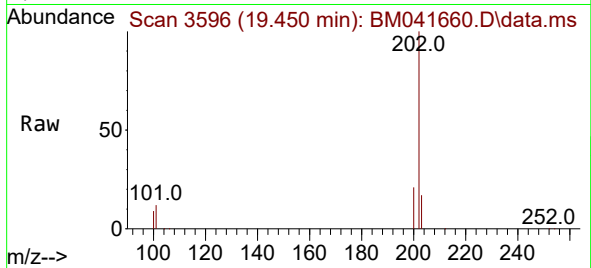




#19  
Fluoranthene  
Concen: 2.997 ng/ul  
RT: 19.450 min Scan# 3596  
Delta R.T. -0.000 min  
Lab File: BM041660.D  
Acq: 05 Sep 2023 19:34

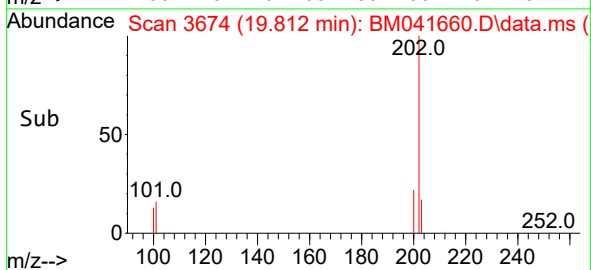
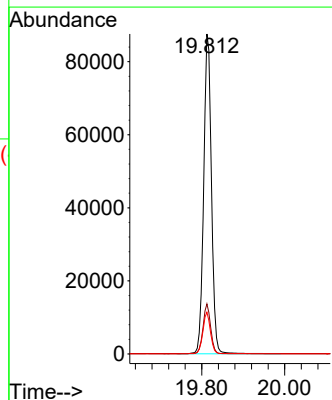
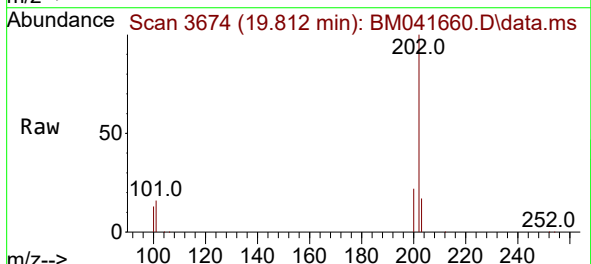
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD3.2020

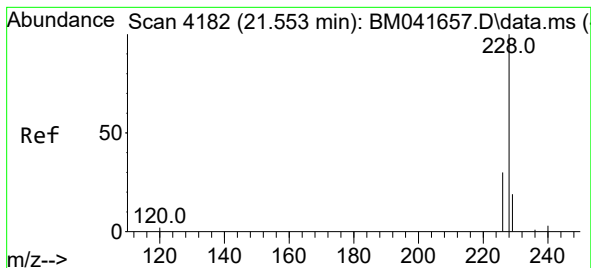
Tgt Ion:202 Resp: 115929  
Ion Ratio Lower Upper  
202 100  
101 12.5 10.5 15.7  
100 9.5 8.4 12.6



#20  
Pyrene  
Concen: 2.922 ng/ul  
RT: 19.812 min Scan# 3674  
Delta R.T. -0.005 min  
Lab File: BM041660.D  
Acq: 05 Sep 2023 19:34

Tgt Ion:202 Resp: 113681  
Ion Ratio Lower Upper  
202 100  
101 15.6 11.8 17.8  
100 13.0 9.8 14.6





#21

Benzo(a)anthracene

Concen: 3.164 ng/ul

RT: 21.553 min Scan# 4182

Delta R.T. -0.000 min

Lab File: BM041660.D

Acq: 05 Sep 2023 19:34

Instrument :

BNA\_M

ClientSampleId :

SSTD3.2020

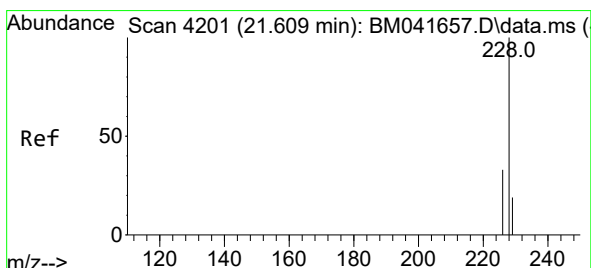
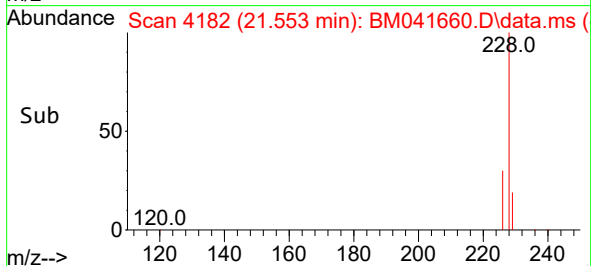
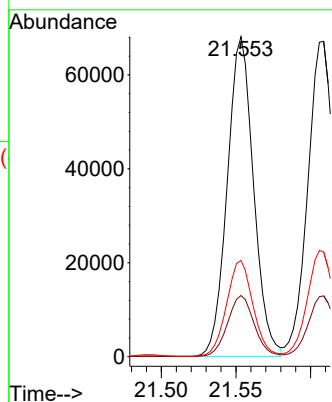
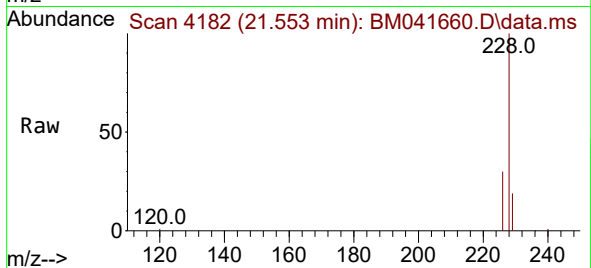
Tgt Ion:228 Resp: 83301

Ion Ratio Lower Upper

228 100

229 19.1 15.8 23.6

226 30.1 24.8 37.2



#22

Chrysene

Concen: 3.028 ng/ul

RT: 21.609 min Scan# 4201

Delta R.T. -0.000 min

Lab File: BM041660.D

Acq: 05 Sep 2023 19:34

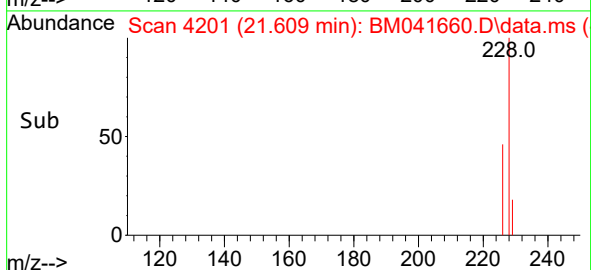
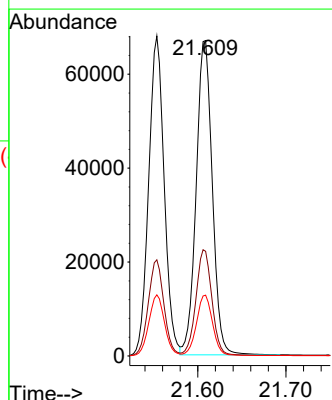
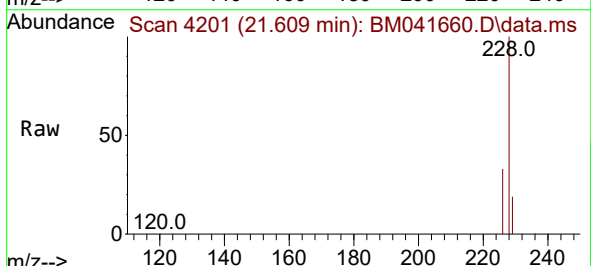
Tgt Ion:228 Resp: 85575

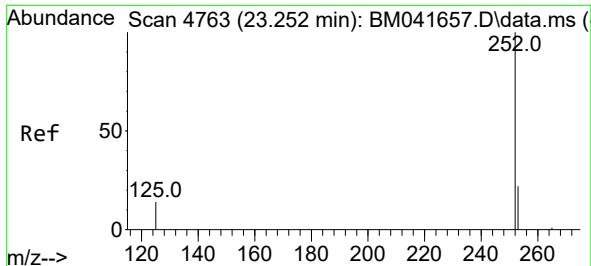
Ion Ratio Lower Upper

228 100

226 33.2 27.0 40.6

229 19.3 15.4 23.2

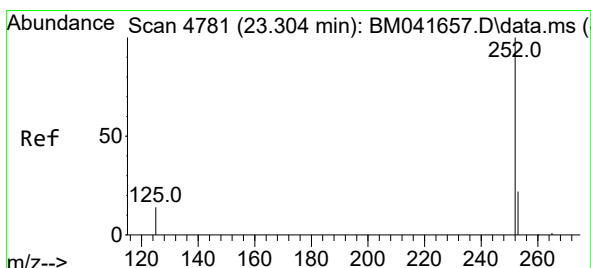
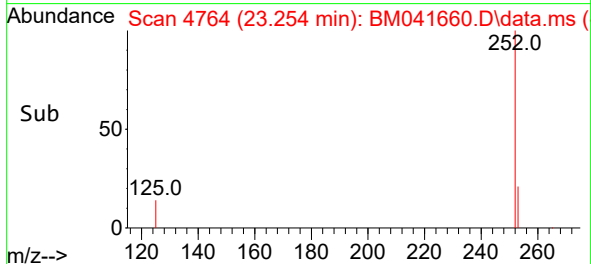
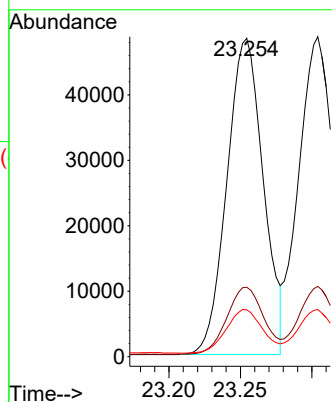
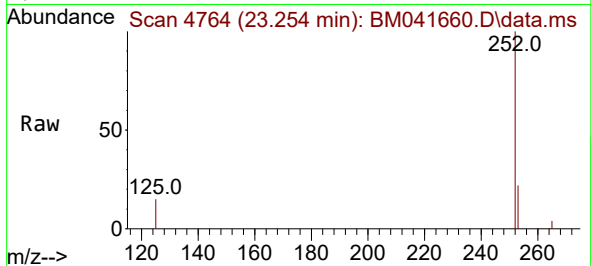




#24  
Benzo(b)fluoranthene  
Concen: 3.411 ng/ul  
RT: 23.254 min Scan# 4764  
Delta R.T. 0.003 min  
Lab File: BM041660.D  
Acq: 05 Sep 2023 19:34

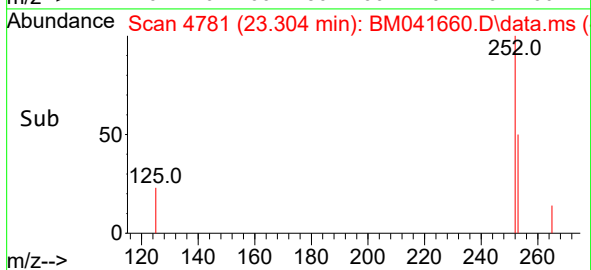
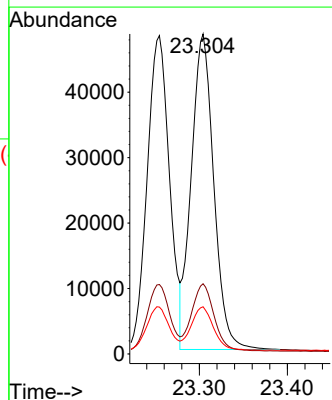
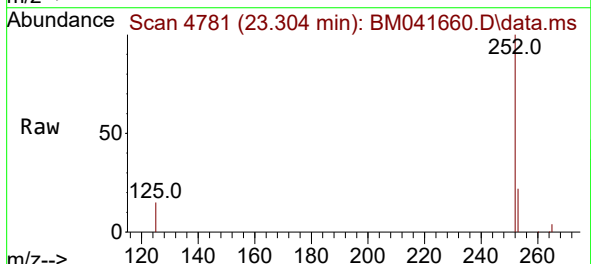
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD3.2020

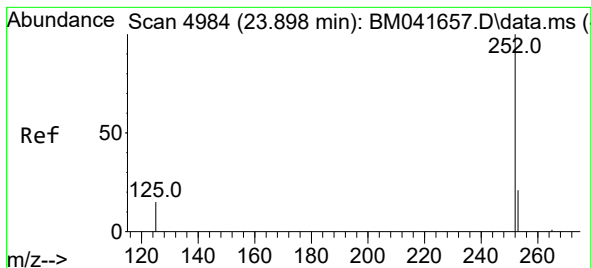
Tgt Ion:252 Resp: 85545  
Ion Ratio Lower Upper  
252 100  
253 21.8 0.0 52.4  
125 14.7 0.0 42.8



#25  
Benzo(k)fluoranthene  
Concen: 3.605 ng/ul  
RT: 23.304 min Scan# 4781  
Delta R.T. -0.000 min  
Lab File: BM041660.D  
Acq: 05 Sep 2023 19:34

Tgt Ion:252 Resp: 85896  
Ion Ratio Lower Upper  
252 100  
253 22.0 21.3 31.9  
125 14.7 17.4 26.0#





#26

Benzo(a)pyrene

Concen: 3.221 ng/ul

RT: 23.898 min Scan# 4984

Delta R.T. -0.000 min

Lab File: BM041660.D

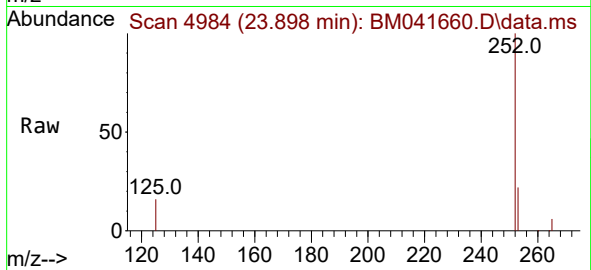
Acq: 05 Sep 2023 19:34

Instrument :

BNA\_M

ClientSampleId :

SSTD3.2020



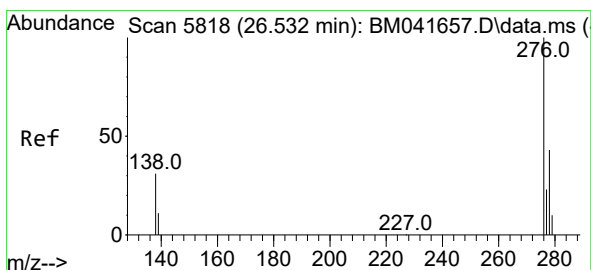
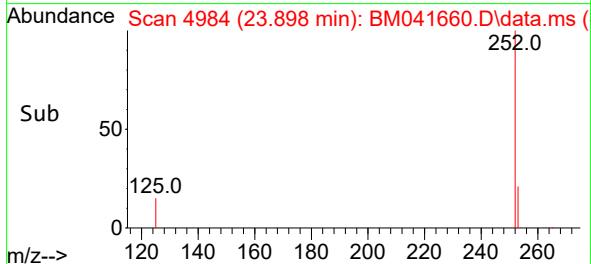
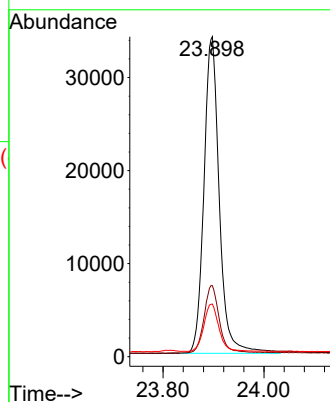
Tgt Ion:252 Resp: 71971

Ion Ratio Lower Upper

252 100

253 22.2 22.4 33.6#

125 16.5 21.0 31.4#



#27

Indeno(1,2,3-cd)pyrene

Concen: 3.305 ng/ul

RT: 26.532 min Scan# 5818

Delta R.T. -0.000 min

Lab File: BM041660.D

Acq: 05 Sep 2023 19:34

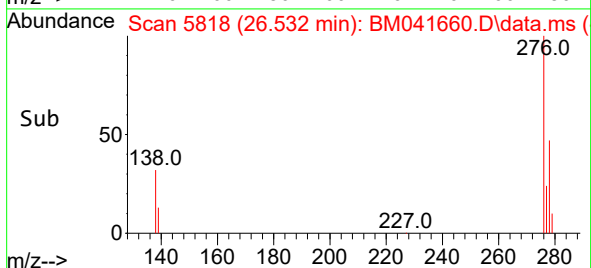
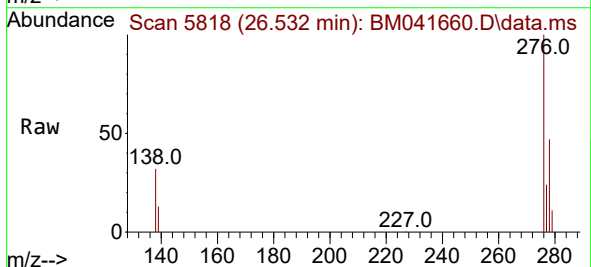
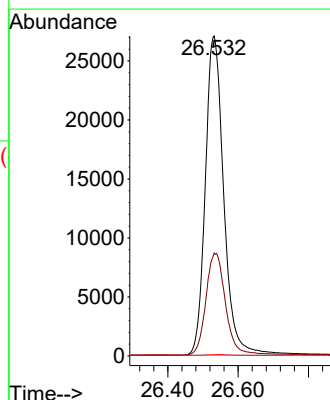
Tgt Ion:276 Resp: 98637

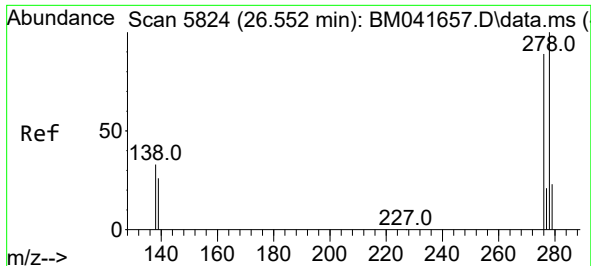
Ion Ratio Lower Upper

276 100

138 33.8 26.4 39.6

227 0.2 0.1 0.1#

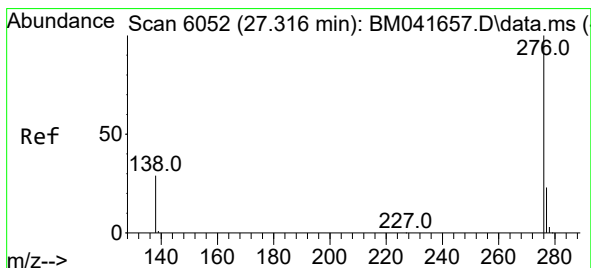
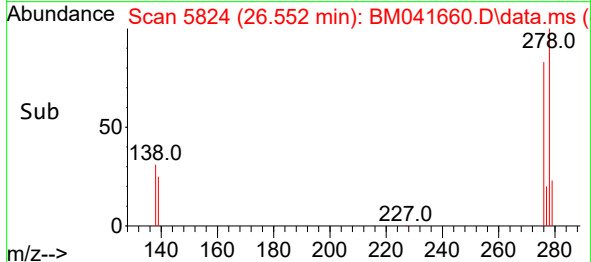
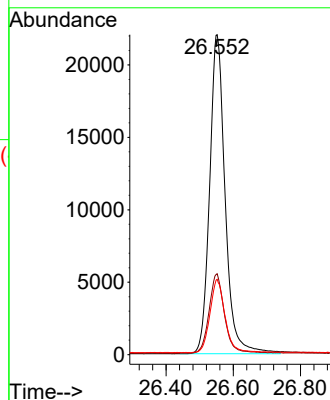
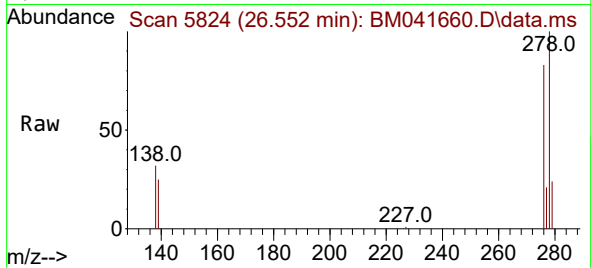




#28  
Dibenzo(a,h)anthracene  
Concen: 3.514 ng/ul  
RT: 26.552 min Scan# 5824  
Delta R.T. -0.000 min  
Lab File: BM041660.D  
Acq: 05 Sep 2023 19:34

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD3.2020

Tgt Ion:278 Resp: 70558  
Ion Ratio Lower Upper  
278 100  
139 25.3 23.0 34.6  
279 23.5 22.9 34.3



#29  
Benzo(g,h,i)perylene  
Concen: 3.327 ng/ul  
RT: 27.316 min Scan# 6052  
Delta R.T. -0.000 min  
Lab File: BM041660.D  
Acq: 05 Sep 2023 19:34

Tgt Ion:276 Resp: 83308  
Ion Ratio Lower Upper  
276 100  
138 28.8 25.0 37.4  
277 22.9 20.2 30.2

