

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061423\  
 Data File : BM040237.D  
 Acq On : 14 Jun 2023 13:54  
 Operator : MA/JU  
 Sample : SST0.484  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SST0.4017

Quant Time: Jun 15 00:21:08 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061423.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 15 00:19:21 2023  
 Response via : Initial Calibration

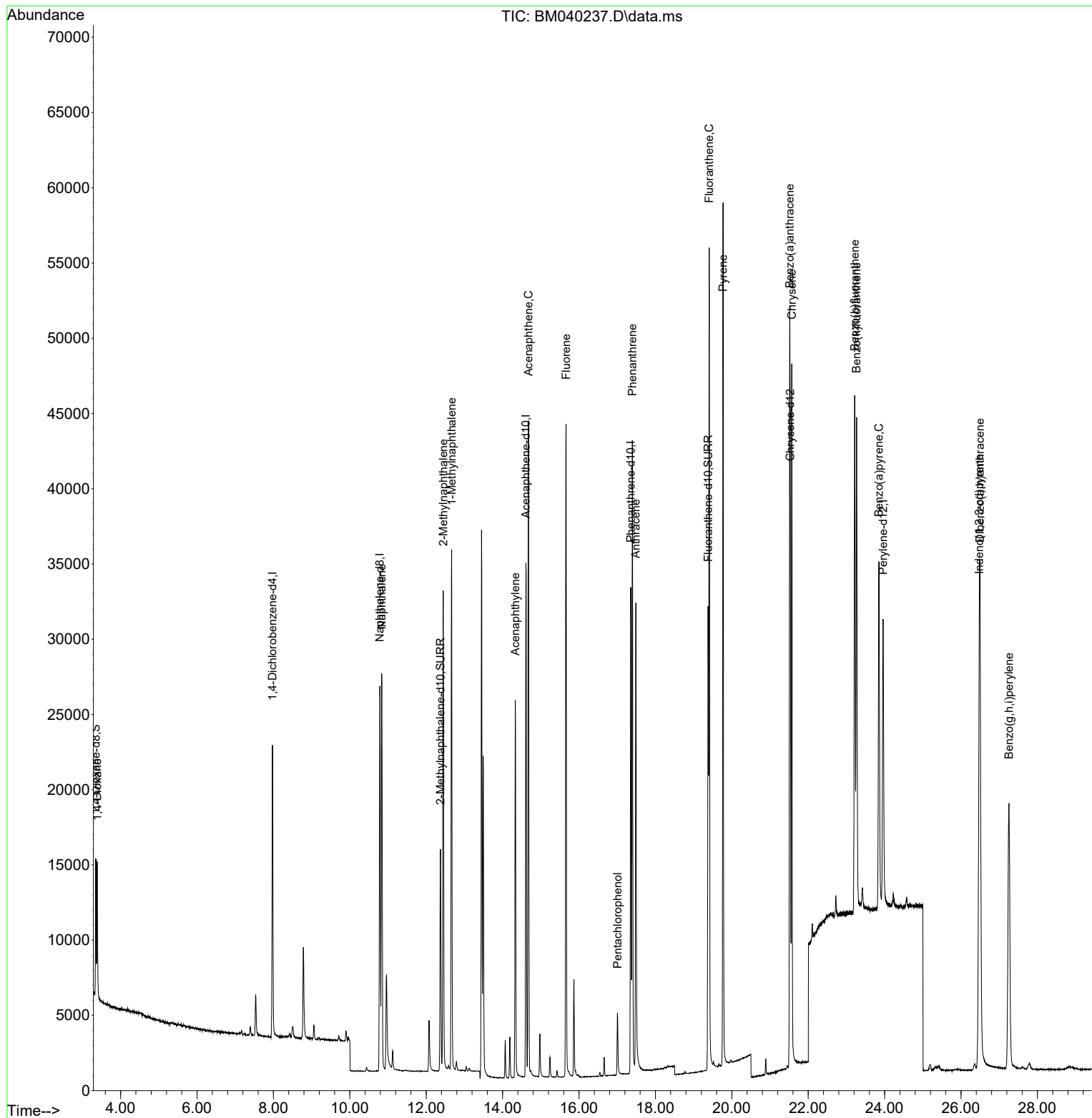
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.974  | 152  | 10168    | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.784 | 136  | 35195    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.609 | 164  | 18482    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.353 | 188  | 37379    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.532 | 240  | 28589    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.961 | 264  | 28169    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.350  | 96   | 5433     | 0.431 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.373 | 152  | 19623    | 0.439 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.380 | 212  | 33755    | 0.473 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.388  | 88   | 5738     | 0.435 | ng/ul  | 100      |
| 5) Naphthalene              | 10.833 | 128  | 36787    | 0.441 | ng/ul  | 100      |
| 7) 2-Methylnaphthalene      | 12.444 | 142  | 22687    | 0.438 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.664 | 142  | 23838    | 0.439 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.332 | 152  | 28671    | 0.443 | ng/ul  | 100      |
| 11) Acenaphthene            | 14.674 | 153  | 24911    | 0.450 | ng/ul  | 100      |
| 12) Fluorene                | 15.660 | 166  | 27995    | 0.453 | ng/ul  | 100      |
| 14) Pentachlorophenol       | 17.007 | 266  | 3142     | 0.412 | ng/ul  | 100      |
| 15) Phenanthrene            | 17.396 | 178  | 43433    | 0.442 | ng/ul  | 100      |
| 16) Anthracene              | 17.488 | 178  | 36046    | 0.433 | ng/ul  | 100      |
| 19) Fluoranthene            | 19.407 | 202  | 45439    | 0.466 | ng/ul  | 100      |
| 20) Pyrene                  | 19.770 | 202  | 47118    | 0.466 | ng/ul  | 100      |
| 21) Benzo(a)anthracene      | 21.515 | 228  | 39399    | 0.467 | ng/ul  | 100      |
| 22) Chrysene                | 21.570 | 228  | 41713    | 0.468 | ng/ul  | 100      |
| 24) Benzo(b)fluoranthene    | 23.216 | 252  | 45531    | 0.439 | ng/ul  | 100      |
| 25) Benzo(k)fluoranthene    | 23.266 | 252  | 43387    | 0.444 | ng/ul  | 100      |
| 26) Benzo(a)pyrene          | 23.850 | 252  | 36706    | 0.431 | ng/ul  | 100      |
| 27) Indeno(1,2,3-cd)pyrene  | 26.477 | 276  | 47431    | 0.440 | ng/ul# | 100      |
| 28) Dibenzo(a,h)anthracene  | 26.498 | 278  | 38213    | 0.442 | ng/ul  | 100      |
| 29) Benzo(g,h,i)perylene    | 27.255 | 276  | 40428    | 0.449 | ng/ul  | 100      |

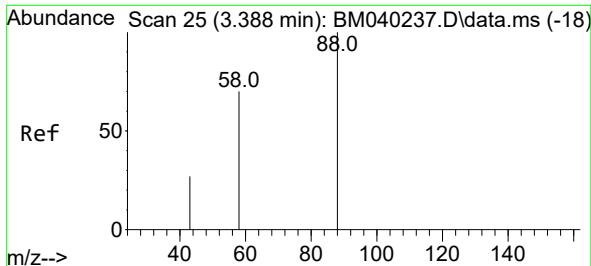
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061423\  
Data File : BM040237.D  
Acq On : 14 Jun 2023 13:54  
Operator : MA/JU  
Sample : SST0.484  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4017

Quant Time: Jun 15 00:21:08 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061423.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 15 00:19:21 2023  
Response via : Initial Calibration

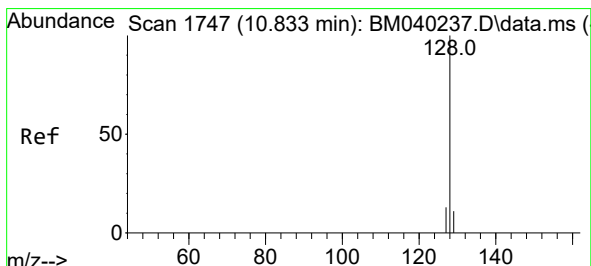
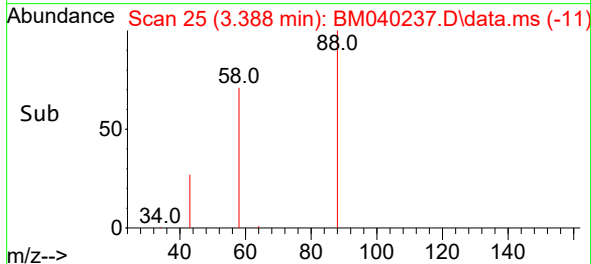
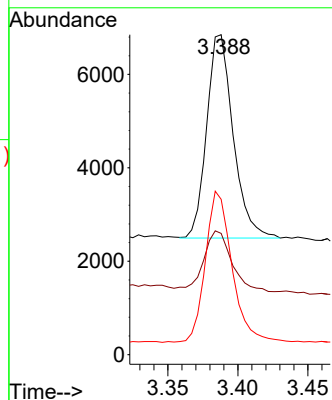
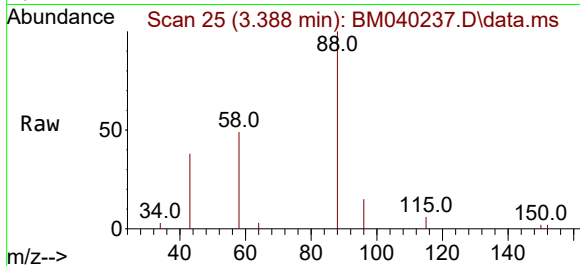




#2  
1,4-Dioxane  
Concen: 0.435 ng/ul  
RT: 3.388 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM040237.D  
Acq: 14 Jun 2023 13:54

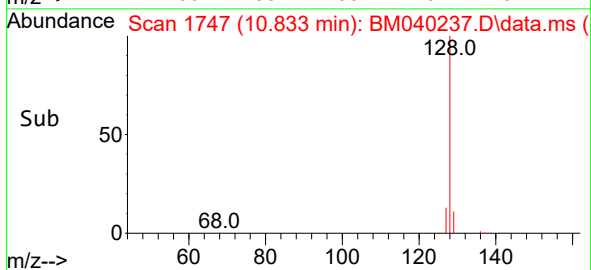
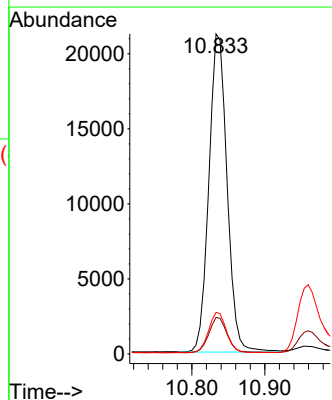
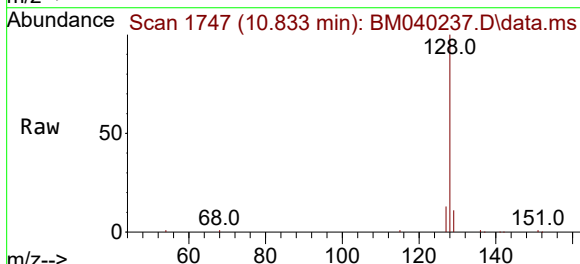
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4017

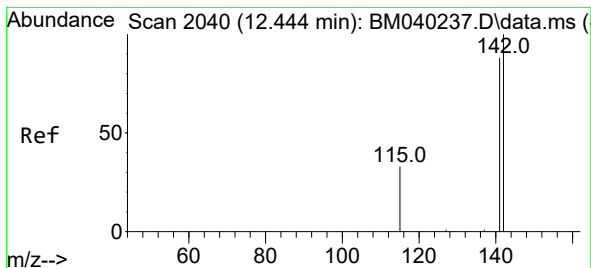
Tgt Ion: 88 Resp: 5738  
Ion Ratio Lower Upper  
88 100  
43 37.9 30.3 45.5  
58 48.5 38.8 58.2



#5  
Naphthalene  
Concen: 0.441 ng/ul  
RT: 10.833 min Scan# 1747  
Delta R.T. 0.000 min  
Lab File: BM040237.D  
Acq: 14 Jun 2023 13:54

Tgt Ion: 128 Resp: 36787  
Ion Ratio Lower Upper  
128 100  
129 11.4 9.1 13.7  
127 13.0 10.4 15.6

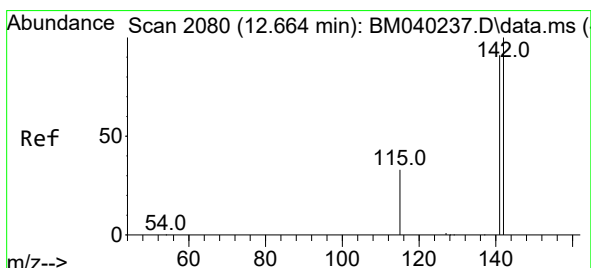
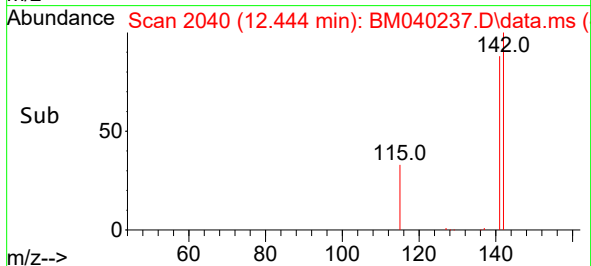
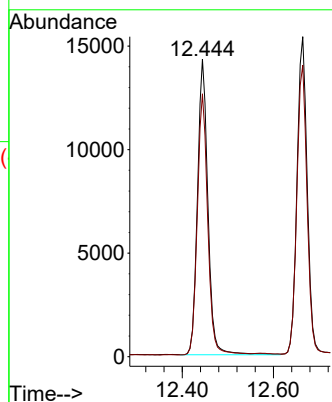
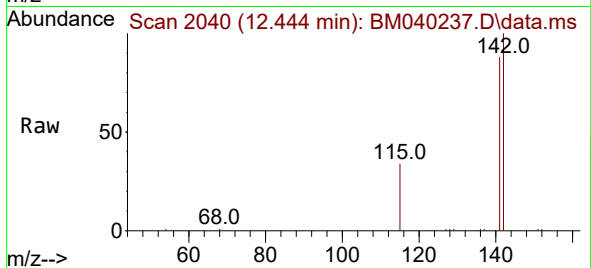




#7  
2-Methylnaphthalene  
Concen: 0.438 ng/ul  
RT: 12.444 min Scan# 2040  
Delta R.T. 0.000 min  
Lab File: BM040237.D  
Acq: 14 Jun 2023 13:54

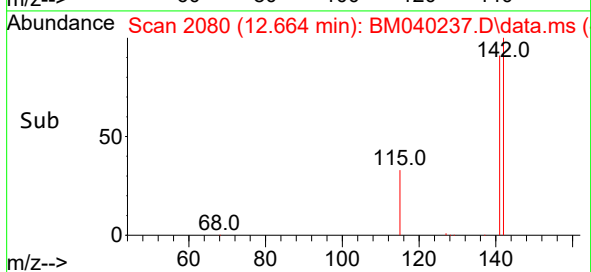
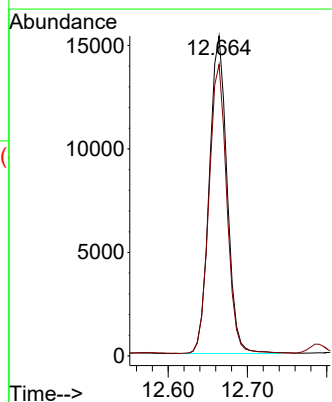
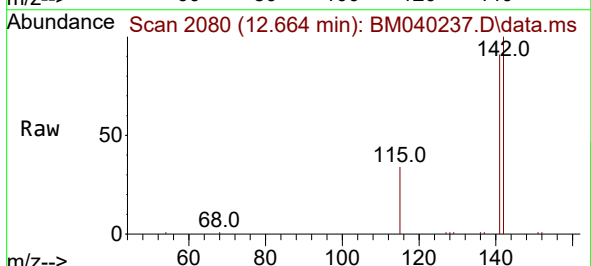
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4017

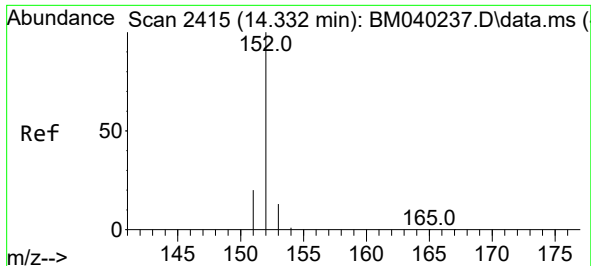
Tgt Ion:142 Resp: 22687  
Ion Ratio Lower Upper  
142 100  
141 88.3 70.6 106.0



#8  
1-Methylnaphthalene  
Concen: 0.439 ng/ul  
RT: 12.664 min Scan# 2080  
Delta R.T. 0.000 min  
Lab File: BM040237.D  
Acq: 14 Jun 2023 13:54

Tgt Ion:142 Resp: 23838  
Ion Ratio Lower Upper  
142 100  
141 91.2 73.0 109.4

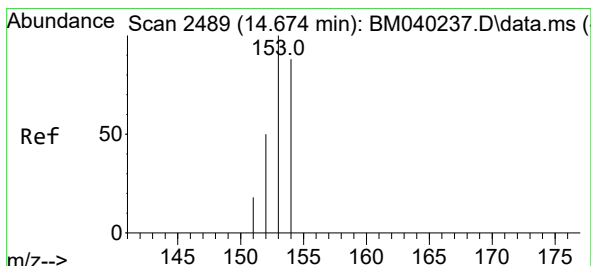
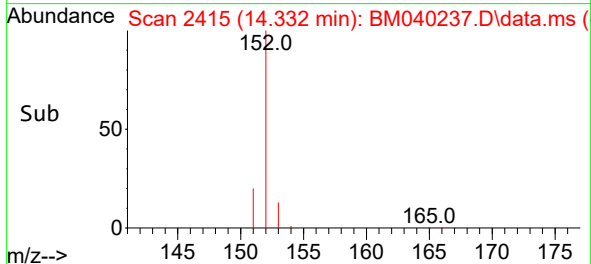
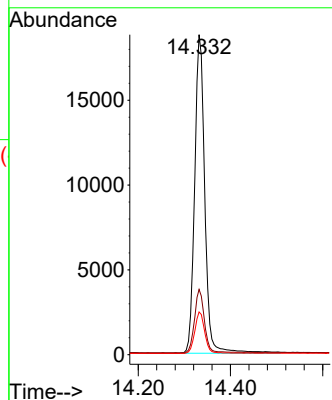
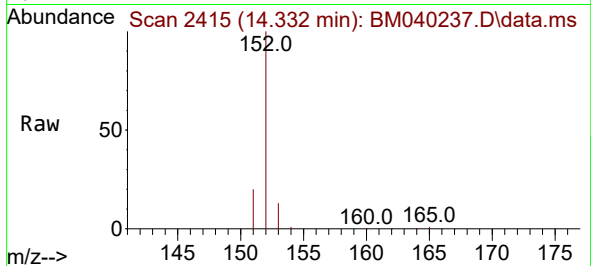




#10  
Acenaphthylene  
Concen: 0.443 ng/ul  
RT: 14.332 min Scan# 2415  
Delta R.T. 0.000 min  
Lab File: BM040237.D  
Acq: 14 Jun 2023 13:54

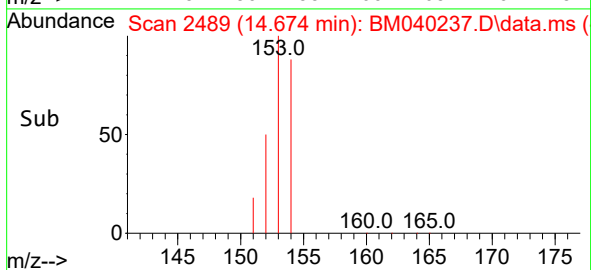
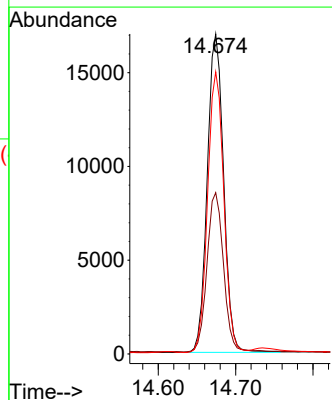
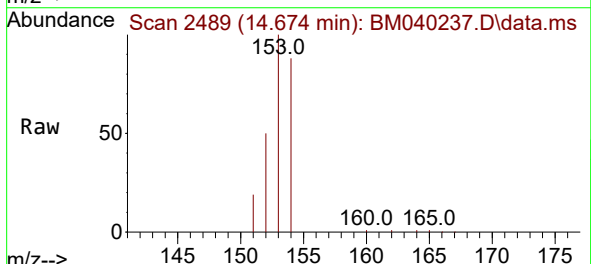
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4017

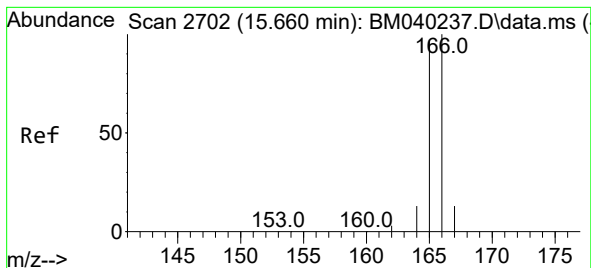
Tgt Ion:152 Resp: 28671  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.3 24.5  
153 13.4 10.7 16.1



#11  
Acenaphthene  
Concen: 0.450 ng/ul  
RT: 14.674 min Scan# 2489  
Delta R.T. 0.000 min  
Lab File: BM040237.D  
Acq: 14 Jun 2023 13:54

Tgt Ion:153 Resp: 24911  
Ion Ratio Lower Upper  
153 100  
152 50.4 40.3 60.5  
154 88.1 70.5 105.7





#12

Fluorene

Concen: 0.453 ng/ul

RT: 15.660 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM040237.D

Acq: 14 Jun 2023 13:54

Instrument :

BNA\_M

ClientSampleId :

SSTD0.4017

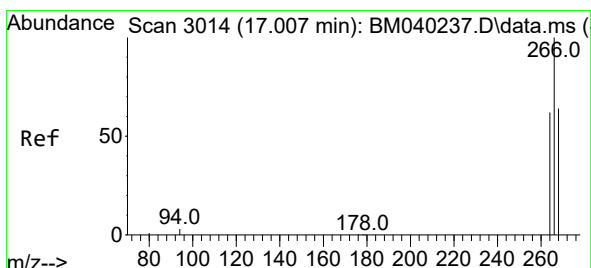
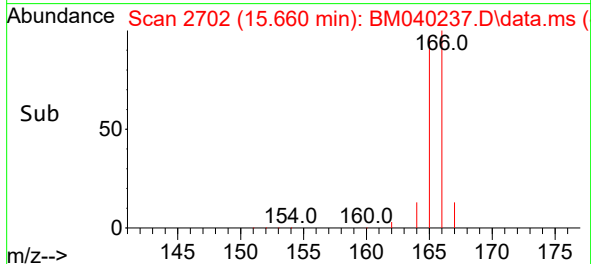
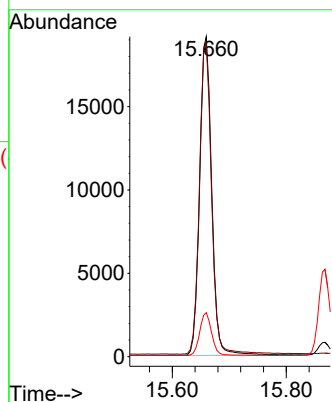
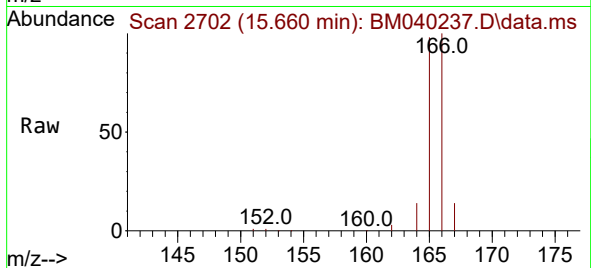
Tgt Ion:166 Resp: 27995

Ion Ratio Lower Upper

166 100

165 97.8 78.2 117.4

167 13.7 11.0 16.4



#14

Pentachlorophenol

Concen: 0.412 ng/ul

RT: 17.007 min Scan# 3014

Delta R.T. 0.000 min

Lab File: BM040237.D

Acq: 14 Jun 2023 13:54

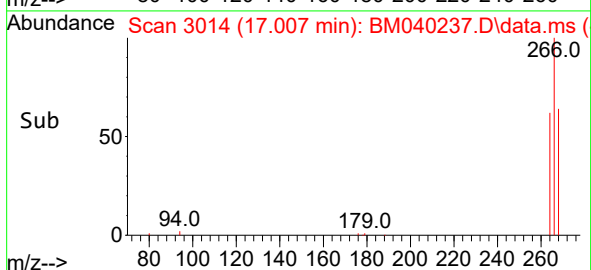
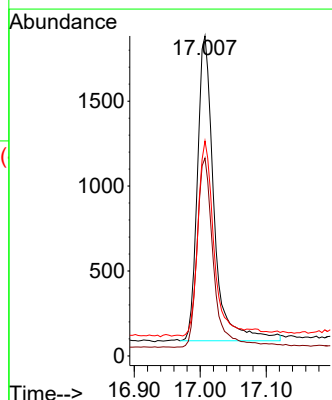
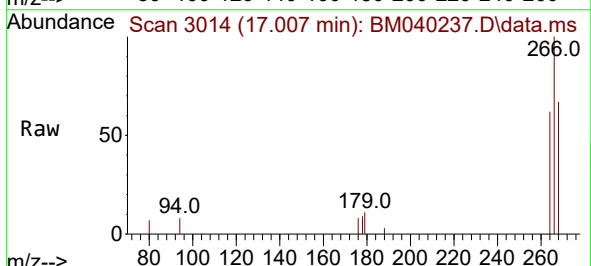
Tgt Ion:266 Resp: 3142

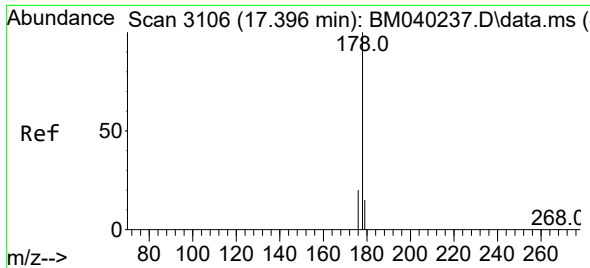
Ion Ratio Lower Upper

266 100

264 61.7 49.4 74.0

268 64.1 51.3 76.9

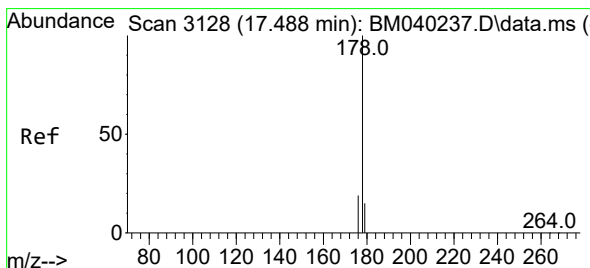
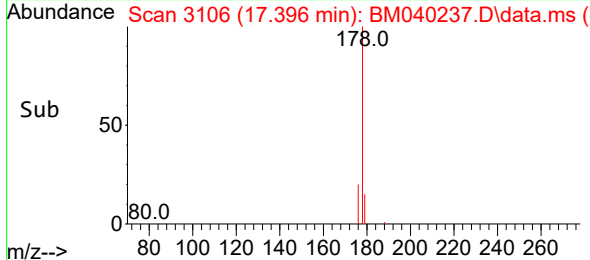
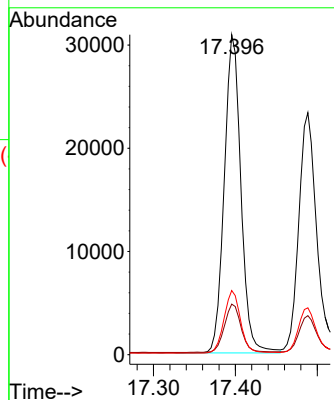
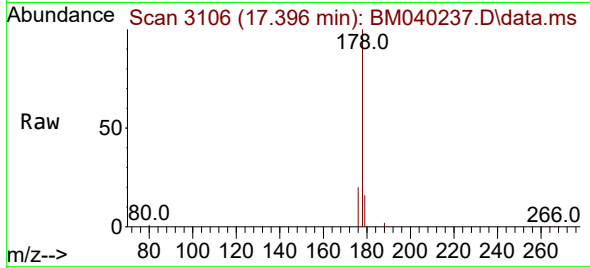




#15  
Phenanthrene  
Concen: 0.442 ng/ul  
RT: 17.396 min Scan# 3106  
Delta R.T. 0.000 min  
Lab File: BM040237.D  
Acq: 14 Jun 2023 13:54

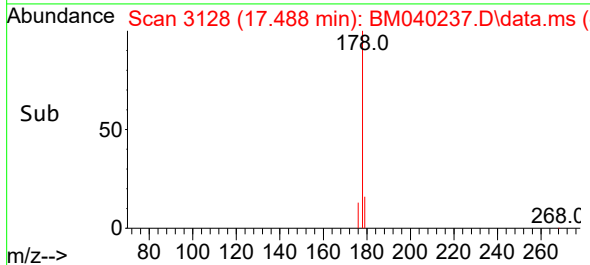
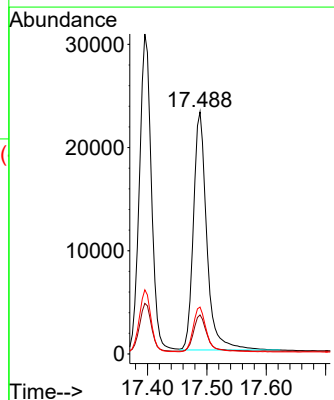
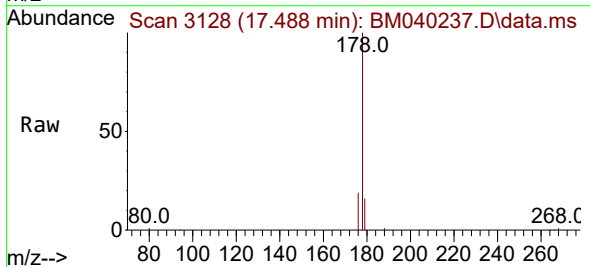
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4017

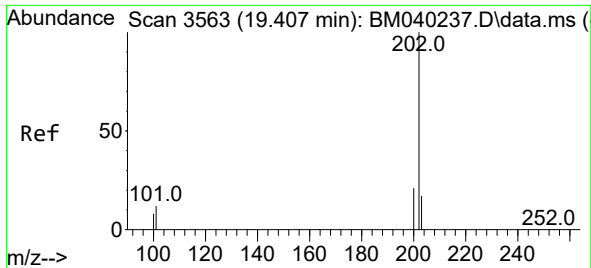
Tgt Ion:178 Resp: 43433  
Ion Ratio Lower Upper  
178 100  
179 15.8 12.6 19.0  
176 20.1 16.1 24.1



#16  
Anthracene  
Concen: 0.433 ng/ul  
RT: 17.488 min Scan# 3128  
Delta R.T. 0.000 min  
Lab File: BM040237.D  
Acq: 14 Jun 2023 13:54

Tgt Ion:178 Resp: 36046  
Ion Ratio Lower Upper  
178 100  
179 16.2 13.0 19.4  
176 19.4 15.5 23.3

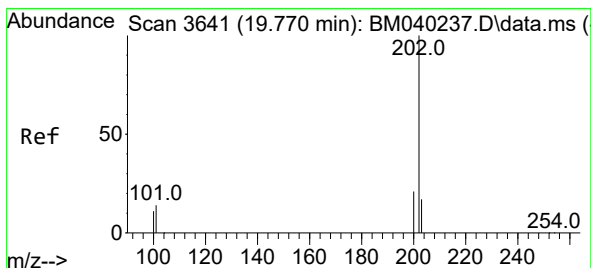
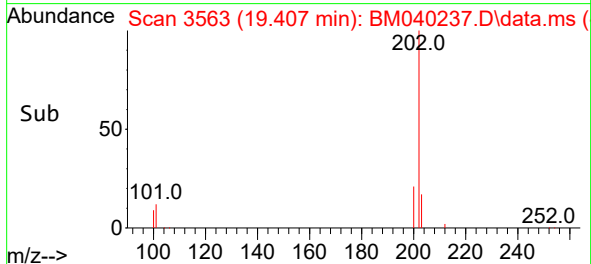
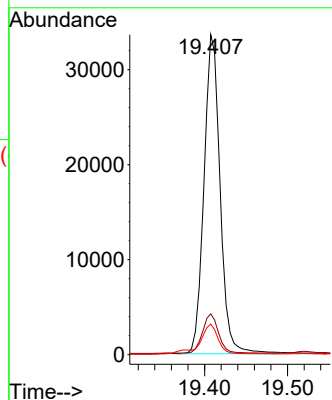
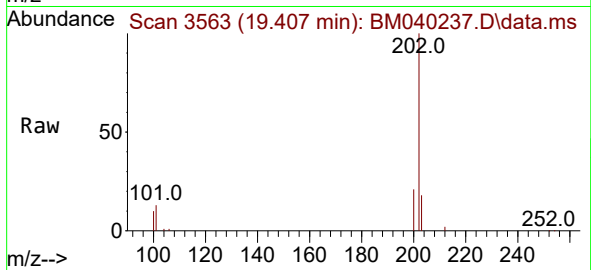




#19  
Fluoranthene  
Concen: 0.466 ng/ul  
RT: 19.407 min Scan# 3563  
Delta R.T. 0.000 min  
Lab File: BM040237.D  
Acq: 14 Jun 2023 13:54

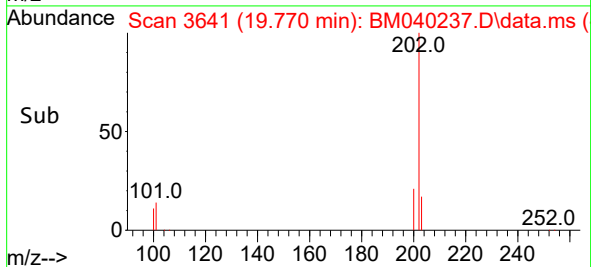
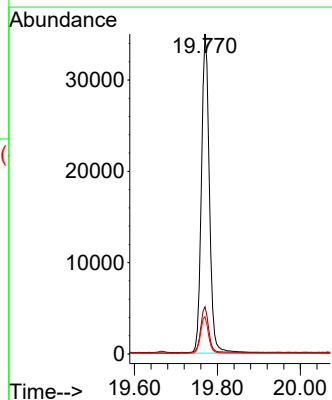
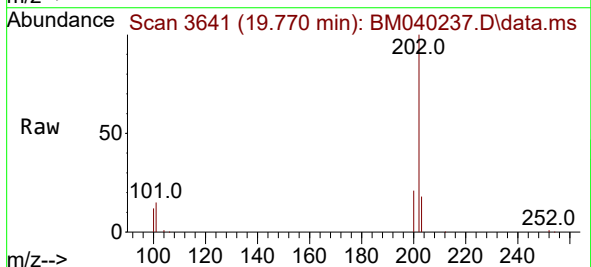
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4017

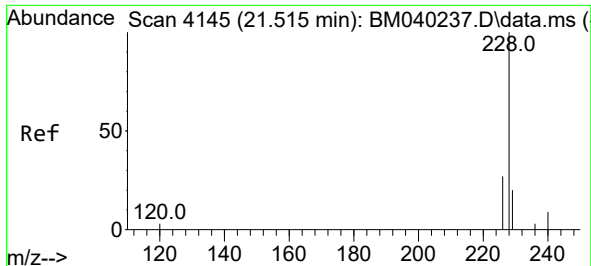
Tgt Ion:202 Resp: 45439  
Ion Ratio Lower Upper  
202 100  
101 12.8 10.2 15.4  
100 9.5 7.6 11.4



#20  
Pyrene  
Concen: 0.466 ng/ul  
RT: 19.770 min Scan# 3641  
Delta R.T. 0.000 min  
Lab File: BM040237.D  
Acq: 14 Jun 2023 13:54

Tgt Ion:202 Resp: 47118  
Ion Ratio Lower Upper  
202 100  
101 14.8 11.8 17.8  
100 11.6 9.3 13.9

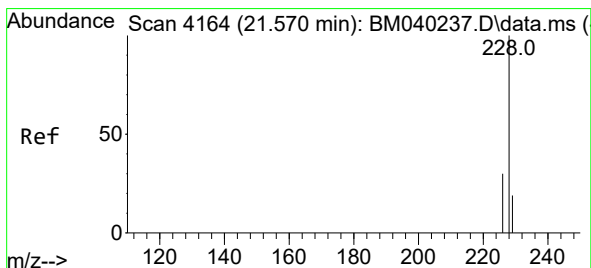
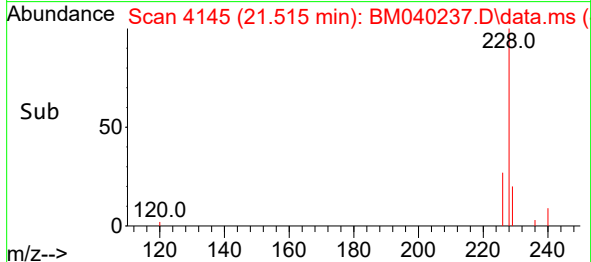
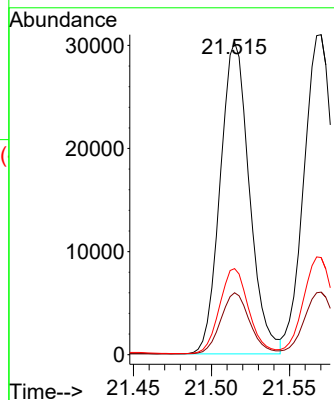
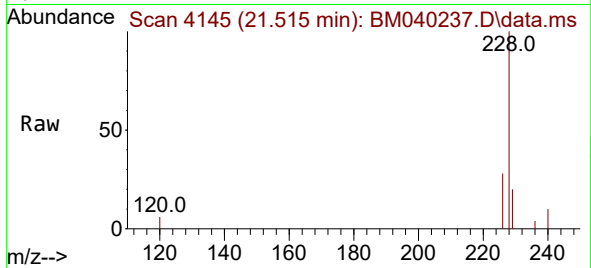




#21  
Benzo(a)anthracene  
Concen: 0.467 ng/ul  
RT: 21.515 min Scan# 4145  
Delta R.T. 0.000 min  
Lab File: BM040237.D  
Acq: 14 Jun 2023 13:54

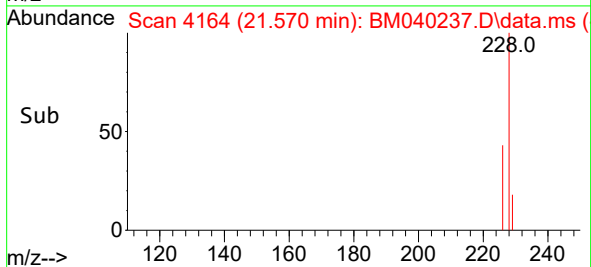
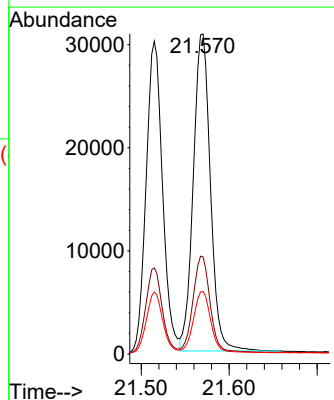
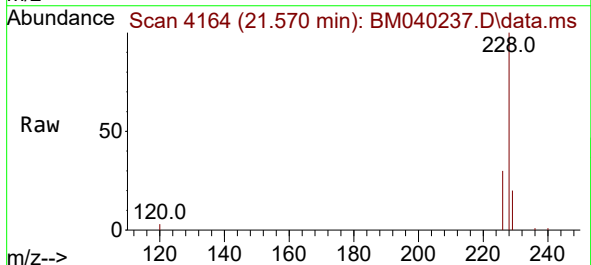
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4017

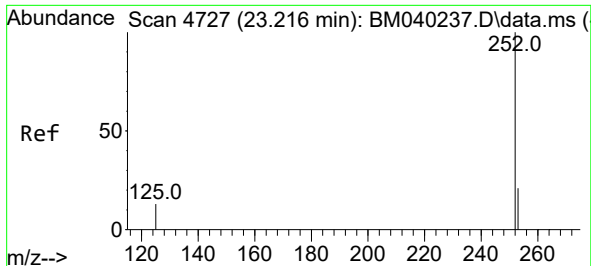
Tgt Ion:228 Resp: 39399  
Ion Ratio Lower Upper  
228 100  
229 19.8 15.8 23.8  
226 27.5 22.0 33.0



#22  
Chrysene  
Concen: 0.468 ng/ul  
RT: 21.570 min Scan# 4164  
Delta R.T. 0.000 min  
Lab File: BM040237.D  
Acq: 14 Jun 2023 13:54

Tgt Ion:228 Resp: 41713  
Ion Ratio Lower Upper  
228 100  
226 30.4 24.3 36.5  
229 19.6 15.7 23.5

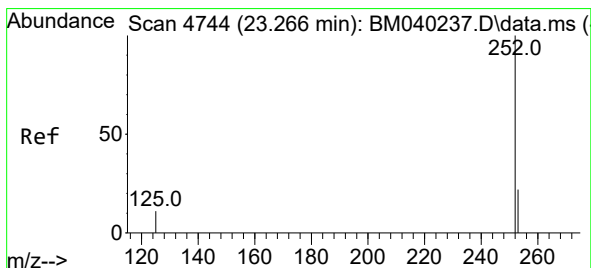
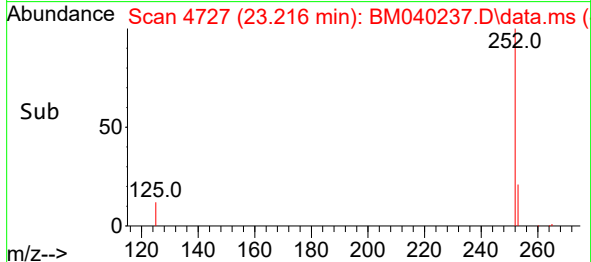
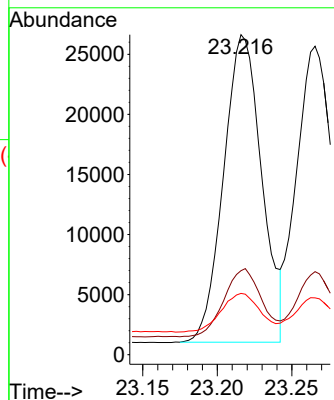
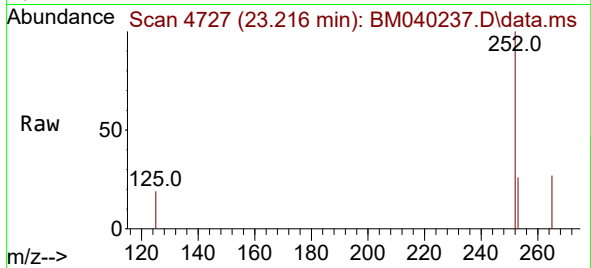




#24  
Benzo(b)fluoranthene  
Concen: 0.439 ng/ul  
RT: 23.216 min Scan# 4727  
Delta R.T. 0.000 min  
Lab File: BM040237.D  
Acq: 14 Jun 2023 13:54

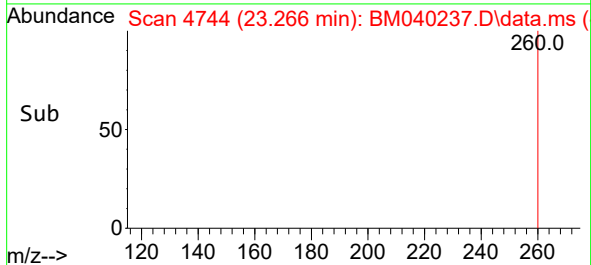
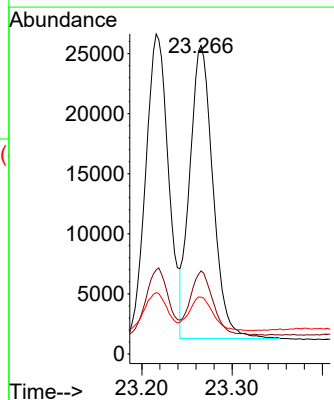
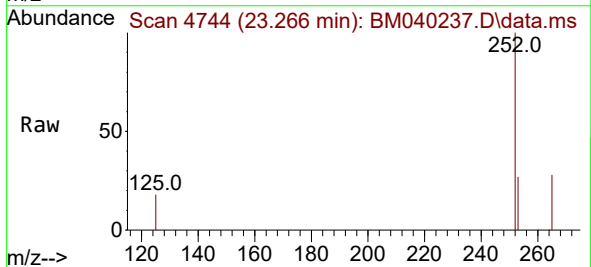
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4017

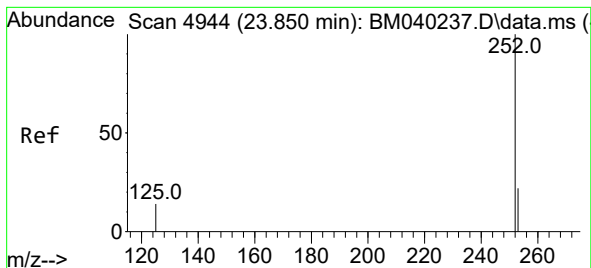
Tgt Ion:252 Resp: 45531  
Ion Ratio Lower Upper  
252 100  
253 26.2 0.0 52.4  
125 19.2 0.0 38.4



#25  
Benzo(k)fluoranthene  
Concen: 0.444 ng/ul  
RT: 23.266 min Scan# 4744  
Delta R.T. 0.000 min  
Lab File: BM040237.D  
Acq: 14 Jun 2023 13:54

Tgt Ion:252 Resp: 43387  
Ion Ratio Lower Upper  
252 100  
253 26.9 21.5 32.3  
125 18.4 14.7 22.1





#26

Benzo(a)pyrene

Concen: 0.431 ng/ul

RT: 23.850 min Scan# 4944

Delta R.T. 0.000 min

Lab File: BM040237.D

Acq: 14 Jun 2023 13:54

Instrument :

BNA\_M

ClientSampleId :

SSTD0.4017

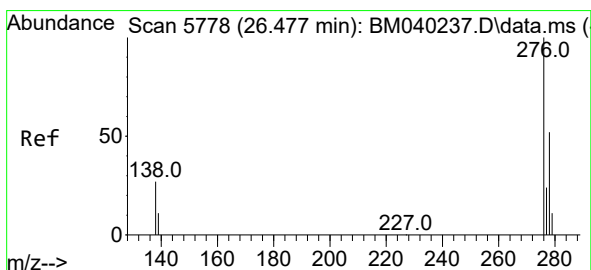
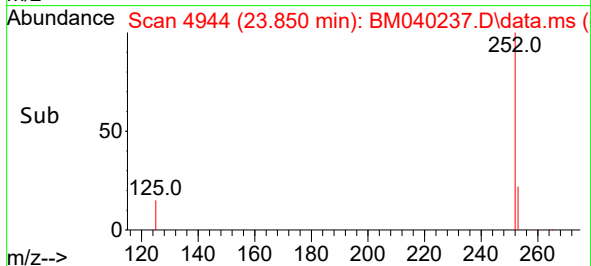
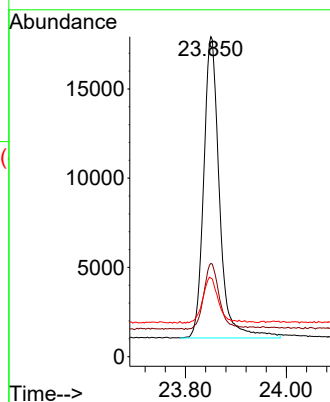
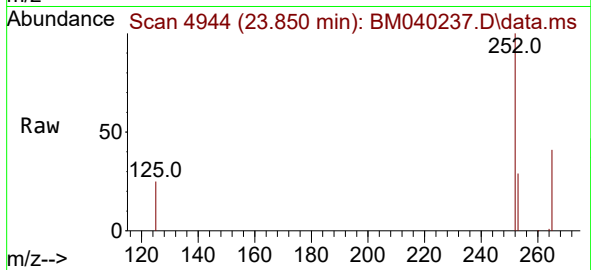
Tgt Ion:252 Resp: 36706

Ion Ratio Lower Upper

252 100

253 29.2 23.4 35.0

125 24.6 19.7 29.5



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.440 ng/ul

RT: 26.477 min Scan# 5778

Delta R.T. 0.000 min

Lab File: BM040237.D

Acq: 14 Jun 2023 13:54

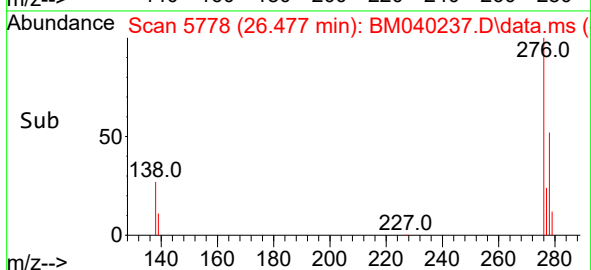
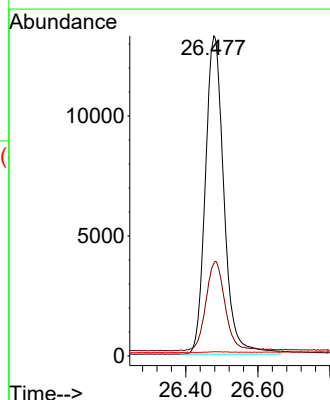
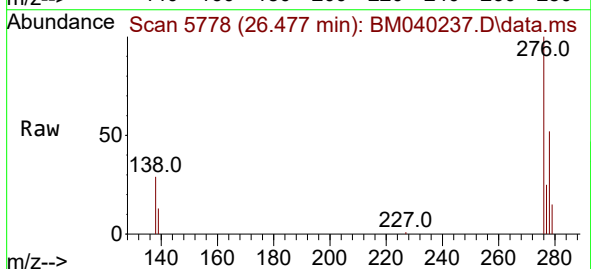
Tgt Ion:276 Resp: 47431

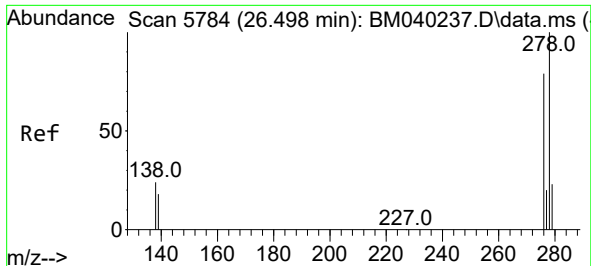
Ion Ratio Lower Upper

276 100

138 29.1 23.3 34.9

227 0.1 0.1 0.1#

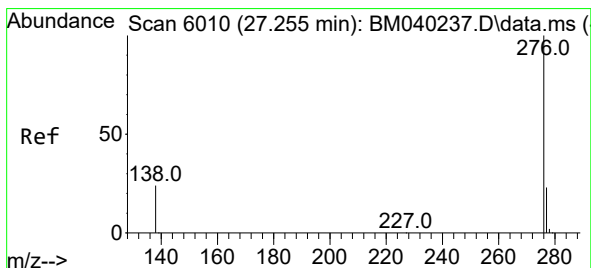
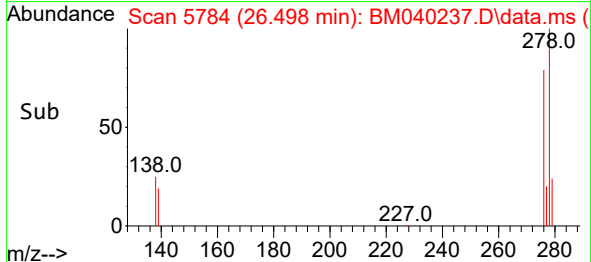
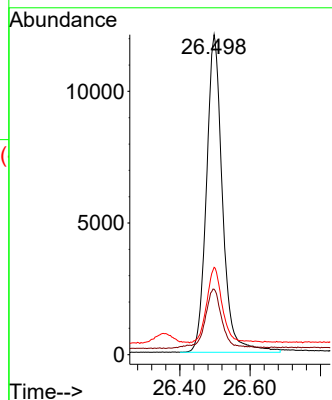
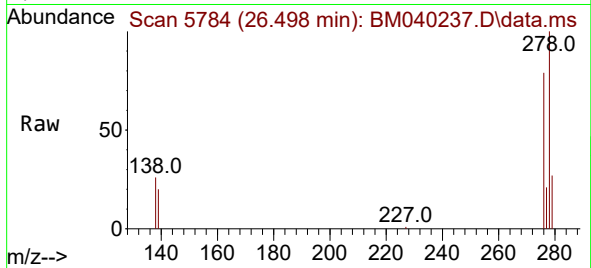




#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.442 ng/ul  
 RT: 26.498 min Scan# 5784  
 Delta R.T. 0.000 min  
 Lab File: BM040237.D  
 Acq: 14 Jun 2023 13:54

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD0.4017

Tgt Ion:278 Resp: 38213  
 Ion Ratio Lower Upper  
 278 100  
 139 20.5 16.4 24.6  
 279 27.3 21.8 32.8



#29  
 Benzo(g,h,i)perylene  
 Concen: 0.449 ng/ul  
 RT: 27.255 min Scan# 6010  
 Delta R.T. 0.000 min  
 Lab File: BM040237.D  
 Acq: 14 Jun 2023 13:54

Tgt Ion:276 Resp: 40428  
 Ion Ratio Lower Upper  
 276 100  
 138 26.2 21.0 31.4  
 277 24.5 19.6 29.4

