

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM100622\  
 Data File : BM036842.D  
 Acq On : 06 Oct 2022 13:58  
 Operator : CG/JU  
 Sample : SST0.268  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SST0.2023

Quant Time: Oct 06 16:14:23 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM100622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 06 16:12:30 2022  
 Response via : Initial Calibration

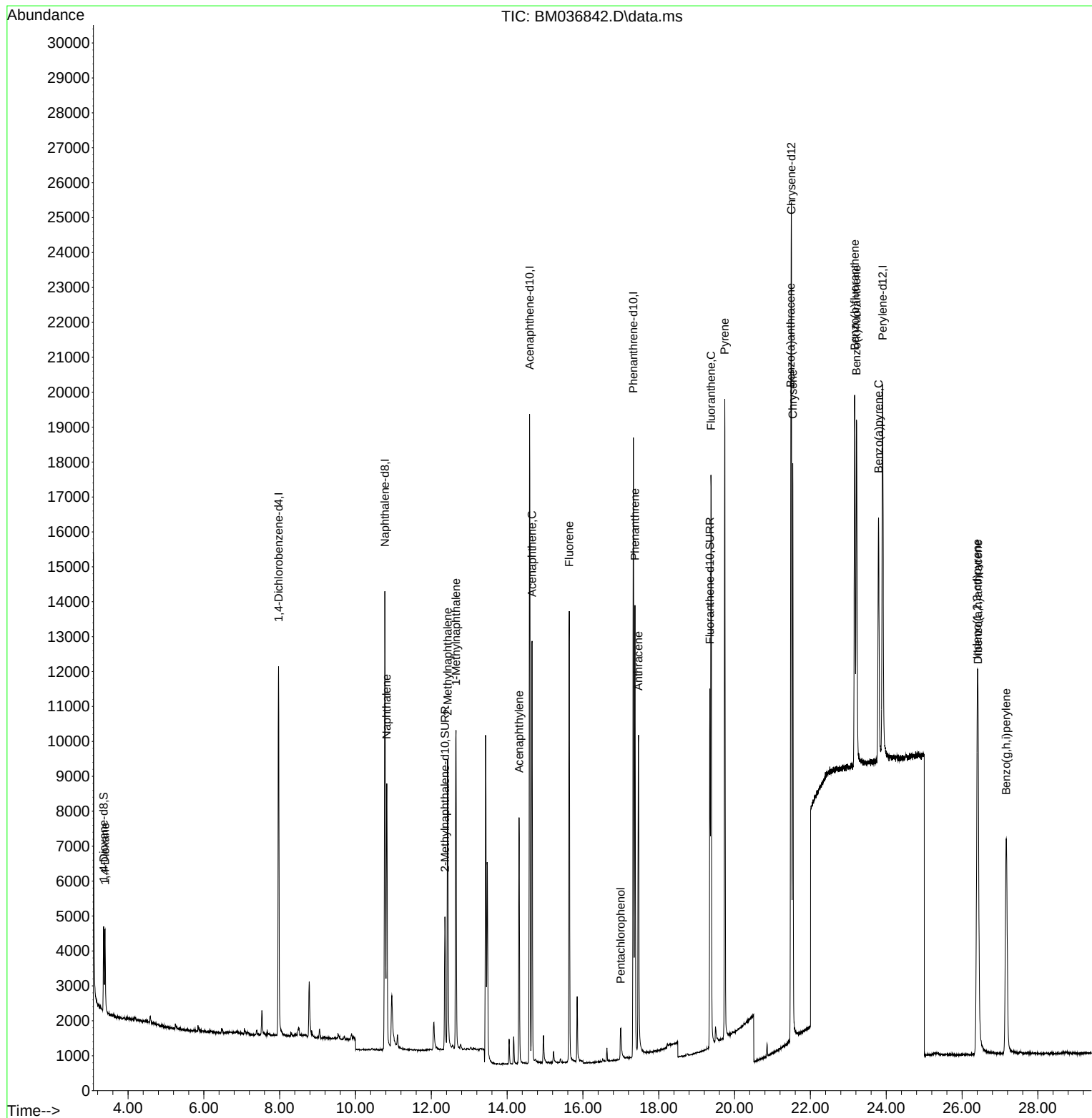
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.972  | 152  | 5721     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.776 | 136  | 18468    | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.594 | 164  | 9988     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.330 | 188  | 20962    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.500 | 240  | 18330    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.905 | 264  | 15984    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.356  | 96   | 1622     | 0.195 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.360 | 152  | 5546     | 0.193 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.350 | 212  | 11058    | 0.194 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 2) 1,4-Dioxane              | 3.394  | 88   | 1547     | 0.196 | ng/ul  | 91       |
| 5) Naphthalene              | 10.825 | 128  | 10617    | 0.210 | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 12.431 | 142  | 6354     | 0.205 | ng/ul  | 95       |
| 8) 1-Methylnaphthalene      | 12.651 | 142  | 6477     | 0.206 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.316 | 152  | 8361     | 0.221 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.658 | 153  | 7185     | 0.214 | ng/ul  | 97       |
| 12) Fluorene                | 15.639 | 166  | 8167     | 0.219 | ng/ul  | 100      |
| 14) Pentachlorophenol       | 16.997 | 266  | 989      | 0.262 | ng/ul  | 98       |
| 15) Phenanthrene            | 17.372 | 178  | 13464    | 0.220 | ng/ul  | 99       |
| 16) Anthracene              | 17.465 | 178  | 11134    | 0.217 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.377 | 202  | 14570    | 0.221 | ng/ul  | 98       |
| 20) Pyrene                  | 19.740 | 202  | 15477    | 0.228 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.482 | 228  | 13294    | 0.240 | ng/ul  | 100      |
| 22) Chrysene                | 21.535 | 228  | 14475    | 0.234 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.169 | 252  | 13989    | 0.220 | ng/ul  | 93       |
| 25) Benzo(k)fluoranthene    | 23.215 | 252  | 13817    | 0.218 | ng/ul# | 94       |
| 26) Benzo(a)pyrene          | 23.797 | 252  | 11160    | 0.214 | ng/ul# | 92       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.400 | 276  | 16060    | 0.260 | ng/ul  | 97       |
| 28) Dibenzo(a,h)anthracene  | 26.423 | 278  | 12943    | 0.244 | ng/ul  | 96       |
| 29) Benzo(g,h,i)perylene    | 27.165 | 276  | 14296    | 0.242 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

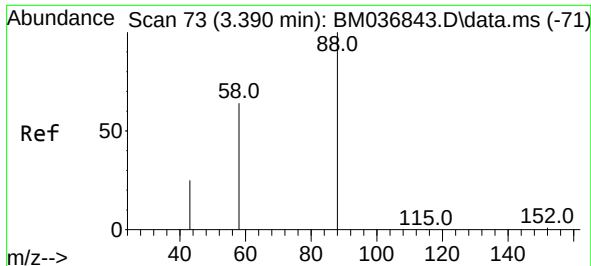
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM100622\  
Data File : BM036842.D  
Acq On : 06 Oct 2022 13:58  
Operator : CG/JU  
Sample : SST0.268  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.2023

Quant Time: Oct 06 16:14:23 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM100622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Oct 06 16:12:30 2022  
Response via : Initial Calibration

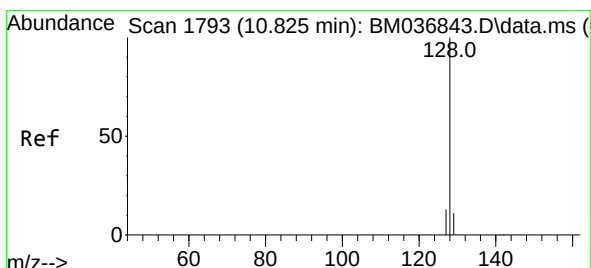
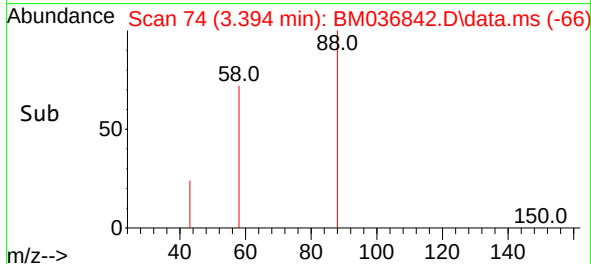
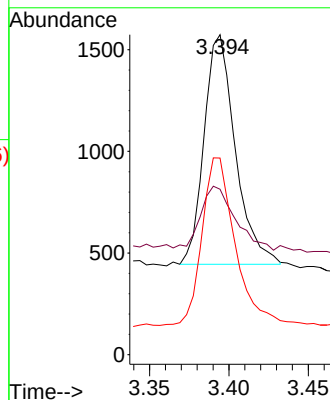
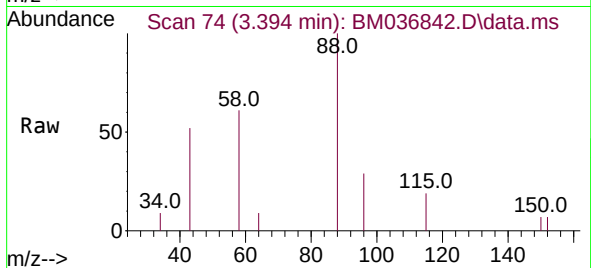




#2  
1,4-Dioxane  
Concen: 0.196 ng/ul  
RT: 3.394 min Scan# 74  
Delta R.T. 0.004 min  
Lab File: BM036842.D  
Acq: 06 Oct 2022 13:58

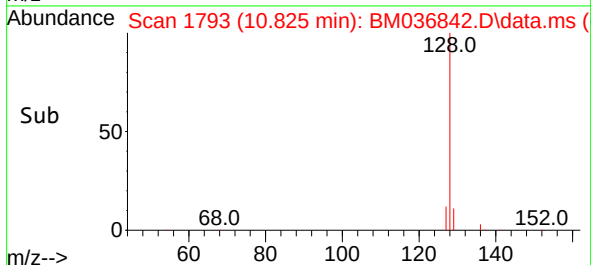
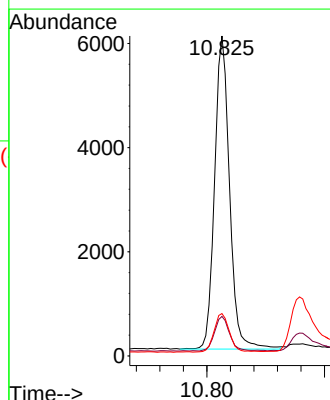
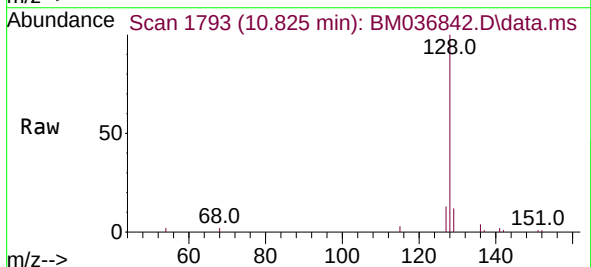
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.2023

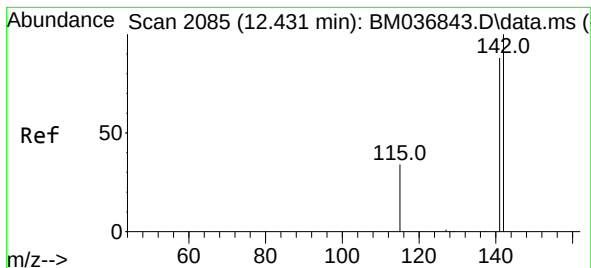
Tgt Ion: 88 Resp: 1547  
Ion Ratio Lower Upper  
88 100  
43 51.7 37.8 56.6  
58 61.4 42.6 63.8



#5  
Naphthalene  
Concen: 0.210 ng/ul  
RT: 10.825 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: BM036842.D  
Acq: 06 Oct 2022 13:58

Tgt Ion: 128 Resp: 10617  
Ion Ratio Lower Upper  
128 100  
129 12.3 10.2 15.2  
127 13.3 11.7 17.5

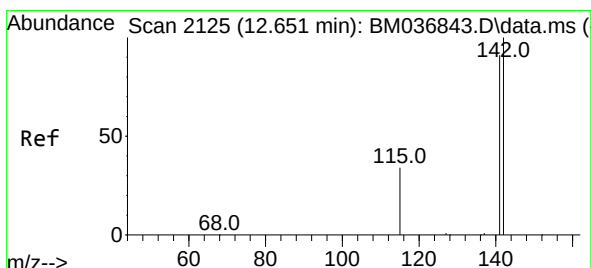
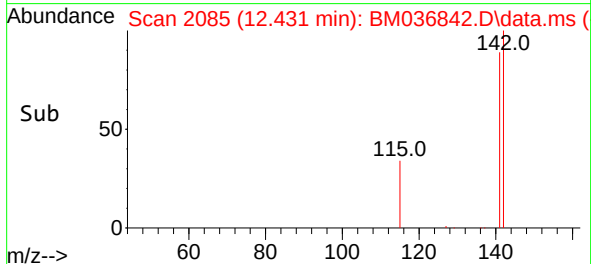
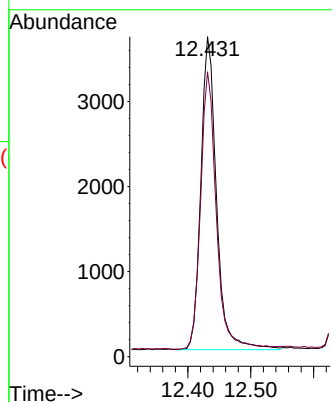
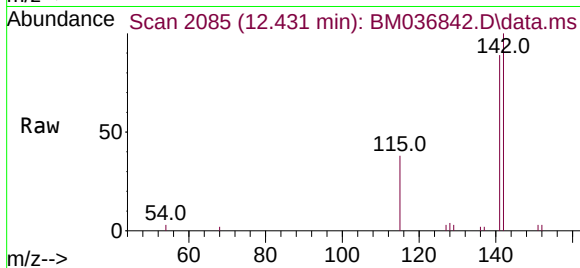




#7  
2-Methylnaphthalene  
Concen: 0.205 ng/ul  
RT: 12.431 min Scan# 2085  
Delta R.T. -0.000 min  
Lab File: BM036842.D  
Acq: 06 Oct 2022 13:58

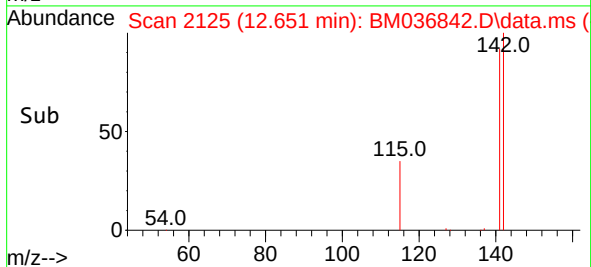
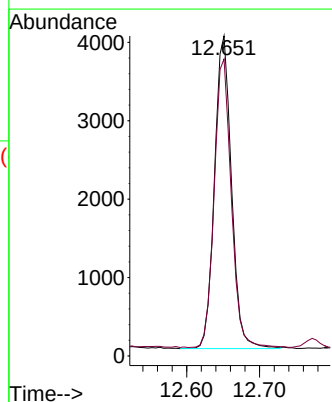
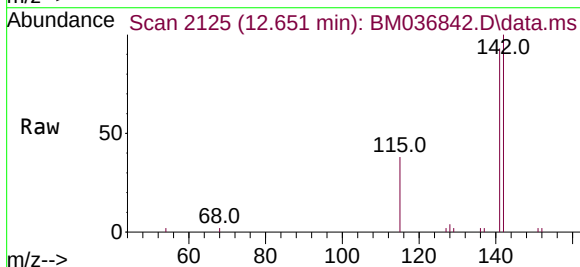
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.2023

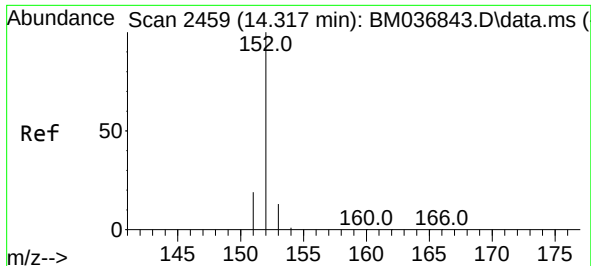
Tgt Ion:142 Resp: 6354  
Ion Ratio Lower Upper  
142 100  
141 91.3 77.4 116.0



#8  
1-Methylnaphthalene  
Concen: 0.206 ng/ul  
RT: 12.651 min Scan# 2125  
Delta R.T. -0.000 min  
Lab File: BM036842.D  
Acq: 06 Oct 2022 13:58

Tgt Ion:142 Resp: 6477  
Ion Ratio Lower Upper  
142 100  
141 92.2 74.1 111.1

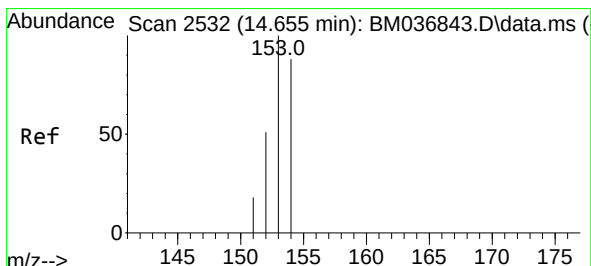
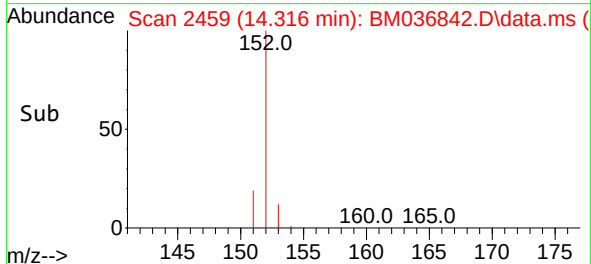
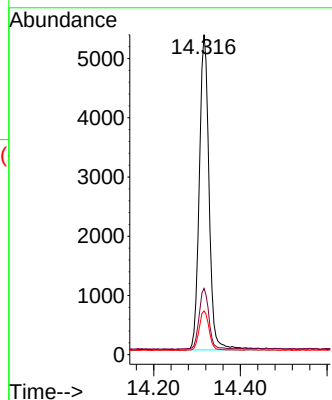
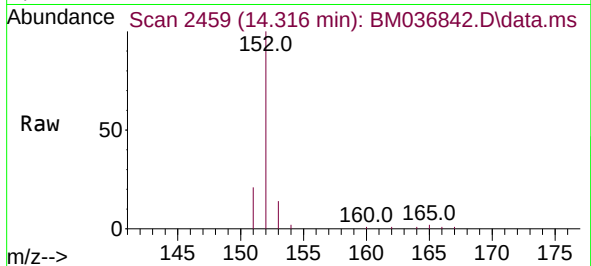




#10  
Acenaphthylene  
Concen: 0.221 ng/ul  
RT: 14.316 min Scan# 2459  
Delta R.T. -0.001 min  
Lab File: BM036842.D  
Acq: 06 Oct 2022 13:58

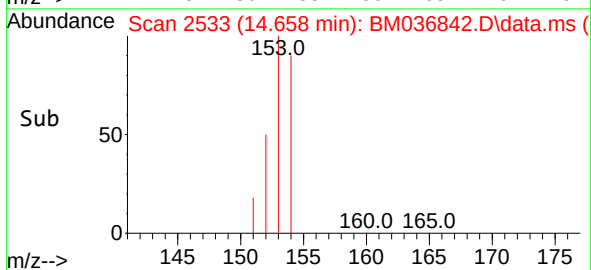
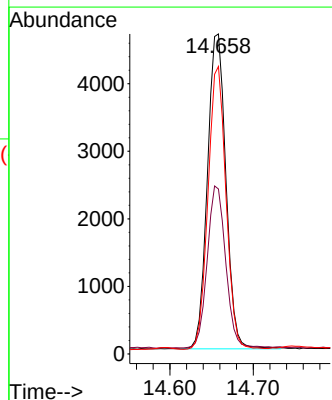
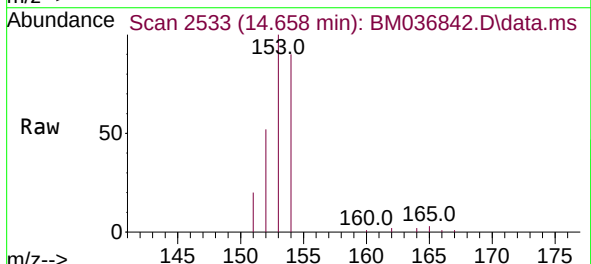
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.2023

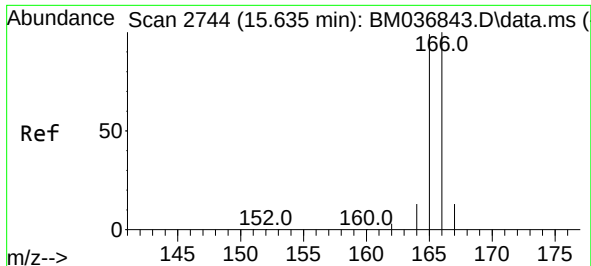
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 152   | Resp: | 8361 |
| Ion Ratio | Lower | Upper |      |
| 152       | 100   |       |      |
| 151       | 20.7  | 16.6  | 24.8 |
| 153       | 13.7  | 11.4  | 17.0 |



#11  
Acenaphthene  
Concen: 0.214 ng/ul  
RT: 14.658 min Scan# 2533  
Delta R.T. 0.004 min  
Lab File: BM036842.D  
Acq: 06 Oct 2022 13:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 153   | Resp: | 7185  |
| Ion Ratio | Lower | Upper |       |
| 153       | 100   |       |       |
| 152       | 51.6  | 40.2  | 60.4  |
| 154       | 89.8  | 69.7  | 104.5 |

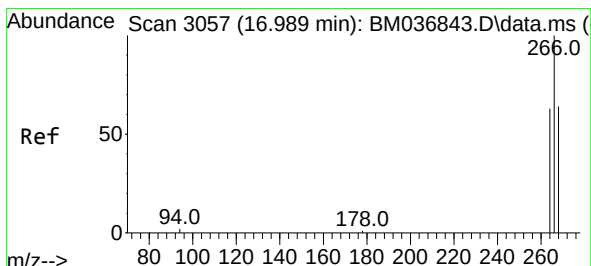
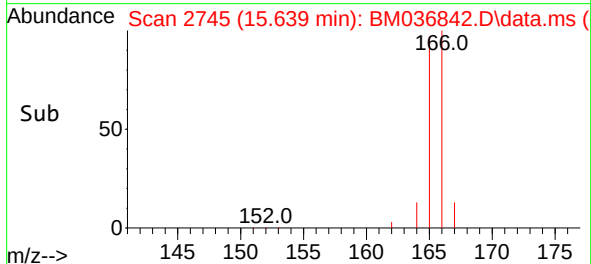
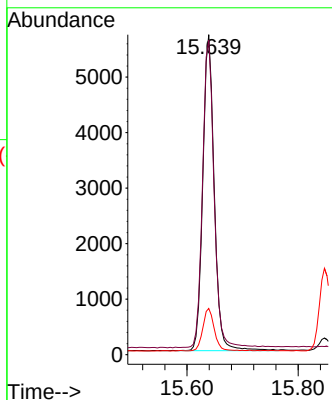
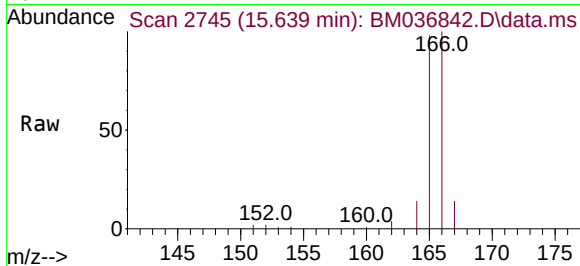




#12  
 Fluorene  
 Concen: 0.219 ng/ul  
 RT: 15.639 min Scan# 21  
 Delta R.T. 0.004 min  
 Lab File: BM036842.D  
 Acq: 06 Oct 2022 13:58

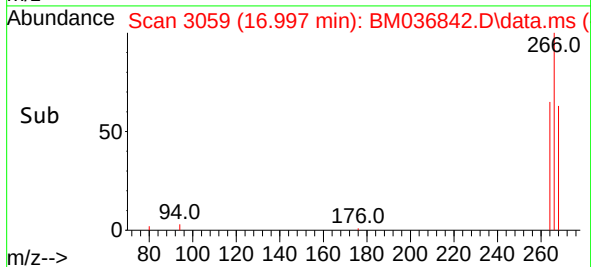
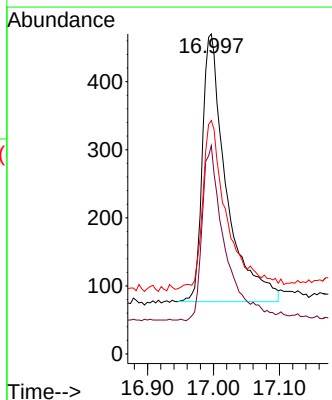
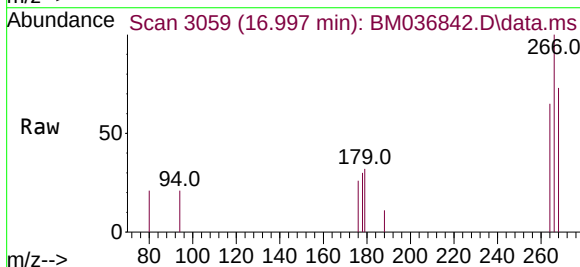
Instrument :  
 BNA\_M  
 ClientSampleId :  
 SST00.2023

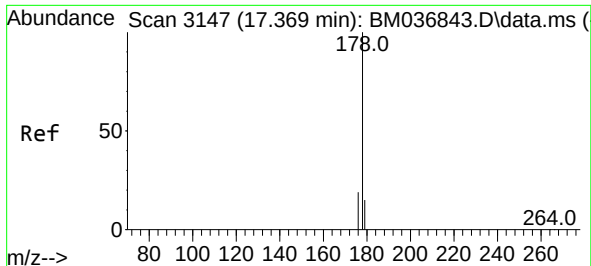
Tgt Ion:166 Resp: 8167  
 Ion Ratio Lower Upper  
 166 100  
 165 98.4 78.9 118.3  
 167 14.4 11.3 16.9



#14  
 Pentachlorophenol  
 Concen: 0.262 ng/ul  
 RT: 16.997 min Scan# 3059  
 Delta R.T. 0.008 min  
 Lab File: BM036842.D  
 Acq: 06 Oct 2022 13:58

Tgt Ion:266 Resp: 989  
 Ion Ratio Lower Upper  
 266 100  
 264 62.7 50.3 75.5  
 268 63.9 53.5 80.3

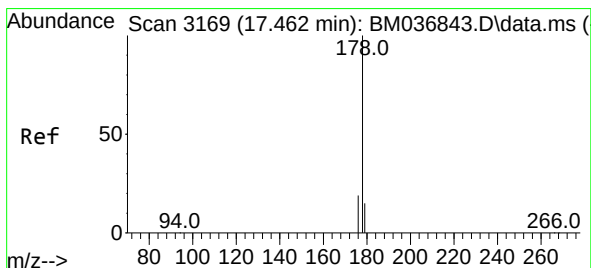
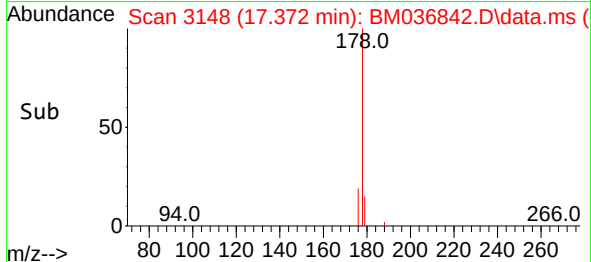
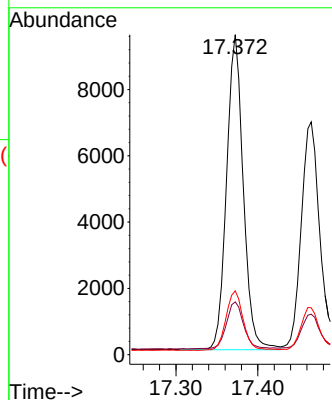
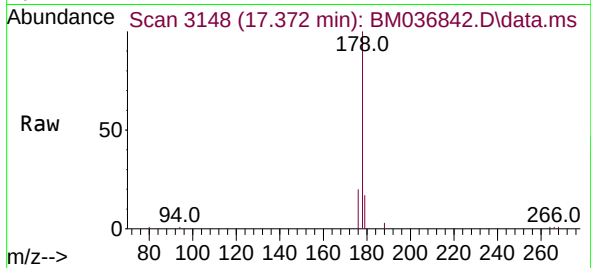




#15  
Phenanthrene  
Concen: 0.220 ng/ul  
RT: 17.372 min Scan# 3147  
Delta R.T. 0.003 min  
Lab File: BM036842.D  
Acq: 06 Oct 2022 13:58

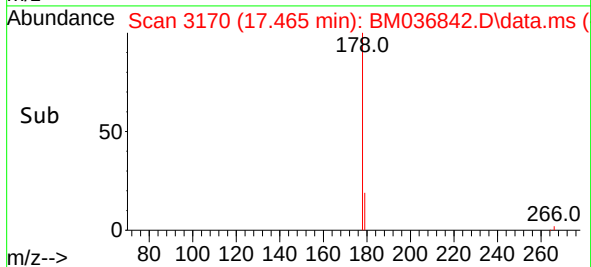
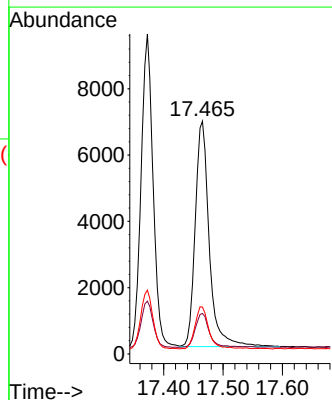
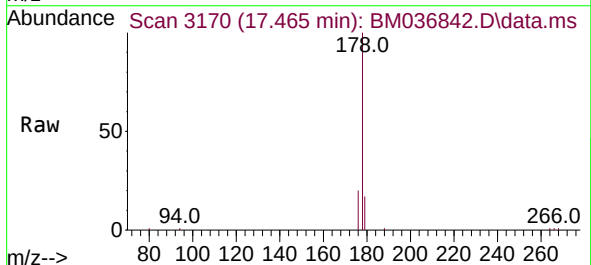
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.2023

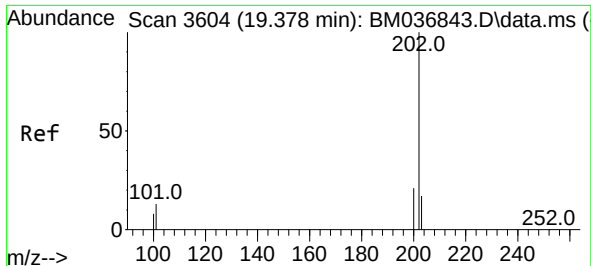
Tgt Ion:178 Resp: 13464  
Ion Ratio Lower Upper  
178 100  
179 16.5 13.0 19.6  
176 19.9 15.6 23.4



#16  
Anthracene  
Concen: 0.217 ng/ul  
RT: 17.465 min Scan# 3170  
Delta R.T. 0.003 min  
Lab File: BM036842.D  
Acq: 06 Oct 2022 13:58

Tgt Ion:178 Resp: 11134  
Ion Ratio Lower Upper  
178 100  
179 17.4 13.6 20.4  
176 20.1 15.6 23.4

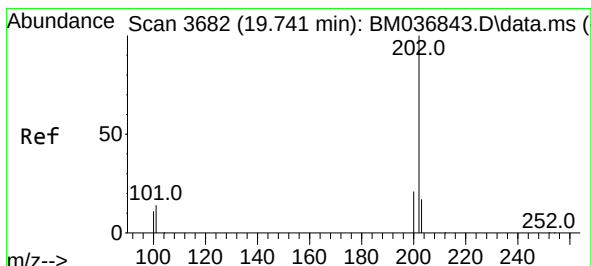
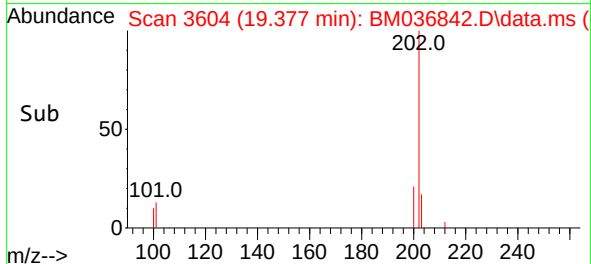
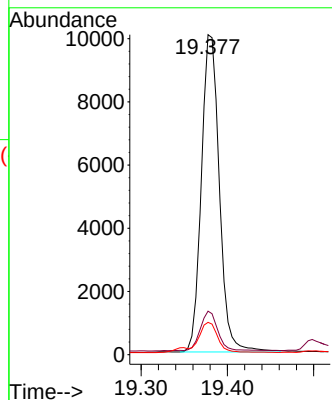
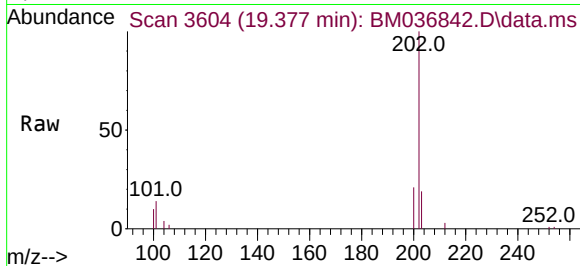




#19  
Fluoranthene  
Concen: 0.221 ng/ul  
RT: 19.377 min Scan# 3604  
Delta R.T. -0.001 min  
Lab File: BM036842.D  
Acq: 06 Oct 2022 13:58

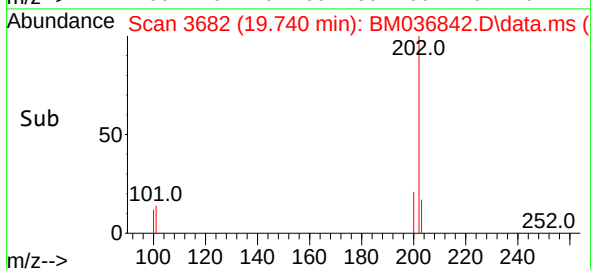
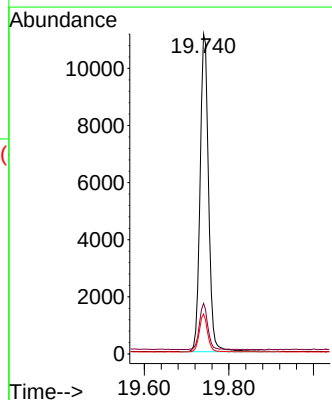
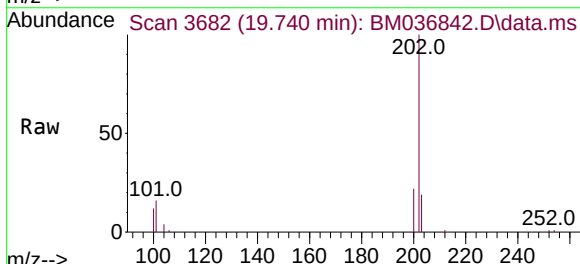
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.2023

Tgt Ion:202 Resp: 14570  
Ion Ratio Lower Upper  
202 100  
101 13.6 10.1 15.1  
100 10.1 7.9 11.9

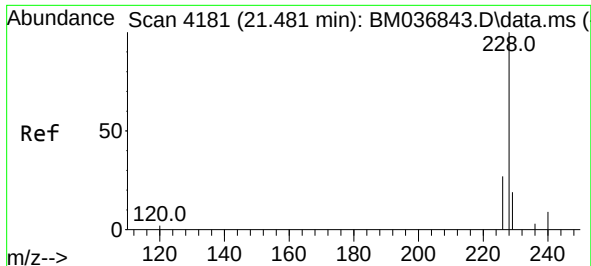


#20  
Pyrene  
Concen: 0.228 ng/ul  
RT: 19.740 min Scan# 3682  
Delta R.T. -0.001 min  
Lab File: BM036842.D  
Acq: 06 Oct 2022 13:58

Tgt Ion:202 Resp: 15477  
Ion Ratio Lower Upper  
202 100  
101 15.8 12.0 18.0  
100 12.5 9.8 14.6



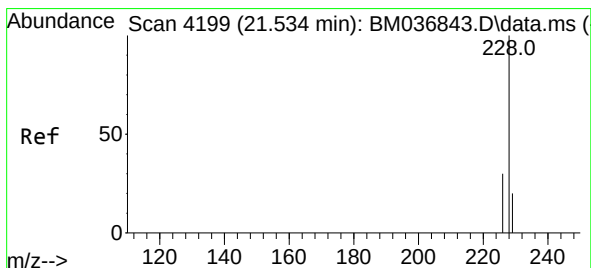
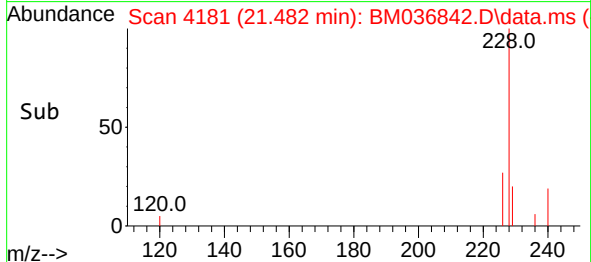
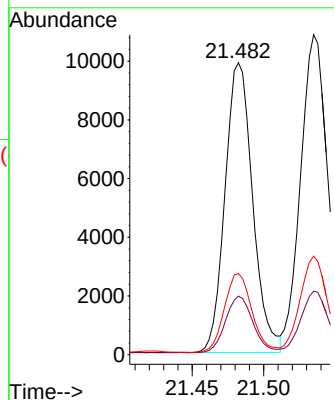
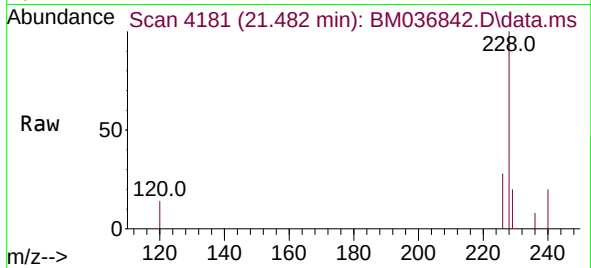




#21  
Benzo(a)anthracene  
Concen: 0.240 ng/ul  
RT: 21.482 min Scan# 4181  
Delta R.T. 0.001 min  
Lab File: BM036842.D  
Acq: 06 Oct 2022 13:58

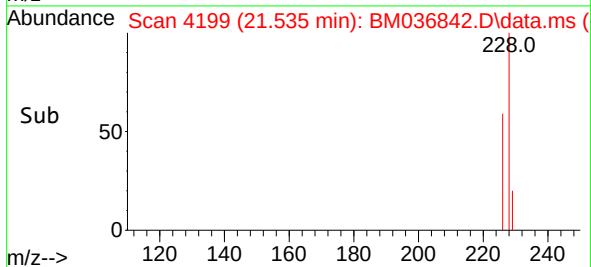
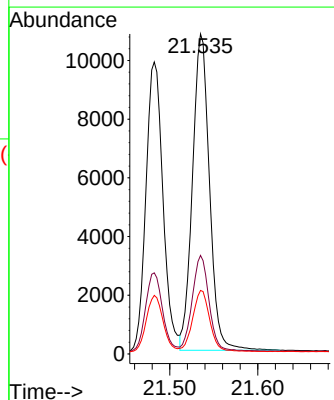
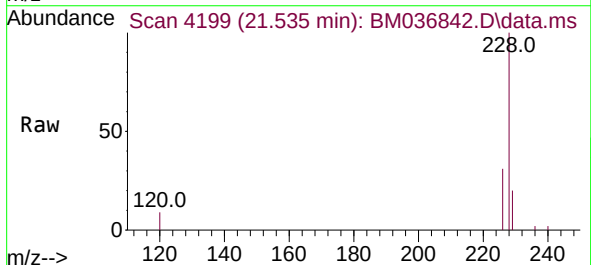
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.2023

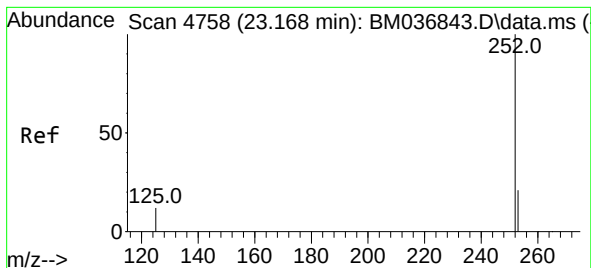
Tgt Ion:228 Resp: 13294  
Ion Ratio Lower Upper  
228 100  
229 20.1 16.2 24.2  
226 27.8 22.5 33.7



#22  
Chrysene  
Concen: 0.234 ng/ul  
RT: 21.535 min Scan# 4199  
Delta R.T. 0.001 min  
Lab File: BM036842.D  
Acq: 06 Oct 2022 13:58

Tgt Ion:228 Resp: 14475  
Ion Ratio Lower Upper  
228 100  
226 30.8 24.6 37.0  
229 19.9 16.4 24.6





#24

Benzo(b)fluoranthene

Concen: 0.220 ng/ul

RT: 23.169 min Scan# 4758

Delta R.T. 0.001 min

Lab File: BM036842.D

Acq: 06 Oct 2022 13:58

Instrument :

BNA\_M

ClientSampleId :

SSTD0.2023

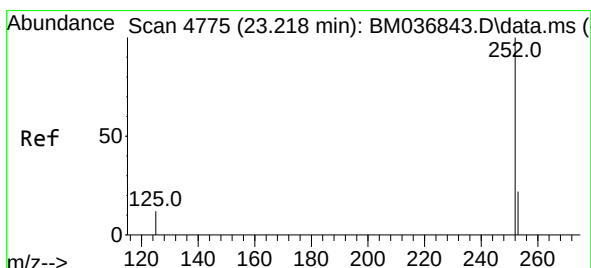
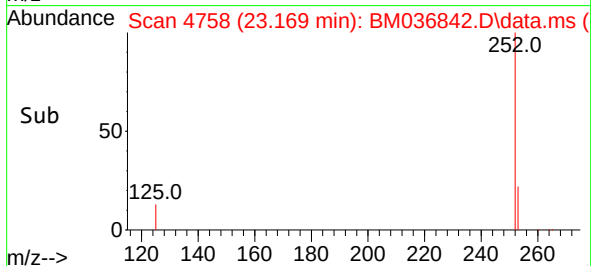
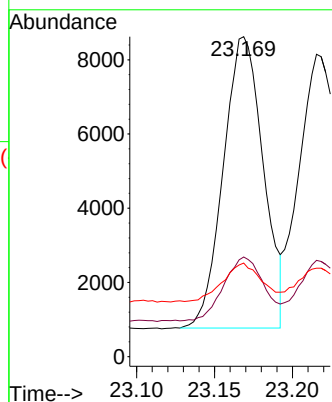
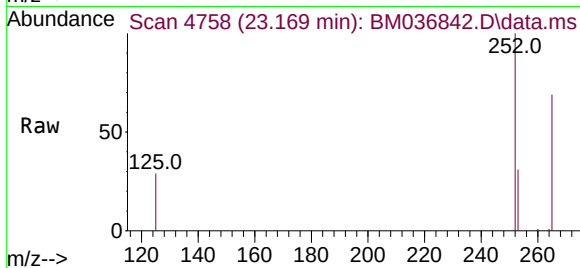
Tgt Ion:252 Resp: 13989

Ion Ratio Lower Upper

252 100

253 31.1 0.0 61.4

125 29.3 0.0 42.6



#25

Benzo(k)fluoranthene

Concen: 0.218 ng/ul

RT: 23.215 min Scan# 4774

Delta R.T. -0.002 min

Lab File: BM036842.D

Acq: 06 Oct 2022 13:58

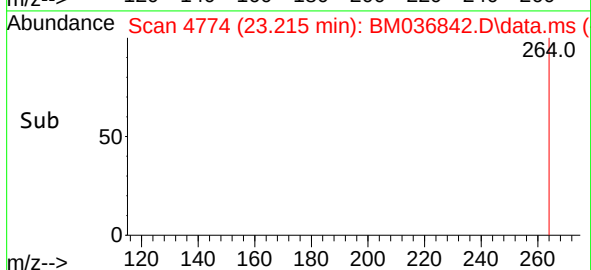
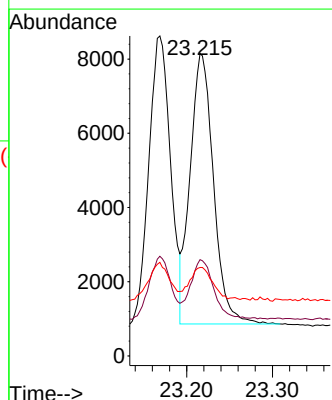
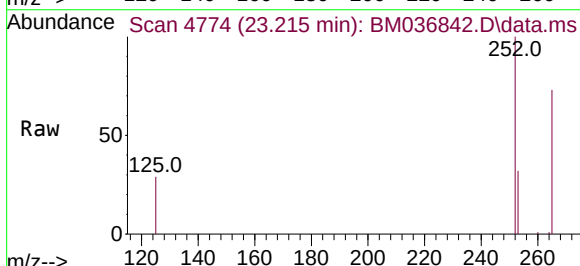
Tgt Ion:252 Resp: 13817

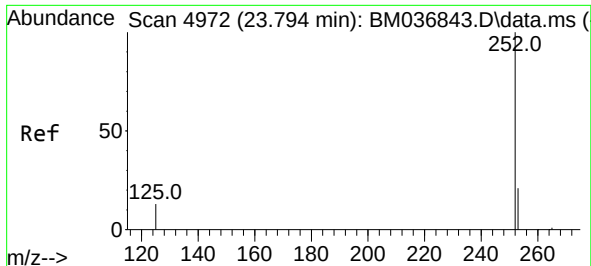
Ion Ratio Lower Upper

252 100

253 31.9 25.2 37.8

125 29.3 18.3 27.5#

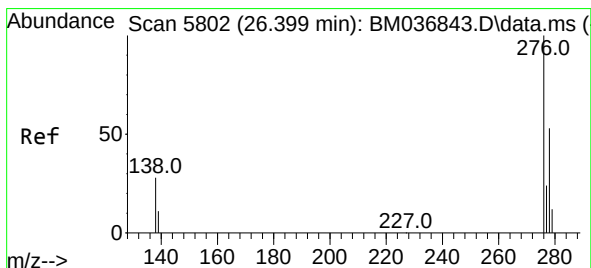
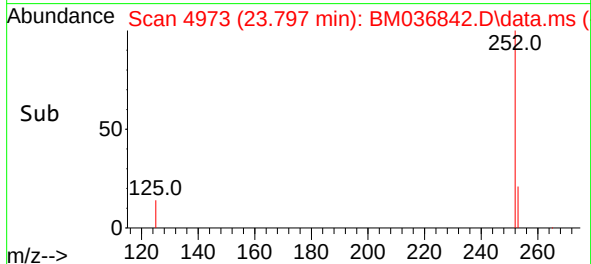
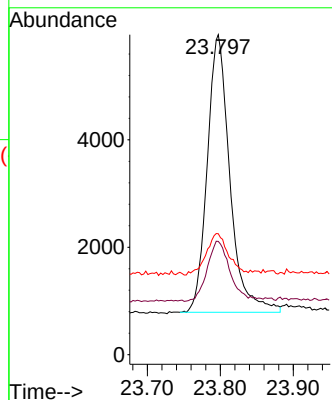
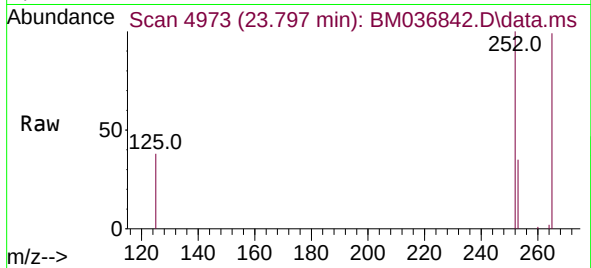




#26  
Benzo(a)pyrene  
Concen: 0.214 ng/ul  
RT: 23.797 min Scan# 4972  
Delta R.T. 0.004 min  
Lab File: BM036842.D  
Acq: 06 Oct 2022 13:58

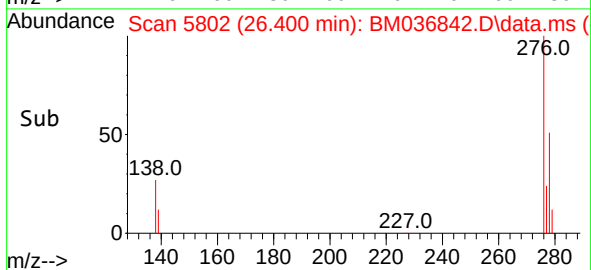
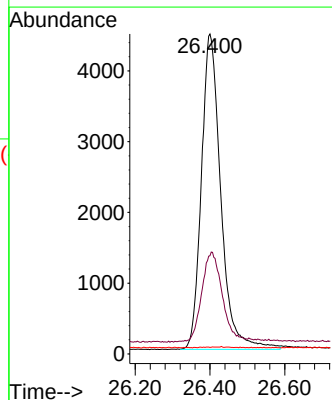
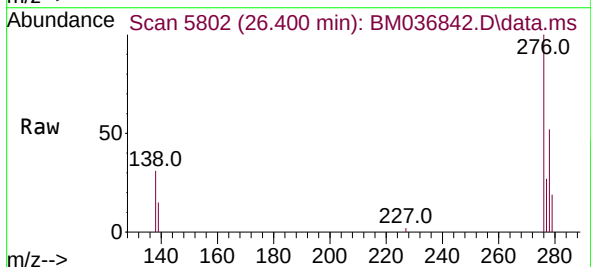
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.2023

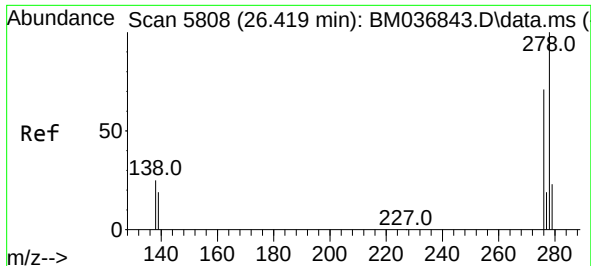
Tgt Ion:252 Resp: 11160  
Ion Ratio Lower Upper  
252 100  
253 35.4 29.7 44.5  
125 37.8 23.6 35.4#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.260 ng/ul  
RT: 26.400 min Scan# 5802  
Delta R.T. 0.001 min  
Lab File: BM036842.D  
Acq: 06 Oct 2022 13:58

Tgt Ion:276 Resp: 16060  
Ion Ratio Lower Upper  
276 100  
138 31.3 23.9 35.9  
227 0.1 0.1 0.1

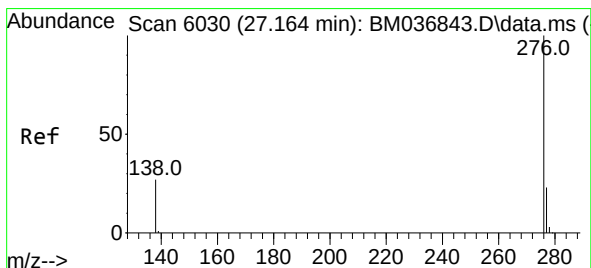
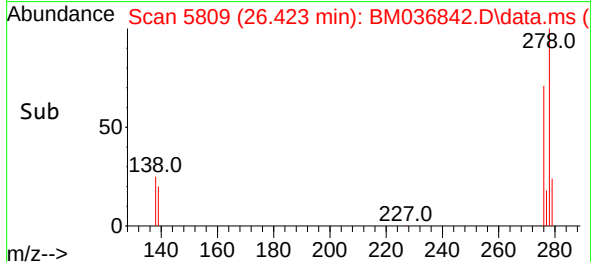
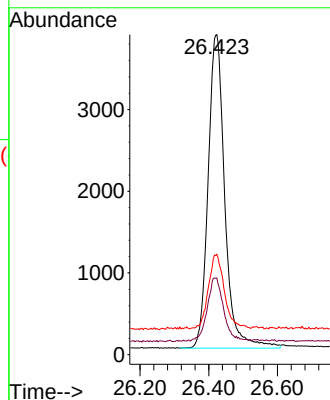
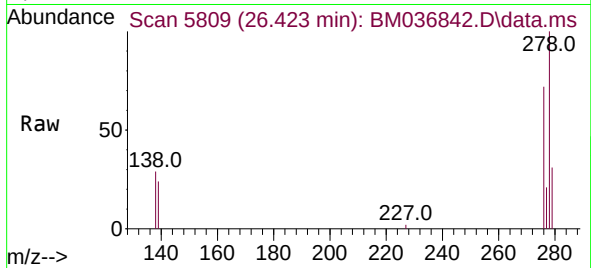




#28  
Dibenzo(a,h)anthracene  
Concen: 0.244 ng/ul  
RT: 26.423 min Scan# 5809  
Delta R.T. 0.004 min  
Lab File: BM036842.D  
Acq: 06 Oct 2022 13:58

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.2023

Tgt Ion:278 Resp: 12943  
Ion Ratio Lower Upper  
278 100  
139 24.0 19.8 29.6  
279 31.4 27.7 41.5



#29  
Benzo(g,h,i)perylene  
Concen: 0.242 ng/ul  
RT: 27.165 min Scan# 6030  
Delta R.T. 0.001 min  
Lab File: BM036842.D  
Acq: 06 Oct 2022 13:58

Tgt Ion:276 Resp: 14296  
Ion Ratio Lower Upper  
276 100  
138 30.2 23.4 35.0  
277 26.5 21.0 31.4

