

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM040623\  
 Data File : BM039310.D  
 Acq On : 06 Apr 2023 09:45  
 Operator : CG/JU  
 Sample : SST0.241  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SST0.2016

Quant Time: Apr 06 23:45:34 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM040623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 06 13:03:35 2023  
 Response via : Initial Calibration

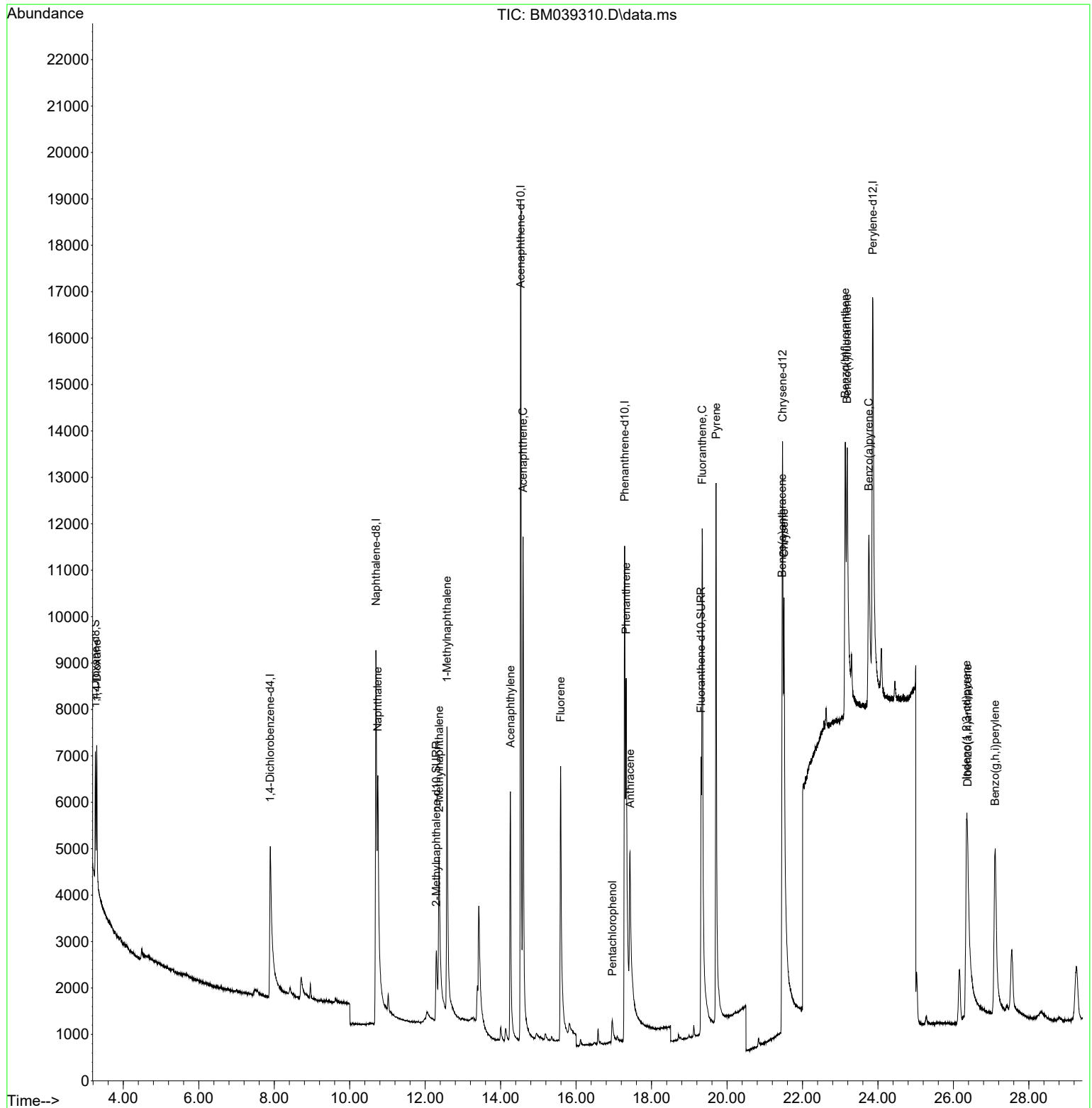
| Compound                    | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| Internal Standards          |        |      |          |       |         |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.895  | 152  | 4442     | 0.400 | ng/ul   | 0.00     |
| 4) Naphthalene-d8           | 10.697 | 136  | 21094    | 0.400 | ng/ul   | 0.00     |
| 9) Acenaphthene-d10         | 14.532 | 164  | 12583    | 0.400 | ng/ul   | 0.00     |
| 13) Phenanthrene-d10        | 17.287 | 188  | 18415    | 0.400 | ng/ul   | 0.00     |
| 17) Chrysene-d12            | 21.475 | 240  | 17166    | 0.400 | ng/ul # | 0.00     |
| 23) Perylene-d12            | 23.863 | 264  | 16947    | 0.400 | ng/ul # | 0.00     |
| System Monitoring Compounds |        |      |          |       |         |          |
| 3) 1,4-Dioxane-d8           | 3.263  | 96   | 1821     | 0.221 | ng/ul   | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.297 | 152  | 4608     | 0.189 | ng/ul   | 0.00     |
| 18) Fluoranthene-d10        | 19.315 | 212  | 9819     | 0.184 | ng/ul   | 0.00     |
| Target Compounds            |        |      |          |       |         |          |
|                             |        |      |          |       | Qvalue  |          |
| 2) 1,4-Dioxane              | 3.297  | 88   | 1981     | 0.225 | ng/ul#  | 88       |
| 5) Naphthalene              | 10.746 | 128  | 9544     | 0.190 | ng/ul   | 98       |
| 7) 2-Methylnaphthalene      | 12.368 | 142  | 5321     | 0.189 | ng/ul   | 99       |
| 8) 1-Methylnaphthalene      | 12.577 | 142  | 6173     | 0.193 | ng/ul   | 99       |
| 10) Acenaphthylene          | 14.259 | 152  | 9105     | 0.187 | ng/ul   | 99       |
| 11) Acenaphthene            | 14.597 | 153  | 7270     | 0.189 | ng/ul   | 99       |
| 12) Fluorene                | 15.591 | 166  | 7052     | 0.184 | ng/ul   | 98       |
| 14) Pentachlorophenol       | 16.961 | 266  | 784      | 0.179 | ng/ul#  | 84       |
| 15) Phenanthrene            | 17.329 | 178  | 10075    | 0.197 | ng/ul   | 98       |
| 16) Anthracene              | 17.430 | 178  | 7207     | 0.185 | ng/ul   | 97       |
| 19) Fluoranthene            | 19.343 | 202  | 13091    | 0.184 | ng/ul   | 96       |
| 20) Pyrene                  | 19.710 | 202  | 15256    | 0.187 | ng/ul   | 100      |
| 21) Benzo(a)anthracene      | 21.460 | 228  | 7561     | 0.190 | ng/ul   | 99       |
| 22) Chrysene                | 21.513 | 228  | 9140     | 0.188 | ng/ul   | 99       |
| 24) Benzo(b)fluoranthene    | 23.135 | 252  | 9726     | 0.181 | ng/ul   | 87       |
| 25) Benzo(k)fluoranthene    | 23.184 | 252  | 9536     | 0.186 | ng/ul#  | 87       |
| 26) Benzo(a)pyrene          | 23.760 | 252  | 10252    | 0.189 | ng/ul#  | 83       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.347 | 276  | 11931    | 0.175 | ng/ul   | 95       |
| 28) Dibenzo(a,h)anthracene  | 26.374 | 278  | 8112     | 0.170 | ng/ul#  | 83       |
| 29) Benzo(g,h,i)perylene    | 27.105 | 276  | 11329    | 0.173 | ng/ul   | 95       |

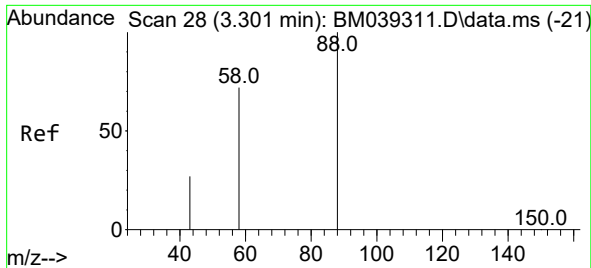
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM040623\  
Data File : BM039310.D  
Acq On : 06 Apr 2023 09:45  
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Sample : SST0.241  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.2016

Quant Time: Apr 06 23:45:34 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM040623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Apr 06 13:03:35 2023  
Response via : Initial Calibration

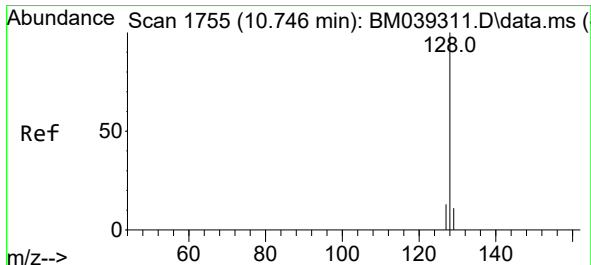
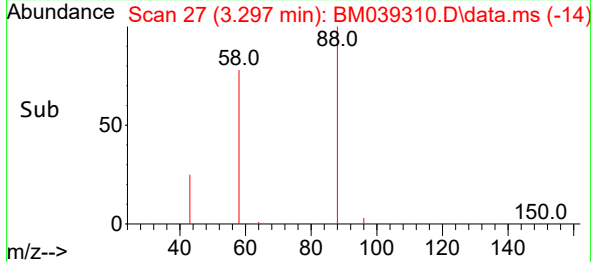
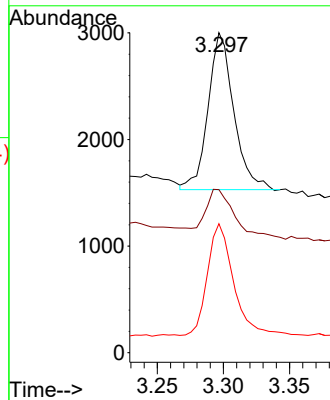
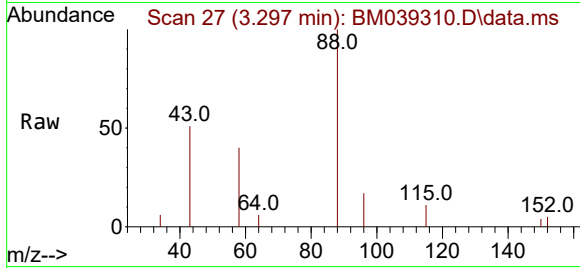




#2  
1,4-Dioxane  
Concen: 0.225 ng/ul  
RT: 3.297 min Scan# 21  
Delta R.T. -0.004 min  
Lab File: BM039310.D  
Acq: 06 Apr 2023 09:45

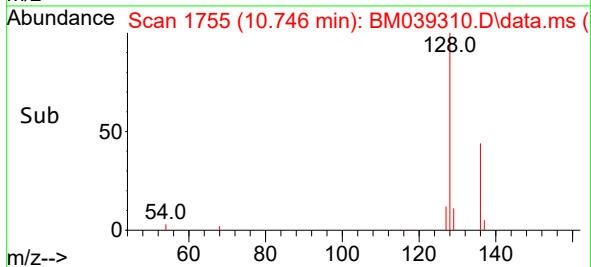
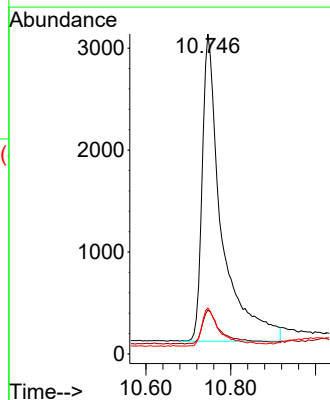
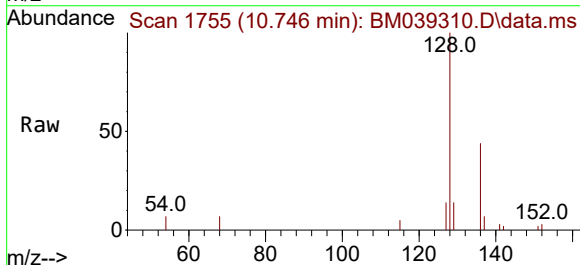
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.2016

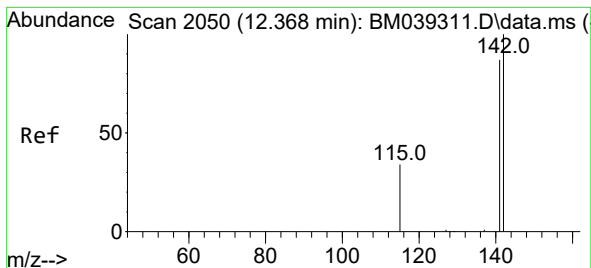
Tgt Ion: 88 Resp: 1981  
Ion Ratio Lower Upper  
88 100  
43 51.0 30.6 45.8#  
58 40.3 34.1 51.1



#5  
Naphthalene  
Concen: 0.190 ng/ul  
RT: 10.746 min Scan# 1755  
Delta R.T. -0.000 min  
Lab File: BM039310.D  
Acq: 06 Apr 2023 09:45

Tgt Ion: 128 Resp: 9544  
Ion Ratio Lower Upper  
128 100  
129 13.7 10.1 15.1  
127 14.4 11.0 16.4

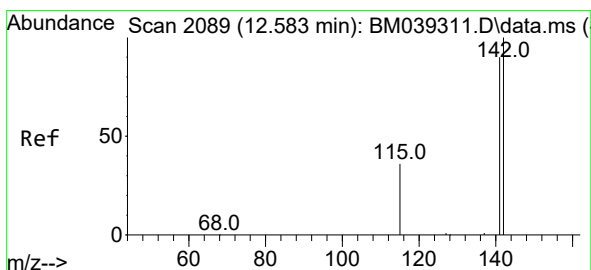
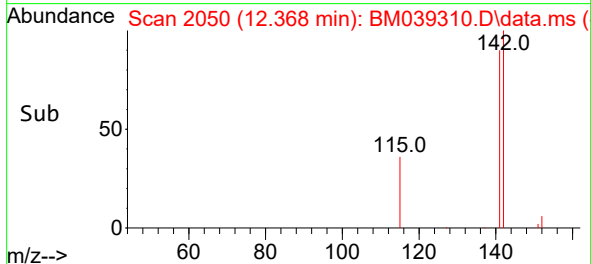
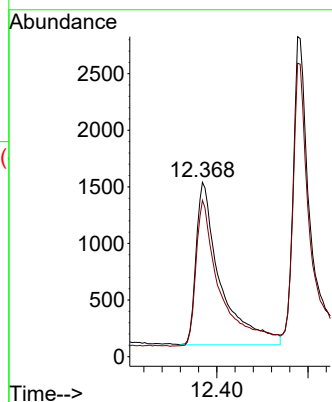
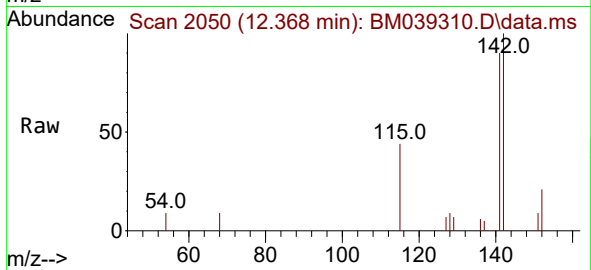




#7  
2-Methylnaphthalene  
Concen: 0.189 ng/ul  
RT: 12.368 min Scan# 2050  
Delta R.T. -0.000 min  
Lab File: BM039310.D  
Acq: 06 Apr 2023 09:45

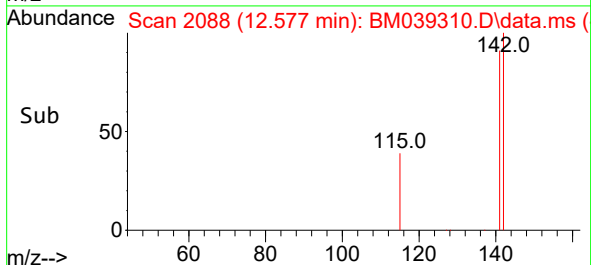
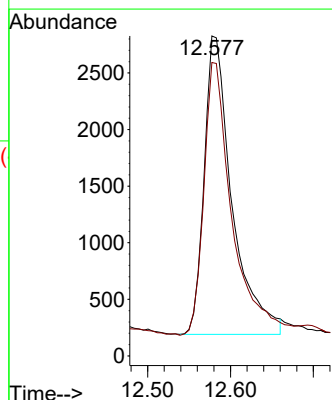
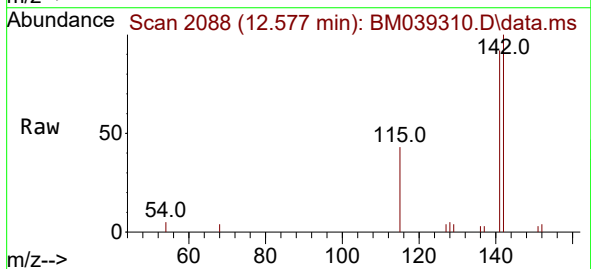
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.2016

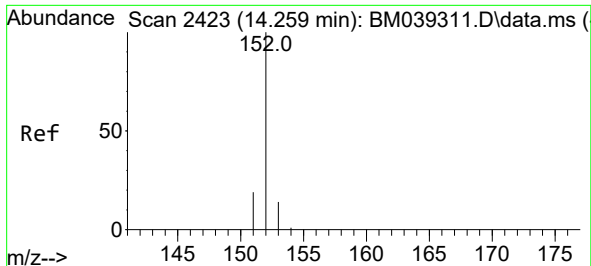
Tgt Ion:142 Resp: 5321  
Ion Ratio Lower Upper  
142 100  
141 90.4 71.8 107.6



#8  
1-Methylnaphthalene  
Concen: 0.193 ng/ul  
RT: 12.577 min Scan# 2088  
Delta R.T. -0.006 min  
Lab File: BM039310.D  
Acq: 06 Apr 2023 09:45

Tgt Ion:142 Resp: 6173  
Ion Ratio Lower Upper  
142 100  
141 91.3 72.6 109.0

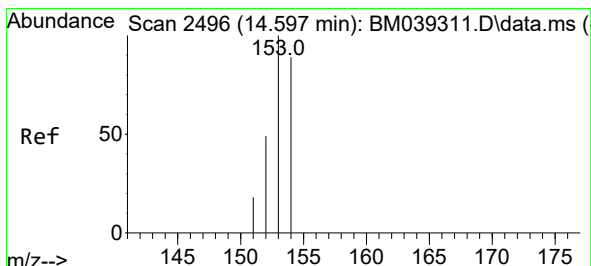
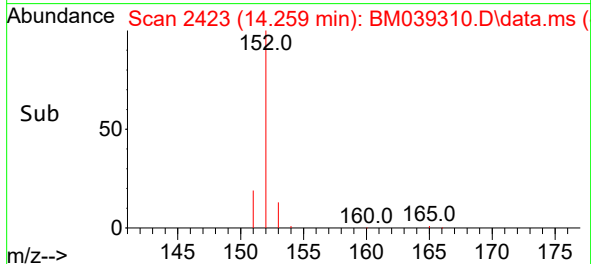
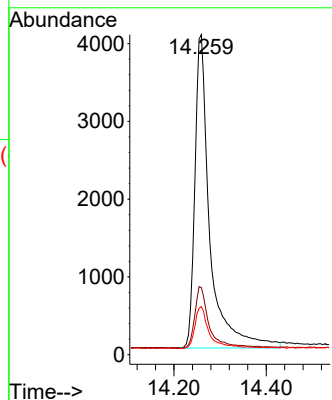
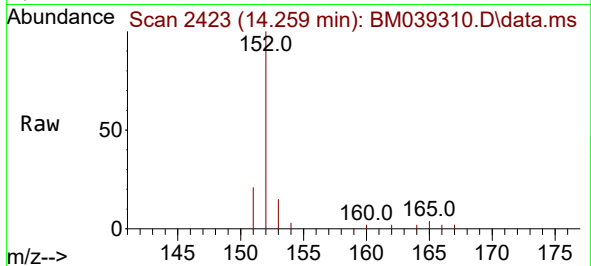




#10  
Acenaphthylene  
Concen: 0.187 ng/ul  
RT: 14.259 min Scan# 2423  
Delta R.T. 0.000 min  
Lab File: BM039310.D  
Acq: 06 Apr 2023 09:45

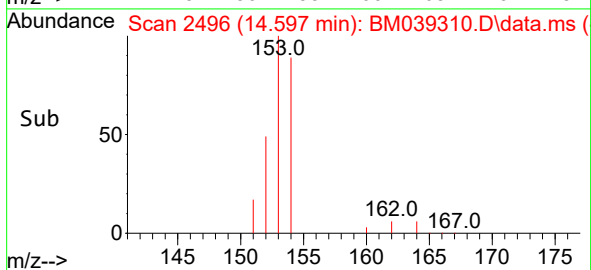
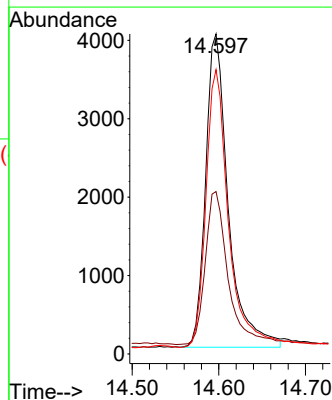
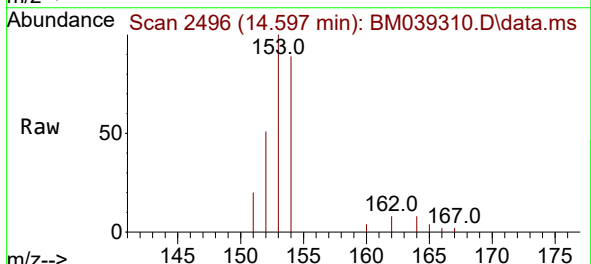
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.2016

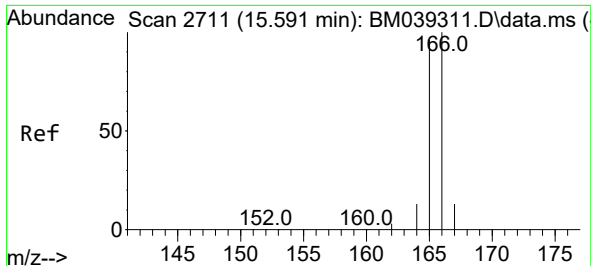
Tgt Ion:152 Resp: 9105  
Ion Ratio Lower Upper  
152 100  
151 21.0 16.2 24.4  
153 15.0 11.6 17.4



#11  
Acenaphthene  
Concen: 0.189 ng/ul  
RT: 14.597 min Scan# 2496  
Delta R.T. -0.000 min  
Lab File: BM039310.D  
Acq: 06 Apr 2023 09:45

Tgt Ion:153 Resp: 7270  
Ion Ratio Lower Upper  
153 100  
152 50.8 40.3 60.5  
154 88.9 71.5 107.3

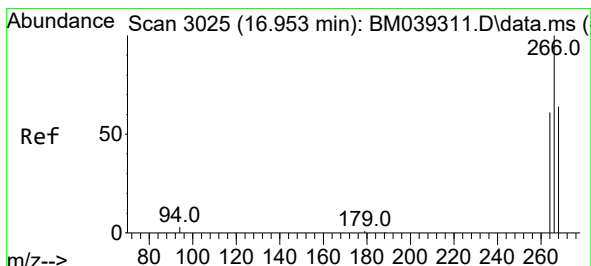
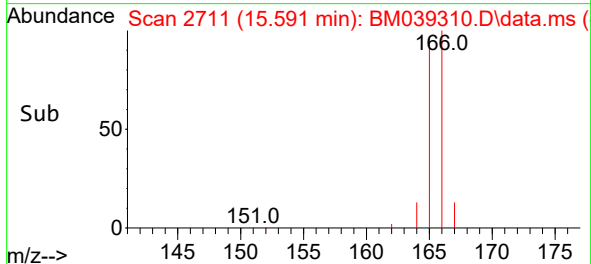
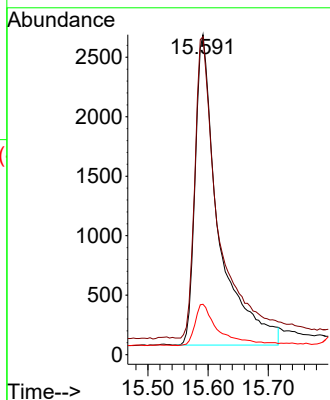
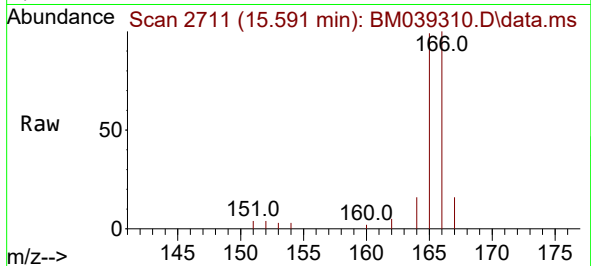




#12  
Fluorene  
Concen: 0.184 ng/ul  
RT: 15.591 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM039310.D  
Acq: 06 Apr 2023 09:45

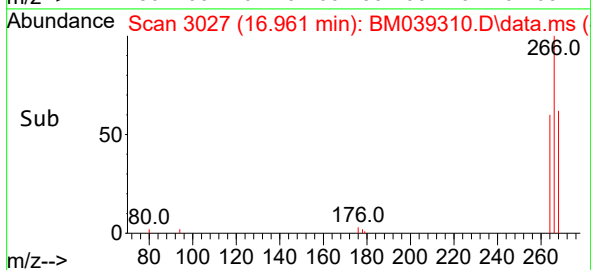
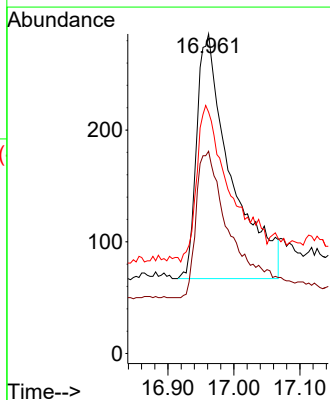
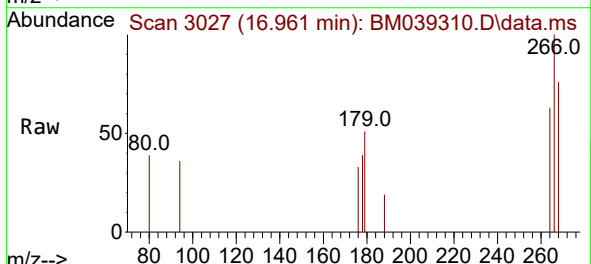
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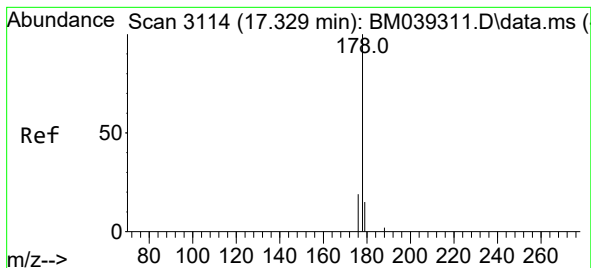
Tgt Ion:166 Resp: 7052  
Ion Ratio Lower Upper  
166 100  
165 99.4 77.8 116.8  
167 15.8 11.8 17.6



#14  
Pentachlorophenol  
Concen: 0.179 ng/ul  
RT: 16.961 min Scan# 3027  
Delta R.T. 0.008 min  
Lab File: BM039310.D  
Acq: 06 Apr 2023 09:45

Tgt Ion:266 Resp: 784  
Ion Ratio Lower Upper  
266 100  
264 61.5 39.6 59.4#  
268 63.3 42.4 63.6





#15

Phenanthrene

Concen: 0.197 ng/ul

RT: 17.329 min Scan# 3114

Delta R.T. -0.000 min

Lab File: BM039310.D

Acq: 06 Apr 2023 09:45

Instrument :

BNA\_M

ClientSampleId :

SSTD0.2016

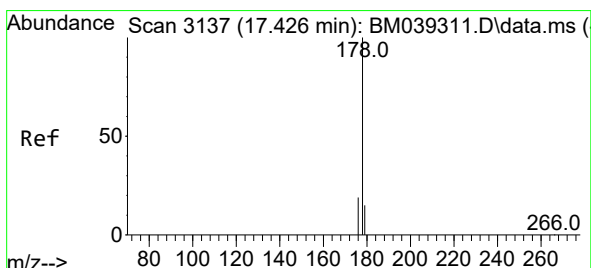
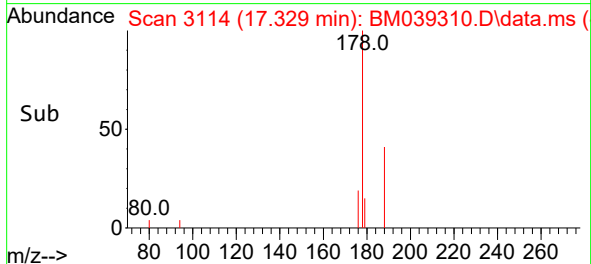
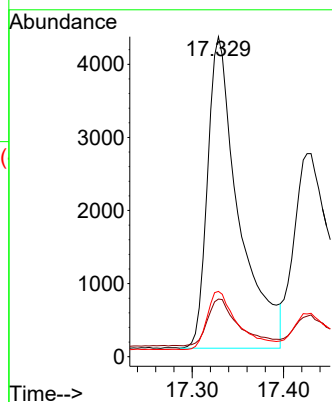
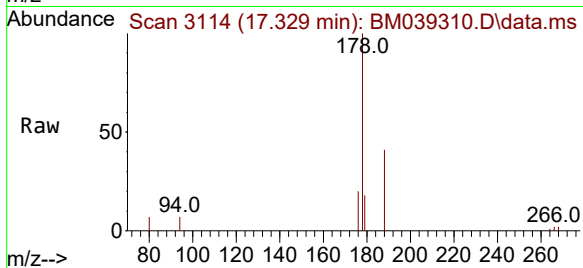
Tgt Ion:178 Resp: 10075

Ion Ratio Lower Upper

178 100

179 18.0 13.4 20.2

176 20.4 15.8 23.6



#16

Anthracene

Concen: 0.185 ng/ul

RT: 17.430 min Scan# 3138

Delta R.T. 0.004 min

Lab File: BM039310.D

Acq: 06 Apr 2023 09:45

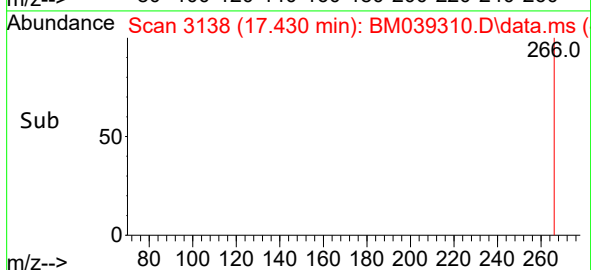
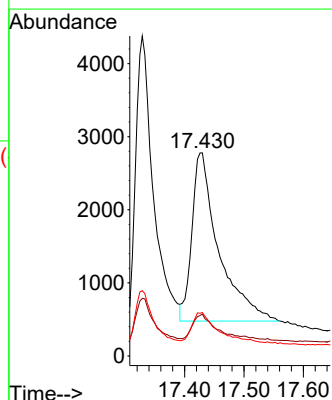
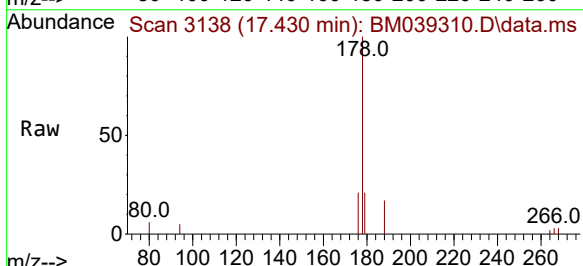
Tgt Ion:178 Resp: 7207

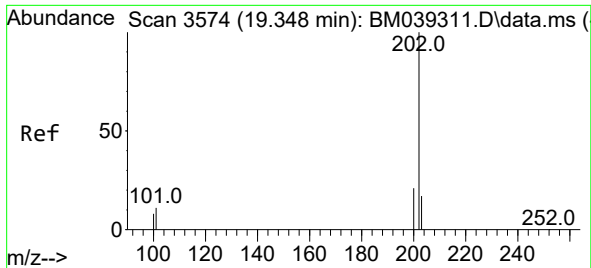
Ion Ratio Lower Upper

178 100

179 20.6 14.6 21.8

176 21.4 16.6 24.8

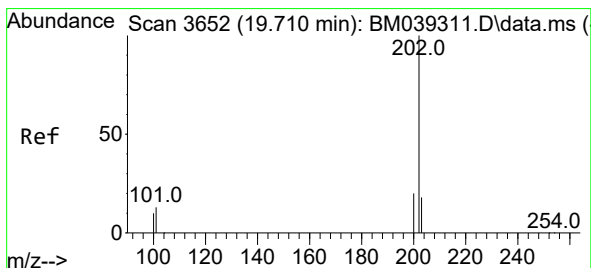
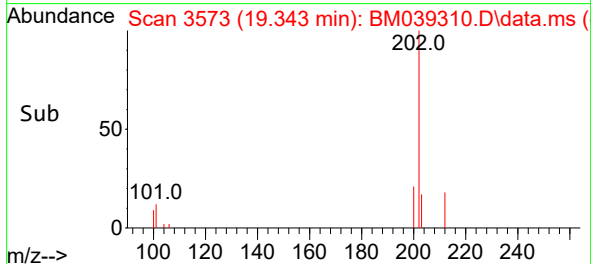
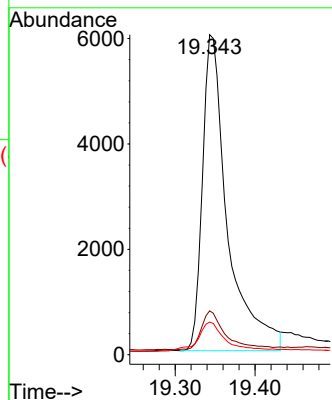
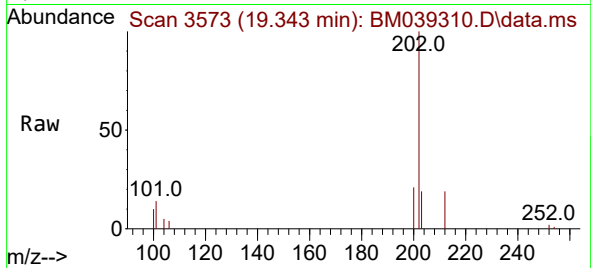




#19  
Fluoranthene  
Concen: 0.184 ng/ul  
RT: 19.343 min Scan# 3573  
Delta R.T. -0.005 min  
Lab File: BM039310.D  
Acq: 06 Apr 2023 09:45

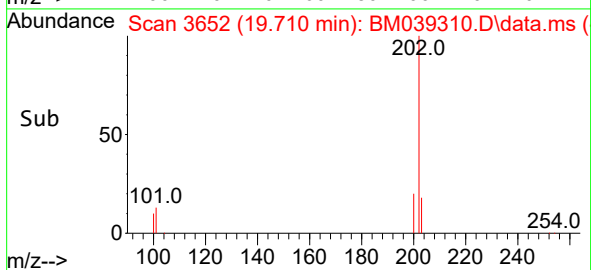
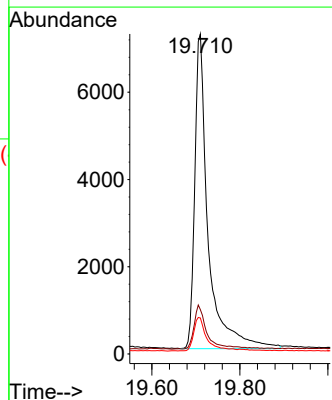
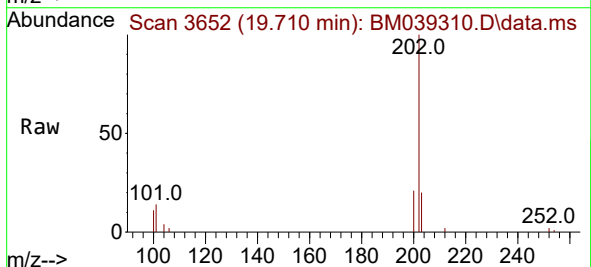
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.2016

Tgt Ion:202 Resp: 13091  
Ion Ratio Lower Upper  
202 100  
101 13.7 9.7 14.5  
100 10.2 7.4 11.0

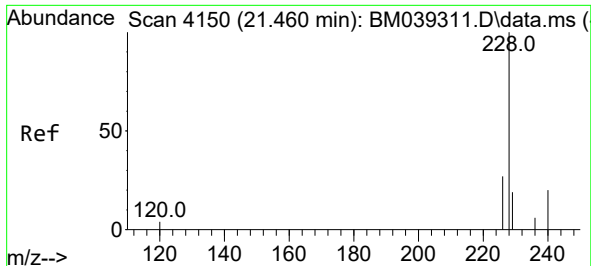


#20  
Pyrene  
Concen: 0.187 ng/ul  
RT: 19.710 min Scan# 3652  
Delta R.T. -0.000 min  
Lab File: BM039310.D  
Acq: 06 Apr 2023 09:45

Tgt Ion:202 Resp: 15256  
Ion Ratio Lower Upper  
202 100  
101 13.8 11.1 16.7  
100 11.2 8.8 13.2

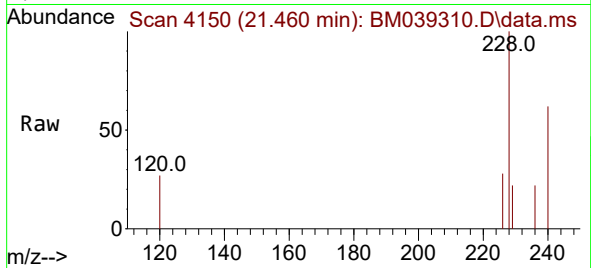




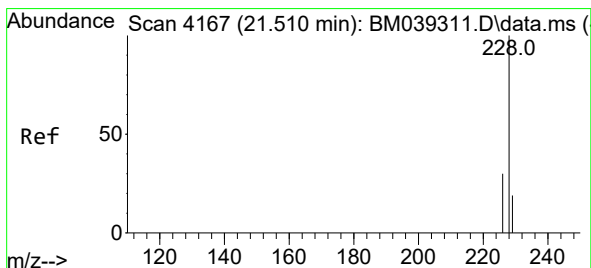
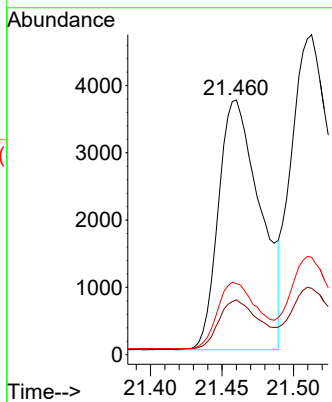
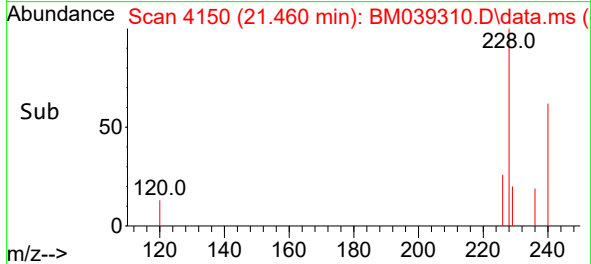


#21  
Benzo(a)anthracene  
Concen: 0.190 ng/ul  
RT: 21.460 min Scan# 4150  
Delta R.T. -0.000 min  
Lab File: BM039310.D  
Acq: 06 Apr 2023 09:45

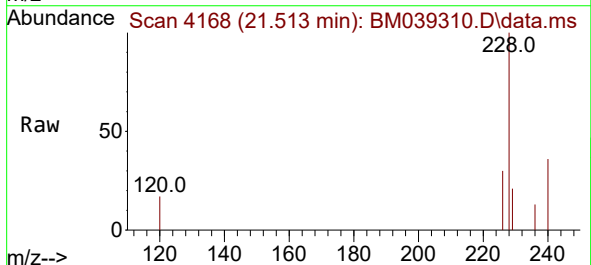
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.2016



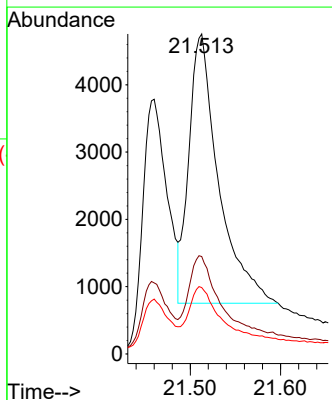
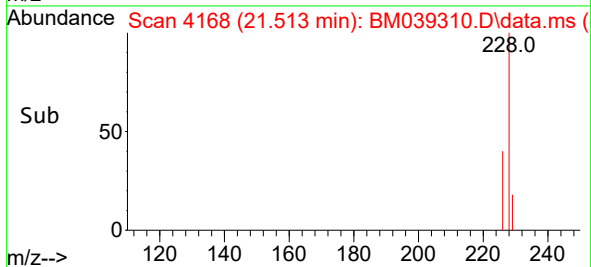
Tgt Ion:228 Resp: 7561  
Ion Ratio Lower Upper  
228 100  
229 21.6 16.6 24.8  
226 27.9 22.6 34.0

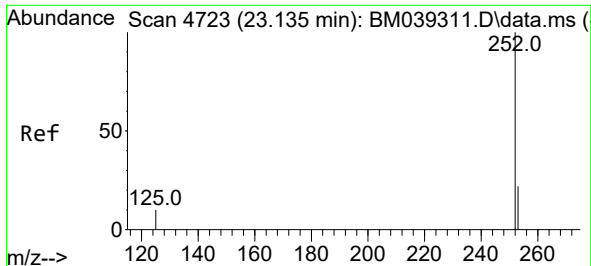


#22  
Chrysene  
Concen: 0.188 ng/ul  
RT: 21.513 min Scan# 4168  
Delta R.T. 0.003 min  
Lab File: BM039310.D  
Acq: 06 Apr 2023 09:45



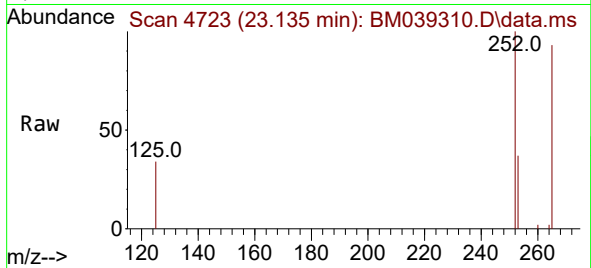
Tgt Ion:228 Resp: 9140  
Ion Ratio Lower Upper  
228 100  
226 30.4 24.2 36.2  
229 20.7 16.2 24.4



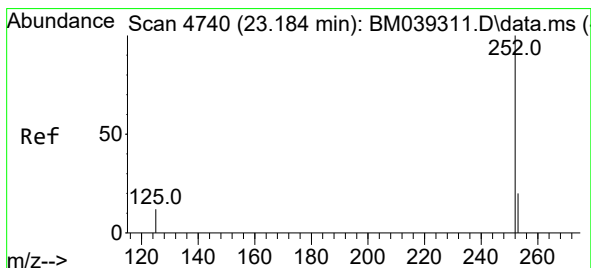
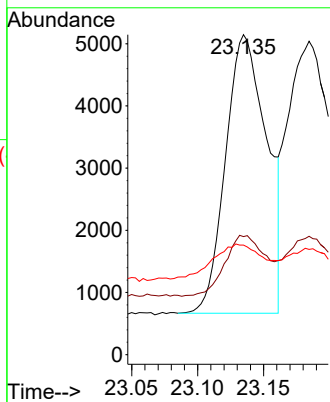
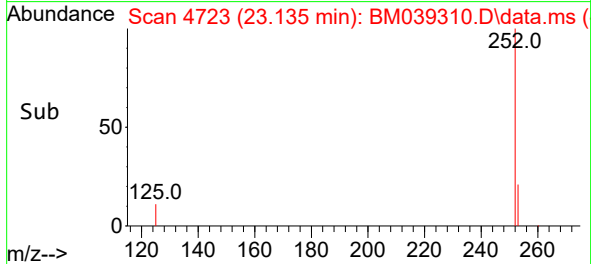


#24  
Benzo(b)fluoranthene  
Concen: 0.181 ng/ul  
RT: 23.135 min Scan# 4723  
Delta R.T. -0.000 min  
Lab File: BM039310.D  
Acq: 06 Apr 2023 09:45

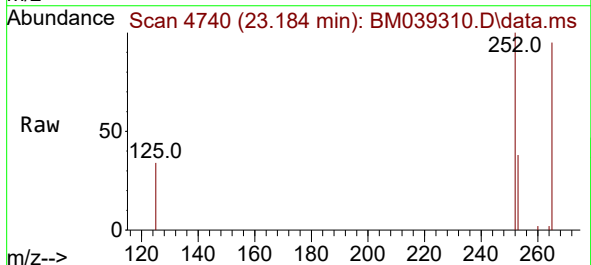
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.2016



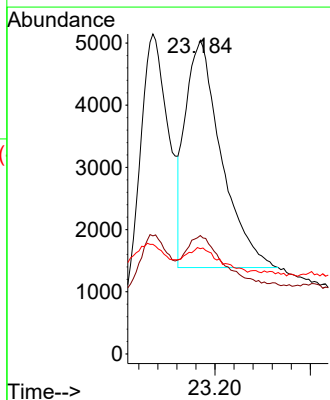
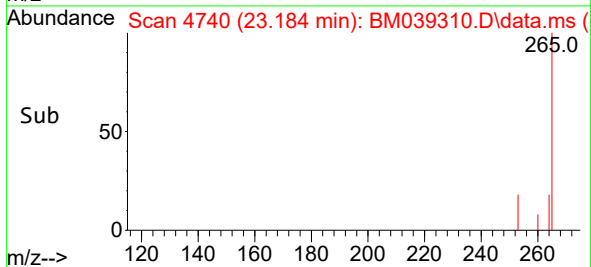
Tgt Ion:252 Resp: 9726  
Ion Ratio Lower Upper  
252 100  
253 36.9 0.0 64.4  
125 34.3 0.0 50.4

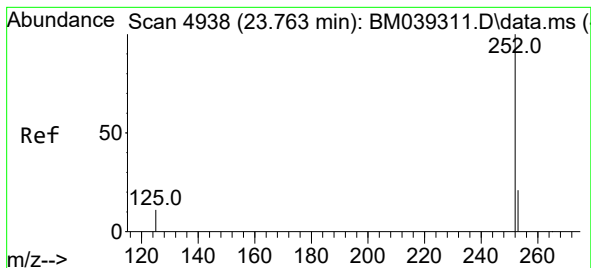


#25  
Benzo(k)fluoranthene  
Concen: 0.186 ng/ul  
RT: 23.184 min Scan# 4740  
Delta R.T. 0.000 min  
Lab File: BM039310.D  
Acq: 06 Apr 2023 09:45



Tgt Ion:252 Resp: 9536  
Ion Ratio Lower Upper  
252 100  
253 37.8 25.5 38.3  
125 33.6 20.4 30.6#





#26

Benzo(a)pyrene

Concen: 0.189 ng/ul

RT: 23.760 min Scan# 4938

Delta R.T. -0.003 min

Lab File: BM039310.D

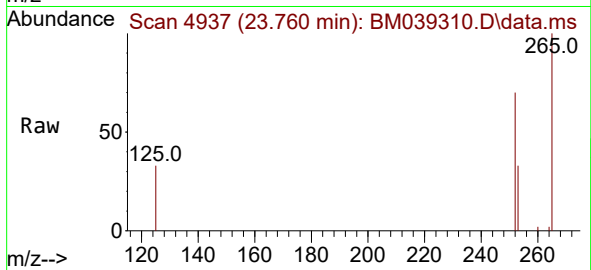
Acq: 06 Apr 2023 09:45

Instrument :

BNA\_M

ClientSampleId :

SSTD0.2016



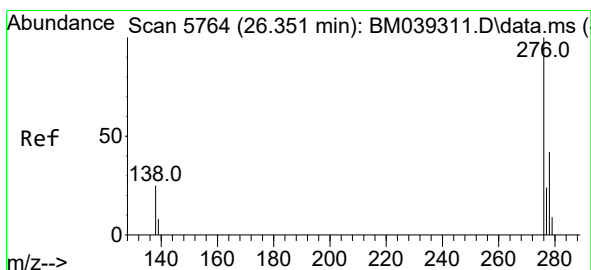
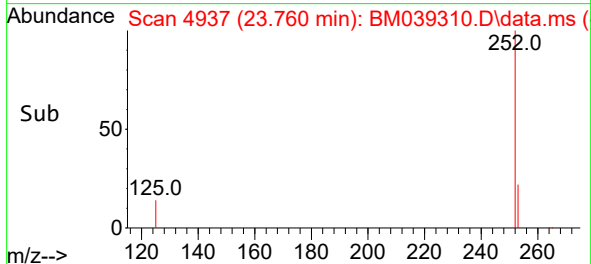
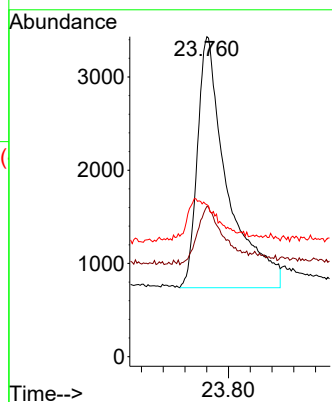
Tgt Ion:252 Resp: 10252

Ion Ratio Lower Upper

252 100

253 46.9 31.0 46.4#

125 47.5 28.2 42.4#



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.175 ng/ul

RT: 26.347 min Scan# 5763

Delta R.T. -0.003 min

Lab File: BM039310.D

Acq: 06 Apr 2023 09:45

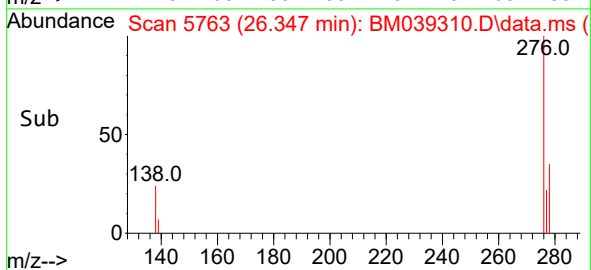
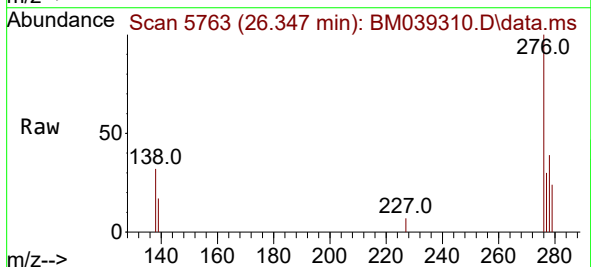
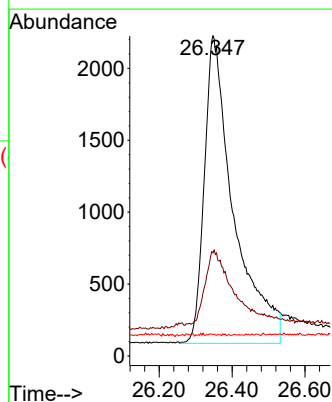
Tgt Ion:276 Resp: 11931

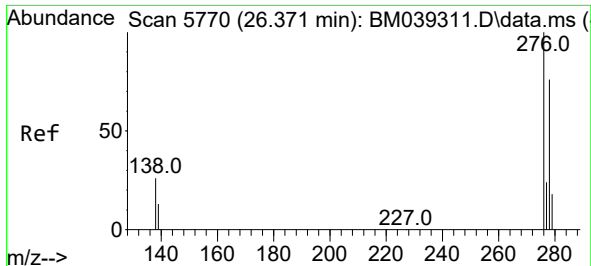
Ion Ratio Lower Upper

276 100

138 24.2 21.4 32.0

227 0.1 0.1 0.1

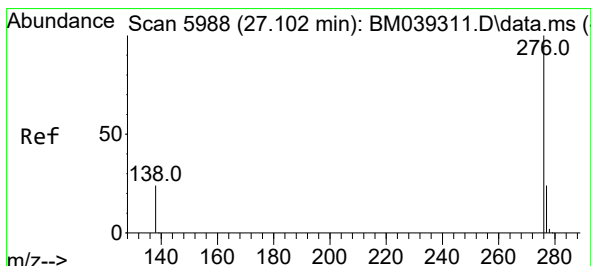
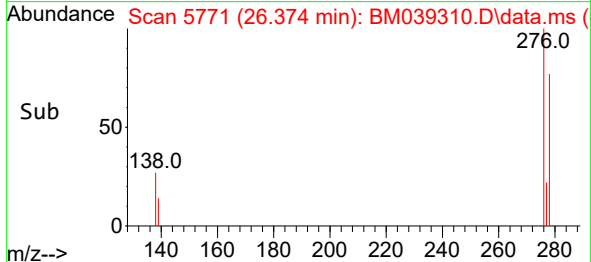
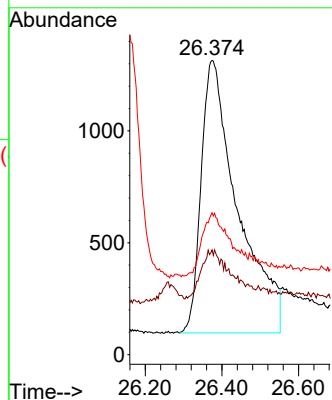
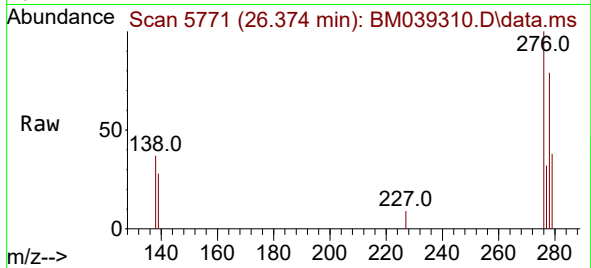




#28  
Dibenzo(a,h)anthracene  
Concen: 0.170 ng/ul  
RT: 26.374 min Scan# 5770  
Delta R.T. 0.003 min  
Lab File: BM039310.D  
Acq: 06 Apr 2023 09:45

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.2016

Tgt Ion:278 Resp: 8112  
Ion Ratio Lower Upper  
278 100  
139 35.6 21.8 32.6#  
279 48.2 30.0 45.0#



#29  
Benzo(g,h,i)perylene  
Concen: 0.173 ng/ul  
RT: 27.105 min Scan# 5989  
Delta R.T. 0.003 min  
Lab File: BM039310.D  
Acq: 06 Apr 2023 09:45

Tgt Ion:276 Resp: 11329  
Ion Ratio Lower Upper  
276 100  
138 30.8 22.2 33.2  
277 28.8 21.2 31.8

