

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071124\  
 Data File : BM046537.D  
 Acq On : 12 Jul 2024 04:18  
 Operator : MA/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD0.4162

Quant Time: Jul 12 05:12:56 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM071024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 12 05:09:19 2024  
 Response via : Initial Calibration

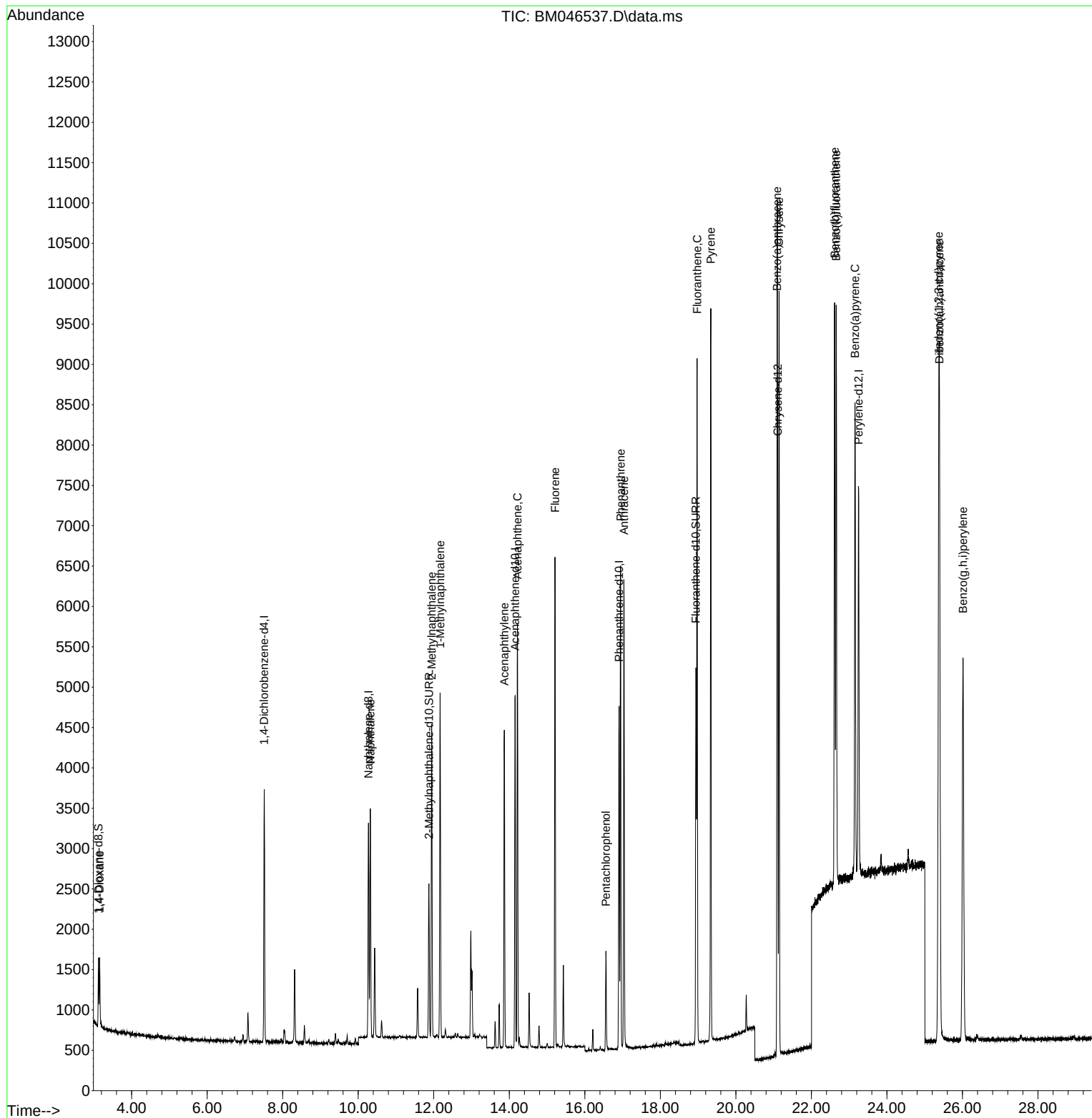
| Compound                    | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| -----                       |        |      |          |       |         |          |
| Internal Standards          |        |      |          |       |         |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.510  | 152  | 1510     | 0.400 | ng/ul   | 0.00     |
| 4) Naphthalene-d8           | 10.271 | 136  | 3569     | 0.400 | ng/ul # | 0.00     |
| 9) Acenaphthene-d10         | 14.155 | 164  | 2401     | 0.400 | ng/ul   | 0.00     |
| 13) Phenanthrene-d10        | 16.905 | 188  | 5445     | 0.400 | ng/ul   | 0.00     |
| 17) Chrysene-d12            | 21.108 | 240  | 4758     | 0.400 | ng/ul # | 0.00     |
| 23) Perylene-d12            | 23.250 | 264  | 5844     | 0.400 | ng/ul # | 0.00     |
|                             |        |      |          |       |         |          |
| System Monitoring Compounds |        |      |          |       |         |          |
| 3) 1,4-Dioxane-d8           | 3.122  | 96   | 504      | 0.406 | ng/ul   | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.871 | 152  | 2412     | 0.419 | ng/ul   | 0.00     |
| 18) Fluoranthene-d10        | 18.942 | 212  | 5651     | 0.390 | ng/ul   | 0.00     |
|                             |        |      |          |       |         |          |
| Target Compounds            |        |      |          |       | Qvalue  |          |
| 2) 1,4-Dioxane              | 3.151  | 88   | 556      | 0.420 | ng/ul#  | 70       |
| 5) Naphthalene              | 10.321 | 128  | 3665     | 0.404 | ng/ul   | 98       |
| 7) 2-Methylnaphthalene      | 11.943 | 142  | 2611     | 0.409 | ng/ul   | 99       |
| 8) 1-Methylnaphthalene      | 12.168 | 142  | 2720     | 0.418 | ng/ul   | 98       |
| 10) Acenaphthylene          | 13.868 | 152  | 4419     | 0.404 | ng/ul   | 98       |
| 11) Acenaphthene            | 14.215 | 153  | 3003     | 0.410 | ng/ul   | 98       |
| 12) Fluorene                | 15.210 | 166  | 3707     | 0.409 | ng/ul   | 97       |
| 14) Pentachlorophenol       | 16.559 | 266  | 761      | 0.276 | ng/ul   | 98       |
| 15) Phenanthrene            | 16.947 | 178  | 6063     | 0.390 | ng/ul   | 99       |
| 16) Anthracene              | 17.036 | 178  | 5924     | 0.391 | ng/ul   | 100      |
| 19) Fluoranthene            | 18.974 | 202  | 7700     | 0.394 | ng/ul   | 97       |
| 20) Pyrene                  | 19.337 | 202  | 7895     | 0.373 | ng/ul#  | 97       |
| 21) Benzo(a)anthracene      | 21.093 | 228  | 7980     | 0.379 | ng/ul   | 99       |
| 22) Chrysene                | 21.143 | 228  | 7681     | 0.377 | ng/ul   | 100      |
| 24) Benzo(b)fluoranthene    | 22.616 | 252  | 8853     | 0.379 | ng/ul   | 96       |
| 25) Benzo(k)fluoranthene    | 22.656 | 252  | 8865     | 0.387 | ng/ul#  | 97       |
| 26) Benzo(a)pyrene          | 23.153 | 252  | 8251     | 0.429 | ng/ul#  | 96       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.373 | 276  | 11591    | 0.396 | ng/ul#  | 100      |
| 28) Dibenzo(a,h)anthracene  | 25.393 | 278  | 9361     | 0.404 | ng/ul   | 98       |
| 29) Benzo(g,h,i)perylene    | 26.014 | 276  | 9680     | 0.415 | ng/ul   | 98       |
| -----                       |        |      |          |       |         |          |

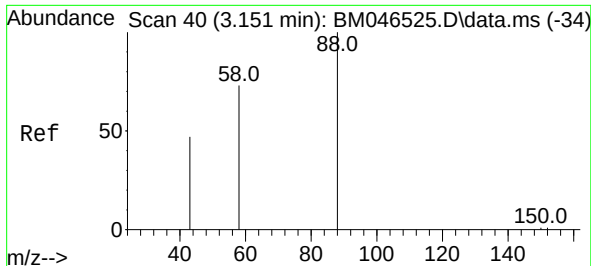
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM071124\  
Data File : BM046537.D  
Acq On : 12 Jul 2024 04:18  
Operator : MA/JU  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4162

Quant Time: Jul 12 05:12:56 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM071024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 12 05:09:19 2024  
Response via : Initial Calibration

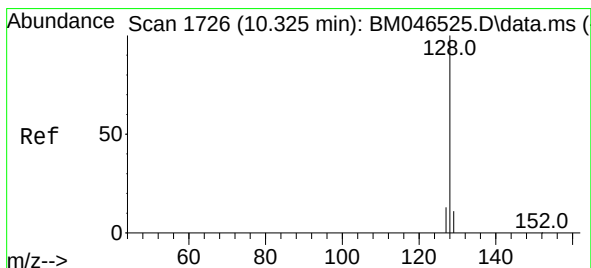
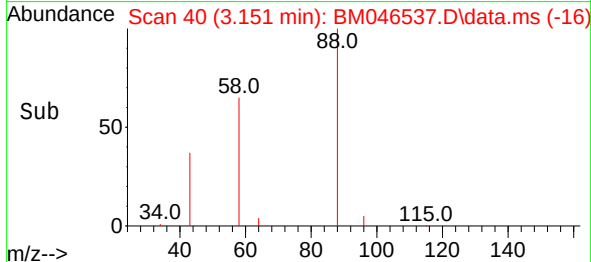
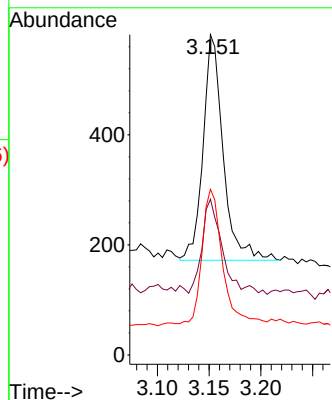
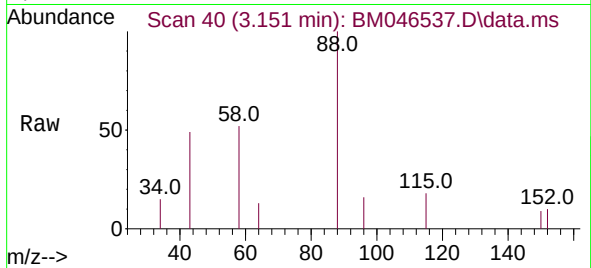




#2  
1,4-Dioxane  
Concen: 0.420 ng/ul  
RT: 3.151 min Scan# 40  
Delta R.T. 0.000 min  
Lab File: BM046537.D  
Acq: 12 Jul 2024 04:18

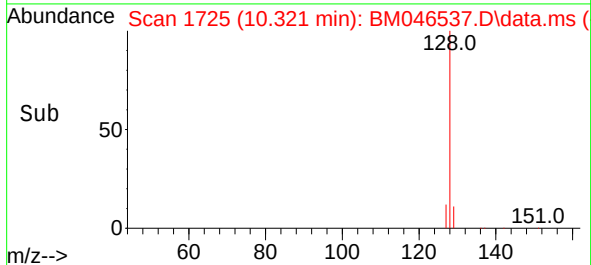
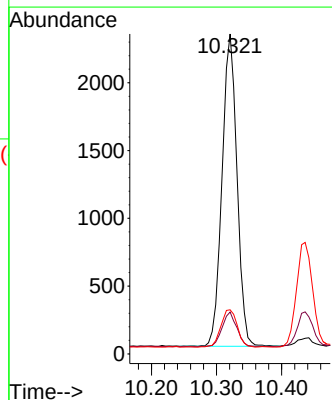
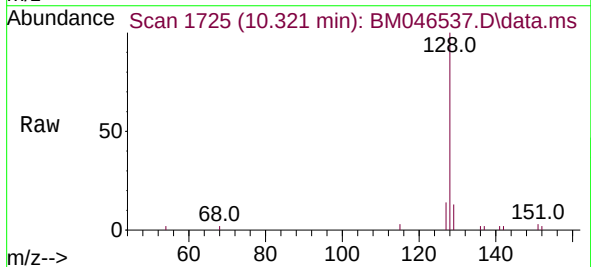
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4162

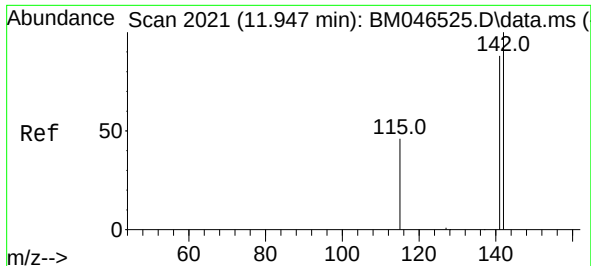
Tgt Ion: 88 Resp: 556  
Ion Ratio Lower Upper  
88 100  
43 48.6 70.2 105.4#  
58 51.7 48.2 72.4



#5  
Naphthalene  
Concen: 0.404 ng/ul  
RT: 10.321 min Scan# 1725  
Delta R.T. -0.004 min  
Lab File: BM046537.D  
Acq: 12 Jul 2024 04:18

Tgt Ion: 128 Resp: 3665  
Ion Ratio Lower Upper  
128 100  
129 13.1 10.3 15.5  
127 13.8 12.2 18.4

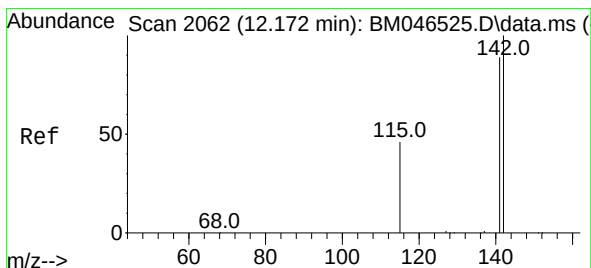
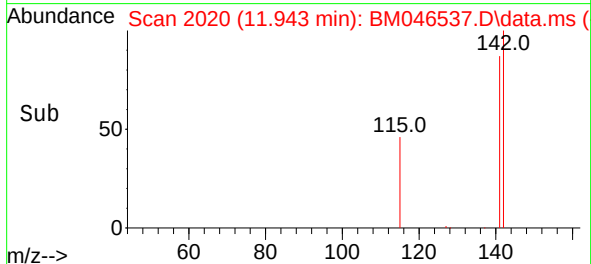
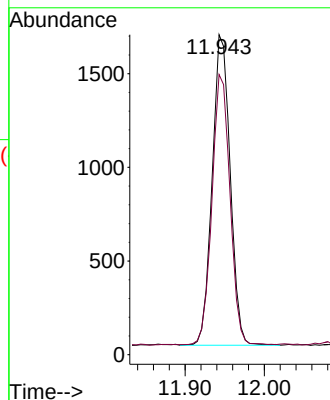
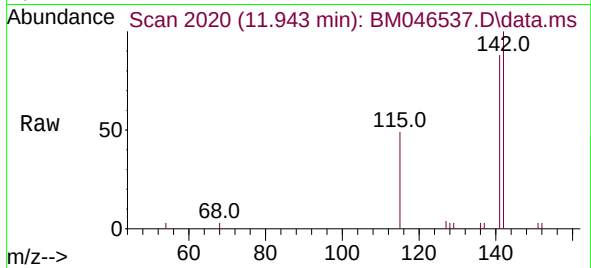




#7  
2-Methylnaphthalene  
Concen: 0.409 ng/ul  
RT: 11.943 min Scan# 2020  
Delta R.T. -0.004 min  
Lab File: BM046537.D  
Acq: 12 Jul 2024 04:18

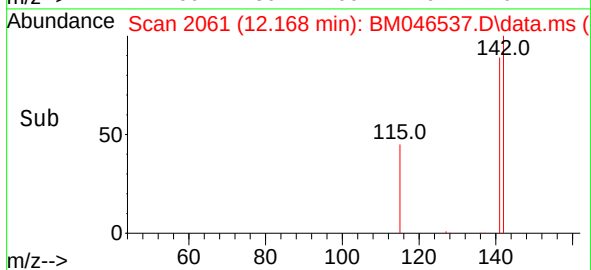
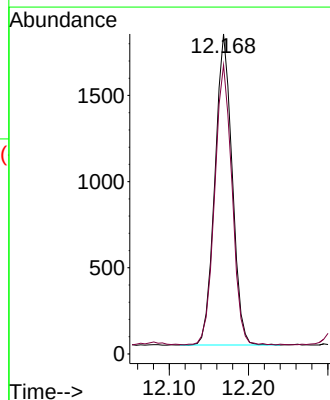
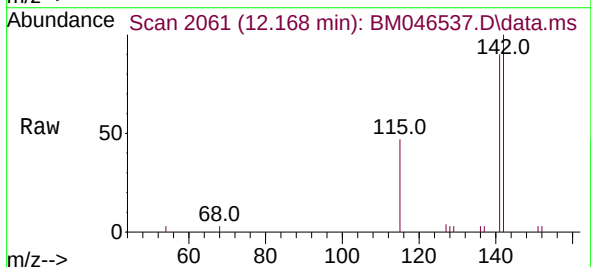
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4162

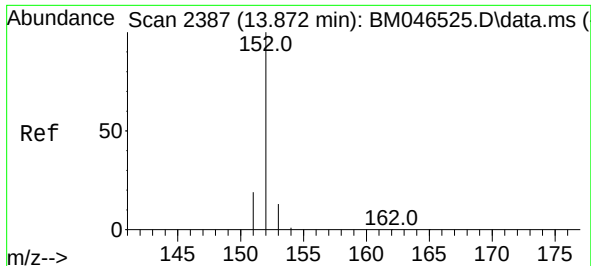
Tgt Ion:142 Resp: 2611  
Ion Ratio Lower Upper  
142 100  
141 86.9 70.3 105.5



#8  
1-Methylnaphthalene  
Concen: 0.418 ng/ul  
RT: 12.168 min Scan# 2061  
Delta R.T. -0.004 min  
Lab File: BM046537.D  
Acq: 12 Jul 2024 04:18

Tgt Ion:142 Resp: 2720  
Ion Ratio Lower Upper  
142 100  
141 90.7 73.9 110.9

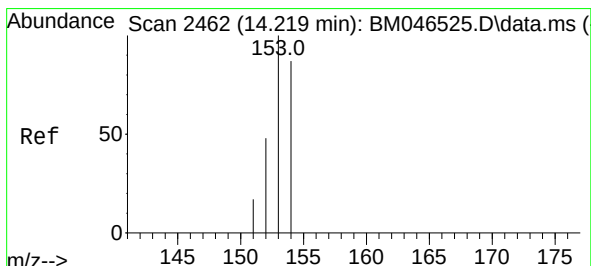
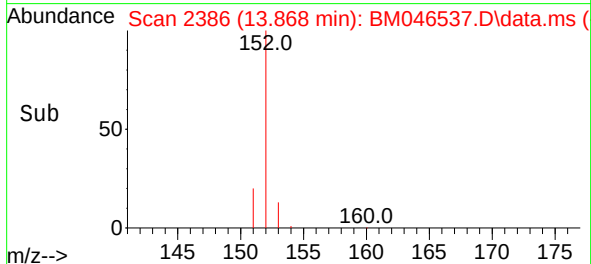
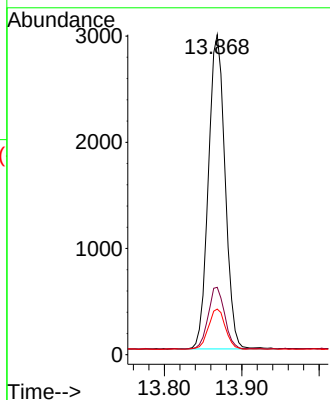
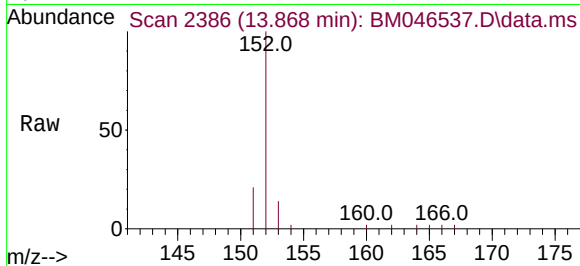




#10  
Acenaphthylene  
Concen: 0.404 ng/ul  
RT: 13.868 min Scan# 2419  
Delta R.T. -0.003 min  
Lab File: BM046537.D  
Acq: 12 Jul 2024 04:18

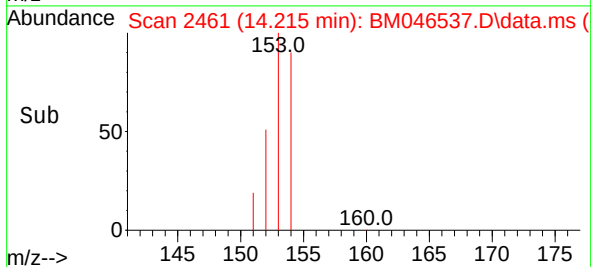
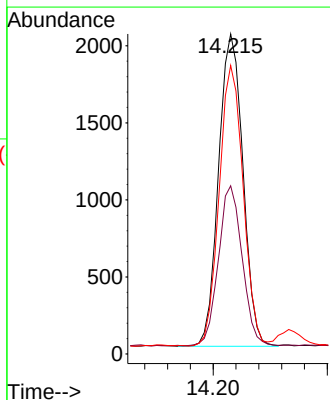
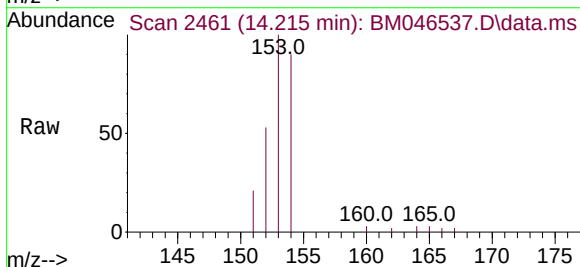
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4162

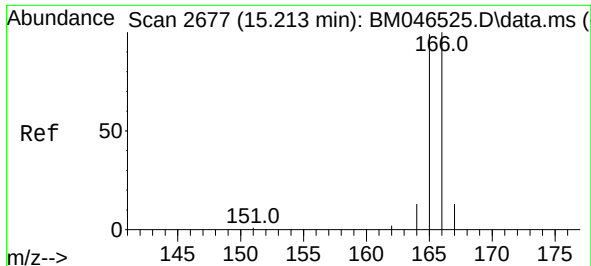
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 4419  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 151      | 21.1  | 16.4  | 24.6  |
| 153      | 14.2  | 12.4  | 18.6  |



#11  
Acenaphthene  
Concen: 0.410 ng/ul  
RT: 14.215 min Scan# 2461  
Delta R.T. -0.003 min  
Lab File: BM046537.D  
Acq: 12 Jul 2024 04:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 153   | Resp: | 3003  |
| Ion      | Ratio | Lower | Upper |
| 153      | 100   |       |       |
| 152      | 52.6  | 43.0  | 64.6  |
| 154      | 90.1  | 69.9  | 104.9 |

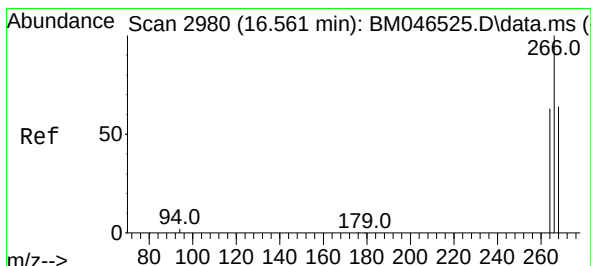
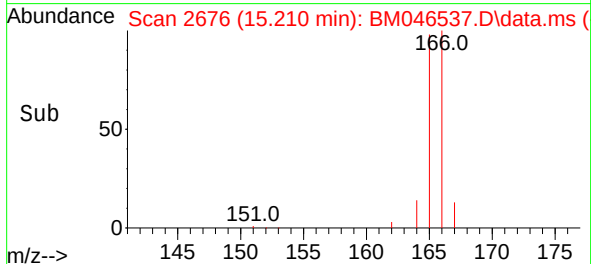
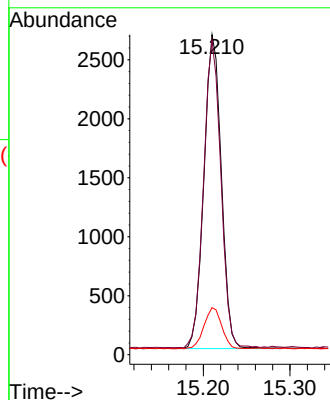
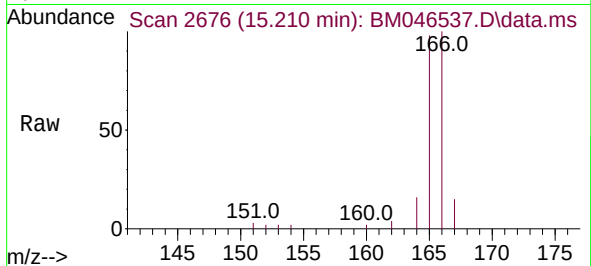




#12  
Fluorene  
Concen: 0.409 ng/ul  
RT: 15.210 min Scan# 2  
Delta R.T. -0.003 min  
Lab File: BM046537.D  
Acq: 12 Jul 2024 04:18

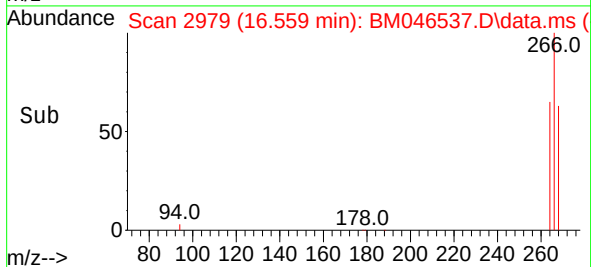
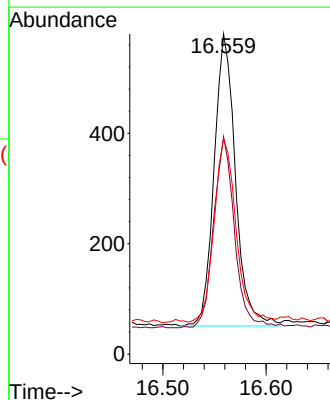
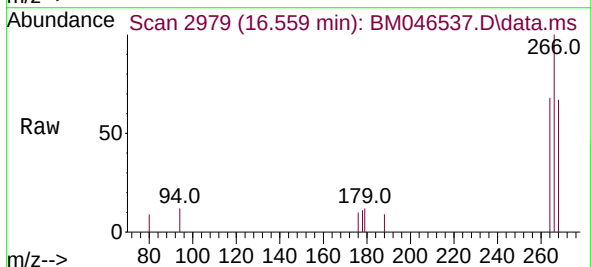
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4162

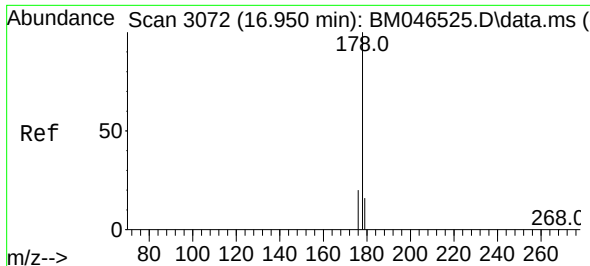
Tgt Ion:166 Resp: 3707  
Ion Ratio Lower Upper  
166 100  
165 98.2 76.1 114.1  
167 14.7 12.5 18.7



#14  
Pentachlorophenol  
Concen: 0.276 ng/ul  
RT: 16.559 min Scan# 2979  
Delta R.T. -0.003 min  
Lab File: BM046537.D  
Acq: 12 Jul 2024 04:18

Tgt Ion:266 Resp: 761  
Ion Ratio Lower Upper  
266 100  
264 64.4 50.1 75.1  
268 64.5 52.5 78.7

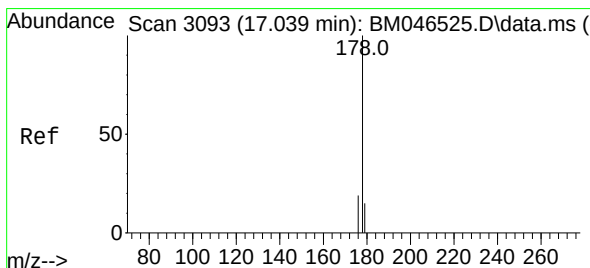
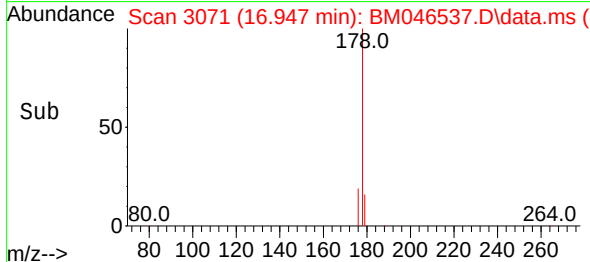
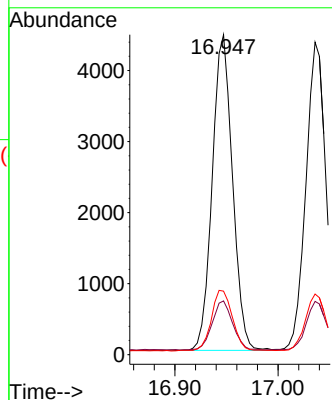
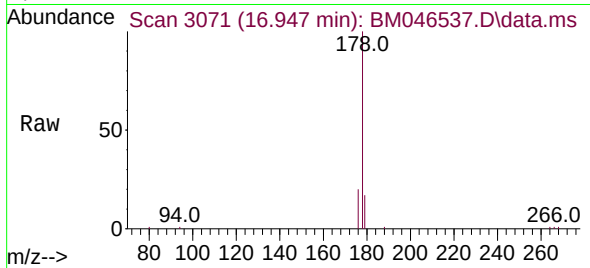




#15  
Phenanthrene  
Concen: 0.390 ng/ul  
RT: 16.947 min Scan# 3071  
Delta R.T. -0.003 min  
Lab File: BM046537.D  
Acq: 12 Jul 2024 04:18

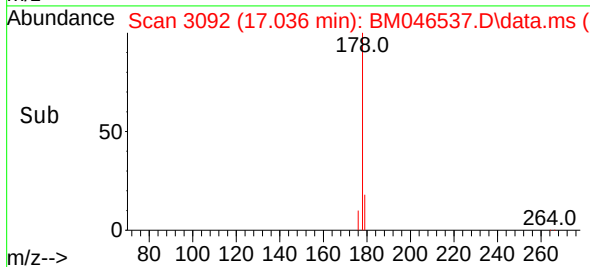
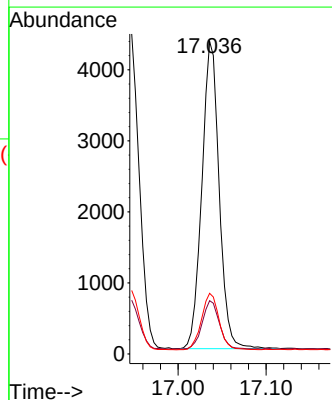
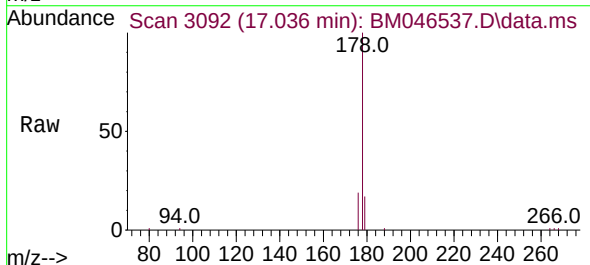
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4162

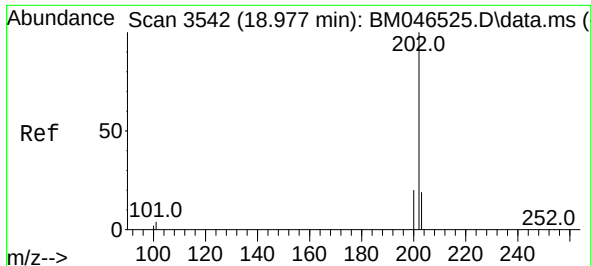
Tgt Ion:178 Resp: 6063  
Ion Ratio Lower Upper  
178 100  
179 16.8 13.1 19.7  
176 19.8 16.0 24.0



#16  
Anthracene  
Concen: 0.391 ng/ul  
RT: 17.036 min Scan# 3092  
Delta R.T. -0.003 min  
Lab File: BM046537.D  
Acq: 12 Jul 2024 04:18

Tgt Ion:178 Resp: 5924  
Ion Ratio Lower Upper  
178 100  
179 17.1 13.5 20.3  
176 19.4 15.7 23.5





#19

Fluoranthene

Concen: 0.394 ng/ul

RT: 18.974 min Scan# 3541

Delta R.T. -0.003 min

Lab File: BM046537.D

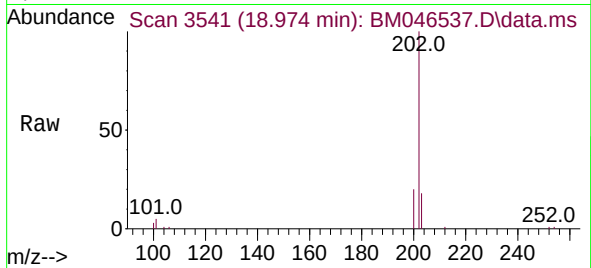
Acq: 12 Jul 2024 04:18

Instrument :

BNA\_M

ClientSampleId :

SSTD0.4162



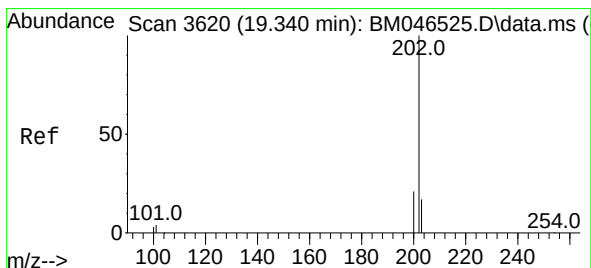
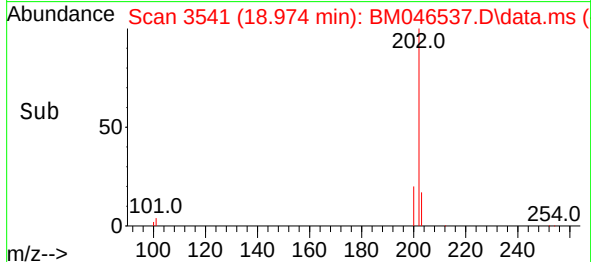
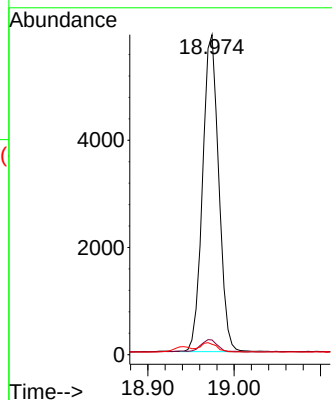
Tgt Ion:202 Resp: 7700

Ion Ratio Lower Upper

202 100

101 4.6 4.6 6.8

100 3.3 3.0 4.6



#20

Pyrene

Concen: 0.373 ng/ul

RT: 19.337 min Scan# 3619

Delta R.T. -0.003 min

Lab File: BM046537.D

Acq: 12 Jul 2024 04:18

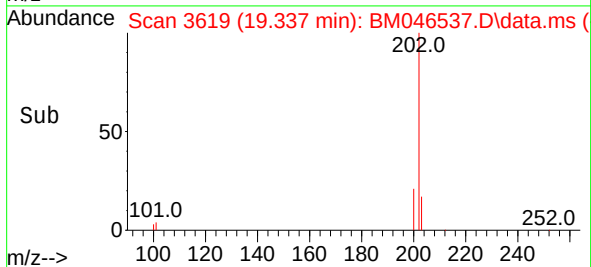
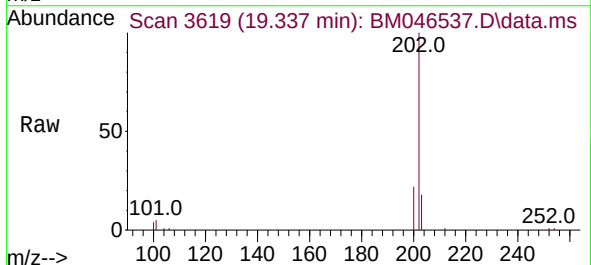
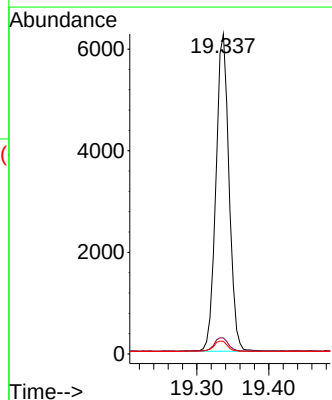
Tgt Ion:202 Resp: 7895

Ion Ratio Lower Upper

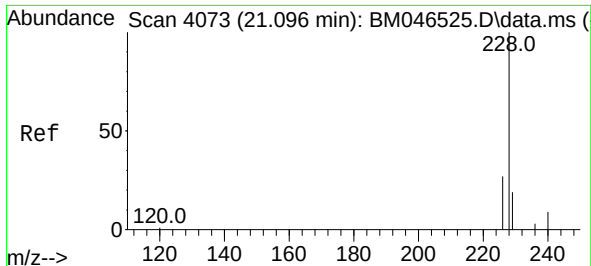
202 100

101 5.0 5.1 7.7#

100 4.0 3.8 5.6

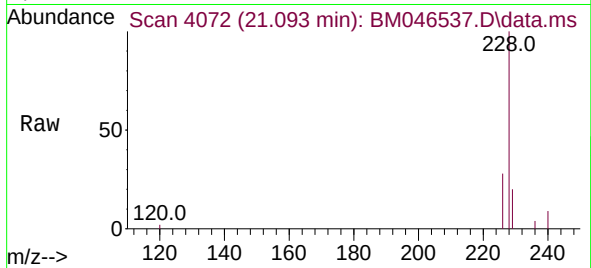




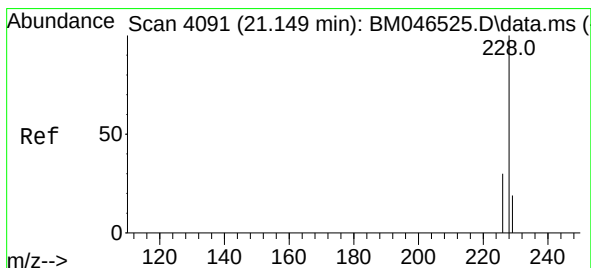
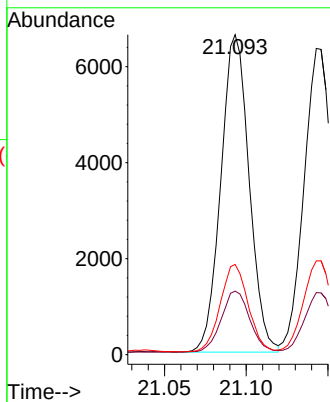
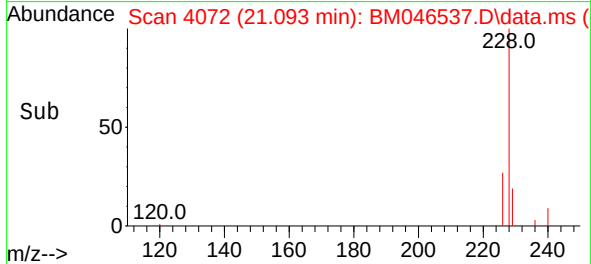


#21  
Benzo(a)anthracene  
Concen: 0.379 ng/ul  
RT: 21.093 min Scan# 4072  
Delta R.T. -0.003 min  
Lab File: BM046537.D  
Acq: 12 Jul 2024 04:18

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4162

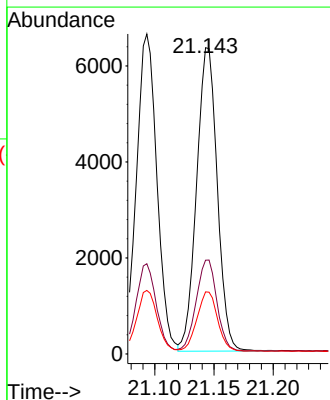
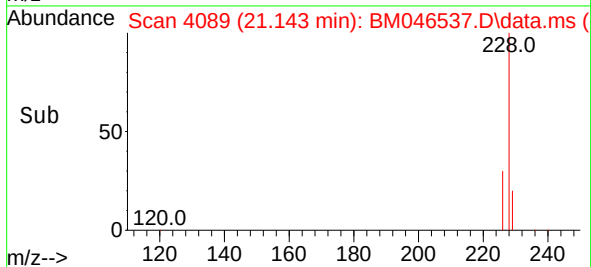
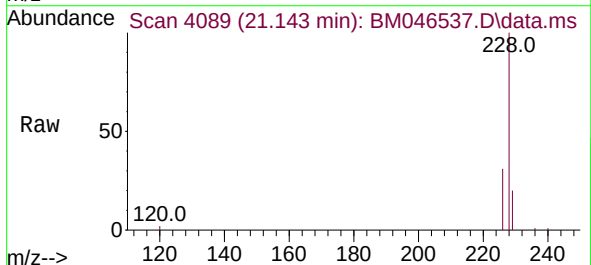


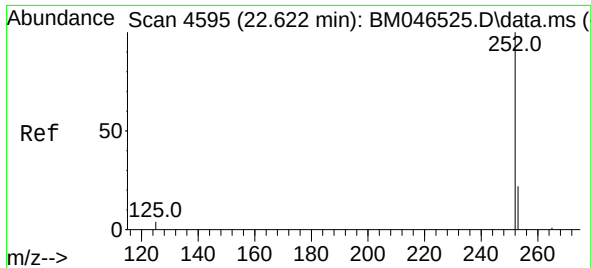
Tgt Ion:228 Resp: 7980  
Ion Ratio Lower Upper  
228 100  
229 19.8 16.5 24.7  
226 28.2 22.5 33.7



#22  
Chrysene  
Concen: 0.377 ng/ul  
RT: 21.143 min Scan# 4089  
Delta R.T. -0.006 min  
Lab File: BM046537.D  
Acq: 12 Jul 2024 04:18

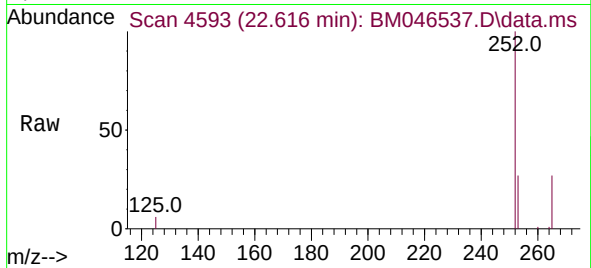
Tgt Ion:228 Resp: 7681  
Ion Ratio Lower Upper  
228 100  
226 30.6 24.3 36.5  
229 20.3 16.4 24.6



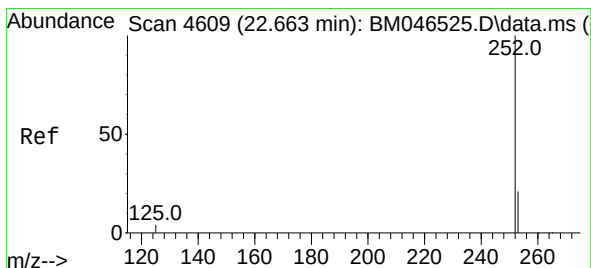
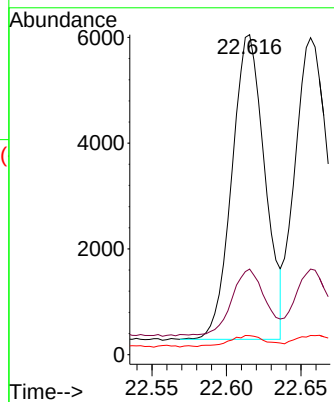


#24  
Benzo(b)fluoranthene  
Concen: 0.379 ng/ul  
RT: 22.616 min Scan# 4593  
Delta R.T. -0.006 min  
Lab File: BM046537.D  
Acq: 12 Jul 2024 04:18

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4162

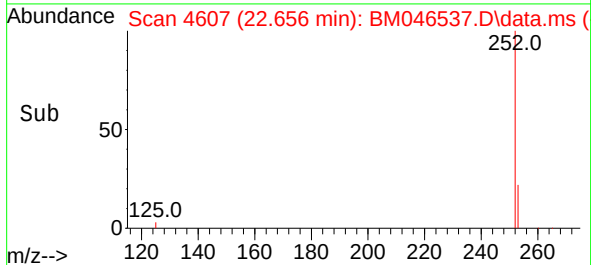
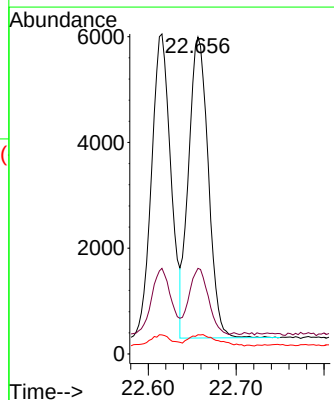
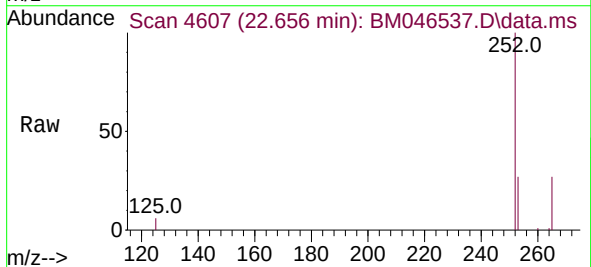


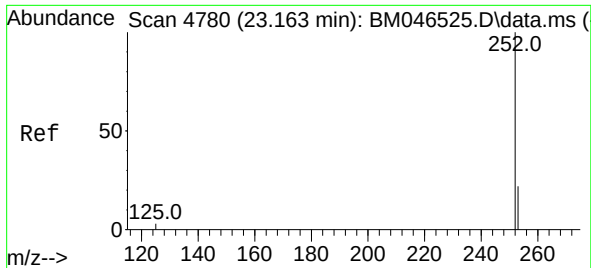
Tgt Ion:252 Resp: 8853  
Ion Ratio Lower Upper  
252 100  
253 26.7 0.0 56.2  
125 5.9 0.0 17.8



#25  
Benzo(k)fluoranthene  
Concen: 0.387 ng/ul  
RT: 22.656 min Scan# 4607  
Delta R.T. -0.006 min  
Lab File: BM046537.D  
Acq: 12 Jul 2024 04:18

Tgt Ion:252 Resp: 8865  
Ion Ratio Lower Upper  
252 100  
253 27.0 22.4 33.6  
125 6.1 7.0 10.4#

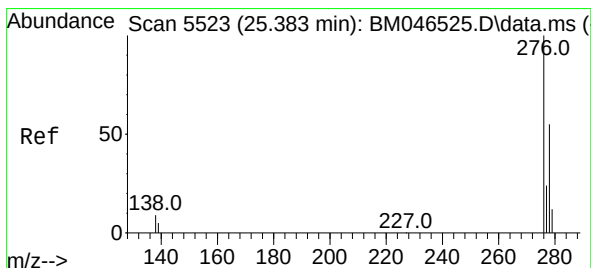
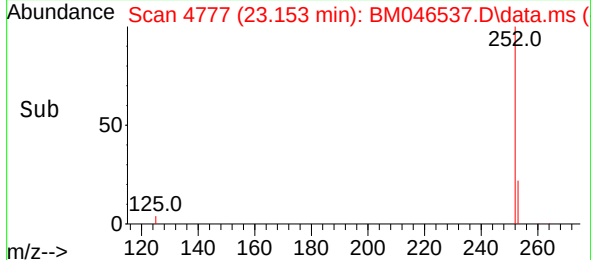
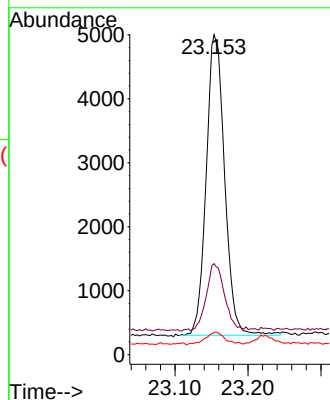
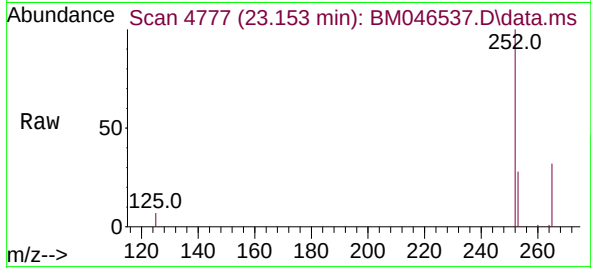




#26  
Benzo(a)pyrene  
Concen: 0.429 ng/ul  
RT: 23.153 min Scan# 41  
Delta R.T. -0.009 min  
Lab File: BM046537.D  
Acq: 12 Jul 2024 04:18

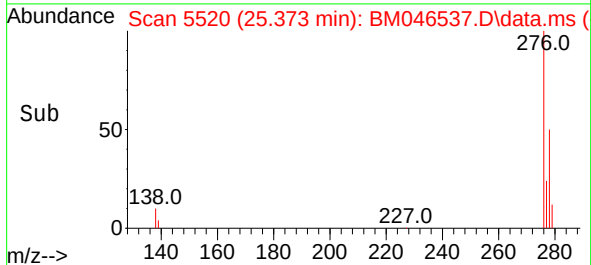
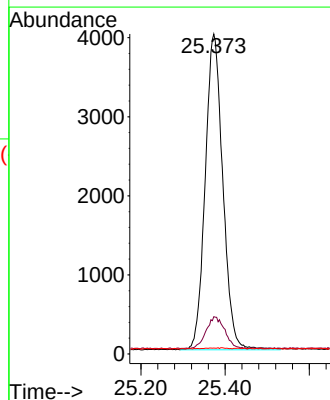
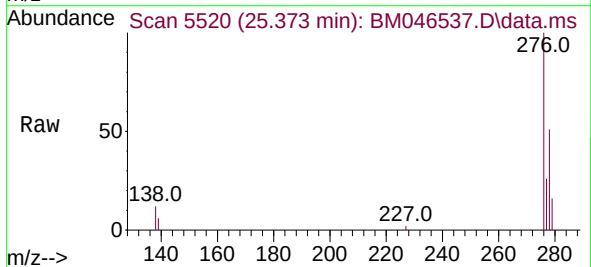
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4162

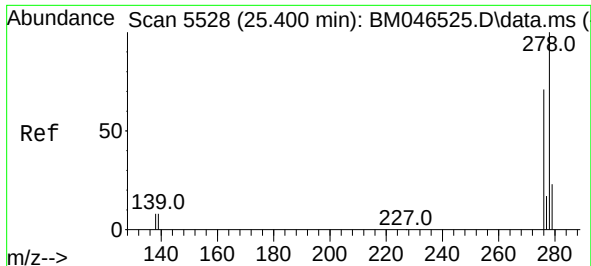
Tgt Ion:252 Resp: 8251  
Ion Ratio Lower Upper  
252 100  
253 28.4 24.0 36.0  
125 6.9 8.2 12.2#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.396 ng/ul  
RT: 25.373 min Scan# 5520  
Delta R.T. -0.010 min  
Lab File: BM046537.D  
Acq: 12 Jul 2024 04:18

Tgt Ion:276 Resp: 11591  
Ion Ratio Lower Upper  
276 100  
138 10.8 0.0 0.0#  
227 0.2 0.2 0.2





#28

Dibenzo(a,h)anthracene

Concen: 0.404 ng/ul

RT: 25.393 min Scan# 51

Delta R.T. -0.007 min

Lab File: BM046537.D

Acq: 12 Jul 2024 04:18

Instrument :

BNA\_M

ClientSampleId :

SSTD0.4162

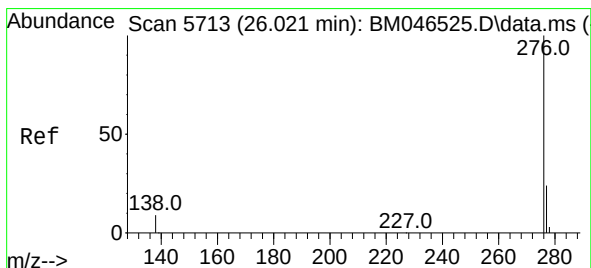
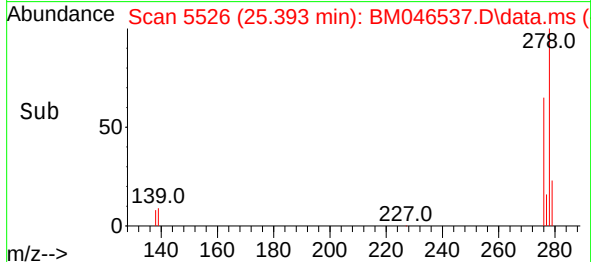
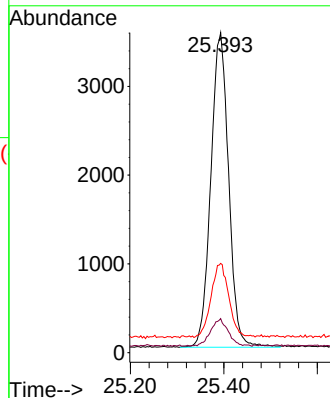
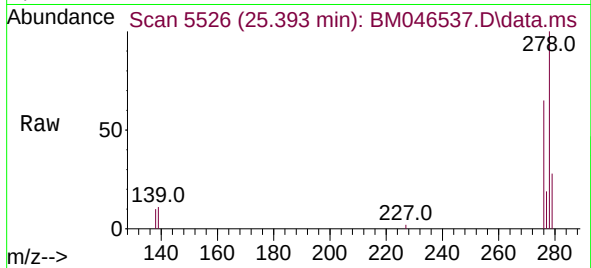
Tgt Ion:278 Resp: 9361

Ion Ratio Lower Upper

278 100

139 10.7 9.1 13.7

279 27.9 23.2 34.8



#29

Benzo(g,h,i)perylene

Concen: 0.415 ng/ul

RT: 26.014 min Scan# 5711

Delta R.T. -0.007 min

Lab File: BM046537.D

Acq: 12 Jul 2024 04:18

Tgt Ion:276 Resp: 9680

Ion Ratio Lower Upper

276 100

138 11.0 10.2 15.4

277 25.4 20.9 31.3

