

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM092823\  
 Data File : BM042135.D  
 Acq On : 29 Sep 2023 03:28  
 Operator : MA/JU  
 Sample : PB155824BS  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS824

Quant Time: Sep 29 04:43:21 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM092223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 29 04:39:33 2023  
 Response via : Initial Calibration

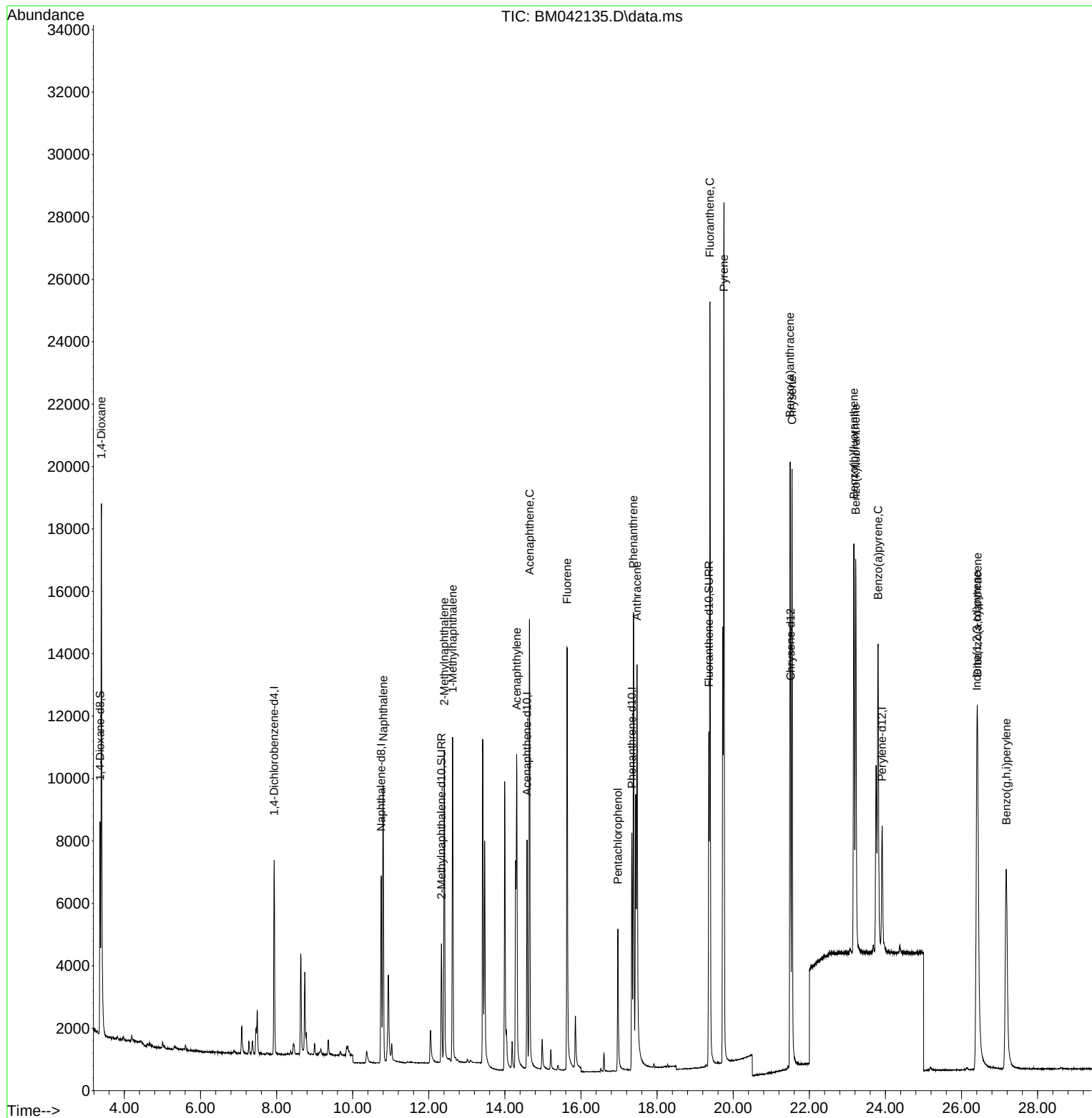
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.937  | 152  | 3228     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.752 | 136  | 8090     | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.583 | 164  | 3944     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.337 | 188  | 8659     | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.510 | 240  | 5566     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.912 | 264  | 5618     | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.364  | 96   | 4426     | 1.006 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.335 | 152  | 5324     | 0.526 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.362 | 212  | 10022    | 0.437 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.397  | 88   | 11494    | 2.484 | ng/ul# | 86       |
| 5) Naphthalene              | 10.801 | 128  | 12185    | 0.450 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.407 | 142  | 7583     | 0.469 | ng/ul  | 98       |
| 8) 1-Methylnaphthalene      | 12.627 | 142  | 7327     | 0.447 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.310 | 152  | 12199    | 0.462 | ng/ul  | 100      |
| 11) Acenaphthene            | 14.648 | 153  | 8845     | 0.437 | ng/ul  | 98       |
| 12) Fluorene                | 15.638 | 166  | 10121    | 0.443 | ng/ul  | 100      |
| 14) Pentachlorophenol       | 16.970 | 266  | 3487     | 0.761 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.379 | 178  | 16855    | 0.420 | ng/ul  | 99       |
| 16) Anthracene              | 17.472 | 178  | 15361    | 0.443 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.389 | 202  | 20474    | 0.325 | ng/ul  | 99       |
| 20) Pyrene                  | 19.757 | 202  | 22070    | 0.357 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.495 | 228  | 16363    | 0.388 | ng/ul  | 99       |
| 22) Chrysene                | 21.547 | 228  | 17158    | 0.394 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.170 | 252  | 17398    | 0.402 | ng/ul  | 99       |
| 25) Benzo(k)fluoranthene    | 23.219 | 252  | 17349    | 0.413 | ng/ul  | 99       |
| 26) Benzo(a)pyrene          | 23.807 | 252  | 15321    | 0.431 | ng/ul  | 98       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.401 | 276  | 19068    | 0.391 | ng/ul# | 97       |
| 28) Dibenzo(a,h)anthracene  | 26.421 | 278  | 14025    | 0.398 | ng/ul  | 98       |
| 29) Benzo(g,h,i)perylene    | 27.176 | 276  | 16155    | 0.393 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

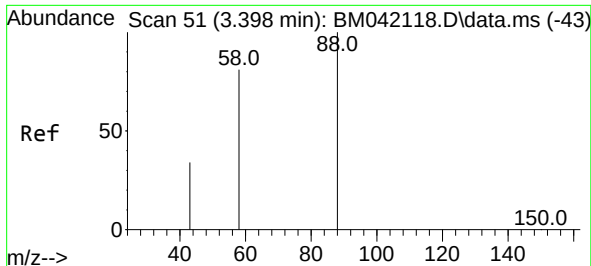
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM092823\  
Data File : BM042135.D  
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Sample : PB155824BS  
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ALS Vial : 32 Sample Multiplier: 1

Instrument :  
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Quant Time: Sep 29 04:43:21 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM092223.M  
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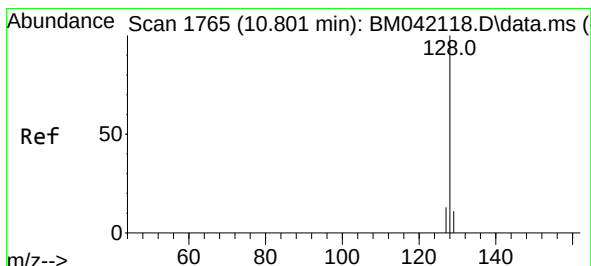
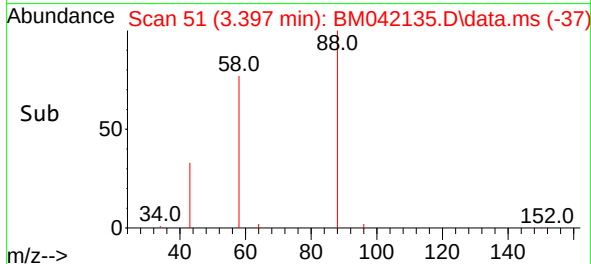
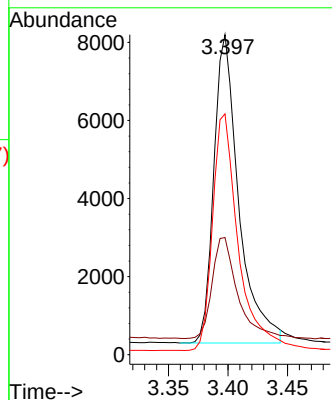
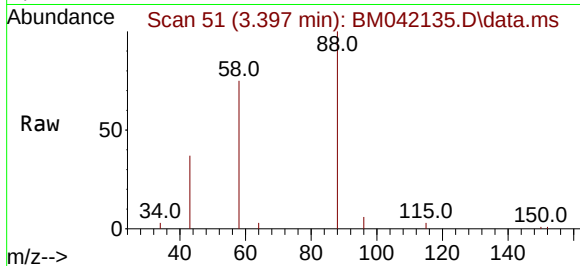




#2  
 1,4-Dioxane  
 Concen: 2.484 ng/ul  
 RT: 3.397 min Scan# 51  
 Delta R.T. -0.000 min  
 Lab File: BM042135.D  
 Acq: 29 Sep 2023 03:28

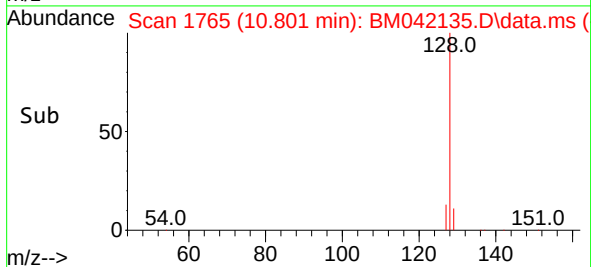
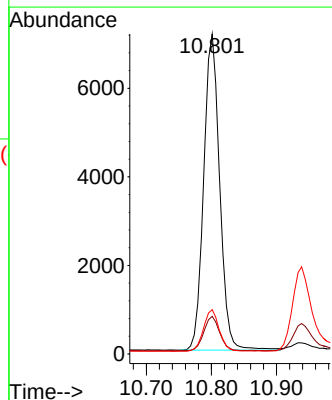
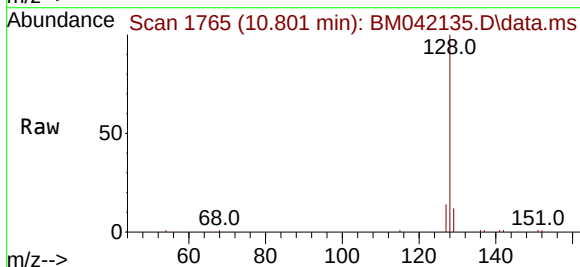
Instrument :  
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 ClientSampleId :  
 SLCS824

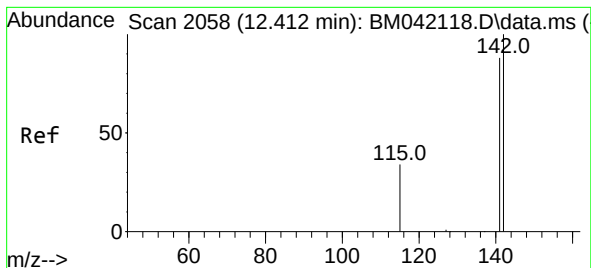
Tgt Ion: 88 Resp: 11494  
 Ion Ratio Lower Upper  
 88 100  
 43 36.6 42.9 64.3#  
 58 75.3 56.4 84.6



#5  
 Naphthalene  
 Concen: 0.450 ng/ul  
 RT: 10.801 min Scan# 1765  
 Delta R.T. -0.000 min  
 Lab File: BM042135.D  
 Acq: 29 Sep 2023 03:28

Tgt Ion: 128 Resp: 12185  
 Ion Ratio Lower Upper  
 128 100  
 129 11.7 9.2 13.8  
 127 13.8 10.8 16.2

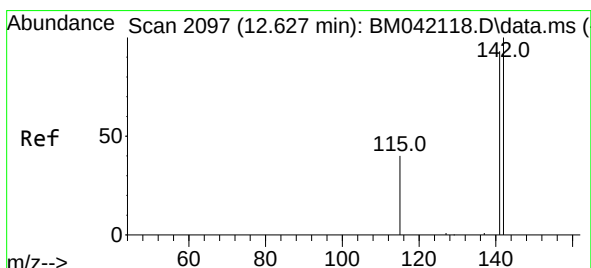
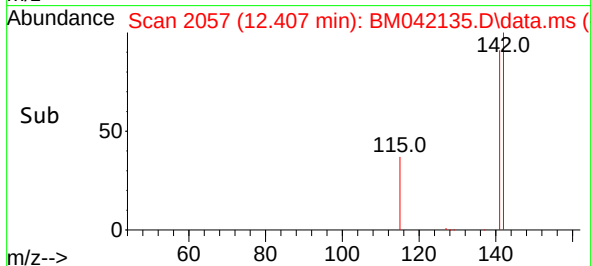
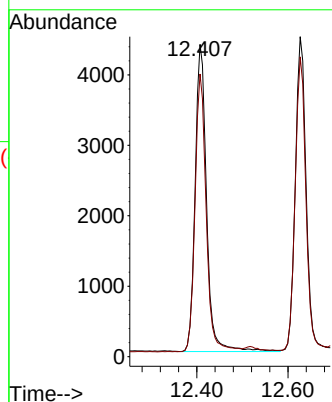
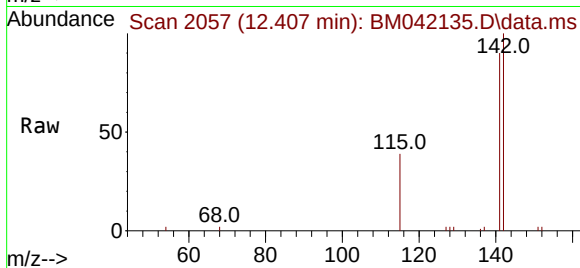




#7  
2-Methylnaphthalene  
Concen: 0.469 ng/ul  
RT: 12.407 min Scan# 2057  
Delta R.T. -0.006 min  
Lab File: BM042135.D  
Acq: 29 Sep 2023 03:28

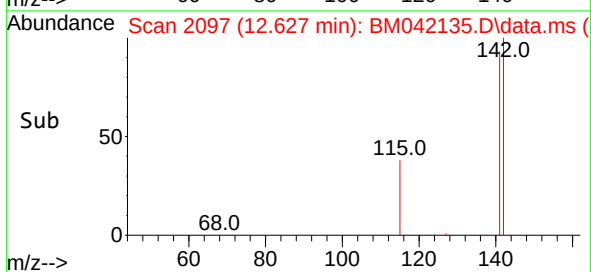
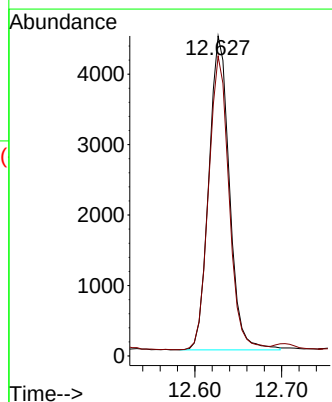
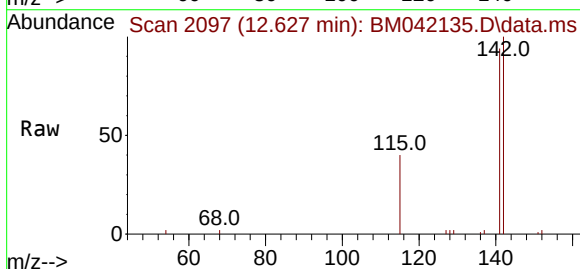
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS824

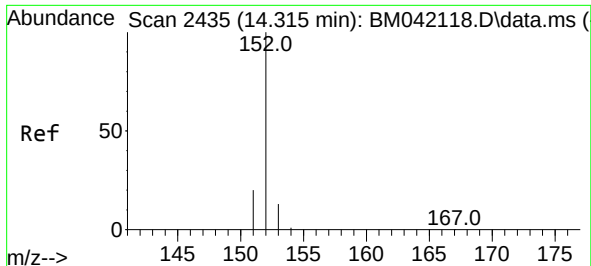
Tgt Ion:142 Resp: 7583  
Ion Ratio Lower Upper  
142 100  
141 88.5 72.1 108.1



#8  
1-Methylnaphthalene  
Concen: 0.447 ng/ul  
RT: 12.627 min Scan# 2097  
Delta R.T. -0.000 min  
Lab File: BM042135.D  
Acq: 29 Sep 2023 03:28

Tgt Ion:142 Resp: 7327  
Ion Ratio Lower Upper  
142 100  
141 93.2 75.1 112.7

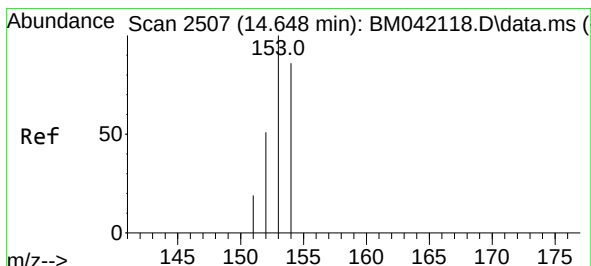
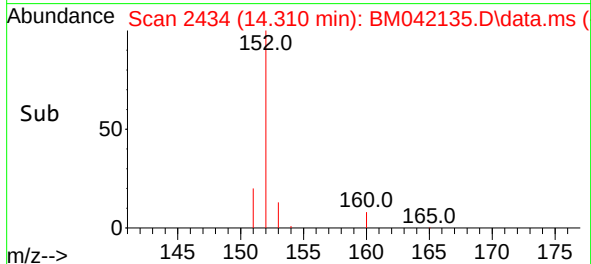
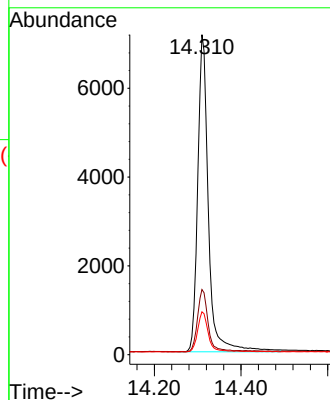
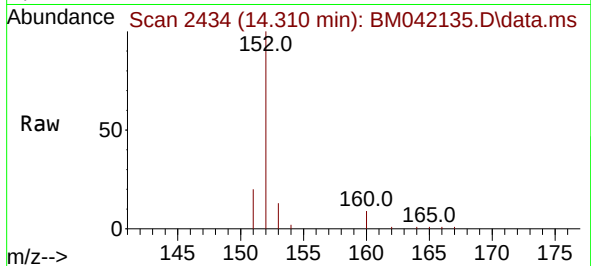




#10  
Acenaphthylene  
Concen: 0.462 ng/ul  
RT: 14.310 min Scan# 2435  
Delta R.T. -0.005 min  
Lab File: BM042135.D  
Acq: 29 Sep 2023 03:28

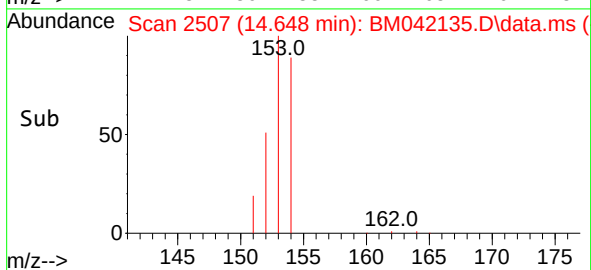
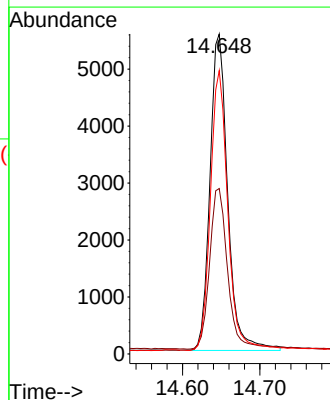
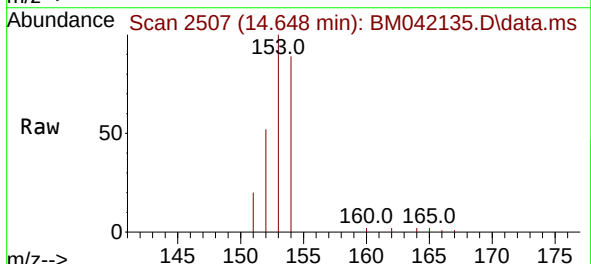
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS824

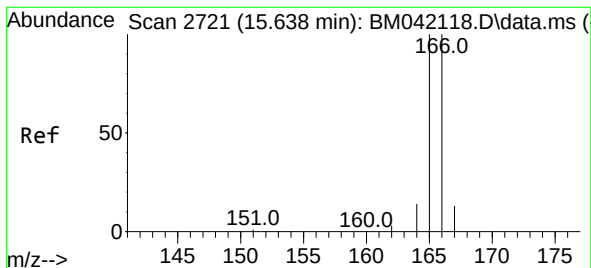
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:152 | Resp: | 12199     |
| Ion Ratio   | Lower | Upper     |
| 152         | 100   |           |
| 151         | 20.4  | 16.2 24.4 |
| 153         | 13.4  | 10.8 16.2 |



#11  
Acenaphthene  
Concen: 0.437 ng/ul  
RT: 14.648 min Scan# 2507  
Delta R.T. -0.000 min  
Lab File: BM042135.D  
Acq: 29 Sep 2023 03:28

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:153 | Resp: | 8845       |
| Ion Ratio   | Lower | Upper      |
| 153         | 100   |            |
| 152         | 51.7  | 41.8 62.8  |
| 154         | 88.5  | 69.0 103.6 |





#12

Fluorene

Concen: 0.443 ng/ul

RT: 15.638 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM042135.D

Acq: 29 Sep 2023 03:28

Instrument :

BNA\_M

ClientSampleId :

SLCS824

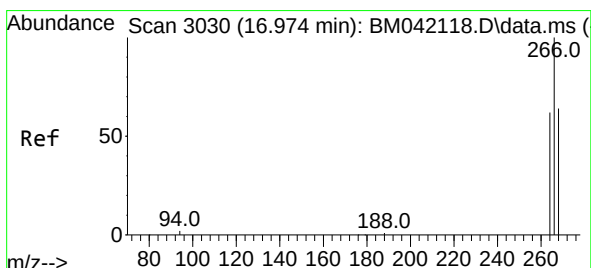
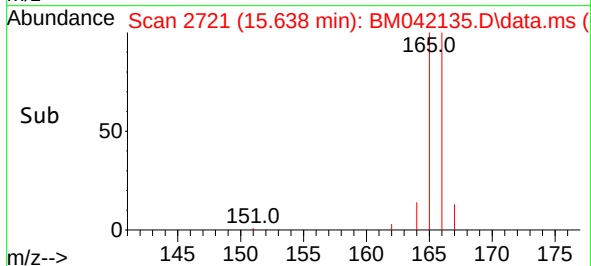
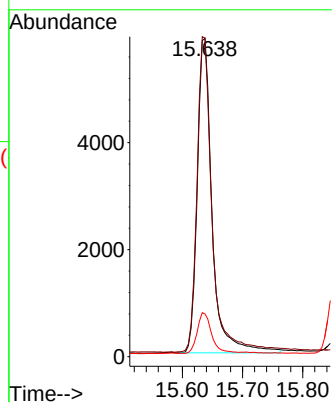
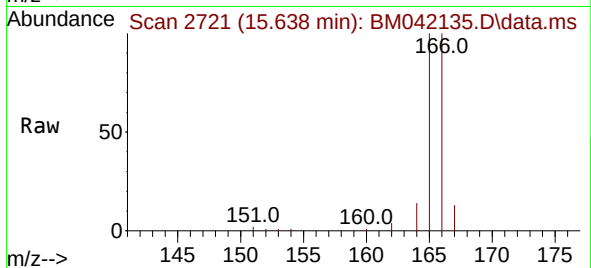
Tgt Ion:166 Resp: 10121

Ion Ratio Lower Upper

166 100

165 100.0 79.8 119.8

167 13.4 11.1 16.7



#14

Pentachlorophenol

Concen: 0.761 ng/ul

RT: 16.970 min Scan# 3029

Delta R.T. -0.004 min

Lab File: BM042135.D

Acq: 29 Sep 2023 03:28

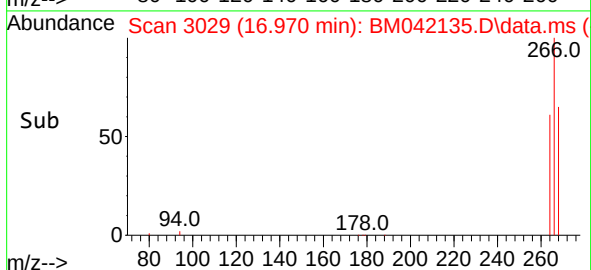
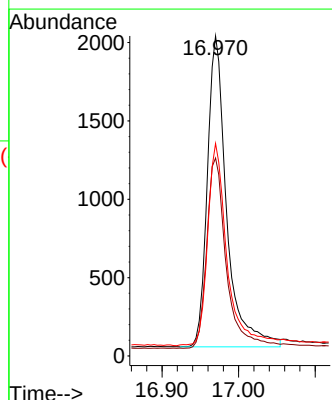
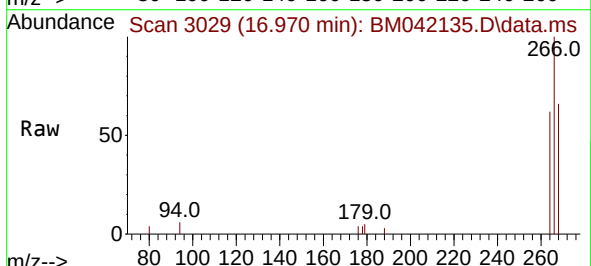
Tgt Ion:266 Resp: 3487

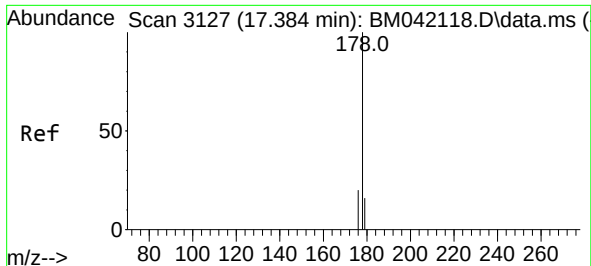
Ion Ratio Lower Upper

266 100

264 62.2 50.2 75.4

268 65.1 51.0 76.4

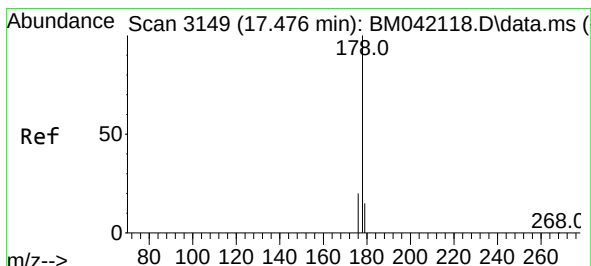
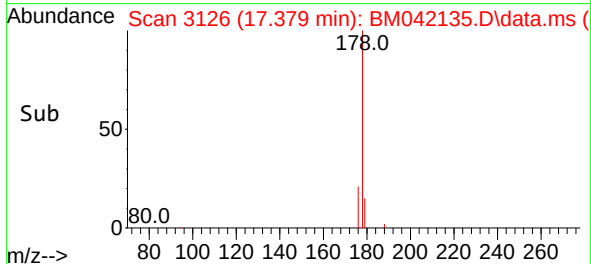
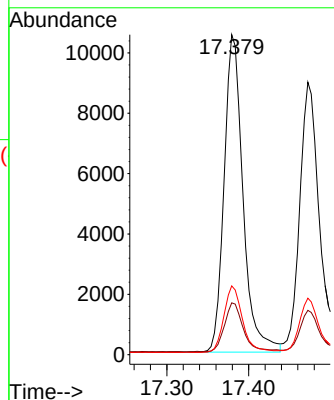
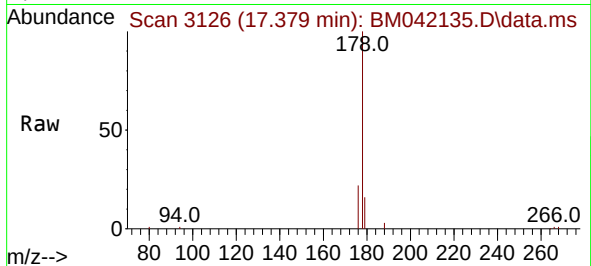




#15  
Phenanthrene  
Concen: 0.420 ng/ul  
RT: 17.379 min Scan# 3127  
Delta R.T. -0.004 min  
Lab File: BM042135.D  
Acq: 29 Sep 2023 03:28

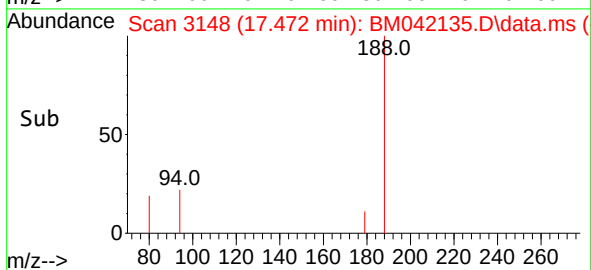
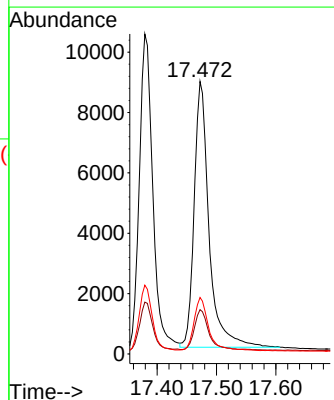
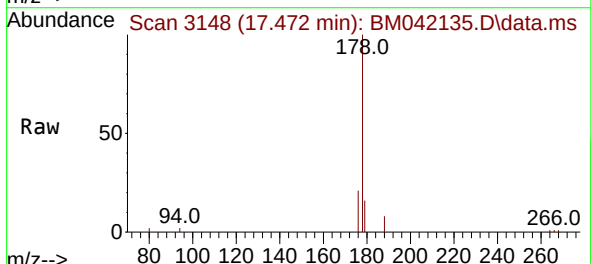
Instrument :  
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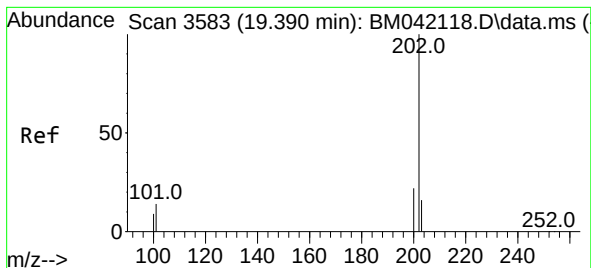
Tgt Ion:178 Resp: 16855  
Ion Ratio Lower Upper  
178 100  
179 16.2 12.7 19.1  
176 21.5 16.6 24.8



#16  
Anthracene  
Concen: 0.443 ng/ul  
RT: 17.472 min Scan# 3148  
Delta R.T. -0.004 min  
Lab File: BM042135.D  
Acq: 29 Sep 2023 03:28

Tgt Ion:178 Resp: 15361  
Ion Ratio Lower Upper  
178 100  
179 16.3 12.9 19.3  
176 20.7 16.2 24.2





#19

Fluoranthene

Concen: 0.325 ng/ul

RT: 19.389 min Scan# 3583

Delta R.T. -0.000 min

Lab File: BM042135.D

Acq: 29 Sep 2023 03:28

Instrument :

BNA\_M

ClientSampleId :

SLCS824

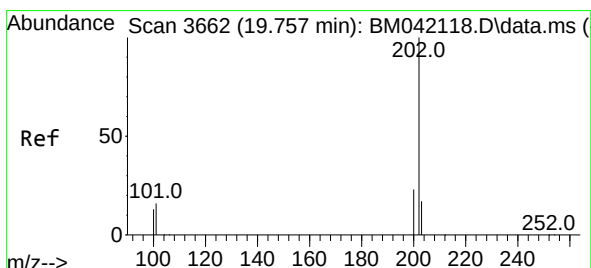
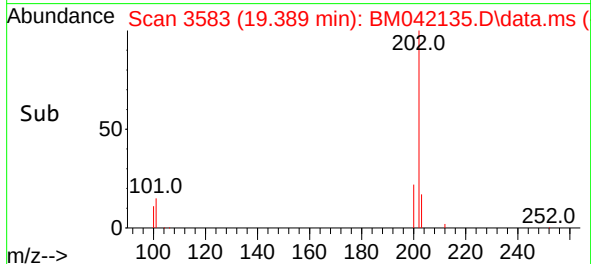
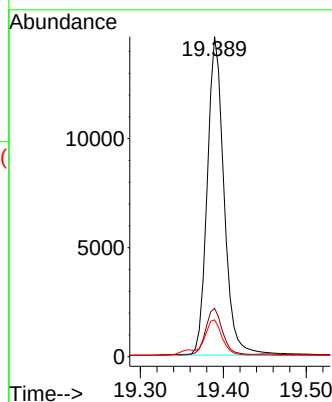
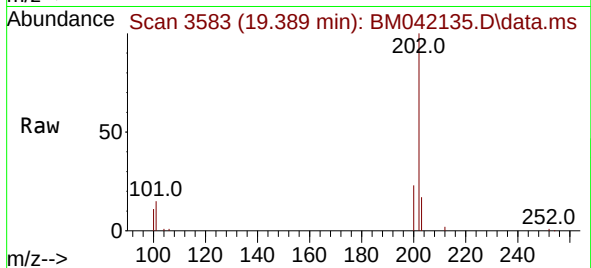
Tgt Ion:202 Resp: 20474

Ion Ratio Lower Upper

202 100

101 15.1 11.8 17.6

100 11.5 9.1 13.7



#20

Pyrene

Concen: 0.357 ng/ul

RT: 19.757 min Scan# 3662

Delta R.T. -0.000 min

Lab File: BM042135.D

Acq: 29 Sep 2023 03:28

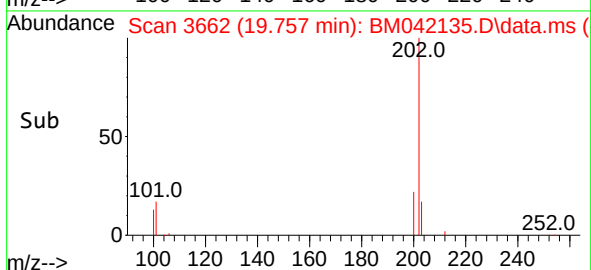
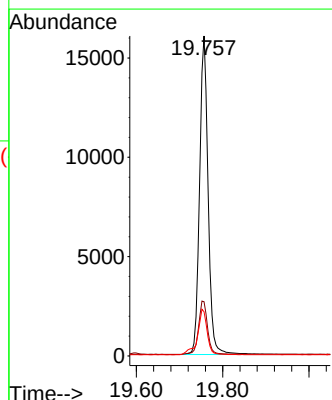
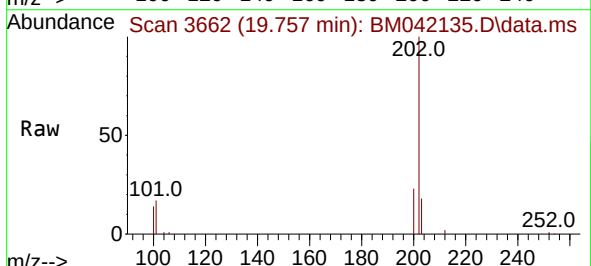
Tgt Ion:202 Resp: 22070

Ion Ratio Lower Upper

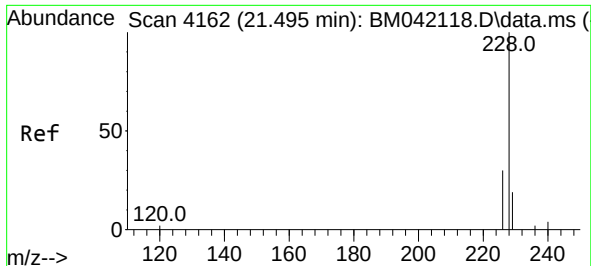
202 100

101 16.9 14.1 21.1

100 13.8 11.4 17.0



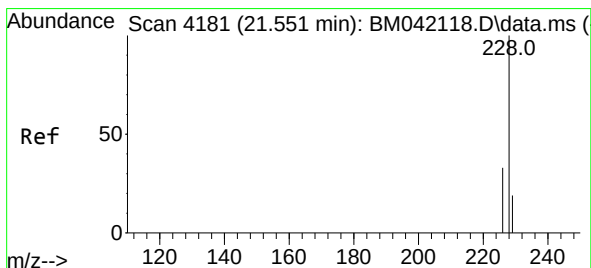
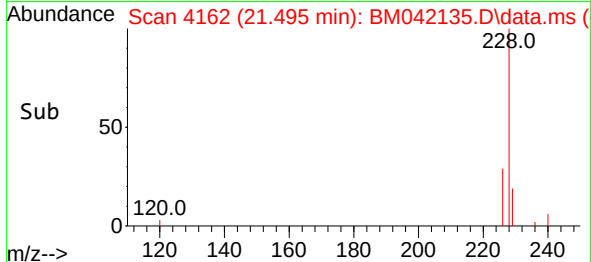
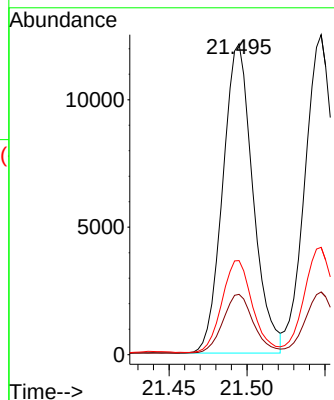
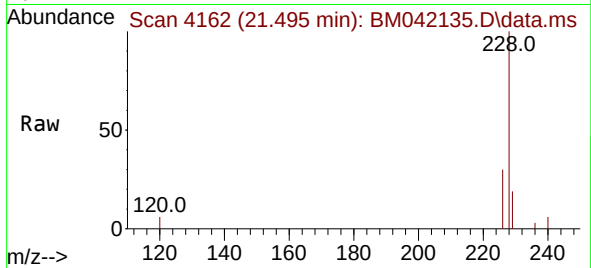




#21  
Benzo(a)anthracene  
Concen: 0.388 ng/ul  
RT: 21.495 min Scan# 4162  
Delta R.T. -0.000 min  
Lab File: BM042135.D  
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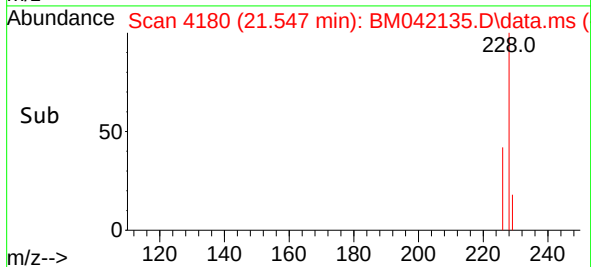
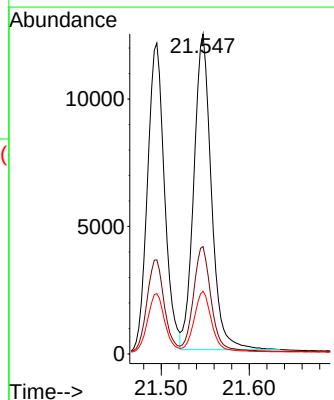
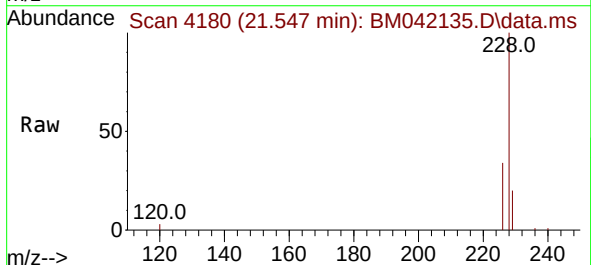
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS824

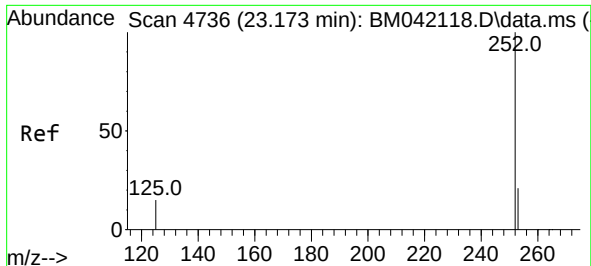
Tgt Ion:228 Resp: 16363  
Ion Ratio Lower Upper  
228 100  
229 19.4 15.5 23.3  
226 30.3 24.8 37.2



#22  
Chrysene  
Concen: 0.394 ng/ul  
RT: 21.547 min Scan# 4180  
Delta R.T. -0.003 min  
Lab File: BM042135.D  
Acq: 29 Sep 2023 03:28

Tgt Ion:228 Resp: 17158  
Ion Ratio Lower Upper  
228 100  
226 33.6 27.8 41.6  
229 19.6 15.6 23.4

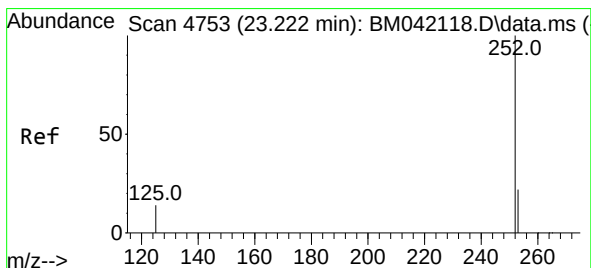
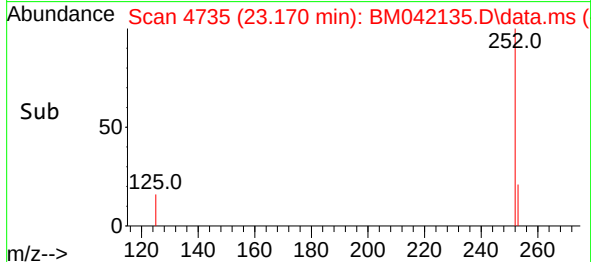
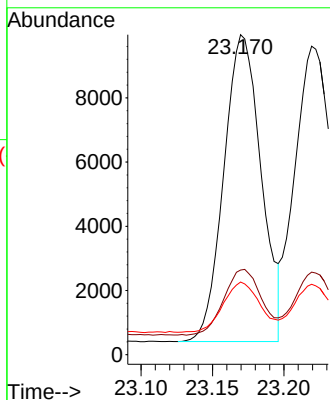
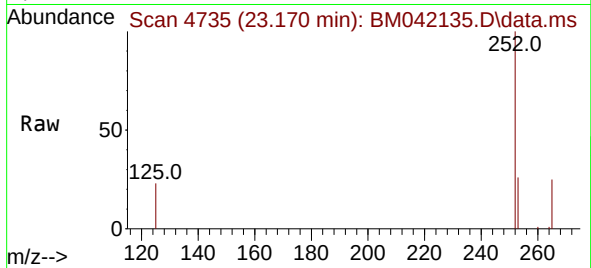




#24  
Benzo(b)fluoranthene  
Concen: 0.402 ng/ul  
RT: 23.170 min Scan# 4735  
Delta R.T. -0.003 min  
Lab File: BM042135.D  
Acq: 29 Sep 2023 03:28

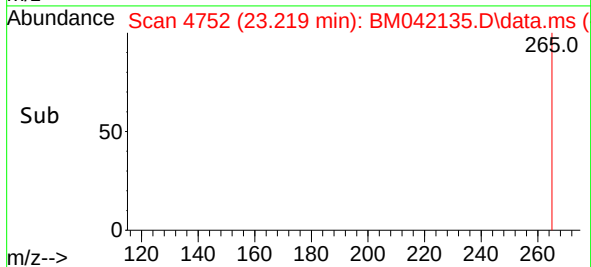
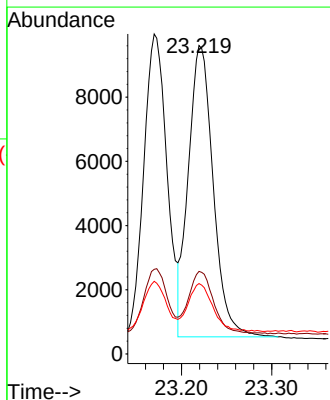
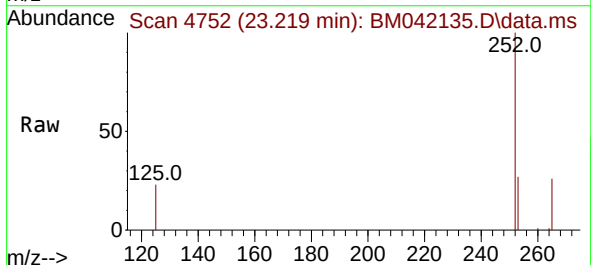
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS824

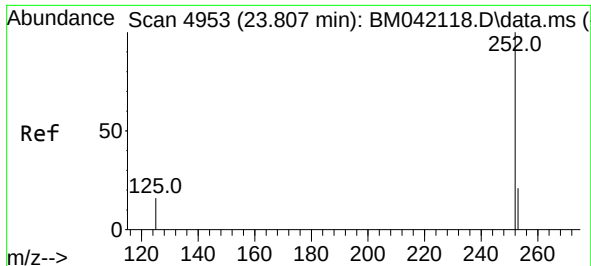
Tgt Ion:252 Resp: 17398  
Ion Ratio Lower Upper  
252 100  
253 26.5 0.0 54.4  
125 22.7 0.0 46.2



#25  
Benzo(k)fluoranthene  
Concen: 0.413 ng/ul  
RT: 23.219 min Scan# 4752  
Delta R.T. -0.003 min  
Lab File: BM042135.D  
Acq: 29 Sep 2023 03:28

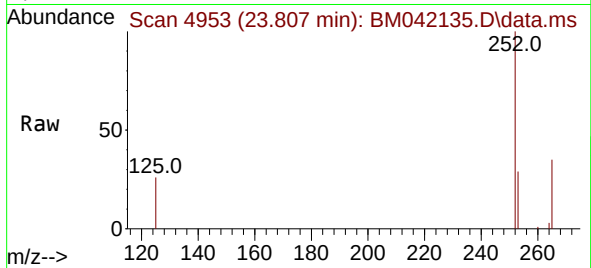
Tgt Ion:252 Resp: 17349  
Ion Ratio Lower Upper  
252 100  
253 26.7 21.0 31.6  
125 22.8 19.0 28.6



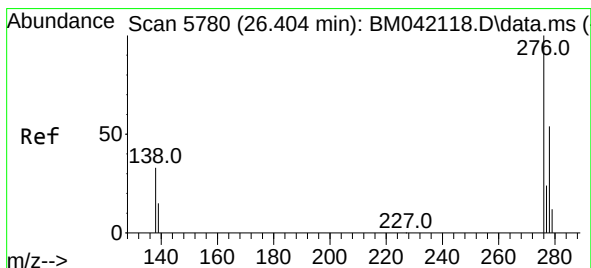
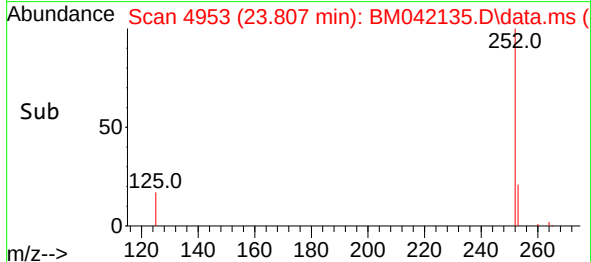
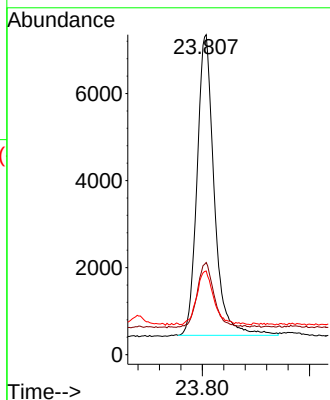


#26  
Benzo(a)pyrene  
Concen: 0.431 ng/ul  
RT: 23.807 min Scan# 4953  
Delta R.T. -0.000 min  
Lab File: BM042135.D  
Acq: 29 Sep 2023 03:28

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS824

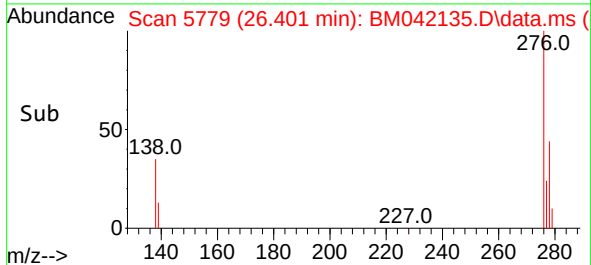
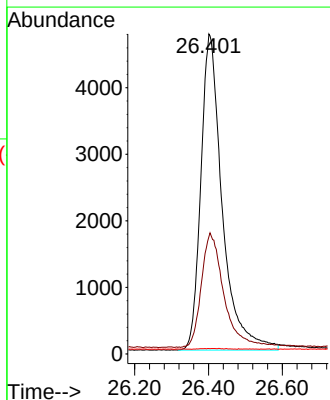
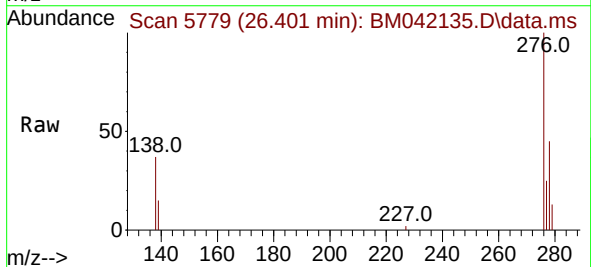


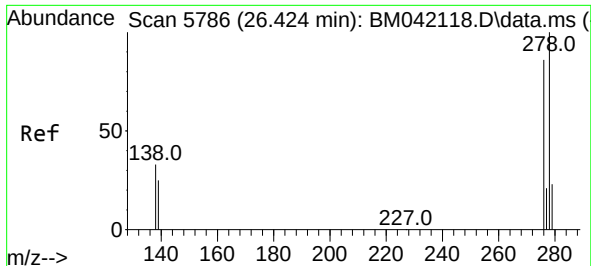
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 15321 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 28.8  | 23.2  | 34.8  |
| 125       | 26.1  | 22.5  | 33.7  |



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.391 ng/ul  
RT: 26.401 min Scan# 5779  
Delta R.T. -0.003 min  
Lab File: BM042135.D  
Acq: 29 Sep 2023 03:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 19068 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 38.4  | 32.1  | 48.1  |
| 227       | 0.0   | 0.2   | 0.2   |

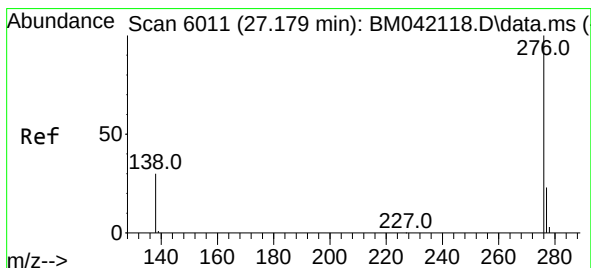
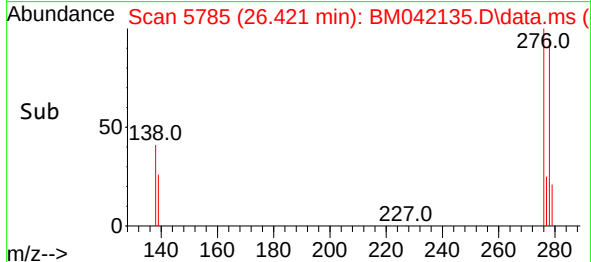
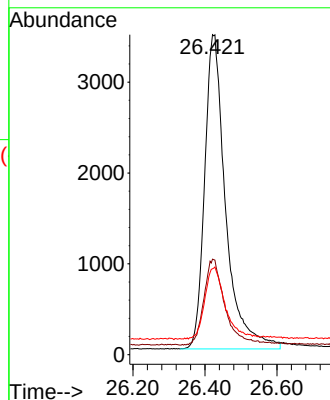
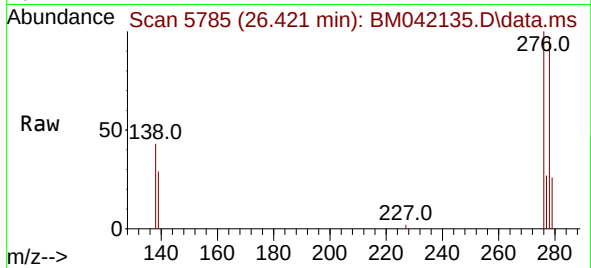




#28  
Dibenzo(a,h)anthracene  
Concen: 0.398 ng/ul  
RT: 26.421 min Scan# 51  
Delta R.T. -0.003 min  
Lab File: BM042135.D  
Acq: 29 Sep 2023 03:28

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS824

Tgt Ion:278 Resp: 14025  
Ion Ratio Lower Upper  
278 100  
139 29.8 25.0 37.6  
279 26.8 21.7 32.5



#29  
Benzo(g,h,i)perylene  
Concen: 0.393 ng/ul  
RT: 27.176 min Scan# 6010  
Delta R.T. -0.003 min  
Lab File: BM042135.D  
Acq: 29 Sep 2023 03:28

Tgt Ion:276 Resp: 16155  
Ion Ratio Lower Upper  
276 100  
138 35.4 29.0 43.4  
277 24.4 19.6 29.4

