

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070823\  
 Data File : BM040729.D  
 Acq On : 08 Jul 2023 07:52  
 Operator : MA/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD0.4162

Quant Time: Jul 08 22:37:50 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM062223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 07 10:22:24 2023  
 Response via : Initial Calibration

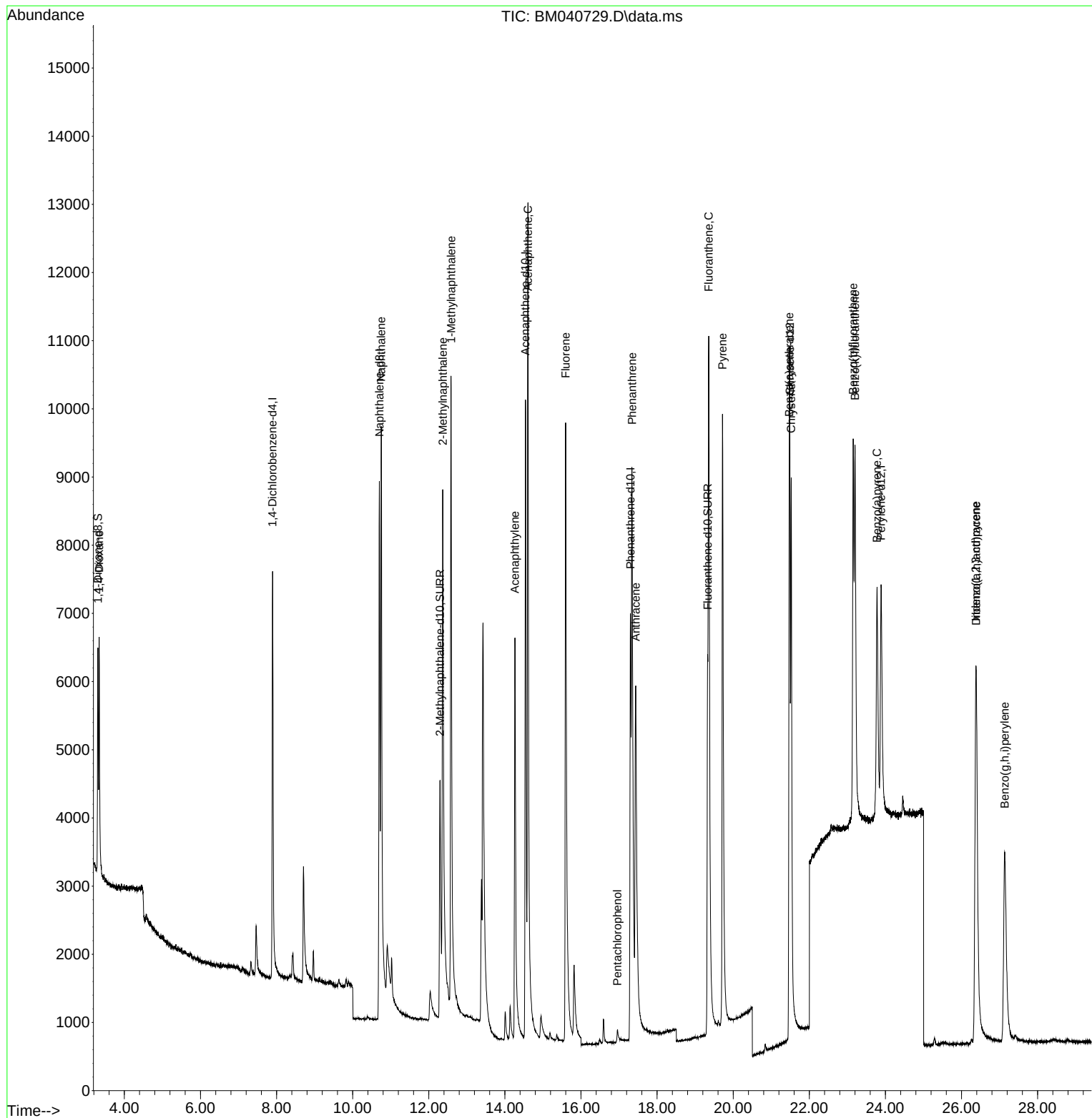
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.895  | 152  | 3918     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.702 | 136  | 15132    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.541 | 164  | 6938     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.299 | 188  | 11739    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.489 | 240  | 7669     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.886 | 264  | 6713     | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.305  | 96   | 2410     | 0.392 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.297 | 152  | 7926     | 0.374 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.329 | 212  | 10348    | 0.421 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.339  | 88   | 2191     | 0.350 | ng/ul  | 94       |
| 5) Naphthalene              | 10.752 | 128  | 15421    | 0.369 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.368 | 142  | 9006     | 0.367 | ng/ul  | 97       |
| 8) 1-Methylnaphthalene      | 12.588 | 142  | 8517     | 0.348 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.264 | 152  | 10892    | 0.351 | ng/ul  | 97       |
| 11) Acenaphthene            | 14.606 | 153  | 9541     | 0.365 | ng/ul  | 98       |
| 12) Fluorene                | 15.596 | 166  | 10216    | 0.366 | ng/ul  | 100      |
| 14) Pentachlorophenol       | 16.957 | 266  | 276      | 0.122 | ng/ul  | 94       |
| 15) Phenanthrene            | 17.341 | 178  | 13466    | 0.369 | ng/ul  | 98       |
| 16) Anthracene              | 17.438 | 178  | 11358    | 0.371 | ng/ul  | 96       |
| 19) Fluoranthene            | 19.357 | 202  | 13144    | 0.403 | ng/ul  | 99       |
| 20) Pyrene                  | 19.720 | 202  | 13540    | 0.388 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.472 | 228  | 8932     | 0.344 | ng/ul  | 99       |
| 22) Chrysene                | 21.524 | 228  | 10193    | 0.344 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.152 | 252  | 9863     | 0.380 | ng/ul  | 90       |
| 25) Benzo(k)fluoranthene    | 23.202 | 252  | 9163     | 0.358 | ng/ul# | 90       |
| 26) Benzo(a)pyrene          | 23.781 | 252  | 8104     | 0.346 | ng/ul# | 82       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.377 | 276  | 10385    | 0.319 | ng/ul# | 44       |
| 28) Dibenzo(a,h)anthracene  | 26.388 | 278  | 8027     | 0.315 | ng/ul# | 92       |
| 29) Benzo(g,h,i)perylene    | 27.135 | 276  | 9550     | 0.334 | ng/ul  | 97       |
| -----                       |        |      |          |       |        |          |

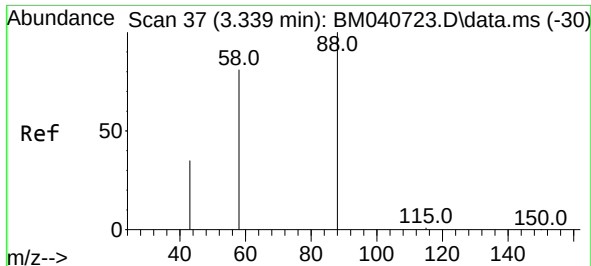
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070823\  
Data File : BM040729.D  
Acq On : 08 Jul 2023 07:52  
Operator : MA/JU  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4162

Quant Time: Jul 08 22:37:50 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM062223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 07 10:22:24 2023  
Response via : Initial Calibration

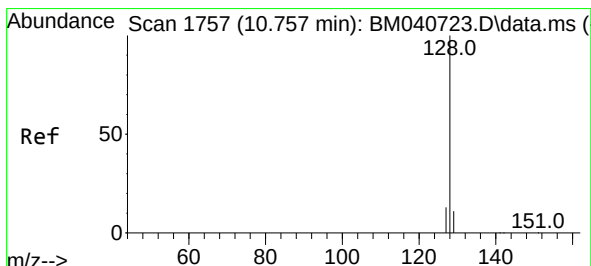
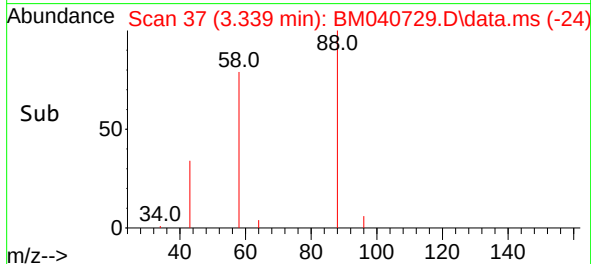
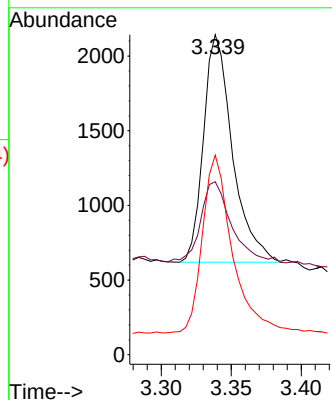
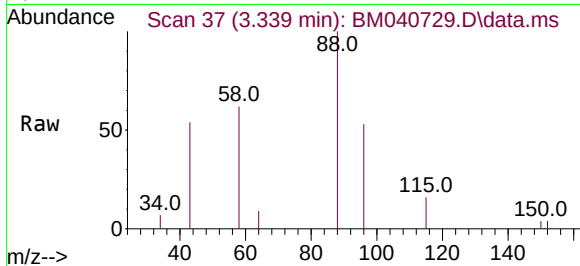




#2  
 1,4-Dioxane  
 Concen: 0.350 ng/ul  
 RT: 3.339 min Scan# 31  
 Delta R.T. -0.004 min  
 Lab File: BM040729.D  
 Acq: 08 Jul 2023 07:52

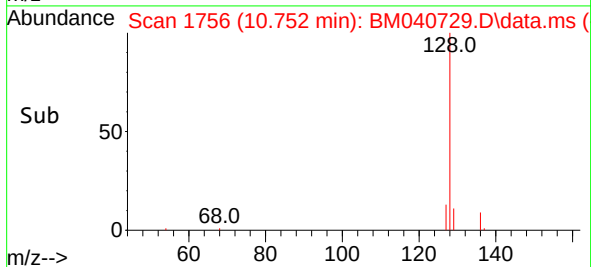
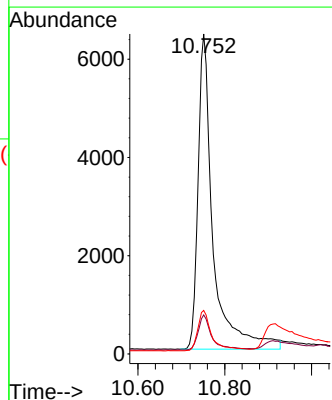
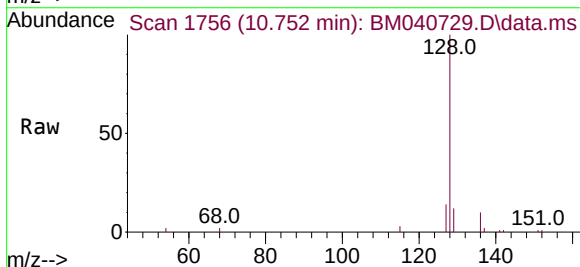
Instrument :  
 BNA\_M  
 ClientSampleId :  
 SST0.4162

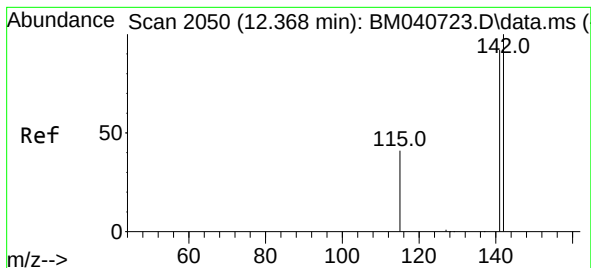
Tgt Ion: 88 Resp: 2191  
 Ion Ratio Lower Upper  
 88 100  
 43 54.0 36.1 54.1  
 58 62.3 49.8 74.8



#5  
 Naphthalene  
 Concen: 0.369 ng/ul  
 RT: 10.752 min Scan# 1756  
 Delta R.T. -0.006 min  
 Lab File: BM040729.D  
 Acq: 08 Jul 2023 07:52

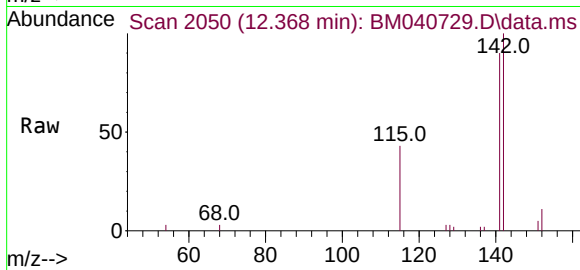
Tgt Ion: 128 Resp: 15421  
 Ion Ratio Lower Upper  
 128 100  
 129 12.2 9.2 13.8  
 127 13.6 10.6 15.8



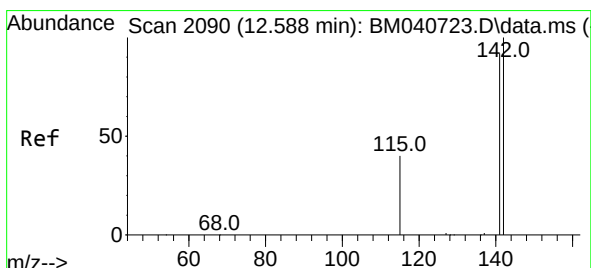
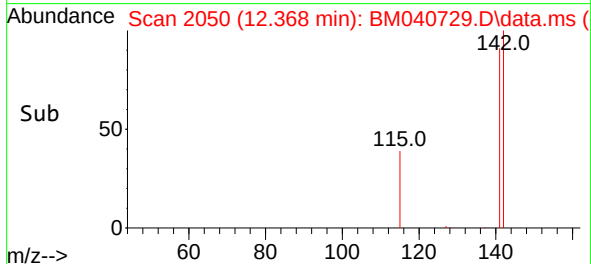
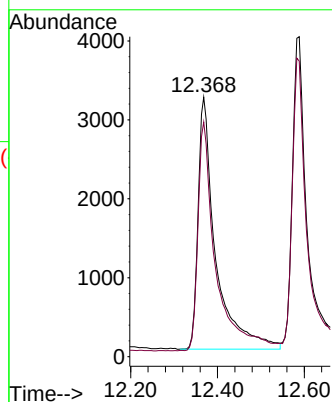


#7  
2-Methylnaphthalene  
Concen: 0.367 ng/ul  
RT: 12.368 min Scan# 2050  
Delta R.T. -0.006 min  
Lab File: BM040729.D  
Acq: 08 Jul 2023 07:52

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4162

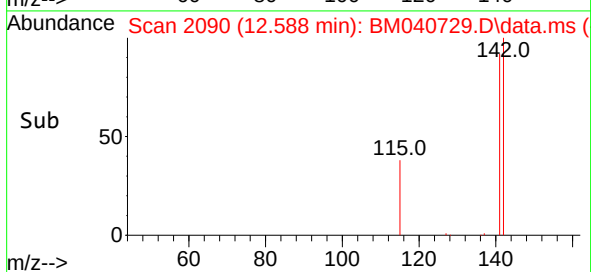
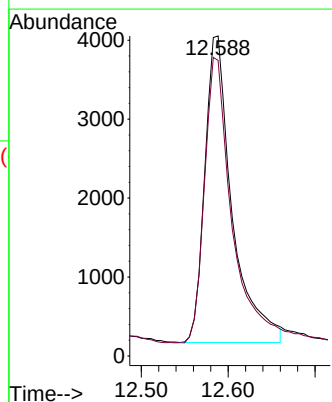
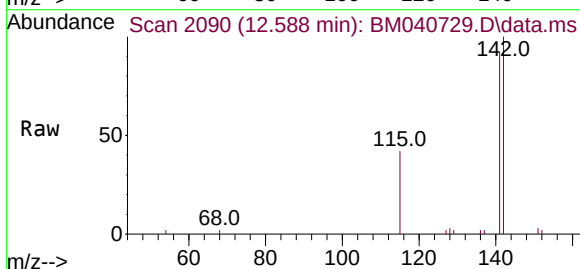


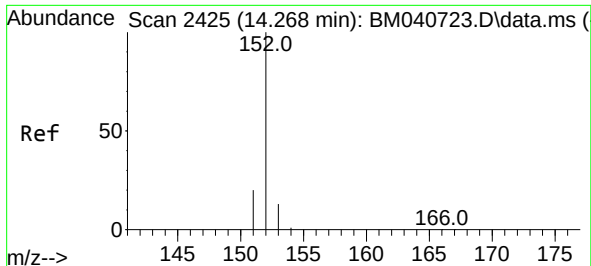
Tgt Ion:142 Resp: 9006  
Ion Ratio Lower Upper  
142 100  
141 92.4 71.9 107.9



#8  
1-Methylnaphthalene  
Concen: 0.348 ng/ul  
RT: 12.588 min Scan# 2090  
Delta R.T. -0.000 min  
Lab File: BM040729.D  
Acq: 08 Jul 2023 07:52

Tgt Ion:142 Resp: 8517  
Ion Ratio Lower Upper  
142 100  
141 93.1 73.7 110.5

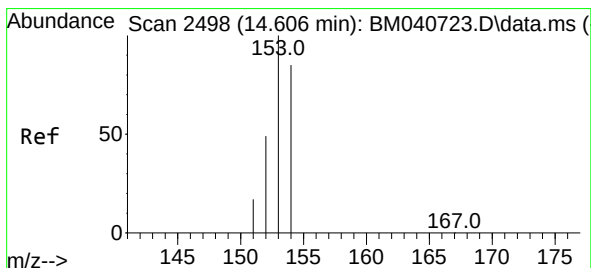
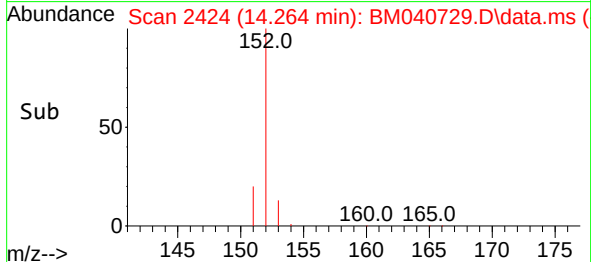
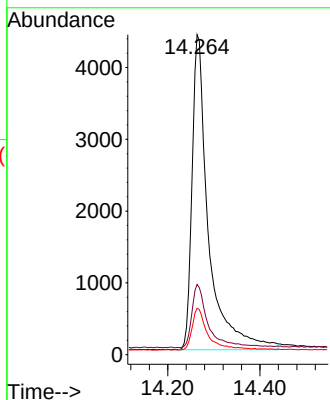
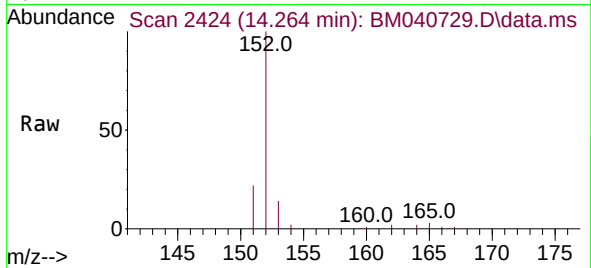




#10  
Acenaphthylene  
Concen: 0.351 ng/ul  
RT: 14.264 min Scan# 2425  
Delta R.T. -0.005 min  
Lab File: BM040729.D  
Acq: 08 Jul 2023 07:52

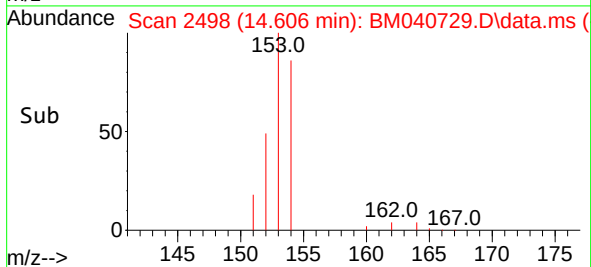
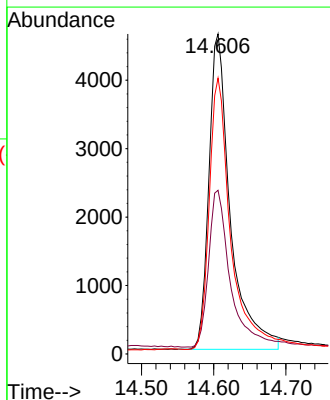
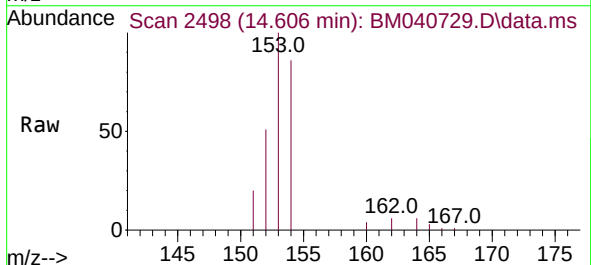
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4162

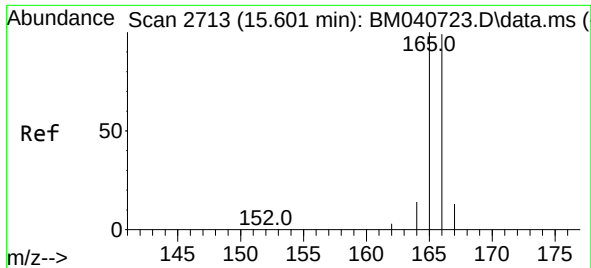
Tgt Ion:152 Resp: 10892  
Ion Ratio Lower Upper  
152 100  
151 21.9 16.2 24.2  
153 14.5 10.9 16.3



#11  
Acenaphthene  
Concen: 0.365 ng/ul  
RT: 14.606 min Scan# 2498  
Delta R.T. -0.005 min  
Lab File: BM040729.D  
Acq: 08 Jul 2023 07:52

Tgt Ion:153 Resp: 9541  
Ion Ratio Lower Upper  
153 100  
152 51.2 41.0 61.4  
154 86.2 70.8 106.2

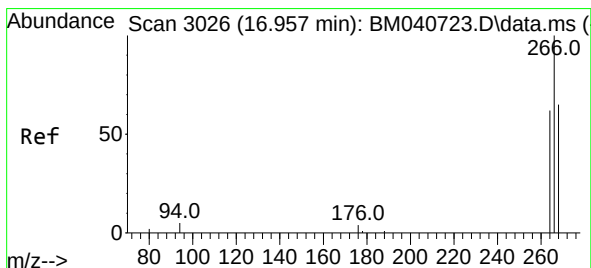
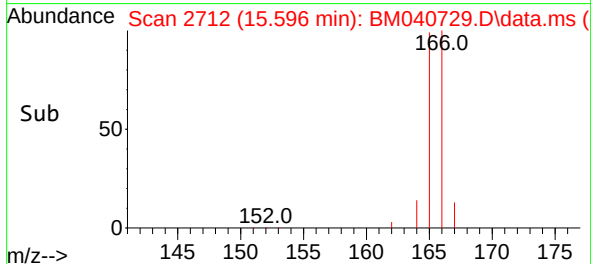
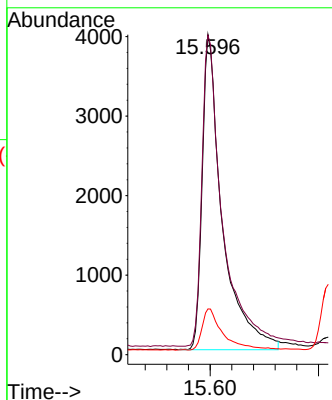
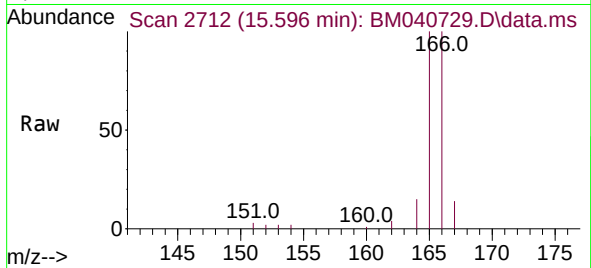




#12  
 Fluorene  
 Concen: 0.366 ng/ul  
 RT: 15.596 min Scan# 21  
 Delta R.T. -0.005 min  
 Lab File: BM040729.D  
 Acq: 08 Jul 2023 07:52

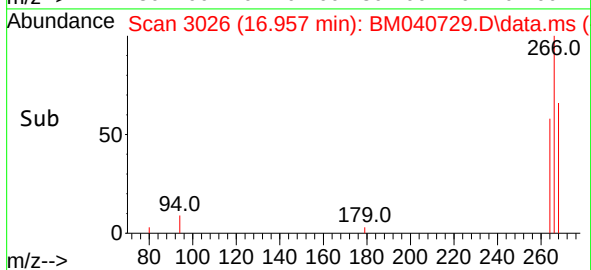
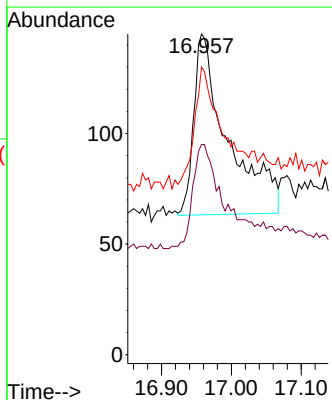
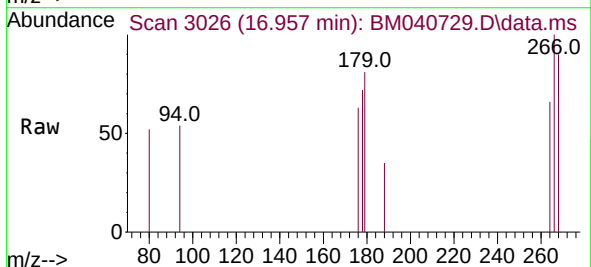
Instrument :  
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 ClientSampleId :  
 SST0.4162

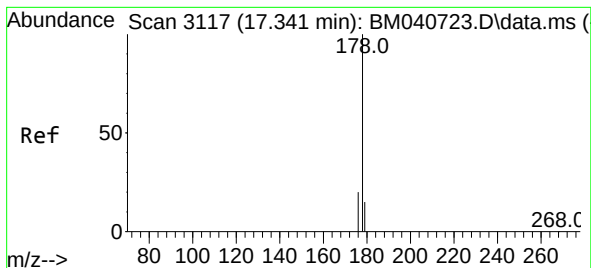
Tgt Ion:166 Resp: 10216  
 Ion Ratio Lower Upper  
 166 100  
 165 99.8 79.6 119.4  
 167 14.3 11.4 17.0



#14  
 Pentachlorophenol  
 Concen: 0.122 ng/ul  
 RT: 16.957 min Scan# 3026  
 Delta R.T. -0.000 min  
 Lab File: BM040729.D  
 Acq: 08 Jul 2023 07:52

Tgt Ion:266 Resp: 276  
 Ion Ratio Lower Upper  
 266 100  
 264 61.2 45.4 68.0  
 268 63.8 47.2 70.8





#15

Phenanthrene

Concen: 0.369 ng/ul

RT: 17.341 min Scan# 3117

Delta R.T. -0.004 min

Lab File: BM040729.D

Acq: 08 Jul 2023 07:52

Instrument :

BNA\_M

ClientSampleId :

SSTD0.4162

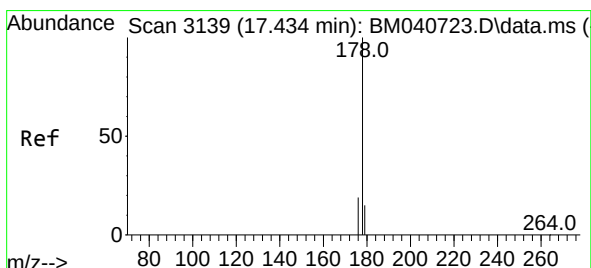
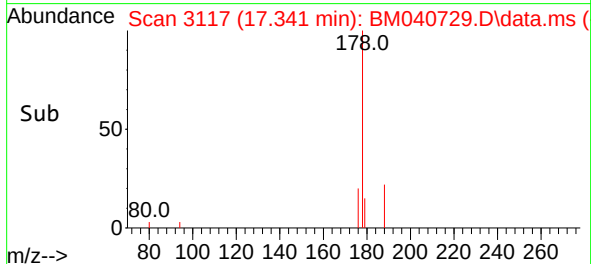
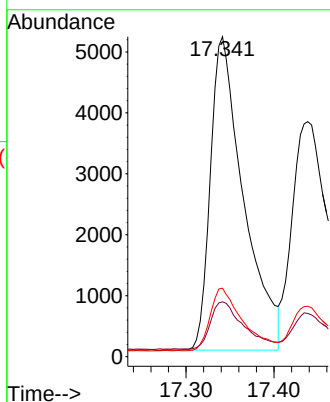
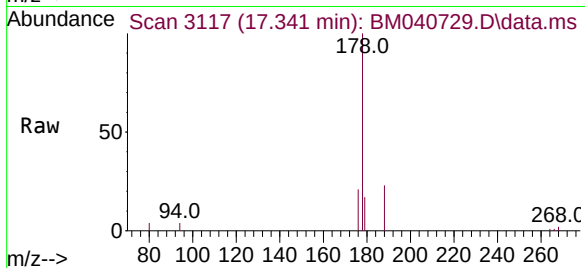
Tgt Ion:178 Resp: 13466

Ion Ratio Lower Upper

178 100

179 17.2 12.8 19.2

176 21.4 16.4 24.6



#16

Anthracene

Concen: 0.371 ng/ul

RT: 17.438 min Scan# 3140

Delta R.T. 0.004 min

Lab File: BM040729.D

Acq: 08 Jul 2023 07:52

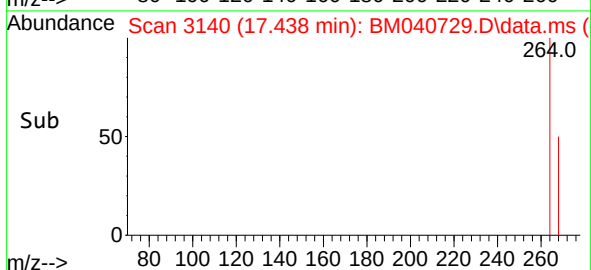
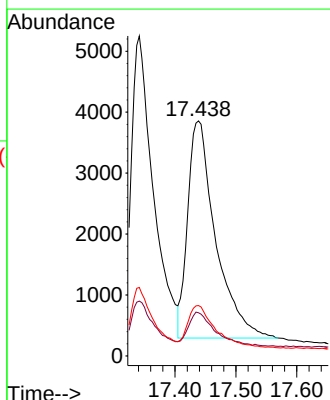
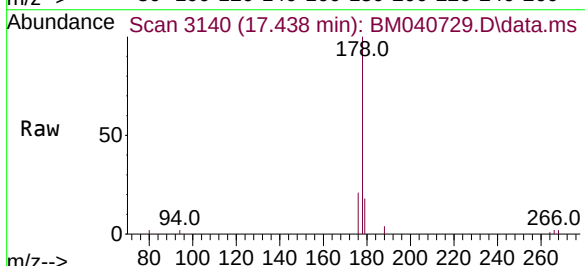
Tgt Ion:178 Resp: 11358

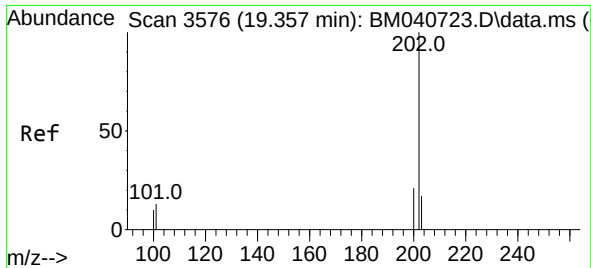
Ion Ratio Lower Upper

178 100

179 18.4 12.9 19.3

176 21.4 15.8 23.6

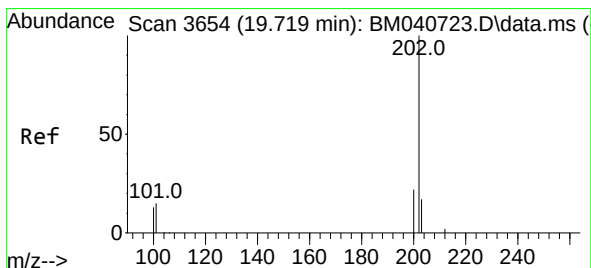
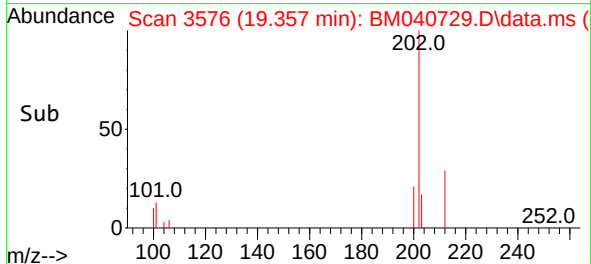
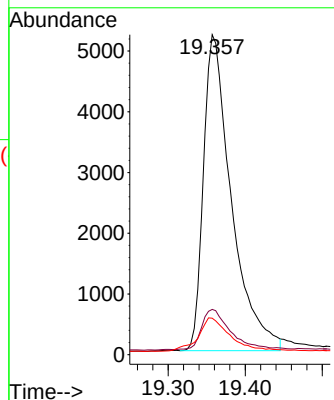
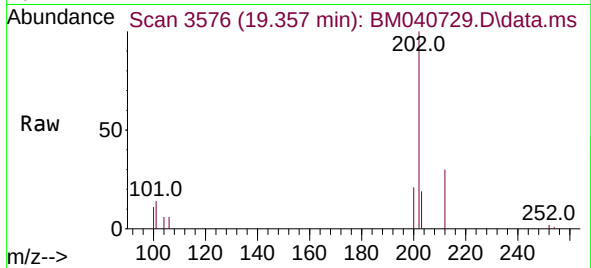




#19  
Fluoranthene  
Concen: 0.403 ng/ul  
RT: 19.357 min Scan# 3576  
Delta R.T. -0.005 min  
Lab File: BM040729.D  
Acq: 08 Jul 2023 07:52

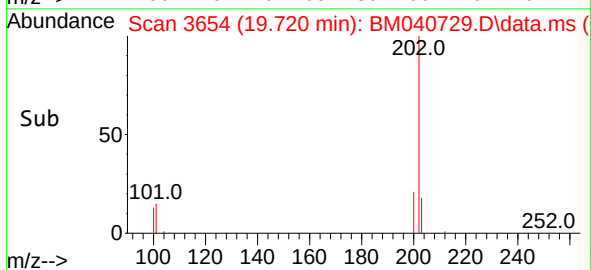
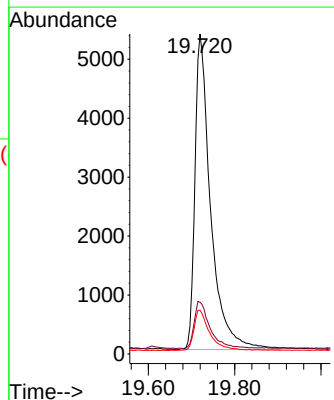
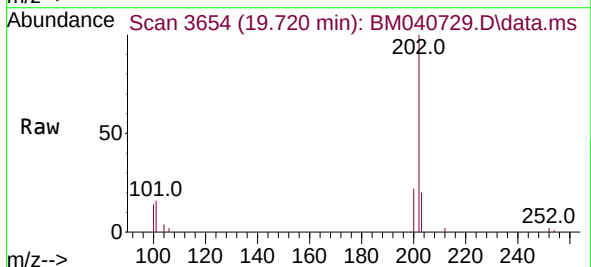
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4162

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 202   | Resp: | 13144 |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 101      | 14.2  | 11.4  | 17.0  |
| 100      | 11.4  | 8.7   | 13.1  |

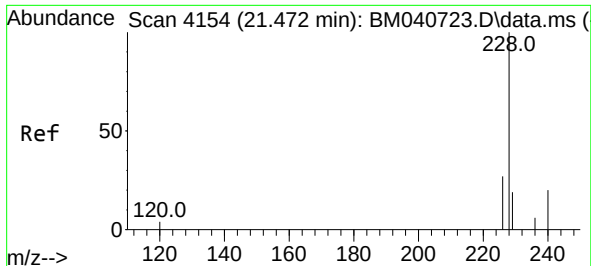


#20  
Pyrene  
Concen: 0.388 ng/ul  
RT: 19.720 min Scan# 3654  
Delta R.T. -0.000 min  
Lab File: BM040729.D  
Acq: 08 Jul 2023 07:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 202   | Resp: | 13540 |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 101      | 16.2  | 12.6  | 18.8  |
| 100      | 13.6  | 9.8   | 14.6  |

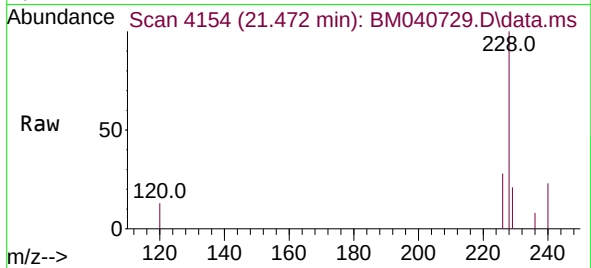




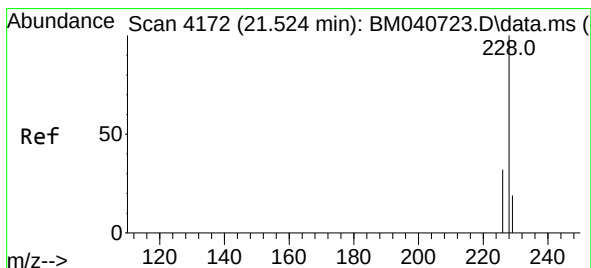
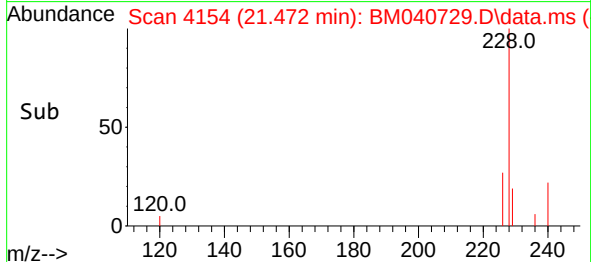
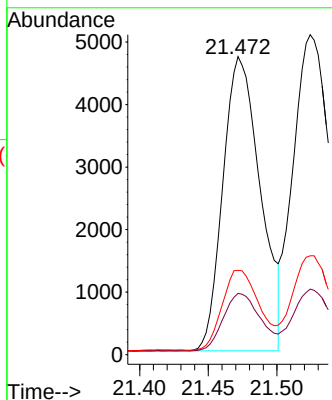


#21  
Benzo(a)anthracene  
Concen: 0.344 ng/ul  
RT: 21.472 min Scan# 4154  
Delta R.T. 0.003 min  
Lab File: BM040729.D  
Acq: 08 Jul 2023 07:52

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4162

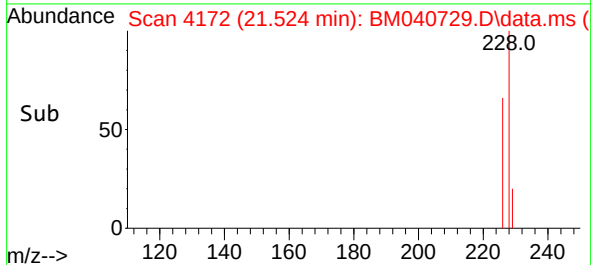
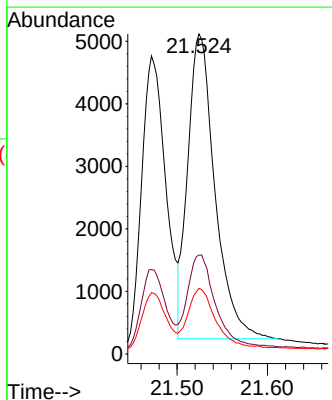
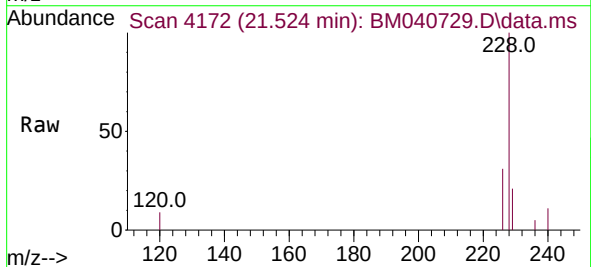


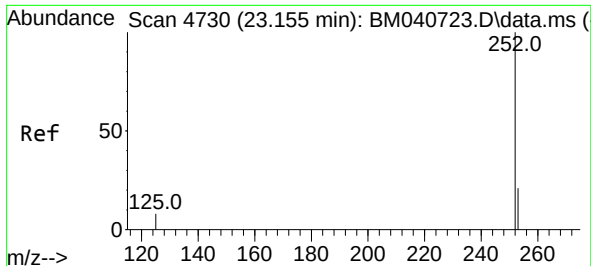
Tgt Ion:228 Resp: 8932  
Ion Ratio Lower Upper  
228 100  
229 20.5 16.0 24.0  
226 28.3 22.3 33.5



#22  
Chrysene  
Concen: 0.344 ng/ul  
RT: 21.524 min Scan# 4172  
Delta R.T. 0.003 min  
Lab File: BM040729.D  
Acq: 08 Jul 2023 07:52

Tgt Ion:228 Resp: 10193  
Ion Ratio Lower Upper  
228 100  
226 30.9 24.9 37.3  
229 20.5 15.8 23.6

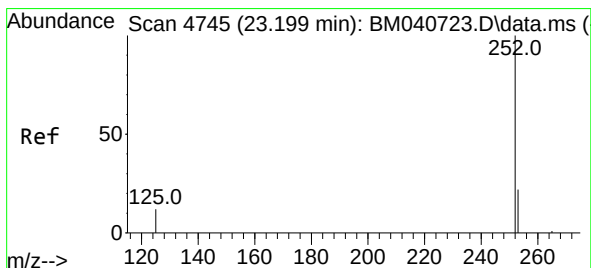
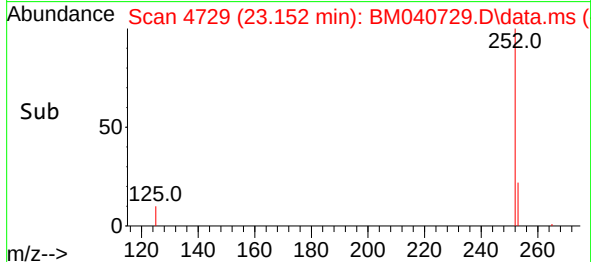
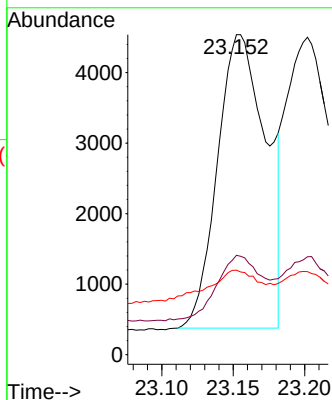
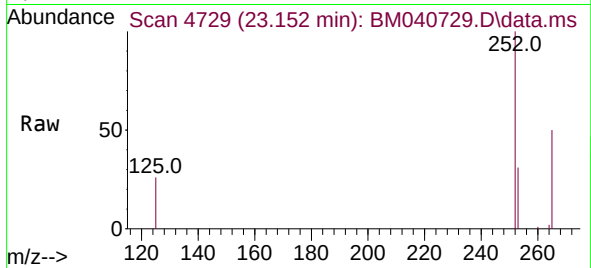




#24  
Benzo(b)fluoranthene  
Concen: 0.380 ng/ul  
RT: 23.152 min Scan# 4729  
Delta R.T. -0.000 min  
Lab File: BM040729.D  
Acq: 08 Jul 2023 07:52

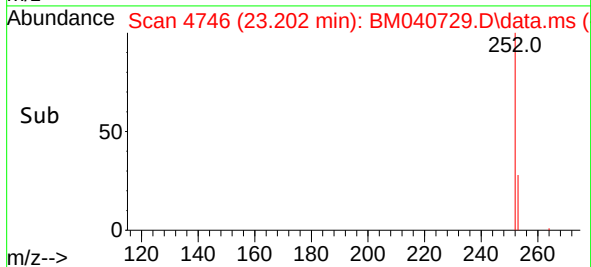
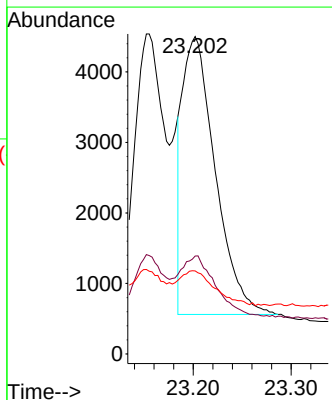
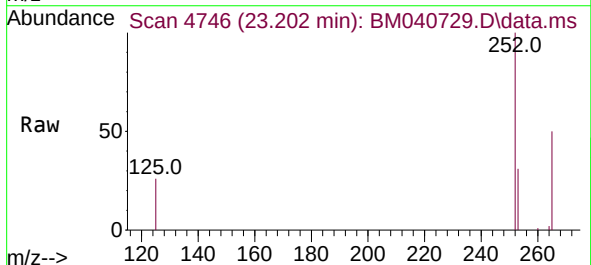
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4162

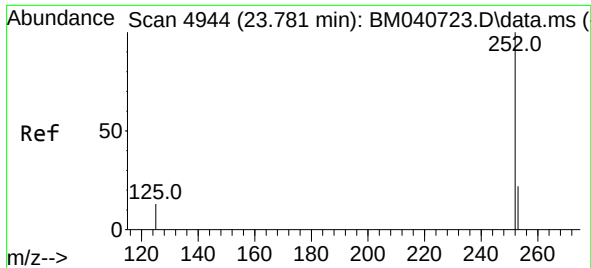
Tgt Ion:252 Resp: 9863  
Ion Ratio Lower Upper  
252 100  
253 31.0 0.0 52.8  
125 26.4 0.0 43.0



#25  
Benzo(k)fluoranthene  
Concen: 0.358 ng/ul  
RT: 23.202 min Scan# 4746  
Delta R.T. 0.003 min  
Lab File: BM040729.D  
Acq: 08 Jul 2023 07:52

Tgt Ion:252 Resp: 9163  
Ion Ratio Lower Upper  
252 100  
253 30.8 21.2 31.8  
125 26.1 16.4 24.6#

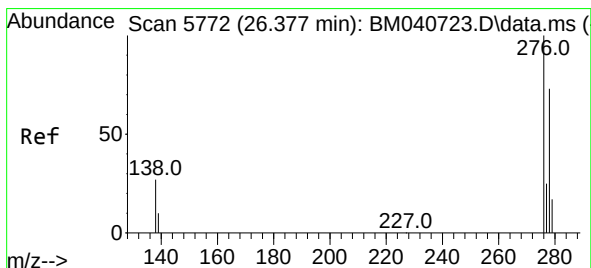
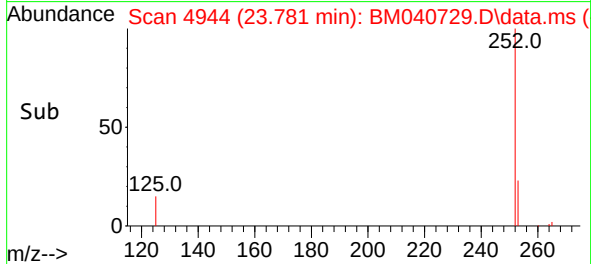
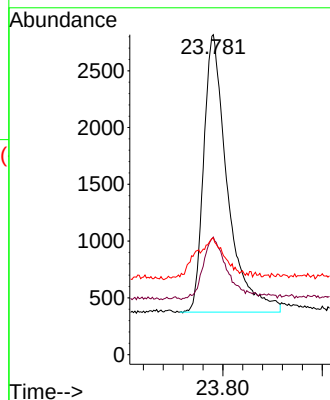
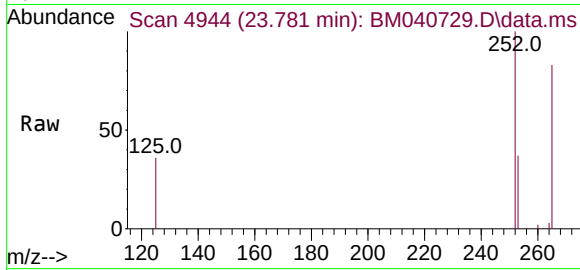




#26  
Benzo(a)pyrene  
Concen: 0.346 ng/ul  
RT: 23.781 min Scan# 4944  
Delta R.T. 0.003 min  
Lab File: BM040729.D  
Acq: 08 Jul 2023 07:52

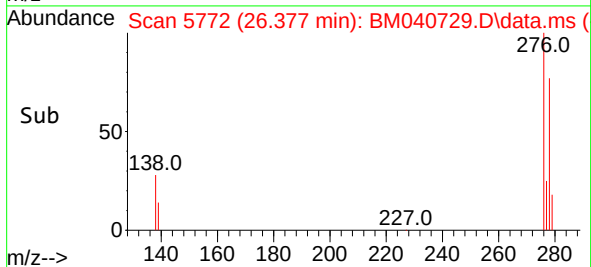
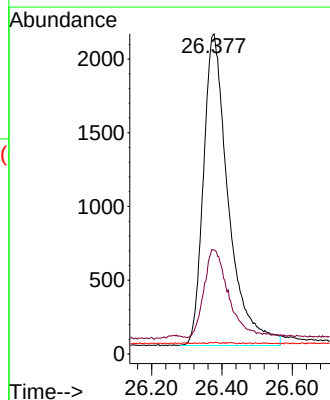
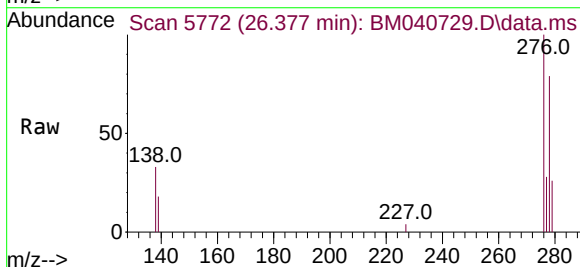
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4162

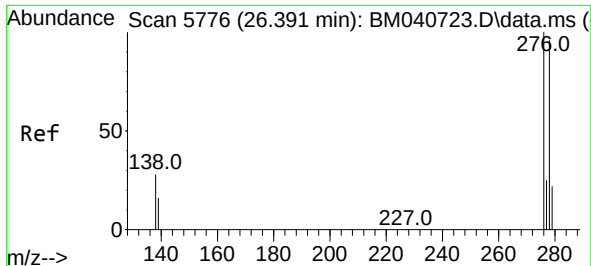
Tgt Ion:252 Resp: 8104  
Ion Ratio Lower Upper  
252 100  
253 36.7 22.9 34.3#  
125 36.5 21.0 31.4#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.319 ng/ul  
RT: 26.377 min Scan# 5772  
Delta R.T. -0.000 min  
Lab File: BM040729.D  
Acq: 08 Jul 2023 07:52

Tgt Ion:276 Resp: 10385  
Ion Ratio Lower Upper  
276 100  
138 0.0 24.5 36.7#  
227 0.1 0.1 0.1

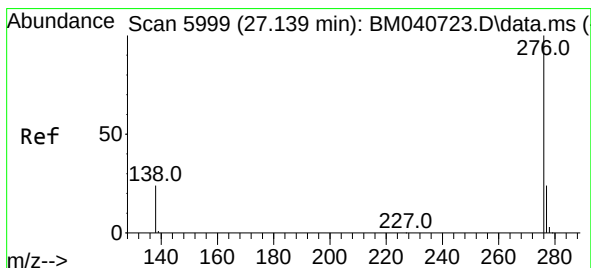
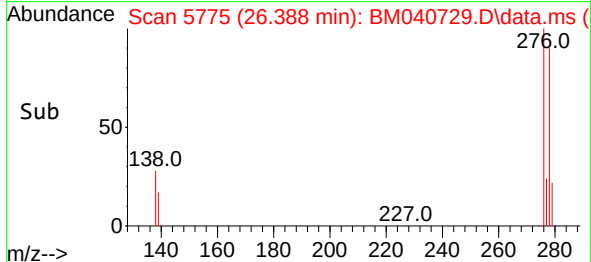
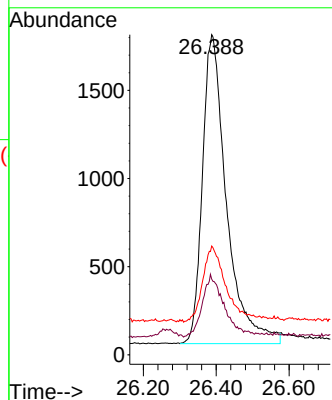
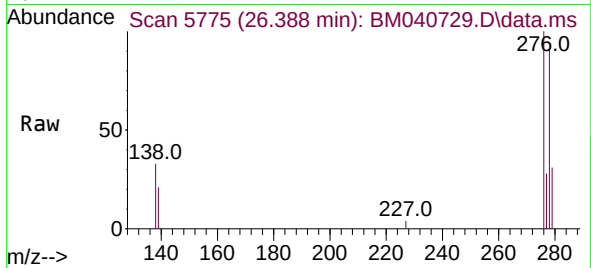




#28  
Dibenzo(a,h)anthracene  
Concen: 0.315 ng/ul  
RT: 26.388 min Scan# 51  
Delta R.T. 0.003 min  
Lab File: BM040729.D  
Acq: 08 Jul 2023 07:52

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4162

Tgt Ion:278 Resp: 8027  
Ion Ratio Lower Upper  
278 100  
139 23.6 17.9 26.9  
279 34.0 22.0 33.0#



#29  
Benzo(g,h,i)perylene  
Concen: 0.334 ng/ul  
RT: 27.135 min Scan# 5998  
Delta R.T. -0.003 min  
Lab File: BM040729.D  
Acq: 08 Jul 2023 07:52

Tgt Ion:276 Resp: 9550  
Ion Ratio Lower Upper  
276 100  
138 29.8 23.0 34.6  
277 27.4 20.3 30.5

