

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM100724\  
 Data File : BM047890.D  
 Acq On : 07 Oct 2024 19:04  
 Operator : RC/JU  
 Sample : P4083-08  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

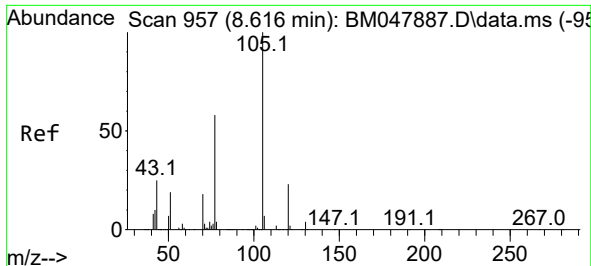
Quant Time: Oct 07 23:22:36 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM092724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 04 08:32:31 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.798  | 152  | 207306   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.586 | 136  | 832026   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.433 | 164  | 508165   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.168 | 188  | 1024306  | 20.000 | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.397 | 240  | 964716   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.397 | 264  | 1073152  | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.252  | 96   | 7998     | 1.247  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.651  | 84   | 1181     | 0.063  | ng/ul  | -0.01    |
| 7) Phenol-d5                  | 6.963  | 99   | 209658   | 10.695 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.128  | 67   | 151195   | 10.869 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.328  | 132  | 186712   | 13.091 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.504  | 113  | 114502   | 7.856  | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 8.951  | 128  | 94712    | 14.297 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.669  | 143  | 100839   | 15.884 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.210 | 165  | 184389   | 14.540 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.722 | 131  | 133398   | 6.804  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.839 | 166  | 573685   | 15.571 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.121 | 160  | 663147   | 15.181 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.627 | 143  | 70339    | 9.589  | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.421 | 176  | 518474   | 16.247 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.539 | 200  | 49139    | 8.198  | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.268 | 188  | 729022   | 14.474 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.556 | 212  | 804251   | 14.689 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.185 | 264  | 657635   | 11.811 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 16) Acetophenone              | 8.616  | 105  | 70530    | 2.828  | ng/ul  | 92       |
| 72) Phenanthrene              | 17.209 | 178  | 250510   | 4.170  | ng/ul  | 99       |
| 80) Fluoranthene              | 19.221 | 202  | 531146   | 8.237  | ng/ul  | 97       |
| 82) Pyrene                    | 19.586 | 202  | 323979   | 4.514  | ng/ul# | 95       |
| 85) Benzo(a)anthracene        | 21.380 | 228  | 231470   | 3.427  | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.303 | 149  | 139776   | 3.669  | ng/ul# | 99       |
| 87) Chrysene                  | 21.380 | 228  | 230369   | 3.498  | ng/ul  | 97       |
| 90) Benzo(b)fluoranthene      | 23.450 | 252  | 337161   | 5.038  | ng/ul  | 97       |
| 91) Benzo(k)fluoranthene      | 23.450 | 252  | 337161   | 4.927  | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 24.250 | 252  | 89728    | 1.412  | ng/ul  | 95       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.773 | 276  | 97449    | 1.196  | ng/ul  | 93       |

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

Quant Time: Oct 07 23:22:36 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM092724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Oct 04 08:32:31 2024  
Response via : Initial Calibration

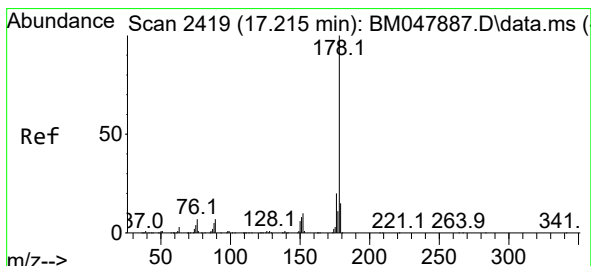
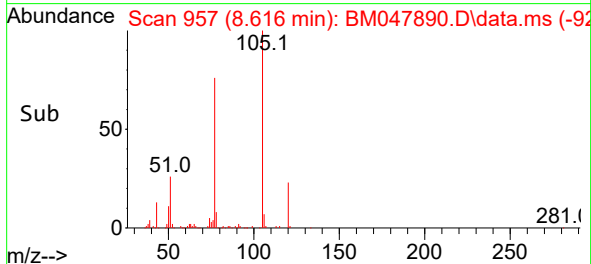
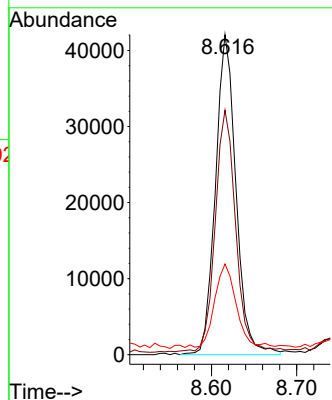
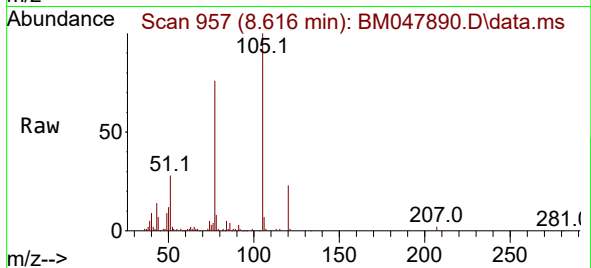




#16  
Acetophenone  
Concen: 2.828 ng/ul  
RT: 8.616 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BM047890.D  
Acq: 07 Oct 2024 19:04

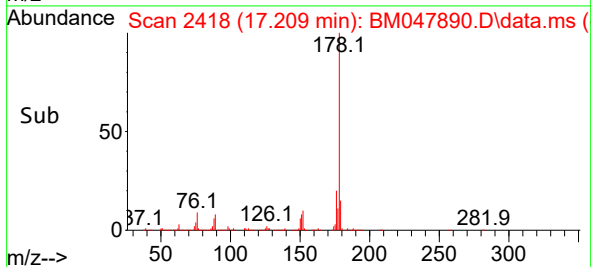
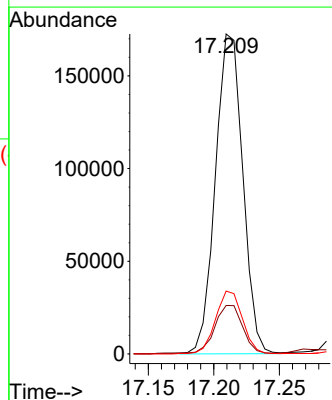
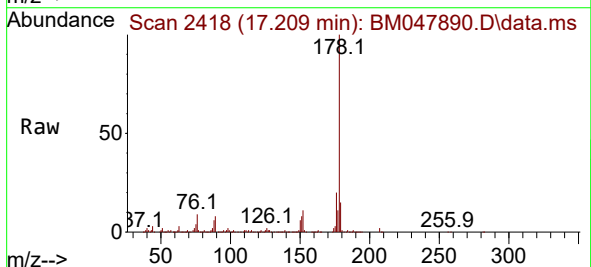
Instrument :  
BNA\_M  
ClientSampleId :

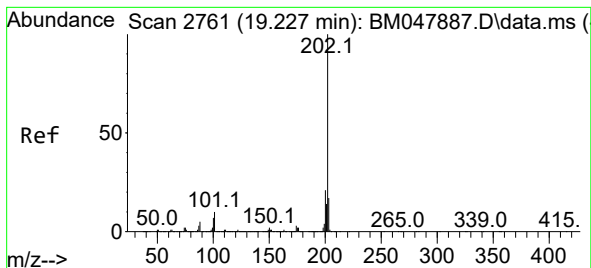
Tgt Ion:105 Resp: 70530  
Ion Ratio Lower Upper  
105 100  
77 76.4 66.6 100.0  
51 28.3 27.0 40.4



#72  
Phenanthrene  
Concen: 4.170 ng/ul  
RT: 17.209 min Scan# 2418  
Delta R.T. -0.006 min  
Lab File: BM047890.D  
Acq: 07 Oct 2024 19:04

Tgt Ion:178 Resp: 250510  
Ion Ratio Lower Upper  
178 100  
179 15.2 12.0 18.0  
176 19.7 15.4 23.0





#80

Fluoranthene

Concen: 8.237 ng/ul

RT: 19.221 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047890.D

Acq: 07 Oct 2024 19:04

Instrument :

BNA\_M

ClientSampleId :

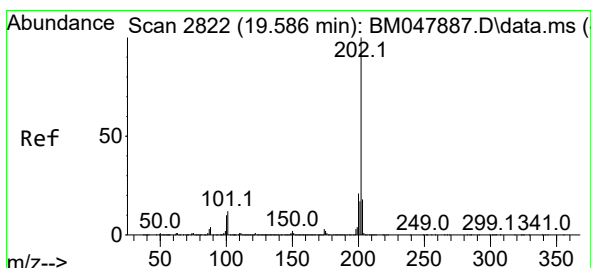
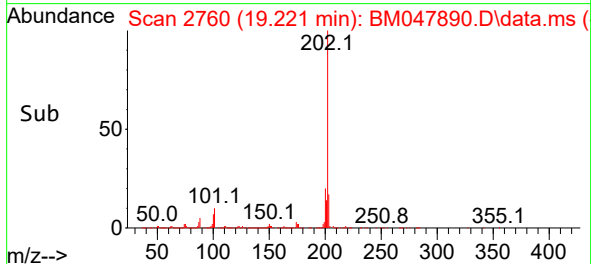
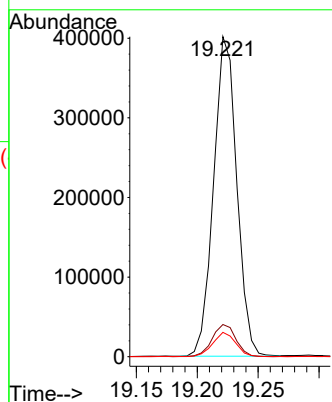
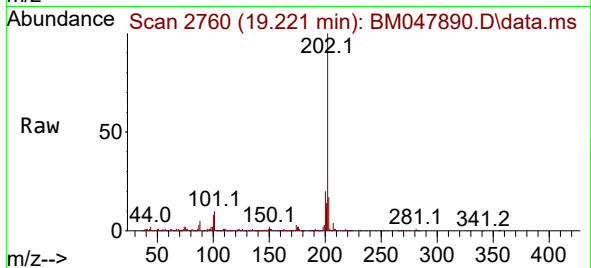
Tgt Ion:202 Resp: 531146

Ion Ratio Lower Upper

202 100

101 10.1 9.0 13.4

100 7.6 6.8 10.2



#82

Pyrene

Concen: 4.514 ng/ul

RT: 19.586 min Scan# 2822

Delta R.T. 0.000 min

Lab File: BM047890.D

Acq: 07 Oct 2024 19:04

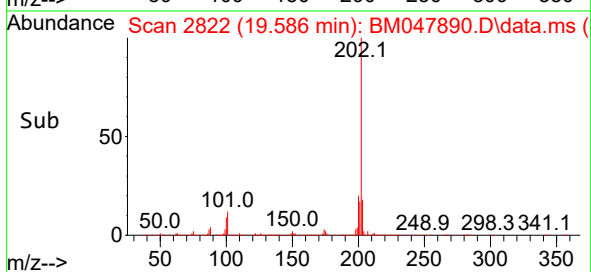
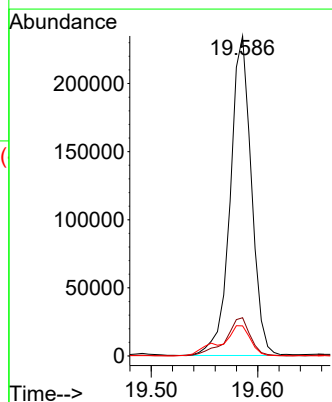
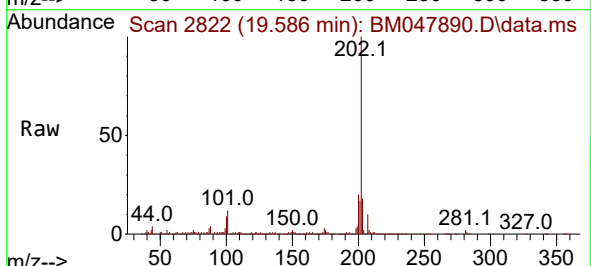
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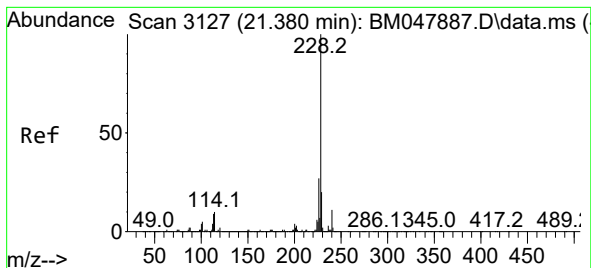
Ion Ratio Lower Upper

202 100

101 11.9 10.9 16.3

100 9.4 9.4 14.2#





#85

Benzo(a)anthracene

Concen: 3.427 ng/ul

RT: 21.380 min Scan# 3127

Delta R.T. 0.000 min

Lab File: BM047890.D

Acq: 07 Oct 2024 19:04

Instrument :

BNA\_M

ClientSampleId :

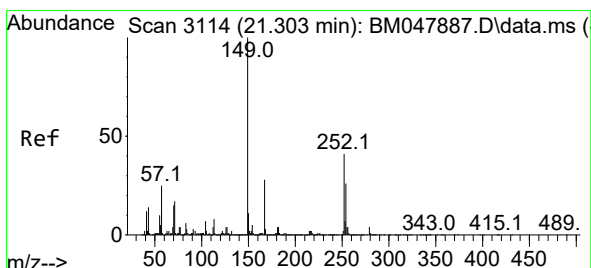
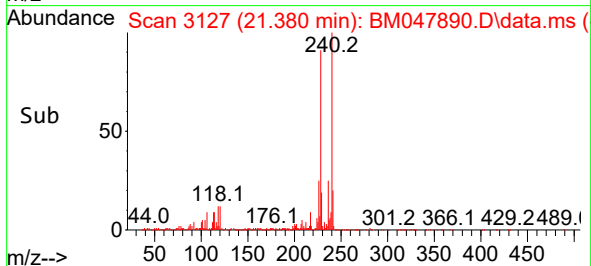
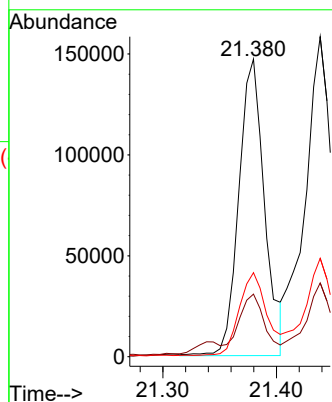
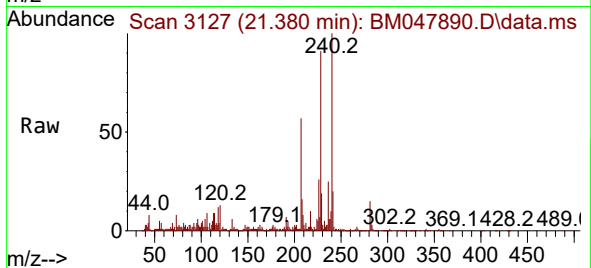
Tgt Ion:228 Resp: 231470

Ion Ratio Lower Upper

228 100

229 21.0 15.6 23.4

226 28.2 21.9 32.9



#86

Bis(2-ethylhexyl)phthalate

Concen: 3.669 ng/ul

RT: 21.303 min Scan# 3114

Delta R.T. 0.000 min

Lab File: BM047890.D

Acq: 07 Oct 2024 19:04

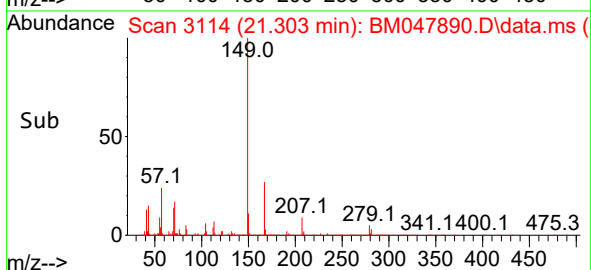
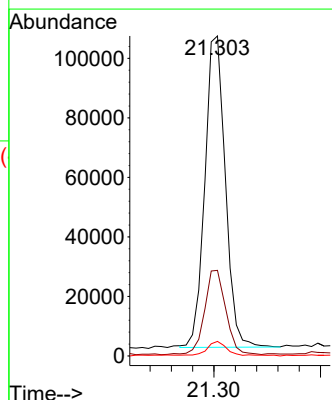
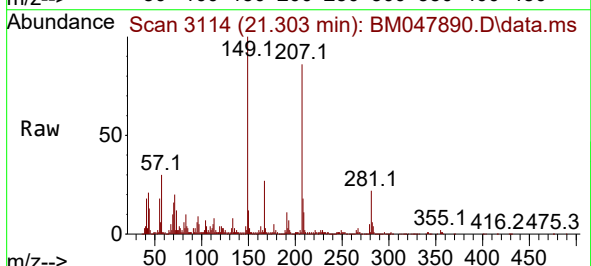
Tgt Ion:149 Resp: 139776

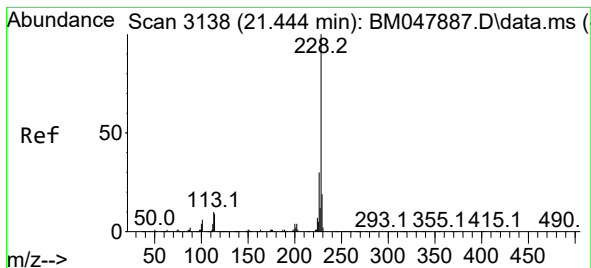
Ion Ratio Lower Upper

149 100

167 26.8 21.3 31.9

279 4.6 2.7 4.1#





#87

Chrysene

Concen: 3.498 ng/ul

RT: 21.380 min Scan# 31

Delta R.T. -0.059 min

Lab File: BM047890.D

Acq: 07 Oct 2024 19:04

Instrument :

BNA\_M

ClientSampleId :

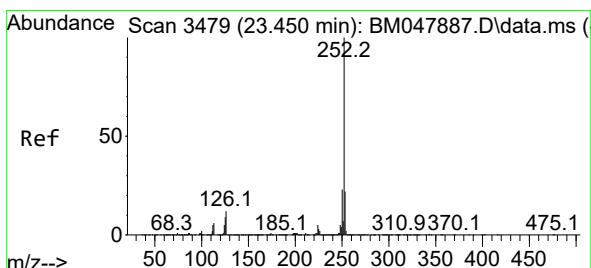
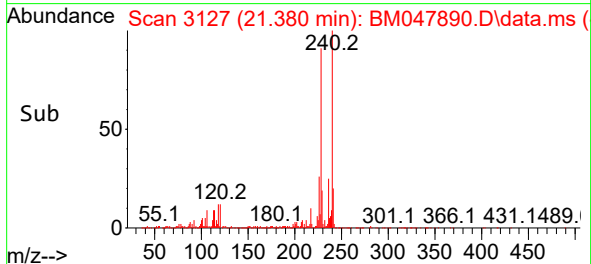
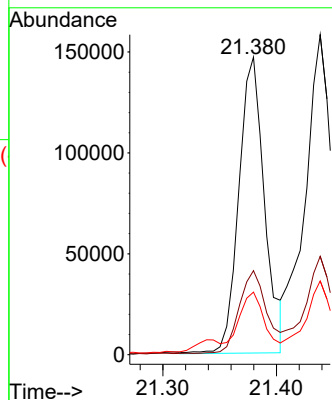
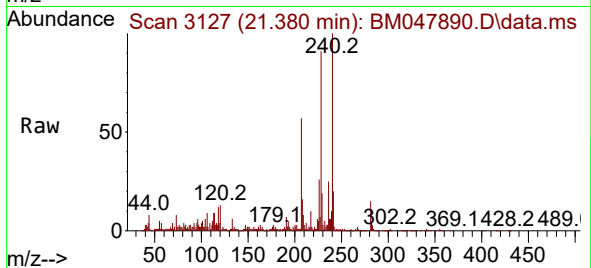
Tgt Ion:228 Resp: 230369

Ion Ratio Lower Upper

228 100

226 28.2 23.6 35.4

229 21.0 15.3 22.9



#90

Benzo(b)fluoranthene

Concen: 5.038 ng/ul

RT: 23.450 min Scan# 3479

Delta R.T. 0.000 min

Lab File: BM047890.D

Acq: 07 Oct 2024 19:04

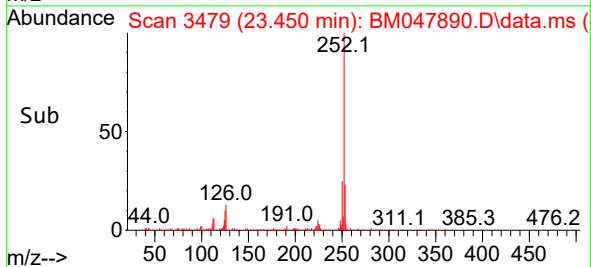
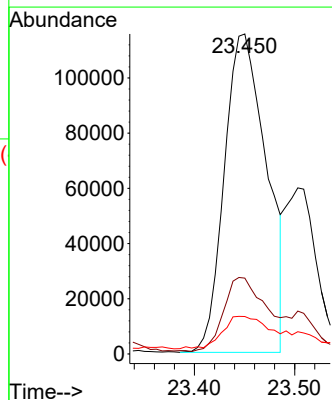
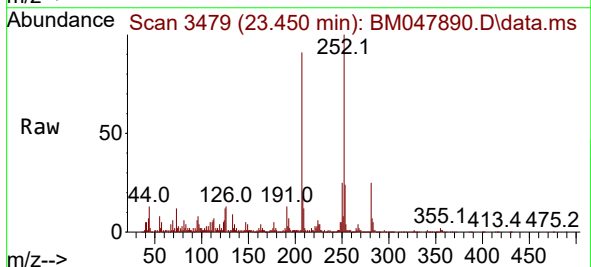
Tgt Ion:252 Resp: 337161

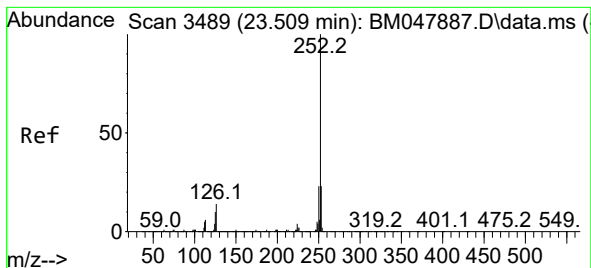
Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.2

125 11.7 9.0 13.4





#91

Benzo(k)fluoranthene

Concen: 4.927 ng/ul

RT: 23.450 min Scan# 34

Delta R.T. -0.059 min

Lab File: BM047890.D

Acq: 07 Oct 2024 19:04

Instrument :

BNA\_M

ClientSampleId :

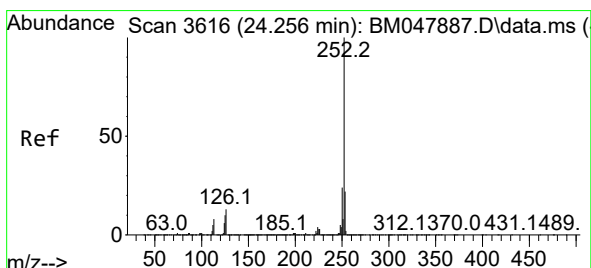
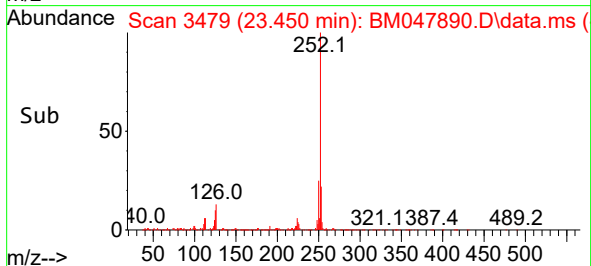
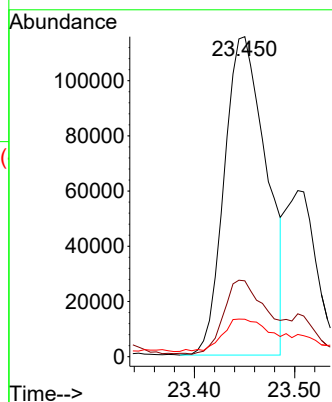
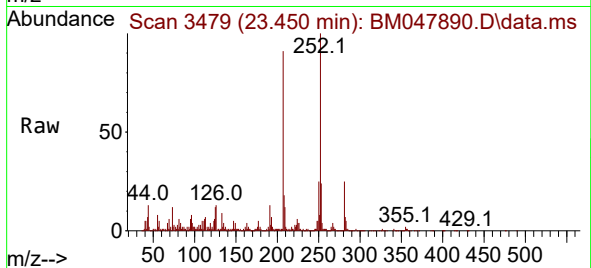
Tgt Ion:252 Resp: 337161

Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

125 11.7 8.9 13.3



#93

Benzo(a)pyrene

Concen: 1.412 ng/ul

RT: 24.250 min Scan# 3615

Delta R.T. -0.006 min

Lab File: BM047890.D

Acq: 07 Oct 2024 19:04

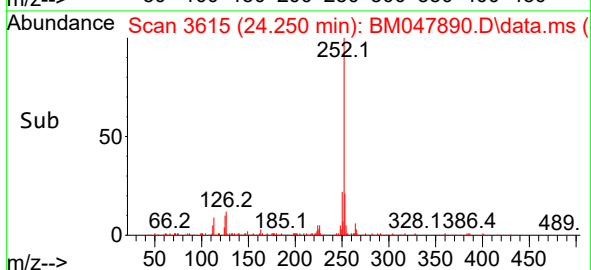
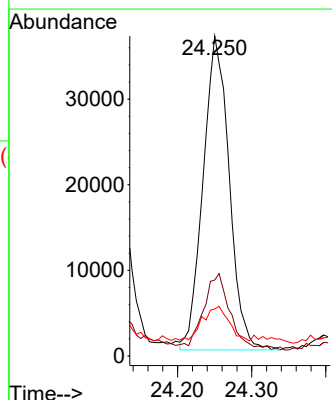
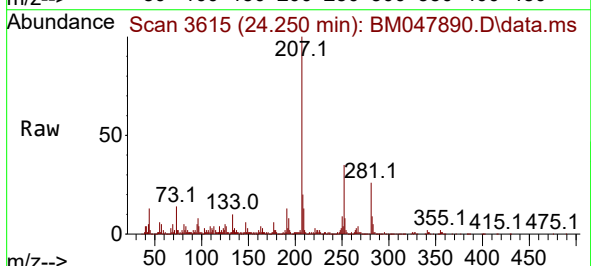
Tgt Ion:252 Resp: 89728

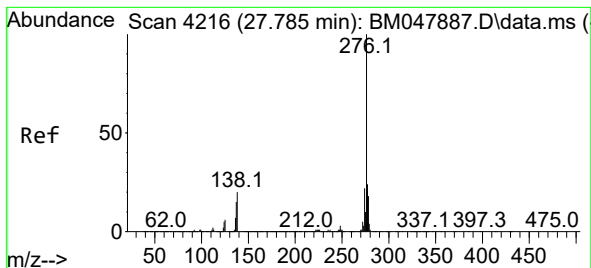
Ion Ratio Lower Upper

252 100

253 23.7 17.2 25.8

125 14.7 10.1 15.1





#94

Indeno(1,2,3-cd)pyrene

Concen: 1.196 ng/ul

RT: 27.773 min Scan# 41

Delta R.T. -0.006 min

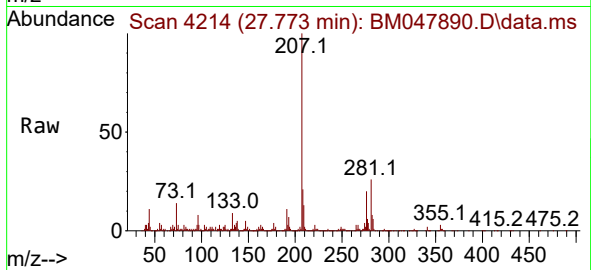
Lab File: BM047890.D

Acq: 07 Oct 2024 19:04

Instrument :

BNA\_M

ClientSampleId :



Tgt Ion:276 Resp: 97449

Ion Ratio Lower Upper

276 100

138 24.1 16.9 25.3

277 27.4 18.9 28.3

