

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061124\  
 Data File : BM045982.D  
 Acq On : 11 Jun 2024 19:00  
 Operator : MA/JU  
 Sample : P2642-14  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4BH7

Quant Time: Jun 11 23:06:14 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM053124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jun 11 16:01:34 2024  
 Response via : Initial Calibration

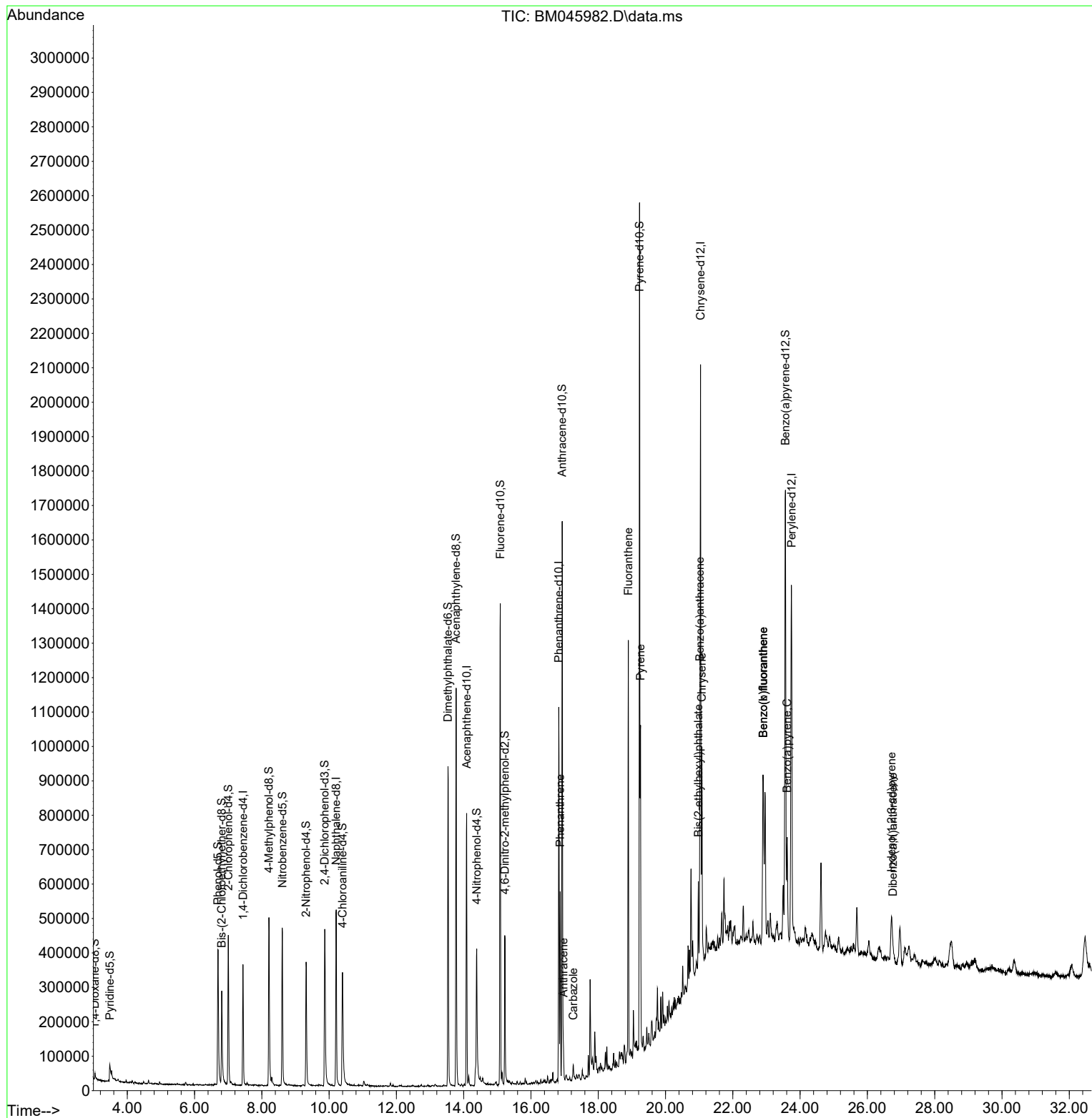
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.440  | 152  | 80365    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.210 | 136  | 363200   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.086 | 164  | 241605   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 16.827 | 188  | 538038   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.039 | 240  | 652065   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.744 | 264  | 762274   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.040  | 96   | 9385     | 4.528  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.481  | 84   | 43794    | 8.205  | ng/u1  | 0.03     |
| 7) Phenol-d5                  | 6.693  | 99   | 216013   | 31.640 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.804  | 67   | 152694   | 31.146 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.004  | 132  | 162308   | 31.827 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.210  | 113  | 174693   | 33.869 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.610  | 128  | 83692    | 29.472 | ng/u1  | 0.01     |
| 24) 2-Nitrophenol-d4          | 9.316  | 143  | 84192    | 29.294 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 9.869  | 165  | 168529   | 31.270 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.398 | 131  | 202758   | 27.183 | ng/u1  | 0.01     |
| 46) Dimethylphthalate-d6      | 13.533 | 166  | 566175   | 33.849 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.775 | 160  | 634879   | 32.687 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.386 | 143  | 85269    | 23.622 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.086 | 176  | 502061   | 35.185 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.227 | 200  | 66310    | 24.135 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 16.927 | 188  | 802860   | 34.325 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.227 | 212  | 1061453  | 26.176 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.562 | 264  | 1020169  | 28.635 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 16.868 | 178  | 267100   | 9.422  | ng/u1  | 99       |
| 74) Anthracene                | 16.963 | 178  | 49660    | 1.754  | ng/u1  | 97       |
| 77) Carbazole                 | 17.257 | 167  | 25472    | 1.054  | ng/u1  | 99       |
| 80) Fluoranthene              | 18.892 | 202  | 629465   | 12.804 | ng/u1  | 99       |
| 82) Pyrene                    | 19.256 | 202  | 516121   | 10.218 | ng/u1  | 98       |
| 85) Benzo(a)anthracene        | 21.021 | 228  | 317320   | 7.048  | ng/u1  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 20.974 | 149  | 69333    | 2.267  | ng/u1  | 100      |
| 87) Chrysene                  | 21.080 | 228  | 345049   | 8.284  | ng/u1  | 98       |
| 90) Benzo(b)fluoranthene      | 22.903 | 252  | 489076   | 10.440 | ng/u1  | 98       |
| 91) Benzo(k)fluoranthene      | 22.903 | 252  | 489076   | 10.689 | ng/u1# | 97       |
| 93) Benzo(a)pyrene            | 23.615 | 252  | 214532   | 5.212  | ng/u1  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.715 | 276  | 163303   | 3.633  | ng/u1  | 97       |
| 95) Dibenzo(a,h)anthracene    | 26.756 | 278  | 49666    | 1.397  | ng/u1  | 94       |

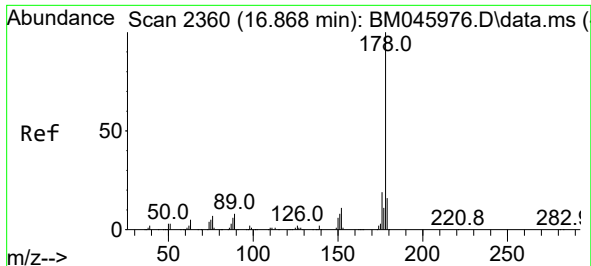
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061124\  
Data File : BM045982.D  
Acq On : 11 Jun 2024 19:00  
Operator : MA/JU  
Sample : P2642-14  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A4BH7

Quant Time: Jun 11 23:06:14 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-BM053124.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jun 11 16:01:34 2024  
Response via : Initial Calibration

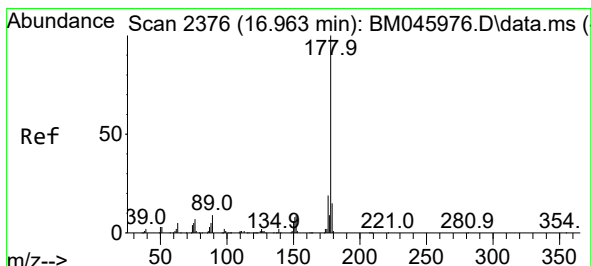
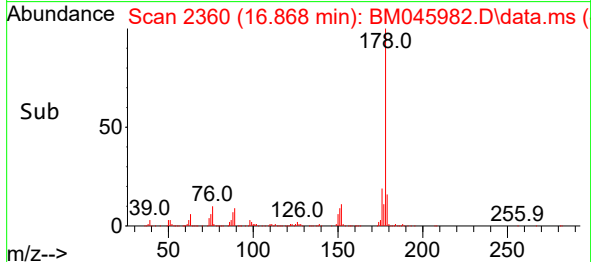
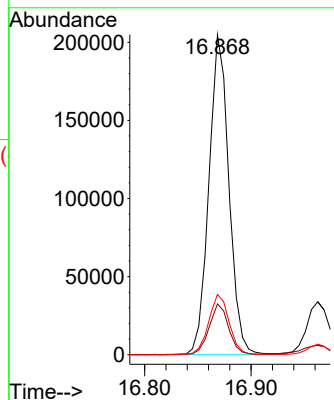
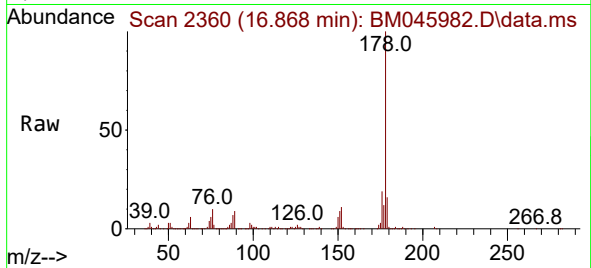




#72  
Phenanthrene  
Concen: 9.422 ng/ul  
RT: 16.868 min Scan# 2360  
Delta R.T. 0.000 min  
Lab File: BM045982.D  
Acq: 11 Jun 2024 19:00

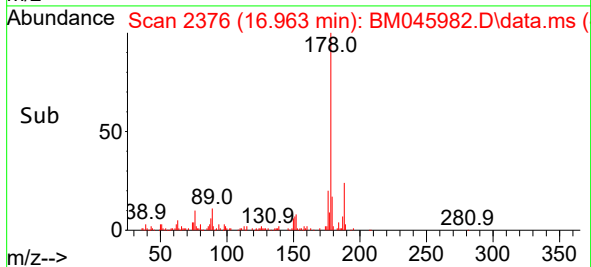
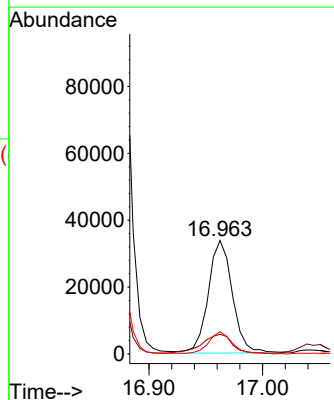
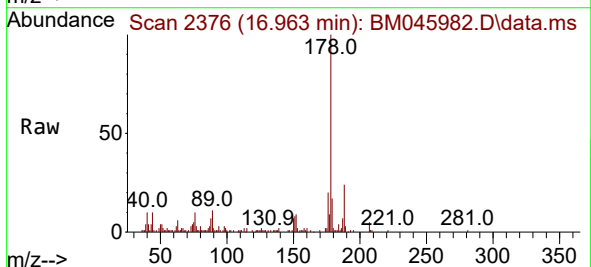
Instrument :  
BNA\_M  
ClientSampleId :  
A4BH7

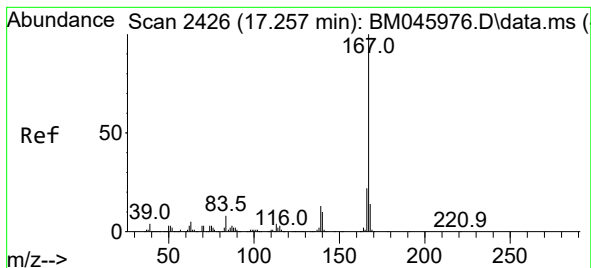
Tgt Ion:178 Resp: 267100  
Ion Ratio Lower Upper  
178 100  
179 15.8 12.4 18.6  
176 18.8 15.3 22.9



#74  
Anthracene  
Concen: 1.754 ng/ul  
RT: 16.963 min Scan# 2376  
Delta R.T. 0.000 min  
Lab File: BM045982.D  
Acq: 11 Jun 2024 19:00

Tgt Ion:178 Resp: 49660  
Ion Ratio Lower Upper  
178 100  
179 17.4 12.0 18.0  
176 19.5 15.0 22.6





#77

Carbazole

Concen: 1.054 ng/ul

RT: 17.257 min Scan# 24

Delta R.T. 0.000 min

Lab File: BM045982.D

Acq: 11 Jun 2024 19:00

Instrument :

BNA\_M

ClientSampleId :

A4BH7

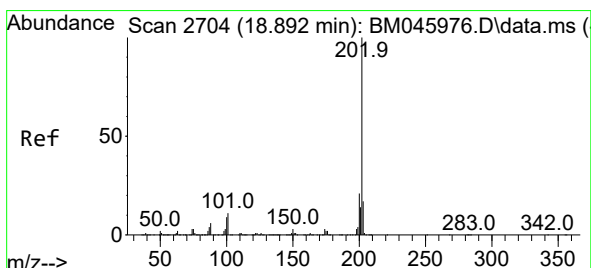
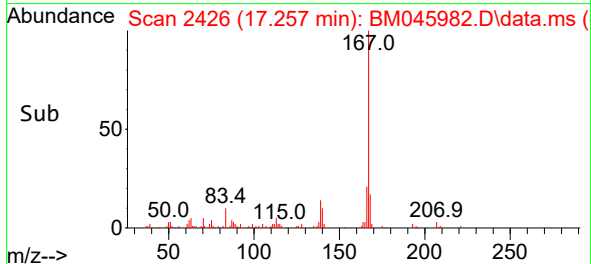
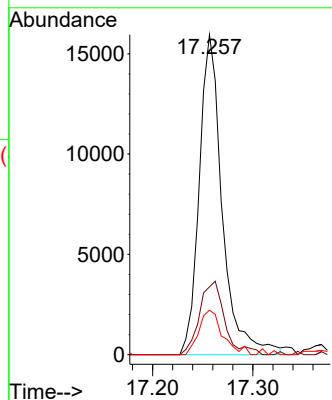
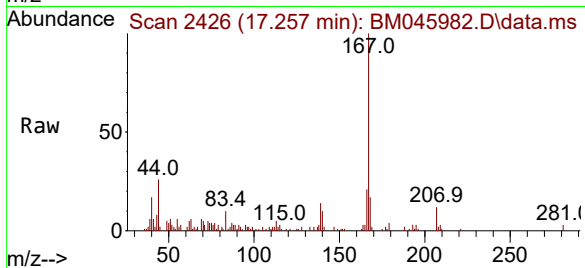
Tgt Ion:167 Resp: 25472

Ion Ratio Lower Upper

167 100

166 21.2 16.6 24.8

139 13.9 10.6 16.0



#80

Fluoranthene

Concen: 12.804 ng/ul

RT: 18.892 min Scan# 2704

Delta R.T. 0.000 min

Lab File: BM045982.D

Acq: 11 Jun 2024 19:00

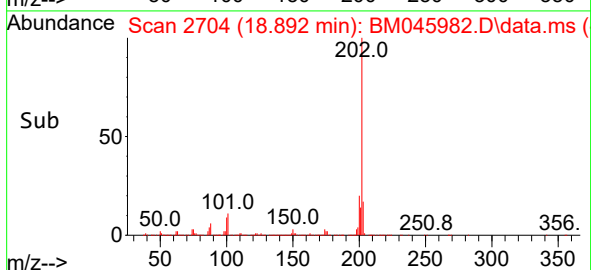
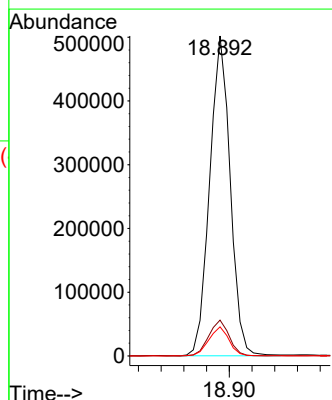
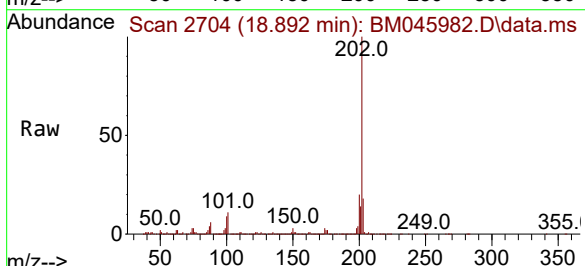
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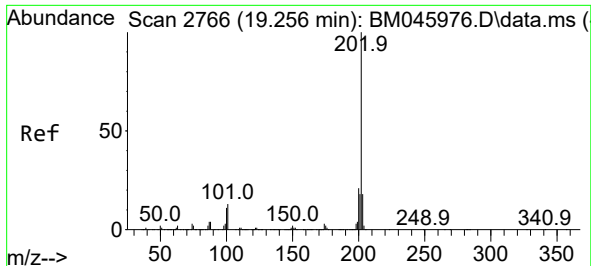
Ion Ratio Lower Upper

202 100

101 11.2 8.9 13.3

100 9.1 6.6 10.0

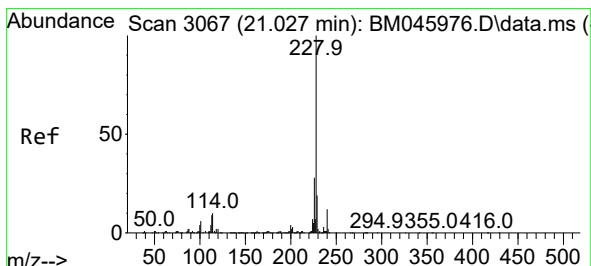
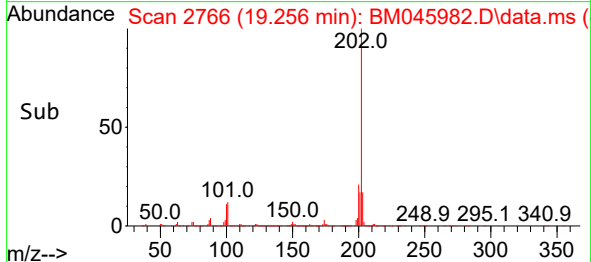
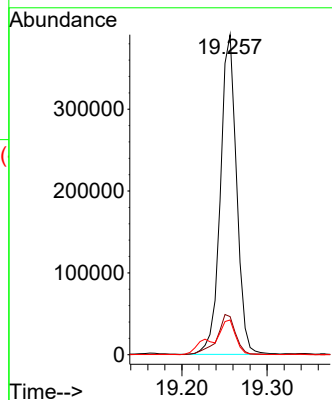
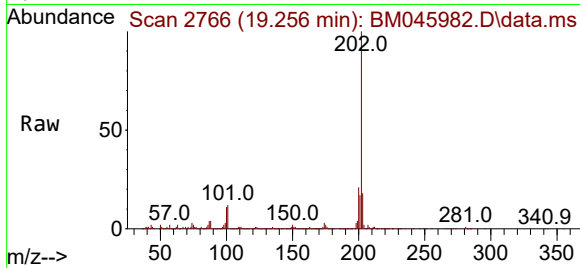




#82  
 Pyrene  
 Concen: 10.218 ng/ul  
 RT: 19.256 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BM045982.D  
 Acq: 11 Jun 2024 19:00

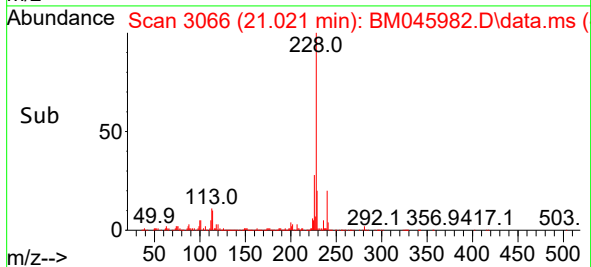
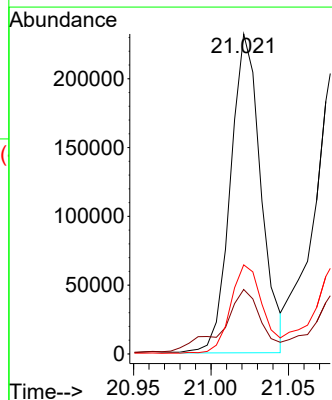
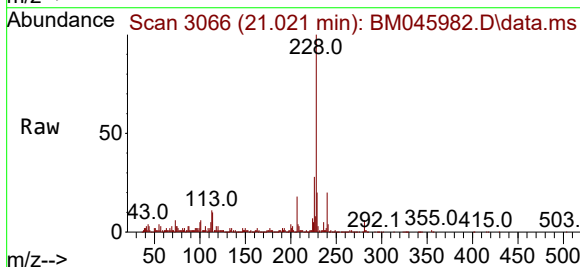
Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4BH7

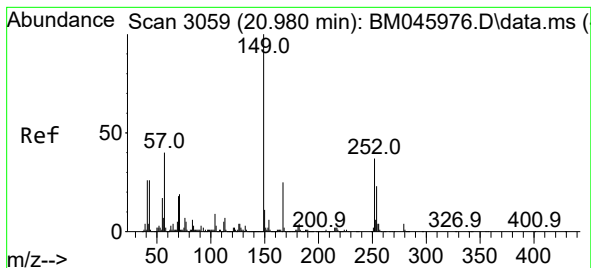
Tgt Ion:202 Resp: 516121  
 Ion Ratio Lower Upper  
 202 100  
 101 11.9 10.5 15.7  
 100 10.9 8.6 12.8



#85  
 Benzo(a)anthracene  
 Concen: 7.048 ng/ul  
 RT: 21.021 min Scan# 3066  
 Delta R.T. -0.006 min  
 Lab File: BM045982.D  
 Acq: 11 Jun 2024 19:00

Tgt Ion:228 Resp: 317320  
 Ion Ratio Lower Upper  
 228 100  
 229 20.1 15.8 23.8  
 226 27.9 21.4 32.0

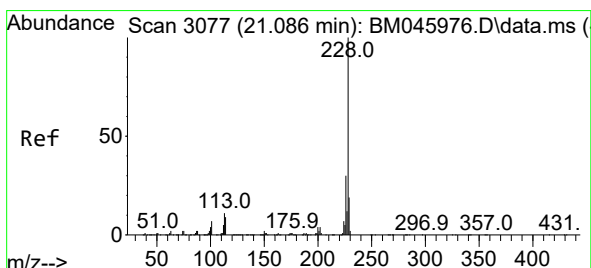
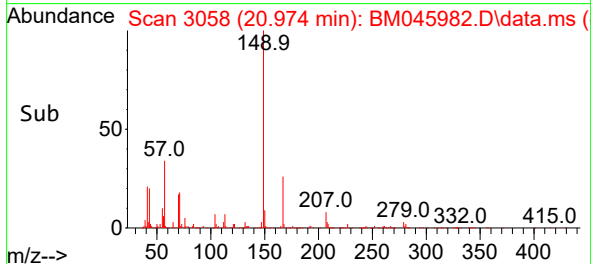
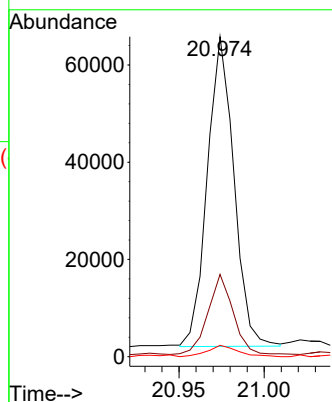
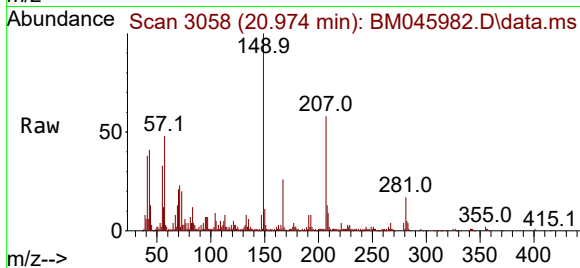




#86  
 Bis(2-ethylhexyl)phthalate  
 Concen: 2.267 ng/ul  
 RT: 20.974 min Scan# 3058  
 Delta R.T. -0.006 min  
 Lab File: BM045982.D  
 Acq: 11 Jun 2024 19:00

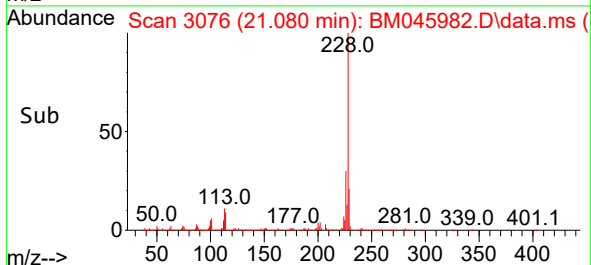
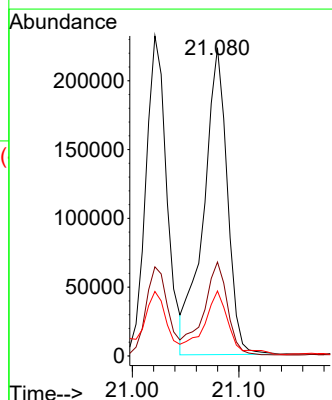
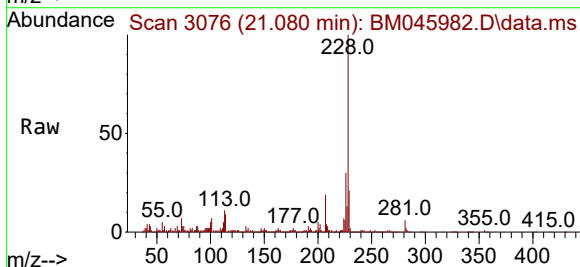
Instrument :  
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 A4BH7

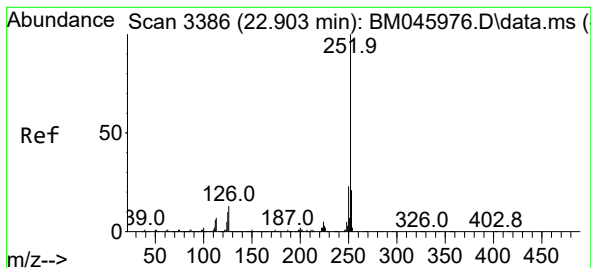
Tgt Ion:149 Resp: 69333  
 Ion Ratio Lower Upper  
 149 100  
 167 25.7 20.4 30.6  
 279 3.6 3.1 4.7



#87  
 Chrysene  
 Concen: 8.284 ng/ul  
 RT: 21.080 min Scan# 3076  
 Delta R.T. -0.006 min  
 Lab File: BM045982.D  
 Acq: 11 Jun 2024 19:00

Tgt Ion:228 Resp: 345049  
 Ion Ratio Lower Upper  
 228 100  
 226 30.5 24.2 36.2  
 229 21.1 15.2 22.8





#90

Benzo(b)fluoranthene

Concen: 10.440 ng/ul

RT: 22.903 min Scan# 3386

Delta R.T. 0.000 min

Lab File: BM045982.D

Acq: 11 Jun 2024 19:00

Instrument :

BNA\_M

ClientSampleId :

A4BH7

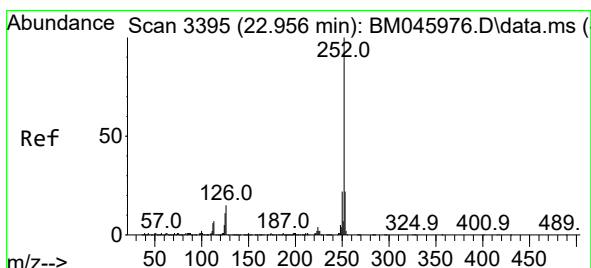
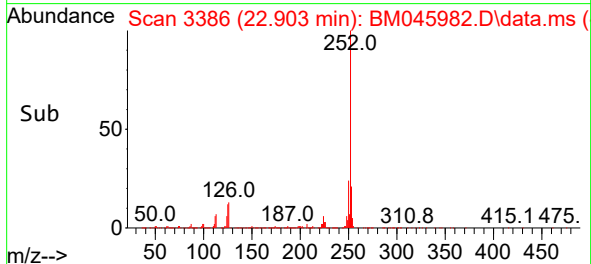
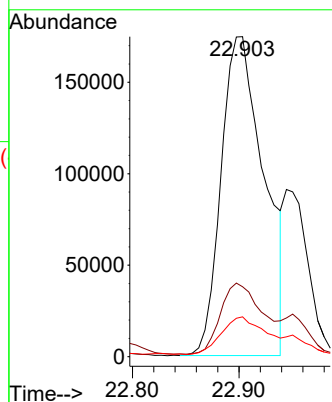
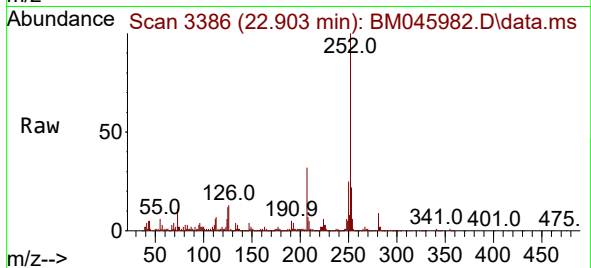
Tgt Ion:252 Resp: 489076

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

125 12.4 8.4 12.6



#91

Benzo(k)fluoranthene

Concen: 10.689 ng/ul

RT: 22.903 min Scan# 3386

Delta R.T. -0.053 min

Lab File: BM045982.D

Acq: 11 Jun 2024 19:00

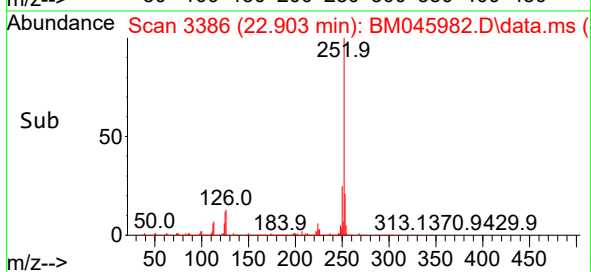
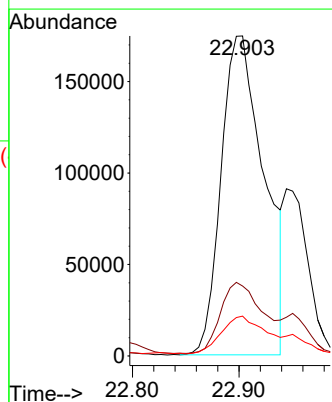
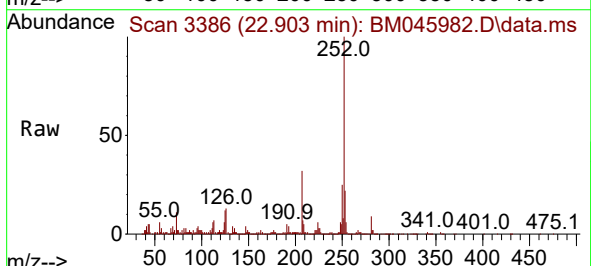
Tgt Ion:252 Resp: 489076

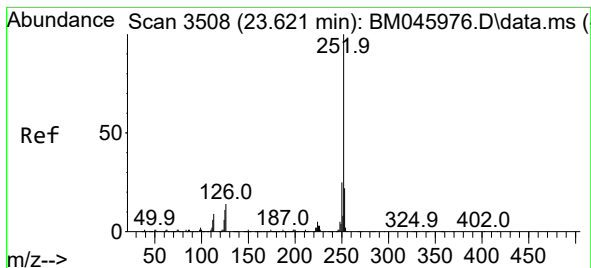
Ion Ratio Lower Upper

252 100

253 21.9 16.8 25.2

125 12.4 8.2 12.4#





#93

Benzo(a)pyrene

Concen: 5.212 ng/ul

RT: 23.615 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM045982.D

Acq: 11 Jun 2024 19:00

Instrument :

BNA\_M

ClientSampleId :

A4BH7

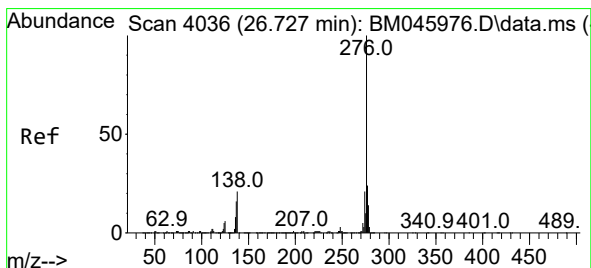
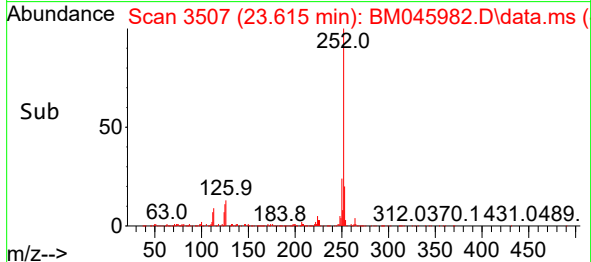
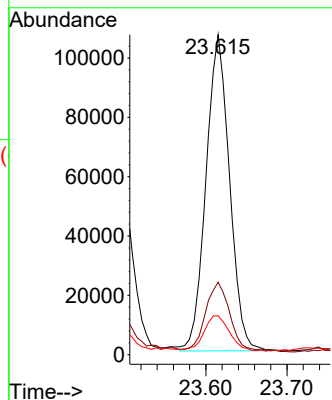
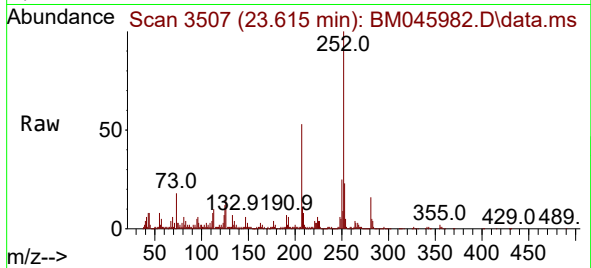
Tgt Ion:252 Resp: 214532

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 12.2 9.3 13.9



#94

Indeno(1,2,3-cd)pyrene

Concen: 3.633 ng/ul

RT: 26.715 min Scan# 4034

Delta R.T. -0.012 min

Lab File: BM045982.D

Acq: 11 Jun 2024 19:00

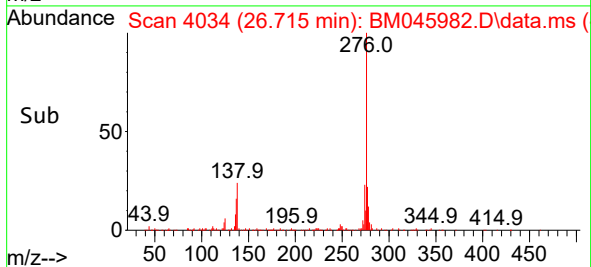
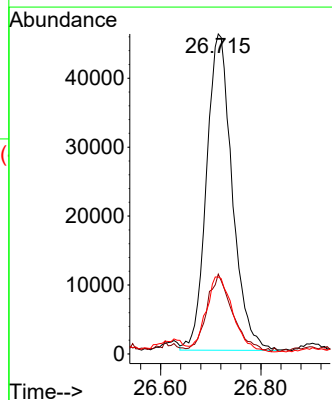
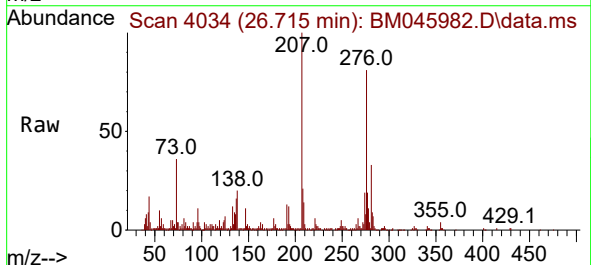
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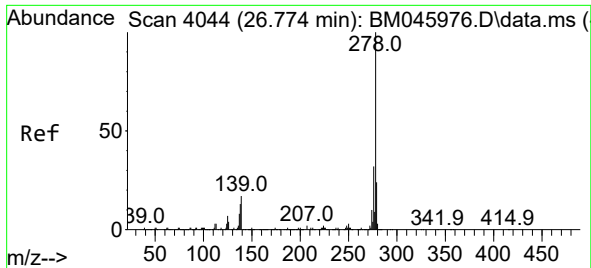
Ion Ratio Lower Upper

276 100

138 25.0 17.9 26.9

277 24.0 19.0 28.6





#95  
 Dibenzo(a,h)anthracene  
 Concen: 1.397 ng/ul  
 RT: 26.756 min Scan# 4041  
 Delta R.T. -0.018 min  
 Lab File: BM045982.D  
 Acq: 11 Jun 2024 19:00

Instrument :  
 BNA\_M  
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 A4BH7

Tgt Ion:278 Resp: 49666  
 Ion Ratio Lower Upper  
 278 100  
 139 18.1 13.2 19.8  
 279 27.5 19.1 28.7

