

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM040623\  
 Data File : BM039358.D  
 Acq On : 07 Apr 2023 18:05  
 Operator : CG/JU  
 Sample : 02115-01DL 5X  
 Misc :  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CB988DL

Quant Time: Apr 07 23:14:10 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM040623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 07 23:05:01 2023  
 Response via : Initial Calibration

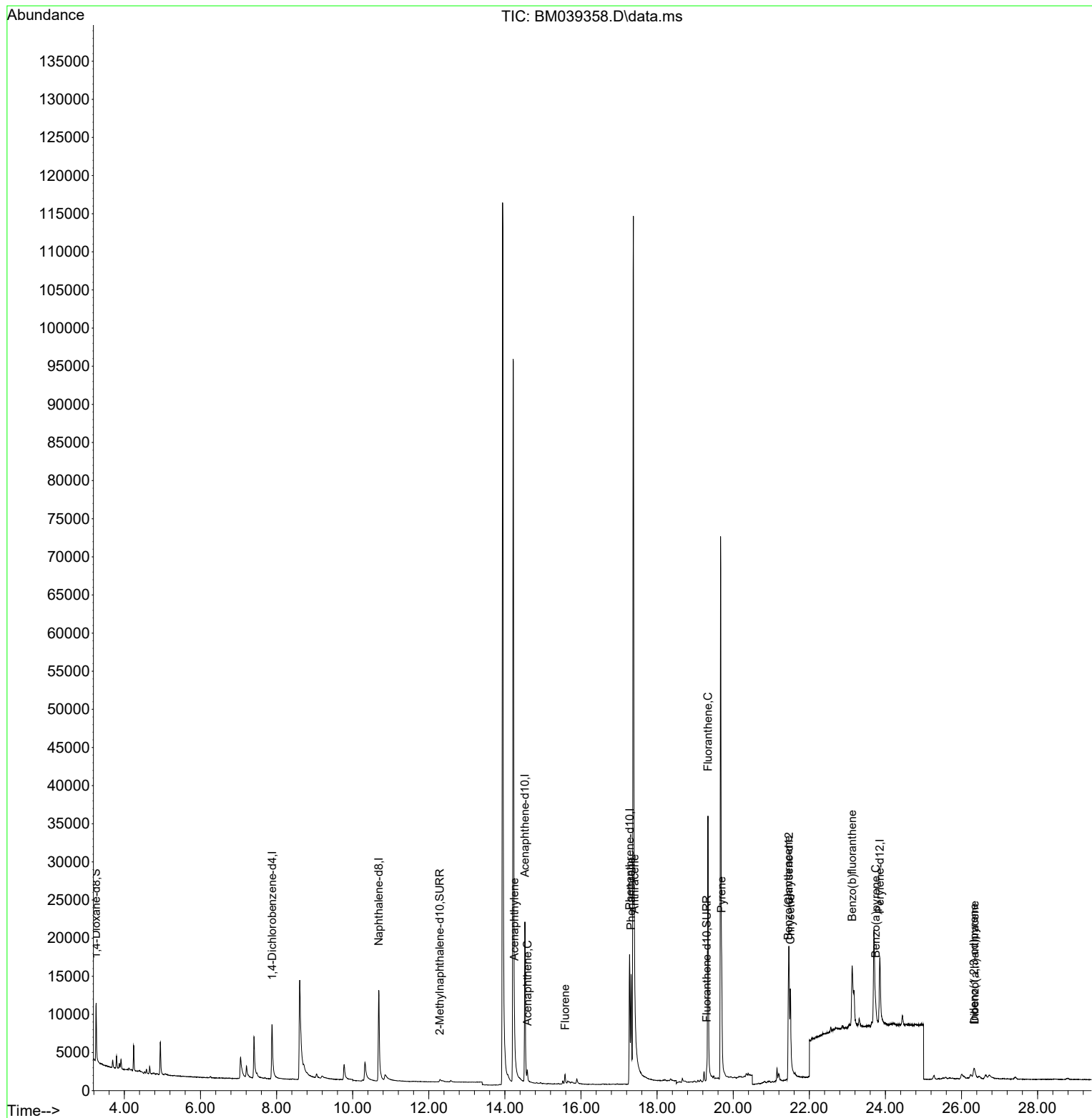
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.882  | 152  | 5691     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.686 | 136  | 21675    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.527 | 164  | 12597    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.278 | 188  | 23845    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.466 | 240  | 15384    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.854 | 264  | 13487    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.258  | 96   | 4838     | 0.459 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.291 | 152  | 1008     | 0.040 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.306 | 212  | 2286     | 0.048 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 10) Acenaphthylene          | 14.250 | 152  | 1404     | 0.029 | ng/ul# | 81       |
| 11) Acenaphthene            | 14.592 | 153  | 820      | 0.021 | ng/ul  | 96       |
| 12) Fluorene                | 15.582 | 166  | 1046     | 0.027 | ng/ul# | 96       |
| 15) Phenanthrene            | 17.316 | 178  | 17136    | 0.259 | ng/ul  | 99       |
| 16) Anthracene              | 17.409 | 178  | 3744     | 0.074 | ng/ul# | 89       |
| 19) Fluoranthene            | 19.338 | 202  | 35396    | 0.556 | ng/ul  | 98       |
| 20) Pyrene                  | 19.696 | 202  | 10908    | 0.149 | ng/ul  | 95       |
| 21) Benzo(a)anthracene      | 21.448 | 228  | 13837    | 0.390 | ng/ul  | 97       |
| 22) Chrysene                | 21.504 | 228  | 12134    | 0.279 | ng/ul  | 96       |
| 24) Benzo(b)fluoranthene    | 23.126 | 252  | 15061    | 0.352 | ng/ul  | 87       |
| 26) Benzo(a)pyrene          | 23.746 | 252  | 1821     | 0.042 | ng/ul# | 1        |
| 27) Indeno(1,2,3-cd)pyrene  | 26.327 | 276  | 2154     | 0.040 | ng/ul# | 94       |
| 28) Dibenzo(a,h)anthracene  | 26.344 | 278  | 1580     | 0.042 | ng/ul# | 7        |
| -----                       |        |      |          |       |        |          |

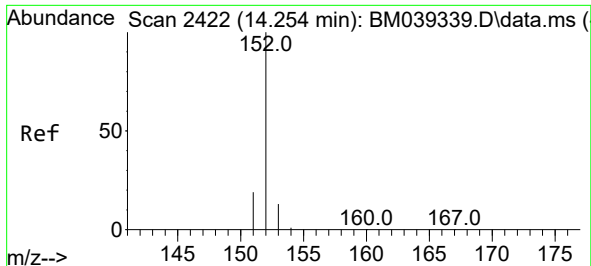
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM040623\  
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ALS Vial : 53 Sample Multiplier: 1

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM040623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Apr 07 23:05:01 2023  
Response via : Initial Calibration

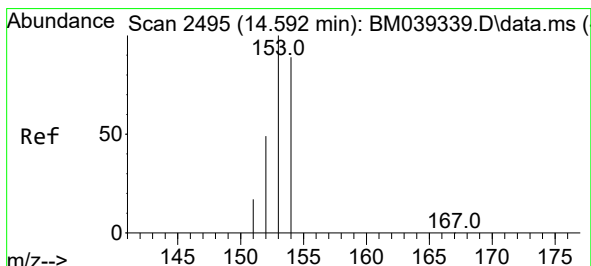
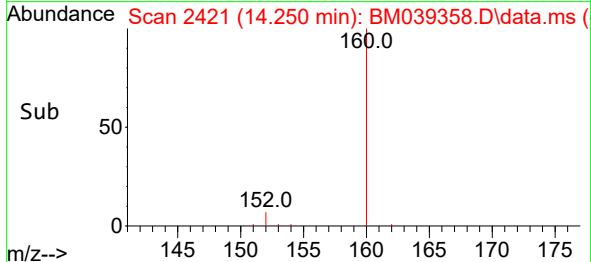
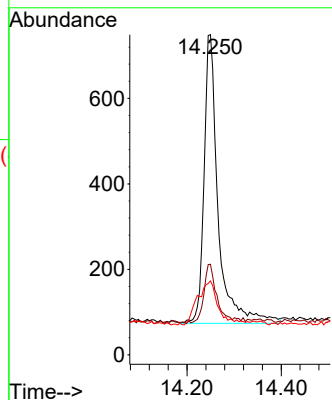
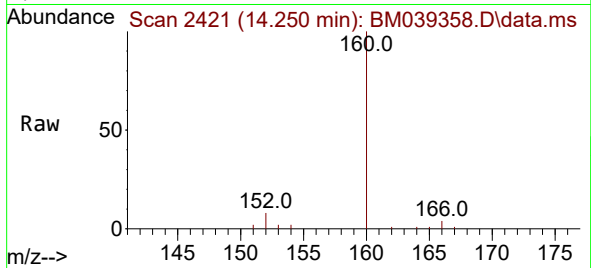




#10  
Acenaphthylene  
Concen: 0.029 ng/ul  
RT: 14.250 min Scan# 2421  
Delta R.T. -0.000 min  
Lab File: BM039358.D  
Acq: 07 Apr 2023 18:05

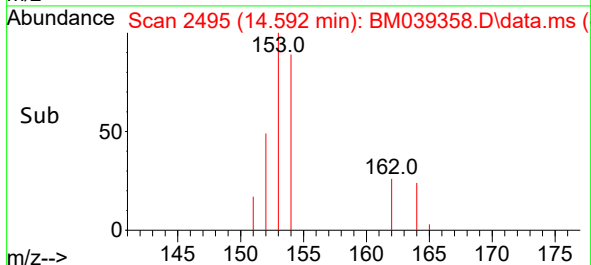
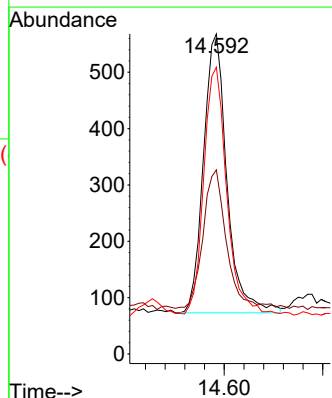
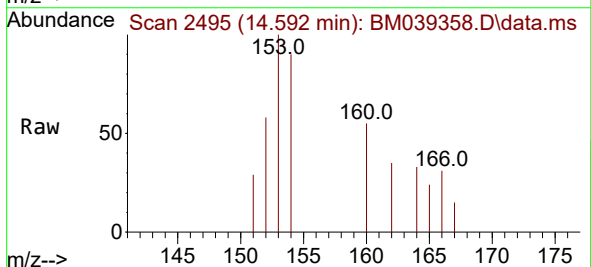
Instrument :  
BNA\_M  
ClientSampleId :  
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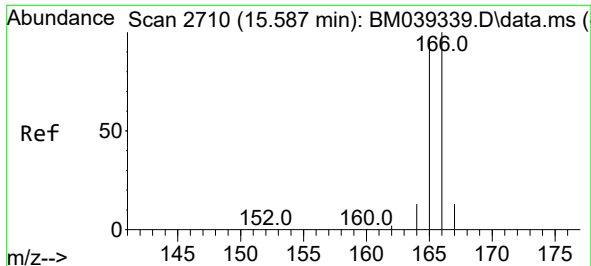
Tgt Ion:152 Resp: 1404  
Ion Ratio Lower Upper  
152 100  
151 28.3 16.2 24.4#  
153 23.1 11.6 17.4#



#11  
Acenaphthene  
Concen: 0.021 ng/ul  
RT: 14.592 min Scan# 2495  
Delta R.T. -0.000 min  
Lab File: BM039358.D  
Acq: 07 Apr 2023 18:05

Tgt Ion:153 Resp: 820  
Ion Ratio Lower Upper  
153 100  
152 57.6 40.3 60.5  
154 89.6 71.5 107.3

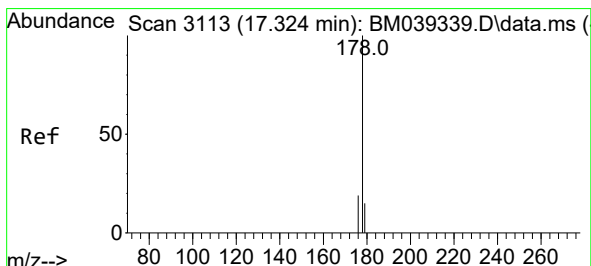
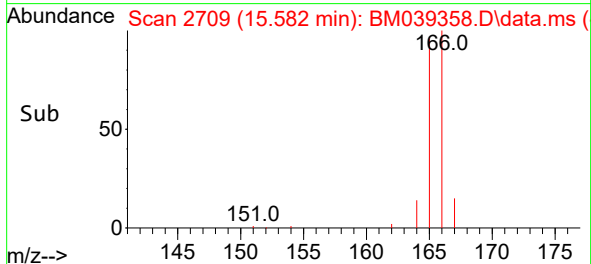
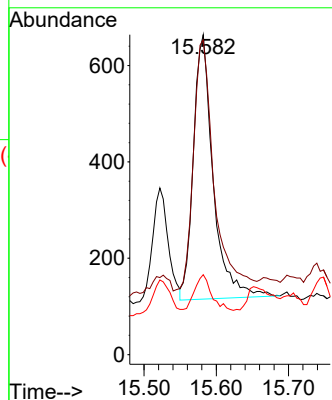
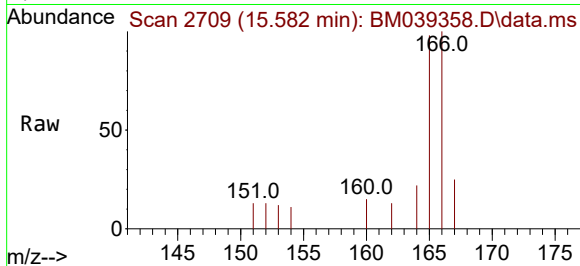




#12  
Fluorene  
Concen: 0.027 ng/ul  
RT: 15.582 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BM039358.D  
Acq: 07 Apr 2023 18:05

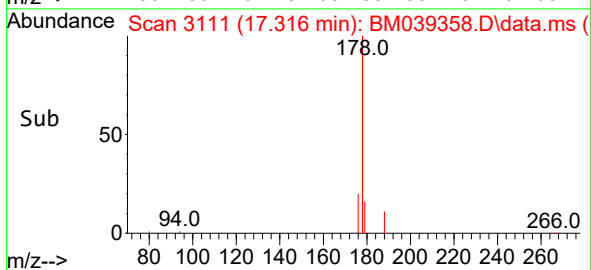
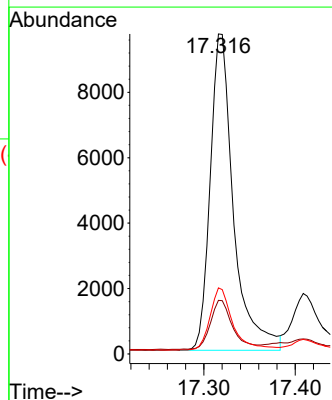
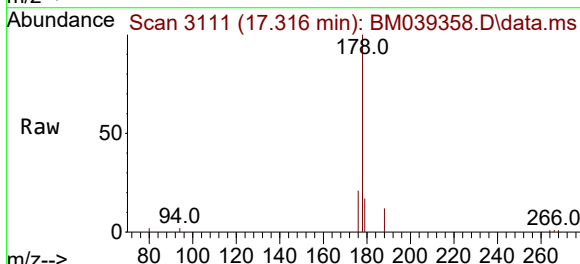
Instrument :  
BNA\_M  
ClientSampleId :  
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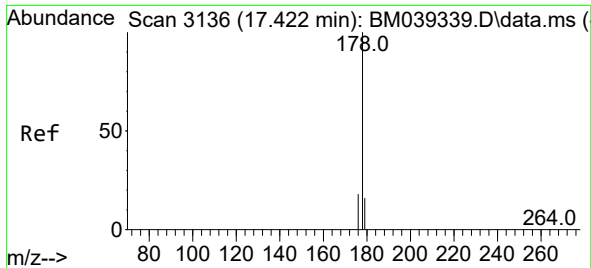
Tgt Ion:166 Resp: 1046  
Ion Ratio Lower Upper  
166 100  
165 98.3 77.8 116.8  
167 25.0 11.8 17.6#



#15  
Phenanthrene  
Concen: 0.259 ng/ul  
RT: 17.316 min Scan# 3111  
Delta R.T. -0.004 min  
Lab File: BM039358.D  
Acq: 07 Apr 2023 18:05

Tgt Ion:178 Resp: 17136  
Ion Ratio Lower Upper  
178 100  
179 16.8 13.4 20.2  
176 20.7 15.8 23.6

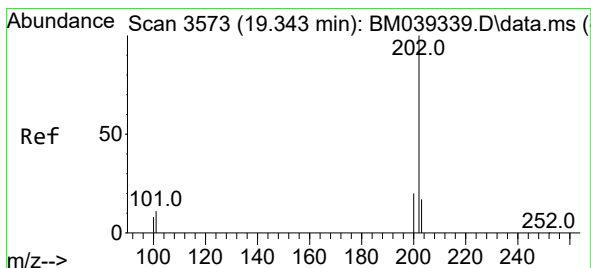
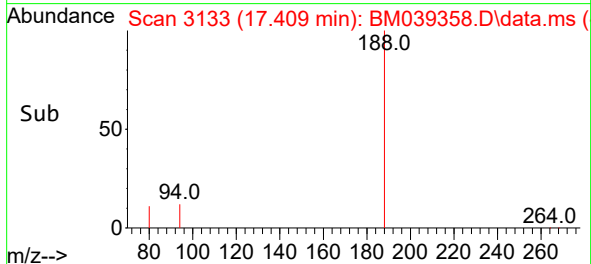
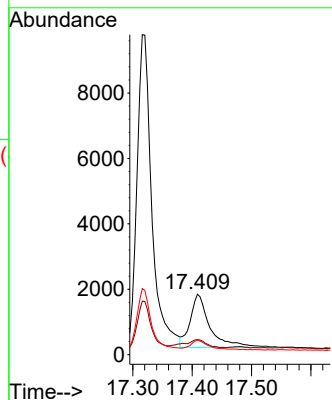
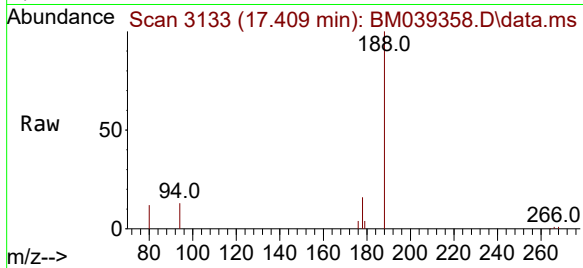




#16  
 Anthracene  
 Concen: 0.074 ng/ul  
 RT: 17.409 min Scan# 3136  
 Delta R.T. -0.009 min  
 Lab File: BM039358.D  
 Acq: 07 Apr 2023 18:05

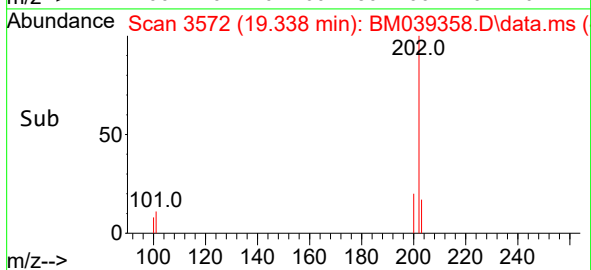
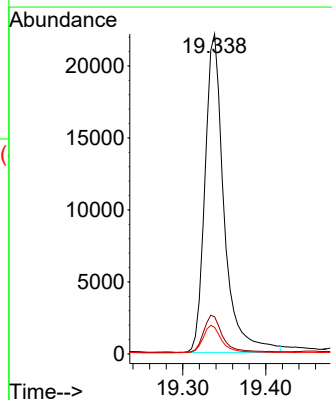
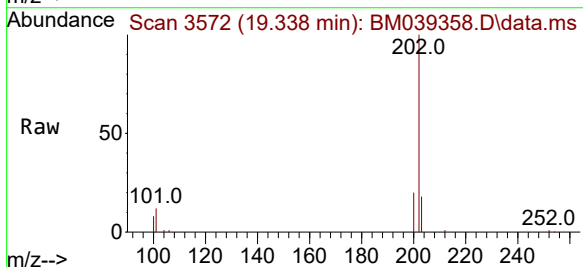
Instrument :  
 BNA\_M  
 ClientSampleId :  
 CB988DL

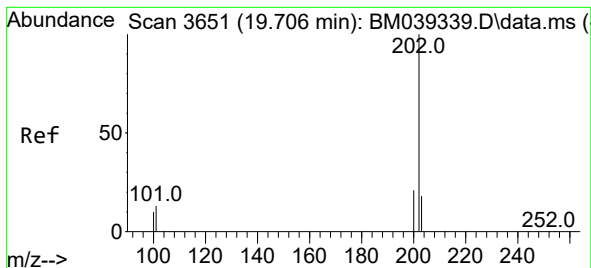
Tgt Ion:178 Resp: 3744  
 Ion Ratio Lower Upper  
 178 100  
 179 25.0 14.6 21.8#  
 176 24.2 16.6 24.8



#19  
 Fluoranthene  
 Concen: 0.556 ng/ul  
 RT: 19.338 min Scan# 3572  
 Delta R.T. -0.000 min  
 Lab File: BM039358.D  
 Acq: 07 Apr 2023 18:05

Tgt Ion:202 Resp: 35396  
 Ion Ratio Lower Upper  
 202 100  
 101 11.6 9.7 14.5  
 100 8.4 7.4 11.0





#20

Pyrene

Concen: 0.149 ng/ul

RT: 19.696 min Scan# 3

Delta R.T. -0.005 min

Lab File: BM039358.D

Acq: 07 Apr 2023 18:05

Instrument :

BNA\_M

ClientSampleId :

CB988DL

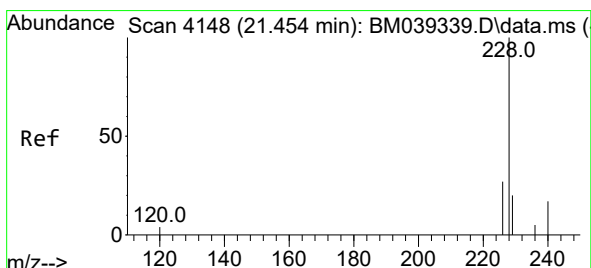
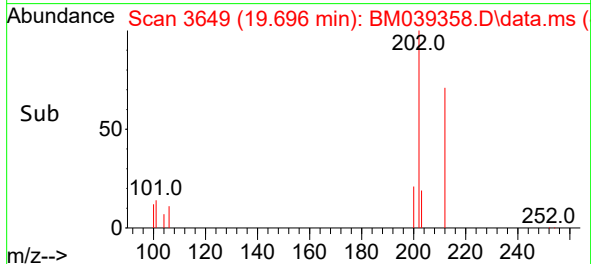
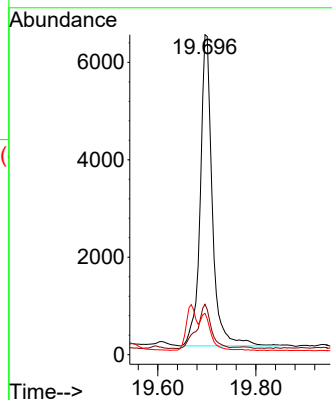
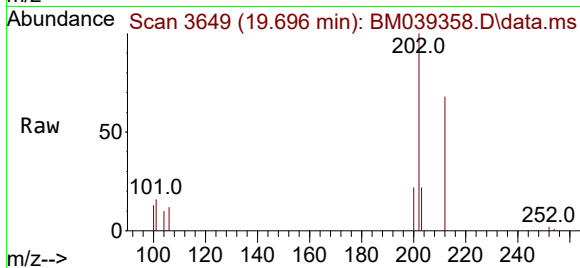
Tgt Ion:202 Resp: 10908

Ion Ratio Lower Upper

202 100

101 15.8 11.1 16.7

100 12.9 8.8 13.2



#21

Benzo(a)anthracene

Concen: 0.390 ng/ul

RT: 21.448 min Scan# 4146

Delta R.T. -0.003 min

Lab File: BM039358.D

Acq: 07 Apr 2023 18:05

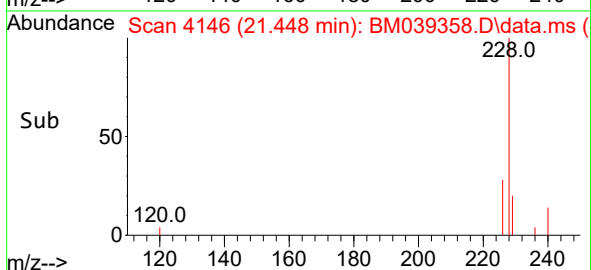
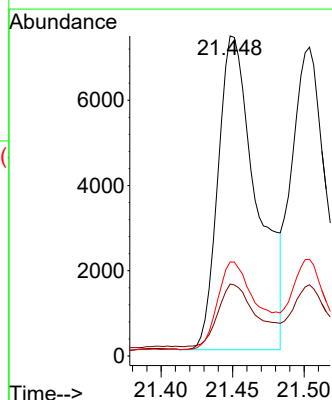
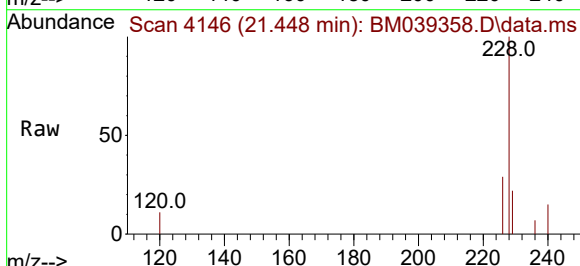
Tgt Ion:228 Resp: 13837

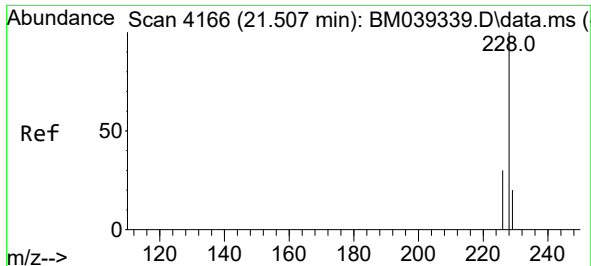
Ion Ratio Lower Upper

228 100

229 22.4 16.6 24.8

226 29.4 22.6 34.0





#22

Chrysene

Concen: 0.279 ng/ul

RT: 21.504 min Scan# 4166

Delta R.T. -0.000 min

Lab File: BM039358.D

Acq: 07 Apr 2023 18:05

Instrument :

BNA\_M

ClientSampleId :

CB988DL

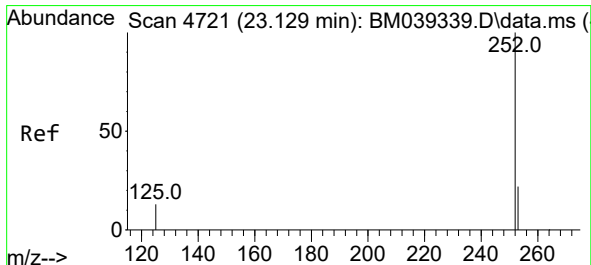
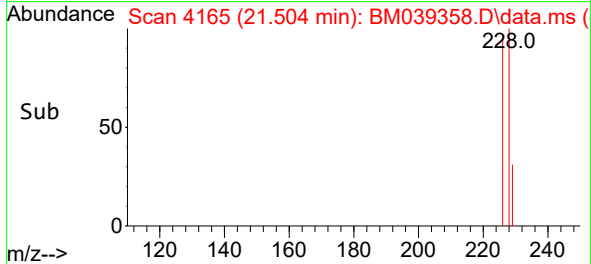
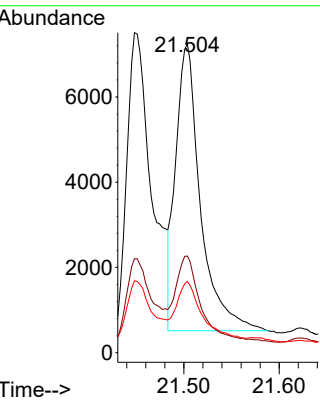
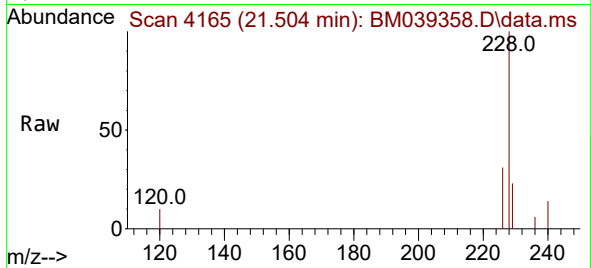
Tgt Ion:228 Resp: 12134

Ion Ratio Lower Upper

228 100

226 31.3 24.2 36.2

229 23.1 16.2 24.4



#24

Benzo(b)fluoranthene

Concen: 0.352 ng/ul

RT: 23.126 min Scan# 4720

Delta R.T. -0.003 min

Lab File: BM039358.D

Acq: 07 Apr 2023 18:05

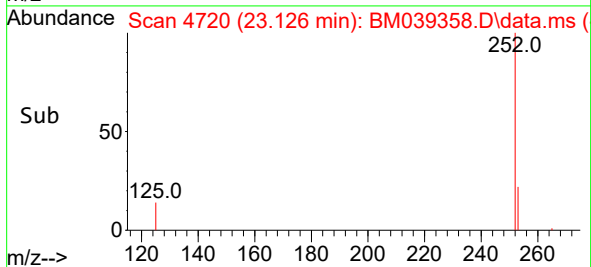
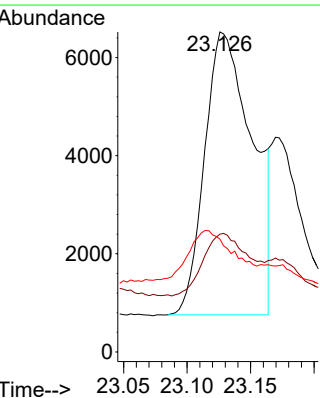
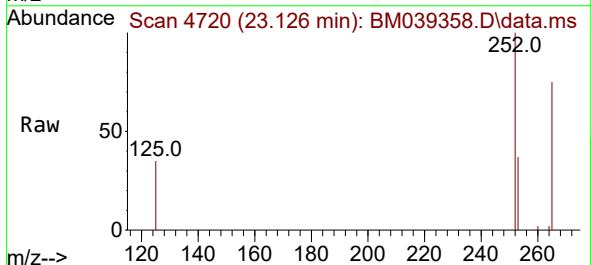
Tgt Ion:252 Resp: 15061

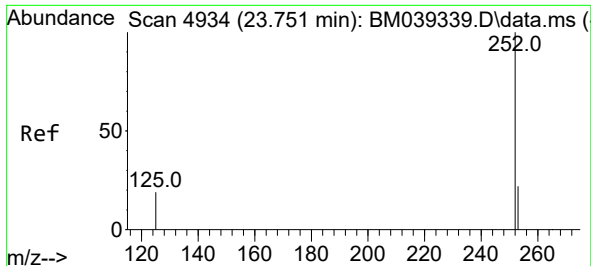
Ion Ratio Lower Upper

252 100

253 36.8 0.0 64.4

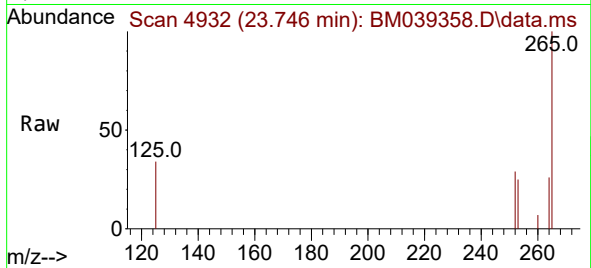
125 35.3 0.0 50.4



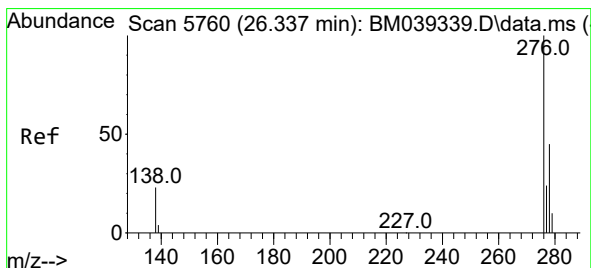
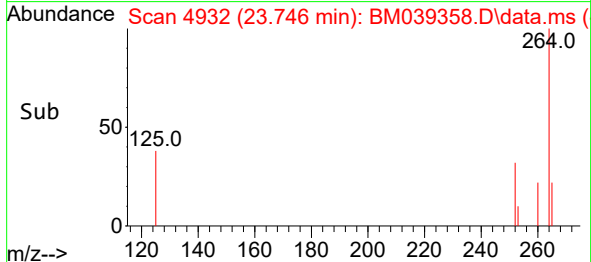
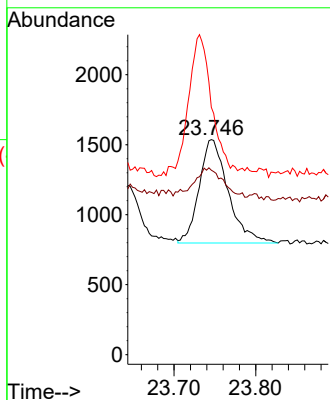


#26  
Benzo(a)pyrene  
Concen: 0.042 ng/ul  
RT: 23.746 min Scan# 4934  
Delta R.T. -0.003 min  
Lab File: BM039358.D  
Acq: 07 Apr 2023 18:05

Instrument :  
BNA\_M  
ClientSampleId :  
CB988DL

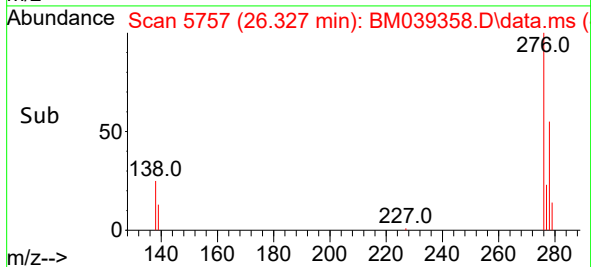
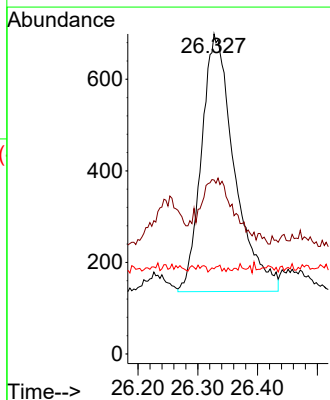
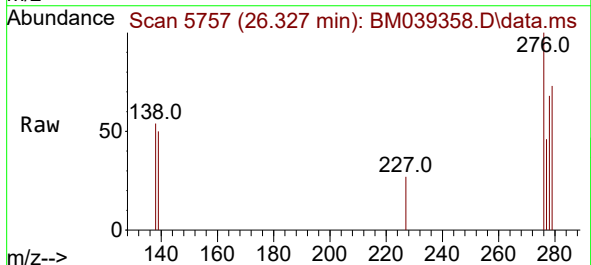


Tgt Ion:252 Resp: 1821  
Ion Ratio Lower Upper  
252 100  
253 85.8 31.0 46.4#  
125 115.0 28.2 42.4#

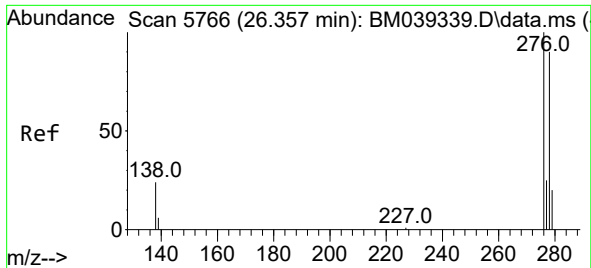


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.040 ng/ul  
RT: 26.327 min Scan# 5757  
Delta R.T. -0.010 min  
Lab File: BM039358.D  
Acq: 07 Apr 2023 18:05

Tgt Ion:276 Resp: 2154  
Ion Ratio Lower Upper  
276 100  
138 23.5 21.4 32.0  
227 0.6 0.1 0.1#

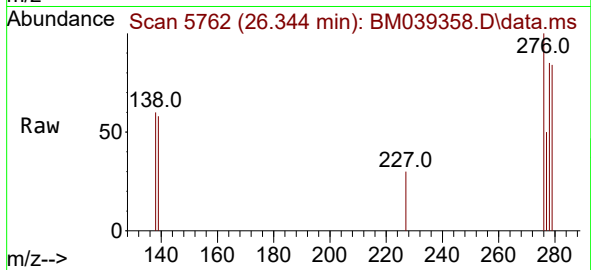






#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.042 ng/ul  
 RT: 26.344 min Scan# 51  
 Delta R.T. -0.010 min  
 Lab File: BM039358.D  
 Acq: 07 Apr 2023 18:05

Instrument :  
 BNA\_M  
 ClientSampleId :  
 CB988DL



Tgt Ion:278 Resp: 1580  
 Ion Ratio Lower Upper  
 278 100  
 139 68.4 21.8 32.6#  
 279 99.0 30.0 45.0#

