

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM092523\  
 Data File : BM042065.D  
 Acq On : 26 Sep 2023 11:27  
 Operator : MA/JU  
 Sample : 04429-11  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BBBM3

Quant Time: Sep 27 04:25:03 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 22 13:50:58 2023  
 Response via : Initial Calibration

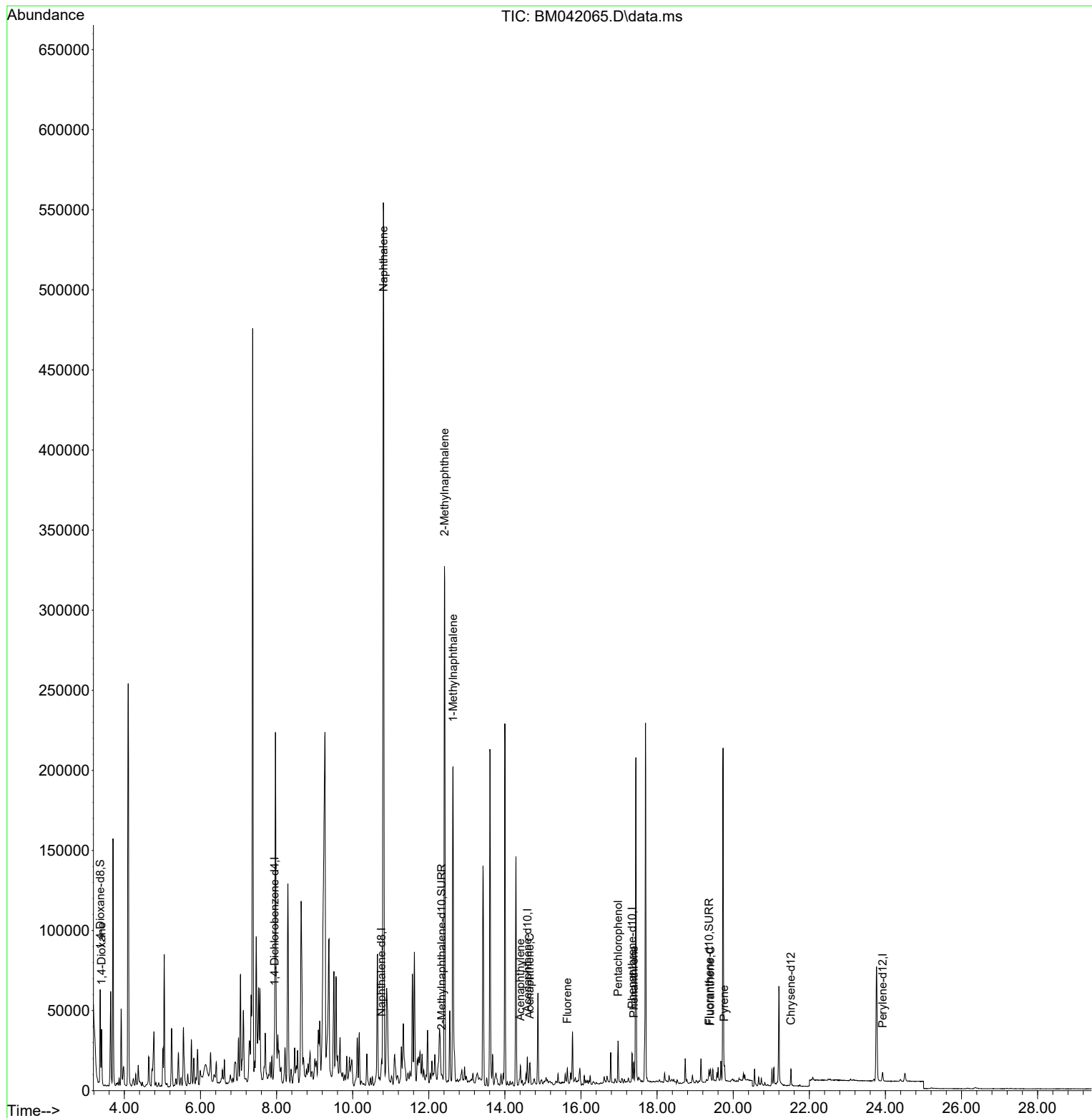
| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| -----                       |        |      |          |        |        |          |
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.946  | 152  | 6735     | 0.400  | ng/ul  | # 0.00   |
| 4) Naphthalene-d8           | 10.757 | 136  | 17364    | 0.400  | ng/ul  | #-0.01   |
| 9) Acenaphthene-d10         | 14.592 | 164  | 9205     | 0.400  | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.341 | 188  | 18035    | 0.400  | ng/ul  | #-0.01   |
| 17) Chrysene-d12            | 21.518 | 240  | 8605     | 0.400  | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.927 | 264  | 7397     | 0.400  | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.368  | 96   | 32977    | 3.593  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.341 | 152  | 2841     | 0.131  | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 19.366 | 212  | 4599     | 0.130  | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        |        | Qvalue   |
| 2) 1,4-Dioxane              | 3.402  | 88   | 20559    | 2.129  | ng/ul# | 86       |
| 5) Naphthalene              | 10.812 | 128  | 695333   | 11.953 | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 12.418 | 142  | 223258   | 6.438  | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.638 | 142  | 134556   | 3.822  | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.407 | 152  | 12293    | 0.199  | ng/ul  | 96       |
| 11) Acenaphthene            | 14.652 | 153  | 7625     | 0.161  | ng/ul  | 98       |
| 12) Fluorene                | 15.642 | 166  | 5975     | 0.112  | ng/ul# | 93       |
| 14) Pentachlorophenol       | 16.974 | 266  | 16287    | 1.707  | ng/ul  | 100      |
| 15) Phenanthrene            | 17.388 | 178  | 13413    | 0.160  | ng/ul# | 90       |
| 19) Fluoranthene            | 19.399 | 202  | 3649     | 0.038  | ng/ul# | 1        |
| 20) Pyrene                  | 19.761 | 202  | 4034     | 0.042  | ng/ul# | 40       |
| -----                       |        |      |          |        |        |          |

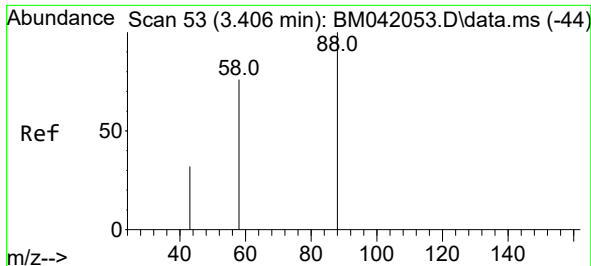
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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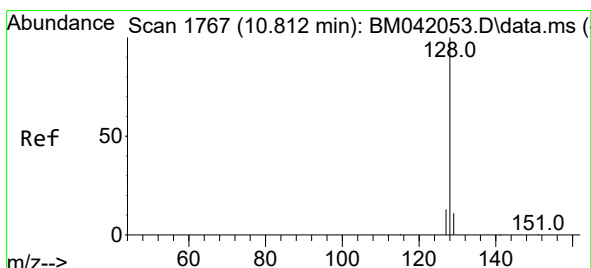
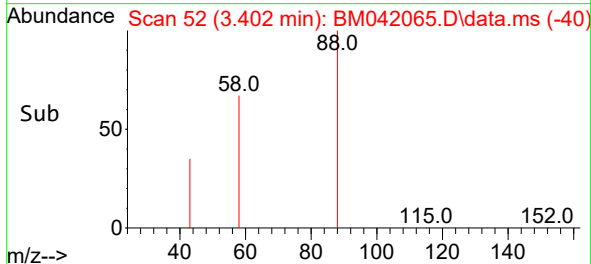
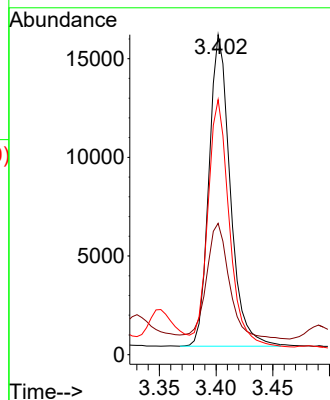
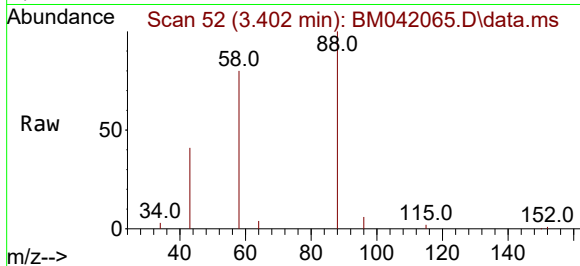




#2  
1,4-Dioxane  
Concen: 2.129 ng/ul  
RT: 3.402 min Scan# 51  
Delta R.T. -0.008 min  
Lab File: BM042065.D  
Acq: 26 Sep 2023 11:27

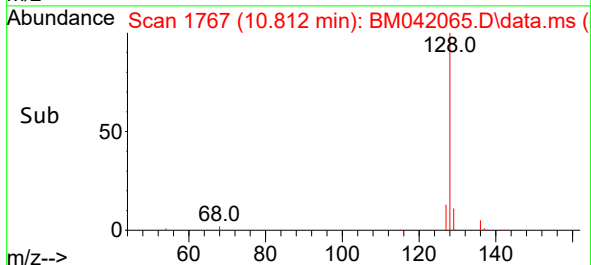
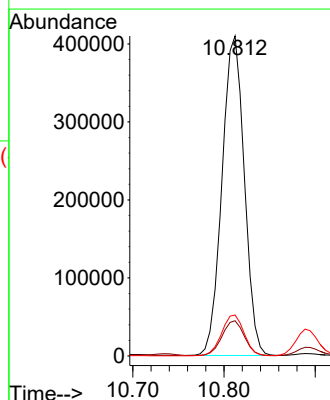
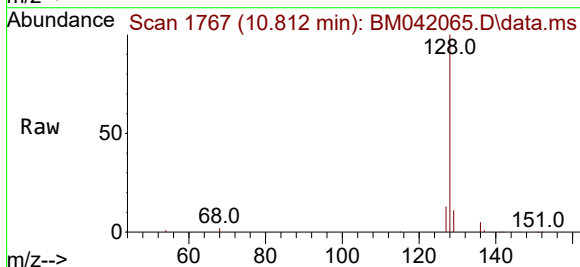
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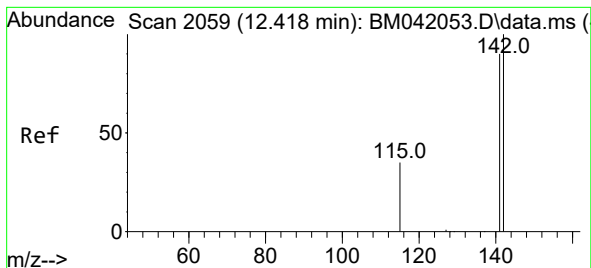
Tgt Ion: 88 Resp: 20559  
Ion Ratio Lower Upper  
88 100  
43 41.0 42.9 64.3#  
58 79.7 56.4 84.6



#5  
Naphthalene  
Concen: 11.953 ng/ul  
RT: 10.812 min Scan# 1767  
Delta R.T. -0.005 min  
Lab File: BM042065.D  
Acq: 26 Sep 2023 11:27

Tgt Ion: 128 Resp: 695333  
Ion Ratio Lower Upper  
128 100  
129 11.0 9.2 13.8  
127 12.8 10.8 16.2

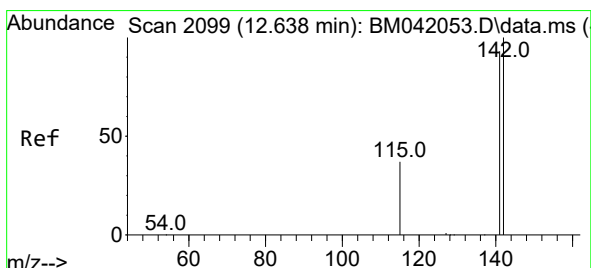
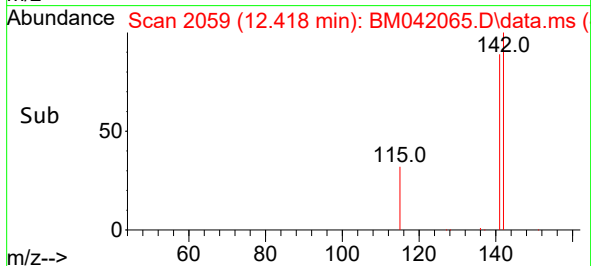
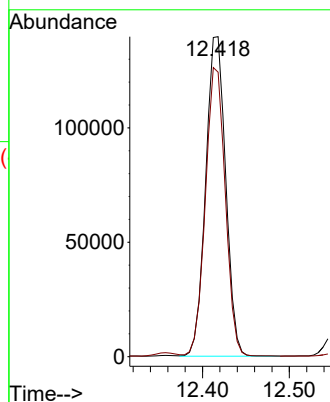
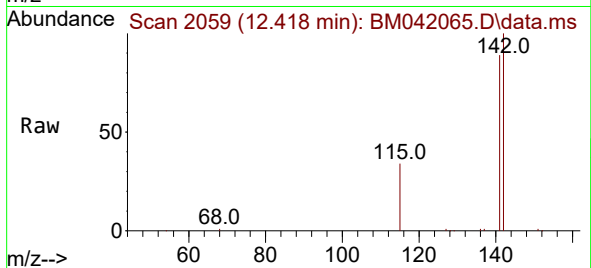




#7  
2-Methylnaphthalene  
Concen: 6.438 ng/ul  
RT: 12.418 min Scan# 2059  
Delta R.T. -0.005 min  
Lab File: BM042065.D  
Acq: 26 Sep 2023 11:27

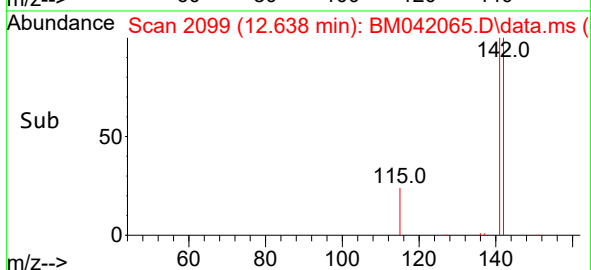
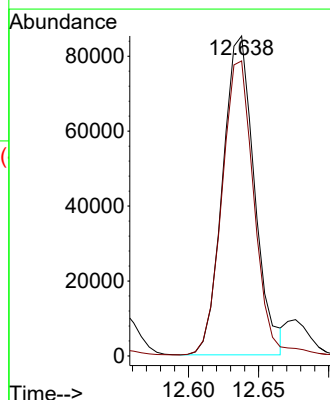
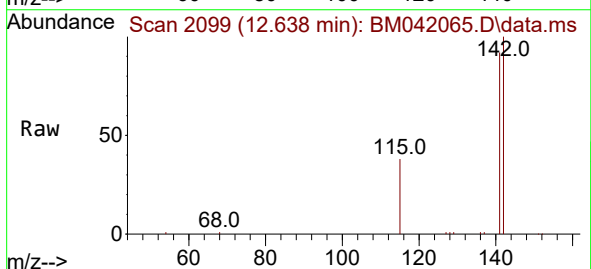
Instrument :  
BNA\_M  
ClientSampleId :  
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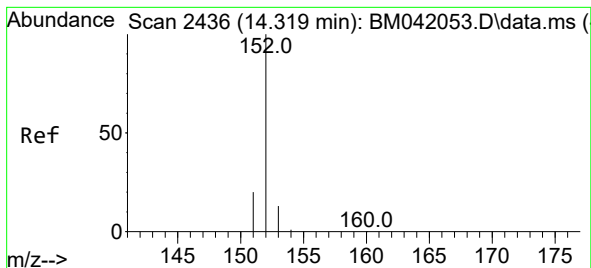
Tgt Ion:142 Resp: 223258  
Ion Ratio Lower Upper  
142 100  
141 89.8 72.1 108.1



#8  
1-Methylnaphthalene  
Concen: 3.822 ng/ul  
RT: 12.638 min Scan# 2099  
Delta R.T. -0.005 min  
Lab File: BM042065.D  
Acq: 26 Sep 2023 11:27

Tgt Ion:142 Resp: 134556  
Ion Ratio Lower Upper  
142 100  
141 92.6 75.1 112.7





#10

Acenaphthylene

Concen: 0.199 ng/ul

RT: 14.407 min Scan# 2436

Delta R.T. 0.079 min

Lab File: BM042065.D

Acq: 26 Sep 2023 11:27

Instrument :

BNA\_M

ClientSampleId :

BBBM3

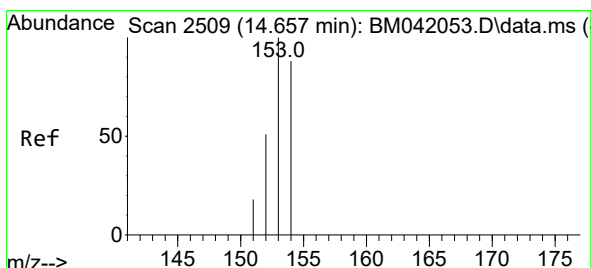
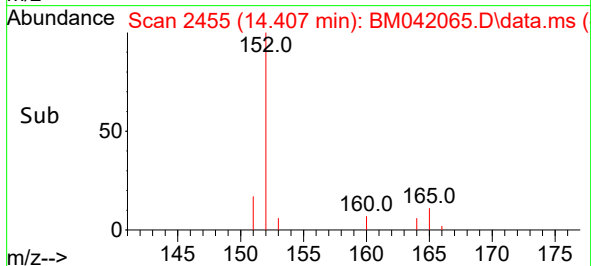
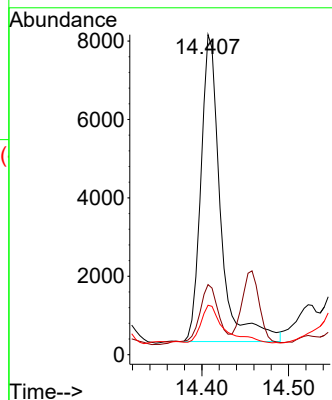
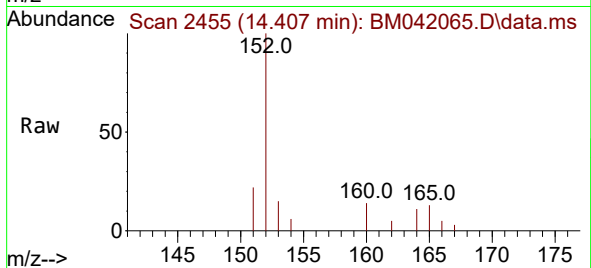
Tgt Ion:152 Resp: 12293

Ion Ratio Lower Upper

152 100

151 21.9 16.2 24.4

153 15.4 10.8 16.2



#11

Acenaphthene

Concen: 0.161 ng/ul

RT: 14.652 min Scan# 2508

Delta R.T. -0.009 min

Lab File: BM042065.D

Acq: 26 Sep 2023 11:27

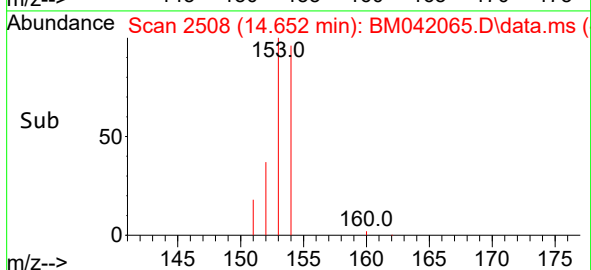
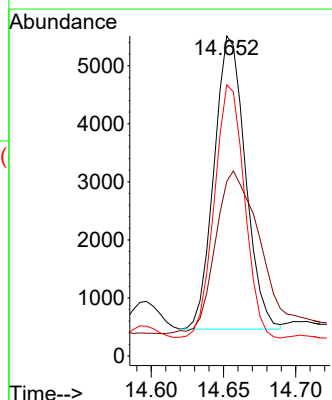
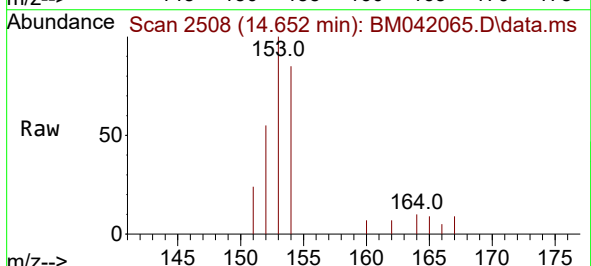
Tgt Ion:153 Resp: 7625

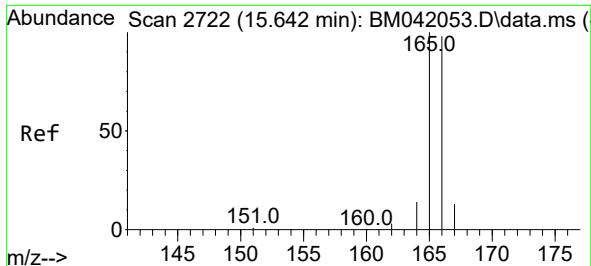
Ion Ratio Lower Upper

153 100

152 54.5 41.8 62.8

154 84.7 69.0 103.6

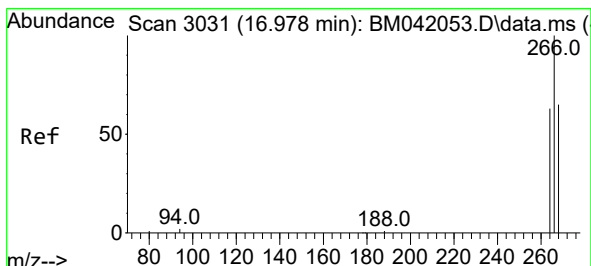
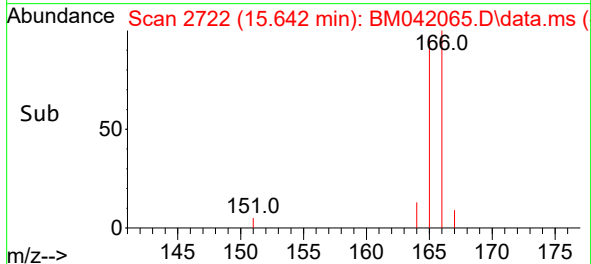
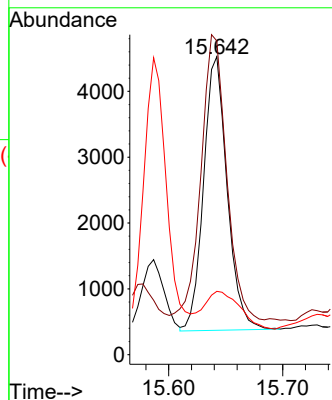
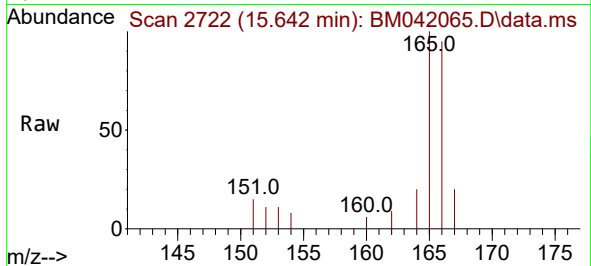




#12  
Fluorene  
Concen: 0.112 ng/ul  
RT: 15.642 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BM042065.D  
Acq: 26 Sep 2023 11:27

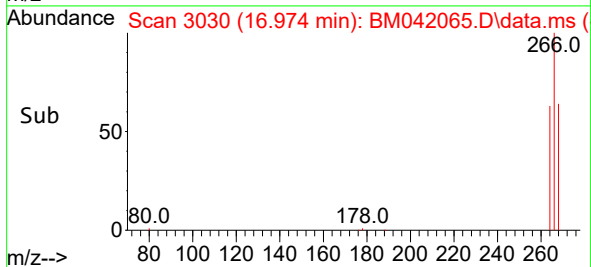
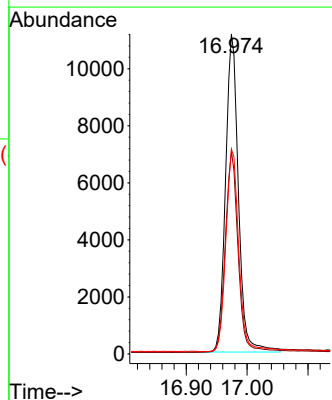
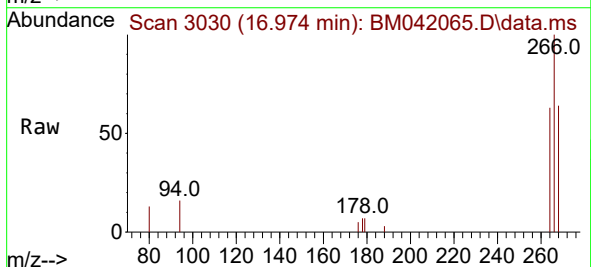
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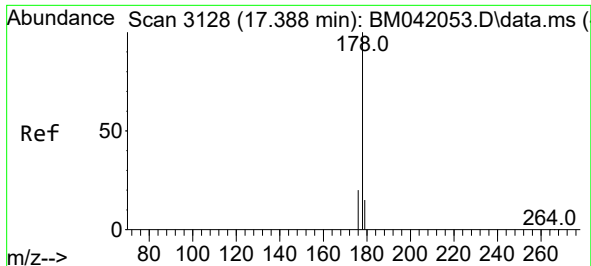
Tgt Ion:166 Resp: 5975  
Ion Ratio Lower Upper  
166 100  
165 105.3 79.8 119.8  
167 21.3 11.1 16.7#



#14  
Pentachlorophenol  
Concen: 1.707 ng/ul  
RT: 16.974 min Scan# 3030  
Delta R.T. -0.008 min  
Lab File: BM042065.D  
Acq: 26 Sep 2023 11:27

Tgt Ion:266 Resp: 16287  
Ion Ratio Lower Upper  
266 100  
264 62.9 50.2 75.4  
268 63.9 51.0 76.4

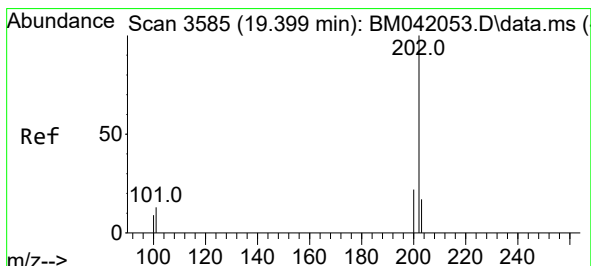
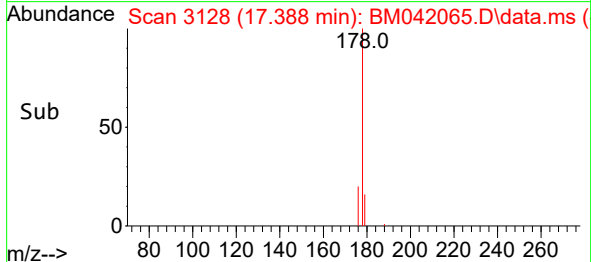
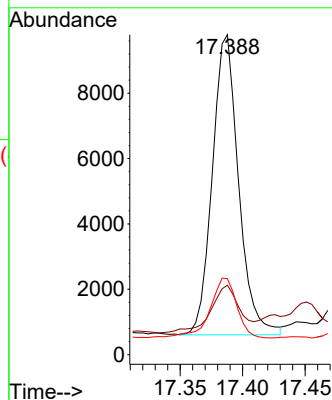
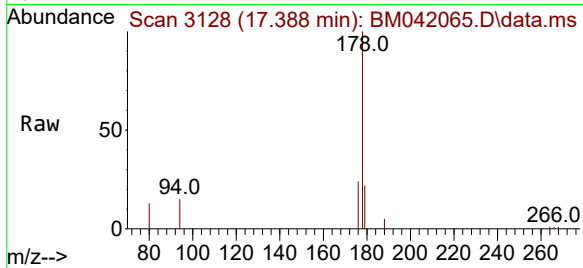




#15  
Phenanthrene  
Concen: 0.160 ng/ul  
RT: 17.388 min Scan# 3128  
Delta R.T. -0.008 min  
Lab File: BM042065.D  
Acq: 26 Sep 2023 11:27

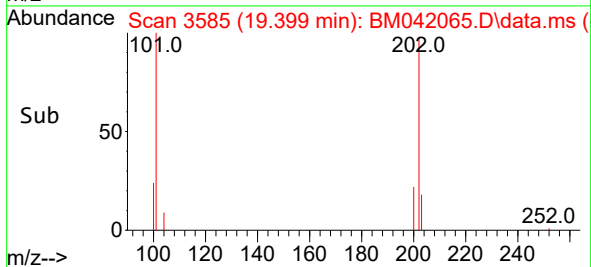
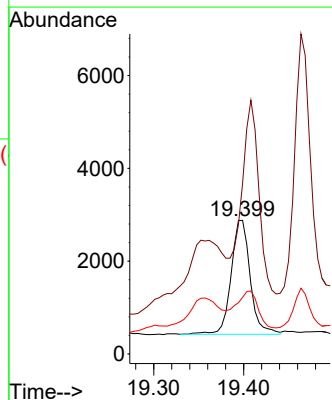
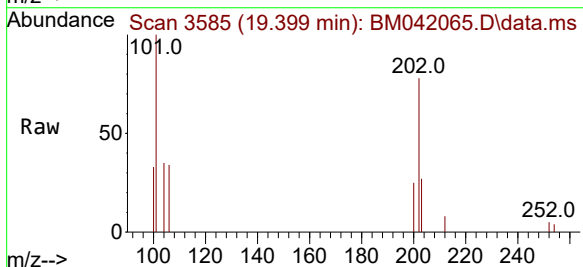
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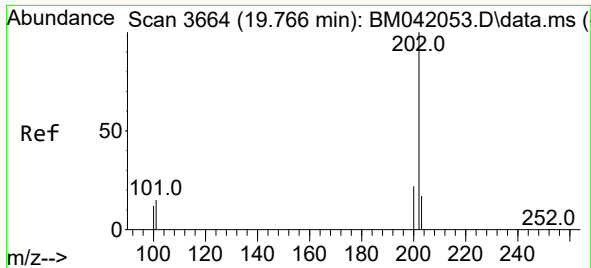
Tgt Ion:178 Resp: 13413  
Ion Ratio Lower Upper  
178 100  
179 21.7 12.7 19.1#  
176 23.7 16.6 24.8



#19  
Fluoranthene  
Concen: 0.038 ng/ul  
RT: 19.399 min Scan# 3585  
Delta R.T. -0.005 min  
Lab File: BM042065.D  
Acq: 26 Sep 2023 11:27

Tgt Ion:202 Resp: 3649  
Ion Ratio Lower Upper  
202 100  
101 127.8 11.8 17.6#  
100 42.4 9.1 13.7#





#20  
 Pyrene  
 Concen: 0.042 ng/ul  
 RT: 19.761 min Scan# 30  
 Delta R.T. -0.009 min  
 Lab File: BM042065.D  
 Acq: 26 Sep 2023 11:27

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BBBM3

Tgt Ion:202 Resp: 4034  
 Ion Ratio Lower Upper  
 202 100  
 101 47.9 14.1 21.1#  
 100 34.4 11.4 17.0#

