

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072624\  
 Data File : BM046860.D  
 Acq On : 27 Jul 2024 09:48  
 Operator : MA/JU  
 Sample : P3264-16  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4CM3

Quant Time: Jul 28 23:29:25 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM072424.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 24 15:10:37 2024  
 Response via : Initial Calibration

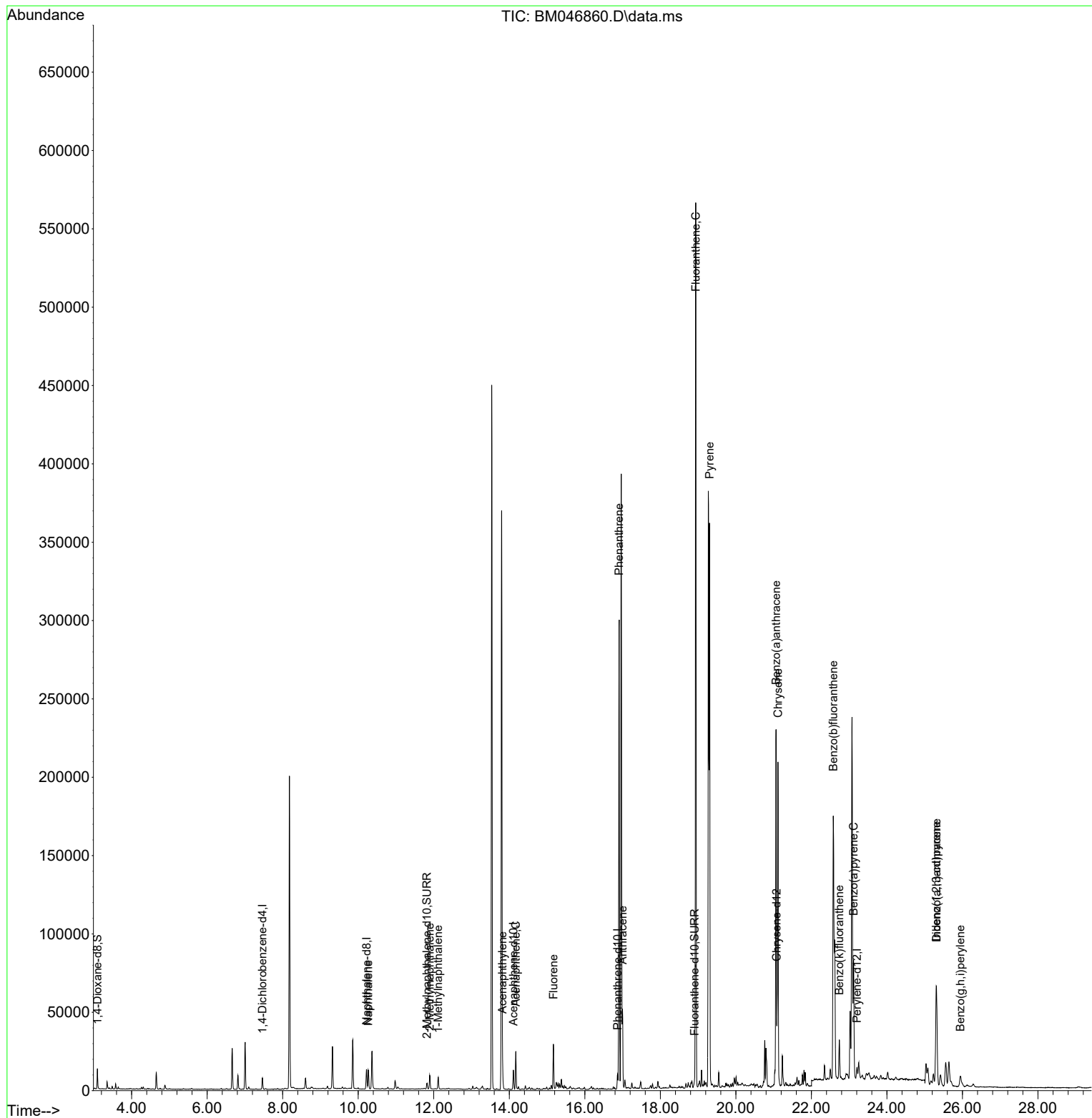
| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| -----                       |        |      |          |        |        |          |
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.463  | 152  | 3623     | 0.400  | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.222 | 136  | 16750    | 0.400  | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.109 | 164  | 6287     | 0.400  | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.867 | 188  | 11592    | 0.400  | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.078 | 240  | 6691     | 0.400  | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.206 | 264  | 7984     | 0.400  | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.092  | 96   | 7109     | 2.802  | ng/ul  | -0.01    |
| 6) 2-Methylnaphthalene-d10  | 11.822 | 152  | 4855     | 0.182  | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.904 | 212  | 5140     | 0.236  | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        |        | Qvalue   |
| 5) Naphthalene              | 10.265 | 128  | 15697    | 0.371  | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 11.893 | 142  | 5999     | 0.206  | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.119 | 142  | 5090     | 0.169  | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.822 | 152  | 10719    | 0.372  | ng/ul  | 99       |
| 11) Acenaphthene            | 14.173 | 153  | 13753    | 0.704  | ng/ul  | 100      |
| 12) Fluorene                | 15.168 | 166  | 17116    | 0.701  | ng/ul  | 98       |
| 15) Phenanthrene            | 16.909 | 178  | 306105   | 9.187  | ng/ul  | 97       |
| 16) Anthracene              | 16.998 | 178  | 51370    | 1.656  | ng/ul  | 100      |
| 19) Fluoranthene            | 18.937 | 202  | 485251   | 16.513 | ng/ul  | 99       |
| 20) Pyrene                  | 19.304 | 202  | 328476   | 10.806 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.064 | 228  | 188299   | 6.753  | ng/ul  | 98       |
| 22) Chrysene                | 21.113 | 228  | 194911   | 6.882  | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 22.580 | 252  | 362729   | 10.348 | ng/ul  | 91       |
| 25) Benzo(k)fluoranthene    | 22.738 | 252  | 28916    | 0.819  | ng/ul  | 98       |
| 26) Benzo(a)pyrene          | 23.115 | 252  | 100703   | 4.002  | ng/ul# | 87       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.306 | 276  | 99198    | 2.561  | ng/ul# | 98       |
| 28) Dibenzo(a,h)anthracene  | 25.313 | 278  | 31124    | 1.098  | ng/ul  | 99       |
| 29) Benzo(g,h,i)perylene    | 25.946 | 276  | 15576    | 0.457  | ng/ul# | 93       |
| -----                       |        |      |          |        |        |          |

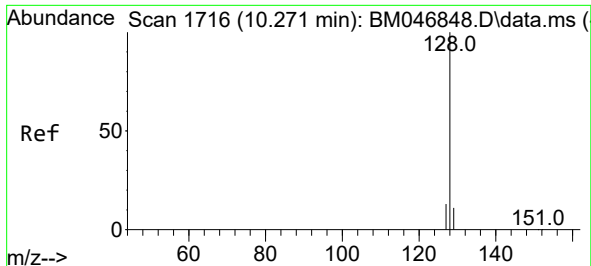
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072624\  
Data File : BM046860.D  
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Sample : P3264-16  
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ALS Vial : 41 Sample Multiplier: 1

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A4CM3

Quant Time: Jul 28 23:29:25 2024  
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QLast Update : Wed Jul 24 15:10:37 2024  
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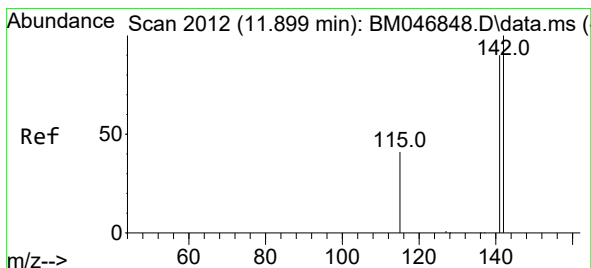
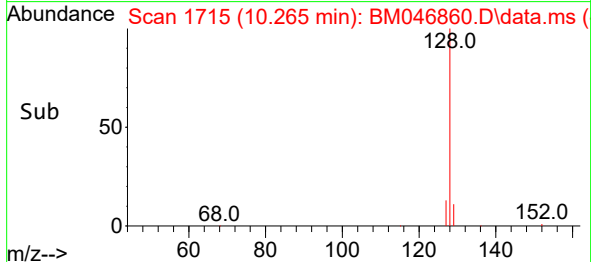
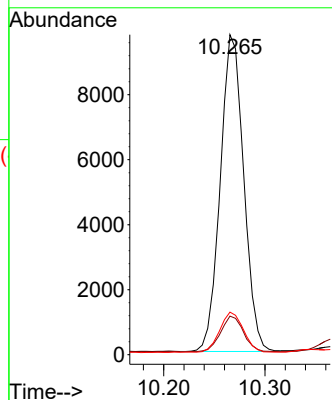
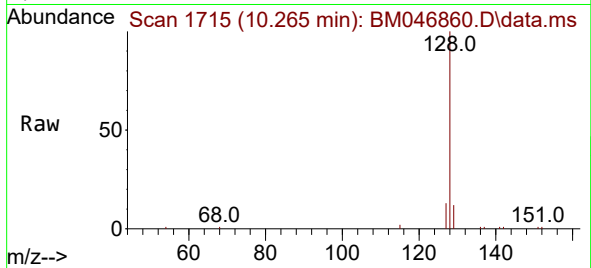




#5  
Naphthalene  
Concen: 0.371 ng/ul  
RT: 10.265 min Scan# 11  
Delta R.T. -0.011 min  
Lab File: BM046860.D  
Acq: 27 Jul 2024 09:48

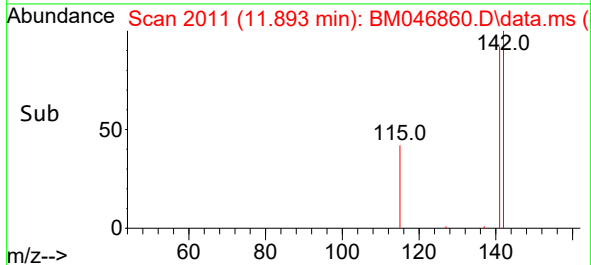
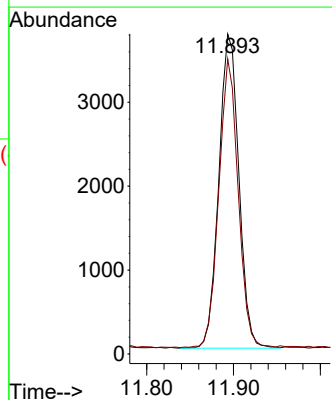
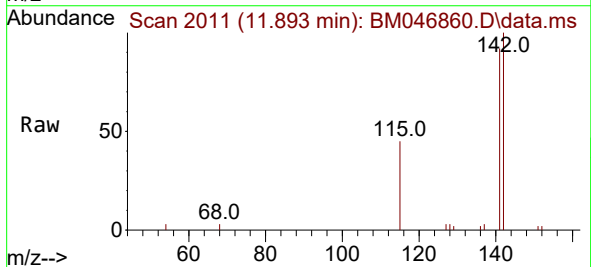
Instrument :  
BNA\_M  
ClientSampleId :  
A4CM3

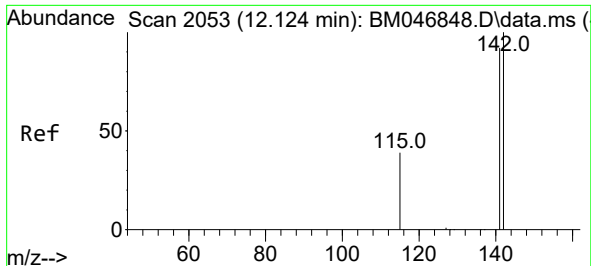
Tgt Ion:128 Resp: 15697  
Ion Ratio Lower Upper  
128 100  
129 12.1 10.1 15.1  
127 13.3 11.5 17.3



#7  
2-Methylnaphthalene  
Concen: 0.206 ng/ul  
RT: 11.893 min Scan# 2011  
Delta R.T. -0.011 min  
Lab File: BM046860.D  
Acq: 27 Jul 2024 09:48

Tgt Ion:142 Resp: 5999  
Ion Ratio Lower Upper  
142 100  
141 88.8 70.5 105.7

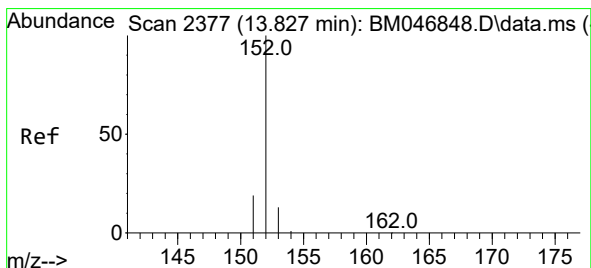
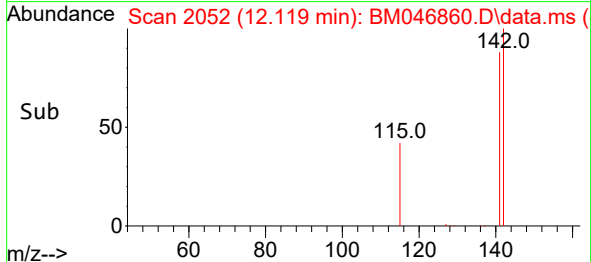
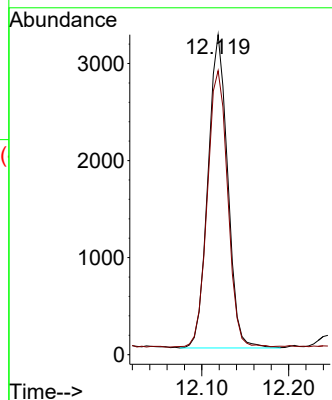
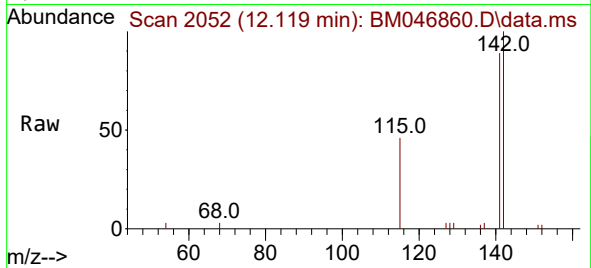




#8  
1-Methylnaphthalene  
Concen: 0.169 ng/ul  
RT: 12.119 min Scan# 2052  
Delta R.T. -0.011 min  
Lab File: BM046860.D  
Acq: 27 Jul 2024 09:48

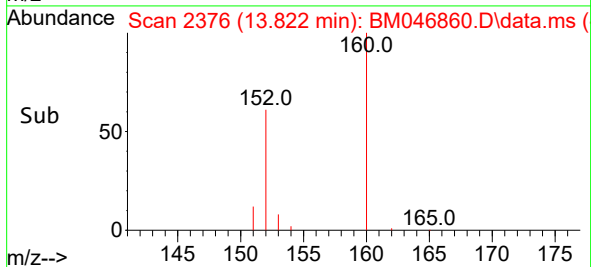
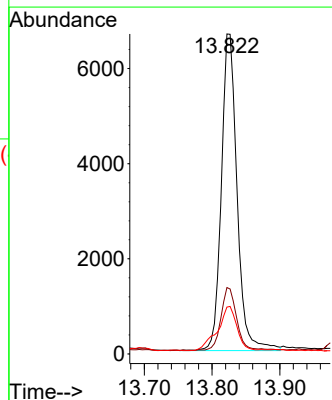
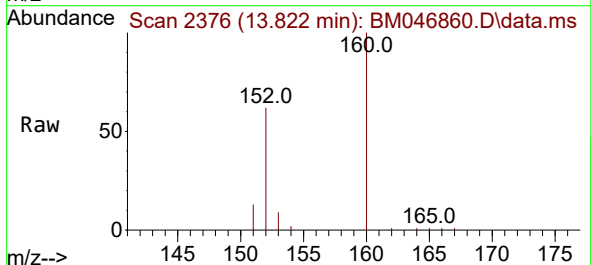
Instrument :  
BNA\_M  
ClientSampleId :  
A4CM3

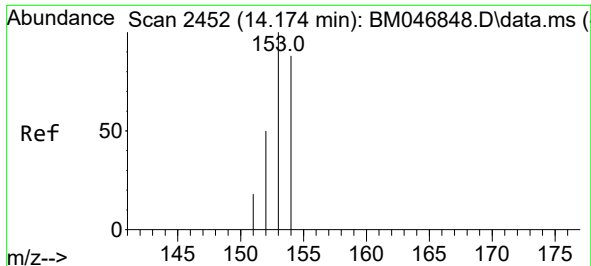
Tgt Ion:142 Resp: 5090  
Ion Ratio Lower Upper  
142 100  
141 90.9 73.1 109.7



#10  
Acenaphthylene  
Concen: 0.372 ng/ul  
RT: 13.822 min Scan# 2376  
Delta R.T. -0.009 min  
Lab File: BM046860.D  
Acq: 27 Jul 2024 09:48

Tgt Ion:152 Resp: 10719  
Ion Ratio Lower Upper  
152 100  
151 20.7 16.8 25.2  
153 14.6 11.0 16.6

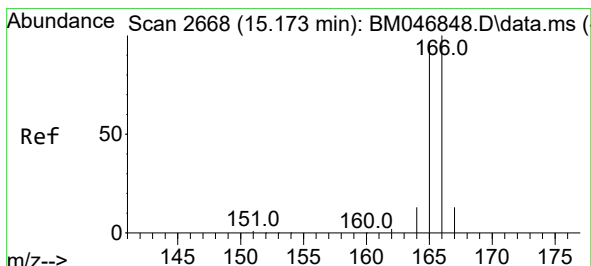
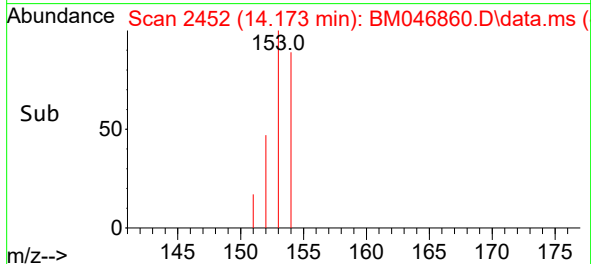
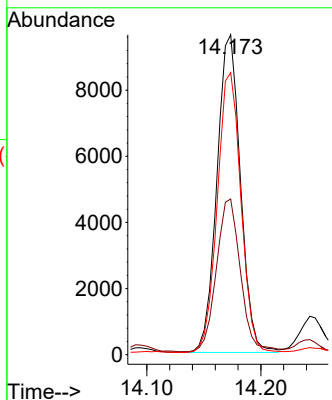
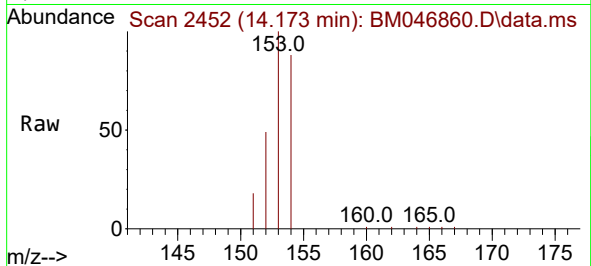




#11  
Acenaphthene  
Concen: 0.704 ng/ul  
RT: 14.173 min Scan# 2452  
Delta R.T. -0.009 min  
Lab File: BM046860.D  
Acq: 27 Jul 2024 09:48

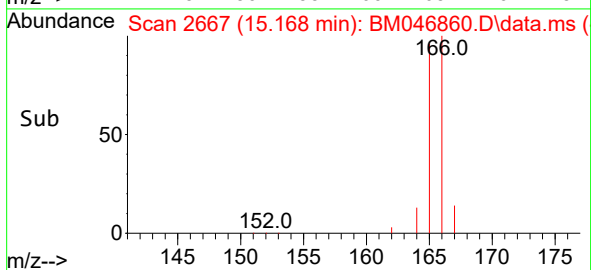
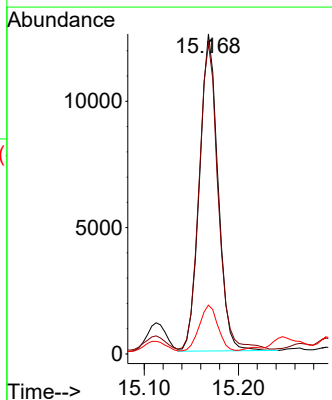
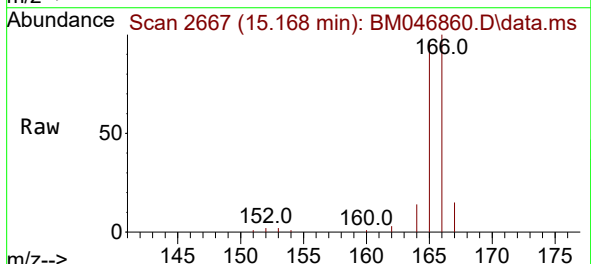
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BNA\_M  
ClientSampleId :  
A4CM3

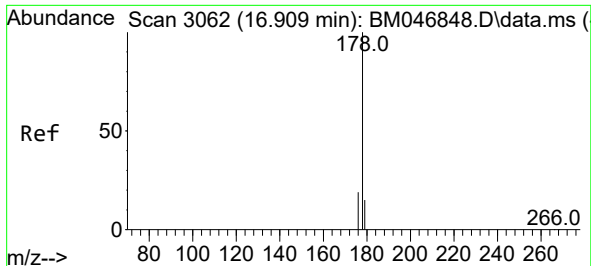
Tgt Ion:153 Resp: 13753  
Ion Ratio Lower Upper  
153 100  
152 48.6 38.6 57.8  
154 88.2 70.8 106.2



#12  
Fluorene  
Concen: 0.701 ng/ul  
RT: 15.168 min Scan# 2667  
Delta R.T. -0.009 min  
Lab File: BM046860.D  
Acq: 27 Jul 2024 09:48

Tgt Ion:166 Resp: 17116  
Ion Ratio Lower Upper  
166 100  
165 97.0 79.8 119.6  
167 15.3 12.3 18.5

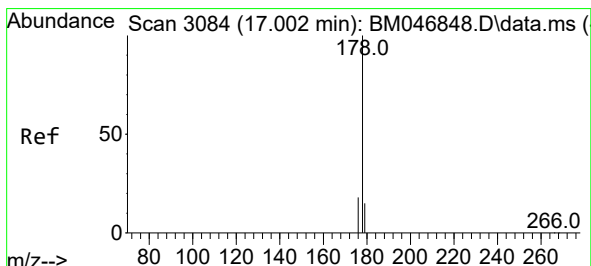
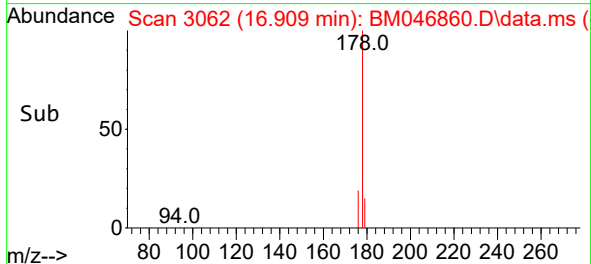
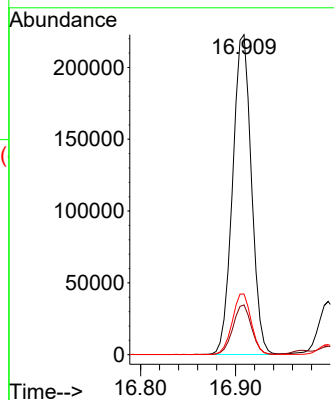
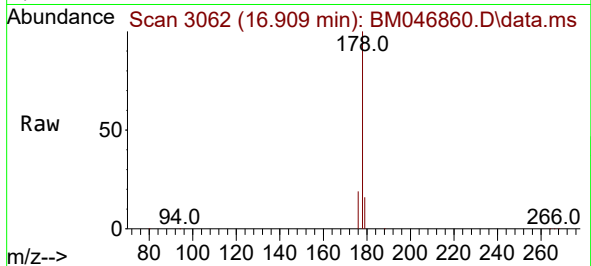




#15  
Phenanthrene  
Concen: 9.187 ng/ul  
RT: 16.909 min Scan# 3062  
Delta R.T. -0.004 min  
Lab File: BM046860.D  
Acq: 27 Jul 2024 09:48

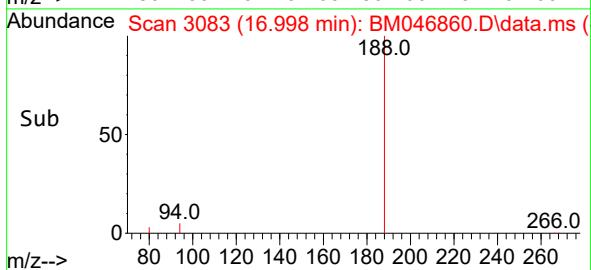
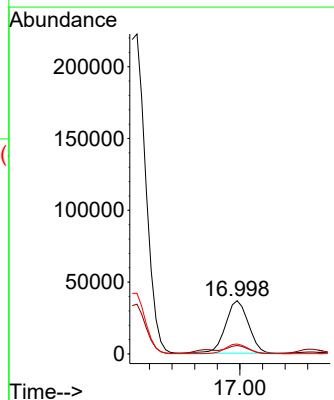
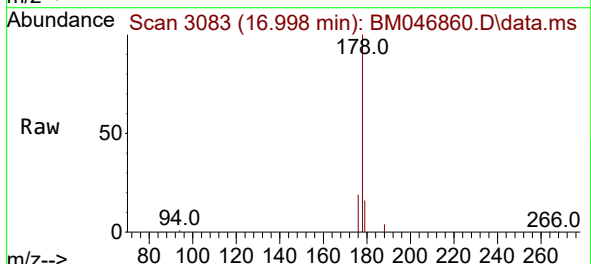
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BNA\_M  
ClientSampleId :  
A4CM3

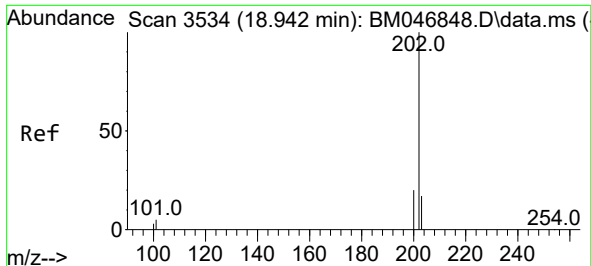
Tgt Ion:178 Resp: 306105  
Ion Ratio Lower Upper  
178 100  
179 15.5 13.4 20.2  
176 18.9 16.1 24.1



#16  
Anthracene  
Concen: 1.656 ng/ul  
RT: 16.998 min Scan# 3083  
Delta R.T. -0.009 min  
Lab File: BM046860.D  
Acq: 27 Jul 2024 09:48

Tgt Ion:178 Resp: 51370  
Ion Ratio Lower Upper  
178 100  
179 16.0 13.1 19.7  
176 18.8 15.0 22.6

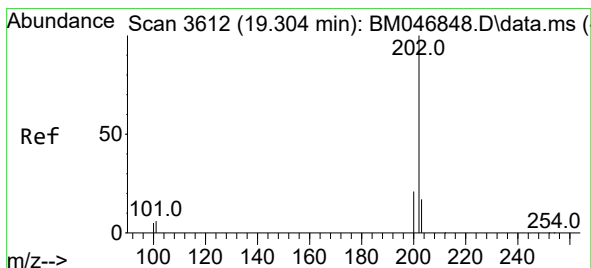
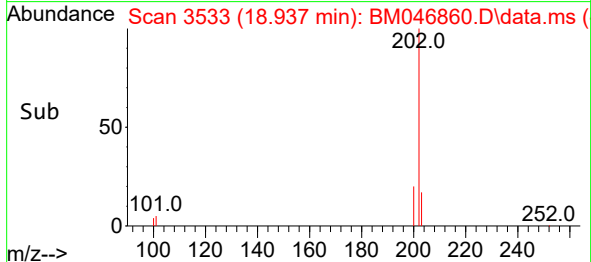
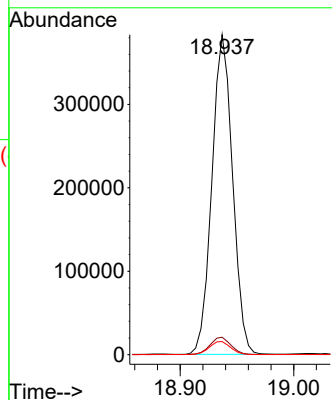
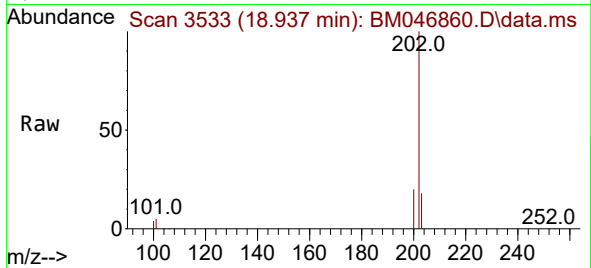




#19  
Fluoranthene  
Concen: 16.513 ng/ul  
RT: 18.937 min Scan# 3533  
Delta R.T. -0.005 min  
Lab File: BM046860.D  
Acq: 27 Jul 2024 09:48

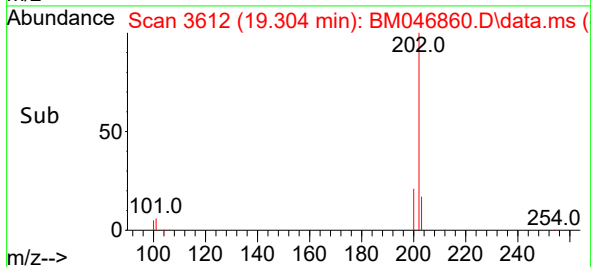
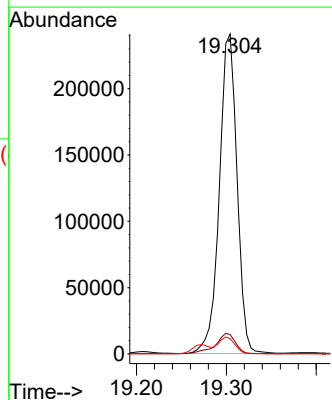
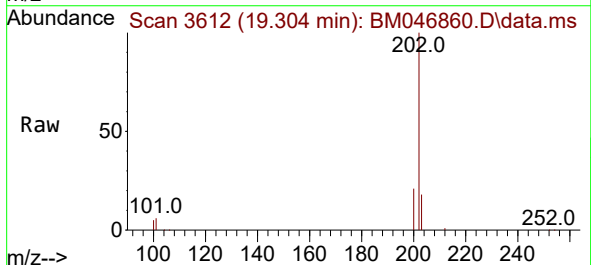
Instrument :  
BNA\_M  
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A4CM3

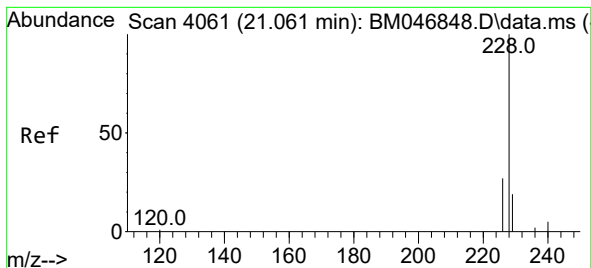
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Ion Ratio Lower Upper  
202 100  
101 5.5 4.7 7.1  
100 4.1 3.4 5.2



#20  
Pyrene  
Concen: 10.806 ng/ul  
RT: 19.304 min Scan# 3612  
Delta R.T. -0.000 min  
Lab File: BM046860.D  
Acq: 27 Jul 2024 09:48

Tgt Ion:202 Resp: 328476  
Ion Ratio Lower Upper  
202 100  
101 6.0 5.2 7.8  
100 4.8 4.3 6.5





#21

Benzo(a)anthracene

Concen: 6.753 ng/ul

RT: 21.064 min Scan# 4061

Delta R.T. -0.000 min

Lab File: BM046860.D

Acq: 27 Jul 2024 09:48

Instrument :

BNA\_M

ClientSampleId :

A4CM3

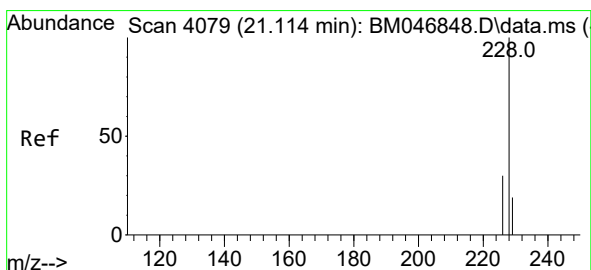
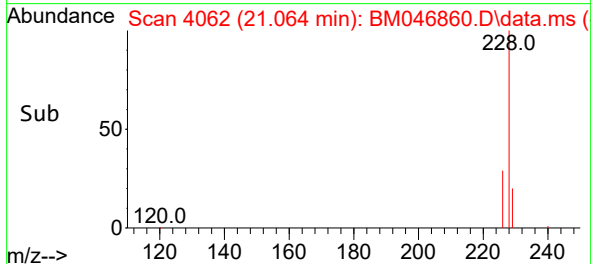
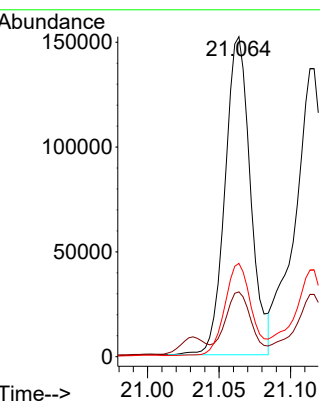
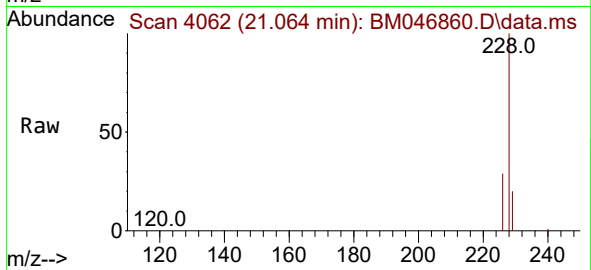
Tgt Ion:228 Resp: 188299

Ion Ratio Lower Upper

228 100

229 20.3 16.3 24.5

226 29.2 22.3 33.5



#22

Chrysene

Concen: 6.882 ng/ul

RT: 21.113 min Scan# 4079

Delta R.T. -0.003 min

Lab File: BM046860.D

Acq: 27 Jul 2024 09:48

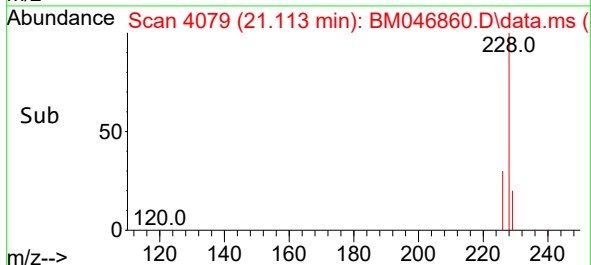
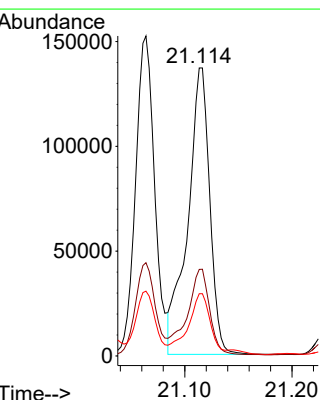
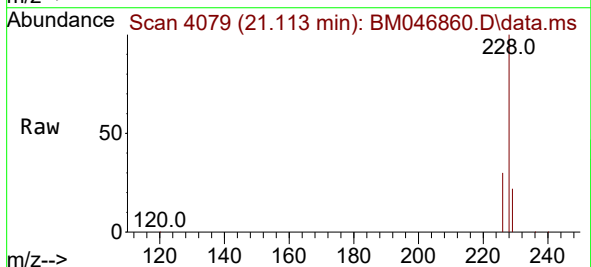
Tgt Ion:228 Resp: 194911

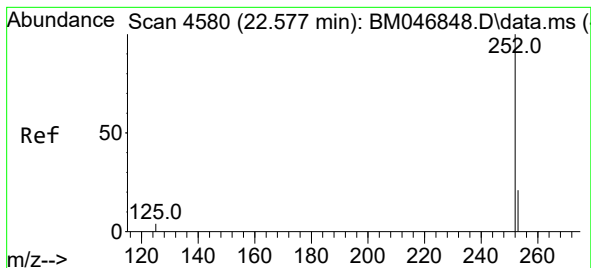
Ion Ratio Lower Upper

228 100

226 30.1 24.5 36.7

229 21.6 16.2 24.2





#24

Benzo(b)fluoranthene

Concen: 10.348 ng/ul

RT: 22.580 min Scan# 4

Delta R.T. -0.000 min

Lab File: BM046860.D

Acq: 27 Jul 2024 09:48

Instrument :

BNA\_M

ClientSampleId :

A4CM3

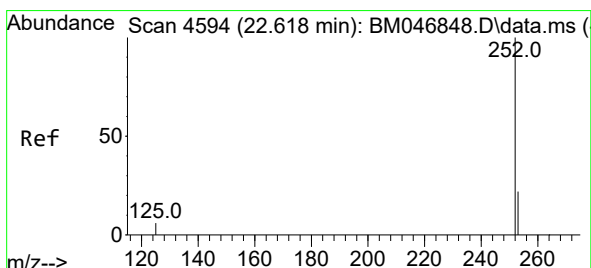
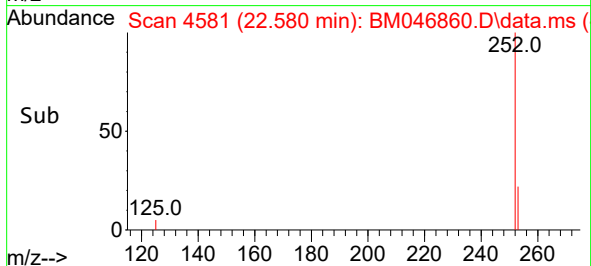
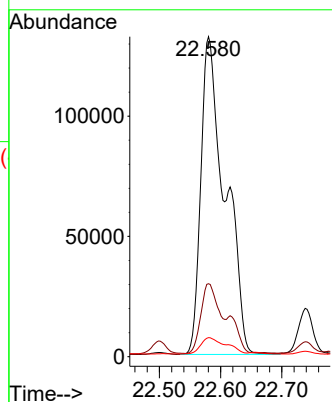
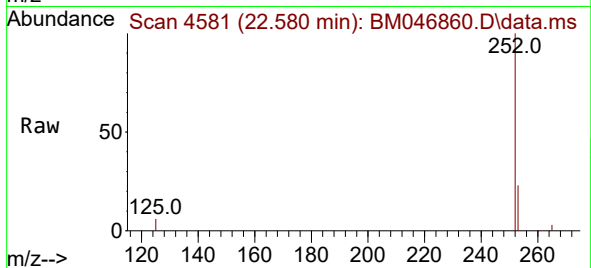
Tgt Ion:252 Resp: 362729

Ion Ratio Lower Upper

252 100

253 22.8 0.0 56.4

125 5.9 0.0 15.8



#25

Benzo(k)fluoranthene

Concen: 0.819 ng/ul

RT: 22.738 min Scan# 4635

Delta R.T. 0.117 min

Lab File: BM046860.D

Acq: 27 Jul 2024 09:48

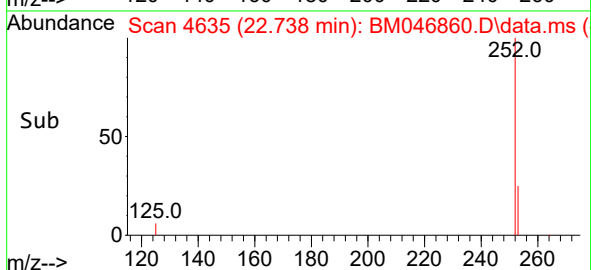
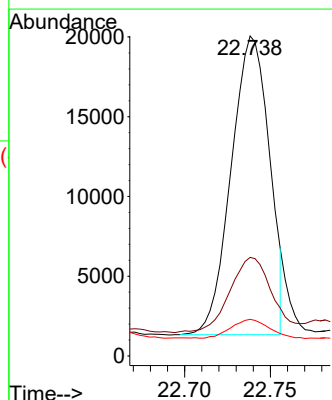
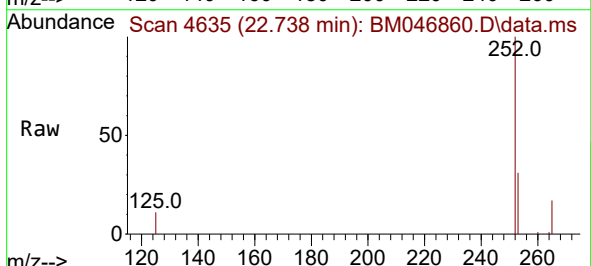
Tgt Ion:252 Resp: 28916

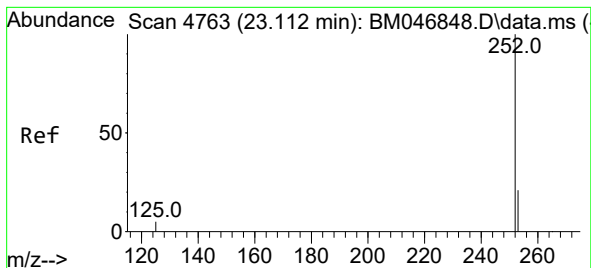
Ion Ratio Lower Upper

252 100

253 30.8 23.5 35.3

125 11.4 8.6 13.0

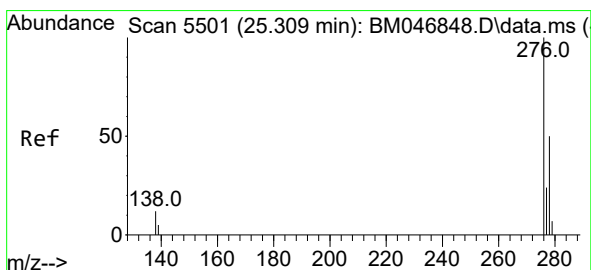
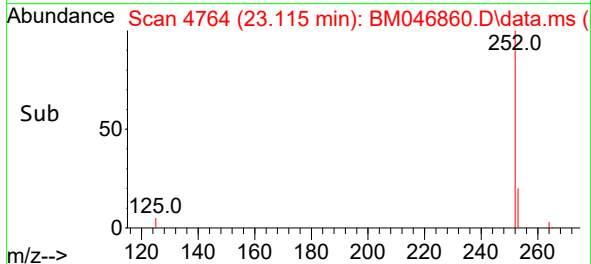
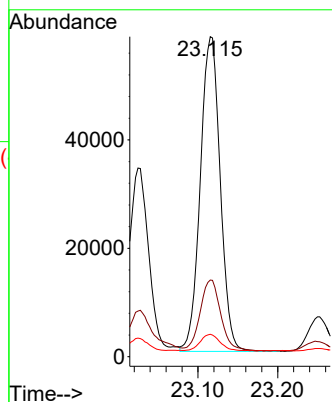
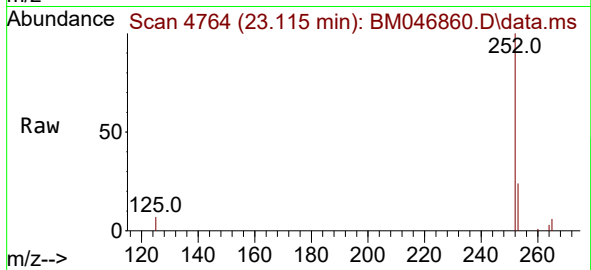




#26  
Benzo(a)pyrene  
Concen: 4.002 ng/ul  
RT: 23.115 min Scan# 4763  
Delta R.T. -0.003 min  
Lab File: BM046860.D  
Acq: 27 Jul 2024 09:48

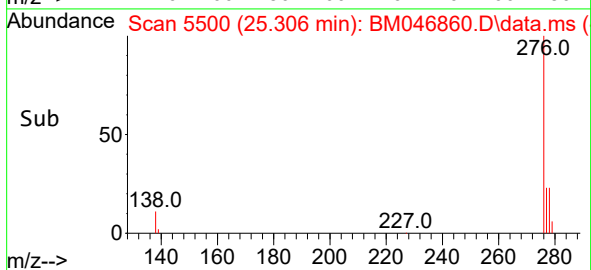
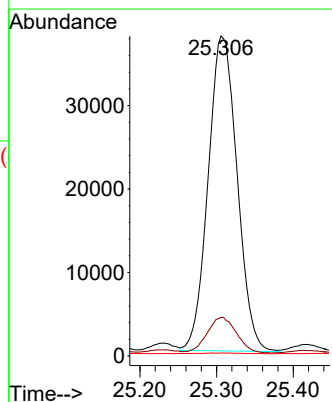
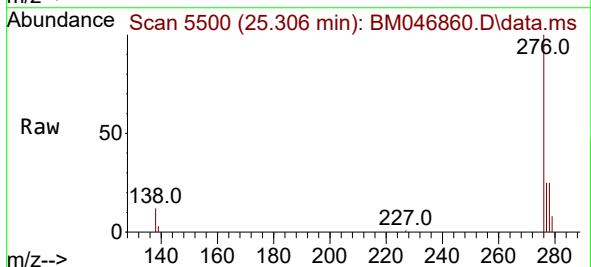
Instrument :  
BNA\_M  
ClientSampleId :  
A4CM3

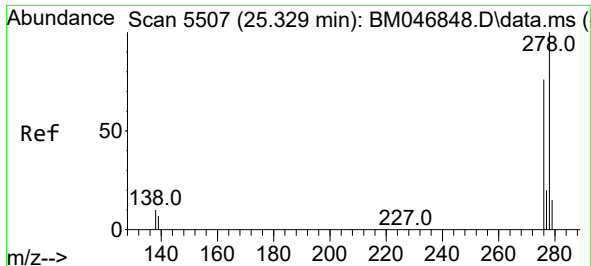
Tgt Ion:252 Resp: 100703  
Ion Ratio Lower Upper  
252 100  
253 23.9 26.0 39.0#  
125 7.0 7.8 11.8#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 2.561 ng/ul  
RT: 25.306 min Scan# 5500  
Delta R.T. -0.010 min  
Lab File: BM046860.D  
Acq: 27 Jul 2024 09:48

Tgt Ion:276 Resp: 99198  
Ion Ratio Lower Upper  
276 100  
138 11.4 9.7 14.5  
227 0.3 0.2 0.2#

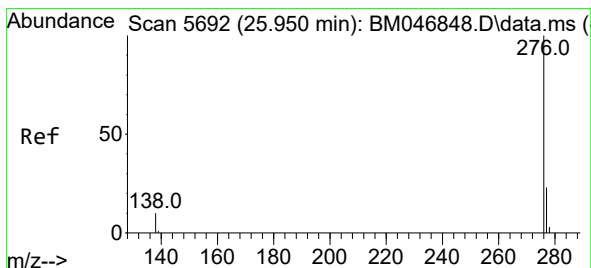
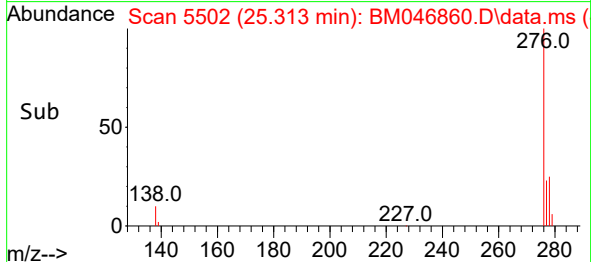
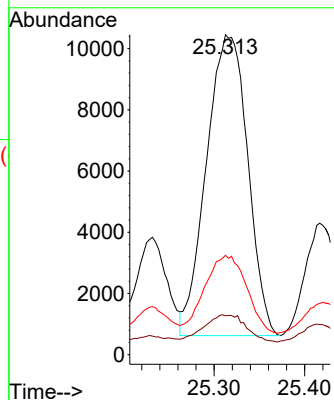
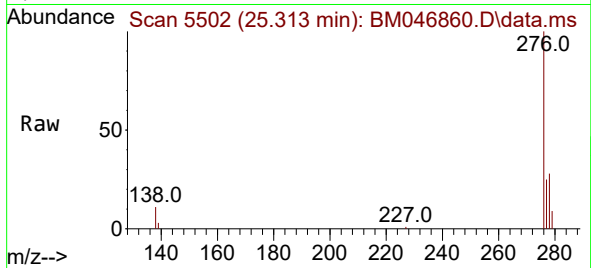




#28  
 Dibenzo(a,h)anthracene  
 Concen: 1.098 ng/ul  
 RT: 25.313 min Scan# 51  
 Delta R.T. -0.020 min  
 Lab File: BM046860.D  
 Acq: 27 Jul 2024 09:48

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4CM3

Tgt Ion:278 Resp: 31124  
 Ion Ratio Lower Upper  
 278 100  
 139 12.2 9.8 14.8  
 279 31.0 25.2 37.8



#29  
 Benzo(g,h,i)perylene  
 Concen: 0.457 ng/ul  
 RT: 25.946 min Scan# 5691  
 Delta R.T. -0.007 min  
 Lab File: BM046860.D  
 Acq: 27 Jul 2024 09:48

Tgt Ion:276 Resp: 15576  
 Ion Ratio Lower Upper  
 276 100  
 138 15.9 9.5 14.3#  
 277 28.8 20.9 31.3

