

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM021524\  
 Data File : BM044146.D  
 Acq On : 16 Feb 2024 20:00  
 Operator : MA/JU  
 Sample : P1352-02  
 Misc :  
 ALS Vial : 57 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0FN3

Quant Time: Feb 16 22:40:28 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM021524.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 15 13:40:24 2024  
 Response via : Initial Calibration

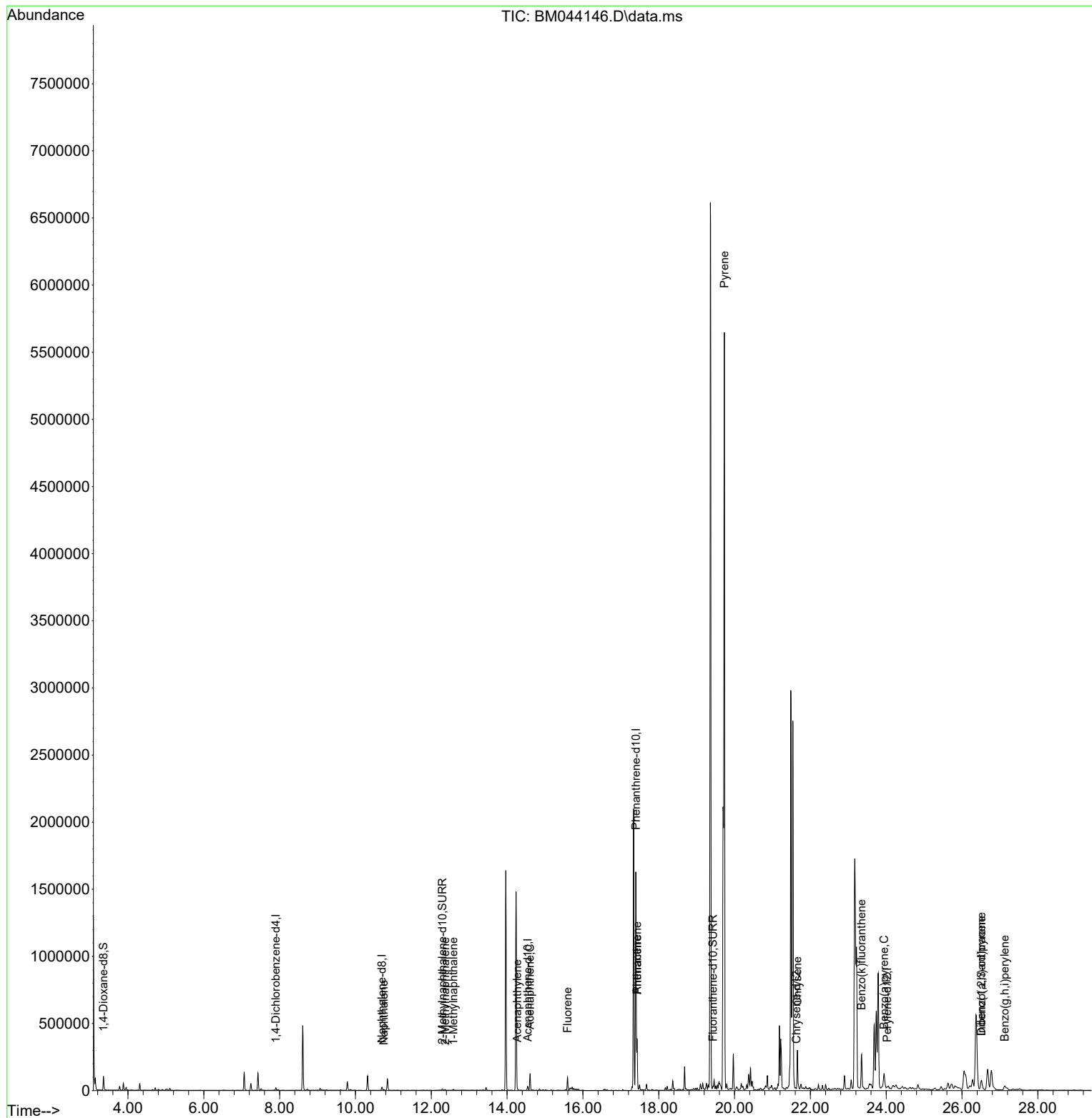
| Compound                    | R.T.   | QIon | Response | Conc     | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|----------|---------|----------|
| -----                       |        |      |          |          |         |          |
| Internal Standards          |        |      |          |          |         |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.901  | 152  | 9230     | 0.400    | ng/ul   | 0.00     |
| 4) Naphthalene-d8           | 10.699 | 136  | 31248    | 0.400    | ng/ul # | 0.00     |
| 9) Acenaphthene-d10         | 14.543 | 164  | 16399    | 0.400    | ng/ul   | 0.00     |
| 13) Phenanthrene-d10        | 17.398 | 188  | 1810682  | 0.400    | ng/ul # | 0.10     |
| 17) Chrysene-d12            | 21.634 | 240  | 409      | 0.400    | ng/ul # | 0.13     |
| 23) Perylene-d12            | 24.022 | 264  | 8318     | 0.400    | ng/ul # | 0.13     |
| System Monitoring Compounds |        |      |          |          |         |          |
| 3) 1,4-Dioxane-d8           | 3.352  | 96   | 65308    | 4.996    | ng/ul   | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.294 | 152  | 14709    | 0.336    | ng/ul   | 0.00     |
| 18) Fluoranthene-d10        | 19.433 | 212  | 976      | 0.800    | ng/ul   | 0.10     |
| Target Compounds            |        |      |          |          |         |          |
|                             |        |      |          |          | Qvalue  |          |
| 5) Naphthalene              | 10.749 | 128  | 7728     | 0.083    | ng/ul#  | 90       |
| 7) 2-Methylnaphthalene      | 12.365 | 142  | 4386     | 0.077    | ng/ul   | 94       |
| 8) 1-Methylnaphthalene      | 12.585 | 142  | 4932     | 0.085    | ng/ul   | 93       |
| 10) Acenaphthylene          | 14.265 | 152  | 10461    | 0.116    | ng/ul#  | 89       |
| 11) Acenaphthene            | 14.603 | 153  | 71800    | 1.099    | ng/ul   | 99       |
| 12) Fluorene                | 15.593 | 166  | 59734    | 0.811    | ng/ul   | 97       |
| 15) Phenanthrene            | 17.427 | 178  | 387162   | 0.067    | ng/ul   | 99       |
| 16) Anthracene              | 17.427 | 178  | 382458   | 0.067    | ng/ul   | 99       |
| 20) Pyrene                  | 19.730 | 202  | 4970118  | 2534.550 | ng/ul   | 94       |
| 22) Chrysene                | 21.657 | 228  | 219983   | 108.931  | ng/ul#  | 61       |
| 25) Benzo(k)fluoranthene    | 23.350 | 252  | 341267   | 9.158    | ng/ul   | 94       |
| 26) Benzo(a)pyrene          | 23.943 | 252  | 137813   | 4.319    | ng/ul#  | 92       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.510 | 276  | 27086    | 0.667    | ng/ul#  | 39       |
| 28) Dibenzo(a,h)anthracene  | 26.510 | 278  | 104305   | 3.261    | ng/ul   | 94       |
| 29) Benzo(g,h,i)perylene    | 27.127 | 276  | 70878    | 1.973    | ng/ul   | 92       |
| -----                       |        |      |          |          |         |          |

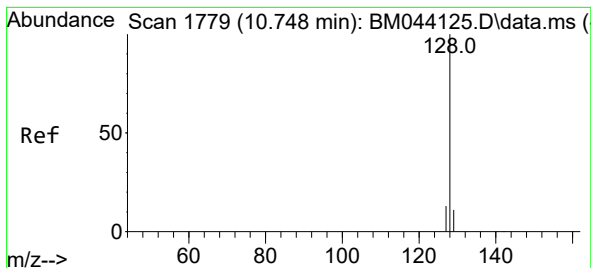
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM021524\  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Feb 15 13:40:24 2024  
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.083 ng/ul

RT: 10.749 min Scan# 1

Delta R.T. -0.005 min

Lab File: BM044146.D

Acq: 16 Feb 2024 20:00

Instrument :

BNA\_M

ClientSampleId :

C0FN3

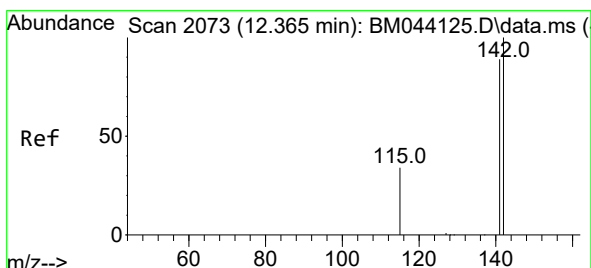
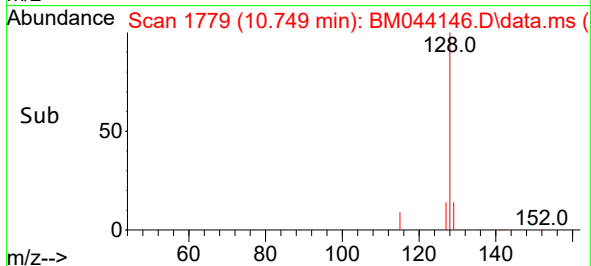
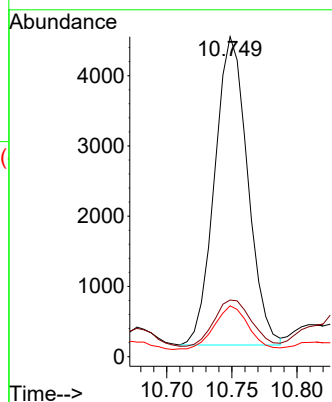
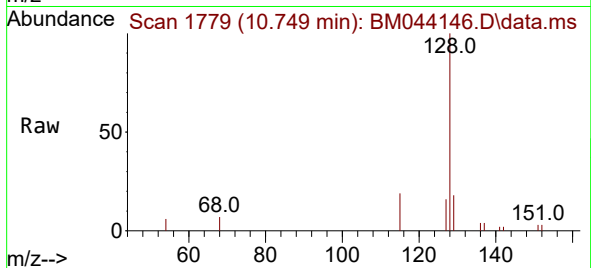
Tgt Ion:128 Resp: 7728

Ion Ratio Lower Upper

128 100

129 17.7 9.5 14.3#

127 15.9 10.7 16.1



#7

2-Methylnaphthalene

Concen: 0.077 ng/ul

RT: 12.365 min Scan# 2073

Delta R.T. -0.005 min

Lab File: BM044146.D

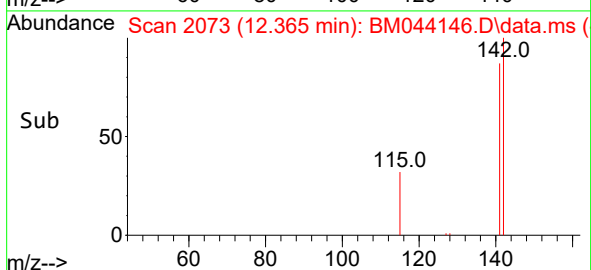
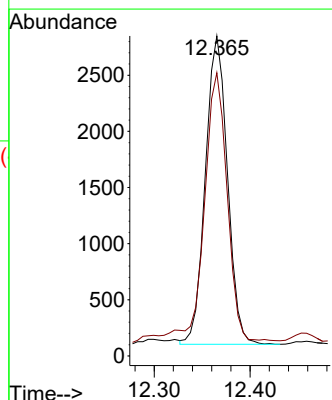
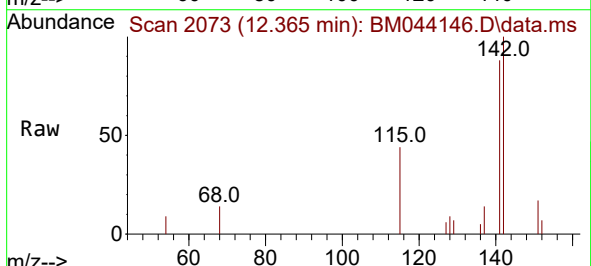
Acq: 16 Feb 2024 20:00

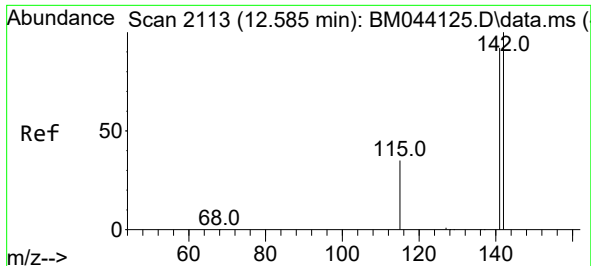
Tgt Ion:142 Resp: 4386

Ion Ratio Lower Upper

142 100

141 93.4 70.0 105.0

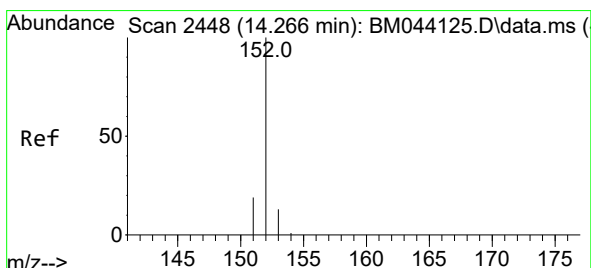
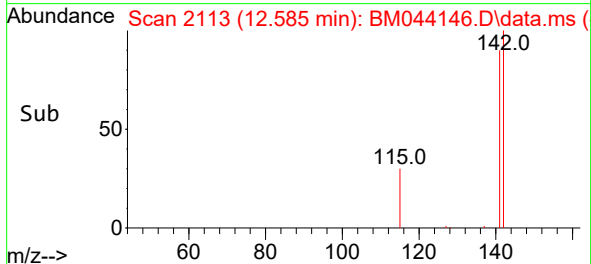
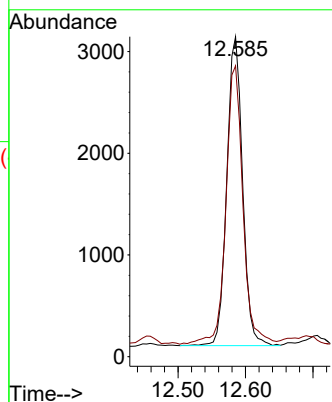
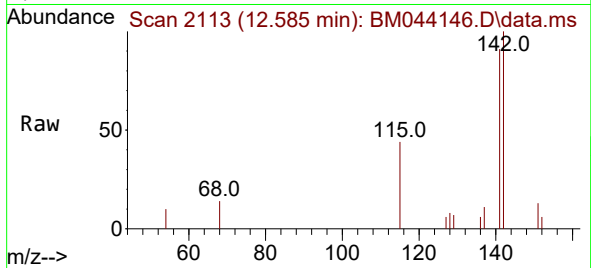




#8  
1-Methylnaphthalene  
Concen: 0.085 ng/ul  
RT: 12.585 min Scan# 2113  
Delta R.T. -0.005 min  
Lab File: BM044146.D  
Acq: 16 Feb 2024 20:00

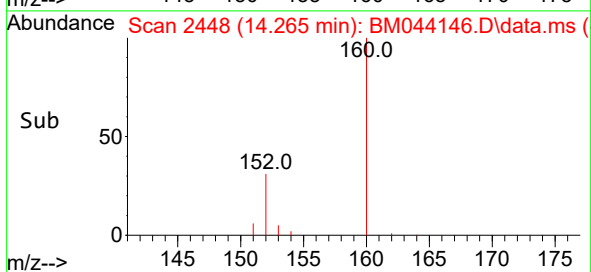
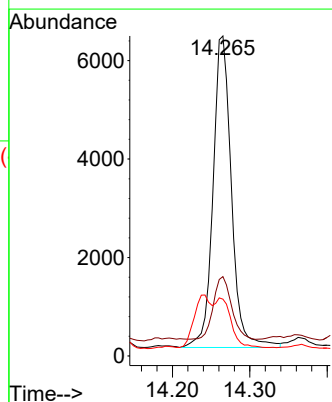
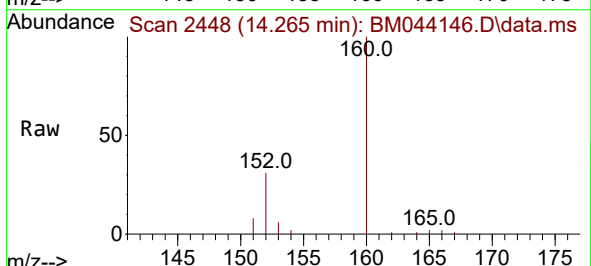
Instrument :  
BNA\_M  
ClientSampleId :  
C0FN3

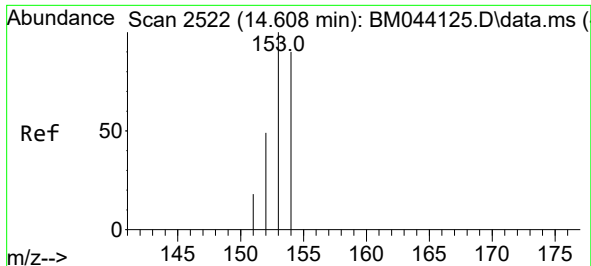
Tgt Ion:142 Resp: 4932  
Ion Ratio Lower Upper  
142 100  
141 96.9 72.5 108.7



#10  
Acenaphthylene  
Concen: 0.116 ng/ul  
RT: 14.265 min Scan# 2448  
Delta R.T. -0.004 min  
Lab File: BM044146.D  
Acq: 16 Feb 2024 20:00

Tgt Ion:152 Resp: 10461  
Ion Ratio Lower Upper  
152 100  
151 24.8 15.5 23.3#  
153 17.7 10.8 16.2#

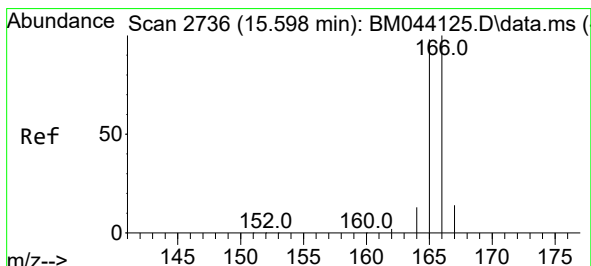
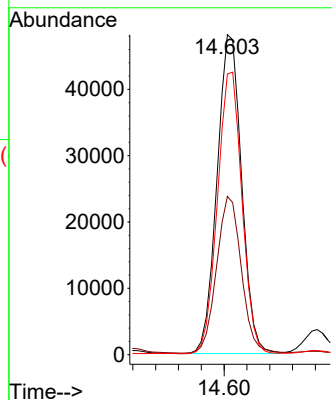
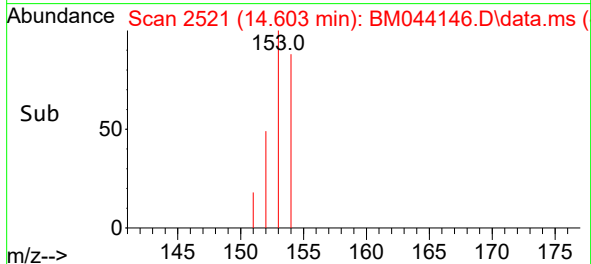
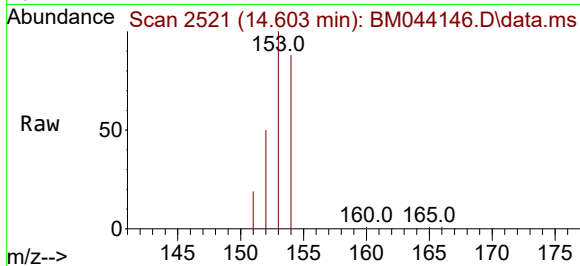




#11  
Acenaphthene  
Concen: 1.099 ng/ul  
RT: 14.603 min Scan# 21  
Delta R.T. -0.004 min  
Lab File: BM044146.D  
Acq: 16 Feb 2024 20:00

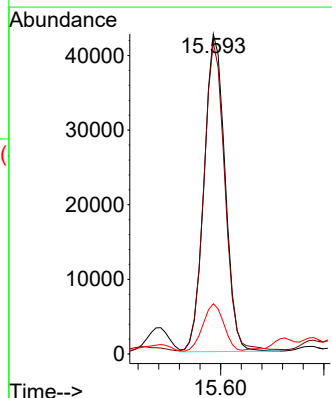
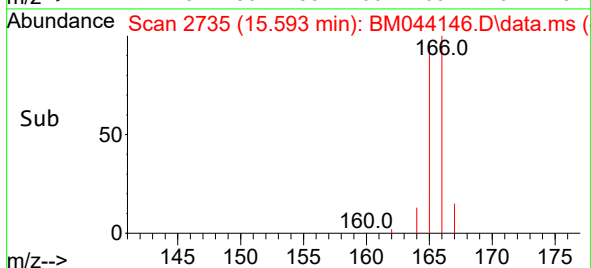
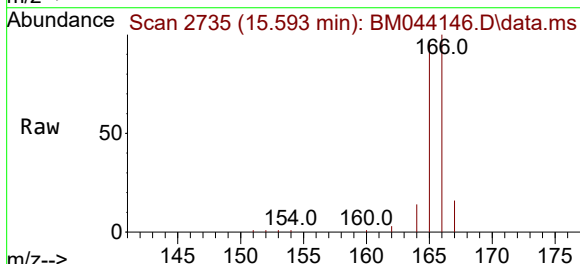
Instrument :  
BNA\_M  
ClientSampleId :  
C0FN3

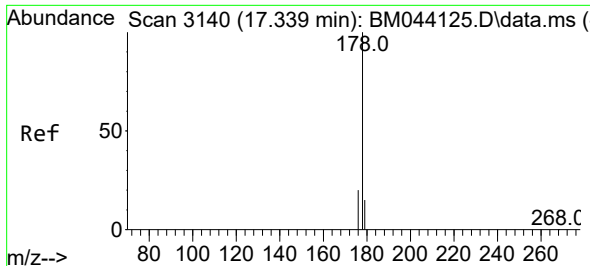
Tgt Ion:153 Resp: 71800  
Ion Ratio Lower Upper  
153 100  
152 49.5 40.6 61.0  
154 87.7 70.1 105.1



#12  
Fluorene  
Concen: 0.811 ng/ul  
RT: 15.593 min Scan# 2735  
Delta R.T. -0.004 min  
Lab File: BM044146.D  
Acq: 16 Feb 2024 20:00

Tgt Ion:166 Resp: 59734  
Ion Ratio Lower Upper  
166 100  
165 97.4 79.8 119.6  
167 15.7 11.1 16.7

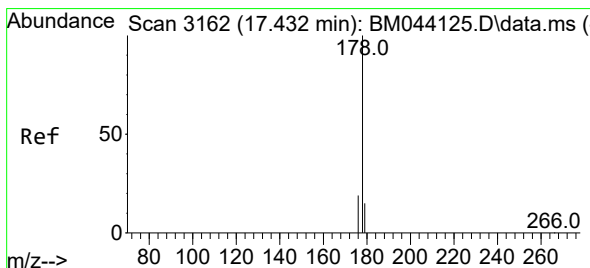
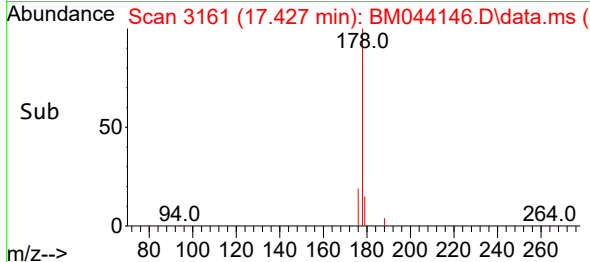
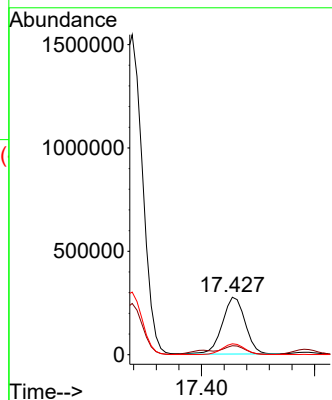
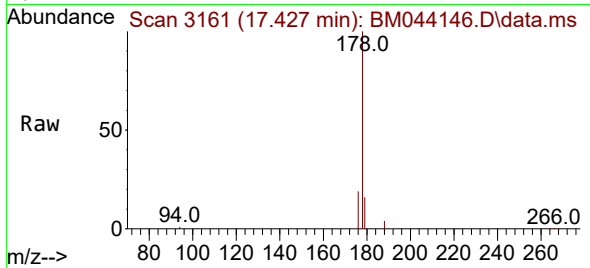




#15  
Phenanthrene  
Concen: 0.067 ng/ul  
RT: 17.427 min Scan# 3140  
Delta R.T. 0.089 min  
Lab File: BM044146.D  
Acq: 16 Feb 2024 20:00

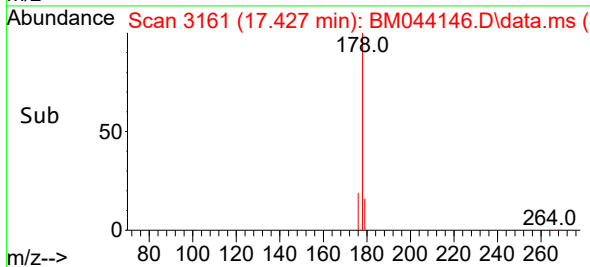
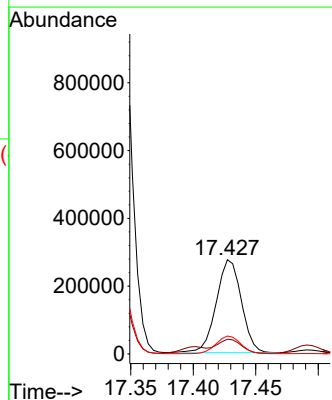
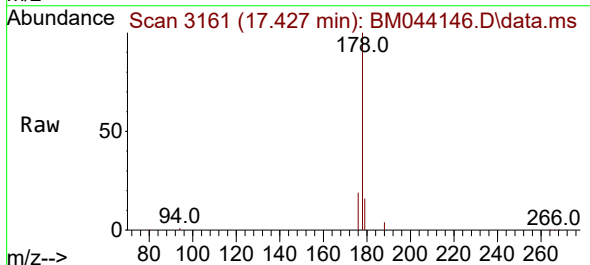
Instrument :  
BNA\_M  
ClientSampleId :  
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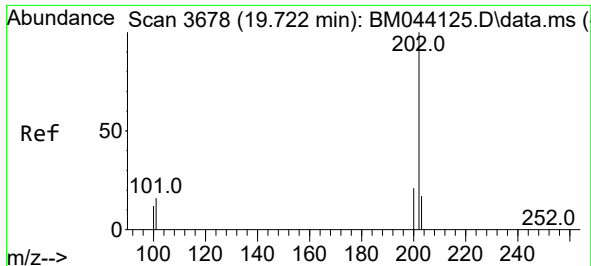
Tgt Ion:178 Resp: 387162  
Ion Ratio Lower Upper  
178 100  
179 15.6 12.6 19.0  
176 19.0 16.0 24.0



#16  
Anthracene  
Concen: 0.067 ng/ul  
RT: 17.427 min Scan# 3161  
Delta R.T. -0.008 min  
Lab File: BM044146.D  
Acq: 16 Feb 2024 20:00

Tgt Ion:178 Resp: 382458  
Ion Ratio Lower Upper  
178 100  
179 15.6 12.8 19.2  
176 19.0 15.3 22.9

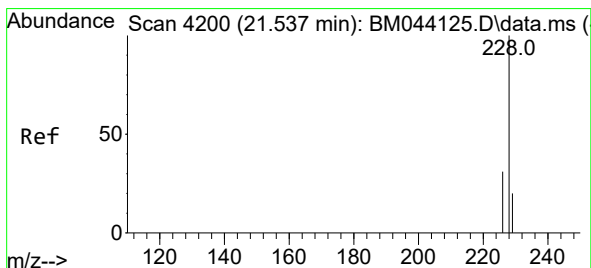
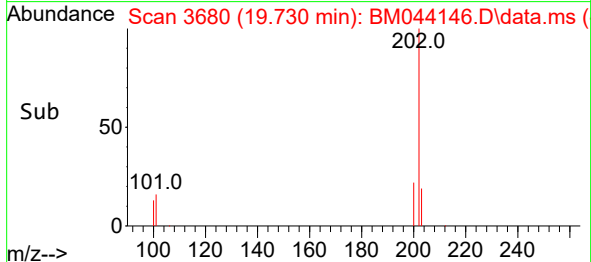
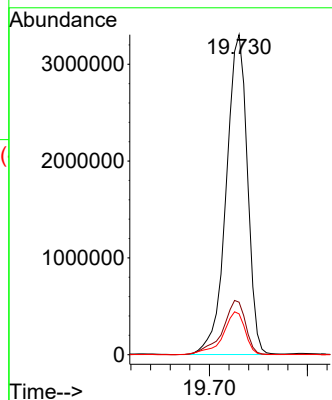
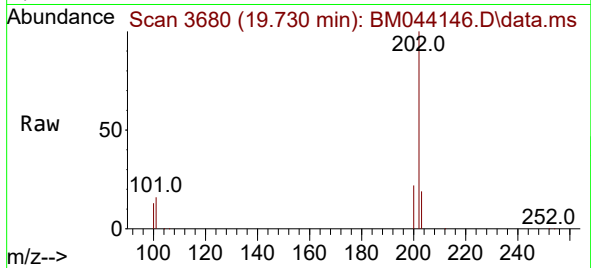




#20  
Pyrene  
Concen: 2534.550 ng/ul  
RT: 19.730 min Scan# 30  
Delta R.T. 0.004 min  
Lab File: BM044146.D  
Acq: 16 Feb 2024 20:00

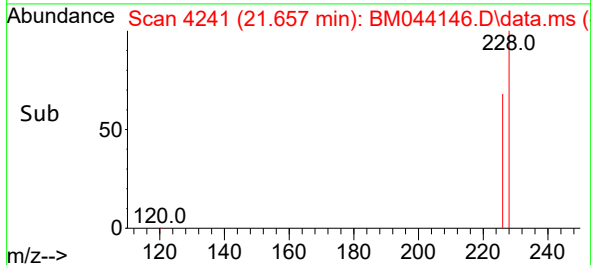
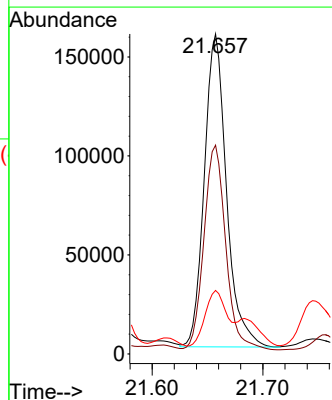
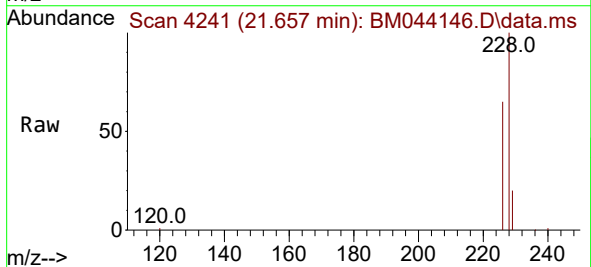
Instrument :  
BNA\_M  
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C0FN3

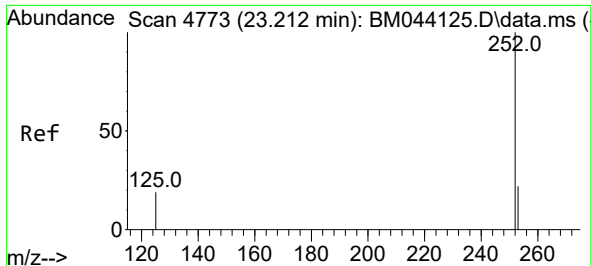
Tgt Ion:202 Resp: 4970118  
Ion Ratio Lower Upper  
202 100  
101 16.4 11.2 16.8  
100 12.7 8.6 13.0



#22  
Chrysene  
Concen: 108.931 ng/ul  
RT: 21.657 min Scan# 4241  
Delta R.T. 0.120 min  
Lab File: BM044146.D  
Acq: 16 Feb 2024 20:00

Tgt Ion:228 Resp: 219983  
Ion Ratio Lower Upper  
228 100  
226 65.3 24.2 36.2#  
229 19.8 15.8 23.6

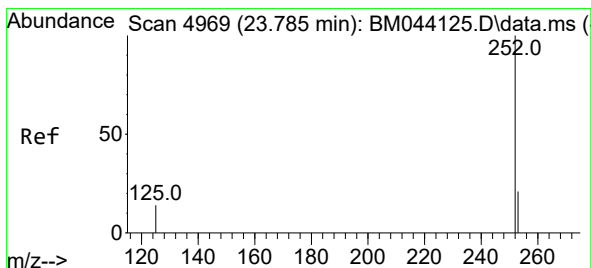
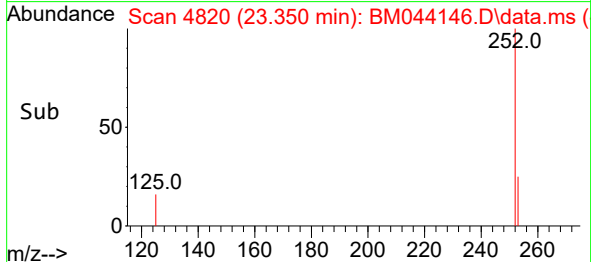
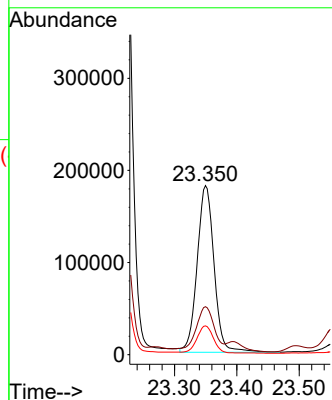
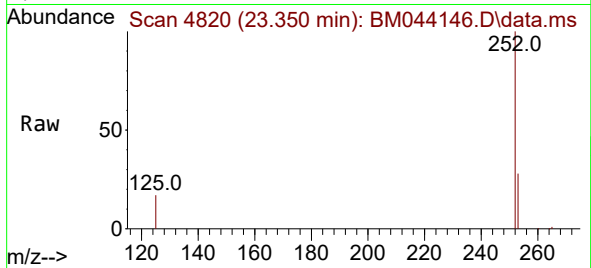




#25  
Benzo(k)fluoranthene  
Concen: 9.158 ng/ul  
RT: 23.350 min Scan# 41  
Delta R.T. 0.137 min  
Lab File: BM044146.D  
Acq: 16 Feb 2024 20:00

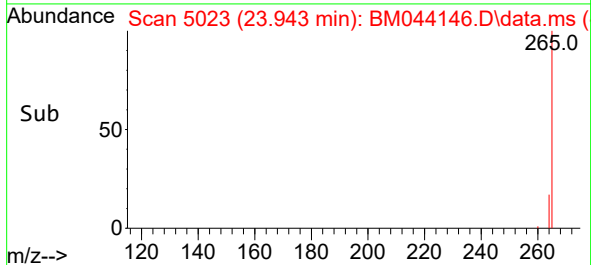
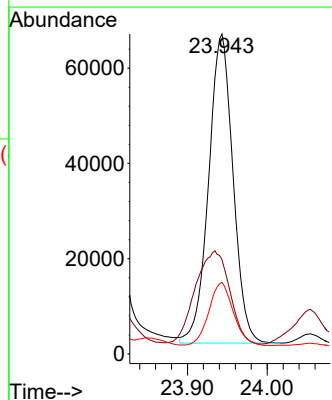
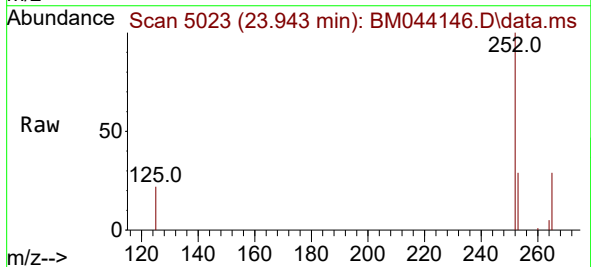
Instrument :  
BNA\_M  
ClientSampleId :  
COFN3

Tgt Ion:252 Resp: 341267  
Ion Ratio Lower Upper  
252 100  
253 28.4 20.1 30.1  
125 17.1 12.3 18.5

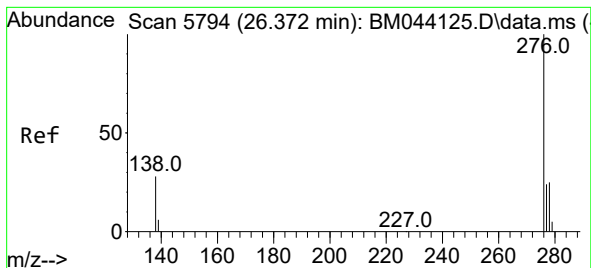


#26  
Benzo(a)pyrene  
Concen: 4.319 ng/ul  
RT: 23.943 min Scan# 5023  
Delta R.T. 0.158 min  
Lab File: BM044146.D  
Acq: 16 Feb 2024 20:00

Tgt Ion:252 Resp: 137813  
Ion Ratio Lower Upper  
252 100  
253 29.5 21.4 32.2  
125 22.3 13.3 19.9#







#27

Indeno(1,2,3-cd)pyrene

Concen: 0.667 ng/ul

RT: 26.510 min Scan# 5835

Delta R.T. 0.141 min

Lab File: BM044146.D

Acq: 16 Feb 2024 20:00

Instrument :

BNA\_M

ClientSampleId :

C0FN3

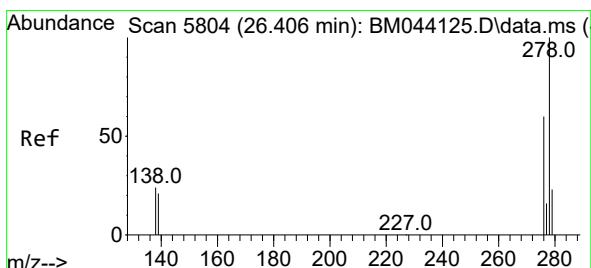
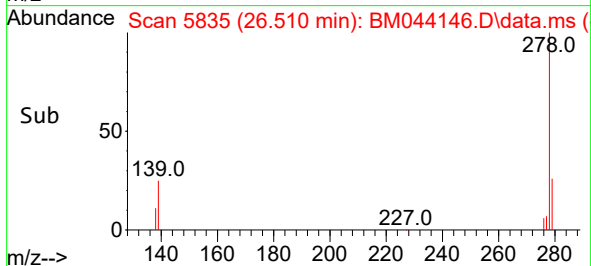
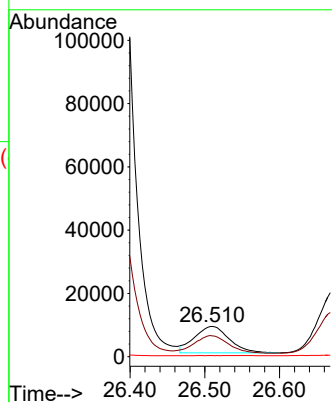
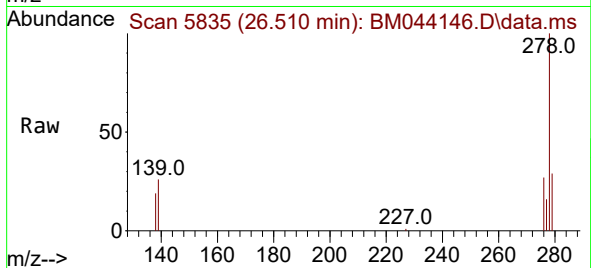
Tgt Ion:276 Resp: 27086

Ion Ratio Lower Upper

276 100

138 65.2 25.2 37.8#

227 0.0 0.1 0.1#



#28

Dibenzo(a,h)anthracene

Concen: 3.261 ng/ul

RT: 26.510 min Scan# 5835

Delta R.T. 0.100 min

Lab File: BM044146.D

Acq: 16 Feb 2024 20:00

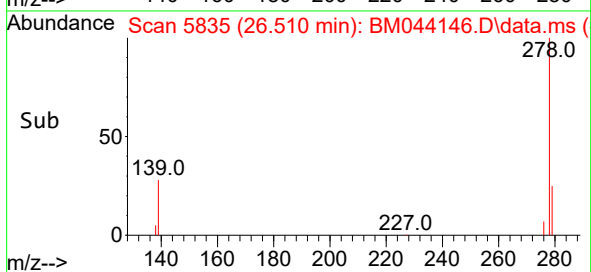
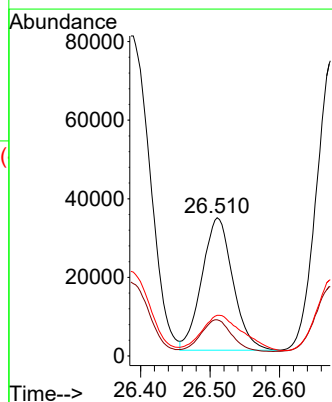
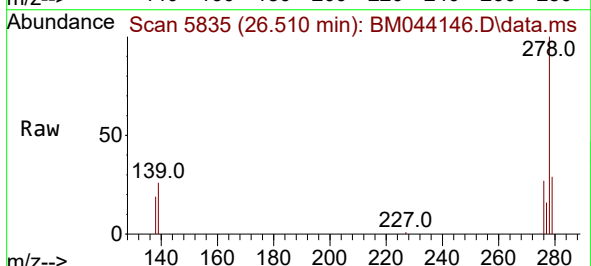
Tgt Ion:278 Resp: 104305

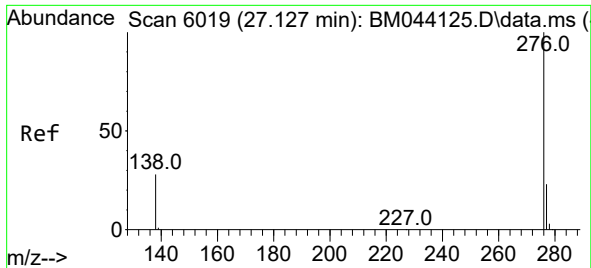
Ion Ratio Lower Upper

278 100

139 26.1 17.8 26.8

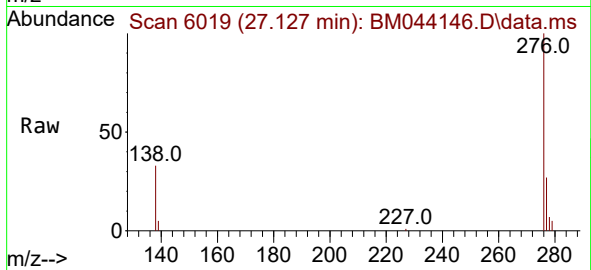
279 29.4 21.8 32.8





#29  
 Benzo(g,h,i)perylene  
 Concen: 1.973 ng/ul  
 RT: 27.127 min Scan# 6019  
 Delta R.T. -0.000 min  
 Lab File: BM044146.D  
 Acq: 16 Feb 2024 20:00

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0FN3



Tgt Ion:276 Resp: 70878  
 Ion Ratio Lower Upper  
 276 100  
 138 32.6 22.7 34.1  
 277 27.5 19.0 28.6

