

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN102122\  
 Data File : BN022259.D  
 Acq On : 21 Oct 2022 18:10  
 Operator : CG/JU  
 Sample : N5064-07  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0BN4

Quant Time: Oct 21 22:41:03 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN102022.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 19 23:32:34 2022  
 Response via : Initial Calibration

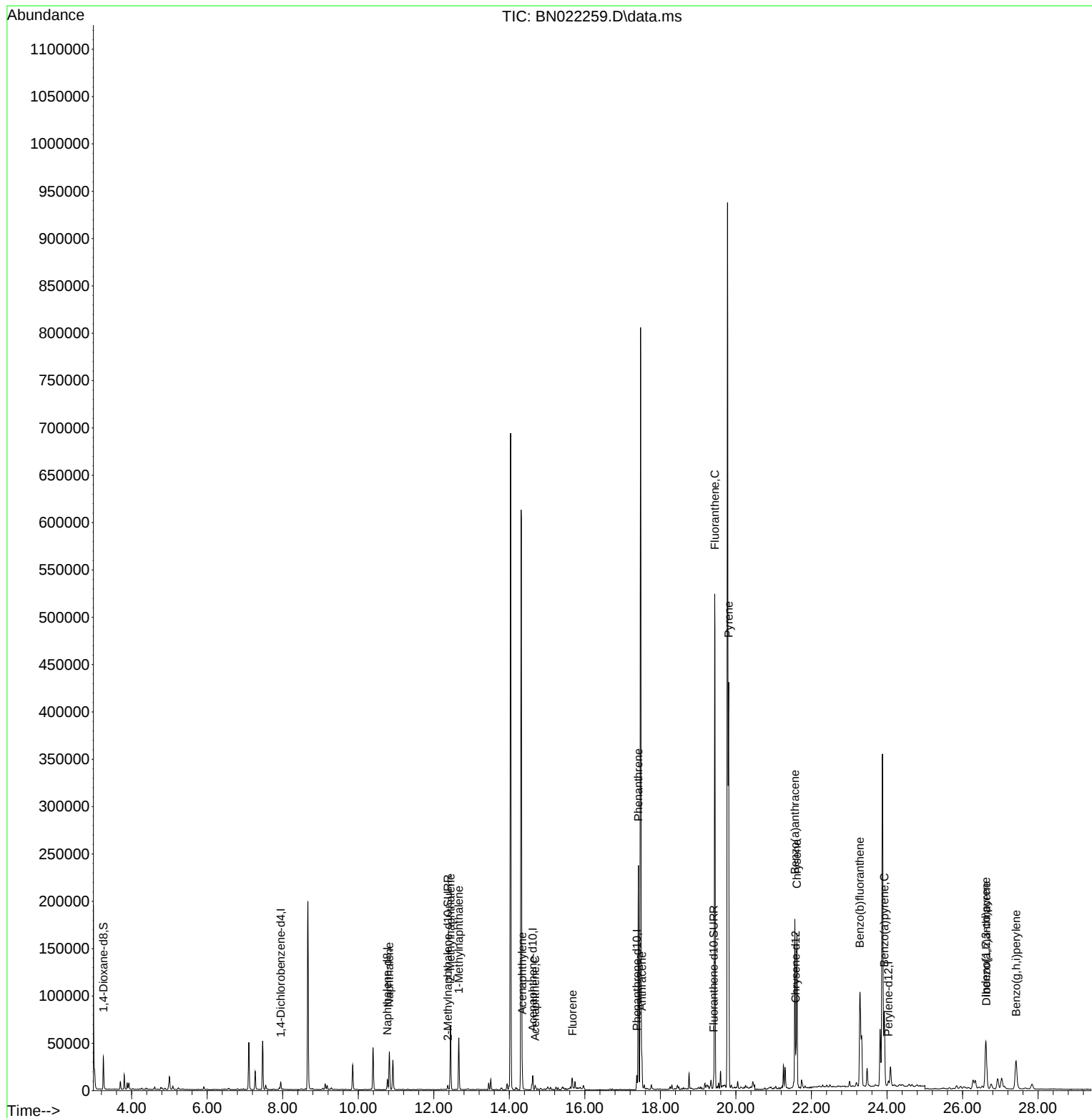
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.949  | 152  | 4094     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.772 | 136  | 13936    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.623 | 164  | 8183     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.379 | 188  | 16426    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.579 | 240  | 9831     | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 24.040 | 264  | 7073     | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.253  | 96   | 22081    | 4.150 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.373 | 152  | 5753     | 0.273 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.412 | 212  | 11558    | 0.350 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.822 | 128  | 54965    | 1.335 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.444 | 142  | 47116    | 1.817 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.664 | 142  | 37290    | 1.398 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.341 | 152  | 20431    | 0.556 | ng/ul# | 95       |
| 11) Acenaphthene            | 14.683 | 153  | 3034     | 0.098 | ng/ul  | 98       |
| 12) Fluorene                | 15.673 | 166  | 5711     | 0.159 | ng/ul# | 95       |
| 15) Phenanthrene            | 17.421 | 178  | 251771   | 4.566 | ng/ul  | 99       |
| 16) Anthracene              | 17.509 | 178  | 33183    | 0.714 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.440 | 202  | 416497   | 9.249 | ng/ul  | 100      |
| 20) Pyrene                  | 19.807 | 202  | 325935   | 7.205 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.562 | 228  | 153621   | 4.171 | ng/ul  | 97       |
| 22) Chrysene                | 21.617 | 228  | 161044   | 4.125 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.283 | 252  | 241554   | 6.801 | ng/ul  | 96       |
| 26) Benzo(a)pyrene          | 23.929 | 252  | 111536   | 3.939 | ng/ul# | 92       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.618 | 276  | 81713    | 2.321 | ng/ul  | 93       |
| 28) Dibenzo(a,h)anthracene  | 26.632 | 278  | 23227    | 0.826 | ng/ul  | 93       |
| 29) Benzo(g,h,i)perylene    | 27.420 | 276  | 66963    | 2.335 | ng/ul  | 98       |
| -----                       |        |      |          |       |        |          |

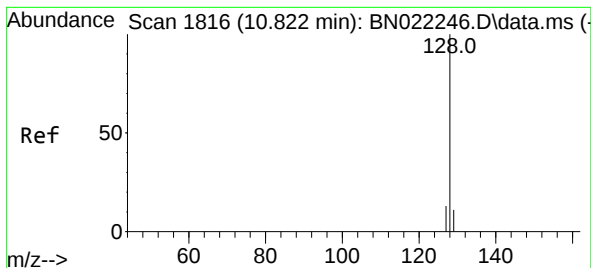
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN102122\  
Data File : BN022259.D  
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Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
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Quant Time: Oct 21 22:41:03 2022  
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Response via : Initial Calibration





#5

Naphthalene

Concen: 1.335 ng/ul

RT: 10.822 min Scan# 1816

Delta R.T. -0.010 min

Lab File: BN022259.D

Acq: 21 Oct 2022 18:10

Instrument :

BNA\_N

ClientSampleId :

C0BN4

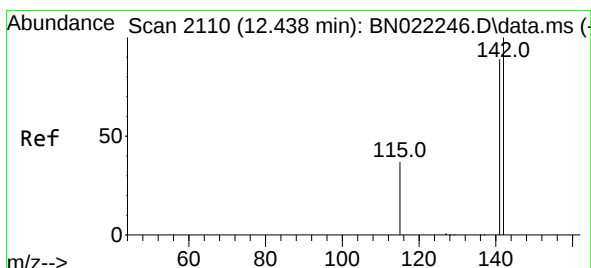
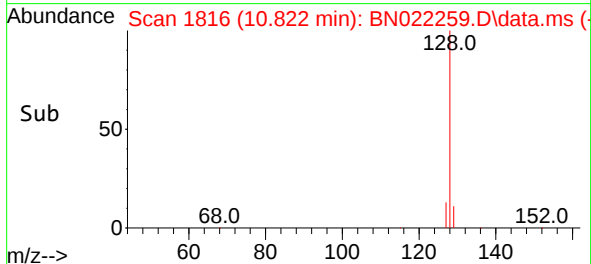
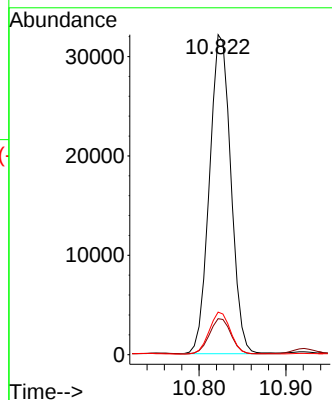
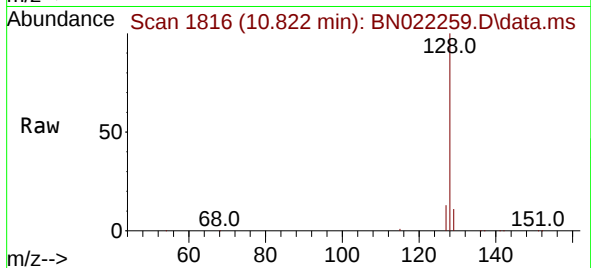
Tgt Ion:128 Resp: 54965

Ion Ratio Lower Upper

128 100

129 11.2 9.3 13.9

127 13.3 10.7 16.1



#7

2-Methylnaphthalene

Concen: 1.817 ng/ul

RT: 12.444 min Scan# 2111

Delta R.T. -0.004 min

Lab File: BN022259.D

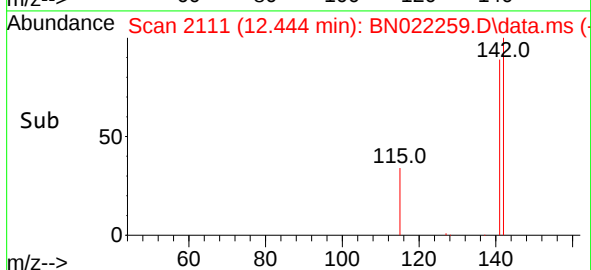
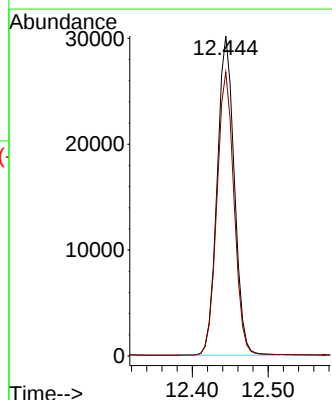
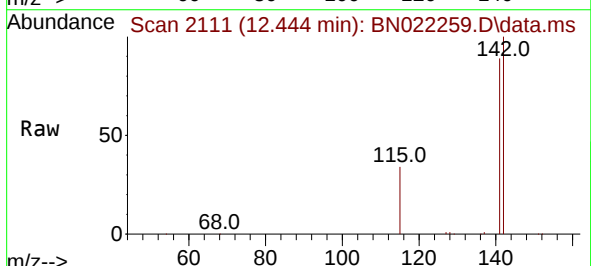
Acq: 21 Oct 2022 18:10

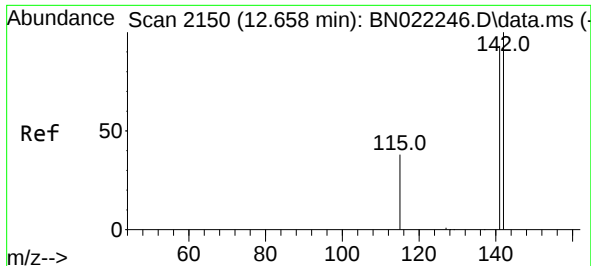
Tgt Ion:142 Resp: 47116

Ion Ratio Lower Upper

142 100

141 88.4 71.1 106.7

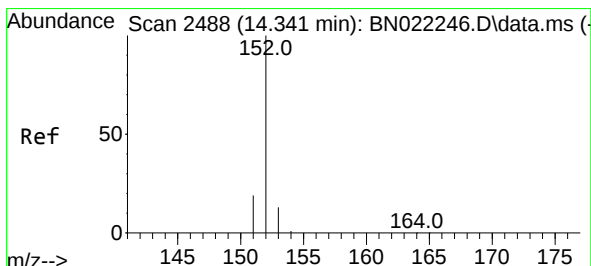
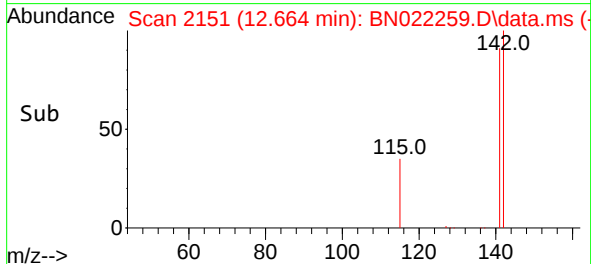
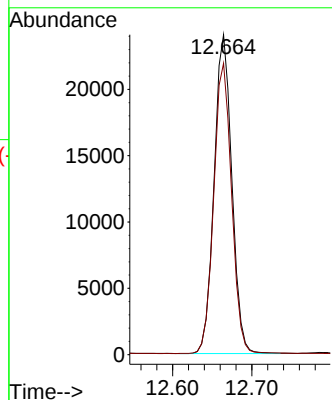
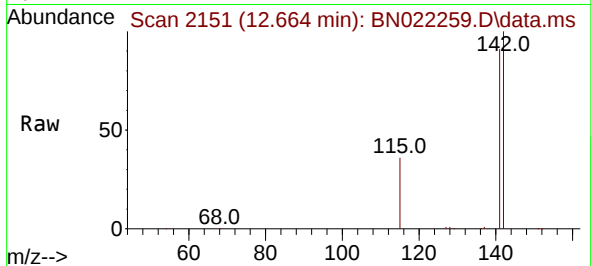




#8  
1-Methylnaphthalene  
Concen: 1.398 ng/ul  
RT: 12.664 min Scan# 2151  
Delta R.T. -0.004 min  
Lab File: BN022259.D  
Acq: 21 Oct 2022 18:10

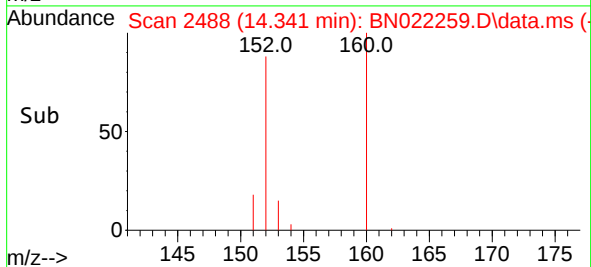
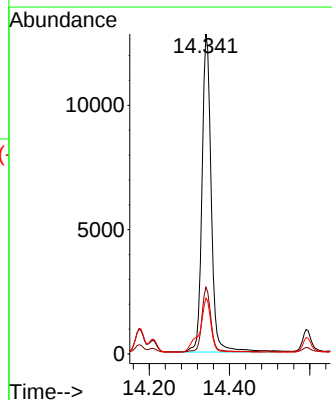
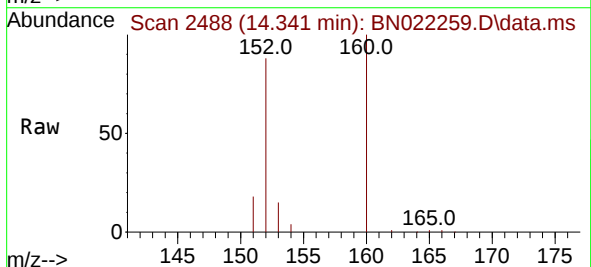
Instrument :  
BNA\_N  
ClientSampleId :  
C0BN4

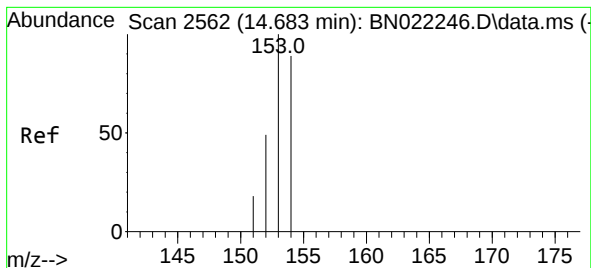
Tgt Ion:142 Resp: 37290  
Ion Ratio Lower Upper  
142 100  
141 91.6 73.3 109.9



#10  
Acenaphthylene  
Concen: 0.556 ng/ul  
RT: 14.341 min Scan# 2488  
Delta R.T. -0.008 min  
Lab File: BN022259.D  
Acq: 21 Oct 2022 18:10

Tgt Ion:152 Resp: 20431  
Ion Ratio Lower Upper  
152 100  
151 20.9 15.9 23.9  
153 17.5 10.8 16.2#





#11

Acenaphthene

Concen: 0.098 ng/ul

RT: 14.683 min Scan# 2562

Delta R.T. -0.003 min

Lab File: BN022259.D

Acq: 21 Oct 2022 18:10

Instrument :

BNA\_N

ClientSampleId :

C0BN4

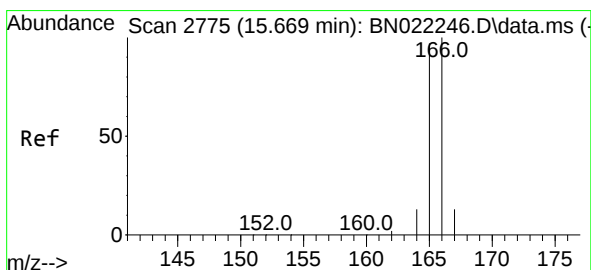
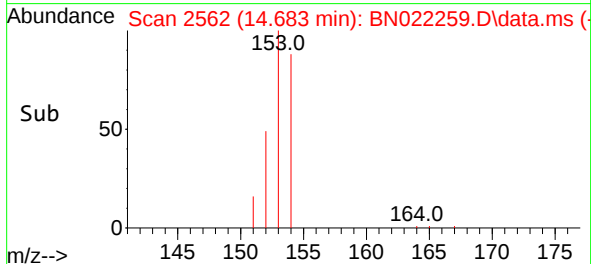
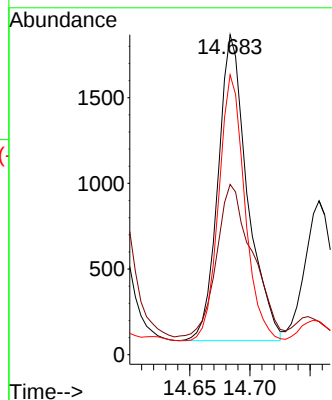
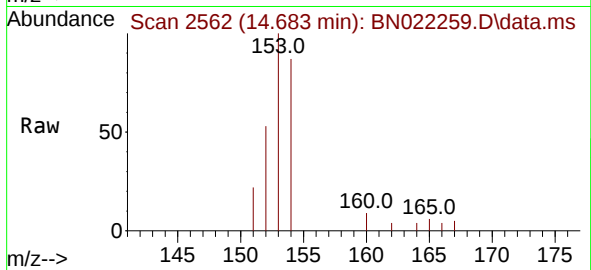
Tgt Ion:153 Resp: 3034

Ion Ratio Lower Upper

153 100

152 53.2 40.6 61.0

154 87.5 70.6 106.0



#12

Fluorene

Concen: 0.159 ng/ul

RT: 15.673 min Scan# 2776

Delta R.T. -0.003 min

Lab File: BN022259.D

Acq: 21 Oct 2022 18:10

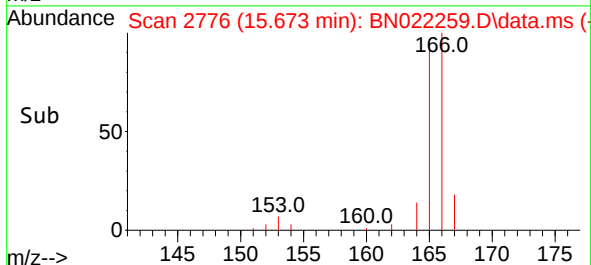
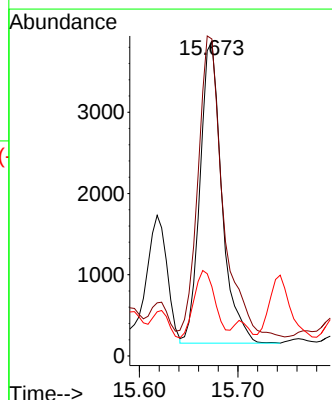
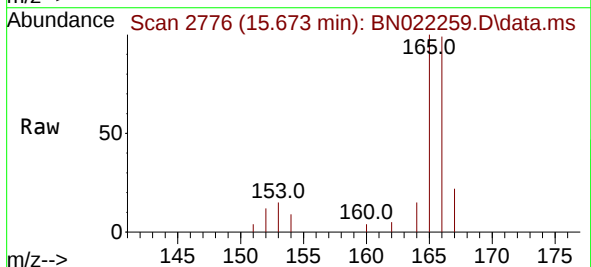
Tgt Ion:166 Resp: 5711

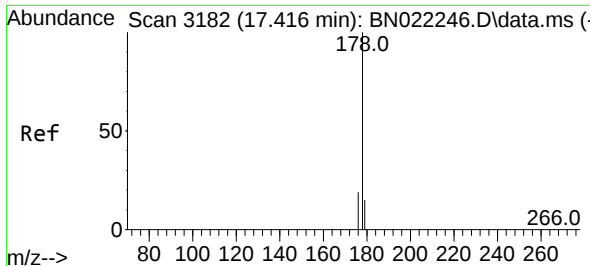
Ion Ratio Lower Upper

166 100

165 100.9 78.2 117.2

167 22.0 11.0 16.4#

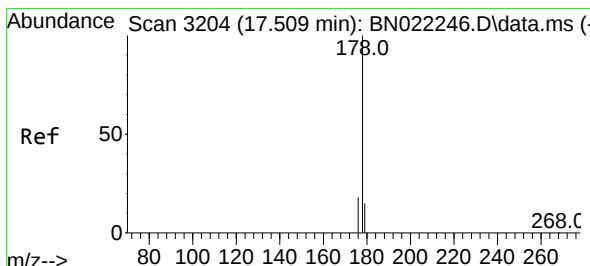
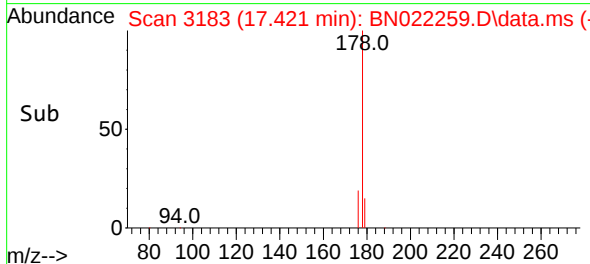
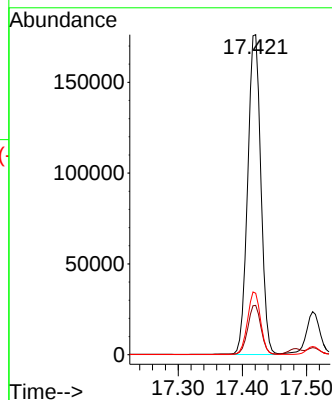
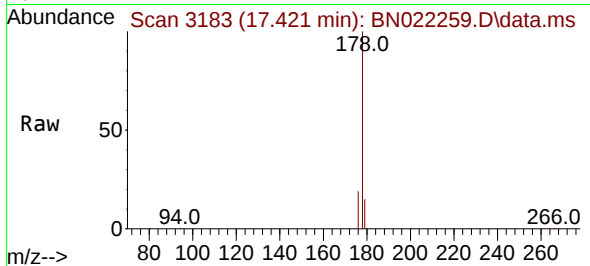




#15  
Phenanthrene  
Concen: 4.566 ng/u1  
RT: 17.421 min Scan# 3183  
Delta R.T. -0.003 min  
Lab File: BN022259.D  
Acq: 21 Oct 2022 18:10

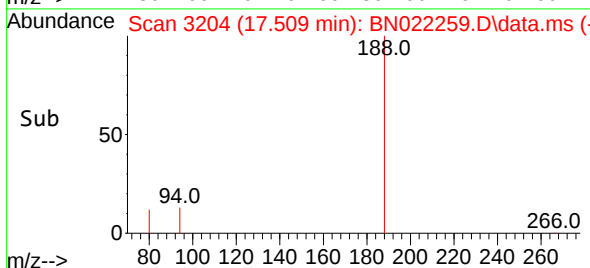
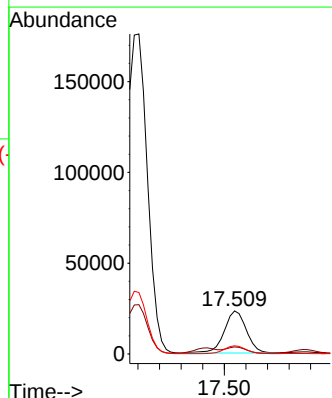
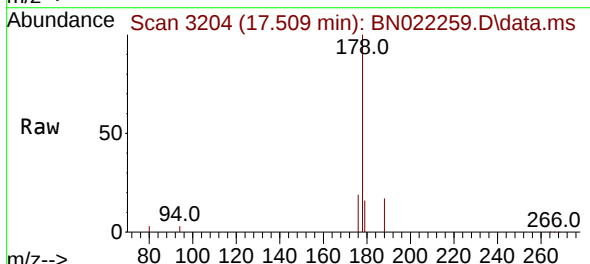
Instrument :  
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ClientSampleId :  
C0BN4

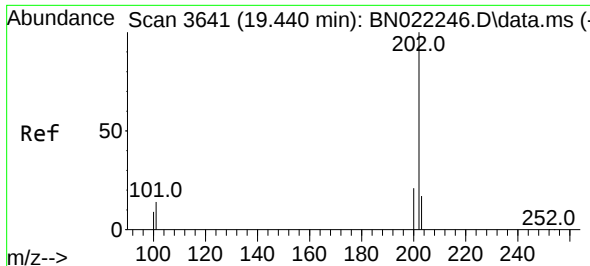
Tgt Ion:178 Resp: 251771  
Ion Ratio Lower Upper  
178 100  
179 15.4 12.7 19.1  
176 19.2 15.4 23.2



#16  
Anthracene  
Concen: 0.714 ng/u1  
RT: 17.509 min Scan# 3204  
Delta R.T. -0.007 min  
Lab File: BN022259.D  
Acq: 21 Oct 2022 18:10

Tgt Ion:178 Resp: 33183  
Ion Ratio Lower Upper  
178 100  
179 16.2 12.6 18.8  
176 19.1 15.0 22.6

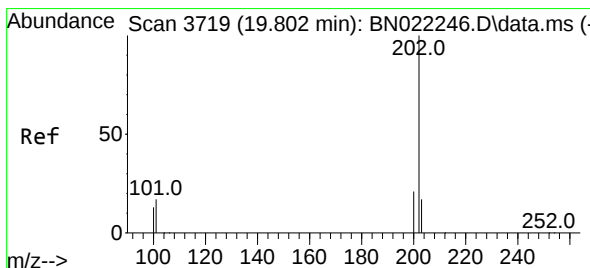
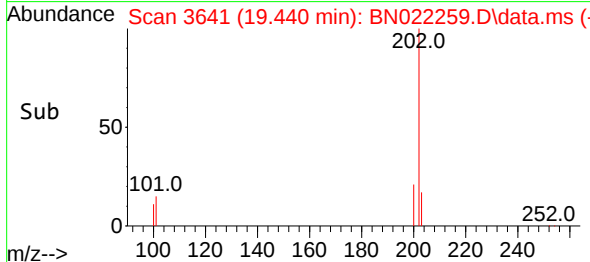
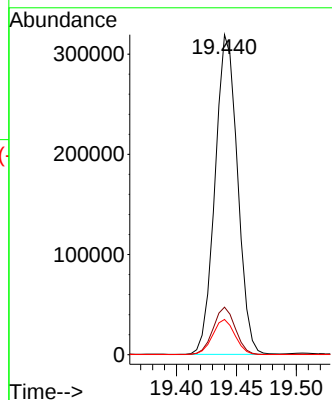
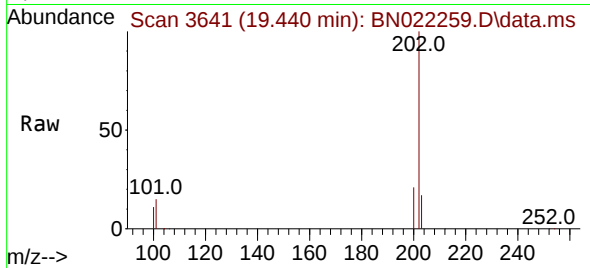




#19  
Fluoranthene  
Concen: 9.249 ng/ul  
RT: 19.440 min Scan# 3641  
Delta R.T. -0.003 min  
Lab File: BN022259.D  
Acq: 21 Oct 2022 18:10

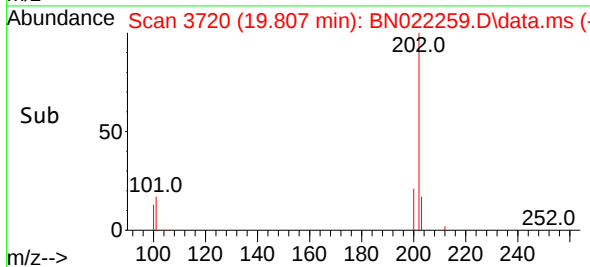
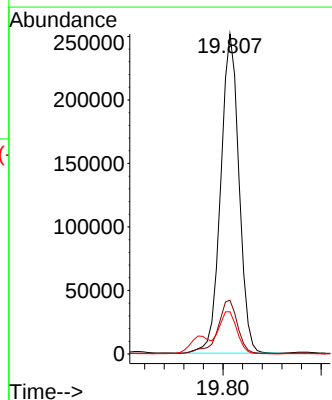
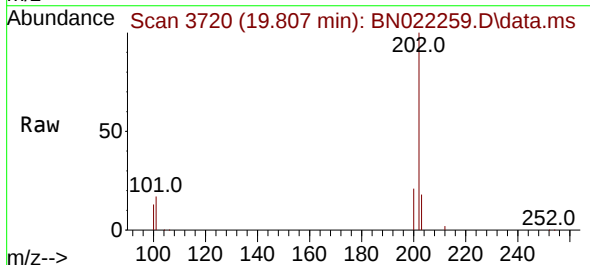
Instrument :  
BNA\_N  
ClientSampleId :  
C0BN4

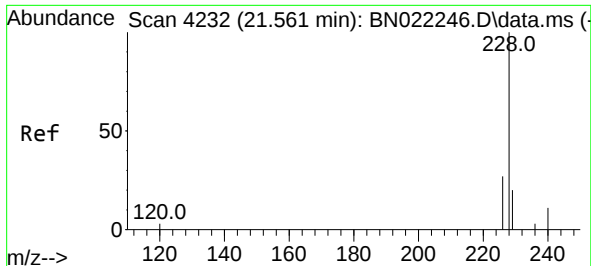
Tgt Ion:202 Resp: 416497  
Ion Ratio Lower Upper  
202 100  
101 14.9 11.8 17.6  
100 11.0 8.7 13.1



#20  
Pyrene  
Concen: 7.205 ng/ul  
RT: 19.807 min Scan# 3720  
Delta R.T. -0.003 min  
Lab File: BN022259.D  
Acq: 21 Oct 2022 18:10

Tgt Ion:202 Resp: 325935  
Ion Ratio Lower Upper  
202 100  
101 16.8 13.1 19.7  
100 13.2 10.6 16.0

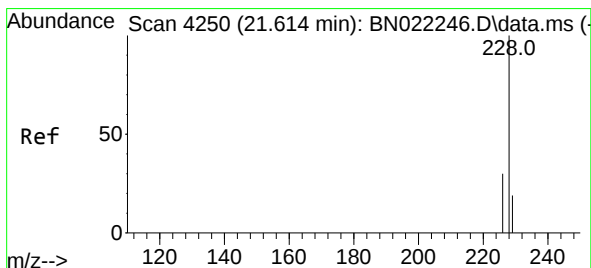
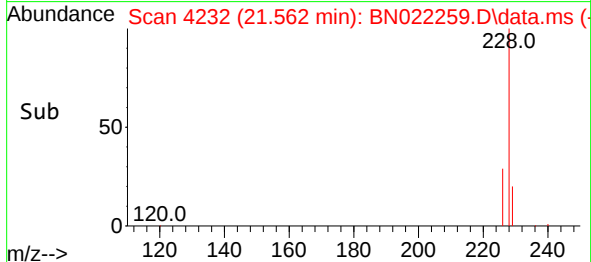
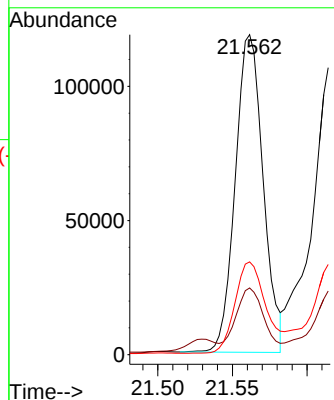
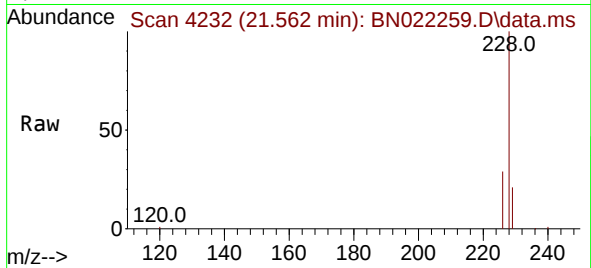




#21  
Benzo(a)anthracene  
Concen: 4.171 ng/ul  
RT: 21.562 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: BN022259.D  
Acq: 21 Oct 2022 18:10

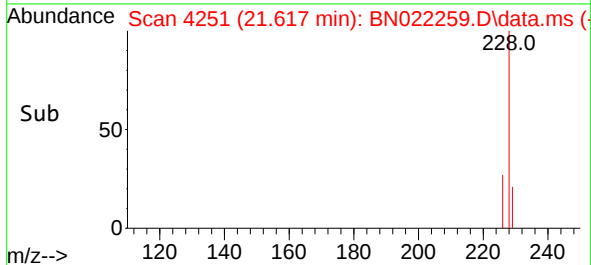
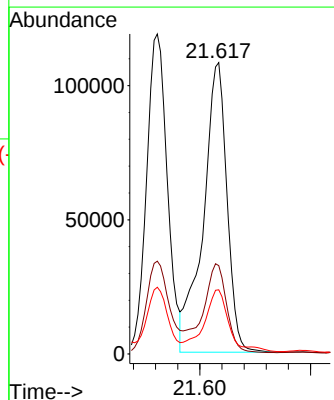
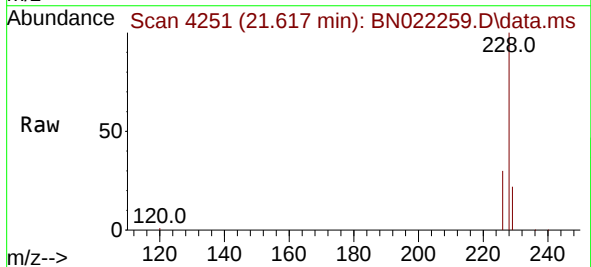
Instrument :  
BNA\_N  
ClientSampleId :  
C0BN4

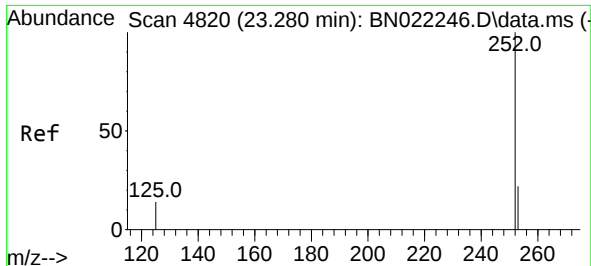
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Ion Ratio Lower Upper  
228 100  
229 20.8 15.7 23.5  
226 29.0 21.5 32.3



#22  
Chrysene  
Concen: 4.125 ng/ul  
RT: 21.617 min Scan# 4251  
Delta R.T. -0.003 min  
Lab File: BN022259.D  
Acq: 21 Oct 2022 18:10

Tgt Ion:228 Resp: 161044  
Ion Ratio Lower Upper  
228 100  
226 30.3 23.9 35.9  
229 22.0 15.9 23.9

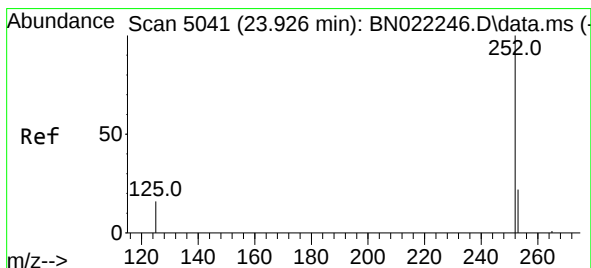
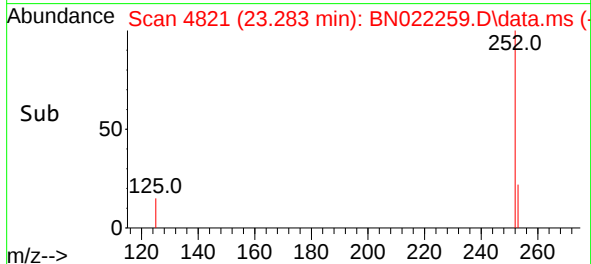
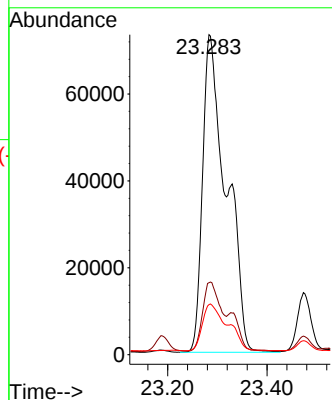
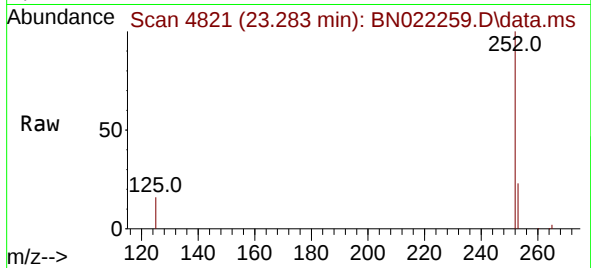




#24  
Benzo(b)fluoranthene  
Concen: 6.801 ng/ul  
RT: 23.283 min Scan# 4820  
Delta R.T. -0.006 min  
Lab File: BN022259.D  
Acq: 21 Oct 2022 18:10

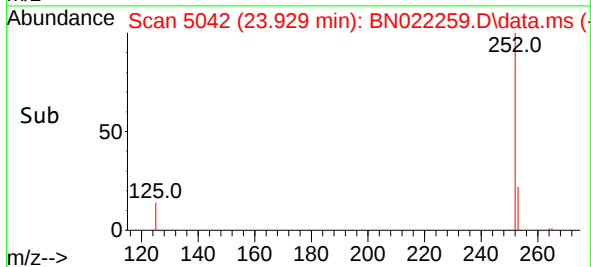
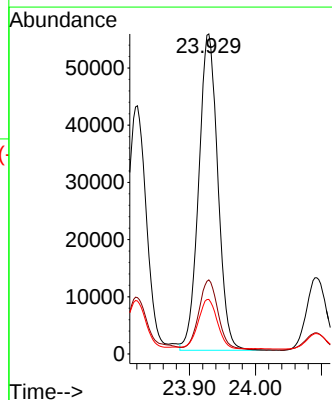
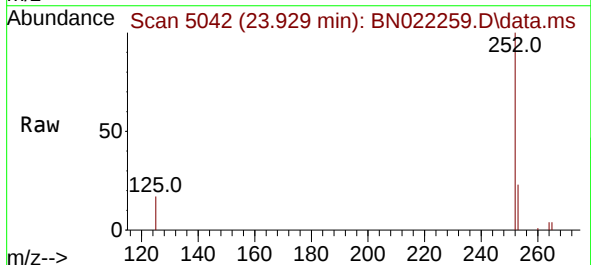
Instrument :  
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ClientSampleId :  
C0BN4

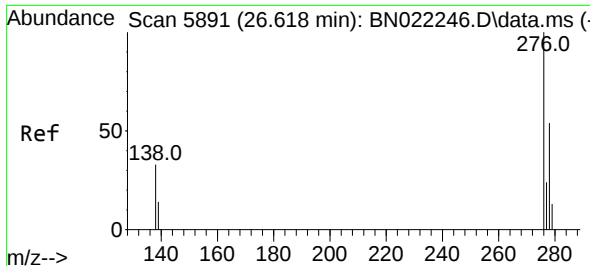
Tgt Ion:252 Resp: 241554  
Ion Ratio Lower Upper  
252 100  
253 22.5 0.0 49.0  
125 15.7 0.0 35.2



#26  
Benzo(a)pyrene  
Concen: 3.939 ng/ul  
RT: 23.929 min Scan# 5042  
Delta R.T. -0.006 min  
Lab File: BN022259.D  
Acq: 21 Oct 2022 18:10

Tgt Ion:252 Resp: 111536  
Ion Ratio Lower Upper  
252 100  
253 23.1 21.0 31.6  
125 17.1 17.9 26.9#





#27

Indeno(1,2,3-cd)pyrene

Concen: 2.321 ng/ul

RT: 26.618 min Scan# 5891

Delta R.T. -0.017 min

Lab File: BN022259.D

Acq: 21 Oct 2022 18:10

Instrument :

BNA\_N

ClientSampleId :

C0BN4

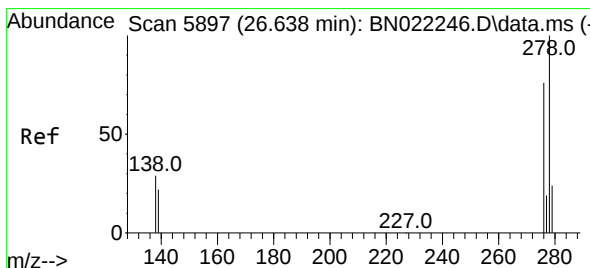
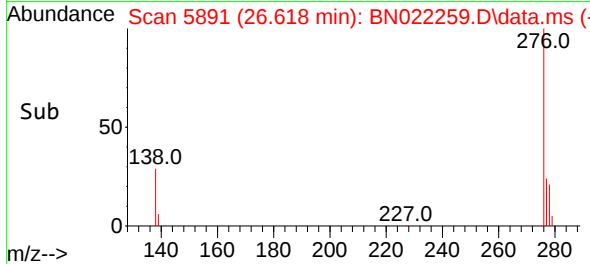
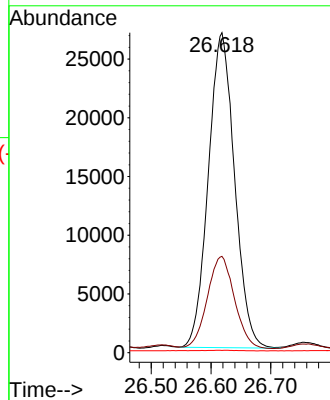
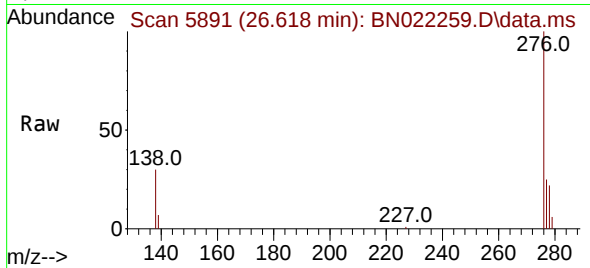
Tgt Ion:276 Resp: 81713

Ion Ratio Lower Upper

276 100

138 30.3 27.7 41.5

227 0.2 0.2 0.2



#28

Dibenzo(a,h)anthracene

Concen: 0.826 ng/ul

RT: 26.632 min Scan# 5895

Delta R.T. -0.024 min

Lab File: BN022259.D

Acq: 21 Oct 2022 18:10

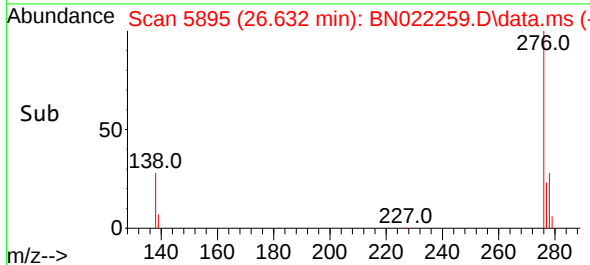
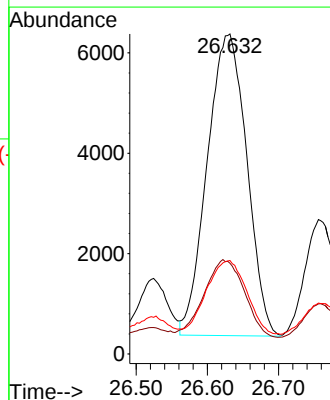
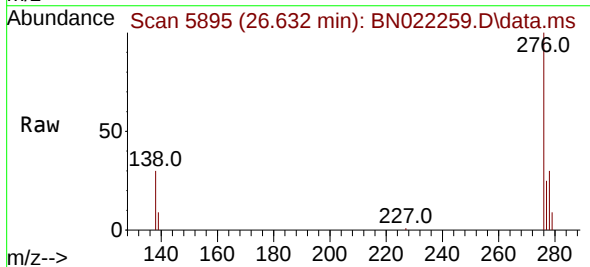
Tgt Ion:278 Resp: 23227

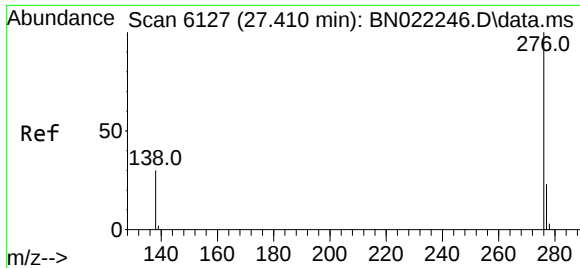
Ion Ratio Lower Upper

278 100

139 28.3 19.6 29.4

279 29.2 20.6 30.8





#29  
 Benzo(g,h,i)perylene  
 Concen: 2.335 ng/ul  
 RT: 27.420 min Scan# 61  
 Delta R.T. -0.010 min  
 Lab File: BN022259.D  
 Acq: 21 Oct 2022 18:10

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0BN4

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 66963 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 30.5  | 25.2  | 37.8  |
| 277       | 24.0  | 19.9  | 29.9  |

