

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN050323\  
 Data File : BN025256.D  
 Acq On : 04 May 2023 01:05  
 Operator : CG/JU  
 Sample : 02447-11  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EW917

Quant Time: May 04 04:32:30 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN042023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 03 15:28:32 2023  
 Response via : Initial Calibration

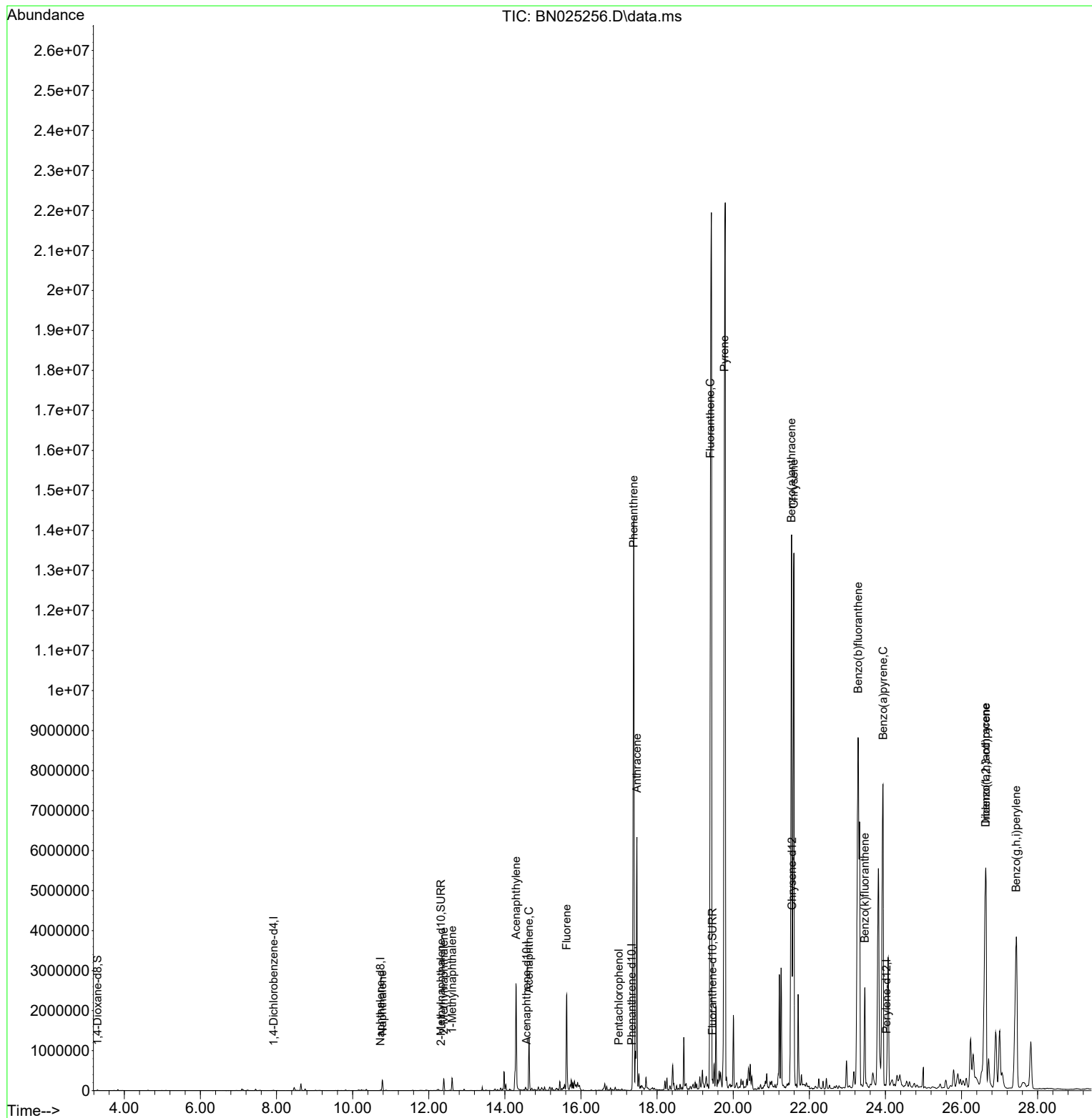
| Compound                    | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|---------|--------|----------|
| -----                       |        |      |          |         |        |          |
| Internal Standards          |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.921  | 152  | 5113     | 0.400   | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.732 | 136  | 17207    | 0.400   | ng/ul  | # 0.01   |
| 9) Acenaphthene-d10         | 14.570 | 164  | 14173    | 0.400   | ng/ul  | 0.01     |
| 13) Phenanthrene-d10        | 17.330 | 188  | 26057    | 0.400   | ng/ul  | # 0.02   |
| 17) Chrysene-d12            | 21.549 | 240  | 20172    | 0.400   | ng/ul  | # 0.05   |
| 23) Perylene-d12            | 24.028 | 264  | 51914    | 0.400   | ng/ul  | # 0.09   |
| System Monitoring Compounds |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8           | 3.293  | 96   | 10467    | 1.977   | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.321 | 152  | 3528     | 0.160   | ng/ul  | 0.01     |
| 18) Fluoranthene-d10        | 19.452 | 212  | 7986     | 0.150   | ng/ul  | 0.11     |
| Target Compounds            |        |      |          |         |        |          |
|                             |        |      |          |         | Qvalue |          |
| 5) Naphthalene              | 10.781 | 128  | 348171   | 7.897   | ng/ul  | 100      |
| 7) 2-Methylnaphthalene      | 12.398 | 142  | 203358   | 7.531   | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.612 | 142  | 211231   | 7.338   | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.293 | 152  | 3263846  | 61.817  | ng/ul  | 100      |
| 11) Acenaphthene            | 14.635 | 153  | 749559   | 16.842  | ng/ul  | 97       |
| 12) Fluorene                | 15.625 | 166  | 1568753  | 31.530  | ng/ul  | 100      |
| 14) Pentachlorophenol       | 16.992 | 266  | 803      | 0.157   | ng/ul  | 92       |
| 15) Phenanthrene            | 17.381 | 178  | 18417306 | 250.408 | ng/ul  | 93       |
| 16) Anthracene              | 17.469 | 178  | 6716960  | 111.635 | ng/ul  | 100      |
| 19) Fluoranthene            | 19.401 | 202  | 26024487 | 356.765 | ng/ul# | 91       |
| 20) Pyrene                  | 19.768 | 202  | 24339408 | 324.752 | ng/ul# | 87       |
| 21) Benzo(a)anthracene      | 21.529 | 228  | 16392700 | 269.680 | ng/ul  | 91       |
| 22) Chrysene                | 21.593 | 228  | 16234315 | 244.827 | ng/ul# | 92       |
| 24) Benzo(b)fluoranthene    | 23.283 | 252  | 27135925 | 128.837 | ng/ul  | 96       |
| 25) Benzo(k)fluoranthene    | 23.458 | 252  | 2977576  | 14.697  | ng/ul  | 97       |
| 26) Benzo(a)pyrene          | 23.938 | 252  | 14080276 | 80.798  | ng/ul# | 92       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.638 | 276  | 10875932 | 54.167  | ng/ul# | 98       |
| 28) Dibenzo(a,h)anthracene  | 26.631 | 278  | 3386369  | 21.592  | ng/ul  | 98       |
| 29) Benzo(g,h,i)perylene    | 27.440 | 276  | 9415735  | 55.151  | ng/ul  | 99       |
| -----                       |        |      |          |         |        |          |

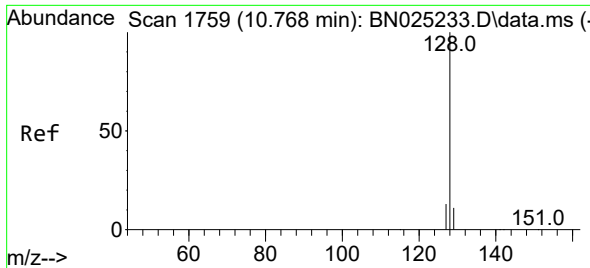
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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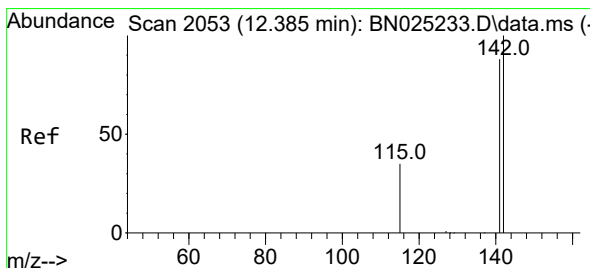
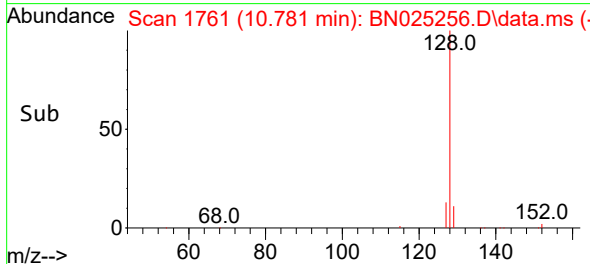
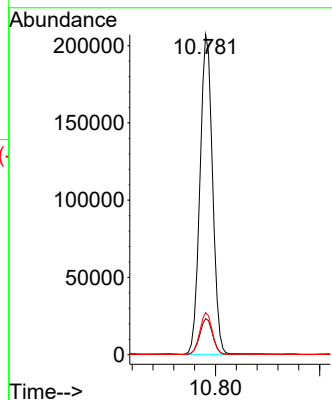
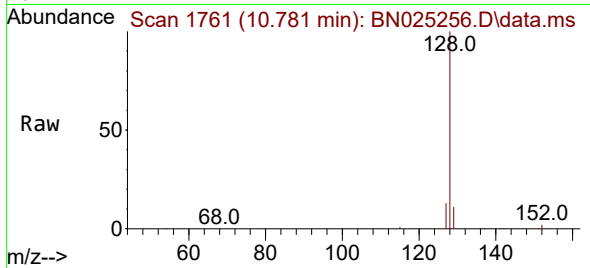




#5  
Naphthalene  
Concen: 7.897 ng/ul  
RT: 10.781 min Scan# 1761  
Delta R.T. 0.013 min  
Lab File: BN025256.D  
Acq: 04 May 2023 01:05

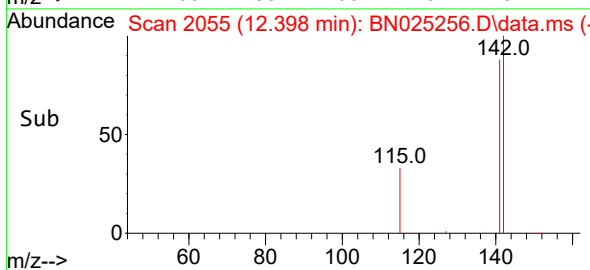
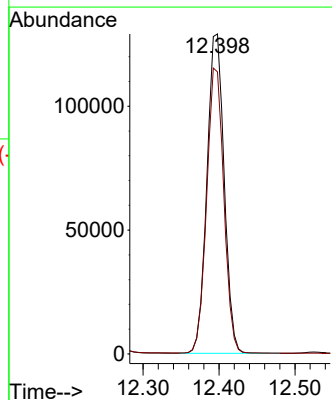
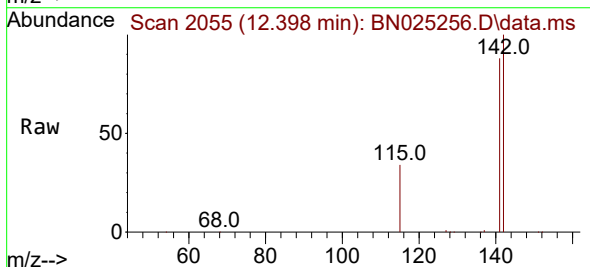
Instrument :  
BNA\_N  
ClientSampleId :  
EW917

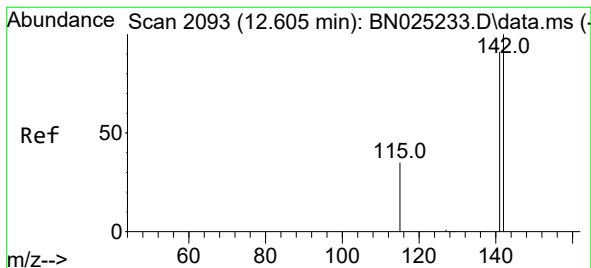
Tgt Ion:128 Resp: 348171  
Ion Ratio Lower Upper  
128 100  
129 11.3 9.0 13.6  
127 13.1 10.7 16.1



#7  
2-Methylnaphthalene  
Concen: 7.531 ng/ul  
RT: 12.398 min Scan# 2055  
Delta R.T. 0.013 min  
Lab File: BN025256.D  
Acq: 04 May 2023 01:05

Tgt Ion:142 Resp: 203358  
Ion Ratio Lower Upper  
142 100  
141 88.8 71.4 107.0





#8

1-Methylnaphthalene

Concen: 7.338 ng/ul

RT: 12.612 min Scan# 2094

Delta R.T. 0.007 min

Lab File: BN025256.D

Acq: 04 May 2023 01:05

Instrument :

BNA\_N

ClientSampleId :

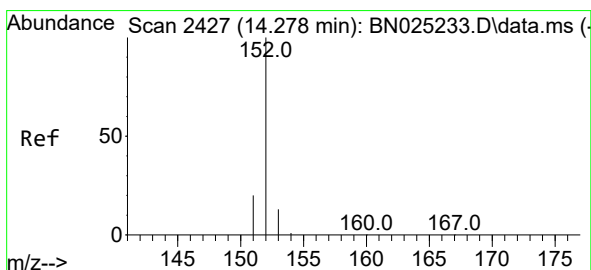
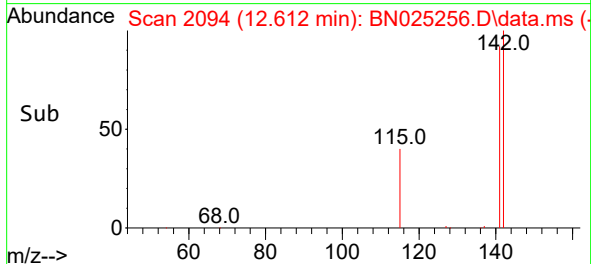
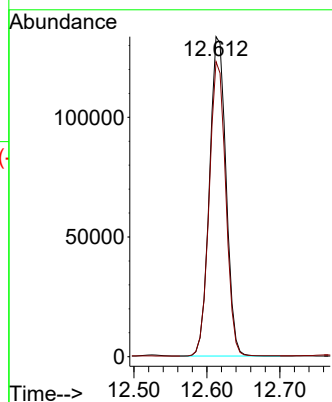
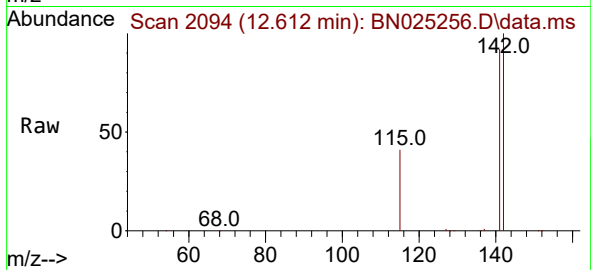
EW917

Tgt Ion:142 Resp: 211231

Ion Ratio Lower Upper

142 100

141 91.9 73.8 110.6



#10

Acenaphthylene

Concen: 61.817 ng/ul

RT: 14.293 min Scan# 2430

Delta R.T. 0.015 min

Lab File: BN025256.D

Acq: 04 May 2023 01:05

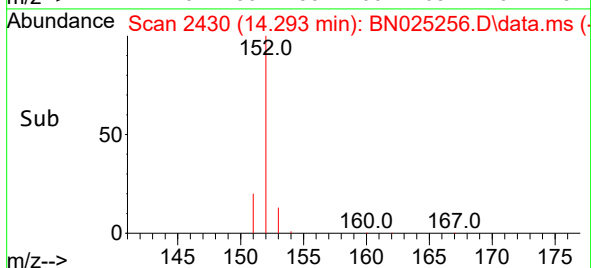
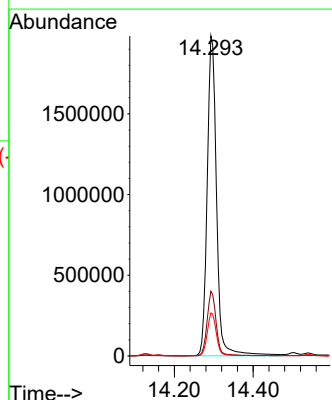
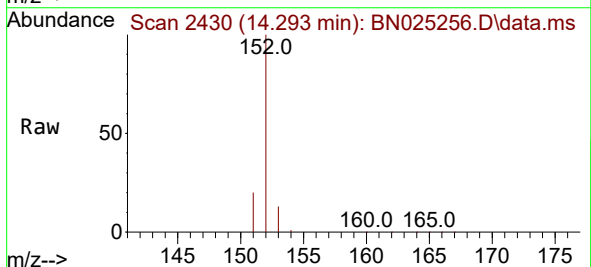
Tgt Ion:152 Resp: 3263846

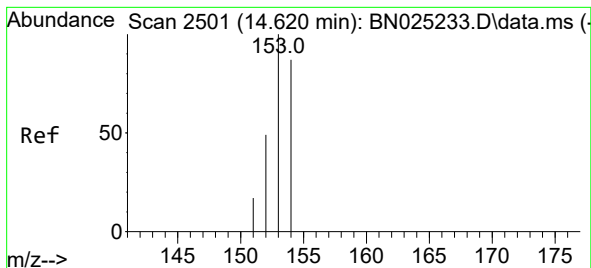
Ion Ratio Lower Upper

152 100

151 20.2 16.0 24.0

153 13.4 10.8 16.2





#11

Acenaphthene

Concen: 16.842 ng/ul

RT: 14.635 min Scan# 2504

Delta R.T. 0.015 min

Lab File: BN025256.D

Acq: 04 May 2023 01:05

Instrument :

BNA\_N

ClientSampleId :

EW917

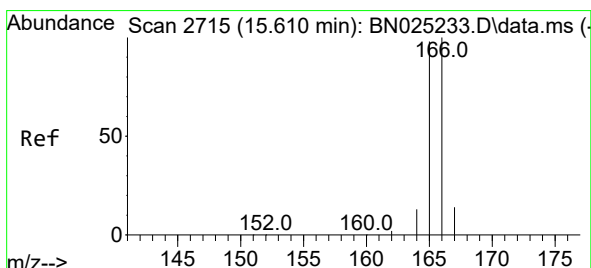
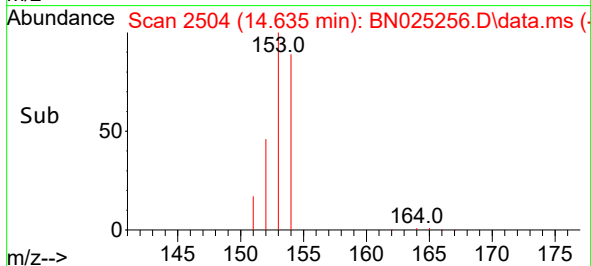
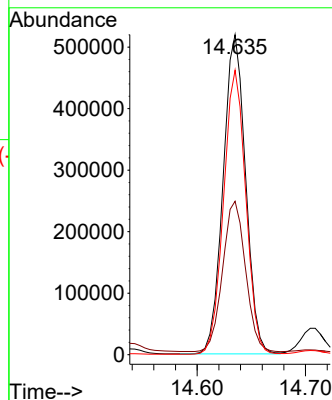
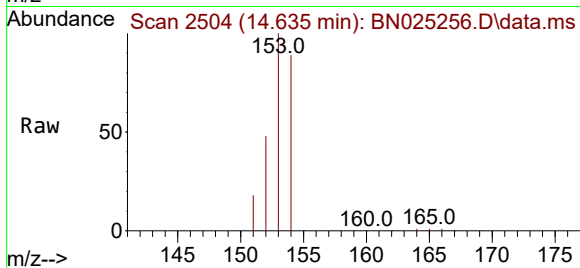
Tgt Ion:153 Resp: 749559

Ion Ratio Lower Upper

153 100

152 48.0 40.2 60.4

154 88.9 69.4 104.2



#12

Fluorene

Concen: 31.530 ng/ul

RT: 15.625 min Scan# 2718

Delta R.T. 0.015 min

Lab File: BN025256.D

Acq: 04 May 2023 01:05

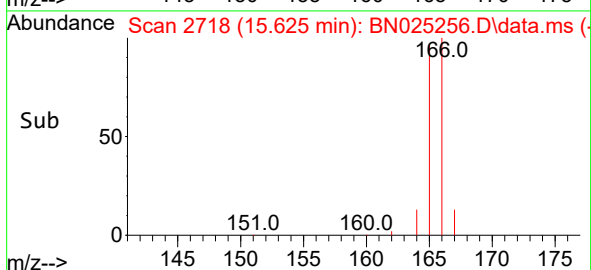
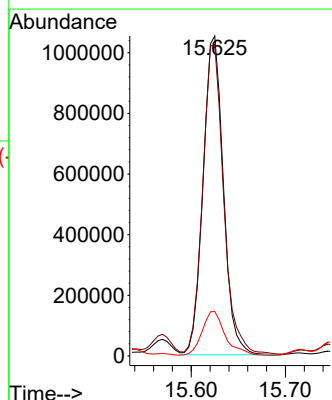
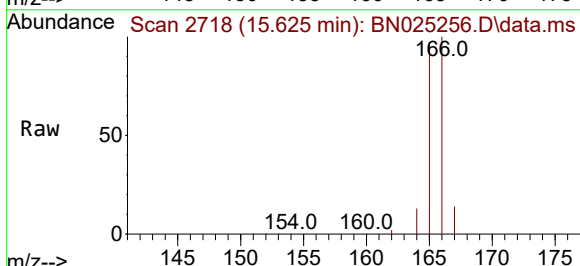
Tgt Ion:166 Resp: 1568753

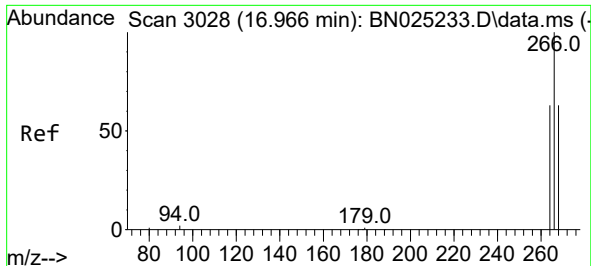
Ion Ratio Lower Upper

166 100

165 97.3 78.1 117.1

167 13.9 11.0 16.6

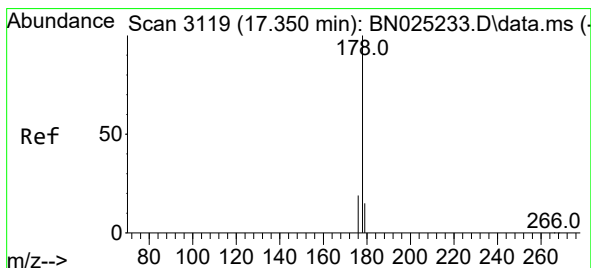
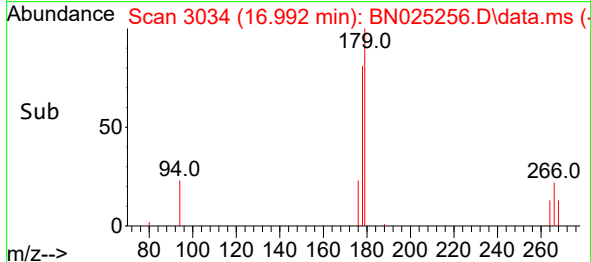
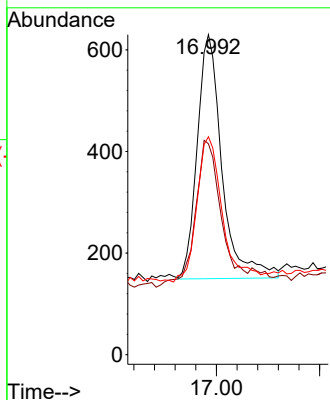
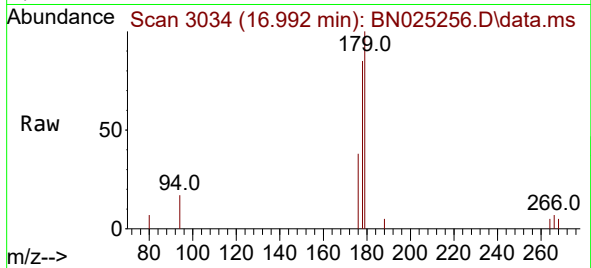




#14  
 Pentachlorophenol  
 Concen: 0.157 ng/ul  
 RT: 16.992 min Scan# 3028  
 Delta R.T. 0.026 min  
 Lab File: BN025256.D  
 Acq: 04 May 2023 01:05

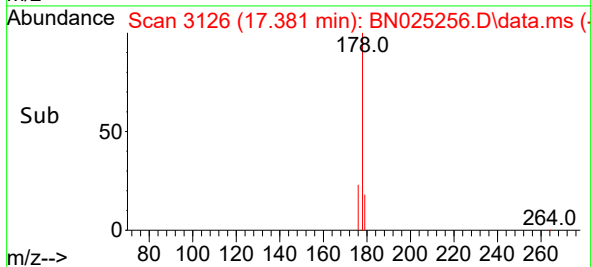
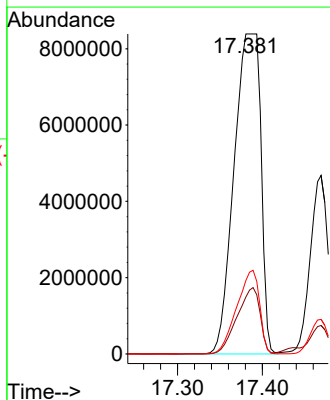
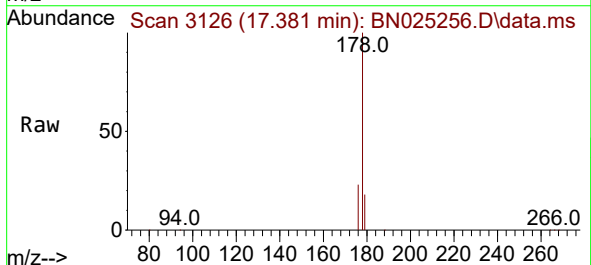
Instrument :  
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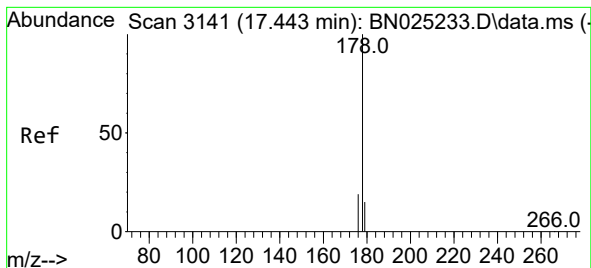
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 803  |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 71.2  | 49.6  | 74.4 |
| 268       | 60.3  | 51.3  | 76.9 |



#15  
 Phenanthrene  
 Concen: 250.408 ng/ul  
 RT: 17.381 min Scan# 3126  
 Delta R.T. 0.030 min  
 Lab File: BN025256.D  
 Acq: 04 May 2023 01:05

|           |       |       |          |
|-----------|-------|-------|----------|
| Tgt Ion:  | 178   | Resp: | 18417306 |
| Ion Ratio | Lower | Upper |          |
| 178       | 100   |       |          |
| 179       | 17.8  | 12.5  | 18.7     |
| 176       | 22.9  | 15.6  | 23.4     |





#16

Anthracene

Concen: 111.635 ng/ul

RT: 17.469 min Scan# 3147

Delta R.T. 0.026 min

Lab File: BN025256.D

Acq: 04 May 2023 01:05

Instrument :

BNA\_N

ClientSampleId :

EW917

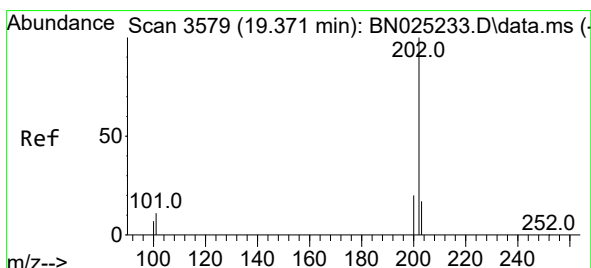
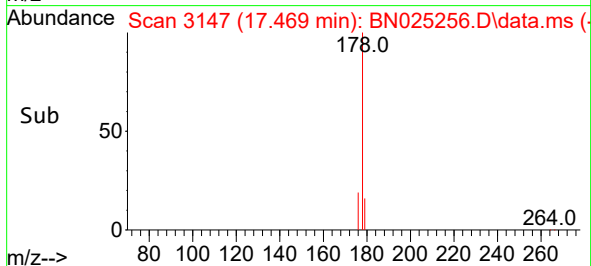
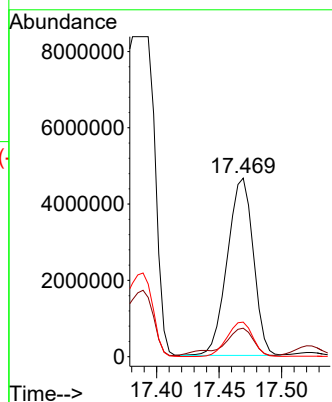
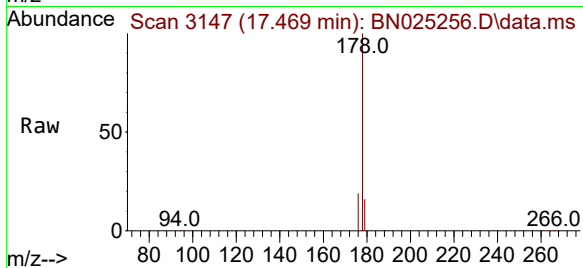
Tgt Ion:178 Resp: 6716960

Ion Ratio Lower Upper

178 100

179 15.9 12.7 19.1

176 19.4 15.3 22.9



#19

Fluoranthene

Concen: 356.765 ng/ul

RT: 19.401 min Scan# 3585

Delta R.T. 0.029 min

Lab File: BN025256.D

Acq: 04 May 2023 01:05

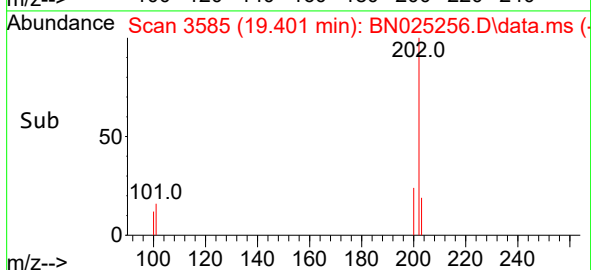
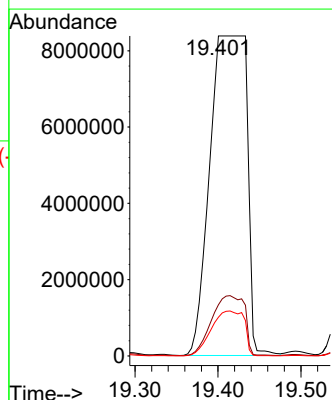
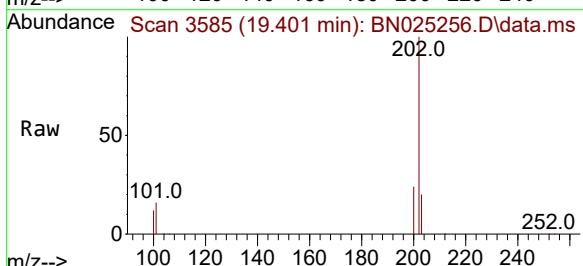
Tgt Ion:202 Resp:26024487

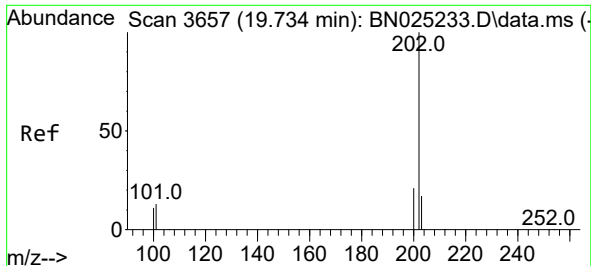
Ion Ratio Lower Upper

202 100

101 16.0 9.7 14.5#

100 12.1 7.3 10.9#

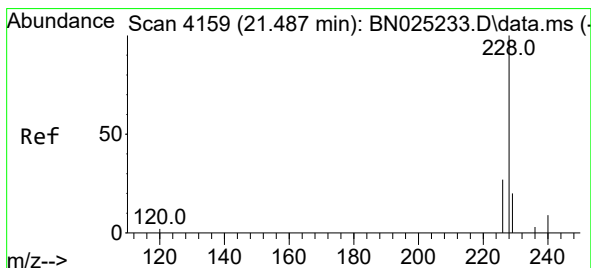
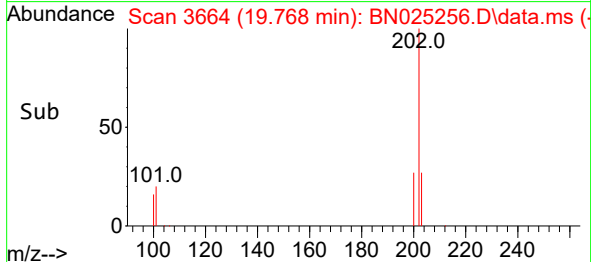
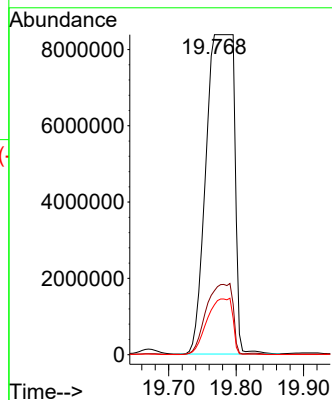
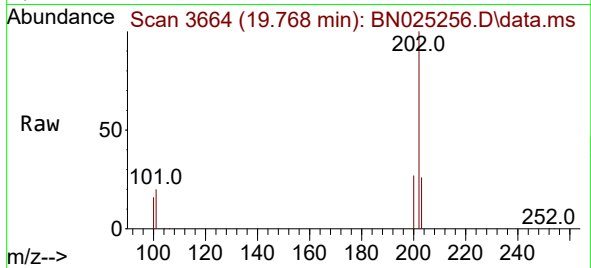




#20  
Pyrene  
Concen: 324.752 ng/ul  
RT: 19.768 min Scan# 3664  
Delta R.T. 0.034 min  
Lab File: BN025256.D  
Acq: 04 May 2023 01:05

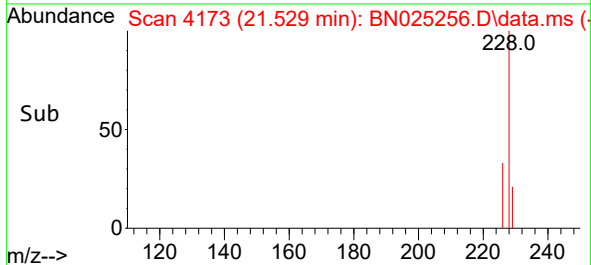
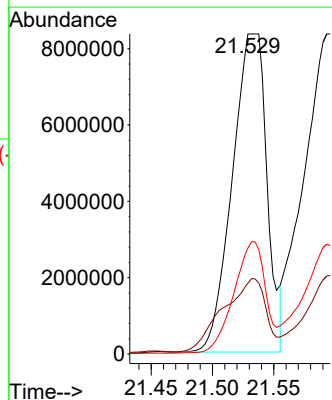
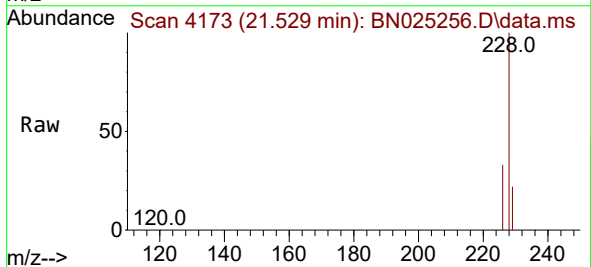
Instrument :  
BNA\_N  
ClientSampleId :  
EW917

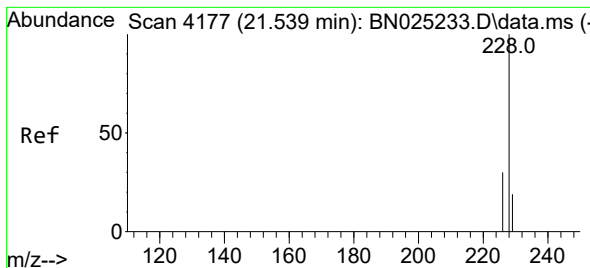
Tgt Ion:202 Resp:24339408  
Ion Ratio Lower Upper  
202 100  
101 20.0 11.3 16.9#  
100 15.6 9.2 13.8#



#21  
Benzo(a)anthracene  
Concen: 269.680 ng/ul  
RT: 21.529 min Scan# 4173  
Delta R.T. 0.042 min  
Lab File: BN025256.D  
Acq: 04 May 2023 01:05

Tgt Ion:228 Resp:16392700  
Ion Ratio Lower Upper  
228 100  
229 22.1 15.6 23.4  
226 33.1 22.1 33.1





#22

Chrysene

Concen: 244.827 ng/ul

RT: 21.593 min Scan# 4195

Delta R.T. 0.054 min

Lab File: BN025256.D

Acq: 04 May 2023 01:05

Instrument :

BNA\_N

ClientSampleId :

EW917

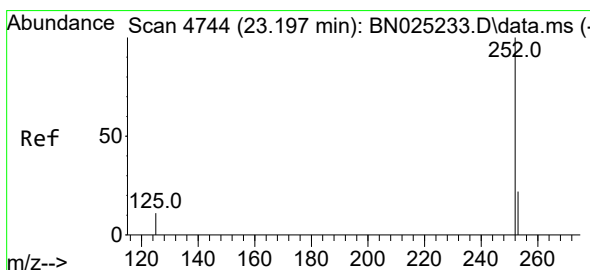
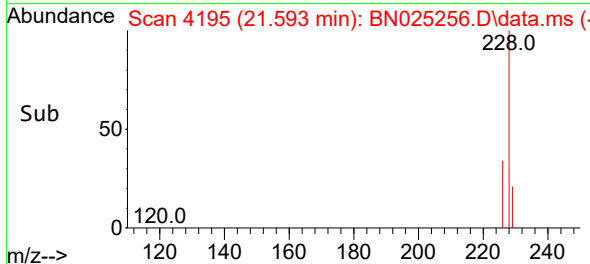
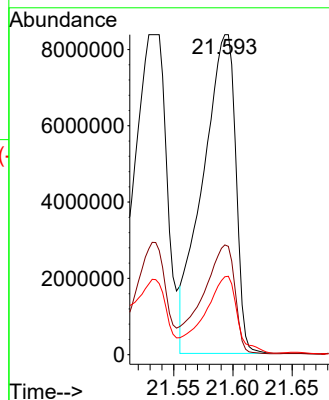
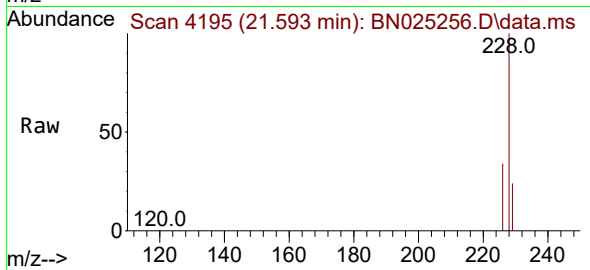
Tgt Ion:228 Resp:16234315

Ion Ratio Lower Upper

228 100

226 34.3 24.5 36.7

229 24.4 15.8 23.6#



#24

Benzo(b)fluoranthene

Concen: 128.837 ng/ul

RT: 23.283 min Scan# 4773

Delta R.T. 0.086 min

Lab File: BN025256.D

Acq: 04 May 2023 01:05

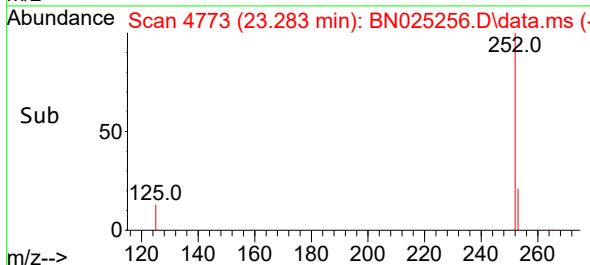
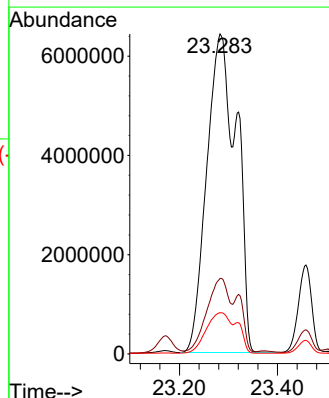
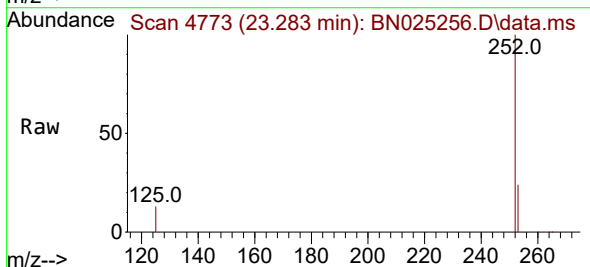
Tgt Ion:252 Resp:27135925

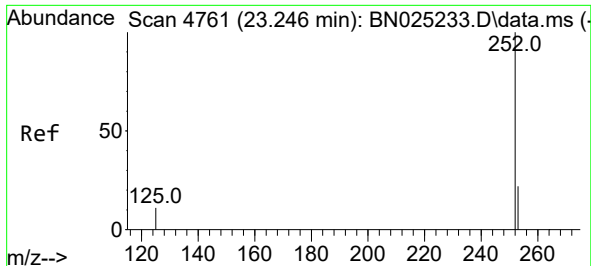
Ion Ratio Lower Upper

252 100

253 23.6 0.0 50.2

125 12.9 0.0 30.4

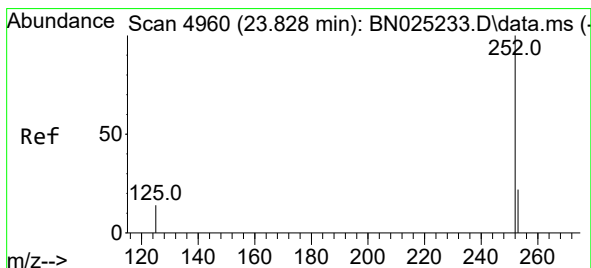
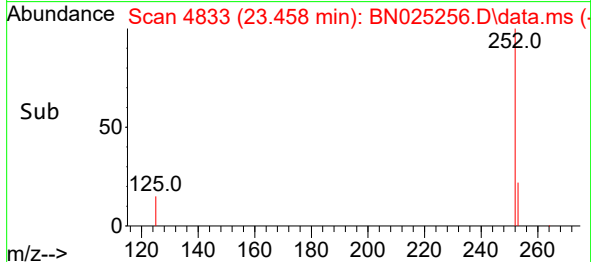
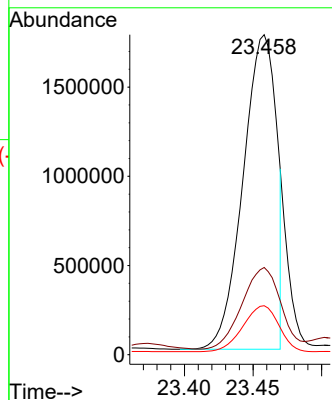
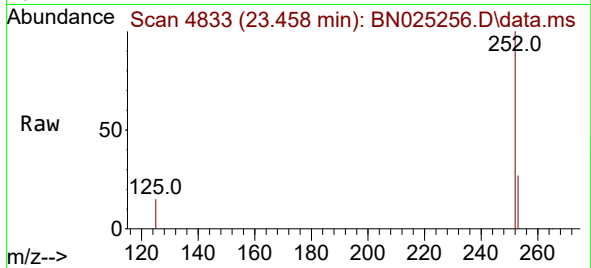




#25  
Benzo(k)fluoranthene  
Concen: 14.697 ng/ul  
RT: 23.458 min Scan# 41  
Delta R.T. 0.212 min  
Lab File: BN025256.D  
Acq: 04 May 2023 01:05

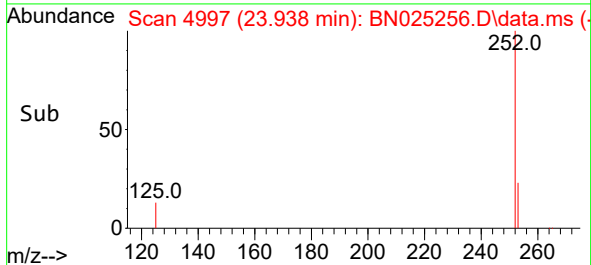
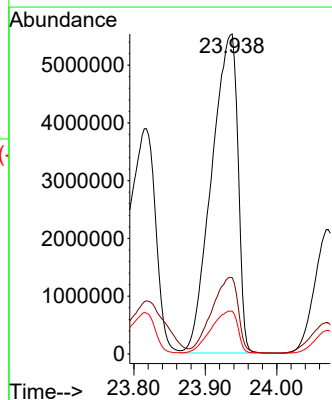
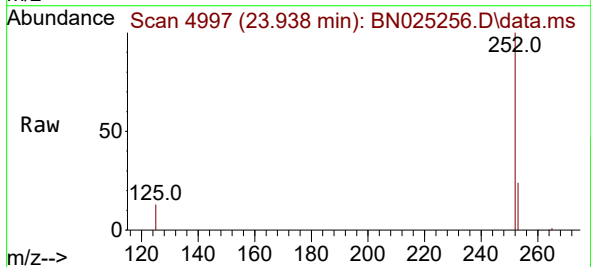
Instrument :  
BNA\_N  
ClientSampleId :  
EW917

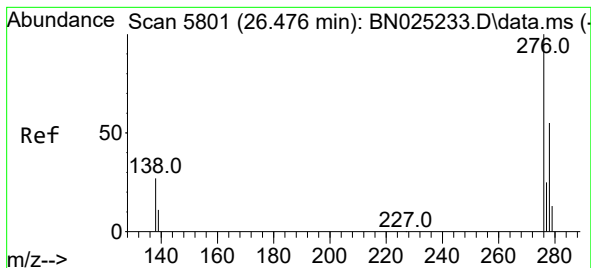
Tgt Ion:252 Resp: 2977576  
Ion Ratio Lower Upper  
252 100  
253 27.2 20.2 30.4  
125 15.3 11.8 17.8



#26  
Benzo(a)pyrene  
Concen: 80.798 ng/ul  
RT: 23.938 min Scan# 4997  
Delta R.T. 0.110 min  
Lab File: BN025256.D  
Acq: 04 May 2023 01:05

Tgt Ion:252 Resp:14080276  
Ion Ratio Lower Upper  
252 100  
253 23.9 21.4 32.2  
125 13.4 14.6 22.0#





#27

Indeno(1,2,3-cd)pyrene

Concen: 54.167 ng/ul

RT: 26.638 min Scan# 5849

Delta R.T. 0.162 min

Lab File: BN025256.D

Acq: 04 May 2023 01:05

Instrument :

BNA\_N

ClientSampleId :

EW917

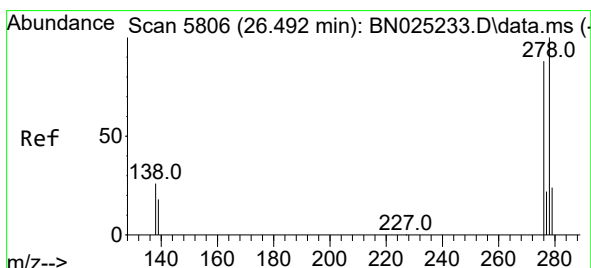
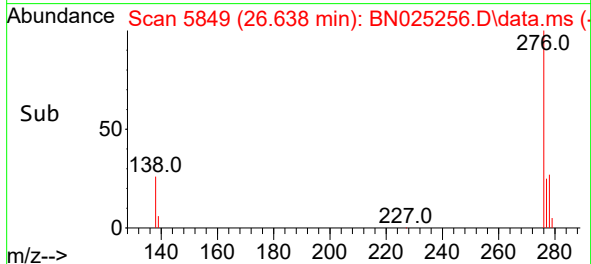
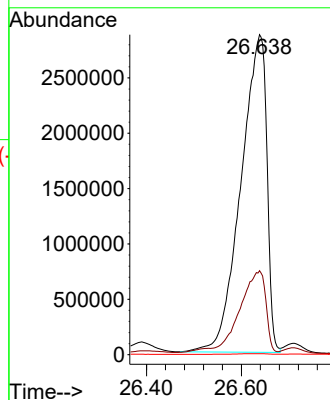
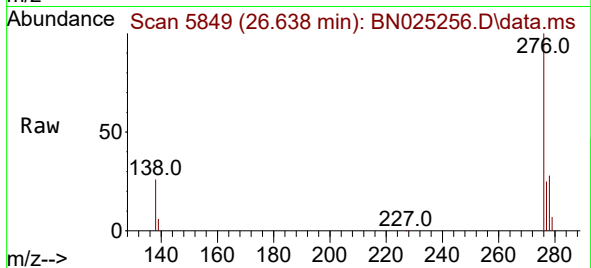
Tgt Ion:276 Resp:10875932

Ion Ratio Lower Upper

276 100

138 26.5 21.9 32.9

227 0.3 0.1 0.1#



#28

Dibenzo(a,h)anthracene

Concen: 21.592 ng/ul

RT: 26.631 min Scan# 5847

Delta R.T. 0.139 min

Lab File: BN025256.D

Acq: 04 May 2023 01:05

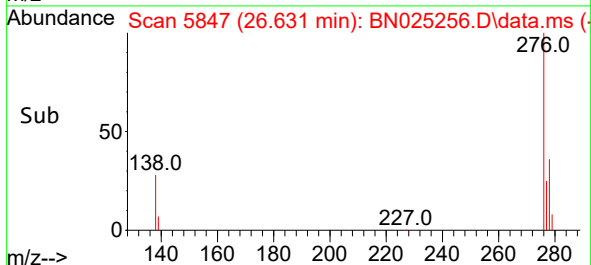
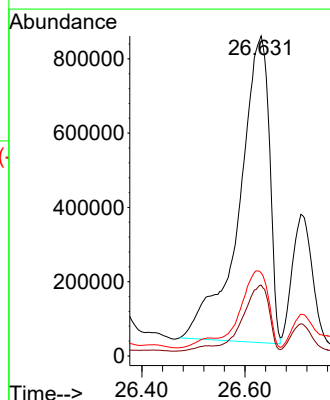
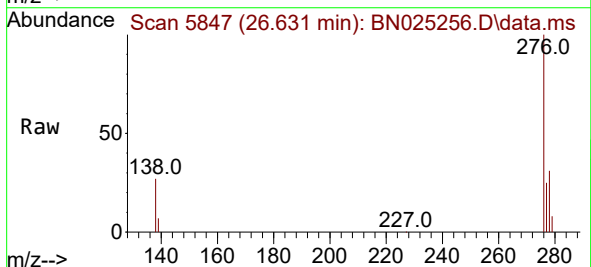
Tgt Ion:278 Resp: 3386369

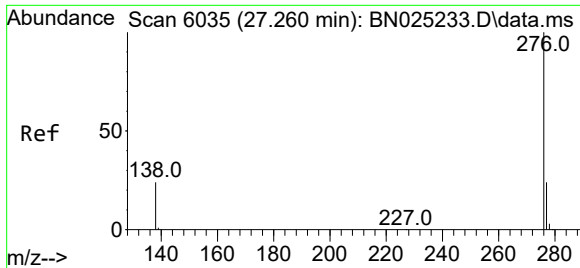
Ion Ratio Lower Upper

278 100

139 22.1 17.0 25.6

279 26.0 21.8 32.8





#29  
 Benzo(g,h,i)perylene  
 Concen: 55.151 ng/ul  
 RT: 27.440 min Scan# 6088  
 Delta R.T. 0.179 min  
 Lab File: BN025256.D  
 Acq: 04 May 2023 01:05

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EW917

Tgt Ion:276 Resp: 9415735  
 Ion Ratio Lower Upper  
 276 100  
 138 26.2 20.3 30.5  
 277 25.0 19.8 29.6

