

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071823\  
 Data File : BN026576.D  
 Acq On : 18 Jul 2023 22:57  
 Operator : MA/JU  
 Sample : PB154088BL  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

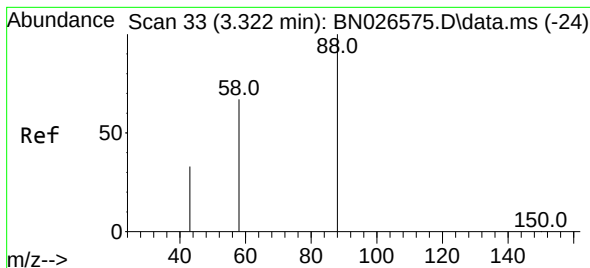
Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Jul 19 00:54:36 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN071223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 19 00:52:36 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.967  | 152  | 30       | 0.400 | ng/ul  | # 0.02   |
| 4) Naphthalene-d8           | 10.759 | 136  | 49       | 0.400 | ng/ul  | # 0.01   |
| 9) Acenaphthene-d10         | 14.584 | 164  | 48       | 0.400 | ng/ul  | # 0.00   |
| 13) Phenanthrene-d10        | 17.338 | 188  | 45       | 0.400 | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.526 | 240  | 37       | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.970 | 264  | 24       | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.276  | 96   | 9        | 0.228 | ng/ul  | -0.01    |
| 6) 2-Methylnaphthalene-d10  | 12.365 | 152  | 56       | 0.841 | ng/ul  | 0.02     |
| 18) Fluoranthene-d10        | 19.368 | 212  | 43       | 0.335 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 2) 1,4-Dioxane              | 3.377  | 88   | 8        | 0.214 | ng/ul# | 62       |
| 5) Naphthalene              | 10.814 | 128  | 13       | 0.097 | ng/ul# | 1        |
| 7) 2-Methylnaphthalene      | 12.497 | 142  | 3        | 0.039 | ng/ul  | 90       |
| 8) 1-Methylnaphthalene      | 12.689 | 142  | 3        | 0.037 | ng/ul  | 93       |
| 10) Acenaphthylene          | 14.311 | 152  | 24       | 0.102 | ng/ul# | 1        |
| 11) Acenaphthene            | 14.663 | 153  | 9        | 0.050 | ng/ul# | 69       |
| 12) Fluorene                | 15.657 | 166  | 4        | 0.021 | ng/ul# | 54       |
| 14) Pentachlorophenol       | 17.026 | 266  | 3        | 0.264 | ng/ul# | 1        |
| 15) Phenanthrene            | 17.385 | 178  | 39       | 0.272 | ng/ul# | 1        |
| 16) Anthracene              | 17.478 | 178  | 81       | 0.651 | ng/ul# | 1        |
| 19) Fluoranthene            | 19.391 | 202  | 80       | 0.461 | ng/ul# | 1        |
| 20) Pyrene                  | 19.754 | 202  | 50       | 0.265 | ng/ul# | 1        |
| 21) Benzo(a)anthracene      | 21.517 | 228  | 68       | 0.500 | ng/ul# | 1        |
| 22) Chrysene                | 21.567 | 228  | 49       | 0.317 | ng/ul# | 1        |
| 24) Benzo(b)fluoranthene    | 23.224 | 252  | 206      | 2.203 | ng/ul# | 1        |
| 25) Benzo(k)fluoranthene    | 23.271 | 252  | 32       | 0.327 | ng/ul# | 1        |
| 26) Benzo(a)pyrene          | 23.861 | 252  | 24       | 0.288 | ng/ul# | 1        |
| 27) Indeno(1,2,3-cd)pyrene  | 26.504 | 276  | 172      | 1.576 | ng/ul# | 53       |
| 28) Dibenzo(a,h)anthracene  | 26.507 | 278  | 59       | 0.705 | ng/ul# | 1        |
| 29) Benzo(g,h,i)perylene    | 27.282 | 276  | 149      | 1.547 | ng/ul# | 1        |
| -----                       |        |      |          |       |        |          |

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





#2

1,4-Dioxane

Concen: 0.214 ng/ul

RT: 3.377 min Scan# 4

Delta R.T. 0.055 min

Lab File: BN026576.D

Acq: 18 Jul 2023 22:57

Instrument :

BNA\_N

ClientSampleId :

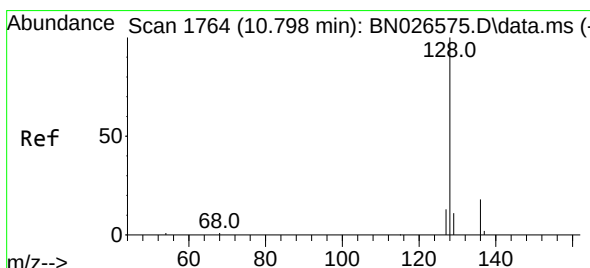
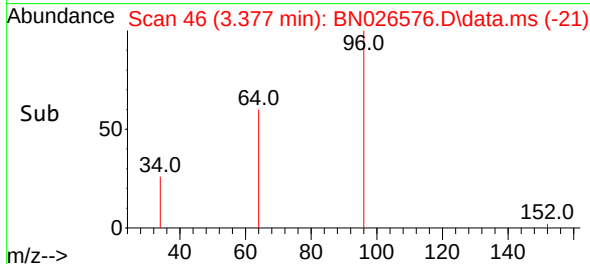
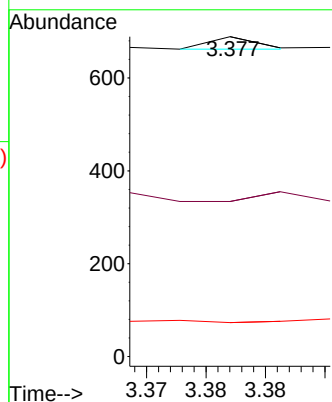
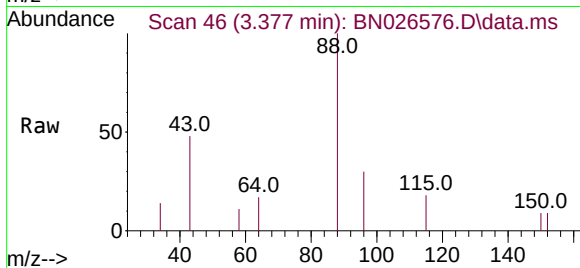
Tgt Ion: 88 Resp: 8

Ion Ratio Lower Upper

88 100

43 48.5 33.0 49.6

58 10.6 41.7 62.5#



#5

Naphthalene

Concen: 0.097 ng/ul

RT: 10.814 min Scan# 1767

Delta R.T. 0.017 min

Lab File: BN026576.D

Acq: 18 Jul 2023 22:57

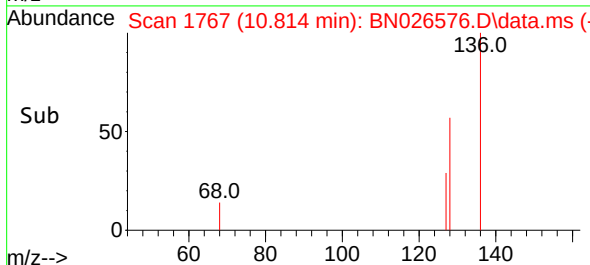
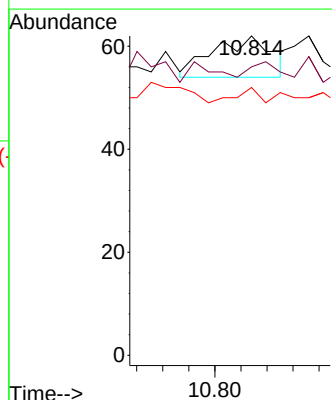
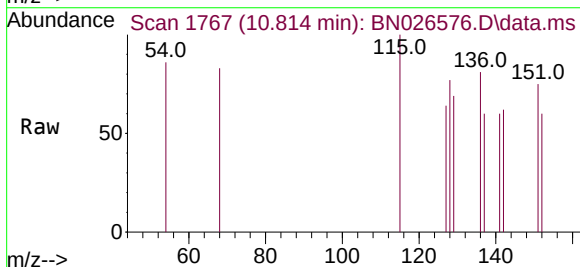
Tgt Ion:128 Resp: 13

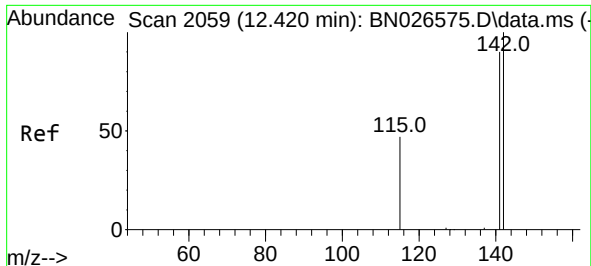
Ion Ratio Lower Upper

128 100

129 90.3 10.2 15.2#

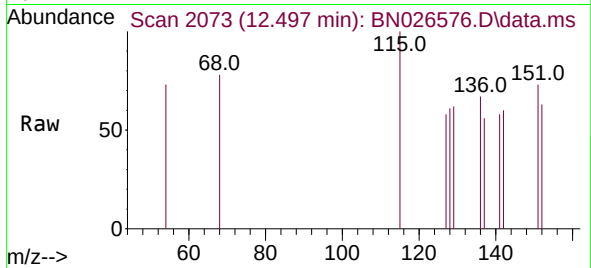
127 83.9 11.4 17.0#



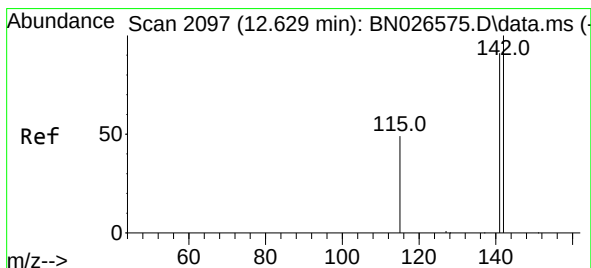
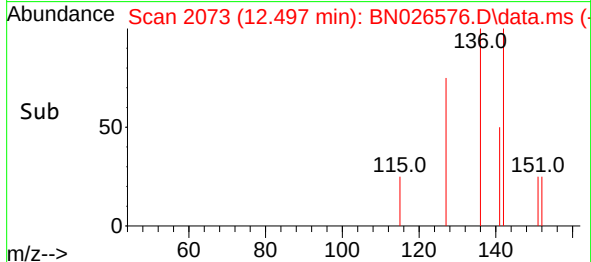
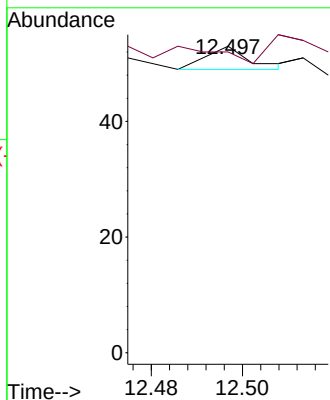


#7  
2-Methylnaphthalene  
Concen: 0.039 ng/ul  
RT: 12.497 min Scan# 2108  
Delta R.T. 0.077 min  
Lab File: BN026576.D  
Acq: 18 Jul 2023 22:57

Instrument :  
BNA\_N  
ClientSampleId :

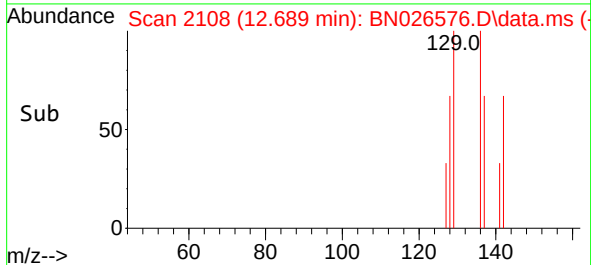
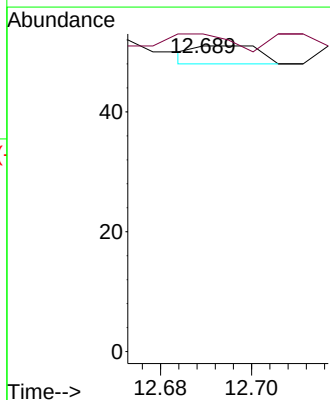
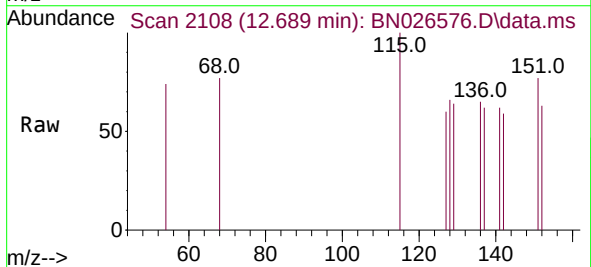


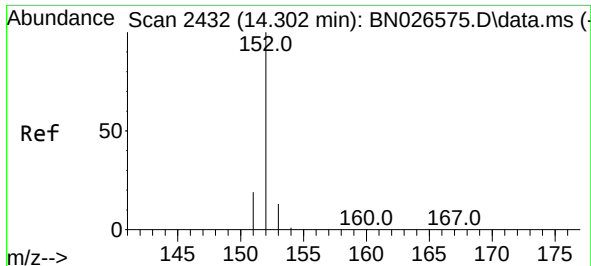
Tgt Ion:142 Resp: 3  
Ion Ratio Lower Upper  
142 100  
141 100.0 72.3 108.5



#8  
1-Methylnaphthalene  
Concen: 0.037 ng/ul  
RT: 12.689 min Scan# 2108  
Delta R.T. 0.061 min  
Lab File: BN026576.D  
Acq: 18 Jul 2023 22:57

Tgt Ion:142 Resp: 3  
Ion Ratio Lower Upper  
142 100  
141 100.0 74.5 111.7

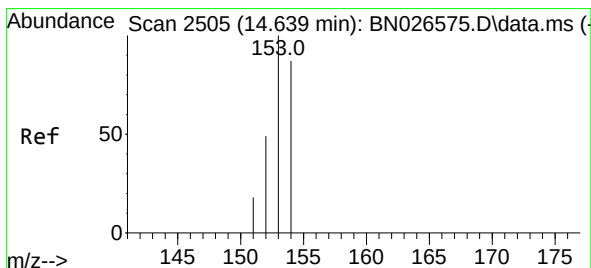
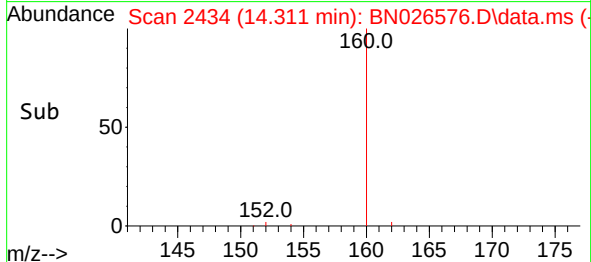
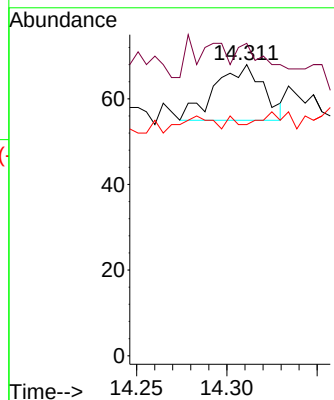
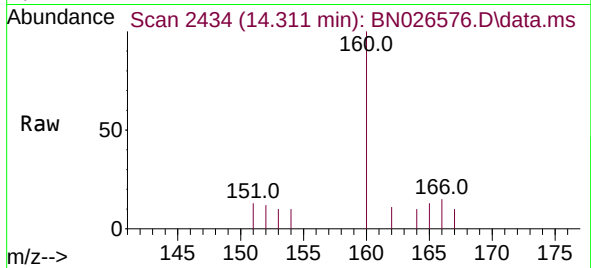




#10  
Acenaphthylene  
Concen: 0.102 ng/ul  
RT: 14.311 min Scan# 2432  
Delta R.T. 0.009 min  
Lab File: BN026576.D  
Acq: 18 Jul 2023 22:57

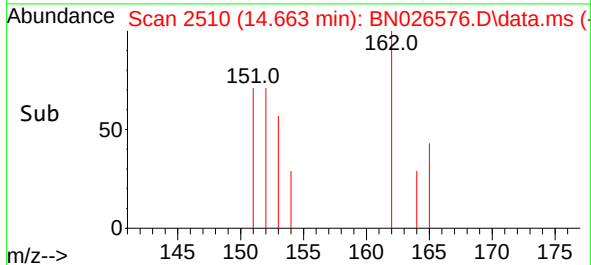
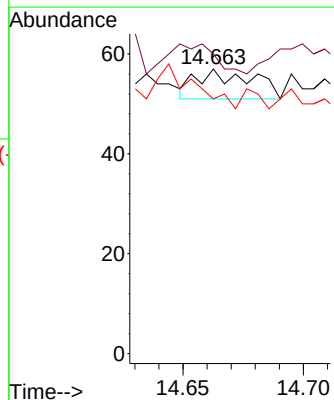
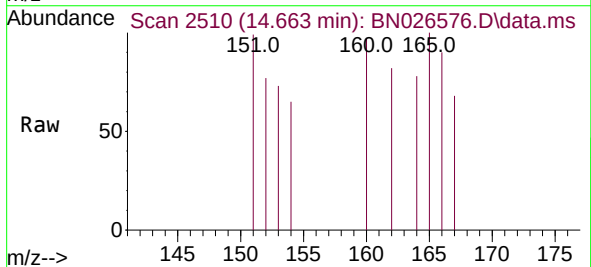
Instrument :  
BNA\_N  
ClientSampleId :

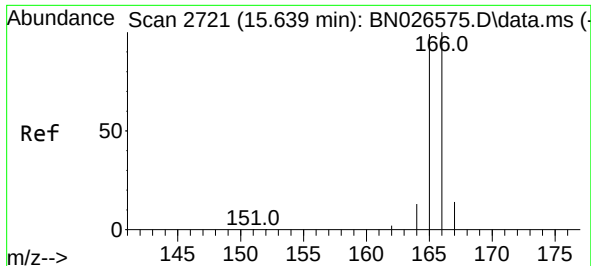
Tgt Ion:152 Resp: 24  
Ion Ratio Lower Upper  
152 100  
151 107.4 17.0 25.6#  
153 79.4 11.4 17.2#



#11  
Acenaphthene  
Concen: 0.050 ng/ul  
RT: 14.663 min Scan# 2510  
Delta R.T. 0.023 min  
Lab File: BN026576.D  
Acq: 18 Jul 2023 22:57

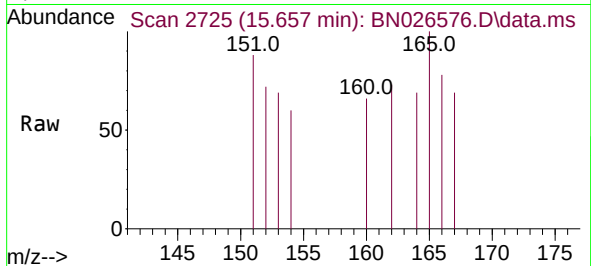
Tgt Ion:153 Resp: 9  
Ion Ratio Lower Upper  
153 100  
152 105.3 40.2 60.4#  
154 89.5 69.3 103.9



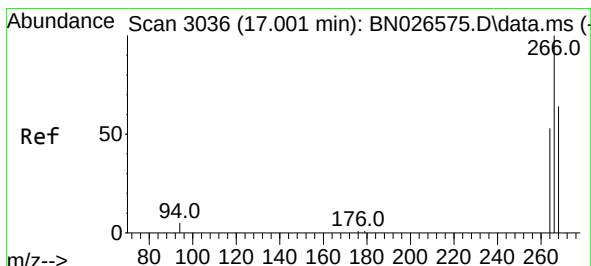
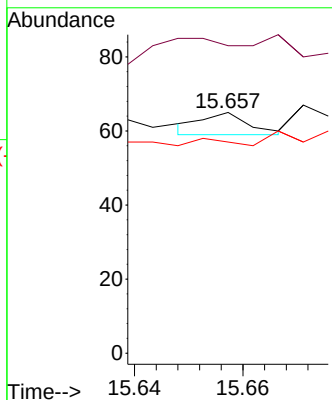
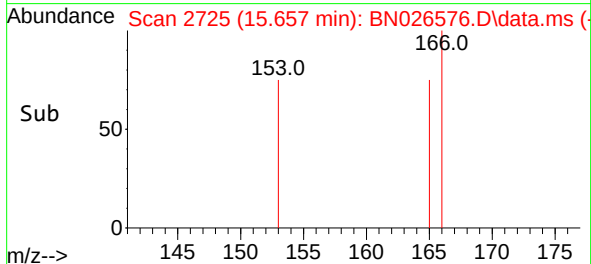


#12  
Fluorene  
Concen: 0.021 ng/ul  
RT: 15.657 min Scan# 21  
Delta R.T. 0.019 min  
Lab File: BN026576.D  
Acq: 18 Jul 2023 22:57

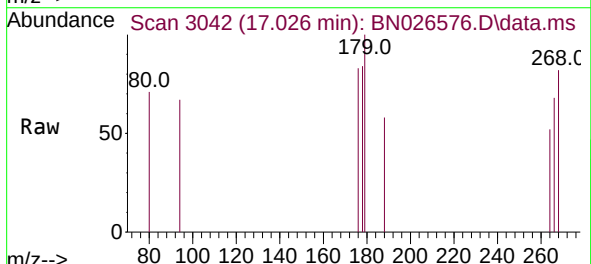
Instrument :  
BNA\_N  
ClientSampleId :



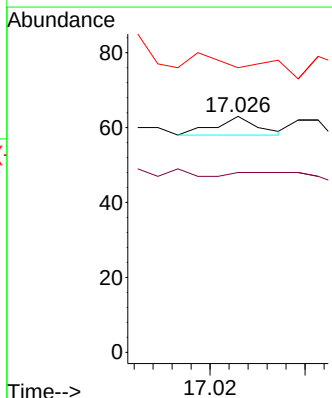
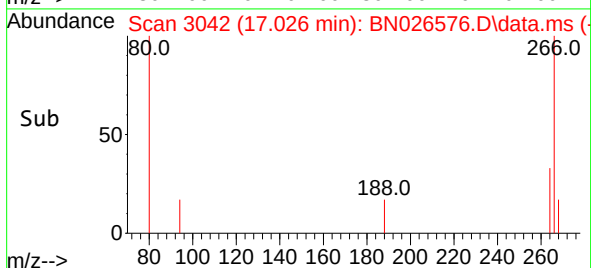
Tgt Ion:166 Resp: 4  
Ion Ratio Lower Upper  
166 100  
165 127.7 80.6 120.8#  
167 87.7 12.0 18.0#

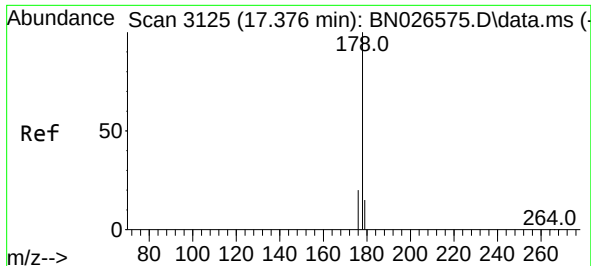


#14  
Pentachlorophenol  
Concen: 0.264 ng/ul  
RT: 17.026 min Scan# 3042  
Delta R.T. 0.025 min  
Lab File: BN026576.D  
Acq: 18 Jul 2023 22:57



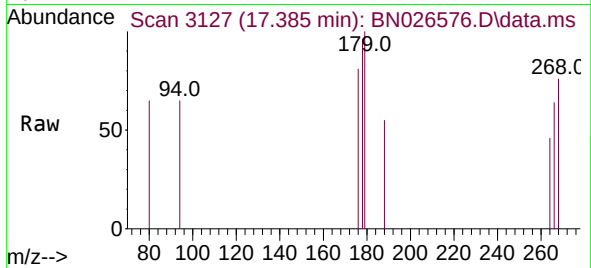
Tgt Ion:266 Resp: 3  
Ion Ratio Lower Upper  
266 100  
264 100.0 52.0 78.0#  
268 200.0 53.0 79.6#



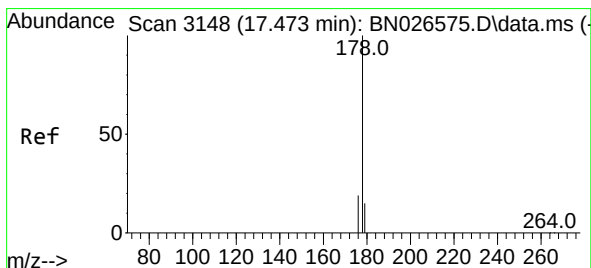
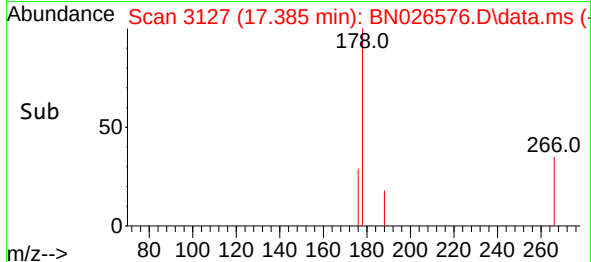
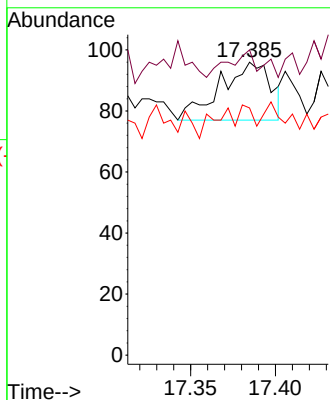


#15  
 Phenanthrene  
 Concen: 0.272 ng/ul  
 RT: 17.385 min Scan# 3125  
 Delta R.T. 0.008 min  
 Lab File: BN026576.D  
 Acq: 18 Jul 2023 22:57

Instrument :  
 BNA\_N  
 ClientSampleId :

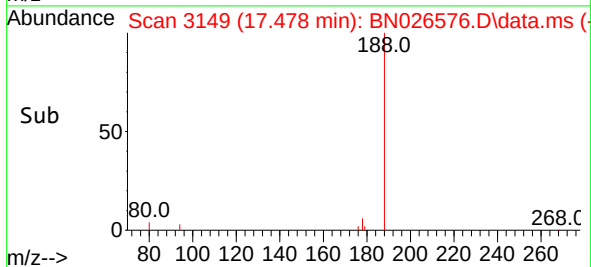
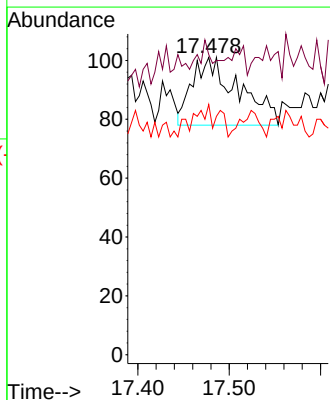
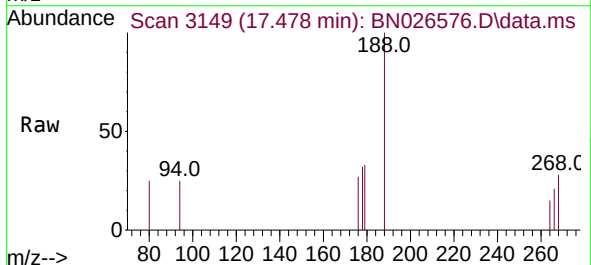


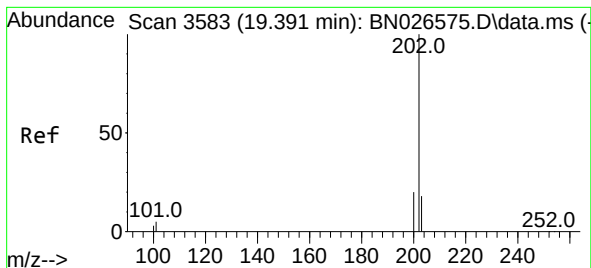
Tgt Ion:178 Resp: 39  
 Ion Ratio Lower Upper  
 178 100  
 179 104.2 13.7 20.5#  
 176 84.4 16.5 24.7#



#16  
 Anthracene  
 Concen: 0.651 ng/ul  
 RT: 17.478 min Scan# 3149  
 Delta R.T. 0.004 min  
 Lab File: BN026576.D  
 Acq: 18 Jul 2023 22:57

Tgt Ion:178 Resp: 81  
 Ion Ratio Lower Upper  
 178 100  
 179 101.0 14.8 22.2#  
 176 84.2 16.6 25.0#





#19

Fluoranthene

Concen: 0.461 ng/ul

RT: 19.391 min Scan# 3583

Delta R.T. 0.000 min

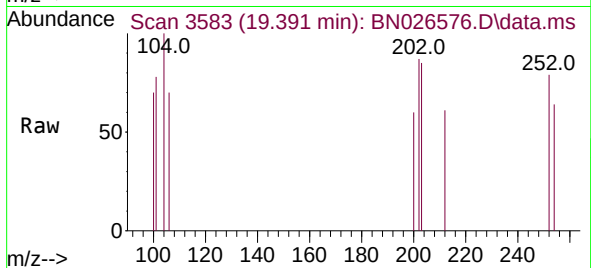
Lab File: BN026576.D

Acq: 18 Jul 2023 22:57

Instrument :

BNA\_N

ClientSampleId :



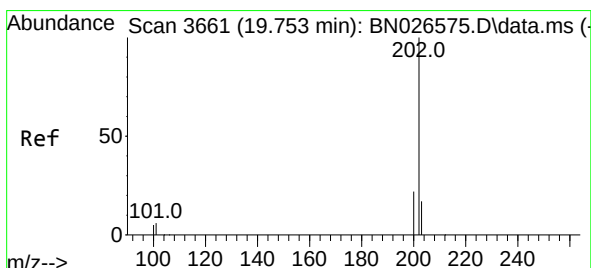
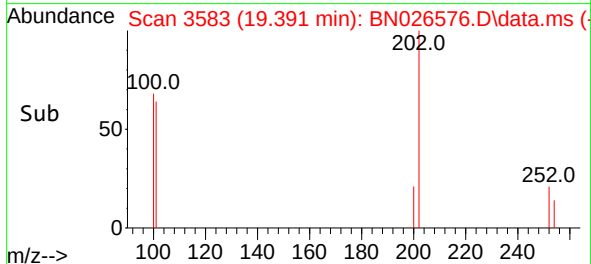
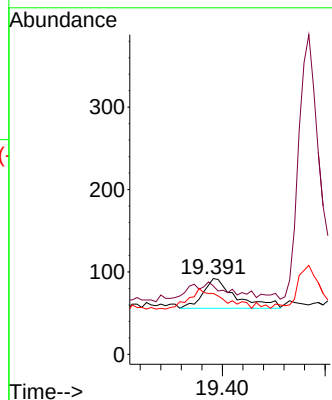
Tgt Ion:202 Resp: 80

Ion Ratio Lower Upper

202 100

101 90.2 7.0 10.4#

100 80.4 6.0 9.0#



#20

Pyrene

Concen: 0.265 ng/ul

RT: 19.754 min Scan# 3661

Delta R.T. 0.000 min

Lab File: BN026576.D

Acq: 18 Jul 2023 22:57

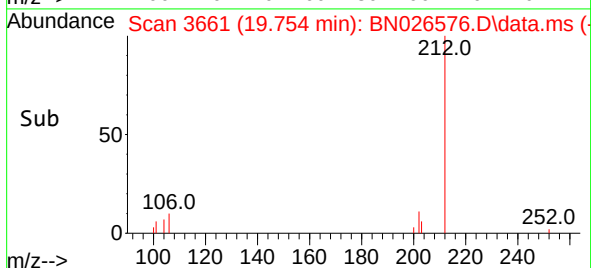
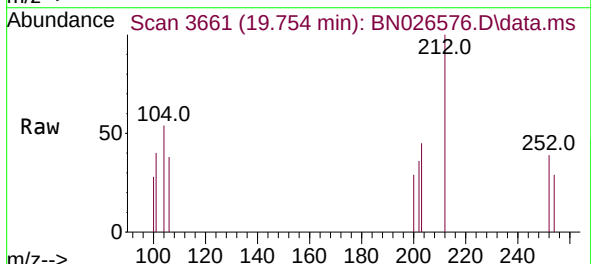
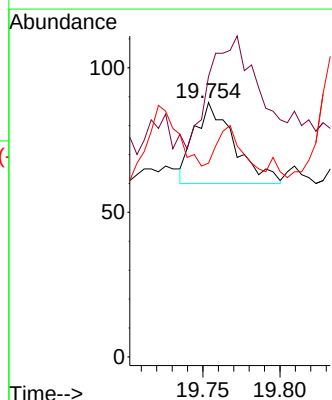
Tgt Ion:202 Resp: 50

Ion Ratio Lower Upper

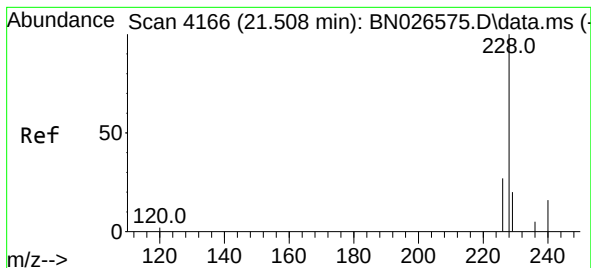
202 100

101 110.2 8.0 12.0#

100 76.1 6.2 9.2#







#21

Benzo(a)anthracene

Concen: 0.500 ng/ul

RT: 21.517 min Scan# 4169

Delta R.T. 0.009 min

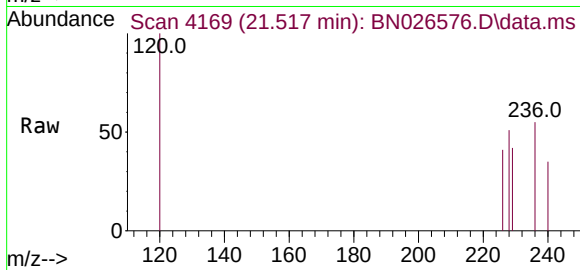
Lab File: BN026576.D

Acq: 18 Jul 2023 22:57

Instrument :

BNA\_N

ClientSampleId :



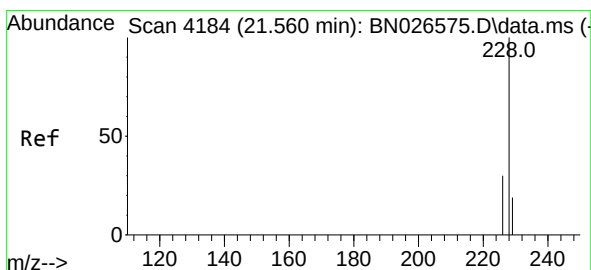
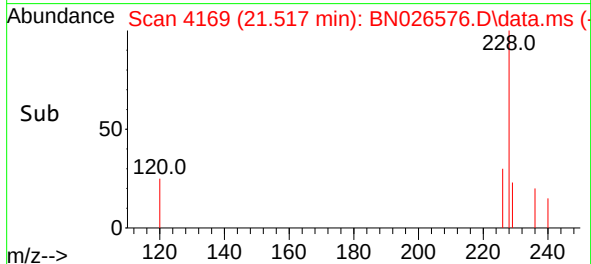
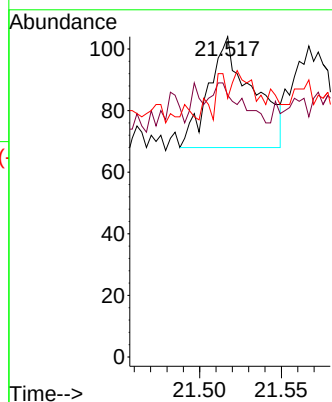
Tgt Ion:228 Resp: 68

Ion Ratio Lower Upper

228 100

229 81.7 16.7 25.1#

226 80.8 23.5 35.3#



#22

Chrysene

Concen: 0.317 ng/ul

RT: 21.567 min Scan# 4186

Delta R.T. 0.006 min

Lab File: BN026576.D

Acq: 18 Jul 2023 22:57

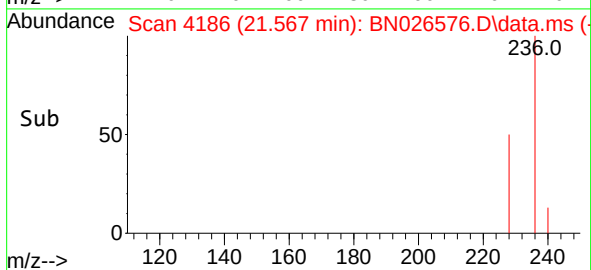
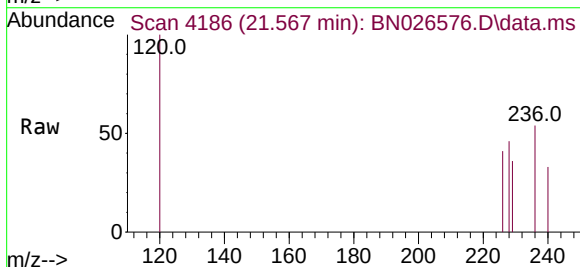
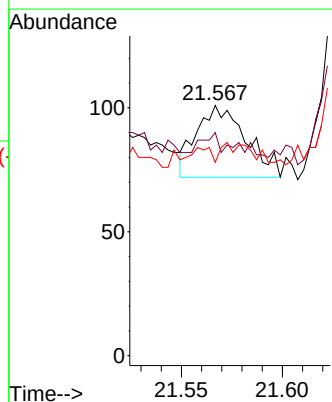
Tgt Ion:228 Resp: 49

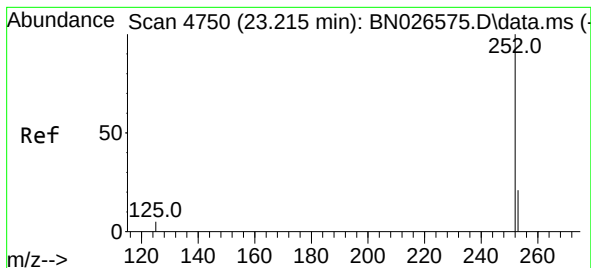
Ion Ratio Lower Upper

228 100

226 89.1 25.2 37.8#

229 77.2 16.4 24.6#





#24

Benzo(b)fluoranthene

Concen: 2.203 ng/ul

RT: 23.224 min Scan# 4753

Delta R.T. 0.009 min

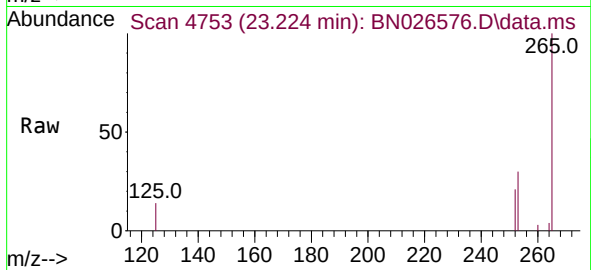
Lab File: BN026576.D

Acq: 18 Jul 2023 22:57

Instrument :

BNA\_N

ClientSampleId :



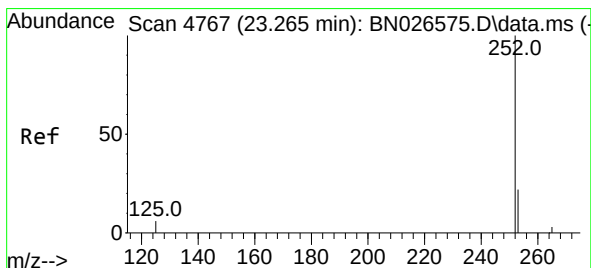
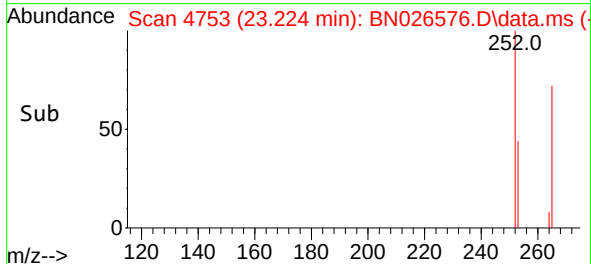
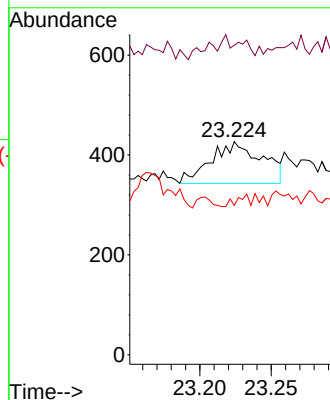
Tgt Ion:252 Resp: 206

Ion Ratio Lower Upper

252 100

253 145.2 0.0 68.6#

125 70.0 0.0 34.0#



#25

Benzo(k)fluoranthene

Concen: 0.327 ng/ul

RT: 23.271 min Scan# 4769

Delta R.T. 0.006 min

Lab File: BN026576.D

Acq: 18 Jul 2023 22:57

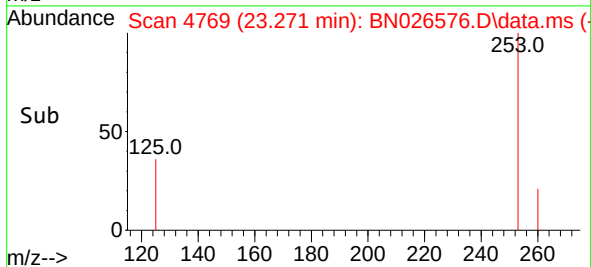
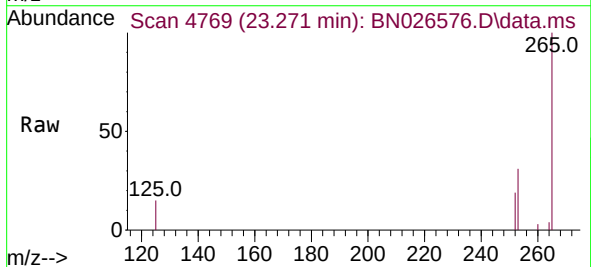
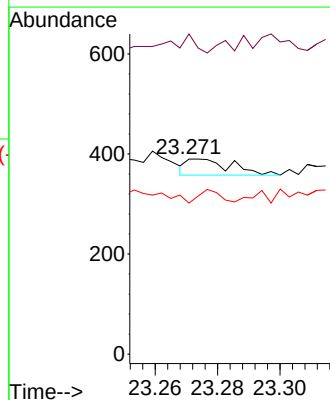
Tgt Ion:252 Resp: 32

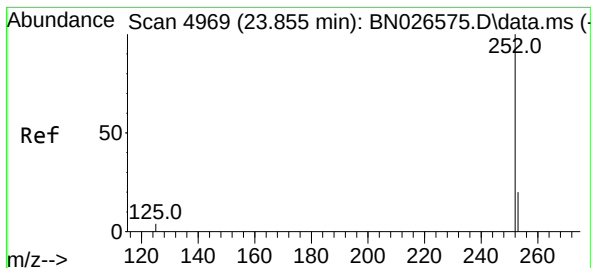
Ion Ratio Lower Upper

252 100

253 164.1 27.2 40.8#

125 77.4 13.4 20.2#





#26

Benzo(a)pyrene

Concen: 0.288 ng/ul

RT: 23.861 min Scan# 4969

Delta R.T. 0.006 min

Lab File: BN026576.D

Acq: 18 Jul 2023 22:57

Instrument :

BNA\_N

ClientSampleId :

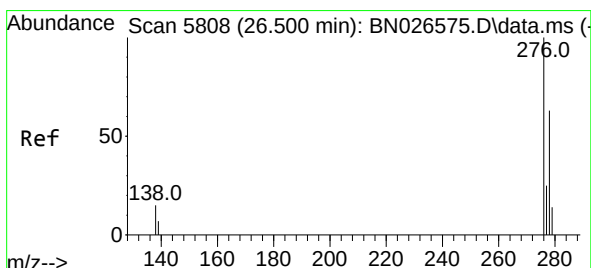
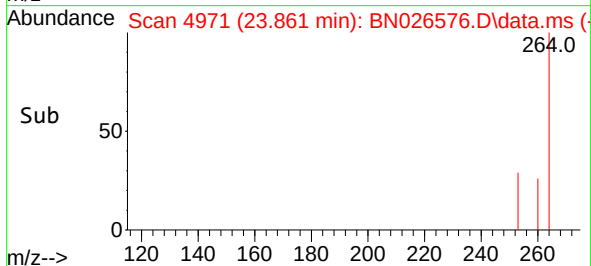
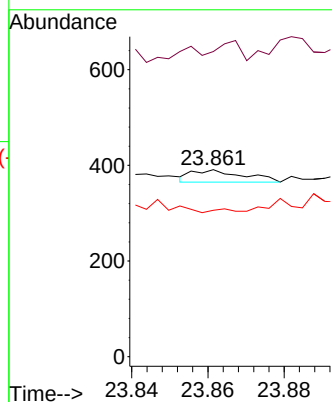
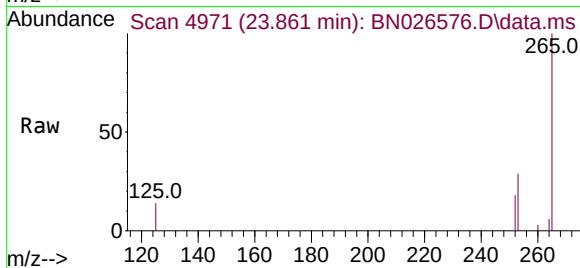
Tgt Ion:252 Resp: 24

Ion Ratio Lower Upper

252 100

253 163.2 32.6 49.0#

125 78.3 19.3 28.9#



#27

Indeno(1,2,3-cd)pyrene

Concen: 1.576 ng/ul

RT: 26.504 min Scan# 5809

Delta R.T. 0.004 min

Lab File: BN026576.D

Acq: 18 Jul 2023 22:57

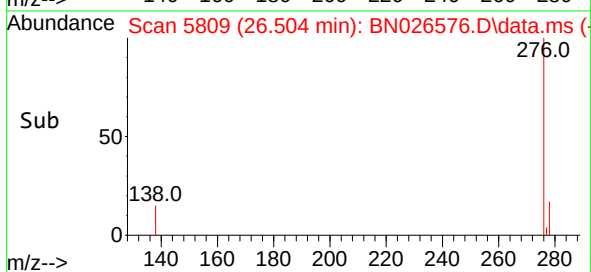
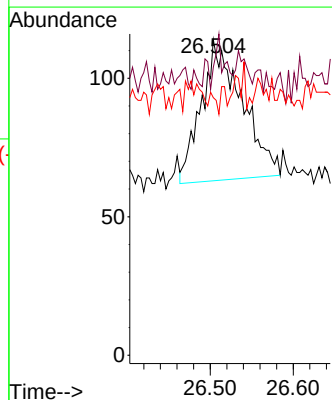
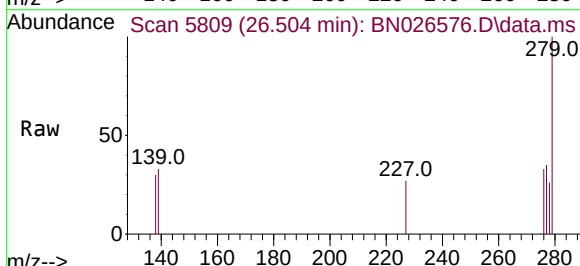
Tgt Ion:276 Resp: 172

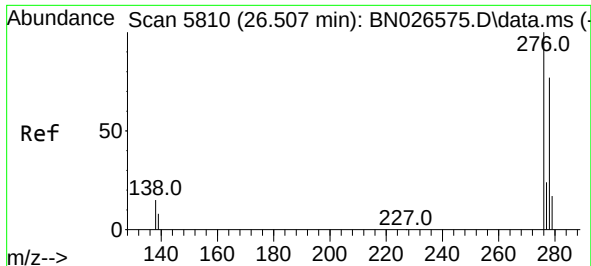
Ion Ratio Lower Upper

276 100

138 2.9 22.2 33.4#

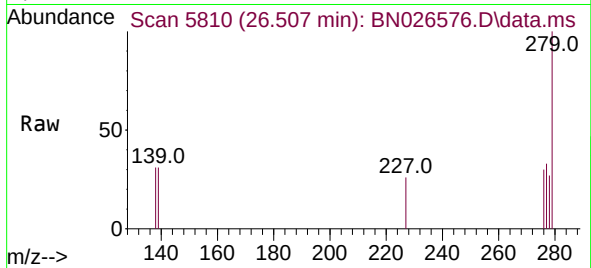
227 2.3 0.1 0.1#



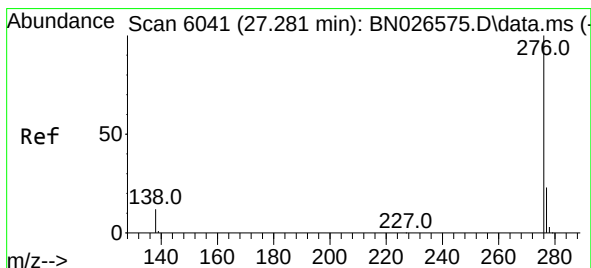
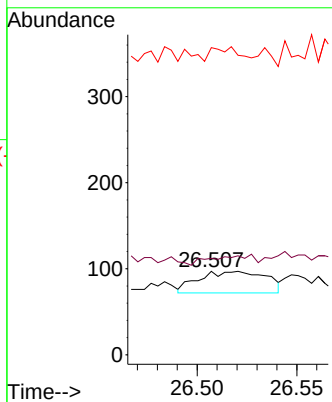
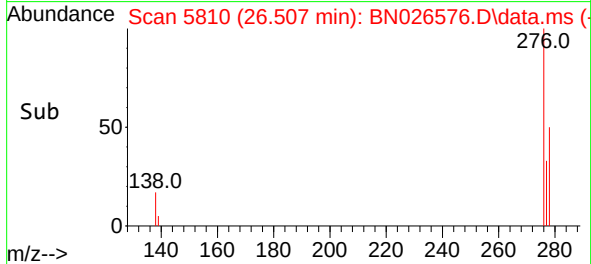


#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.705 ng/ul  
 RT: 26.507 min Scan# 5810  
 Delta R.T. 0.000 min  
 Lab File: BN026576.D  
 Acq: 18 Jul 2023 22:57

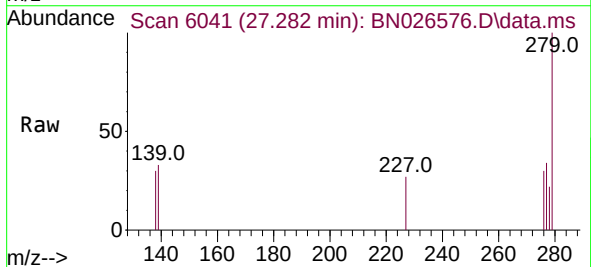
Instrument :  
 BNA\_N  
 ClientSampleId :



Tgt Ion:278 Resp: 59  
 Ion Ratio Lower Upper  
 278 100  
 139 115.5 18.9 28.3#  
 279 368.0 31.3 46.9#



#29  
 Benzo(g,h,i)perylene  
 Concen: 1.547 ng/ul  
 RT: 27.282 min Scan# 6041  
 Delta R.T. 0.000 min  
 Lab File: BN026576.D  
 Acq: 18 Jul 2023 22:57



Tgt Ion:276 Resp: 149  
 Ion Ratio Lower Upper  
 276 100  
 138 101.0 22.6 34.0#  
 277 115.8 21.8 32.8#

