

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN072323\  
 Data File : BN026695.D  
 Acq On : 24 Jul 2023 02:50  
 Operator : MA/JU  
 Sample : 03504-07  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A46W4

Quant Time: Jul 24 03:40:22 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 : Mon Jul 24 00:39:11 2023  
 Response via : Initial Calibration

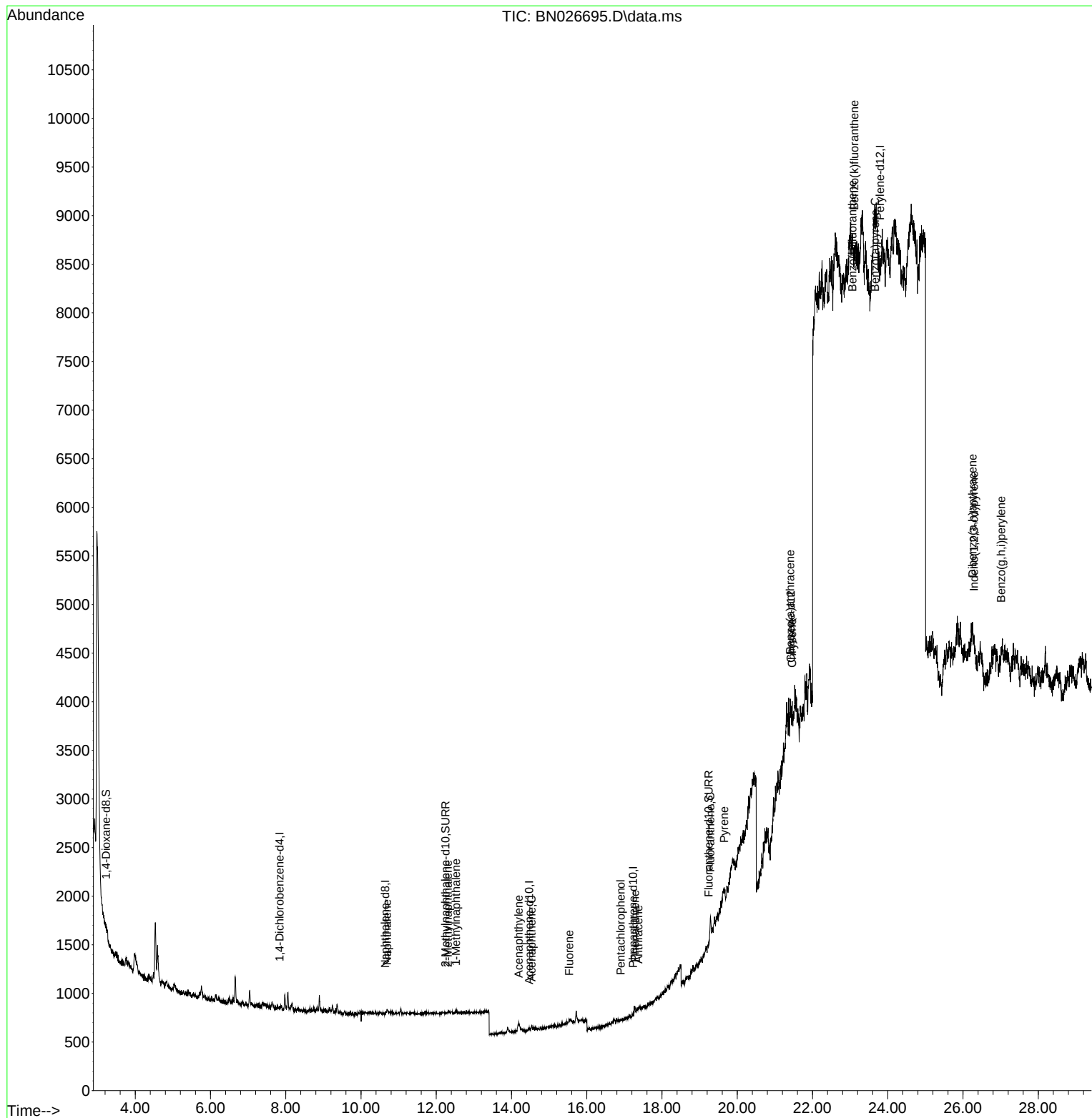
| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| -----                       |        |      |          |        |        |          |
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.836  | 152  | 12       | 0.400  | ng/ul  | # 0.00   |
| 4) Naphthalene-d8           | 10.641 | 136  | 17       | 0.400  | ng/ul  | # 0.02   |
| 9) Acenaphthene-d10         | 14.467 | 164  | 9        | 0.400  | ng/ul  | # 0.00   |
| 13) Phenanthrene-d10        | 17.232 | 188  | 46       | 0.400  | ng/ul  | # 0.02   |
| 17) Chrysene-d12            | 21.425 | 240  | 67       | 0.400  | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.796 | 264  | 6        | 0.400  | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.220  | 96   | 10       | 0.633  | ng/ul  | 0.02     |
| 6) 2-Methylnaphthalene-d10  | 12.247 | 152  | 3        | 0.130  | ng/ul  | 0.03     |
| 18) Fluoranthene-d10        | 19.241 | 212  | 5        | 0.022  | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        | Qvalue |          |
| 5) Naphthalene              | 10.696 | 128  | 125      | 2.678  | ng/ul# | 1        |
| 7) 2-Methylnaphthalene      | 12.308 | 142  | 5        | 0.189  | ng/ul# | 1        |
| 8) 1-Methylnaphthalene      | 12.528 | 142  | 44       | 1.551  | ng/ul# | 62       |
| 10) Acenaphthylene          | 14.194 | 152  | 182      | 4.130  | ng/ul# | 1        |
| 11) Acenaphthene            | 14.532 | 153  | 39       | 1.162  | ng/ul# | 76       |
| 12) Fluorene                | 15.531 | 166  | 85       | 2.413  | ng/ul# | 52       |
| 14) Pentachlorophenol       | 16.902 | 266  | 2        | 0.172  | ng/ul# | 1        |
| 15) Phenanthrene            | 17.282 | 178  | 191      | 1.304  | ng/ul# | 1        |
| 16) Anthracene              | 17.367 | 178  | 30       | 0.236  | ng/ul# | 1        |
| 19) Fluoranthene            | 19.287 | 202  | 436      | 1.388  | ng/ul# | 33       |
| 20) Pyrene                  | 19.650 | 202  | 182      | 0.534  | ng/ul# | 33       |
| 21) Benzo(a)anthracene      | 21.408 | 228  | 204      | 0.829  | ng/ul# | 1        |
| 22) Chrysene                | 21.454 | 228  | 123      | 0.439  | ng/ul# | 1        |
| 24) Benzo(b)fluoranthene    | 23.059 | 252  | 407      | 17.411 | ng/ul# | 1        |
| 25) Benzo(k)fluoranthene    | 23.109 | 252  | 74       | 3.020  | ng/ul# | 1        |
| 26) Benzo(a)pyrene          | 23.661 | 252  | 32       | 1.538  | ng/ul# | 1        |
| 27) Indeno(1,2,3-cd)pyrene  | 26.294 | 276  | 26       | 0.953  | ng/ul# | 1        |
| 28) Dibenzo(a,h)anthracene  | 26.251 | 278  | 86       | 4.109  | ng/ul# | 1        |
| 29) Benzo(g,h,i)perylene    | 27.012 | 276  | 89       | 3.697  | ng/ul# | 1        |
| -----                       |        |      |          |        |        |          |

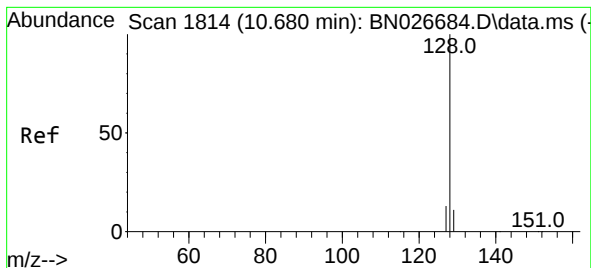
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN072323\  
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Quant Time: Jul 24 03:40:22 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 : Mon Jul 24 00:39:11 2023  
Response via : Initial Calibration





#5

Naphthalene

Concen: 2.678 ng/ul

RT: 10.696 min Scan# 1814

Delta R.T. 0.022 min

Lab File: BN026695.D

Acq: 24 Jul 2023 02:50

Instrument :

BNA\_N

ClientSampleId :

A46W4

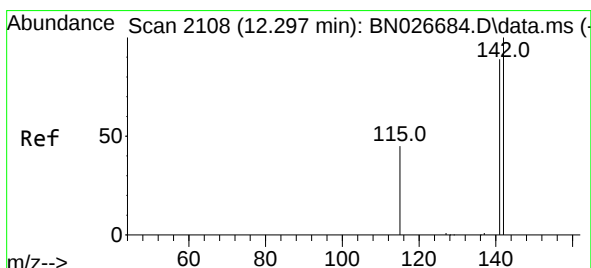
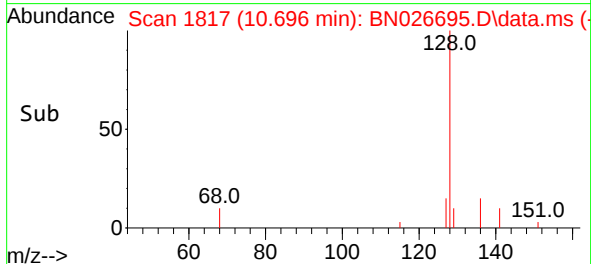
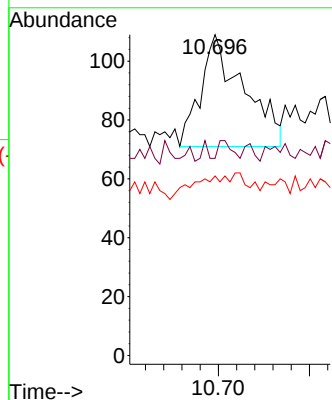
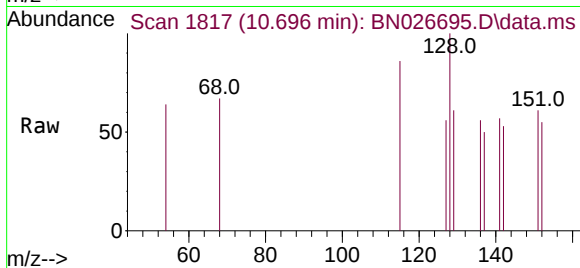
Tgt Ion:128 Resp: 125

Ion Ratio Lower Upper

128 100

129 61.5 10.2 15.2#

127 56.0 11.4 17.0#



#7

2-Methylnaphthalene

Concen: 0.189 ng/ul

RT: 12.308 min Scan# 2110

Delta R.T. 0.011 min

Lab File: BN026695.D

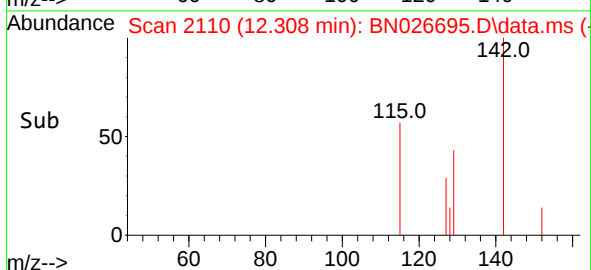
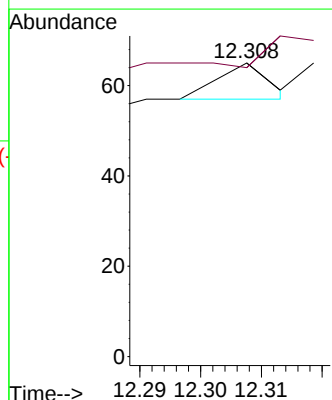
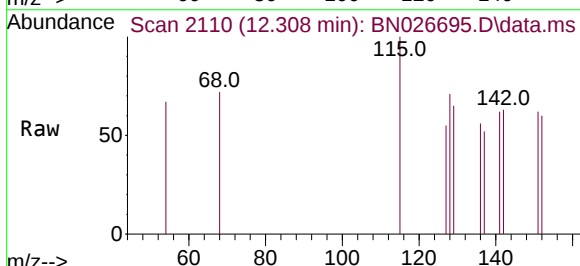
Acq: 24 Jul 2023 02:50

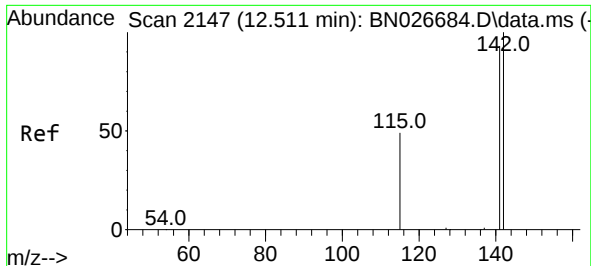
Tgt Ion:142 Resp: 5

Ion Ratio Lower Upper

142 100

141 300.0 72.3 108.5#

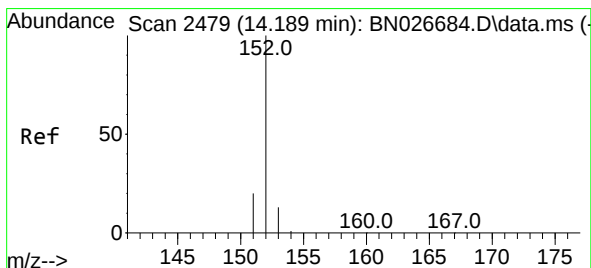
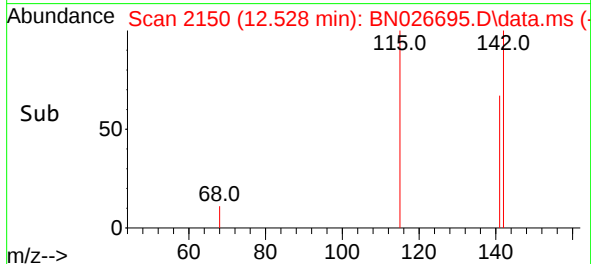
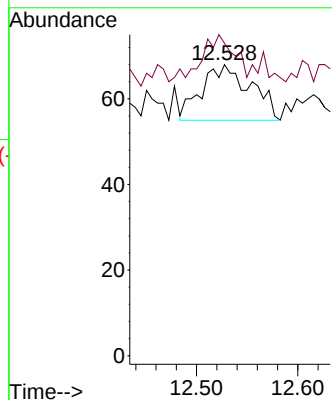
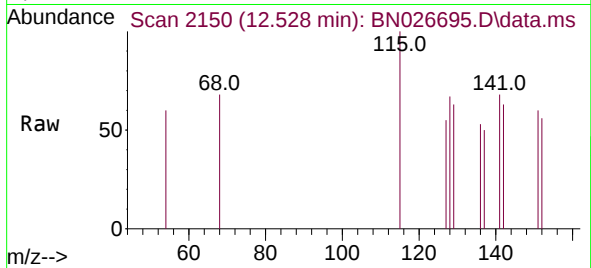




#8  
1-Methylnaphthalene  
Concen: 1.551 ng/ul  
RT: 12.528 min Scan# 2147  
Delta R.T. 0.016 min  
Lab File: BN026695.D  
Acq: 24 Jul 2023 02:50

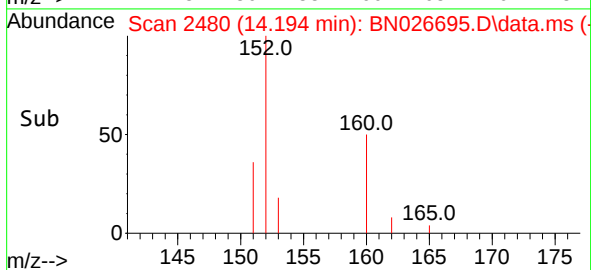
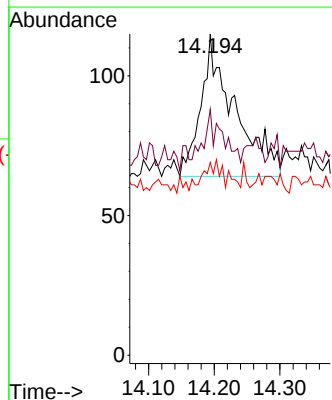
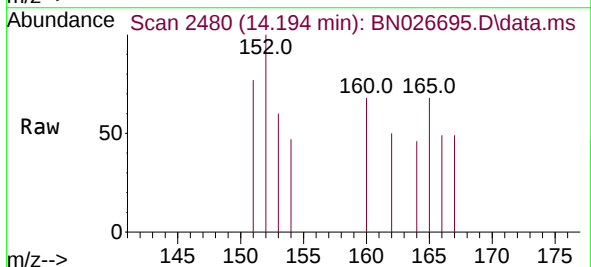
Instrument :  
BNA\_N  
ClientSampleId :  
A46W4

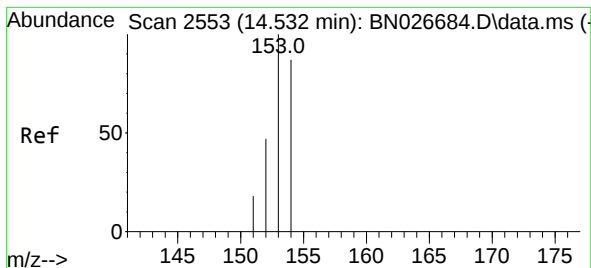
Tgt Ion:142 Resp: 44  
Ion Ratio Lower Upper  
142 100  
141 56.8 74.5 111.7#



#10  
Acenaphthylene  
Concen: 4.130 ng/ul  
RT: 14.194 min Scan# 2480  
Delta R.T. 0.005 min  
Lab File: BN026695.D  
Acq: 24 Jul 2023 02:50

Tgt Ion:152 Resp: 182  
Ion Ratio Lower Upper  
152 100  
151 76.5 17.0 25.6#  
153 60.0 11.4 17.2#





#11

Acenaphthene

Concen: 1.162 ng/ul

RT: 14.532 min Scan# 2553

Delta R.T. 0.004 min

Lab File: BN026695.D

Acq: 24 Jul 2023 02:50

Instrument :

BNA\_N

ClientSampleId :

A46W4

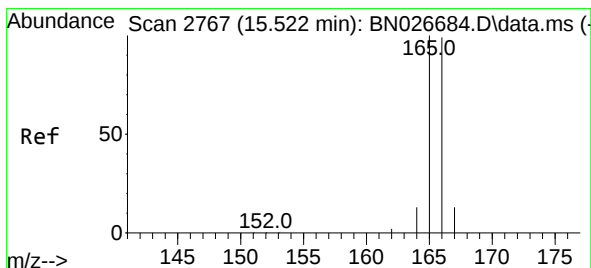
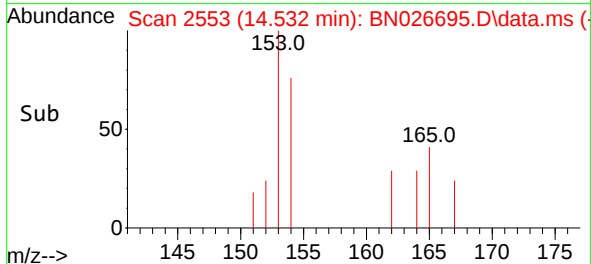
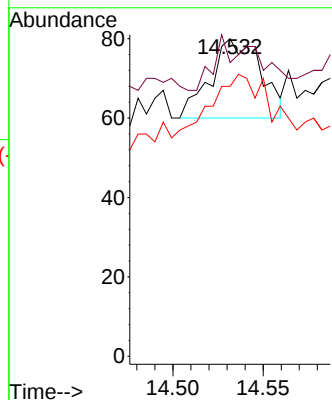
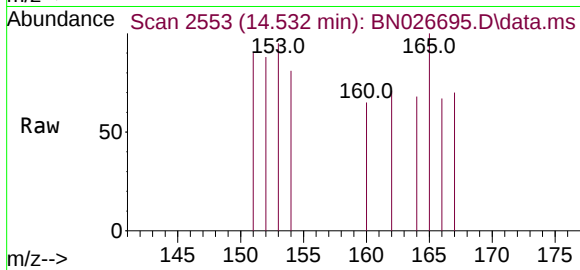
Tgt Ion:153 Resp: 39

Ion Ratio Lower Upper

153 100

152 92.5 40.2 60.4#

154 85.0 69.3 103.9



#12

Fluorene

Concen: 2.413 ng/ul

RT: 15.531 min Scan# 2769

Delta R.T. 0.014 min

Lab File: BN026695.D

Acq: 24 Jul 2023 02:50

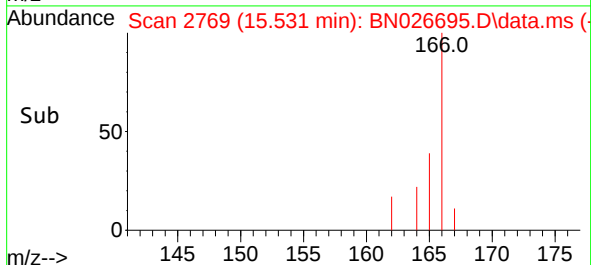
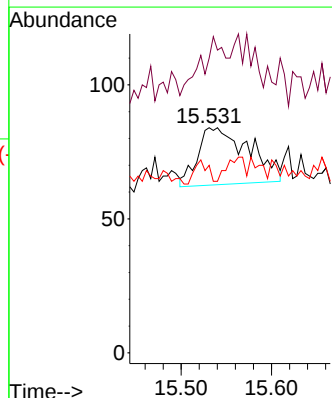
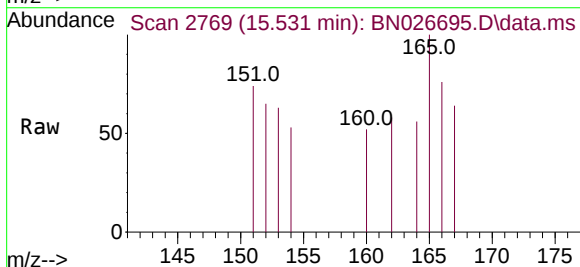
Tgt Ion:166 Resp: 85

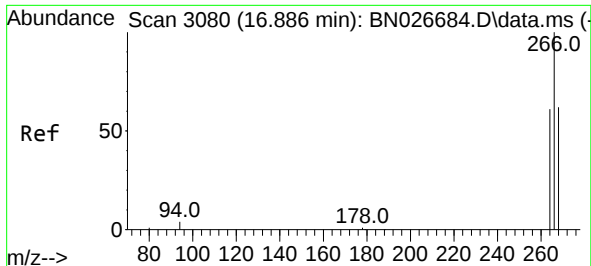
Ion Ratio Lower Upper

166 100

165 131.0 80.6 120.8#

167 83.3 12.0 18.0#

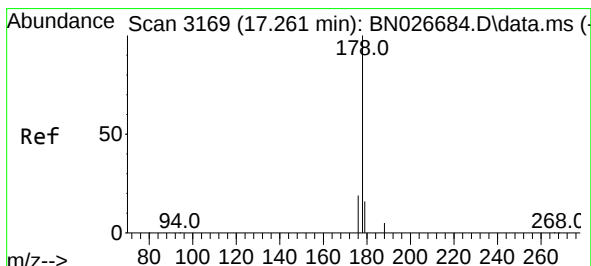
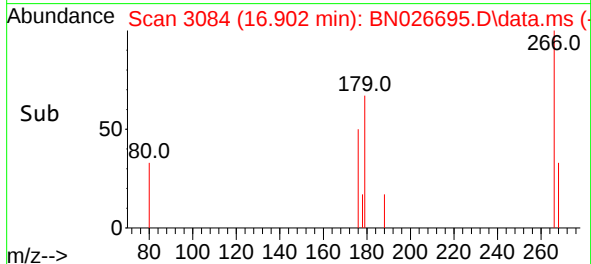
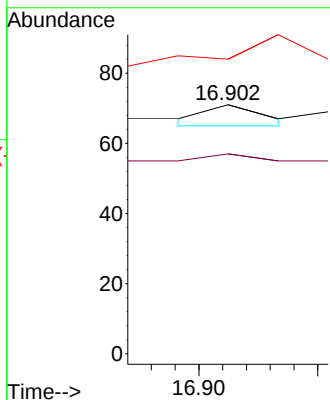
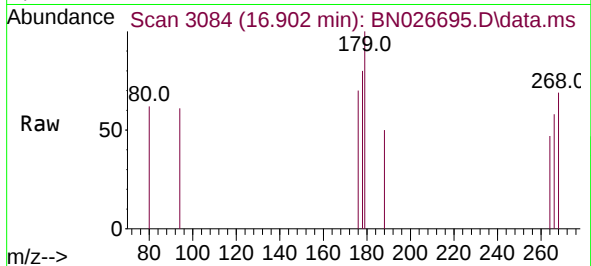




#14  
Pentachlorophenol  
Concen: 0.172 ng/ul  
RT: 16.902 min Scan# 3080  
Delta R.T. 0.021 min  
Lab File: BN026695.D  
Acq: 24 Jul 2023 02:50

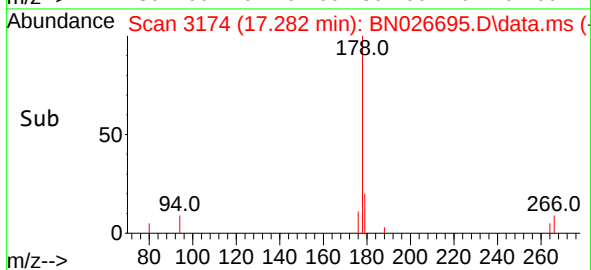
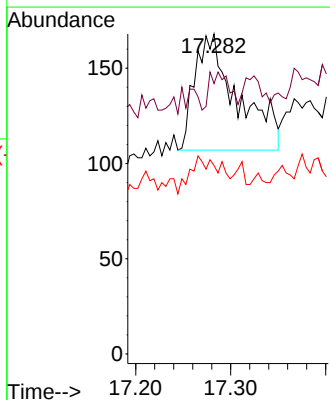
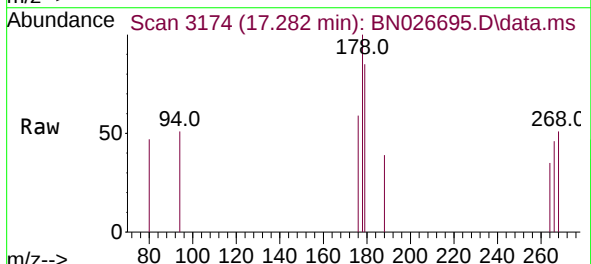
Instrument :  
BNA\_N  
ClientSampleId :  
A46W4

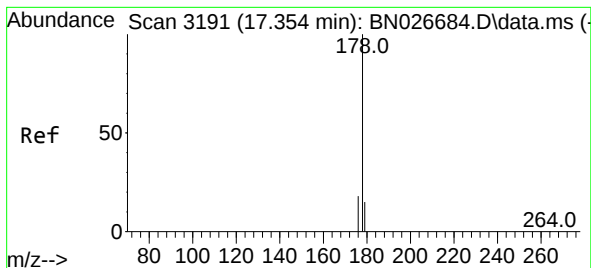
Tgt Ion:266 Resp: 2  
Ion Ratio Lower Upper  
266 100  
264 0.0 52.0 78.0#  
268 450.0 53.0 79.6#



#15  
Phenanthrene  
Concen: 1.304 ng/ul  
RT: 17.282 min Scan# 3174  
Delta R.T. 0.025 min  
Lab File: BN026695.D  
Acq: 24 Jul 2023 02:50

Tgt Ion:178 Resp: 191  
Ion Ratio Lower Upper  
178 100  
179 84.5 13.7 20.5#  
176 58.9 16.5 24.7#





#16

Anthracene

Concen: 0.236 ng/ul

RT: 17.367 min Scan# 3191

Delta R.T. 0.017 min

Lab File: BN026695.D

Acq: 24 Jul 2023 02:50

Instrument :

BNA\_N

ClientSampleId :

A46W4

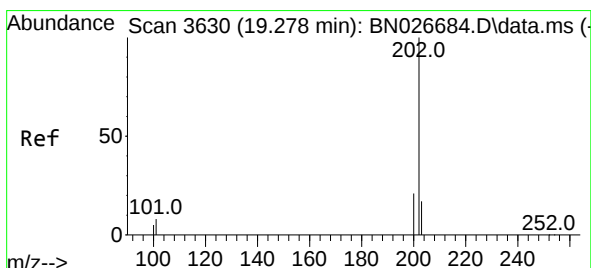
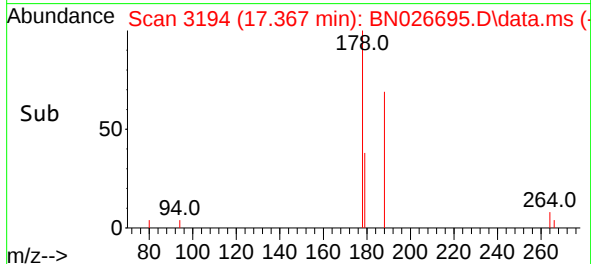
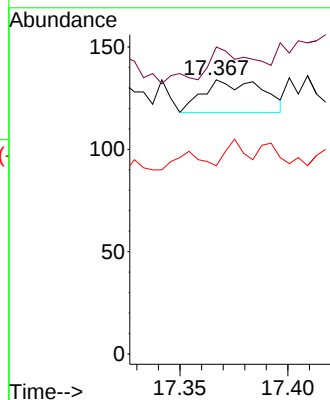
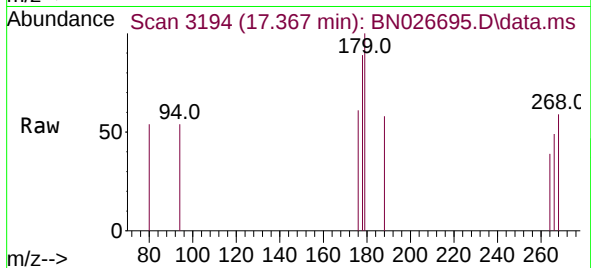
Tgt Ion:178 Resp: 30

Ion Ratio Lower Upper

178 100

179 111.9 14.8 22.2#

176 68.7 16.6 25.0#



#19

Fluoranthene

Concen: 1.388 ng/ul

RT: 19.287 min Scan# 3632

Delta R.T. 0.009 min

Lab File: BN026695.D

Acq: 24 Jul 2023 02:50

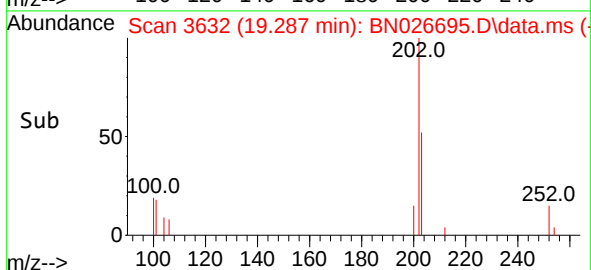
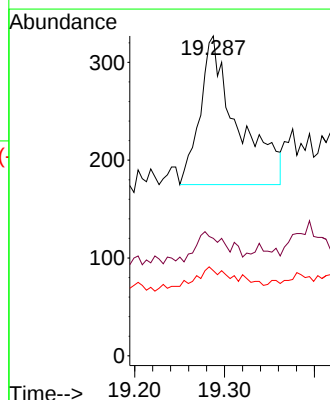
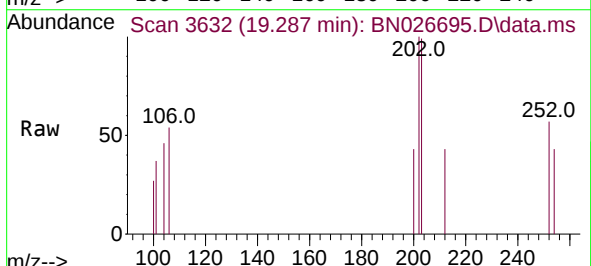
Tgt Ion:202 Resp: 436

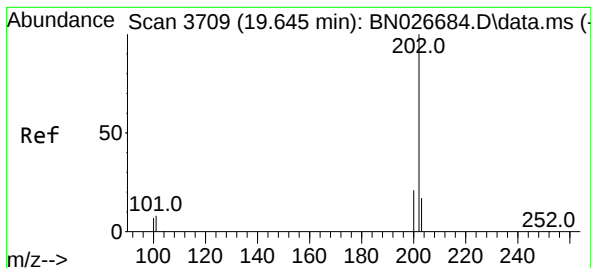
Ion Ratio Lower Upper

202 100

101 36.7 7.0 10.4#

100 26.6 6.0 9.0#





#20

Pyrene

Concen: 0.534 ng/ul

RT: 19.650 min Scan# 31

Delta R.T. 0.005 min

Lab File: BN026695.D

Acq: 24 Jul 2023 02:50

Instrument :

BNA\_N

ClientSampleId :

A46W4

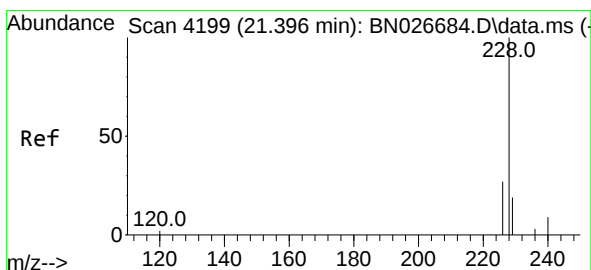
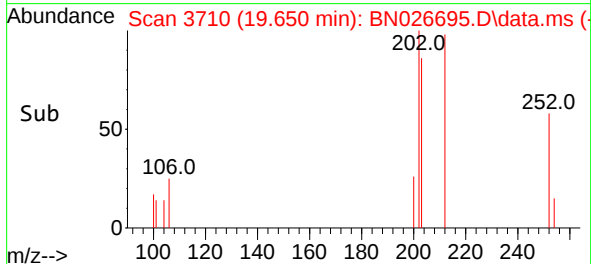
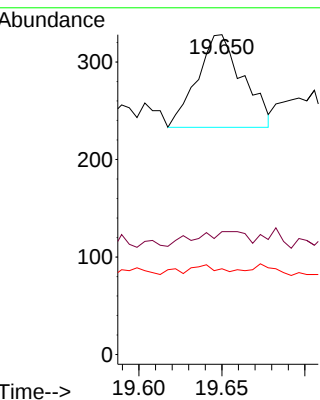
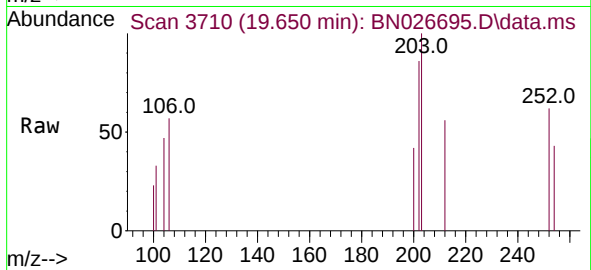
Tgt Ion:202 Resp: 182

Ion Ratio Lower Upper

202 100

101 38.4 8.0 12.0#

100 26.8 6.2 9.2#



#21

Benzo(a)anthracene

Concen: 0.829 ng/ul

RT: 21.408 min Scan# 4203

Delta R.T. 0.006 min

Lab File: BN026695.D

Acq: 24 Jul 2023 02:50

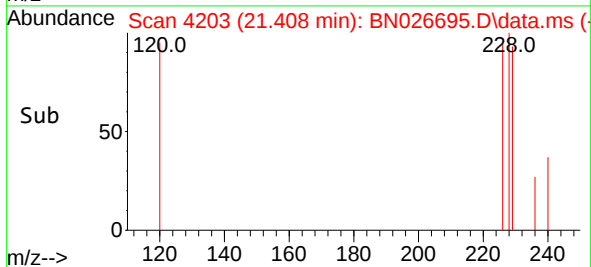
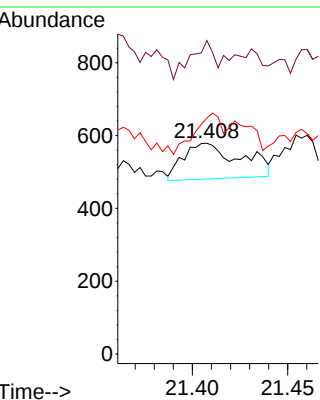
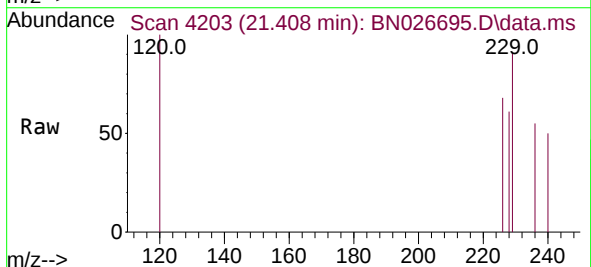
Tgt Ion:228 Resp: 204

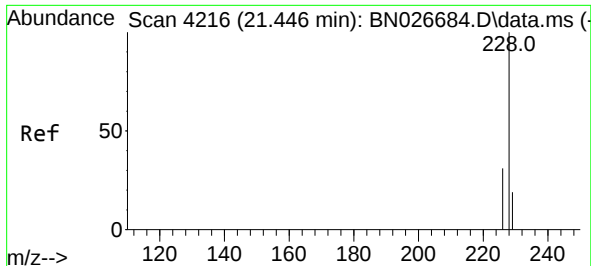
Ion Ratio Lower Upper

228 100

229 148.7 16.7 25.1#

226 111.9 23.5 35.3#





#22

Chrysene

Concen: 0.439 ng/ul

RT: 21.454 min Scan# 4219

Delta R.T. -0.000 min

Lab File: BN026695.D

Acq: 24 Jul 2023 02:50

Instrument :

BNA\_N

ClientSampleId :

A46W4

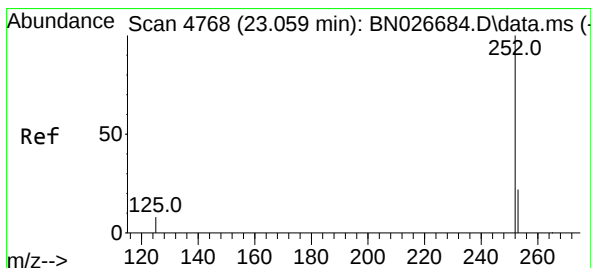
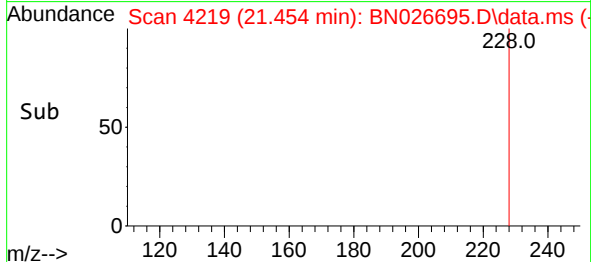
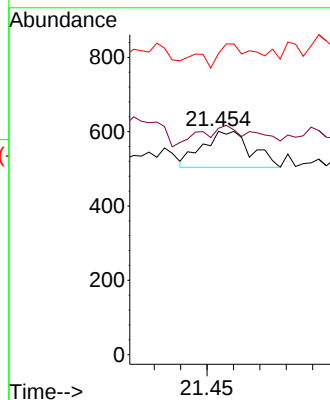
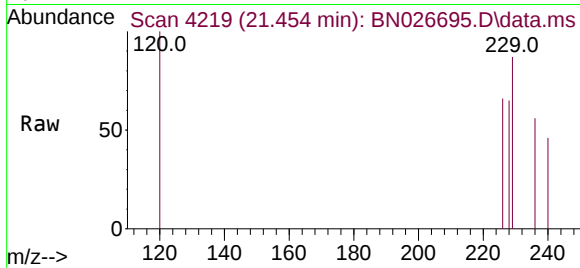
Tgt Ion:228 Resp: 123

Ion Ratio Lower Upper

228 100

226 101.3 25.2 37.8#

229 134.8 16.4 24.6#



#24

Benzo(b)fluoranthene

Concen: 17.411 ng/ul

RT: 23.059 min Scan# 4768

Delta R.T. -0.009 min

Lab File: BN026695.D

Acq: 24 Jul 2023 02:50

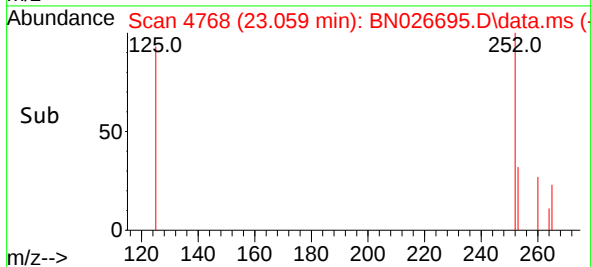
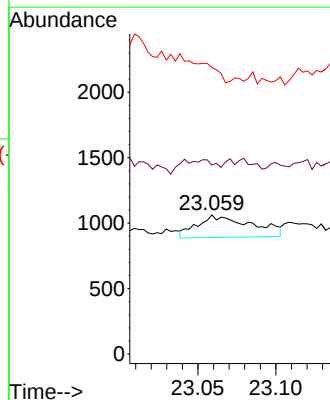
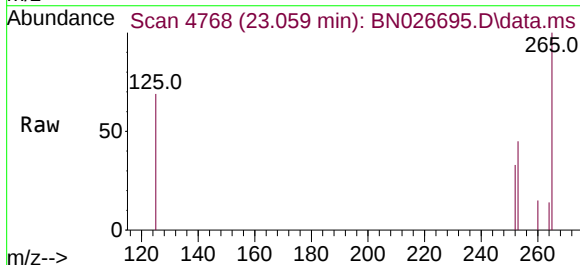
Tgt Ion:252 Resp: 407

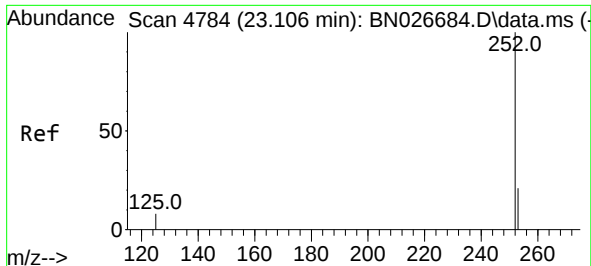
Ion Ratio Lower Upper

252 100

253 135.7 0.0 68.6#

125 205.8 0.0 34.0#

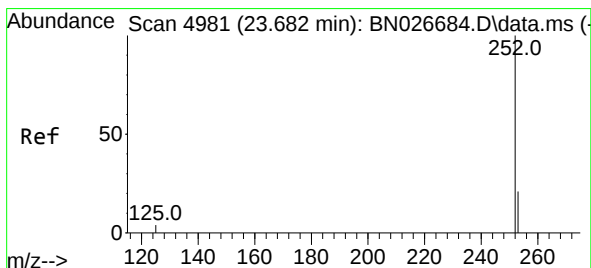
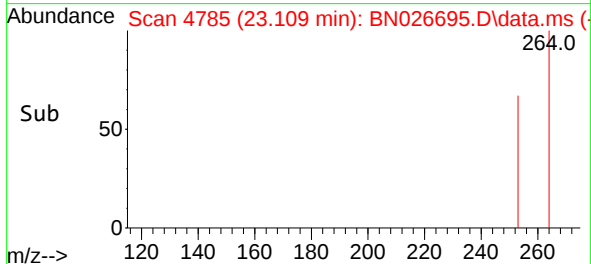
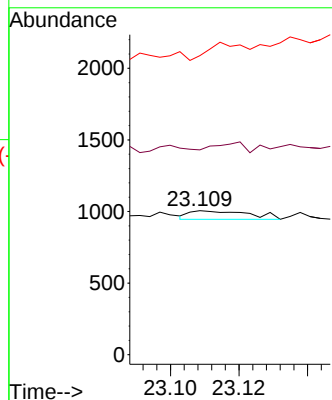
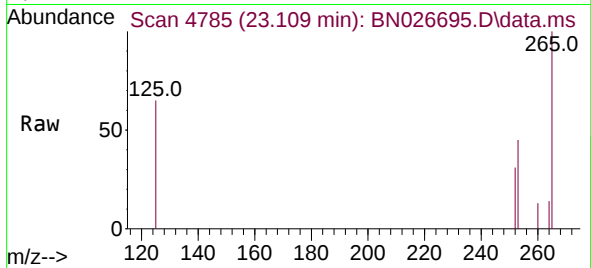




#25  
Benzo(k)fluoranthene  
Concen: 3.020 ng/ul  
RT: 23.109 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: BN026695.D  
Acq: 24 Jul 2023 02:50

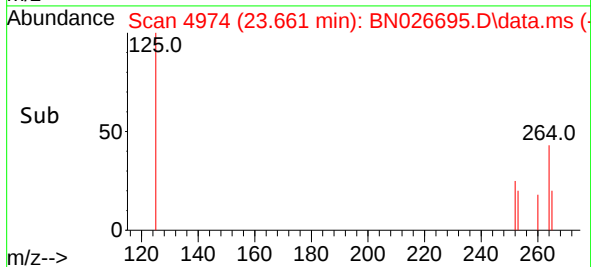
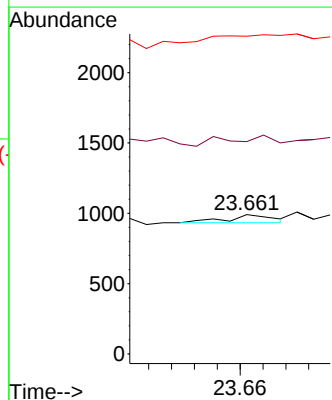
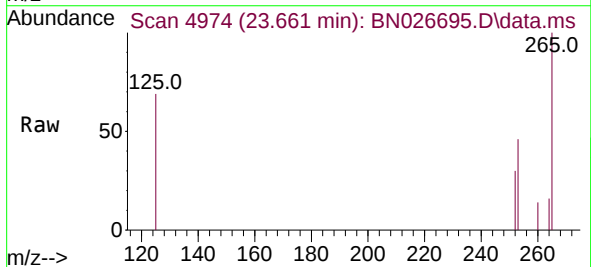
Instrument :  
BNA\_N  
ClientSampleId :  
A46W4

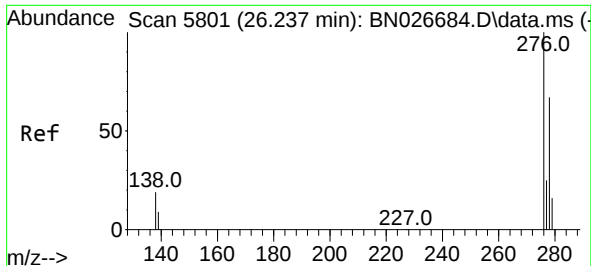
Tgt Ion:252 Resp: 74  
Ion Ratio Lower Upper  
252 100  
253 142.1 27.2 40.8#  
125 207.7 13.4 20.2#



#26  
Benzo(a)pyrene  
Concen: 1.538 ng/ul  
RT: 23.661 min Scan# 4974  
Delta R.T. -0.024 min  
Lab File: BN026695.D  
Acq: 24 Jul 2023 02:50

Tgt Ion:252 Resp: 32  
Ion Ratio Lower Upper  
252 100  
253 152.4 32.6 49.0#  
125 228.0 19.3 28.9#

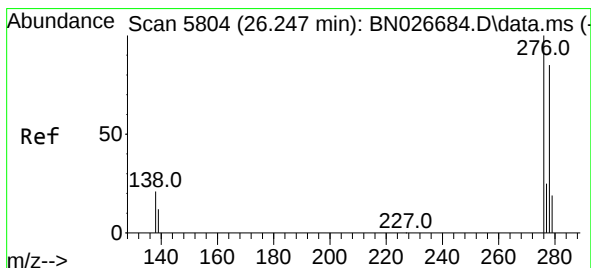
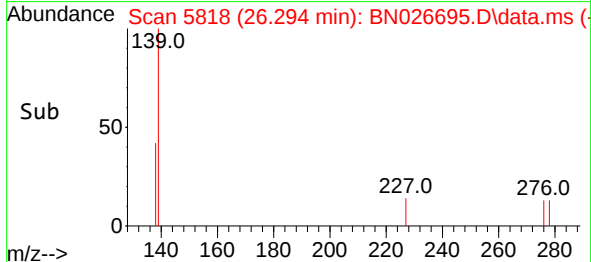
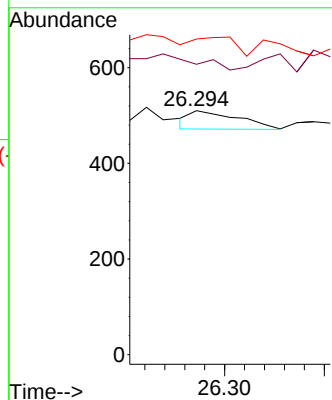
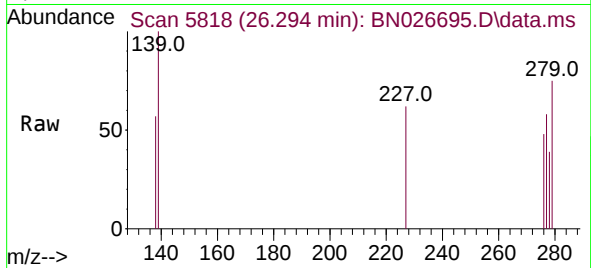




#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.953 ng/ul  
 RT: 26.294 min Scan# 5818  
 Delta R.T. 0.043 min  
 Lab File: BN026695.D  
 Acq: 24 Jul 2023 02:50

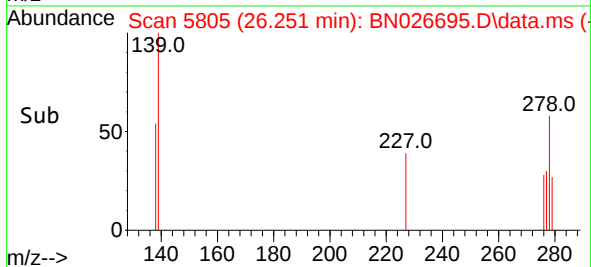
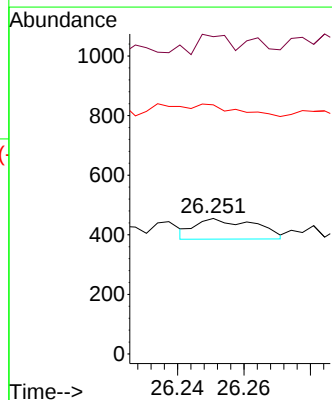
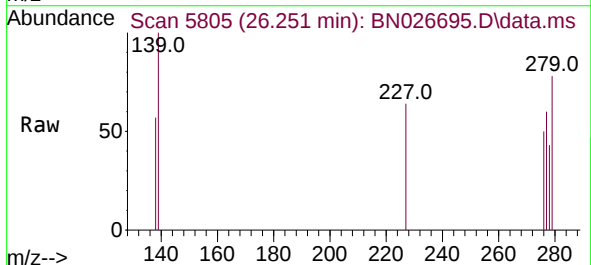
Instrument :  
 BNA\_N  
 ClientSampleId :  
 A46W4

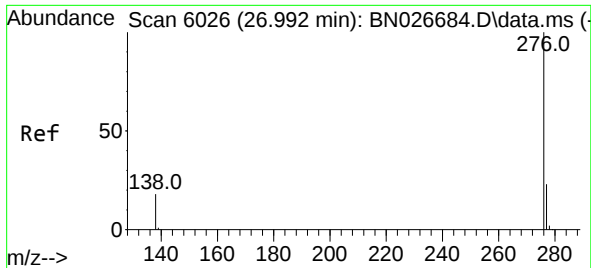
Tgt Ion:276 Resp: 26  
 Ion Ratio Lower Upper  
 276 100  
 138 184.6 22.2 33.4#  
 227 200.0 0.1 0.1#



#28  
 Dibenzo(a,h)anthracene  
 Concen: 4.109 ng/ul  
 RT: 26.251 min Scan# 5805  
 Delta R.T. -0.007 min  
 Lab File: BN026695.D  
 Acq: 24 Jul 2023 02:50

Tgt Ion:278 Resp: 86  
 Ion Ratio Lower Upper  
 278 100  
 139 234.1 18.9 28.3#  
 279 183.7 31.3 46.9#





#29

Benzo(g,h,i)perylene

Concen: 3.697 ng/ul

RT: 27.012 min Scan# 60

Delta R.T. 0.010 min

Lab File: BN026695.D

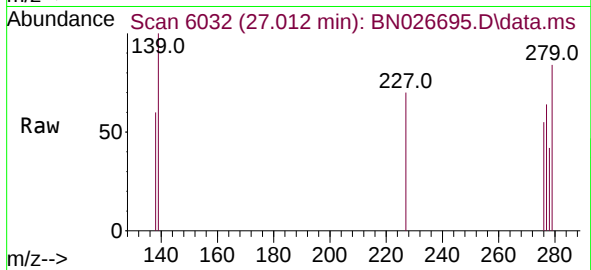
Acq: 24 Jul 2023 02:50

Instrument :

BNA\_N

ClientSampleId :

A46W4



Tgt Ion:276 Resp: 89

Ion Ratio Lower Upper

276 100

138 108.9 22.6 34.0#

277 116.3 21.8 32.8#

