

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021419\  
 Data File : BN004422.D  
 Acq On : 14 Feb 2019 16:15  
 Operator : JU/SJ  
 Sample : MDL-W-07  
 Misc : 0.07 PPM  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-W-07

Quant Time: Feb 14 16:48:59 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN021119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 11 14:04:55 2019  
 Response via : Initial Calibration

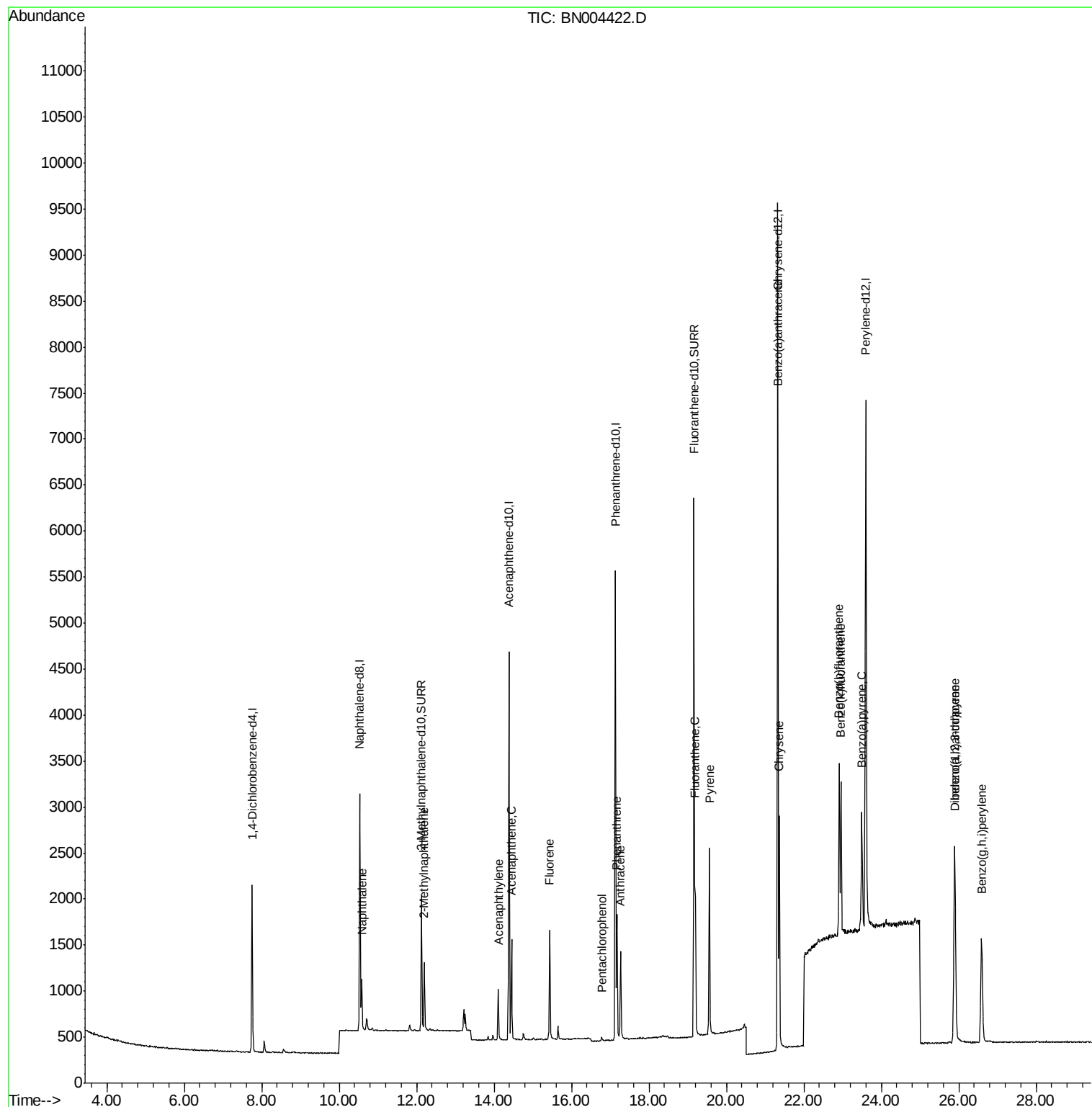
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.75  | 152  | 953      | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.53 | 136  | 3738     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.38 | 164  | 2256     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.13 | 188  | 6355     | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.33 | 240  | 8074     | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.60 | 264  | 8271     | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.12 | 152  | 2060     | 0.35   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.16 | 212  | 6762     | 0.34   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 3) Naphthalene              | 10.58 | 128  | 747      | 0.070  | ng/ul# | 82       |
| 5) 2-Methylnaphthalene      | 12.20 | 142  | 535      | 0.070  | ng/ul  | 100      |
| 7) Acenaphthylene           | 14.11 | 152  | 666      | 0.065  | ng/ul# | 85       |
| 8) Acenaphthene             | 14.44 | 153  | 618      | 0.069  | ng/ul  | 97       |
| 9) Fluorene                 | 15.43 | 166  | 757      | 0.071  | ng/ul# | 94       |
| 11) Pentachlorophenol       | 16.78 | 266  | 35       | 0.026  | ng/ul# | 90       |
| 12) Phenanthrene            | 17.17 | 178  | 1418     | 0.069  | ng/ul# | 90       |
| 13) Anthracene              | 17.27 | 178  | 1106     | 0.064  | ng/ul# | 88       |
| 15) Fluoranthene            | 19.20 | 202  | 1790     | 0.071  | ng/ul  | 94       |
| 17) Pyrene                  | 19.56 | 202  | 1768     | 0.068  | ng/ul# | 90       |
| 18) Benzo(a)anthracene      | 21.31 | 228  | 1763     | 0.068  | ng/ul  | 94       |
| 19) Chrysene                | 21.37 | 228  | 2170     | 0.072  | ng/ul  | 96       |
| 21) Benzo(b)fluoranthene    | 22.92 | 252  | 2341     | 0.071  | ng/ul  | 77       |
| 22) Benzo(k)fluoranthene    | 22.96 | 252  | 2271     | 0.070  | ng/ul# | 73       |
| 23) Benzo(a)pyrene          | 23.50 | 252  | 2033     | 0.069  | ng/ul# | 67       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.89 | 276  | 2707     | 0.070  | ng/ul# | 98       |
| 25) Dibenzo(a,h)anthracene  | 25.91 | 278  | 2170     | 0.069  | ng/ul# | 82       |
| 26) Benzo(g,h,i)perylene    | 26.59 | 276  | 2565     | 0.073  | ng/ul# | 90       |

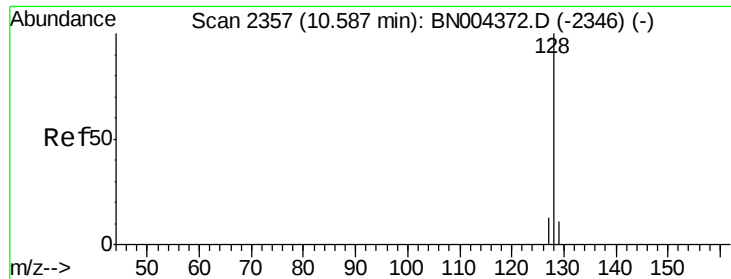
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021419\  
Data File : BN004422.D  
Acq On : 14 Feb 2019 16:15  
Operator : JU/SJ  
Sample : MDL-W-07  
Misc : 0.07 PPM  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-W-07

Quant Time: Feb 14 16:48:59 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN021119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Feb 11 14:04:55 2019  
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.070 ng/ul

RT: 10.58 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BN004422.D

Acq: 14 Feb 2019 16:15

Instrument :

BNA\_N

ClientSampleId :

MDL-W-07

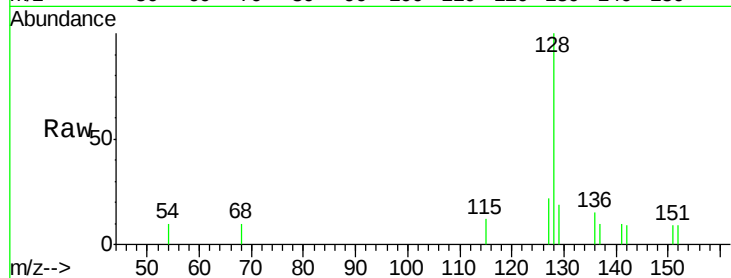
Tot Ion:128 Resp: 747

Ion Ratio Lower Upper

128 100

129 19.5 9.8 14.6#

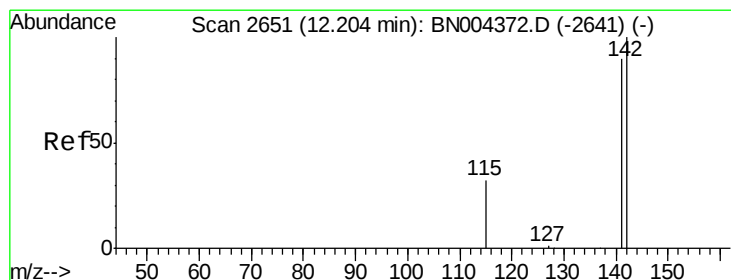
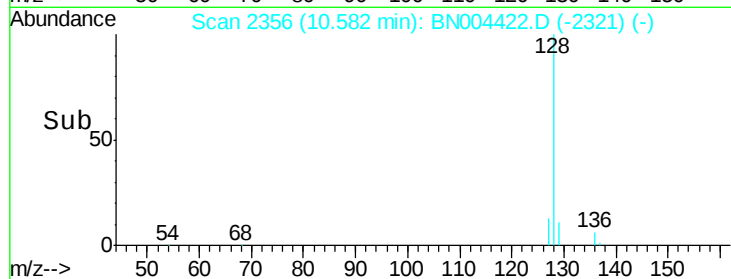
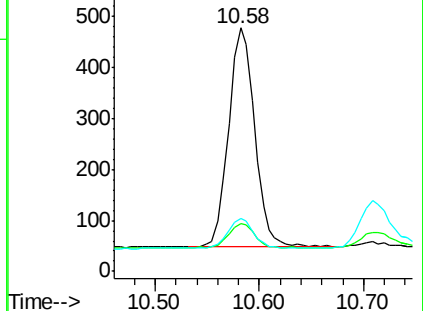
127 21.6 11.4 17.0#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.070 ng/ul

RT: 12.20 min Scan# 2650

Delta R.T. -0.01 min

Lab File: BN004422.D

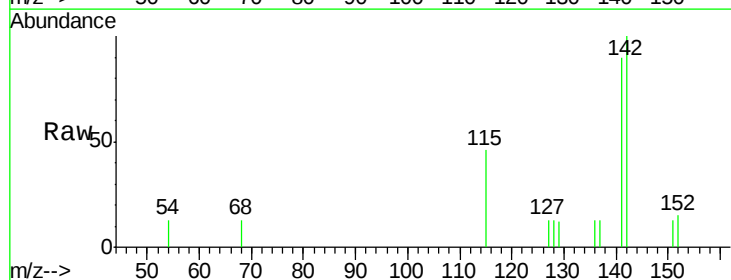
Acq: 14 Feb 2019 16:15

Tgt Ion:142 Resp: 535

Ion Ratio Lower Upper

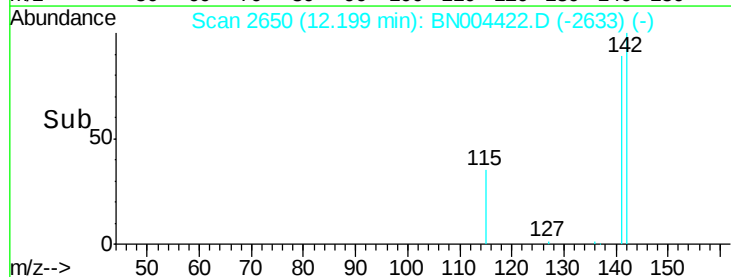
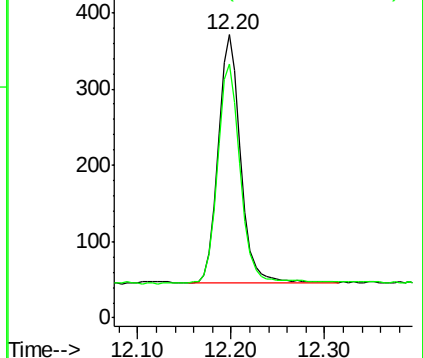
142 100

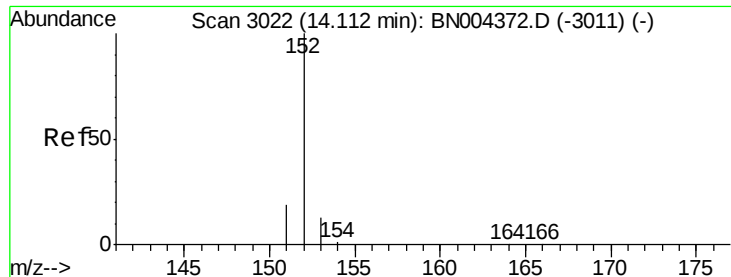
141 89.9 71.8 107.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.065 ng/ul

RT: 14.11 min Scan# 3021

Delta R.T. -0.00 min

Lab File: BN004422.D

Acq: 14 Feb 2019 16:15

Instrument :

BNA\_N

ClientSampleId :

MDL-W-07

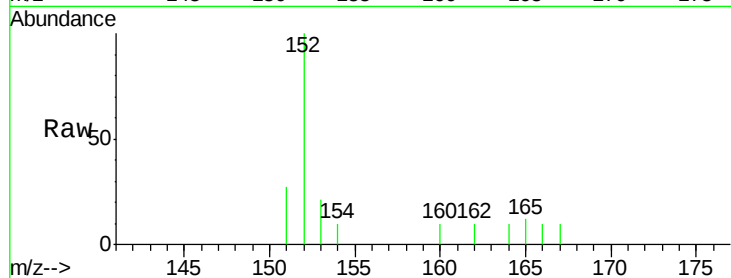
Tot Ion:152 Resp: 666

Ion Ratio Lower Upper

152 100

151 27.4 16.6 24.8#

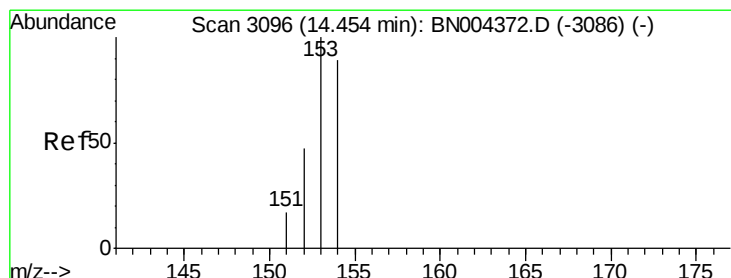
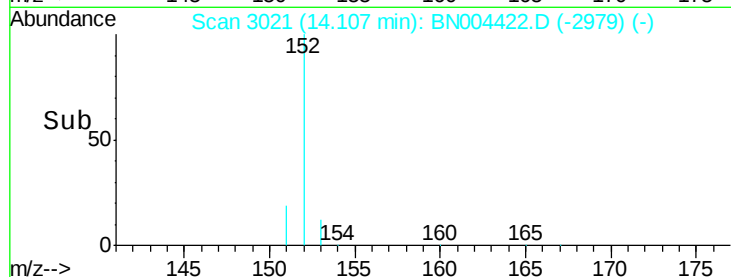
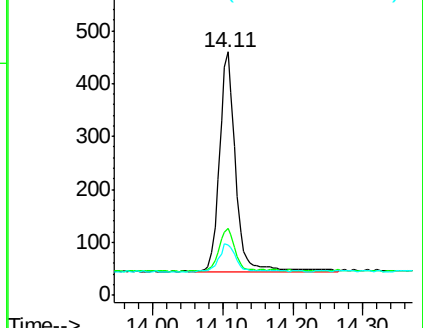
153 20.9 11.1 16.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#8

Acenaphthene

Concen: 0.069 ng/ul

RT: 14.44 min Scan# 3094

Delta R.T. -0.01 min

Lab File: BN004422.D

Acq: 14 Feb 2019 16:15

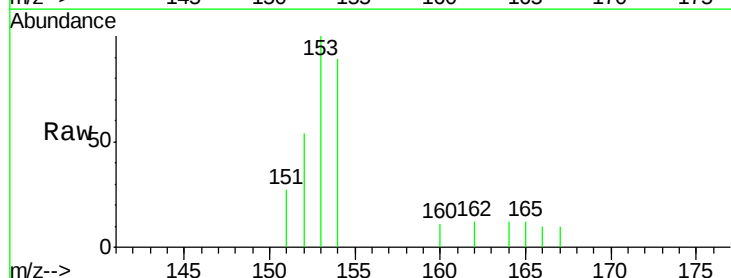
Tgt Ion:153 Resp: 618

Ion Ratio Lower Upper

153 100

152 54.0 38.4 57.6

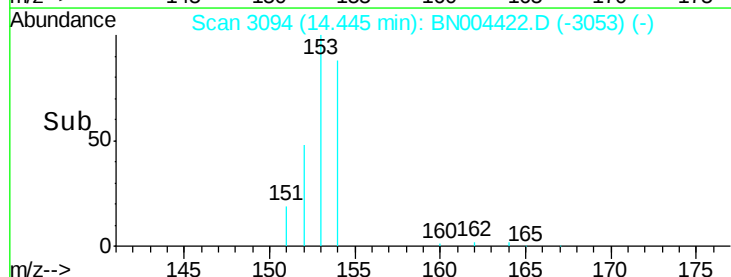
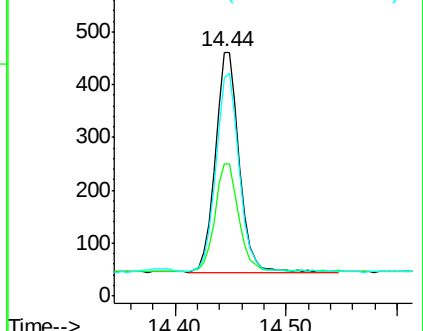
154 89.4 71.4 107.0

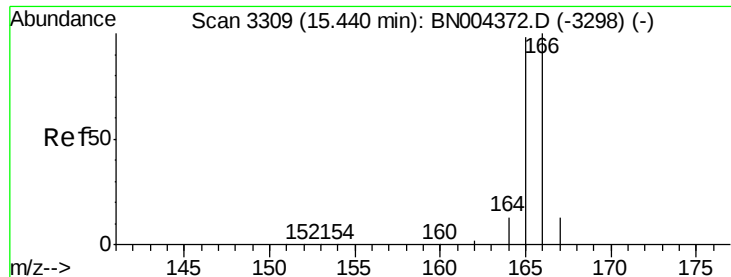


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.071 ng/ul

RT: 15.43 min Scan# 3308

Delta R.T. -0.00 min

Lab File: BN004422.D

Acq: 14 Feb 2019 16:15

Instrument :

BNA\_N

ClientSampleId :

MDL-W-07

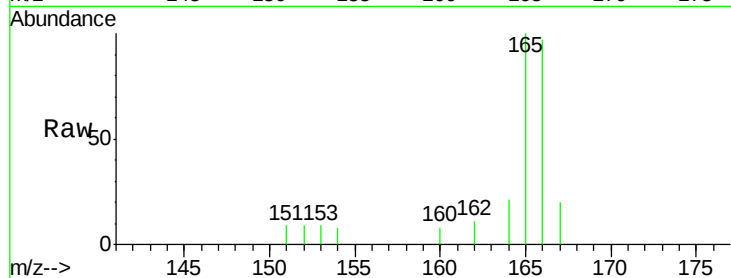
Tot Ion:166 Resp: 757

Ion Ratio Lower Upper

166 100

165 102.7 78.9 118.3

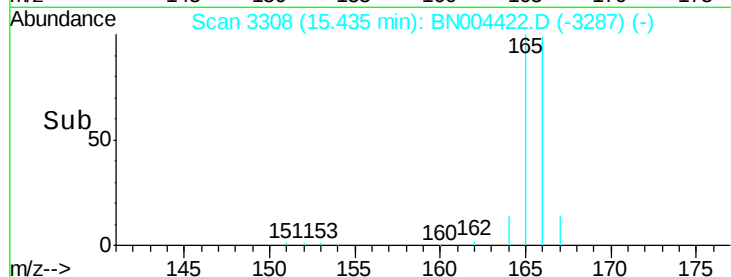
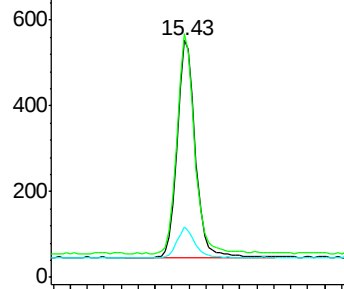
167 21.0 11.6 17.4#



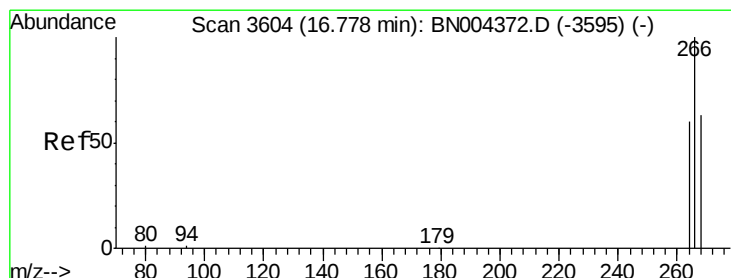
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#11

Pentachlorophenol

Concen: 0.026 ng/ul

RT: 16.78 min Scan# 3605

Delta R.T. 0.00 min

Lab File: BN004422.D

Acq: 14 Feb 2019 16:15

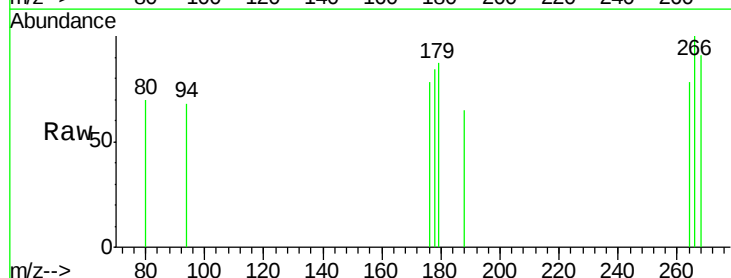
Tgt Ion:266 Resp: 35

Ion Ratio Lower Upper

266 100

264 62.9 52.3 78.5

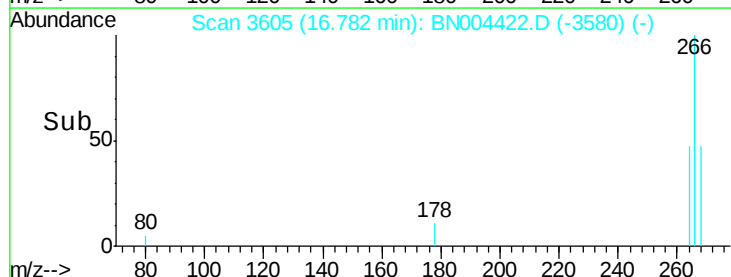
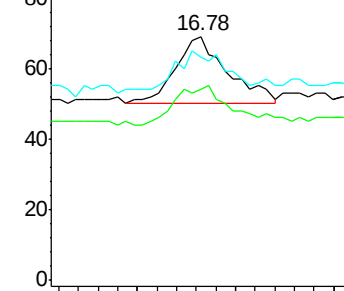
268 74.3 49.0 73.6#



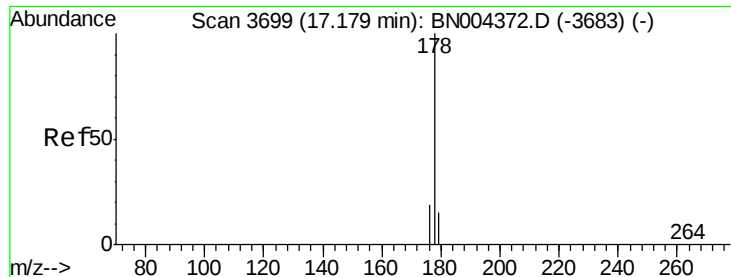
Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->



#12

Phenanthrene

Concen: 0.069 ng/ul

RT: 17.17 min Scan# 3698

Delta R.T. -0.00 min

Lab File: BN004422.D

Acq: 14 Feb 2019 16:15

Instrument :

BNA\_N

ClientSampleId :

MDL-W-07

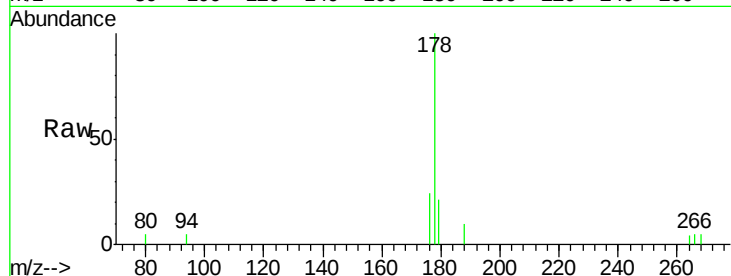
Tot Ion:178 Resp: 1418

Ion Ratio Lower Upper

178 100

179 21.0 12.6 19.0#

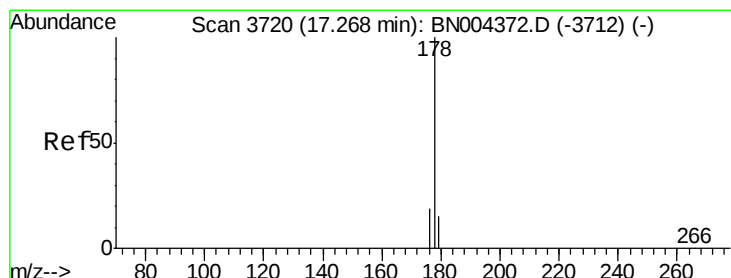
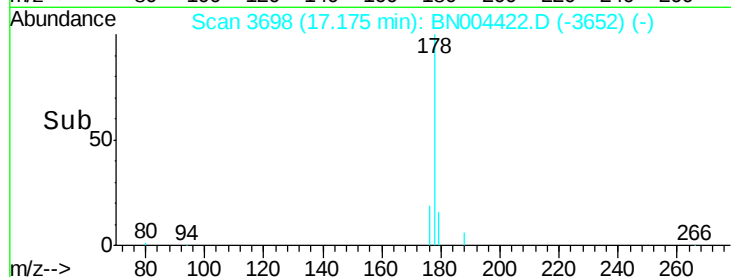
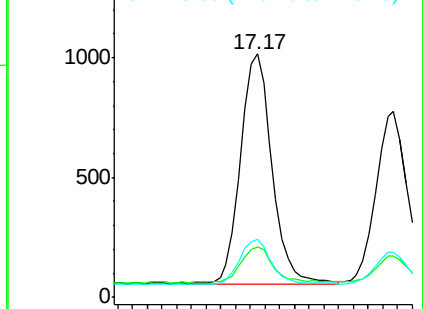
176 23.7 15.8 23.6#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 0.064 ng/ul

RT: 17.27 min Scan# 3720

Delta R.T. -0.00 min

Lab File: BN004422.D

Acq: 14 Feb 2019 16:15

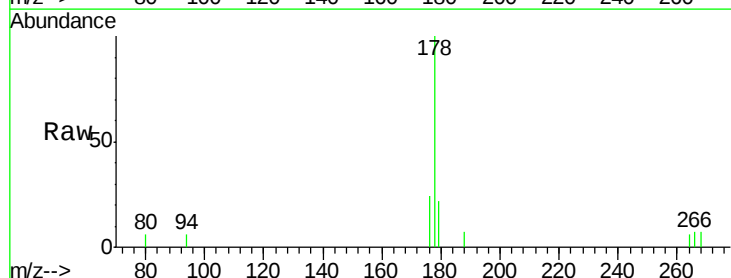
Tgt Ion:178 Resp: 1106

Ion Ratio Lower Upper

178 100

179 22.1 13.0 19.4#

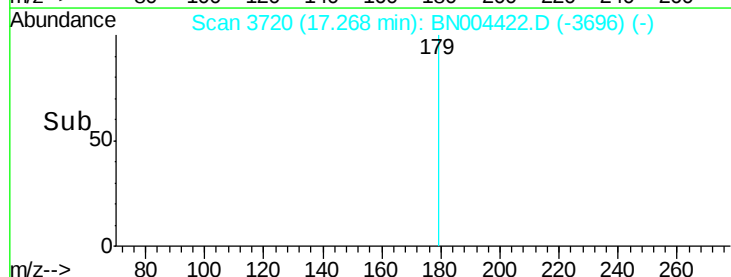
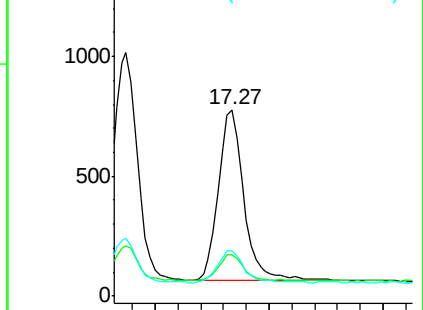
176 24.3 15.5 23.3#

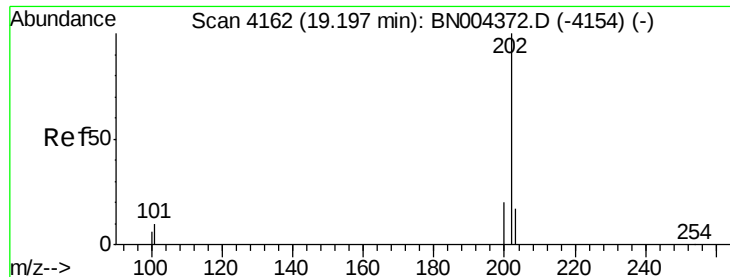


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.071 ng/ul

RT: 19.20 min Scan# 4162

Delta R.T. -0.00 min

Lab File: BN004422.D

Acq: 14 Feb 2019 16:15

Instrument :

BNA\_N

ClientSampleId :

MDL-W-07

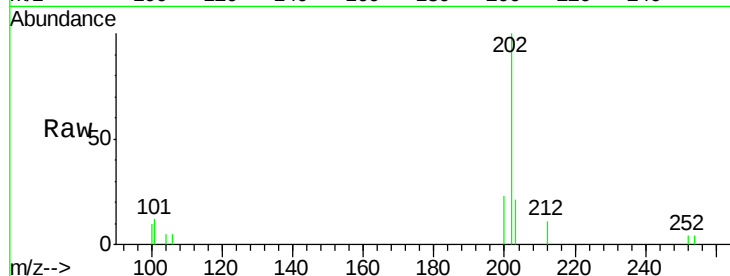
Tot Ion:202 Resp: 1790

Ion Ratio Lower Upper

202 100

101 12.1 0.0 30.4

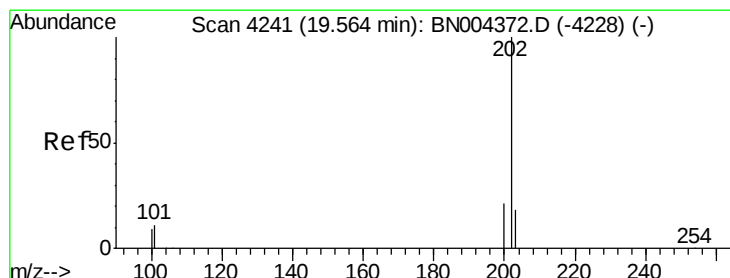
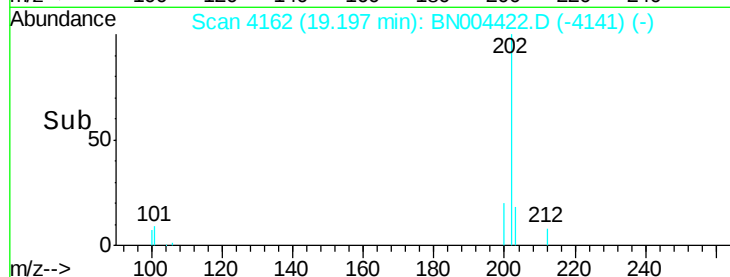
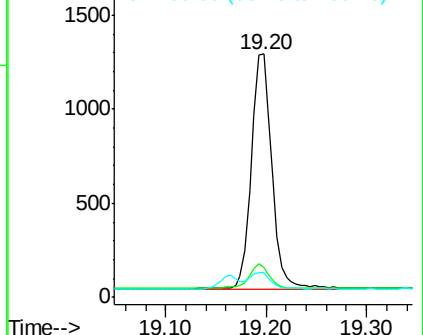
100 10.0 0.0 27.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#17

Pyrene

Concen: 0.068 ng/ul

RT: 19.56 min Scan# 4240

Delta R.T. -0.00 min

Lab File: BN004422.D

Acq: 14 Feb 2019 16:15

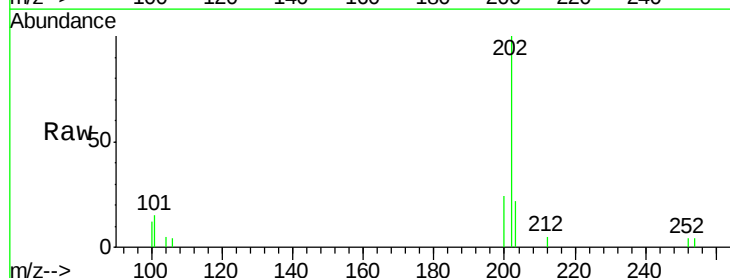
Tgt Ion:202 Resp: 1768

Ion Ratio Lower Upper

202 100

101 15.4 9.0 13.6#

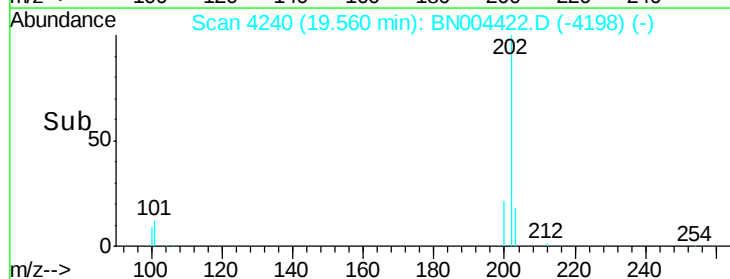
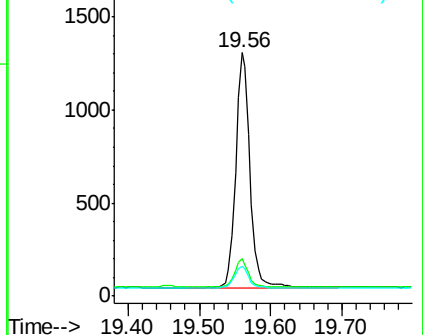
100 12.2 7.4 11.0#

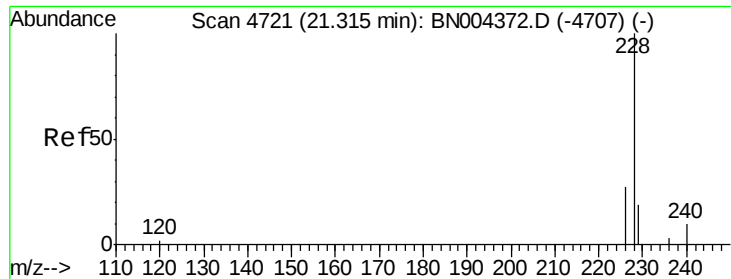


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.068 ng/ul

RT: 21.31 min Scan# 4720

Delta R.T. -0.00 min

Lab File: BN004422.D

Acq: 14 Feb 2019 16:15

Instrument :

BNA\_N

ClientSampleId :

MDL-W-07

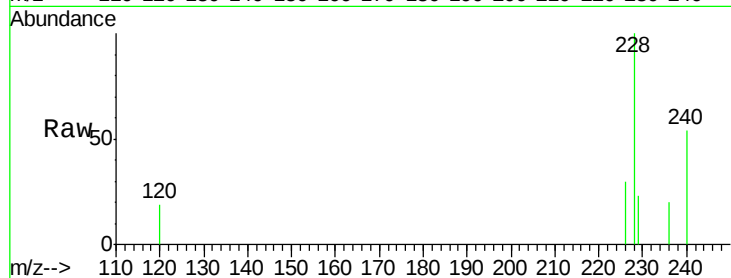
Tot Ion:228 Resp: 1763

Ion Ratio Lower Upper

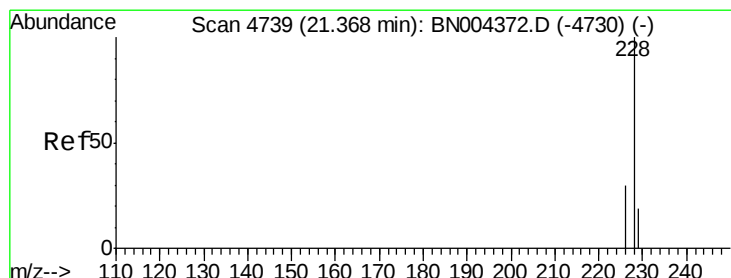
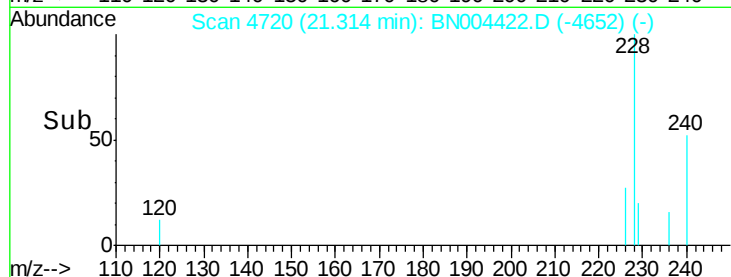
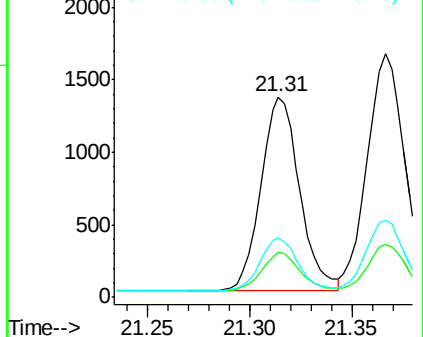
228 100

229 22.9 15.7 23.5

226 29.9 22.1 33.1



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 229.00 (228.70 to 229.70): E  
Ion 226.00 (225.70 to 226.70): E



#19

Chrysene

Concen: 0.072 ng/ul

RT: 21.37 min Scan# 4738

Delta R.T. -0.00 min

Lab File: BN004422.D

Acq: 14 Feb 2019 16:15

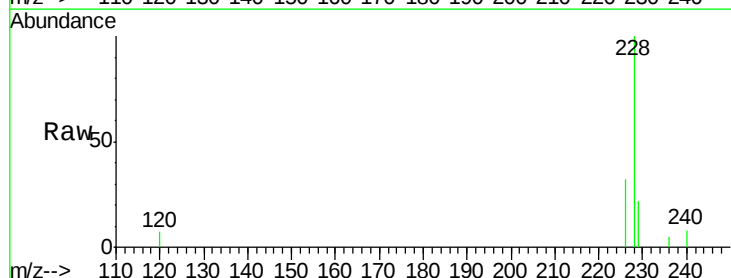
Tgt Ion:228 Resp: 2170

Ion Ratio Lower Upper

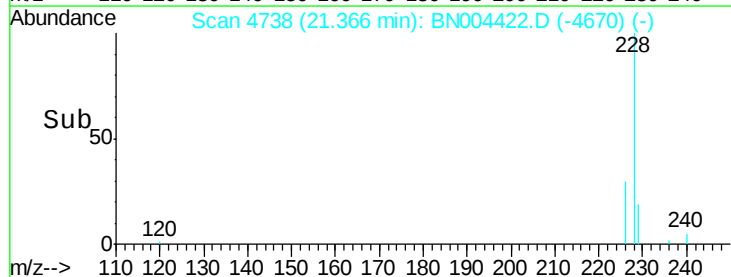
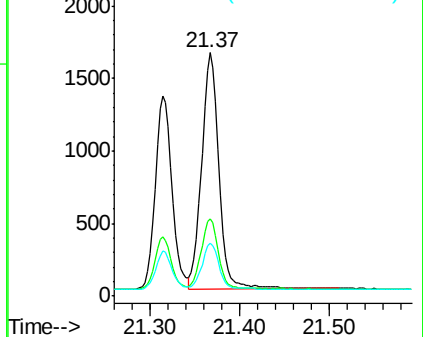
228 100

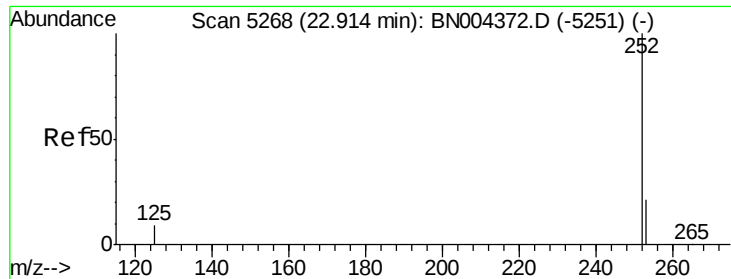
226 31.6 23.8 35.8

229 21.7 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.071 ng/u1

RT: 22.92 min Scan# 5268

Delta R.T. 0.00 min

Lab File: BN004422.D

Acq: 14 Feb 2019 16:15

Instrument :

BNA\_N

ClientSampleId :

MDL-W-07

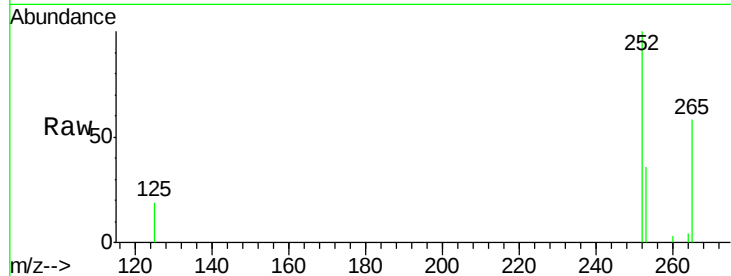
Tot Ion:252 Resp: 2341

Ion Ratio Lower Upper

252 100

253 36.0 0.0 48.0

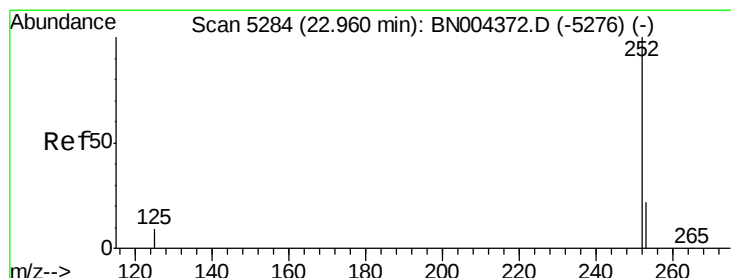
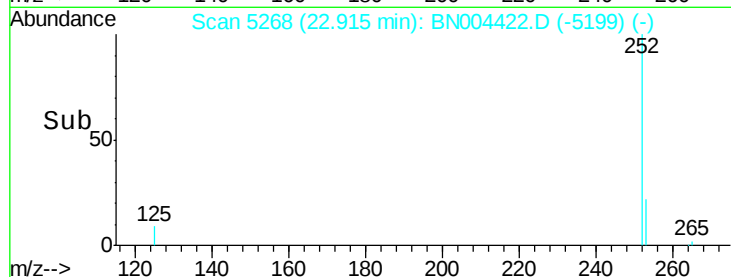
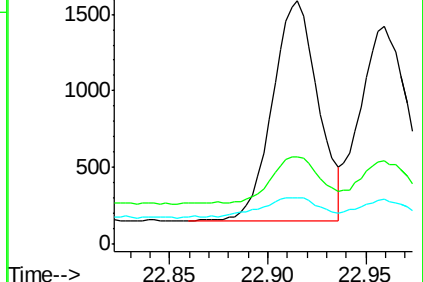
125 19.3 0.0 22.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#22

Benzo(k)fluoranthene

Concen: 0.070 ng/u1

RT: 22.96 min Scan# 5283

Delta R.T. -0.00 min

Lab File: BN004422.D

Acq: 14 Feb 2019 16:15

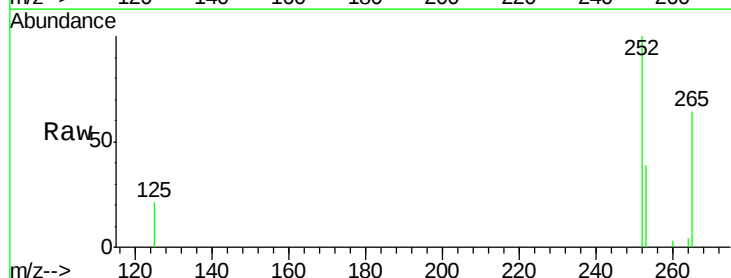
Tgt Ion:252 Resp: 2271

Ion Ratio Lower Upper

252 100

253 38.5 19.5 29.3#

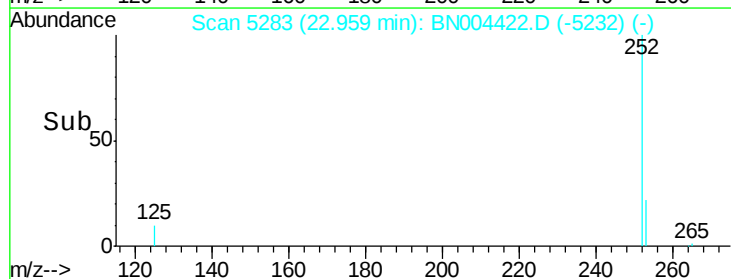
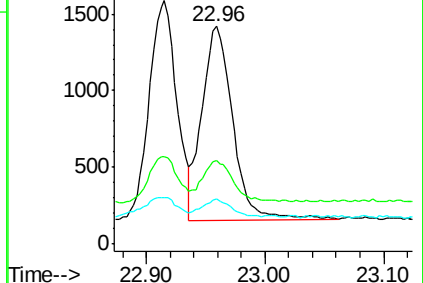
125 20.9 9.1 13.7#

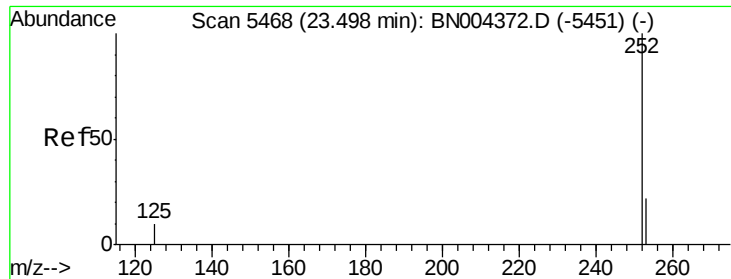


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.069 ng/ul

RT: 23.50 min Scan# 5467

Delta R.T. -0.00 min

Lab File: BN004422.D

Acq: 14 Feb 2019 16:15

Instrument :

BNA\_N

ClientSampleId :

MDL-W-07

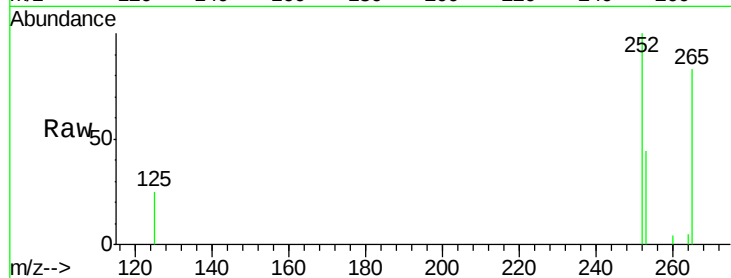
Tot Ion:252 Resp: 2033

Ion Ratio Lower Upper

252 100

253 43.6 20.4 30.6#

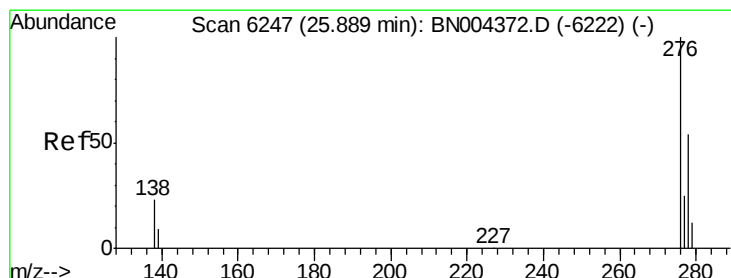
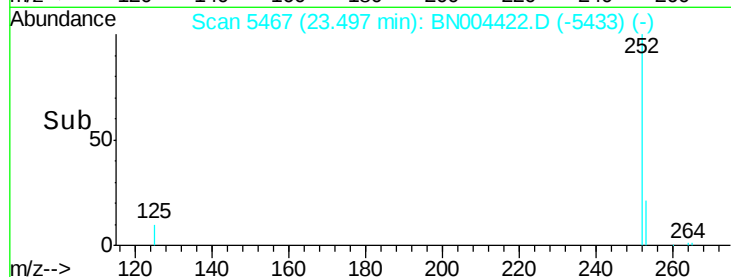
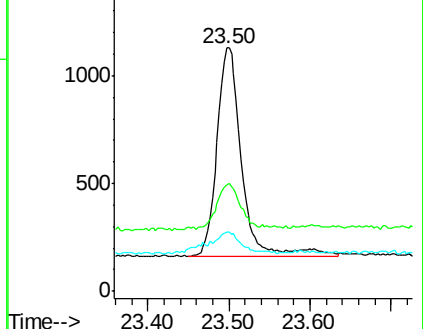
125 24.5 10.6 15.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.070 ng/ul

RT: 25.89 min Scan# 6247

Delta R.T. 0.00 min

Lab File: BN004422.D

Acq: 14 Feb 2019 16:15

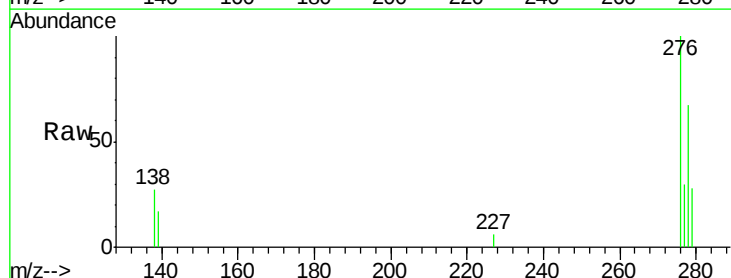
Tgt Ion:276 Resp: 2707

Ion Ratio Lower Upper

276 100

138 23.1 19.1 28.7

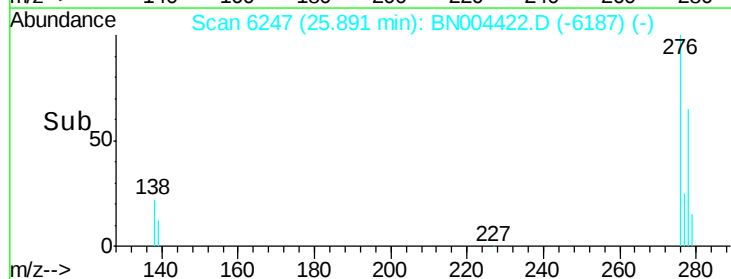
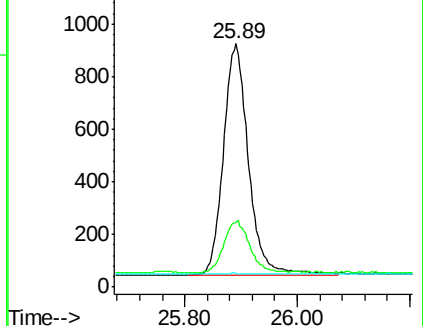
227 0.1 0.2 0.4#

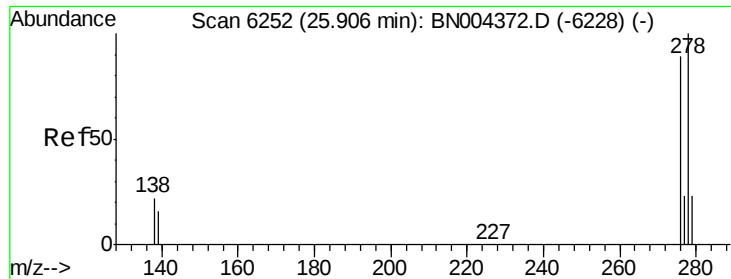


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.069 ng/u1

RT: 25.91 min Scan# 6252

Delta R.T. 0.00 min

Lab File: BN004422.D

Acq: 14 Feb 2019 16:15

Instrument :

BNA\_N

ClientSampleId :

MDL-W-07

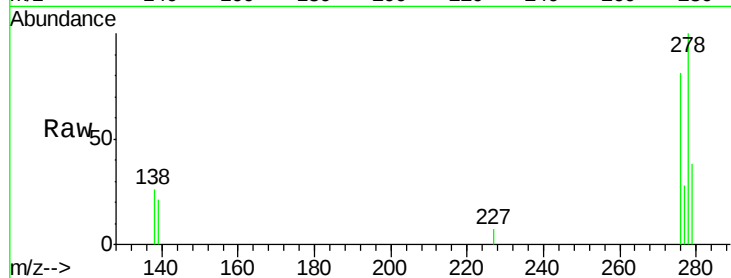
Tot Ion:278 Resp: 2170

Ion Ratio Lower Upper

278 100

139 20.6 13.8 20.6

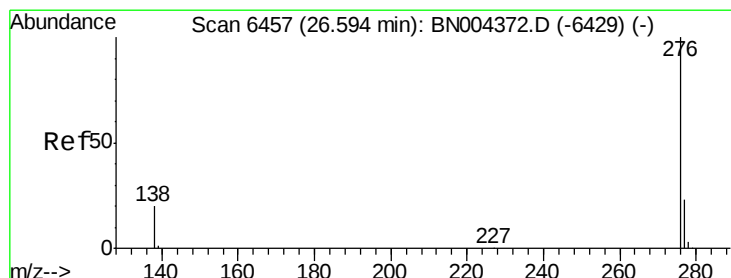
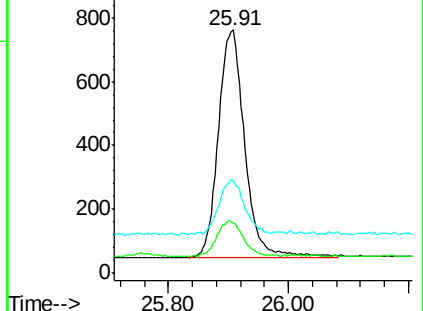
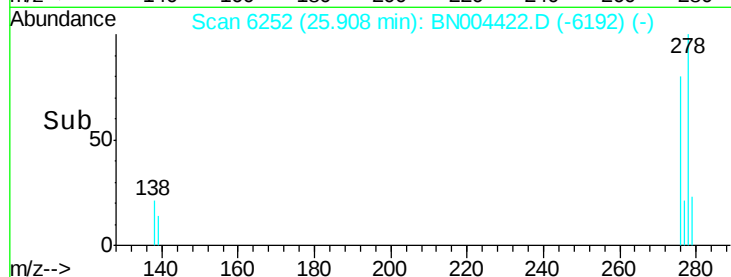
279 37.9 20.4 30.6#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 0.073 ng/u1

RT: 26.59 min Scan# 6455

Delta R.T. -0.01 min

Lab File: BN004422.D

Acq: 14 Feb 2019 16:15

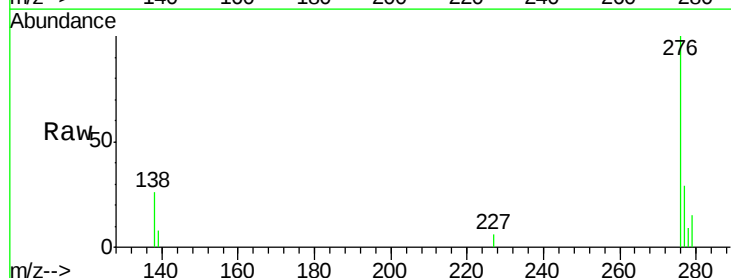
Tgt Ion:276 Resp: 2565

Ion Ratio Lower Upper

276 100

138 26.0 16.8 25.2#

277 28.5 19.4 29.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

