

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072120\  
 Data File : BN011214.D  
 Acq On : 21 Jul 2020 10:55  
 Operator : CG/JU  
 Sample : L3260-03  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 X2M73

Quant Time: Jul 21 11:49:21 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN072020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 21 11:43:34 2020  
 Response via : Initial Calibration

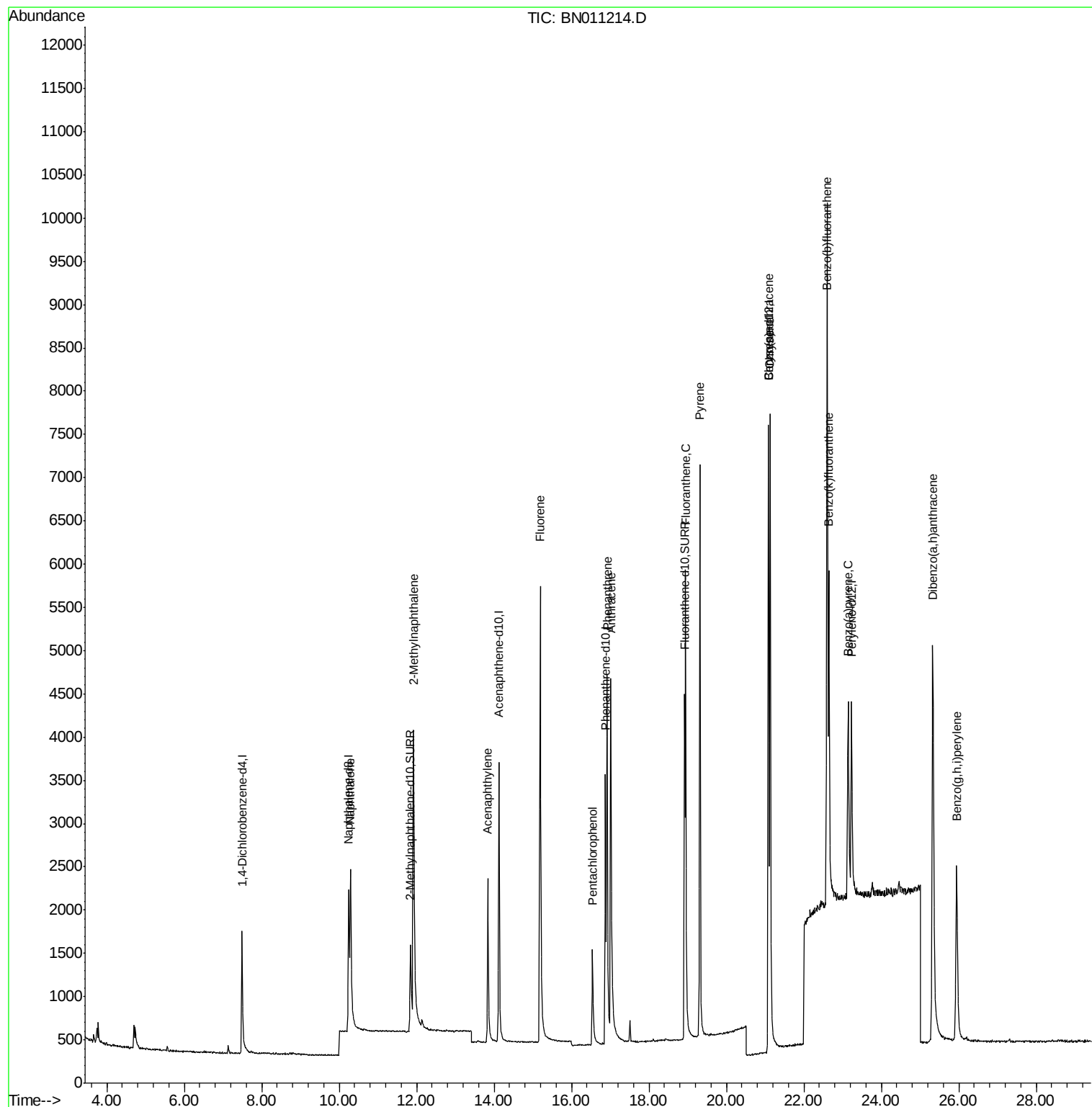
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.49  | 152  | 1015     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.24 | 136  | 3527     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.13 | 164  | 2185     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 16.88 | 188  | 4829     | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.10 | 240  | 3666     | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.23 | 264  | 3185     | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.84 | 152  | 2037     | 0.24   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 18.92 | 212  | 5542     | 0.27   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 3) Naphthalene              | 10.29 | 128  | 3498     | 0.332  | ng/ul  | 97       |
| 5) 2-Methylnaphthalene      | 11.92 | 142  | 4162     | 0.603  | ng/ul  | 100      |
| 7) Acenaphthylene           | 13.84 | 152  | 2683     | 0.253  | ng/ul  | 99       |
| 9) Fluorene                 | 15.19 | 166  | 4906     | 0.519  | ng/ul  | 98       |
| 11) Pentachlorophenol       | 16.54 | 266  | 1047     | 1.015  | ng/ul  | 98       |
| 12) Phenanthrene            | 16.92 | 178  | 5263     | 0.331  | ng/ul  | 99       |
| 13) Anthracene              | 17.01 | 178  | 6822     | 0.520  | ng/ul  | 100      |
| 15) Fluoranthene            | 18.95 | 202  | 5549     | 0.312  | ng/ul  | 99       |
| 17) Pyrene                  | 19.32 | 202  | 7190     | 0.367  | ng/ul  | 99       |
| 18) Benzo(a)anthracene      | 21.08 | 228  | 6322     | 0.488  | ng/ul  | 98       |
| 19) Chrysene                | 21.13 | 228  | 8315     | 0.482  | ng/ul  | 99       |
| 21) Benzo(b)fluoranthene    | 22.60 | 252  | 10721    | 0.779  | ng/ul  | 91       |
| 22) Benzo(k)fluoranthene    | 22.65 | 252  | 5762     | 0.365  | ng/ul  | 99       |
| 23) Benzo(a)pyrene          | 23.14 | 252  | 4249     | 0.367  | ng/ul  | 100      |
| 25) Dibenzo(a,h)anthracene  | 25.33 | 278  | 8594     | 0.836  | ng/ul# | 90       |
| 26) Benzo(a,h,i)perylene    | 25.95 | 276  | 4490     | 0.331  | ng/ul  | 98       |

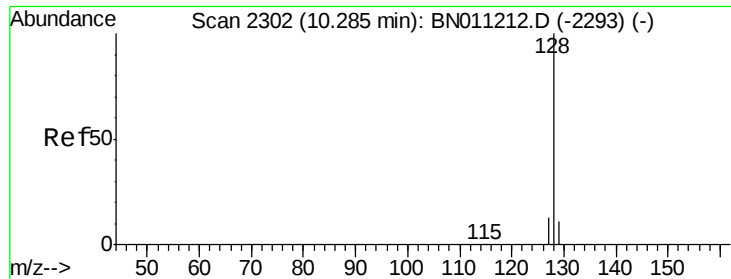
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.332 ng/ul

RT: 10.29 min Scan# 2303

Delta R.T. 0.01 min

Lab File: BN011214.D

Acq: 21 Jul 2020 10:55

Instrument :

BNA\_N

ClientSampleId :

X2M73

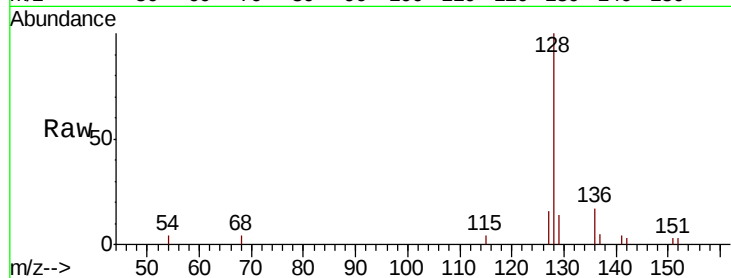
Tot Ion:128 Resp: 3498

Ion Ratio Lower Upper

128 100

129 13.8 9.9 14.9

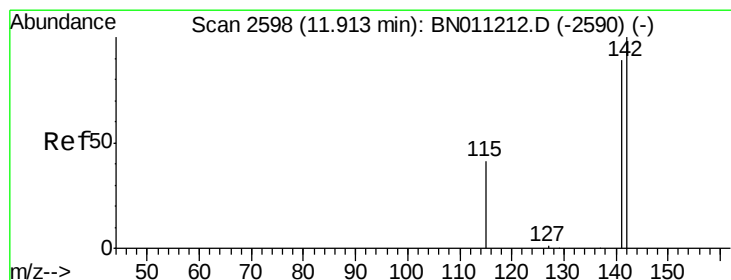
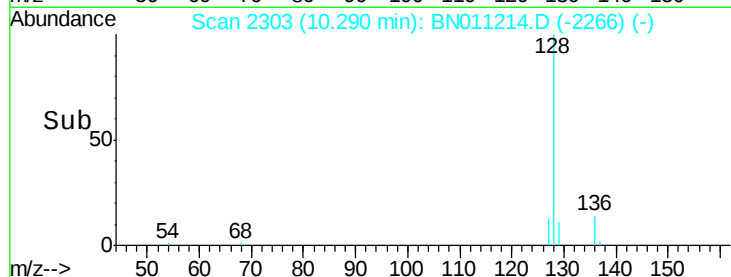
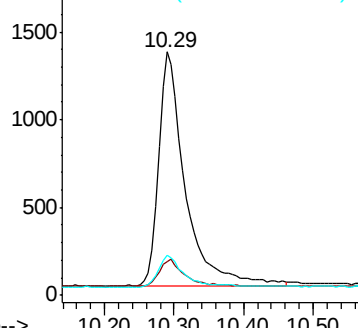
127 16.3 12.1 18.1



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: 0.603 ng/ul

RT: 11.92 min Scan# 2599

Delta R.T. 0.01 min

Lab File: BN011214.D

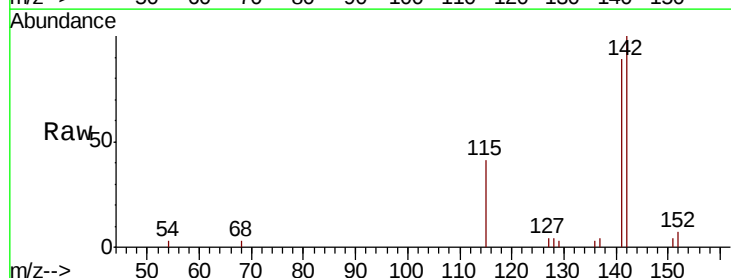
Acq: 21 Jul 2020 10:55

Tgt Ion:142 Resp: 4162

Ion Ratio Lower Upper

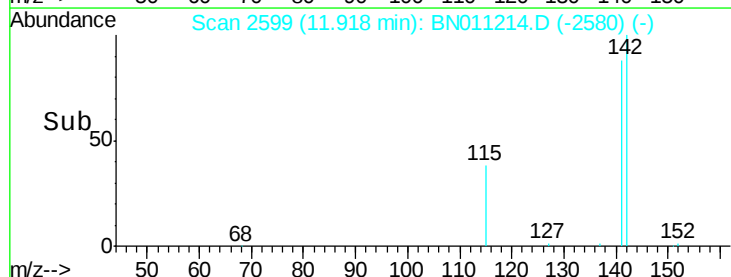
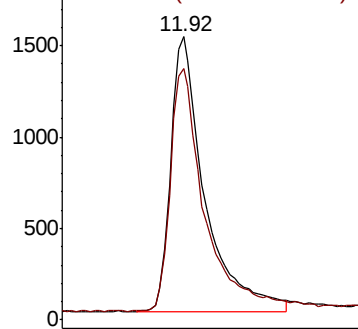
142 100

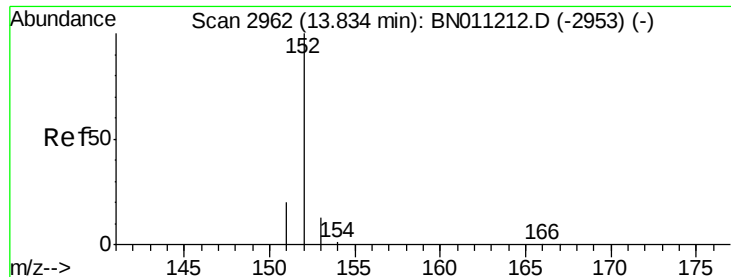
141 89.2 71.3 106.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.253 ng/ul

RT: 13.84 min Scan# 2963

Delta R.T. 0.00 min

Lab File: BN011214.D

Acq: 21 Jul 2020 10:55

Instrument :

BNA\_N

ClientSampleId :

X2M73

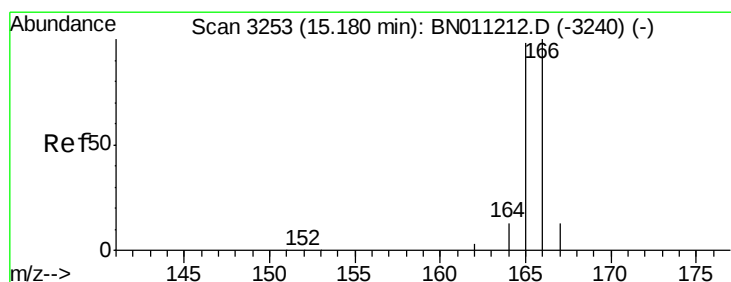
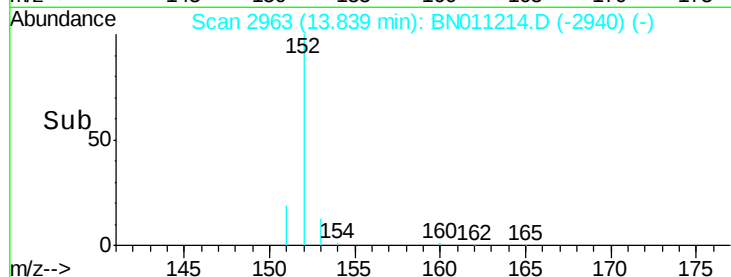
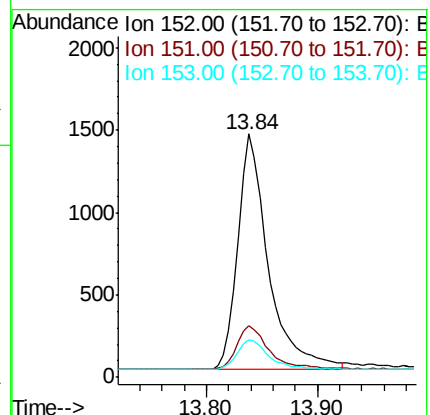
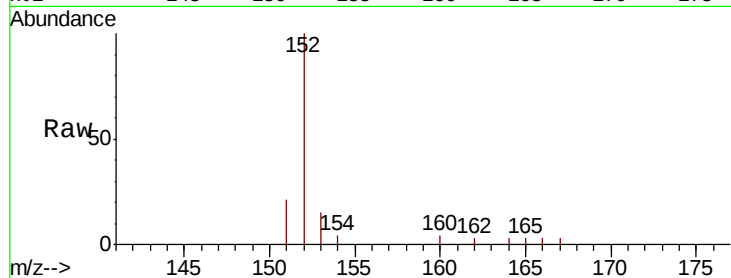
Tot Ion:152 Resp: 2683

Ion Ratio Lower Upper

152 100

151 21.3 16.7 25.1

153 15.3 11.6 17.4



#9

Fluorene

Concen: 0.519 ng/ul

RT: 15.19 min Scan# 3255

Delta R.T. 0.01 min

Lab File: BN011214.D

Acq: 21 Jul 2020 10:55

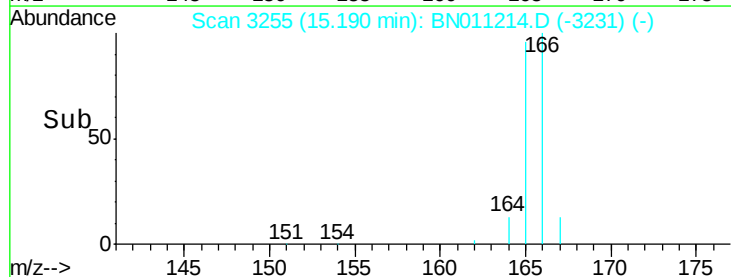
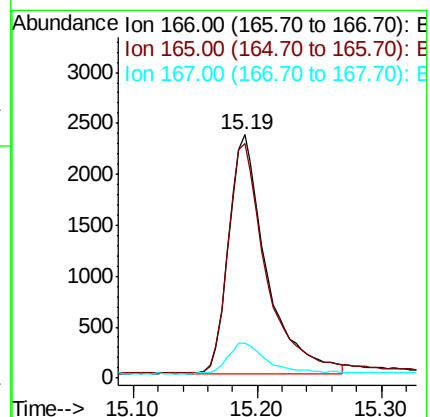
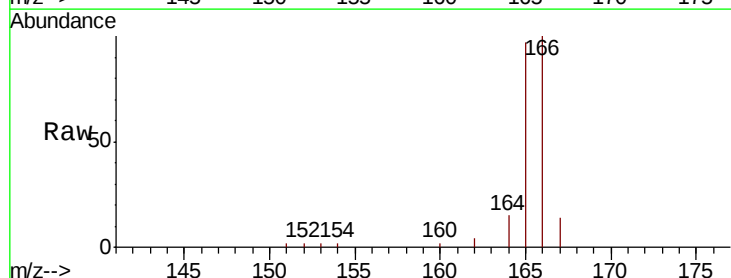
Tgt Ion:166 Resp: 4906

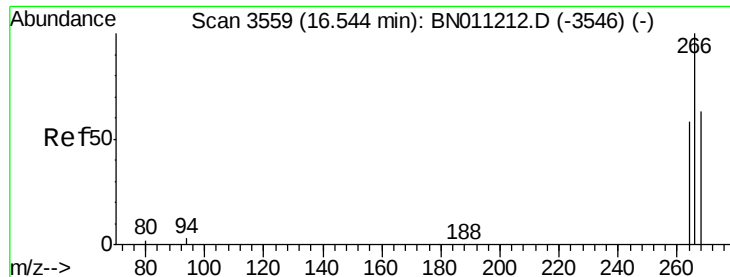
Ion Ratio Lower Upper

166 100

165 96.6 79.3 118.9

167 14.3 11.8 17.8





#11

Pentachlorophenol

Concen: 1.015 ng/ul

RT: 16.54 min Scan# 3558

Delta R.T. -0.00 min

Lab File: BN011214.D

Acq: 21 Jul 2020 10:55

Instrument :

BNA\_N

ClientSampleId :

X2M73

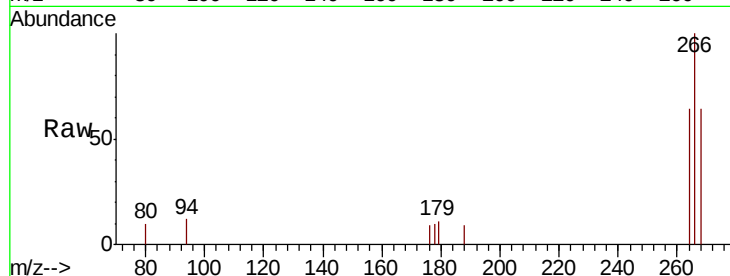
Tot Ion:266 Resp: 1047

Ion Ratio Lower Upper

266 100

264 63.1 50.3 75.5

268 65.6 54.4 81.6



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

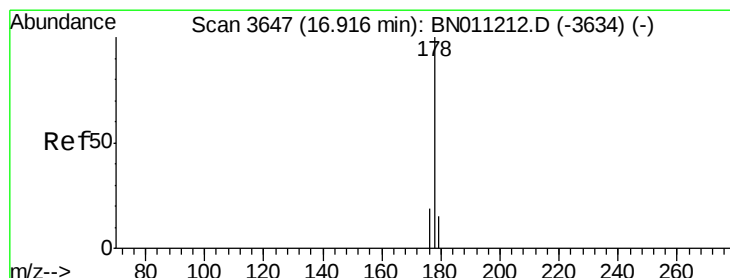
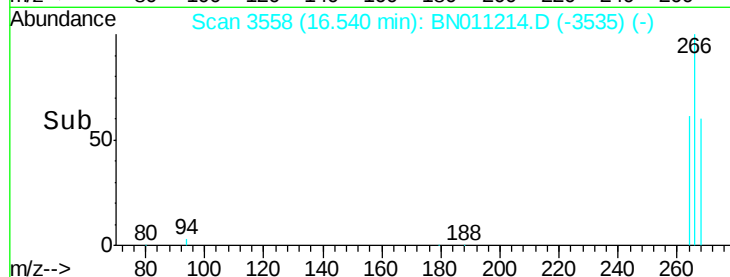
16.54

400

200

0

Time-->



#12

Phenanthrene

Concen: 0.331 ng/ul

RT: 16.92 min Scan# 3648

Delta R.T. 0.00 min

Lab File: BN011214.D

Acq: 21 Jul 2020 10:55

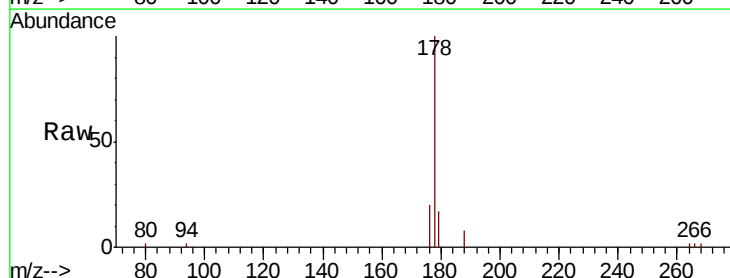
Tgt Ion:178 Resp: 5263

Ion Ratio Lower Upper

178 100

179 16.9 12.7 19.1

176 20.1 16.2 24.4



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

16.92

4000

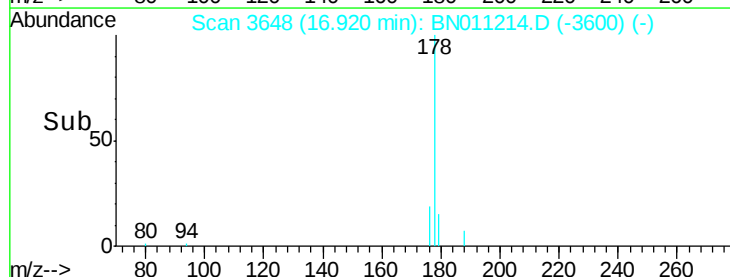
3000

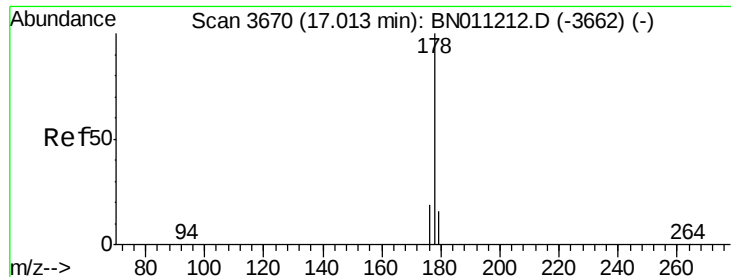
2000

1000

0

Time-->





#13

Anthracene

Concen: 0.520 ng/ul

RT: 17.01 min Scan# 3670

Delta R.T. 0.00 min

Lab File: BN011214.D

Acq: 21 Jul 2020 10:55

Instrument :

BNA\_N

ClientSampleId :

X2M73

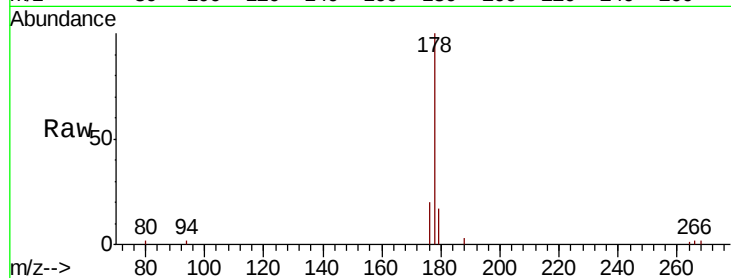
Tot Ion:178 Resp: 6822

Ion Ratio Lower Upper

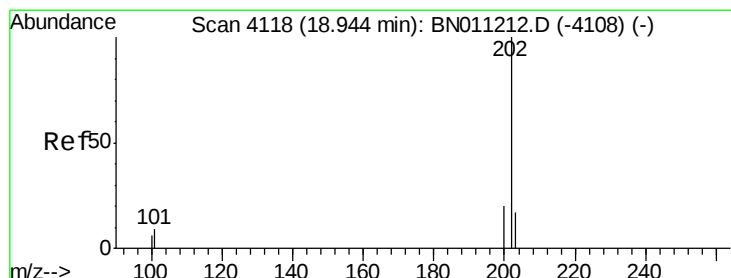
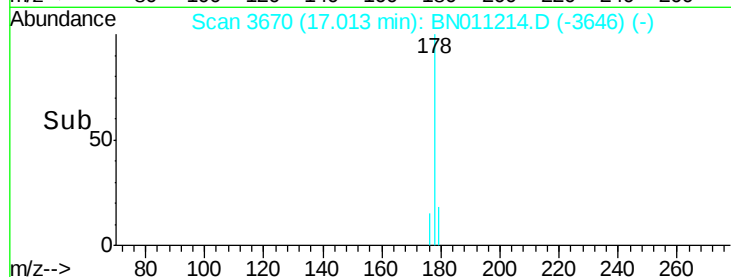
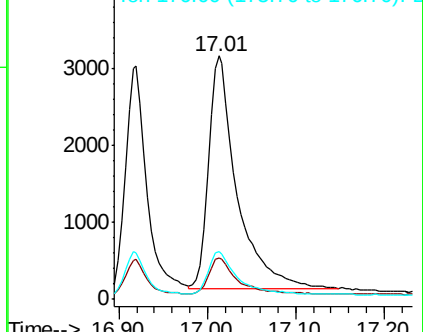
178 100

179 17.2 13.8 20.6

176 19.9 16.2 24.2



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: 0.312 ng/ul

RT: 18.95 min Scan# 4119

Delta R.T. 0.00 min

Lab File: BN011214.D

Acq: 21 Jul 2020 10:55

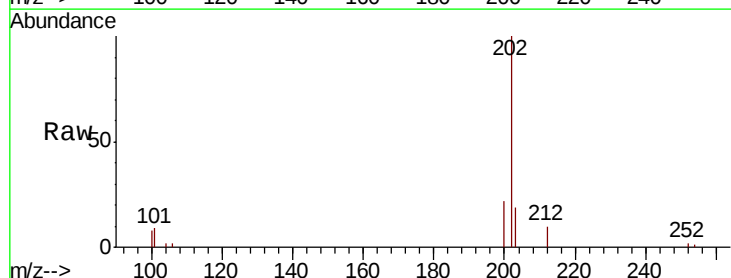
Tgt Ion:202 Resp: 5549

Ion Ratio Lower Upper

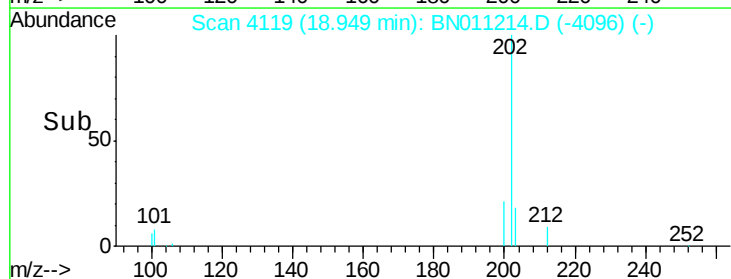
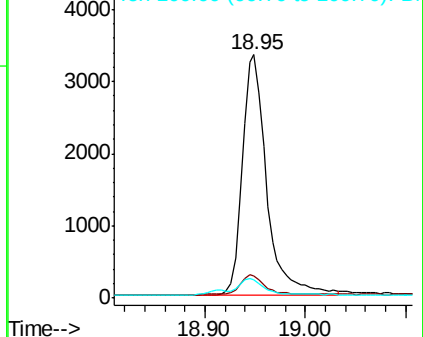
202 100

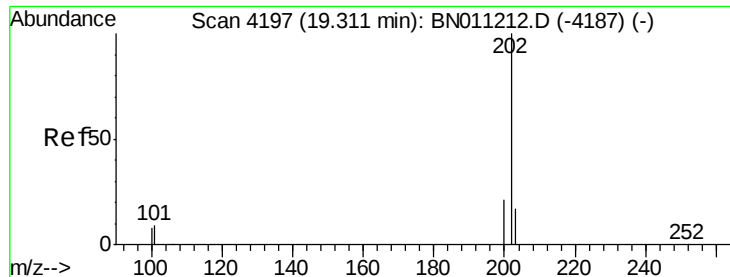
101 9.2 0.0 28.7

100 7.7 0.0 27.3



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

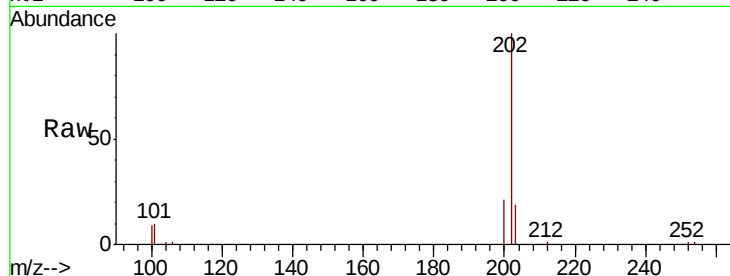




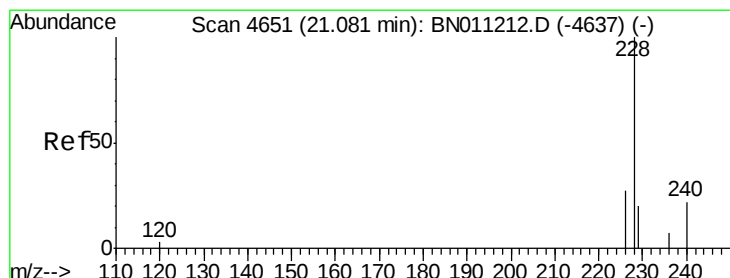
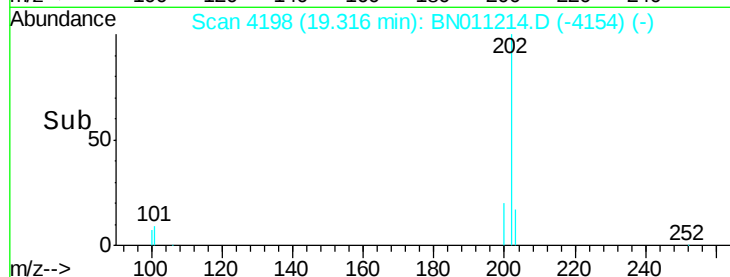
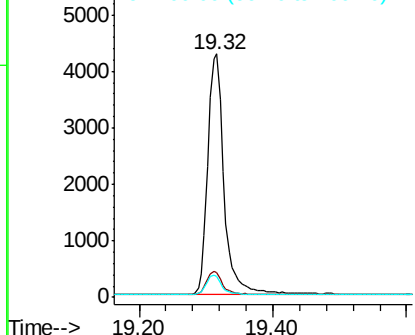
#17  
Pvrene  
Concen: 0.367 ng/ul  
RT: 19.32 min Scan# 4198  
Delta R.T. 0.00 min  
Lab File: BN011214.D  
Acq: 21 Jul 2020 10:55

Instrument :  
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ClientSampleId :  
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Tot Ion:202 Resp: 7190  
Ion Ratio Lower Upper  
202 100  
101 10.1 8.5 12.7  
100 8.5 6.7 10.1

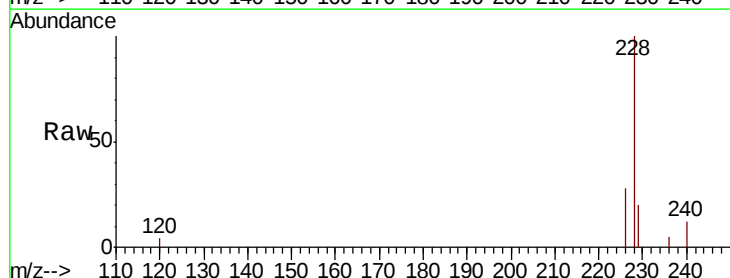


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 100.00 (99.70 to 100.70): B

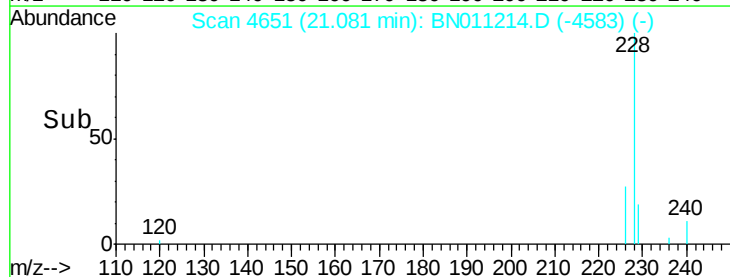
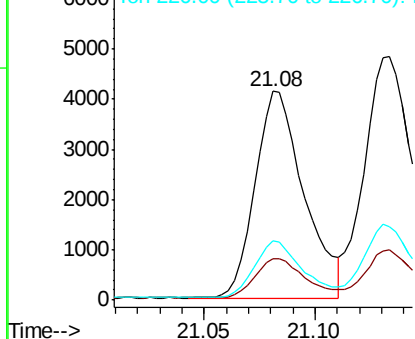


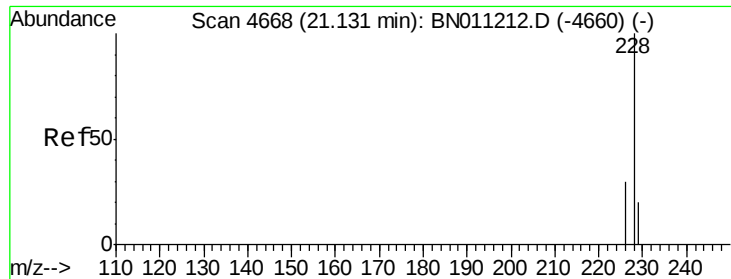
#18  
Benzo(a)anthracene  
Concen: 0.488 ng/ul  
RT: 21.08 min Scan# 4651  
Delta R.T. 0.00 min  
Lab File: BN011214.D  
Acq: 21 Jul 2020 10:55

Tgt Ion:228 Resp: 6322  
Ion Ratio Lower Upper  
228 100  
229 19.6 16.5 24.7  
226 28.2 23.3 34.9



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: 0.482 ng/ul

RT: 21.13 min Scan# 4669

Delta R.T. 0.00 min

Lab File: BN011214.D

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Instrument :

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ClientSampleId :

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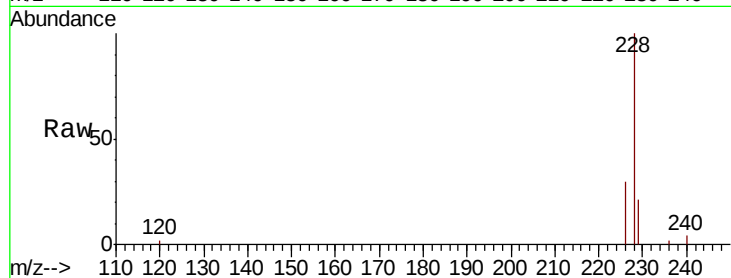
Tot Ion:228 Resp: 8315

Ion Ratio Lower Upper

228 100

226 30.1 24.5 36.7

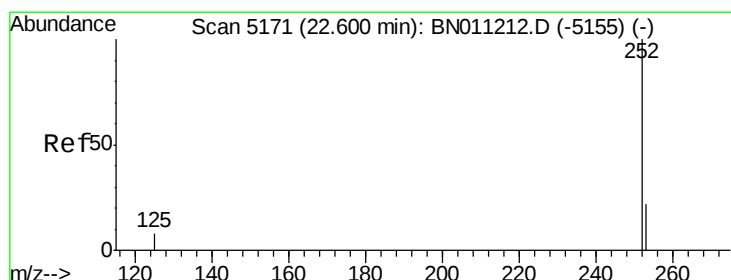
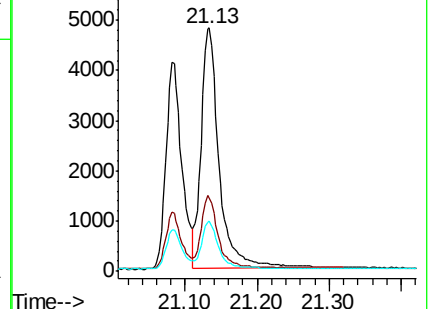
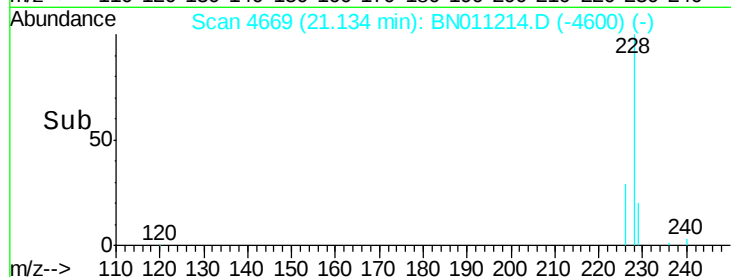
229 20.8 16.2 24.4



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: 0.779 ng/ul

RT: 22.60 min Scan# 5172

Delta R.T. 0.00 min

Lab File: BN011214.D

Acq: 21 Jul 2020 10:55

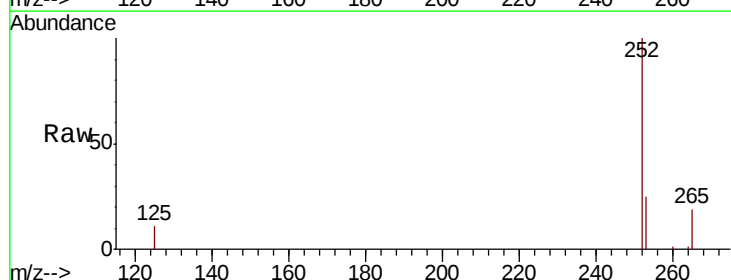
Tgt Ion:252 Resp: 10721

Ion Ratio Lower Upper

252 100

253 25.2 0.0 61.0

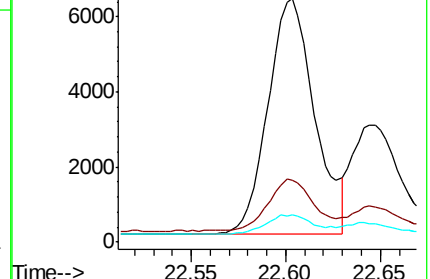
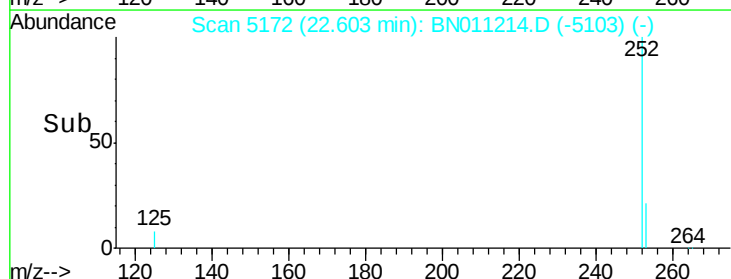
125 11.2 0.0 29.4

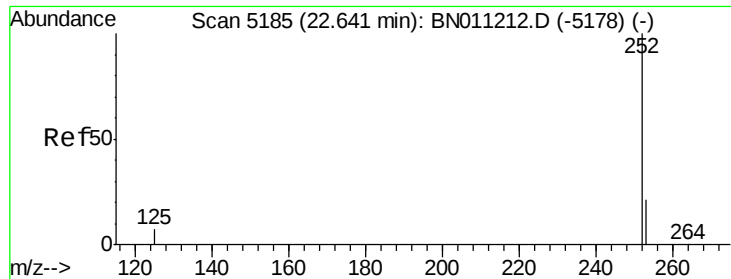


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.365 ng/ul

RT: 22.65 min Scan# 5187

Delta R.T. 0.01 min

Lab File: BN011214.D

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Instrument :

BNA\_N

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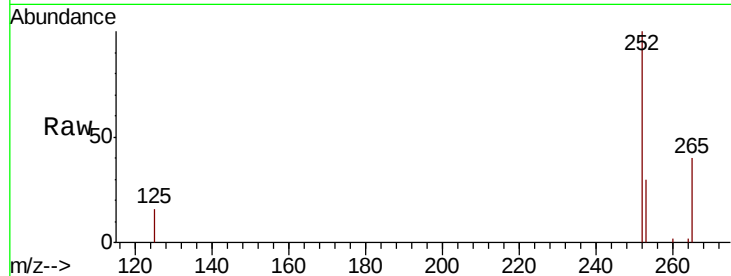
Tot Ion:252 Resp: 5762

Ion Ratio Lower Upper

252 100

253 29.7 23.2 34.8

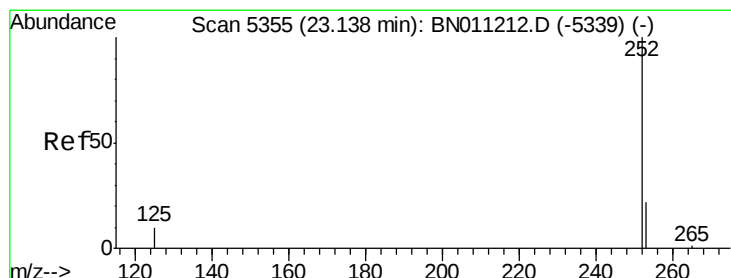
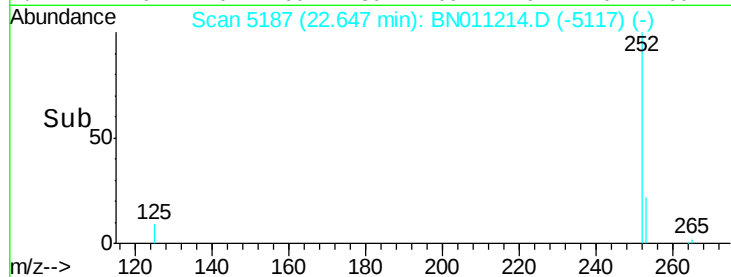
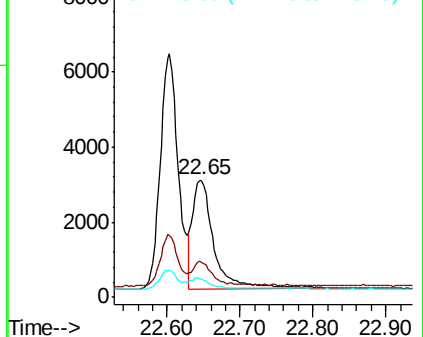
125 15.7 12.4 18.6



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: 0.367 ng/ul

RT: 23.14 min Scan# 5357

Delta R.T. 0.01 min

Lab File: BN011214.D

Acq: 21 Jul 2020 10:55

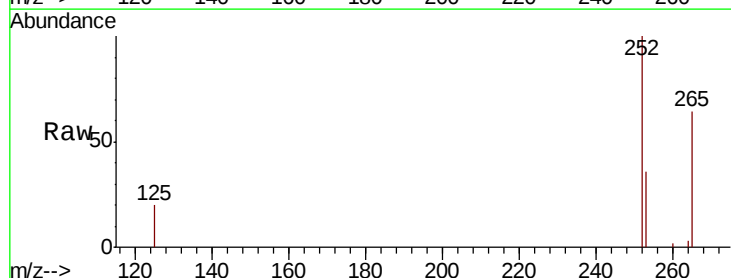
Tgt Ion:252 Resp: 4249

Ion Ratio Lower Upper

252 100

253 35.7 28.3 42.5

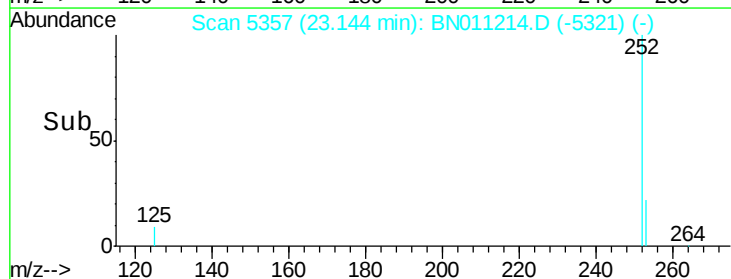
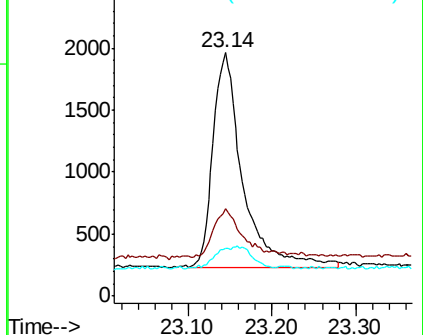
125 19.7 15.8 23.6

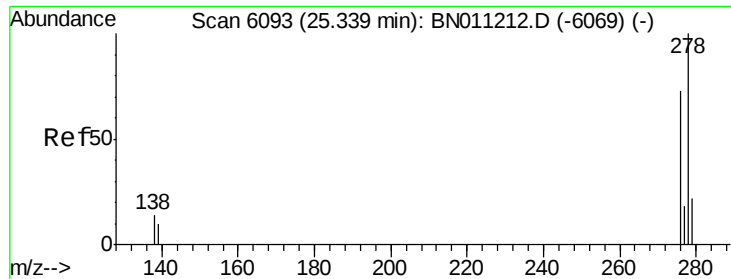


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

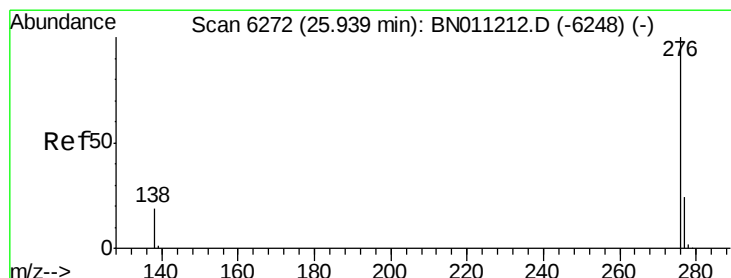
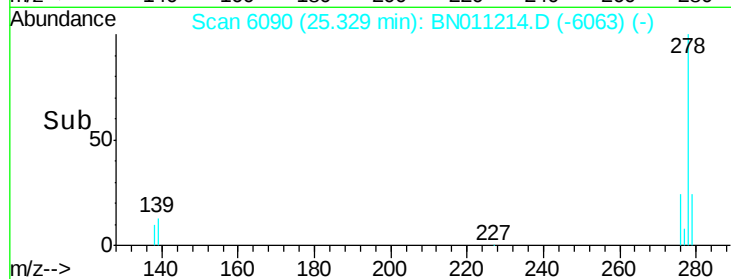
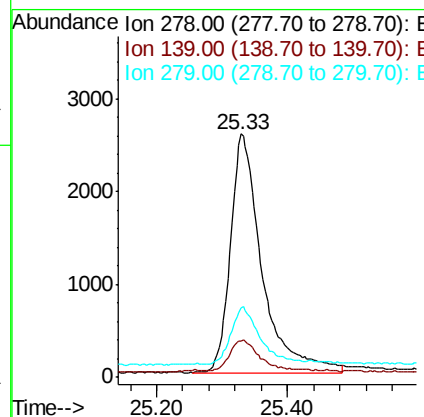
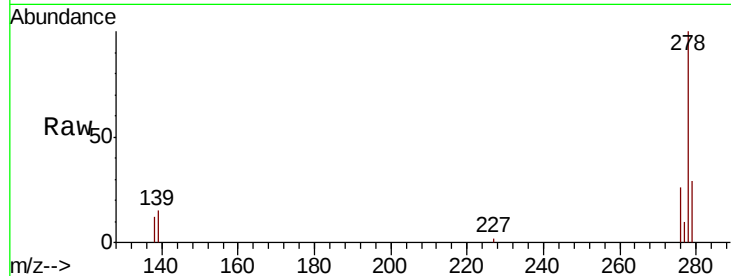




#25  
Dibenzo(a,h)anthracene  
Concen: 0.836 ng/ul  
RT: 25.33 min Scan# 6090  
Delta R.T. -0.01 min  
Lab File: BN011214.D  
Acq: 21 Jul 2020 10:55

Instrument :  
BNA\_N  
ClientSampleId :  
X2M73

Tot Ion:278 Resp: 8594  
Ion Ratio Lower Upper  
278 100  
139 14.9 15.2 22.8#  
279 28.8 27.8 41.8



#26  
Benzo(g,h,i)perylene  
Concen: 0.331 ng/ul  
RT: 25.95 min Scan# 6275  
Delta R.T. 0.01 min  
Lab File: BN011214.D  
Acq: 21 Jul 2020 10:55

Tgt Ion:276 Resp: 4490  
Ion Ratio Lower Upper  
276 100  
138 20.2 17.1 25.7  
277 25.4 21.0 31.4

