

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101420\  
 Data File : BN012283.D  
 Acq On : 17 Oct 2020 00:54  
 Operator : CG/JU  
 Sample : L4201-17DL 10X  
 Misc :  
 ALS Vial : 95 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0AK3DL

Quant Time: Oct 17 03:21:47 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101420.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 16 23:42:05 2020  
 Response via : Initial Calibration

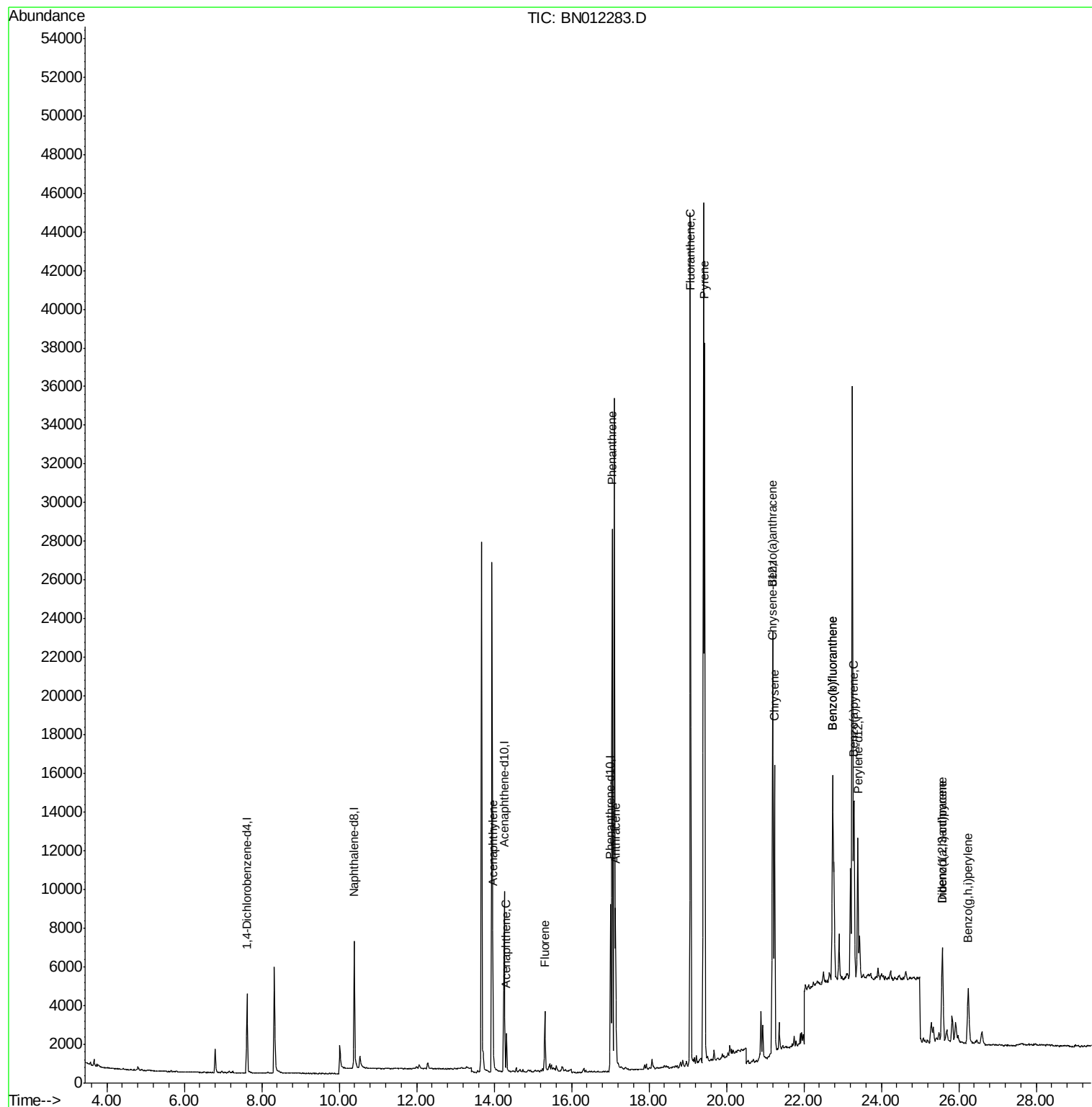
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.62  | 152  | 2181     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.39 | 136  | 9246     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.26 | 164  | 5269     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.01 | 188  | 10400    | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.21 | 240  | 8502     | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.39 | 264  | 8722     | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.99 | 152  | 237      | 0.02   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.04 | 212  | 491      | 0.02   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 7) Acenaphthylene           | 13.97 | 152  | 777      | 0.034  | ng/ul# | 80       |
| 8) Acenaphthene             | 14.32 | 153  | 1154     | 0.060  | ng/ul  | 97       |
| 9) Fluorene                 | 15.31 | 166  | 2082     | 0.097  | ng/ul  | 98       |
| 12) Phenanthrene            | 17.05 | 178  | 29038    | 0.876  | ng/ul  | 98       |
| 13) Anthracene              | 17.14 | 178  | 8465     | 0.298  | ng/ul  | 100      |
| 15) Fluoranthene            | 19.07 | 202  | 38770    | 1.000  | ng/ul  | 98       |
| 17) Pyrene                  | 19.44 | 202  | 30739    | 0.802  | ng/ul  | 99       |
| 18) Benzo(a)anthracene      | 21.19 | 228  | 17196    | 0.546  | ng/ul  | 98       |
| 19) Chrysene                | 21.24 | 228  | 14345    | 0.374  | ng/ul  | 97       |
| 21) Benzo(b)fluoranthene    | 22.74 | 252  | 23458    | 0.666  | ng/ul  | 95       |
| 22) Benzo(k)fluoranthene    | 22.74 | 252  | 23458    | 0.602  | ng/ul# | 93       |
| 23) Benzo(a)pyrene          | 23.30 | 252  | 11697    | 0.341  | ng/ul  | 98       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.58 | 276  | 7237     | 0.164  | ng/ul# | 100      |
| 25) Dibenzo(a,h)anthracene  | 25.58 | 278  | 2136     | 0.061  | ng/ul# | 36       |
| 26) Benzo(g,h,i)perylene    | 26.24 | 276  | 5721     | 0.142  | ng/ul# | 82       |

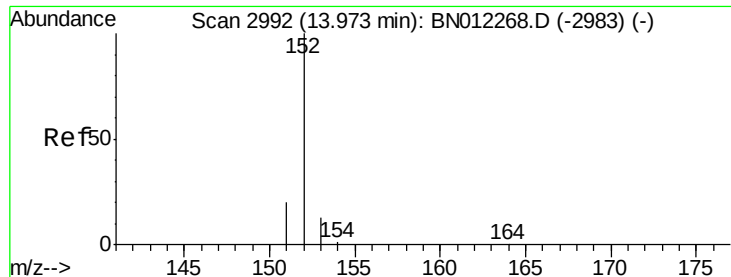
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 95 Sample Multiplier: 1

Instrument :  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 16 23:42:05 2020  
Response via : Initial Calibration





#7

Acenaphthylene

Concen: 0.034 ng/ul

RT: 13.97 min Scan# 2992

Delta R.T. -0.00 min

Lab File: BN012283.D

Acq: 17 Oct 2020 00:54

Instrument :

BNA\_N

ClientSampleId :

C0AK3DL

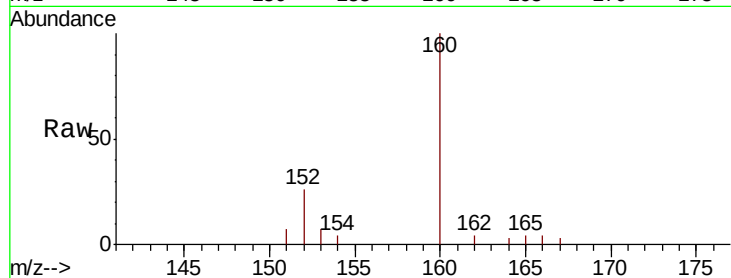
Tot Ion:152 Resp: 777

Ion Ratio Lower Upper

152 100

151 28.7 16.7 25.1#

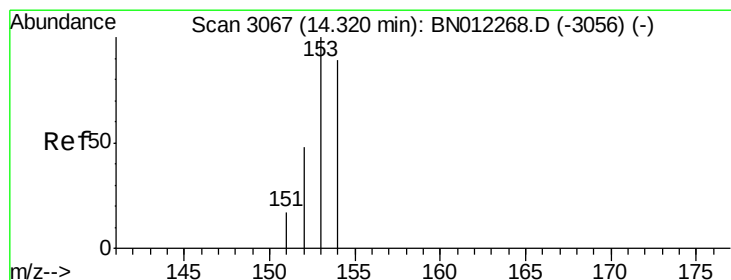
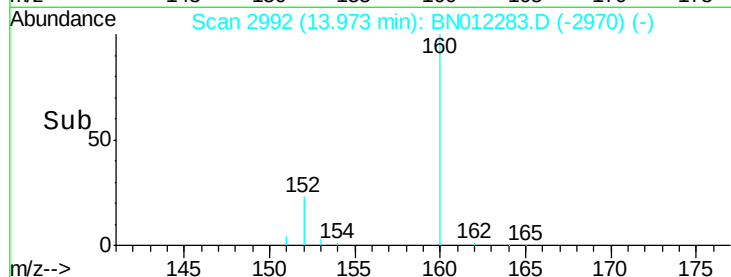
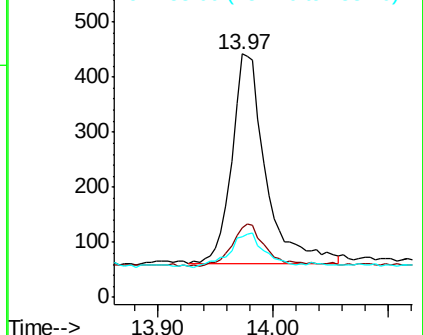
153 25.1 11.8 17.8#



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: 0.060 ng/ul

RT: 14.32 min Scan# 3067

Delta R.T. -0.00 min

Lab File: BN012283.D

Acq: 17 Oct 2020 00:54

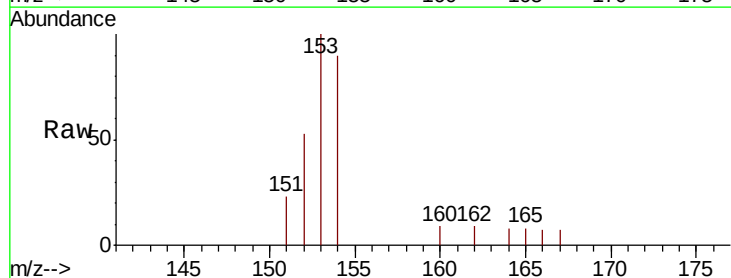
Tgt Ion:153 Resp: 1154

Ion Ratio Lower Upper

153 100

152 52.7 38.2 57.2

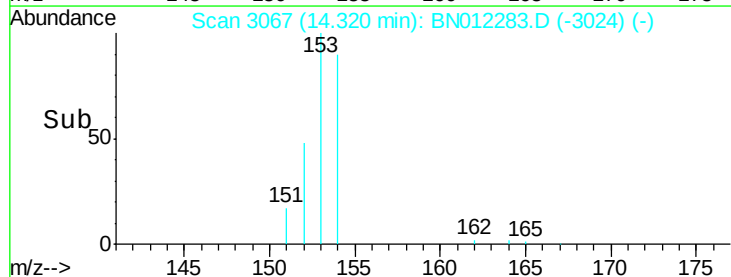
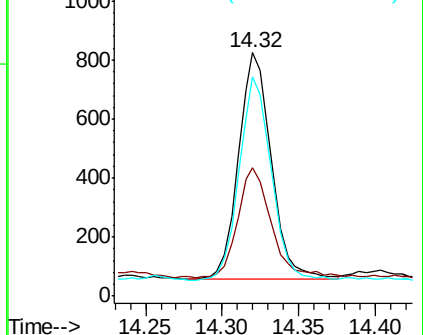
154 90.1 71.1 106.7

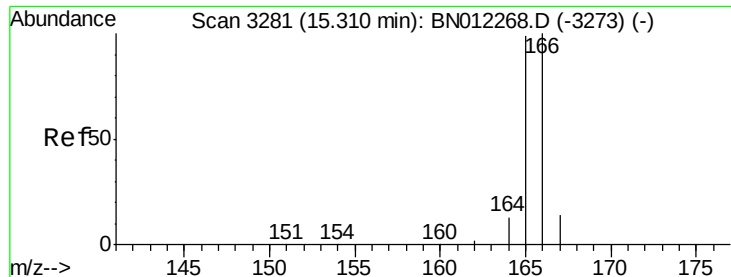


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

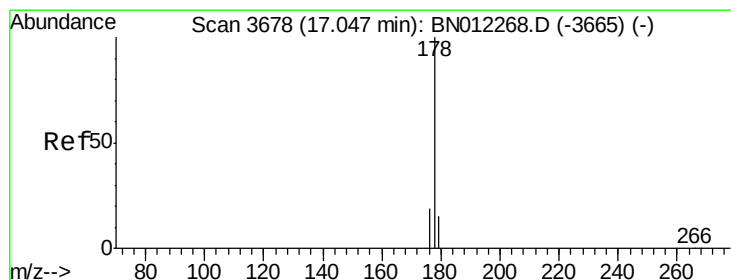
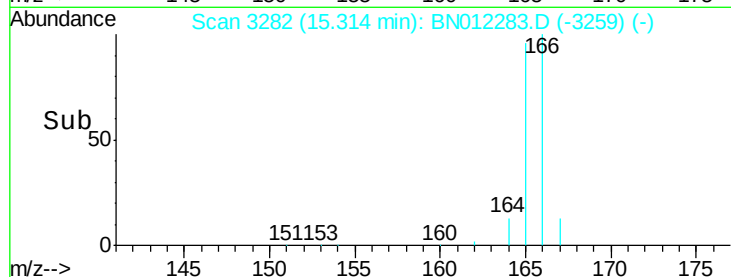
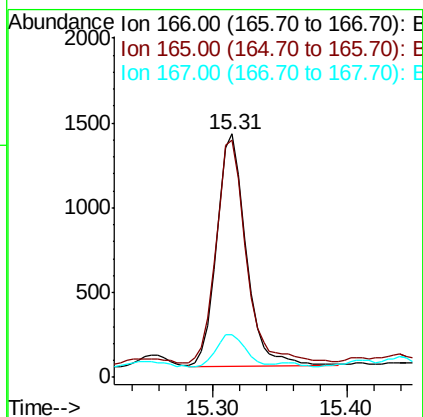
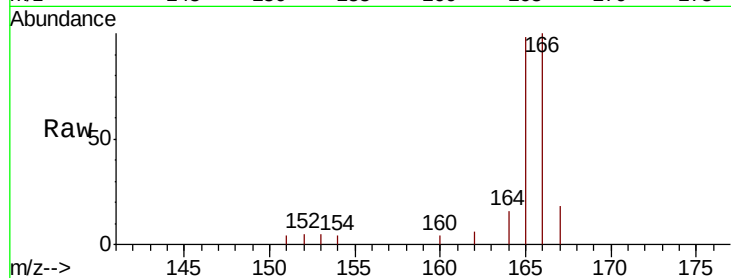




#9  
**Fluorene**  
 Concen: 0.097 ng/ul  
 RT: 15.31 min Scan# 3282  
 Delta R.T. 0.00 min  
 Lab File: BN012283.D  
 Acq: 17 Oct 2020 00:54

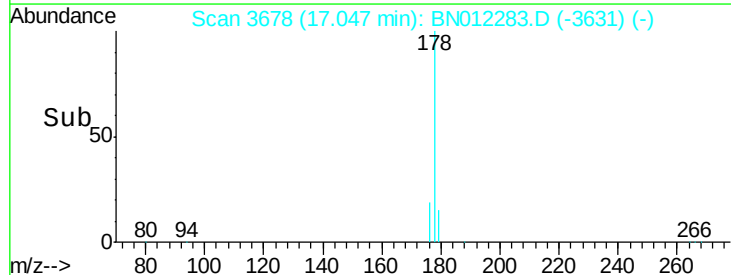
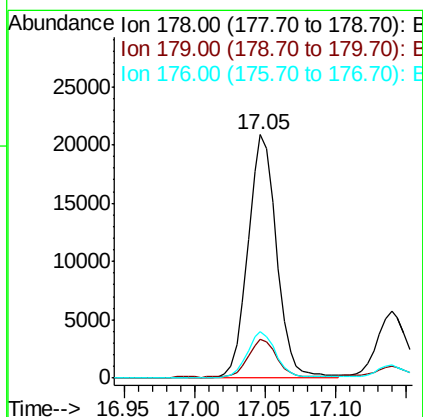
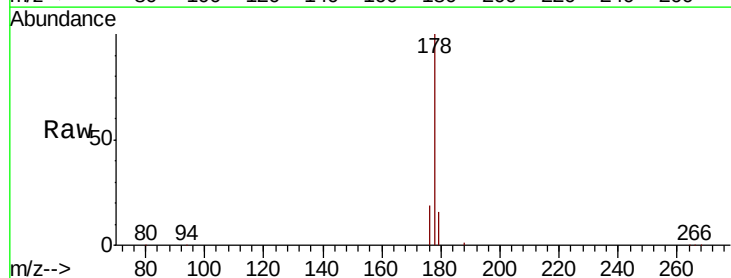
Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0AK3DL

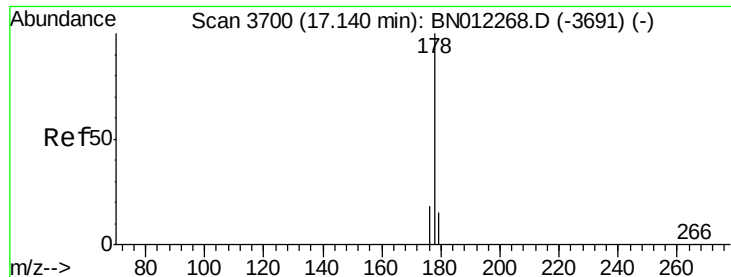
Tot Ion:166 Resp: 2082  
 Ion Ratio Lower Upper  
 166 100  
 165 97.6 78.6 118.0  
 167 17.6 11.9 17.9



#12  
**Phenanthrene**  
 Concen: 0.876 ng/ul  
 RT: 17.05 min Scan# 3678  
 Delta R.T. -0.00 min  
 Lab File: BN012283.D  
 Acq: 17 Oct 2020 00:54

Tgt Ion:178 Resp: 29038  
 Ion Ratio Lower Upper  
 178 100  
 179 15.8 13.4 20.2  
 176 19.0 15.7 23.5





#13

Anthracene

Concen: 0.298 ng/ul

RT: 17.14 min Scan# 3700

Delta R.T. -0.00 min

Lab File: BN012283.D

Acq: 17 Oct 2020 00:54

Instrument :

BNA\_N

ClientSampleId :

C0AK3DL

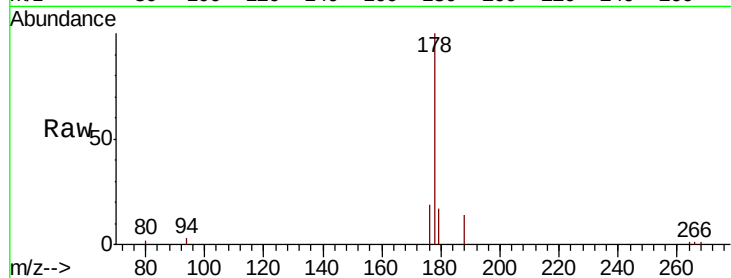
Tot Ion:178 Resp: 8465

Ion Ratio Lower Upper

178 100

179 17.1 13.9 20.9

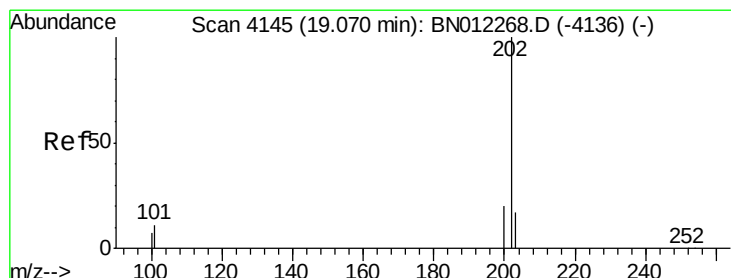
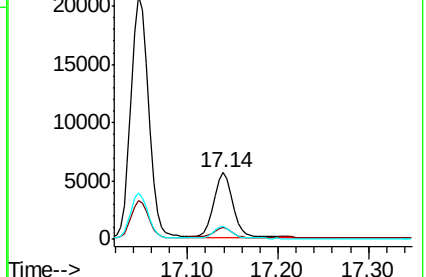
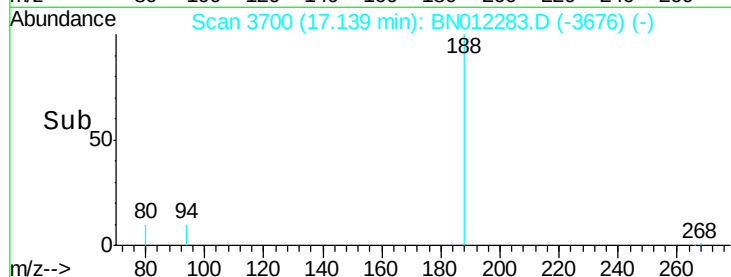
176 19.3 15.4 23.0



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: 1.000 ng/ul

RT: 19.07 min Scan# 4146

Delta R.T. 0.00 min

Lab File: BN012283.D

Acq: 17 Oct 2020 00:54

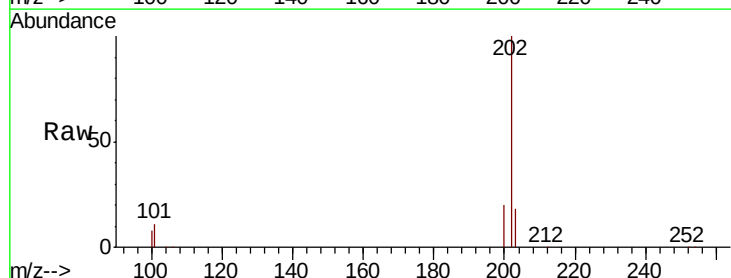
Tgt Ion:202 Resp: 38770

Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.0

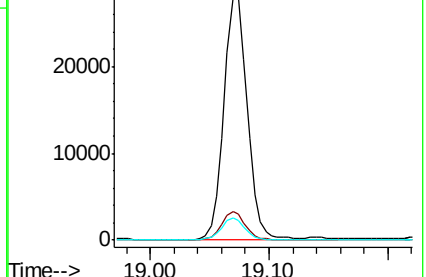
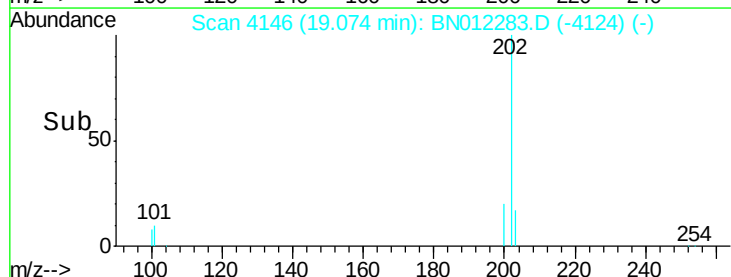
100 7.9 0.0 28.7

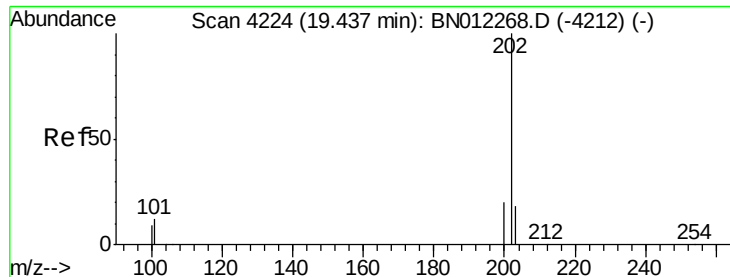


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#17

Pvrene

Concen: 0.802 ng/ul

RT: 19.44 min Scan# 4224

Delta R.T. -0.00 min

Lab File: BN012283.D

Acq: 17 Oct 2020 00:54

Instrument :

BNA\_N

ClientSampleId :

C0AK3DL

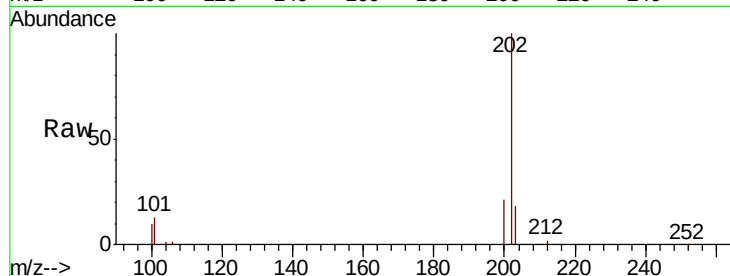
Tot Ion:202 Resp: 30739

Ion Ratio Lower Upper

202 100

101 12.6 9.9 14.9

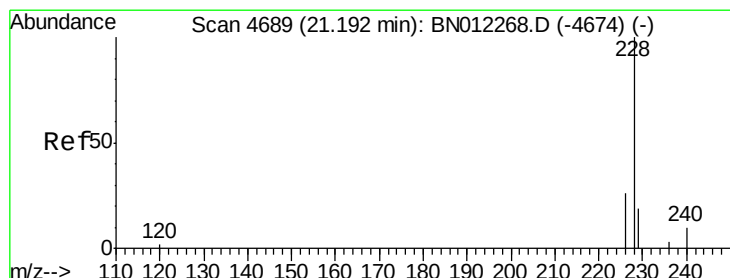
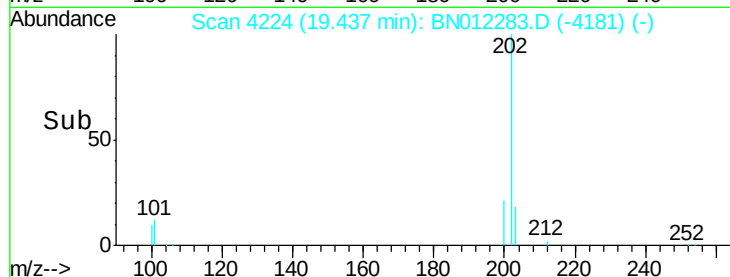
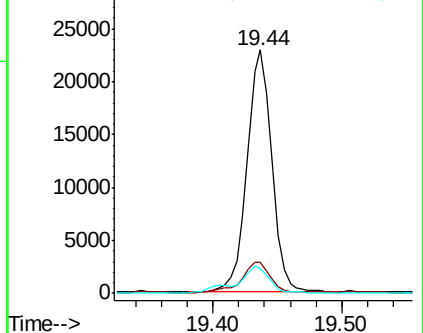
100 10.2 8.0 12.0



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): E



#18

Benzo(a)anthracene

Concen: 0.546 ng/ul

RT: 21.19 min Scan# 4689

Delta R.T. -0.00 min

Lab File: BN012283.D

Acq: 17 Oct 2020 00:54

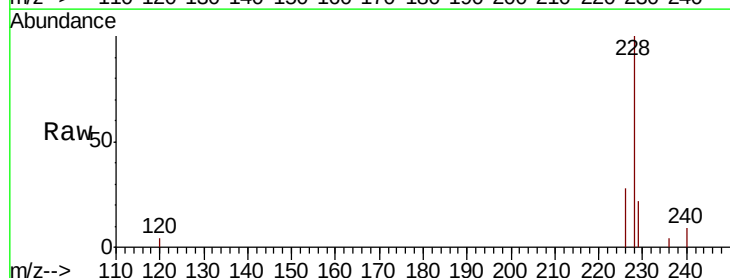
Tgt Ion:228 Resp: 17196

Ion Ratio Lower Upper

228 100

229 21.8 15.8 23.8

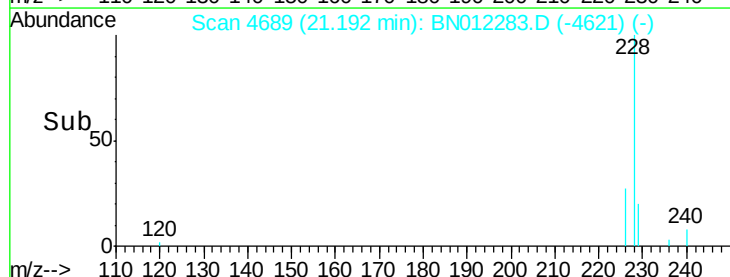
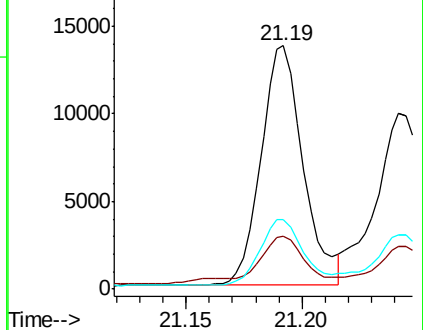
226 28.3 22.6 33.8

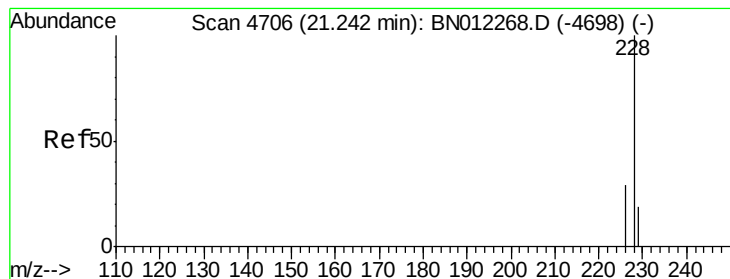


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.374 ng/ul

RT: 21.24 min Scan# 4706

Delta R.T. -0.00 min

Lab File: BN012283.D

Acq: 17 Oct 2020 00:54

Instrument :

BNA\_N

ClientSampleId :

C0AK3DL

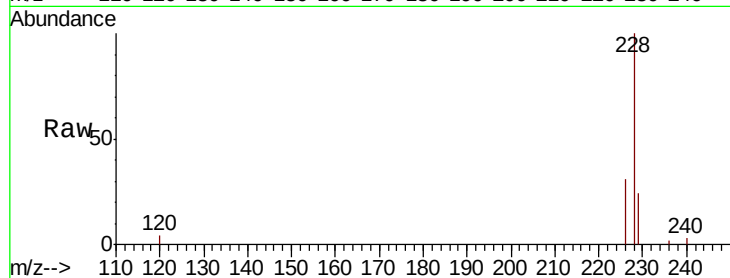
Tot Ion:228 Resp: 14345

Ion Ratio Lower Upper

228 100

226 30.9 24.6 37.0

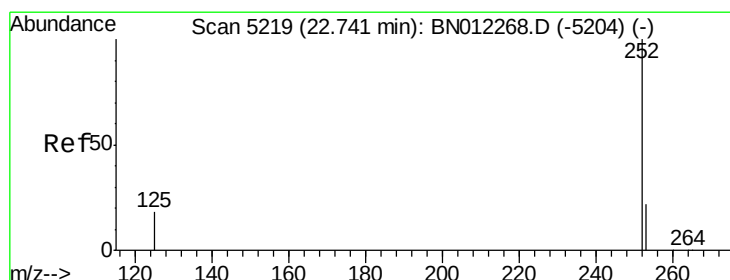
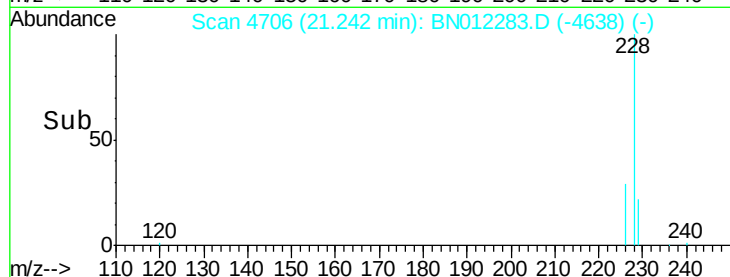
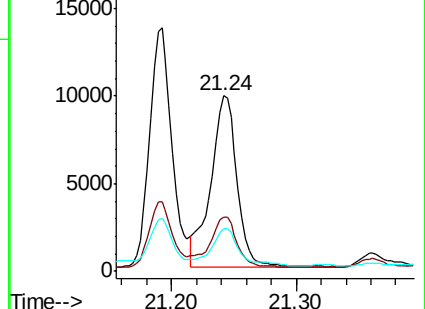
229 24.0 17.0 25.6



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: 0.666 ng/ul

RT: 22.74 min Scan# 5220

Delta R.T. 0.00 min

Lab File: BN012283.D

Acq: 17 Oct 2020 00:54

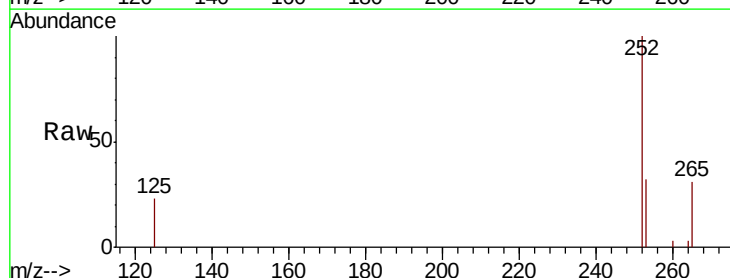
Tgt Ion:252 Resp: 23458

Ion Ratio Lower Upper

252 100

253 31.7 0.0 61.6

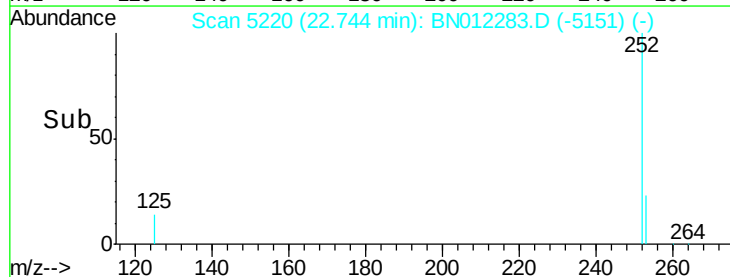
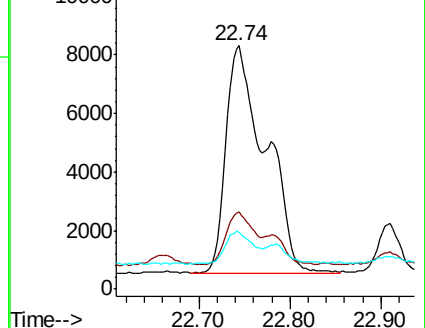
125 23.3 0.0 36.8

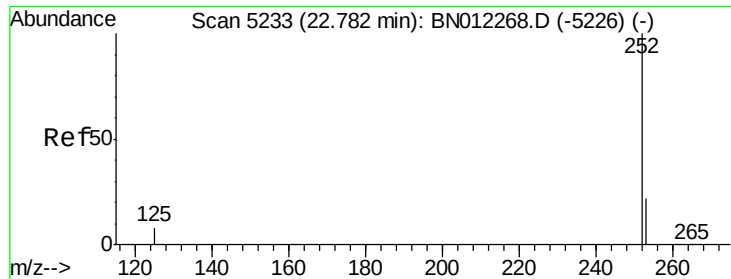


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.602 ng/ul

RT: 22.74 min Scan# 5220

Delta R.T. -0.04 min

Lab File: BN012283.D

Acq: 17 Oct 2020 00:54

Instrument :

BNA\_N

ClientSampleId :

C0AK3DL

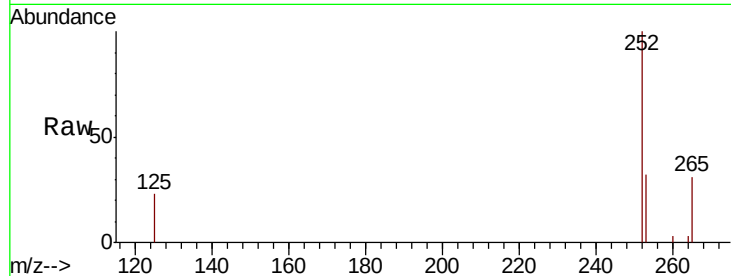
Tot Ion:252 Resp: 23458

Ion Ratio Lower Upper

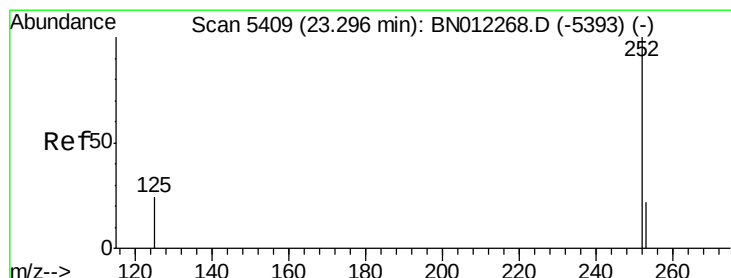
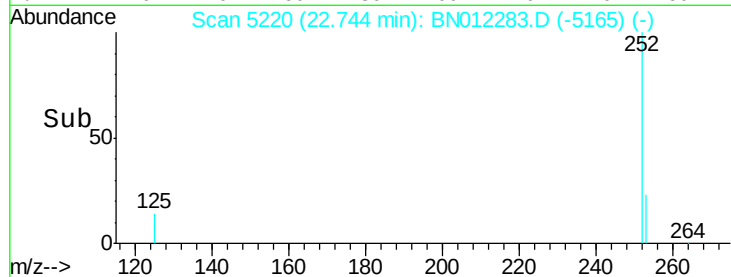
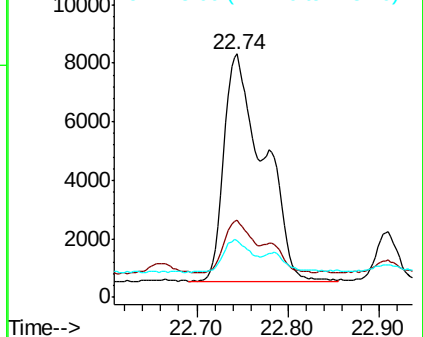
252 100

253 31.7 24.4 36.6

125 23.3 12.9 19.3#



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: 0.341 ng/ul

RT: 23.30 min Scan# 5410

Delta R.T. 0.00 min

Lab File: BN012283.D

Acq: 17 Oct 2020 00:54

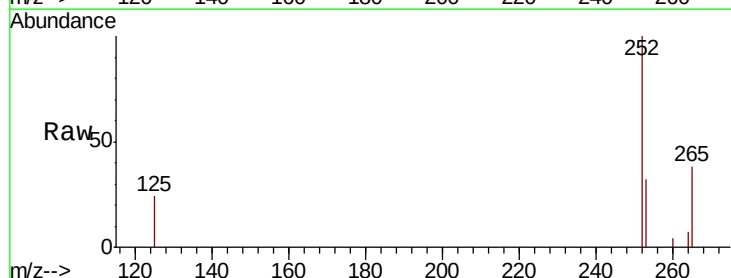
Tgt Ion:252 Resp: 11697

Ion Ratio Lower Upper

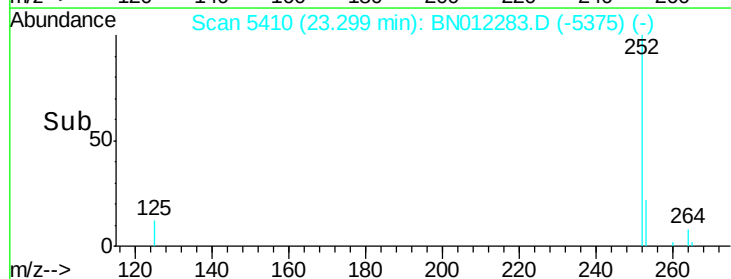
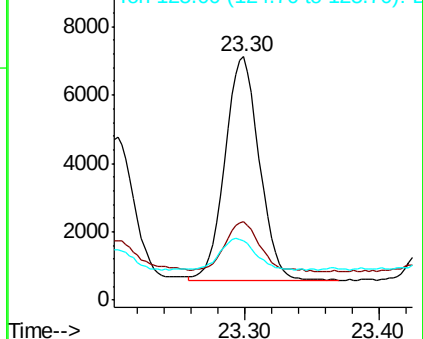
252 100

253 32.0 27.0 40.4

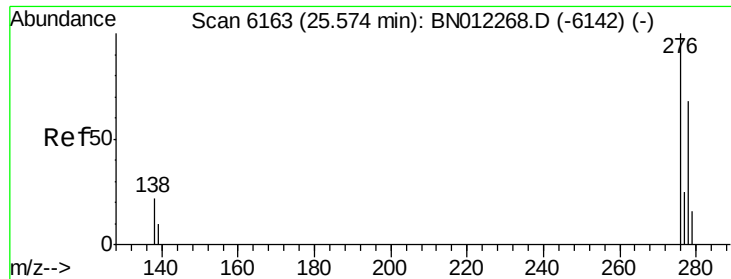
125 24.2 18.8 28.2



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



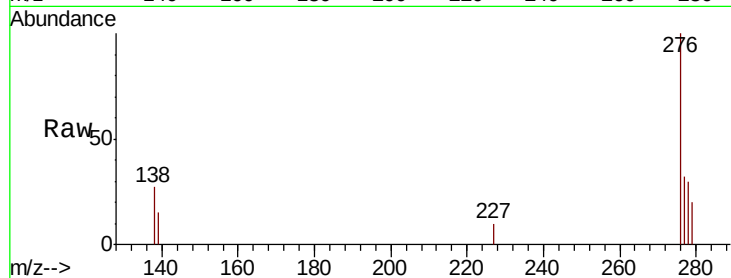




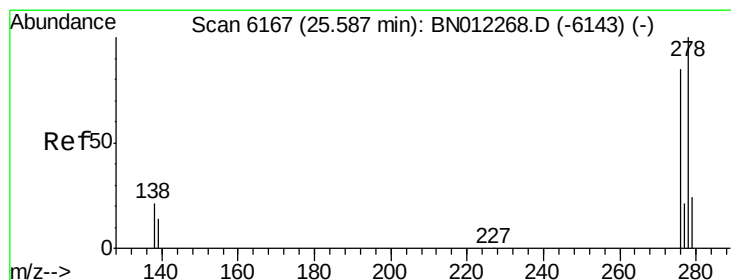
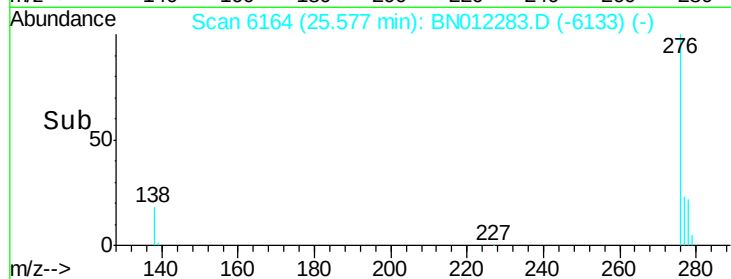
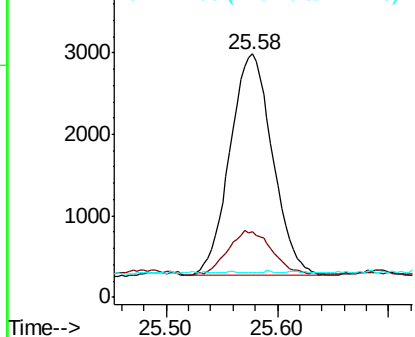
#24  
Indeno(1,2,3-cd)pyrene  
Concen: 0.164 ng/ul  
RT: 25.58 min Scan# 6164  
Delta R.T. 0.00 min  
Lab File: BN012283.D  
Acq: 17 Oct 2020 00:54

Instrument :  
BNA\_N  
ClientSampleId :  
C0AK3DL

Tot Ion:276 Resp: 7237  
Ion Ratio Lower Upper  
276 100  
138 20.8 0.0 0.0#  
227 0.4 0.0 0.0#

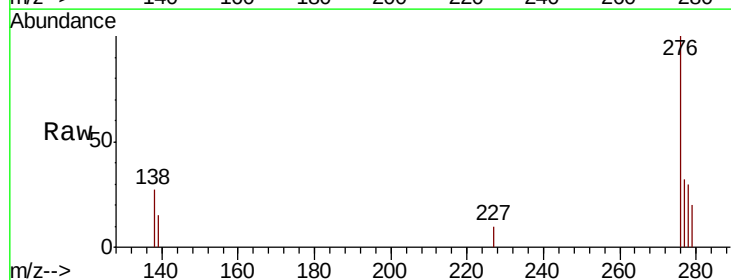


Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 227.00 (226.70 to 227.70): E

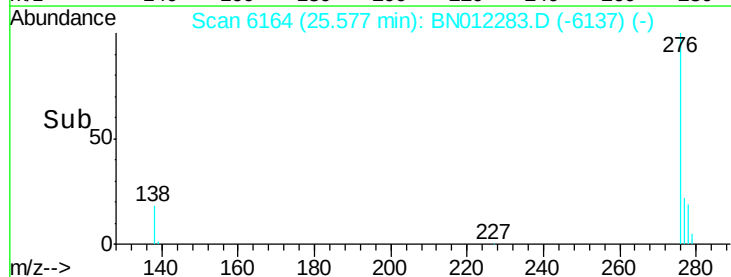
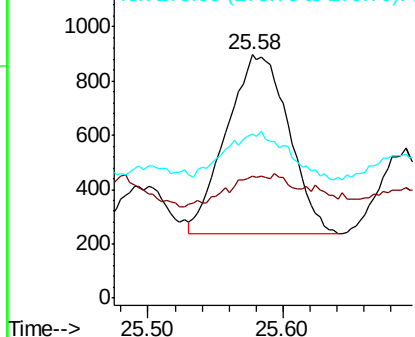


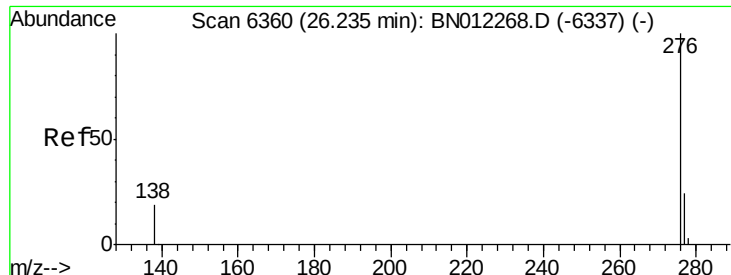
#25  
Dibenzo(a,h)anthracene  
Concen: 0.061 ng/ul  
RT: 25.58 min Scan# 6164  
Delta R.T. -0.01 min  
Lab File: BN012283.D  
Acq: 17 Oct 2020 00:54

Tgt Ion:278 Resp: 2136  
Ion Ratio Lower Upper  
278 100  
139 50.1 15.7 23.5#  
279 67.6 26.0 39.0#



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(a,h,i)perylene

Concen: 0.142 ng/ul

RT: 26.24 min Scan# 6363

Delta R.T. 0.01 min

Lab File: BN012283.D

Acq: 17 Oct 2020 00:54

Instrument :

BNA\_N

ClientSampleId :

C0AK3DL

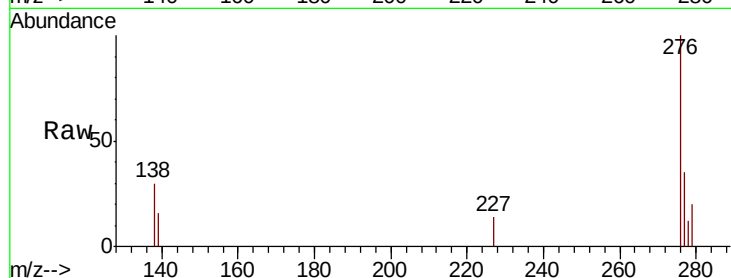
Tot Ion: 276 Resp: 5721

Ion Ratio Lower Upper

276 100

138 30.2 17.1 25.7#

277 34.9 21.1 31.7#



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

