

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101018\  
 Data File : BN003033.D  
 Acq On : 09 Oct 2018 18:56  
 Operator : MJ/SJ  
 Sample : J5157-03  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Oct 10 01:37:36 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN100918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 10 01:34:31 2018  
 Response via : Initial Calibration

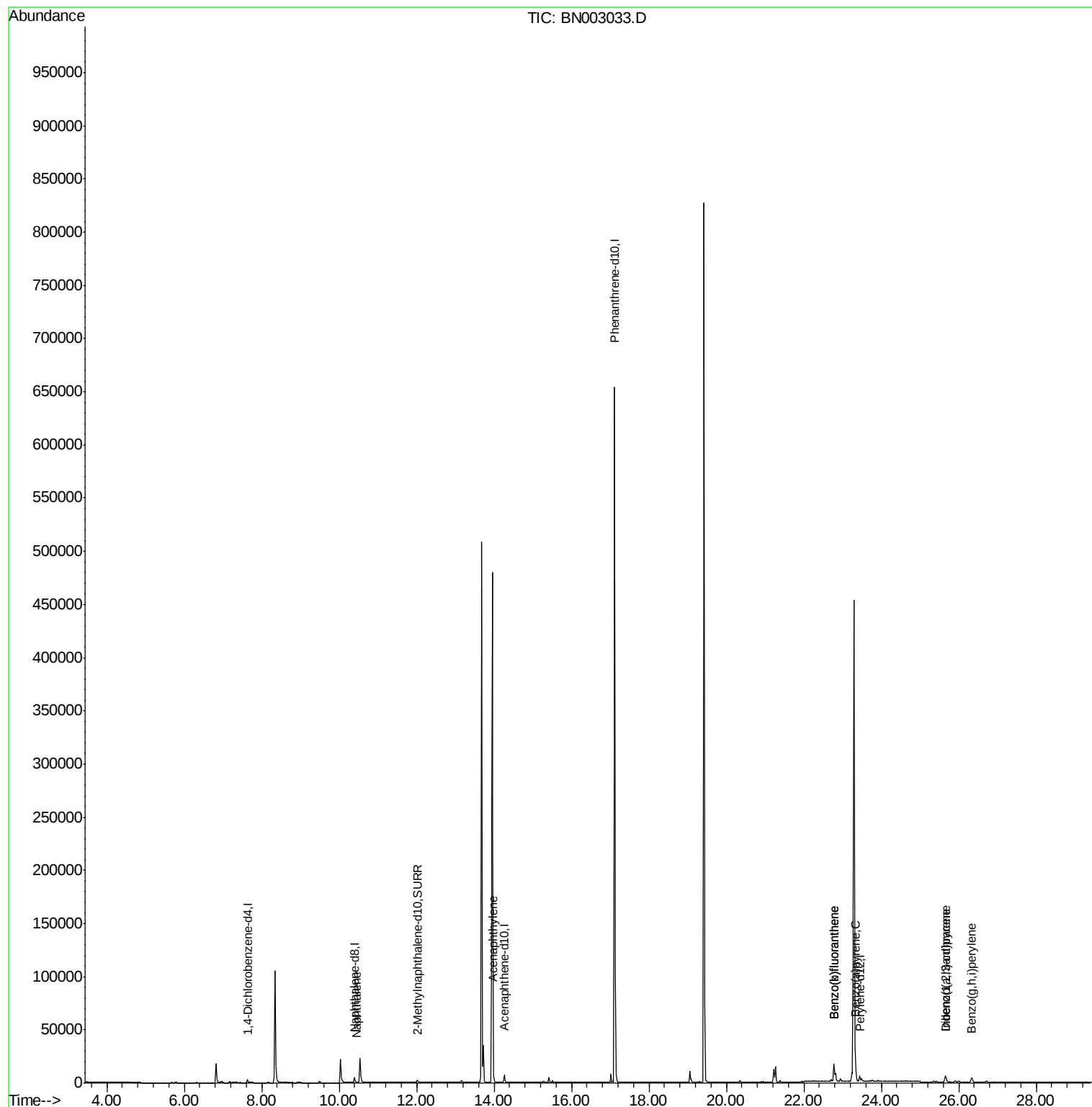
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.63  | 152  | 1620     | 0.40  | ng/ul  | -0.02    |
| 2) Naphthalene-d8           | 10.39 | 136  | 6770     | 0.40  | ng/ul  | -0.02    |
| 6) Acenaphthene-d10         | 14.26 | 164  | 4120     | 0.40  | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.12 | 188  | 752607   | 0.40  | ng/ul  | 0.08     |
| 16) Chrysene-d12            | 0.00  | 240  | 0        | 0.00  | ng/ul  | -21.23   |
| 20) Perylene-d12            | 23.44 | 264  | 7435     | 0.40  | ng/ul  | -0.01    |
| System Monitoring Compounds |       |      |          |       |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.01 | 152  | 4461     | 0.42  | ng/ul  | -0.02    |
| 14) Fluoranthene-d10        | 0.00  | 212  | 0        | 0.00  | ng/ul  |          |
| Target Compounds            |       |      |          |       |        |          |
| 3) Naphthalene              | 10.44 | 128  | 513      | 0.030 | ng/ul# | 68       |
| 7) Acenaphthylene           | 13.98 | 152  | 3022     | 0.160 | ng/ul  | 98       |
| 21) Benzo(b)fluoranthene    | 22.78 | 252  | 34461    | 1.287 | ng/ul  | 94       |
| 22) Benzo(k)fluoranthene    | 22.78 | 252  | 34461    | 1.241 | ng/ul  | 94       |
| 23) Benzo(a)pyrene          | 23.34 | 252  | 15455    | 0.644 | ng/ul# | 92       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.66 | 276  | 9390     | 0.341 | ng/ul# | 92       |
| 25) Dibenzo(a,h)anthracene  | 25.65 | 278  | 2839     | 0.129 | ng/ul# | 81       |
| 26) Benzo(g,h,i)perylene    | 26.33 | 276  | 8585     | 0.369 | ng/ul  | 99       |

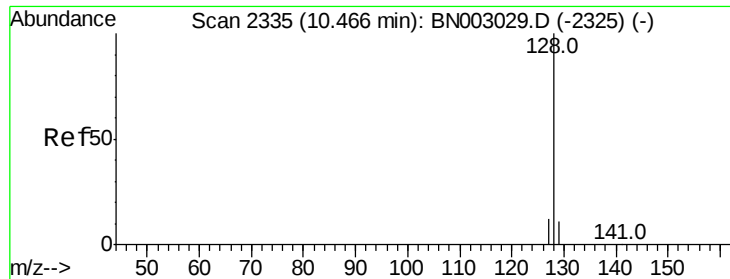
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.030 ng/ul

RT: 10.44 min Scan# 2331

Delta R.T. -0.02 min

Lab File: BN003033.D

Acq: 09 Oct 2018 18:56

Instrument :

BNA\_N

ClientSampleId :

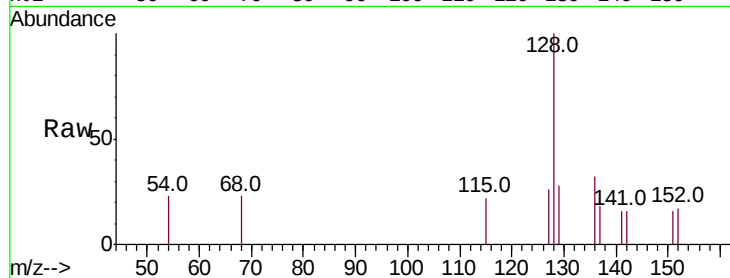
Tot Ion:128 Resp: 513

Ion Ratio Lower Upper

128 100

129 28.0 10.4 15.6#

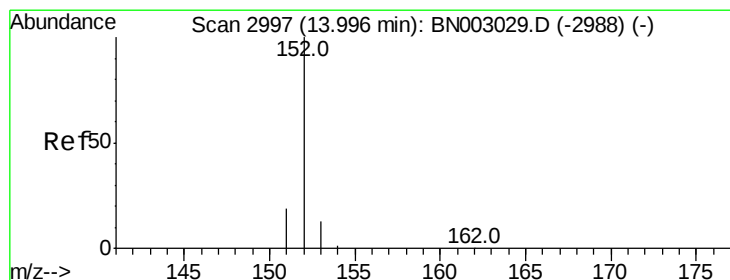
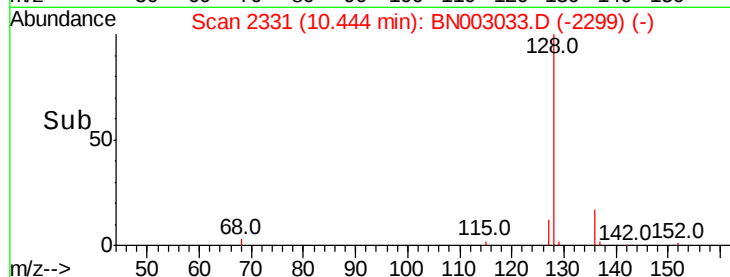
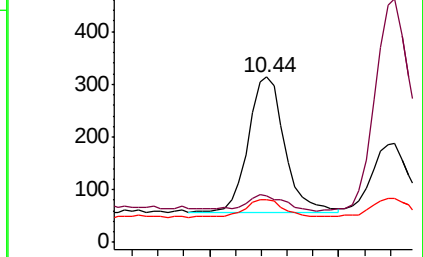
127 25.8 11.7 17.5#



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



#7

Acenaphthylene

Concen: 0.160 ng/ul

RT: 13.98 min Scan# 2994

Delta R.T. -0.01 min

Lab File: BN003033.D

Acq: 09 Oct 2018 18:56

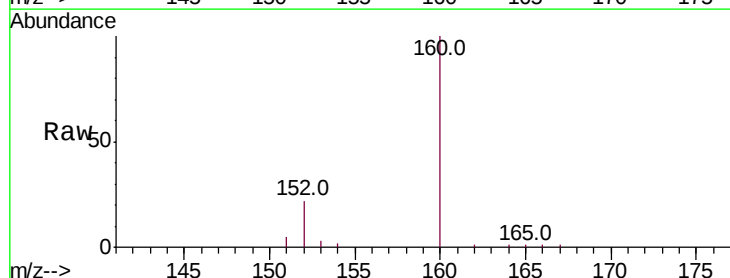
Tgt Ion:152 Resp: 3022

Ion Ratio Lower Upper

152 100

151 21.5 16.5 24.7

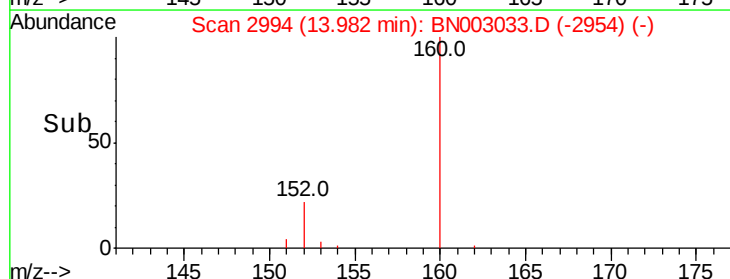
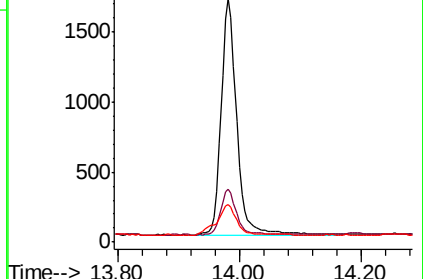
153 15.5 11.4 17.2

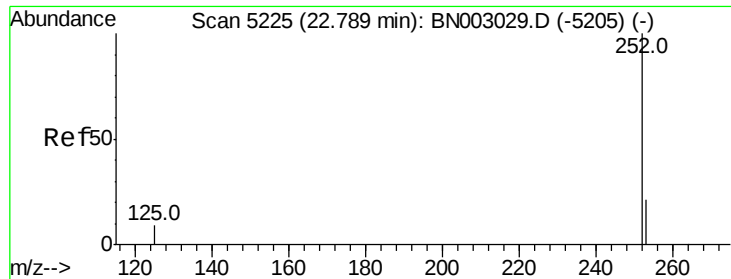


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

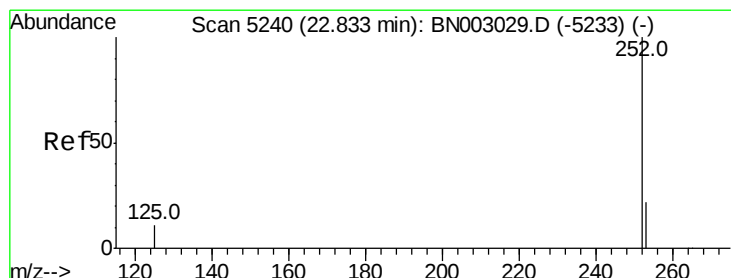
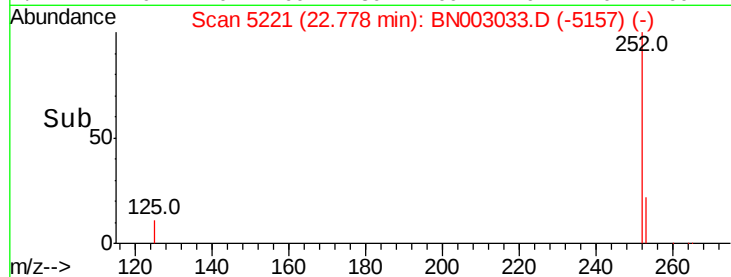
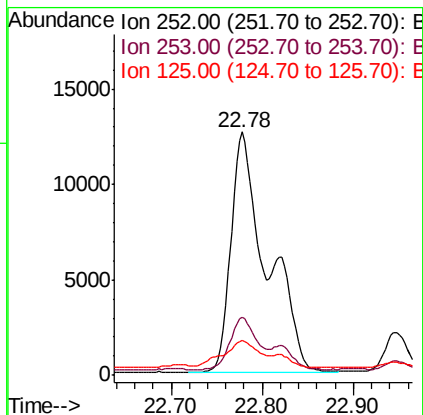
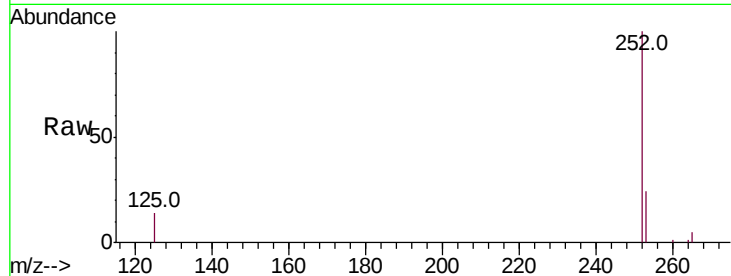




#21  
Benzo(b)fluoranthene  
Concen: 1.287 ng/ul  
RT: 22.78 min Scan# 5221  
Delta R.T. -0.01 min  
Lab File: BN003033.D  
Acq: 09 Oct 2018 18:56

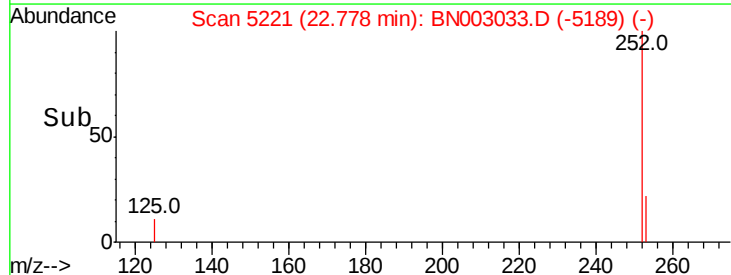
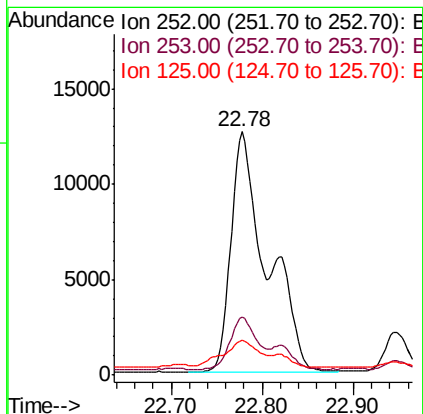
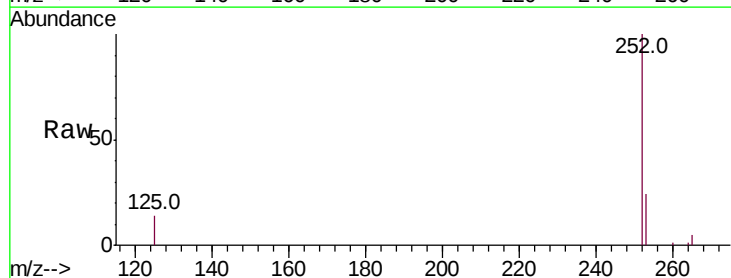
Instrument :  
BNA\_N  
ClientSampleId :

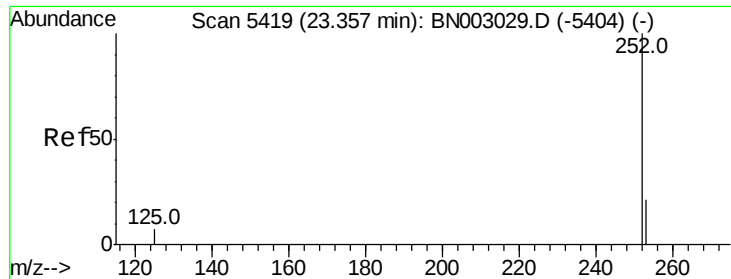
Tot Ion:252 Resp: 34461  
Ion Ratio Lower Upper  
252 100  
253 24.0 0.0 53.2  
125 14.4 0.0 34.2



#22  
Benzo(k)fluoranthene  
Concen: 1.241 ng/ul  
RT: 22.78 min Scan# 5221  
Delta R.T. -0.06 min  
Lab File: BN003033.D  
Acq: 09 Oct 2018 18:56

Tgt Ion:252 Resp: 34461  
Ion Ratio Lower Upper  
252 100  
253 24.0 21.3 31.9  
125 14.4 14.1 21.1





#23

Benzo(a)pyrene

Concen: 0.644 ng/ul

RT: 23.34 min Scan# 5412

Delta R.T. -0.02 min

Lab File: BN003033.D

Acq: 09 Oct 2018 18:56

Instrument :

BNA\_N

ClientSampleId :

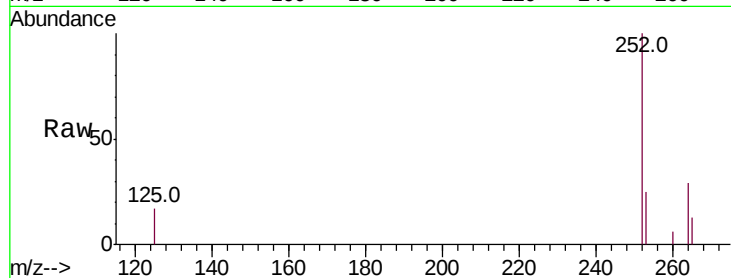
Tot Ion:252 Resp: 15455

Ion Ratio Lower Upper

252 100

253 24.8 23.1 34.7

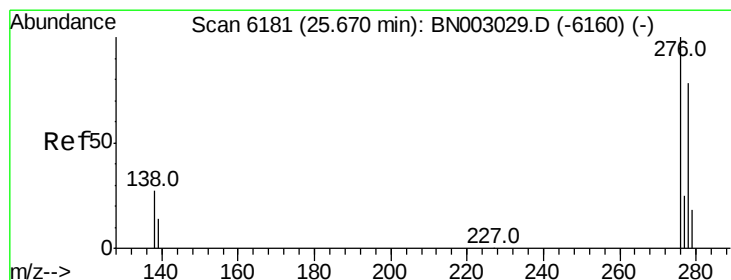
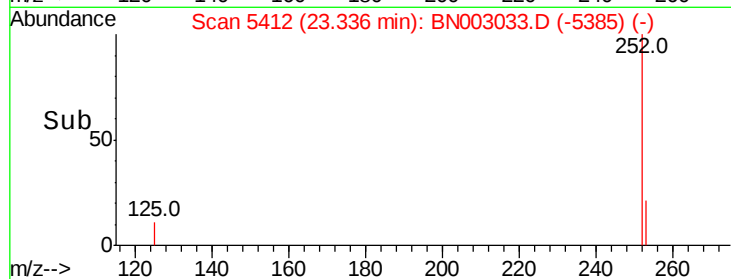
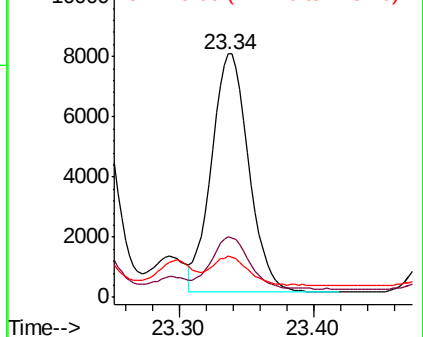
125 16.9 16.9 25.3#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.341 ng/ul

RT: 25.66 min Scan# 6178

Delta R.T. -0.01 min

Lab File: BN003033.D

Acq: 09 Oct 2018 18:56

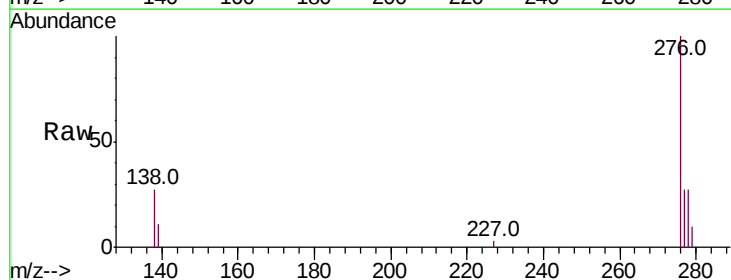
Tgt Ion:276 Resp: 9390

Ion Ratio Lower Upper

276 100

138 23.0 21.5 32.3

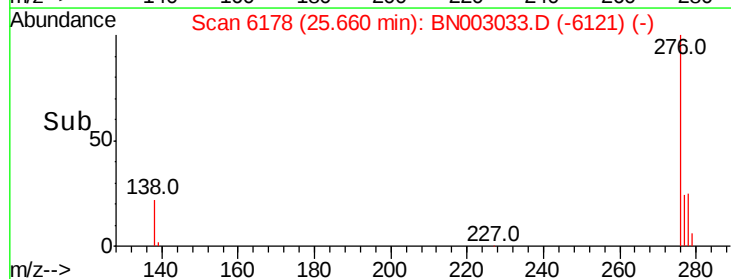
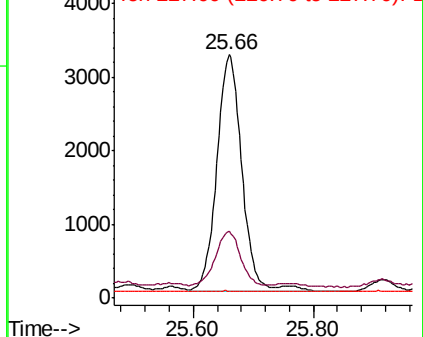
227 0.2 0.3 0.5#

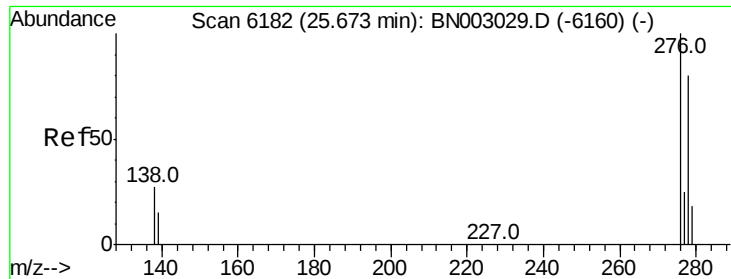


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



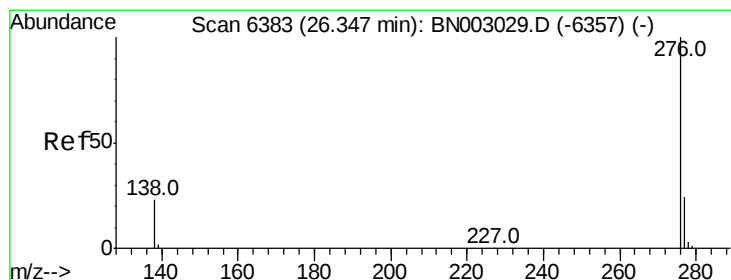
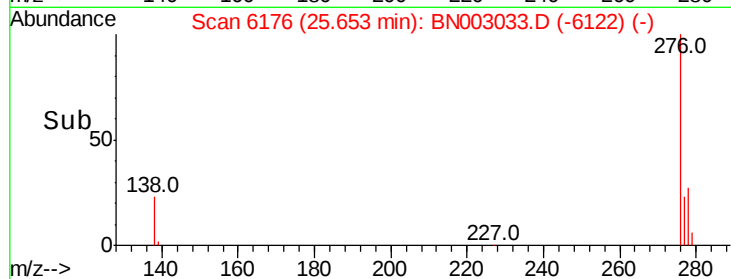
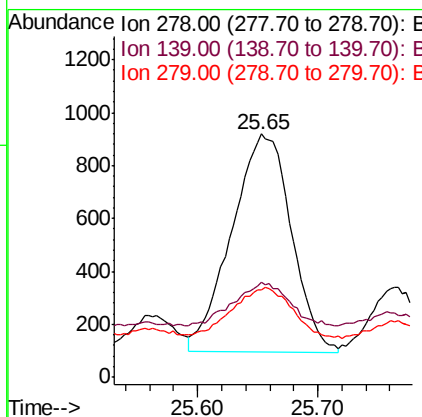
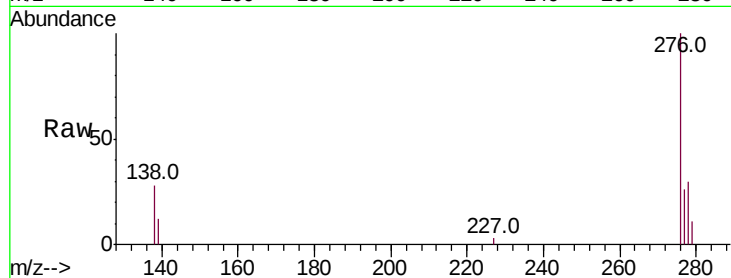


#25

Dibenzo(a,h)anthracene  
 Concen: 0.129 ng/ul  
 RT: 25.65 min Scan# 6176  
 Delta R.T. -0.02 min  
 Lab File: BN003033.D  
 Acq: 09 Oct 2018 18:56

Instrument :  
 BNA\_N  
 ClientSampleId :

Tot Ion:278 Resp: 2839  
 Ion Ratio Lower Upper  
 278 100  
 139 38.9 20.2 30.4#  
 279 36.0 23.8 35.8#



#26

Benzo(g,h,i)perylene  
 Concen: 0.369 ng/ul  
 RT: 26.33 min Scan# 6379  
 Delta R.T. -0.01 min  
 Lab File: BN003033.D  
 Acq: 09 Oct 2018 18:56

Tgt Ion:276 Resp: 8585  
 Ion Ratio Lower Upper  
 276 100  
 138 28.7 23.0 34.4  
 277 26.5 22.0 33.0

