

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101719\  
 Data File : BN008234.D  
 Acq On : 17 Oct 2019 22:58  
 Operator : JU  
 Sample : K5177-07  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Oct 18 01:59:38 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 17 01:48:53 2019  
 Response via : Initial Calibration

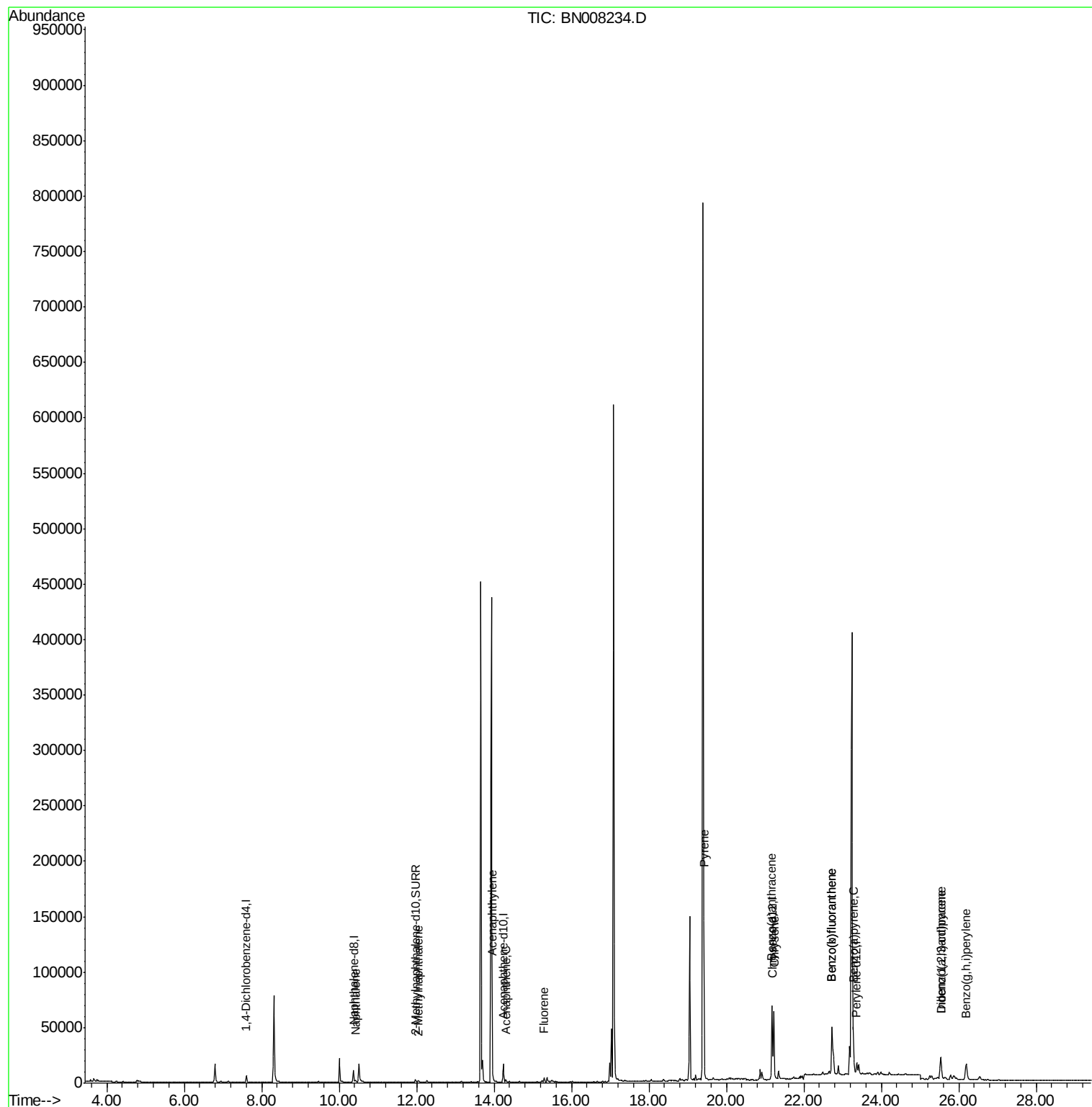
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.60  | 152  | 3114     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.37 | 136  | 14853    | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.24 | 164  | 9082     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 0.00  | 188  | 0        | 0.00   | ng/ul  | -16.99   |
| 16) Chrysene-d12            | 21.19 | 240  | 14220    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.37 | 264  | 12631    | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.97 | 152  | 3565     | 0.14   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.02 | 212  | 9710     | 0.00   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 3) Naphthalene              | 10.42 | 128  | 2452     | 0.058  | ng/ul# | 91       |
| 5) 2-Methylnaphthalene      | 12.04 | 142  | 1307     | 0.045  | ng/ul  | 99       |
| 7) Acenaphthylene           | 13.95 | 152  | 5482     | 0.127  | ng/ul  | 94       |
| 8) Acenaphthene             | 14.30 | 153  | 1644     | 0.049  | ng/ul  | 98       |
| 9) Fluorene                 | 15.29 | 166  | 2347     | 0.061  | ng/ul# | 96       |
| 17) Pyrene                  | 19.42 | 202  | 115589   | 2.042  | ng/ul  | 99       |
| 18) Benzo(a)anthracene      | 21.17 | 228  | 54138    | 1.047  | ng/ul  | 96       |
| 19) Chrysene                | 21.22 | 228  | 62772    | 0.989  | ng/ul  | 97       |
| 21) Benzo(b)fluoranthene    | 22.72 | 252  | 91507    | 2.225  | ng/ul  | 96       |
| 22) Benzo(k)fluoranthene    | 22.72 | 252  | 91507    | 1.965  | ng/ul  | 96       |
| 23) Benzo(a)pyrene          | 23.27 | 252  | 45886    | 1.060  | ng/ul  | 95       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.53 | 276  | 33596    | 0.659  | ng/ul# | 97       |
| 25) Dibenzo(a,h)anthracene  | 25.54 | 278  | 7602     | 0.189  | ng/ul# | 68       |
| 26) Benzo(g,h,i)perylene    | 26.19 | 276  | 31811    | 0.681  | ng/ul  | 96       |

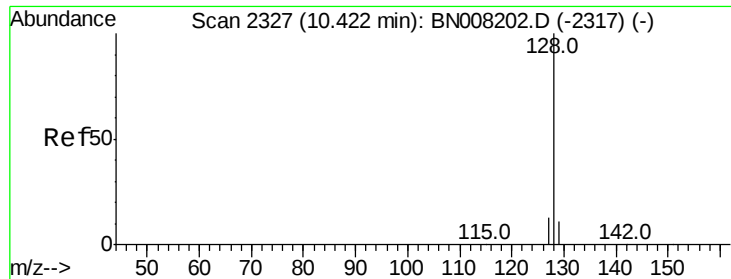
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 17 01:48:53 2019  
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#3

Naphthalene

Concen: 0.058 ng/ul

RT: 10.42 min Scan# 2326

Delta R.T. -0.01 min

Lab File: BN008234.D

Acq: 17 Oct 2019 22:58

Instrument :

BNA\_N

ClientSampleId :

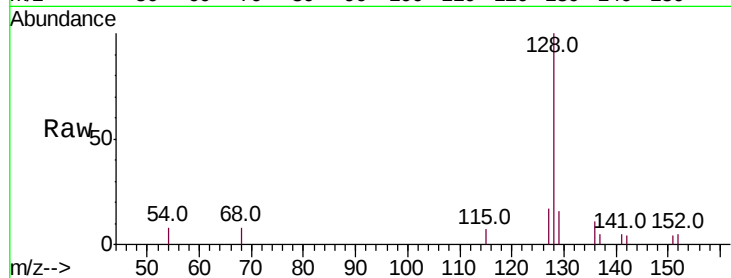
Tot Ion:128 Resp: 2452

Ion Ratio Lower Upper

128 100

129 16.2 9.8 14.8#

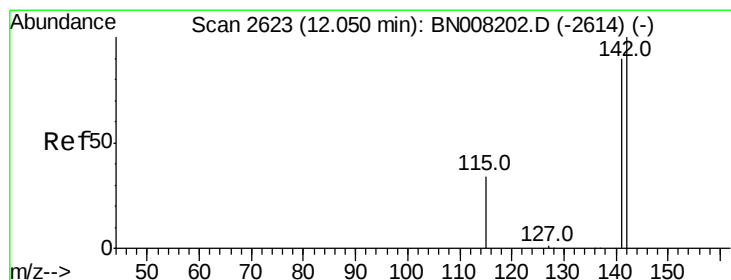
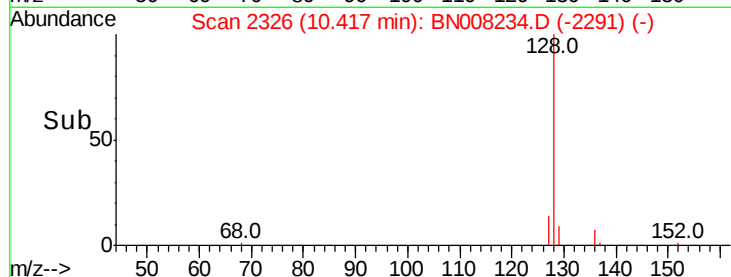
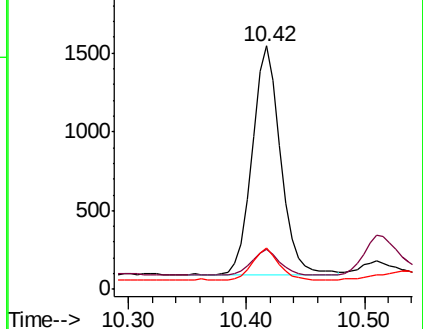
127 16.9 11.1 16.7#



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: 0.045 ng/ul

RT: 12.04 min Scan# 2621

Delta R.T. -0.01 min

Lab File: BN008234.D

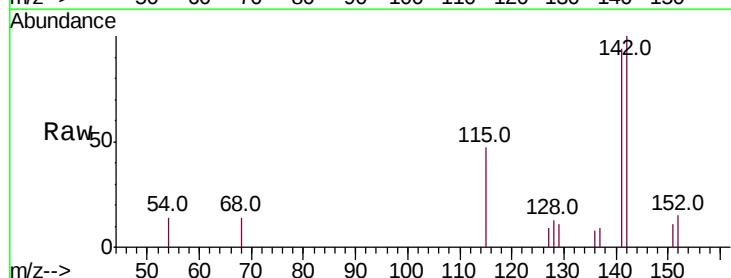
Acq: 17 Oct 2019 22:58

Tgt Ion:142 Resp: 1307

Ion Ratio Lower Upper

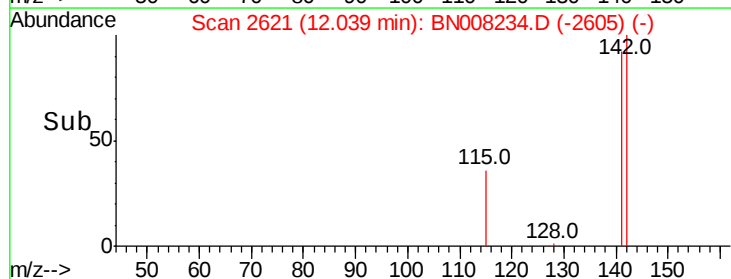
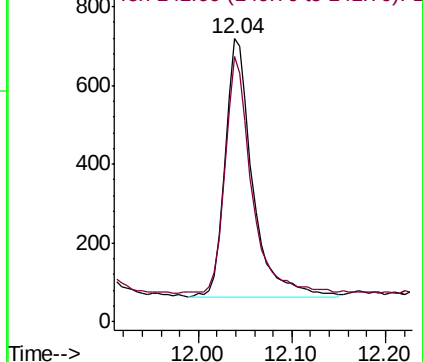
142 100

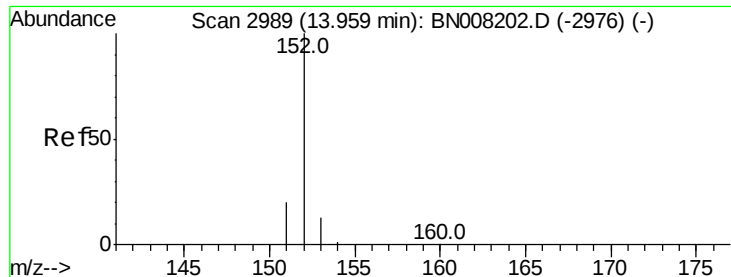
141 90.5 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.127 ng/ul

RT: 13.95 min Scan# 2988

Delta R.T. -0.00 min

Lab File: BN008234.D

Acq: 17 Oct 2019 22:58

Instrument :

BNA\_N

ClientSampleId :

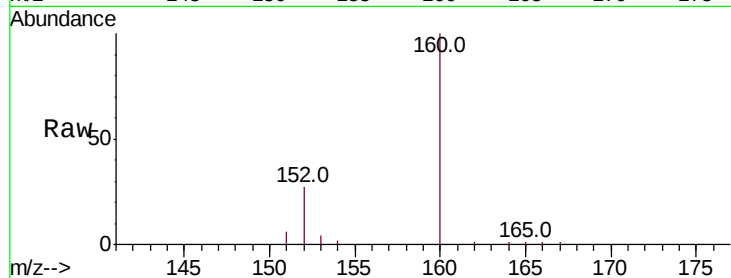
Tot Ion:152 Resp: 5482

Ion Ratio Lower Upper

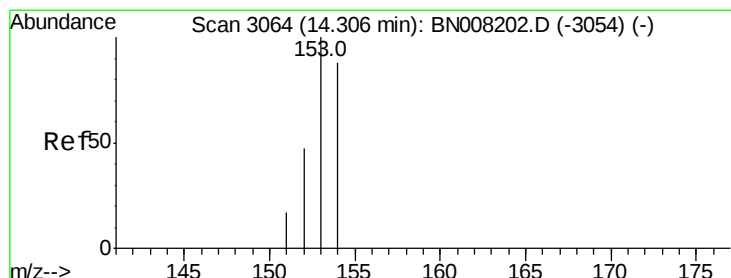
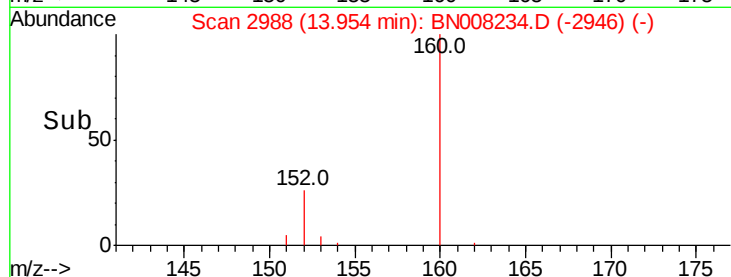
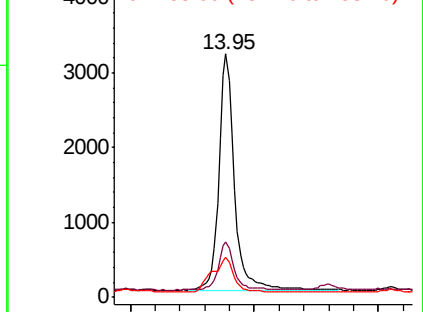
152 100

151 22.9 16.2 24.4

153 16.3 11.0 16.4



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: 0.049 ng/ul

RT: 14.30 min Scan# 3063

Delta R.T. -0.00 min

Lab File: BN008234.D

Acq: 17 Oct 2019 22:58

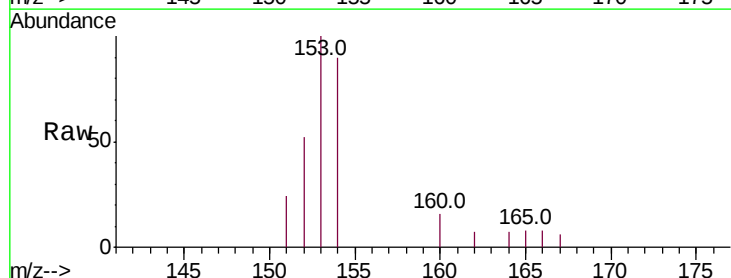
Tgt Ion:153 Resp: 1644

Ion Ratio Lower Upper

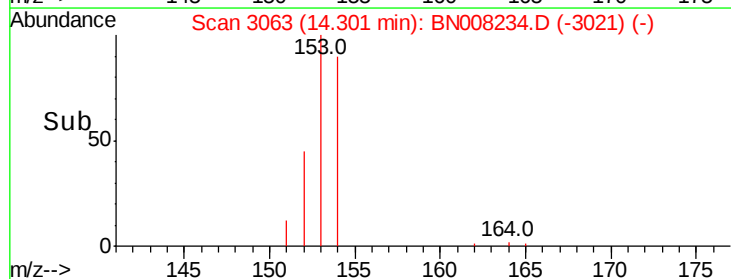
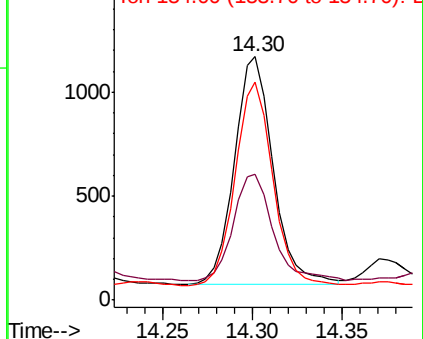
153 100

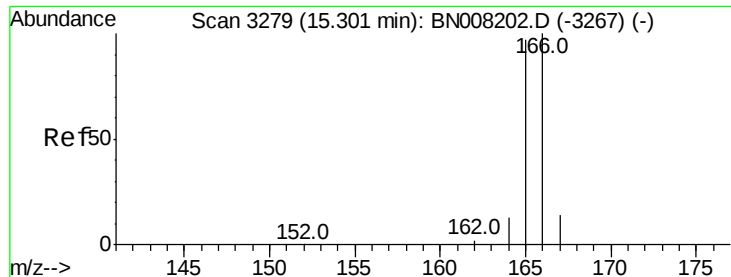
152 51.8 38.2 57.2

154 89.7 71.8 107.8



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: 0.061 ng/ul

RT: 15.29 min Scan# 3277

Delta R.T. -0.01 min

Lab File: BN008234.D

Acq: 17 Oct 2019 22:58

Instrument :

BNA\_N

ClientSampleId :

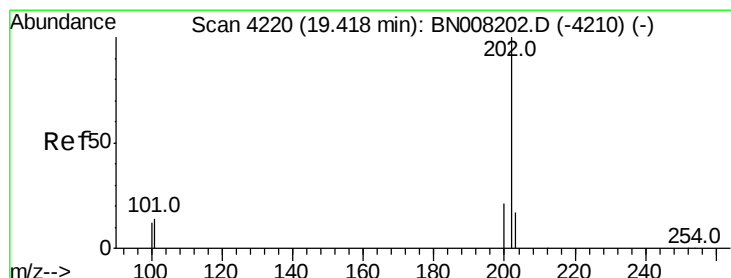
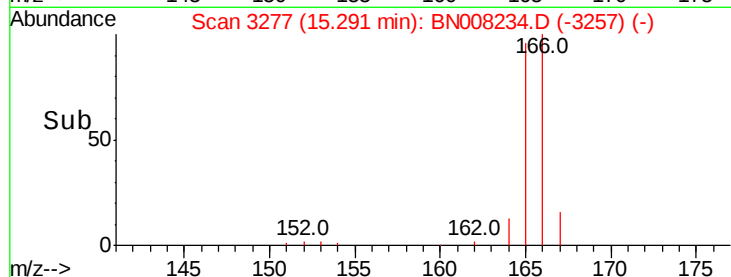
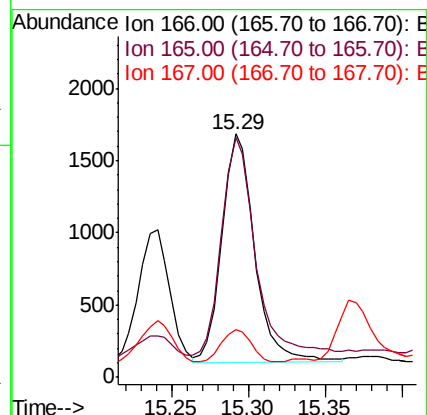
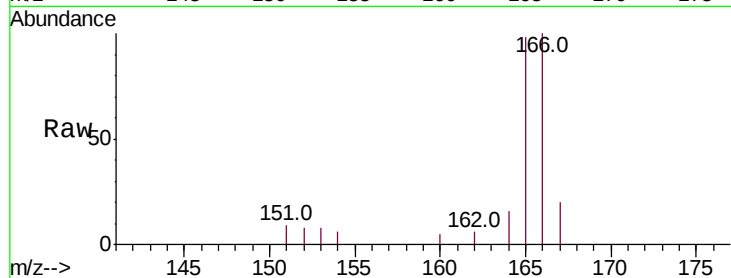
Tot Ion:166 Resp: 2347

Ion Ratio Lower Upper

166 100

165 98.2 76.6 115.0

167 19.6 11.7 17.5#



#17

Pyrene

Concen: 2.042 ng/ul

RT: 19.42 min Scan# 4220

Delta R.T. 0.00 min

Lab File: BN008234.D

Acq: 17 Oct 2019 22:58

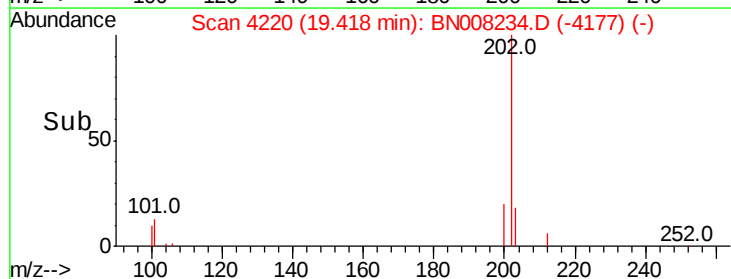
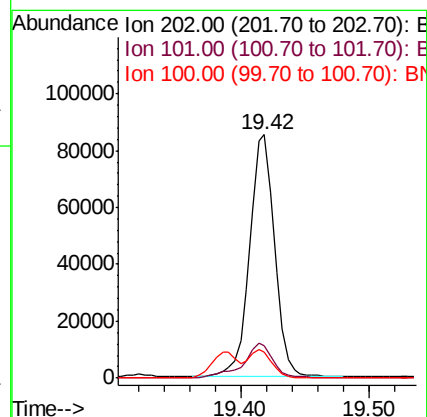
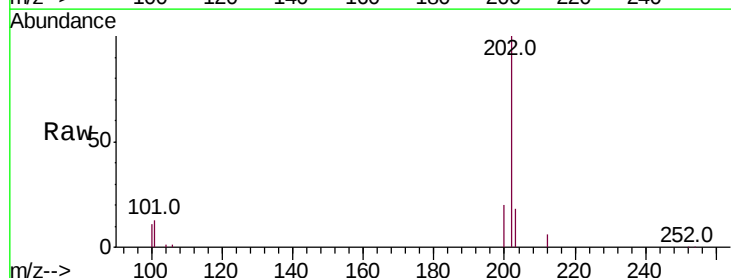
Tgt Ion:202 Resp: 115589

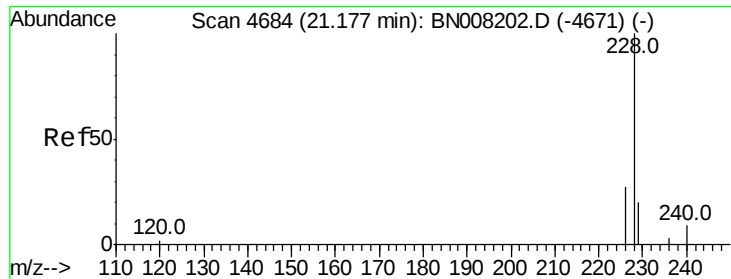
Ion Ratio Lower Upper

202 100

101 13.2 10.9 16.3

100 10.6 8.7 13.1





#18

Benzo(a)anthracene

Concen: 1.047 ng/ul

RT: 21.17 min Scan# 4682

Delta R.T. -0.01 min

Lab File: BN008234.D

Acq: 17 Oct 2019 22:58

Instrument :

BNA\_N

ClientSampleId :

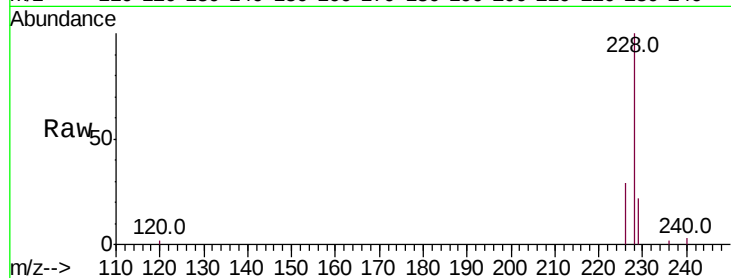
Tot Ion:228 Resp: 54138

Ion Ratio Lower Upper

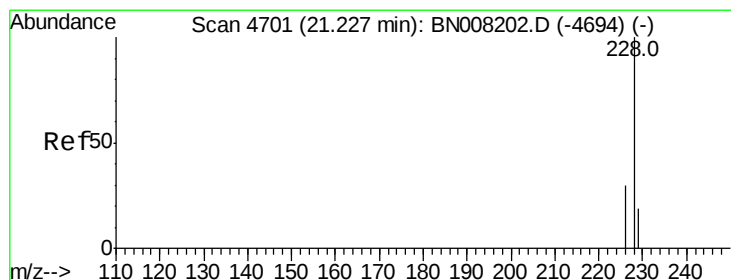
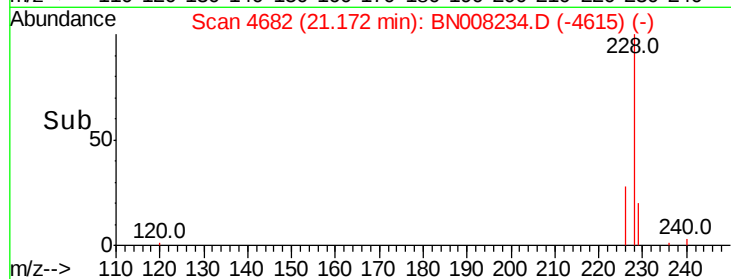
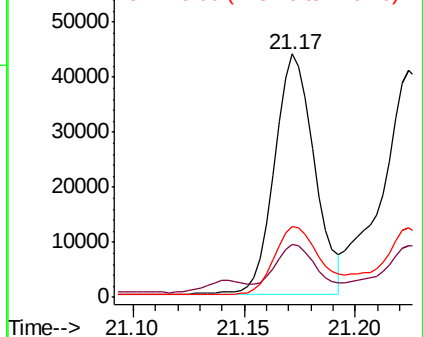
228 100

229 21.8 16.2 24.2

226 29.2 21.4 32.0



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: 0.989 ng/ul

RT: 21.22 min Scan# 4700

Delta R.T. -0.00 min

Lab File: BN008234.D

Acq: 17 Oct 2019 22:58

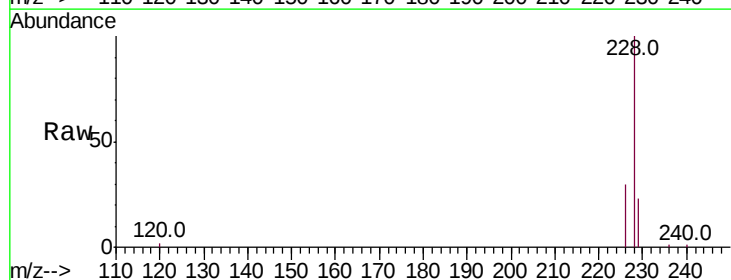
Tgt Ion:228 Resp: 62772

Ion Ratio Lower Upper

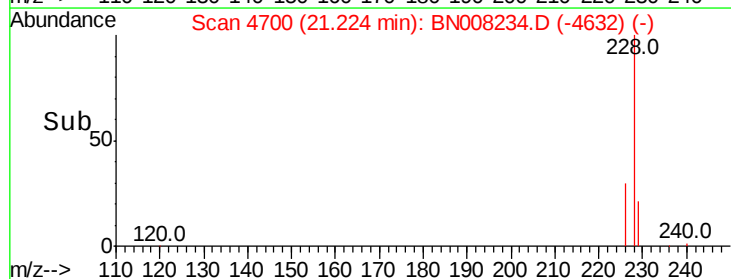
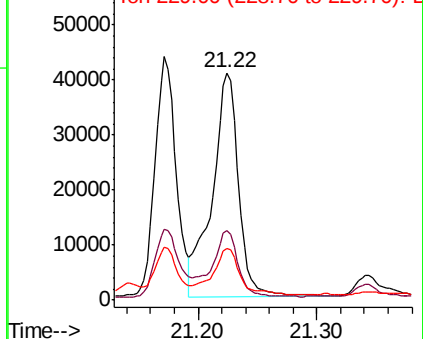
228 100

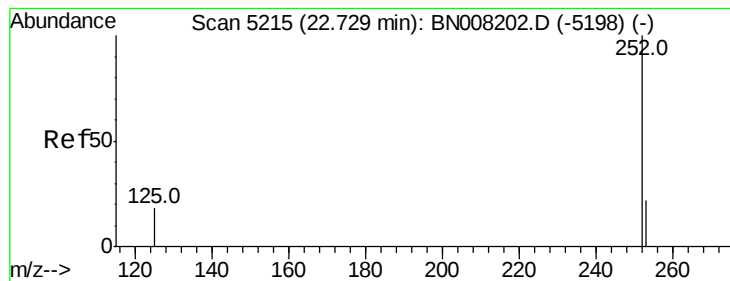
226 30.3 24.1 36.1

229 22.9 16.2 24.2



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: 2.225 ng/ul

RT: 22.72 min Scan# 5213

Delta R.T. -0.01 min

Lab File: BN008234.D

Acq: 17 Oct 2019 22:58

Instrument :

BNA\_N

ClientSampleId :

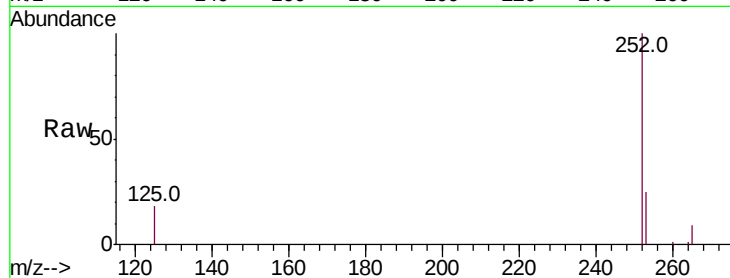
Tot Ion:252 Resp: 91507

Ion Ratio Lower Upper

252 100

253 25.2 0.0 53.4

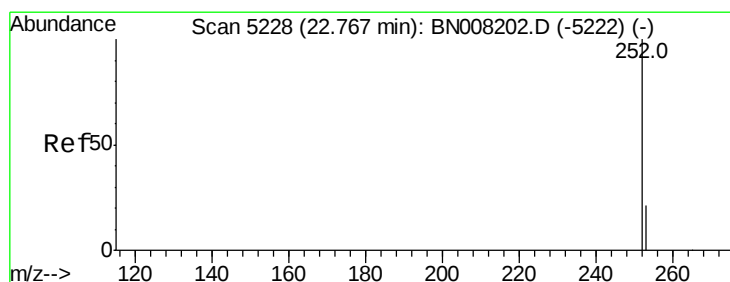
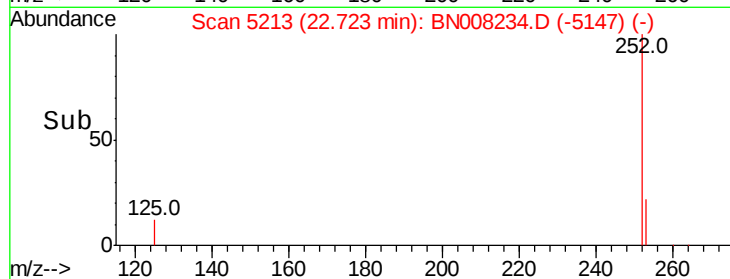
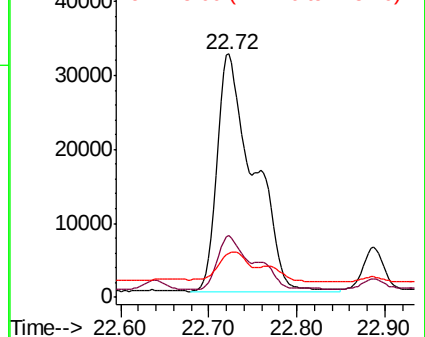
125 18.3 0.0 32.4



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: 1.965 ng/ul

RT: 22.72 min Scan# 5213

Delta R.T. -0.04 min

Lab File: BN008234.D

Acq: 17 Oct 2019 22:58

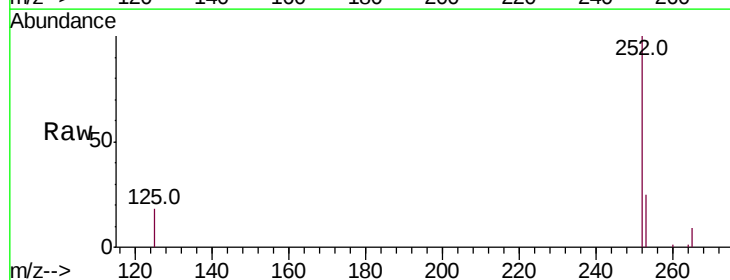
Tgt Ion:252 Resp: 91507

Ion Ratio Lower Upper

252 100

253 25.2 21.3 31.9

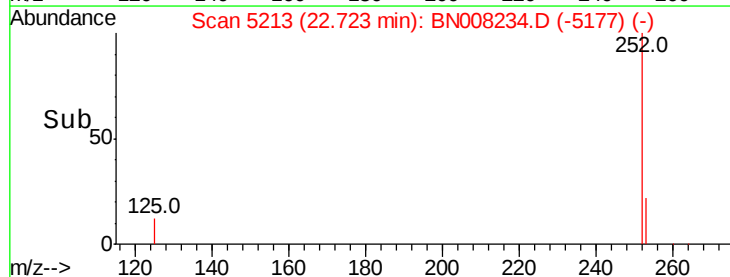
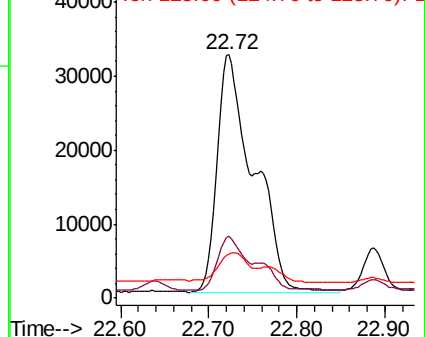
125 18.3 12.3 18.5

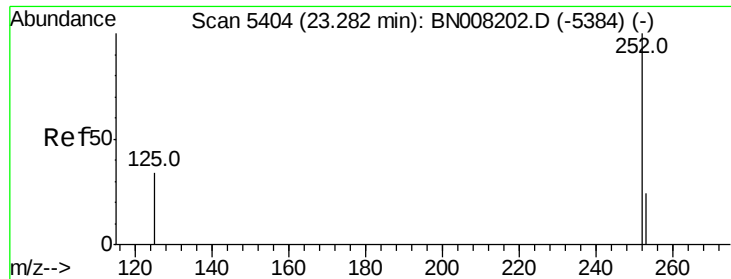


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.060 ng/ul

RT: 23.27 min Scan# 5401

Delta R.T. -0.01 min

Lab File: BN008234.D

Acq: 17 Oct 2019 22:58

Instrument :

BNA\_N

ClientSampleId :

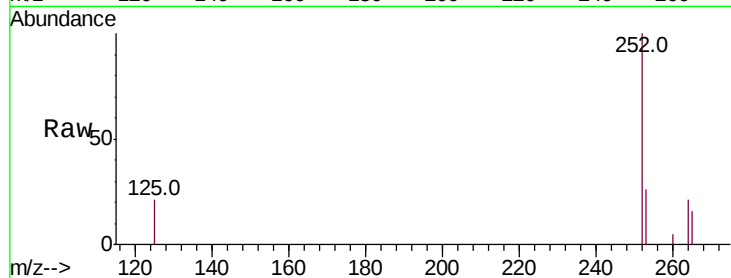
Tot Ion:252 Resp: 45886

Ion Ratio Lower Upper

252 100

253 25.7 22.8 34.2

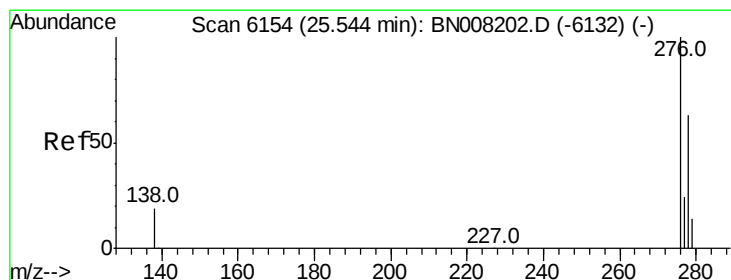
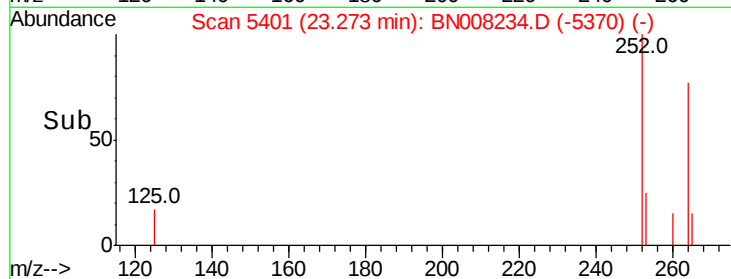
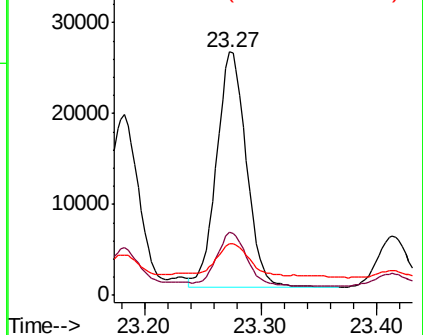
125 21.1 18.4 27.6



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.659 ng/ul

RT: 25.53 min Scan# 6151

Delta R.T. -0.01 min

Lab File: BN008234.D

Acq: 17 Oct 2019 22:58

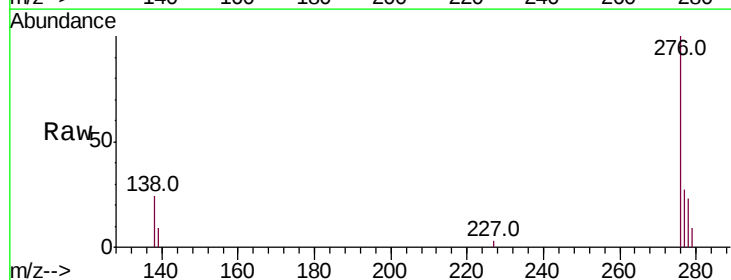
Tgt Ion:276 Resp: 33596

Ion Ratio Lower Upper

276 100

138 18.6 16.1 24.1

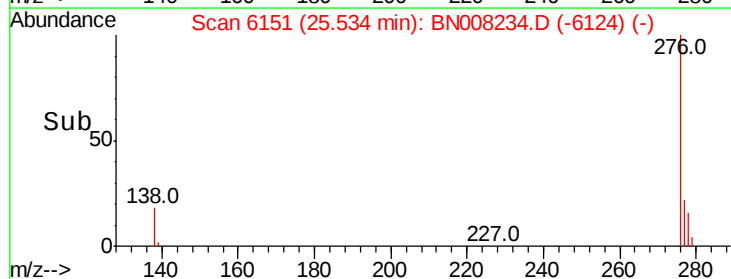
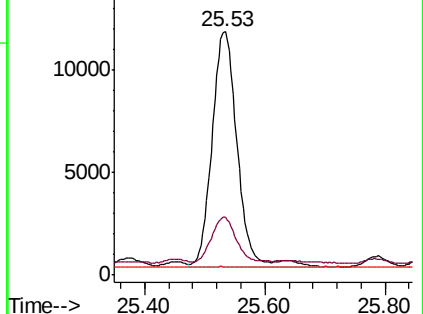
227 0.1 0.2 0.2#

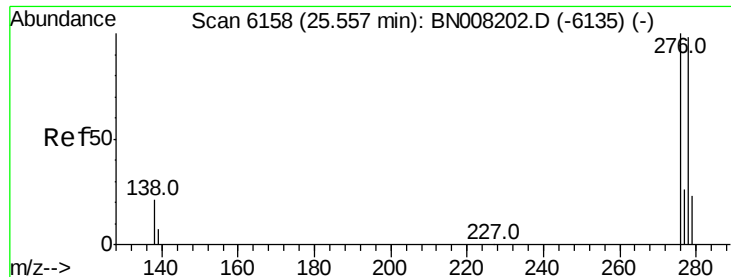


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

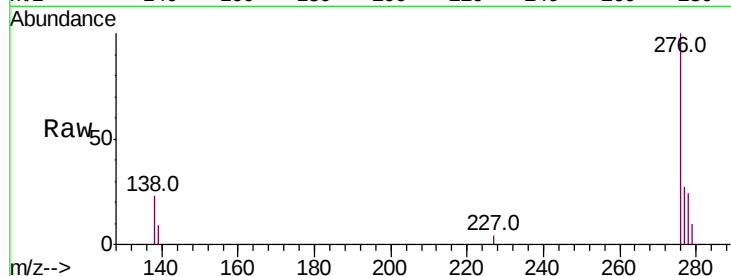




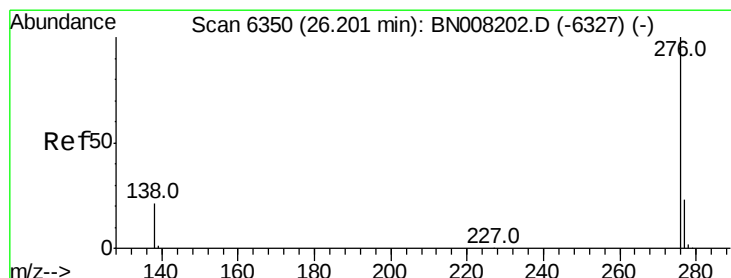
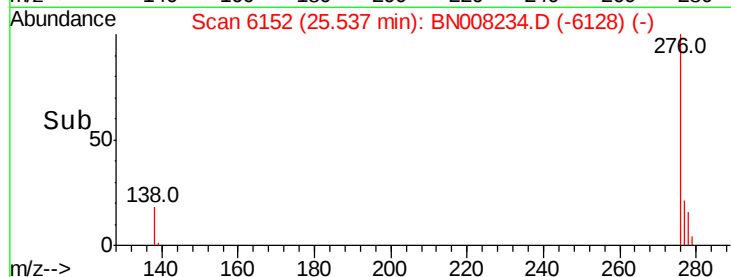
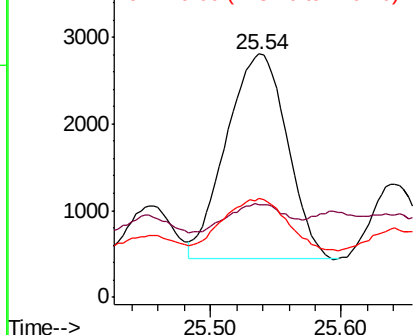
#25  
Dibenzo(a,h)anthracene  
Concen: 0.189 ng/ul  
RT: 25.54 min Scan# 6152  
Delta R.T. -0.02 min  
Lab File: BN008234.D  
Acq: 17 Oct 2019 22:58

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:278 Resp: 7602  
Ion Ratio Lower Upper  
278 100  
139 38.2 15.0 22.6#  
279 40.6 22.4 33.6#

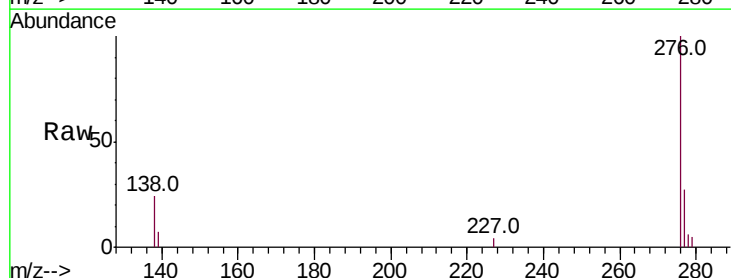


Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E



#26  
Benzo(g,h,i)perylene  
Concen: 0.681 ng/ul  
RT: 26.19 min Scan# 6347  
Delta R.T. -0.01 min  
Lab File: BN008234.D  
Acq: 17 Oct 2019 22:58

Tgt Ion:276 Resp: 31811  
Ion Ratio Lower Upper  
276 100  
138 24.2 17.0 25.4  
277 26.7 20.4 30.6



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

