

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101218\  
 Data File : BN003114.D  
 Acq On : 11 Oct 2018 21:47  
 Operator : MJ/SJ  
 Sample : J5368-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Oct 12 05:37:50 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 : Fri Oct 12 05:29:36 2018  
 Response via : Initial Calibration

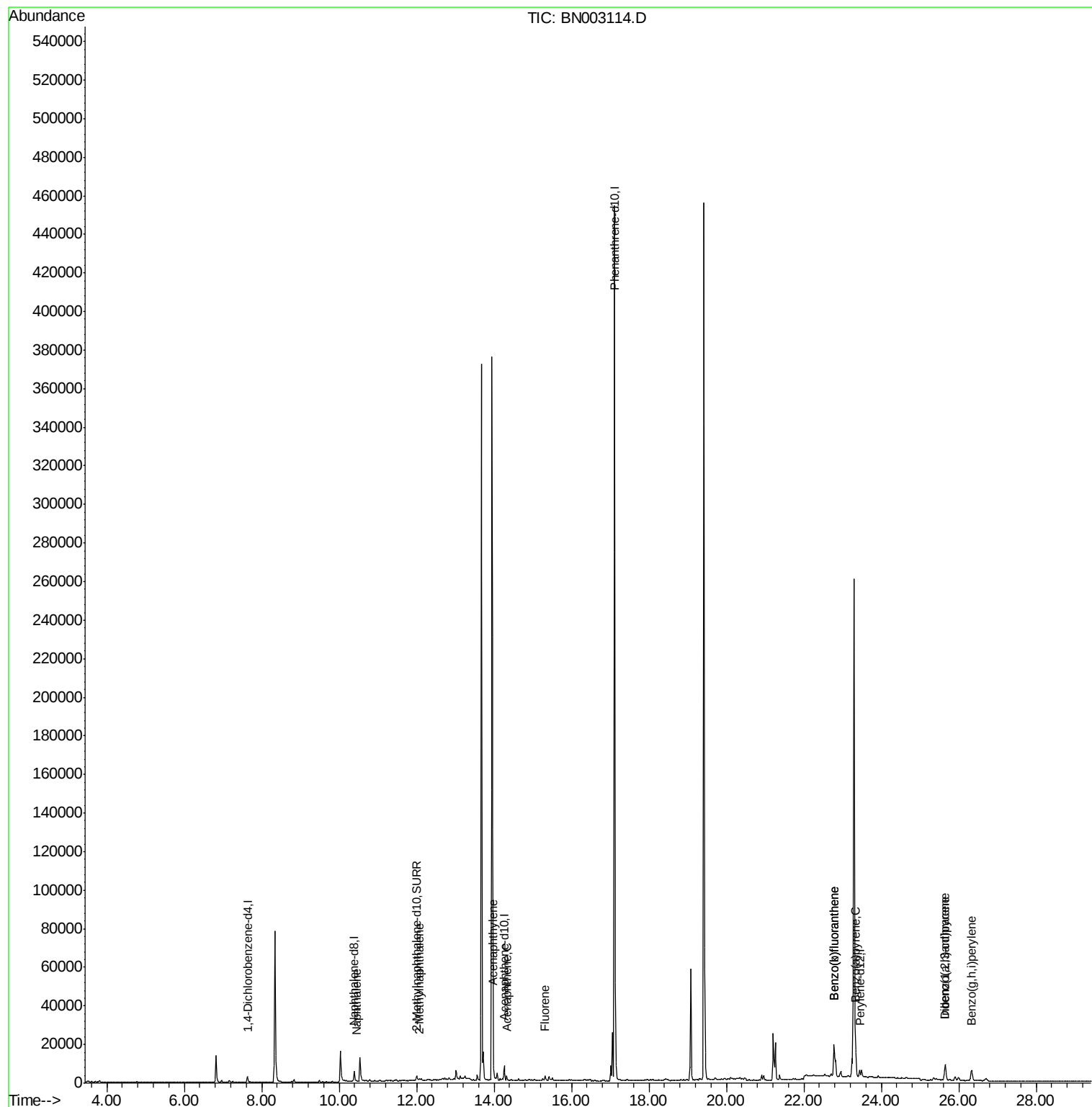
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.63  | 152  | 1713     | 0.40   | ng/ul  | -0.02    |
| 2) Naphthalene-d8           | 10.39 | 136  | 7389     | 0.40   | ng/ul  | -0.02    |
| 6) Acenaphthene-d10         | 14.26 | 164  | 4343     | 0.40   | ng/ul  | -0.01    |
| 10) Phenanthrene-d10        | 17.11 | 188  | 511492   | 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  | 5619     | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.00 | 152  | 3748     | 0.33   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 0.00  | 212  | 0        | 0.00   | ng/ul  |          |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 3) Naphthalene              | 10.44 | 128  | 952      | 0.050  | ng/ul# | 83       |
| 5) 2-Methylnaphthalene      | 12.08 | 142  | 634      | 0.049  | ng/ul  | 98       |
| 7) Acenaphthylene           | 13.98 | 152  | 2051     | 0.103  | ng/ul# | 7        |
| 8) Acenaphthene             | 14.32 | 153  | 1100     | 0.073  | ng/ul# | 91       |
| 9) Fluorene                 | 15.32 | 166  | 1576     | 0.091  | ng/ul# | 89       |
| 21) Benzo(b)fluoranthene    | 22.78 | 252  | 34814    | 1.720  | ng/ul  | 87       |
| 22) Benzo(k)fluoranthene    | 22.78 | 252  | 34814    | 1.660  | ng/ul# | 88       |
| 23) Benzo(a)pyrene          | 23.34 | 252  | 18329    | 1.011  | ng/ul# | 88       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.66 | 276  | 13203    | 0.634  | ng/ul# | 93       |
| 25) Dibenzo(a,h)anthracene  | 25.65 | 278  | 3446     | 0.207  | ng/ul# | 66       |
| 26) Benzo(g,h,i)perylene    | 26.33 | 276  | 11673    | 0.664  | ng/ul  | 98       |

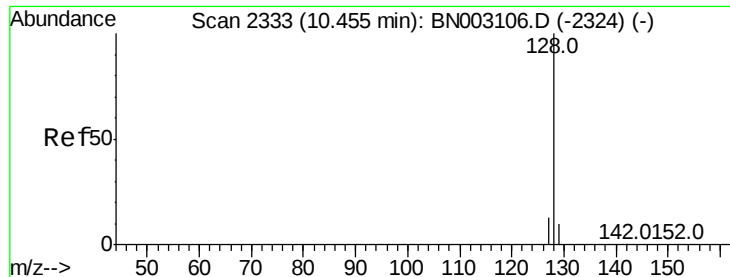
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.050 ng/ul

RT: 10.44 min Scan# 2330

Delta R.T. -0.02 min

Lab File: BN003114.D

Acq: 11 Oct 2018 21:47

Instrument :

BNA\_N

ClientSampleId :

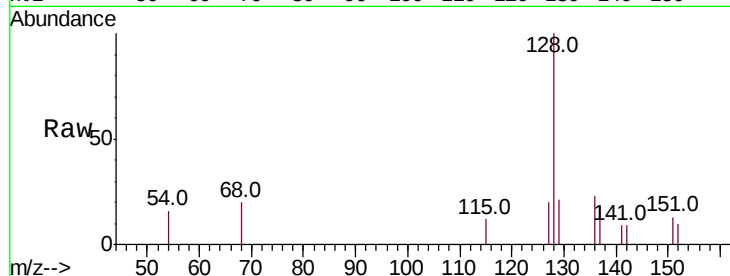
Tot Ion:128 Resp: 952

Ion Ratio Lower Upper

128 100

129 21.0 10.4 15.6#

127 20.3 11.7 17.5#

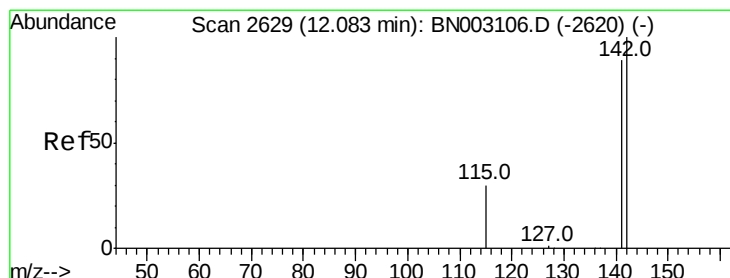
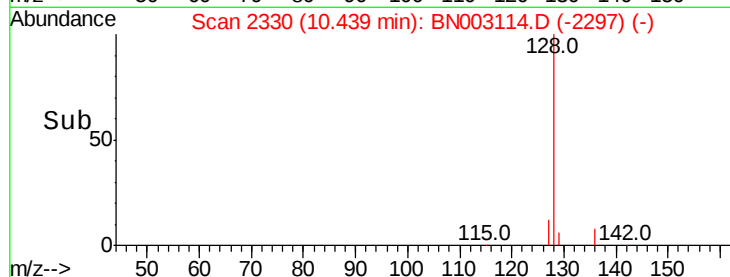
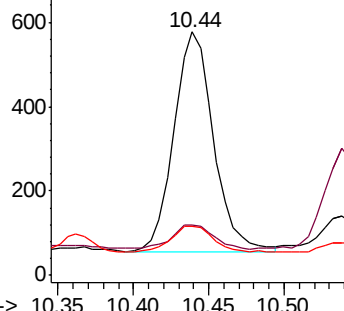


Abundance

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



#5

2-Methylnaphthalene

Concen: 0.049 ng/ul

RT: 12.08 min Scan# 2628

Delta R.T. -0.01 min

Lab File: BN003114.D

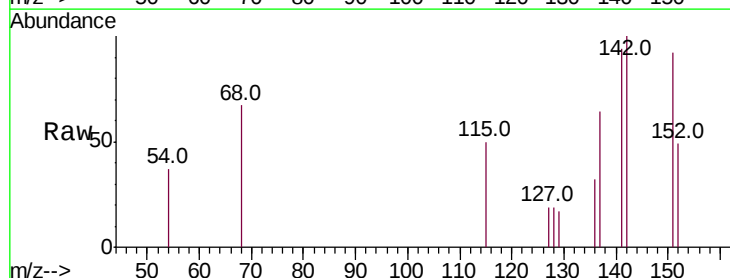
Acq: 11 Oct 2018 21:47

Tgt Ion:142 Resp: 634

Ion Ratio Lower Upper

142 100

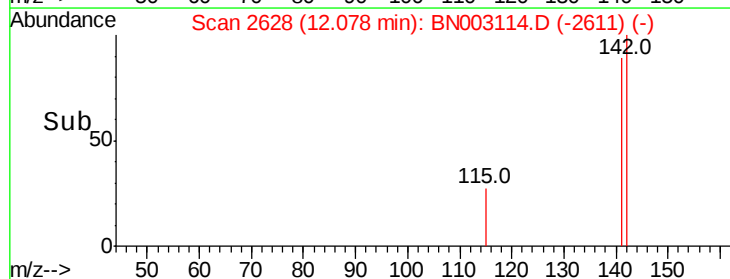
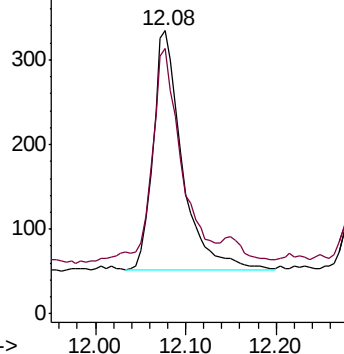
141 93.4 73.4 110.0

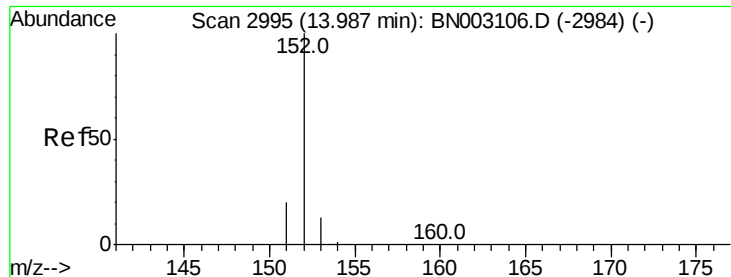


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.103 ng/ul

RT: 13.98 min Scan# 2994

Delta R.T. -0.01 min

Lab File: BN003114.D

Acq: 11 Oct 2018 21:47

Instrument :

BNA\_N

ClientSampleId :

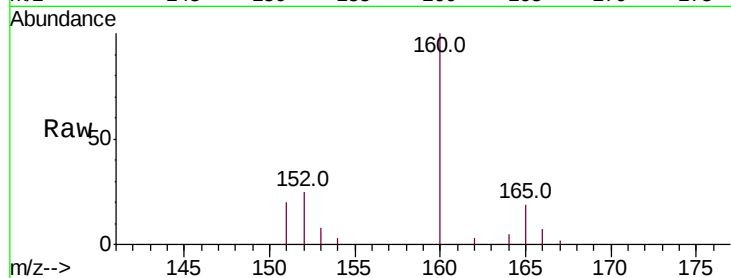
Tot Ion:152 Resp: 2051

Ion Ratio Lower Upper

152 100

151 78.3 16.5 24.7#

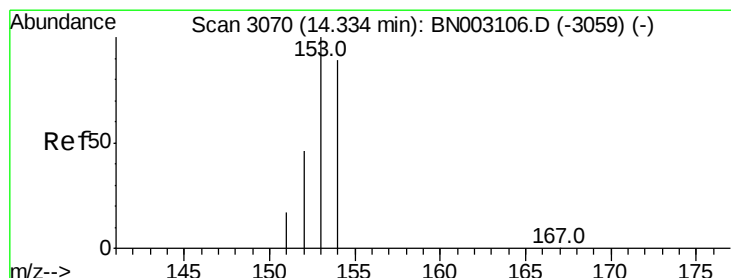
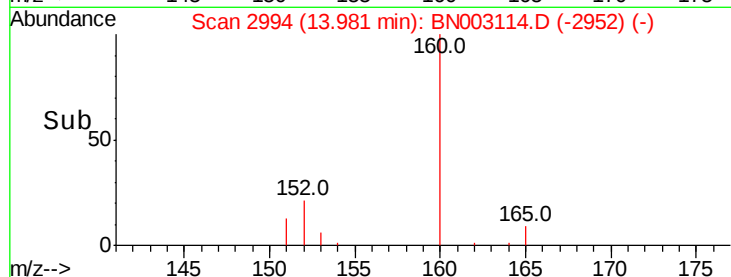
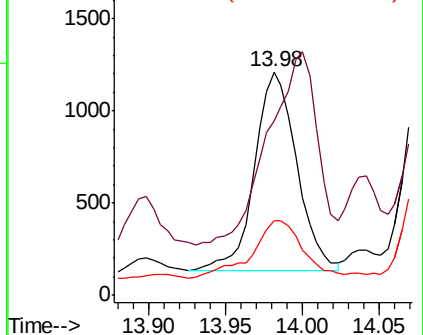
153 33.6 11.4 17.2#



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



#8

Acenaphthene

Concen: 0.073 ng/ul

RT: 14.32 min Scan# 3068

Delta R.T. -0.01 min

Lab File: BN003114.D

Acq: 11 Oct 2018 21:47

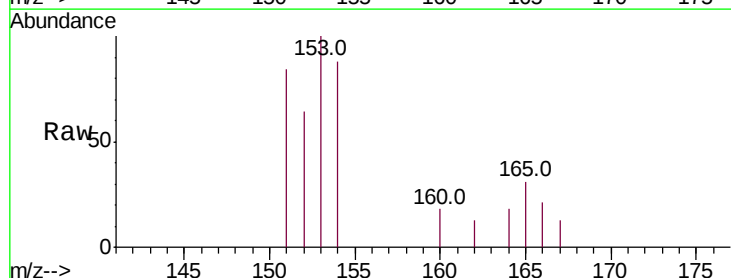
Tgt Ion:153 Resp: 1100

Ion Ratio Lower Upper

153 100

152 64.2 38.2 57.4#

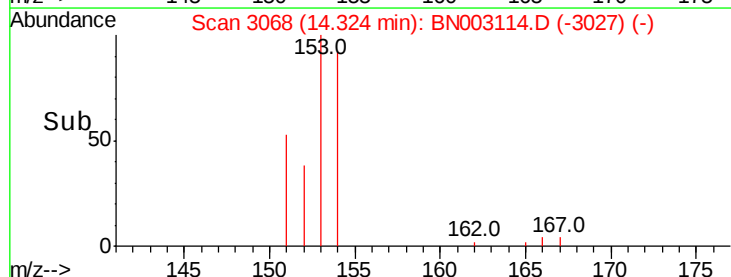
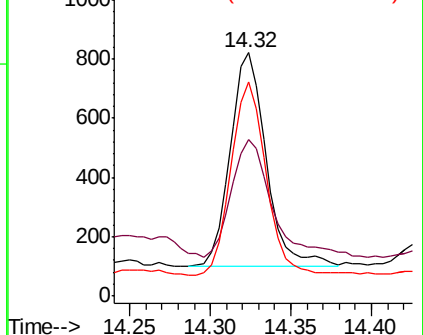
154 88.0 70.2 105.2

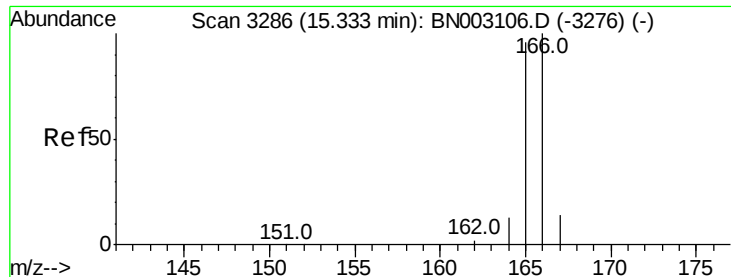


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.091 ng/ul

RT: 15.32 min Scan# 3283

Delta R.T. -0.01 min

Lab File: BN003114.D

Acq: 11 Oct 2018 21:47

Instrument :

BNA\_N

ClientSampleId :

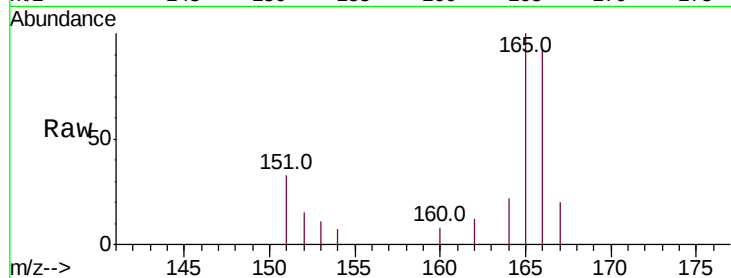
Tot Ion:166 Resp: 1576

Ion Ratio Lower Upper

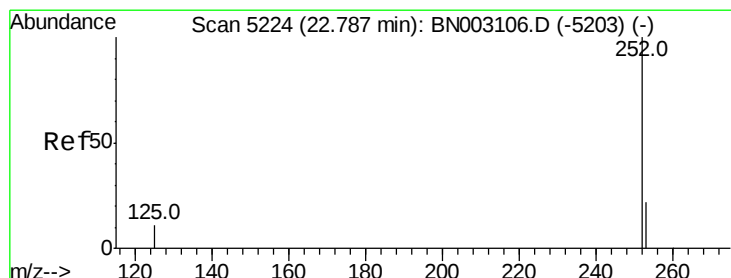
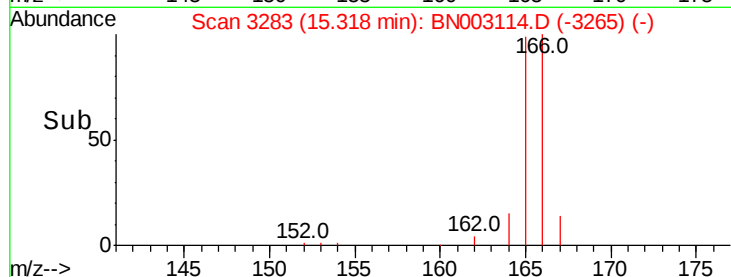
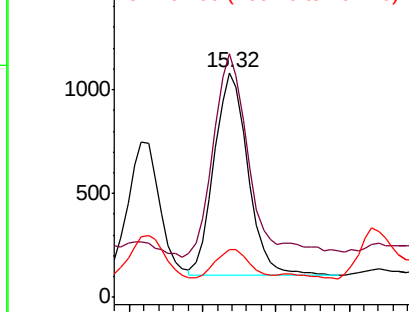
166 100

165 108.3 78.5 117.7

167 21.3 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



#21

Benzo(b)fluoranthene

Concen: 1.720 ng/ul

RT: 22.78 min Scan# 5222

Delta R.T. -0.01 min

Lab File: BN003114.D

Acq: 11 Oct 2018 21:47

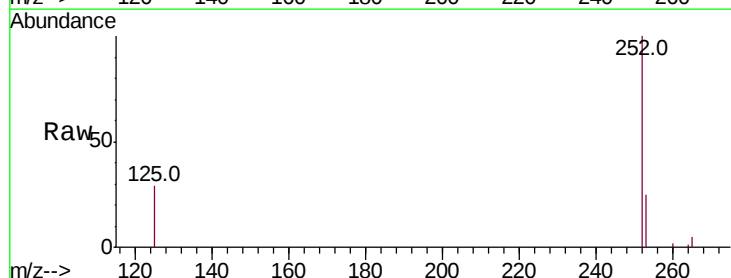
Tgt Ion:252 Resp: 34814

Ion Ratio Lower Upper

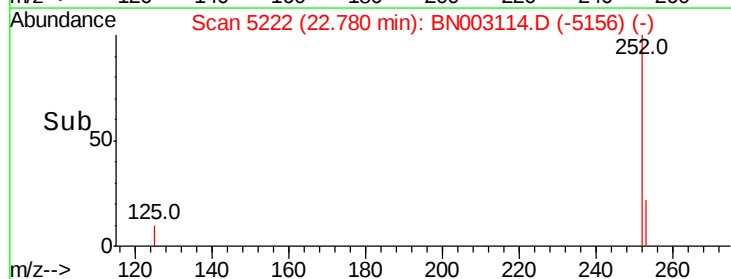
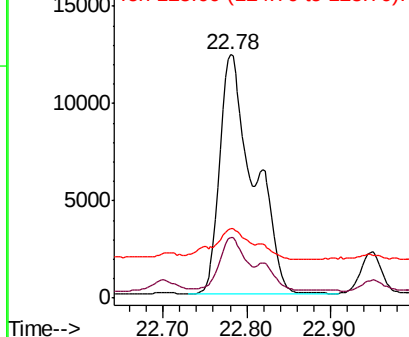
252 100

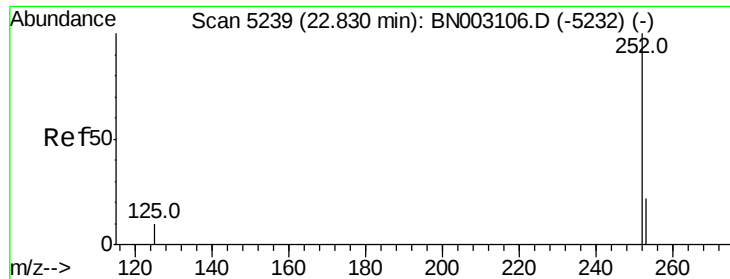
253 24.7 0.0 53.2

125 28.8 0.0 34.2



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

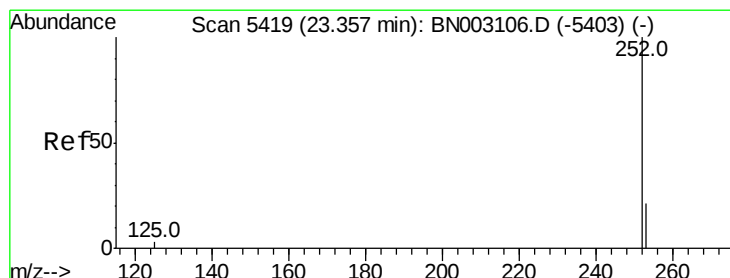
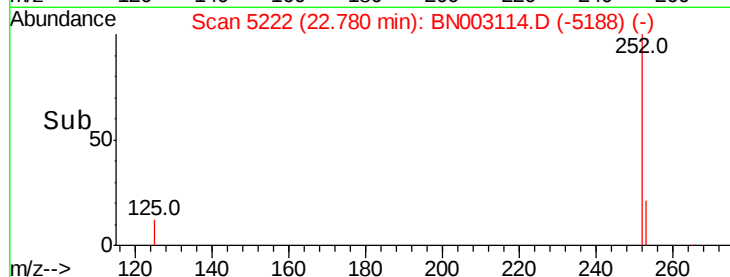
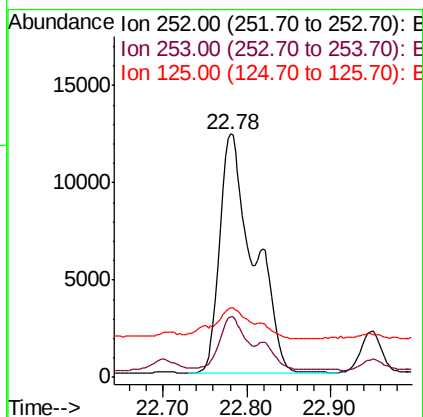
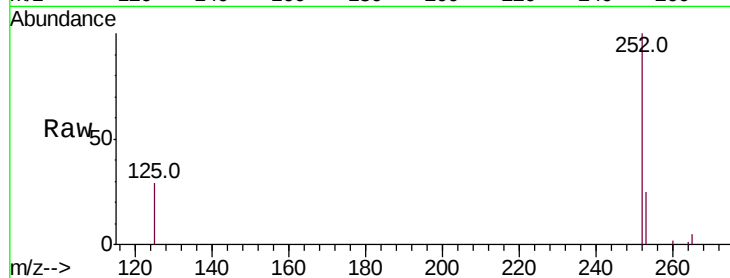




#22  
Benzo(k)fluoranthene  
Concen: 1.660 ng/ul  
RT: 22.78 min Scan# 5222  
Delta R.T. -0.05 min  
Lab File: BN003114.D  
Acq: 11 Oct 2018 21:47

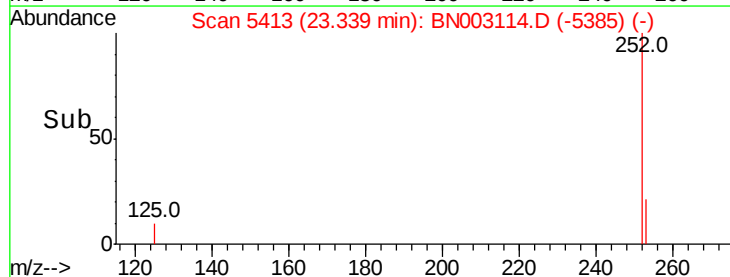
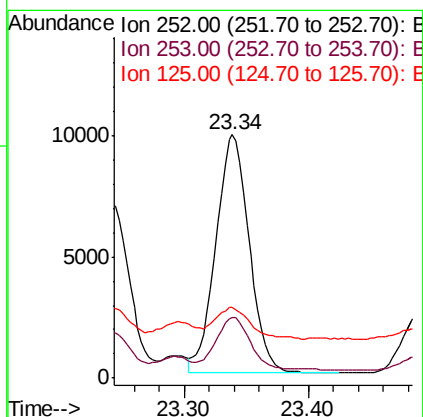
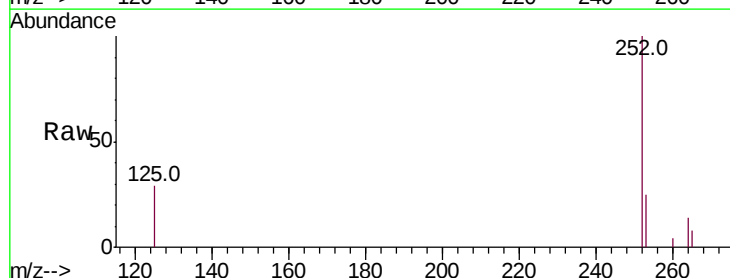
Instrument :  
BNA\_N  
ClientSampleId :

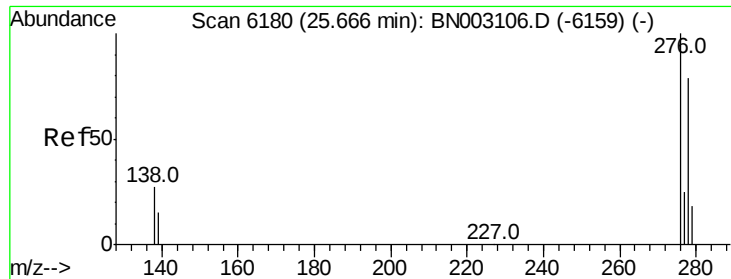
Tot Ion:252 Resp: 34814  
Ion Ratio Lower Upper  
252 100  
253 24.7 21.3 31.9  
125 28.8 14.1 21.1#



#23  
Benzo(a)pyrene  
Concen: 1.011 ng/ul  
RT: 23.34 min Scan# 5413  
Delta R.T. -0.02 min  
Lab File: BN003114.D  
Acq: 11 Oct 2018 21:47

Tgt Ion:252 Resp: 18329  
Ion Ratio Lower Upper  
252 100  
253 24.8 23.1 34.7  
125 29.0 16.9 25.3#

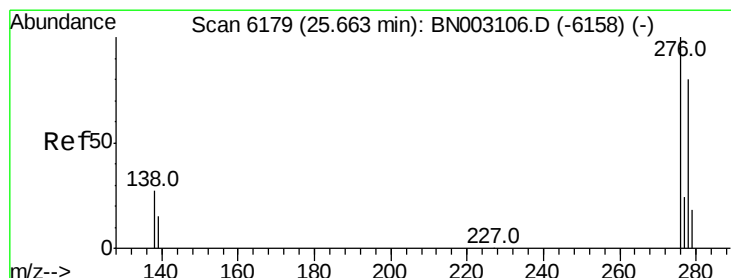
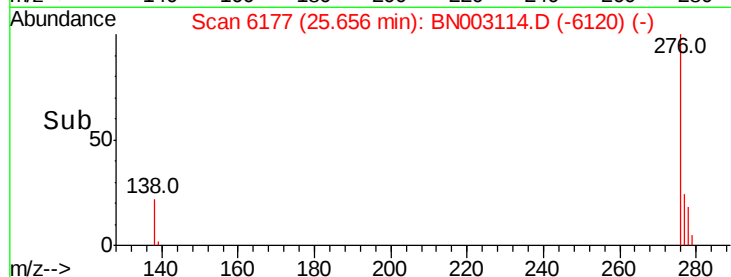
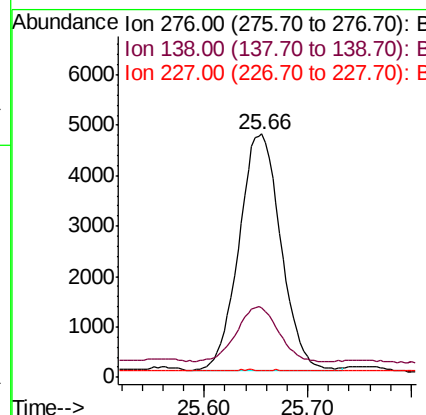
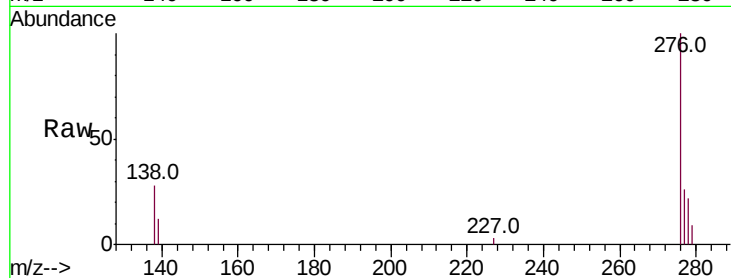




#24  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.634 ng/ul  
 RT: 25.66 min Scan# 6177  
 Delta R.T. -0.01 min  
 Lab File: BN003114.D  
 Acq: 11 Oct 2018 21:47

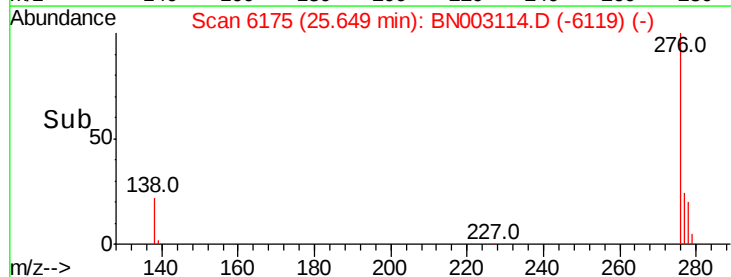
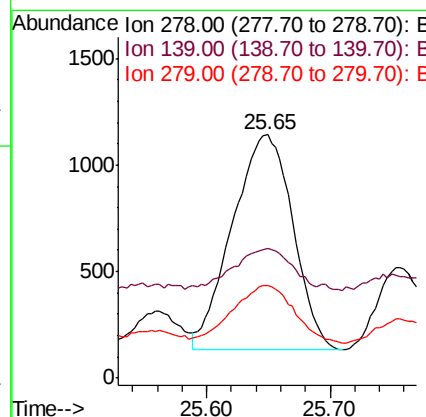
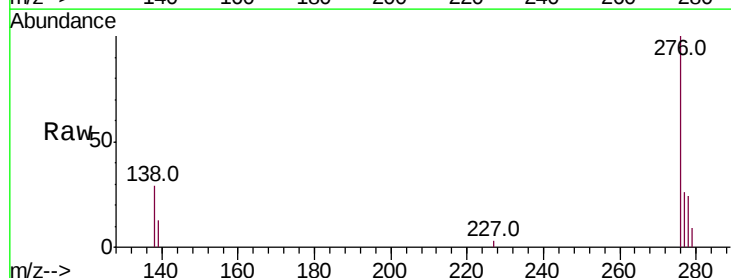
Instrument :  
 BNA\_N  
 ClientSampleId :

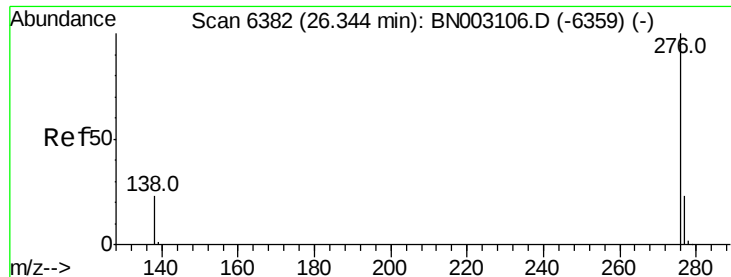
Tot Ion:276 Resp: 13203  
 Ion Ratio Lower Upper  
 276 100  
 138 23.4 21.5 32.3  
 227 0.1 0.3 0.5#



#25  
 Dibenzo(a,h)anthracene  
 Concen: 0.207 ng/ul  
 RT: 25.65 min Scan# 6175  
 Delta R.T. -0.01 min  
 Lab File: BN003114.D  
 Acq: 11 Oct 2018 21:47

Tgt Ion:278 Resp: 3446  
 Ion Ratio Lower Upper  
 278 100  
 139 53.5 20.2 30.4#  
 279 38.2 23.8 35.8#





#26

Benzo(a,h,i)perylene

Concen: 0.664 ng/ul

RT: 26.33 min Scan# 6378

Delta R.T. -0.01 min

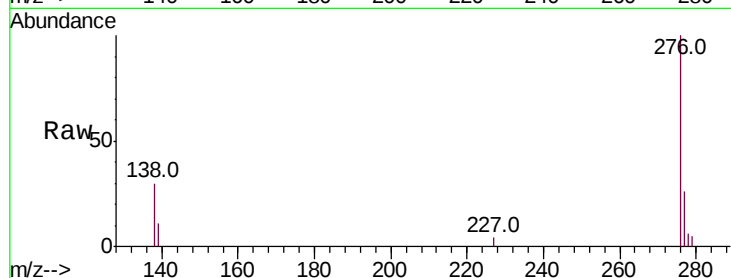
Lab File: BN003114.D

Acq: 11 Oct 2018 21:47

Instrument :

BNA\_N

ClientSampleId :



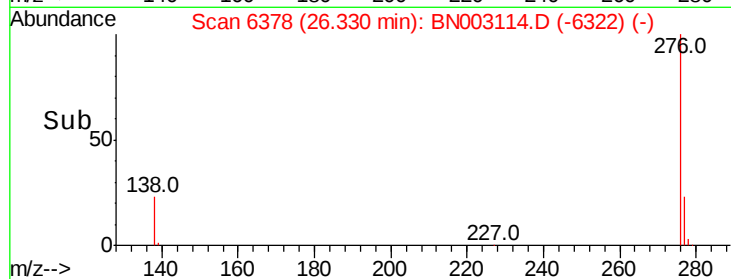
Tot Ion:276 Resp: 11673

Ion Ratio Lower Upper

276 100

138 29.9 23.0 34.4

277 26.1 22.0 33.0



Abundance Ion 276.00 (275.70 to 276.70): E

5000 Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

