

Data File : BN003823.D  
Acq On : 11 Dec 2018 20:09  
Operator : JU/SJ  
Sample : J6170-17  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9M12

Quant Time: Dec 12 02:56:36 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN111918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 12 02:52:45 2018  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.84  | 152  | 4727     | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.63 | 136  | 17776    | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.47 | 164  | 8394     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.31 | 188  | 668811   | 0.40 | ng/ul | 0.09     |
| 16) Chrysene-d12          | 0.00  | 240  | 0        | 0.00 | ng/ul | -21.40   |
| 20) Perylene-d12          | 23.71 | 264  | 14038    | 0.40 | ng/ul | 0.00     |

|                             |       |     |      |      |       |      |
|-----------------------------|-------|-----|------|------|-------|------|
| System Monitoring Compounds |       |     |      |      |       |      |
| 4) 2-Methylnaphthalene-d10  | 12.22 | 152 | 5049 | 0.18 | ng/ul | 0.00 |
| 14) Fluoranthene-d10        | 0.00  | 212 | 0    | 0.00 | ng/ul |      |

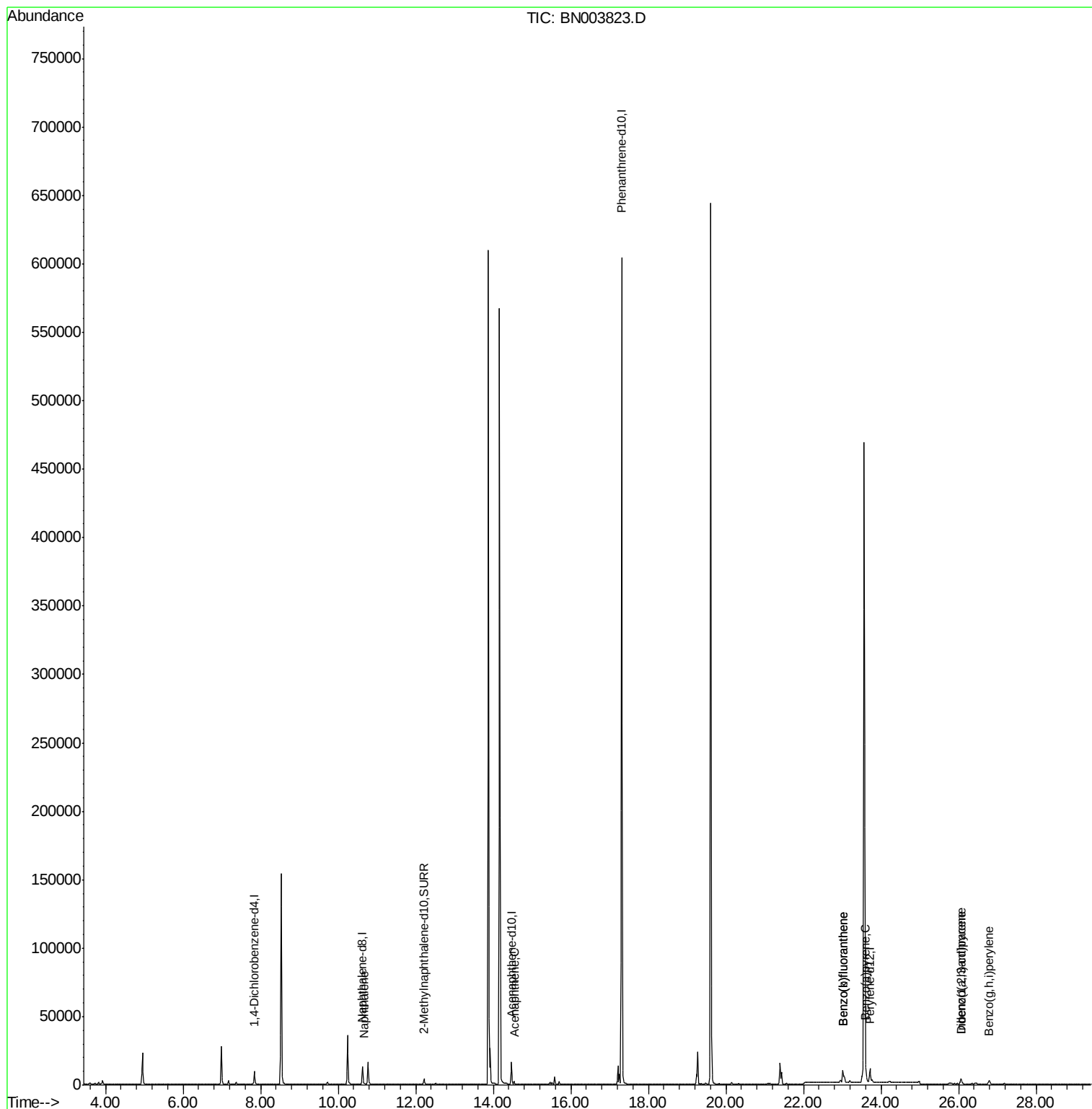
|                            |       |     |       |        |        |    |
|----------------------------|-------|-----|-------|--------|--------|----|
| Target Compounds           |       |     |       | Qvalue |        |    |
| 3) Naphthalene             | 10.68 | 128 | 1055  | 0.021  | ng/ul# | 80 |
| 8) Acenaphthene            | 14.53 | 153 | 1231  | 0.037  | ng/ul  | 98 |
| 21) Benzo(b)fluoranthene   | 23.01 | 252 | 18952 | 0.326  | ng/ul  | 90 |
| 22) Benzo(k)fluoranthene   | 23.01 | 252 | 18952 | 0.335  | ng/ul# | 90 |
| 23) Benzo(a)pyrene         | 23.61 | 252 | 7722  | 0.154  | ng/ul# | 87 |
| 24) Indeno(1,2,3-cd)pyrene | 26.06 | 276 | 6311  | 0.109  | ng/ul  | 95 |
| 25) Dibenzo(a,h)anthracene | 26.07 | 278 | 1775  | 0.038  | ng/ul# | 58 |
| 26) Benzo(g,h,i)perylene   | 26.79 | 276 | 5152  | 0.103  | ng/ul# | 88 |

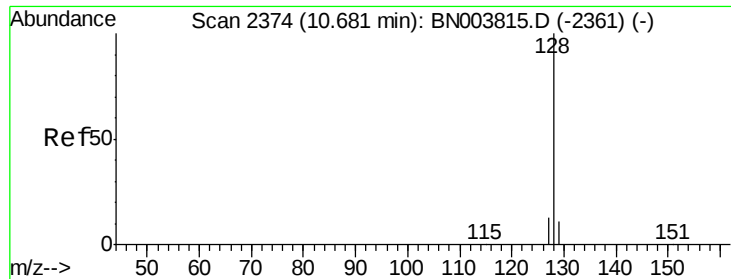
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : BN003823.D  
Acq On : 11 Dec 2018 20:09  
Operator : JU/SJ  
Sample : J6170-17  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9M12

Quant Time: Dec 12 02:56:36 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN111918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 12 02:52:45 2018  
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.021 ng/ul

RT: 10.68 min Scan# 2373

Delta R.T. -0.01 min

Lab File: BN003823.D

Acq: 11 Dec 2018 20:09

Instrument :

BNA\_N

ClientSampleId :

F9M12

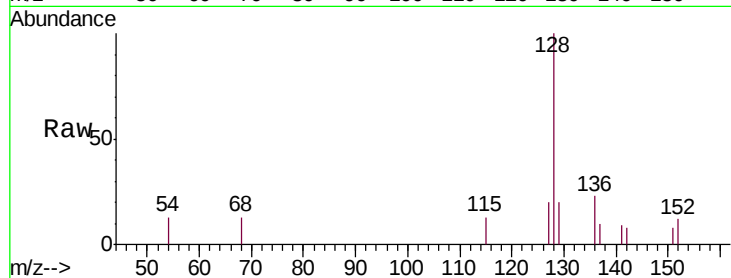
Tgt Ion:128 Resp: 1055

Ion Ratio Lower Upper

128 100

129 19.8 9.0 13.6#

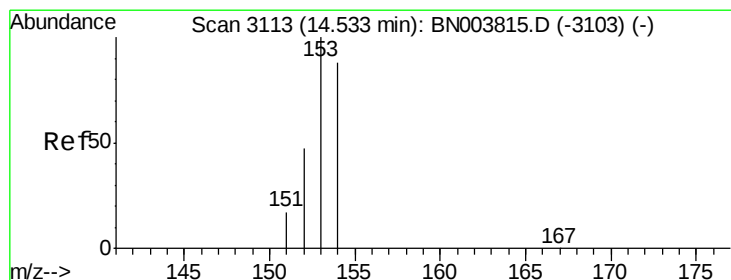
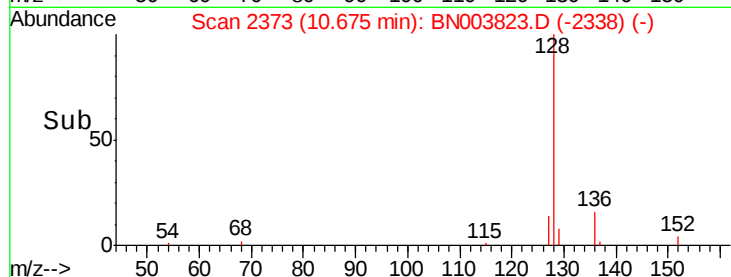
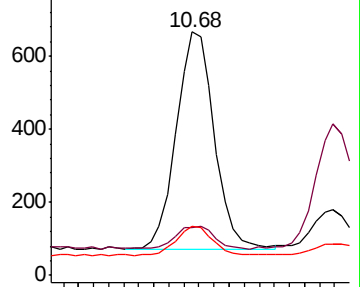
127 20.1 10.5 15.7#



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



#8

Acenaphthene

Concen: 0.037 ng/ul

RT: 14.53 min Scan# 3113

Delta R.T. -0.00 min

Lab File: BN003823.D

Acq: 11 Dec 2018 20:09

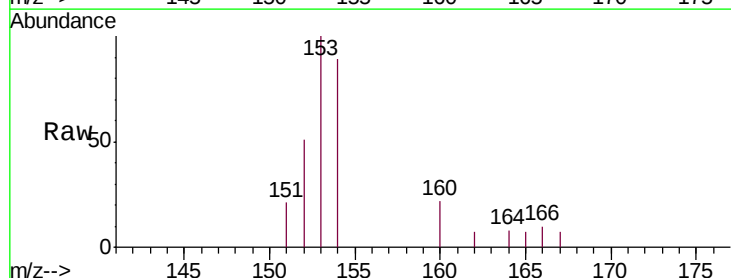
Tgt Ion:153 Resp: 1231

Ion Ratio Lower Upper

153 100

152 51.0 39.3 58.9

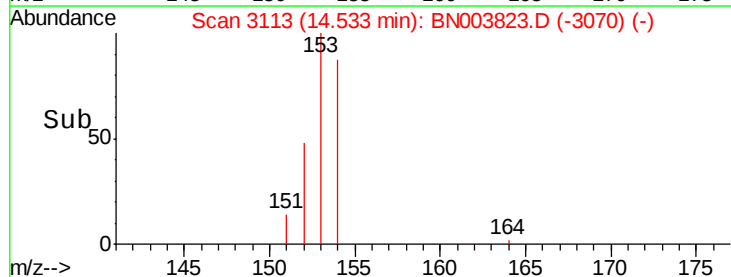
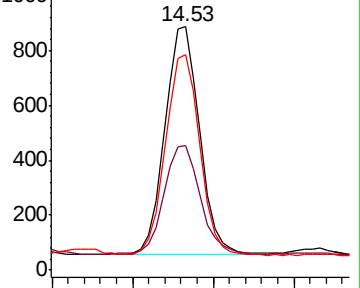
154 88.7 70.3 105.5

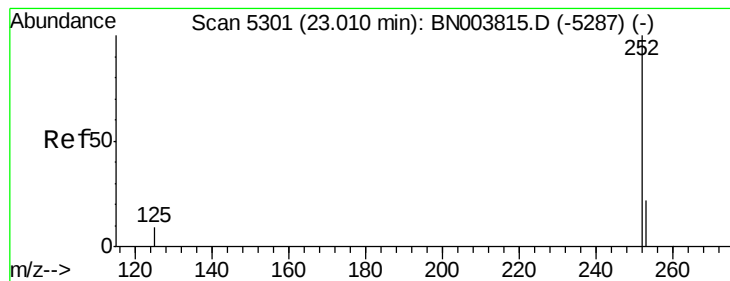


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#21

Benzo(b)fluoranthene

Concen: 0.326 ng/ul

RT: 23.01 min Scan# 5302

Delta R.T. 0.00 min

Lab File: BN003823.D

Acq: 11 Dec 2018 20:09

Instrument :

BNA\_N

ClientSampleId :

F9M12

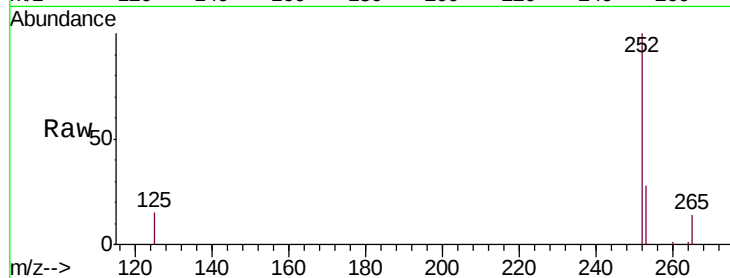
Tgt Ion:252 Resp: 18952

Ion Ratio Lower Upper

252 100

253 28.0 0.0 46.0

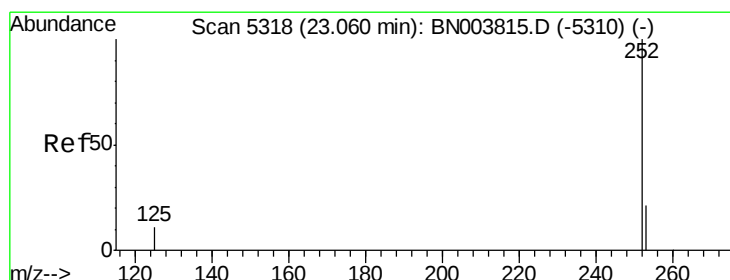
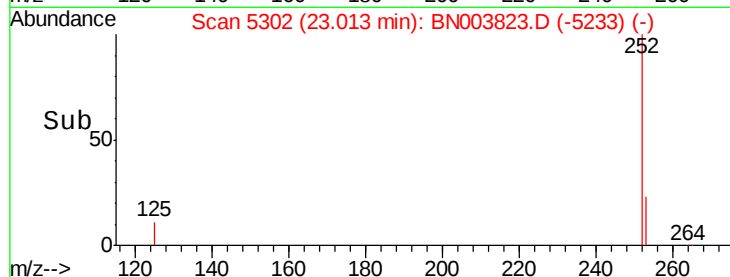
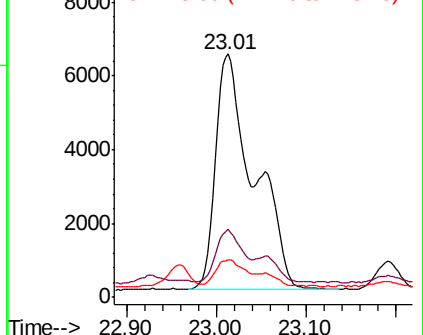
125 15.3 0.0 22.4



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: 0.335 ng/ul

RT: 23.01 min Scan# 5302

Delta R.T. -0.05 min

Lab File: BN003823.D

Acq: 11 Dec 2018 20:09

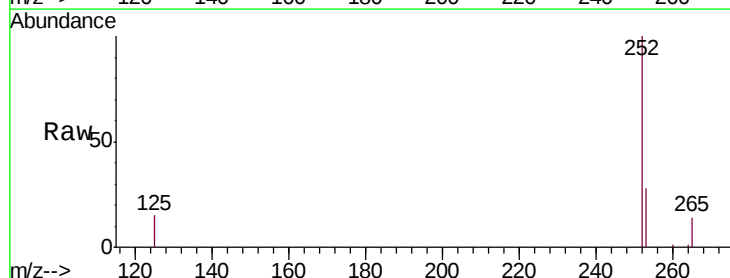
Tgt Ion:252 Resp: 18952

Ion Ratio Lower Upper

252 100

253 28.0 18.5 27.7#

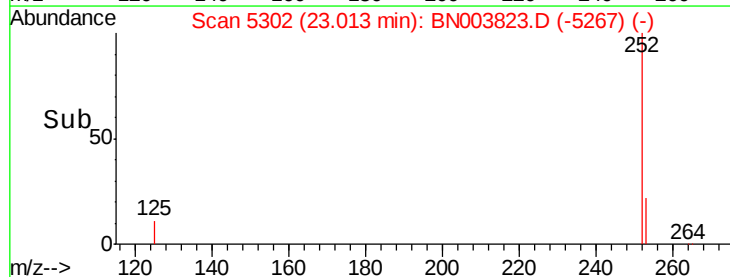
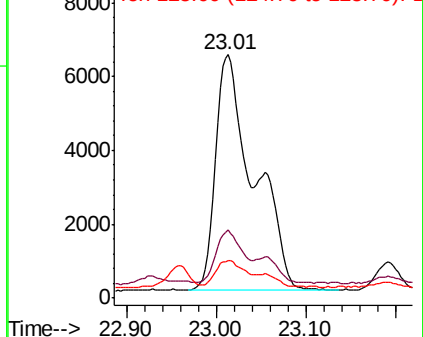
125 15.3 9.0 13.6#

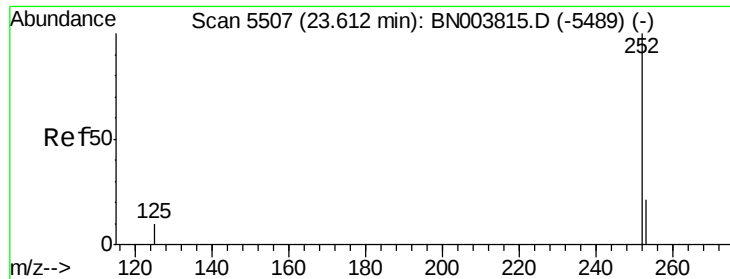


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.154 ng/u1

RT: 23.61 min Scan# 5507

Delta R.T. -0.00 min

Lab File: BN003823.D

Acq: 11 Dec 2018 20:09

Instrument :

BNA\_N

ClientSampleId :

F9M12

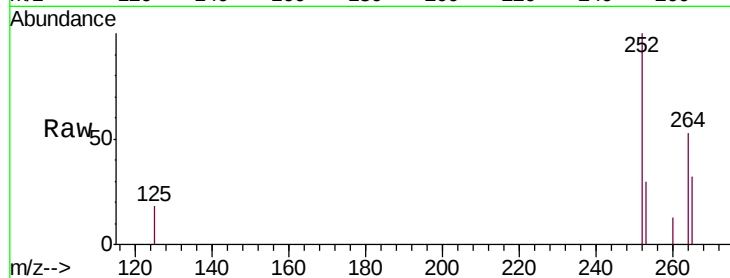
Tgt Ion:252 Resp: 7722

Ion Ratio Lower Upper

252 100

253 29.9 19.0 28.4#

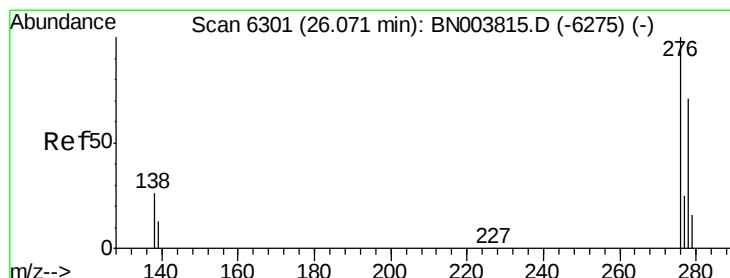
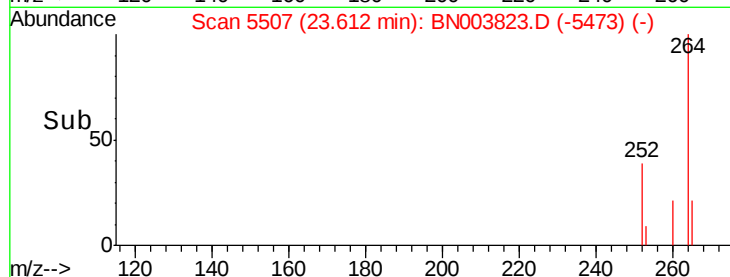
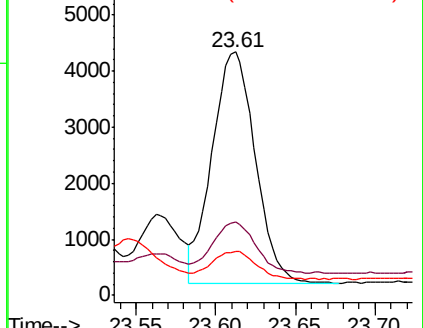
125 17.9 10.2 15.4#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.109 ng/u1

RT: 26.06 min Scan# 6299

Delta R.T. -0.01 min

Lab File: BN003823.D

Acq: 11 Dec 2018 20:09

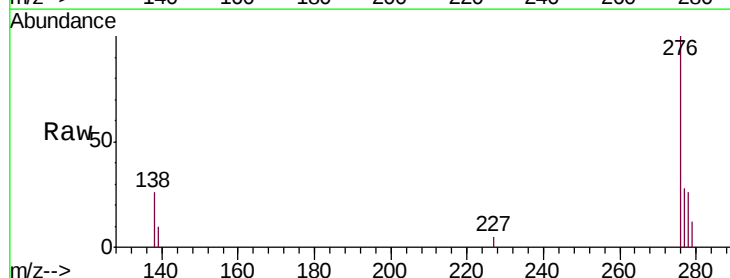
Tgt Ion:276 Resp: 6311

Ion Ratio Lower Upper

276 100

138 22.7 20.3 30.5

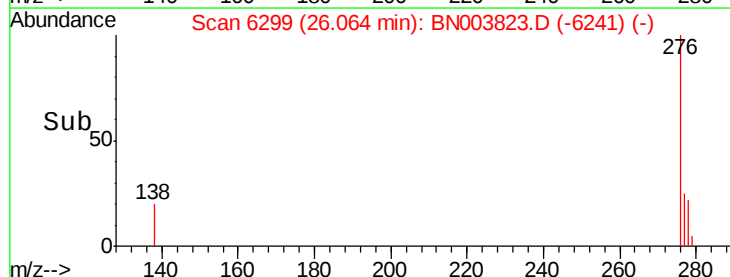
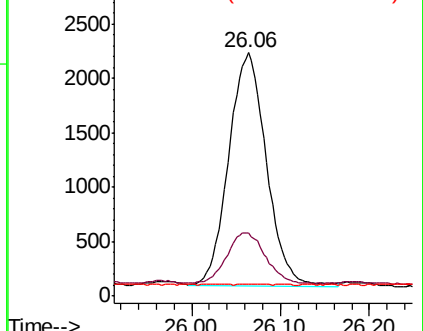
227 0.2 0.2 0.2

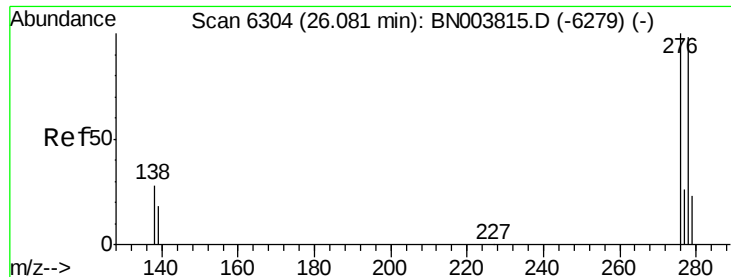


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.038 ng/ul

RT: 26.07 min Scan# 6302

Delta R.T. -0.01 min

Lab File: BN003823.D

Acq: 11 Dec 2018 20:09

Instrument :

BNA\_N

ClientSampleId :

F9M12

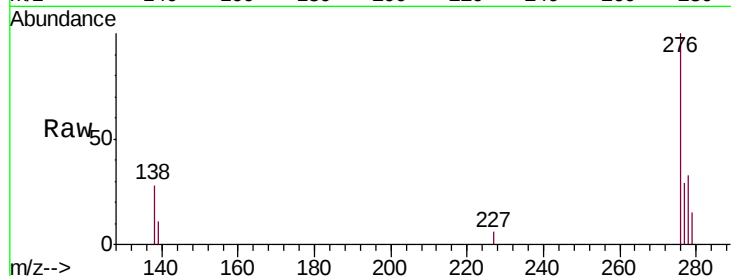
Tgt Ion: 278 Resp: 1775

Ion Ratio Lower Upper

278 100

139 34.8 14.2 21.4#

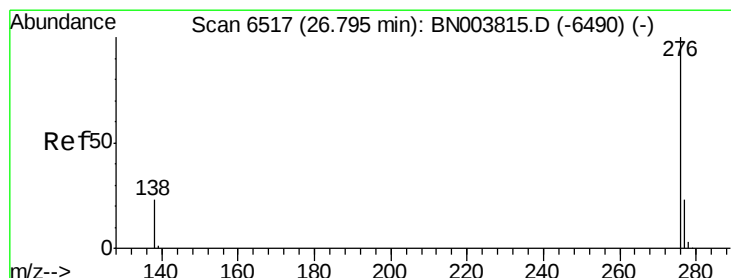
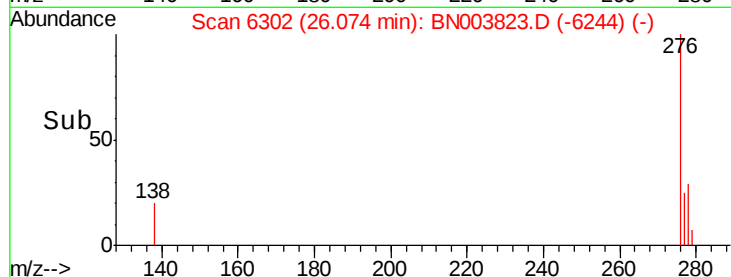
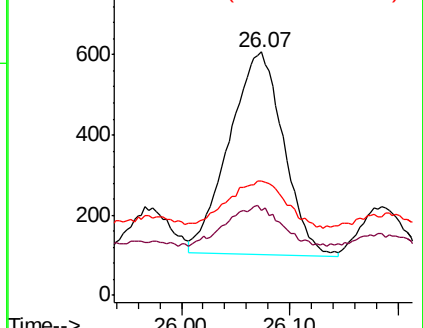
279 47.1 19.8 29.6#



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: 0.103 ng/ul

RT: 26.79 min Scan# 6515

Delta R.T. -0.01 min

Lab File: BN003823.D

Acq: 11 Dec 2018 20:09

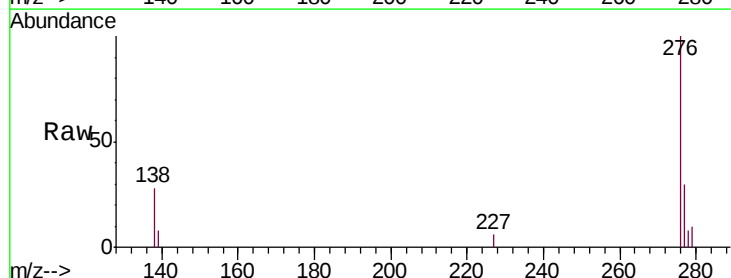
Tgt Ion: 276 Resp: 5152

Ion Ratio Lower Upper

276 100

138 28.5 17.7 26.5#

277 29.5 19.3 28.9#



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

