

Data File : BN003800.D  
Acq On : 11 Dec 2018 04:14  
Operator : JU/SJ  
Sample : J6077-18DL 5X  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9Y03DL

Quant Time: Dec 11 08:14:09 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 : Tue Dec 11 04:22:54 2018  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.84  | 152  | 5544     | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.63 | 136  | 21744    | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.47 | 164  | 10228    | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.22 | 188  | 19891    | 0.40 | ng/ul | 0.00     |
| 16) Chrysene-d12          | 21.40 | 240  | 14533    | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.71 | 264  | 15974    | 0.40 | ng/ul | 0.00     |

|                             |       |     |      |      |       |      |
|-----------------------------|-------|-----|------|------|-------|------|
| System Monitoring Compounds |       |     |      |      |       |      |
| 4) 2-Methylnaphthalene-d10  | 12.22 | 152 | 1278 | 0.04 | ng/ul | 0.00 |
| 14) Fluoranthene-d10        | 19.24 | 212 | 2175 | 0.04 | ng/ul | 0.00 |

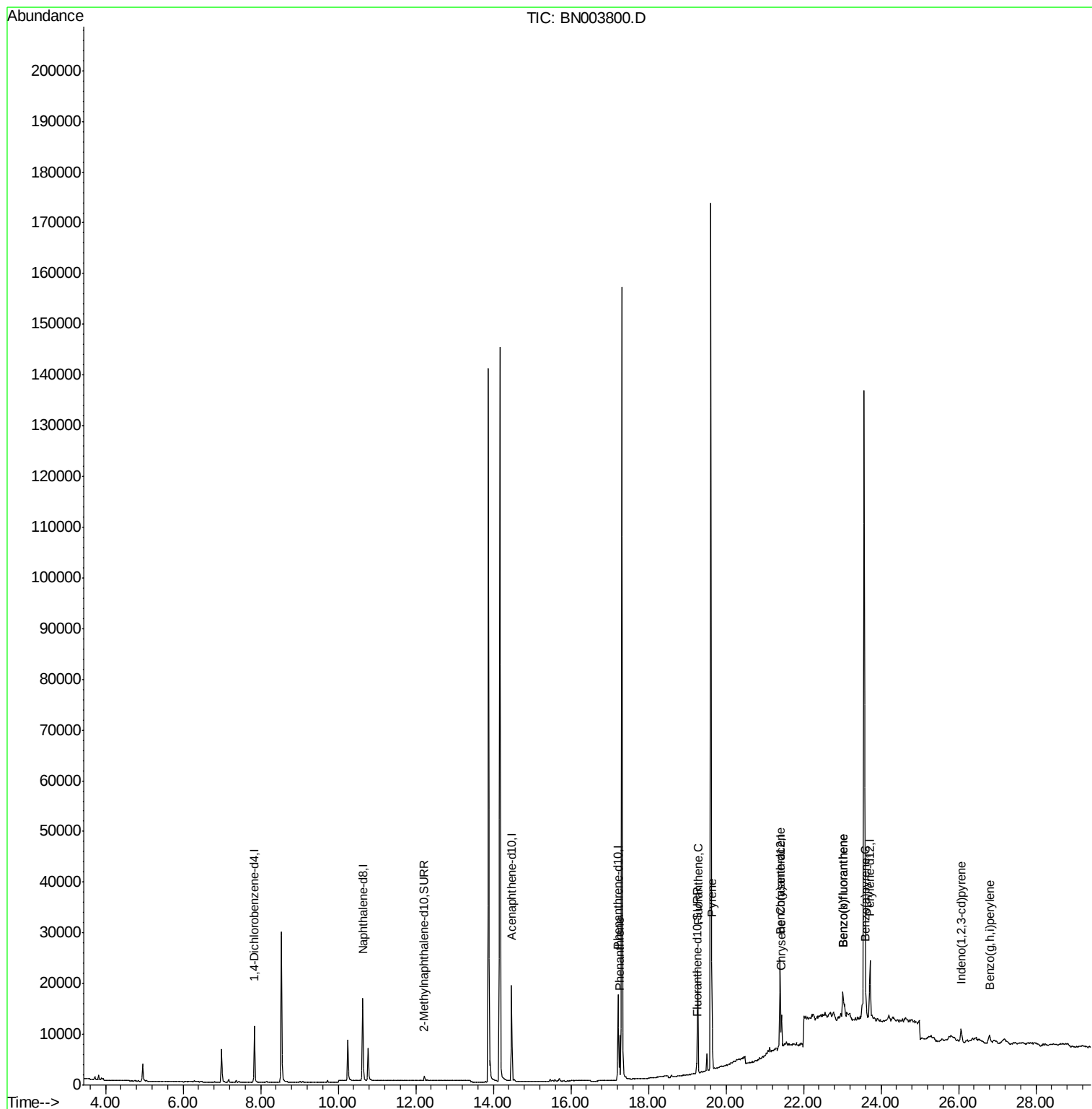
|                            |       |     |       |        |        |    |
|----------------------------|-------|-----|-------|--------|--------|----|
| Target Compounds           |       |     |       | Qvalue |        |    |
| 12) Phenanthrene           | 17.26 | 178 | 9482  | 0.145  | ng/ul  | 96 |
| 15) Fluoranthene           | 19.27 | 202 | 17268 | 0.224  | ng/ul  | 96 |
| 17) Pyrene                 | 19.64 | 202 | 14150 | 0.271  | ng/ul  | 99 |
| 18) Benzo(a)anthracene     | 21.38 | 228 | 4462  | 0.097  | ng/ul# | 50 |
| 19) Chrysene               | 21.43 | 228 | 6259  | 0.119  | ng/ul# | 59 |
| 21) Benzo(b)fluoranthene   | 23.01 | 252 | 11733 | 0.178  | ng/ul# | 1  |
| 22) Benzo(k)fluoranthene   | 23.01 | 252 | 11728 | 0.182  | ng/ul# | 1  |
| 23) Benzo(a)pyrene         | 23.61 | 252 | 4585  | 0.080  | ng/ul# | 1  |
| 24) Indeno(1,2,3-cd)pyrene | 26.06 | 276 | 4337  | 0.066  | ng/ul# | 97 |
| 26) Benzo(g,h,i)perylene   | 26.79 | 276 | 3866  | 0.068  | ng/ul# | 1  |

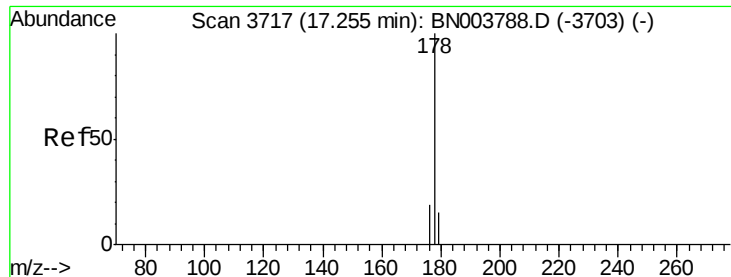
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

Phenanthrene

Concen: 0.145 ng/ul

RT: 17.26 min Scan# 3718

Delta R.T. 0.00 min

Lab File: BN003800.D

Acq: 11 Dec 2018 04:14

Instrument :

BNA\_N

ClientSampleId :

F9Y03DL

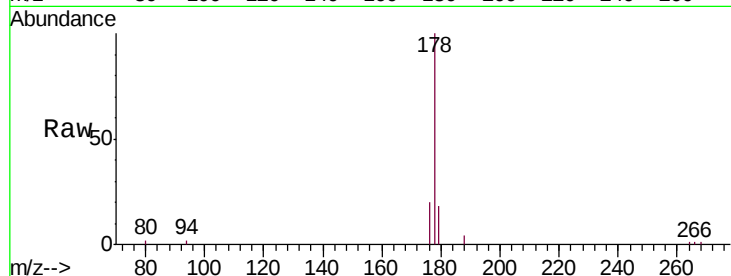
Tgt Ion:178 Resp: 9482

Ion Ratio Lower Upper

178 100

179 17.6 12.5 18.7

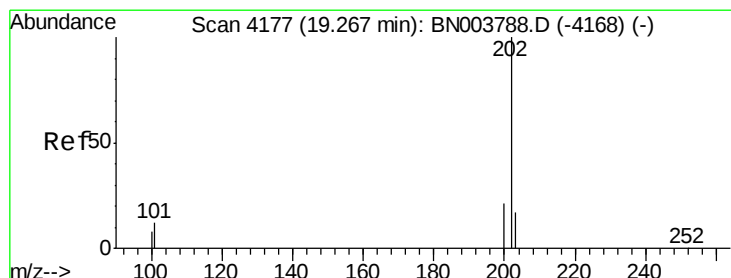
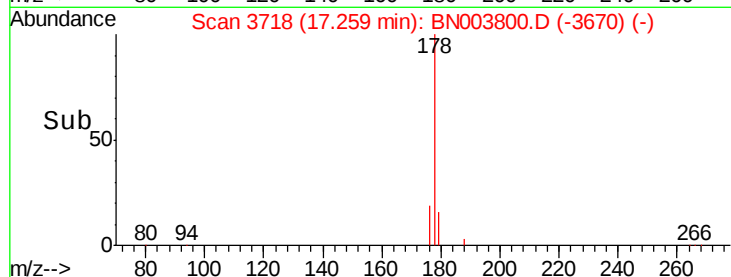
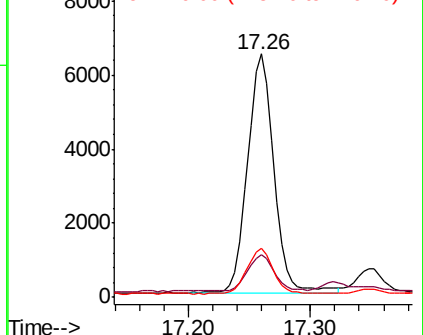
176 20.1 15.0 22.4



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: 0.224 ng/ul

RT: 19.27 min Scan# 4178

Delta R.T. 0.00 min

Lab File: BN003800.D

Acq: 11 Dec 2018 04:14

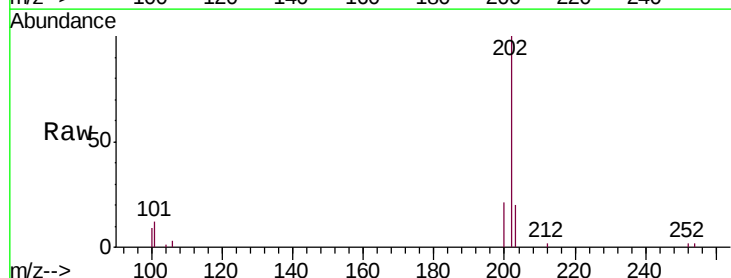
Tgt Ion:202 Resp: 17268

Ion Ratio Lower Upper

202 100

101 12.3 0.0 30.7

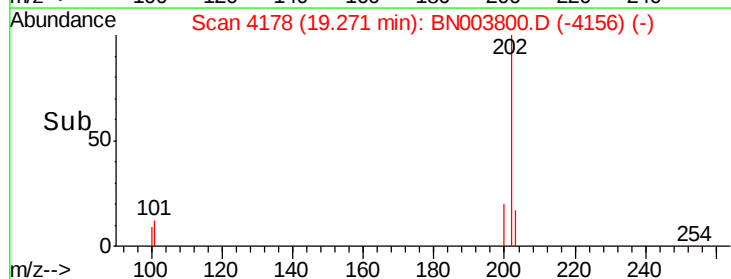
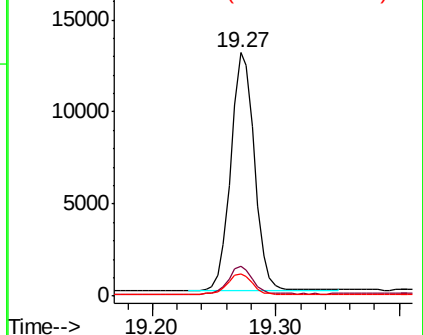
100 9.3 0.0 28.1

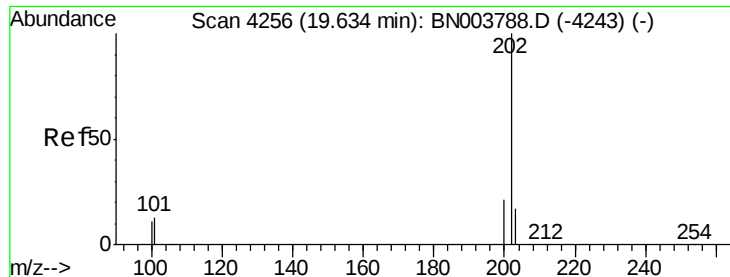


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#17

Pyrene

Concen: 0.271 ng/ul

RT: 19.64 min Scan# 4257

Delta R.T. 0.00 min

Lab File: BN003800.D

Acq: 11 Dec 2018 04:14

Instrument :

BNA\_N

ClientSampleId :

F9Y03DL

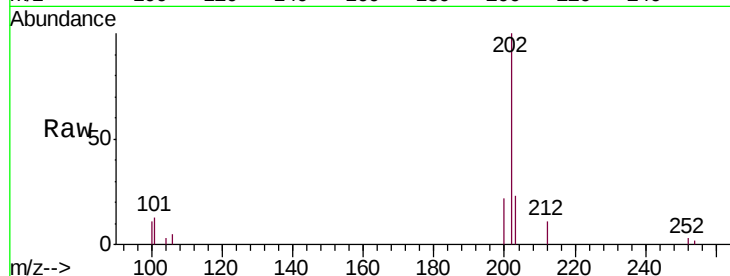
Tgt Ion:202 Resp: 14150

Ion Ratio Lower Upper

202 100

101 13.3 10.3 15.5

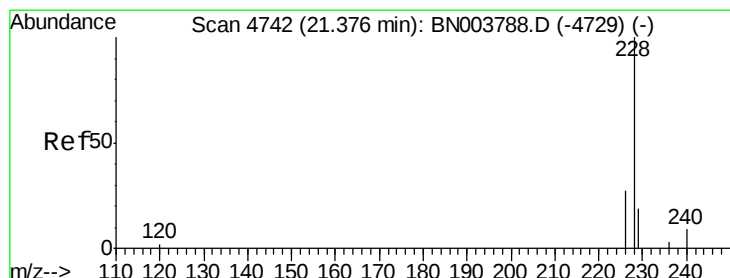
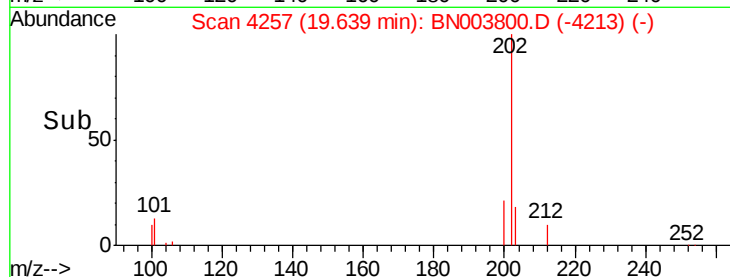
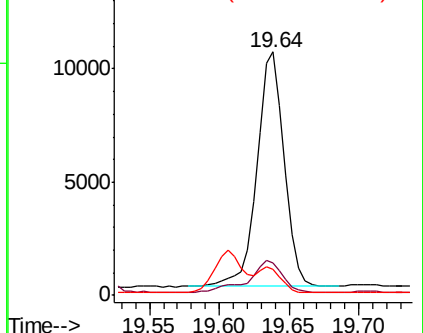
100 10.8 8.5 12.7



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



#18

Benzo(a)anthracene

Concen: 0.097 ng/ul

RT: 21.38 min Scan# 4744

Delta R.T. 0.01 min

Lab File: BN003800.D

Acq: 11 Dec 2018 04:14

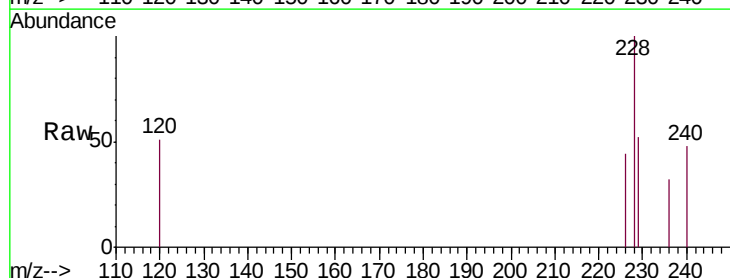
Tgt Ion:228 Resp: 4462

Ion Ratio Lower Upper

228 100

229 52.2 15.6 23.4#

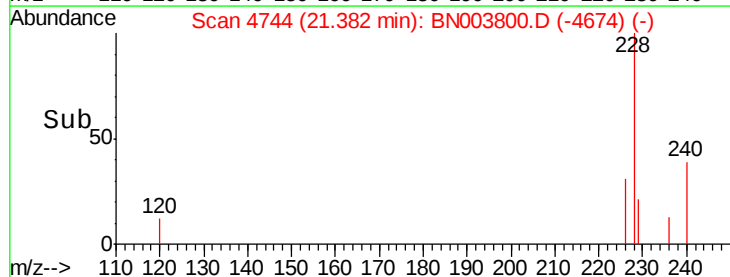
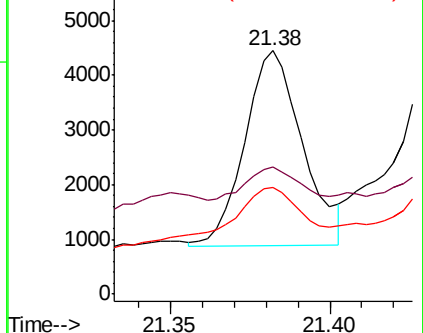
226 43.8 21.1 31.7#

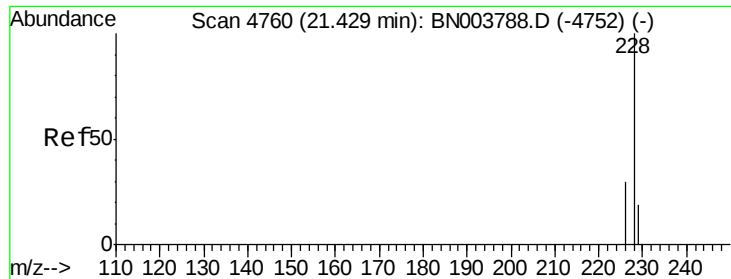


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.119 ng/ul

RT: 21.43 min Scan# 4762

Delta R.T. 0.01 min

Lab File: BN003800.D

Acq: 11 Dec 2018 04:14

Instrument :

BNA\_N

ClientSampleId :

F9Y03DL

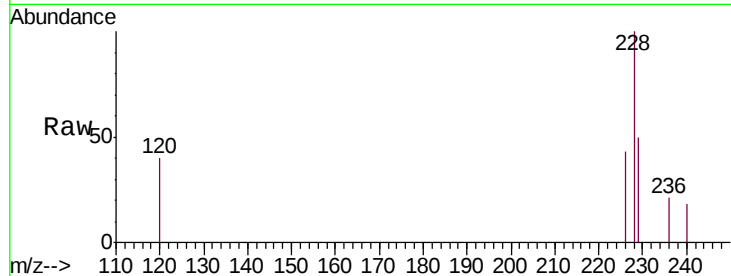
Tgt Ion:228 Resp: 6259

Ion Ratio Lower Upper

228 100

226 43.2 24.0 36.0#

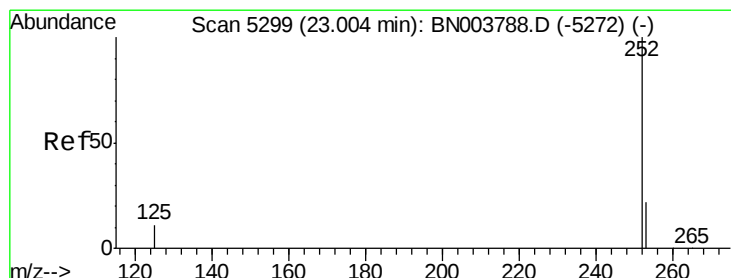
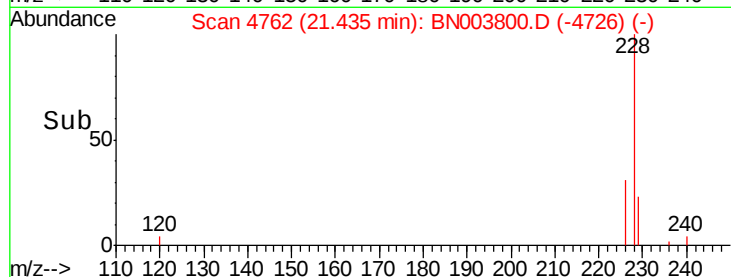
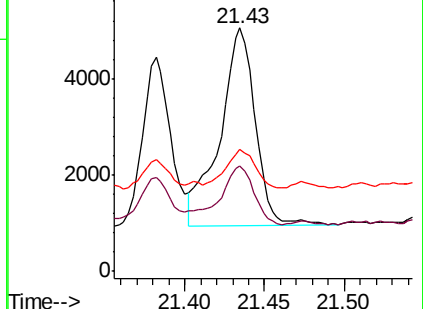
229 50.1 15.7 23.5#



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: 0.178 ng/ul

RT: 23.01 min Scan# 5302

Delta R.T. 0.01 min

Lab File: BN003800.D

Acq: 11 Dec 2018 04:14

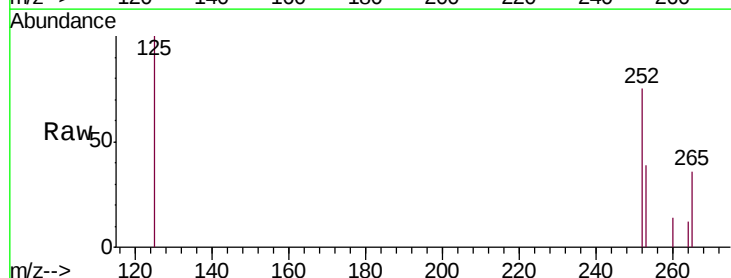
Tgt Ion:252 Resp: 11733

Ion Ratio Lower Upper

252 100

253 51.6 0.0 46.0#

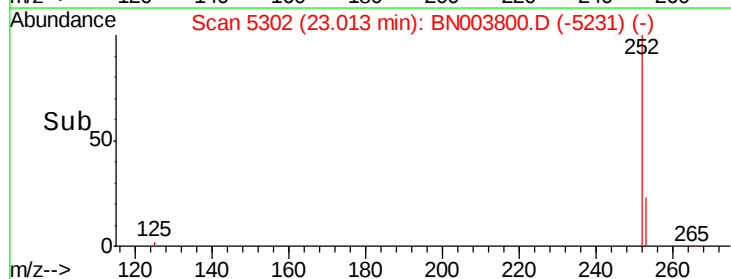
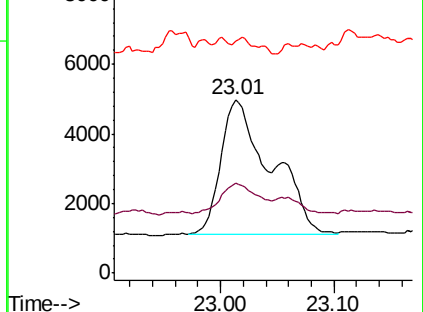
125 133.7 0.0 22.4#

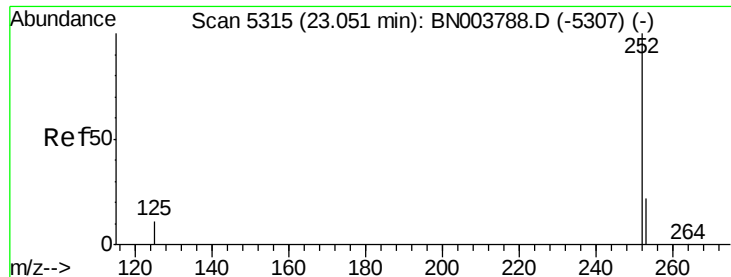


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.182 ng/u1

RT: 23.01 min Scan# 5302

Delta R.T. -0.04 min

Lab File: BN003800.D

Acq: 11 Dec 2018 04:14

Instrument :

BNA\_N

ClientSampleId :

F9Y03DL

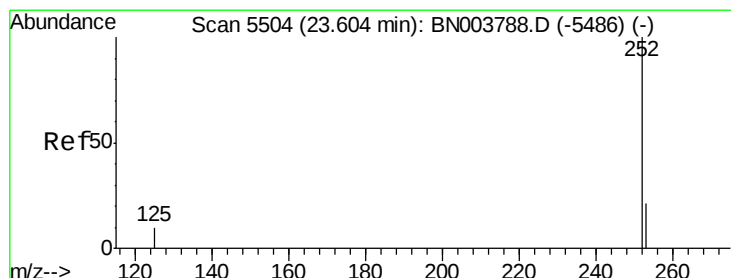
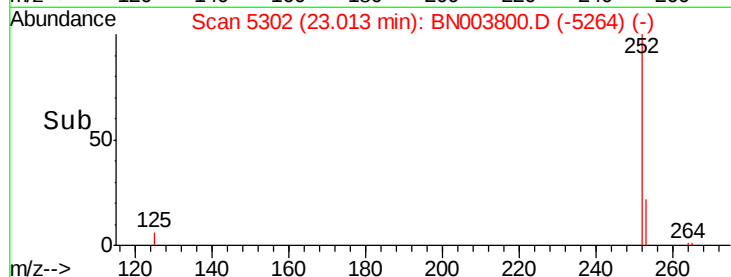
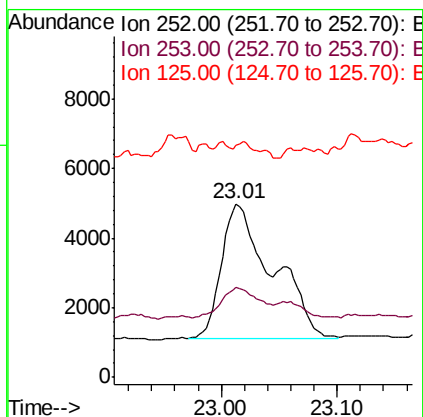
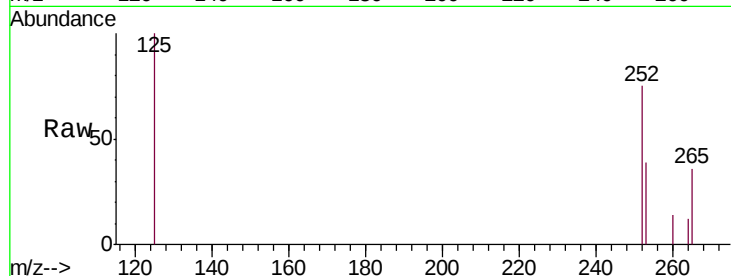
Tgt Ion:252 Resp: 11728

Ion Ratio Lower Upper

252 100

253 51.6 18.5 27.7#

125 133.7 9.0 13.6#



#23

Benzo(a)pyrene

Concen: 0.080 ng/u1

RT: 23.61 min Scan# 5506

Delta R.T. 0.01 min

Lab File: BN003800.D

Acq: 11 Dec 2018 04:14

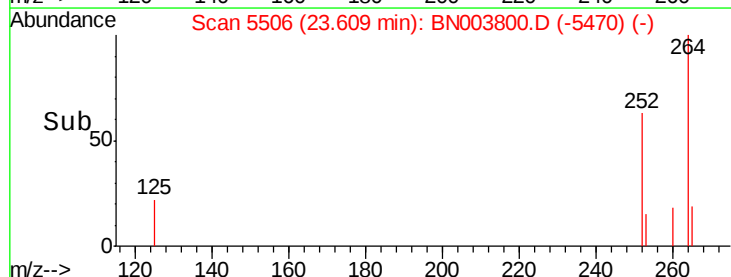
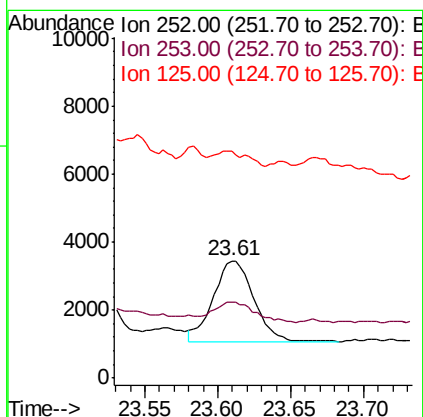
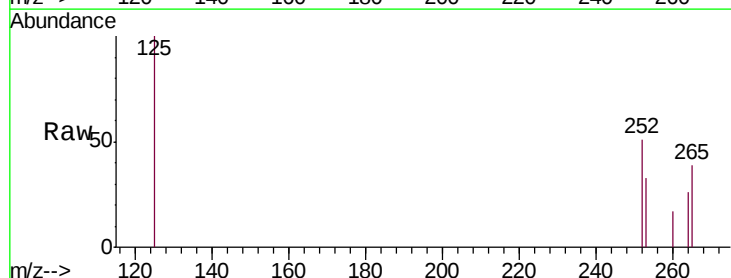
Tgt Ion:252 Resp: 4585

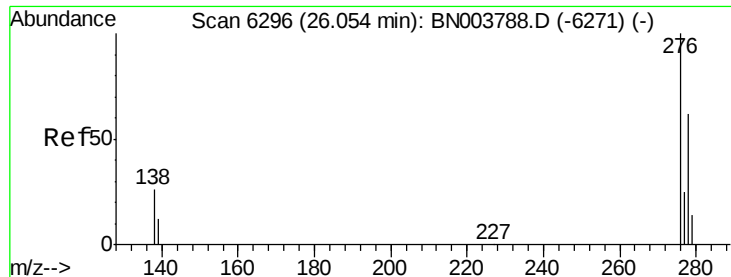
Ion Ratio Lower Upper

252 100

253 64.7 19.0 28.4#

125 194.5 10.2 15.4#





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.066 ng/u1

RT: 26.06 min Scan# 6299

Delta R.T. 0.01 min

Lab File: BN003800.D

Acq: 11 Dec 2018 04:14

Instrument :

BNA\_N

ClientSampleId :

F9Y03DL

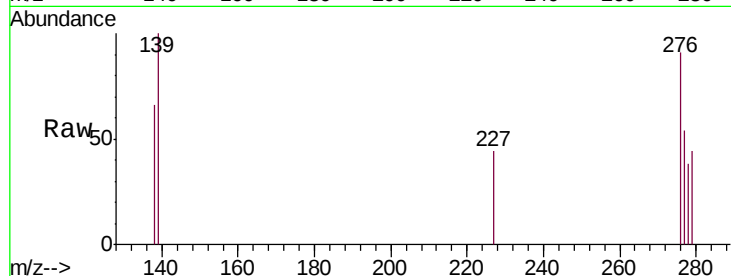
Tgt Ion:276 Resp: 4337

Ion Ratio Lower Upper

276 100

138 23.7 20.3 30.5

227 0.9 0.2 0.2#

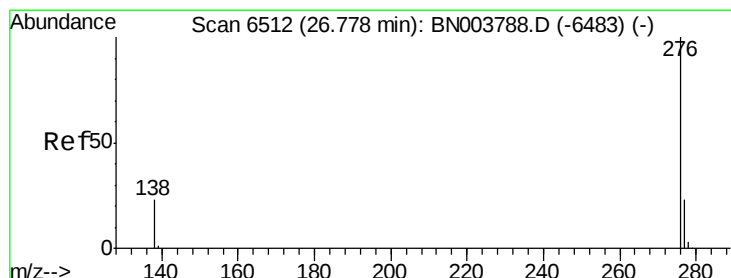
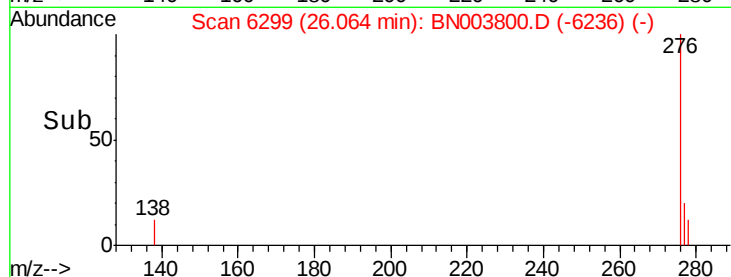
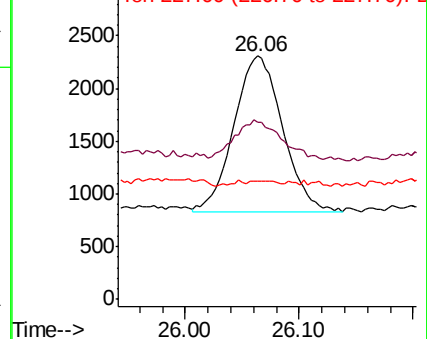


Abundance

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



#26

Benzo(g,h,i)perylene

Concen: 0.068 ng/u1

RT: 26.79 min Scan# 6517

Delta R.T. 0.02 min

Lab File: BN003800.D

Acq: 11 Dec 2018 04:14

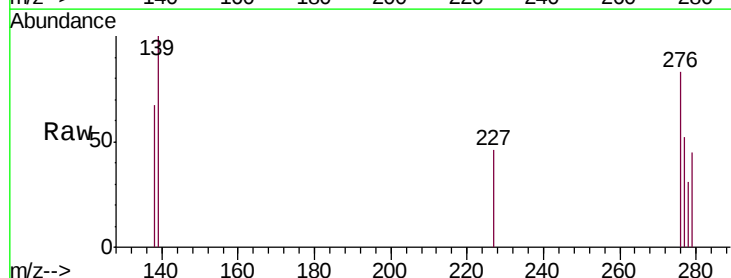
Tgt Ion:276 Resp: 3866

Ion Ratio Lower Upper

276 100

138 80.8 17.7 26.5#

277 63.5 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

