

Data File : BN004036.D  
Acq On : 17 Dec 2018 15:28  
Operator : JU/SJ  
Sample : J6228-19DL 5X  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9E58DL

Quant Time: Dec 18 04:32:05 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 18 04:29:07 2018  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.84  | 152  | 1292     | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.63 | 136  | 6730     | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.47 | 164  | 4100     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.22 | 188  | 10412    | 0.40 | ng/ul | 0.00     |
| 16) Chrysene-d12          | 21.41 | 240  | 12541    | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.73 | 264  | 12177    | 0.40 | ng/ul | 0.00     |

|                             |       |     |      |      |       |      |
|-----------------------------|-------|-----|------|------|-------|------|
| System Monitoring Compounds |       |     |      |      |       |      |
| 4) 2-Methylnaphthalene-d10  | 12.22 | 152 | 587  | 0.06 | ng/ul | 0.00 |
| 14) Fluoranthene-d10        | 19.24 | 212 | 1870 | 0.06 | ng/ul | 0.00 |

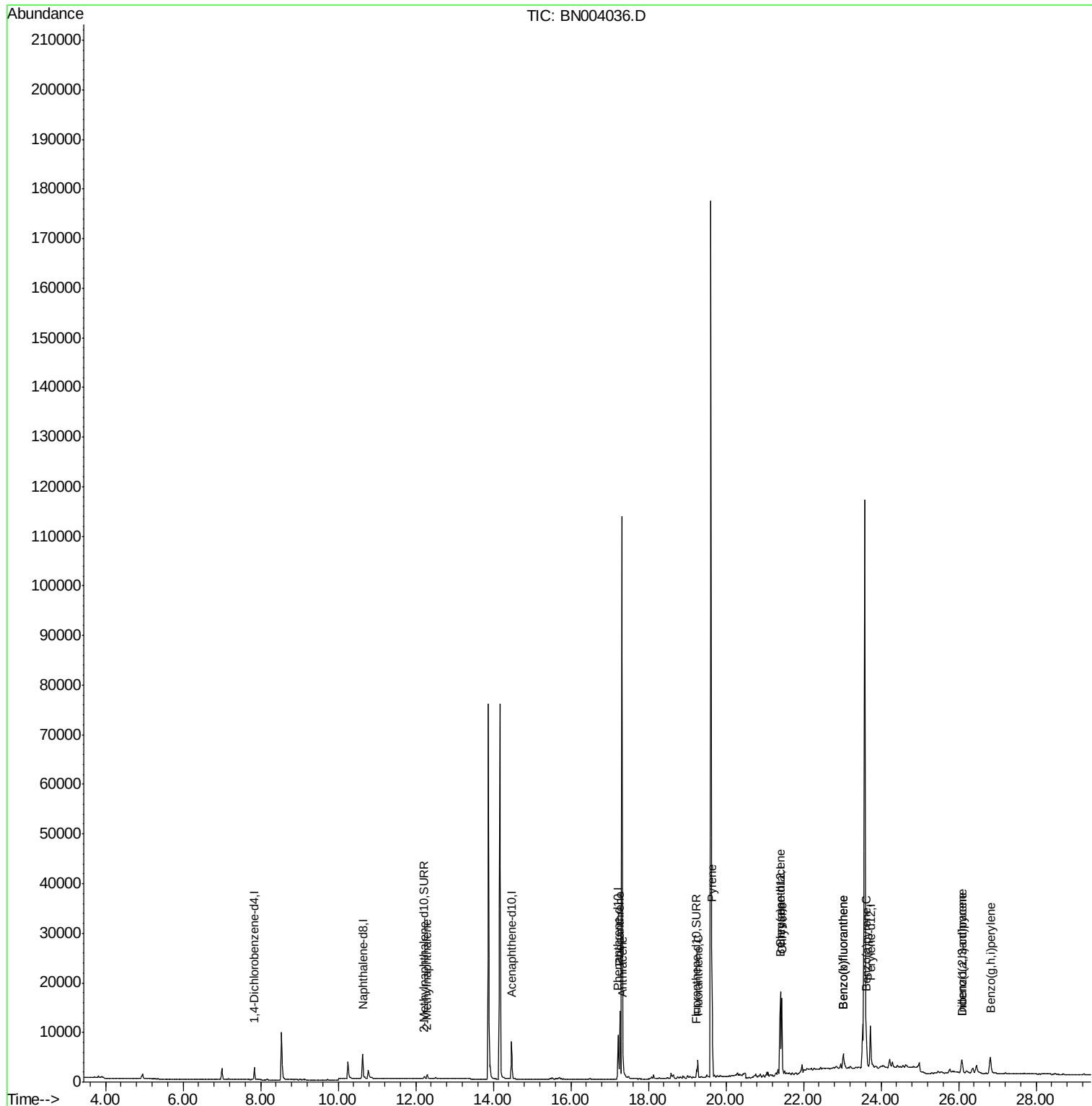
|                            |       |     |       |        |        |    |
|----------------------------|-------|-----|-------|--------|--------|----|
| Target Compounds           |       |     |       | Qvalue |        |    |
| 5) 2-Methylnaphthalene     | 12.29 | 142 | 586   | 0.044  | ng/ul  | 98 |
| 12) Phenanthrene           | 17.26 | 178 | 14596 | 0.427  | ng/ul  | 99 |
| 13) Anthracene             | 17.35 | 178 | 945   | 0.034  | ng/ul# | 82 |
| 15) Fluoranthene           | 19.28 | 202 | 3235  | 0.080  | ng/ul  | 90 |
| 17) Pyrene                 | 19.64 | 202 | 15358 | 0.341  | ng/ul  | 95 |
| 18) Benzo(a)anthracene     | 21.39 | 228 | 8266  | 0.209  | ng/ul# | 89 |
| 19) Chrysene               | 21.44 | 228 | 14801 | 0.327  | ng/ul# | 95 |
| 21) Benzo(b)fluoranthene   | 23.02 | 252 | 5588  | 0.111  | ng/ul# | 66 |
| 22) Benzo(k)fluoranthene   | 23.02 | 252 | 5588  | 0.114  | ng/ul# | 66 |
| 23) Benzo(a)pyrene         | 23.62 | 252 | 5926  | 0.136  | ng/ul# | 78 |
| 24) Indeno(1,2,3-cd)pyrene | 26.08 | 276 | 3357  | 0.067  | ng/ul# | 97 |
| 25) Dibenzo(a,h)anthracene | 26.09 | 278 | 2550  | 0.063  | ng/ul# | 31 |
| 26) Benzo(g,h,i)perylene   | 26.82 | 276 | 7062  | 0.162  | ng/ul# | 85 |

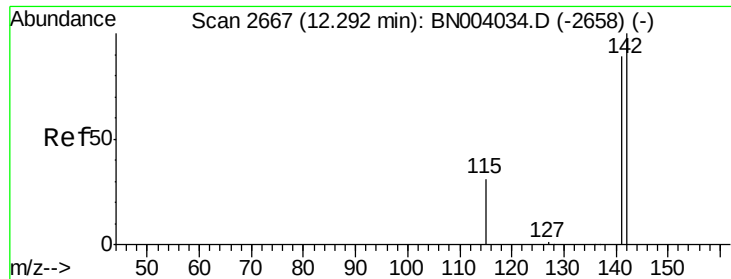
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : BN004036.D  
Acq On : 17 Dec 2018 15:28  
Operator : JU/SJ  
Sample : J6228-19DL 5X  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
F9E58DL

Quant Time: Dec 18 04:32:05 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 18 04:29:07 2018  
Response via : Initial Calibration





#5

2-Methylnaphthalene

Concen: 0.044 ng/ul

RT: 12.29 min Scan# 2667

Delta R.T. 0.00 min

Lab File: BN004036.D

Acq: 17 Dec 2018 15:28

Instrument :

BNA\_N

ClientSampleId :

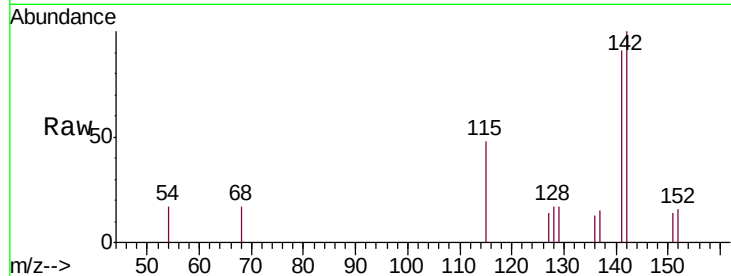
F9E58DL

Tgt Ion:142 Resp: 586

Ion Ratio Lower Upper

142 100

141 91.0 71.5 107.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.29

400

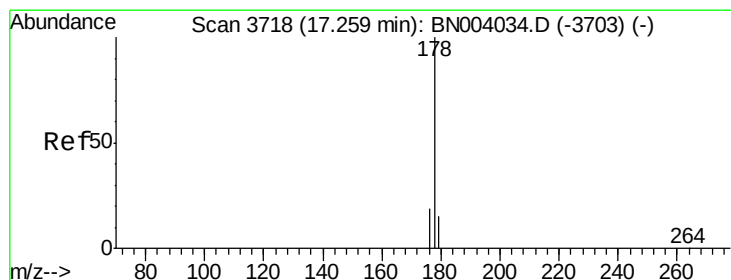
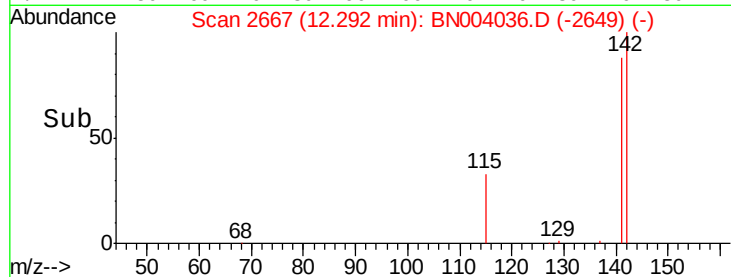
300

200

100

0

Time-->



#12

Phenanthrene

Concen: 0.427 ng/ul

RT: 17.26 min Scan# 3718

Delta R.T. 0.00 min

Lab File: BN004036.D

Acq: 17 Dec 2018 15:28

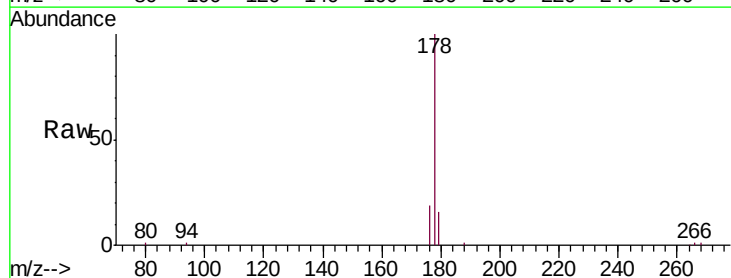
Tgt Ion:178 Resp: 14596

Ion Ratio Lower Upper

178 100

179 15.8 12.5 18.7

176 19.2 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

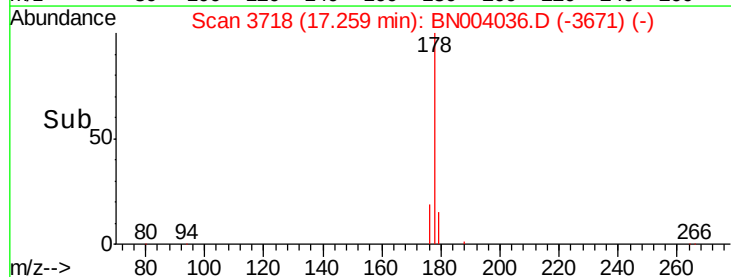
17.26

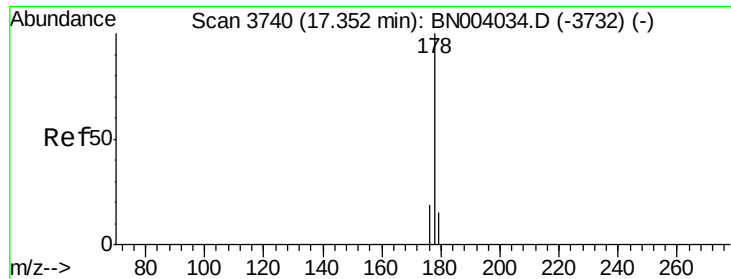
10000

5000

0

Time-->





#13

Anthracene

Concen: 0.034 ng/ul

RT: 17.35 min Scan# 3739

Delta R.T. -0.00 min

Lab File: BN004036.D

Acq: 17 Dec 2018 15:28

Instrument :

BNA\_N

ClientSampleId :

F9E58DL

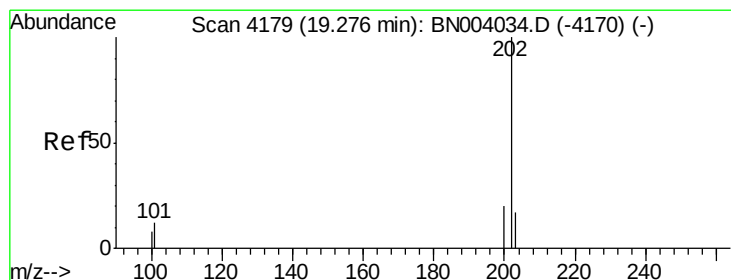
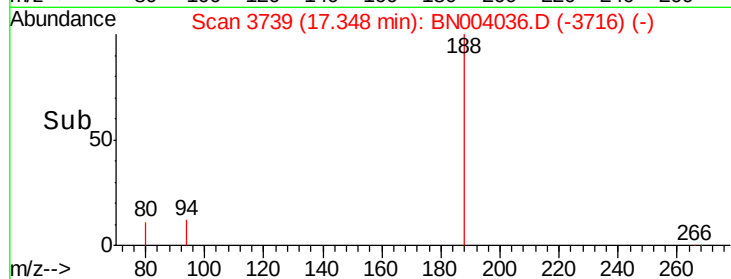
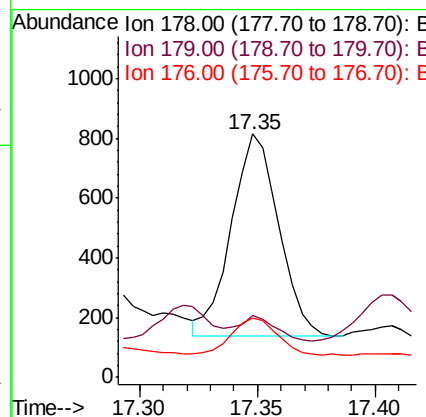
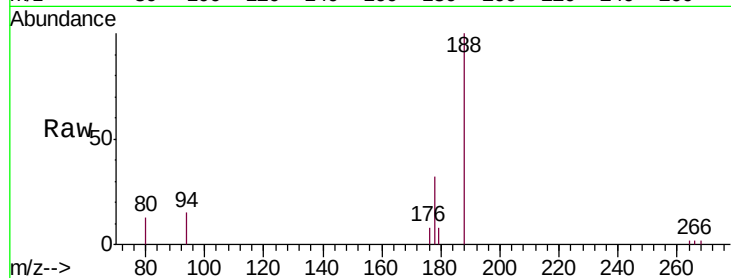
Tgt Ion:178 Resp: 945

Ion Ratio Lower Upper

178 100

179 25.3 12.3 18.5#

176 24.5 14.8 22.2#



#15

Fluoranthene

Concen: 0.080 ng/ul

RT: 19.28 min Scan# 4179

Delta R.T. 0.00 min

Lab File: BN004036.D

Acq: 17 Dec 2018 15:28

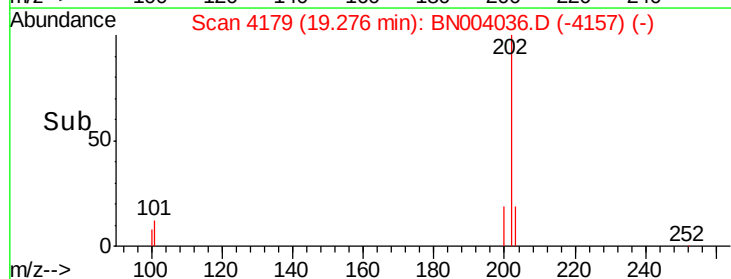
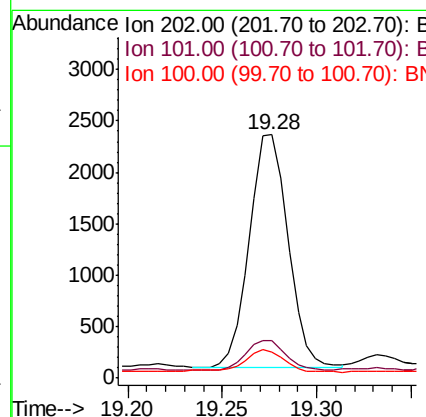
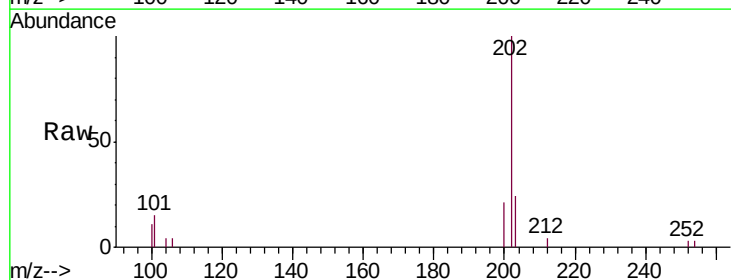
Tgt Ion:202 Resp: 3235

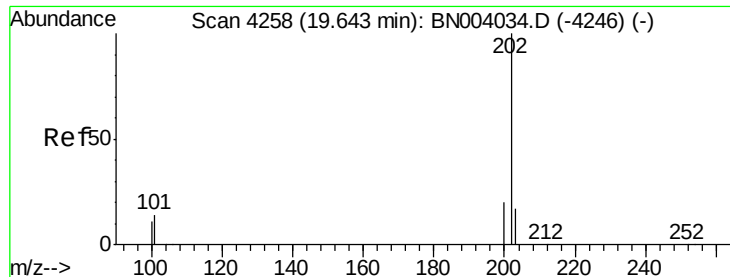
Ion Ratio Lower Upper

202 100

101 15.2 0.0 30.7

100 10.6 0.0 28.1





#17

Pyrene

Concen: 0.341 ng/ul

RT: 19.64 min Scan# 4257

Delta R.T. -0.00 min

Lab File: BN004036.D

Acq: 17 Dec 2018 15:28

Instrument :

BNA\_N

ClientSampleId :

F9E58DL

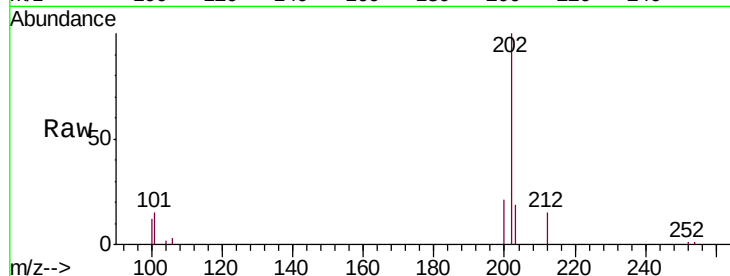
Tgt Ion:202 Resp: 15358

Ion Ratio Lower Upper

202 100

101 15.1 10.3 15.5

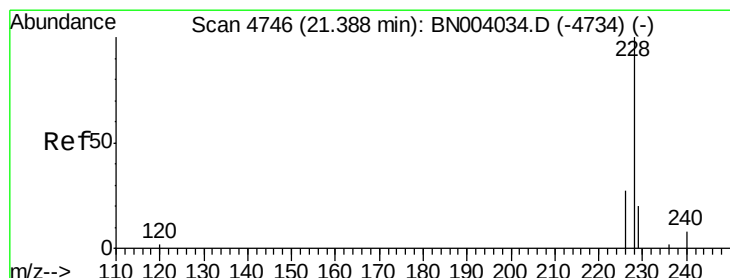
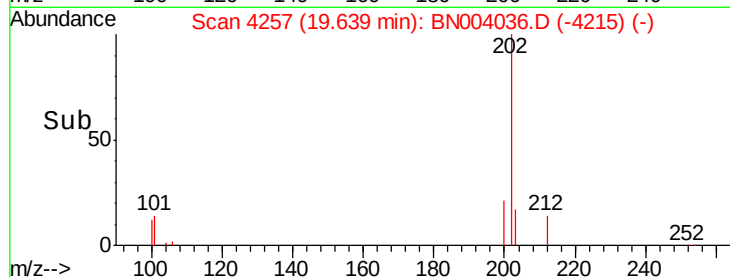
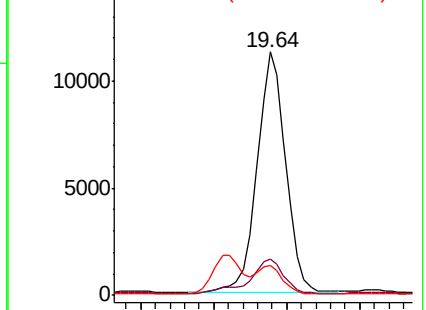
100 12.2 8.5 12.7



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: 0.209 ng/ul

RT: 21.39 min Scan# 4746

Delta R.T. 0.00 min

Lab File: BN004036.D

Acq: 17 Dec 2018 15:28

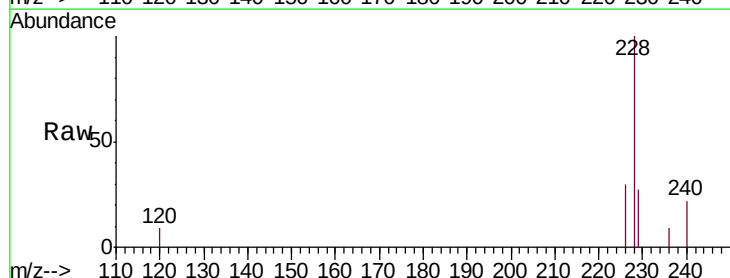
Tgt Ion:228 Resp: 8266

Ion Ratio Lower Upper

228 100

229 27.0 15.6 23.4#

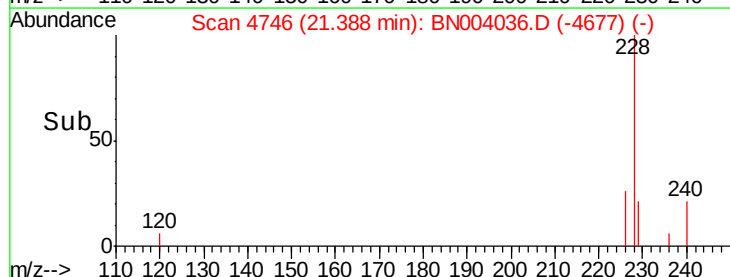
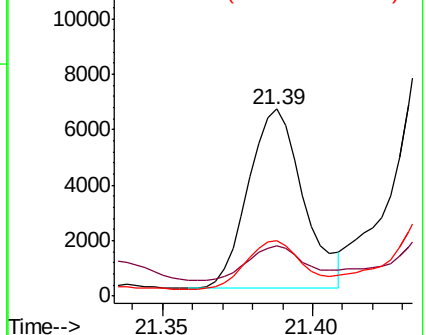
226 29.5 21.1 31.7

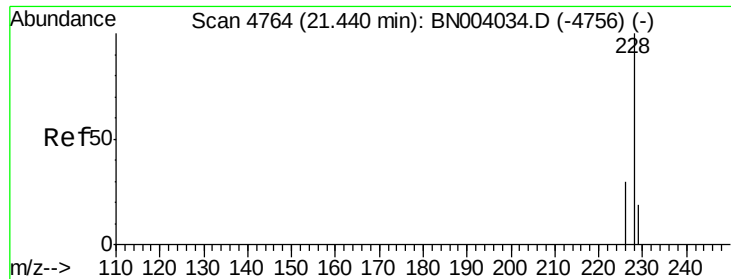


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.327 ng/ul

RT: 21.44 min Scan# 4764

Delta R.T. 0.00 min

Lab File: BN004036.D

Acq: 17 Dec 2018 15:28

Instrument :

BNA\_N

ClientSampleId :

F9E58DL

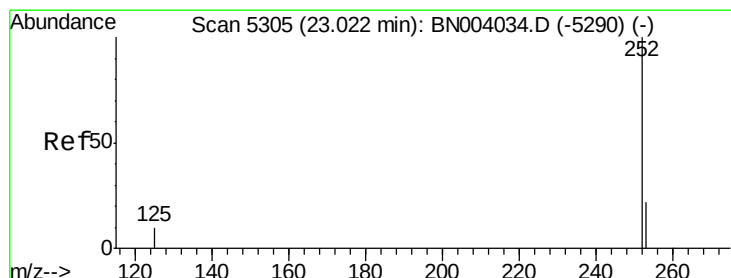
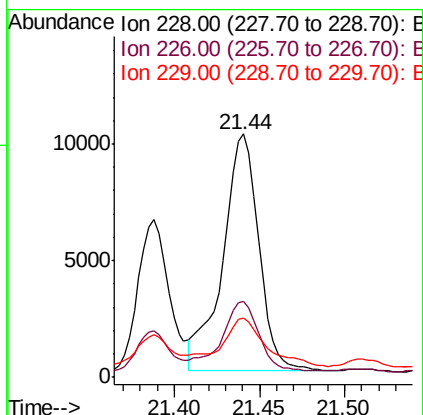
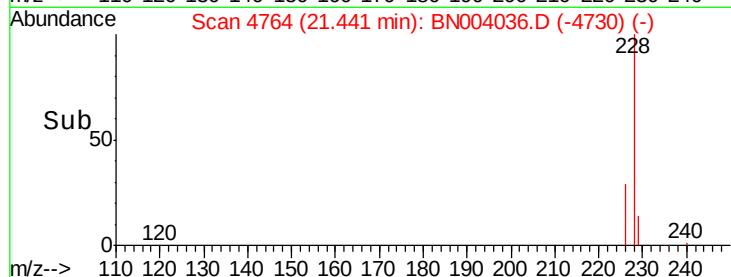
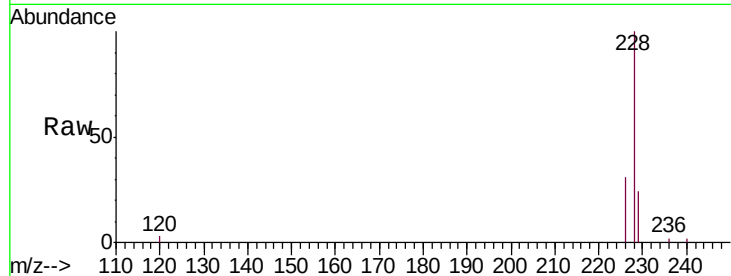
Tgt Ion:228 Resp: 14801

Ion Ratio Lower Upper

228 100

226 31.4 24.0 36.0

229 24.2 15.7 23.5#



#21

Benzo(b)fluoranthene

Concen: 0.111 ng/ul

RT: 23.02 min Scan# 5305

Delta R.T. 0.00 min

Lab File: BN004036.D

Acq: 17 Dec 2018 15:28

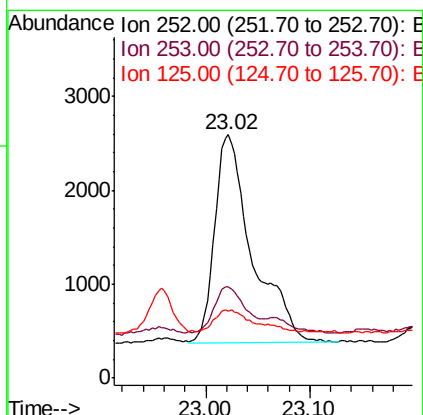
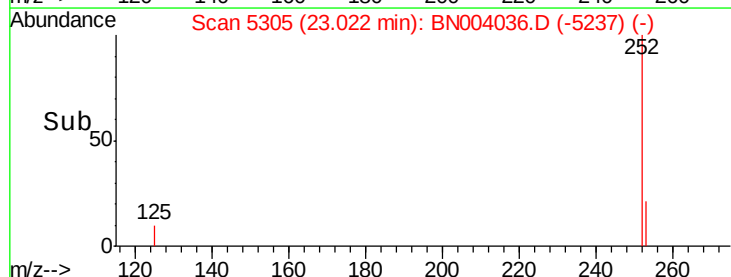
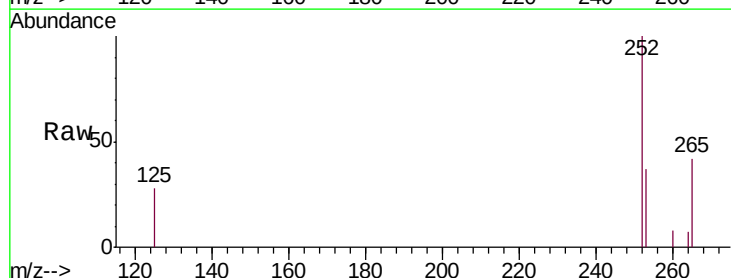
Tgt Ion:252 Resp: 5588

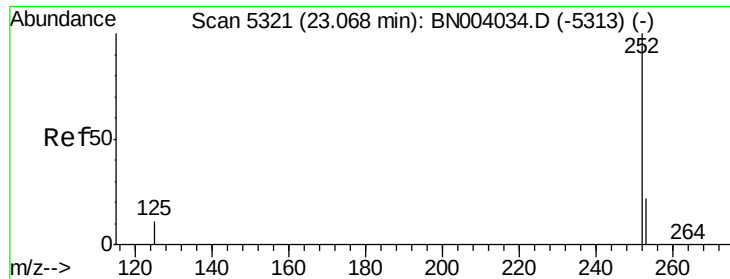
Ion Ratio Lower Upper

252 100

253 37.4 0.0 46.0

125 27.6 0.0 22.4#





#22

Benzo(k)fluoranthene

Concen: 0.114 ng/ul

RT: 23.02 min Scan# 5305

Delta R.T. -0.05 min

Lab File: BN004036.D

Acq: 17 Dec 2018 15:28

Instrument :

BNA\_N

ClientSampleId :

F9E58DL

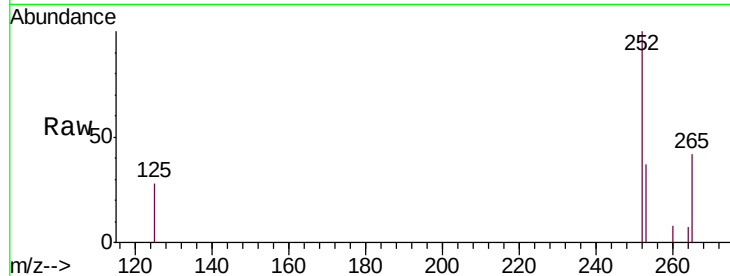
Tgt Ion:252 Resp: 5588

Ion Ratio Lower Upper

252 100

253 37.4 18.5 27.7#

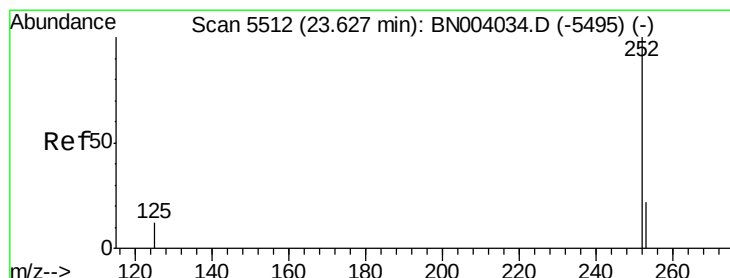
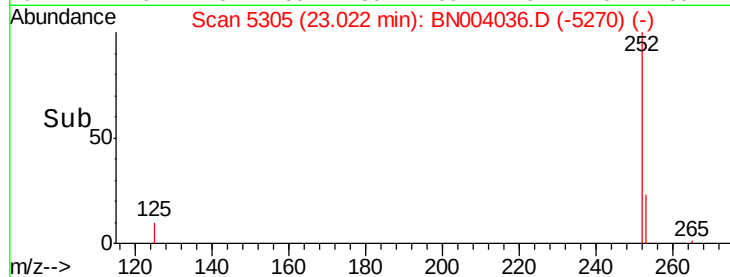
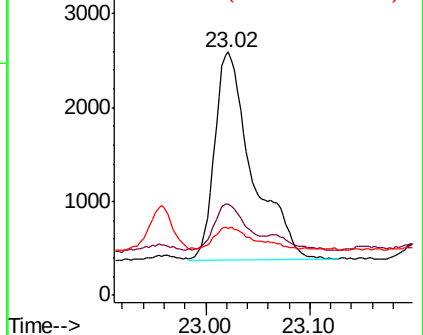
125 27.6 9.0 13.6#



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: 0.136 ng/ul

RT: 23.62 min Scan# 5510

Delta R.T. -0.01 min

Lab File: BN004036.D

Acq: 17 Dec 2018 15:28

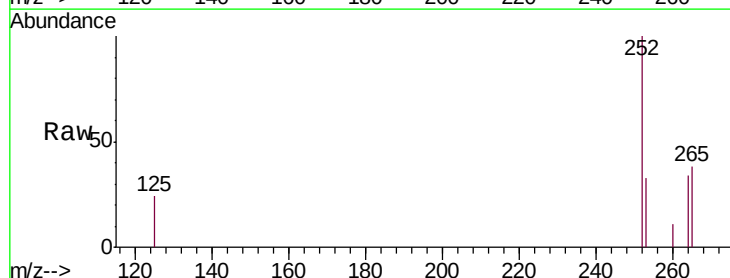
Tgt Ion:252 Resp: 5926

Ion Ratio Lower Upper

252 100

253 33.0 19.0 28.4#

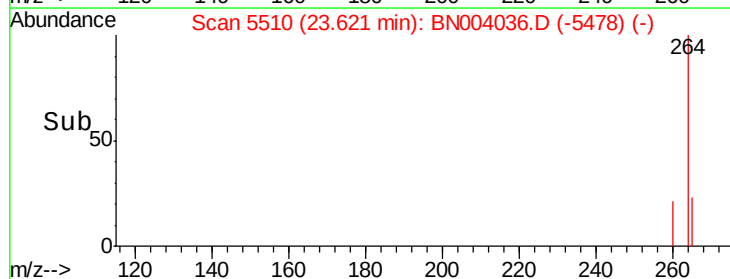
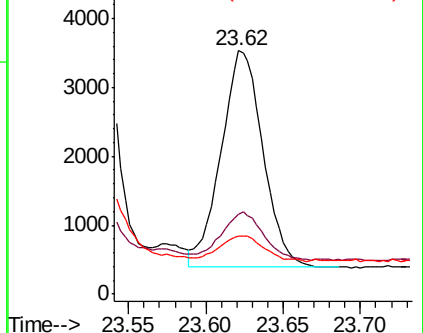
125 24.1 10.2 15.4#

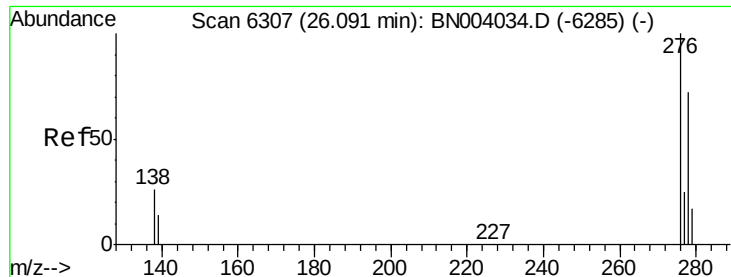


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



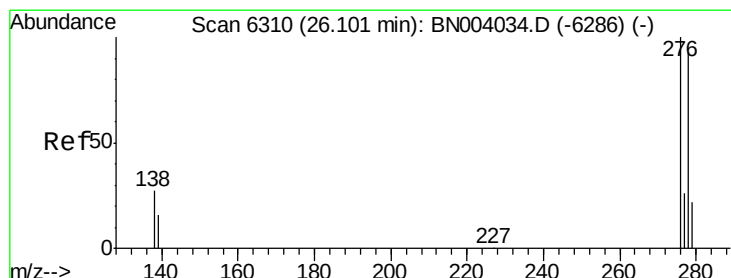
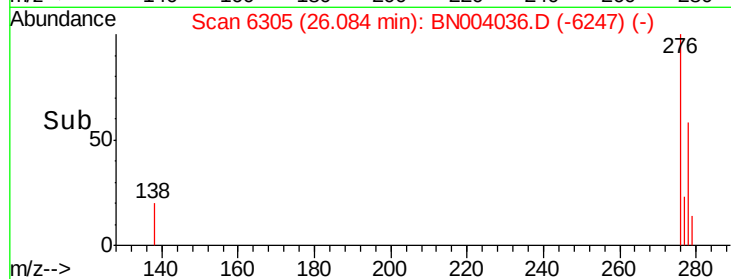
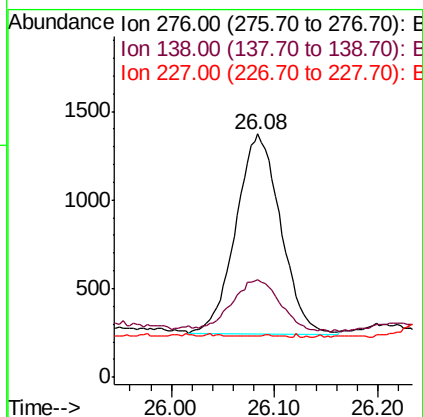
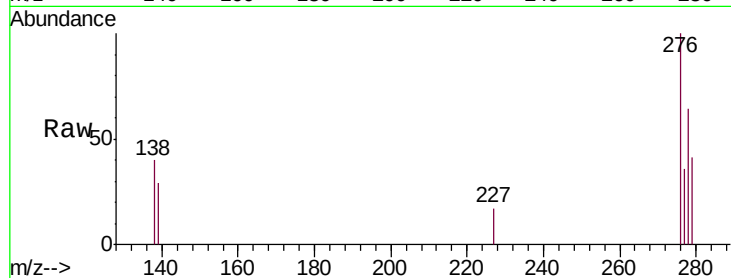


#24

Indeno(1,2,3-cd)pyrene  
Concen: 0.067 ng/ul  
RT: 26.08 min Scan# 6305  
Delta R.T. -0.01 min  
Lab File: BN004036.D  
Acq: 17 Dec 2018 15:28

Instrument :  
BNA\_N  
ClientSampleId :  
F9E58DL

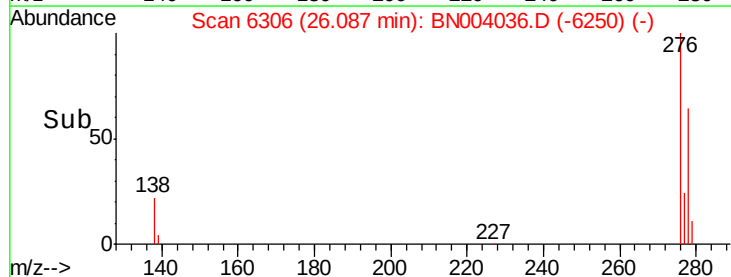
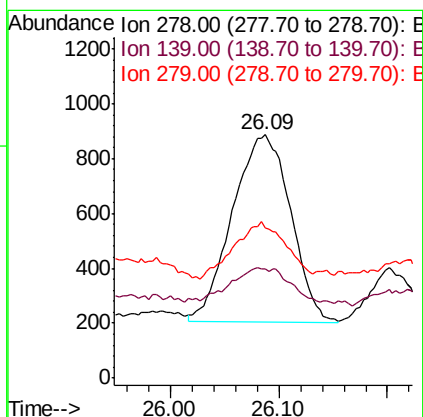
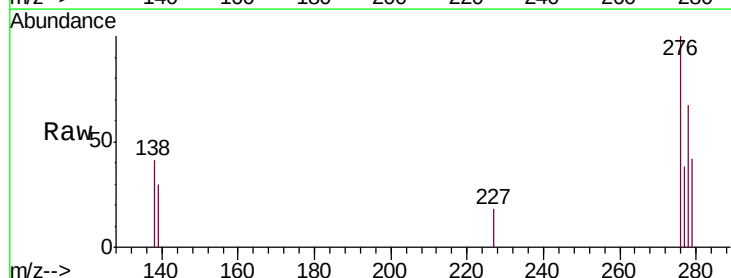
Tgt Ion: 276 Resp: 3357  
Ion Ratio Lower Upper  
276 100  
138 27.1 20.3 30.5  
227 0.5 0.2 0.2#



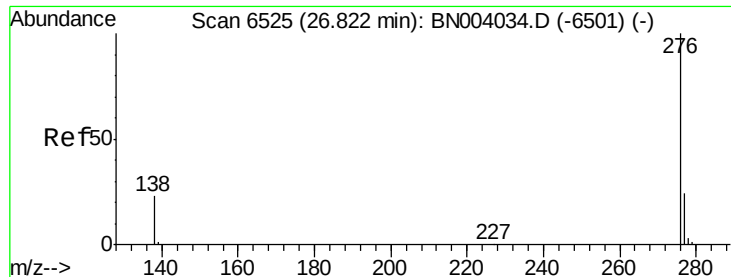
#25

Dibenzo(a,h)anthracene  
Concen: 0.063 ng/ul  
RT: 26.09 min Scan# 6306  
Delta R.T. -0.01 min  
Lab File: BN004036.D  
Acq: 17 Dec 2018 15:28

Tgt Ion: 278 Resp: 2550  
Ion Ratio Lower Upper  
278 100  
139 44.8 14.2 21.4#  
279 61.8 19.8 29.6#







#26

Benzo(g,h,i)perylene

Concen: 0.162 ng/ul

RT: 26.82 min Scan# 6523

Delta R.T. -0.01 min

Lab File: BN004036.D

Acq: 17 Dec 2018 15:28

Instrument :

BNA\_N

ClientSampleId :

F9E58DL

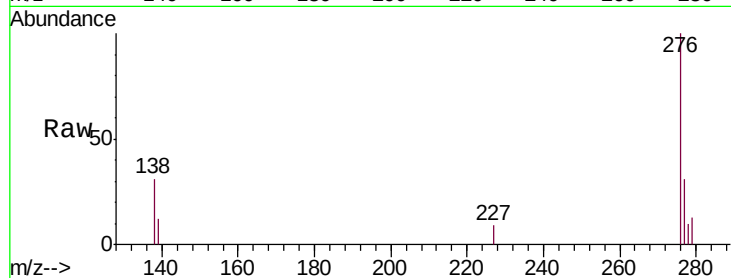
Tgt Ion:276 Resp: 7062

Ion Ratio Lower Upper

276 100

138 30.6 17.7 26.5#

277 30.6 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

