

Data File : BN005495.D  
Acq On : 06 May 2019 21:03  
Operator : JU/SJ  
Sample : SSTDICV0.4  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SICV64

Quant Time: May 07 06:50:28 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN050719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue May 07 03:05:33 2019  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.61  | 152  | 1661     | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.37 | 136  | 6120     | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.24 | 164  | 3483     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.01 | 188  | 8889     | 0.40 | ng/ul | 0.00     |
| 16) Chrysene-d12          | 21.22 | 240  | 9854     | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.43 | 264  | 11606    | 0.40 | ng/ul | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 11.98 | 152  | 3855     | 0.40 | ng/ul | 0.01     |
| 14) Fluoranthene-d10        | 19.04 | 212  | 11256    | 0.40 | ng/ul | 0.00     |

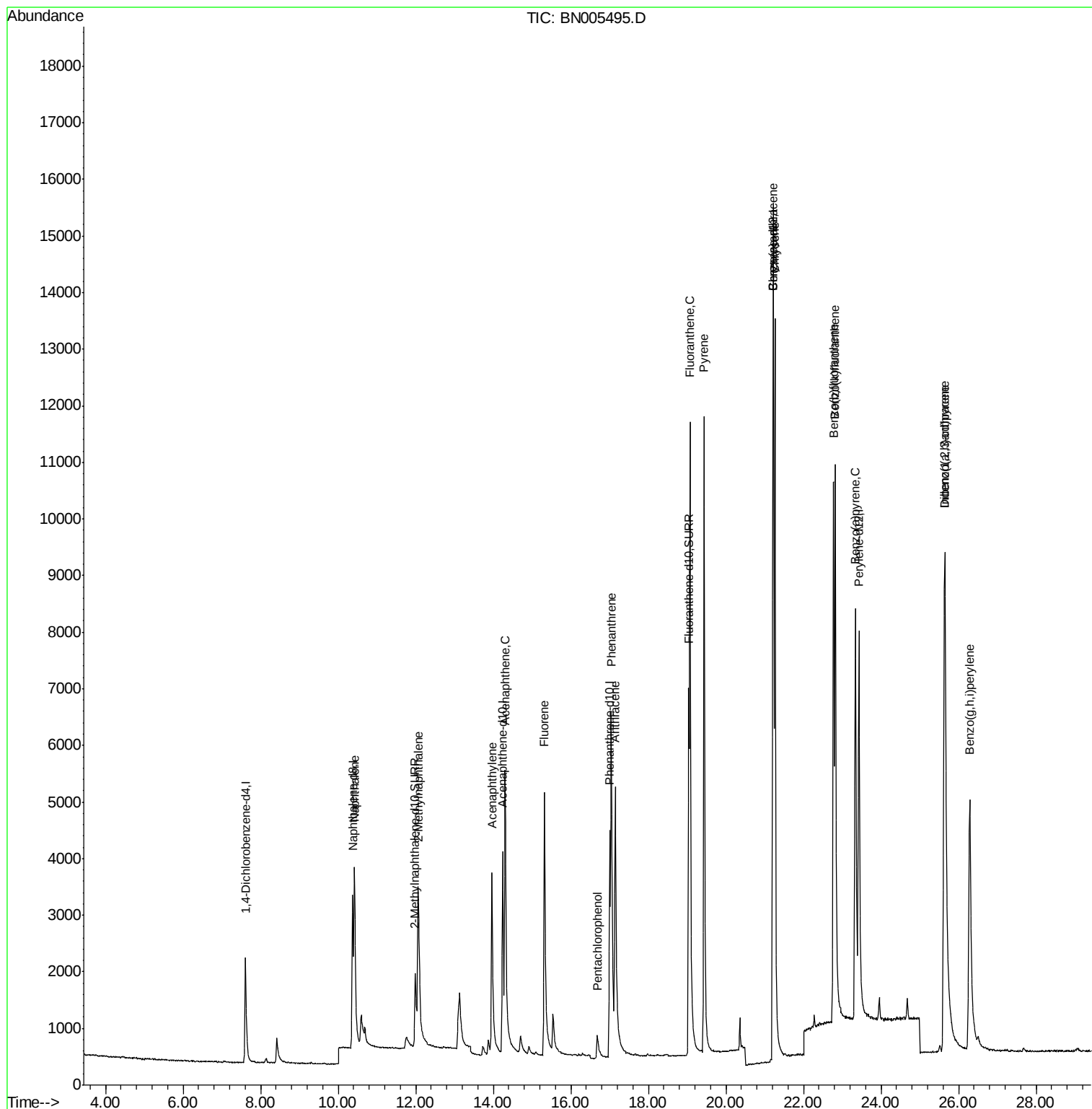
| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 3) Naphthalene             | 10.42 | 128  | 6446     | 0.398 | ng/ul  | 100    |
| 5) 2-Methylnaphthalene     | 12.06 | 142  | 4413     | 0.399 | ng/ul  | 98     |
| 7) Acenaphthylene          | 13.96 | 152  | 7048     | 0.402 | ng/ul  | 100    |
| 8) Acenaphthene            | 14.31 | 153  | 5047     | 0.407 | ng/ul  | 98     |
| 9) Fluorene                | 15.31 | 166  | 5879     | 0.406 | ng/ul  | 98     |
| 11) Pentachlorophenol      | 16.68 | 266  | 808      | 0.351 | ng/ul  | 89     |
| 12) Phenanthrene           | 17.04 | 178  | 9598     | 0.396 | ng/ul  | 99     |
| 13) Anthracene             | 17.14 | 178  | 9607     | 0.398 | ng/ul  | 99     |
| 15) Fluoranthene           | 19.07 | 202  | 13457    | 0.401 | ng/ul  | 99     |
| 17) Pyrene                 | 19.43 | 202  | 14260    | 0.392 | ng/ul  | 100    |
| 18) Benzo(a)anthracene     | 21.21 | 228  | 13224    | 0.389 | ng/ul  | 99     |
| 19) Chrysene               | 21.26 | 228  | 16705    | 0.400 | ng/ul  | 99     |
| 21) Benzo(b)fluoranthene   | 22.77 | 252  | 13906    | 0.399 | ng/ul  | 98     |
| 22) Benzo(k)fluoranthene   | 22.82 | 252  | 17628    | 0.403 | ng/ul  | 99     |
| 23) Benzo(a)pyrene         | 23.33 | 252  | 15566    | 0.399 | ng/ul  | 98     |
| 24) Indeno(1,2,3-cd)pyrene | 25.63 | 276  | 17363    | 0.398 | ng/ul# | 57     |
| 25) Dibenzo(a,h)anthracene | 25.65 | 278  | 14349    | 0.398 | ng/ul  | 100    |
| 26) Benzo(g,h,i)perylene   | 26.29 | 276  | 14633    | 0.393 | ng/ul  | 99     |

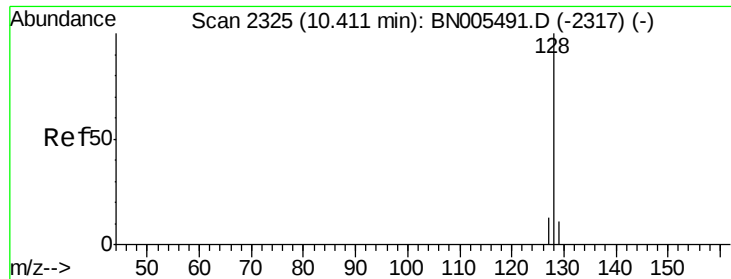
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.398 ng/ul

RT: 10.42 min Scan# 2326

Delta R.T. 0.01 min

Lab File: BN005495.D

Acq: 06 May 2019 21:03

Instrument :

BNA\_N

ClientSampleId :

SICV64

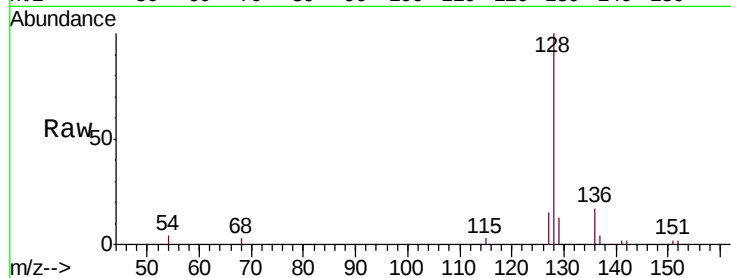
Tgt Ion:128 Resp: 6446

Ion Ratio Lower Upper

128 100

129 12.8 10.2 15.2

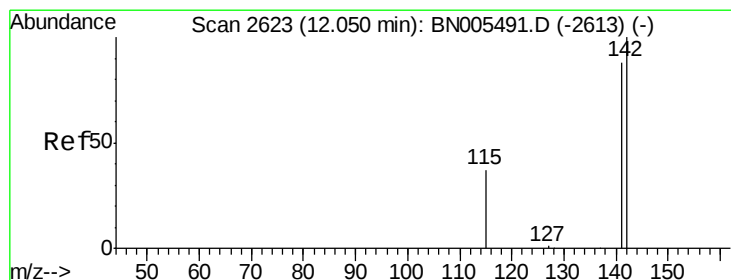
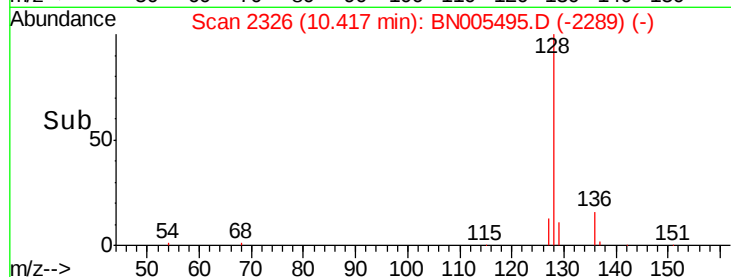
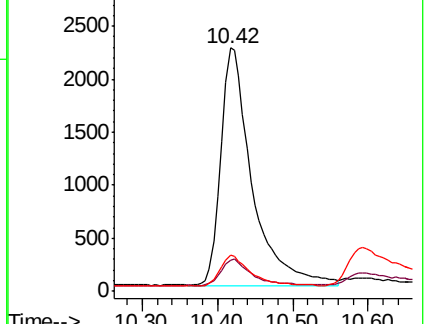
127 15.0 11.8 17.8



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: 0.399 ng/ul

RT: 12.06 min Scan# 2625

Delta R.T. 0.01 min

Lab File: BN005495.D

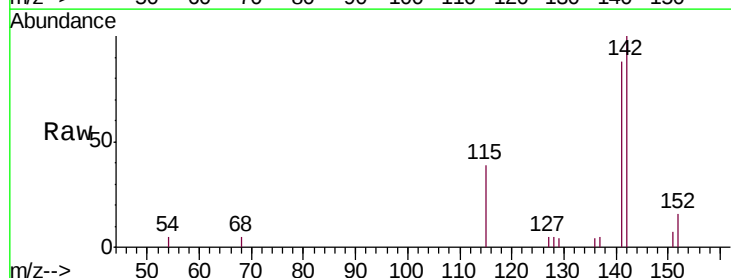
Acq: 06 May 2019 21:03

Tgt Ion:142 Resp: 4413

Ion Ratio Lower Upper

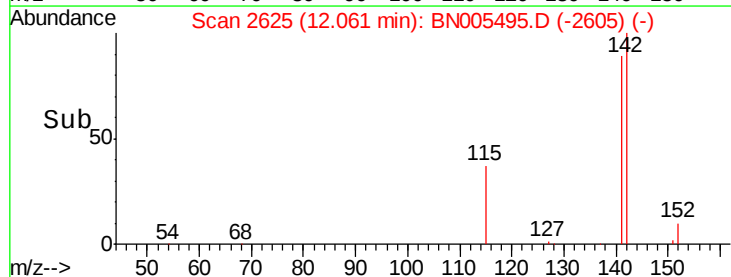
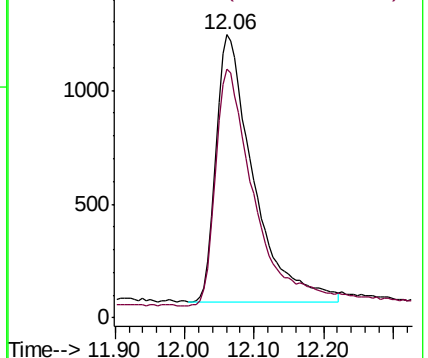
142 100

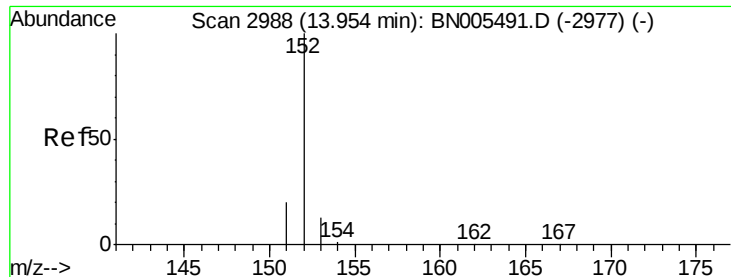
141 92.2 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.402 ng/ul

RT: 13.96 min Scan# 2990

Delta R.T. 0.01 min

Lab File: BN005495.D

Acq: 06 May 2019 21:03

Instrument :

BNA\_N

ClientSampled :

SICV64

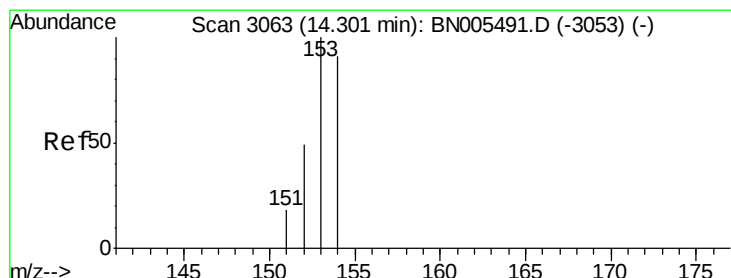
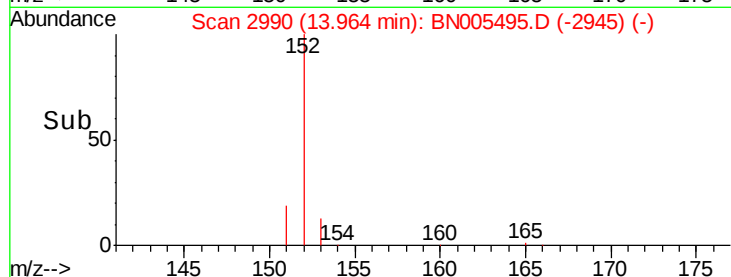
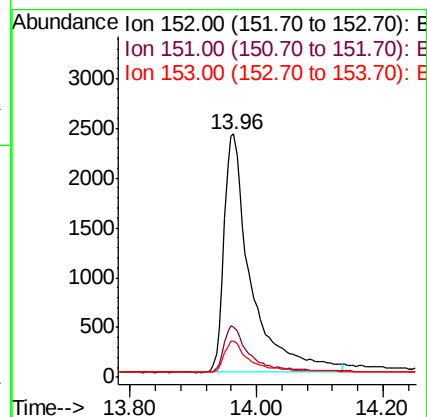
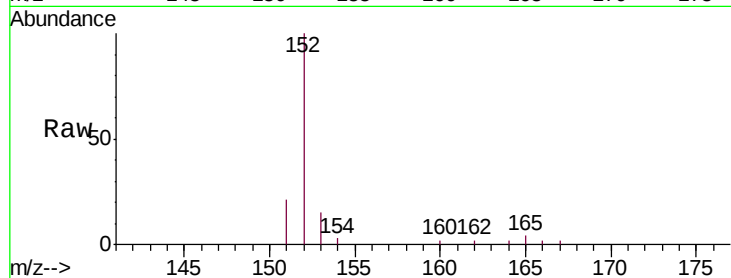
Tgt Ion:152 Resp: 7048

Ion Ratio Lower Upper

152 100

151 20.9 16.7 25.1

153 14.7 11.6 17.4



#8

Acenaphthene

Concen: 0.407 ng/ul

RT: 14.31 min Scan# 3064

Delta R.T. 0.00 min

Lab File: BN005495.D

Acq: 06 May 2019 21:03

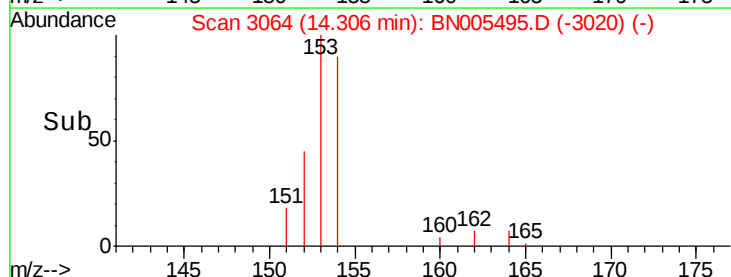
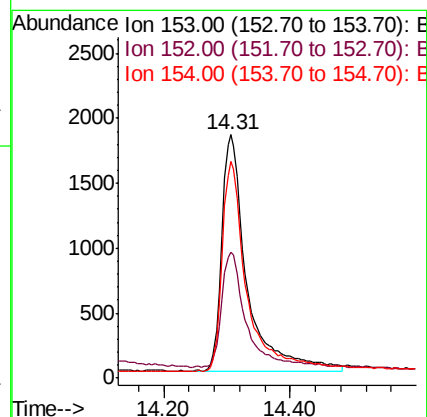
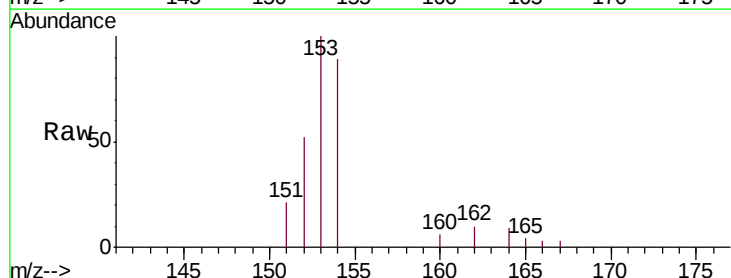
Tgt Ion:153 Resp: 5047

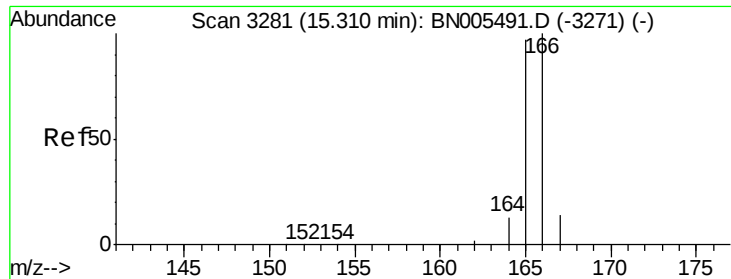
Ion Ratio Lower Upper

153 100

152 51.8 40.8 61.2

154 89.3 73.2 109.8





#9

Fluorene

Concen: 0.406 ng/ul

RT: 15.31 min Scan# 3282

Delta R.T. 0.00 min

Lab File: BN005495.D

Acq: 06 May 2019 21:03

Instrument :

BNA\_N

ClientSampleId :

SICV64

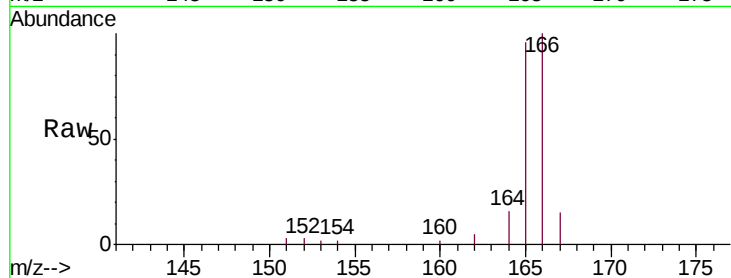
Tgt Ion:166 Resp: 5879

Ion Ratio Lower Upper

166 100

165 95.7 78.0 117.0

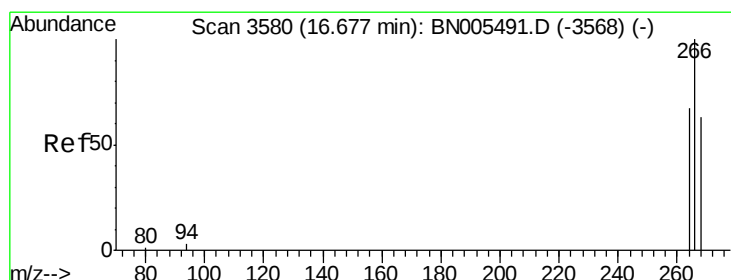
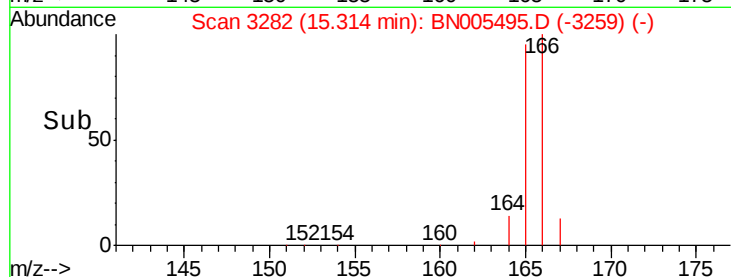
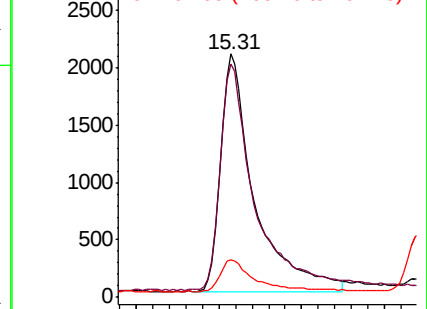
167 15.4 12.2 18.4



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



#11

Pentachlorophenol

Concen: 0.351 ng/ul

RT: 16.68 min Scan# 3580

Delta R.T. 0.00 min

Lab File: BN005495.D

Acq: 06 May 2019 21:03

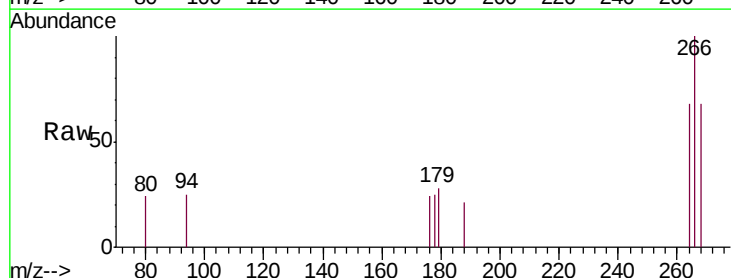
Tgt Ion:266 Resp: 808

Ion Ratio Lower Upper

266 100

264 60.4 55.3 82.9

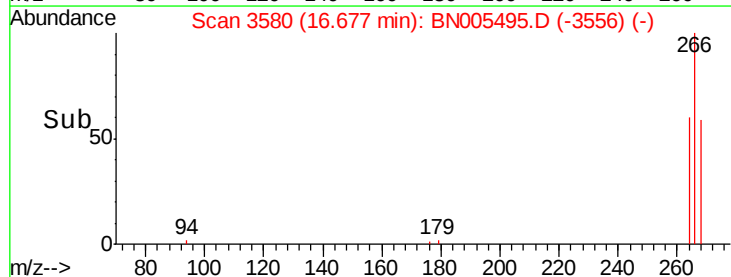
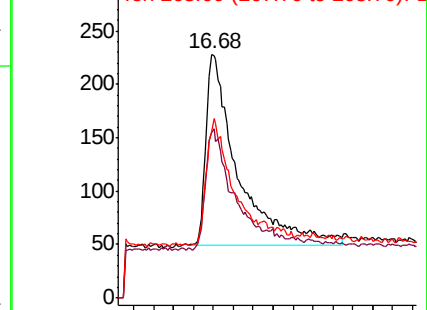
268 60.9 56.7 85.1

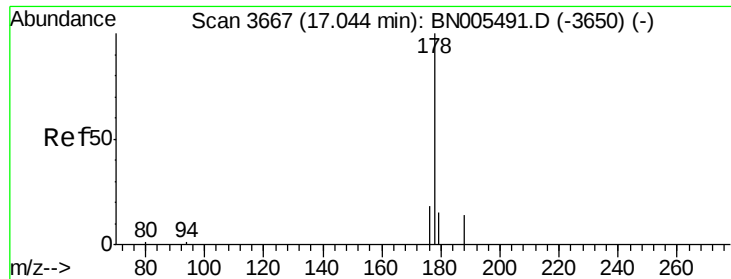


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.396 ng/ul

RT: 17.04 min Scan# 3667

Delta R.T. 0.00 min

Lab File: BN005495.D

Acq: 06 May 2019 21:03

Instrument :

BNA\_N

ClientSampleId :

SICV64

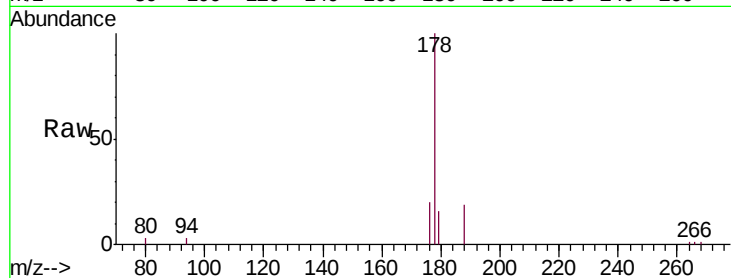
Tgt Ion:178 Resp: 9598

Ion Ratio Lower Upper

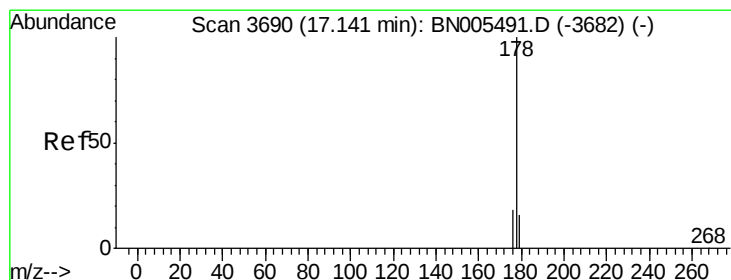
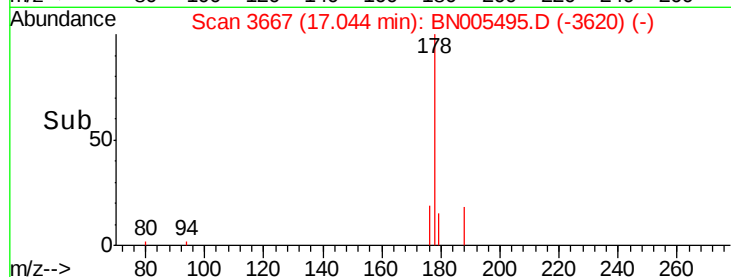
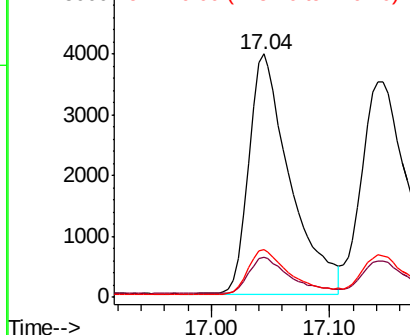
178 100

179 16.4 12.8 19.2

176 19.8 15.3 22.9



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



#13

Anthracene

Concen: 0.398 ng/ul

RT: 17.14 min Scan# 3690

Delta R.T. 0.00 min

Lab File: BN005495.D

Acq: 06 May 2019 21:03

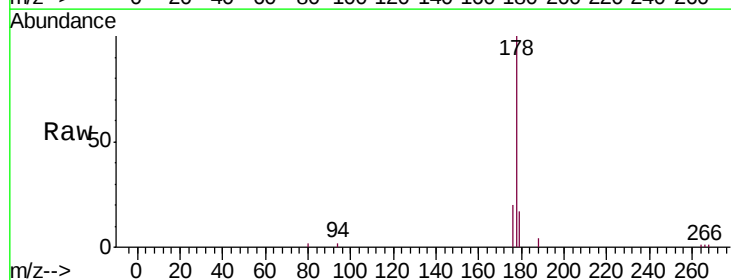
Tgt Ion:178 Resp: 9607

Ion Ratio Lower Upper

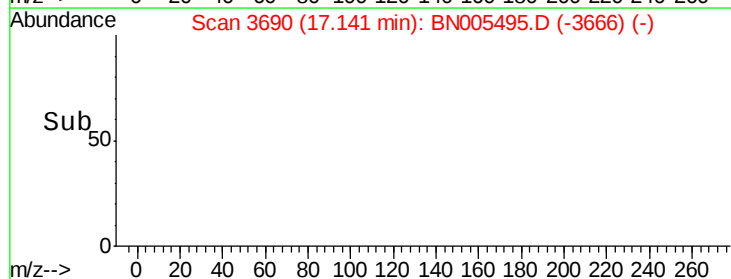
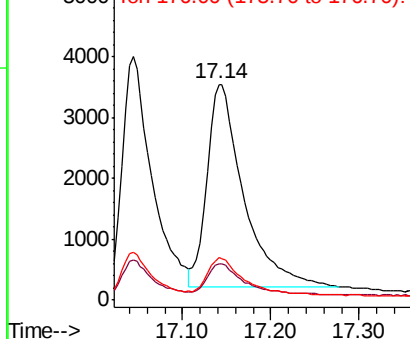
178 100

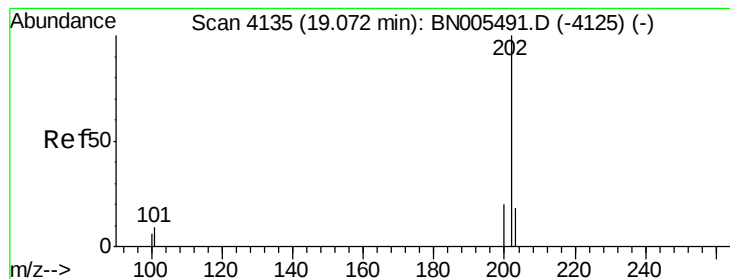
179 17.0 13.4 20.2

176 19.7 15.1 22.7



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: 0.401 ng/ul

RT: 19.07 min Scan# 4135

Delta R.T. 0.00 min

Lab File: BN005495.D

Acq: 06 May 2019 21:03

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SICV64

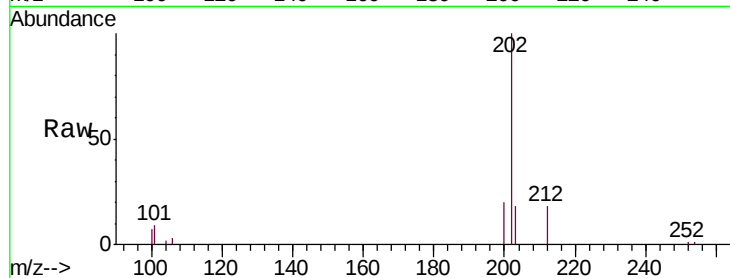
Tgt Ion:202 Resp: 13457

Ion Ratio Lower Upper

202 100

101 8.9 0.0 29.4

100 6.9 0.0 27.1

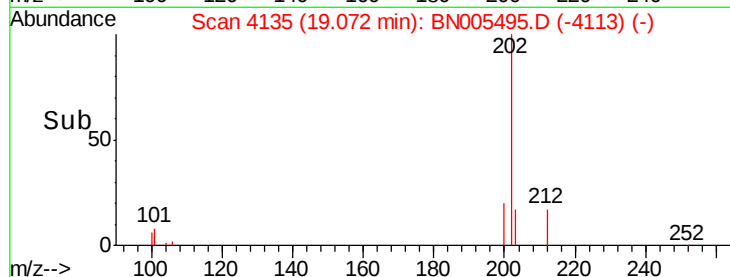


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

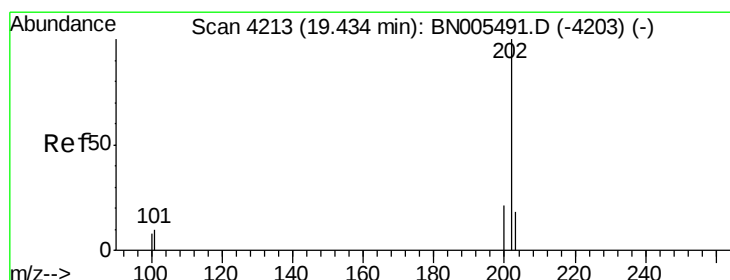
Ion 100.00 (99.70 to 100.70): B

Time-->



19.07

Time-->



#17

Pyrene

Concen: 0.392 ng/ul

RT: 19.43 min Scan# 4213

Delta R.T. 0.00 min

Lab File: BN005495.D

Acq: 06 May 2019 21:03

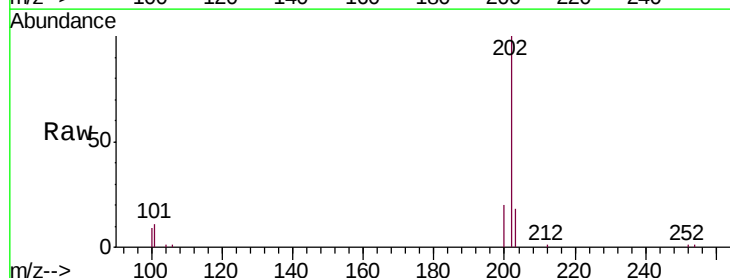
Tgt Ion:202 Resp: 14260

Ion Ratio Lower Upper

202 100

101 10.6 8.5 12.7

100 8.7 6.9 10.3

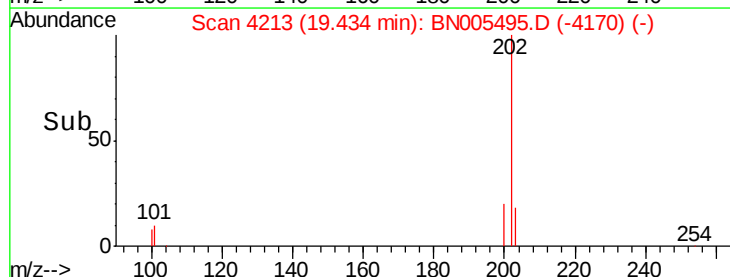


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

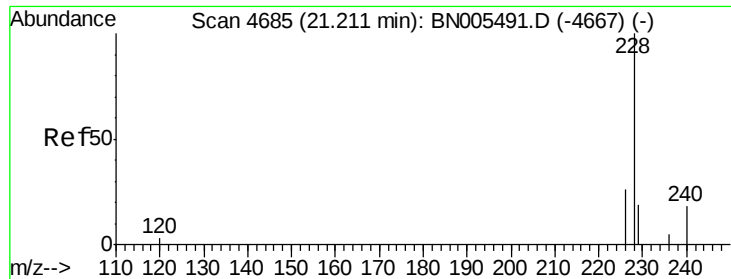
Ion 100.00 (99.70 to 100.70): B

Time-->



19.43

Time-->



#18

Benzo(a)anthracene

Concen: 0.389 ng/ul

RT: 21.21 min Scan# 4685

Delta R.T. -0.00 min

Lab File: BN005495.D

Acq: 06 May 2019 21:03

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BNA\_N

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SICV64

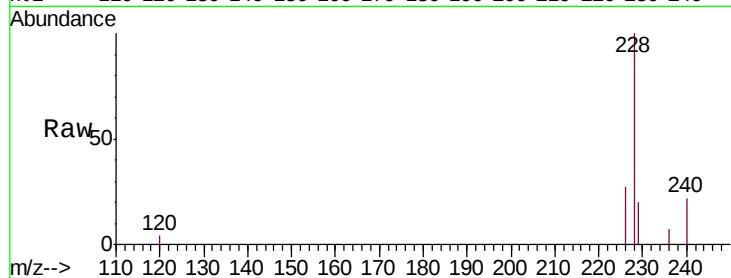
Tgt Ion:228 Resp: 13224

Ion Ratio Lower Upper

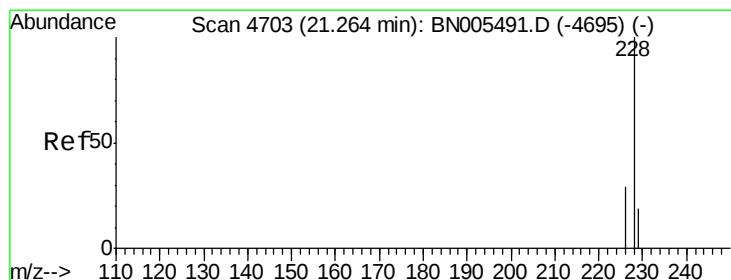
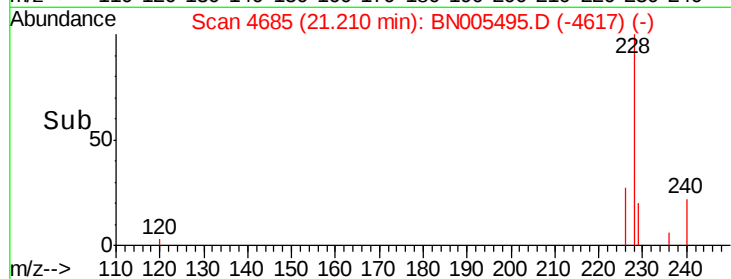
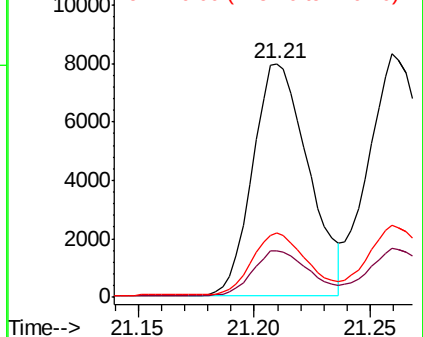
228 100

229 20.1 15.8 23.8

226 27.3 21.7 32.5



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: 0.400 ng/ul

RT: 21.26 min Scan# 4702

Delta R.T. -0.00 min

Lab File: BN005495.D

Acq: 06 May 2019 21:03

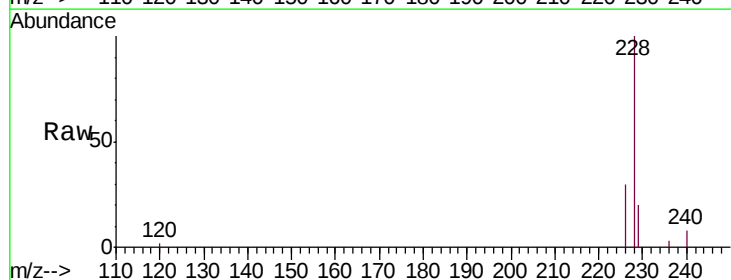
Tgt Ion:228 Resp: 16705

Ion Ratio Lower Upper

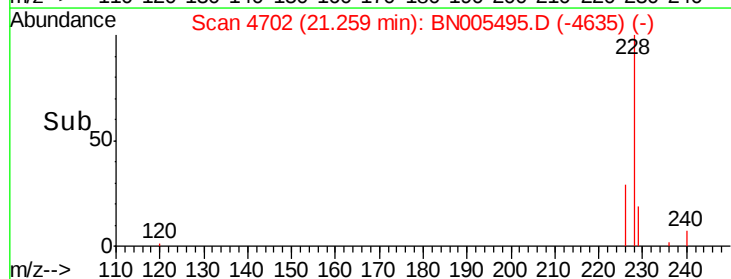
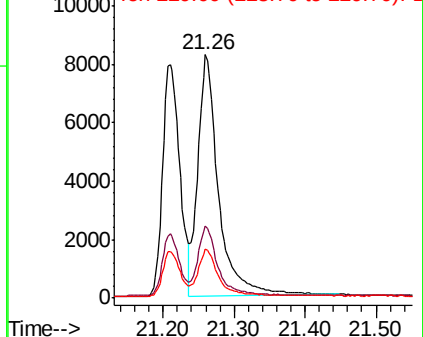
228 100

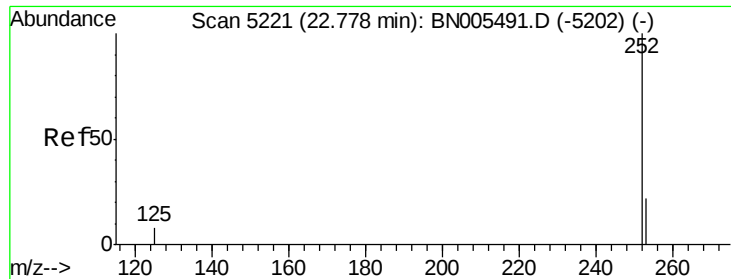
226 29.8 23.2 34.8

229 20.1 16.0 24.0



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: 0.399 ng/u1

RT: 22.77 min Scan# 5220

Delta R.T. -0.00 min

Lab File: BN005495.D

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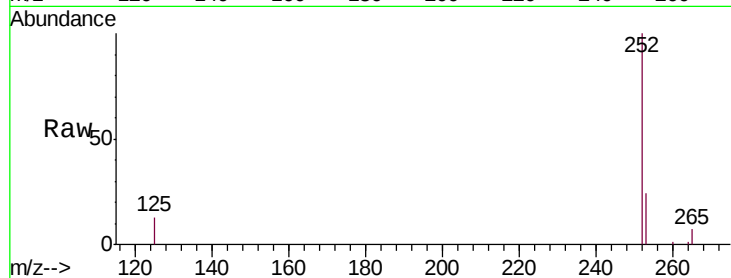
Tgt Ion:252 Resp: 13906

Ion Ratio Lower Upper

252 100

253 23.7 0.0 47.6

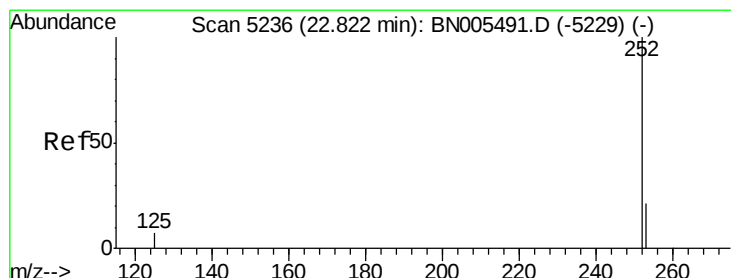
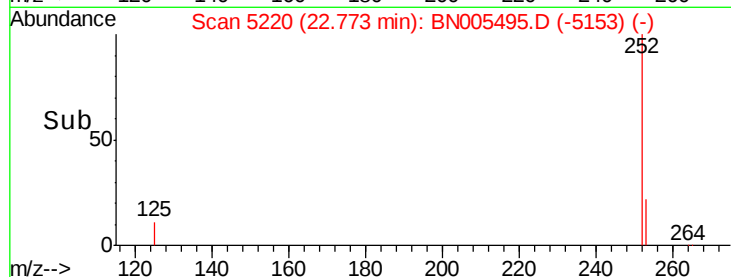
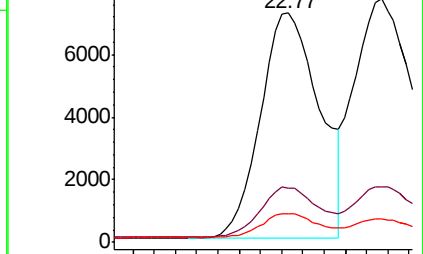
125 12.7 0.0 20.8



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: 0.403 ng/u1

RT: 22.82 min Scan# 5235

Delta R.T. -0.00 min

Lab File: BN005495.D

Acq: 06 May 2019 21:03

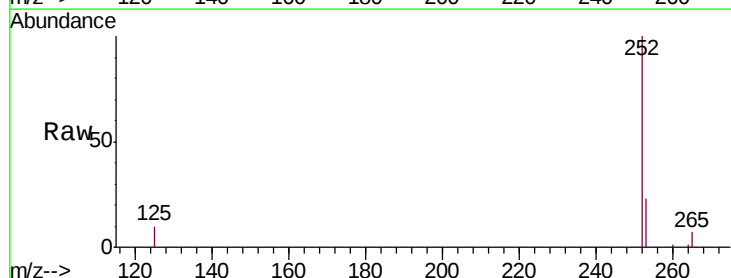
Tgt Ion:252 Resp: 17628

Ion Ratio Lower Upper

252 100

253 23.0 18.8 28.2

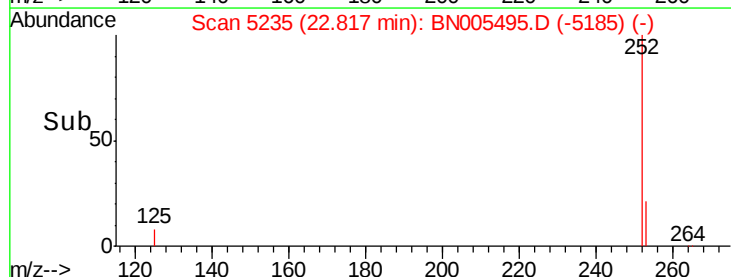
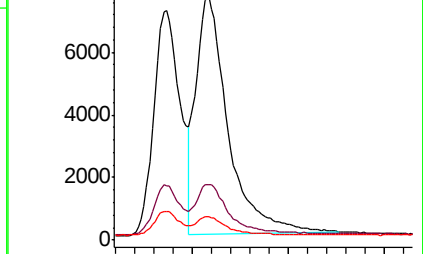
125 9.6 7.6 11.4

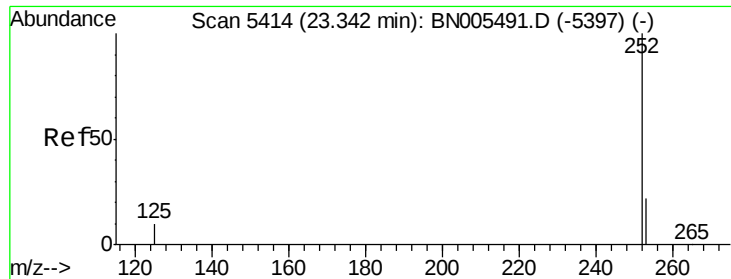


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.399 ng/u1

RT: 23.33 min Scan# 5412

Delta R.T. -0.01 min

Lab File: BN005495.D

Acq: 06 May 2019 21:03

Instrument :

BNA\_N

ClientSampleId :

SICV64

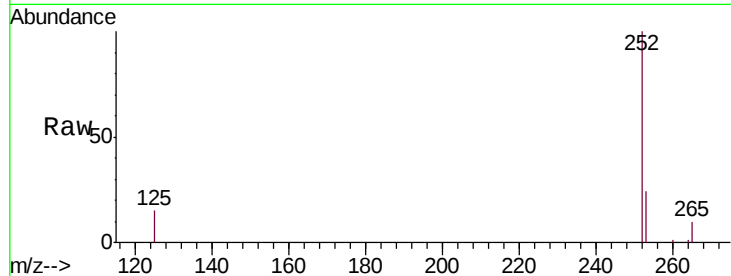
Tgt Ion:252 Resp: 15566

Ion Ratio Lower Upper

252 100

253 24.3 19.6 29.4

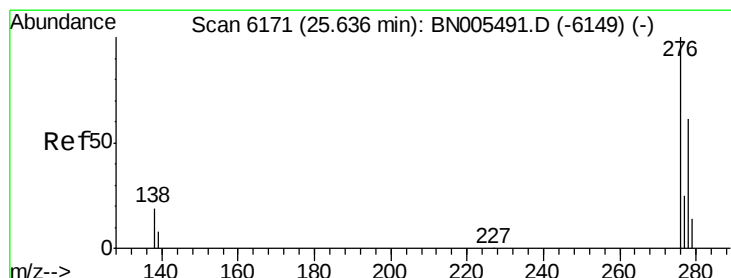
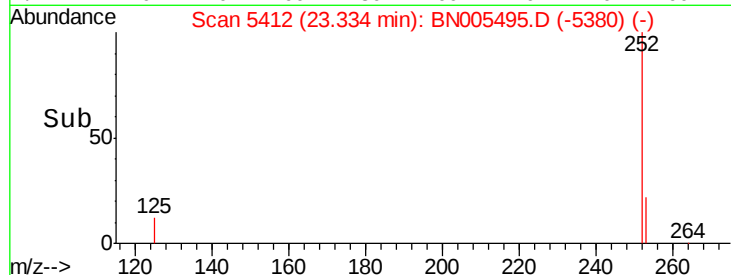
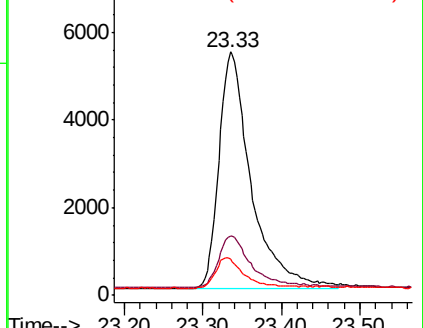
125 15.0 10.1 15.1



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: 0.398 ng/u1

RT: 25.63 min Scan# 6170

Delta R.T. -0.01 min

Lab File: BN005495.D

Acq: 06 May 2019 21:03

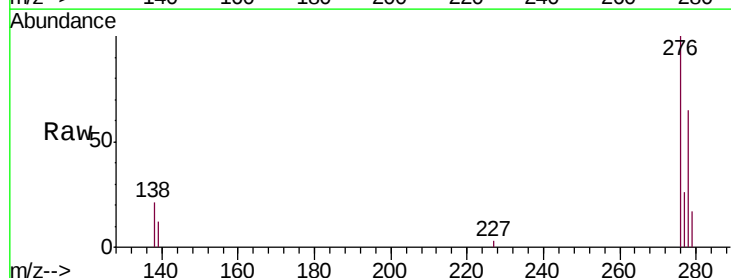
Tgt Ion:276 Resp: 17363

Ion Ratio Lower Upper

276 100

138 0.0 15.8 23.8#

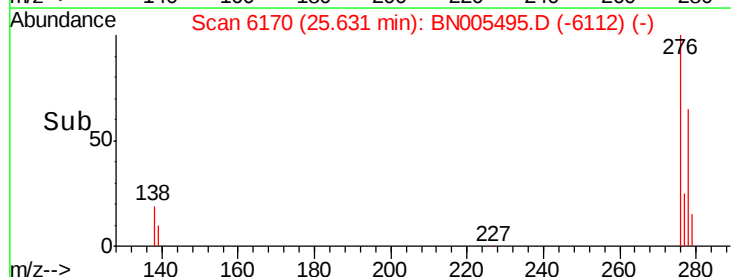
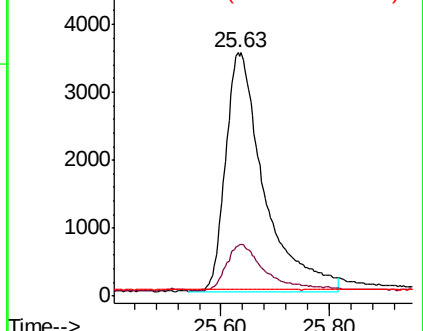
227 0.0 0.1 0.1#

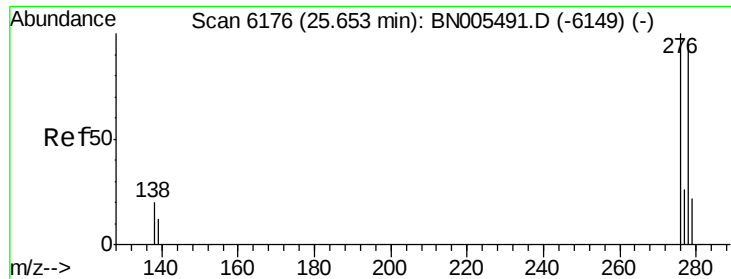


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.398 ng/ul

RT: 25.65 min Scan# 6175

Delta R.T. -0.01 min

Lab File: BN005495.D

Acq: 06 May 2019 21:03

Instrument :

BNA\_N

ClientSampleId :

SICV64

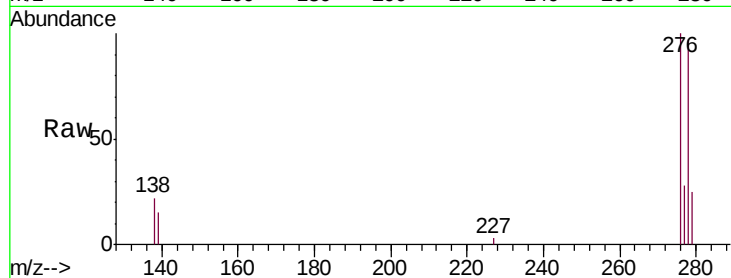
Tgt Ion:278 Resp: 14349

Ion Ratio Lower Upper

278 100

139 15.9 12.4 18.6

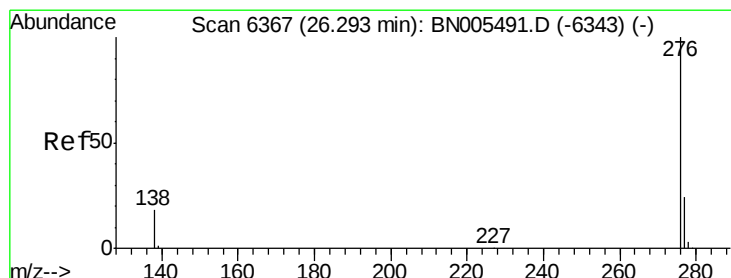
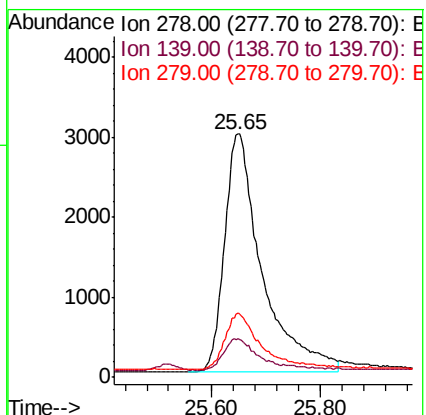
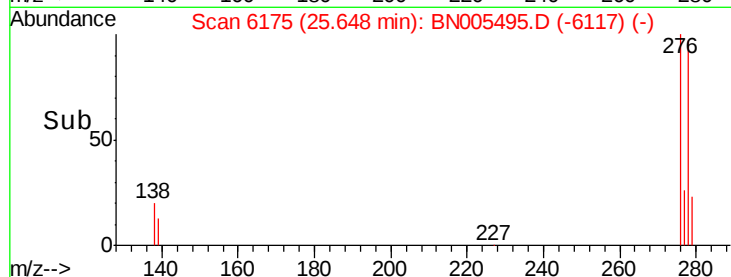
279 26.3 21.0 31.4



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: 0.393 ng/ul

RT: 26.29 min Scan# 6366

Delta R.T. -0.01 min

Lab File: BN005495.D

Acq: 06 May 2019 21:03

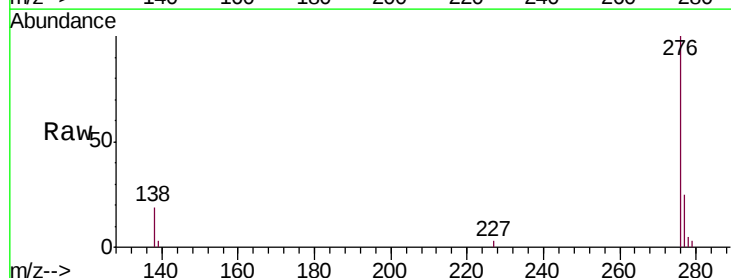
Tgt Ion:276 Resp: 14633

Ion Ratio Lower Upper

276 100

138 18.8 15.6 23.4

277 25.3 20.6 31.0



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

