

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\  
 Data File : BN008928.D  
 Acq On : 11 Dec 2019 21:45  
 Operator : JU  
 Sample : K6088-13  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Dec 12 00:22:54 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 11 10:35:08 2019  
 Response via : Initial Calibration

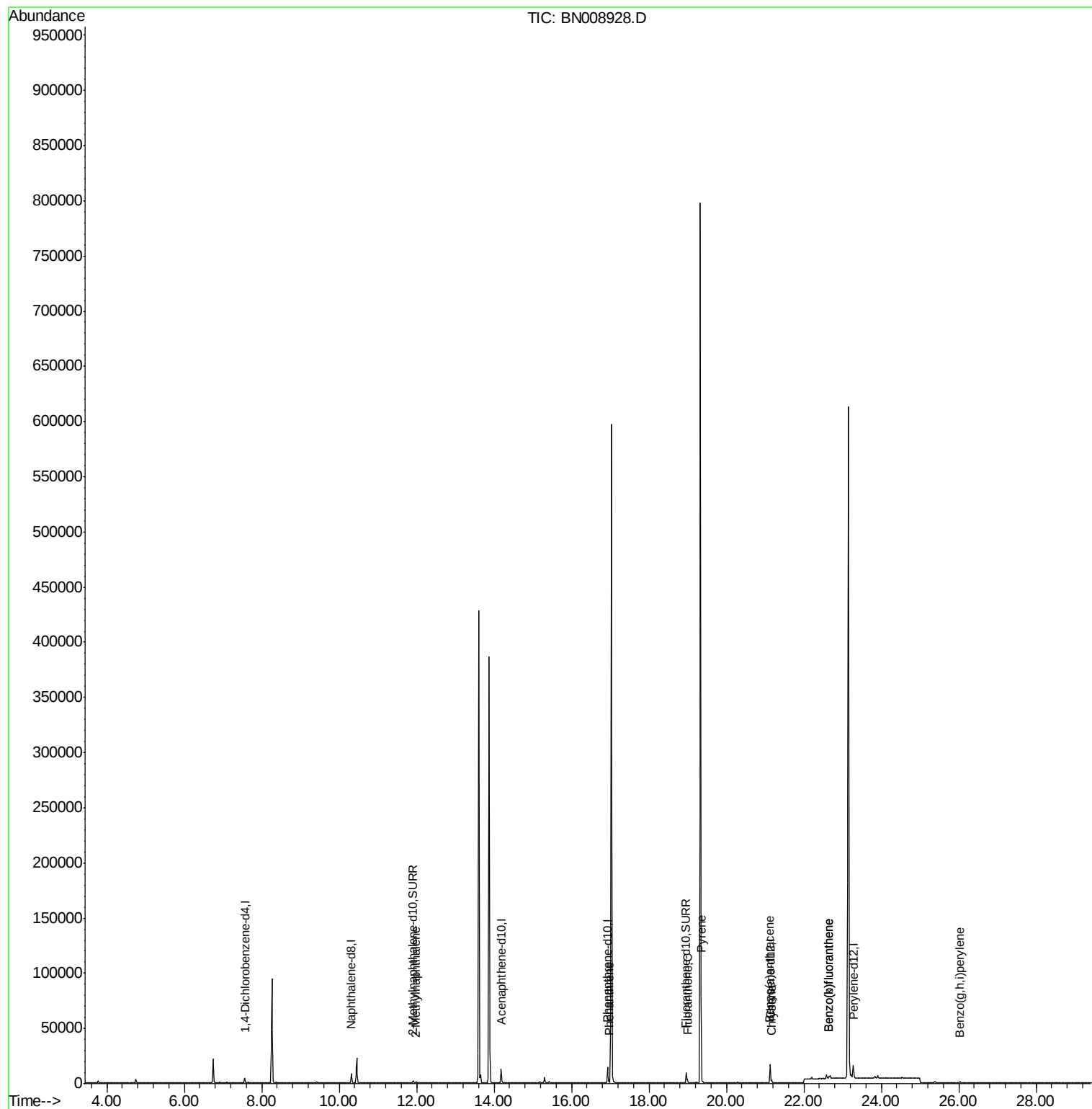
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.56  | 152  | 2407     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.31 | 136  | 10425    | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.19 | 164  | 6751     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 16.93 | 188  | 15718    | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.13 | 240  | 13921    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.28 | 264  | 15252    | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.91 | 152  | 3001     | 0.18   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 18.96 | 212  | 9395     | 0.20   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 5) 2-Methylnaphthalene      | 11.98 | 142  | 511      | 0.023  | ng/ul  | 98       |
| 12) Phenanthrene            | 16.97 | 178  | 2464     | 0.046  | ng/ul  | 95       |
| 15) Fluoranthene            | 19.00 | 202  | 2528     | 0.039  | ng/ul  | 94       |
| 17) Pyrene                  | 19.36 | 202  | 2358     | 0.042  | ng/ul# | 90       |
| 18) Benzo(a)anthracene      | 21.12 | 228  | 1252     | 0.022  | ng/ul# | 84       |
| 19) Chrysene                | 21.17 | 228  | 2560     | 0.047  | ng/ul# | 90       |
| 21) Benzo(b)fluoranthene    | 22.65 | 252  | 3777     | 0.060  | ng/ul# | 39       |
| 22) Benzo(k)fluoranthene    | 22.65 | 252  | 3777     | 0.061  | ng/ul# | 41       |
| 26) Benzo(g,h,i)perylene    | 26.03 | 276  | 1306     | 0.023  | ng/ul# | 66       |

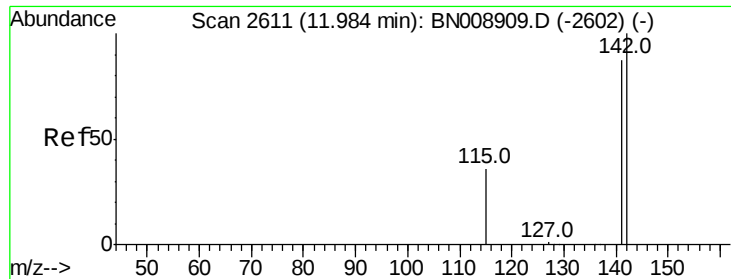
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

2-Methylnaphthalene

Concen: 0.023 ng/ul

RT: 11.98 min Scan# 2611

Delta R.T. -0.00 min

Lab File: BN008928.D

Acq: 11 Dec 2019 21:45

Instrument :

BNA\_N

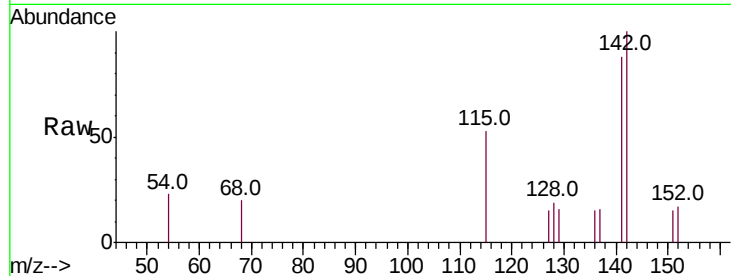
ClientSampleId :

Tot Ion:142 Resp: 511

Ion Ratio Lower Upper

142 100

141 89.2 70.1 105.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.98

400

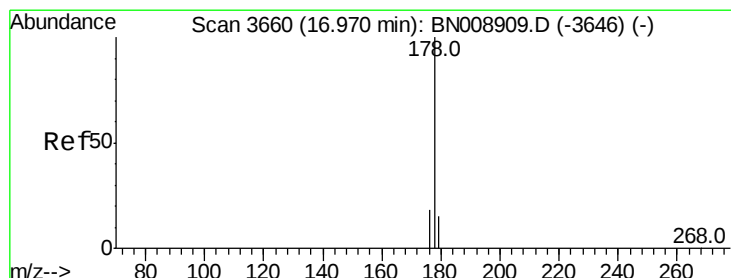
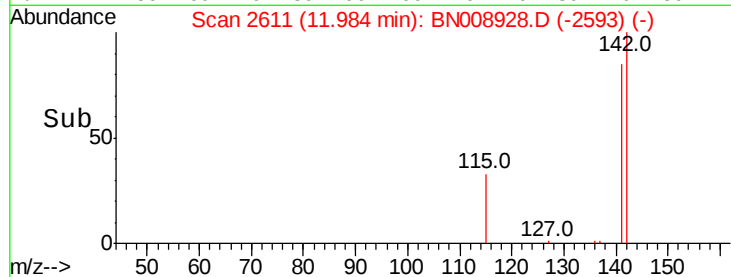
300

200

100

0

Time--> 11.90 11.95 12.00 12.05



#12

Phenanthrene

Concen: 0.046 ng/ul

RT: 16.97 min Scan# 3660

Delta R.T. 0.00 min

Lab File: BN008928.D

Acq: 11 Dec 2019 21:45

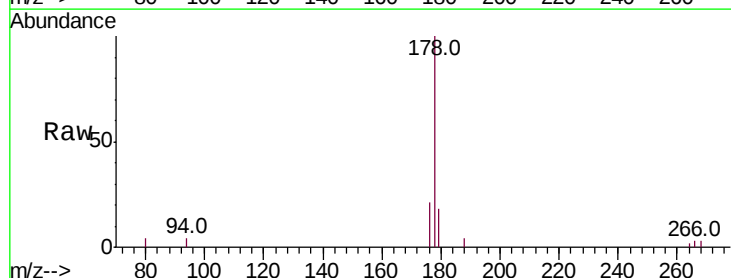
Tgt Ion:178 Resp: 2464

Ion Ratio Lower Upper

178 100

179 18.3 12.6 18.8

176 21.0 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

2500

2000

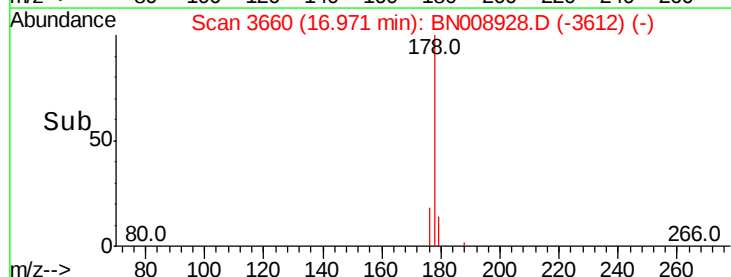
1500

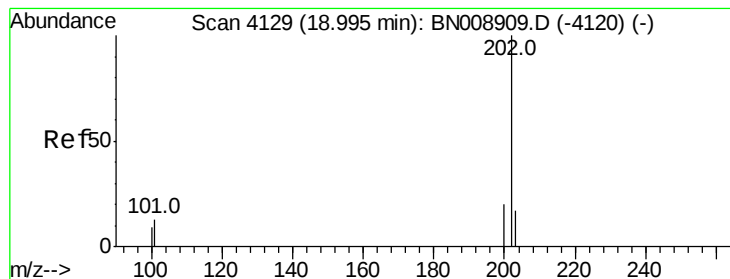
1000

500

0

Time--> 16.90 16.95 17.00





#15

Fluoranthene

Concen: 0.039 ng/ul

RT: 19.00 min Scan# 4129

Delta R.T. 0.00 min

Lab File: BN008928.D

Acq: 11 Dec 2019 21:45

Instrument :

BNA\_N

ClientSampleId :

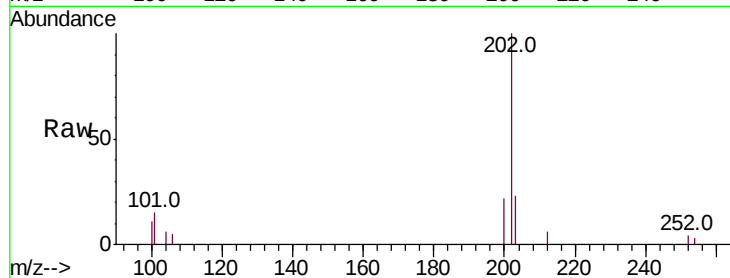
Tot Ion:202 Resp: 2528

Ion Ratio Lower Upper

202 100

101 15.1 0.0 32.4

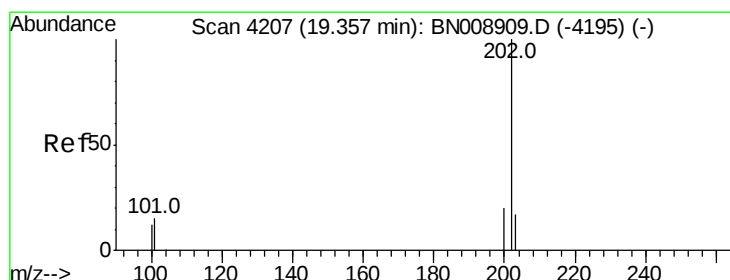
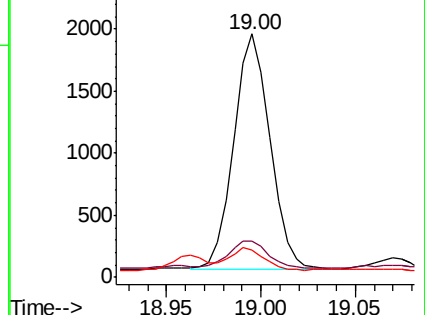
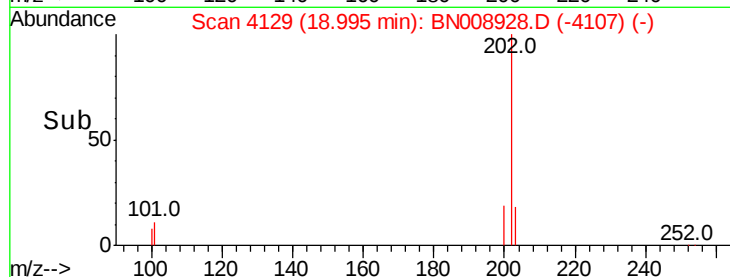
100 11.0 0.0 29.2



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: 0.042 ng/ul

RT: 19.36 min Scan# 4207

Delta R.T. 0.00 min

Lab File: BN008928.D

Acq: 11 Dec 2019 21:45

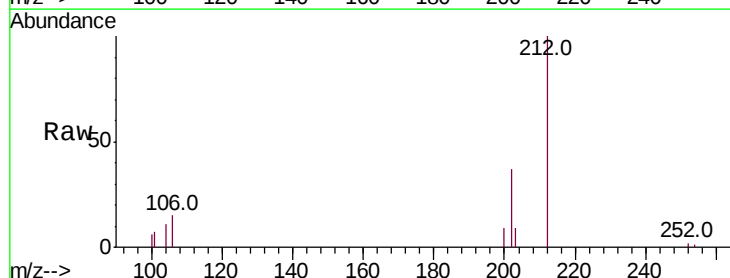
Tgt Ion:202 Resp: 2358

Ion Ratio Lower Upper

202 100

101 18.7 12.2 18.4#

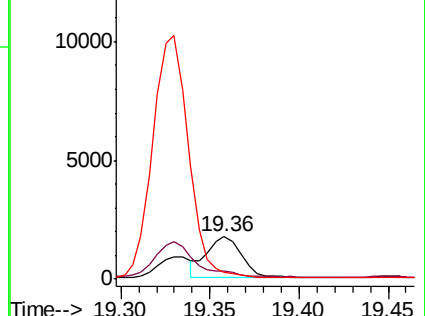
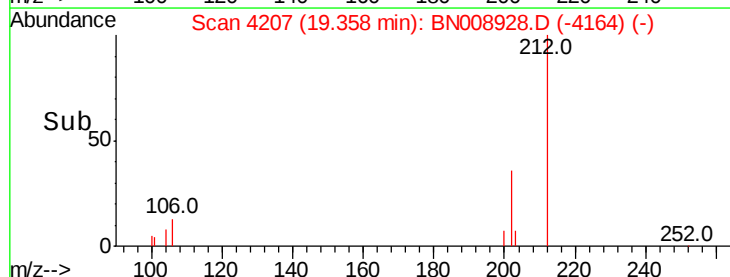
100 16.7 9.5 14.3#

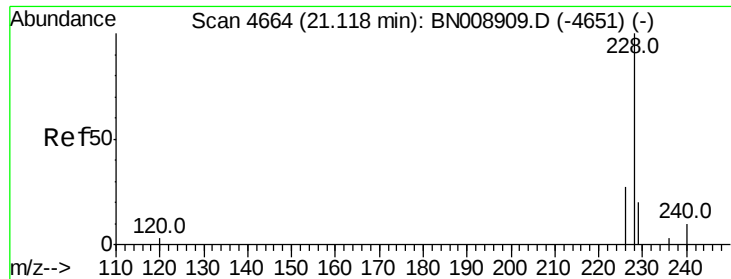


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.022 ng/ul

RT: 21.12 min Scan# 4664

Delta R.T. 0.00 min

Lab File: BN008928.D

Acq: 11 Dec 2019 21:45

Instrument :

BNA\_N

ClientSampleId :

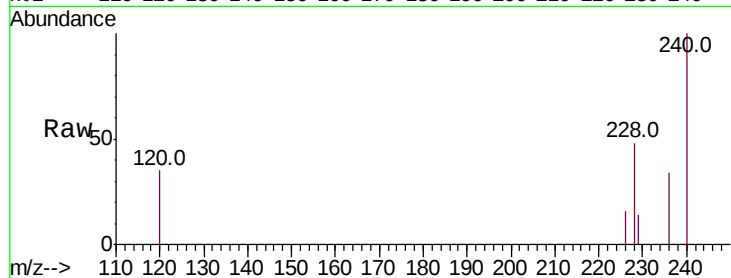
Tot Ion:228 Resp: 1252

Ion Ratio Lower Upper

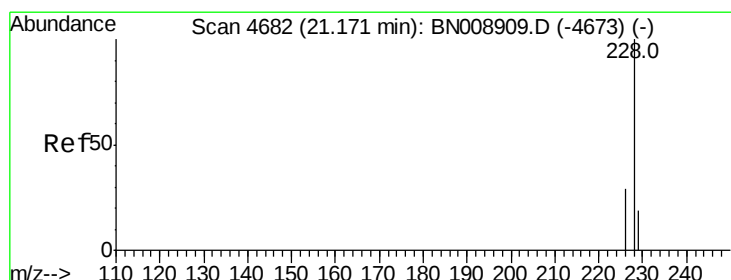
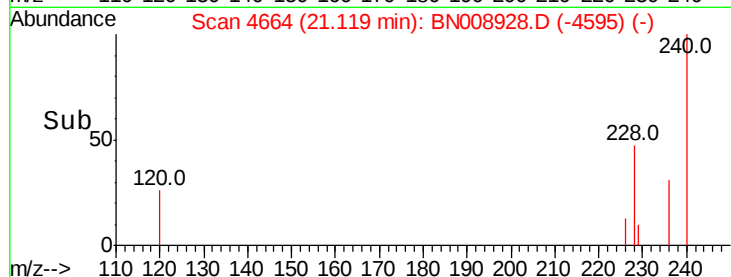
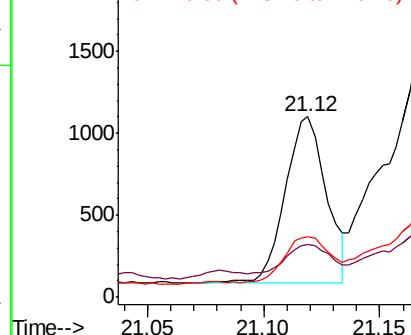
228 100

229 28.9 15.7 23.5#

226 33.8 21.5 32.3#



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: 0.047 ng/ul

RT: 21.17 min Scan# 4681

Delta R.T. -0.00 min

Lab File: BN008928.D

Acq: 11 Dec 2019 21:45

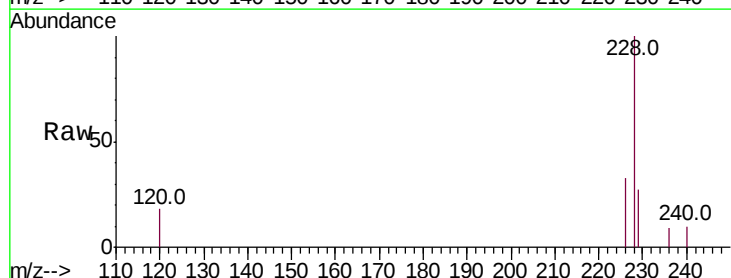
Tgt Ion:228 Resp: 2560

Ion Ratio Lower Upper

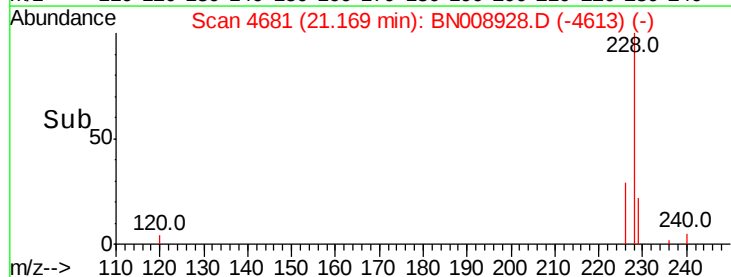
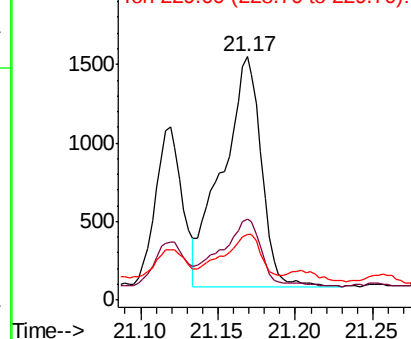
228 100

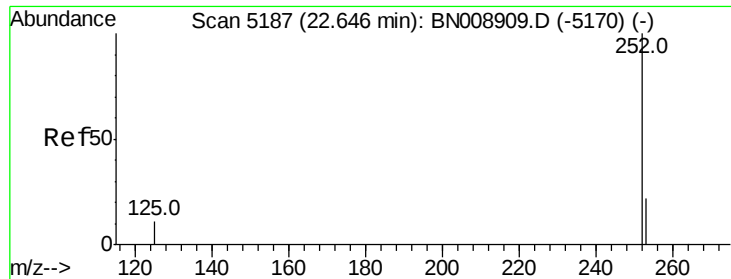
226 33.1 23.8 35.6

229 26.8 15.6 23.4#



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: 0.060 ng/ul

RT: 22.65 min Scan# 5187

Delta R.T. 0.00 min

Lab File: BN008928.D

Acq: 11 Dec 2019 21:45

Instrument :

BNA\_N

ClientSampleId :

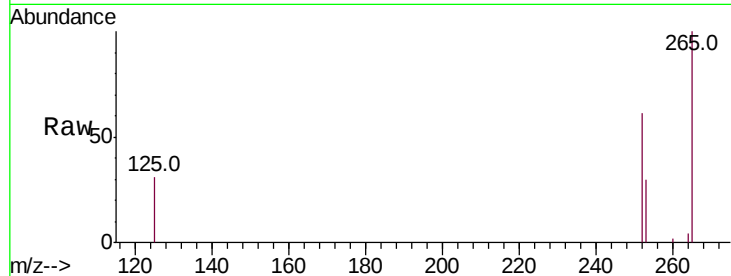
Tot Ion:252 Resp: 3777

Ion Ratio Lower Upper

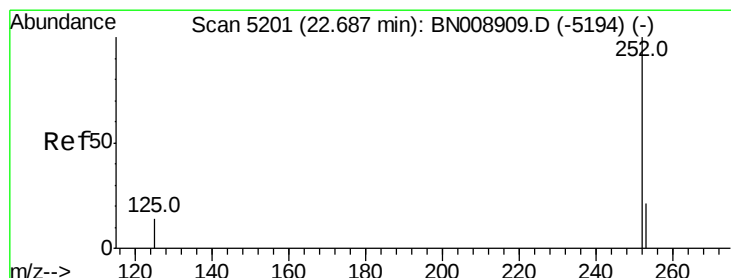
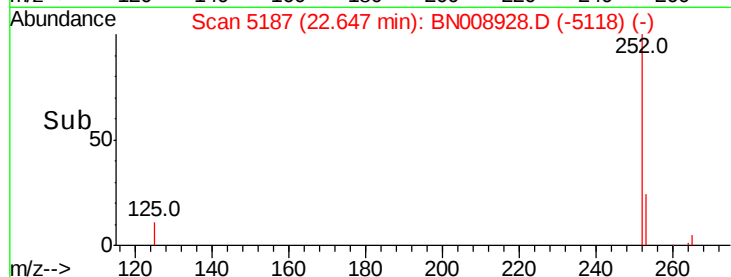
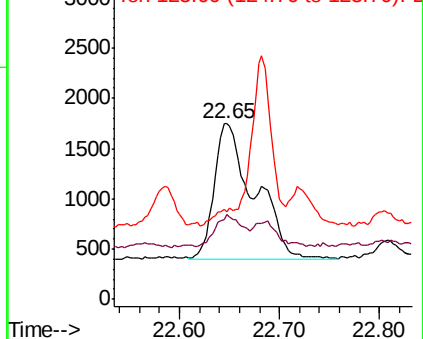
252 100

253 48.1 0.0 48.6

125 49.9 0.0 31.6#



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



#22

Benzo(k)fluoranthene

Concen: 0.061 ng/ul

RT: 22.65 min Scan# 5187

Delta R.T. -0.04 min

Lab File: BN008928.D

Acq: 11 Dec 2019 21:45

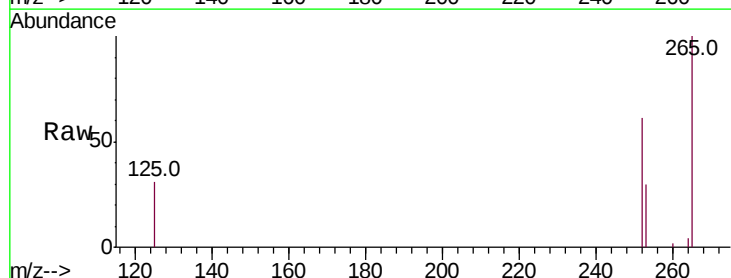
Tgt Ion:252 Resp: 3777

Ion Ratio Lower Upper

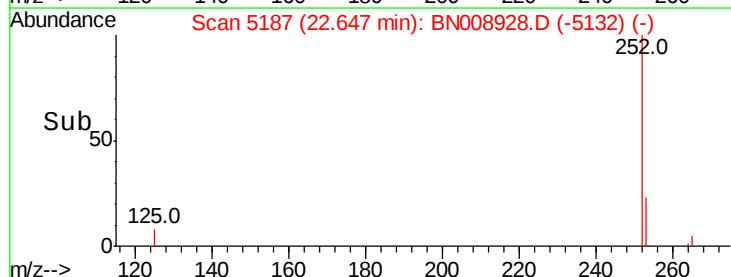
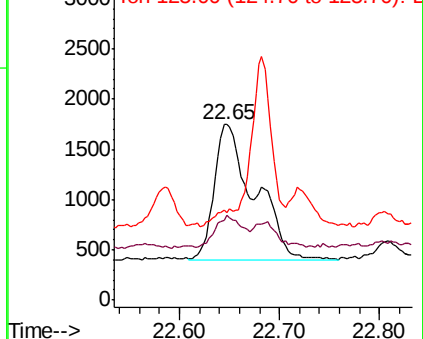
252 100

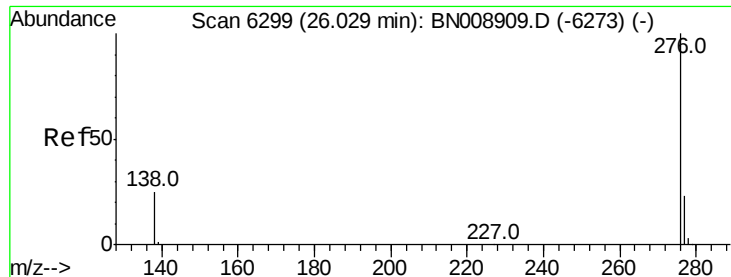
253 48.1 19.6 29.4#

125 49.9 13.8 20.6#



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





#26

Benzo(a,h,i)perylene

Concen: 0.023 ng/ul

RT: 26.03 min Scan# 6298

Delta R.T. -0.00 min

Lab File: BN008928.D

Acq: 11 Dec 2019 21:45

Instrument :

BNA\_N

ClientSampleId :

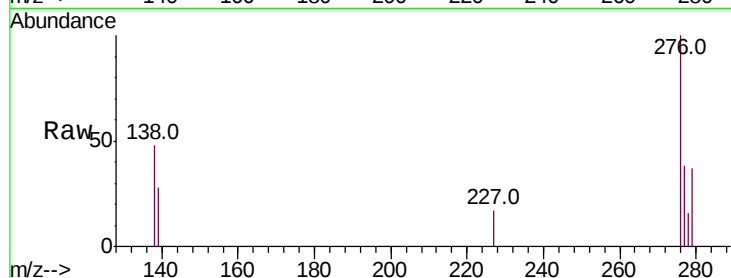
Tot Ion:276 Resp: 1306

Ion Ratio Lower Upper

276 100

138 48.3 21.9 32.9#

277 38.1 19.9 29.9#



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

