

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\  
 Data File : BN008921.D  
 Acq On : 11 Dec 2019 17:35  
 Operator : JU  
 Sample : K6088-06  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Dec 12 00:22:16 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

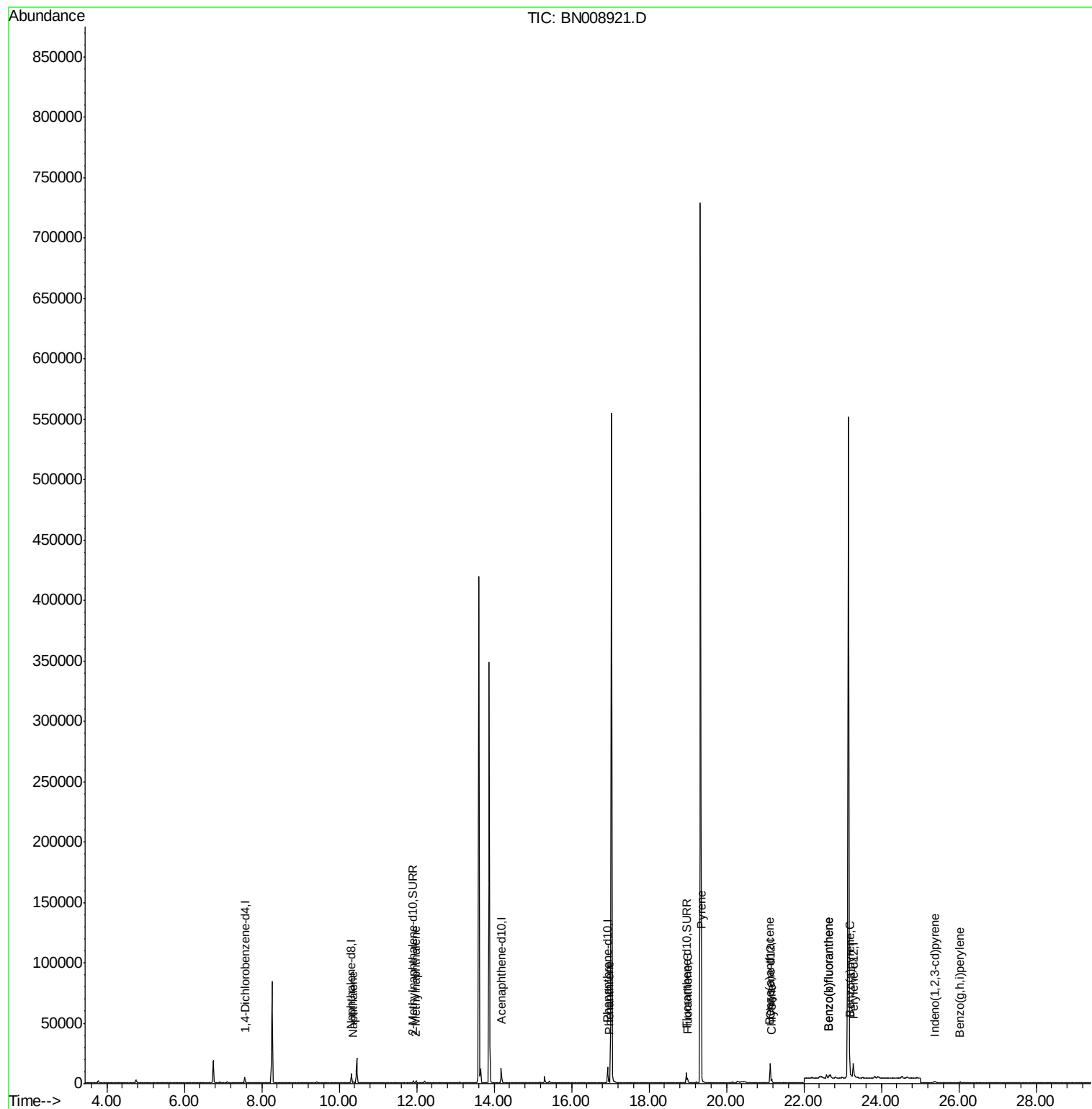
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.56  | 152  | 2195     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.31 | 136  | 9537     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.19 | 164  | 6208     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 16.93 | 188  | 14369    | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.13 | 240  | 12861    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.28 | 264  | 14290    | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.91 | 152  | 2552     | 0.16   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 18.96 | 212  | 8396     | 0.19   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 3) Naphthalene              | 10.36 | 128  | 1053     | 0.037  | ng/ul# | 82       |
| 5) 2-Methylnaphthalene      | 11.98 | 142  | 1174     | 0.058  | ng/ul  | 97       |
| 12) Phenanthrene            | 16.97 | 178  | 3266     | 0.067  | ng/ul  | 96       |
| 15) Fluoranthene            | 19.00 | 202  | 3030     | 0.051  | ng/ul  | 94       |
| 17) Pyrene                  | 19.36 | 202  | 4098     | 0.079  | ng/ul# | 90       |
| 18) Benzo(a)anthracene      | 21.12 | 228  | 2163     | 0.042  | ng/ul# | 89       |
| 19) Chrysene                | 21.17 | 228  | 3014     | 0.059  | ng/ul# | 91       |
| 21) Benzo(b)fluoranthene    | 22.65 | 252  | 5063     | 0.086  | ng/ul# | 53       |
| 22) Benzo(k)fluoranthene    | 22.65 | 252  | 5063     | 0.087  | ng/ul# | 55       |
| 23) Benzo(a)pyrene          | 23.19 | 252  | 1976     | 0.036  | ng/ul# | 32       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.39 | 276  | 1378     | 0.021  | ng/ul# | 77       |
| 26) Benzo(g,h,i)perylene    | 26.03 | 276  | 1199     | 0.022  | ng/ul# | 66       |

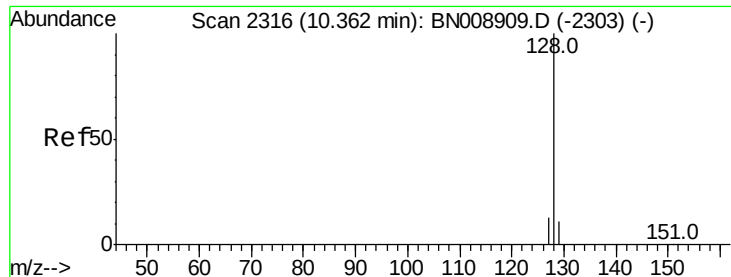
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.037 ng/ul

RT: 10.36 min Scan# 2316

Delta R.T. -0.00 min

Lab File: BN008921.D

Acq: 11 Dec 2019 17:35

Instrument :

BNA\_N

ClientSampleId :

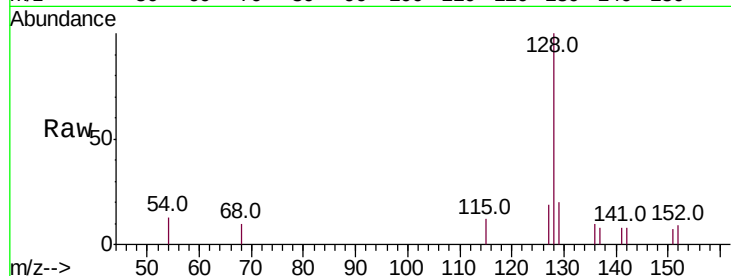
Tot Ion:128 Resp: 1053

Ion Ratio Lower Upper

128 100

129 19.8 9.1 13.7#

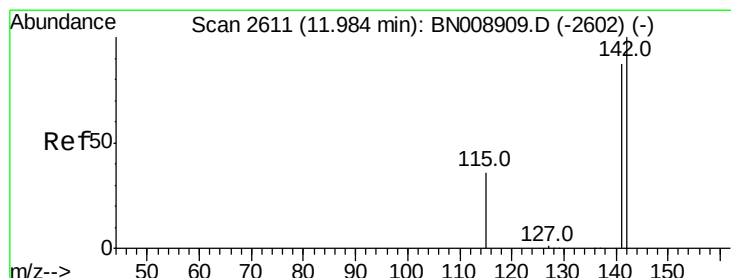
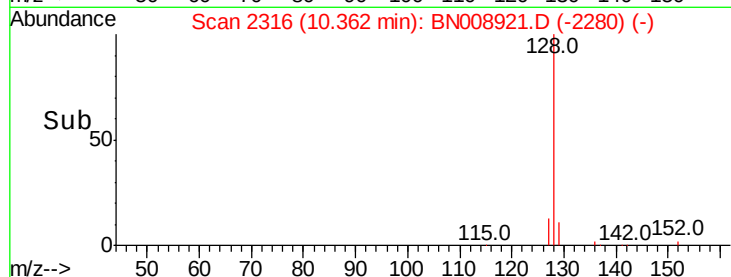
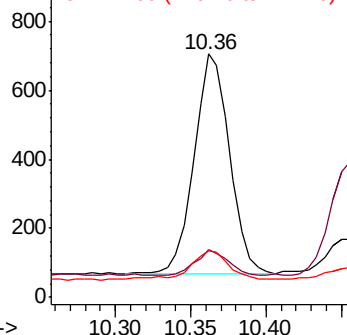
127 19.1 10.7 16.1#



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: 0.058 ng/ul

RT: 11.98 min Scan# 2611

Delta R.T. -0.00 min

Lab File: BN008921.D

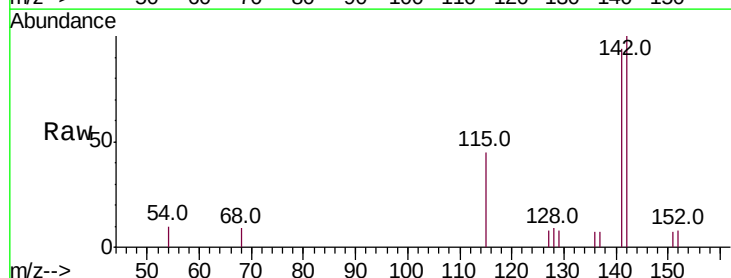
Acq: 11 Dec 2019 17:35

Tgt Ion:142 Resp: 1174

Ion Ratio Lower Upper

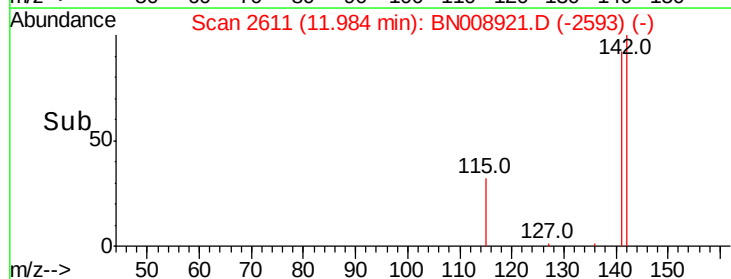
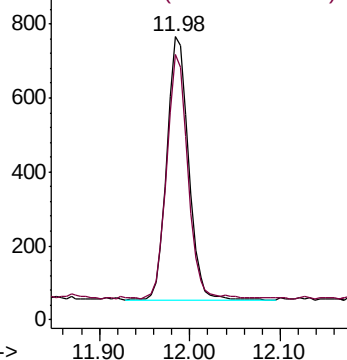
142 100

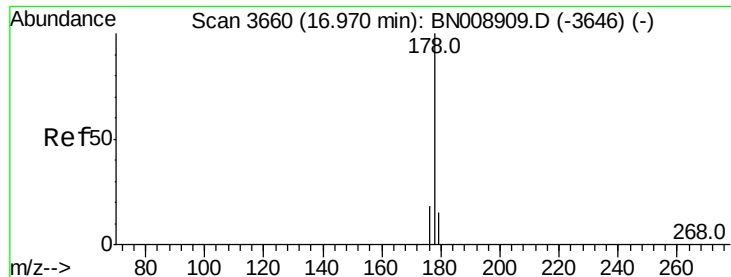
141 89.9 70.1 105.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#12

Phenanthrene

Concen: 0.067 ng/ul

RT: 16.97 min Scan# 3660

Delta R.T. 0.00 min

Lab File: BN008921.D

Acq: 11 Dec 2019 17:35

Instrument :

BNA\_N

ClientSampleId :

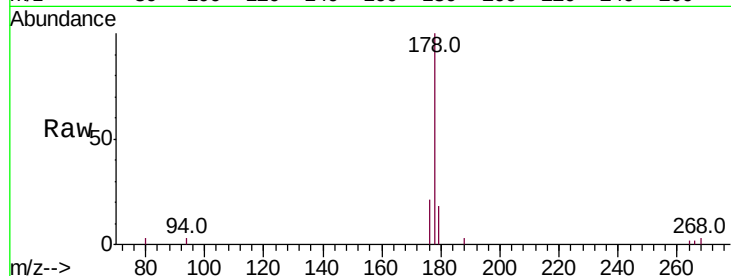
Tot Ion:178 Resp: 3266

Ion Ratio Lower Upper

178 100

179 18.0 12.6 18.8

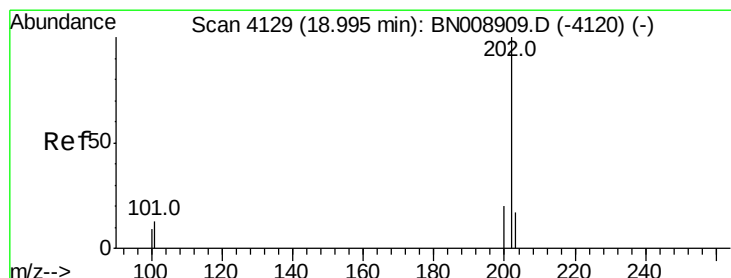
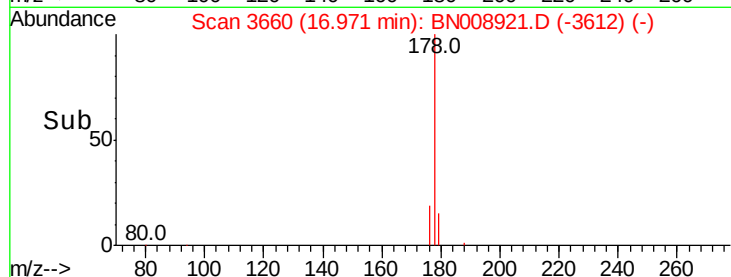
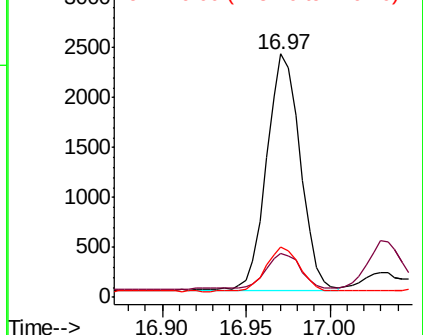
176 20.6 15.3 22.9



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



#15

Fluoranthene

Concen: 0.051 ng/ul

RT: 19.00 min Scan# 4129

Delta R.T. 0.00 min

Lab File: BN008921.D

Acq: 11 Dec 2019 17:35

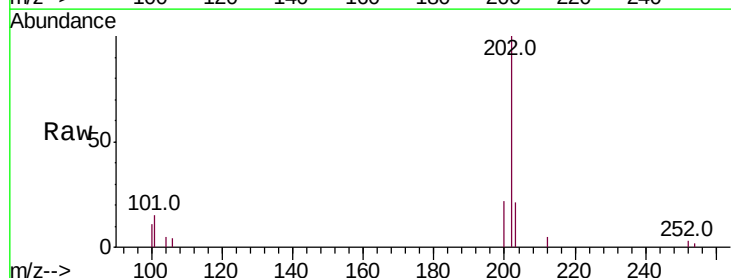
Tgt Ion:202 Resp: 3030

Ion Ratio Lower Upper

202 100

101 15.0 0.0 32.4

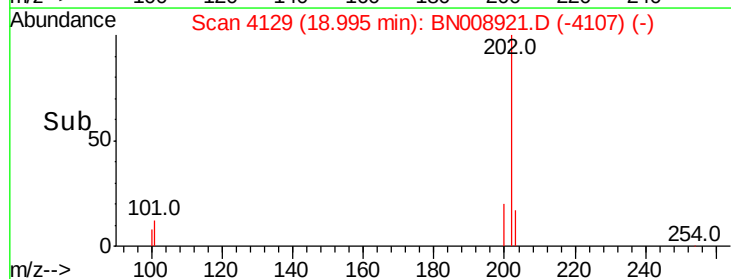
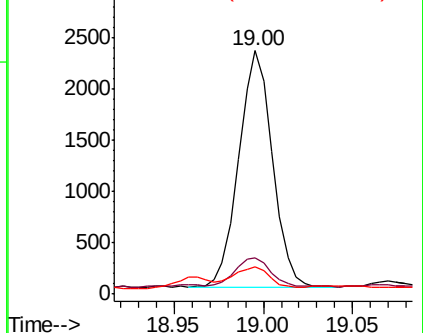
100 11.1 0.0 29.2

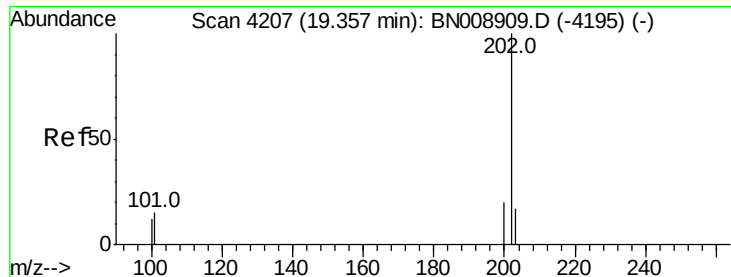


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#17

Pvrene

Concen: 0.079 ng/ul

RT: 19.36 min Scan# 4207

Delta R.T. 0.00 min

Lab File: BN008921.D

Acq: 11 Dec 2019 17:35

Instrument :

BNA\_N

ClientSampleId :

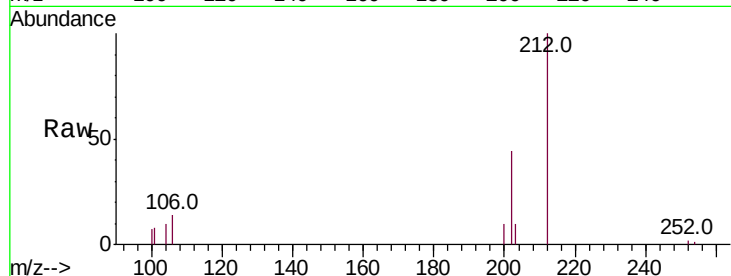
Tot Ion:202 Resp: 4098

Ion Ratio Lower Upper

202 100

101 18.7 12.2 18.4#

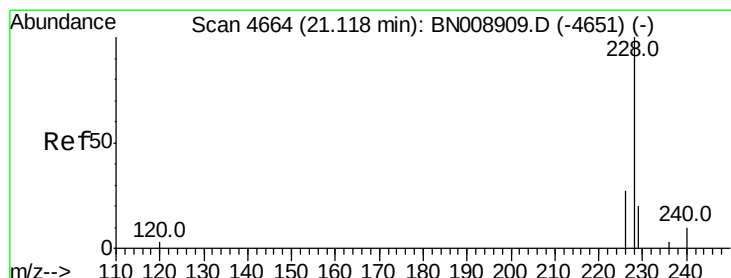
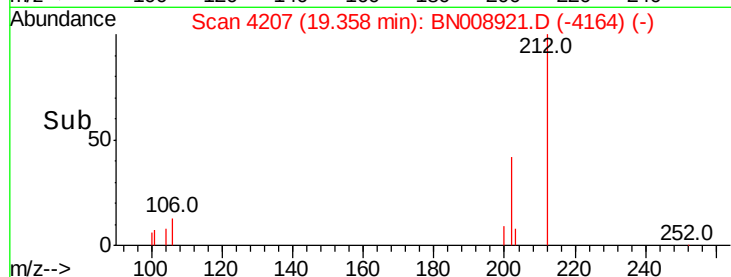
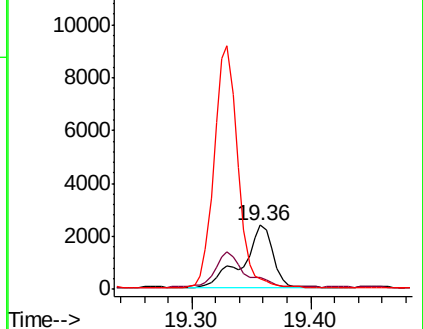
100 16.4 9.5 14.3#



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: 0.042 ng/ul

RT: 21.12 min Scan# 4663

Delta R.T. -0.00 min

Lab File: BN008921.D

Acq: 11 Dec 2019 17:35

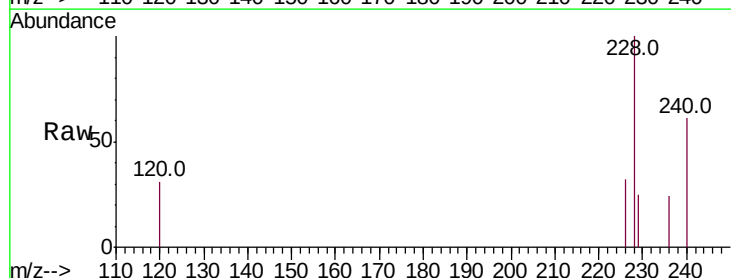
Tgt Ion:228 Resp: 2163

Ion Ratio Lower Upper

228 100

229 25.5 15.7 23.5#

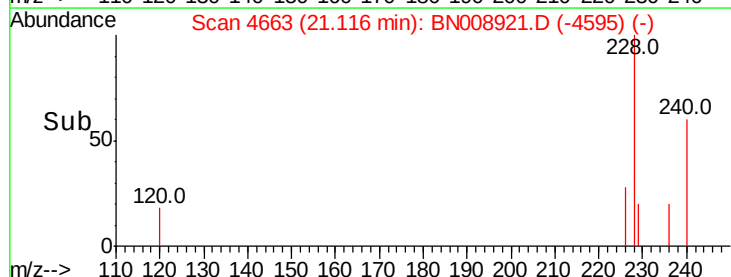
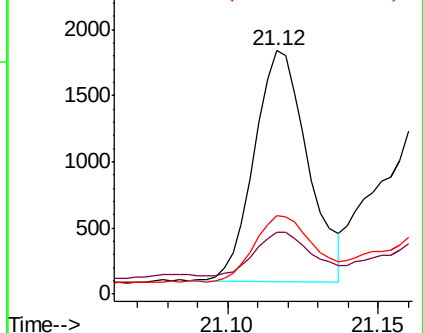
226 32.2 21.5 32.3

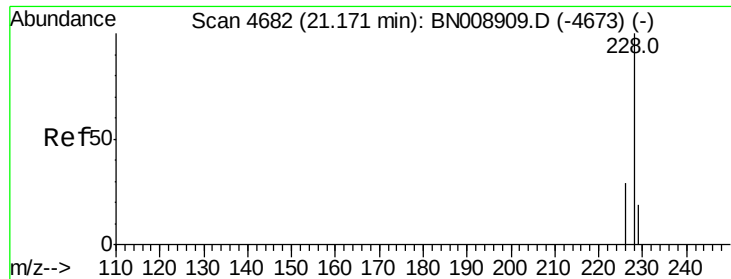


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.059 ng/ul

RT: 21.17 min Scan# 4681

Delta R.T. -0.00 min

Lab File: BN008921.D

Acq: 11 Dec 2019 17:35

Instrument :

BNA\_N

ClientSampleId :

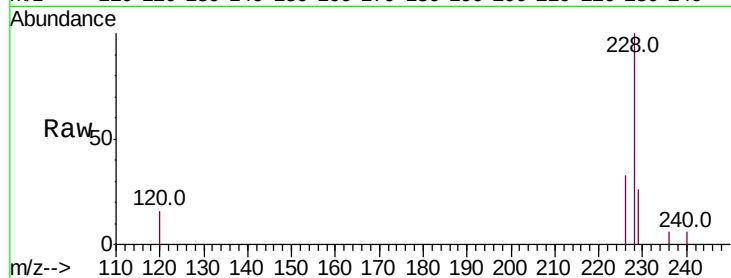
Tot Ion:228 Resp: 3014

Ion Ratio Lower Upper

228 100

226 32.5 23.8 35.6

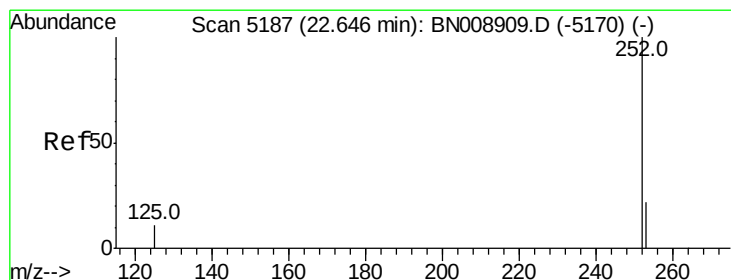
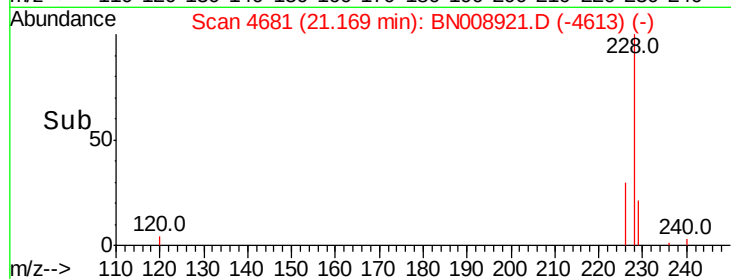
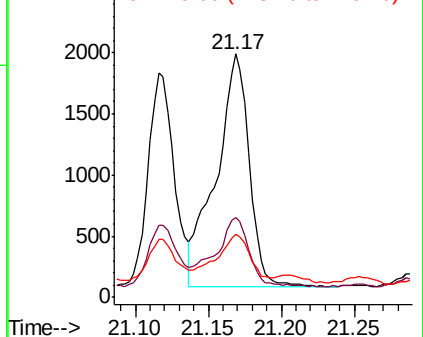
229 25.8 15.6 23.4#



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: 0.086 ng/ul

RT: 22.65 min Scan# 5187

Delta R.T. 0.00 min

Lab File: BN008921.D

Acq: 11 Dec 2019 17:35

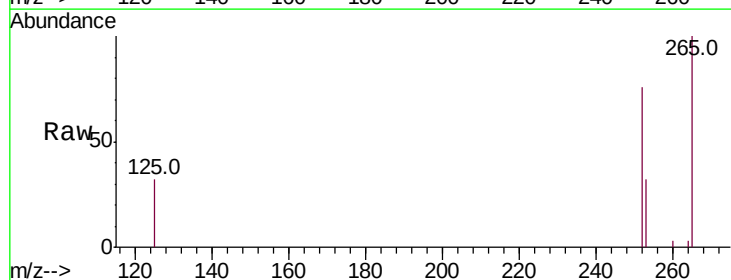
Tgt Ion:252 Resp: 5063

Ion Ratio Lower Upper

252 100

253 42.7 0.0 48.6

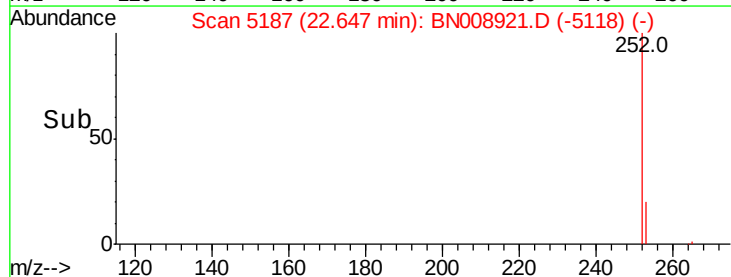
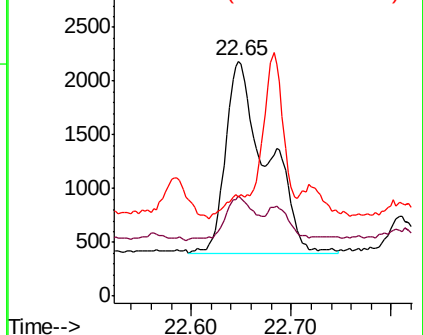
125 42.4 0.0 31.6#

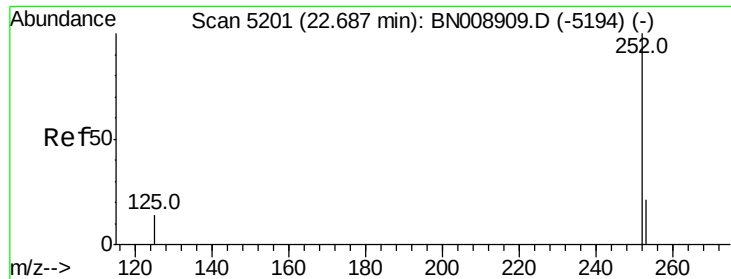


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.087 ng/ul

RT: 22.65 min Scan# 5187

Delta R.T. -0.04 min

Lab File: BN008921.D

Acq: 11 Dec 2019 17:35

Instrument :

BNA\_N

ClientSampleId :

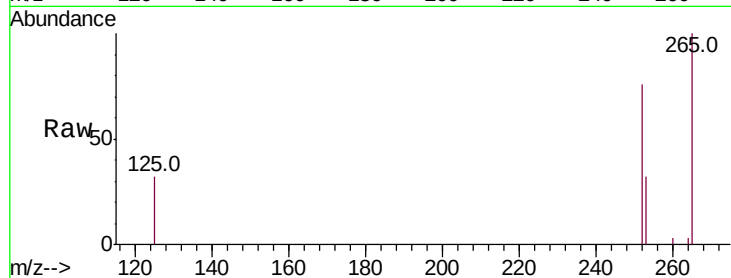
Tot Ion:252 Resp: 5063

Ion Ratio Lower Upper

252 100

253 42.7 19.6 29.4#

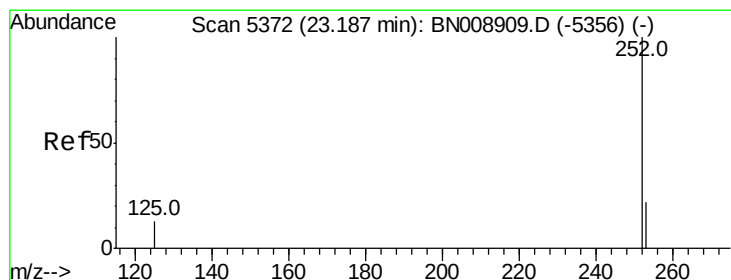
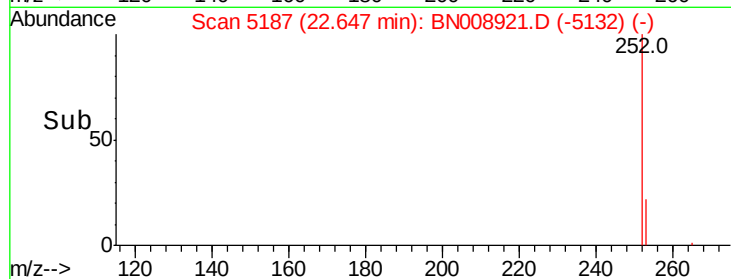
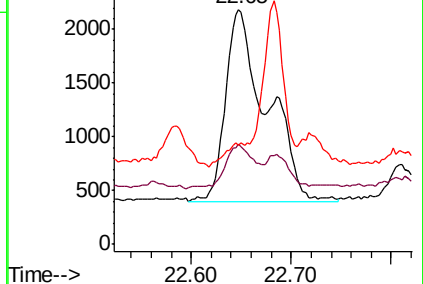
125 42.4 13.8 20.6#



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



#23

Benzo(a)pyrene

Concen: 0.036 ng/ul

RT: 23.19 min Scan# 5372

Delta R.T. 0.00 min

Lab File: BN008921.D

Acq: 11 Dec 2019 17:35

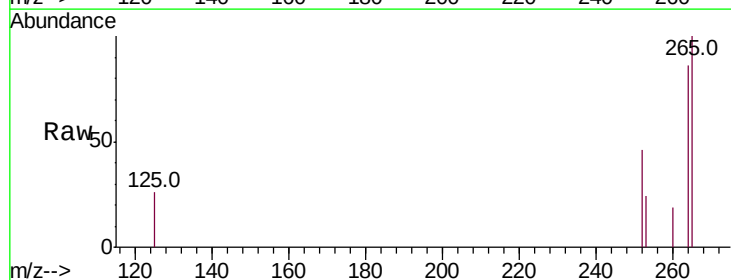
Tgt Ion:252 Resp: 1976

Ion Ratio Lower Upper

252 100

253 52.5 19.9 29.9#

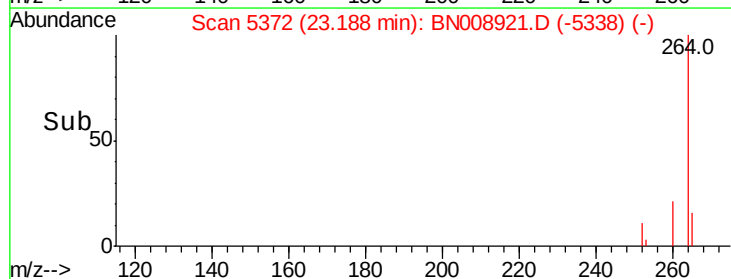
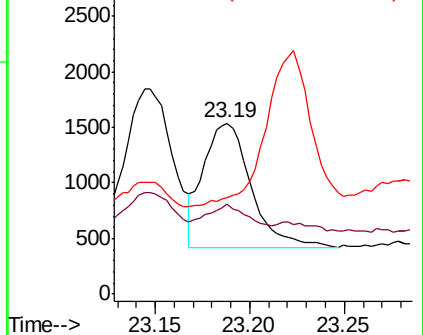
125 56.7 14.6 22.0#

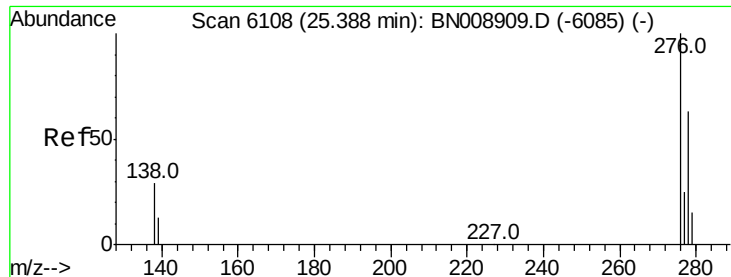


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



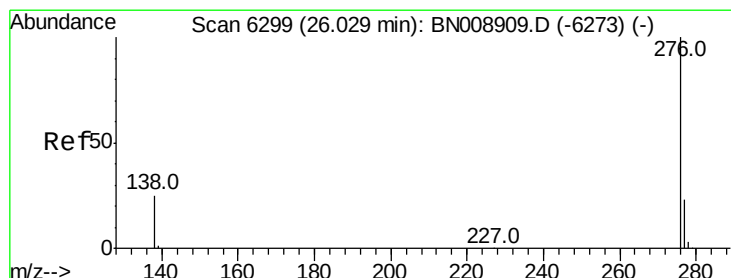
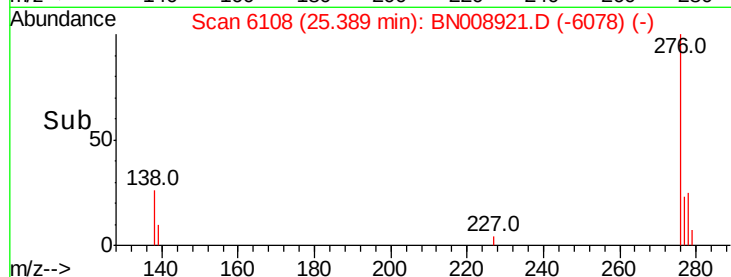
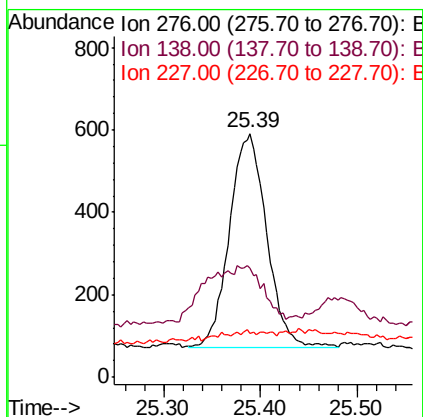
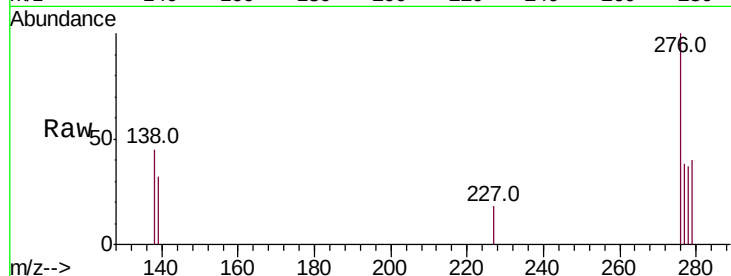


#24

Indeno(1,2,3-cd)pyrene  
Concen: 0.021 ng/ul  
RT: 25.39 min Scan# 6108  
Delta R.T. 0.00 min  
Lab File: BN008921.D  
Acq: 11 Dec 2019 17:35

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:276 Resp: 1378  
Ion Ratio Lower Upper  
276 100  
138 41.9 23.8 35.6#  
227 2.0 0.2 0.2#



#26

Benzo(g,h,i)perylene  
Concen: 0.022 ng/ul  
RT: 26.03 min Scan# 6298  
Delta R.T. -0.00 min  
Lab File: BN008921.D  
Acq: 11 Dec 2019 17:35

Tgt Ion:276 Resp: 1199  
Ion Ratio Lower Upper  
276 100  
138 46.0 21.9 32.9#  
277 41.0 19.9 29.9#

