

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\  
 Data File : BN008107.D  
 Acq On : 12 Oct 2019 11:10  
 Operator : JU  
 Sample : K5124-18  
 Misc :  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Oct 12 21:40:22 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 11 19:05:54 2019  
 Response via : Initial Calibration

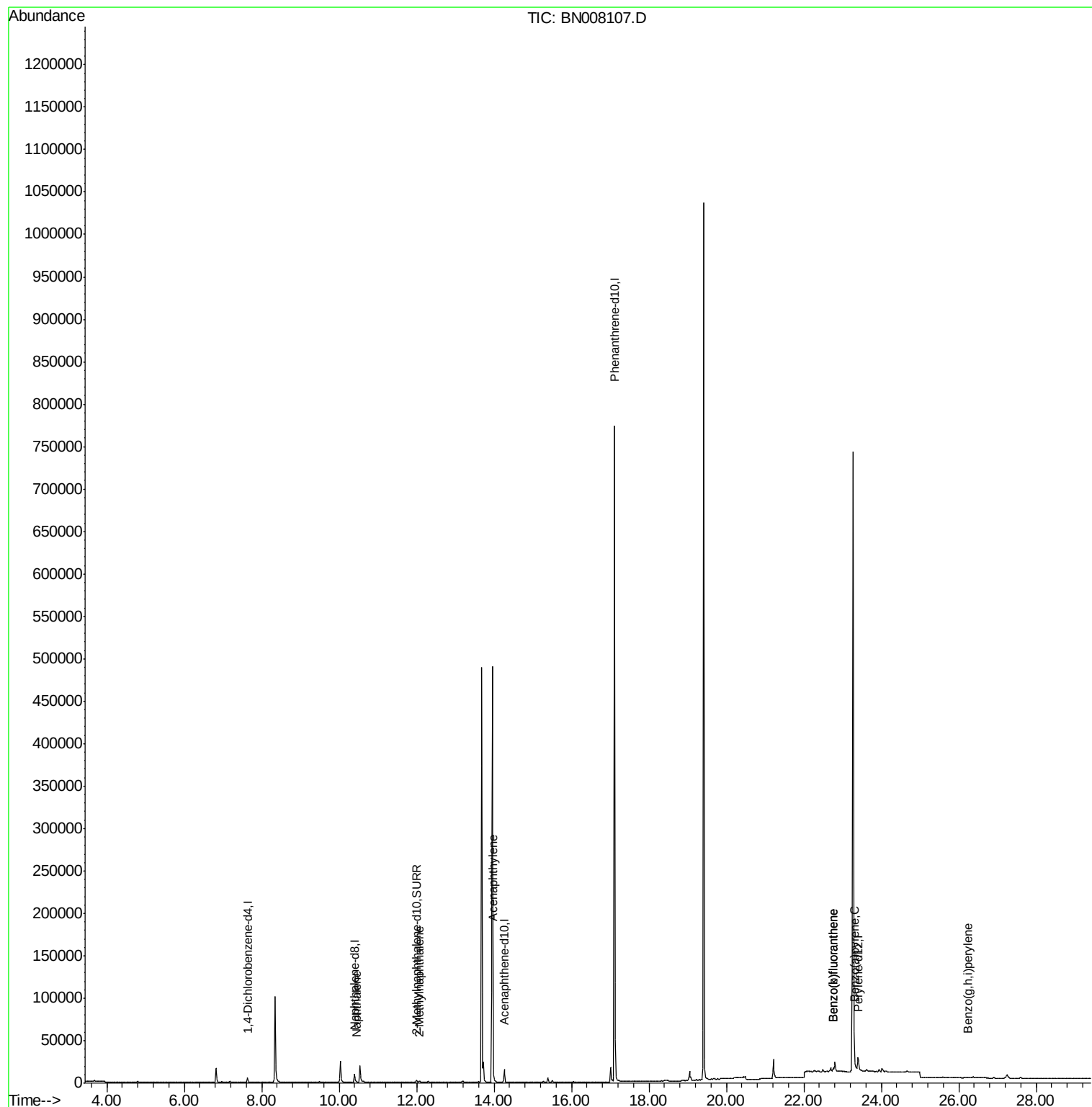
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.63  | 152  | 2801     | 0.40  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.39 | 136  | 13438    | 0.40  | ng/ul  | -0.01    |
| 6) Acenaphthene-d10         | 14.26 | 164  | 8712     | 0.40  | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.11 | 188  | 870120   | 0.40  | ng/ul  | 0.09     |
| 16) Chrysene-d12            | 0.00  | 240  | 0        | 0.00  | ng/ul  | -21.22   |
| 20) Perylene-d12            | 23.40 | 264  | 21010    | 0.40  | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.00 | 152  | 3953     | 0.17  | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 0.00  | 212  | 0        | 0.00  | ng/ul  |          |
| Target Compounds            |       |      |          |       |        |          |
|                             |       |      |          |       | Ovalue |          |
| 3) Naphthalene              | 10.44 | 128  | 1058     | 0.028 | ng/ul# | 74       |
| 5) 2-Methylnaphthalene      | 12.07 | 142  | 1045     | 0.040 | ng/ul  | 98       |
| 7) Acenaphthylene           | 13.98 | 152  | 2589     | 0.062 | ng/ul# | 84       |
| 21) Benzo(b)fluoranthene    | 22.76 | 252  | 5272     | 0.077 | ng/ul# | 1        |
| 22) Benzo(k)fluoranthene    | 22.76 | 252  | 5272     | 0.068 | ng/ul# | 1        |
| 23) Benzo(a)pyrene          | 23.31 | 252  | 2029     | 0.028 | ng/ul# | 1        |
| 26) Benzo(a,h,i)perylene    | 26.24 | 276  | 1863     | 0.024 | ng/ul# | 1        |

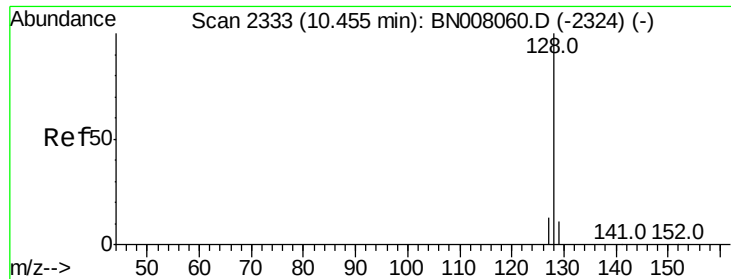
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.028 ng/ul

RT: 10.44 min Scan# 2331

Delta R.T. -0.01 min

Lab File: BN008107.D

Acq: 12 Oct 2019 11:10

Instrument :

BNA\_N

ClientSampled :

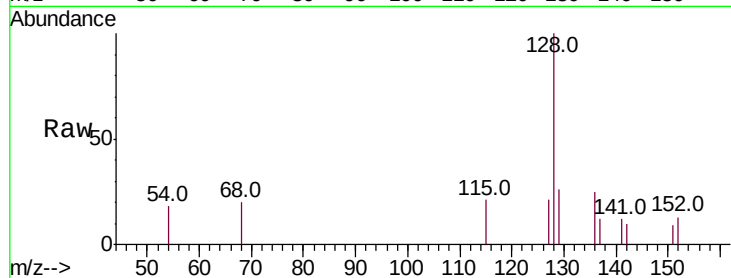
Tot Ion:128 Resp: 1058

Ion Ratio Lower Upper

128 100

129 26.0 9.8 14.8#

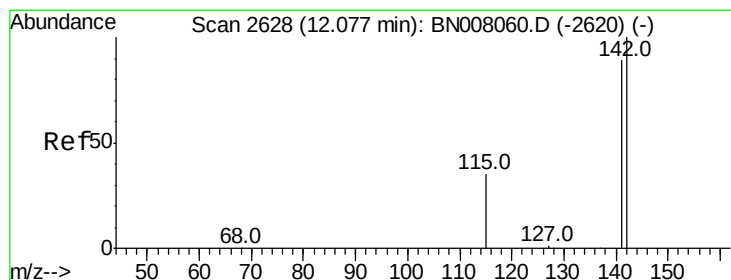
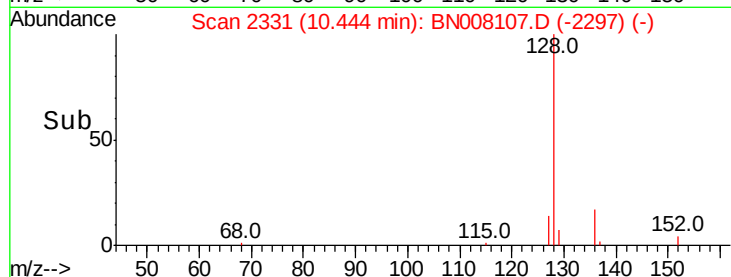
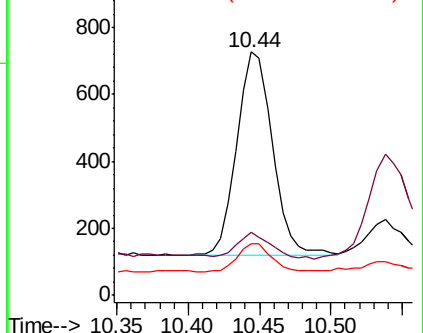
127 21.0 11.1 16.7#



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: 0.040 ng/ul

RT: 12.07 min Scan# 2627

Delta R.T. -0.01 min

Lab File: BN008107.D

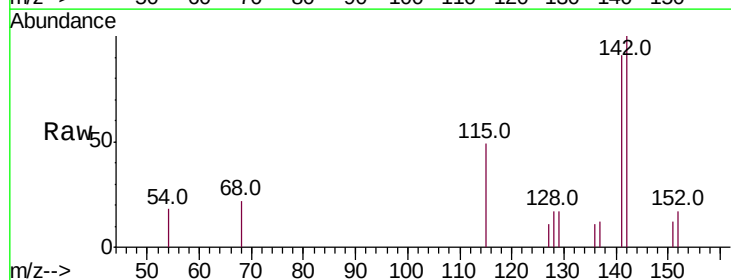
Acq: 12 Oct 2019 11:10

Tgt Ion:142 Resp: 1045

Ion Ratio Lower Upper

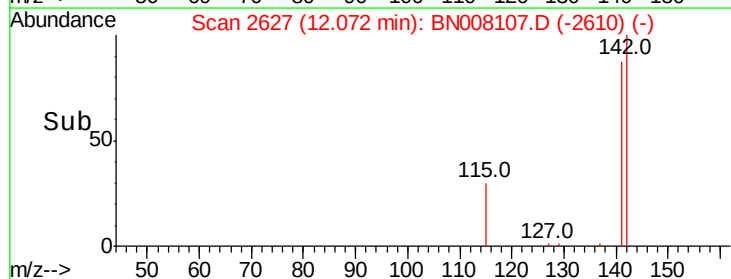
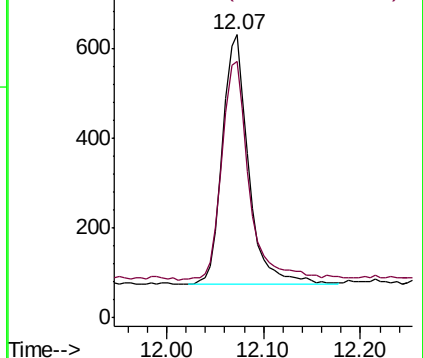
142 100

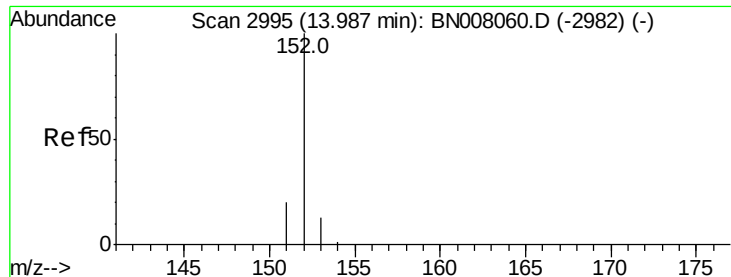
141 90.9 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.062 ng/ul

RT: 13.98 min Scan# 2993

Delta R.T. -0.01 min

Lab File: BN008107.D

Acq: 12 Oct 2019 11:10

Instrument :

BNA\_N

ClientSampleId :

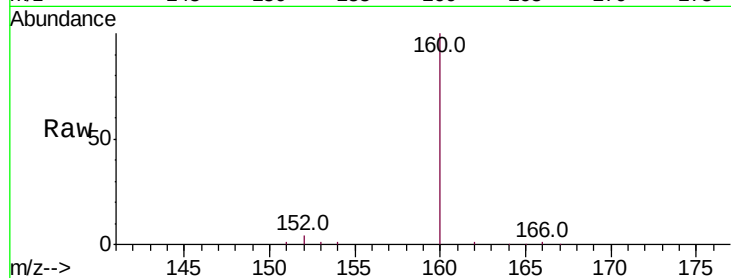
Tot Ion:152 Resp: 2589

Ion Ratio Lower Upper

152 100

151 25.9 16.2 24.4#

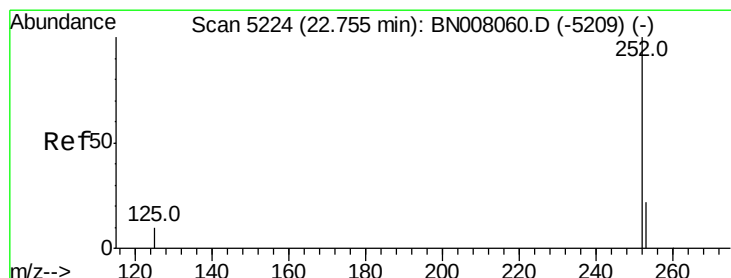
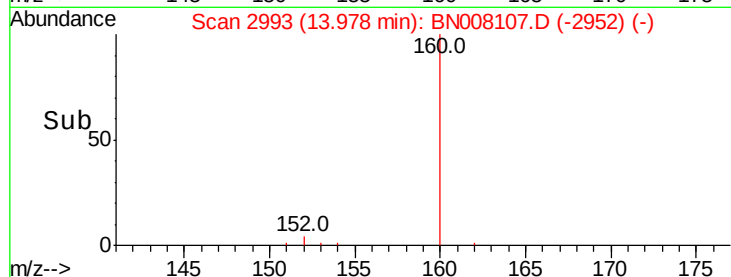
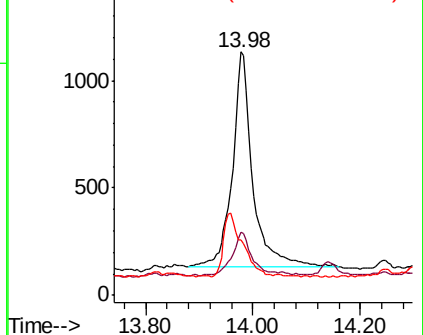
153 22.6 11.0 16.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#21

Benzo(b)fluoranthene

Concen: 0.077 ng/ul

RT: 22.76 min Scan# 5224

Delta R.T. 0.00 min

Lab File: BN008107.D

Acq: 12 Oct 2019 11:10

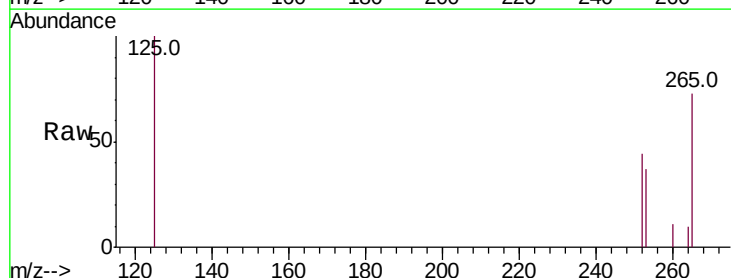
Tgt Ion:252 Resp: 5272

Ion Ratio Lower Upper

252 100

253 84.2 0.0 53.4#

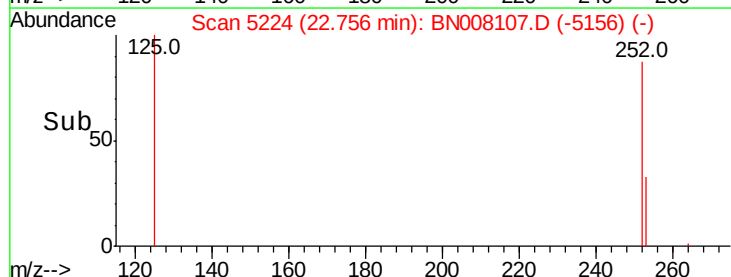
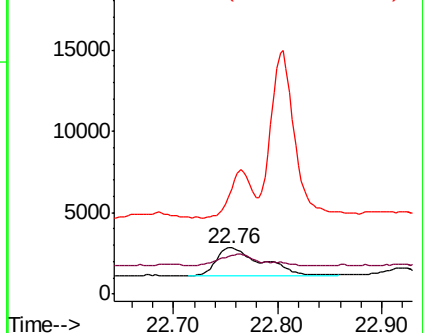
125 228.2 0.0 32.4#

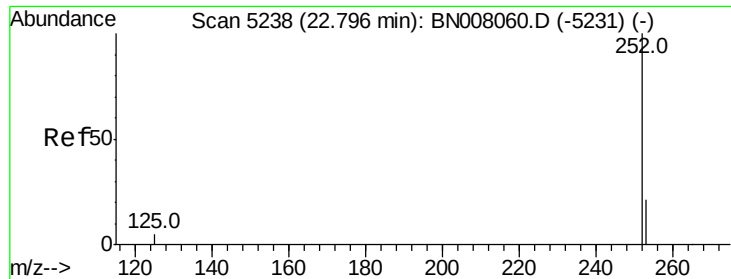


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

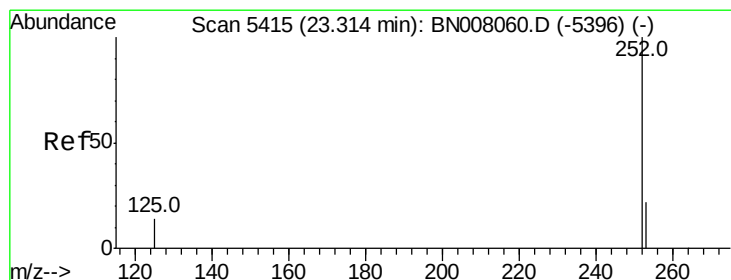
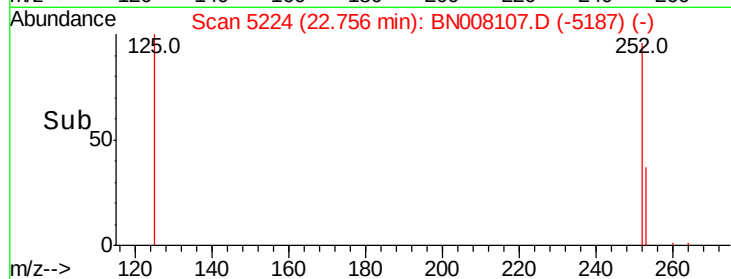
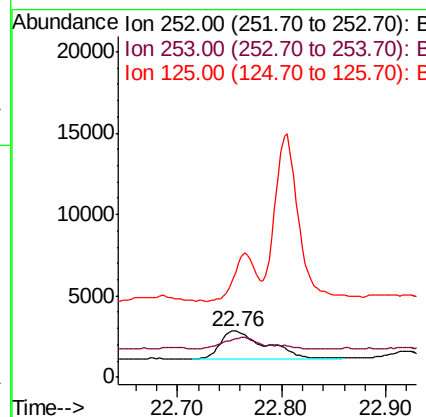
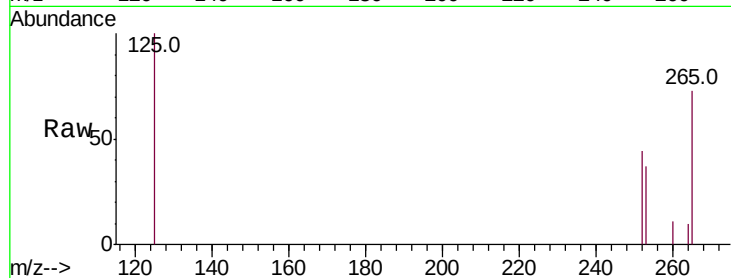




#22  
Benzo(k)fluoranthene  
Concen: 0.068 ng/ul  
RT: 22.76 min Scan# 5224  
Delta R.T. -0.04 min  
Lab File: BN008107.D  
Acq: 12 Oct 2019 11:10

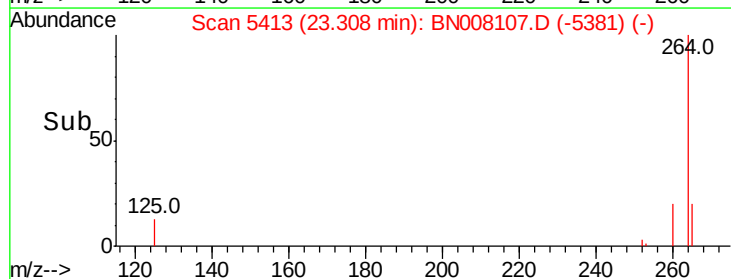
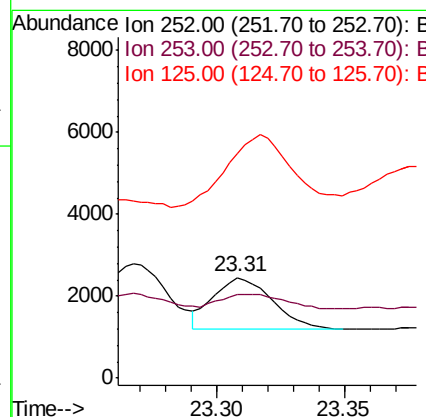
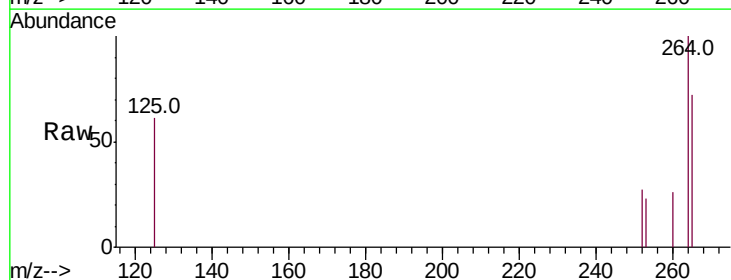
Instrument :  
BNA\_N  
ClientSampleId :

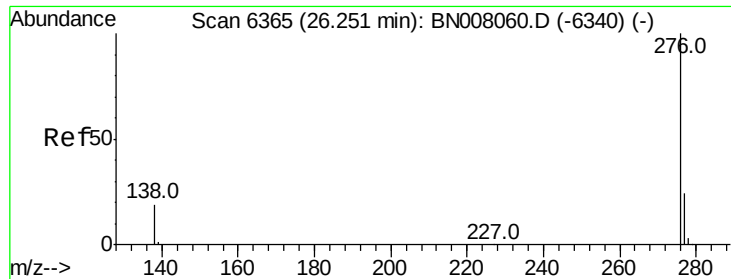
Tot Ion:252 Resp: 5272  
Ion Ratio Lower Upper  
252 100  
253 84.2 21.3 31.9#  
125 228.2 12.3 18.5#



#23  
Benzo(a)pyrene  
Concen: 0.028 ng/ul  
RT: 23.31 min Scan# 5413  
Delta R.T. -0.01 min  
Lab File: BN008107.D  
Acq: 12 Oct 2019 11:10

Tgt Ion:252 Resp: 2029  
Ion Ratio Lower Upper  
252 100  
253 82.8 22.8 34.2#  
125 223.3 18.4 27.6#





#26

Benzo(a,h,i)perylene

Concen: 0.024 ng/ul

RT: 26.24 min Scan# 6363

Delta R.T. -0.01 min

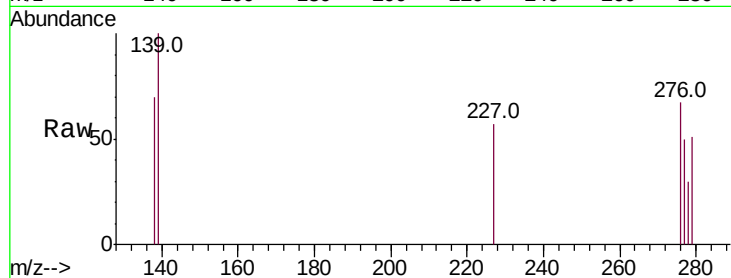
Lab File: BN008107.D

Acq: 12 Oct 2019 11:10

Instrument :

BNA\_N

ClientSampleId :



Tot Ion: 276 Resp: 1863

Ion Ratio Lower Upper

276 100

138 105.0 17.0 25.4#

277 74.5 20.4 30.6#

