

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101420\  
 Data File : BN012212.D  
 Acq On : 15 Oct 2020 01:44  
 Operator : CG/JU  
 Sample : L4166-02  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Oct 15 02:22:32 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101420.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 15 00:46:15 2020  
 Response via : Initial Calibration

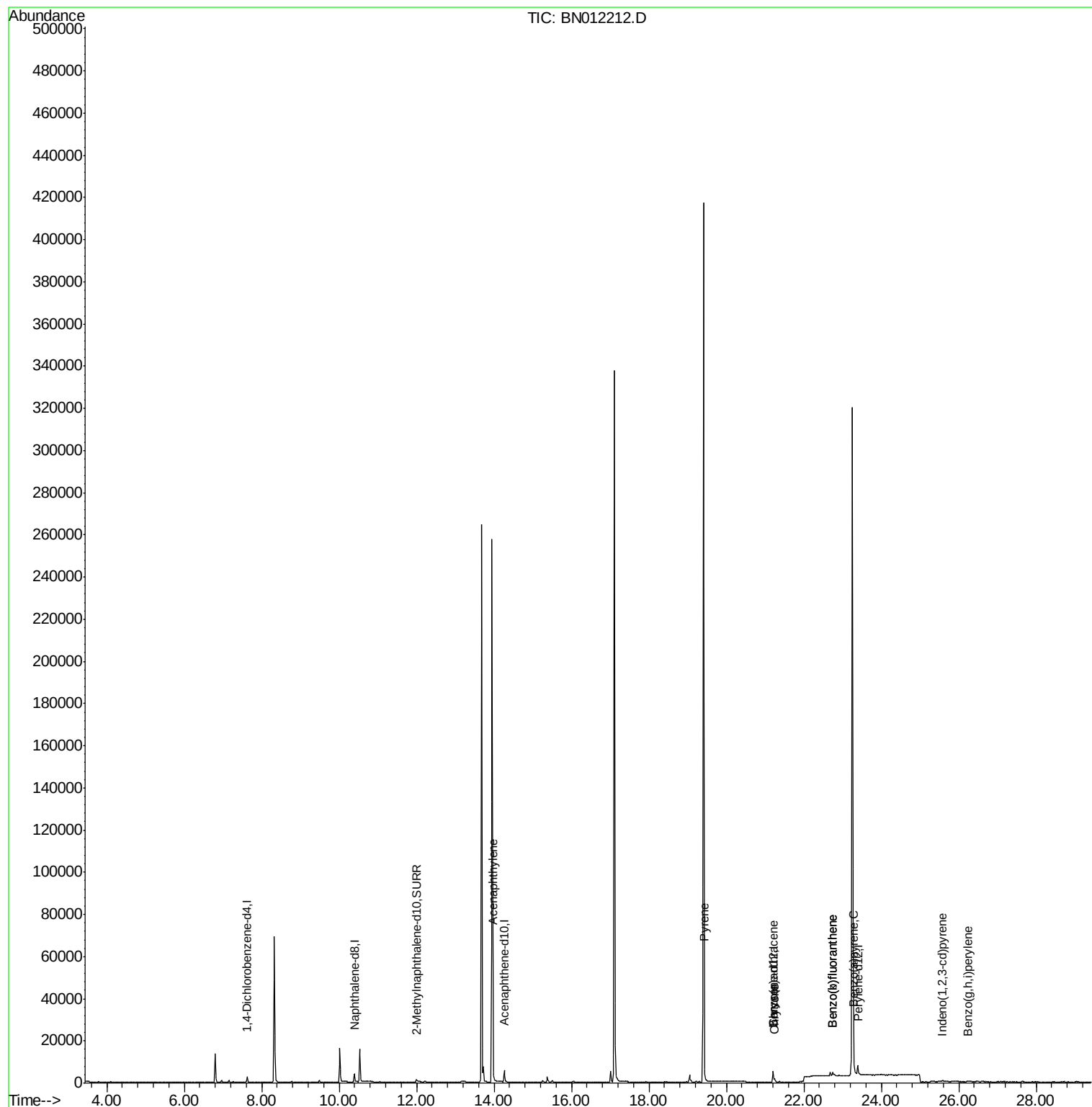
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.62  | 152  | 1261     | 0.40  | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.39 | 136  | 5077     | 0.40  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.26 | 164  | 3014     | 0.40  | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 0.00  | 188  | 0        | 0.00  | ng/ul  | -17.01   |
| 16) Chrysene-d12            | 21.21 | 240  | 5035     | 0.40  | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.39 | 264  | 5943     | 0.40  | ng/ul  | -0.01    |
| System Monitoring Compounds |       |      |          |       |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.00 | 152  | 1869     | 0.25  | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.05 | 212  | 3967     | 0.00  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |       |        |          |
|                             |       |      |          |       | Ovalue |          |
| 7) Acenaphthylene           | 13.98 | 152  | 321      | 0.025 | ng/ul# | 62       |
| 17) Pyrene                  | 19.44 | 202  | 866      | 0.038 | ng/ul# | 70       |
| 18) Benzo(a)anthracene      | 21.20 | 228  | 732      | 0.039 | ng/ul# | 78       |
| 19) Chrysene                | 21.24 | 228  | 1472     | 0.065 | ng/ul  | 95       |
| 21) Benzo(b)fluoranthene    | 22.74 | 252  | 3089     | 0.129 | ng/ul# | 52       |
| 22) Benzo(k)fluoranthene    | 22.74 | 252  | 3089     | 0.116 | ng/ul# | 49       |
| 23) Benzo(a)pyrene          | 23.30 | 252  | 1458     | 0.062 | ng/ul# | 44       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.57 | 276  | 985      | 0.033 | ng/ul# | 100      |
| 26) Benzo(g,h,i)perylene    | 26.24 | 276  | 991      | 0.036 | ng/ul# | 68       |

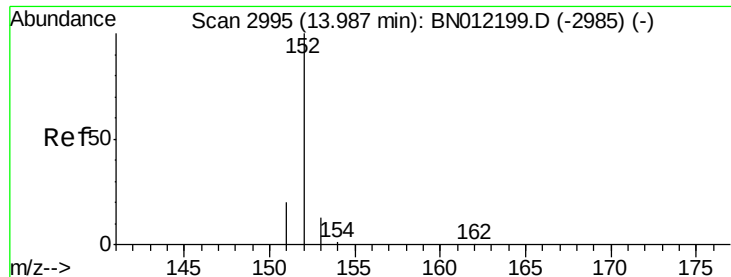
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.025 ng/ul

RT: 13.98 min Scan# 2993

Delta R.T. -0.01 min

Lab File: BN012212.D

Acq: 15 Oct 2020 01:44

Instrument :

BNA\_N

ClientSampleId :

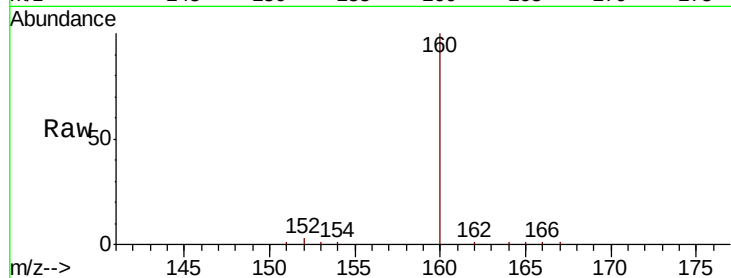
Tot Ion:152 Resp: 321

Ion Ratio Lower Upper

152 100

151 36.5 16.7 25.1#

153 33.0 11.8 17.8#



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

13.98

250

200

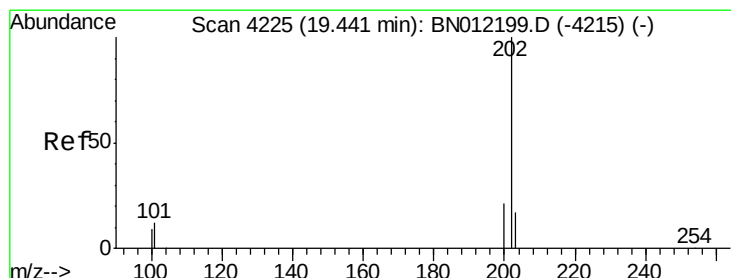
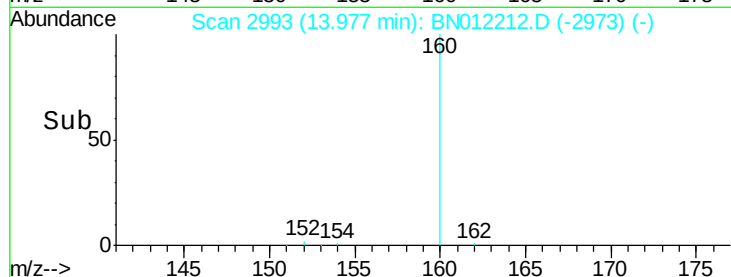
150

100

50

0

Time-->



#17

Pyrene

Concen: 0.038 ng/ul

RT: 19.44 min Scan# 4224

Delta R.T. -0.00 min

Lab File: BN012212.D

Acq: 15 Oct 2020 01:44

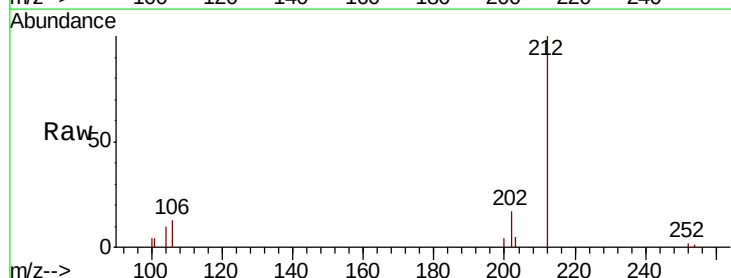
Tgt Ion:202 Resp: 866

Ion Ratio Lower Upper

202 100

101 21.1 9.9 14.9#

100 24.9 8.0 12.0#



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

8000

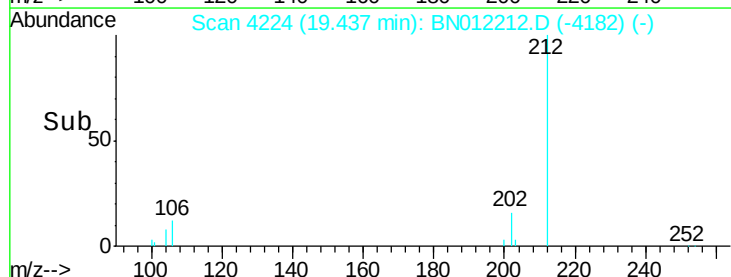
6000

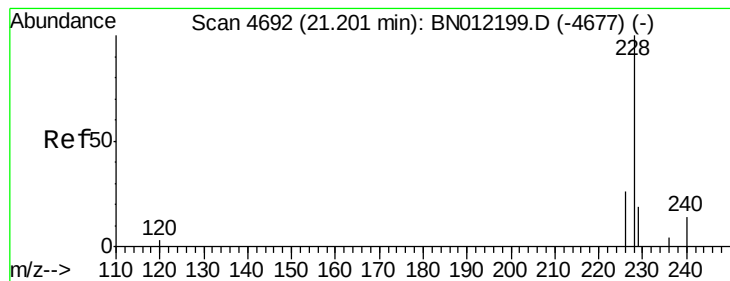
4000

2000

0

Time-->





#18

Benzo(a)anthracene

Concen: 0.039 ng/ul

RT: 21.20 min Scan# 4690

Delta R.T. -0.01 min

Lab File: BN012212.D

Acq: 15 Oct 2020 01:44

Instrument :

BNA\_N

ClientSampleId :

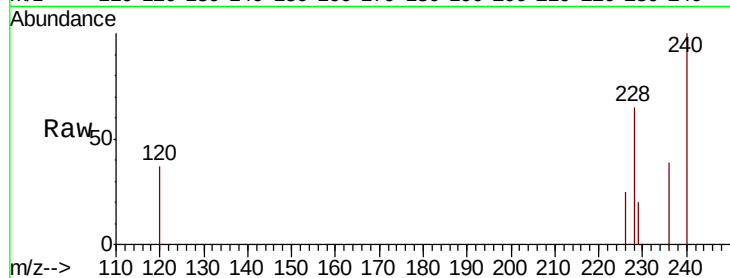
Tot Ion:228 Resp: 732

Ion Ratio Lower Upper

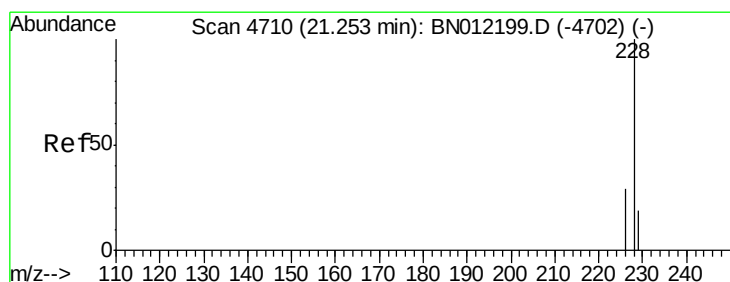
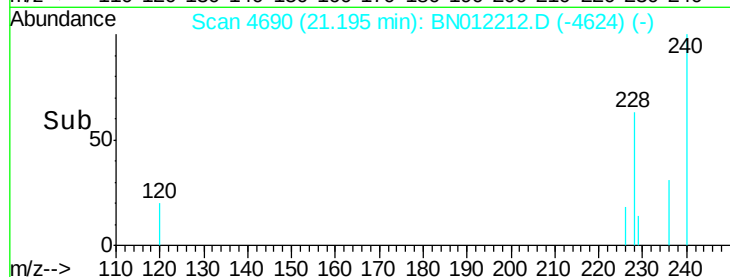
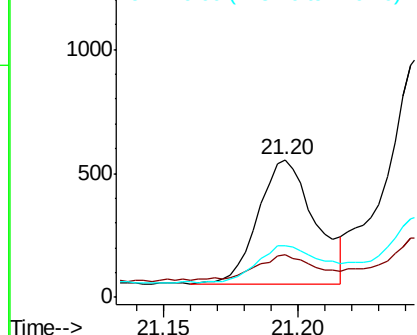
228 100

229 31.5 15.8 23.8#

226 38.0 22.6 33.8#



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: 0.065 ng/ul

RT: 21.24 min Scan# 4707

Delta R.T. -0.01 min

Lab File: BN012212.D

Acq: 15 Oct 2020 01:44

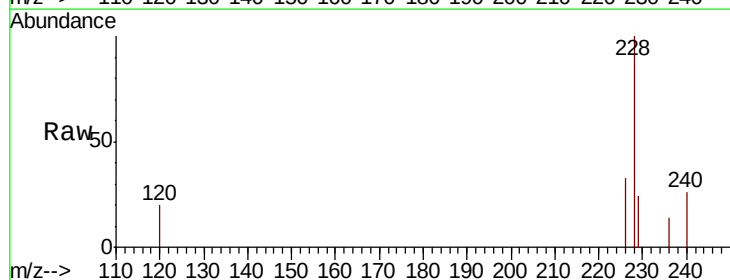
Tgt Ion:228 Resp: 1472

Ion Ratio Lower Upper

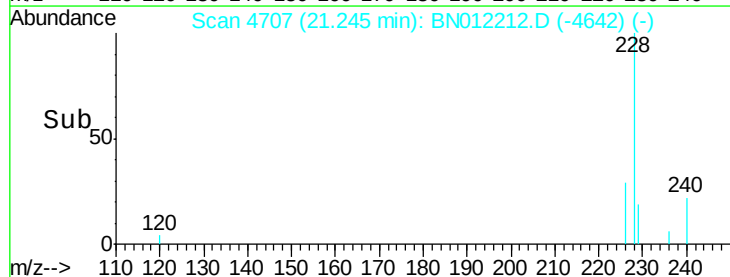
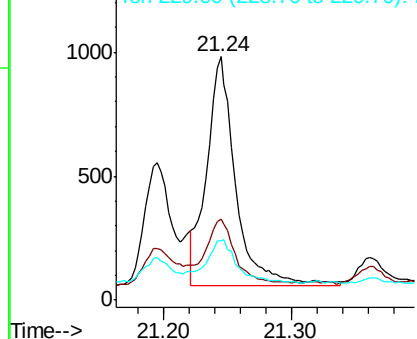
228 100

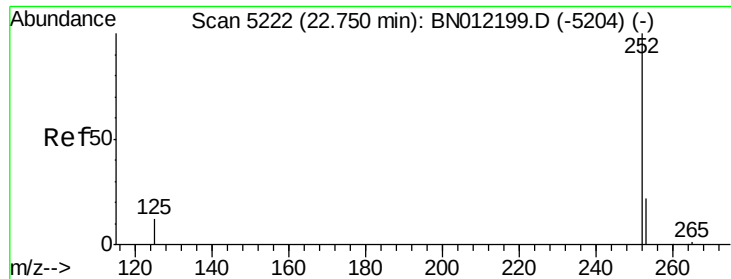
226 33.1 24.6 37.0

229 24.2 17.0 25.6



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: 0.129 ng/ul

RT: 22.74 min Scan# 5219

Delta R.T. -0.01 min

Lab File: BN012212.D

Acq: 15 Oct 2020 01:44

Instrument :

BNA\_N

ClientSampleId :

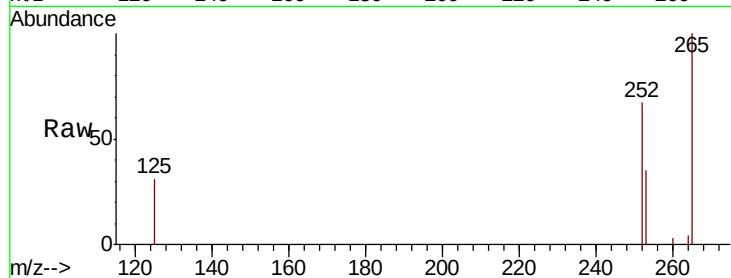
Tot Ion:252 Resp: 3089

Ion Ratio Lower Upper

252 100

253 52.3 0.0 61.6

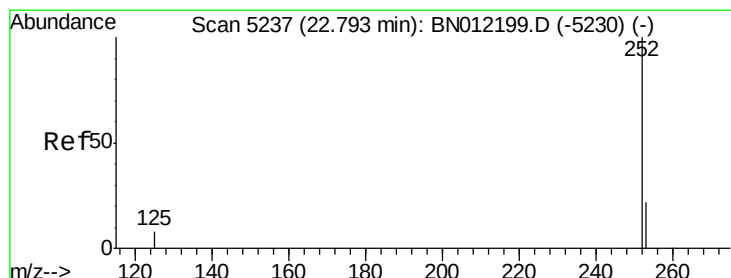
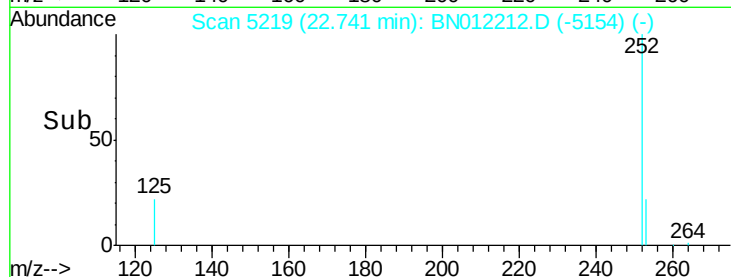
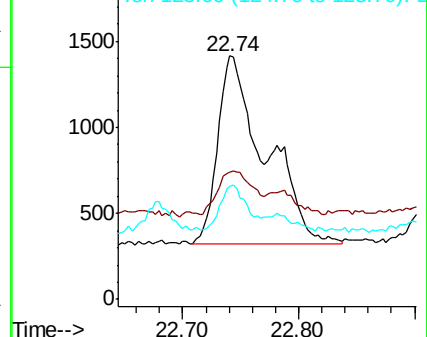
125 46.3 0.0 36.8#



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: 0.116 ng/ul

RT: 22.74 min Scan# 5219

Delta R.T. -0.05 min

Lab File: BN012212.D

Acq: 15 Oct 2020 01:44

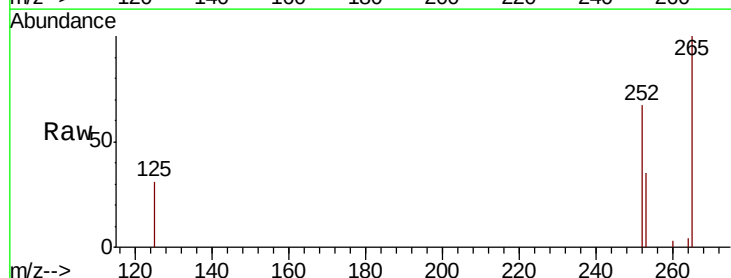
Tgt Ion:252 Resp: 3089

Ion Ratio Lower Upper

252 100

253 52.3 24.4 36.6#

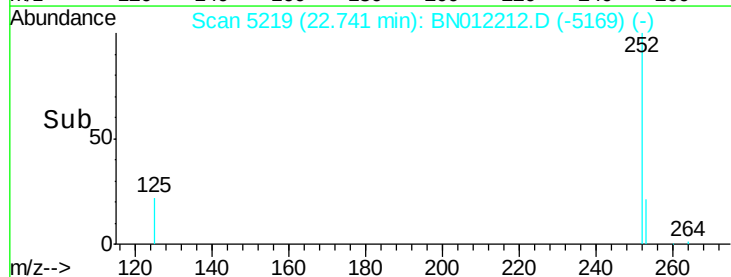
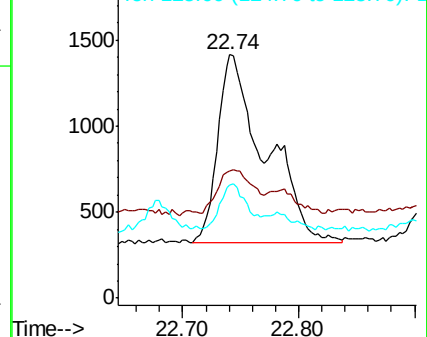
125 46.3 12.9 19.3#

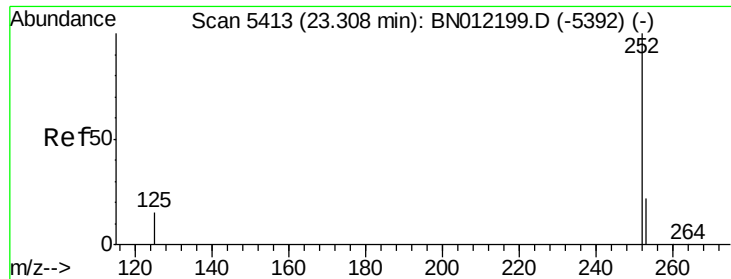


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.062 ng/ul

RT: 23.30 min Scan# 5409

Delta R.T. -0.01 min

Lab File: BN012212.D

Acq: 15 Oct 2020 01:44

Instrument :

BNA\_N

ClientSampleId :

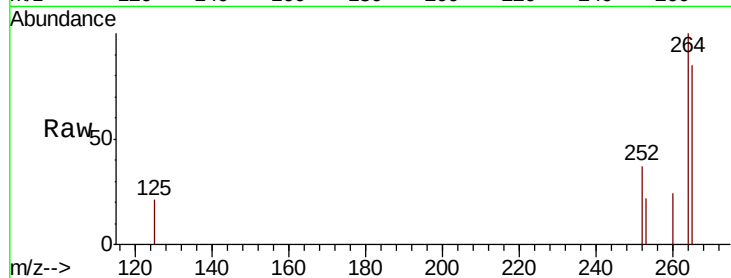
Tot Ion:252 Resp: 1458

Ion Ratio Lower Upper

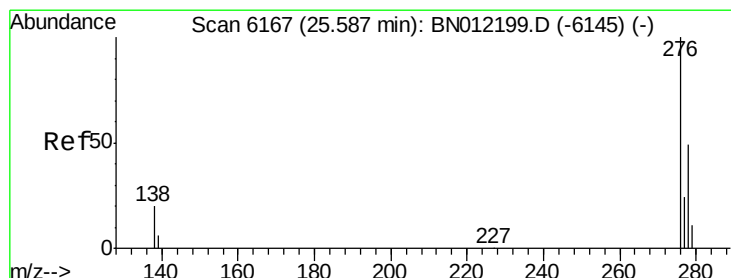
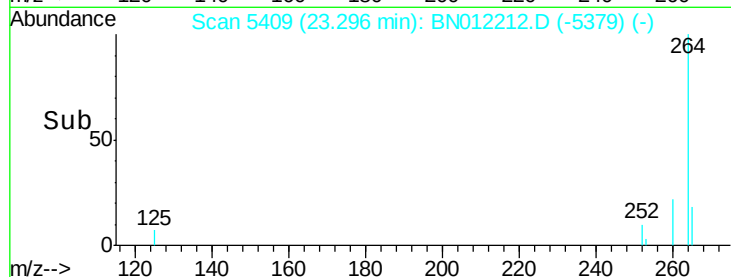
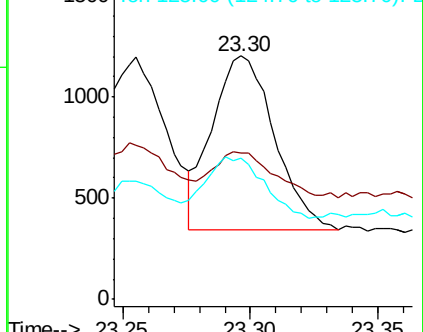
252 100

253 59.9 27.0 40.4#

125 57.8 18.8 28.2#



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: 0.033 ng/ul

RT: 25.57 min Scan# 6163

Delta R.T. -0.01 min

Lab File: BN012212.D

Acq: 15 Oct 2020 01:44

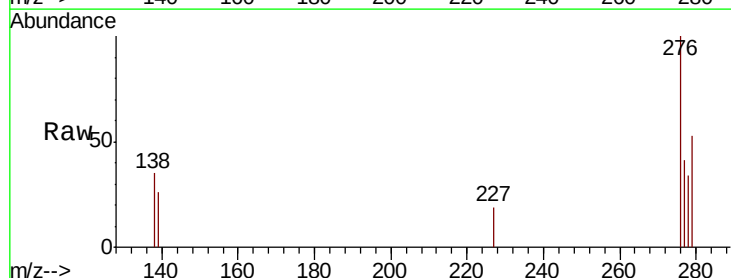
Tgt Ion:276 Resp: 985

Ion Ratio Lower Upper

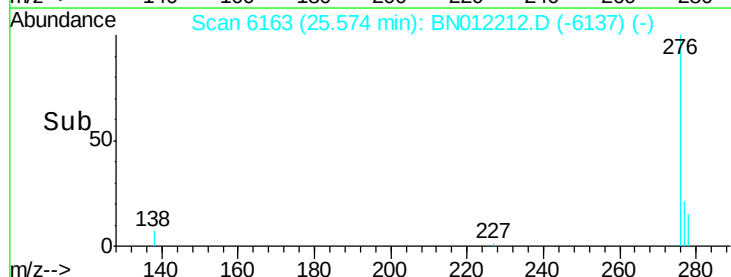
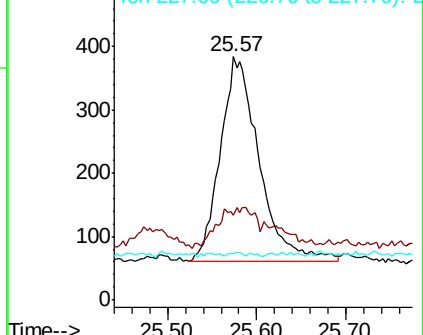
276 100

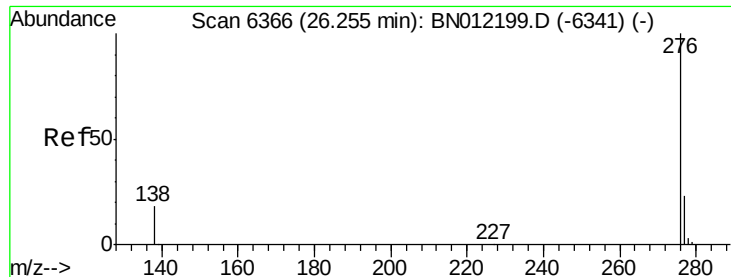
138 27.7 0.0 0.0#

227 0.7 0.0 0.0#



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





#26

Benzo(a,h,i)perylene

Concen: 0.036 ng/ul

RT: 26.24 min Scan# 6361

Delta R.T. -0.02 min

Lab File: BN012212.D

Acq: 15 Oct 2020 01:44

Instrument :

BNA\_N

ClientSampleId :

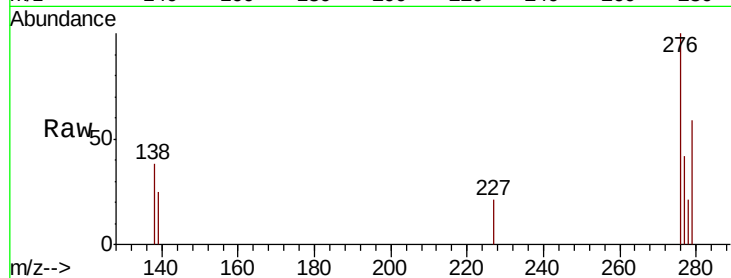
Tot Ion:276 Resp: 991

Ion Ratio Lower Upper

276 100

138 37.5 17.1 25.7#

277 41.9 21.1 31.7#



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

