

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101420\  
 Data File : BN012256.D  
 Acq On : 16 Oct 2020 06:39  
 Operator : CG/JU  
 Sample : SSTDCCC0.4EC  
 Misc :  
 ALS Vial : 68 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD0.420

Quant Time: Oct 16 07:24:30 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 : Fri Oct 16 06:21:01 2020  
 Response via : Initial Calibration

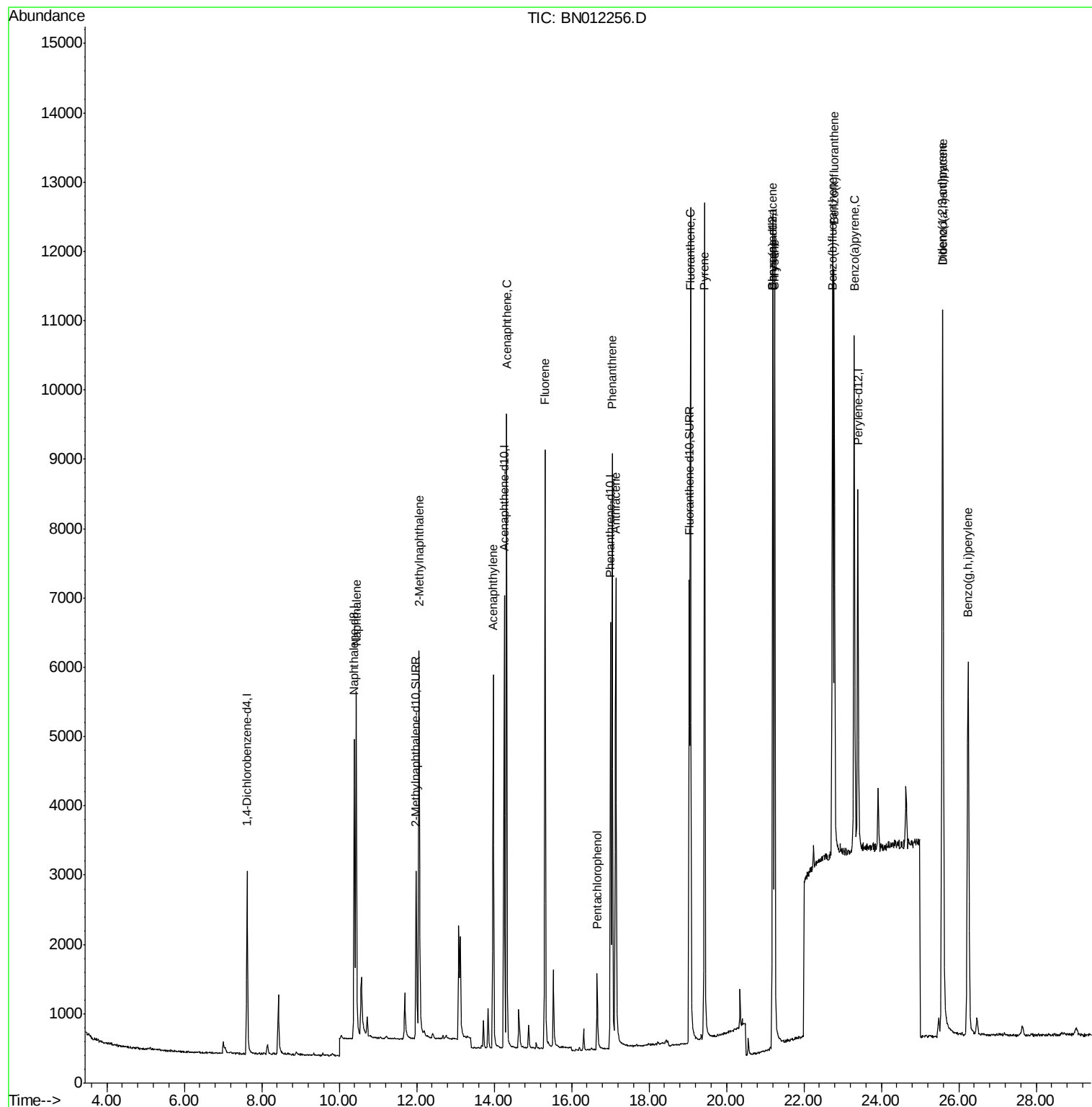
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.62  | 152  | 1506     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.39 | 136  | 6413     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.26 | 164  | 3698     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.00 | 188  | 7722     | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.21 | 240  | 6498     | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.39 | 264  | 6636     | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.98 | 152  | 3924     | 0.41   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.04 | 212  | 7908     | 0.37   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 3) Naphthalene              | 10.44 | 128  | 7276     | 0.393  | ng/ul  | 98       |
| 5) 2-Methylnaphthalene      | 12.06 | 142  | 4793     | 0.408  | ng/ul  | 100      |
| 7) Acenaphthylene           | 13.98 | 152  | 6591     | 0.411  | ng/ul  | 98       |
| 8) Acenaphthene             | 14.32 | 153  | 5344     | 0.394  | ng/ul  | 99       |
| 9) Fluorene                 | 15.31 | 166  | 5987     | 0.397  | ng/ul  | 100      |
| 11) Pentachlorophenol       | 16.66 | 266  | 873      | 0.391  | ng/ul  | 98       |
| 12) Phenanthrene            | 17.05 | 178  | 9541     | 0.388  | ng/ul  | 99       |
| 13) Anthracene              | 17.14 | 178  | 8500     | 0.403  | ng/ul  | 98       |
| 15) Fluoranthene            | 19.07 | 202  | 10847    | 0.377  | ng/ul  | 99       |
| 17) Pyrene                  | 19.44 | 202  | 11184    | 0.382  | ng/ul  | 100      |
| 18) Benzo(a)anthracene      | 21.19 | 228  | 9490     | 0.394  | ng/ul  | 99       |
| 19) Chrysene                | 21.24 | 228  | 10961    | 0.374  | ng/ul  | 99       |
| 21) Benzo(b)fluoranthene    | 22.74 | 252  | 10689    | 0.399  | ng/ul  | 95       |
| 22) Benzo(k)fluoranthene    | 22.78 | 252  | 11279    | 0.380  | ng/ul  | 95       |
| 23) Benzo(a)pyrene          | 23.30 | 252  | 10136    | 0.389  | ng/ul  | 93       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.57 | 276  | 12930    | 0.386  | ng/ul# | 100      |
| 25) Dibenzo(a,h)anthracene  | 25.59 | 278  | 10502    | 0.392  | ng/ul  | 95       |
| 26) Benzo(g,h,i)perylene    | 26.24 | 276  | 11410    | 0.372  | ng/ul  | 99       |

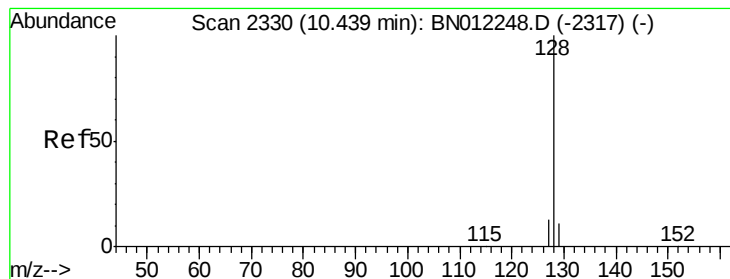
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.393 ng/ul

RT: 10.44 min Scan# 2330

Delta R.T. 0.00 min

Lab File: BN012256.D

Acq: 16 Oct 2020 06:39

Instrument :

BNA\_N

ClientSampleId :

SSTD0.420

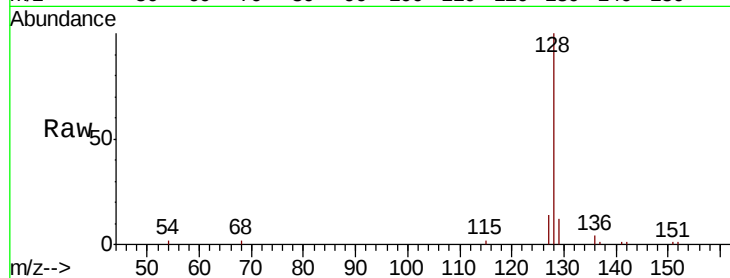
Tot Ion:128 Resp: 7276

Ion Ratio Lower Upper

128 100

129 12.0 10.3 15.5

127 14.0 11.9 17.9

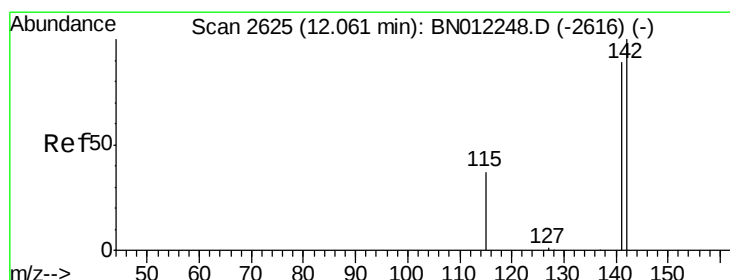
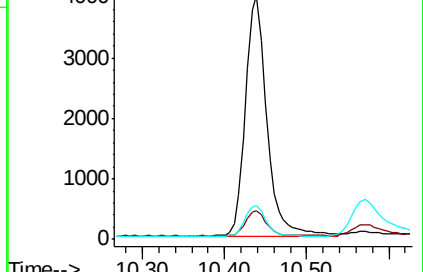
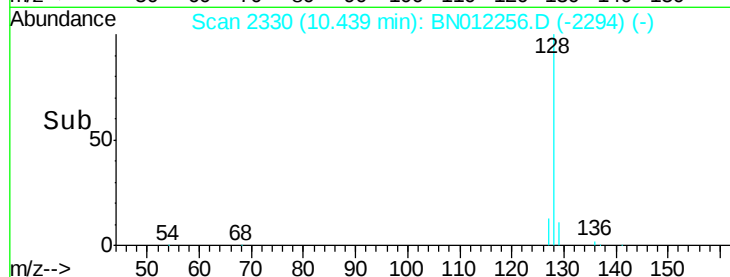


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

10.44



#5

2-Methylnaphthalene

Concen: 0.408 ng/ul

RT: 12.06 min Scan# 2625

Delta R.T. 0.00 min

Lab File: BN012256.D

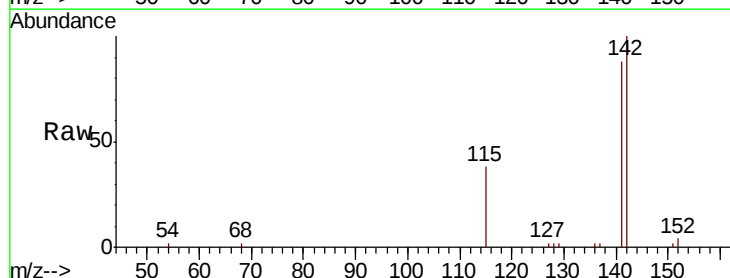
Acq: 16 Oct 2020 06:39

Tgt Ion:142 Resp: 4793

Ion Ratio Lower Upper

142 100

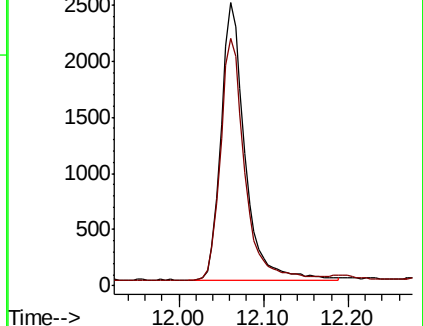
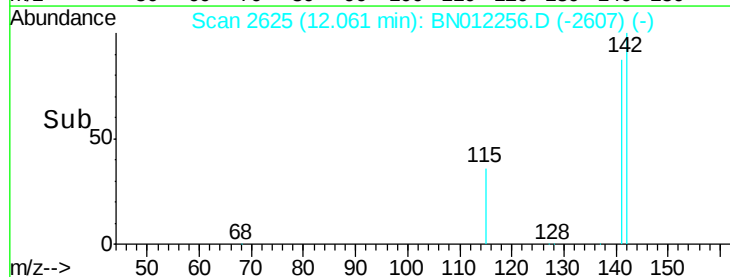
141 89.2 71.7 107.5

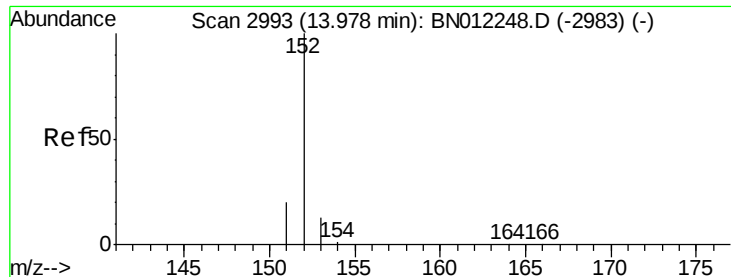


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.06





#7

Acenaphthylene

Concen: 0.411 ng/ul

RT: 13.98 min Scan# 2993

Delta R.T. 0.00 min

Lab File: BN012256.D

Acq: 16 Oct 2020 06:39

Instrument :

BNA\_N

ClientSampleId :

SSTD0.420

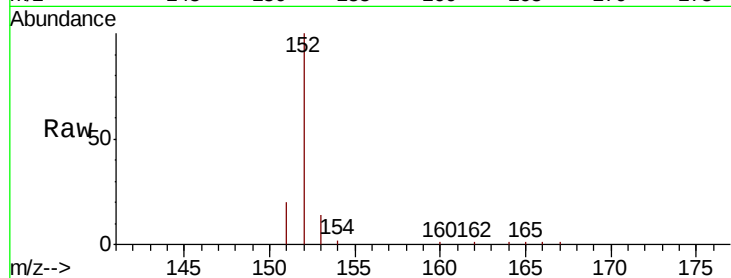
Tot Ion:152 Resp: 6591

Ion Ratio Lower Upper

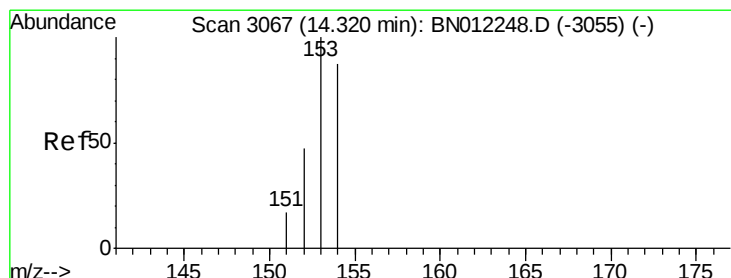
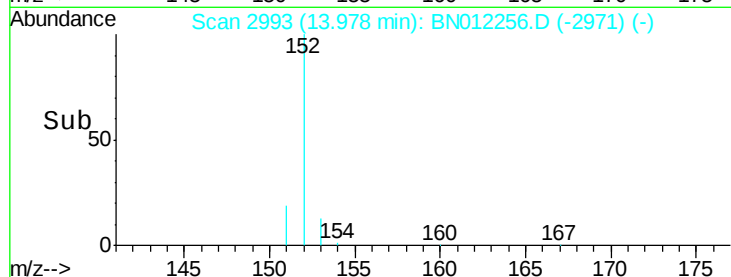
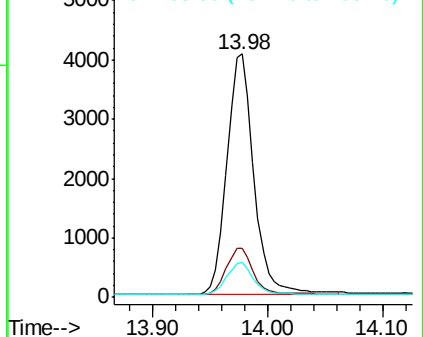
152 100

151 20.2 16.7 25.1

153 14.1 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



#8

Acenaphthene

Concen: 0.394 ng/ul

RT: 14.32 min Scan# 3067

Delta R.T. 0.00 min

Lab File: BN012256.D

Acq: 16 Oct 2020 06:39

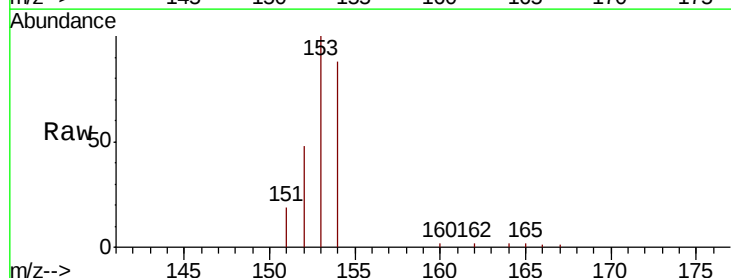
Tgt Ion:153 Resp: 5344

Ion Ratio Lower Upper

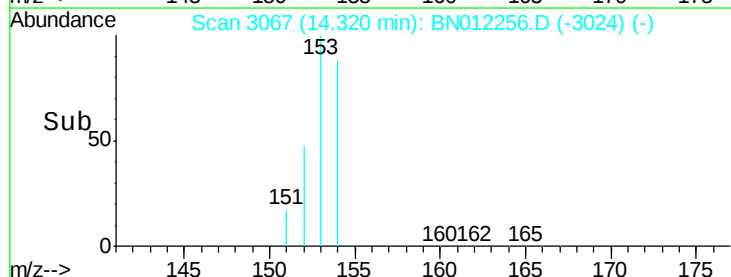
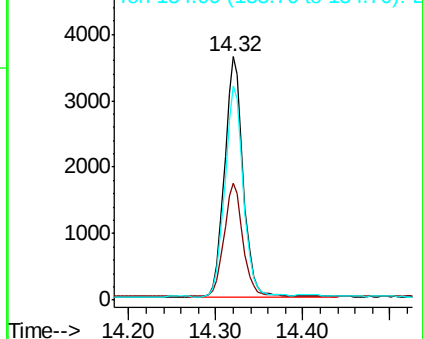
153 100

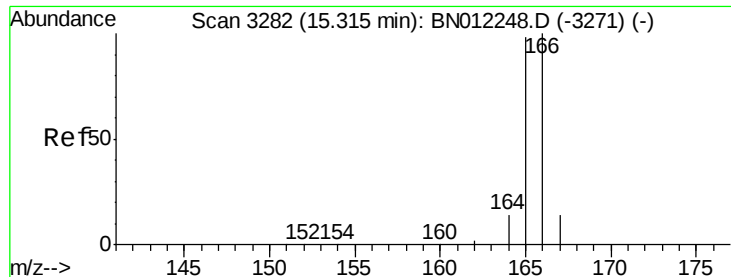
152 48.3 38.2 57.2

154 87.8 71.1 106.7



Abundance Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E  
Ion 154.00 (153.70 to 154.70): E

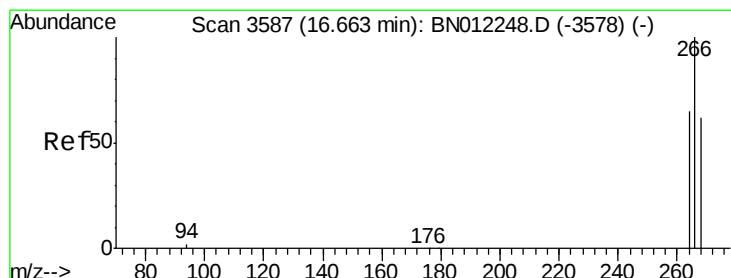
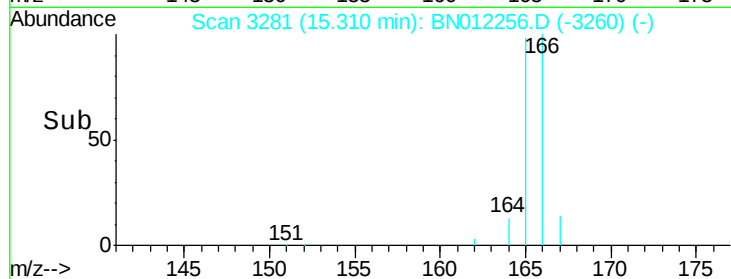
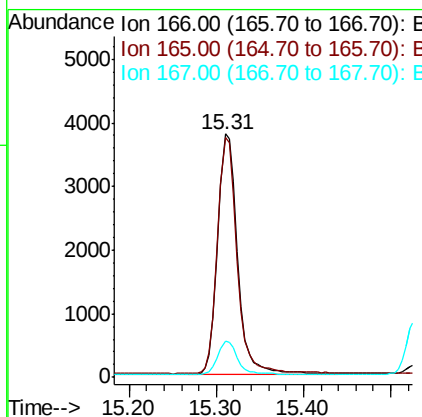
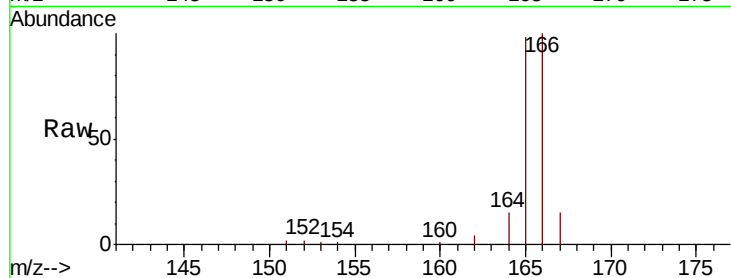




#9  
**Fluorene**  
 Concen: 0.397 ng/ul  
 RT: 15.31 min Scan# 3281  
 Delta R.T. -0.00 min  
 Lab File: BN012256.D  
 Acq: 16 Oct 2020 06:39

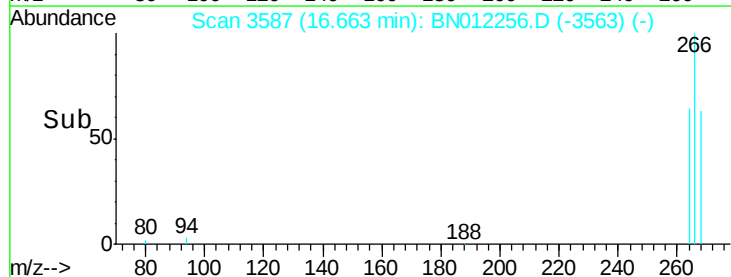
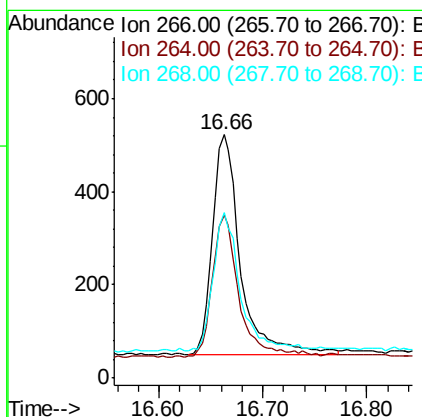
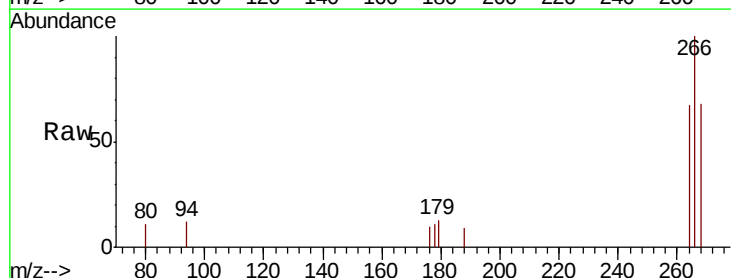
Instrument :  
 BNA\_N  
 ClientSampleId :  
 SST00.420

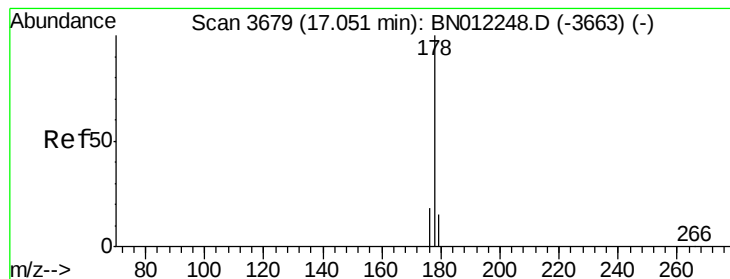
Tot Ion:166 Resp: 5987  
 Ion Ratio Lower Upper  
 166 100  
 165 98.5 78.6 118.0  
 167 14.9 11.9 17.9



#11  
**Pentachlorophenol**  
 Concen: 0.391 ng/ul  
 RT: 16.66 min Scan# 3587  
 Delta R.T. 0.00 min  
 Lab File: BN012256.D  
 Acq: 16 Oct 2020 06:39

Tgt Ion:266 Resp: 873  
 Ion Ratio Lower Upper  
 266 100  
 264 62.4 50.3 75.5  
 268 62.7 52.4 78.6





#12

Phenanthrene

Concen: 0.388 ng/ul

RT: 17.05 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BN012256.D

Acq: 16 Oct 2020 06:39

Instrument :

BNA\_N

ClientSampleId :

SSTD0.420

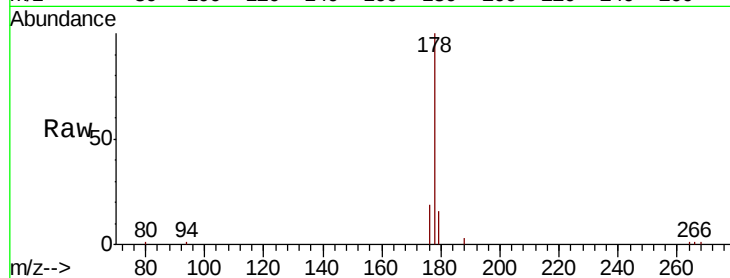
Tot Ion:178 Resp: 9541

Ion Ratio Lower Upper

178 100

179 16.5 13.4 20.2

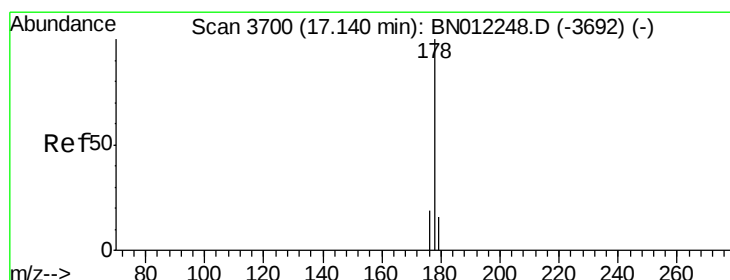
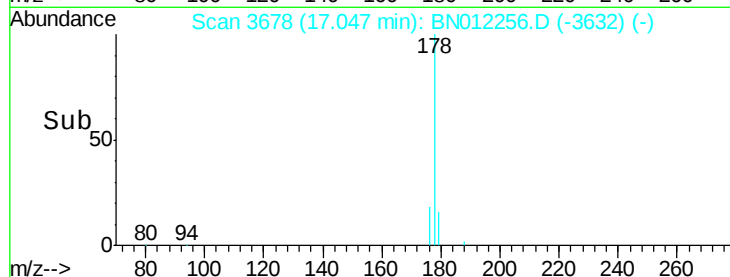
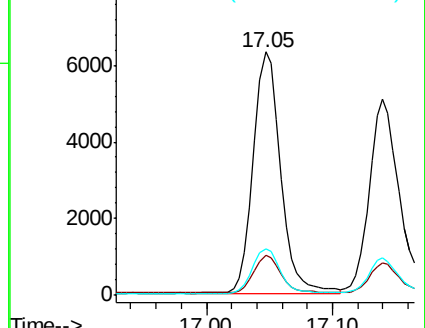
176 19.2 15.7 23.5



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: 0.403 ng/ul

RT: 17.14 min Scan# 3700

Delta R.T. 0.00 min

Lab File: BN012256.D

Acq: 16 Oct 2020 06:39

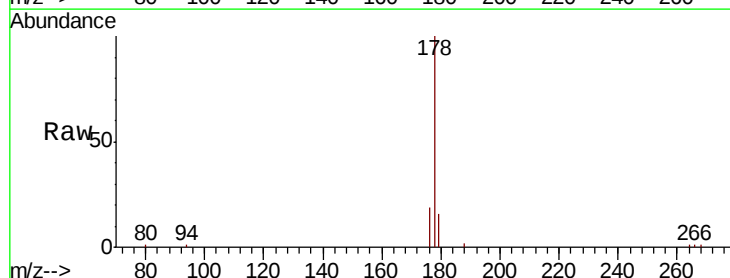
Tgt Ion:178 Resp: 8500

Ion Ratio Lower Upper

178 100

179 16.2 13.9 20.9

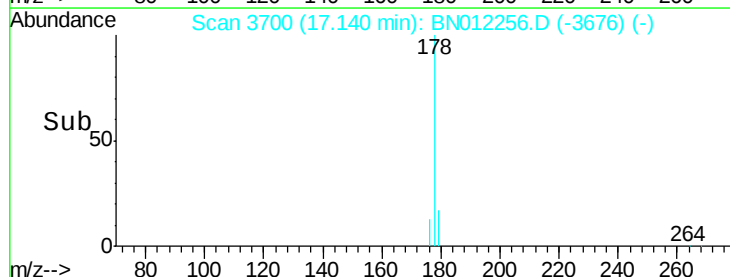
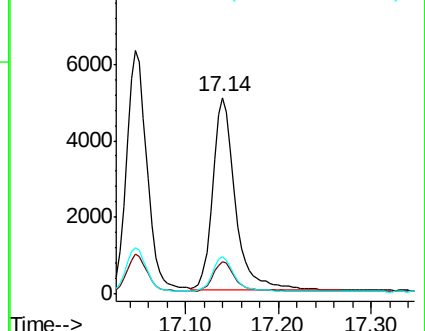
176 18.9 15.4 23.0

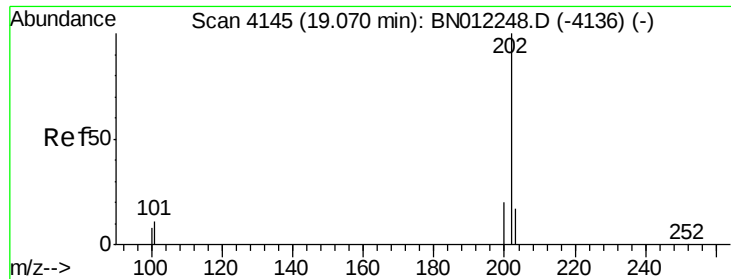


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.377 ng/ul

RT: 19.07 min Scan# 4145

Delta R.T. 0.00 min

Lab File: BN012256.D

Acq: 16 Oct 2020 06:39

Instrument :

BNA\_N

ClientSampleId :

SSTD0.420

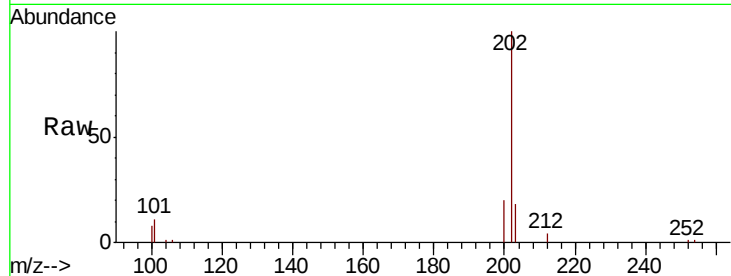
Tot Ion:202 Resp: 10847

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.0

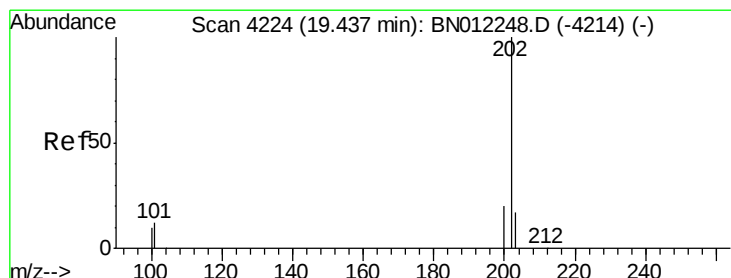
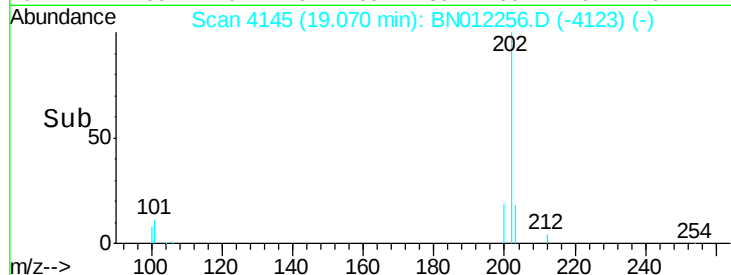
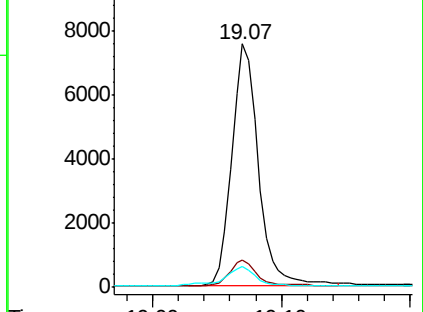
100 8.3 0.0 28.7



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: 0.382 ng/ul

RT: 19.44 min Scan# 4224

Delta R.T. 0.00 min

Lab File: BN012256.D

Acq: 16 Oct 2020 06:39

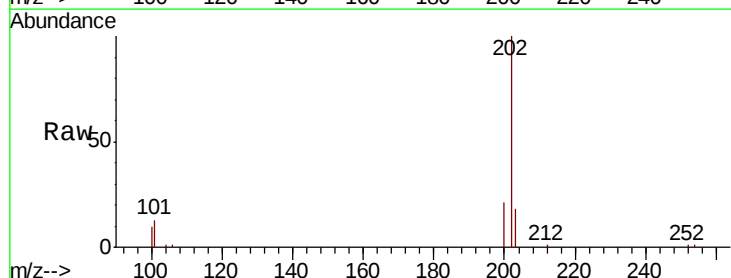
Tgt Ion:202 Resp: 11184

Ion Ratio Lower Upper

202 100

101 12.6 9.9 14.9

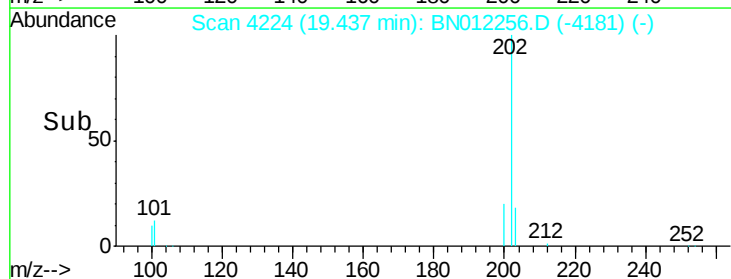
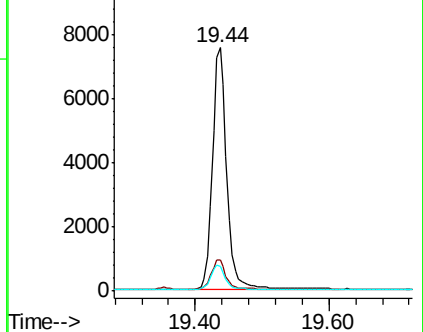
100 10.2 8.0 12.0

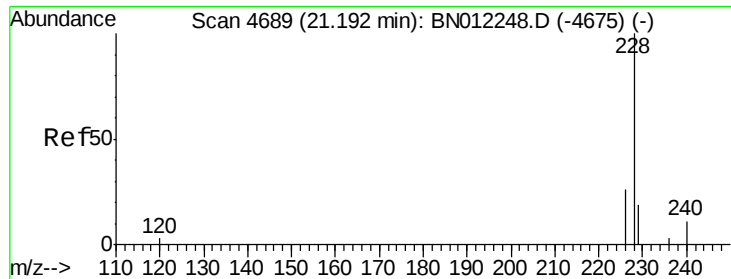


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.394 ng/ul

RT: 21.19 min Scan# 4689

Delta R.T. 0.00 min

Lab File: BN012256.D

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SSTD0.420

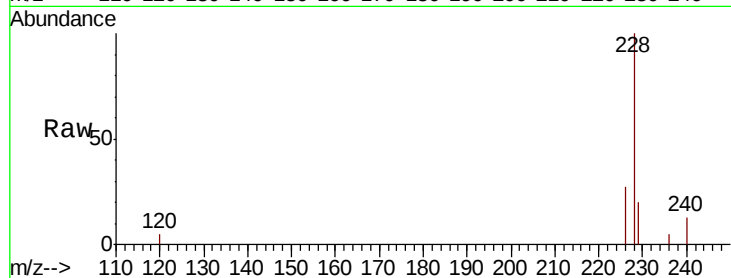
Tot Ion:228 Resp: 9490

Ion Ratio Lower Upper

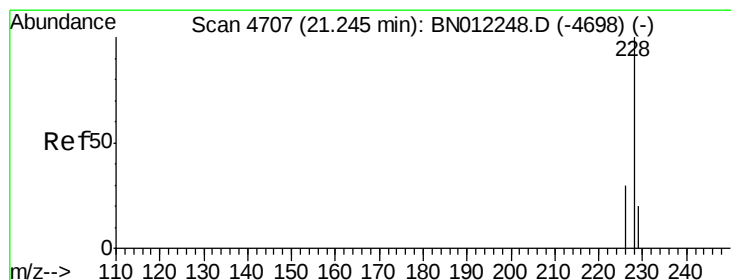
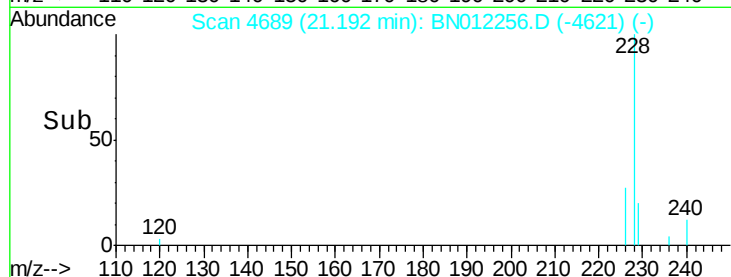
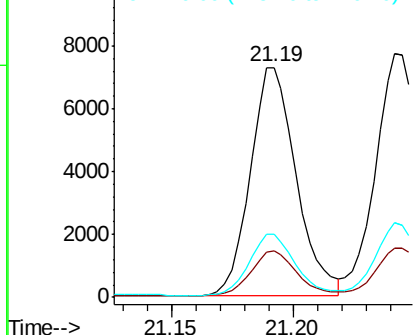
228 100

229 20.3 15.8 23.8

226 27.5 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: 0.374 ng/ul

RT: 21.24 min Scan# 4706

Delta R.T. -0.00 min

Lab File: BN012256.D

Acq: 16 Oct 2020 06:39

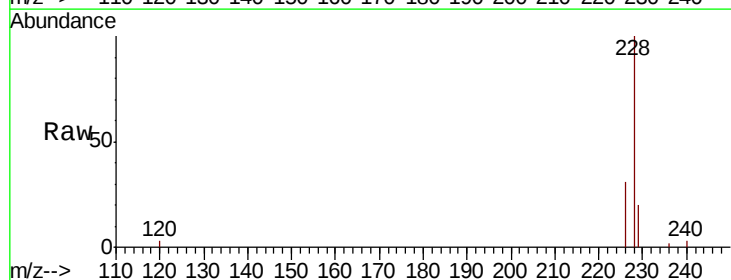
Tgt Ion:228 Resp: 10961

Ion Ratio Lower Upper

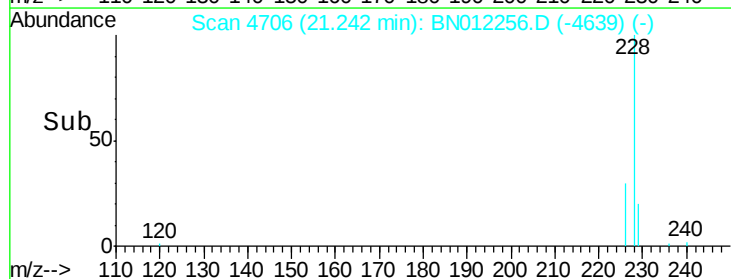
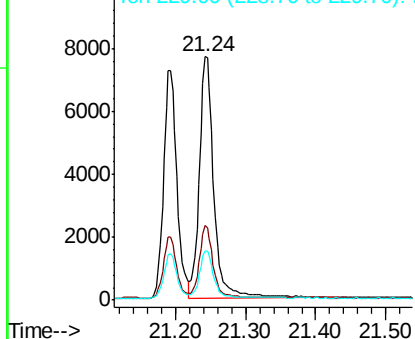
228 100

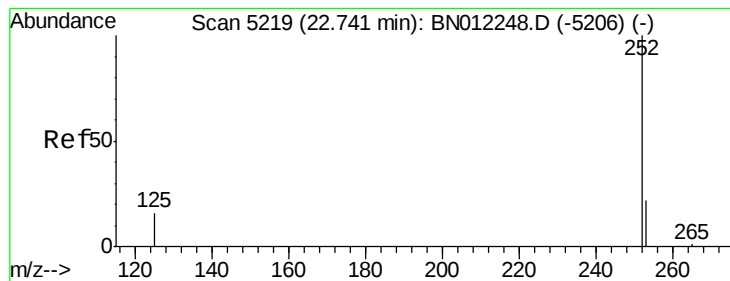
226 30.7 24.6 37.0

229 20.3 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: 0.399 ng/u1

RT: 22.74 min Scan# 5219

Delta R.T. 0.00 min

Lab File: BN012256.D

Acq: 16 Oct 2020 06:39

Instrument :

BNA\_N

ClientSampleId :

SSTD0.420

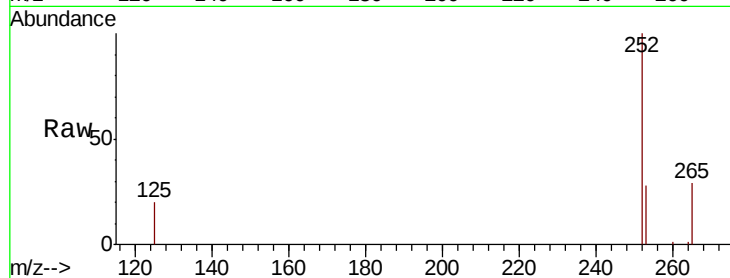
Tot Ion:252 Resp: 10689

Ion Ratio Lower Upper

252 100

253 28.3 0.0 61.6

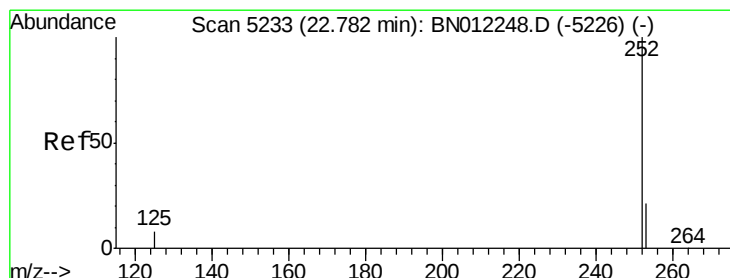
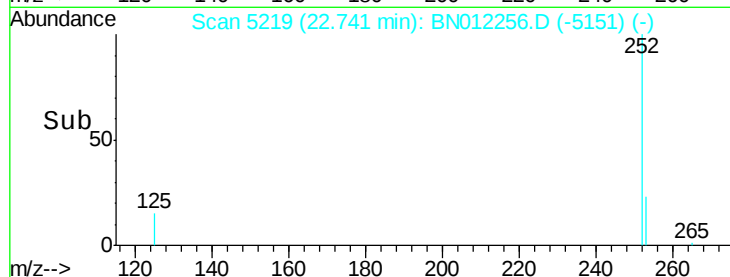
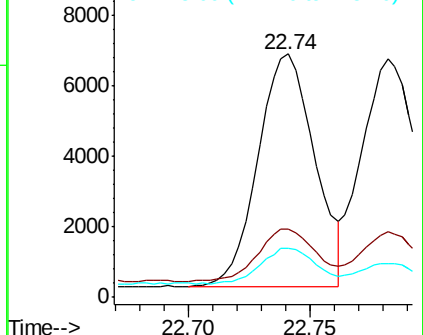
125 20.3 0.0 36.8



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: 0.380 ng/u1

RT: 22.78 min Scan# 5233

Delta R.T. 0.00 min

Lab File: BN012256.D

Acq: 16 Oct 2020 06:39

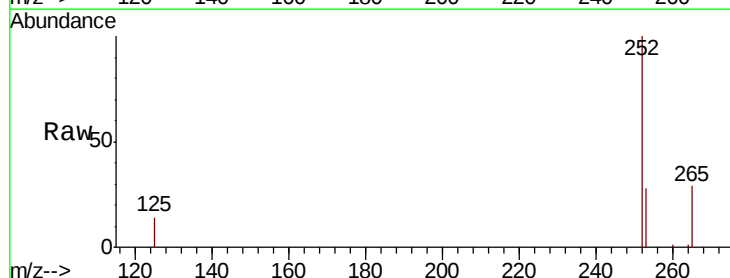
Tgt Ion:252 Resp: 11279

Ion Ratio Lower Upper

252 100

253 27.6 24.4 36.6

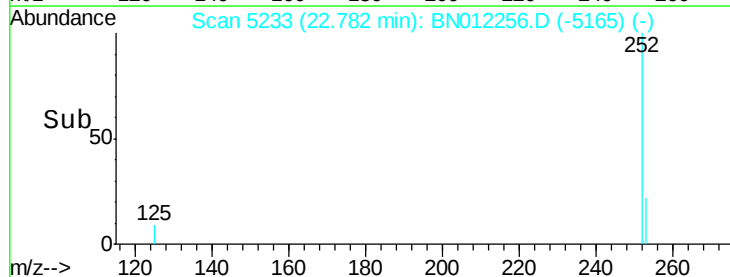
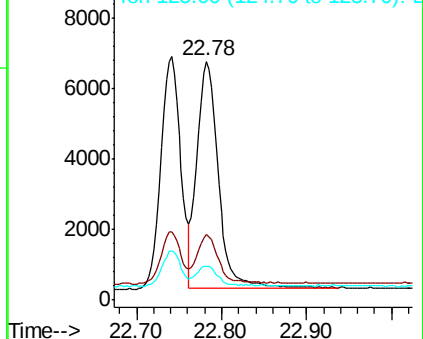
125 14.1 12.9 19.3

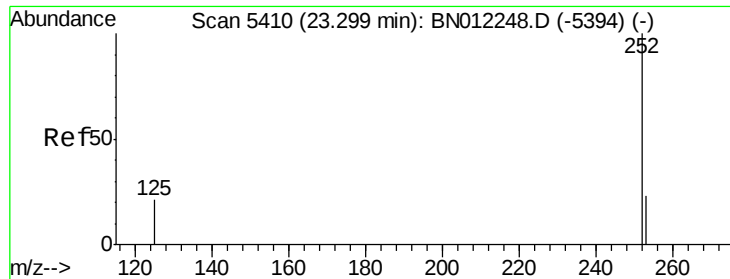


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.389 ng/ul

RT: 23.30 min Scan# 5410

Delta R.T. 0.00 min

Lab File: BN012256.D

Acq: 16 Oct 2020 06:39

Instrument :

BNA\_N

ClientSampleId :

SSTD0.420

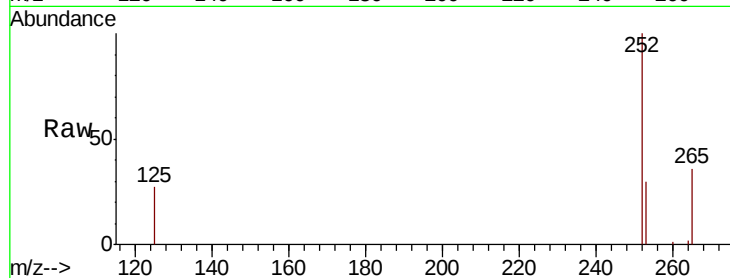
Tot Ion:252 Resp: 10136

Ion Ratio Lower Upper

252 100

253 30.3 27.0 40.4

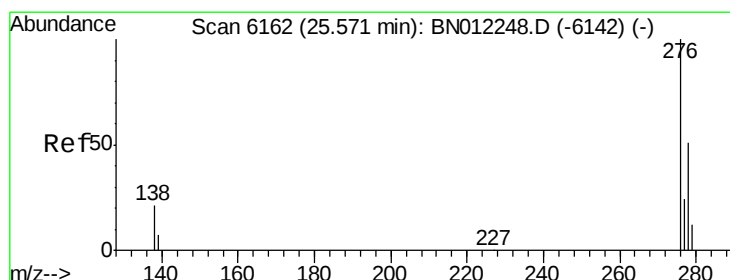
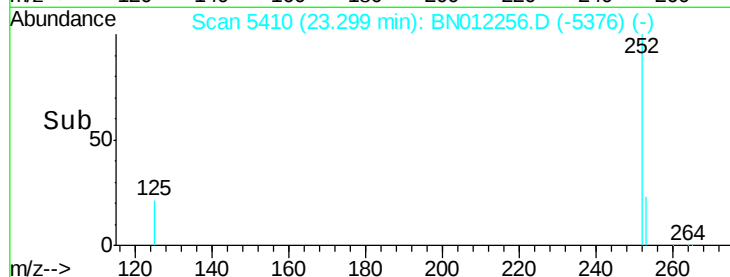
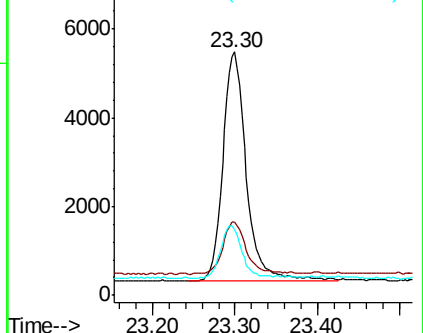
125 27.1 18.8 28.2



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: 0.386 ng/ul

RT: 25.57 min Scan# 6163

Delta R.T. 0.00 min

Lab File: BN012256.D

Acq: 16 Oct 2020 06:39

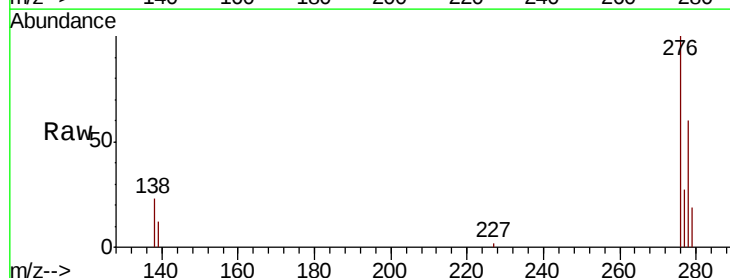
Tgt Ion:276 Resp: 12930

Ion Ratio Lower Upper

276 100

138 21.8 0.0 0.0#

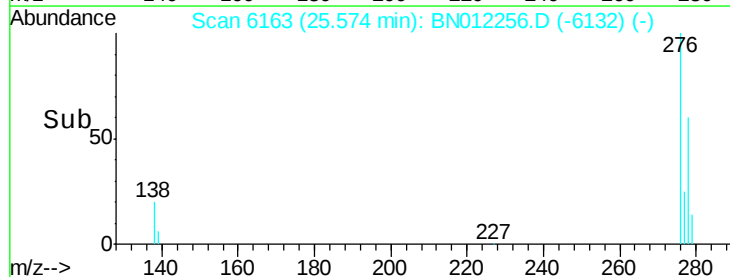
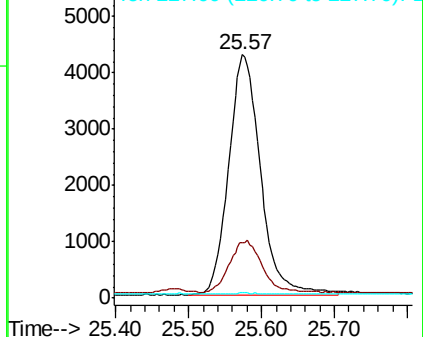
227 0.2 0.0 0.0#

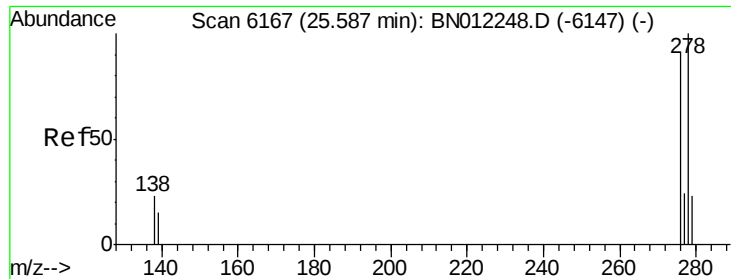


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

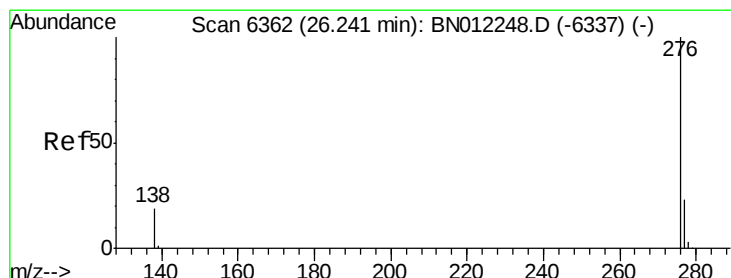
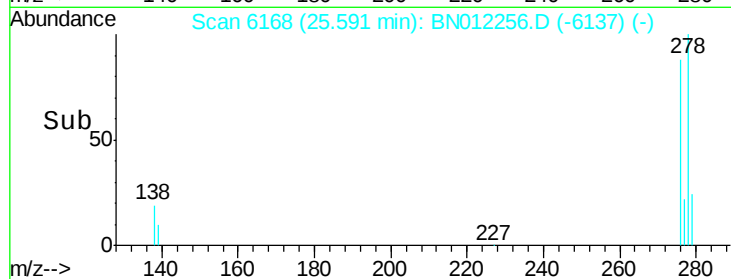
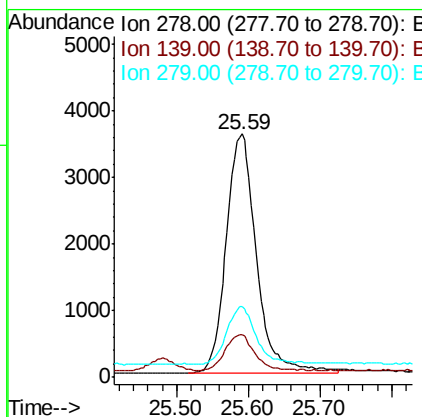
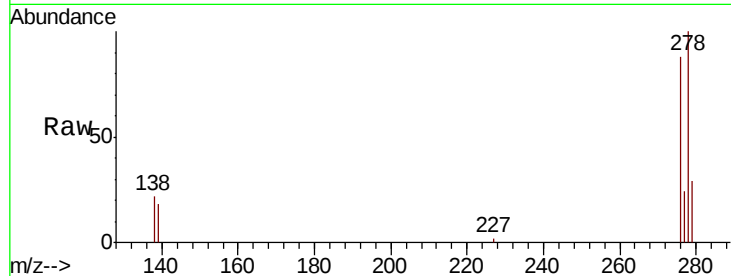




#25  
Dibenzo(a,h)anthracene  
Concen: 0.392 ng/ul  
RT: 25.59 min Scan# 6168  
Delta R.T. 0.00 min  
Lab File: BN012256.D  
Acq: 16 Oct 2020 06:39

Instrument :  
BNA\_N  
ClientSampleId :  
SSTD0.420

Tot Ion:278 Resp: 10502  
Ion Ratio Lower Upper  
278 100  
139 17.6 15.7 23.5  
279 29.2 26.0 39.0



#26  
Benzo(g,h,i)perylene  
Concen: 0.372 ng/ul  
RT: 26.24 min Scan# 6361  
Delta R.T. -0.00 min  
Lab File: BN012256.D  
Acq: 16 Oct 2020 06:39

Tgt Ion:276 Resp: 11410  
Ion Ratio Lower Upper  
276 100  
138 20.8 17.1 25.7  
277 25.9 21.1 31.7

