

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101920\  
 Data File : BN012373.D  
 Acq On : 20 Oct 2020 04:49  
 Operator : CG/JU  
 Sample : SSTDCCC0.4EC  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Oct 20 08:26:05 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 : Tue Oct 20 08:18:15 2020  
 Response via : Initial Calibration

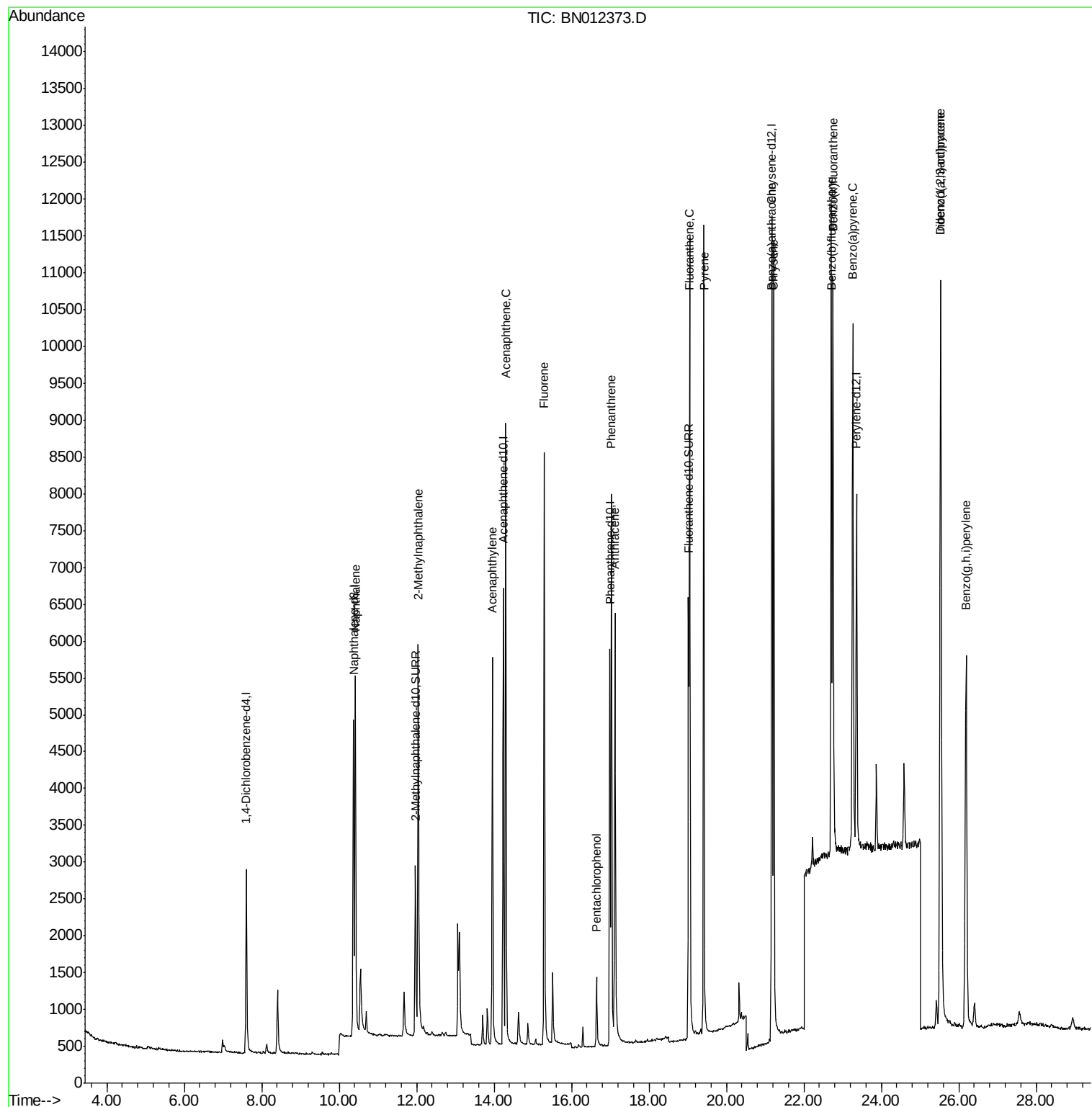
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.60  | 152  | 1499     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.37 | 136  | 6488     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.24 | 164  | 3584     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 16.99 | 188  | 7090     | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.18 | 240  | 6046     | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.36 | 264  | 6320     | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.96 | 152  | 3904     | 0.41   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.02 | 212  | 7172     | 0.37   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 3) Naphthalene              | 10.42 | 128  | 7315     | 0.391  | ng/ul  | 99       |
| 5) 2-Methylnaphthalene      | 12.04 | 142  | 4788     | 0.403  | ng/ul  | 99       |
| 7) Acenaphthylene           | 13.95 | 152  | 6353     | 0.409  | ng/ul  | 100      |
| 8) Acenaphthene             | 14.30 | 153  | 5209     | 0.396  | ng/ul  | 99       |
| 9) Fluorene                 | 15.29 | 166  | 5768     | 0.394  | ng/ul  | 97       |
| 11) Pentachlorophenol       | 16.65 | 266  | 804      | 0.392  | ng/ul  | 99       |
| 12) Phenanthrene            | 17.03 | 178  | 8750     | 0.387  | ng/ul  | 99       |
| 13) Anthracene              | 17.12 | 178  | 7863     | 0.406  | ng/ul  | 100      |
| 15) Fluoranthene            | 19.05 | 202  | 9815     | 0.371  | ng/ul  | 99       |
| 17) Pyrene                  | 19.41 | 202  | 10211    | 0.375  | ng/ul  | 97       |
| 18) Benzo(a)anthracene      | 21.17 | 228  | 8886     | 0.397  | ng/ul  | 98       |
| 19) Chrysene                | 21.22 | 228  | 10104    | 0.370  | ng/ul  | 99       |
| 21) Benzo(b)fluoranthene    | 22.71 | 252  | 10028    | 0.393  | ng/ul  | 96       |
| 22) Benzo(k)fluoranthene    | 22.75 | 252  | 10666    | 0.377  | ng/ul  | 99       |
| 23) Benzo(a)pyrene          | 23.26 | 252  | 9710     | 0.391  | ng/ul# | 93       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.52 | 276  | 11974    | 0.375  | ng/ul  | 98       |
| 25) Dibenzo(a,h)anthracene  | 25.54 | 278  | 9712     | 0.381  | ng/ul  | 98       |
| 26) Benzo(g,h,i)perylene    | 26.18 | 276  | 10503    | 0.359  | ng/ul  | 99       |

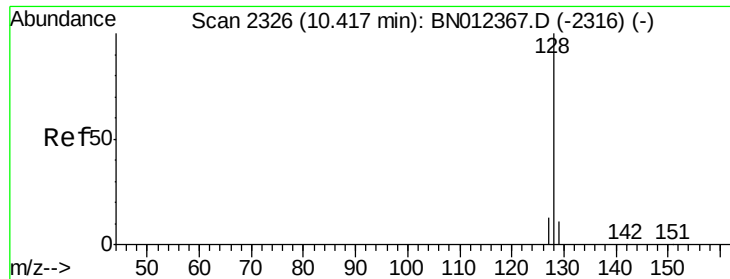
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101920\  
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Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampled :

Quant Time: Oct 20 08:26:05 2020  
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QLast Update : Tue Oct 20 08:18:15 2020  
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.391 ng/ul

RT: 10.42 min Scan# 2326

Delta R.T. -0.00 min

Lab File: BN012373.D

Acq: 20 Oct 2020 04:49

Instrument :

BNA\_N

ClientSampleId :

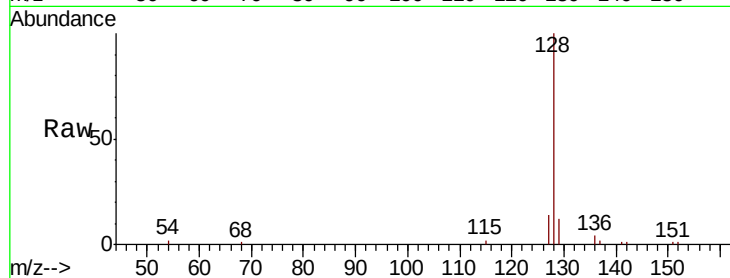
Tot Ion:128 Resp: 7315

Ion Ratio Lower Upper

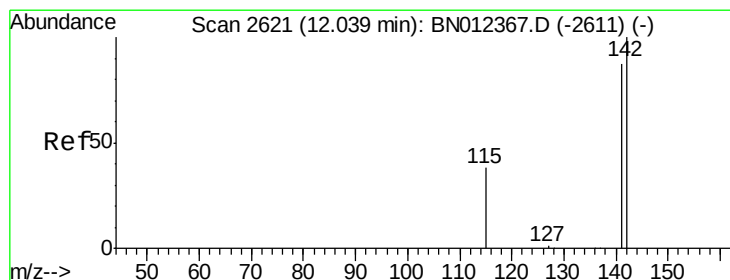
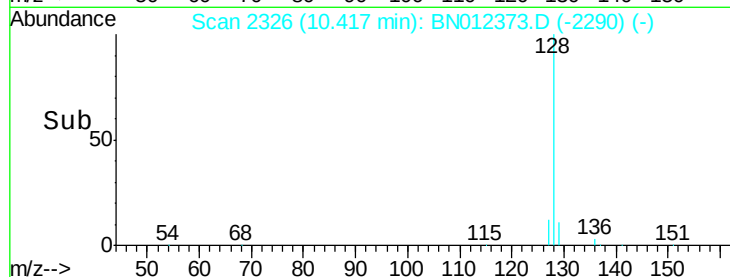
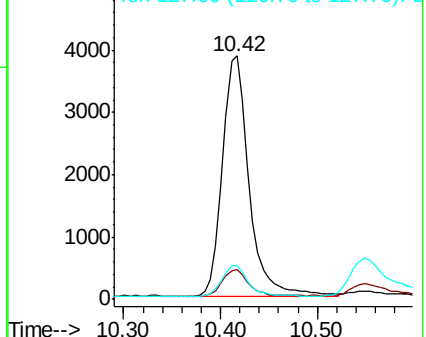
128 100

129 12.2 9.8 14.6

127 13.6 11.4 17.2



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: 0.403 ng/ul

RT: 12.04 min Scan# 2621

Delta R.T. -0.00 min

Lab File: BN012373.D

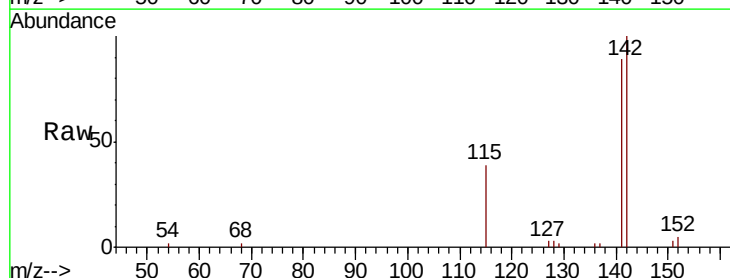
Acq: 20 Oct 2020 04:49

Tgt Ion:142 Resp: 4788

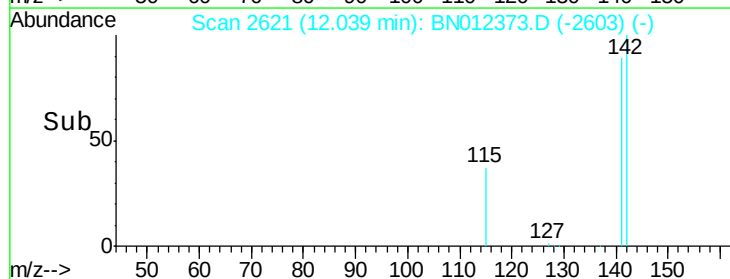
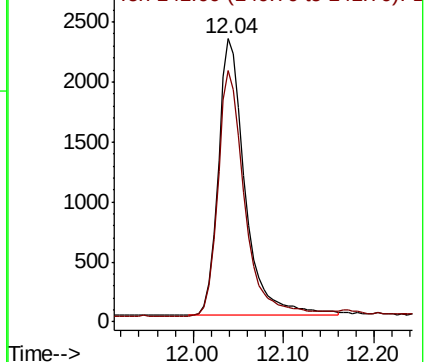
Ion Ratio Lower Upper

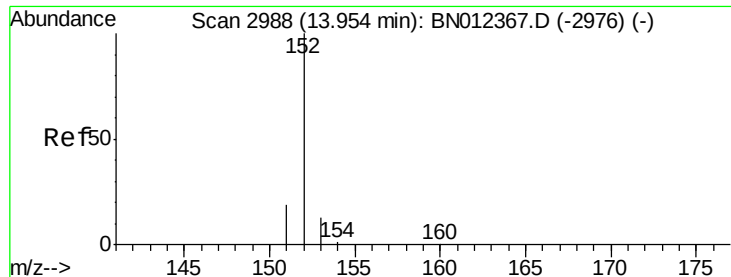
142 100

141 89.8 70.8 106.2



Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.409 ng/ul

RT: 13.95 min Scan# 2988

Delta R.T. -0.00 min

Lab File: BN012373.D

Acq: 20 Oct 2020 04:49

Instrument :

BNA\_N

ClientSampleId :

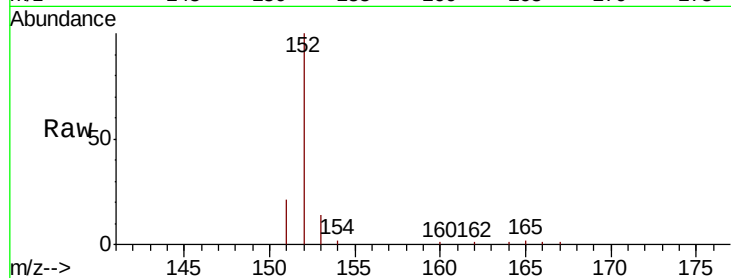
Tot Ion:152 Resp: 6353

Ion Ratio Lower Upper

152 100

151 20.7 16.6 24.8

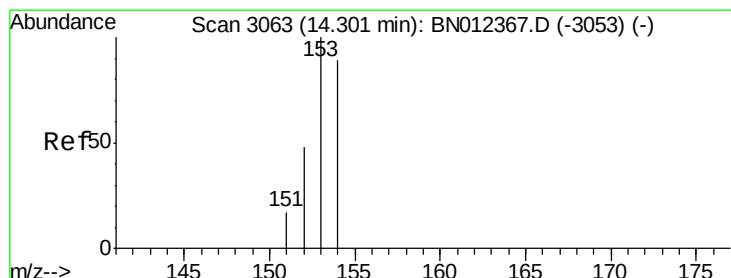
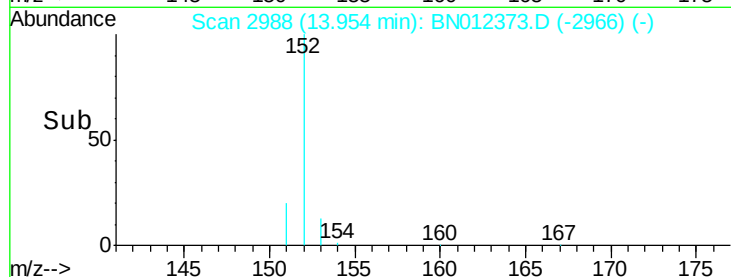
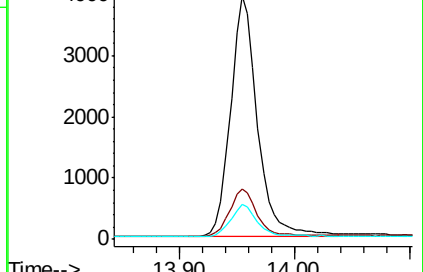
153 14.5 11.4 17.0



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: 0.396 ng/ul

RT: 14.30 min Scan# 3063

Delta R.T. -0.00 min

Lab File: BN012373.D

Acq: 20 Oct 2020 04:49

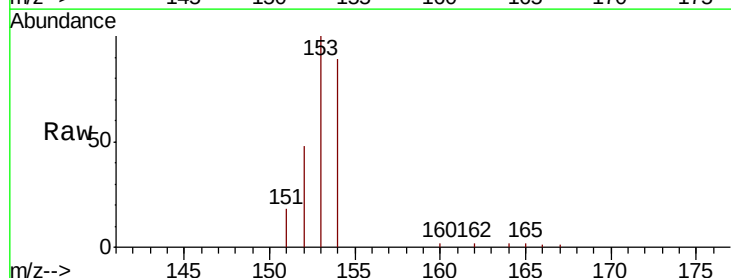
Tgt Ion:153 Resp: 5209

Ion Ratio Lower Upper

153 100

152 48.1 38.5 57.7

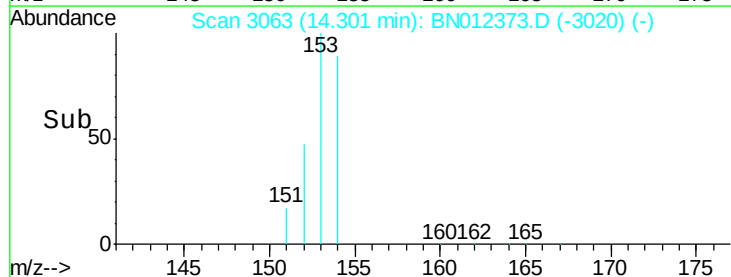
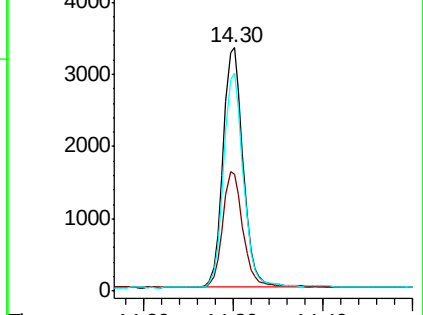
154 89.5 70.7 106.1

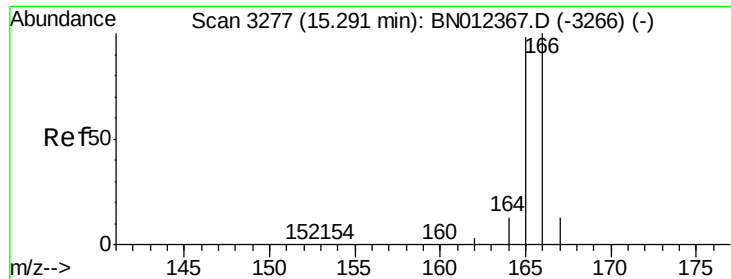


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

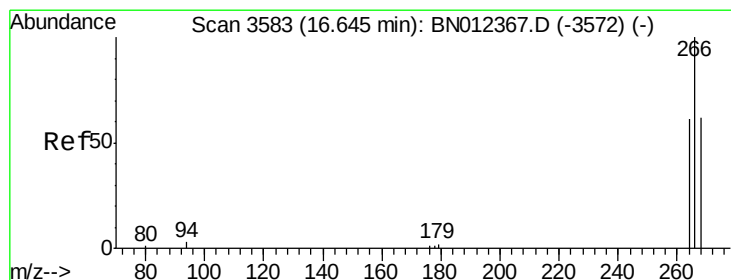
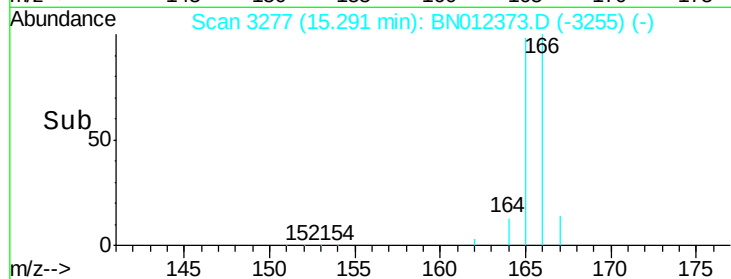
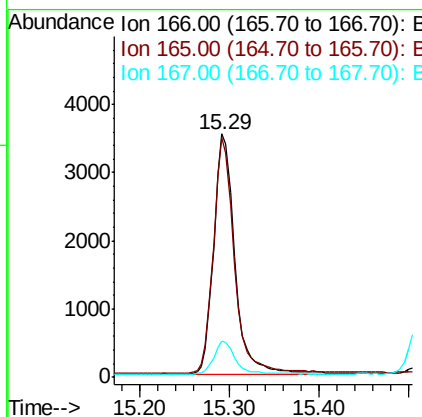
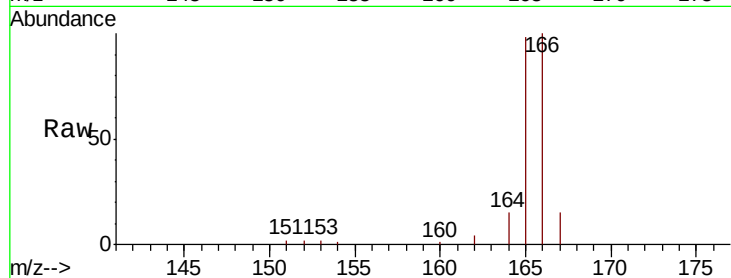




#9  
**Fluorene**  
 Concen: 0.394 ng/ul  
 RT: 15.29 min Scan# 3277  
 Delta R.T. -0.00 min  
 Lab File: BN012373.D  
 Acq: 20 Oct 2020 04:49

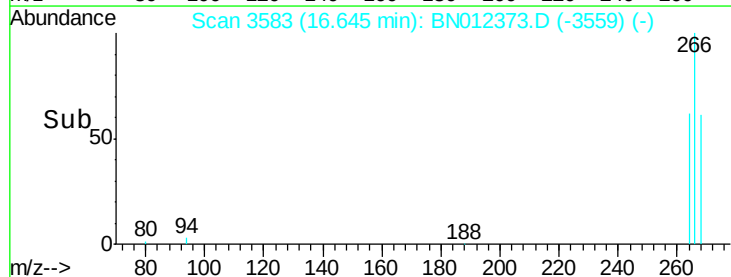
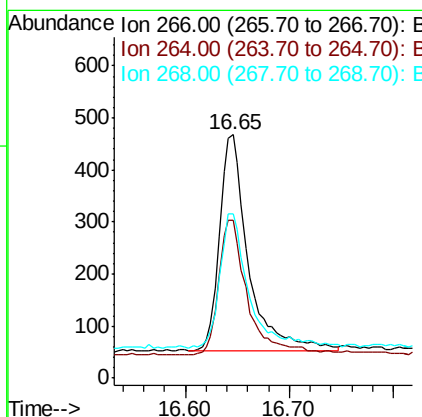
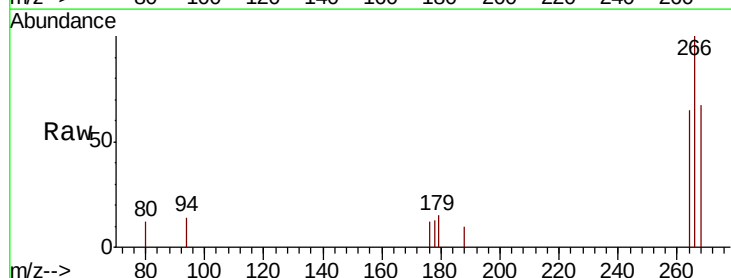
Instrument :  
 BNA\_N  
 ClientSampleId :

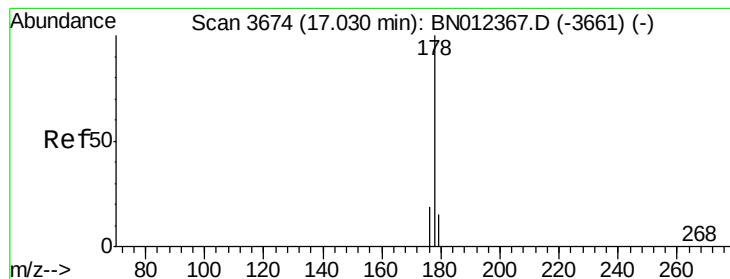
Tot Ion:166 Resp: 5768  
 Ion Ratio Lower Upper  
 166 100  
 165 98.3 76.3 114.5  
 167 14.8 12.0 18.0



#11  
**Pentachlorophenol**  
 Concen: 0.392 ng/ul  
 RT: 16.65 min Scan# 3583  
 Delta R.T. -0.00 min  
 Lab File: BN012373.D  
 Acq: 20 Oct 2020 04:49

Tgt Ion:266 Resp: 804  
 Ion Ratio Lower Upper  
 266 100  
 264 63.2 49.5 74.3  
 268 63.3 50.5 75.7





#12

Phenanthrene

Concen: 0.387 ng/ul

RT: 17.03 min Scan# 3674

Delta R.T. -0.00 min

Lab File: BN012373.D

Acq: 20 Oct 2020 04:49

Instrument :

BNA\_N

ClientSampleId :

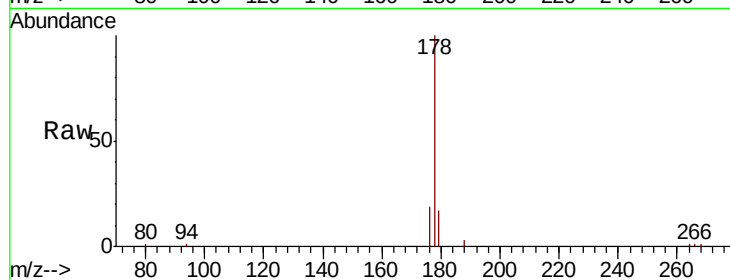
Tot Ion:178 Resp: 8750

Ion Ratio Lower Upper

178 100

179 17.0 13.1 19.7

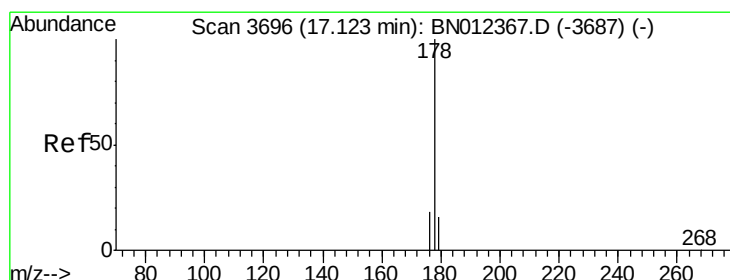
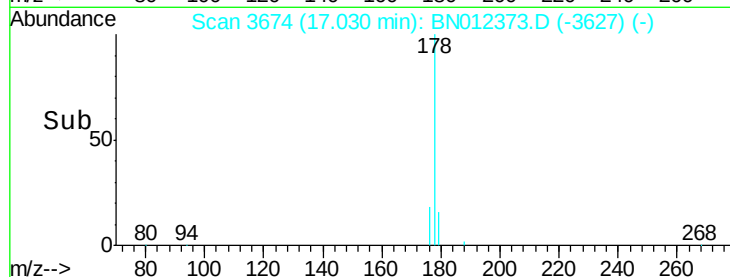
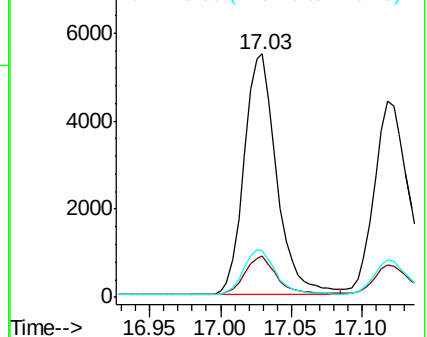
176 19.1 15.8 23.8



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: 0.406 ng/ul

RT: 17.12 min Scan# 3695

Delta R.T. -0.00 min

Lab File: BN012373.D

Acq: 20 Oct 2020 04:49

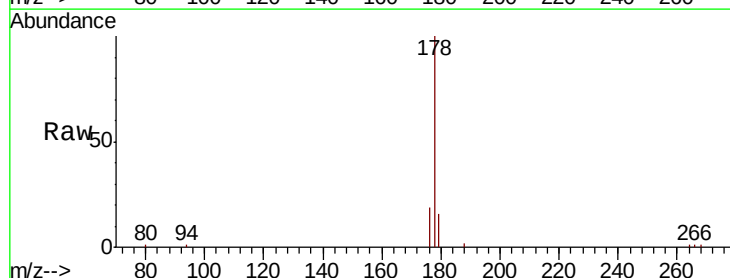
Tgt Ion:178 Resp: 7863

Ion Ratio Lower Upper

178 100

179 16.3 13.1 19.7

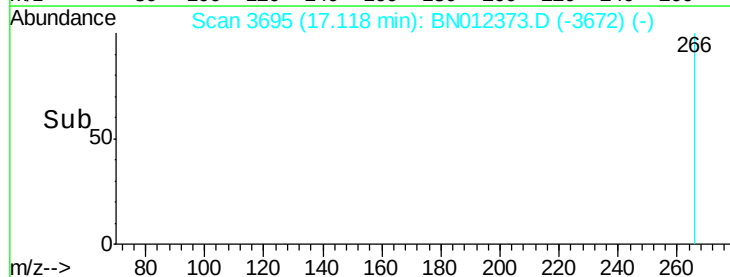
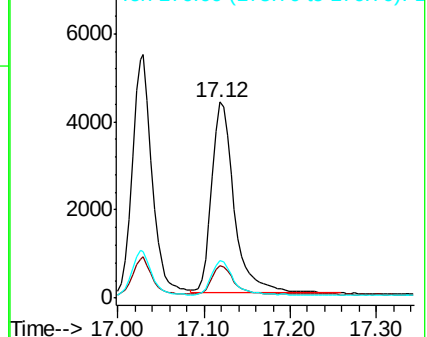
176 19.3 15.4 23.2

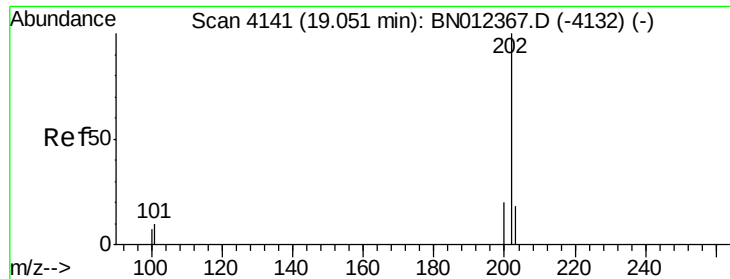


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

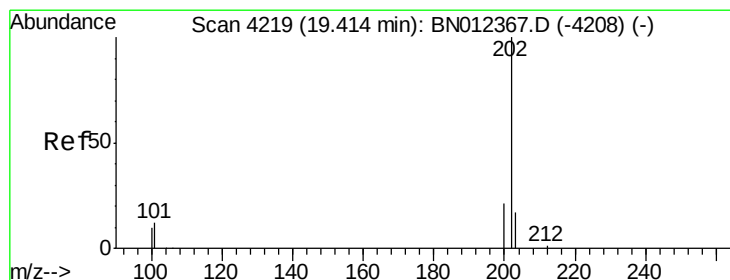
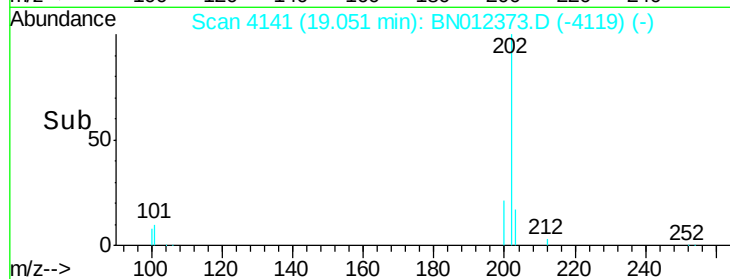
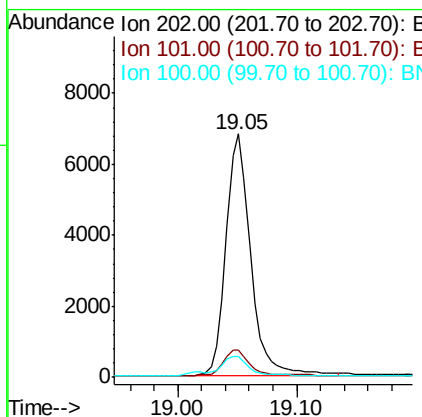
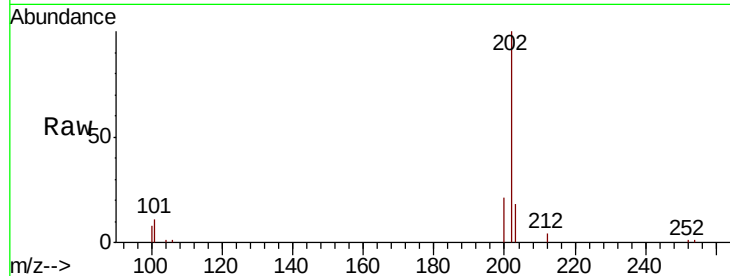




#15  
**Fluoranthene**  
 Concen: 0.371 ng/ul  
 RT: 19.05 min Scan# 4141  
 Delta R.T. -0.00 min  
 Lab File: BN012373.D  
 Acq: 20 Oct 2020 04:49

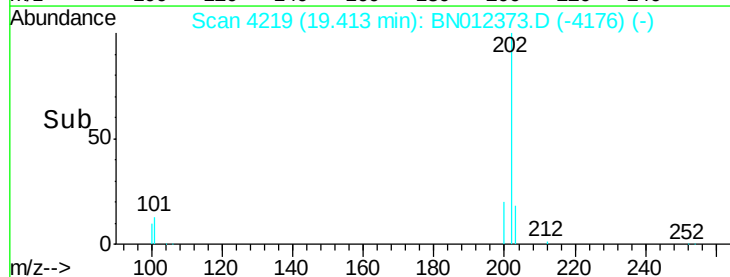
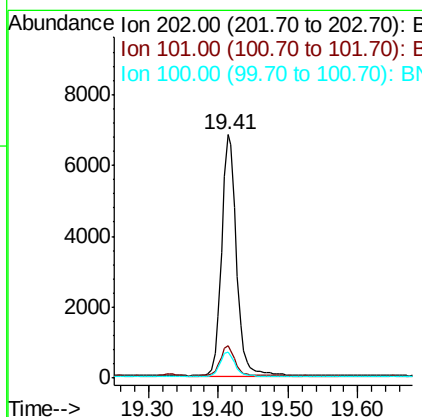
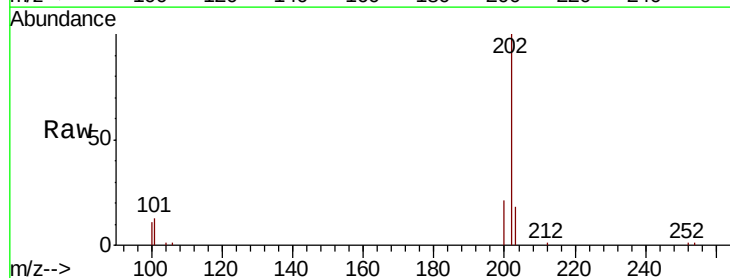
Instrument :  
 BNA\_N  
 ClientSampleId :

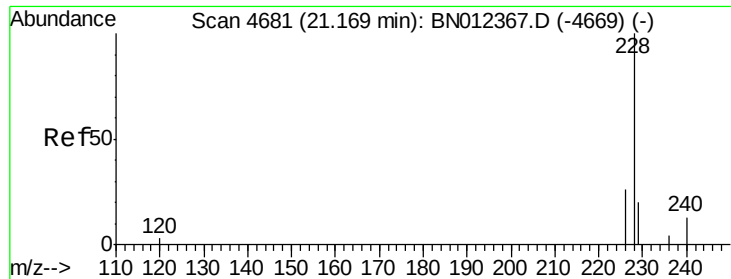
Tot Ion:202 Resp: 9815  
 Ion Ratio Lower Upper  
 202 100  
 101 11.0 0.0 31.1  
 100 8.3 0.0 28.7



#17  
**Pyrene**  
 Concen: 0.375 ng/ul  
 RT: 19.41 min Scan# 4219  
 Delta R.T. -0.00 min  
 Lab File: BN012373.D  
 Acq: 20 Oct 2020 04:49

Tgt Ion:202 Resp: 10211  
 Ion Ratio Lower Upper  
 202 100  
 101 13.3 9.6 14.4  
 100 10.9 7.8 11.8





#18

Benzo(a)anthracene

Concen: 0.397 ng/ul

RT: 21.17 min Scan# 4681

Delta R.T. -0.00 min

Lab File: BN012373.D

Acq: 20 Oct 2020 04:49

Instrument :

BNA\_N

ClientSampleId :

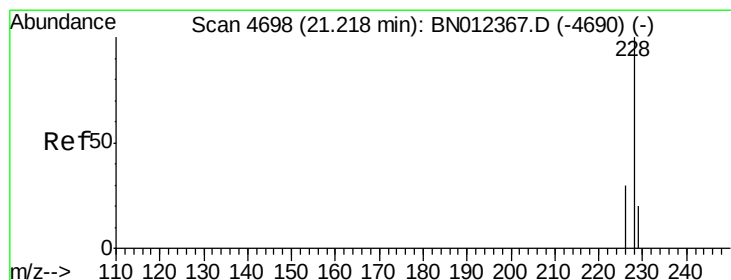
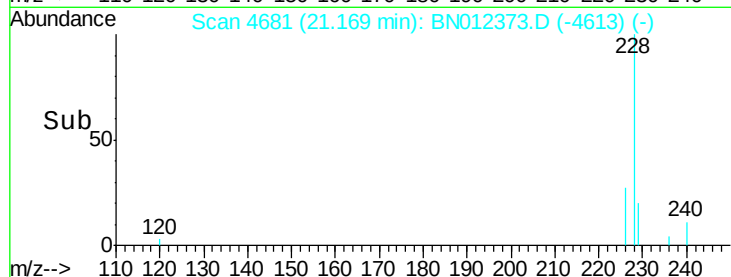
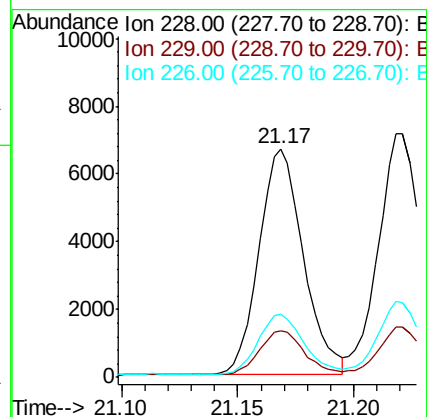
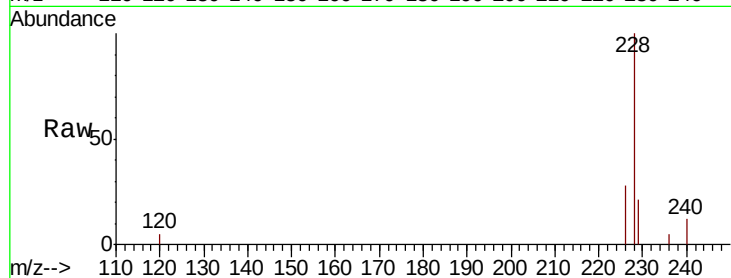
Tot Ion:228 Resp: 8886

Ion Ratio Lower Upper

228 100

229 20.6 16.2 24.4

226 27.8 21.2 31.8



#19

Chrysene

Concen: 0.370 ng/ul

RT: 21.22 min Scan# 4699

Delta R.T. 0.00 min

Lab File: BN012373.D

Acq: 20 Oct 2020 04:49

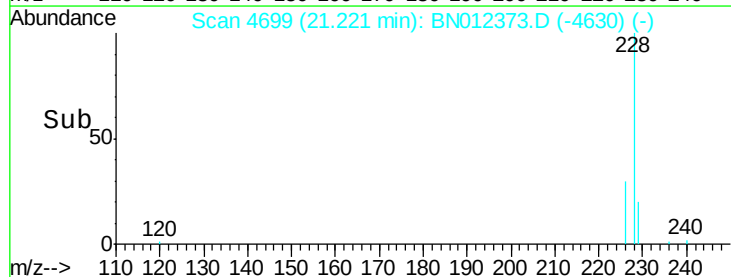
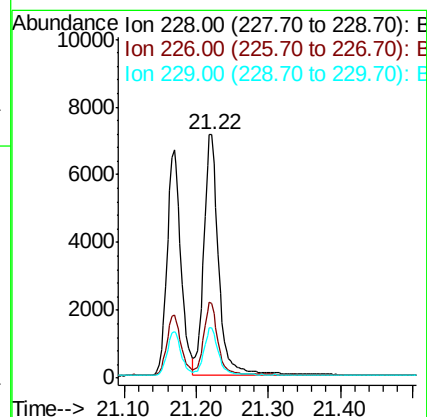
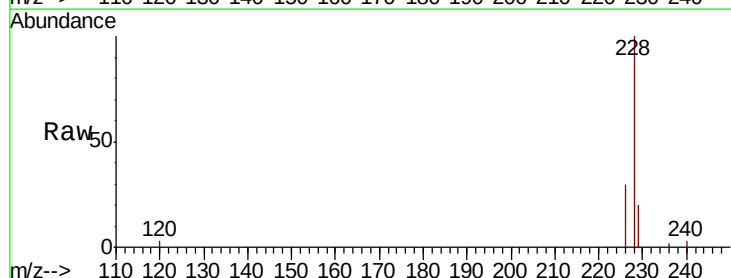
Tgt Ion:228 Resp: 10104

Ion Ratio Lower Upper

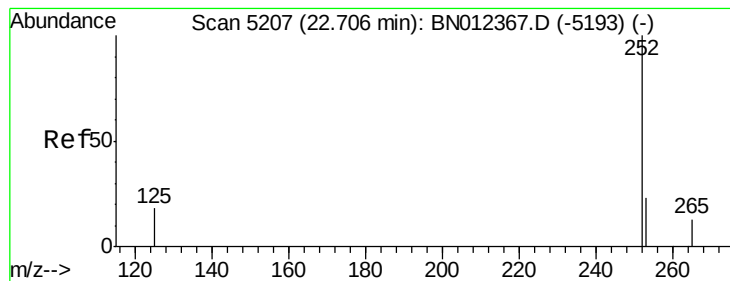
228 100

226 30.5 23.8 35.6

229 20.4 15.8 23.8







#21

Benzo(b)fluoranthene

Concen: 0.393 ng/ul

RT: 22.71 min Scan# 5208

Delta R.T. 0.00 min

Lab File: BN012373.D

Acq: 20 Oct 2020 04:49

Instrument :

BNA\_N

ClientSampleId :

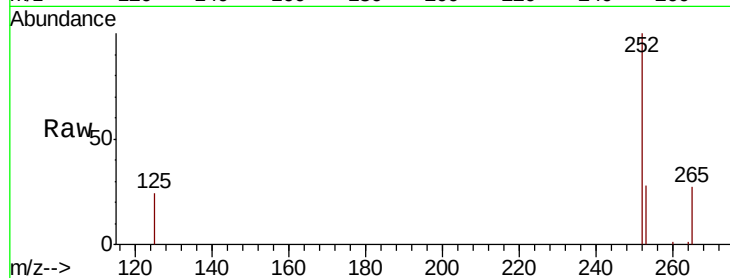
Tot Ion:252 Resp: 10028

Ion Ratio Lower Upper

252 100

253 28.4 0.0 56.4

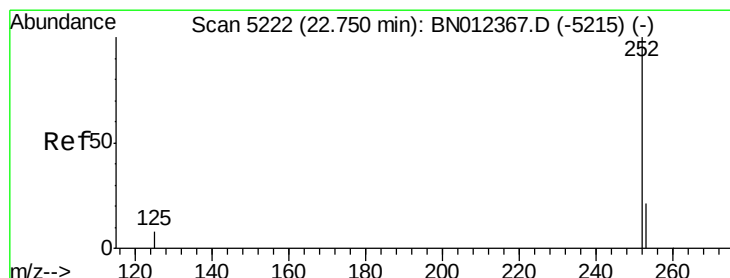
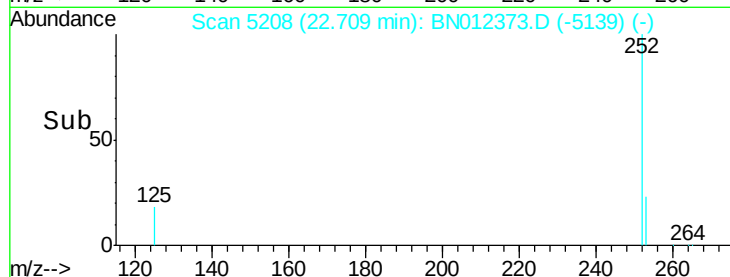
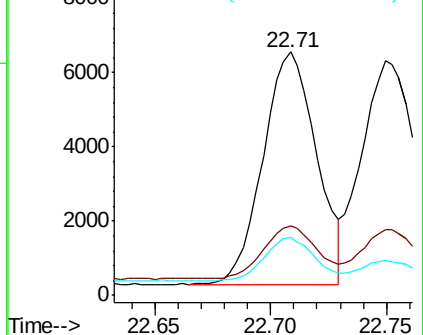
125 23.6 0.0 37.8



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: 0.377 ng/ul

RT: 22.75 min Scan# 5222

Delta R.T. -0.00 min

Lab File: BN012373.D

Acq: 20 Oct 2020 04:49

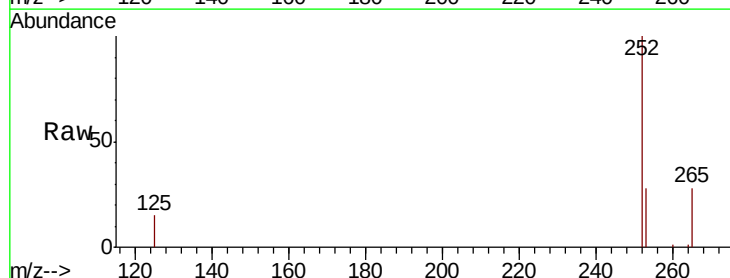
Tgt Ion:252 Resp: 10666

Ion Ratio Lower Upper

252 100

253 27.9 22.2 33.4

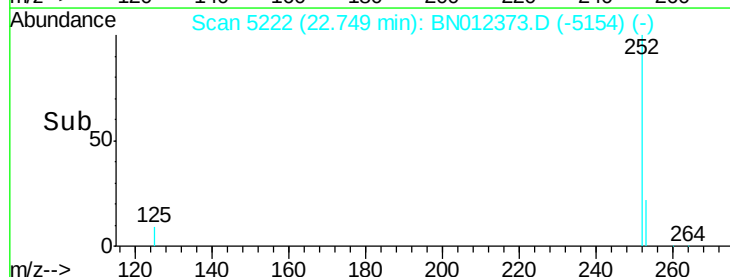
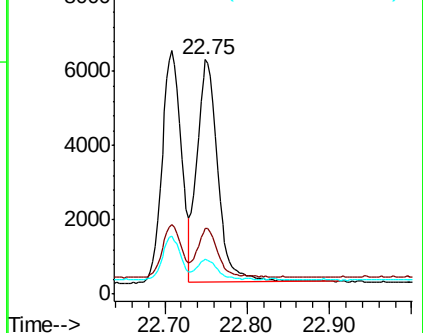
125 15.0 11.0 16.4

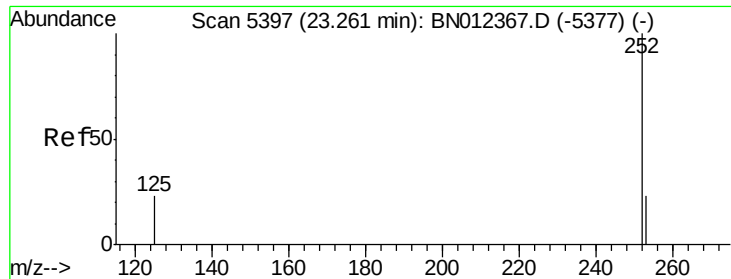


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.391 ng/ul

RT: 23.26 min Scan# 5397

Delta R.T. -0.00 min

Lab File: BN012373.D

Acq: 20 Oct 2020 04:49

Instrument :

BNA\_N

ClientSampleId :

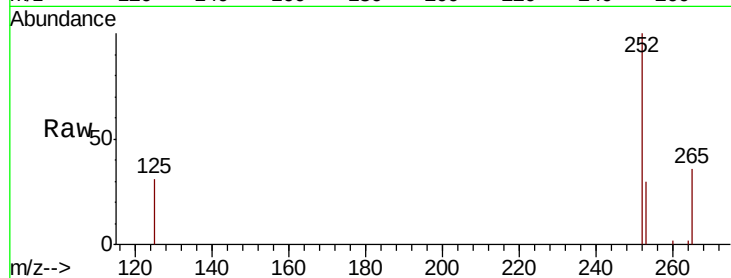
Tot Ion:252 Resp: 9710

Ion Ratio Lower Upper

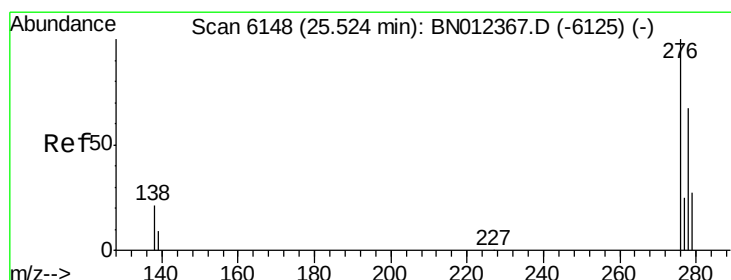
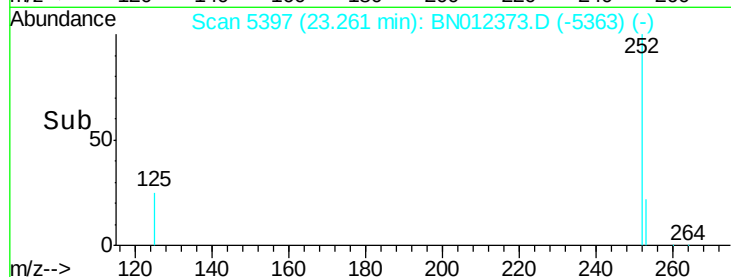
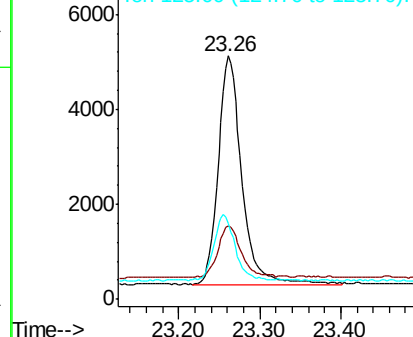
252 100

253 30.1 23.8 35.6

125 31.4 19.3 28.9#



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: 0.375 ng/ul

RT: 25.52 min Scan# 6148

Delta R.T. -0.00 min

Lab File: BN012373.D

Acq: 20 Oct 2020 04:49

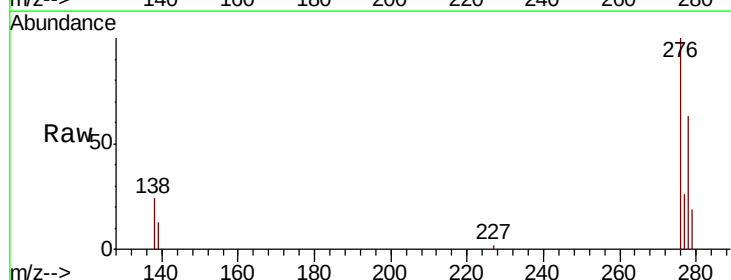
Tgt Ion:276 Resp: 11974

Ion Ratio Lower Upper

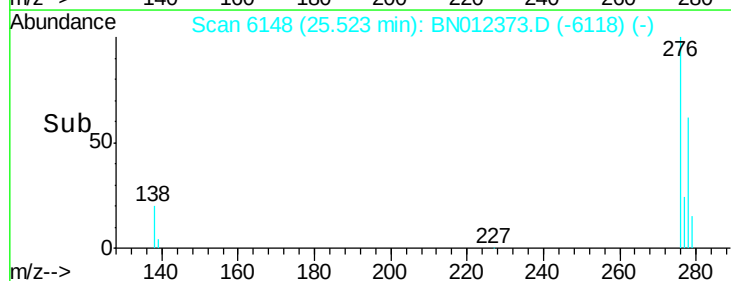
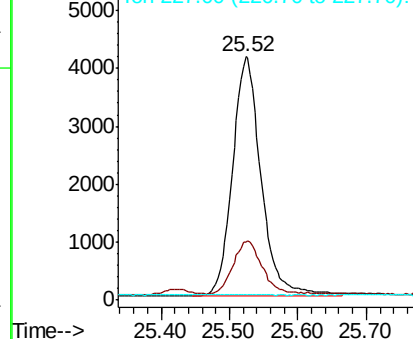
276 100

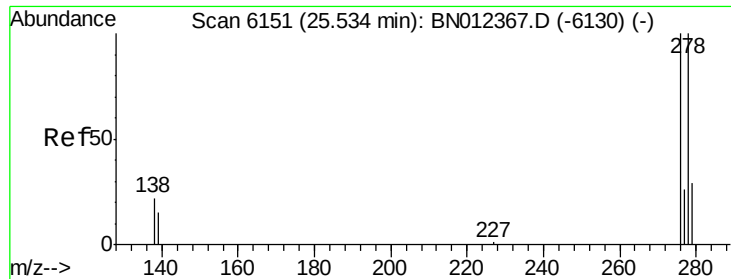
138 22.5 17.0 25.6

227 0.1 0.1 0.1



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

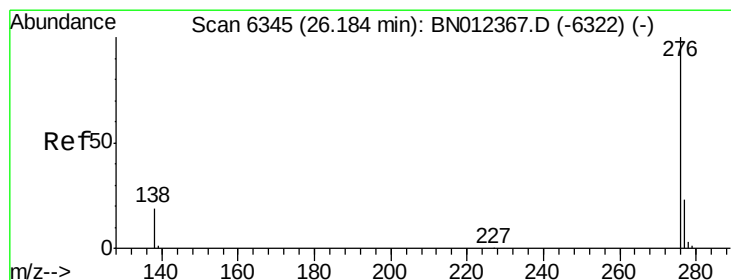
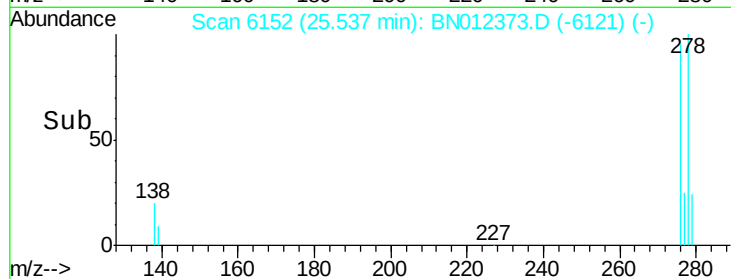
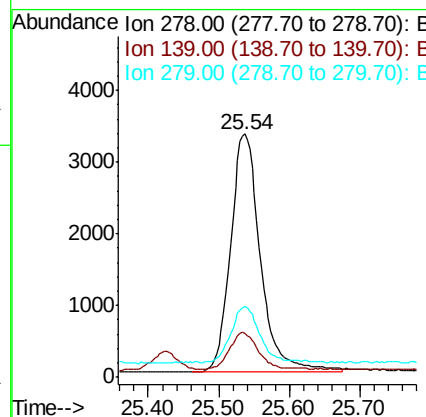
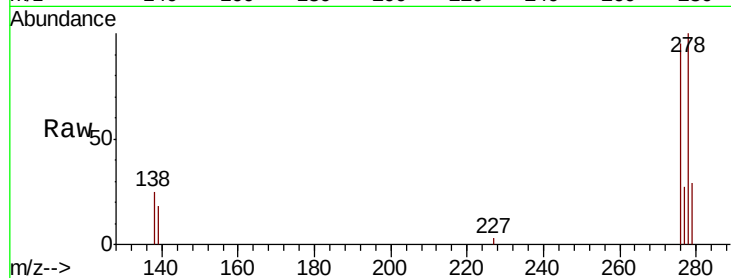




#25  
Dibenzo(a,h)anthracene  
Concen: 0.381 ng/ul  
RT: 25.54 min Scan# 6152  
Delta R.T. 0.00 min  
Lab File: BN012373.D  
Acq: 20 Oct 2020 04:49

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion:278 Resp: 9712  
Ion Ratio Lower Upper  
278 100  
139 18.2 13.8 20.8  
279 29.2 23.8 35.8



#26  
Benzo(g,h,i)perylene  
Concen: 0.359 ng/ul  
RT: 26.18 min Scan# 6345  
Delta R.T. -0.00 min  
Lab File: BN012373.D  
Acq: 20 Oct 2020 04:49

Tgt Ion:276 Resp: 10503  
Ion Ratio Lower Upper  
276 100  
138 21.6 16.6 24.8  
277 25.5 20.7 31.1

