

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120220\  
 Data File : BN012834.D  
 Acq On : 03 Dec 2020 00:21  
 Operator : CG/JU  
 Sample : L4865-06  
 Misc :  
 ALS Vial : 61 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0B88

Quant Time: Dec 03 02:18:49 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN112020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 03 00:42:46 2020  
 Response via : Initial Calibration

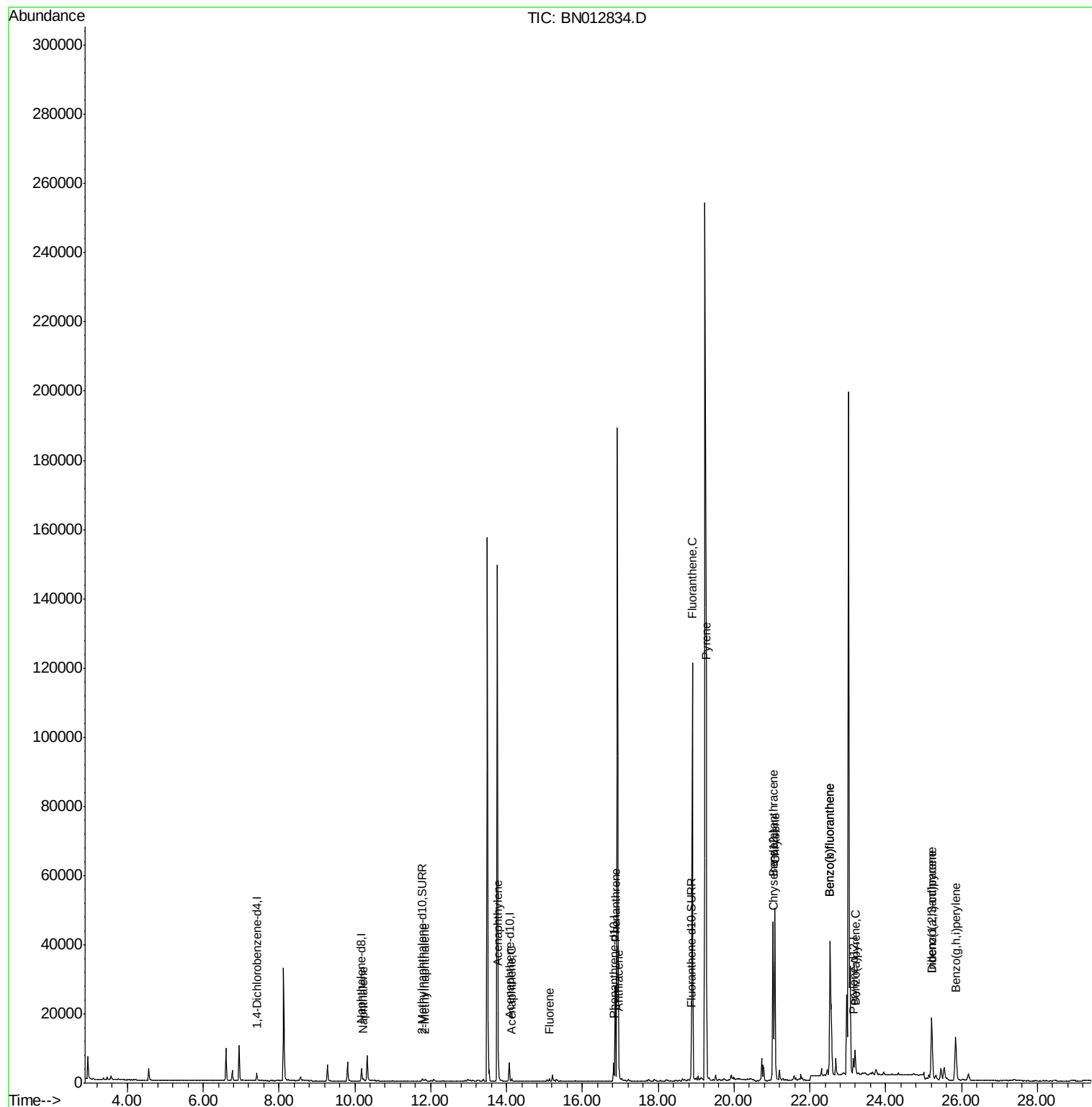
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.41  | 152  | 1164     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.18 | 136  | 4893     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.07 | 164  | 2811     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 16.83 | 188  | 6055     | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.04 | 240  | 5194     | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.15 | 264  | 5089     | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.78 | 152  | 931      | 0.13   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 18.87 | 212  | 2242     | 0.14   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 3) Naphthalene              | 10.22 | 128  | 1027     | 0.070  | ng/ul# | 90       |
| 5) 2-Methylnaphthalene      | 11.86 | 142  | 485      | 0.052  | ng/ul  | 96       |
| 7) Acenaphthylene           | 13.79 | 152  | 1305     | 0.095  | ng/ul  | 95       |
| 8) Acenaphthene             | 14.13 | 153  | 381      | 0.033  | ng/ul  | 96       |
| 9) Fluorene                 | 15.13 | 166  | 434      | 0.034  | ng/ul# | 94       |
| 12) Phenanthrene            | 16.87 | 178  | 27637    | 1.312  | ng/ul  | 96       |
| 13) Anthracene              | 16.96 | 178  | 2879     | 0.157  | ng/ul  | 98       |
| 15) Fluoranthene            | 18.90 | 202  | 100597   | 4.136  | ng/ul  | 99       |
| 17) Pyrene                  | 19.26 | 202  | 87386    | 3.761  | ng/ul  | 99       |
| 18) Benzo(a)anthracene      | 21.03 | 228  | 37043    | 1.990  | ng/ul  | 98       |
| 19) Chrysene                | 21.08 | 228  | 47121    | 2.027  | ng/ul  | 98       |
| 21) Benzo(b)fluoranthene    | 22.53 | 252  | 80258    | 3.428  | ng/ul  | 90       |
| 22) Benzo(k)fluoranthene    | 22.53 | 252  | 80258    | 2.973  | ng/ul# | 91       |
| 23) Benzo(a)pyrene          | 23.19 | 252  | 5449     | 0.247  | ng/ul  | 94       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.21 | 276  | 26980    | 0.936  | ng/ul# | 96       |
| 25) Dibenzo(a,h)anthracene  | 25.22 | 278  | 6760     | 0.292  | ng/ul  | 97       |
| 26) Benzo(a,h,i)perylene    | 25.85 | 276  | 24028    | 0.927  | ng/ul  | 97       |

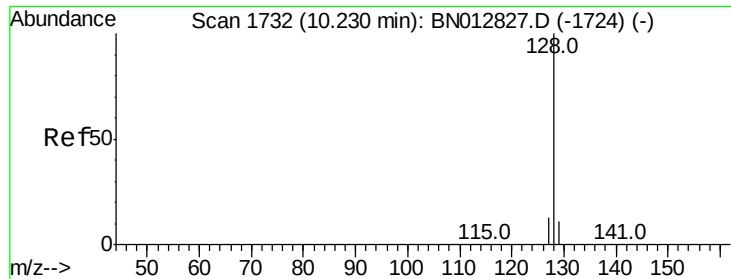
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 03 00:42:46 2020  
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.070 ng/ul

RT: 10.22 min Scan# 1731

Delta R.T. -0.01 min

Lab File: BN012834.D

Acq: 03 Dec 2020 00:21

Instrument :

BNA\_N

ClientSampleId :

C0B88

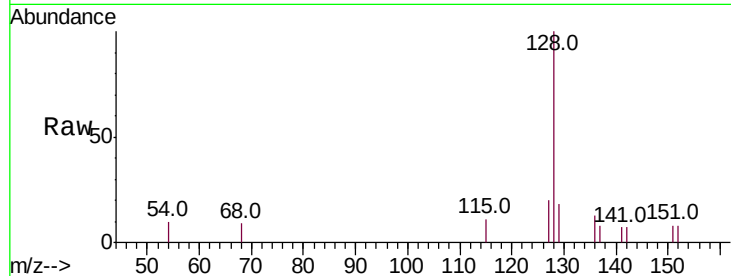
Tot Ion:128 Resp: 1027

Ion Ratio Lower Upper

128 100

129 18.1 11.2 16.8#

127 19.6 12.5 18.7#



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

10.22

800

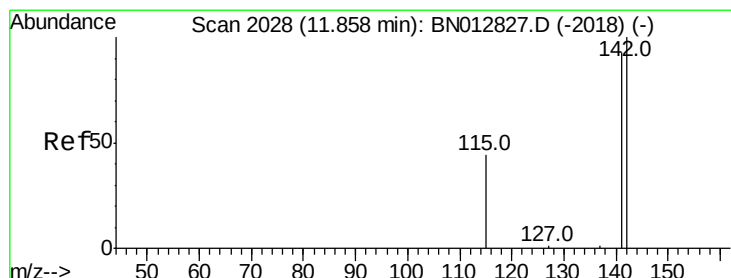
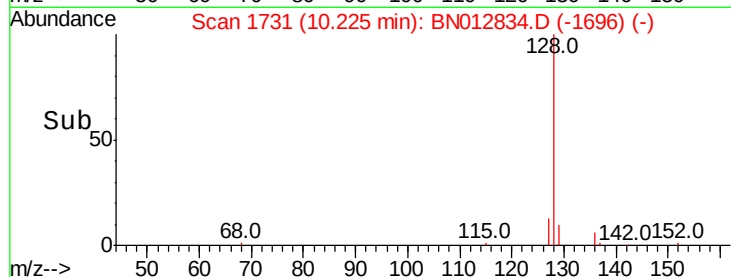
600

400

200

0

Time--> 10.15 10.20 10.25 10.30



#5

2-Methylnaphthalene

Concen: 0.052 ng/ul

RT: 11.86 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BN012834.D

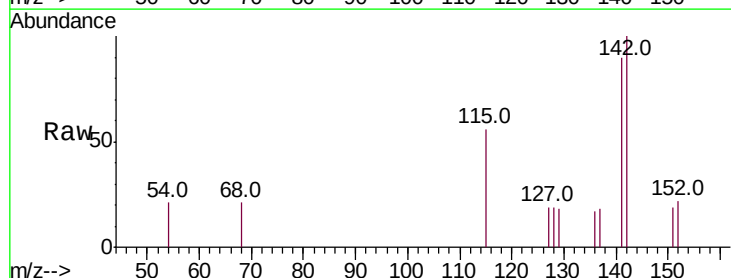
Acq: 03 Dec 2020 00:21

Tgt Ion:142 Resp: 485

Ion Ratio Lower Upper

142 100

141 86.6 72.3 108.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

11.86

300

250

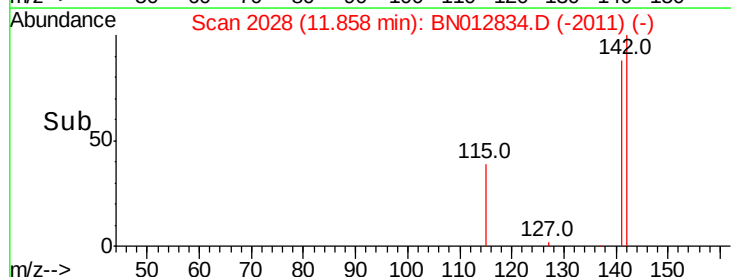
200

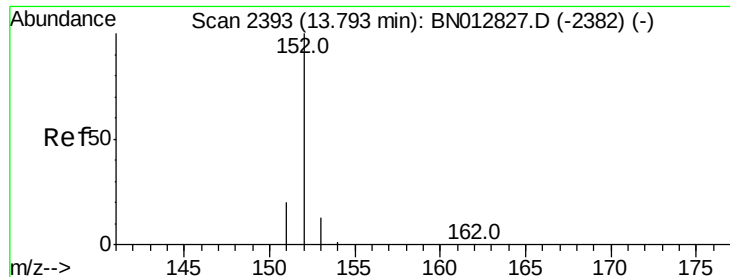
150

100

50

Time--> 11.80 11.90 12.00





#7

Acenaphthylene

Concen: 0.095 ng/ul

RT: 13.79 min Scan# 2392

Delta R.T. -0.00 min

Lab File: BN012834.D

Acq: 03 Dec 2020 00:21

Instrument :

BNA\_N

ClientSampleId :

C0B88

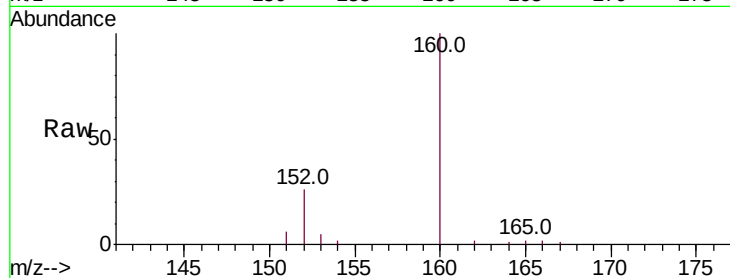
Tot Ion:152 Resp: 1305

Ion Ratio Lower Upper

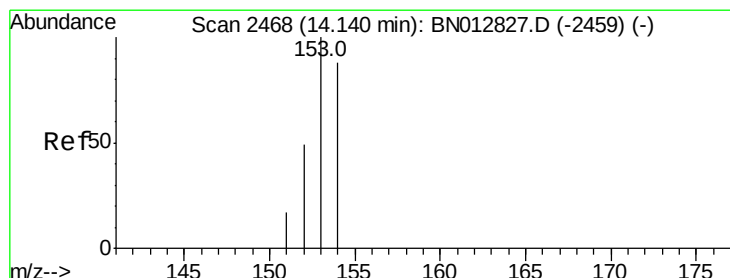
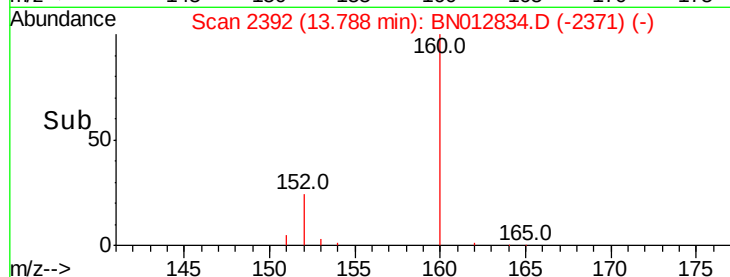
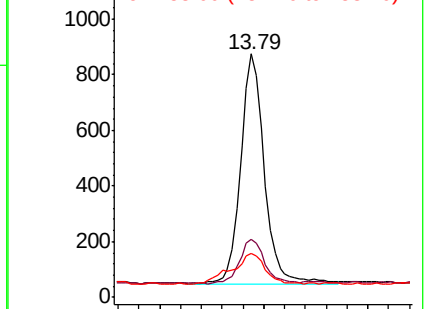
152 100

151 23.8 17.1 25.7

153 17.9 12.6 19.0



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: 0.033 ng/ul

RT: 14.13 min Scan# 2467

Delta R.T. -0.00 min

Lab File: BN012834.D

Acq: 03 Dec 2020 00:21

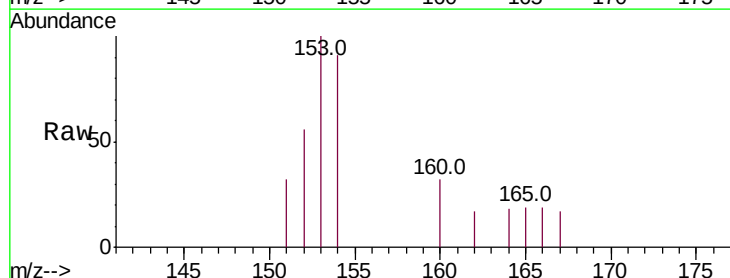
Tgt Ion:153 Resp: 381

Ion Ratio Lower Upper

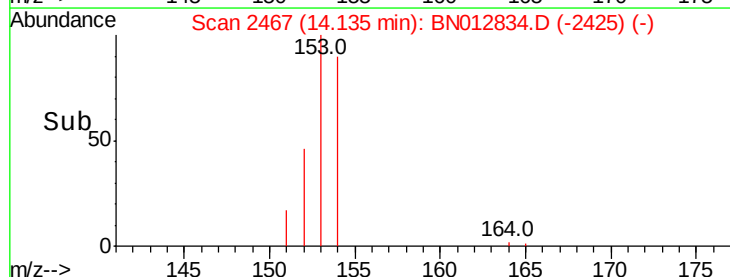
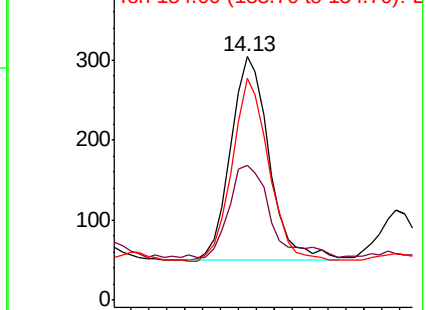
153 100

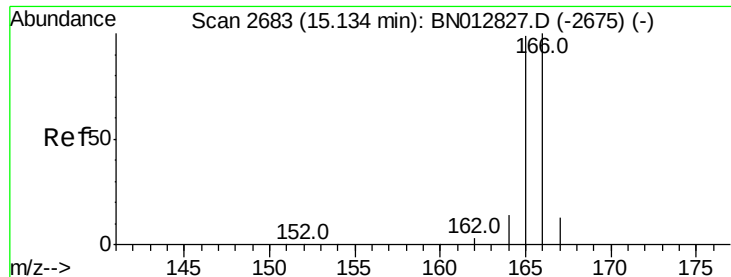
152 55.6 41.4 62.0

154 91.1 70.9 106.3



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: 0.034 ng/ul

RT: 15.13 min Scan# 2683

Delta R.T. -0.00 min

Lab File: BN012834.D

Acq: 03 Dec 2020 00:21

Instrument :

BNA\_N

ClientSampleId :

C0B88

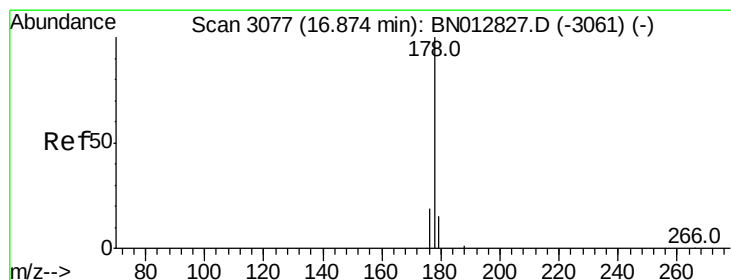
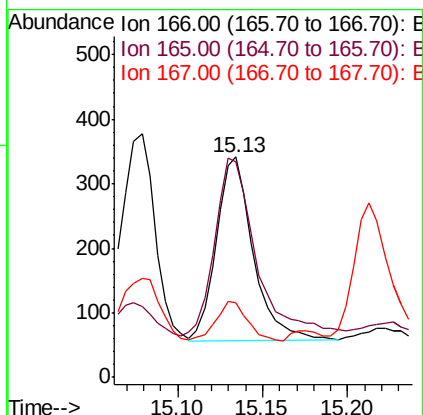
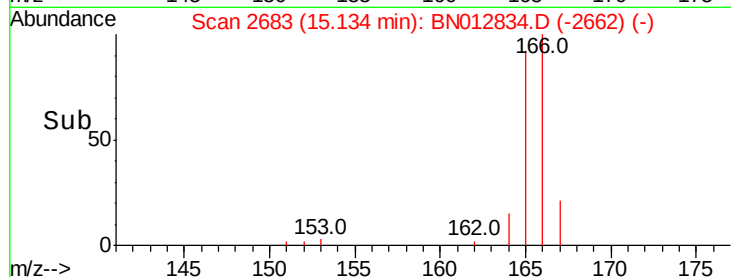
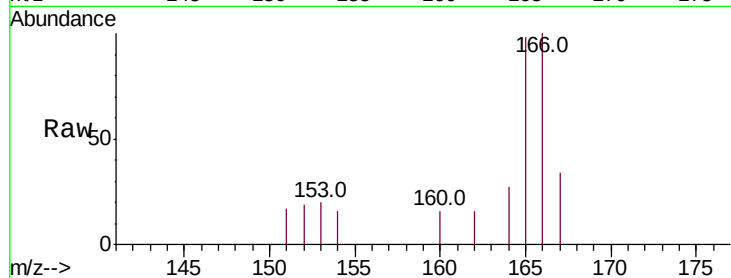
Tot Ion:166 Resp: 434

Ion Ratio Lower Upper

166 100

165 97.7 78.5 117.7

167 34.0 12.7 19.1#



#12

Phenanthrene

Concen: 1.312 ng/ul

RT: 16.87 min Scan# 3076

Delta R.T. -0.00 min

Lab File: BN012834.D

Acq: 03 Dec 2020 00:21

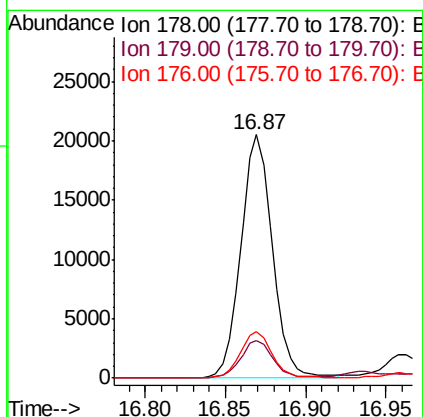
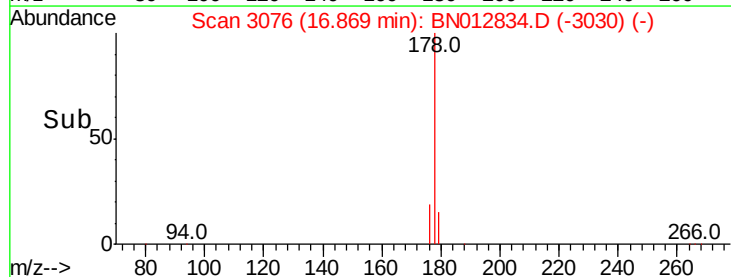
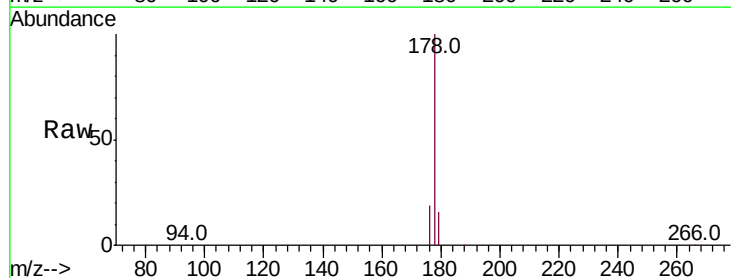
Tgt Ion:178 Resp: 27637

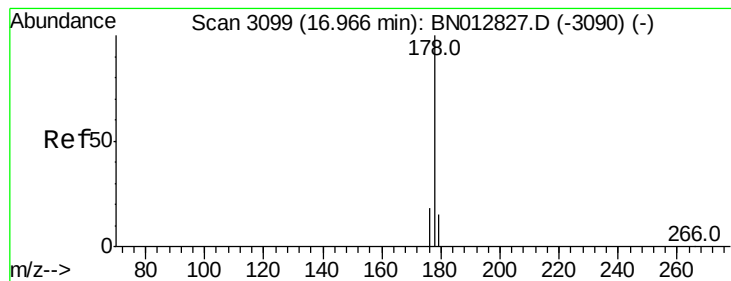
Ion Ratio Lower Upper

178 100

179 15.6 13.8 20.6

176 19.1 16.7 25.1





#13

Anthracene

Concen: 0.157 ng/ul

RT: 16.96 min Scan# 3098

Delta R.T. -0.00 min

Lab File: BN012834.D

Acq: 03 Dec 2020 00:21

Instrument :

BNA\_N

ClientSampleId :

C0B88

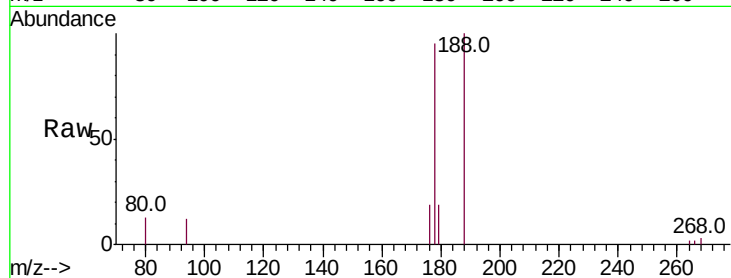
Tot Ion:178 Resp: 2879

Ion Ratio Lower Upper

178 100

179 19.9 14.8 22.2

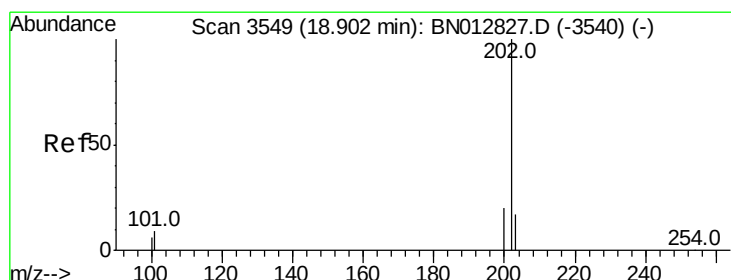
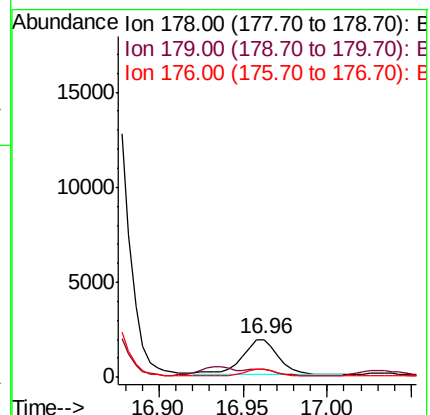
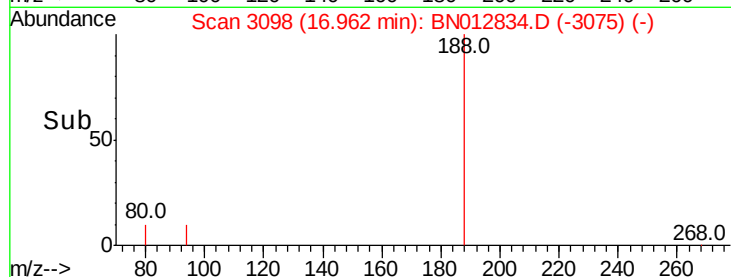
176 20.3 16.3 24.5



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



#15

Fluoranthene

Concen: 4.136 ng/ul

RT: 18.90 min Scan# 3548

Delta R.T. -0.01 min

Lab File: BN012834.D

Acq: 03 Dec 2020 00:21

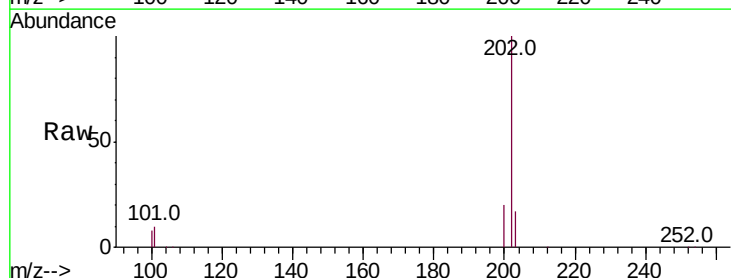
Tgt Ion:202 Resp: 100597

Ion Ratio Lower Upper

202 100

101 10.1 0.0 30.5

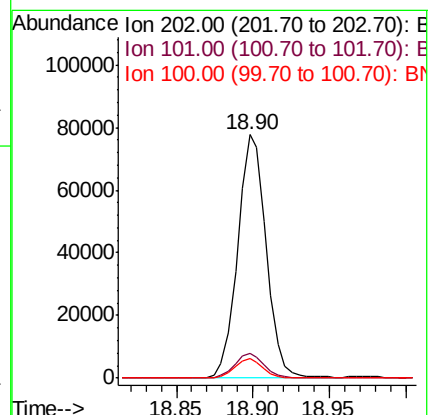
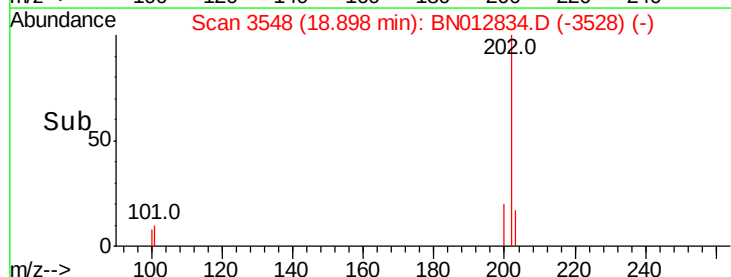
100 7.9 0.0 28.4

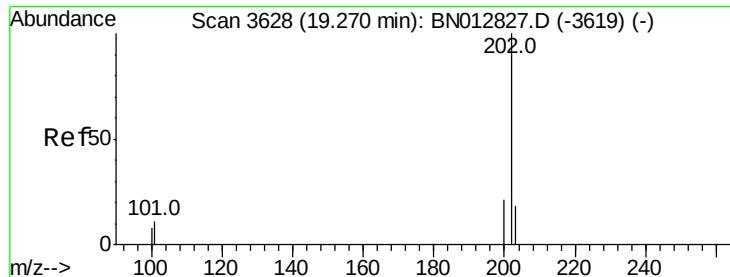


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#17

Pvrene

Concen: 3.761 ng/ul

RT: 19.26 min Scan# 3627

Delta R.T. -0.00 min

Lab File: BN012834.D

Acq: 03 Dec 2020 00:21

Instrument :

BNA\_N

ClientSampleId :

C0B88

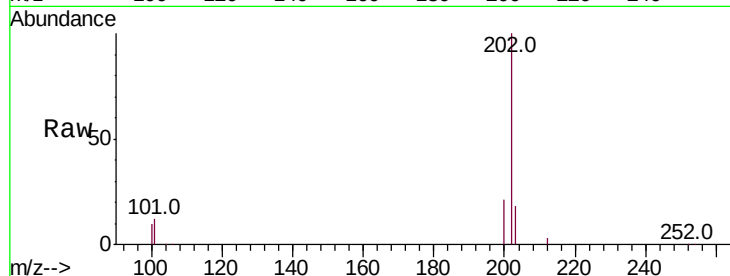
Tot Ion:202 Resp: 87386

Ion Ratio Lower Upper

202 100

101 11.5 8.9 13.3

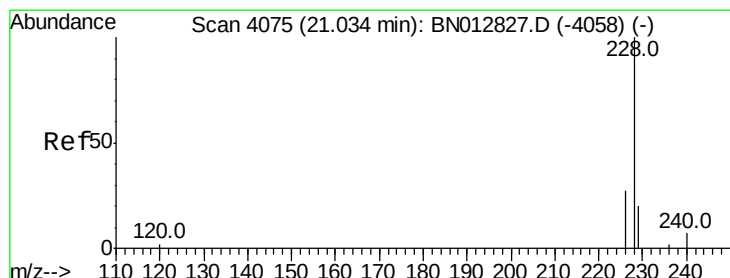
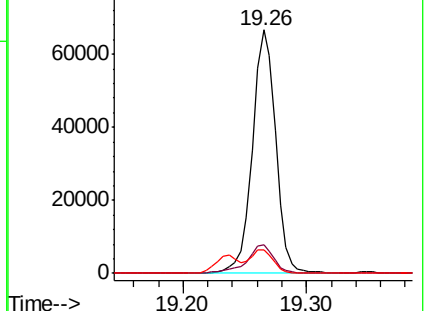
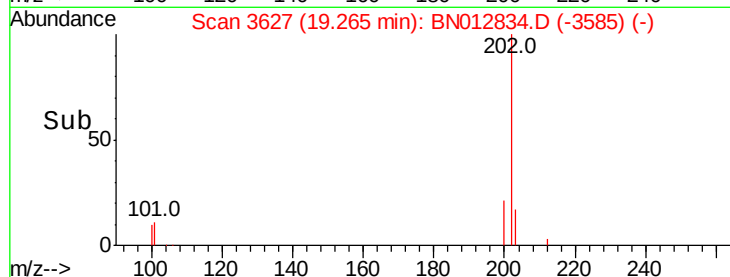
100 9.6 7.4 11.2



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



#18

Benzo(a)anthracene

Concen: 1.990 ng/ul

RT: 21.03 min Scan# 4073

Delta R.T. -0.01 min

Lab File: BN012834.D

Acq: 03 Dec 2020 00:21

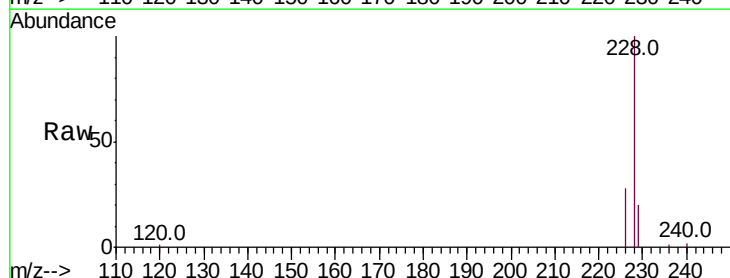
Tgt Ion:228 Resp: 37043

Ion Ratio Lower Upper

228 100

229 20.3 16.9 25.3

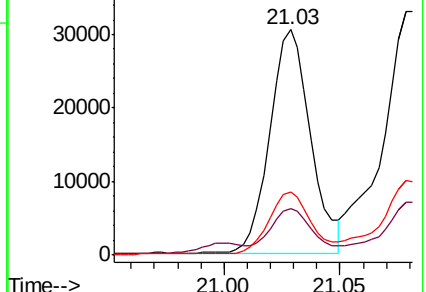
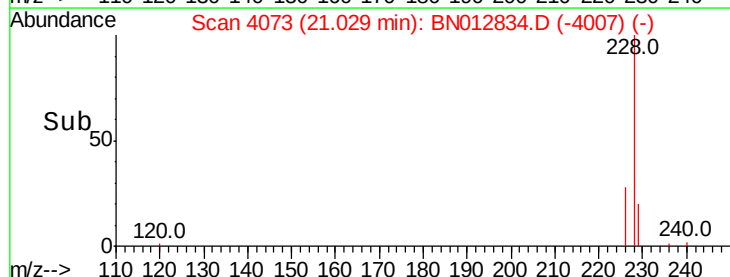
226 28.1 23.1 34.7

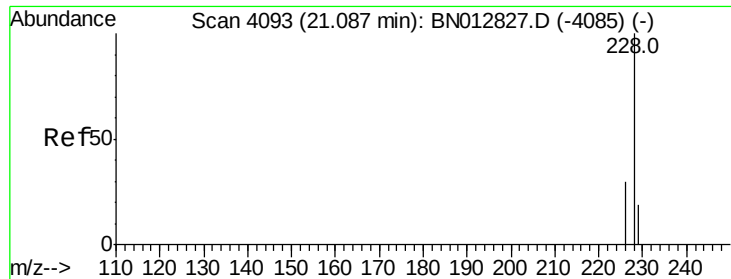


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 2.027 ng/ul

RT: 21.08 min Scan# 4091

Delta R.T. -0.01 min

Lab File: BN012834.D

Acq: 03 Dec 2020 00:21

Instrument :

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C0B88

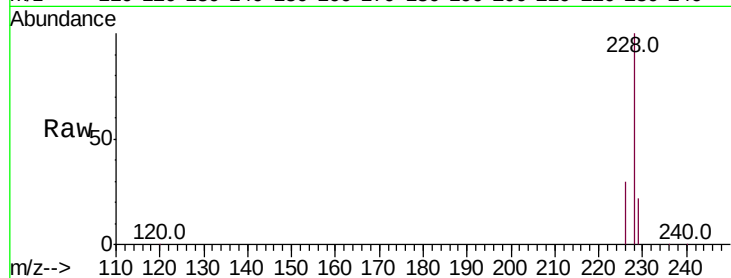
Tot Ion:228 Resp: 47121

Ion Ratio Lower Upper

228 100

226 30.0 24.4 36.6

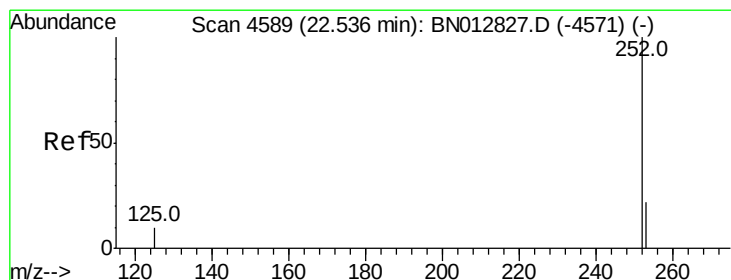
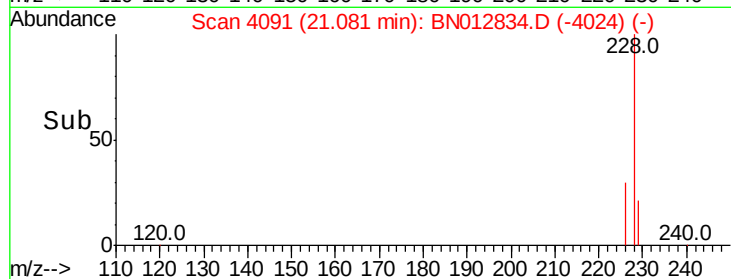
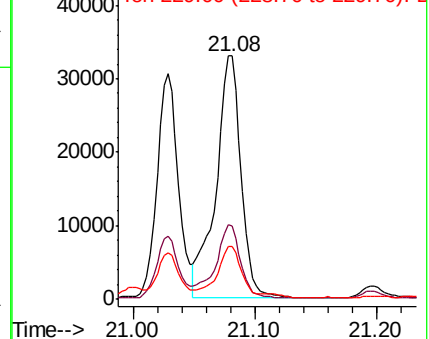
229 21.7 16.1 24.1



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: 3.428 ng/ul

RT: 22.53 min Scan# 4587

Delta R.T. -0.01 min

Lab File: BN012834.D

Acq: 03 Dec 2020 00:21

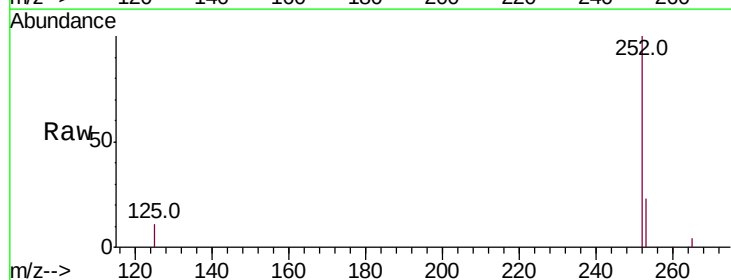
Tgt Ion:252 Resp: 80258

Ion Ratio Lower Upper

252 100

253 23.3 0.0 58.4

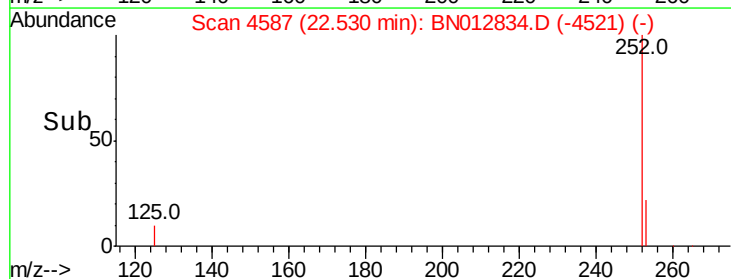
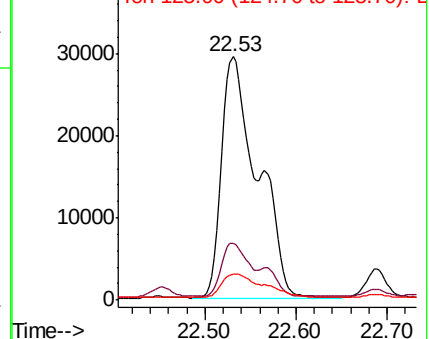
125 10.9 0.0 28.6



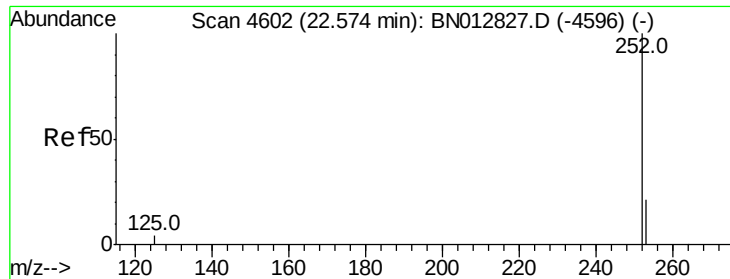
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E







#22

Benzo(k)fluoranthene

Concen: 2.973 ng/ul

RT: 22.53 min Scan# 4587

Delta R.T. -0.05 min

Lab File: BN012834.D

Acq: 03 Dec 2020 00:21

Instrument :

BNA\_N

ClientSampleId :

C0B88

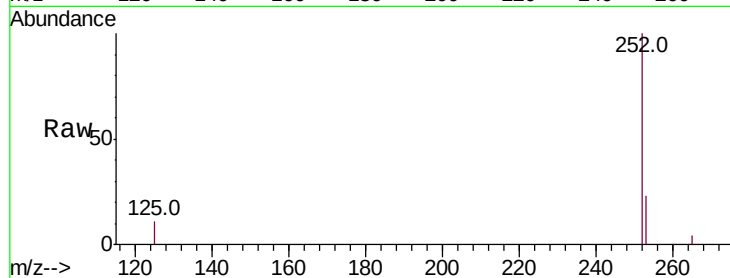
Tot Ion:252 Resp: 80258

Ion Ratio Lower Upper

252 100

253 23.3 23.4 35.2#

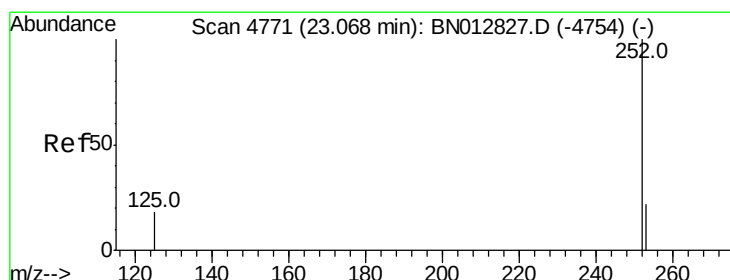
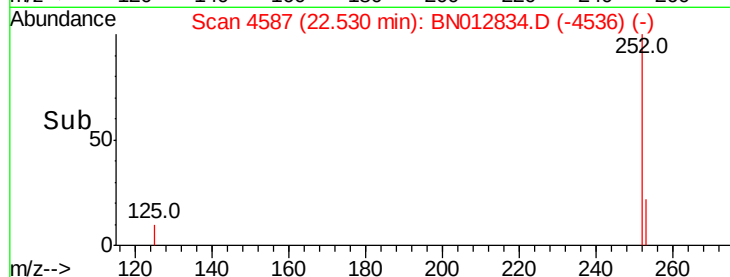
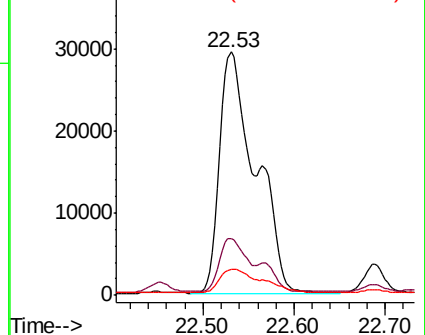
125 10.9 10.2 15.2



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



#23

Benzo(a)pyrene

Concen: 0.247 ng/ul

RT: 23.19 min Scan# 4814

Delta R.T. 0.13 min

Lab File: BN012834.D

Acq: 03 Dec 2020 00:21

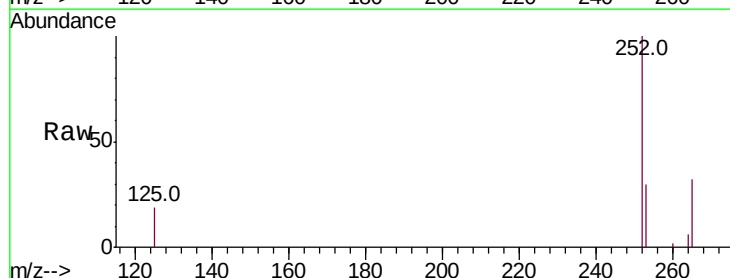
Tgt Ion:252 Resp: 5449

Ion Ratio Lower Upper

252 100

253 30.1 27.6 41.4

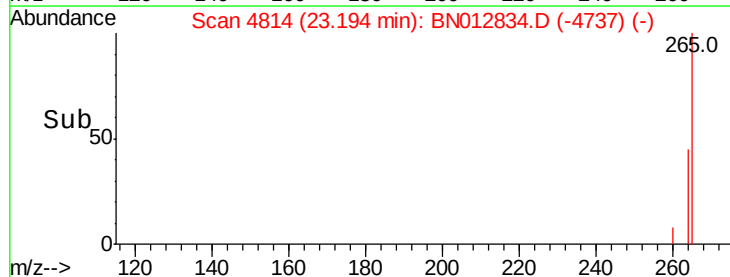
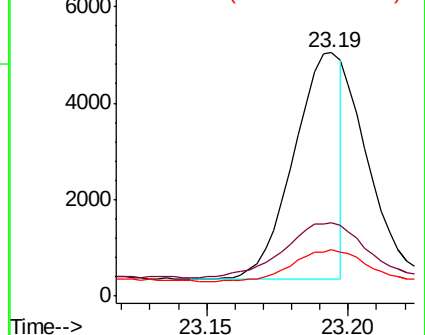
125 19.1 17.0 25.4

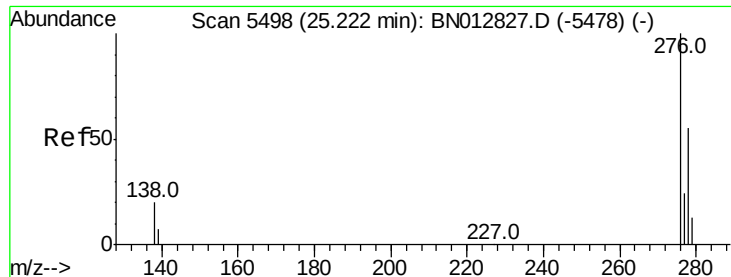


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



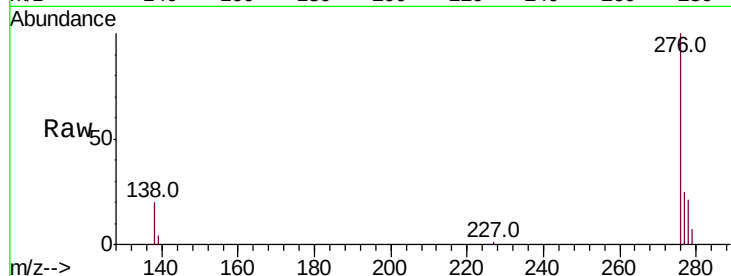


#24

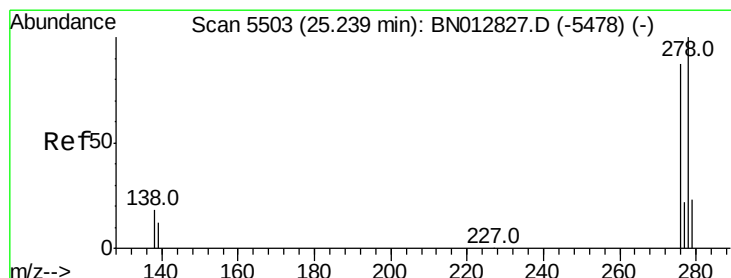
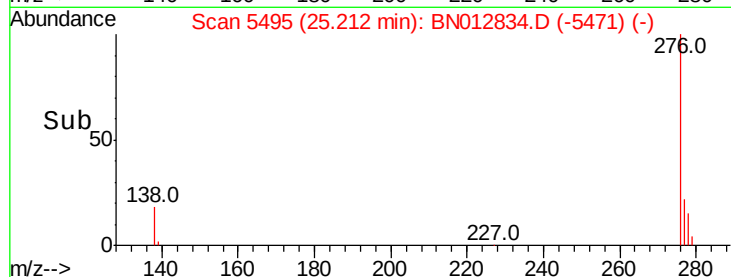
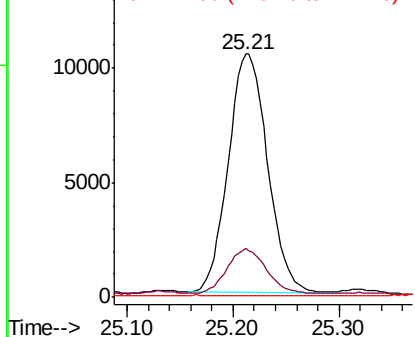
Indeno(1,2,3-cd)pyrene  
Concen: 0.936 ng/ul  
RT: 25.21 min Scan# 5495  
Delta R.T. -0.02 min  
Lab File: BN012834.D  
Acq: 03 Dec 2020 00:21

Instrument :  
BNA\_N  
ClientSampleId :  
C0B88

Tot Ion:276 Resp: 26980  
Ion Ratio Lower Upper  
276 100  
138 18.8 16.5 24.7  
227 0.1 0.1 0.1#



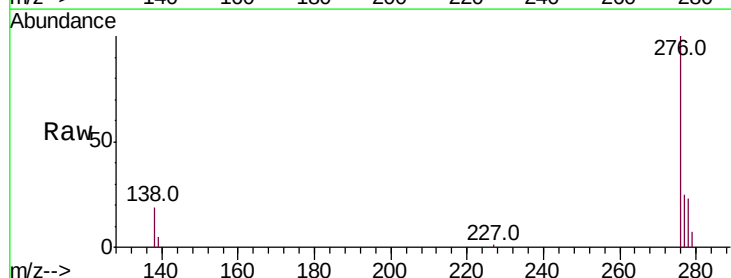
Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 227.00 (226.70 to 227.70): E



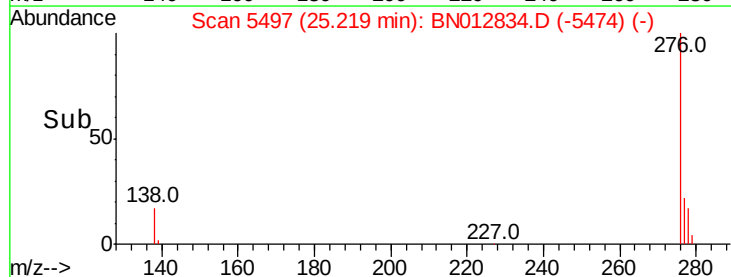
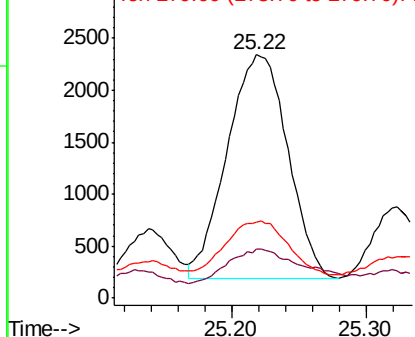
#25

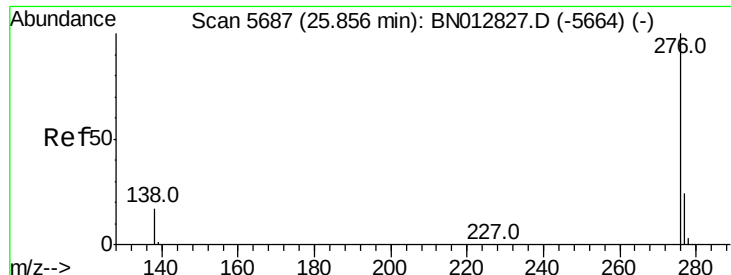
Dibenzo(a,h)anthracene  
Concen: 0.292 ng/ul  
RT: 25.22 min Scan# 5497  
Delta R.T. -0.02 min  
Lab File: BN012834.D  
Acq: 03 Dec 2020 00:21

Tgt Ion:278 Resp: 6760  
Ion Ratio Lower Upper  
278 100  
139 19.9 13.8 20.8  
279 31.4 25.6 38.4



Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E





#26

Benzo(a,h,i)perylene

Concen: 0.927 ng/ul

RT: 25.85 min Scan# 5684

Delta R.T. -0.01 min

Lab File: BN012834.D

Acq: 03 Dec 2020 00:21

Instrument :

BNA\_N

ClientSampleId :

C0B88

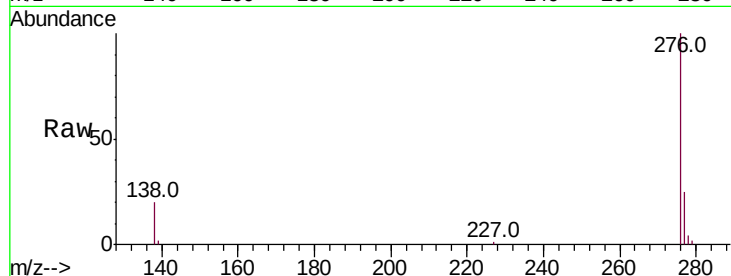
Tot Ion:276 Resp: 24028

Ion Ratio Lower Upper

276 100

138 20.2 16.3 24.5

277 24.7 21.8 32.8



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

