

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\  
 Data File : BN006234.D  
 Acq On : 10 Jun 2019 21:45  
 Operator : JU/SJ  
 Sample : K3017-21  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Jun 11 00:19:33 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Jun 09 05:10:30 2019  
 Response via : Initial Calibration

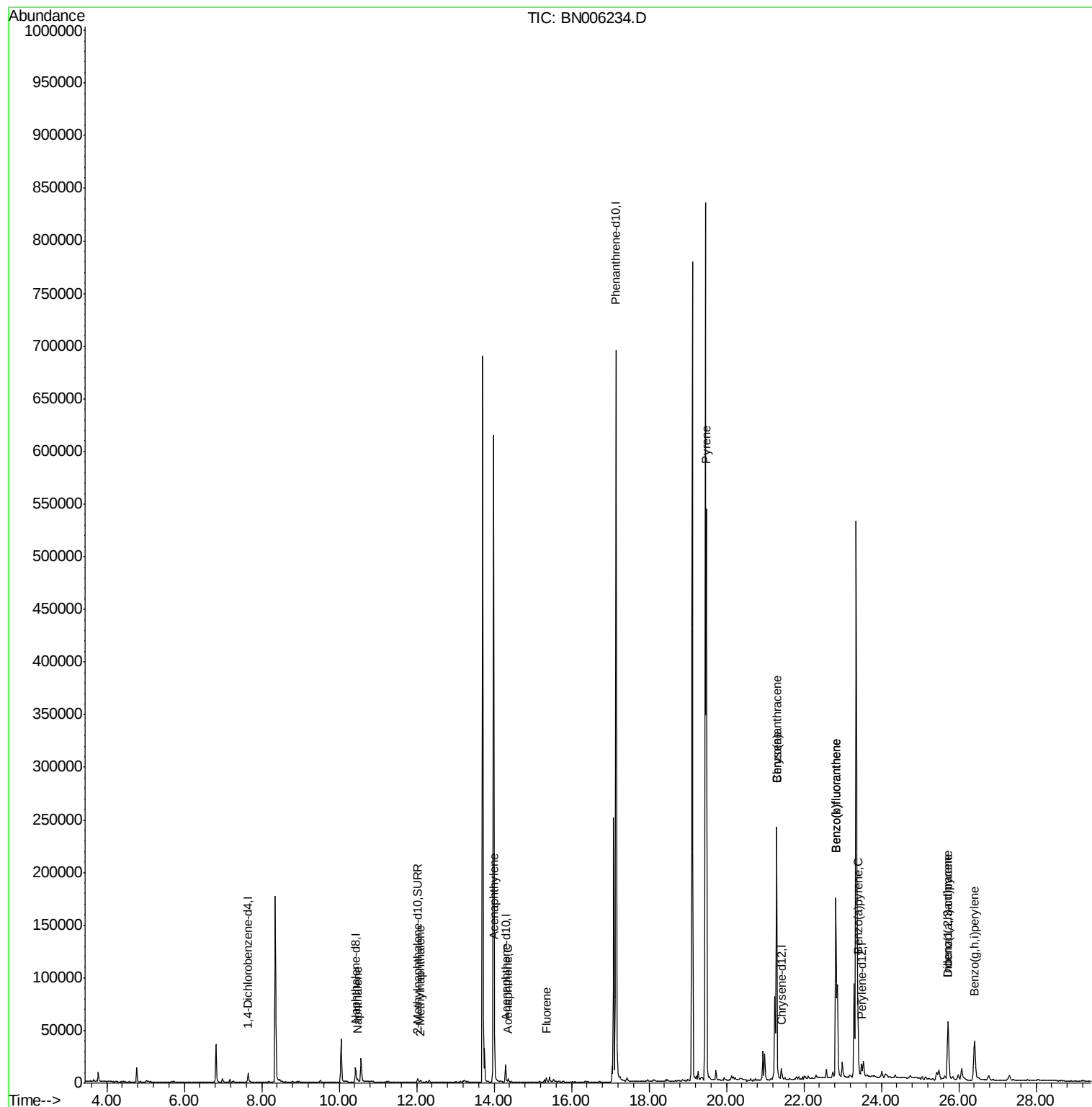
| Internal Standards          | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|----------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.65  | 152  | 4884     | 0.40     | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.42 | 136  | 18080    | 0.40     | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.30 | 164  | 8978     | 0.40     | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.15 | 188  | 776634   | 0.40     | ng/ul  | 0.10     |
| 16) Chrysene-d12            | 21.43 | 240  | 39       | 0.40     | ng/ul  | 0.17     |
| 20) Perylene-d12            | 23.49 | 264  | 17989    | 0.40     | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |          |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.02 | 152  | 4890     | 0.18     | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.18 | 212  | 146      | 0.00     | ng/ul  | 0.09     |
| Target Compounds            |       |      |          |          | Ovalue |          |
| 3) Naphthalene              | 10.47 | 128  | 4804     | 0.096    | ng/ul# | 95       |
| 5) 2-Methylnaphthalene      | 12.10 | 142  | 1304     | 0.038    | ng/ul  | 100      |
| 7) Acenaphthylene           | 14.01 | 152  | 18932    | 0.379    | ng/ul  | 99       |
| 8) Acenaphthene             | 14.36 | 153  | 2105     | 0.061    | ng/ul  | 95       |
| 9) Fluorene                 | 15.35 | 166  | 2854     | 0.070    | ng/ul# | 95       |
| 17) Pyrene                  | 19.49 | 202  | 428858   | 2087.615 | ng/ul  | 99       |
| 18) Benzo(a)anthracene      | 21.30 | 228  | 243065   | 1409.143 | ng/ul  | 98       |
| 19) Chrysene                | 21.30 | 228  | 233959   | 1444.810 | ng/ul  | 99       |
| 21) Benzo(b)fluoranthene    | 22.82 | 252  | 348032   | 4.640    | ng/ul  | 92       |
| 22) Benzo(k)fluoranthene    | 22.82 | 252  | 348032   | 4.763    | ng/ul  | 95       |
| 23) Benzo(a)pyrene          | 23.39 | 252  | 88205    | 1.263    | ng/ul# | 90       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.72 | 276  | 91980    | 1.216    | ng/ul# | 89       |
| 25) Dibenzo(a,h)anthracene  | 25.73 | 278  | 16978    | 0.281    | ng/ul# | 92       |
| 26) Benzo(g,h,i)perylene    | 26.41 | 276  | 80544    | 1.272    | ng/ul  | 95       |

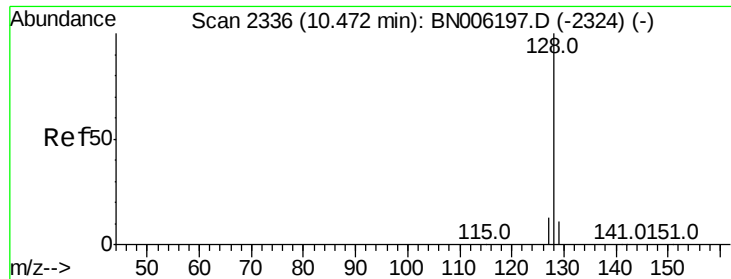
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.096 ng/ul

RT: 10.47 min Scan# 2336

Delta R.T. -0.00 min

Lab File: BN006234.D

Acq: 10 Jun 2019 21:45

Instrument :

BNA\_N

ClientSampleId :

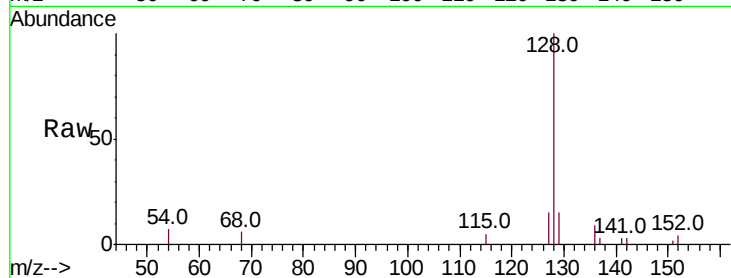
Tot Ion:128 Resp: 4804

Ion Ratio Lower Upper

128 100

129 14.6 9.3 13.9#

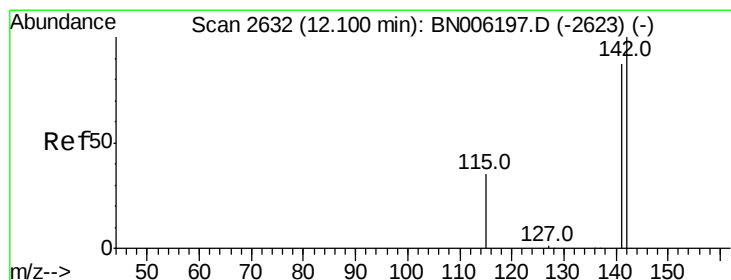
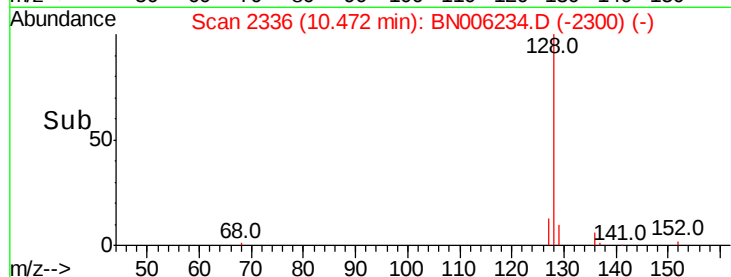
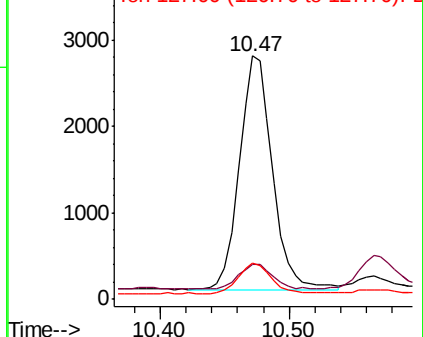
127 14.8 10.7 16.1



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: 0.038 ng/ul

RT: 12.10 min Scan# 2632

Delta R.T. -0.00 min

Lab File: BN006234.D

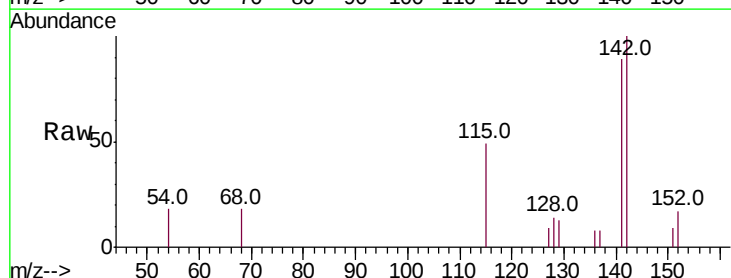
Acq: 10 Jun 2019 21:45

Tgt Ion:142 Resp: 1304

Ion Ratio Lower Upper

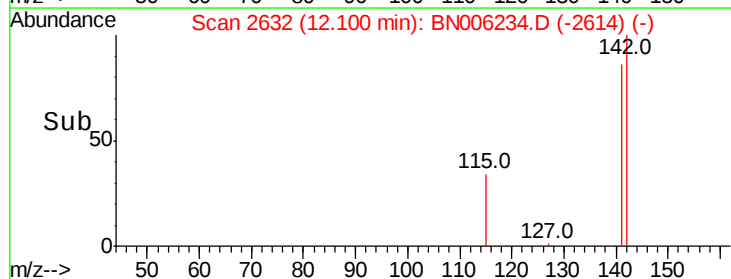
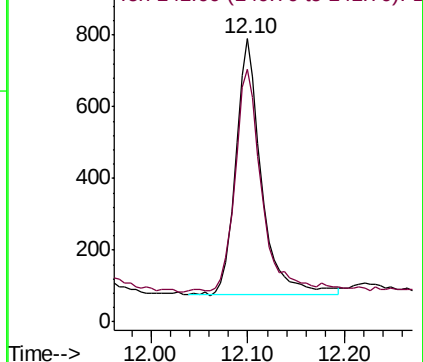
142 100

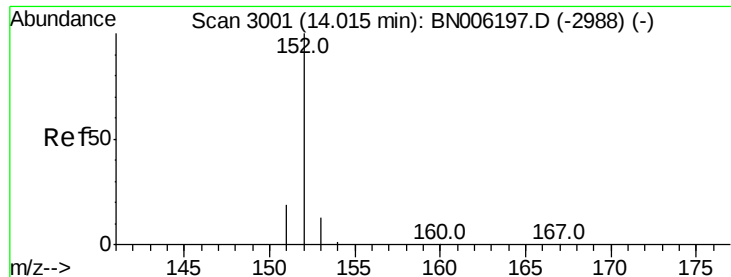
141 88.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.379 ng/ul

RT: 14.01 min Scan# 3001

Delta R.T. -0.00 min

Lab File: BN006234.D

Acq: 10 Jun 2019 21:45

Instrument :

BNA\_N

ClientSampleId :

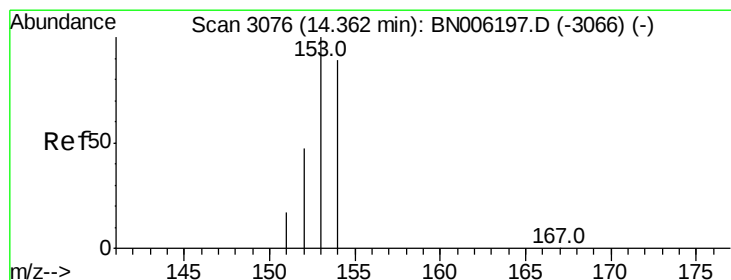
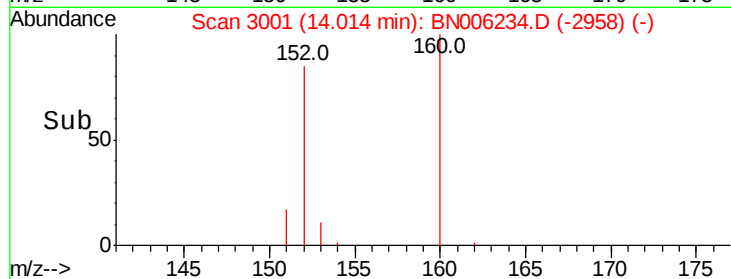
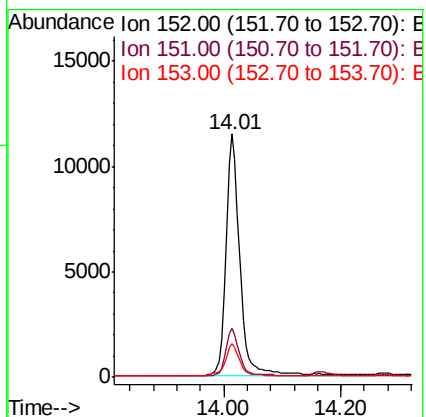
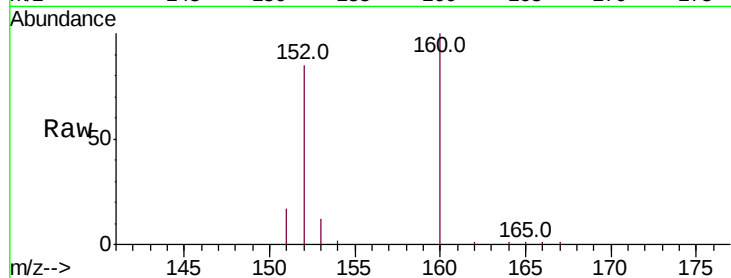
Tot Ion:152 Resp: 18932

Ion Ratio Lower Upper

152 100

151 20.1 15.8 23.8

153 13.7 10.8 16.2



#8

Acenaphthene

Concen: 0.061 ng/ul

RT: 14.36 min Scan# 3075

Delta R.T. -0.00 min

Lab File: BN006234.D

Acq: 10 Jun 2019 21:45

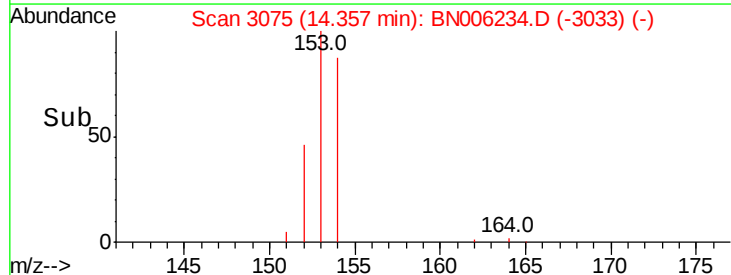
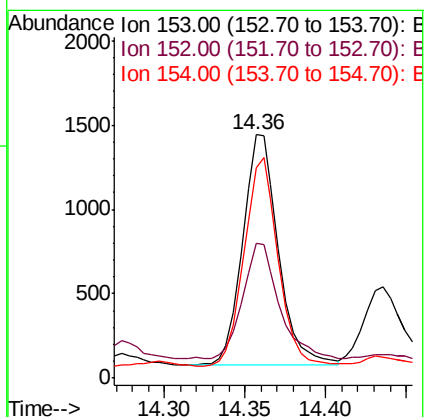
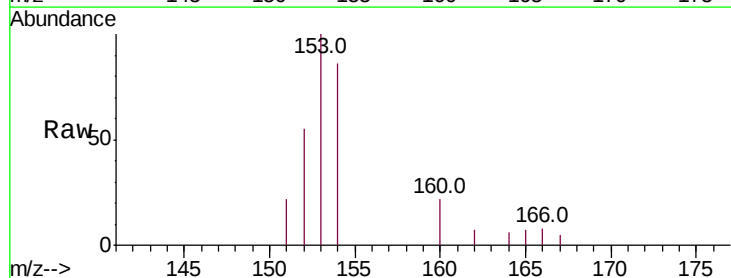
Tgt Ion:153 Resp: 2105

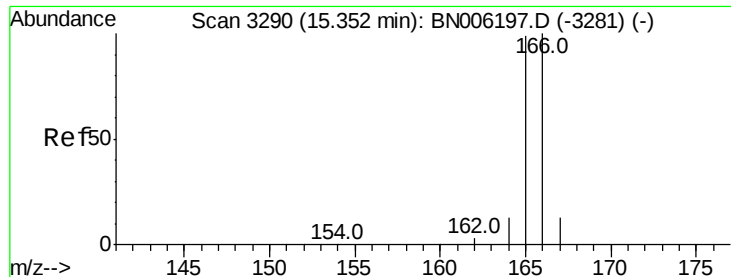
Ion Ratio Lower Upper

153 100

152 55.2 39.1 58.7

154 86.5 71.1 106.7





#9

Fluorene

Concen: 0.070 ng/ul

RT: 15.35 min Scan# 3290

Delta R.T. -0.00 min

Lab File: BN006234.D

Acq: 10 Jun 2019 21:45

Instrument :

BNA\_N

ClientSampleId :

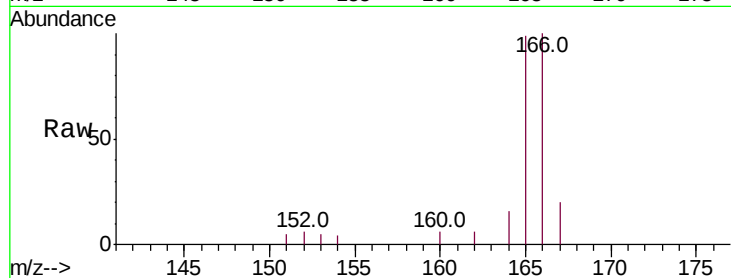
Tot Ion:166 Resp: 2854

Ion Ratio Lower Upper

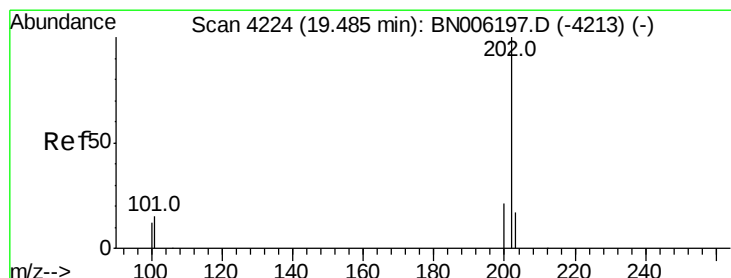
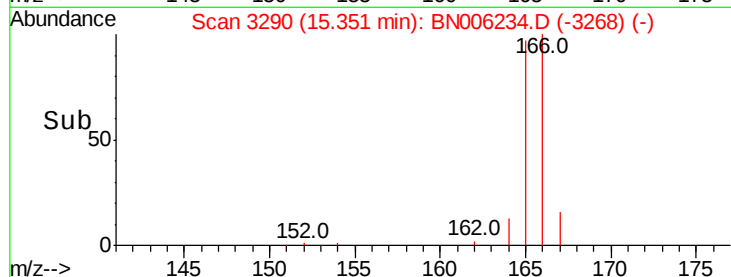
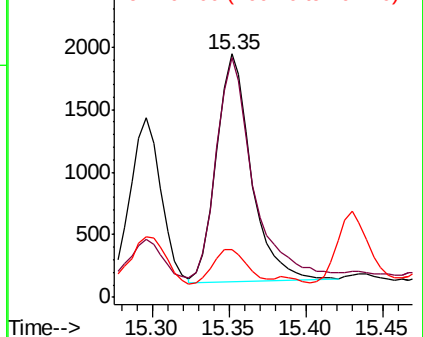
166 100

165 98.6 76.4 114.6

167 19.9 11.0 16.6#



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E



#17

Pyrene

Concen: 2087.615 ng/ul

RT: 19.49 min Scan# 4224

Delta R.T. -0.00 min

Lab File: BN006234.D

Acq: 10 Jun 2019 21:45

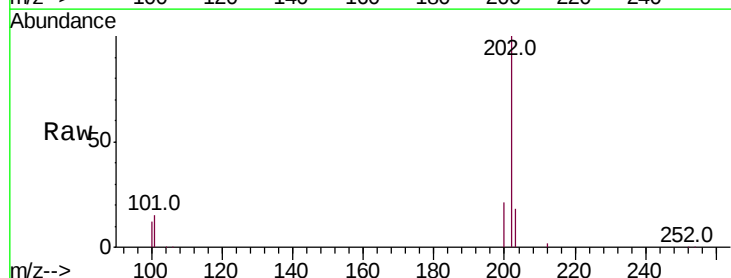
Tgt Ion:202 Resp: 428858

Ion Ratio Lower Upper

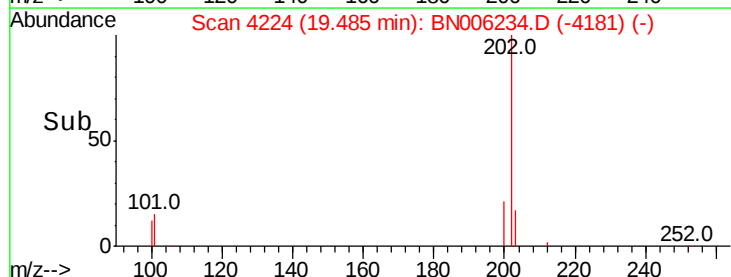
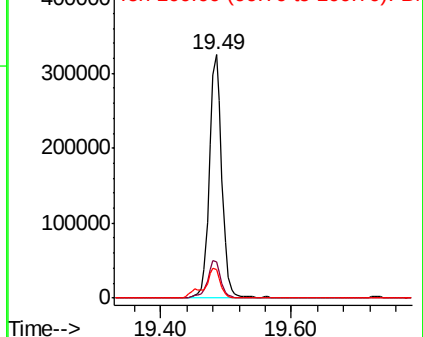
202 100

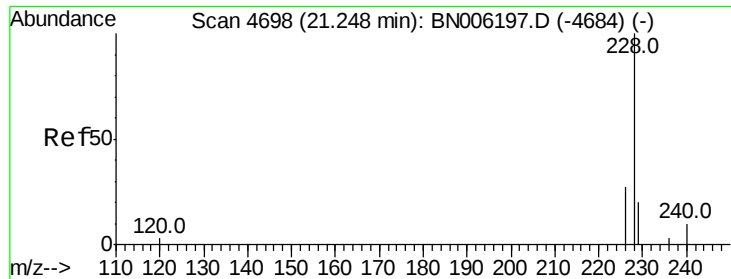
101 15.0 12.2 18.2

100 11.6 9.8 14.6



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: 1409.143 ng/ul

RT: 21.30 min Scan# 4715

Delta R.T. 0.05 min

Lab File: BN006234.D

Acq: 10 Jun 2019 21:45

Instrument :

BNA\_N

ClientSampleId :

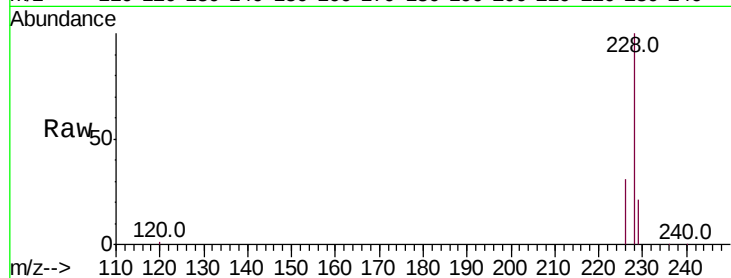
Tot Ion:228 Resp: 243065

Ion Ratio Lower Upper

228 100

229 20.5 16.5 24.7

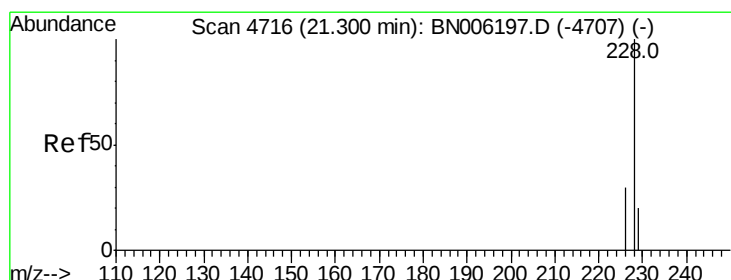
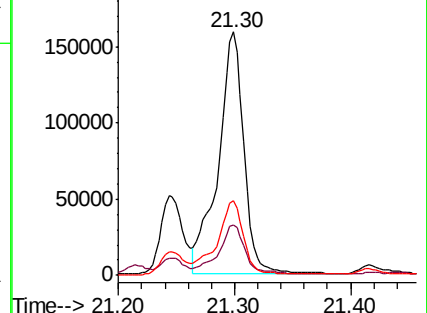
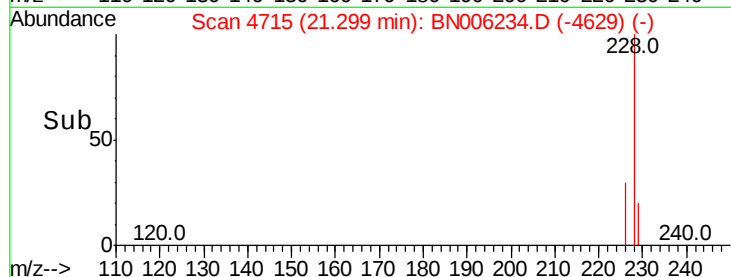
226 30.5 22.8 34.2



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: 1444.810 ng/ul

RT: 21.30 min Scan# 4715

Delta R.T. -0.00 min

Lab File: BN006234.D

Acq: 10 Jun 2019 21:45

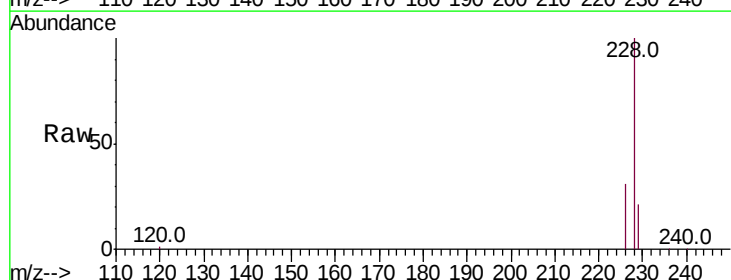
Tgt Ion:228 Resp: 233959

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

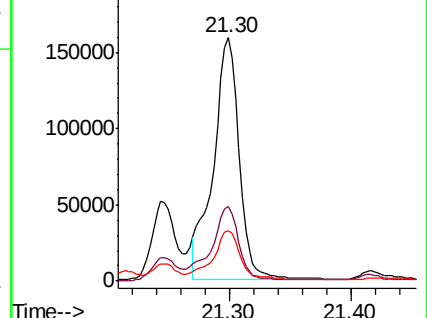
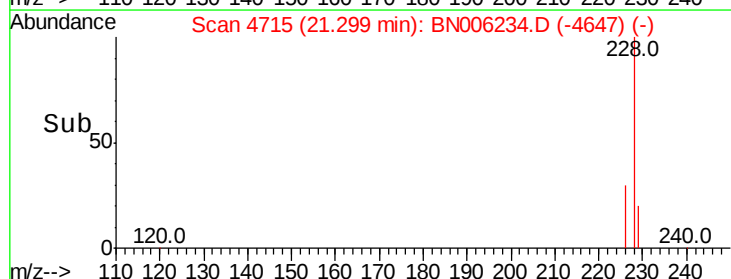
229 20.5 16.3 24.5

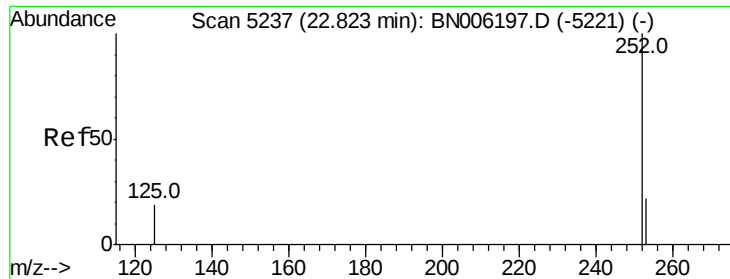


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 4.640 ng/u1

RT: 22.82 min Scan# 5237

Delta R.T. 0.00 min

Lab File: BN006234.D

Acq: 10 Jun 2019 21:45

Instrument :

BNA\_N

ClientSampleId :

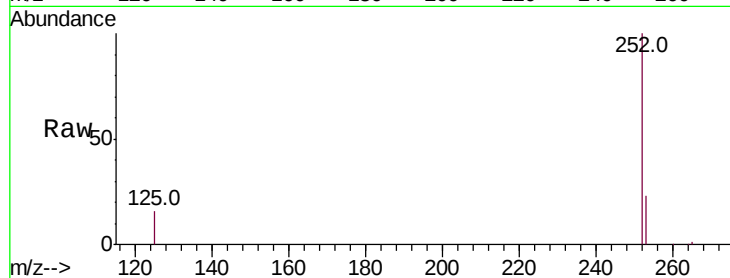
Tot Ion:252 Resp: 348032

Ion Ratio Lower Upper

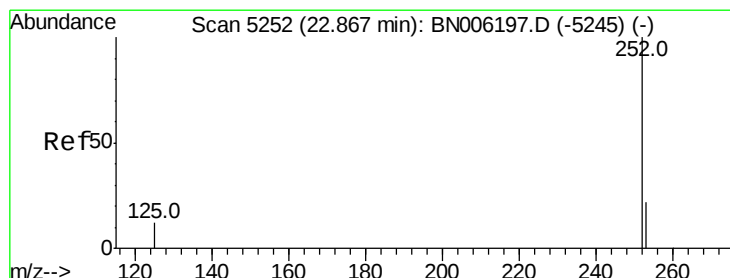
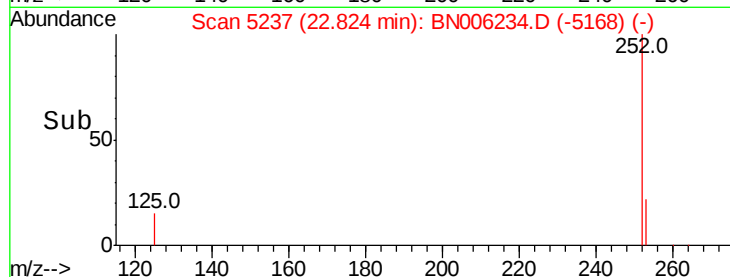
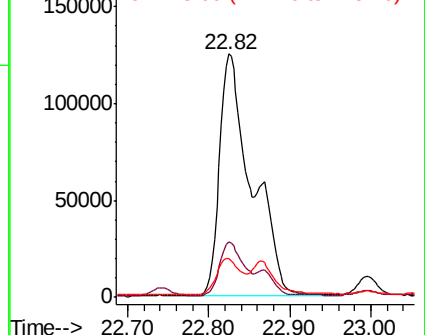
252 100

253 22.6 0.0 51.4

125 16.0 0.0 41.0



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: 4.763 ng/u1

RT: 22.82 min Scan# 5237

Delta R.T. -0.04 min

Lab File: BN006234.D

Acq: 10 Jun 2019 21:45

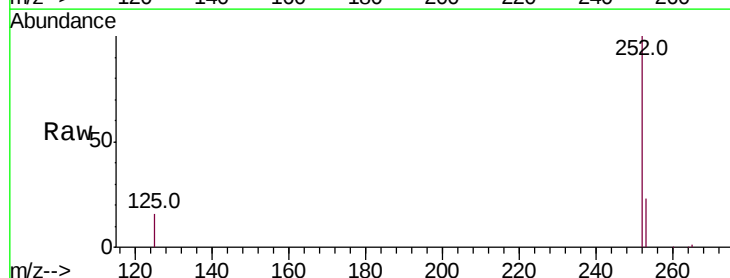
Tgt Ion:252 Resp: 348032

Ion Ratio Lower Upper

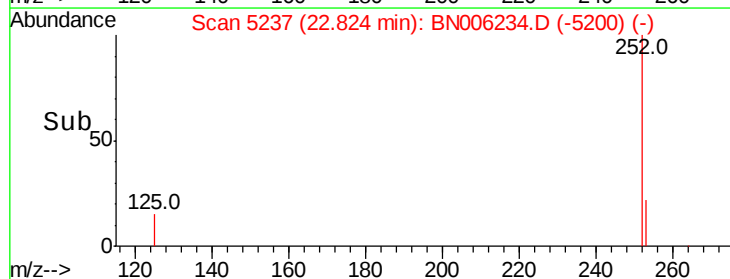
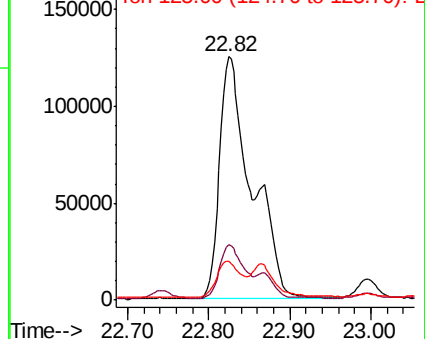
252 100

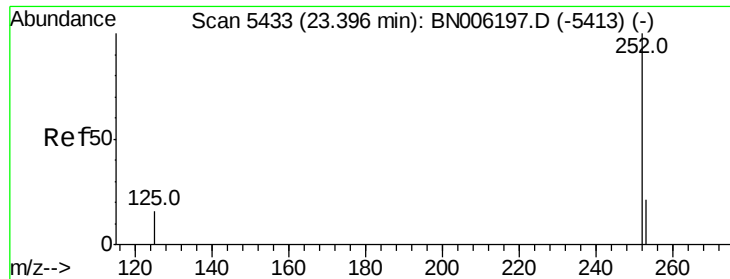
253 22.6 20.3 30.5

125 16.0 14.3 21.5



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: 1.263 ng/ul

RT: 23.39 min Scan# 5432

Delta R.T. -0.00 min

Lab File: BN006234.D

Acq: 10 Jun 2019 21:45

Instrument :

BNA\_N

ClientSampleId :

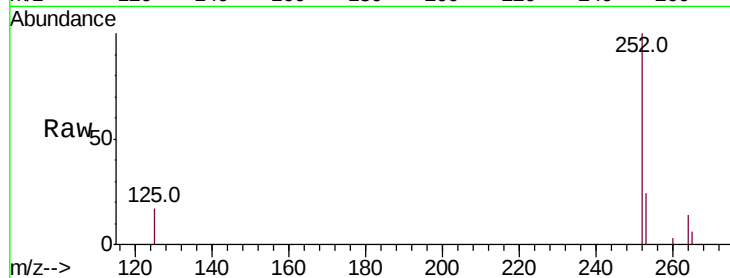
Tot Ion:252 Resp: 88205

Ion Ratio Lower Upper

252 100

253 23.8 21.1 31.7

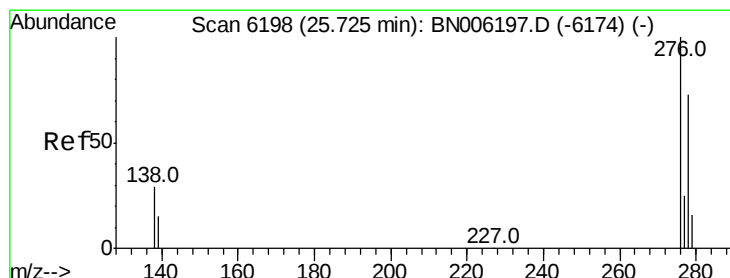
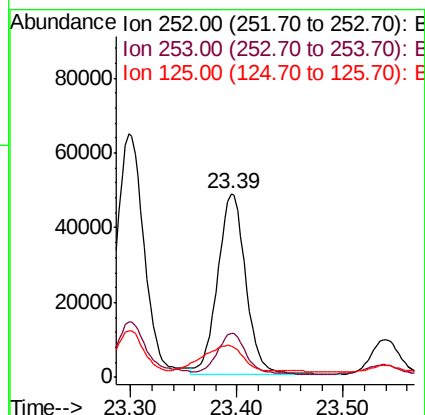
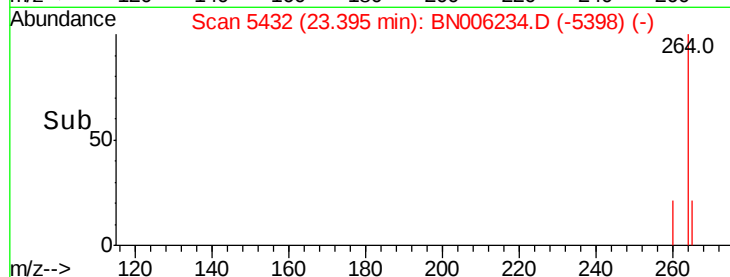
125 17.2 20.3 30.5#



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: 1.216 ng/ul

RT: 25.72 min Scan# 6197

Delta R.T. -0.00 min

Lab File: BN006234.D

Acq: 10 Jun 2019 21:45

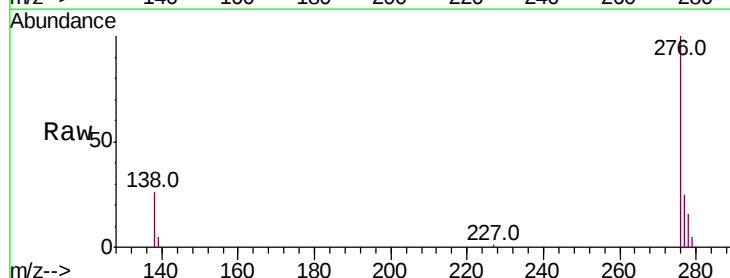
Tgt Ion:276 Resp: 91980

Ion Ratio Lower Upper

276 100

138 25.8 25.6 38.4

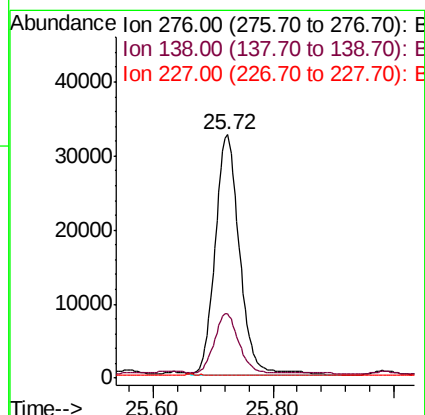
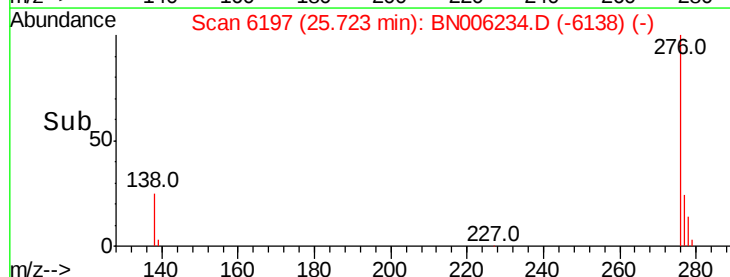
227 0.0 0.3 0.5#

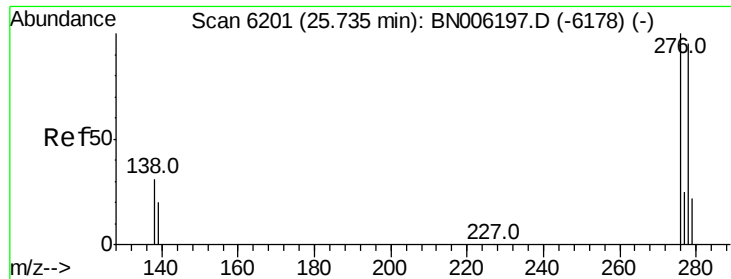


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.281 ng/ul

RT: 25.73 min Scan# 6199

Delta R.T. -0.01 min

Lab File: BN006234.D

Acq: 10 Jun 2019 21:45

Instrument :

BNA\_N

ClientSampleId :

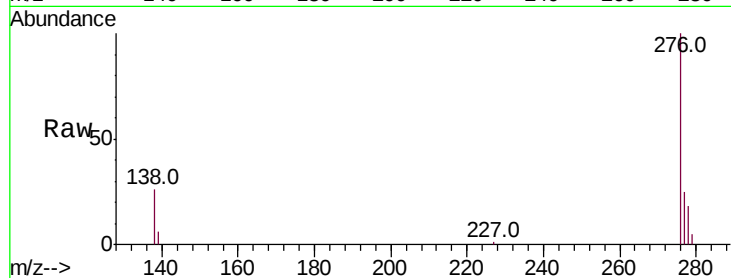
Tot Ion:278 Resp: 16978

Ion Ratio Lower Upper

278 100

139 32.8 21.2 31.8#

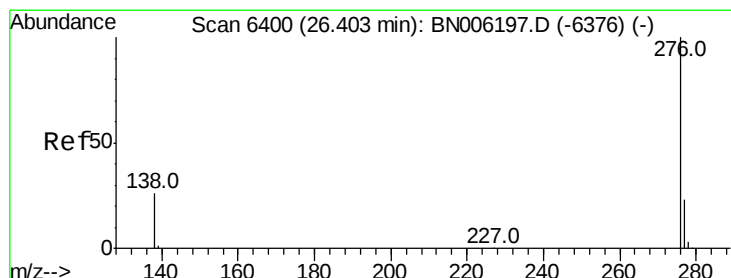
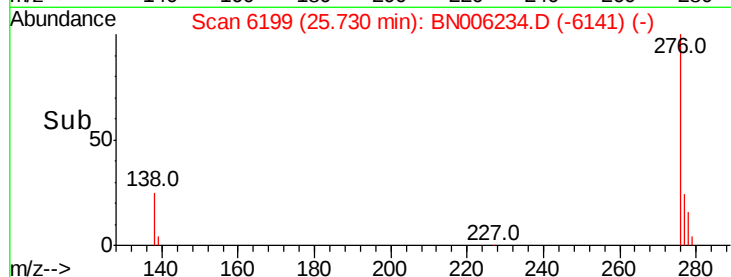
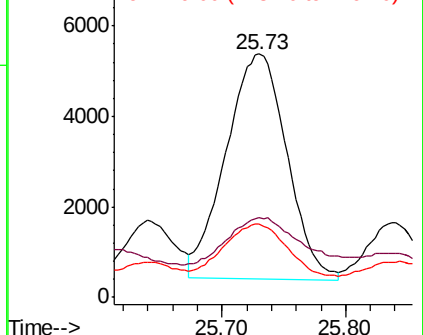
279 30.2 22.6 33.8



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(g,h,i)perylene

Concen: 1.272 ng/ul

RT: 26.41 min Scan# 6401

Delta R.T. 0.00 min

Lab File: BN006234.D

Acq: 10 Jun 2019 21:45

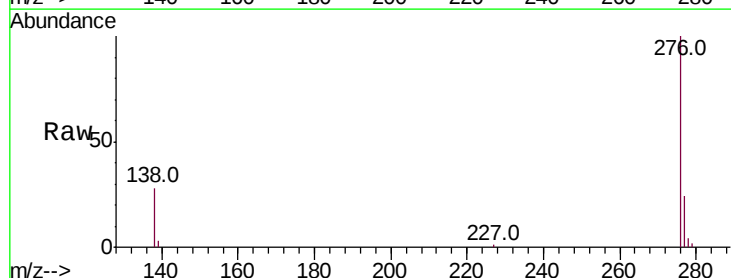
Tgt Ion:276 Resp: 80544

Ion Ratio Lower Upper

276 100

138 27.5 24.2 36.4

277 24.3 21.5 32.3



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

