

Data Path : Z:\HPCHEM1\BNA\_E\Data\BE050318\  
 Data File : BE096318.D  
 Acq On : 3 May 2018 9:33  
 Operator : SJ/JU  
 Sample : SSTD0.170  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTD0.170

Quant Time: May 03 11:37:59 2018  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE050318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 03 11:32:43 2018  
 Response via : Initial Calibration

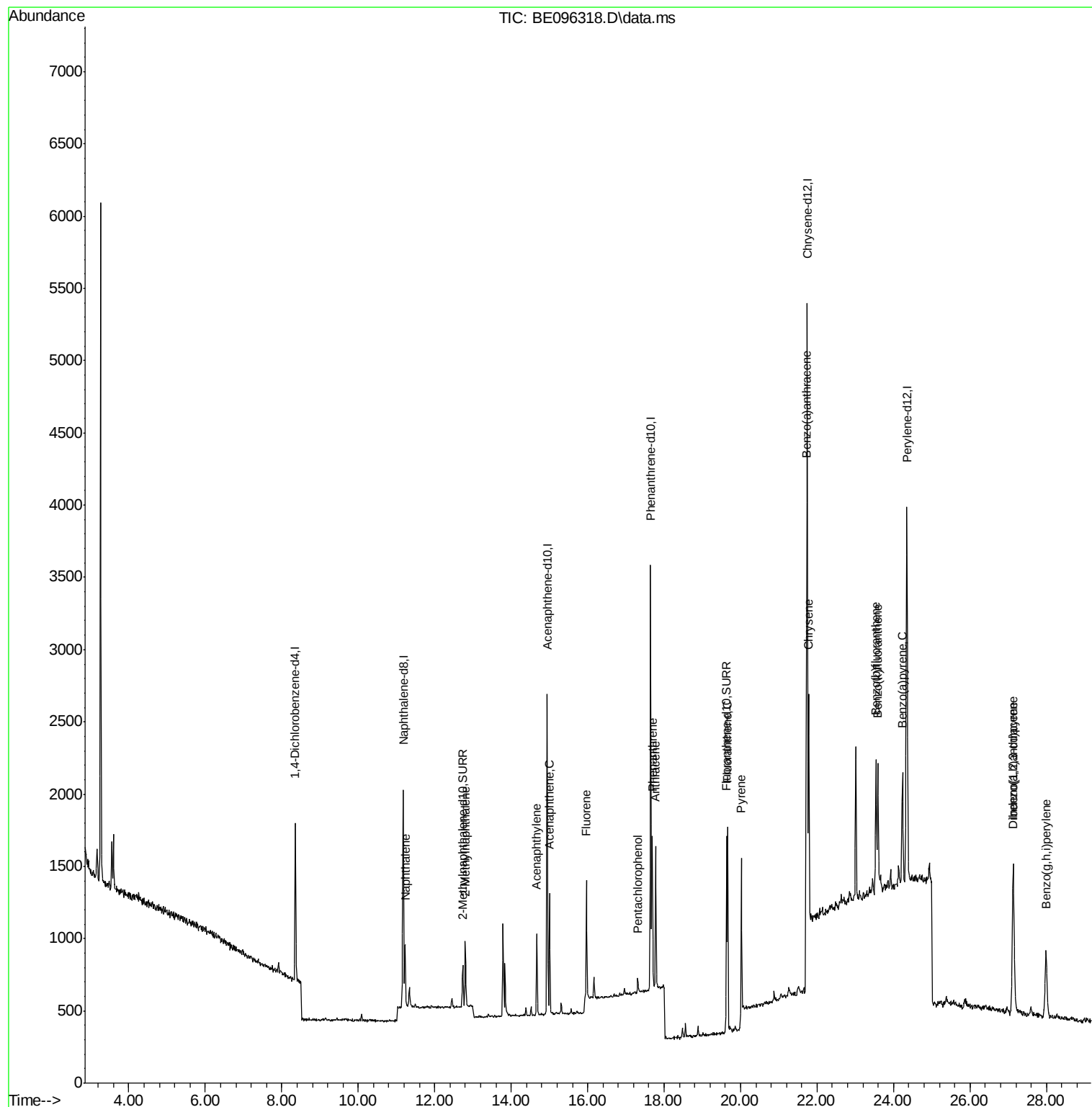
| Compound                    | R.T.   | QIon | Response | Conc | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|------|--------|----------|
| -----                       |        |      |          |      |        |          |
| Internal Standards          |        |      |          |      |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.353  | 152  | 581      | 0.40 | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 11.176 | 136  | 2130     | 0.40 | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.943 | 164  | 1230     | 0.40 | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.649 | 188  | 3529     | 0.40 | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.745 | 240  | 4588     | 0.40 | ng/ul  | 0.00     |
| 20) Perylene-d12            | 24.346 | 264  | 3926     | 0.40 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |      |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.731 | 152  | 391      | 0.10 | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.634 | 212  | 1573     | 0.10 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |      |        |          |
|                             |        |      |          |      | Qvalue |          |
| 3) Naphthalene              | 11.228 | 128  | 625      | 0.11 | ng/ul# | 74       |
| 5) 2-Methylnaphthalene      | 12.802 | 142  | 398      | 0.10 | ng/ul  | 95       |
| 7) Acenaphthylene           | 14.667 | 152  | 667      | 0.11 | ng/ul# | 88       |
| 8) Acenaphthene             | 15.002 | 153  | 487      | 0.11 | ng/ul# | 89       |
| 9) Fluorene                 | 15.974 | 166  | 667      | 0.11 | ng/ul# | 95       |
| 11) Pentachlorophenol       | 17.318 | 266  | 60       | 0.07 | ng/ul  | 92       |
| 12) Phenanthrene            | 17.691 | 178  | 1133     | 0.11 | ng/ul# | 92       |
| 13) Anthracene              | 17.782 | 178  | 1066     | 0.10 | ng/ul# | 94       |
| 15) Fluoranthene            | 19.663 | 202  | 1620     | 0.10 | ng/ul  | 86       |
| 17) Pyrene                  | 20.024 | 202  | 623      | 0.07 | ng/ul# | 87       |
| 18) Benzo(a)anthracene      | 21.730 | 228  | 837      | 0.06 | ng/ul# | 89       |
| 19) Chrysene                | 21.780 | 228  | 1459     | 0.11 | ng/ul  | 91       |
| 21) Benzo(b)fluoranthene    | 23.538 | 252  | 1399     | 0.09 | ng/ul# | 71       |
| 22) Benzo(k)fluoranthene    | 23.594 | 252  | 1388     | 0.10 | ng/ul# | 67       |
| 23) Benzo(a)pyrene          | 24.234 | 252  | 1347     | 0.10 | ng/ul# | 65       |
| 24) Indeno(1,2,3-cd)pyrene  | 27.130 | 276  | 1437     | 0.08 | ng/ul# | 79       |
| 25) Dibenzo(a,h)anthracene  | 27.133 | 278  | 1175     | 0.08 | ng/ul# | 68       |
| 26) Benzo(g,h,i)perylene    | 27.993 | 276  | 1210     | 0.08 | ng/ul# | 76       |
| -----                       |        |      |          |      |        |          |

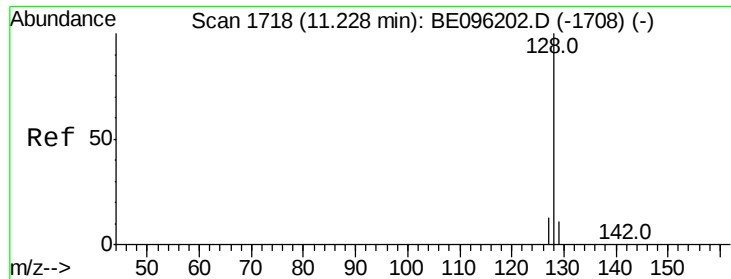
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_E\Data\BE050318\  
Data File : BE096318.D  
Acq On : 3 May 2018 9:33  
Operator : SJ/JU  
Sample : SST0.170  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleID :  
SSTD0.170

Quant Time: May 03 11:37:59 2018  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE050318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu May 03 11:32:43 2018  
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.11 ng/ul

RT: 11.228 min Scan# 17

Delta R.T. 0.007 min

Lab File: BE096318.D

Acq: 3 May 2018 9:33

Instrument :

BNA\_E

ClientSampleId :

SSTD0.170

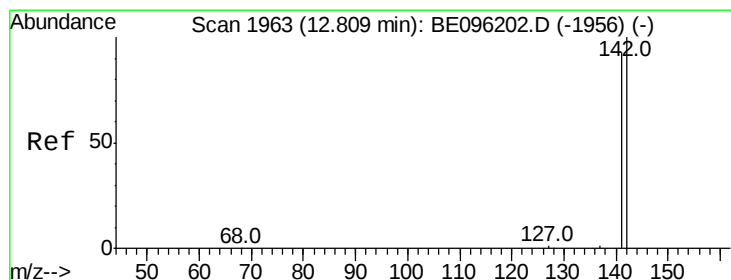
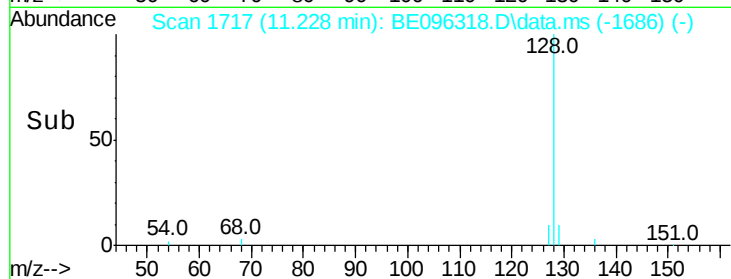
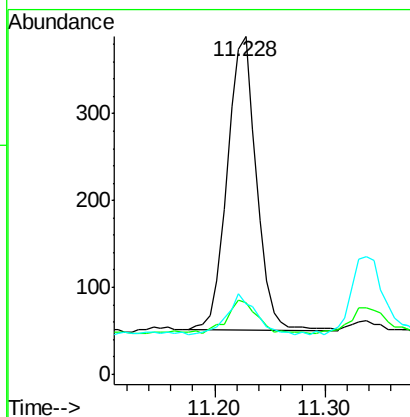
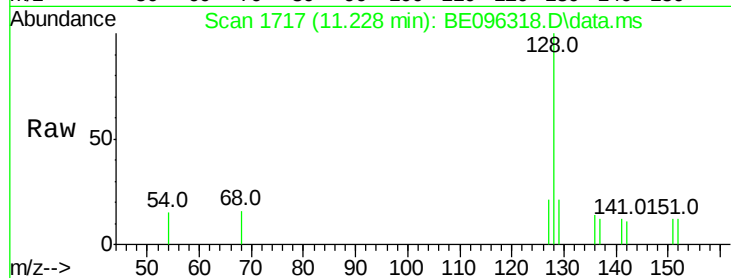
Tgt Ion:128 Resp: 625

Ion Ratio Lower Upper

128 100

129 21.3 11.3 16.9#

127 20.8 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.10 ng/ul

RT: 12.802 min Scan# 1961

Delta R.T. -0.006 min

Lab File: BE096318.D

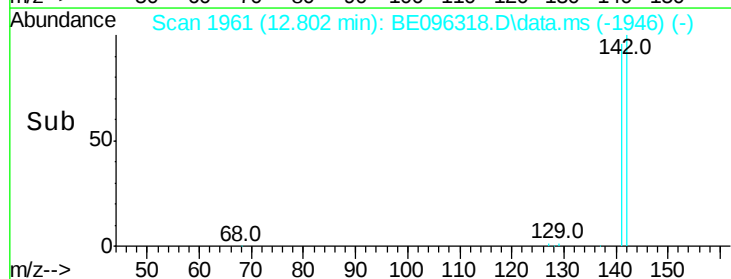
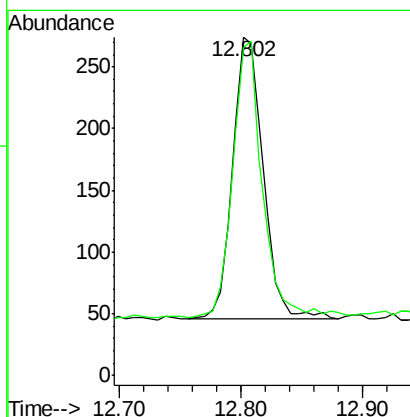
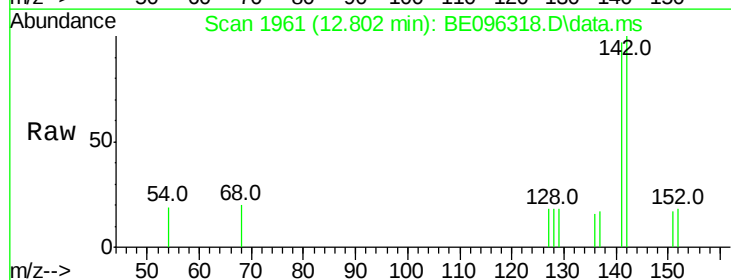
Acq: 3 May 2018 9:33

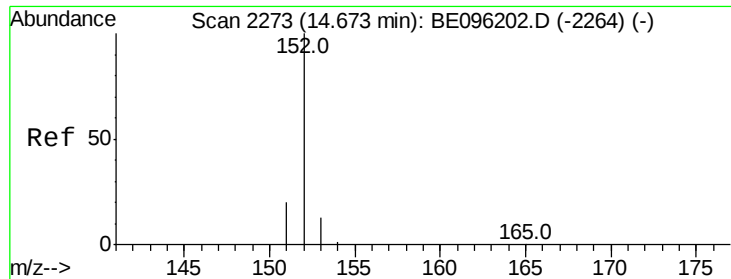
Tgt Ion:142 Resp: 398

Ion Ratio Lower Upper

142 100

141 95.7 72.6 108.8





#7

Acenaphthylene

Concen: 0.11 ng/ul

RT: 14.667 min Scan# 22

Delta R.T. -0.000 min

Lab File: BE096318.D

Acq: 3 May 2018 9:33

Instrument :

BNA\_E

ClientSampleId :

SSTD0.170

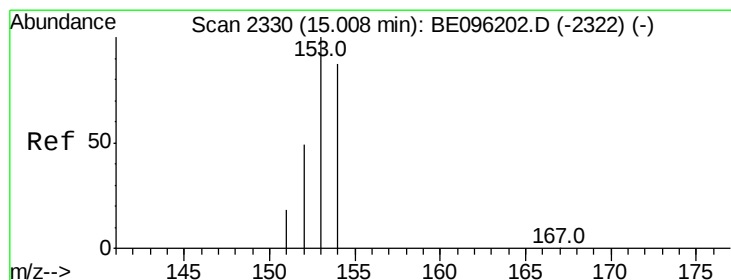
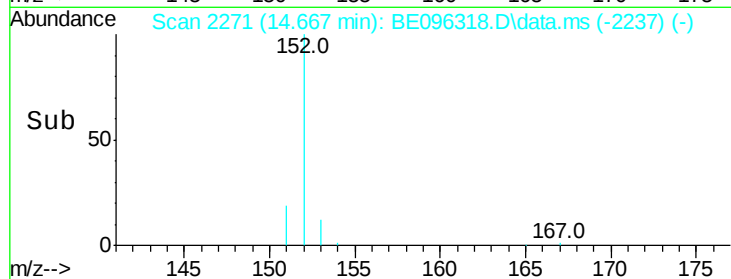
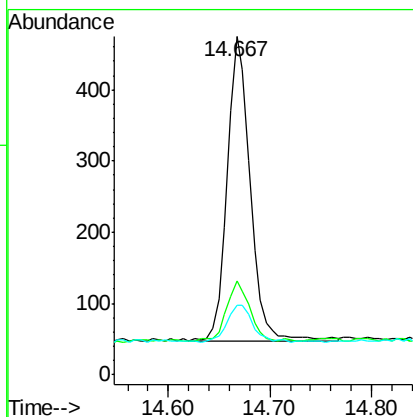
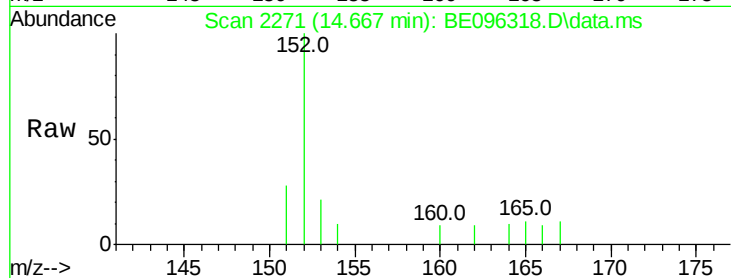
Tgt Ion:152 Resp: 667

Ion Ratio Lower Upper

152 100

151 27.6 17.1 25.7#

153 20.6 12.8 19.2#



#8

Acenaphthene

Concen: 0.11 ng/ul

RT: 15.002 min Scan# 2328

Delta R.T. -0.000 min

Lab File: BE096318.D

Acq: 3 May 2018 9:33

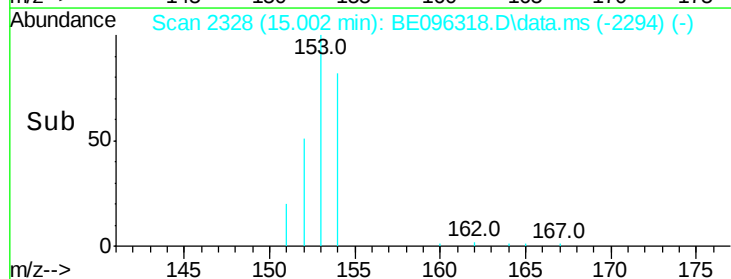
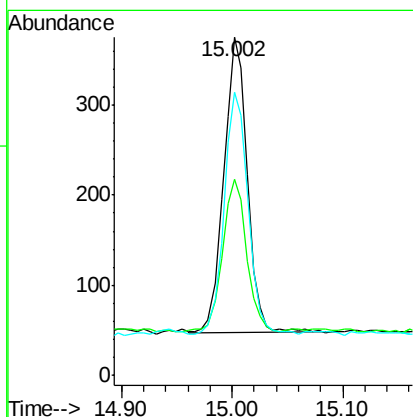
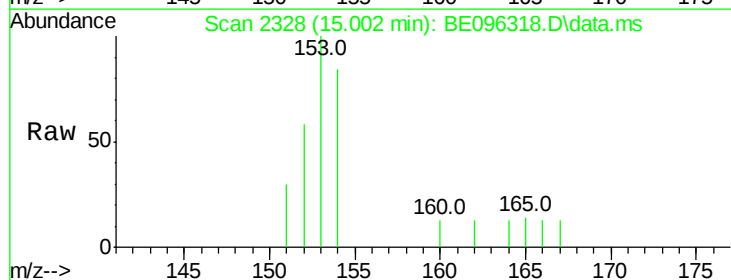
Tgt Ion:153 Resp: 487

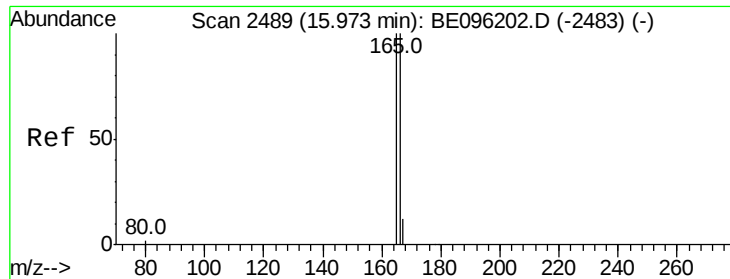
Ion Ratio Lower Upper

153 100

152 57.9 36.0 54.0#

154 83.7 72.0 108.0





#9

Fluorene

Concen: 0.11 ng/ul

RT: 15.974 min Scan# 24

Delta R.T. 0.007 min

Lab File: BE096318.D

Acq: 3 May 2018 9:33

Instrument :

BNA\_E

ClientSampleId :

SSTD0.170

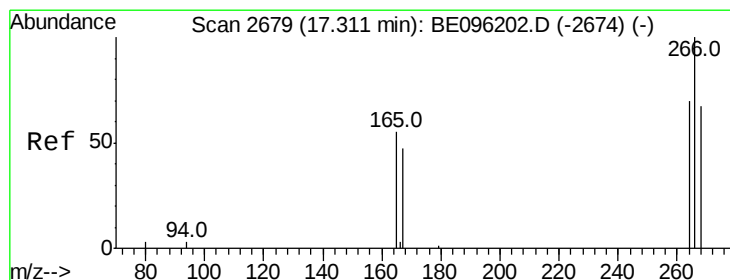
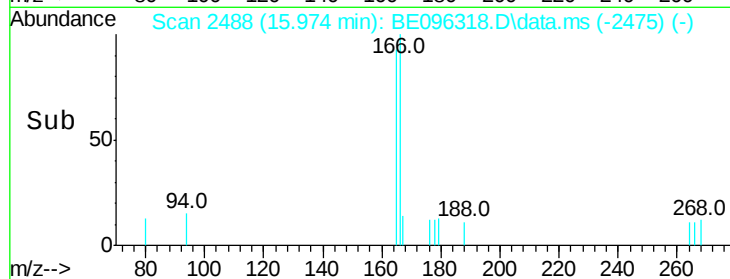
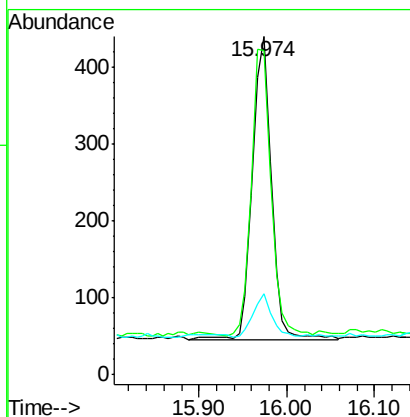
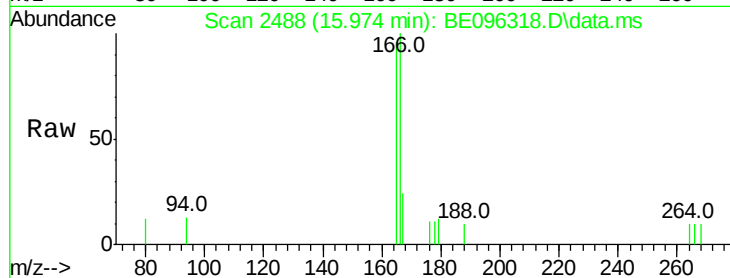
Tgt Ion:166 Resp: 667

Ion Ratio Lower Upper

166 100

165 95.7 73.4 110.2

167 23.9 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.07 ng/ul

RT: 17.318 min Scan# 2679

Delta R.T. 0.007 min

Lab File: BE096318.D

Acq: 3 May 2018 9:33

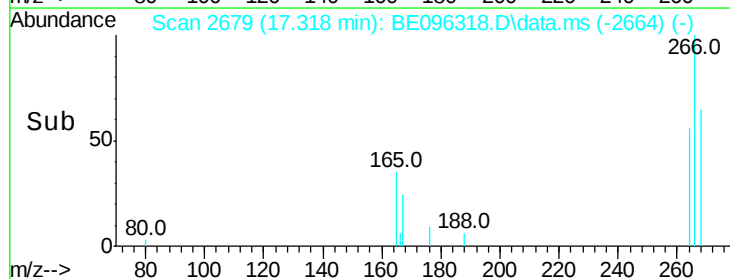
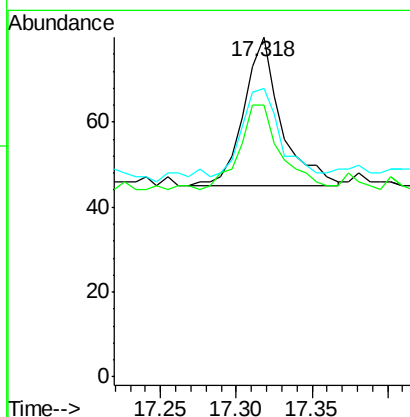
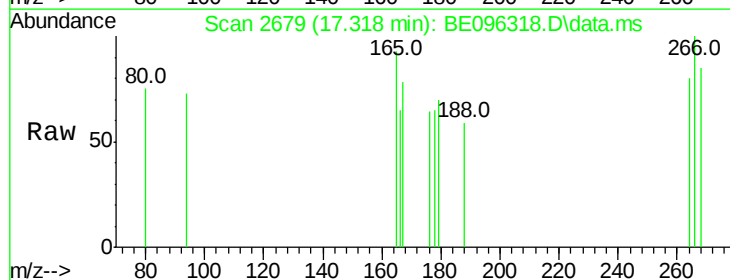
Tgt Ion:266 Resp: 60

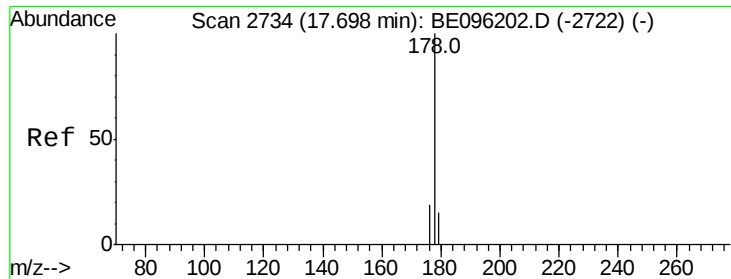
Ion Ratio Lower Upper

266 100

264 66.7 47.9 71.9

268 68.3 49.8 74.8





#12

Phenanthrene

Concen: 0.11 ng/ul

RT: 17.691 min Scan# 27

Delta R.T. -0.001 min

Lab File: BE096318.D

Acq: 3 May 2018 9:33

Instrument :

BNA\_E

ClientSampleId :

SSTD0.170

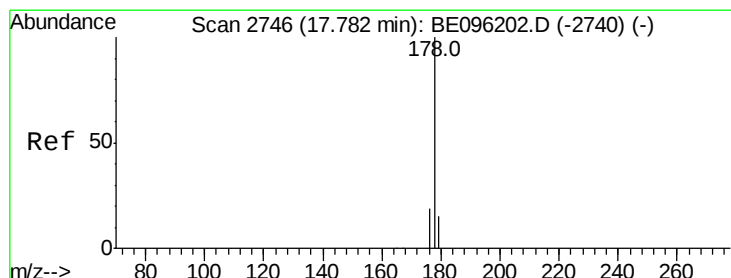
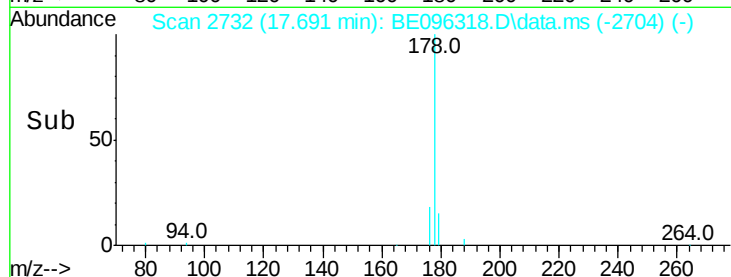
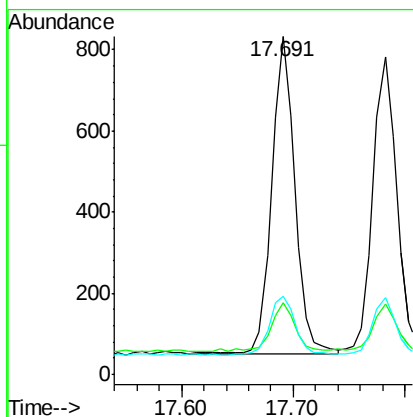
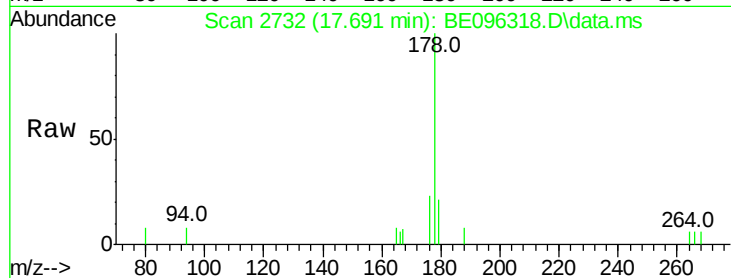
Tgt Ion:178 Resp: 1133

Ion Ratio Lower Upper

178 100

179 21.4 18.4 27.6

176 23.2 13.6 20.4#



#13

Anthracene

Concen: 0.10 ng/ul

RT: 17.782 min Scan# 2745

Delta R.T. -0.001 min

Lab File: BE096318.D

Acq: 3 May 2018 9:33

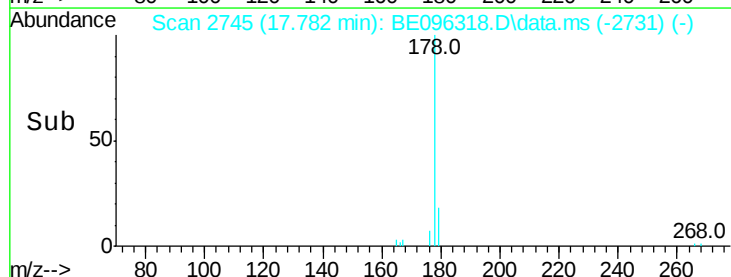
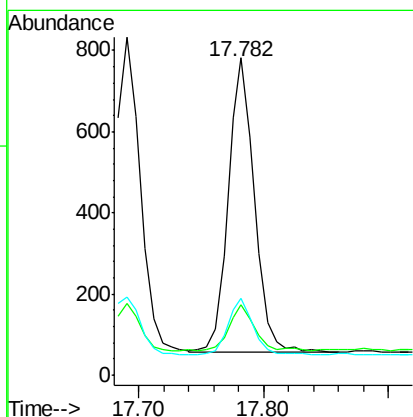
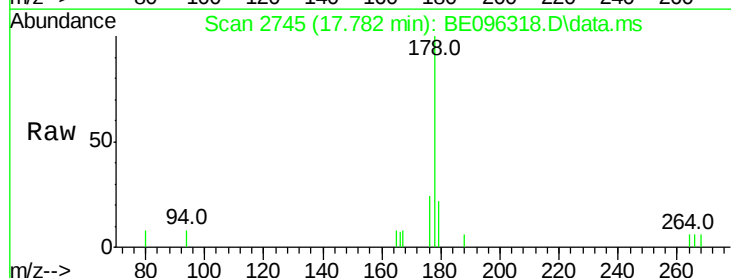
Tgt Ion:178 Resp: 1066

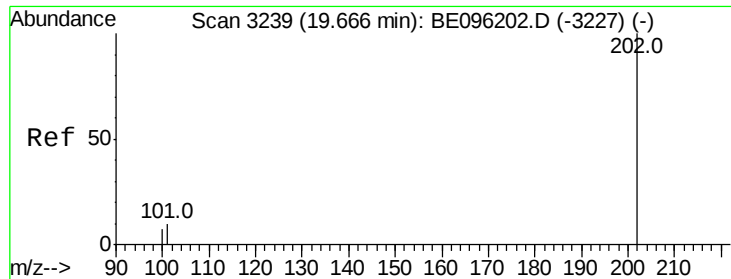
Ion Ratio Lower Upper

178 100

179 22.1 18.1 27.1

176 24.1 14.7 22.1#





#15

Fluoranthene

Concen: 0.10 ng/ul

RT: 19.663 min Scan# 32

Delta R.T. 0.000 min

Lab File: BE096318.D

Acq: 3 May 2018 9:33

Instrument :

BNA\_E

ClientSampleId :

SSTD0.170

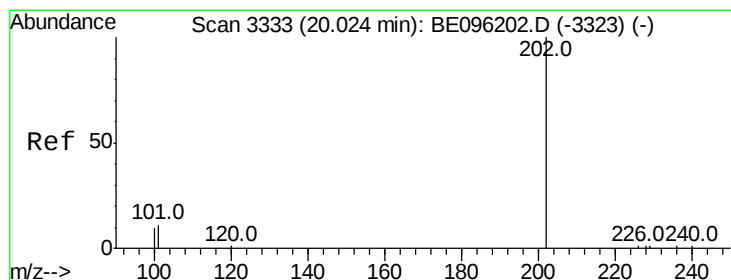
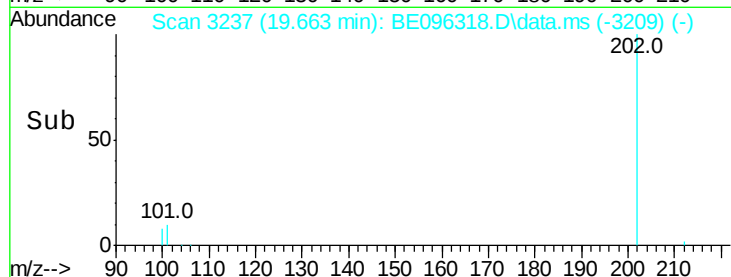
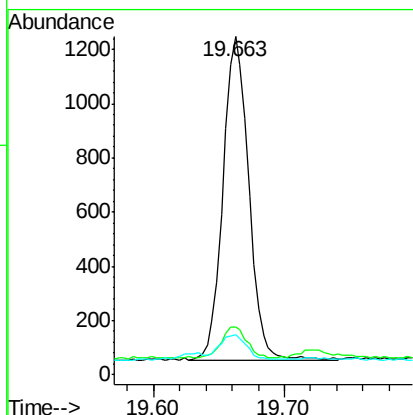
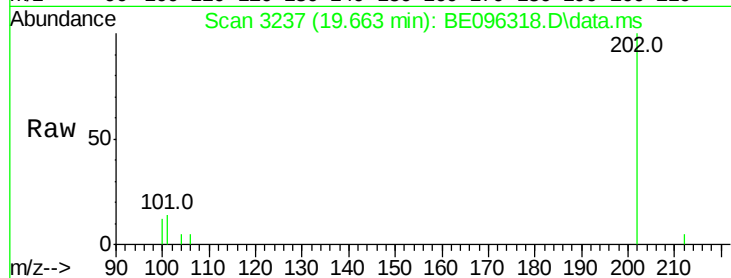
Tgt Ion:202 Resp: 1620

Ion Ratio Lower Upper

202 100

101 14.1 0.0 30.3

100 11.9 0.0 39.5



#17

Pyrene

Concen: 0.07 ng/ul

RT: 20.024 min Scan# 3332

Delta R.T. -0.000 min

Lab File: BE096318.D

Acq: 3 May 2018 9:33

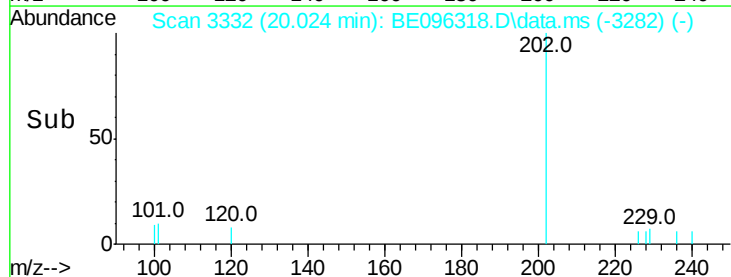
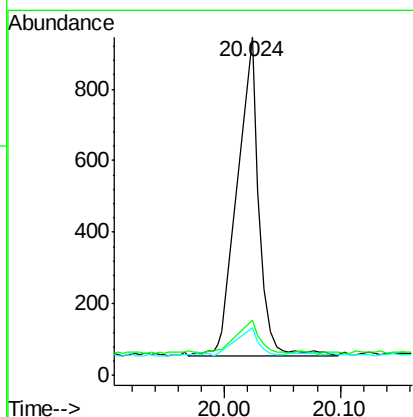
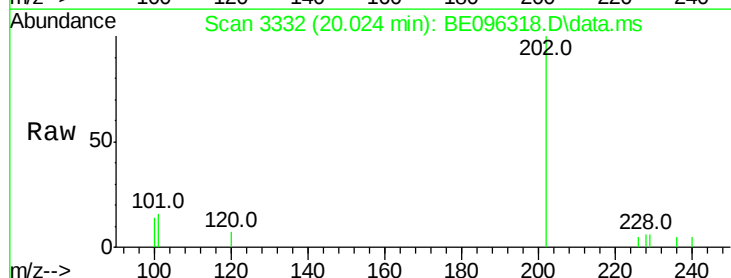
Tgt Ion:202 Resp: 623

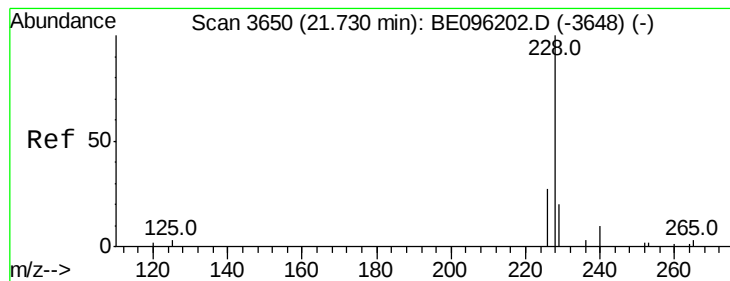
Ion Ratio Lower Upper

202 100

101 16.2 18.2 27.4#

100 14.0 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.06 ng/ul

RT: 21.730 min Scan# 36

Delta R.T. -0.000 min

Lab File: BE096318.D

Acq: 3 May 2018 9:33

Instrument :

BNA\_E

ClientSampleId :

SSTD0.170

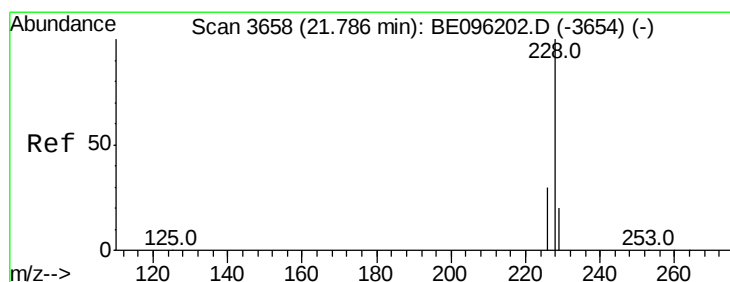
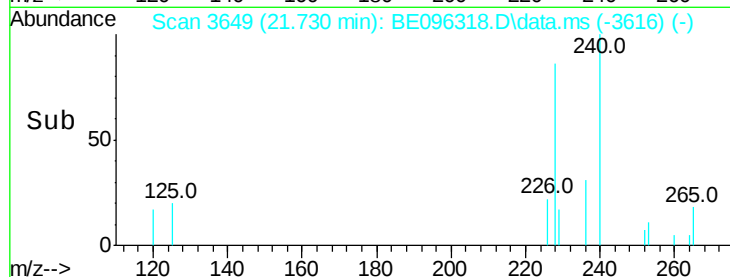
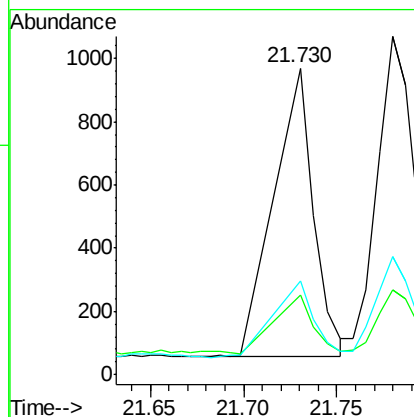
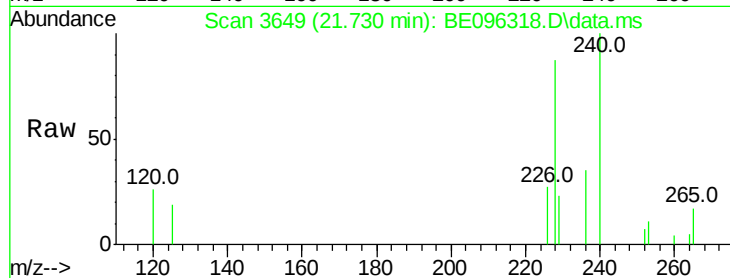
Tgt Ion:228 Resp: 837

Ion Ratio Lower Upper

228 100

229 26.1 22.8 34.2

226 30.5 17.0 25.6#



#19

Chrysene

Concen: 0.11 ng/ul

RT: 21.780 min Scan# 3656

Delta R.T. -0.000 min

Lab File: BE096318.D

Acq: 3 May 2018 9:33

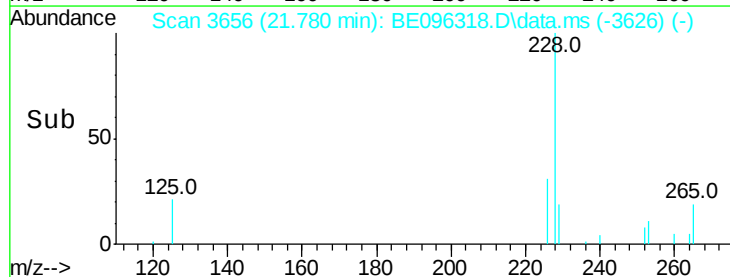
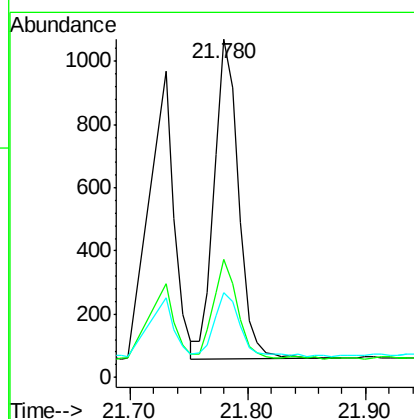
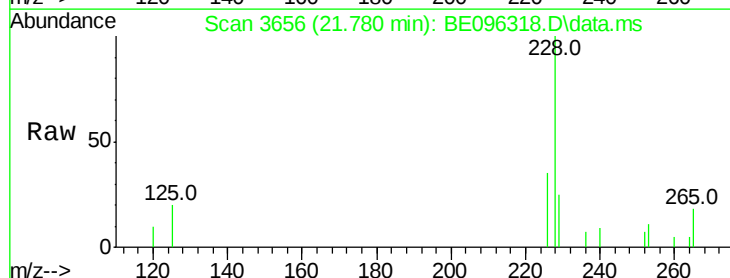
Tgt Ion:228 Resp: 1459

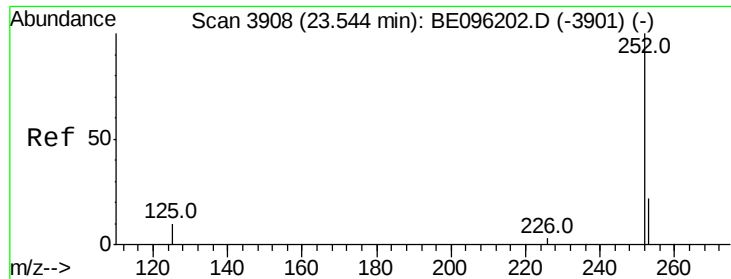
Ion Ratio Lower Upper

228 100

226 34.8 23.4 35.0

229 25.0 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.09 ng/ul

RT: 23.538 min Scan# 3908

Delta R.T. -0.000 min

Lab File: BE096318.D

Acq: 3 May 2018 9:33

Instrument :

BNA\_E

ClientSampleId :

SSTD0.170

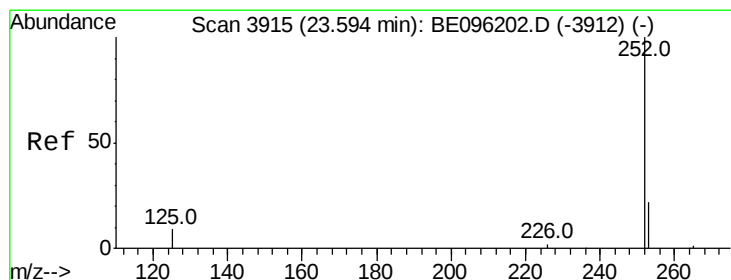
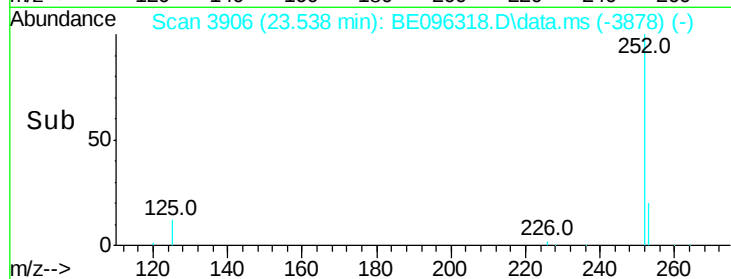
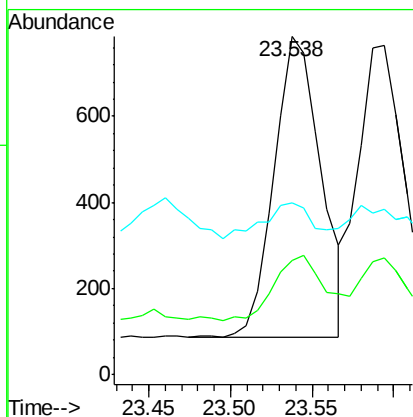
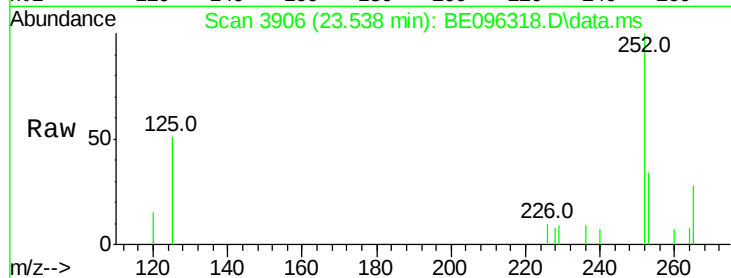
Tgt Ion:252 Resp: 1399

Ion Ratio Lower Upper

252 100

253 33.8 0.0 64.2

125 50.8 0.0 35.0#



#22

Benzo(k)fluoranthene

Concen: 0.10 ng/ul

RT: 23.594 min Scan# 3914

Delta R.T. -0.000 min

Lab File: BE096318.D

Acq: 3 May 2018 9:33

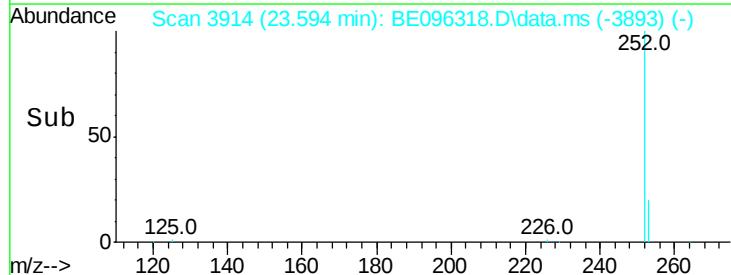
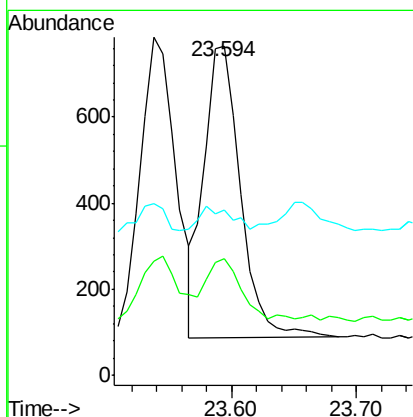
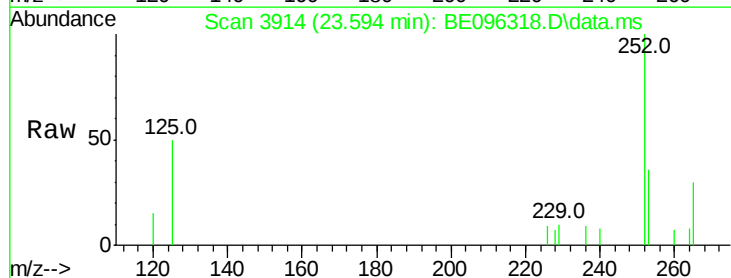
Tgt Ion:252 Resp: 1388

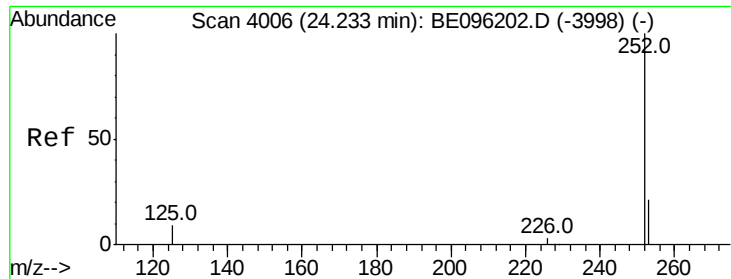
Ion Ratio Lower Upper

252 100

253 35.5 24.5 36.7

125 50.1 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.10 ng/ul

RT: 24.234 min Scan# 40

Delta R.T. 0.007 min

Lab File: BE096318.D

Acq: 3 May 2018 9:33

Instrument :

BNA\_E

ClientSampleId :

SSTD0.170

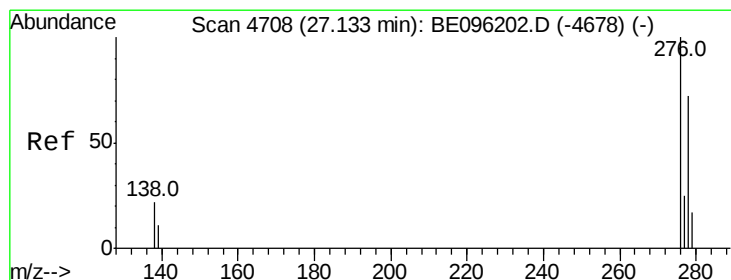
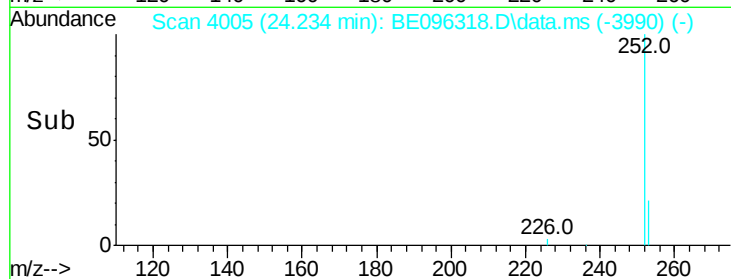
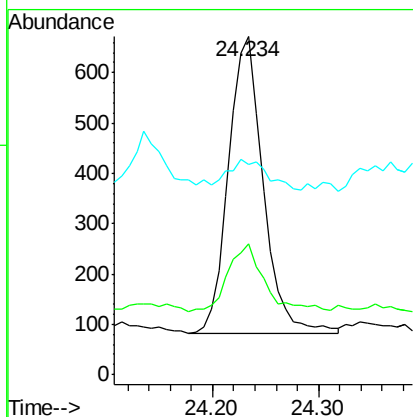
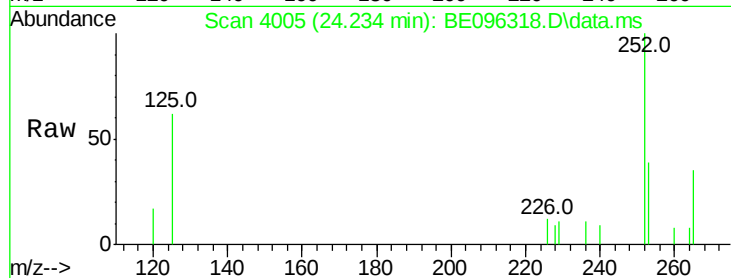
Tgt Ion:252 Resp: 1347

Ion Ratio Lower Upper

252 100

253 38.8 28.5 42.7

125 62.1 18.1 27.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.08 ng/ul

RT: 27.130 min Scan# 4706

Delta R.T. 0.004 min

Lab File: BE096318.D

Acq: 3 May 2018 9:33

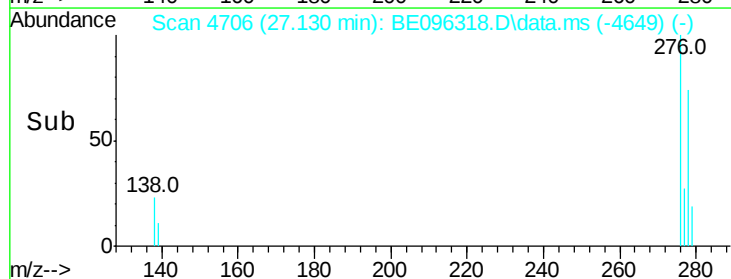
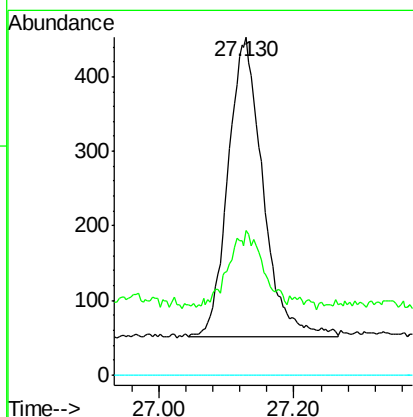
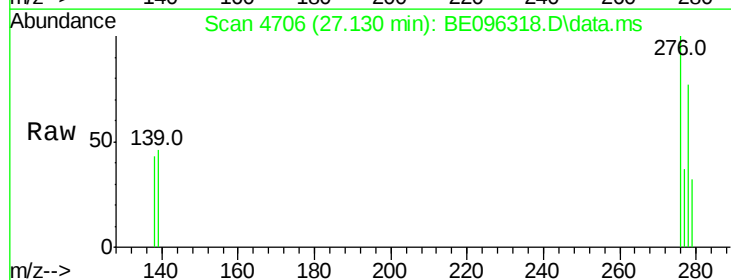
Tgt Ion:276 Resp: 1437

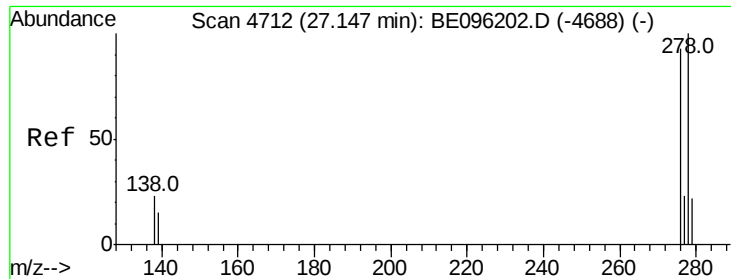
Ion Ratio Lower Upper

276 100

138 23.5 28.0 42.0#

227 0.0 8.0 12.0#

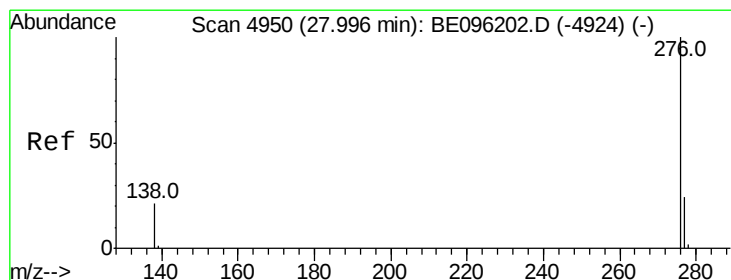
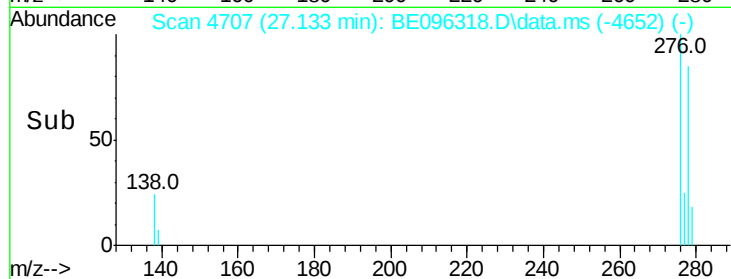
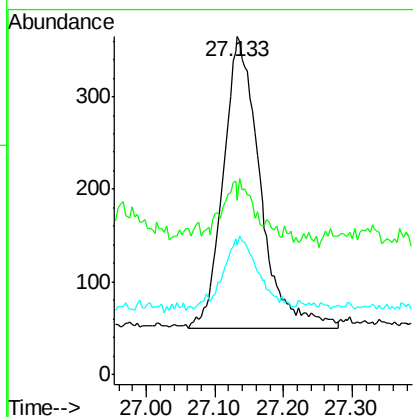
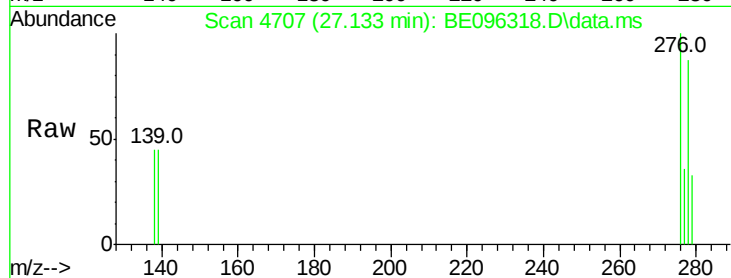




#25  
 Dibenzo(a,h)anthracene  
 Concen: 0.08 ng/ul  
 RT: 27.133 min Scan# 47  
 Delta R.T. -0.003 min  
 Lab File: BE096318.D  
 Acq: 3 May 2018 9:33

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTD0.170

Tgt Ion:278 Resp: 1175  
 Ion Ratio Lower Upper  
 278 100  
 139 51.5 17.4 26.0#  
 279 38.4 25.9 38.9



#26  
 Benzo(g,h,i)perylene  
 Concen: 0.08 ng/ul  
 RT: 27.993 min Scan# 4948  
 Delta R.T. 0.004 min  
 Lab File: BE096318.D  
 Acq: 3 May 2018 9:33

Tgt Ion:276 Resp: 1210  
 Ion Ratio Lower Upper  
 276 100  
 138 40.0 21.8 32.8#  
 277 37.5 20.5 30.7#

