

Data Path : Z:\HPCHEM1\BNA\_E\Data\BE040618\  
 Data File : BE095958.D  
 Acq On : 6 Apr 2018 16:03  
 Operator : SJ/JU  
 Sample : SSTD3.234  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTD3.234

Quant Time: Apr 06 16:45:17 2018  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE040618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 06 15:00:12 2018  
 Response via : Initial Calibration

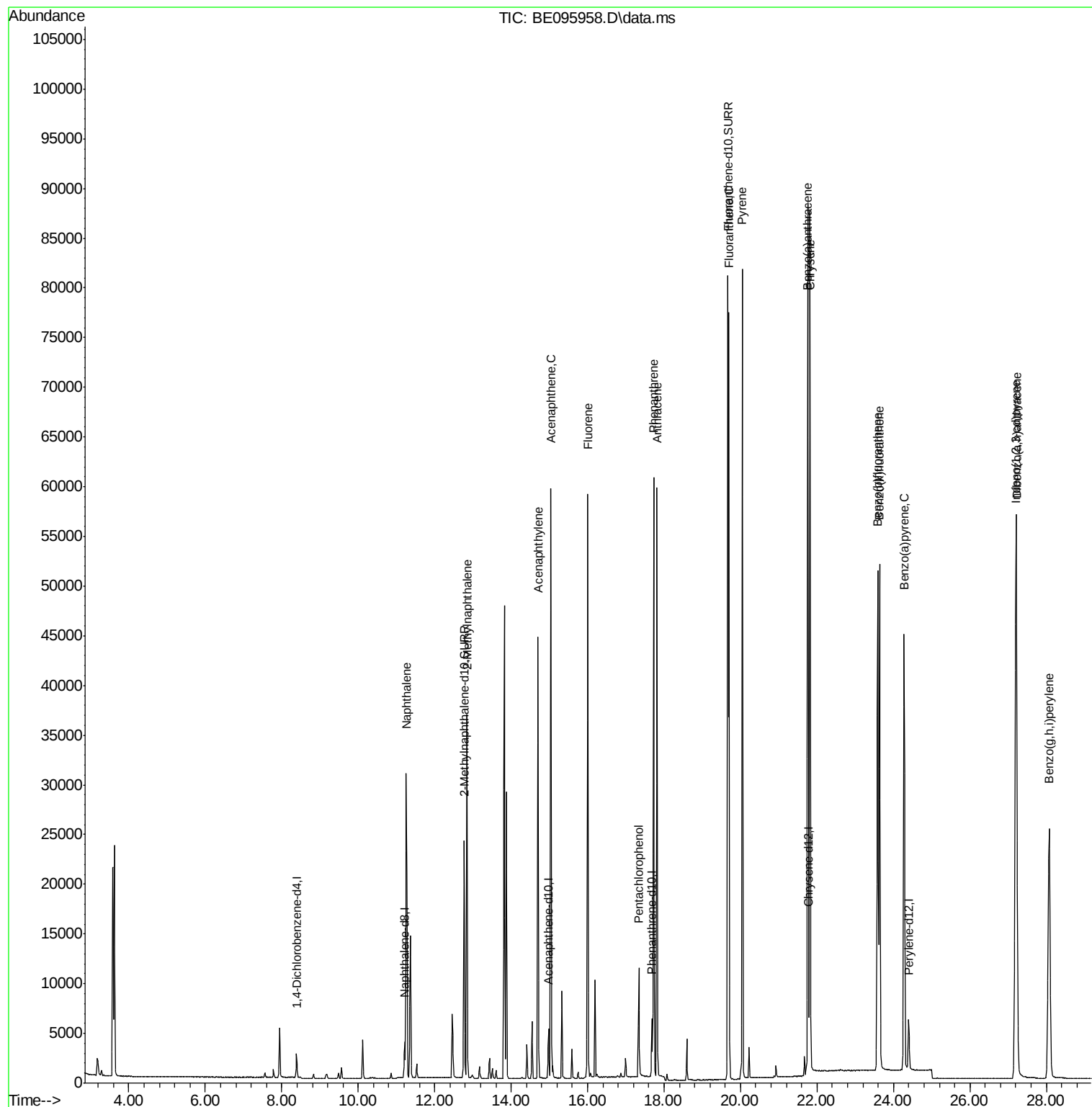
| Compound                    | R.T.   | QIon | Response | Conc | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|------|--------|----------|
| -----                       |        |      |          |      |        |          |
| Internal Standards          |        |      |          |      |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.390  | 152  | 1883     | 0.40 | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 11.214 | 136  | 4889     | 0.40 | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.978 | 164  | 2809     | 0.40 | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.684 | 188  | 6723     | 0.40 | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.781 | 240  | 9252     | 0.40 | ng/ul  | 0.00     |
| 20) Perylene-d12            | 24.397 | 264  | 7187     | 0.40 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |      |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.769 | 152  | 29262    | 3.53 | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.666 | 212  | 87480    | 4.10 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |      |        |          |
|                             |        |      |          |      | Qvalue |          |
| 3) Naphthalene              | 11.259 | 128  | 42559    | 3.12 | ng/ul# | 88       |
| 5) 2-Methylnaphthalene      | 12.840 | 142  | 29899    | 3.15 | ng/ul  | 100      |
| 7) Acenaphthylene           | 14.702 | 152  | 47557    | 3.35 | ng/ul  | 95       |
| 8) Acenaphthene             | 15.037 | 153  | 33257    | 3.11 | ng/ul  | 95       |
| 9) Fluorene                 | 16.002 | 166  | 37588    | 3.24 | ng/ul# | 90       |
| 11) Pentachlorophenol       | 17.339 | 266  | 5400     | 5.71 | ng/ul  | 97       |
| 12) Phenanthrene            | 17.726 | 178  | 62175    | 3.09 | ng/ul# | 88       |
| 13) Anthracene              | 17.818 | 178  | 64103    | 3.41 | ng/ul# | 91       |
| 15) Fluoranthene            | 19.695 | 202  | 84939    | 3.48 | ng/ul  | 83       |
| 17) Pyrene                  | 20.050 | 202  | 92419    | 2.63 | ng/ul# | 78       |
| 18) Benzo(a)anthracene      | 21.760 | 228  | 111107   | 3.72 | ng/ul# | 85       |
| 19) Chrysene                | 21.816 | 228  | 77396    | 2.55 | ng/ul  | 96       |
| 21) Benzo(b)fluoranthene    | 23.588 | 252  | 74087    | 2.98 | ng/ul  | 82       |
| 22) Benzo(k)fluoranthene    | 23.637 | 252  | 74031    | 3.13 | ng/ul# | 84       |
| 23) Benzo(a)pyrene          | 24.277 | 252  | 71333    | 3.14 | ng/ul# | 76       |
| 24) Indeno(1,2,3-cd)pyrene  | 27.199 | 276  | 79521    | 3.16 | ng/ul# | 78       |
| 25) Dibenzo(a,h)anthracene  | 27.217 | 278  | 65144    | 3.23 | ng/ul# | 85       |
| 26) Benzo(g,h,i)perylene    | 28.073 | 276  | 65764    | 3.04 | ng/ul# | 91       |
| -----                       |        |      |          |      |        |          |

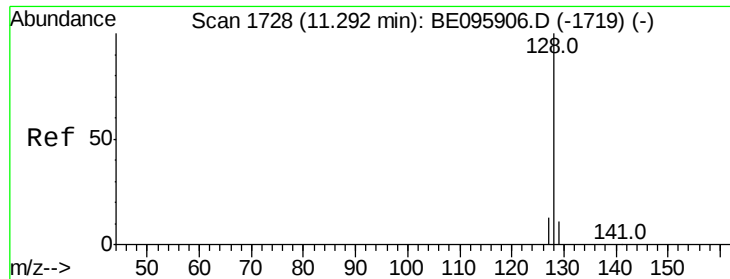
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_E\Data\BE040618\  
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QLast Update : Fri Apr 06 15:00:12 2018  
Response via : Initial Calibration





#3

Naphthalene

Concen: 3.12 ng/ul

RT: 11.259 min Scan# 17

Delta R.T. -0.001 min

Lab File: BE095958.D

Acq: 6 Apr 2018 16:03

Instrument :

BNA\_E

ClientSampleId :

SSTD3.234

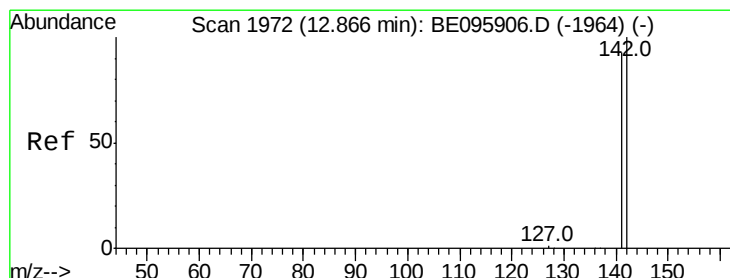
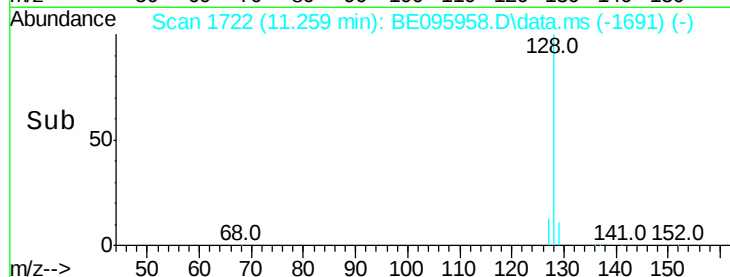
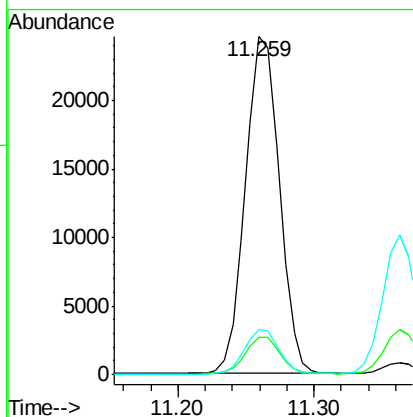
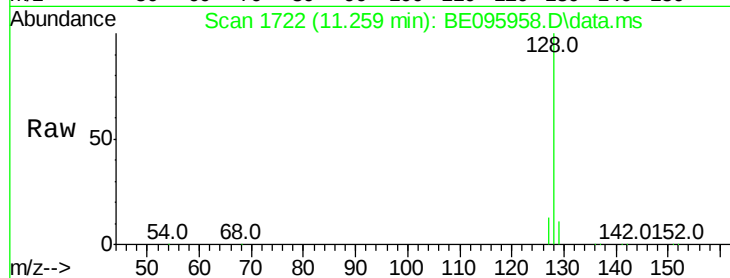
Tgt Ion:128 Resp: 42559

Ion Ratio Lower Upper

128 100

129 11.1 11.3 16.9#

127 13.5 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 3.15 ng/ul

RT: 12.840 min Scan# 1967

Delta R.T. -0.001 min

Lab File: BE095958.D

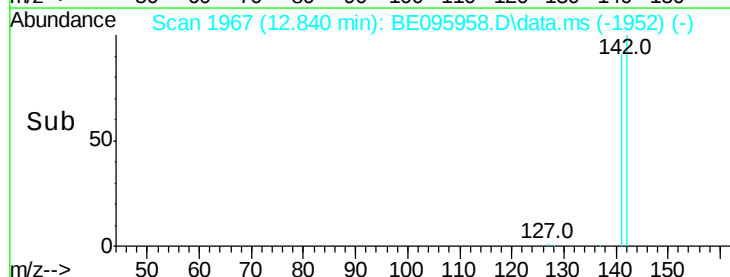
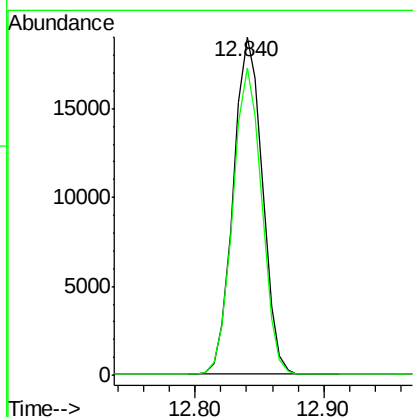
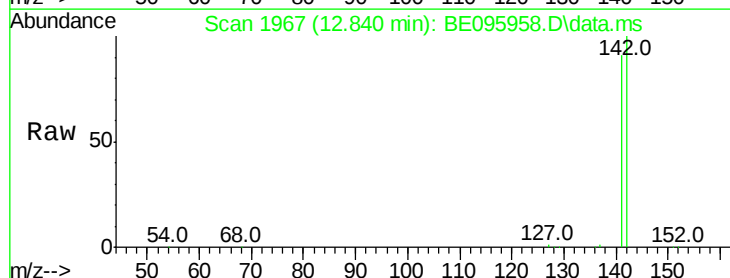
Acq: 6 Apr 2018 16:03

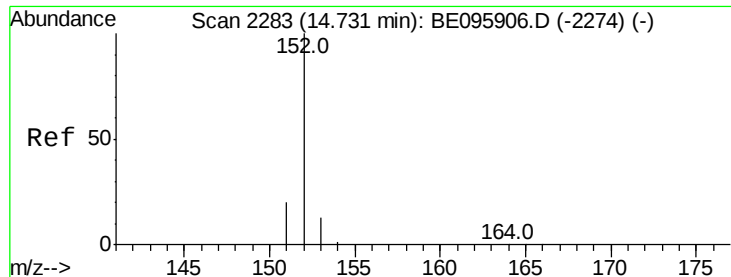
Tgt Ion:142 Resp: 29899

Ion Ratio Lower Upper

142 100

141 90.4 72.6 108.8





#7

Acenaphthylene

Concen: 3.35 ng/ul

RT: 14.702 min Scan# 22

Delta R.T. 0.000 min

Lab File: BE095958.D

Acq: 6 Apr 2018 16:03

Instrument :

BNA\_E

ClientSampleId :

SSTD3.234

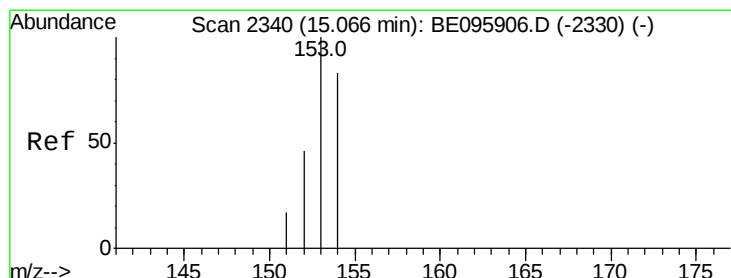
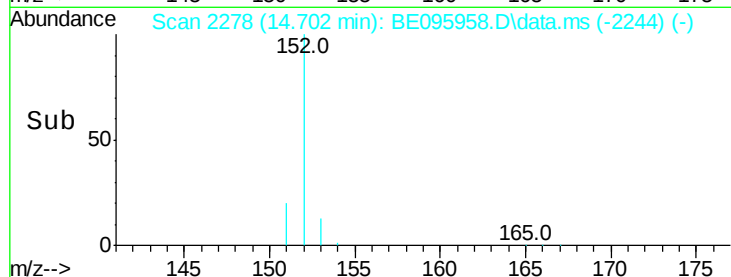
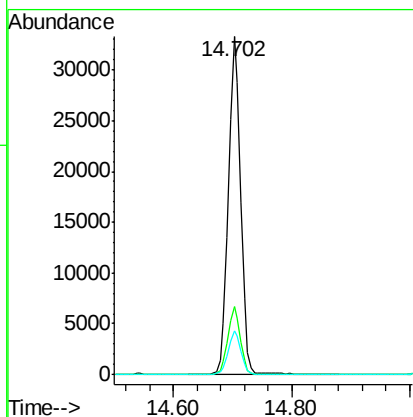
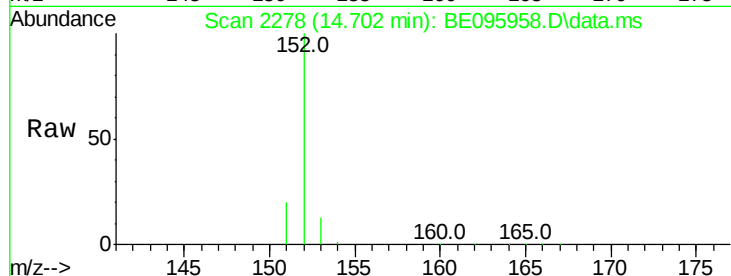
Tgt Ion:152 Resp: 47557

Ion Ratio Lower Upper

152 100

151 20.1 17.1 25.7

153 12.9 12.8 19.2



#8

Acenaphthene

Concen: 3.11 ng/ul

RT: 15.037 min Scan# 2335

Delta R.T. 0.000 min

Lab File: BE095958.D

Acq: 6 Apr 2018 16:03

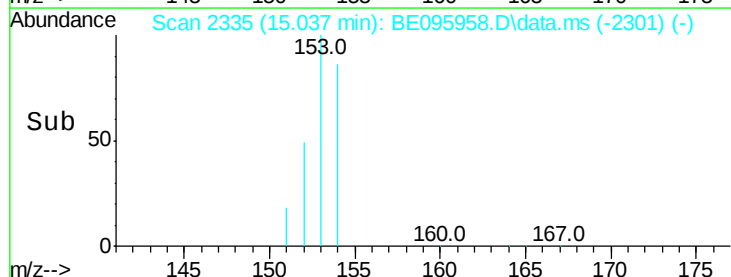
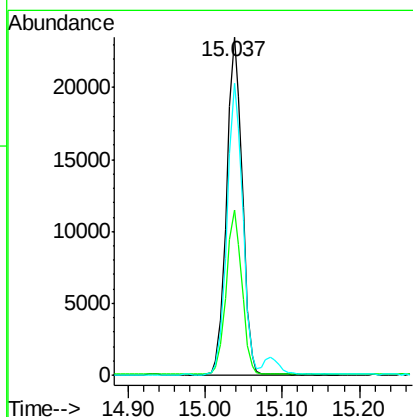
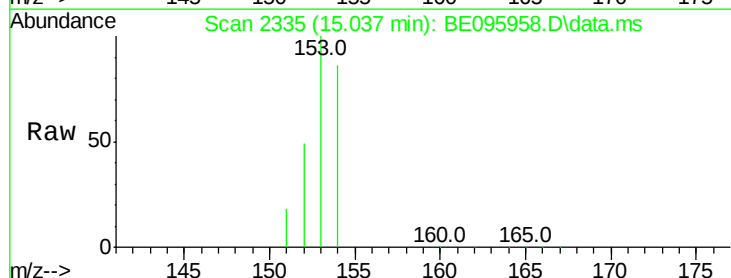
Tgt Ion:153 Resp: 33257

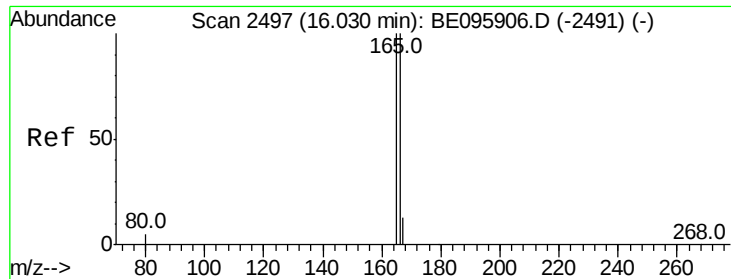
Ion Ratio Lower Upper

153 100

152 48.8 36.0 54.0

154 86.4 72.0 108.0





#9

Fluorene

Concen: 3.24 ng/ul

RT: 16.002 min Scan# 24

Delta R.T. 0.001 min

Lab File: BE095958.D

Acq: 6 Apr 2018 16:03

Instrument :

BNA\_E

ClientSampleId :

SSTD3.234

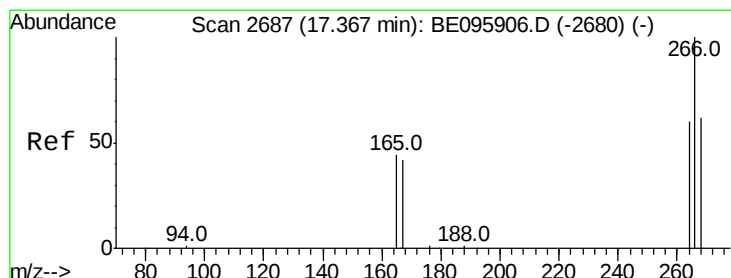
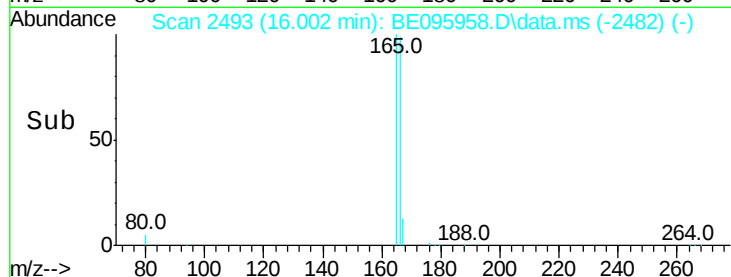
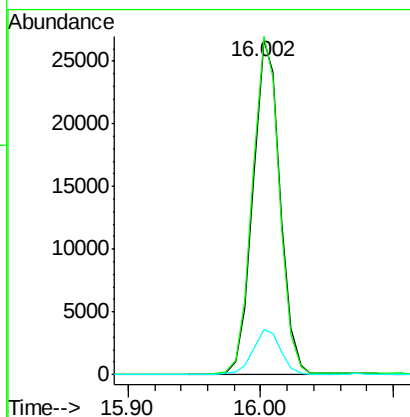
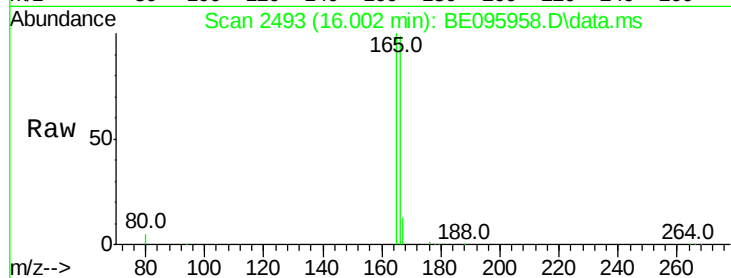
Tgt Ion:166 Resp: 37588

Ion Ratio Lower Upper

166 100

165 101.2 73.4 110.2

167 13.3 14.6 22.0#



#11

Pentachlorophenol

Concen: 5.71 ng/ul

RT: 17.339 min Scan# 2683

Delta R.T. 0.001 min

Lab File: BE095958.D

Acq: 6 Apr 2018 16:03

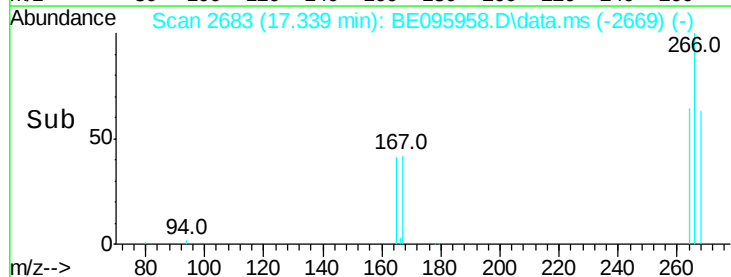
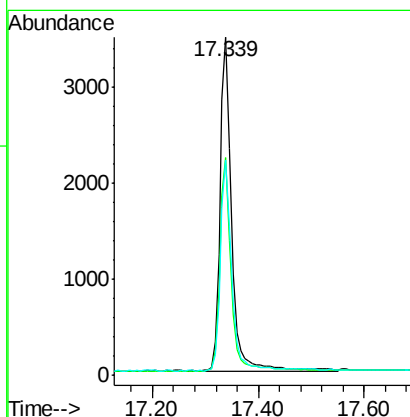
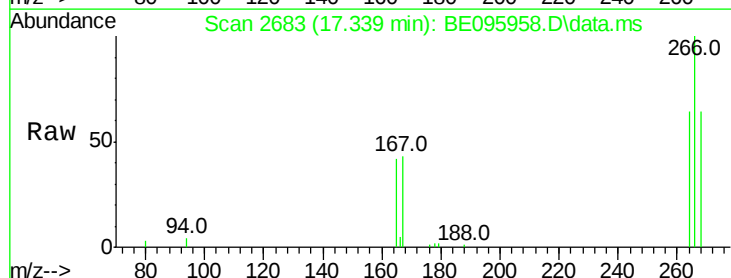
Tgt Ion:266 Resp: 5400

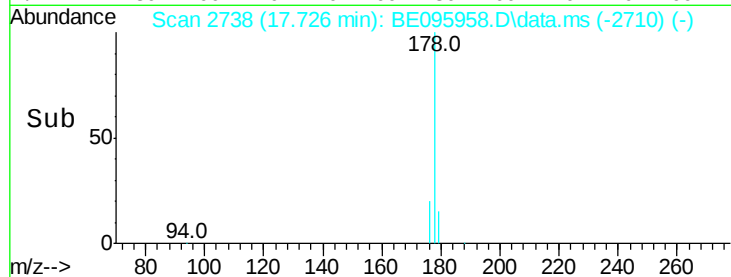
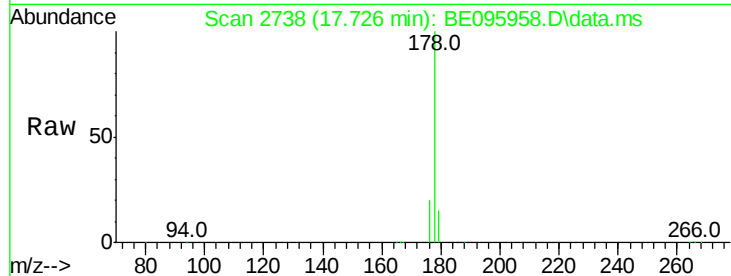
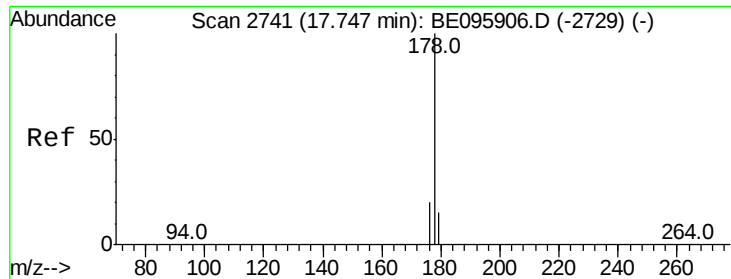
Ion Ratio Lower Upper

266 100

264 63.6 47.9 71.9

268 63.1 49.8 74.8





#12

Phenanthrene

Concen: 3.09 ng/ul

RT: 17.726 min Scan# 27

Delta R.T. 0.001 min

Lab File: BE095958.D

Acq: 6 Apr 2018 16:03

Instrument :

BNA\_E

ClientSampleId :

SSTD3.234

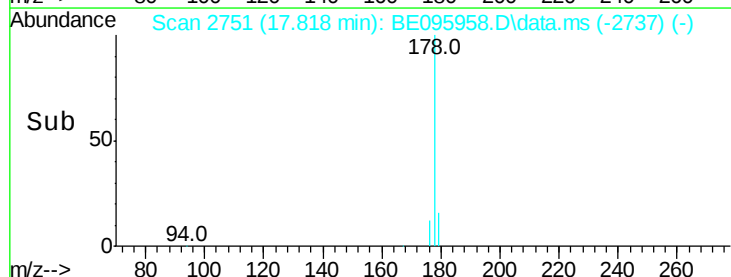
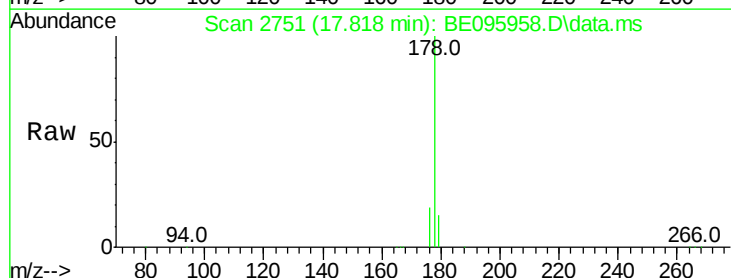
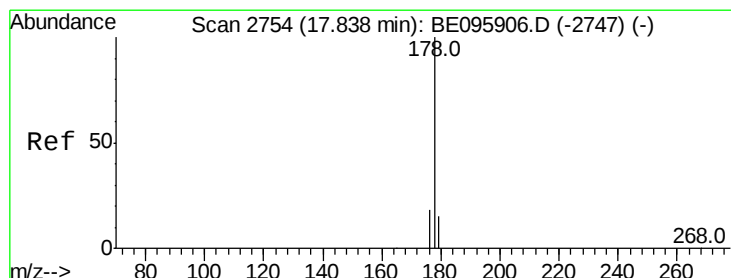
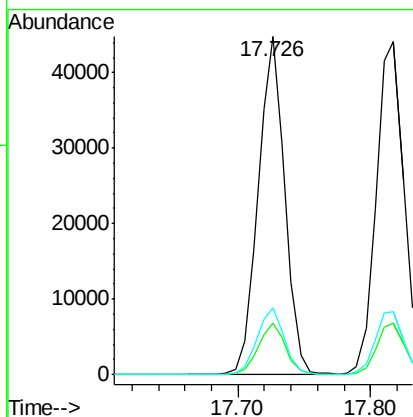
Tgt Ion:178 Resp: 62175

Ion Ratio Lower Upper

178 100

179 15.2 18.4 27.6#

176 19.6 13.6 20.4



#13

Anthracene

Concen: 3.41 ng/ul

RT: 17.818 min Scan# 2751

Delta R.T. 0.001 min

Lab File: BE095958.D

Acq: 6 Apr 2018 16:03

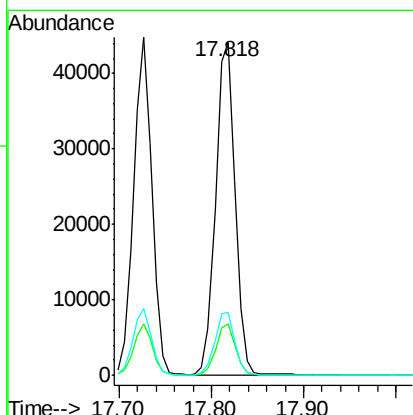
Tgt Ion:178 Resp: 64103

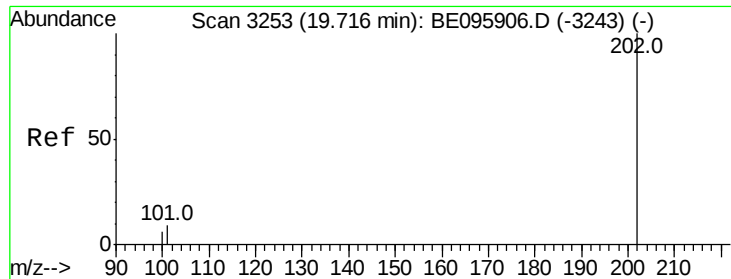
Ion Ratio Lower Upper

178 100

179 15.4 18.1 27.1#

176 18.9 14.7 22.1





#15

Fluoranthene

Concen: 3.48 ng/ul

RT: 19.695 min Scan# 32

Delta R.T. -0.000 min

Lab File: BE095958.D

Acq: 6 Apr 2018 16:03

Instrument :

BNA\_E

ClientSampleId :

SSTD3.234

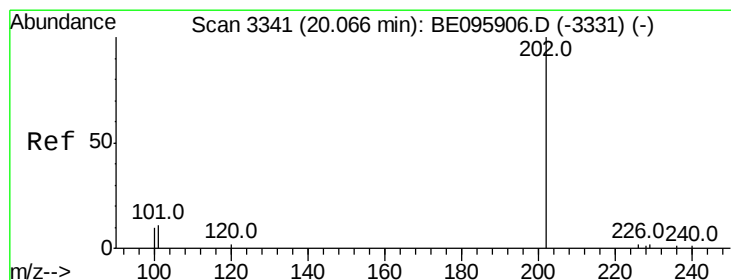
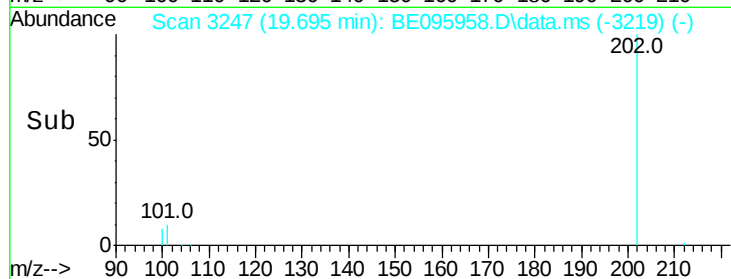
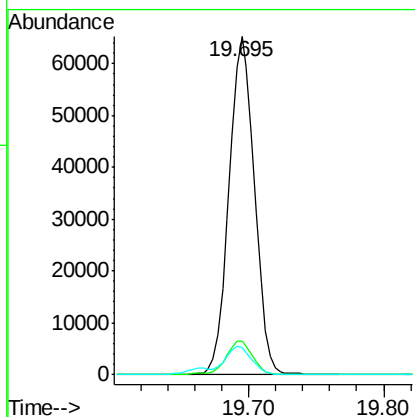
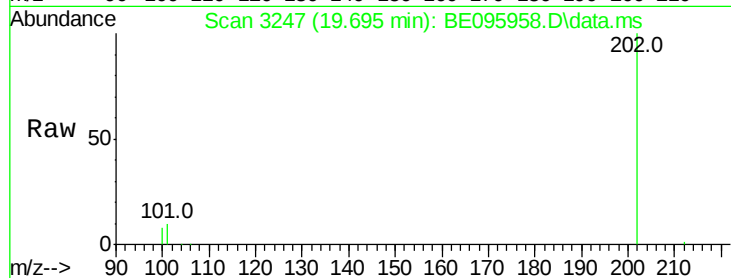
Tgt Ion:202 Resp: 84939

Ion Ratio Lower Upper

202 100

101 9.8 0.0 30.3

100 8.2 0.0 39.5



#17

Pyrene

Concen: 2.63 ng/ul

RT: 20.050 min Scan# 3338

Delta R.T. -0.000 min

Lab File: BE095958.D

Acq: 6 Apr 2018 16:03

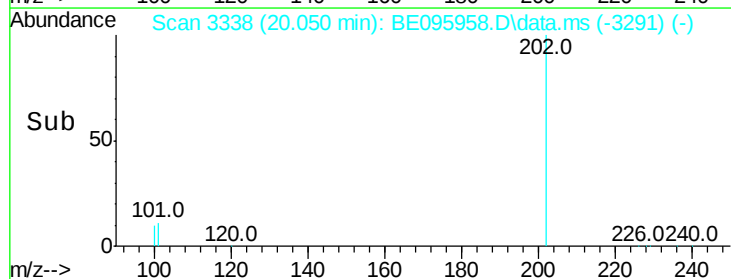
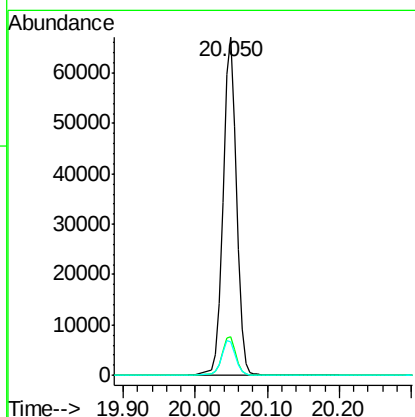
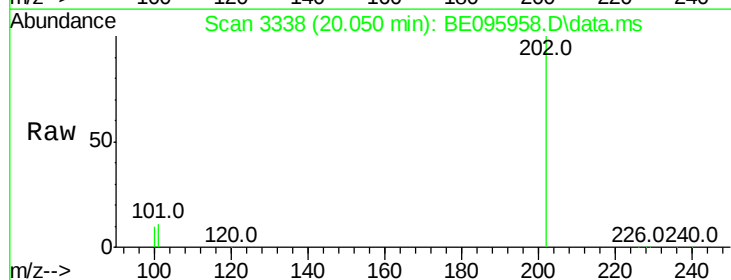
Tgt Ion:202 Resp: 92419

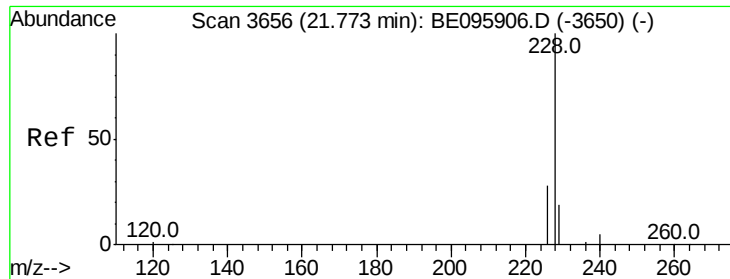
Ion Ratio Lower Upper

202 100

101 11.4 18.2 27.4#

100 10.0 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 3.72 ng/ul

RT: 21.760 min Scan# 3656

Delta R.T. 0.002 min

Lab File: BE095958.D

Acq: 6 Apr 2018 16:03

Instrument :

BNA\_E

ClientSampleId :

SSTD3.234

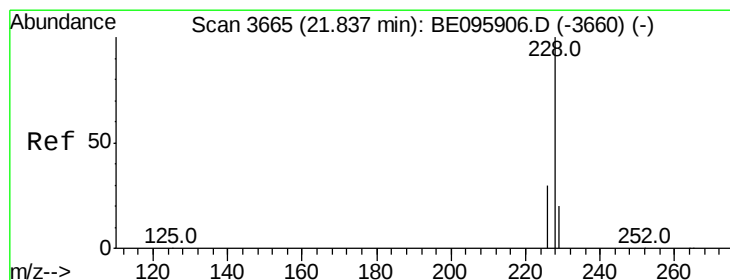
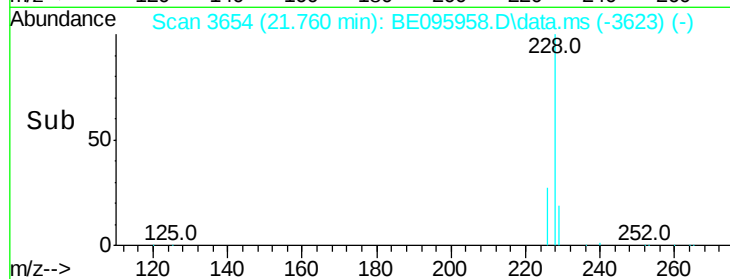
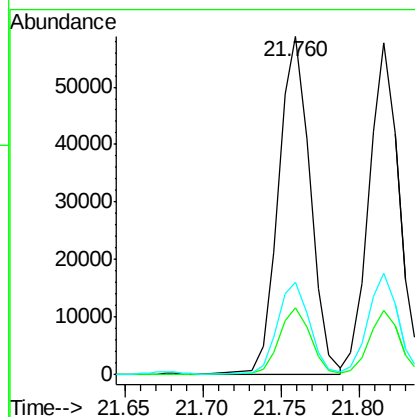
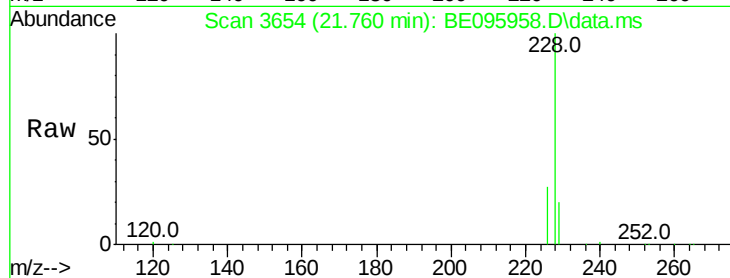
Tgt Ion:228 Resp: 111107

Ion Ratio Lower Upper

228 100

229 19.6 22.8 34.2#

226 27.4 17.0 25.6#



#19

Chrysene

Concen: 2.55 ng/ul

RT: 21.816 min Scan# 3662

Delta R.T. 0.002 min

Lab File: BE095958.D

Acq: 6 Apr 2018 16:03

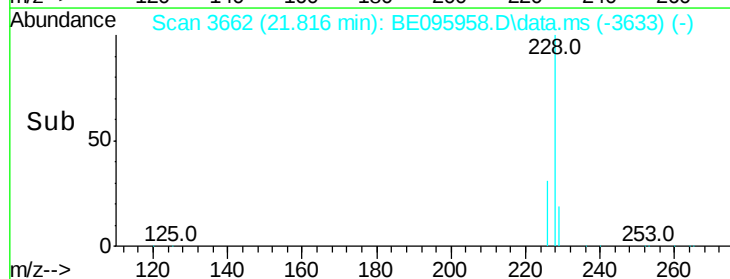
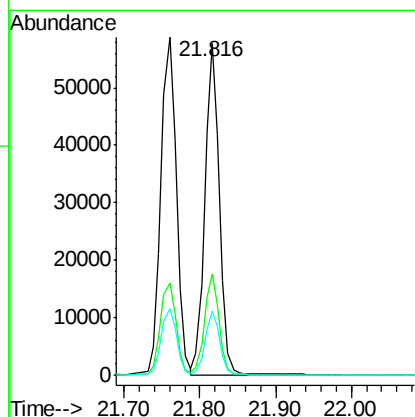
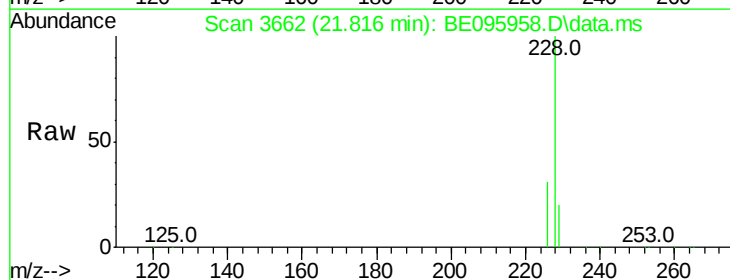
Tgt Ion:228 Resp: 77396

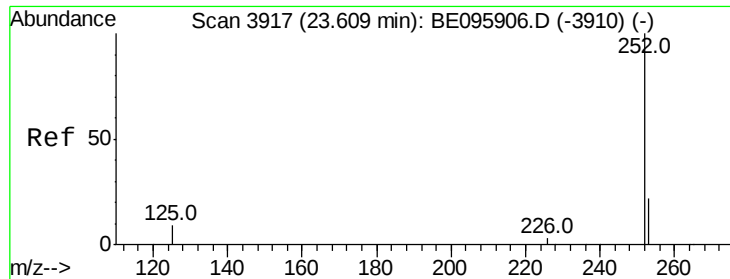
Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.0

229 19.5 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 2.98 ng/ul

RT: 23.588 min Scan# 3914

Delta R.T. 0.002 min

Lab File: BE095958.D

Acq: 6 Apr 2018 16:03

Instrument :

BNA\_E

ClientSampleId :

SSTD3.234

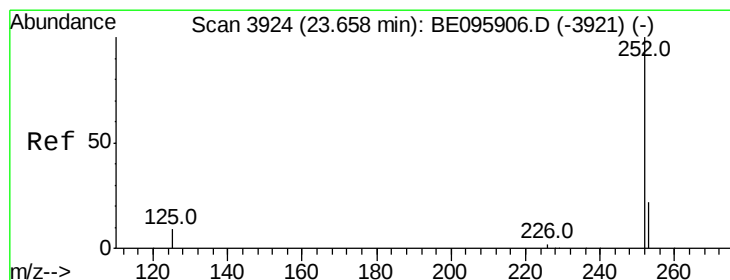
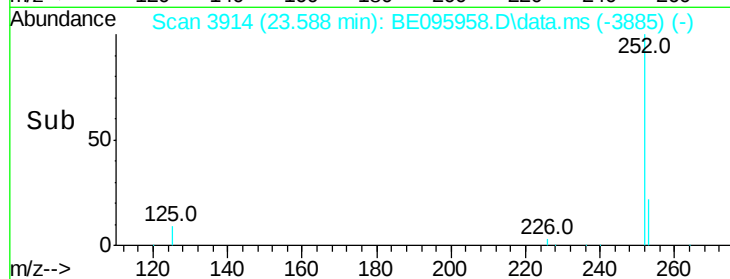
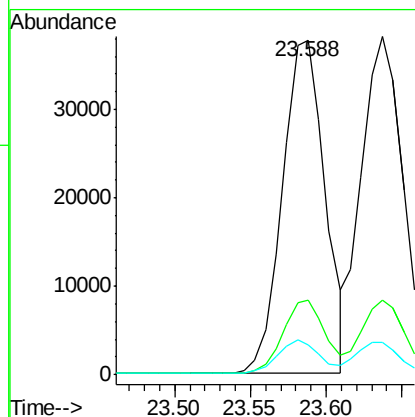
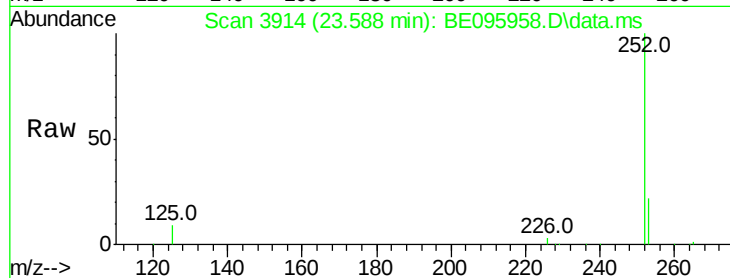
Tgt Ion:252 Resp: 74087

Ion Ratio Lower Upper

252 100

253 22.2 0.0 64.2

125 9.0 0.0 35.0



#22

Benzo(k)fluoranthene

Concen: 3.13 ng/ul

RT: 23.637 min Scan# 3921

Delta R.T. 0.002 min

Lab File: BE095958.D

Acq: 6 Apr 2018 16:03

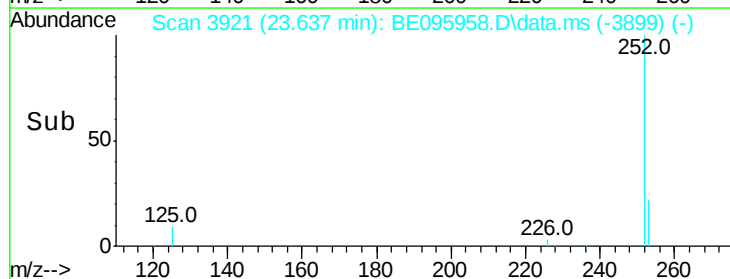
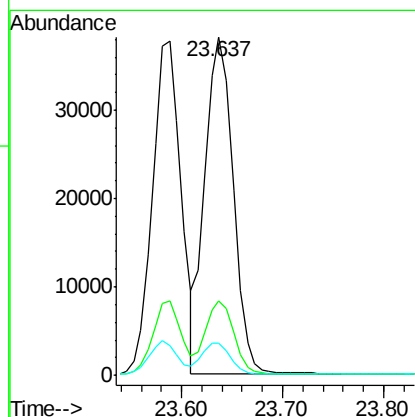
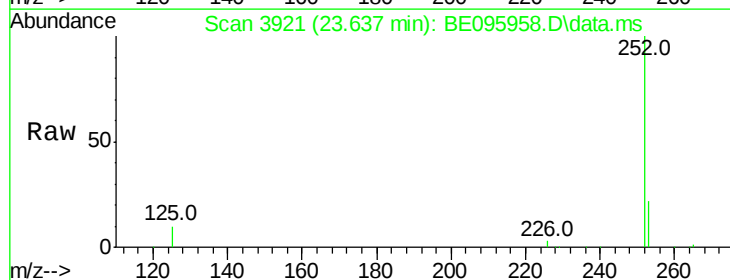
Tgt Ion:252 Resp: 74031

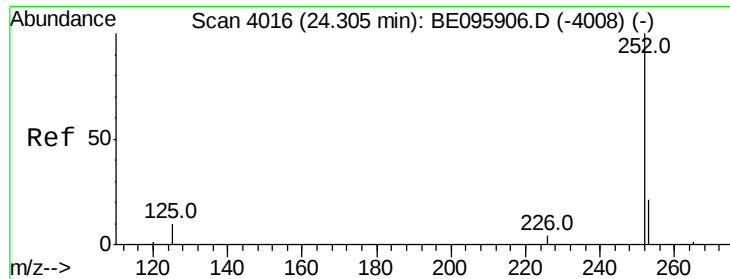
Ion Ratio Lower Upper

252 100

253 21.9 24.5 36.7#

125 9.6 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 3.14 ng/ul

RT: 24.277 min Scan# 4016

Delta R.T. -0.005 min

Lab File: BE095958.D

Acq: 6 Apr 2018 16:03

Instrument :

BNA\_E

ClientSampleId :

SSTD3.234

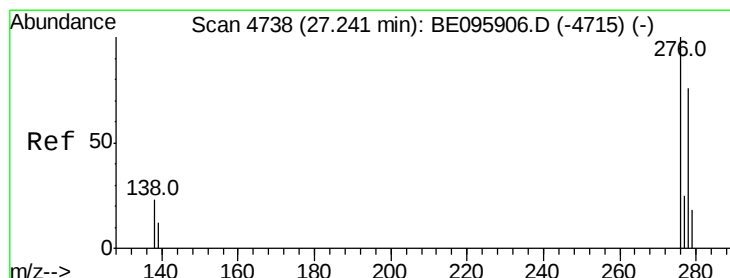
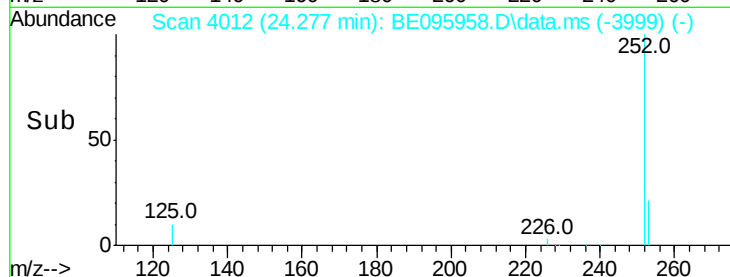
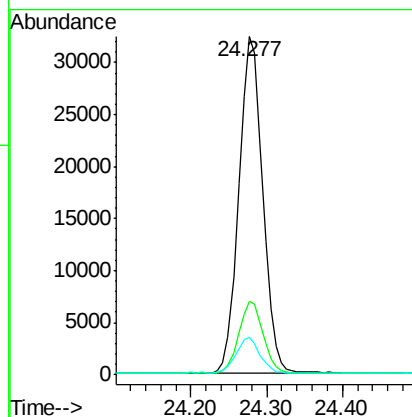
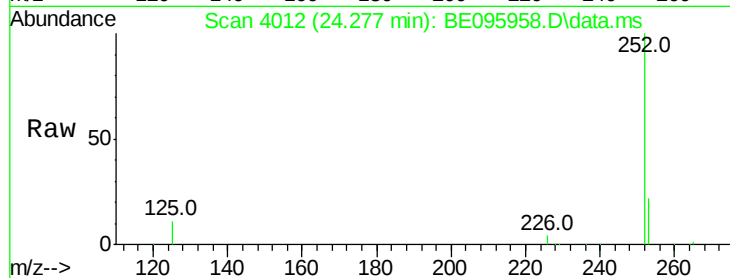
Tgt Ion:252 Resp: 71333

Ion Ratio Lower Upper

252 100

253 21.7 28.5 42.7#

125 10.8 18.1 27.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 3.16 ng/ul

RT: 27.199 min Scan# 4726

Delta R.T. -0.002 min

Lab File: BE095958.D

Acq: 6 Apr 2018 16:03

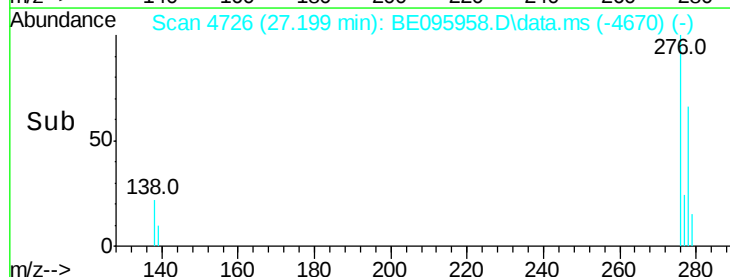
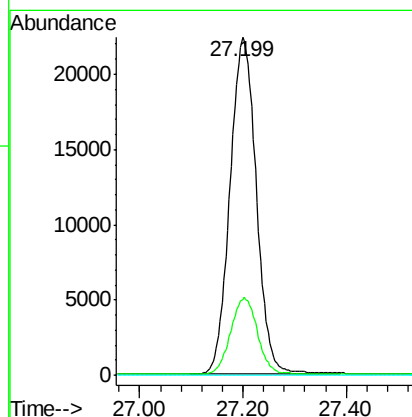
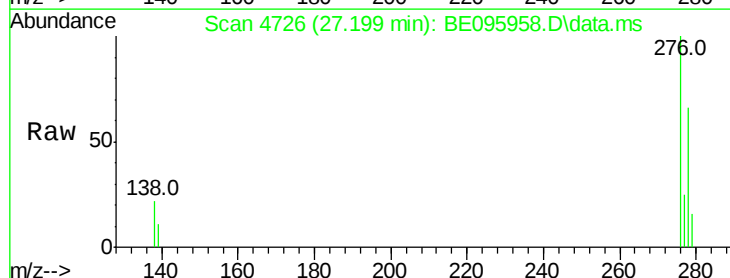
Tgt Ion:276 Resp: 79521

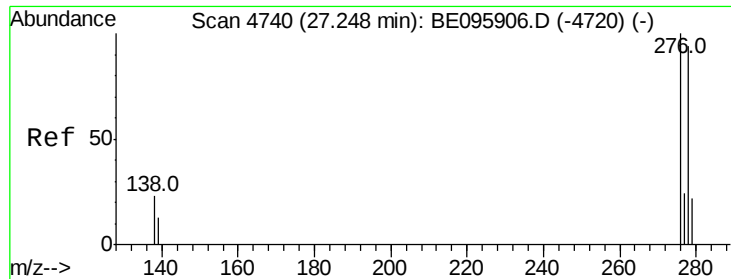
Ion Ratio Lower Upper

276 100

138 23.2 28.0 42.0#

227 0.0 8.0 12.0#

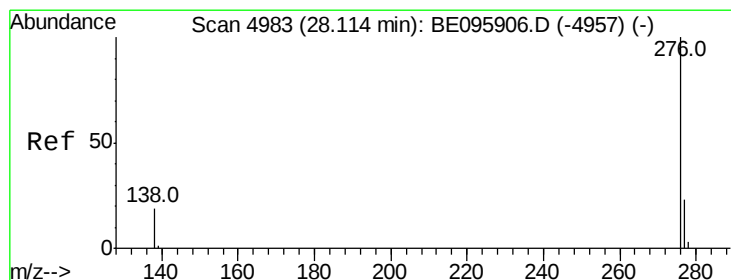
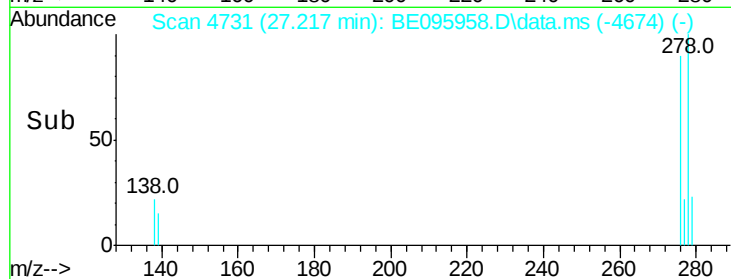
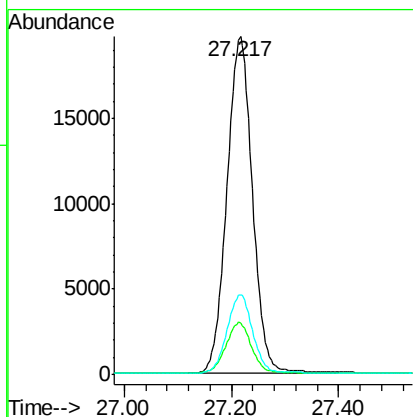
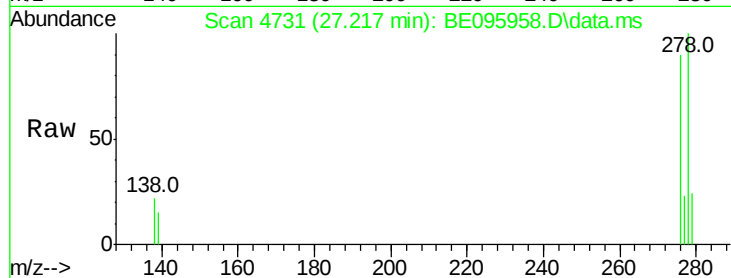




#25  
 Dibenzo(a,h)anthracene  
 Concen: 3.23 ng/ul  
 RT: 27.217 min Scan# 47  
 Delta R.T. 0.002 min  
 Lab File: BE095958.D  
 Acq: 6 Apr 2018 16:03

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTD3.234

Tgt Ion:278 Resp: 65144  
 Ion Ratio Lower Upper  
 278 100  
 139 15.2 17.4 26.0#  
 279 23.6 25.9 38.9#



#26  
 Benzo(g,h,i)perylene  
 Concen: 3.04 ng/ul  
 RT: 28.073 min Scan# 4971  
 Delta R.T. -0.002 min  
 Lab File: BE095958.D  
 Acq: 6 Apr 2018 16:03

Tgt Ion:276 Resp: 65764  
 Ion Ratio Lower Upper  
 276 100  
 138 20.0 21.8 32.8#  
 277 23.6 20.5 30.7

