

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE081718\  
 Data File : BE097293.D  
 Acq On : 17 Aug 2018 12:15  
 Operator : SJ/JU  
 Sample : SST00.804  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SST00.804

Quant Time: Aug 17 13:24:35 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE081718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 17 12:19:40 2018  
 Response via : Initial Calibration

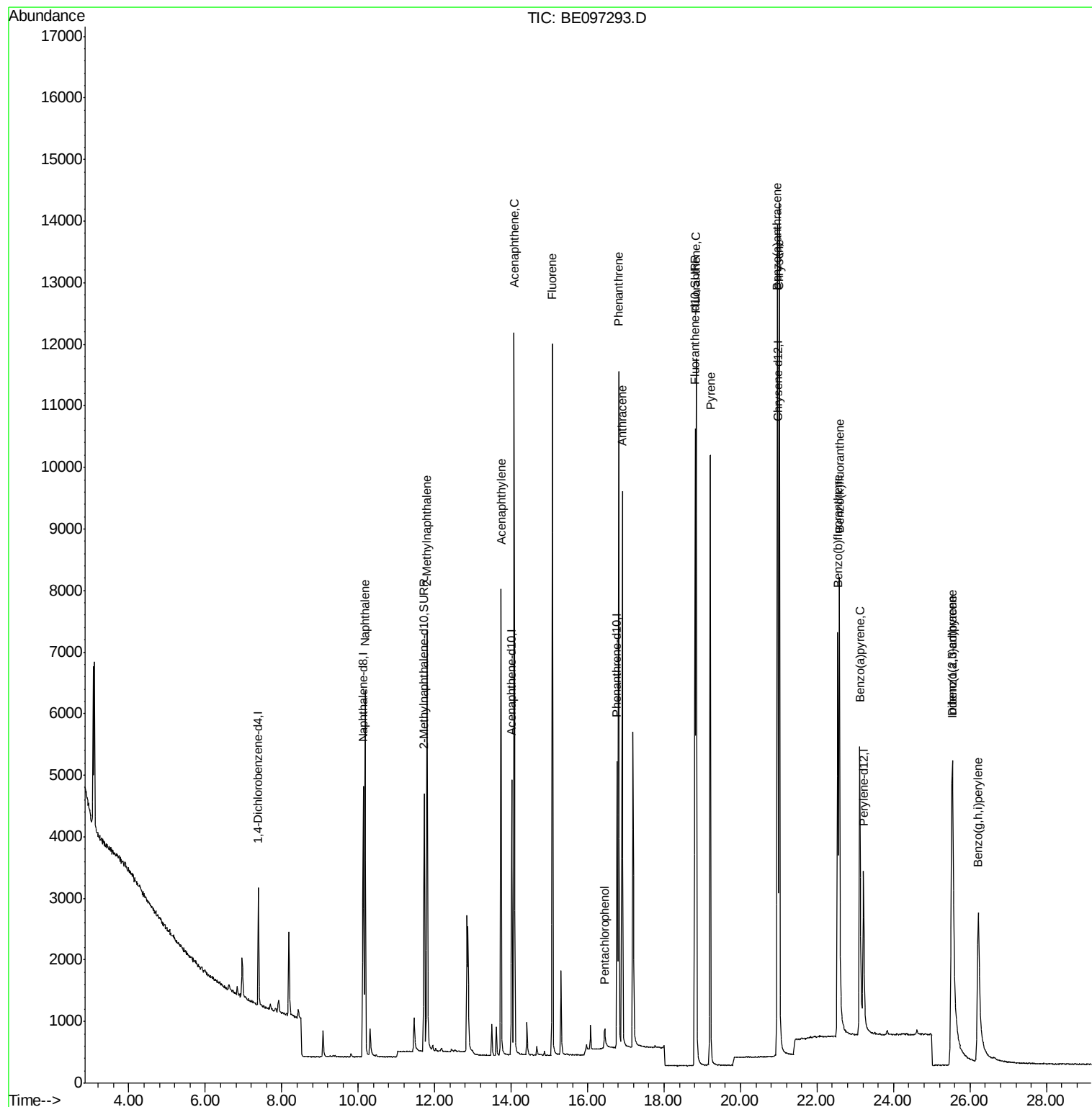
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.39  | 152  | 938      | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.13 | 136  | 4666     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.01 | 164  | 2494     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 16.77 | 188  | 5623     | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 20.98 | 240  | 5102     | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.22 | 264  | 4143     | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 11.72 | 152  | 5988     | 0.80   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 18.81 | 212  | 12497    | 0.65   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 3) Naphthalene              | 10.18 | 128  | 9043     | 0.800  | ng/ul# | 91       |
| 5) 2-Methylnaphthalene      | 11.80 | 142  | 6059     | 0.812  | ng/ul  | 98       |
| 7) Acenaphthylene           | 13.73 | 152  | 8846     | 0.820  | ng/ul  | 96       |
| 8) Acenaphthene             | 14.08 | 153  | 6450     | 0.827  | ng/ul# | 90       |
| 9) Fluorene                 | 15.08 | 166  | 7050     | 0.786  | ng/ul# | 93       |
| 11) Pentachlorophenol       | 16.44 | 266  | 259      | 0.321  | ng/ul  | 91       |
| 12) Phenanthrene            | 16.81 | 178  | 11558    | 0.806  | ng/ul# | 89       |
| 13) Anthracene              | 16.90 | 178  | 9972     | 0.746  | ng/ul# | 91       |
| 15) Fluoranthene            | 18.84 | 202  | 12840    | 0.678  | ng/ul  | 85       |
| 17) Pyrene                  | 19.21 | 202  | 11368    | 0.832  | ng/ul# | 79       |
| 18) Benzo(a)anthracene      | 20.96 | 228  | 10119    | 0.694  | ng/ul# | 85       |
| 19) Chrysene                | 21.01 | 228  | 11802    | 0.786  | ng/ul  | 96       |
| 21) Benzo(b)fluoranthene    | 22.54 | 252  | 9648     | 0.854  | ng/ul  | 82       |
| 22) Benzo(k)fluoranthene    | 22.58 | 252  | 10980    | 0.902  | ng/ul# | 86       |
| 23) Benzo(a)pyrene          | 23.12 | 252  | 8533     | 0.755  | ng/ul# | 78       |
| 24) Indeno(1,2,3-cd)pyrene  | 25.52 | 276  | 10353    | 0.732  | ng/ul# | 76       |
| 25) Dibenzo(a,h)anthracene  | 25.54 | 278  | 8477     | 0.733  | ng/ul# | 89       |
| 26) Benzo(g,h,i)perylene    | 26.22 | 276  | 8344     | 0.683  | ng/ul# | 93       |

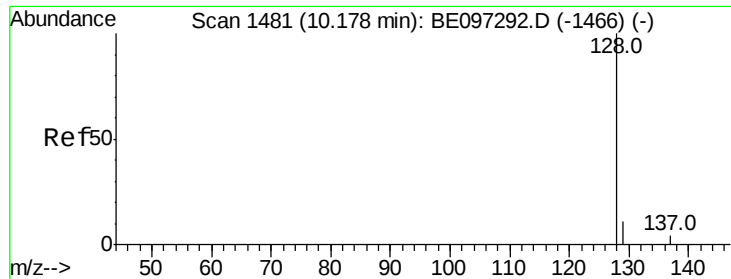
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 17 12:19:40 2018  
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.800 ng/ul

RT: 10.18 min Scan# 1481

Delta R.T. -0.00 min

Lab File: BE097293.D

Acq: 17 Aug 2018 12:15

Instrument :

BNA\_E

ClientSampleId :

SSTD0.804

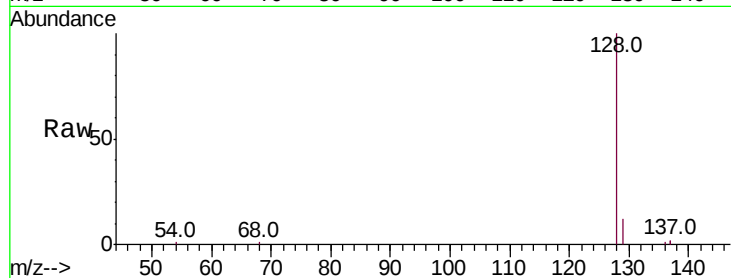
Tot Ion:128 Resp: 9043

Ion Ratio Lower Upper

128 100

129 11.5 11.3 16.9

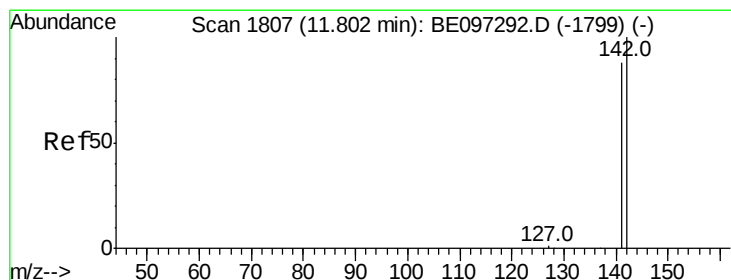
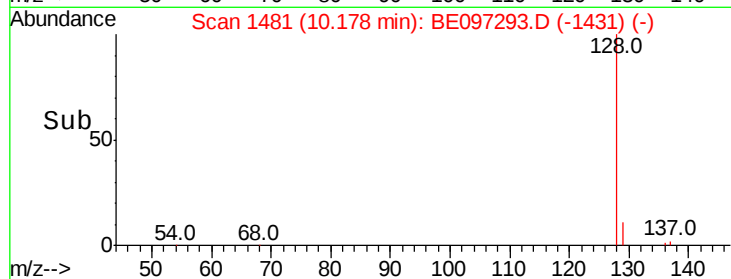
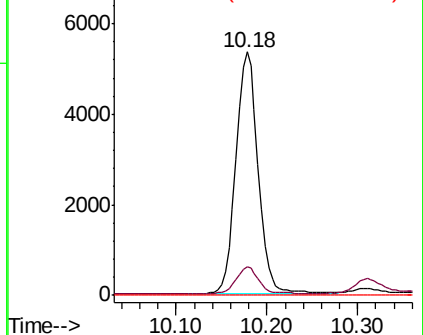
127 0.0 4.0 6.0#



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: 0.812 ng/ul

RT: 11.80 min Scan# 1807

Delta R.T. -0.00 min

Lab File: BE097293.D

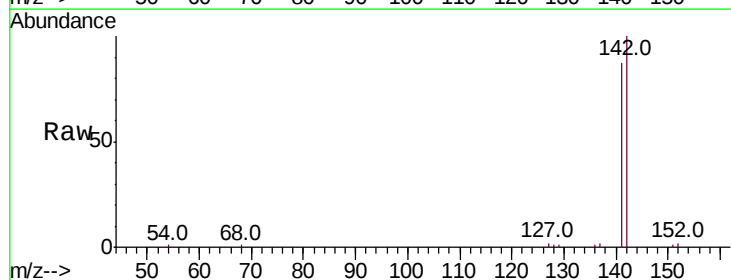
Acq: 17 Aug 2018 12:15

Tgt Ion:142 Resp: 6059

Ion Ratio Lower Upper

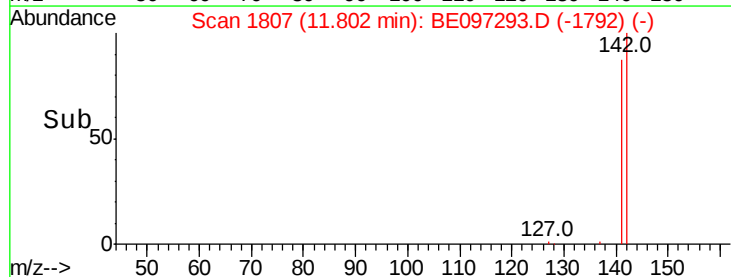
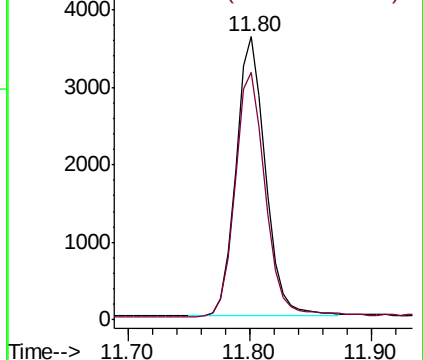
142 100

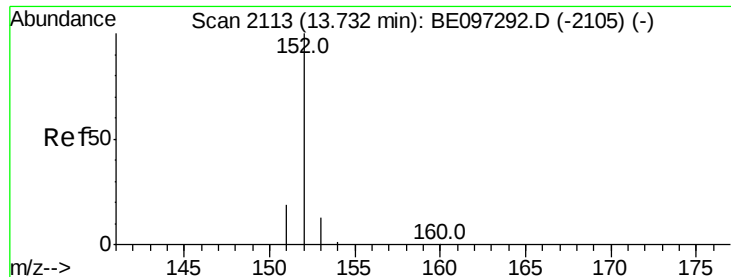
141 88.8 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.820 ng/ul

RT: 13.73 min Scan# 2113

Delta R.T. -0.00 min

Lab File: BE097293.D

Acq: 17 Aug 2018 12:15

Instrument :

BNA\_E

ClientSampleId :

SSTD0.804

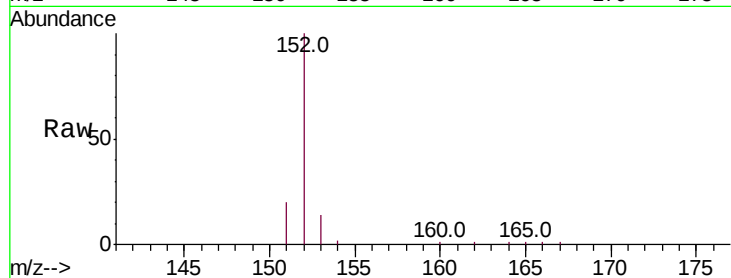
Tot Ion:152 Resp: 8846

Ion Ratio Lower Upper

152 100

151 20.2 17.1 25.7

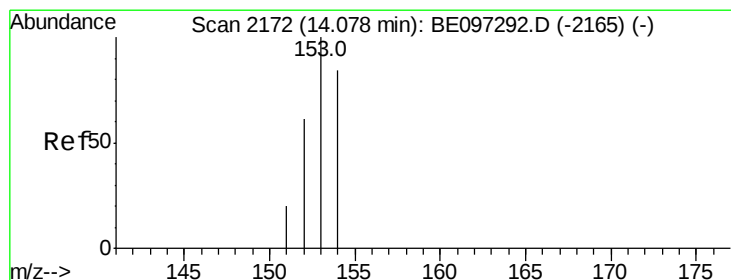
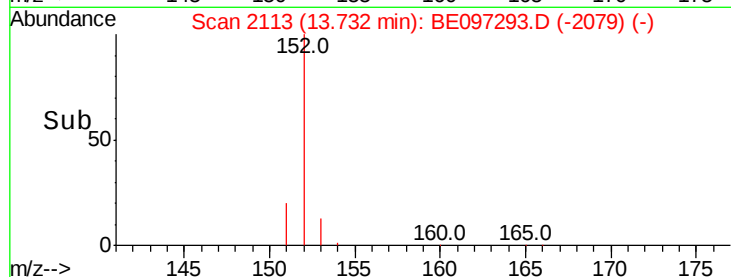
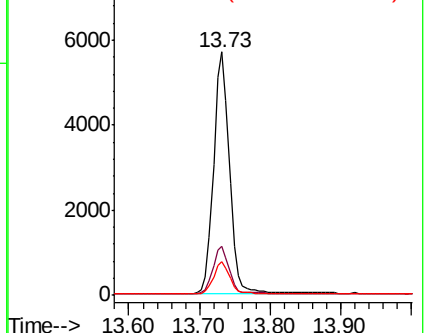
153 13.6 12.8 19.2



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: 0.827 ng/ul

RT: 14.08 min Scan# 2172

Delta R.T. -0.00 min

Lab File: BE097293.D

Acq: 17 Aug 2018 12:15

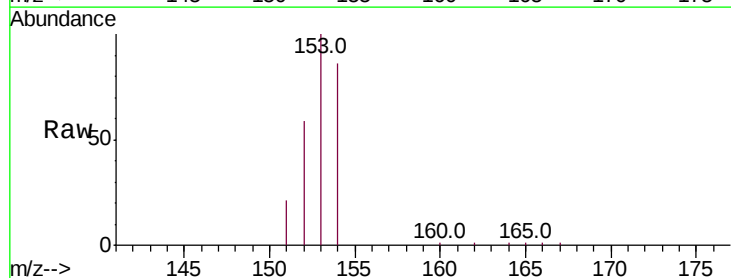
Tgt Ion:153 Resp: 6450

Ion Ratio Lower Upper

153 100

152 59.5 36.0 54.0#

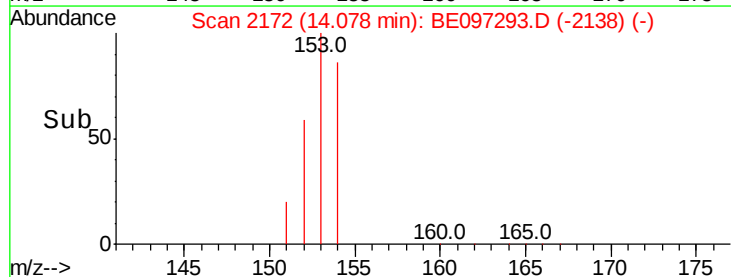
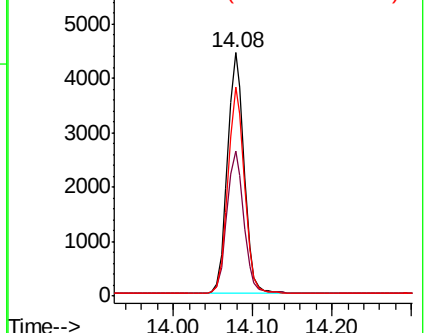
154 85.7 72.0 108.0

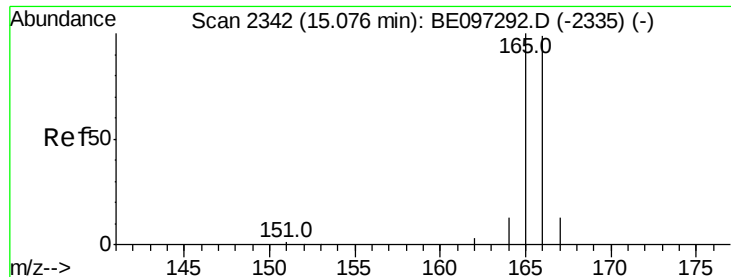


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.786 ng/ul

RT: 15.08 min Scan# 2342

Delta R.T. -0.00 min

Lab File: BE097293.D

Acq: 17 Aug 2018 12:15

Instrument :

BNA\_E

ClientSampleId :

SSTD0.804

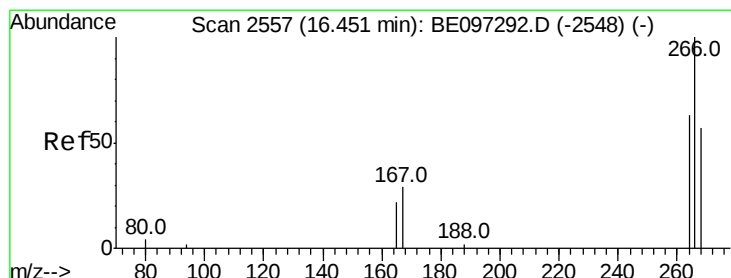
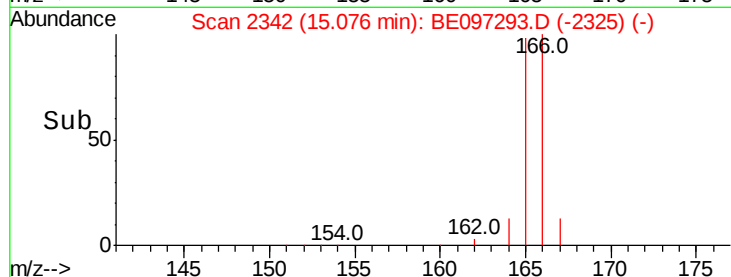
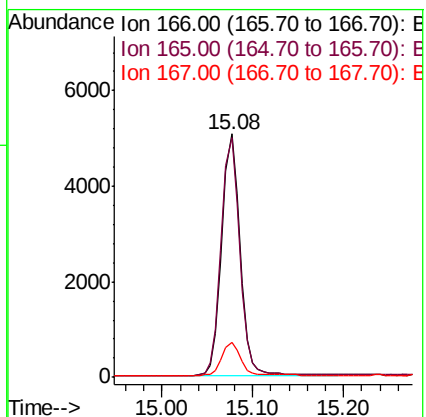
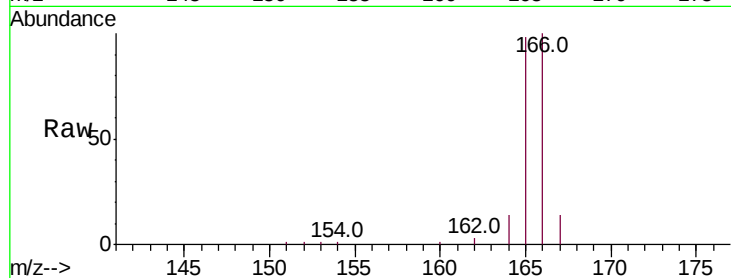
Tot Ion:166 Resp: 7050

Ion Ratio Lower Upper

166 100

165 98.5 73.4 110.2

167 14.2 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.321 ng/ul

RT: 16.44 min Scan# 2556

Delta R.T. -0.01 min

Lab File: BE097293.D

Acq: 17 Aug 2018 12:15

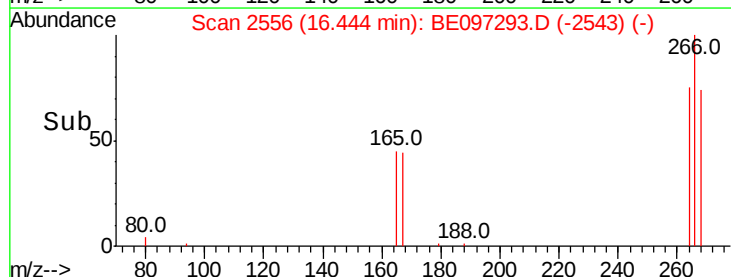
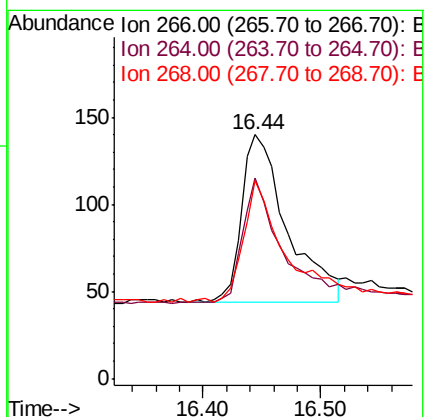
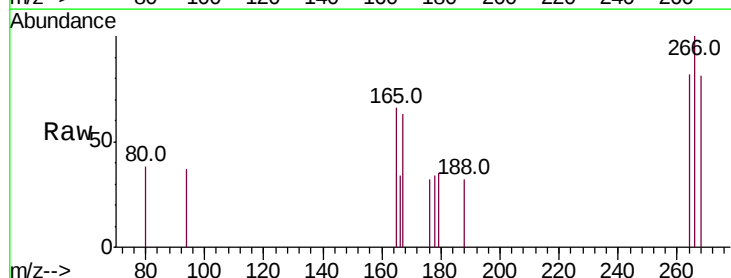
Tgt Ion:266 Resp: 259

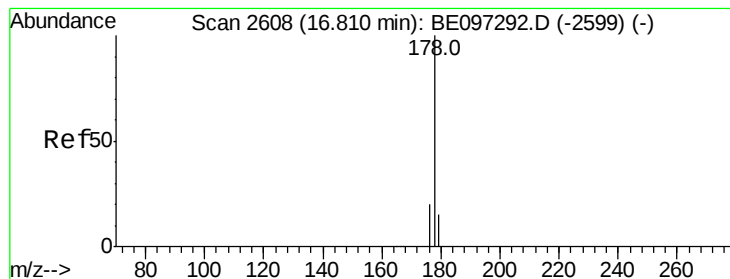
Ion Ratio Lower Upper

266 100

264 69.1 47.9 71.9

268 66.8 49.8 74.8





#12

Phenanthrene

Concen: 0.806 ng/ul

RT: 16.81 min Scan# 2608

Delta R.T. 0.00 min

Lab File: BE097293.D

Acq: 17 Aug 2018 12:15

Instrument :

BNA\_E

ClientSampleId :

SSTD0.804

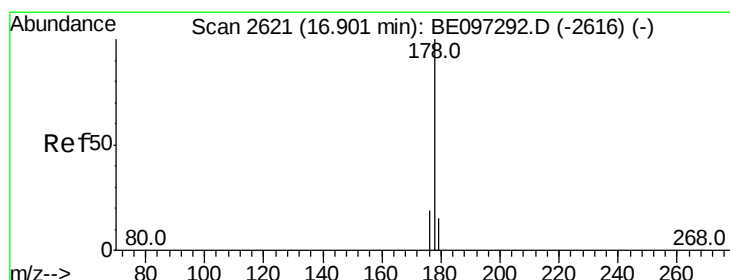
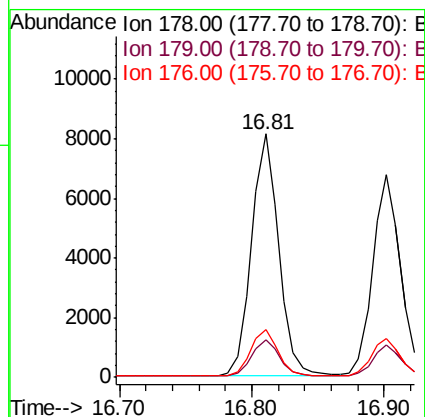
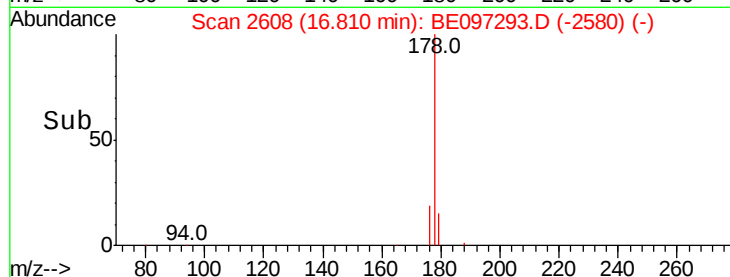
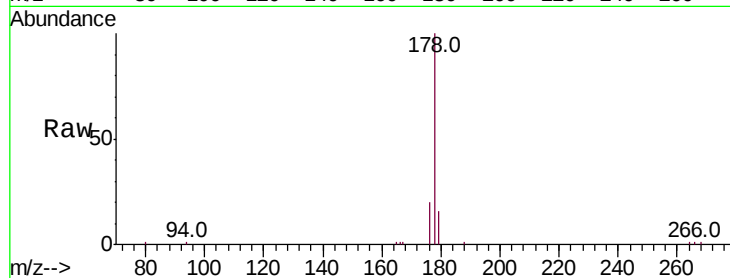
Tot Ion:178 Resp: 11558

Ion Ratio Lower Upper

178 100

179 15.7 18.4 27.6#

176 19.8 13.6 20.4



#13

Anthracene

Concen: 0.746 ng/ul

RT: 16.90 min Scan# 2621

Delta R.T. 0.00 min

Lab File: BE097293.D

Acq: 17 Aug 2018 12:15

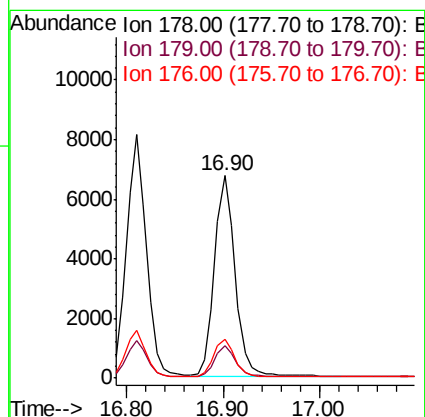
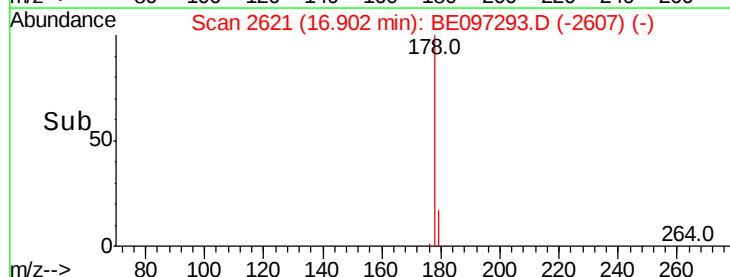
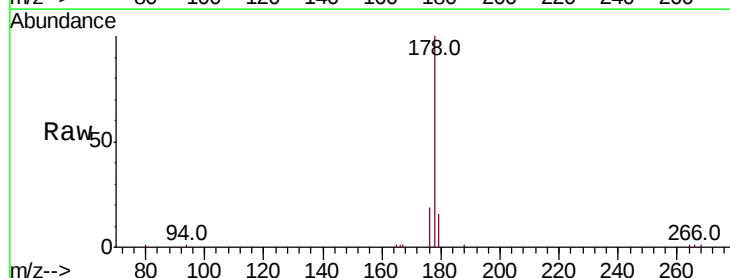
Tgt Ion:178 Resp: 9972

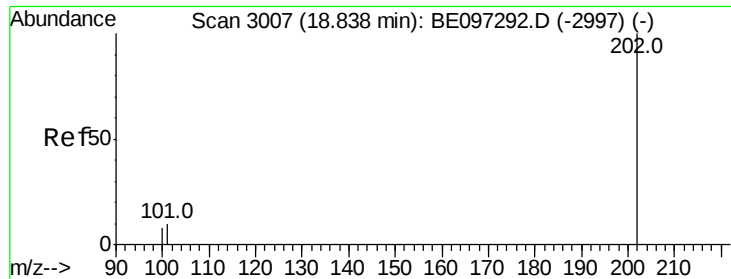
Ion Ratio Lower Upper

178 100

179 15.8 18.1 27.1#

176 19.3 14.7 22.1





#15

Fluoranthene

Concen: 0.678 ng/ul

RT: 18.84 min Scan# 3007

Delta R.T. 0.00 min

Lab File: BE097293.D

Acq: 17 Aug 2018 12:15

Instrument :

BNA\_E

ClientSampleId :

SSTD0.804

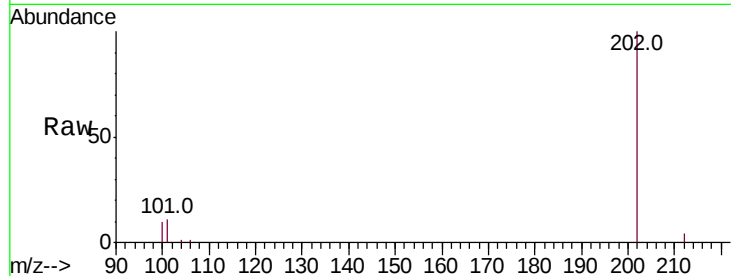
Tot Ion:202 Resp: 12840

Ion Ratio Lower Upper

202 100

101 11.2 0.0 30.3

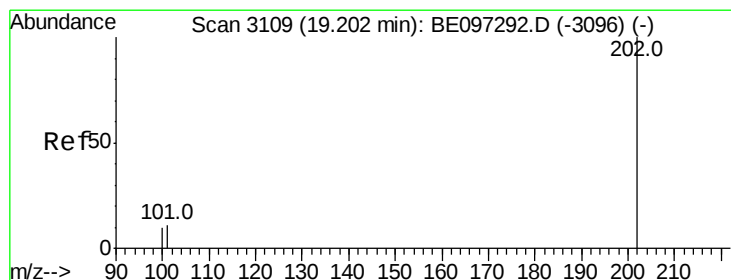
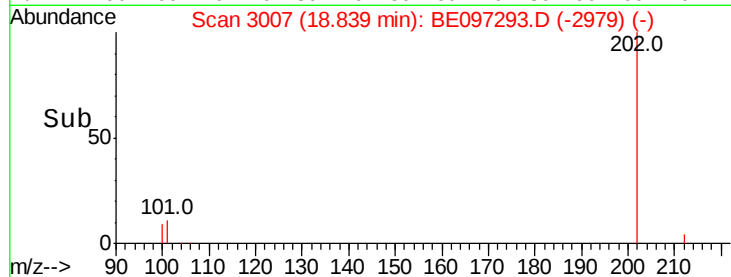
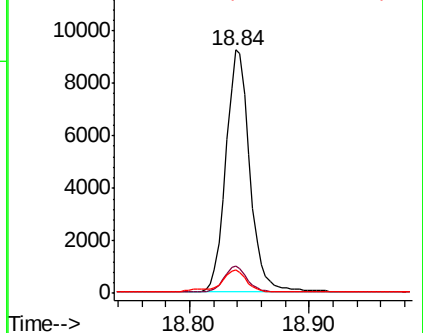
100 9.6 0.0 39.5



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): BE



#17

Pyrene

Concen: 0.832 ng/ul

RT: 19.21 min Scan# 3110

Delta R.T. 0.00 min

Lab File: BE097293.D

Acq: 17 Aug 2018 12:15

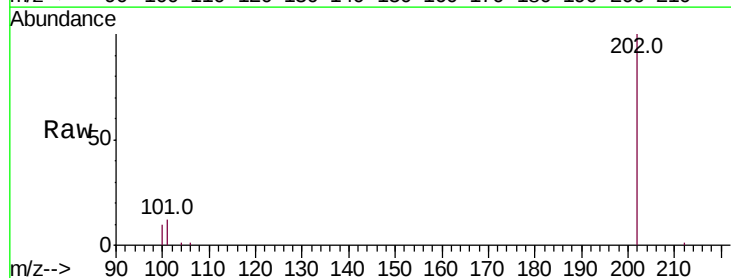
Tgt Ion:202 Resp: 11368

Ion Ratio Lower Upper

202 100

101 11.9 18.2 27.4#

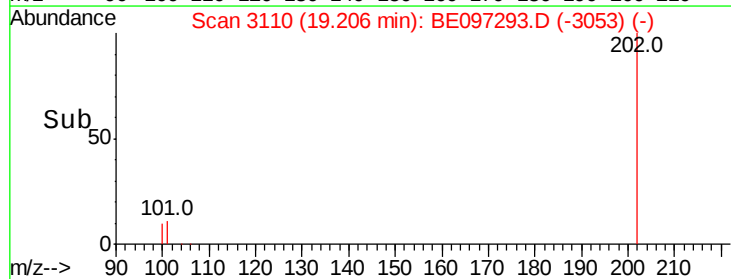
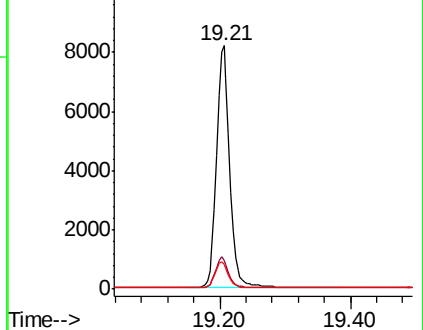
100 10.4 15.6 23.4#

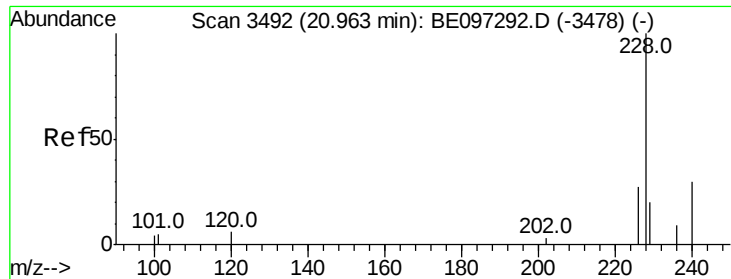


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.694 ng/ul

RT: 20.96 min Scan# 3492

Delta R.T. -0.00 min

Lab File: BE097293.D

Acq: 17 Aug 2018 12:15

Instrument :

BNA\_E

ClientSampleId :

SSTD0.804

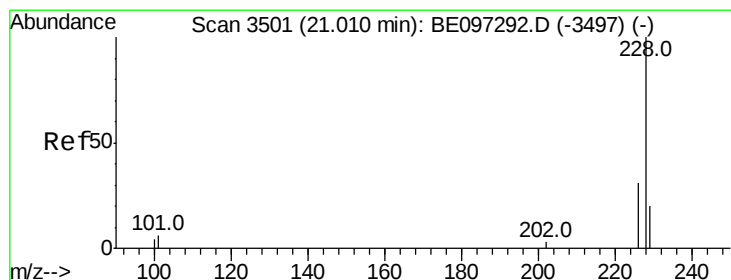
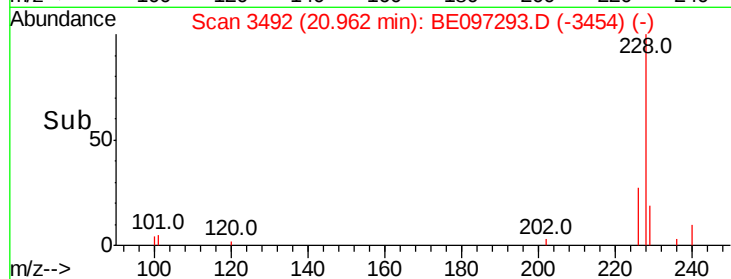
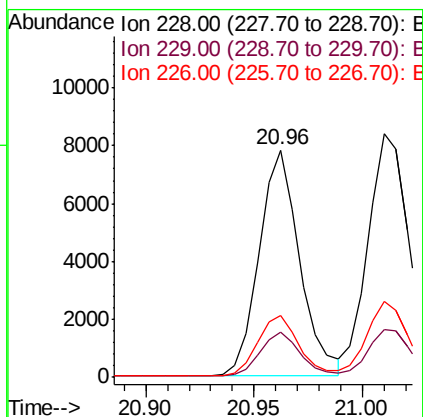
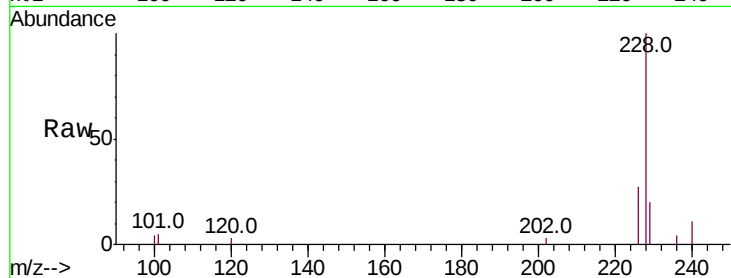
Tot Ion:228 Resp: 10119

Ion Ratio Lower Upper

228 100

229 19.9 22.8 34.2#

226 27.1 17.0 25.6#



#19

Chrysene

Concen: 0.786 ng/ul

RT: 21.01 min Scan# 3501

Delta R.T. -0.00 min

Lab File: BE097293.D

Acq: 17 Aug 2018 12:15

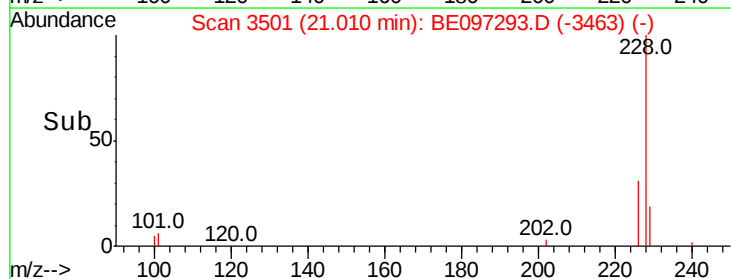
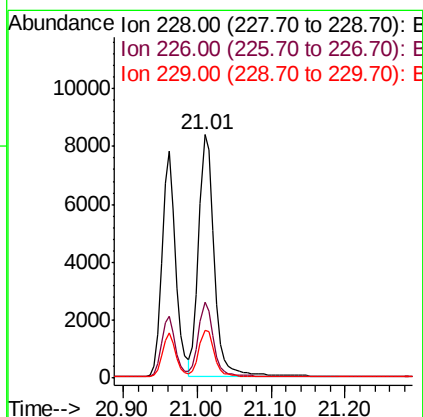
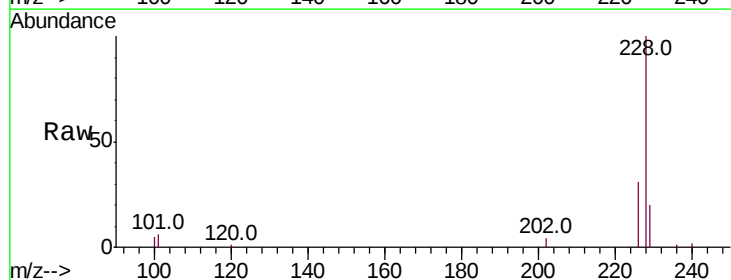
Tgt Ion:228 Resp: 11802

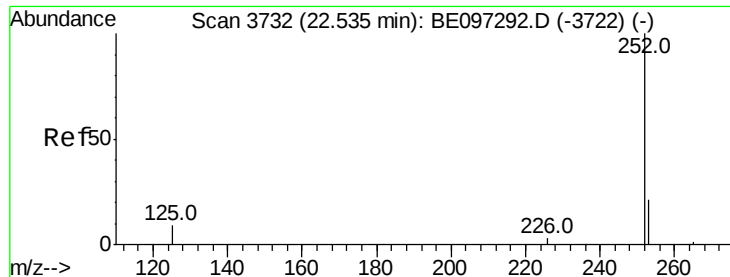
Ion Ratio Lower Upper

228 100

226 31.1 23.4 35.0

229 19.5 17.7 26.5





#21

Benzo(b)fluoranthene

Concen: 0.854 ng/ul

RT: 22.54 min Scan# 3733

Delta R.T. 0.01 min

Lab File: BE097293.D

Acq: 17 Aug 2018 12:15

Instrument :

BNA\_E

ClientSampleId :

SSTD0.804

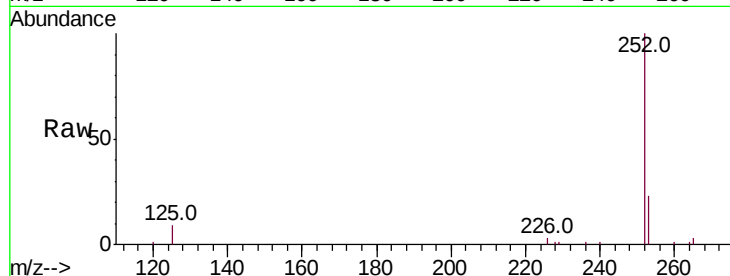
Tot Ion:252 Resp: 9648

Ion Ratio Lower Upper

252 100

253 22.7 0.0 64.2

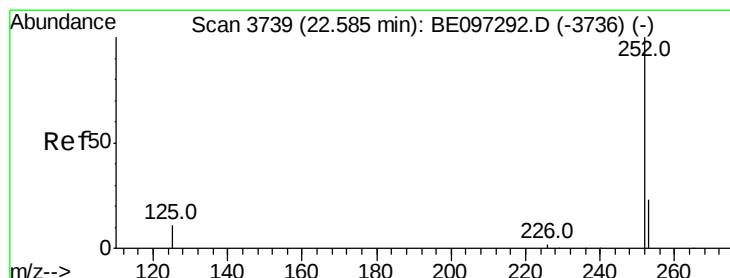
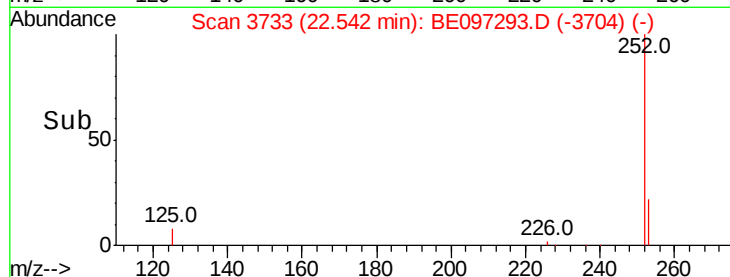
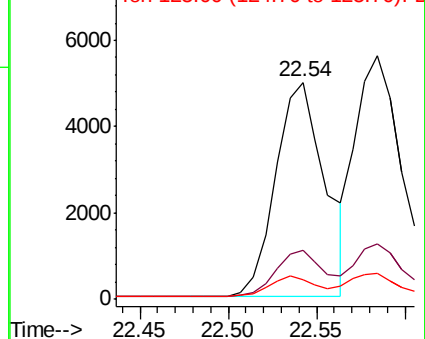
125 9.3 0.0 35.0



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: 0.902 ng/ul

RT: 22.58 min Scan# 3739

Delta R.T. -0.00 min

Lab File: BE097293.D

Acq: 17 Aug 2018 12:15

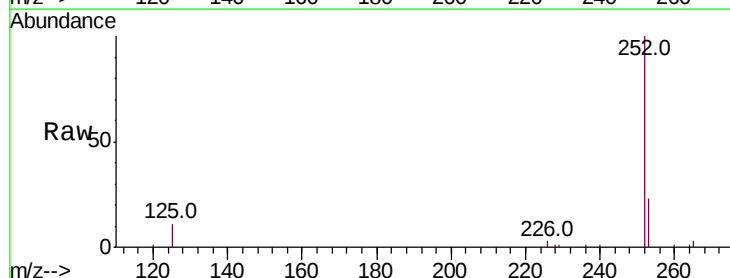
Tgt Ion:252 Resp: 10980

Ion Ratio Lower Upper

252 100

253 22.9 24.5 36.7#

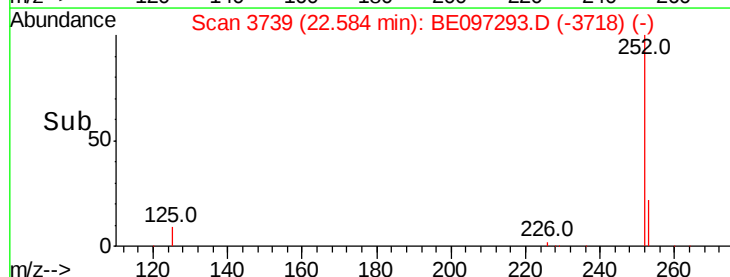
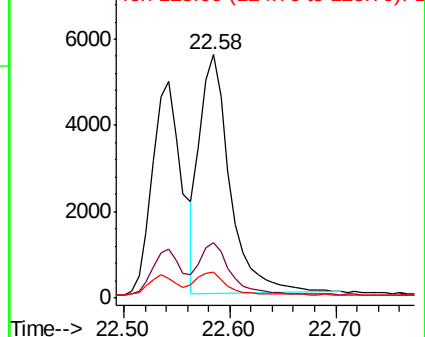
125 10.6 13.7 20.5#

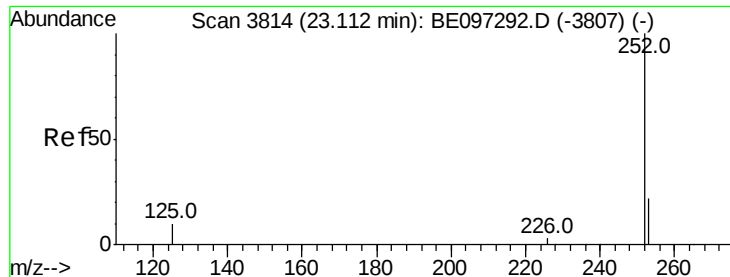


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.755 ng/u1

RT: 23.12 min Scan# 3815

Delta R.T. 0.01 min

Lab File: BE097293.D

Acq: 17 Aug 2018 12:15

Instrument :

BNA\_E

ClientSampleId :

SSTD0.804

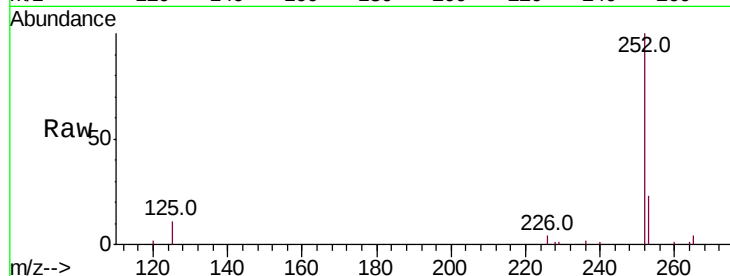
Tot Ion:252 Resp: 8533

Ion Ratio Lower Upper

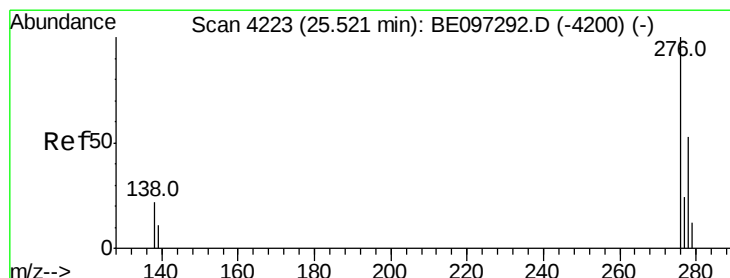
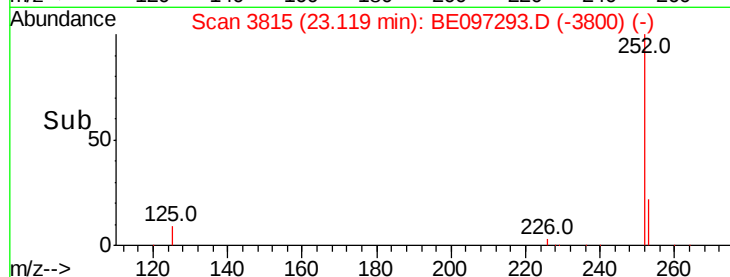
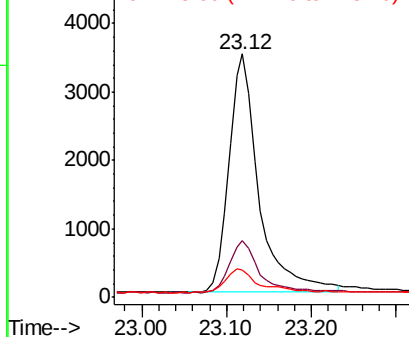
252 100

253 23.2 28.5 42.7#

125 11.4 18.1 27.1#



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: 0.732 ng/u1

RT: 25.52 min Scan# 4224

Delta R.T. 0.00 min

Lab File: BE097293.D

Acq: 17 Aug 2018 12:15

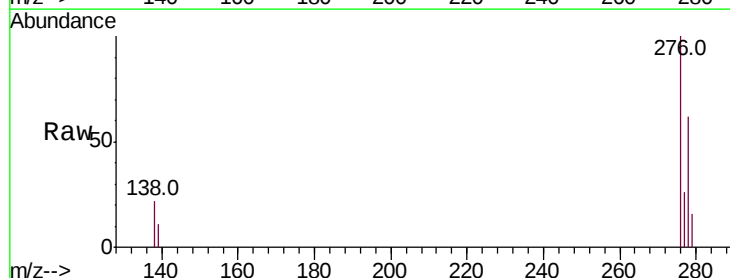
Tgt Ion:276 Resp: 10353

Ion Ratio Lower Upper

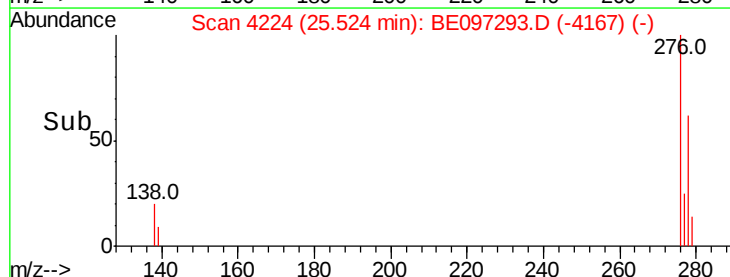
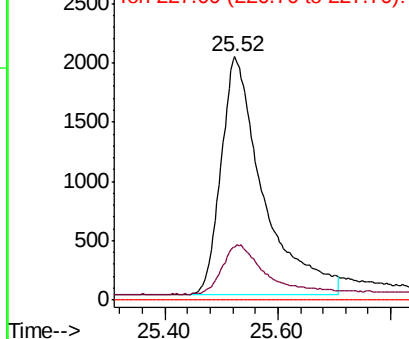
276 100

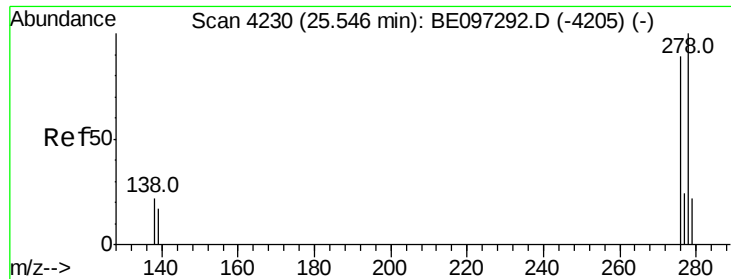
138 21.4 28.0 42.0#

227 0.0 8.0 12.0#



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

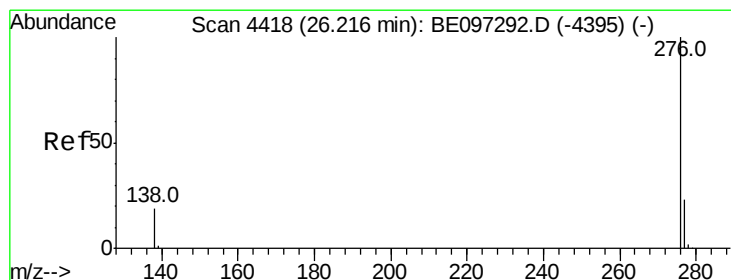
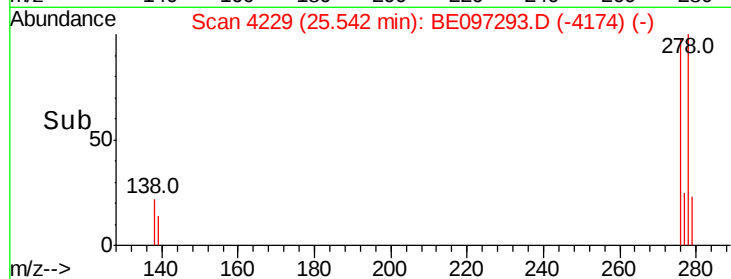
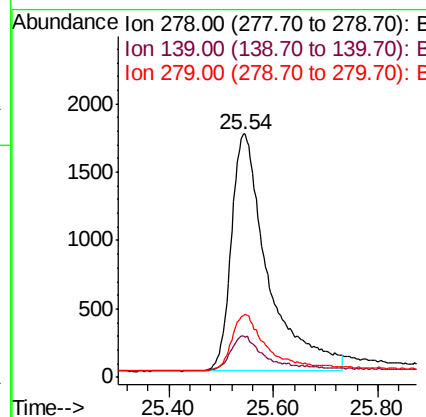
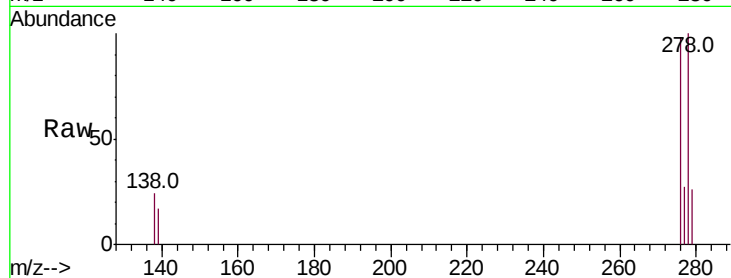




#25  
Dibenzo(a,h)anthracene  
Concen: 0.733 ng/ul  
RT: 25.54 min Scan# 4229  
Delta R.T. -0.00 min  
Lab File: BE097293.D  
Acq: 17 Aug 2018 12:15

Instrument :  
BNA\_E  
ClientSampleId :  
SSTD0.804

Tot Ion:278 Resp: 8477  
Ion Ratio Lower Upper  
278 100  
139 17.0 17.4 26.0#  
279 25.6 25.9 38.9#



#26  
Benzo(g,h,i)perylene  
Concen: 0.683 ng/ul  
RT: 26.22 min Scan# 4419  
Delta R.T. 0.00 min  
Lab File: BE097293.D  
Acq: 17 Aug 2018 12:15

Tgt Ion:276 Resp: 8344  
Ion Ratio Lower Upper  
276 100  
138 20.7 21.8 32.8#  
277 25.8 20.5 30.7

