

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042618\  
 Data File : BE096189.D  
 Acq On : 26 Apr 2018 21:08  
 Operator : SJ/JU  
 Sample : J2449-05  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Apr 27 05:01:19 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE042418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 27 04:45:57 2018  
 Response via : Initial Calibration

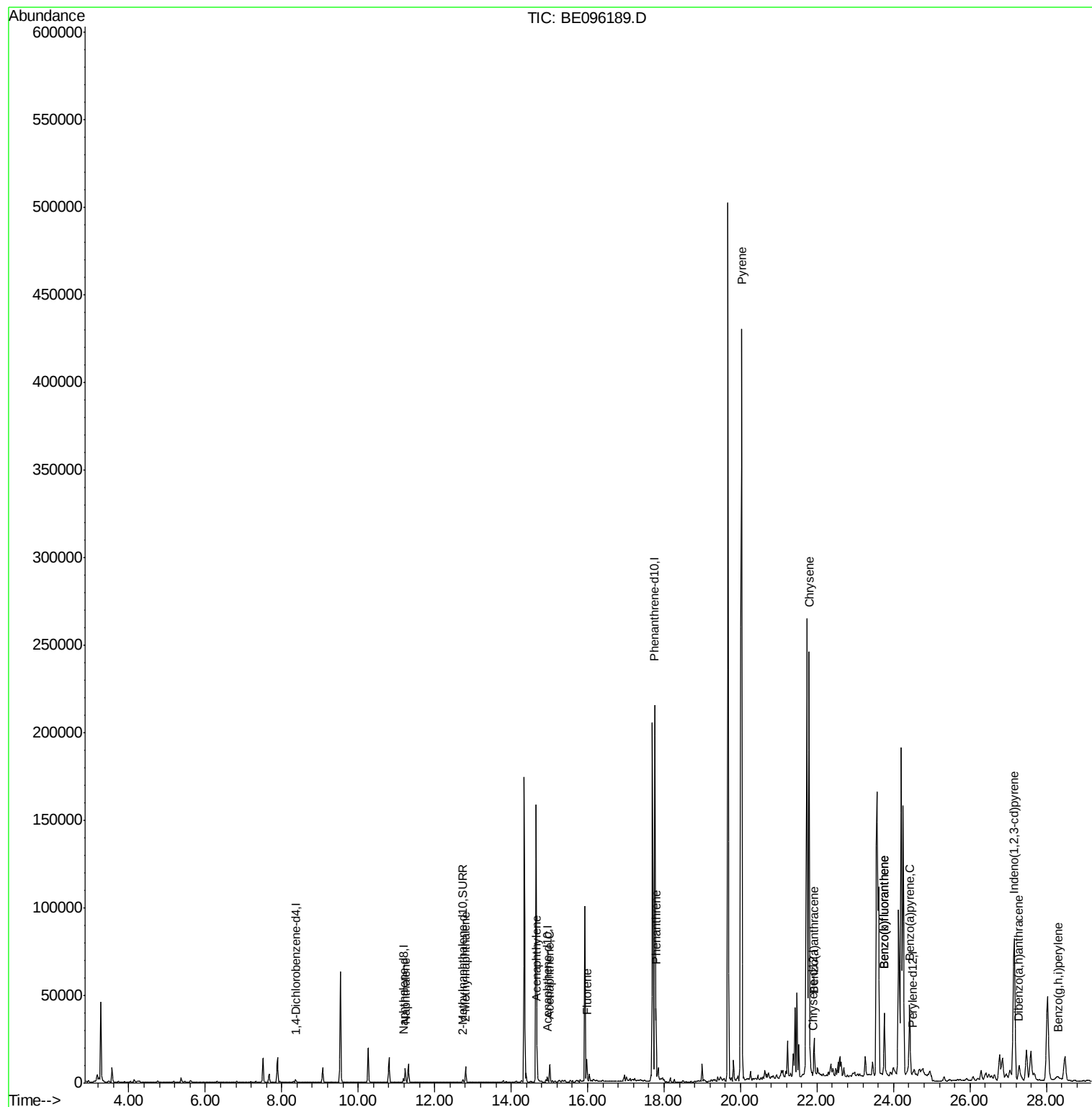
| Internal Standards          | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|----------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.36  | 152  | 681      | 0.40     | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 11.18 | 136  | 2886     | 0.40     | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.95 | 164  | 1745     | 0.40     | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.75 | 188  | 257054   | 0.40     | ng/ul  | 0.10     |
| 16) Chrysene-d12            | 21.89 | 240  | 163      | 0.40     | ng/ul  | 0.15     |
| 20) Perylene-d12            | 24.50 | 264  | 137      | 0.40     | ng/ul  | 0.15     |
| System Monitoring Compounds |       |      |          |          |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.74 | 152  | 1701     | 0.32     | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.75 | 212  | 140      | 0.00     | ng/ul  | 0.11     |
| Target Compounds            |       |      |          |          | Ovalue |          |
| 3) Naphthalene              | 11.23 | 128  | 11107    | 1.382    | ng/ul# | 88       |
| 5) 2-Methylnaphthalene      | 12.81 | 142  | 7239     | 1.345    | ng/ul  | 100      |
| 7) Acenaphthylene           | 14.68 | 152  | 17707    | 1.968    | ng/ul  | 97       |
| 8) Acenaphthene             | 15.01 | 153  | 5912     | 0.912    | ng/ul  | 92       |
| 9) Fluorene                 | 15.98 | 166  | 8937     | 1.041    | ng/ul  | 92       |
| 12) Phenanthrene            | 17.79 | 178  | 40677    | 0.054    | ng/ul# | 89       |
| 17) Pyrene                  | 20.03 | 202  | 413365   | 1264.099 | ng/ul# | 76       |
| 18) Benzo(a)anthracene      | 21.92 | 228  | 18769    | 38.034   | ng/ul# | 52       |
| 19) Chrysene                | 21.79 | 228  | 250331   | 552.042  | ng/ul  | 97       |
| 21) Benzo(b)fluoranthene    | 23.76 | 252  | 51162    | 98.625   | ng/ul  | 90       |
| 22) Benzo(k)fluoranthene    | 23.76 | 252  | 50879    | 102.597  | ng/ul# | 92       |
| 23) Benzo(a)pyrene          | 24.42 | 252  | 57466    | 127.512  | ng/ul# | 82       |
| 24) Indeno(1,2,3-cd)pyrene  | 27.16 | 276  | 150469   | 247.792  | ng/ul# | 73       |
| 25) Dibenzo(a,h)anthracene  | 27.29 | 278  | 15302    | 30.096   | ng/ul  | 98       |
| 26) Benzo(g,h,i)perylene    | 28.30 | 276  | 4624     | 8.748    | ng/ul# | 69       |

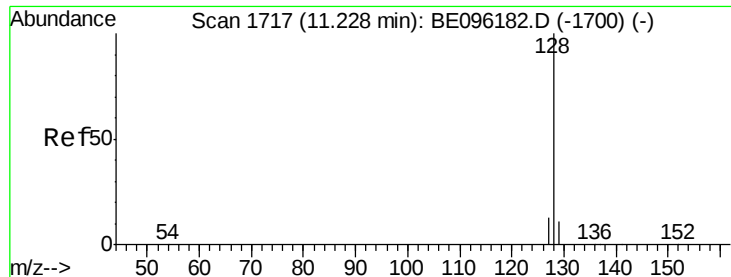
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.382 ng/ul

RT: 11.23 min Scan# 1718

Delta R.T. 0.01 min

Lab File: BE096189.D

Acq: 26 Apr 2018 21:08

Instrument :

BNA\_E

ClientSampleId :

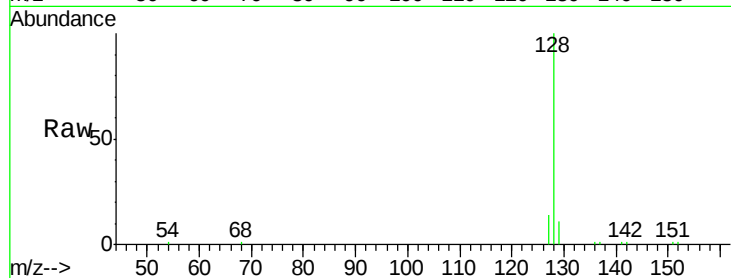
Tot Ion:128 Resp: 11107

Ion Ratio Lower Upper

128 100

129 11.5 11.3 16.9

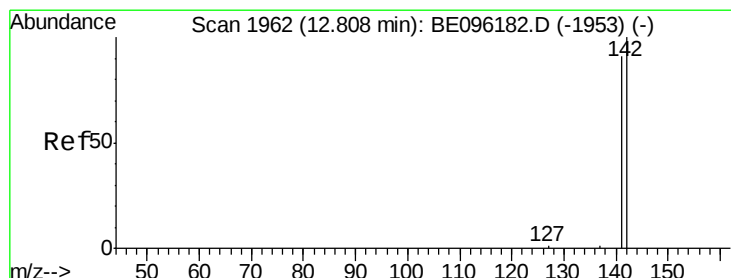
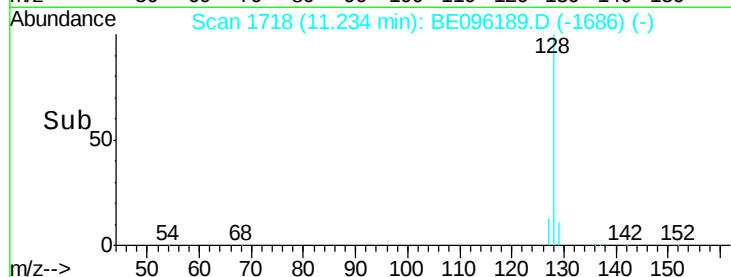
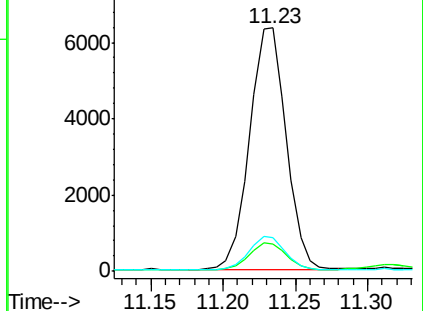
127 13.9 4.0 6.0#



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: 1.345 ng/ul

RT: 12.81 min Scan# 1962

Delta R.T. 0.00 min

Lab File: BE096189.D

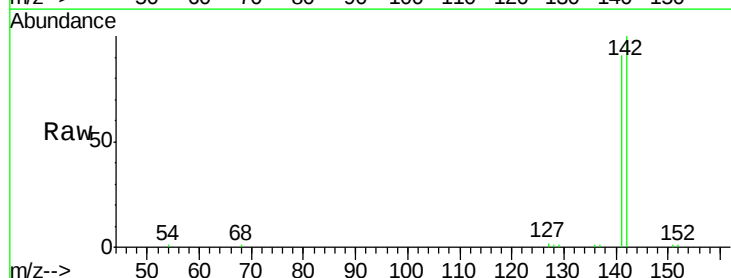
Acq: 26 Apr 2018 21:08

Tgt Ion:142 Resp: 7239

Ion Ratio Lower Upper

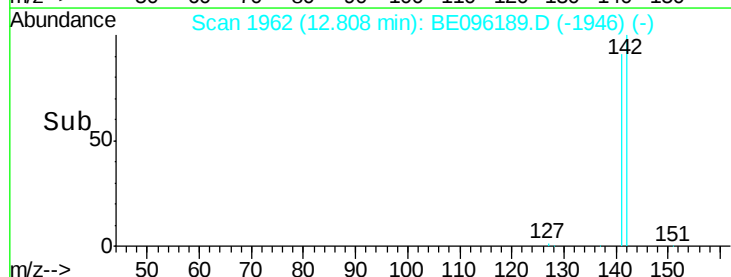
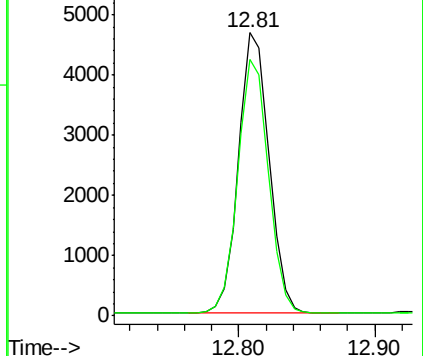
142 100

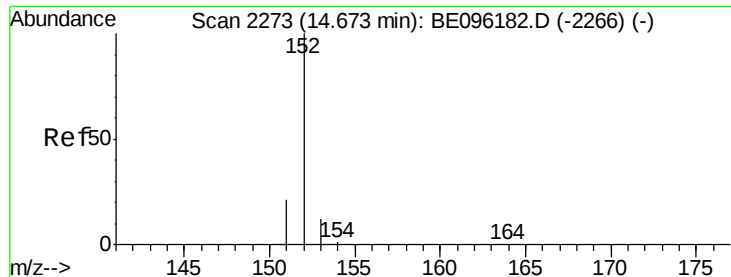
141 90.6 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.968 ng/ul

RT: 14.68 min Scan# 2273

Delta R.T. 0.01 min

Lab File: BE096189.D

Acq: 26 Apr 2018 21:08

Instrument :

BNA\_E

ClientSampleId :

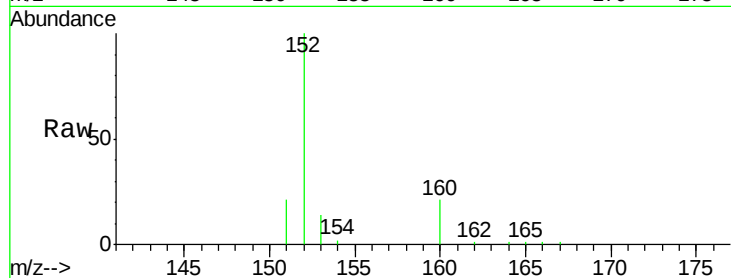
Tot Ion:152 Resp: 17707

Ion Ratio Lower Upper

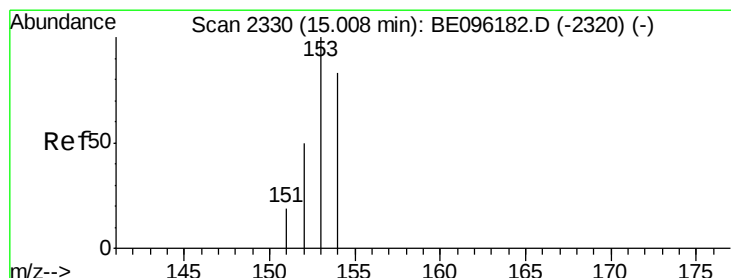
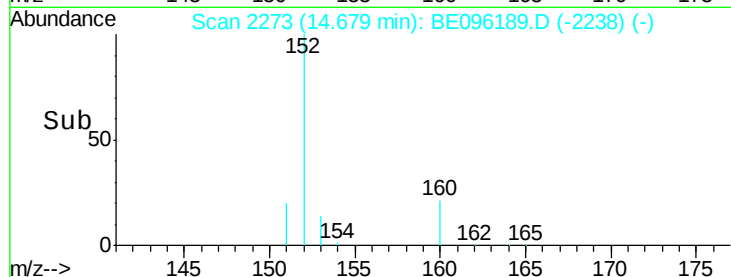
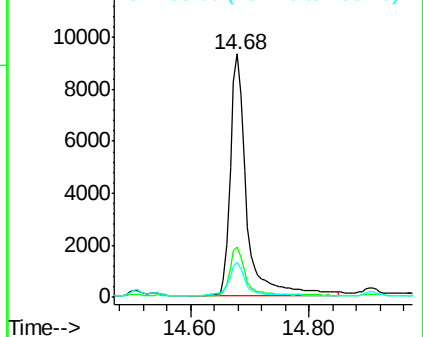
152 100

151 20.5 17.1 25.7

153 14.3 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: 0.912 ng/ul

RT: 15.01 min Scan# 2329

Delta R.T. -0.00 min

Lab File: BE096189.D

Acq: 26 Apr 2018 21:08

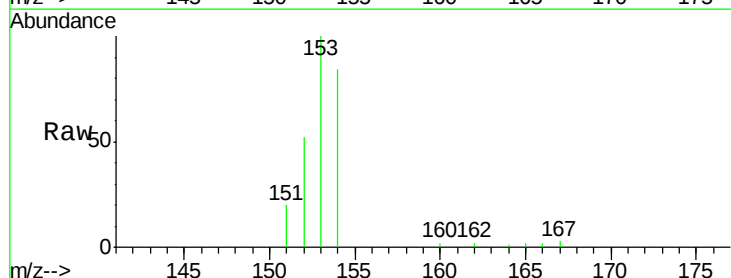
Tgt Ion:153 Resp: 5912

Ion Ratio Lower Upper

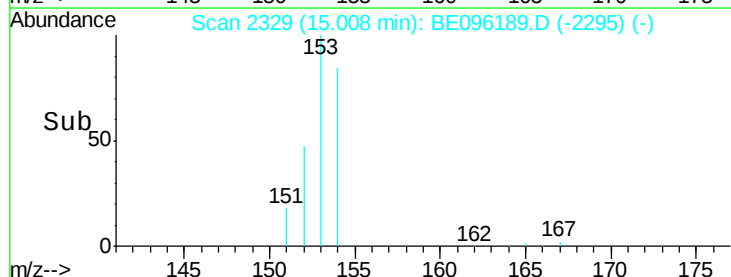
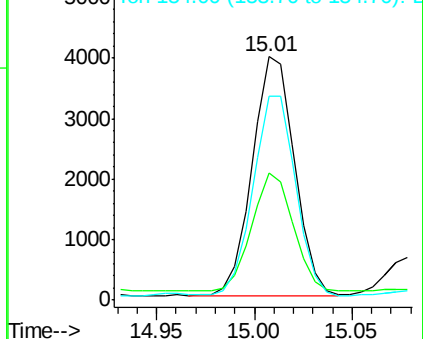
153 100

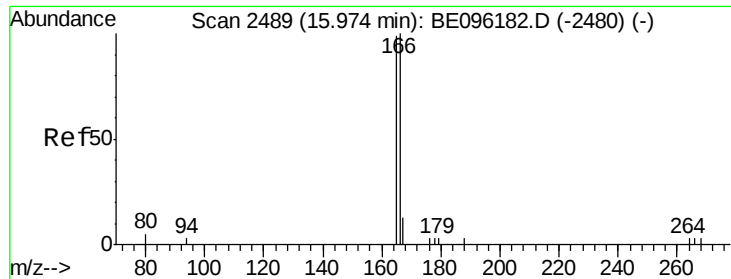
152 52.1 36.0 54.0

154 83.8 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: 1.041 ng/ul

RT: 15.98 min Scan# 2489

Delta R.T. 0.01 min

Lab File: BE096189.D

Acq: 26 Apr 2018 21:08

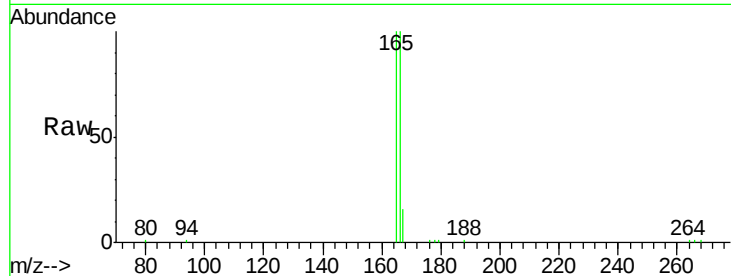
Instrument :

BNA\_E

ClientSampleId :

Tot Ion:166 Resp: 8937

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 166 | 100   |       |       |
| 165 | 99.5  | 73.4  | 110.2 |
| 167 | 15.6  | 14.6  | 22.0  |

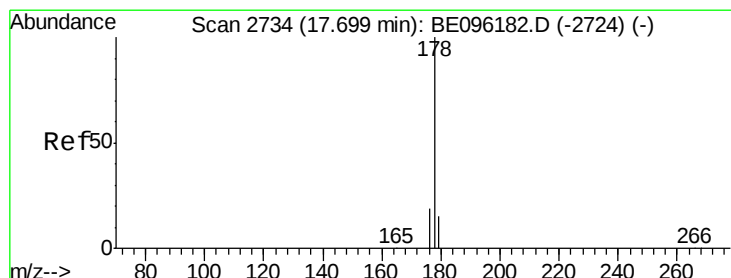
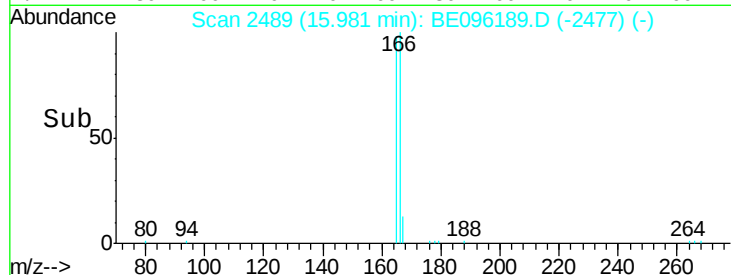
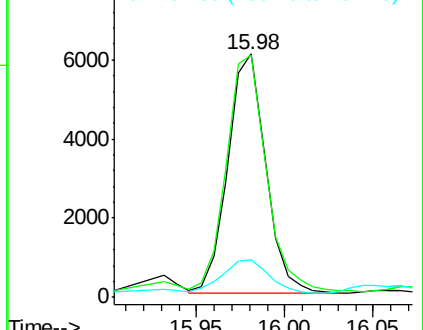


Abundance

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



#12

Phenanthrene

Concen: 0.054 ng/ul

RT: 17.79 min Scan# 2746

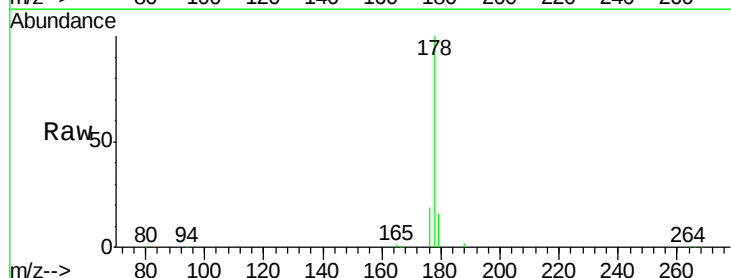
Delta R.T. 0.09 min

Lab File: BE096189.D

Acq: 26 Apr 2018 21:08

Tgt Ion:178 Resp: 40677

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 15.6  | 18.4  | 27.6# |
| 176 | 19.5  | 13.6  | 20.4  |

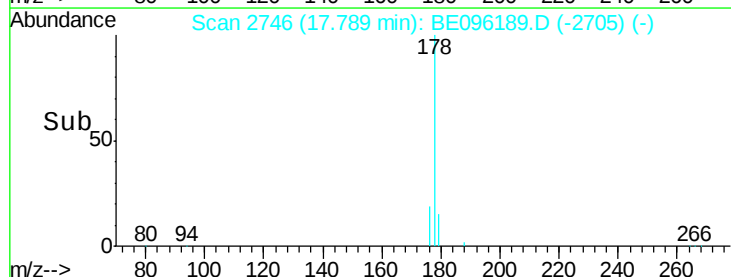
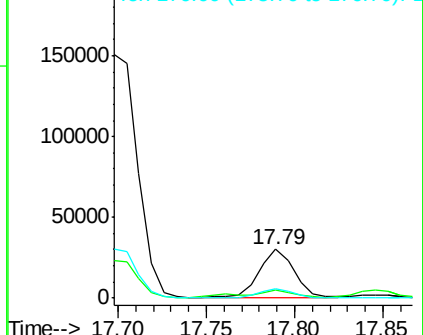


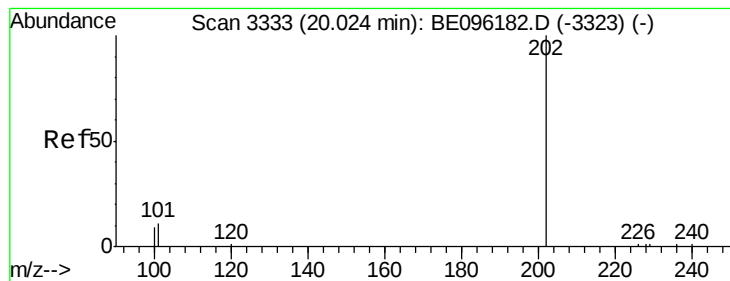
Abundance

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





#17

Pvrene

Concen: 1264.099 ng/ul

RT: 20.03 min Scan# 3333

Delta R.T. 0.01 min

Lab File: BE096189.D

Acq: 26 Apr 2018 21:08

Instrument :

BNA\_E

ClientSampleId :

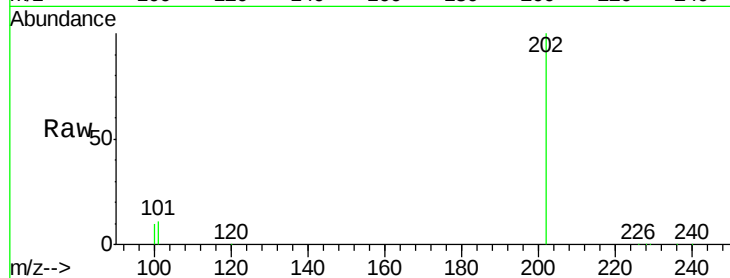
Tot Ion:202 Resp: 413365

Ion Ratio Lower Upper

202 100

101 10.5 18.2 27.4#

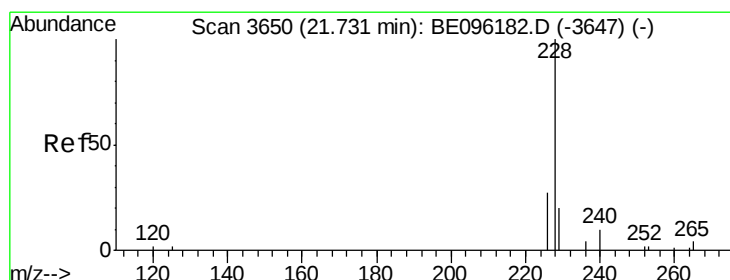
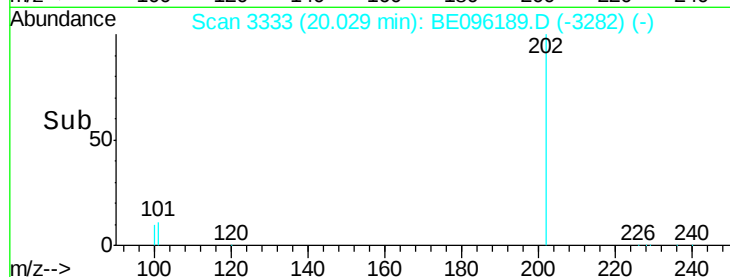
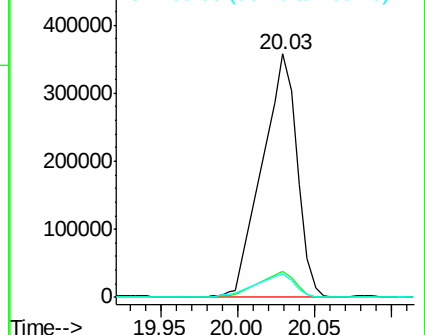
100 9.6 15.6 23.4#



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: 38.034 ng/ul

RT: 21.92 min Scan# 3676

Delta R.T. 0.19 min

Lab File: BE096189.D

Acq: 26 Apr 2018 21:08

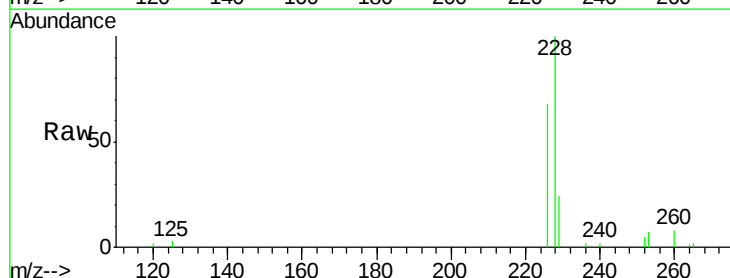
Tgt Ion:228 Resp: 18769

Ion Ratio Lower Upper

228 100

229 23.7 22.8 34.2

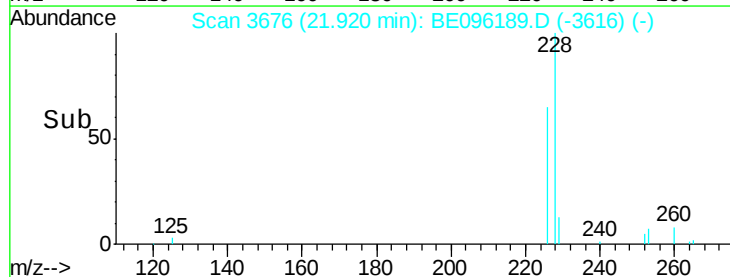
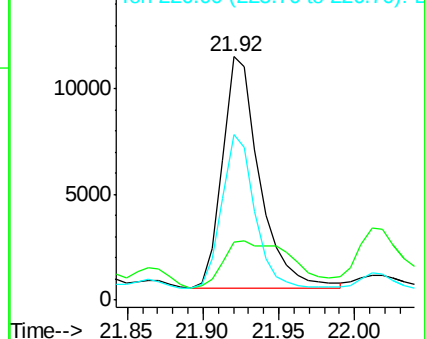
226 68.3 17.0 25.6#

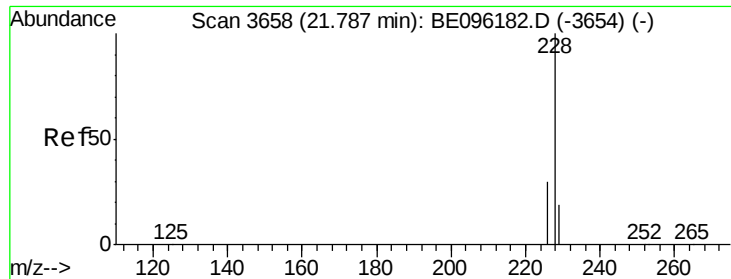


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 552.042 ng/ul

RT: 21.79 min Scan# 3658

Delta R.T. 0.01 min

Lab File: BE096189.D

Acq: 26 Apr 2018 21:08

Instrument :

BNA\_E

ClientSampleId :

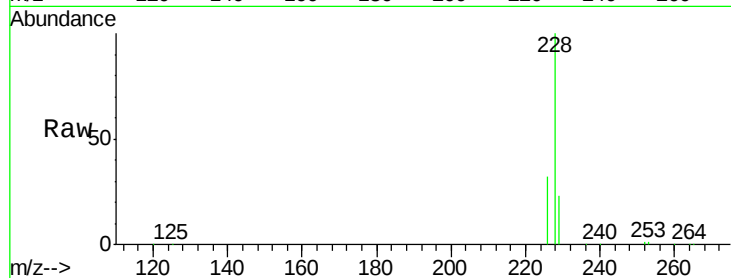
Tot Ion:228 Resp: 250331

Ion Ratio Lower Upper

228 100

226 31.8 23.4 35.0

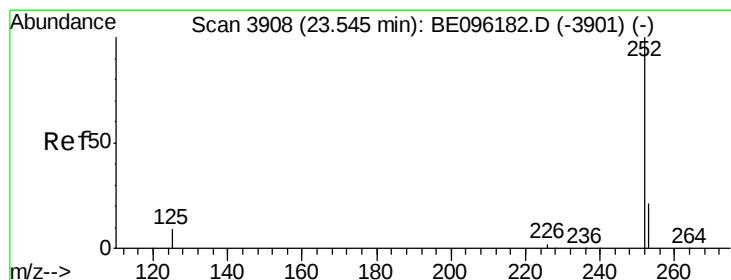
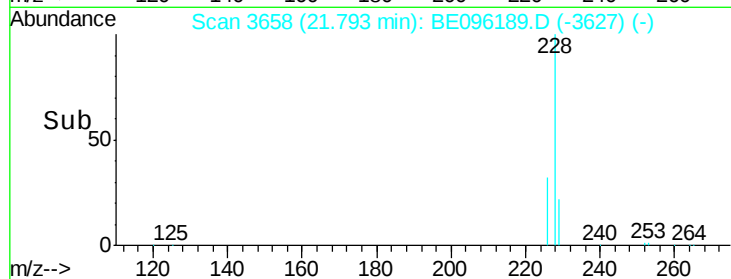
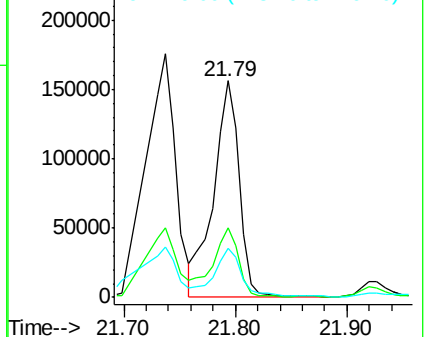
229 22.6 17.7 26.5



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: 98.625 ng/ul

RT: 23.76 min Scan# 3938

Delta R.T. 0.22 min

Lab File: BE096189.D

Acq: 26 Apr 2018 21:08

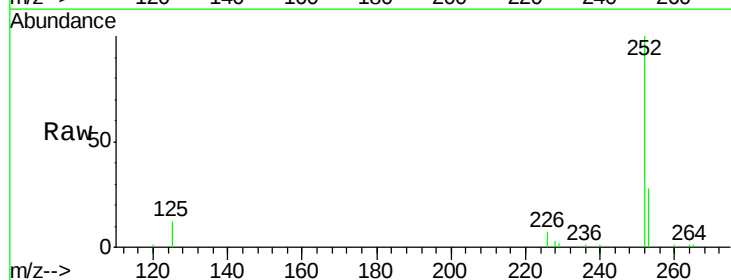
Tgt Ion:252 Resp: 51162

Ion Ratio Lower Upper

252 100

253 27.7 0.0 64.2

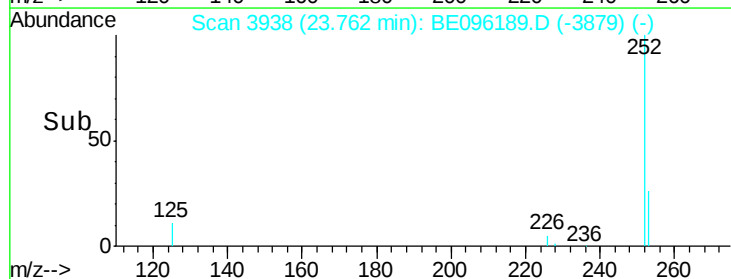
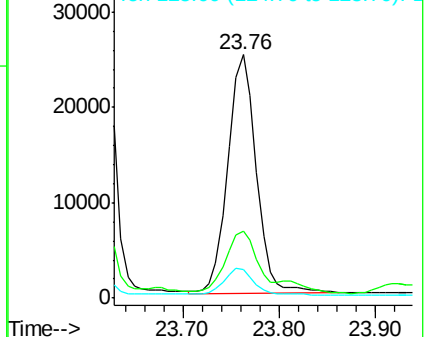
125 11.9 0.0 35.0

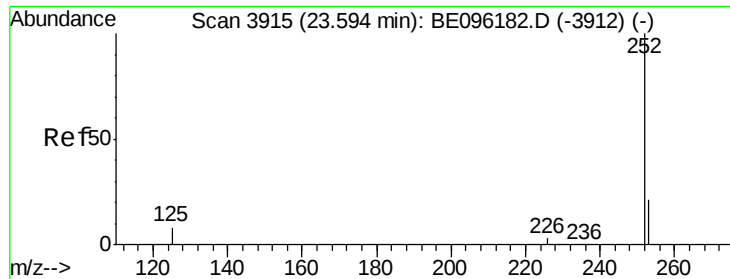


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 102.597 ng/ul

RT: 23.76 min Scan# 3938

Delta R.T. 0.17 min

Lab File: BE096189.D

Acq: 26 Apr 2018 21:08

Instrument :

BNA\_E

ClientSampleId :

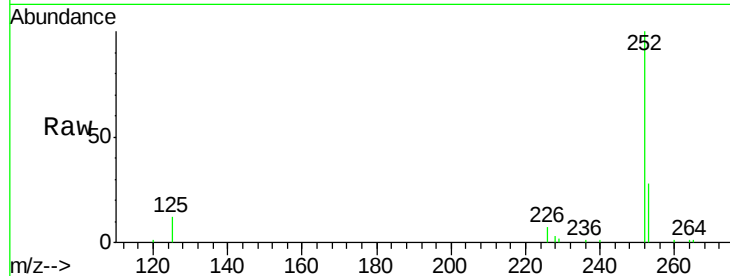
Tot Ion:252 Resp: 50879

Ion Ratio Lower Upper

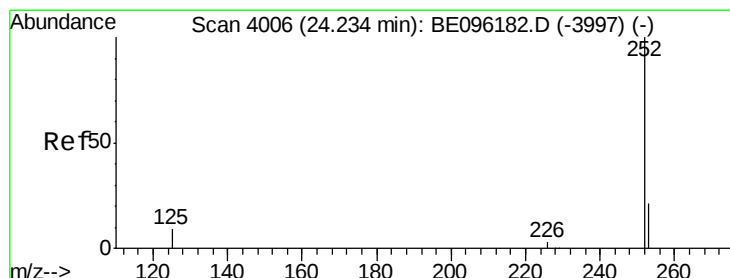
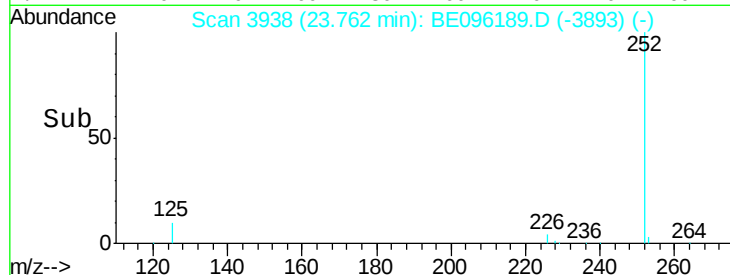
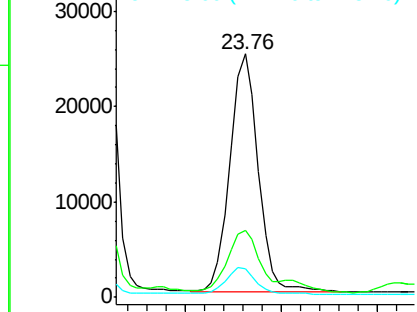
252 100

253 27.7 24.5 36.7

125 11.9 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: 127.512 ng/ul

RT: 24.42 min Scan# 4032

Delta R.T. 0.19 min

Lab File: BE096189.D

Acq: 26 Apr 2018 21:08

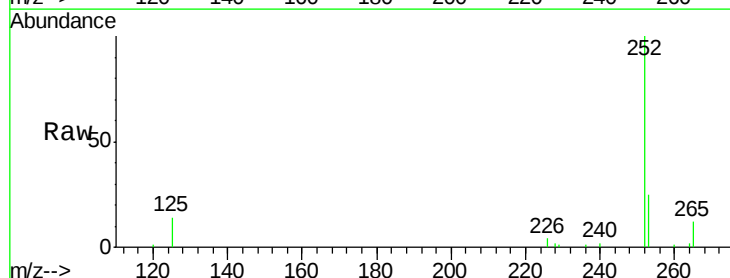
Tgt Ion:252 Resp: 57466

Ion Ratio Lower Upper

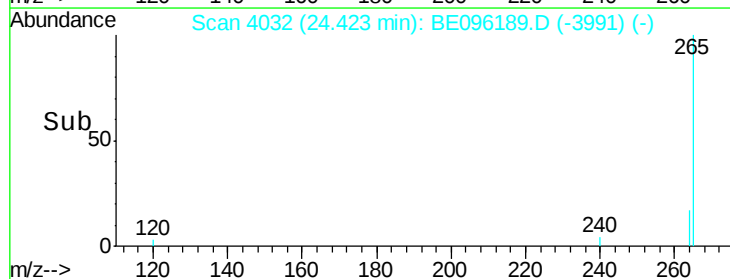
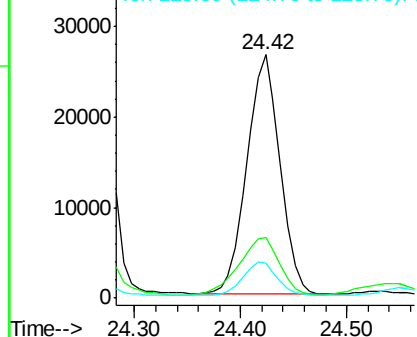
252 100

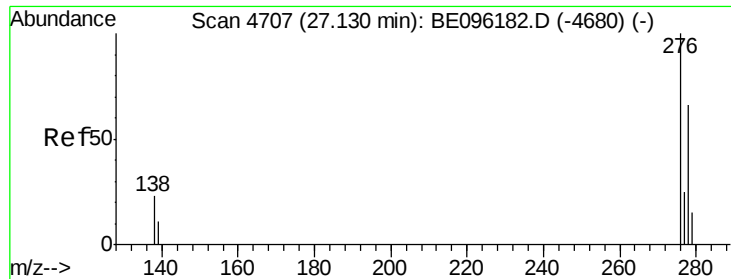
253 24.7 28.5 42.7#

125 14.2 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

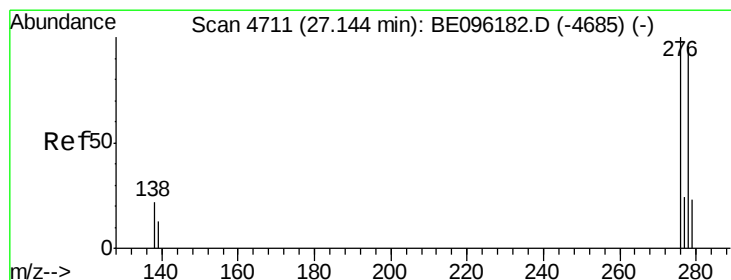
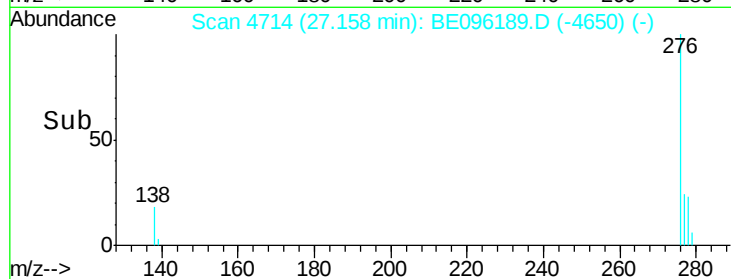
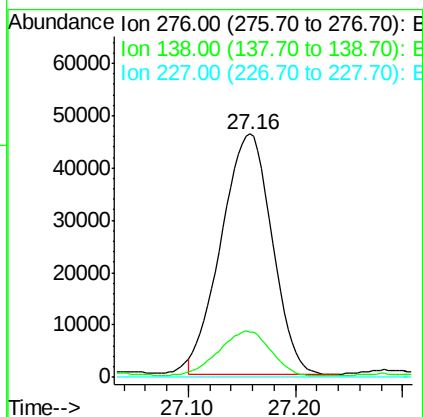
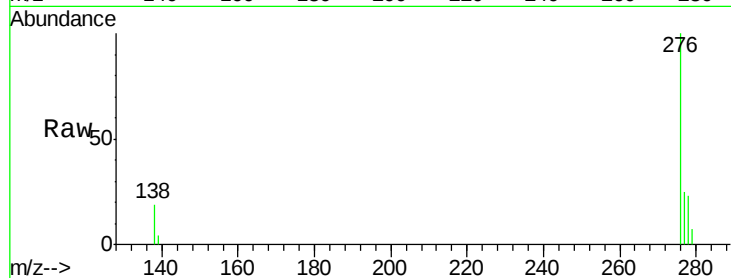




#24  
 Indeno(1,2,3-cd)pyrene  
 Concen: 247.792 ng/ul  
 RT: 27.16 min Scan# 4714  
 Delta R.T. 0.03 min  
 Lab File: BE096189.D  
 Acq: 26 Apr 2018 21:08

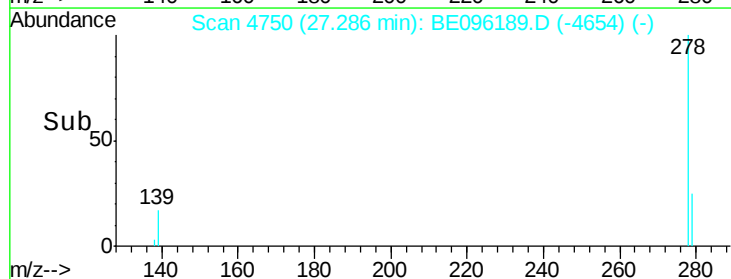
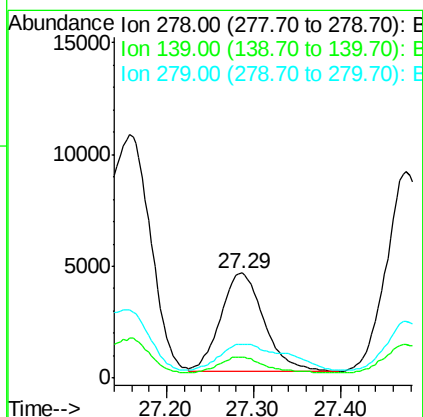
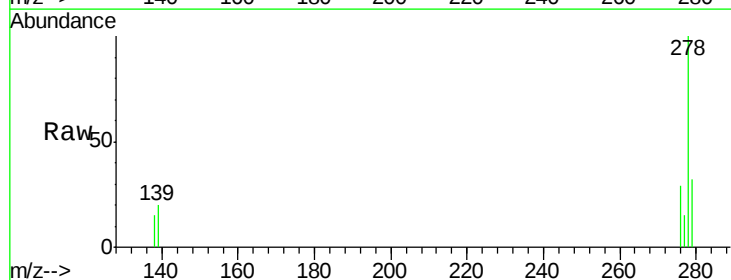
Instrument :  
 BNA\_E  
 ClientSampleId :

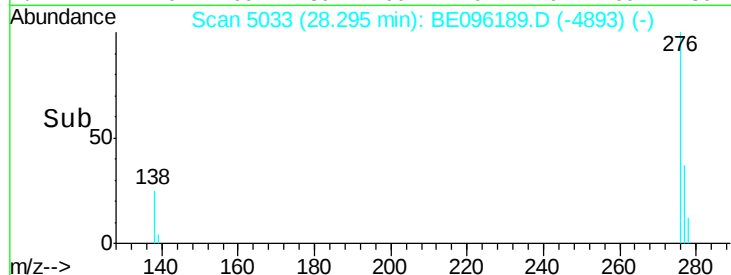
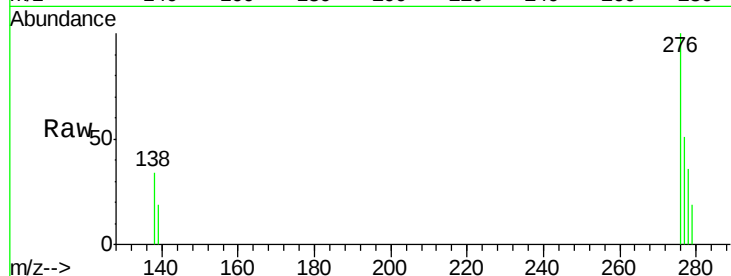
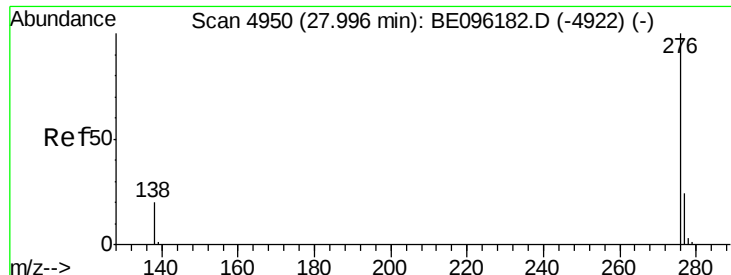
Tot Ion:276 Resp: 150469  
 Ion Ratio Lower Upper  
 276 100  
 138 19.0 28.0 42.0#  
 227 0.0 8.0 12.0#



#25  
 Dibenzo(a,h)anthracene  
 Concen: 30.096 ng/ul  
 RT: 27.29 min Scan# 4750  
 Delta R.T. 0.14 min  
 Lab File: BE096189.D  
 Acq: 26 Apr 2018 21:08

Tgt Ion:278 Resp: 15302  
 Ion Ratio Lower Upper  
 278 100  
 139 20.1 17.4 26.0  
 279 32.2 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 8.748 ng/ul

RT: 28.30 min Scan# 5033

Delta R.T. 0.30 min

Lab File: BE096189.D

Acq: 26 Apr 2018 21:08

Instrument :

BNA\_E

ClientSampleId :

Tot Ion:276 Resp: 4624

Ion Ratio Lower Upper

276 100

138 33.9 21.8 32.8#

277 50.8 20.5 30.7#

