

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\  
 Data File : BE096064.D  
 Acq On : 21 Apr 2018 5:25  
 Operator : SJ/JU  
 Sample : J2434-03  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 C0AB8

Quant Time: Apr 23 01:09:04 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 23 01:07:45 2018  
 Response via : Initial Calibration

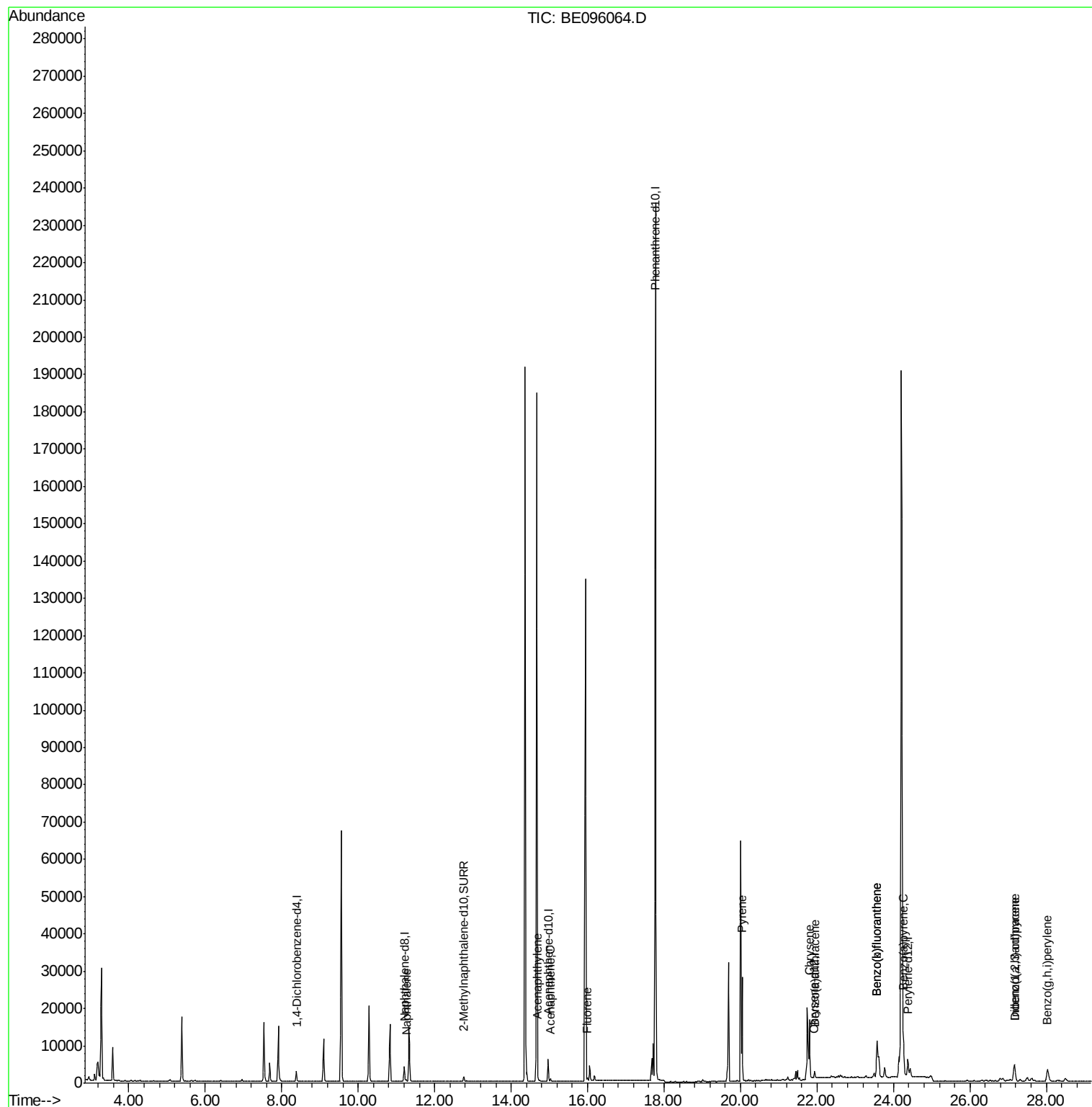
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|---------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.38  | 152  | 2005     | 0.40    | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 11.20 | 136  | 5542     | 0.40    | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.97 | 164  | 3307     | 0.40    | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.78 | 188  | 289099   | 0.40    | ng/ul  | 0.10     |
| 16) Chrysene-d12            | 21.91 | 240  | 20       | 0.40    | ng/ul  | 0.14     |
| 20) Perylene-d12            | 24.38 | 264  | 7545     | 0.40    | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |         |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.76 | 152  | 1640     | 0.16    | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 0.00  | 212  | 0        | 0.00    | ng/ul  |          |
| Target Compounds            |       |      |          |         | Ovalue |          |
| 3) Naphthalene              | 11.25 | 128  | 438      | 0.028   | ng/ul# | 61       |
| 7) Acenaphthylene           | 14.70 | 152  | 376      | 0.022   | ng/ul# | 64       |
| 8) Acenaphthene             | 15.03 | 153  | 361      | 0.029   | ng/ul# | 92       |
| 9) Fluorene                 | 16.00 | 166  | 438      | 0.032   | ng/ul# | 84       |
| 17) Pyrene                  | 20.04 | 202  | 31798    | 467.888 | ng/ul# | 78       |
| 18) Benzo(a)anthracene      | 21.94 | 228  | 1391     | 17.215  | ng/ul# | 56       |
| 19) Chrysene                | 21.80 | 228  | 15505    | 266.622 | ng/ul  | 98       |
| 21) Benzo(b)fluoranthene    | 23.57 | 252  | 26179    | 1.072   | ng/ul  | 87       |
| 22) Benzo(k)fluoranthene    | 23.57 | 252  | 26179    | 1.076   | ng/ul# | 89       |
| 23) Benzo(a)pyrene          | 24.26 | 252  | 14236    | 0.604   | ng/ul# | 80       |
| 24) Indeno(1,2,3-cd)pyrene  | 27.16 | 276  | 8428     | 0.322   | ng/ul# | 74       |
| 25) Dibenzo(a,h)anthracene  | 27.17 | 278  | 2237     | 0.106   | ng/ul# | 87       |
| 26) Benzo(g,h,i)perylene    | 28.03 | 276  | 7573     | 0.346   | ng/ul  | 95       |

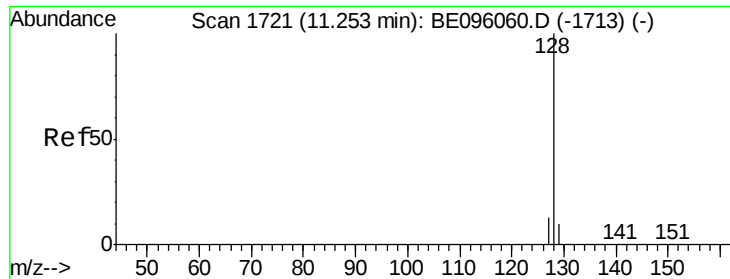
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.028 ng/ul

RT: 11.25 min Scan# 1721

Delta R.T. -0.00 min

Lab File: BE096064.D

Acq: 21 Apr 2018 5:25

Instrument :

BNA\_E

ClientSampleId :

C0AB8

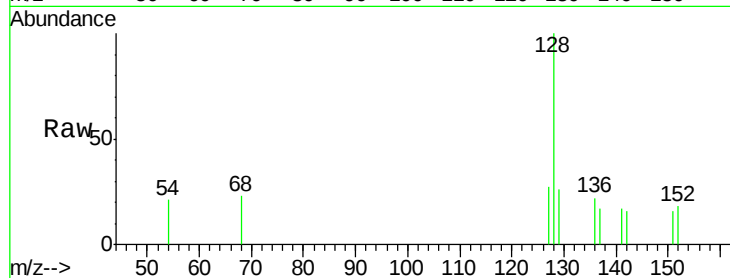
Tot Ion:128 Resp: 438

Ion Ratio Lower Upper

128 100

129 26.3 11.3 16.9#

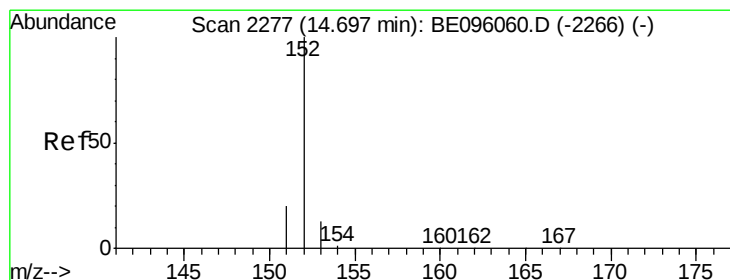
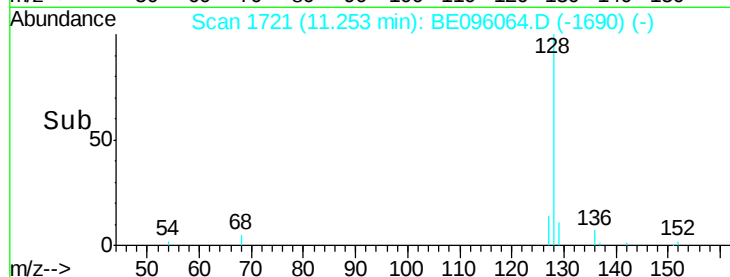
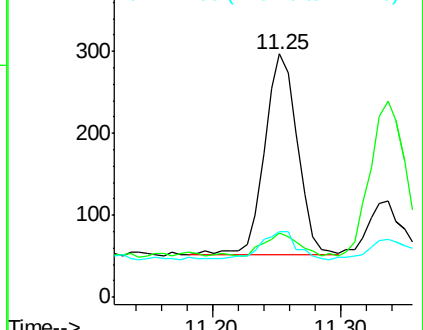
127 26.9 4.0 6.0#



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



#7

Acenaphthylene

Concen: 0.022 ng/ul

RT: 14.70 min Scan# 2278

Delta R.T. 0.01 min

Lab File: BE096064.D

Acq: 21 Apr 2018 5:25

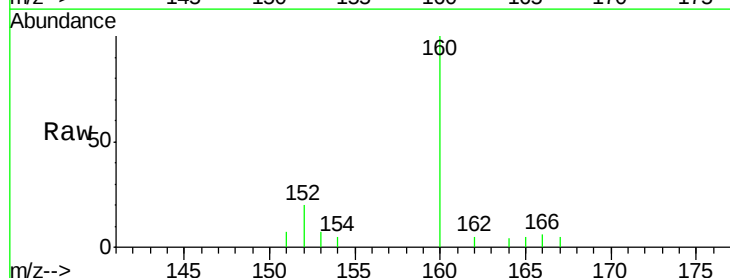
Tgt Ion:152 Resp: 376

Ion Ratio Lower Upper

152 100

151 36.7 17.1 25.7#

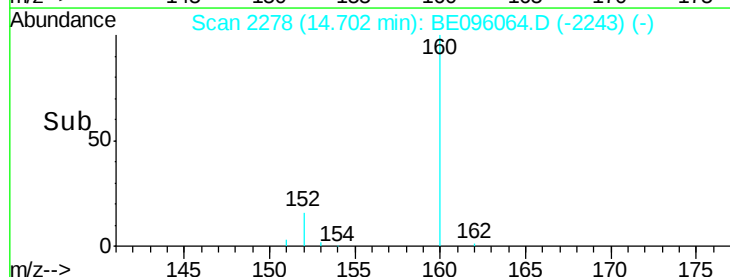
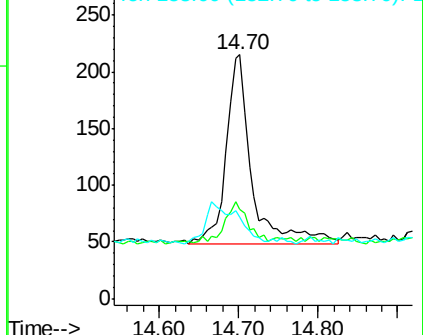
153 33.5 12.8 19.2#

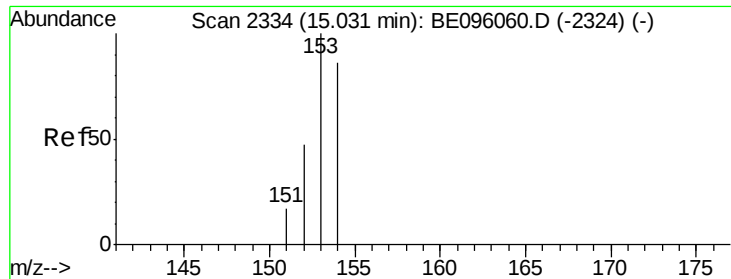


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#8

Acenaphthene

Concen: 0.029 ng/ul

RT: 15.03 min Scan# 2334

Delta R.T. -0.00 min

Lab File: BE096064.D

Acq: 21 Apr 2018 5:25

Instrument :

BNA\_E

ClientSampleId :

C0AB8

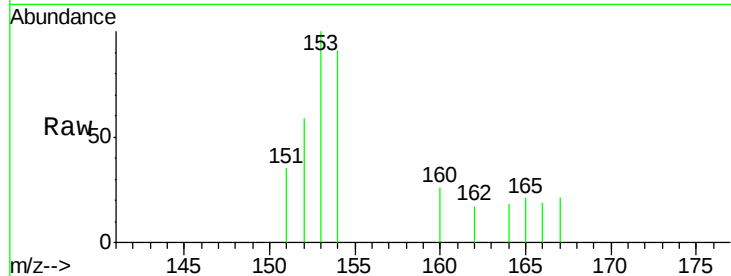
Tot Ion:153 Resp: 361

Ion Ratio Lower Upper

153 100

152 58.7 36.0 54.0#

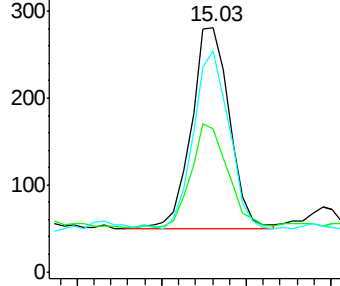
154 90.7 72.0 108.0



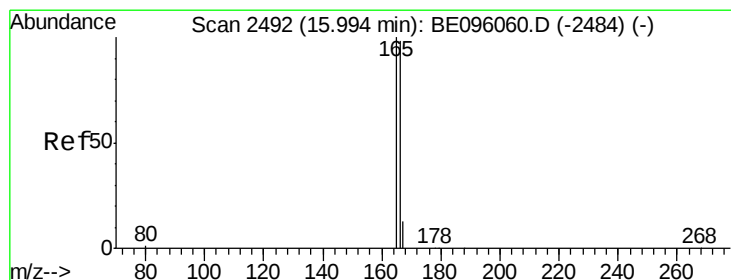
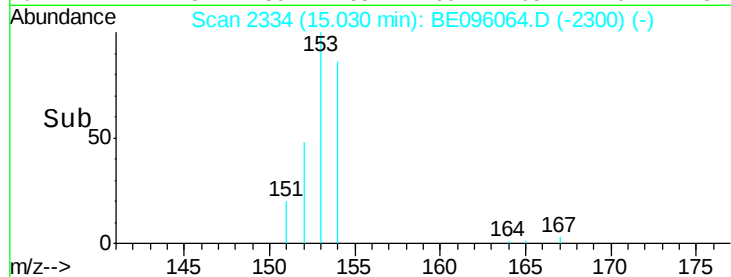
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->



#9

Fluorene

Concen: 0.032 ng/ul

RT: 16.00 min Scan# 2492

Delta R.T. 0.00 min

Lab File: BE096064.D

Acq: 21 Apr 2018 5:25

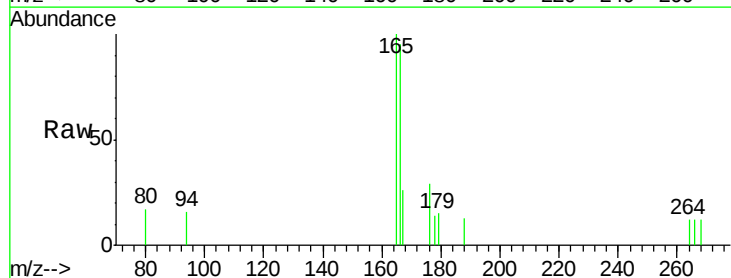
Tgt Ion:166 Resp: 438

Ion Ratio Lower Upper

166 100

165 105.5 73.4 110.2

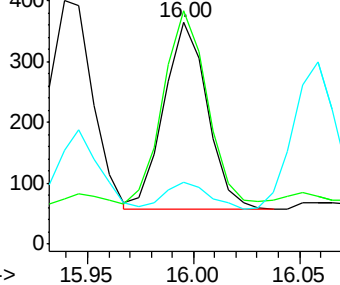
167 27.7 14.6 22.0#



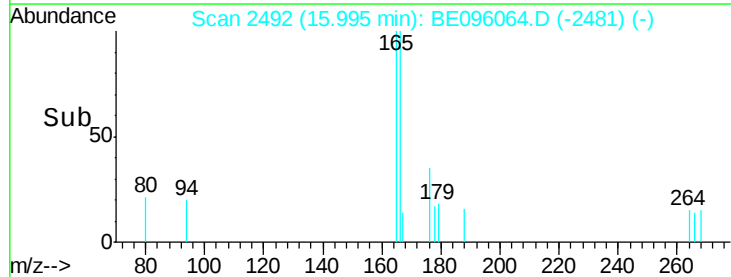
Abundance Ion 166.00 (165.70 to 166.70): E

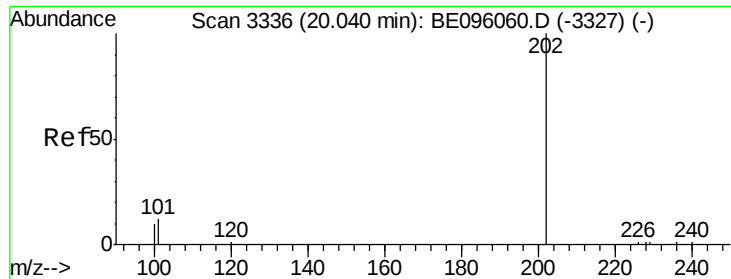
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->

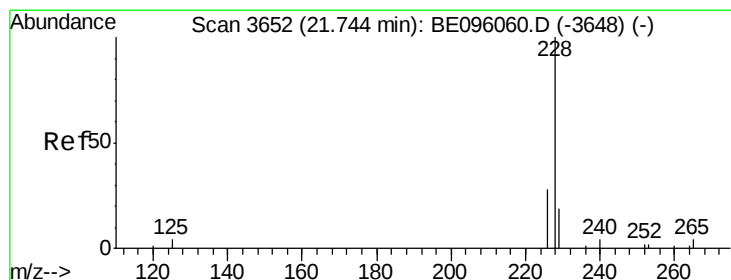
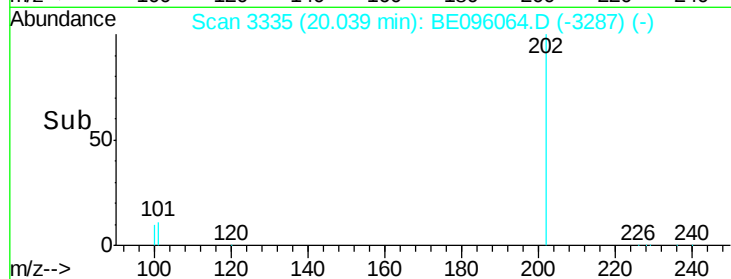
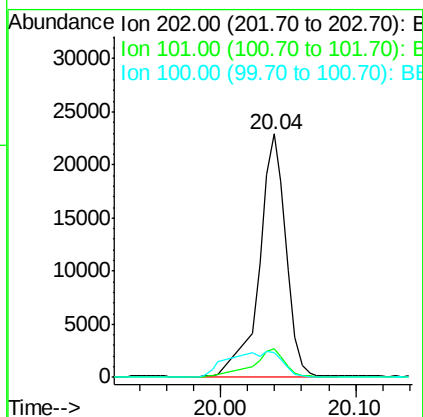
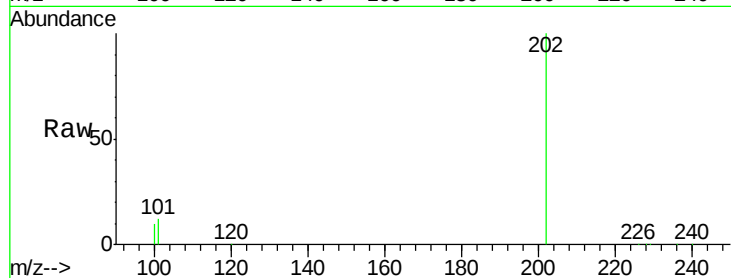




#17  
 Pvrene  
 Concen: 467.888 ng/ul  
 RT: 20.04 min Scan# 3335  
 Delta R.T. -0.00 min  
 Lab File: BE096064.D  
 Acq: 21 Apr 2018 5:25

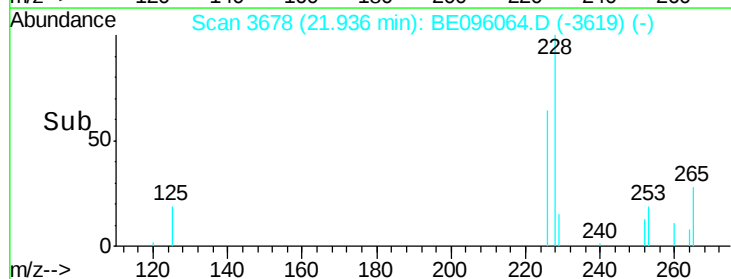
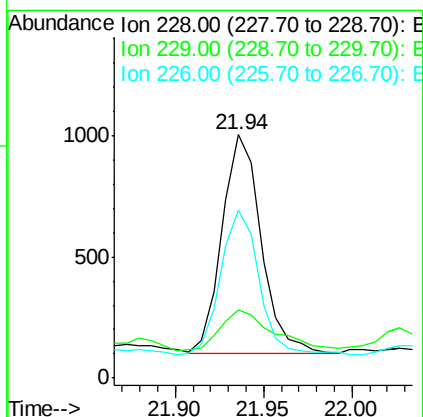
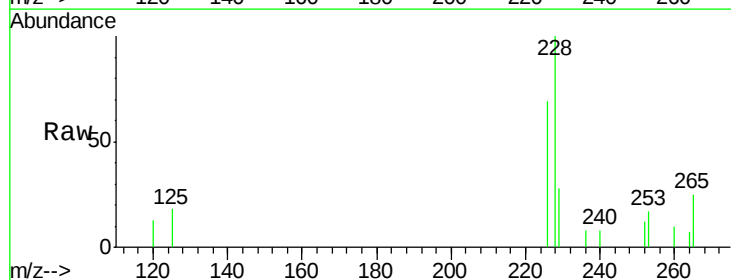
Instrument :  
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 C0AB8

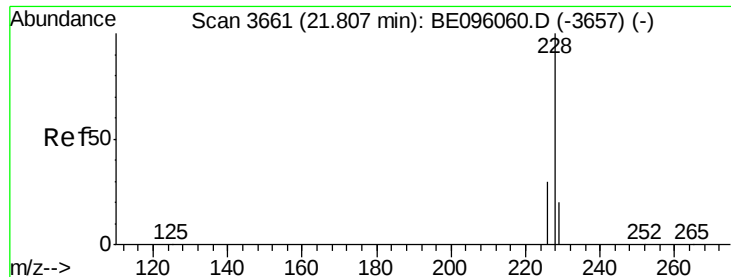
Tot Ion:202 Resp: 31798  
 Ion Ratio Lower Upper  
 202 100  
 101 11.6 18.2 27.4#  
 100 10.4 15.6 23.4#



#18  
 Benzo(a)anthracene  
 Concen: 17.215 ng/ul  
 RT: 21.94 min Scan# 3678  
 Delta R.T. 0.19 min  
 Lab File: BE096064.D  
 Acq: 21 Apr 2018 5:25

Tgt Ion:228 Resp: 1391  
 Ion Ratio Lower Upper  
 228 100  
 229 28.3 22.8 34.2  
 226 69.0 17.0 25.6#





#19

Chrysene

Concen: 266.622 ng/ul

RT: 21.80 min Scan# 3659

Delta R.T. -0.01 min

Lab File: BE096064.D

Acq: 21 Apr 2018 5:25

Instrument :

BNA\_E

ClientSampleId :

C0AB8

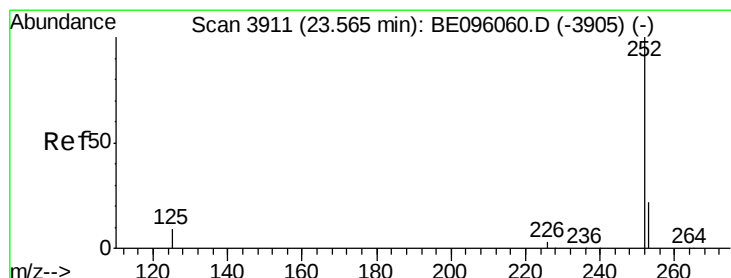
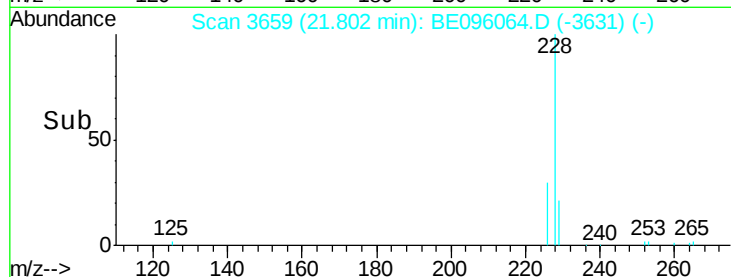
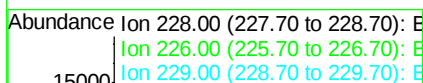
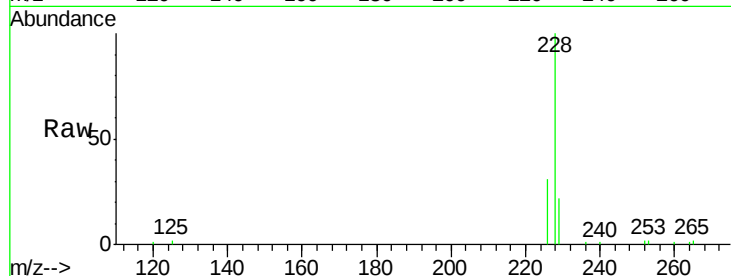
Tot Ion:228 Resp: 15505

Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.0

229 22.0 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 1.072 ng/ul

RT: 23.57 min Scan# 3910

Delta R.T. 0.00 min

Lab File: BE096064.D

Acq: 21 Apr 2018 5:25

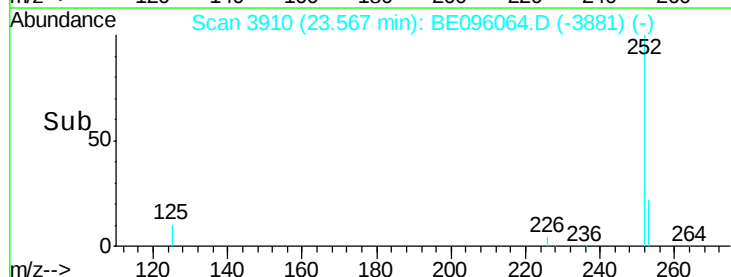
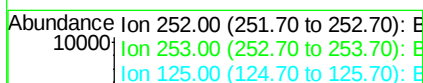
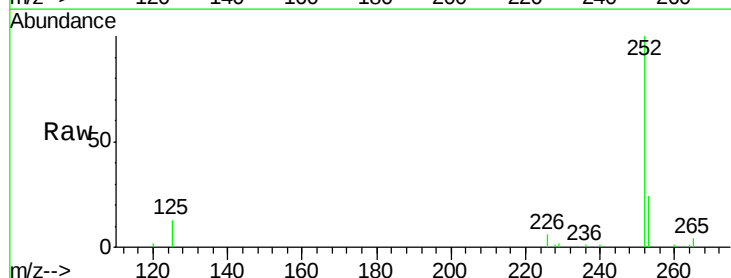
Tgt Ion:252 Resp: 26179

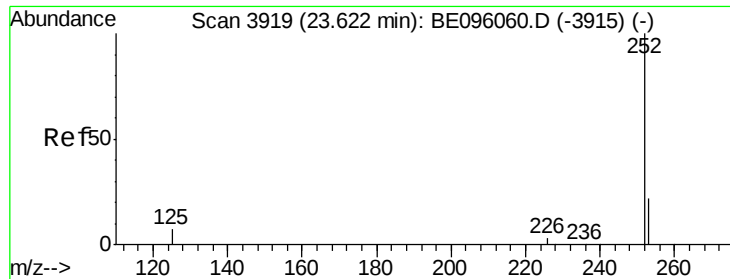
Ion Ratio Lower Upper

252 100

253 24.1 0.0 64.2

125 12.6 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 1.076 ng/ul

RT: 23.57 min Scan# 3910

Delta R.T. -0.05 min

Lab File: BE096064.D

Acq: 21 Apr 2018 5:25

Instrument :

BNA\_E

ClientSampleId :

C0AB8

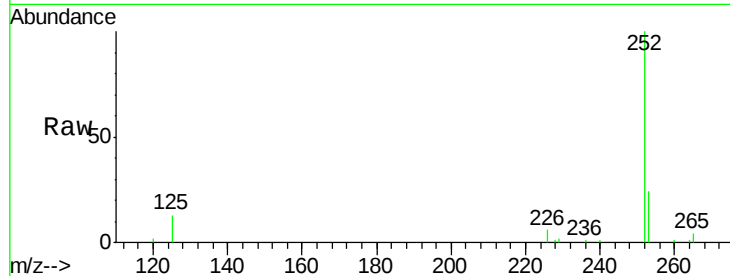
Tot Ion:252 Resp: 26179

Ion Ratio Lower Upper

252 100

253 24.1 24.5 36.7#

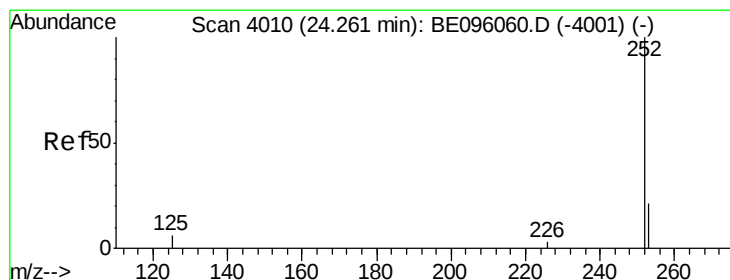
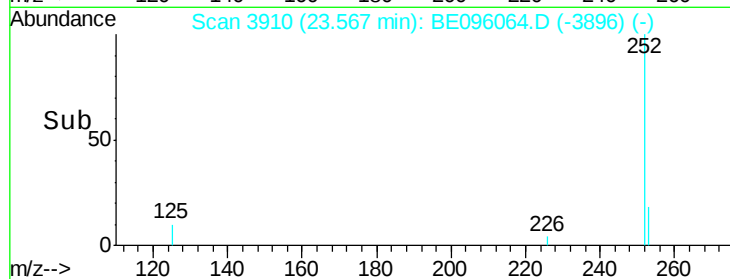
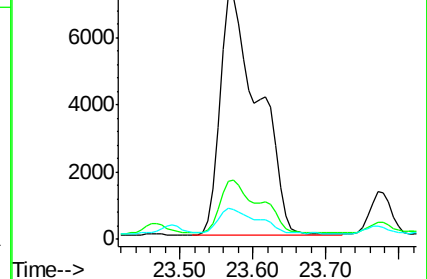
125 12.6 13.7 20.5#



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: 0.604 ng/ul

RT: 24.26 min Scan# 4009

Delta R.T. 0.00 min

Lab File: BE096064.D

Acq: 21 Apr 2018 5:25

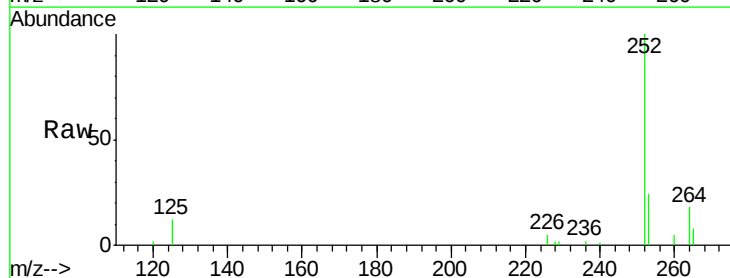
Tgt Ion:252 Resp: 14236

Ion Ratio Lower Upper

252 100

253 23.8 28.5 42.7#

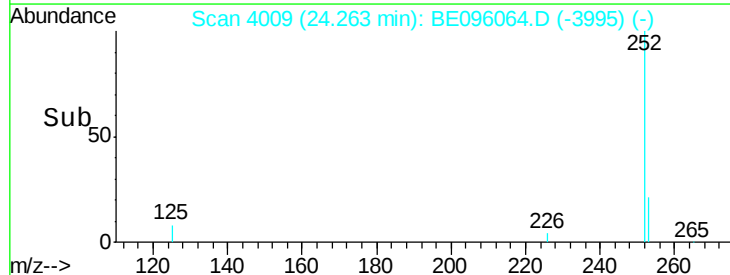
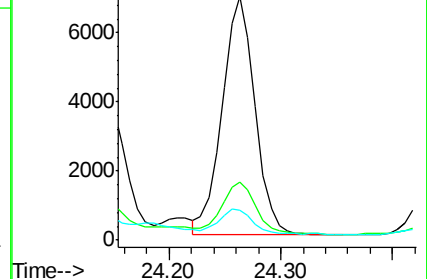
125 12.5 18.1 27.1#

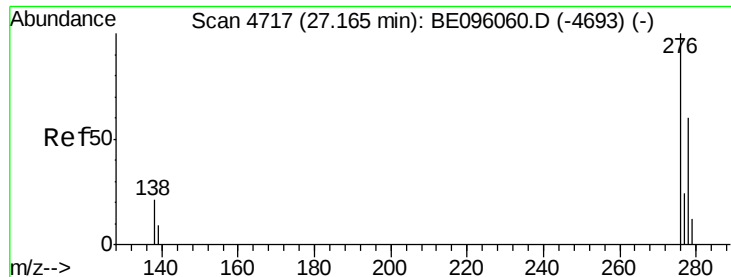


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



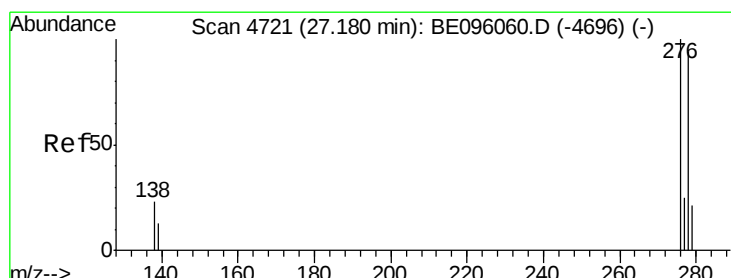
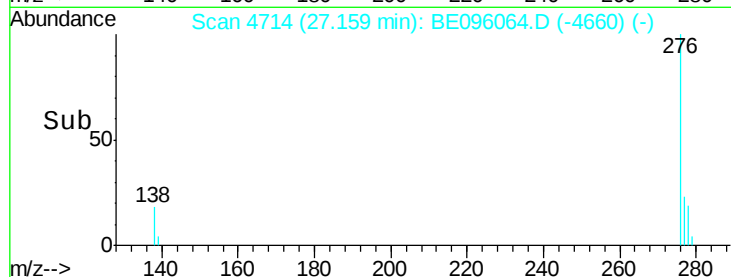
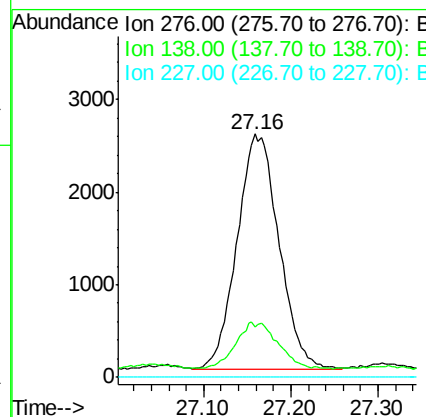
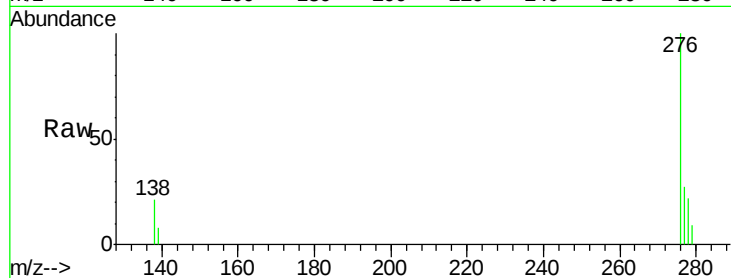


#24

Indeno(1,2,3-cd)pyrene  
Concen: 0.322 ng/ul  
RT: 27.16 min Scan# 4714  
Delta R.T. -0.01 min  
Lab File: BE096064.D  
Acq: 21 Apr 2018 5:25

Instrument :  
BNA\_E  
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C0AB8

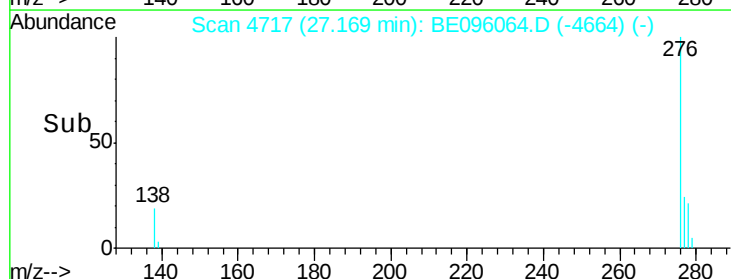
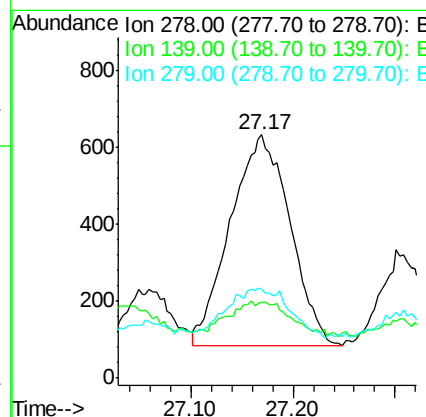
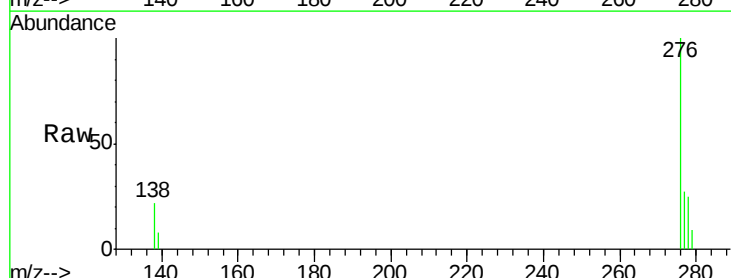
Tot Ion:276 Resp: 8428  
Ion Ratio Lower Upper  
276 100  
138 20.1 28.0 42.0#  
227 0.0 8.0 12.0#

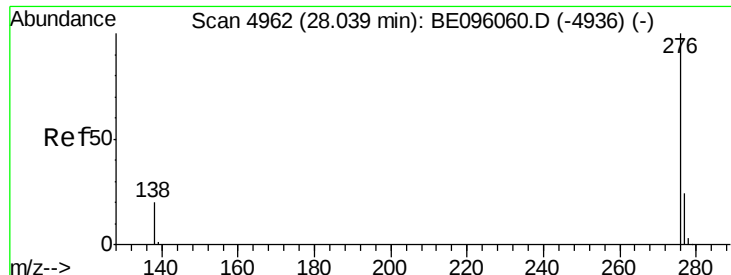


#25

Dibenzo(a,h)anthracene  
Concen: 0.106 ng/ul  
RT: 27.17 min Scan# 4717  
Delta R.T. -0.01 min  
Lab File: BE096064.D  
Acq: 21 Apr 2018 5:25

Tgt Ion:278 Resp: 2237  
Ion Ratio Lower Upper  
278 100  
139 31.3 17.4 26.0#  
279 36.7 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 0.346 ng/ul

RT: 28.03 min Scan# 4958

Delta R.T. -0.01 min

Lab File: BE096064.D

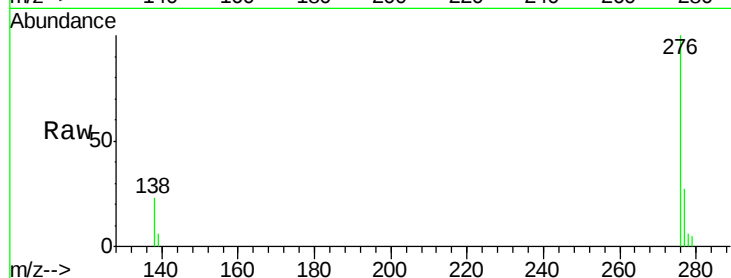
Acq: 21 Apr 2018 5:25

Instrument :

BNA\_E

ClientSampleId :

C0AB8



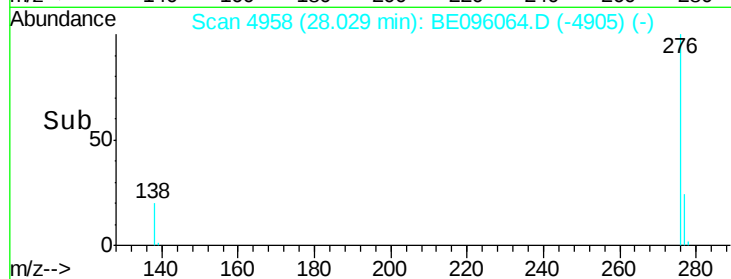
Tot Ion: 276 Resp: 7573

Ion Ratio Lower Upper

276 100

138 23.1 21.8 32.8

277 26.5 20.5 30.7



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

