

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\  
 Data File : BE096038.D  
 Acq On : 20 Apr 2018 9:03  
 Operator : SJ/JU  
 Sample : SSTDC00.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTD0.443

Quant Time: Apr 21 00:57:08 2018  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 18 01:18:08 2018  
 Response via : Initial Calibration

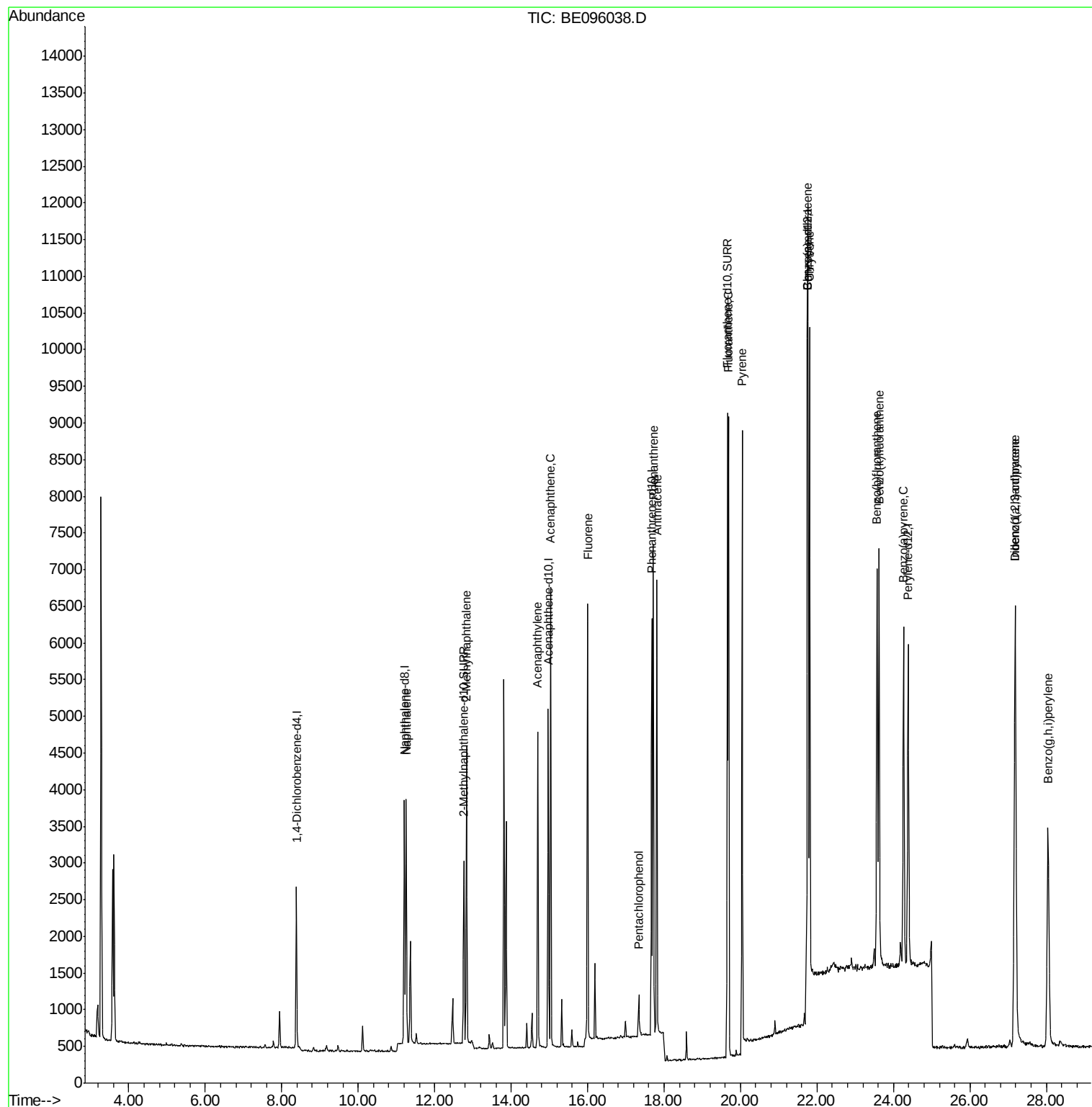
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.39  | 152  | 1801     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 11.21 | 136  | 4596     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.97 | 164  | 2582     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.68 | 188  | 6504     | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.77 | 240  | 8370     | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 24.38 | 264  | 6837     | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.76 | 152  | 3205     | 0.37   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.66 | 212  | 9637     | 0.36   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 3) Naphthalene              | 11.25 | 128  | 4710     | 0.367  | ng/ul# | 88       |
| 5) 2-Methylnaphthalene      | 12.83 | 142  | 3305     | 0.380  | ng/ul  | 98       |
| 7) Acenaphthylene           | 14.70 | 152  | 4962     | 0.371  | ng/ul  | 97       |
| 8) Acenaphthene             | 15.03 | 153  | 3605     | 0.375  | ng/ul  | 94       |
| 9) Fluorene                 | 16.00 | 166  | 4087     | 0.377  | ng/ul# | 94       |
| 11) Pentachlorophenol       | 17.34 | 266  | 364      | 0.264  | ng/ul  | 94       |
| 12) Phenanthrene            | 17.72 | 178  | 7015     | 0.366  | ng/ul# | 89       |
| 13) Anthracene              | 17.81 | 178  | 6844     | 0.359  | ng/ul# | 92       |
| 15) Fluoranthene            | 19.69 | 202  | 9391     | 0.360  | ng/ul  | 85       |
| 17) Pyrene                  | 20.04 | 202  | 10037    | 0.353  | ng/ul# | 81       |
| 18) Benzo(a)anthracene      | 21.75 | 228  | 12034    | 0.356  | ng/ul# | 85       |
| 19) Chrysene                | 21.81 | 228  | 8493     | 0.349  | ng/ul  | 95       |
| 21) Benzo(b)fluoranthene    | 23.57 | 252  | 8039     | 0.363  | ng/ul  | 88       |
| 22) Benzo(k)fluoranthene    | 23.62 | 252  | 8149     | 0.370  | ng/ul# | 89       |
| 23) Benzo(a)pyrene          | 24.26 | 252  | 7700     | 0.361  | ng/ul# | 84       |
| 24) Indeno(1,2,3-cd)pyrene  | 27.18 | 276  | 8545     | 0.360  | ng/ul# | 77       |
| 25) Dibenzo(a,h)anthracene  | 27.19 | 278  | 6754     | 0.354  | ng/ul  | 92       |
| 26) Benzo(g,h,i)perylene    | 28.04 | 276  | 7330     | 0.370  | ng/ul  | 94       |

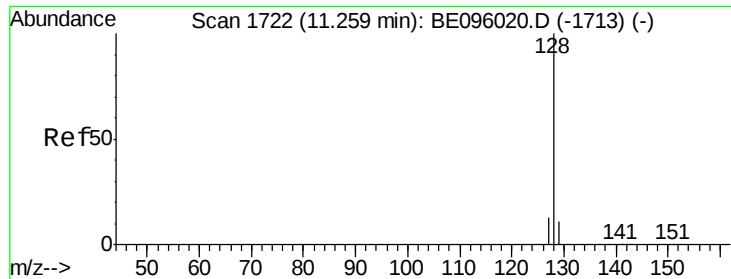
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042018\  
Data File : BE096038.D  
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Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
SSTD0.443

Quant Time: Apr 21 00:57:08 2018  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE040618.M  
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QLast Update : Wed Apr 18 01:18:08 2018  
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.367 ng/ul

RT: 11.25 min Scan# 1721

Delta R.T. -0.01 min

Lab File: BE096038.D

Acq: 20 Apr 2018 9:03

Instrument :

BNA\_E

ClientSampleId :

SSTD0.443

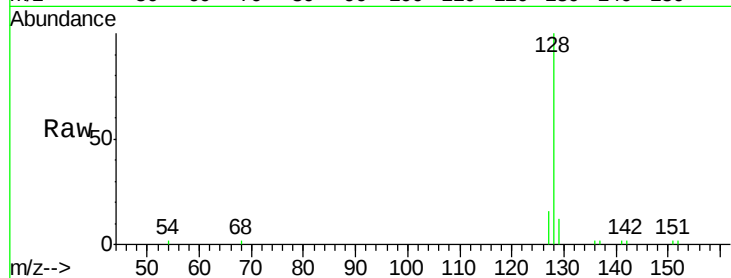
Tot Ion:128 Resp: 4710

Ion Ratio Lower Upper

128 100

129 12.2 11.3 16.9

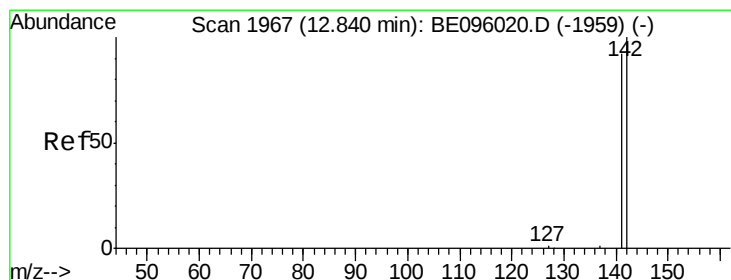
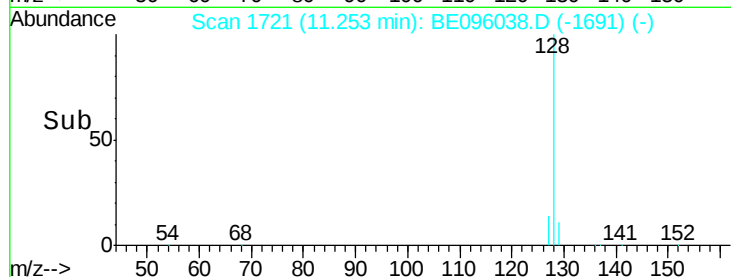
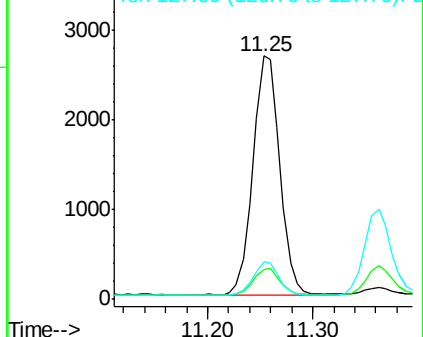
127 15.5 4.0 6.0#



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: 0.380 ng/ul

RT: 12.83 min Scan# 1966

Delta R.T. -0.01 min

Lab File: BE096038.D

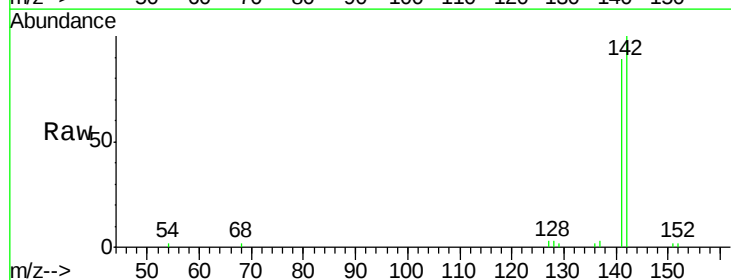
Acq: 20 Apr 2018 9:03

Tgt Ion:142 Resp: 3305

Ion Ratio Lower Upper

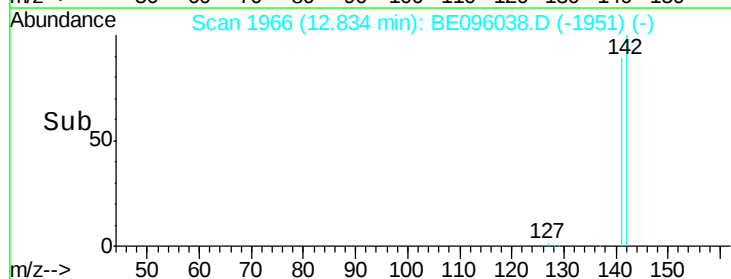
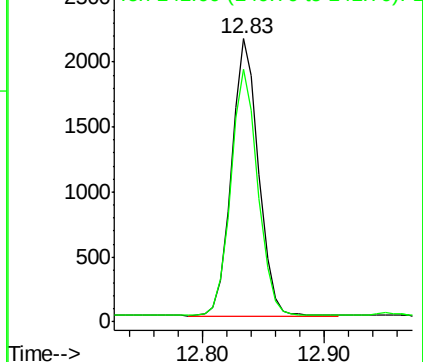
142 100

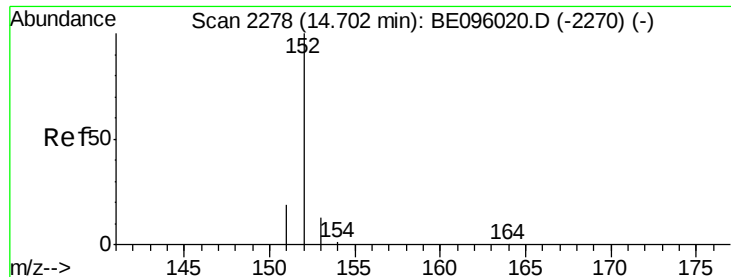
141 88.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.371 ng/ul

RT: 14.70 min Scan# 2276

Delta R.T. -0.01 min

Lab File: BE096038.D

Acq: 20 Apr 2018 9:03

Instrument :

BNA\_E

ClientSampleId :

SSTD0.443

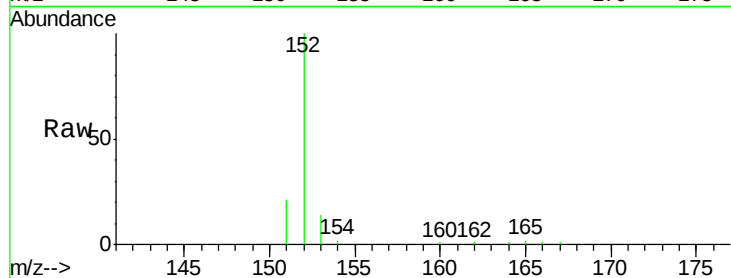
Tot Ion:152 Resp: 4962

Ion Ratio Lower Upper

152 100

151 21.4 17.1 25.7

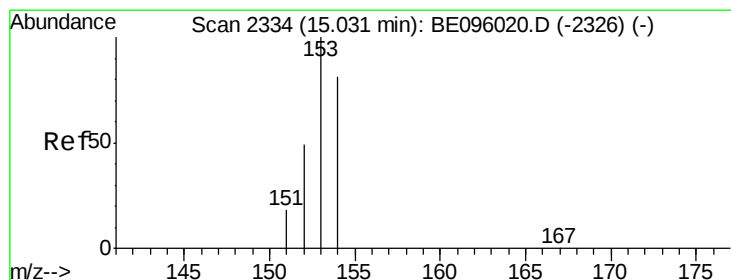
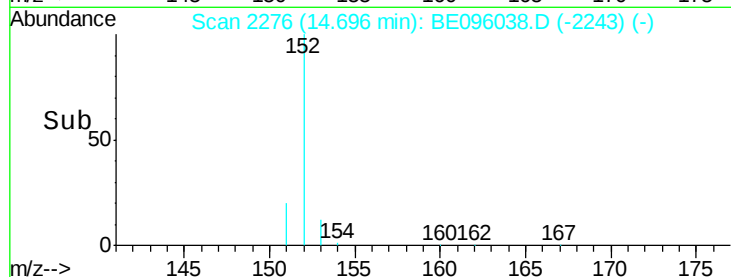
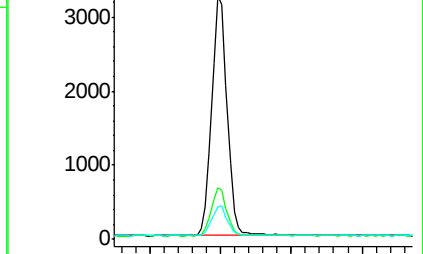
153 13.5 12.8 19.2



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: 0.375 ng/ul

RT: 15.03 min Scan# 2333

Delta R.T. -0.00 min

Lab File: BE096038.D

Acq: 20 Apr 2018 9:03

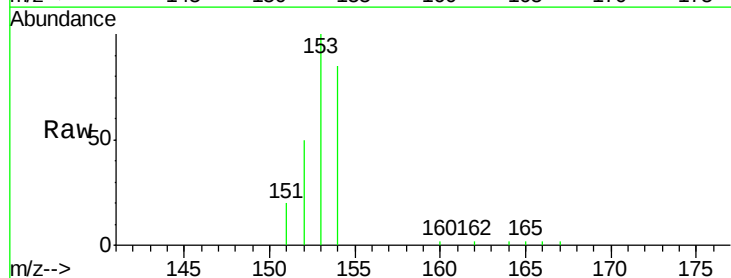
Tgt Ion:153 Resp: 3605

Ion Ratio Lower Upper

153 100

152 49.5 36.0 54.0

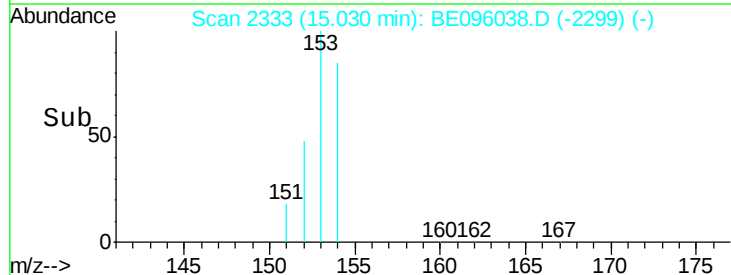
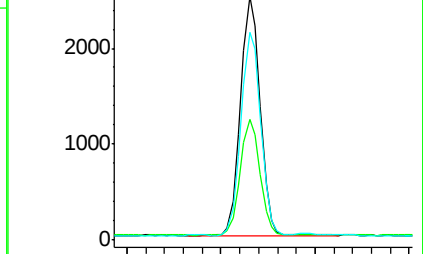
154 85.4 72.0 108.0

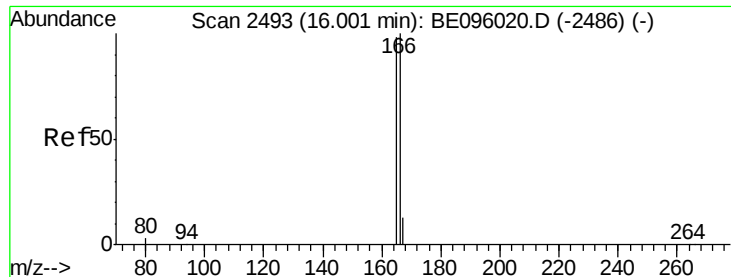


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.377 ng/ul

RT: 16.00 min Scan# 2492

Delta R.T. -0.00 min

Lab File: BE096038.D

Acq: 20 Apr 2018 9:03

Instrument :

BNA\_E

ClientSampleId :

SSTD0.443

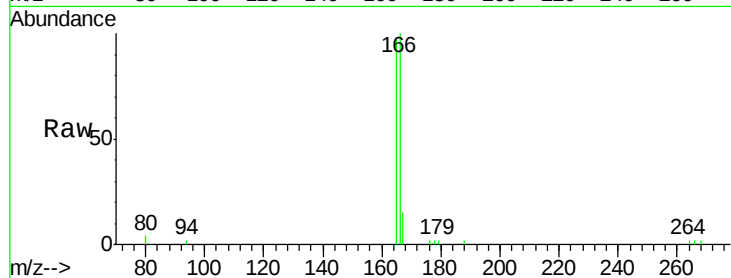
Tot Ion:166 Resp: 4087

Ion Ratio Lower Upper

166 100

165 97.0 73.4 110.2

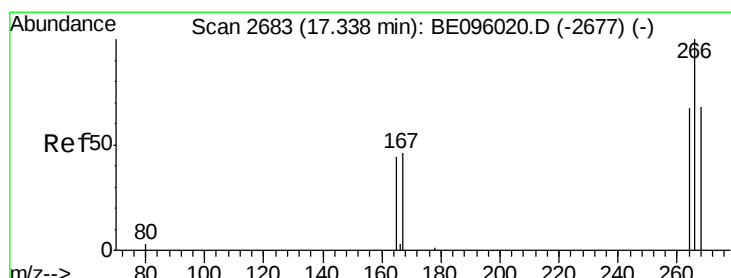
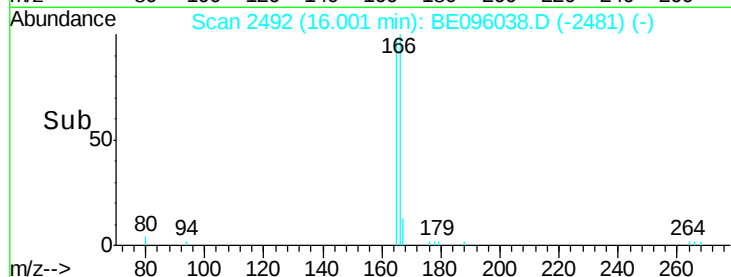
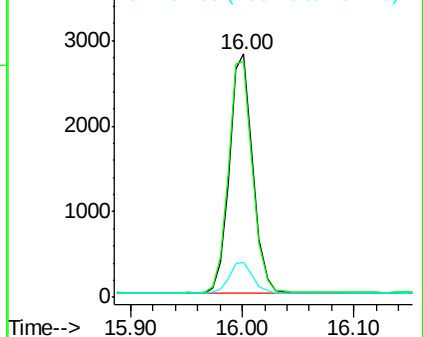
167 14.6 14.6 22.0#



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



#11

Pentachlorophenol

Concen: 0.264 ng/ul

RT: 17.34 min Scan# 2682

Delta R.T. -0.00 min

Lab File: BE096038.D

Acq: 20 Apr 2018 9:03

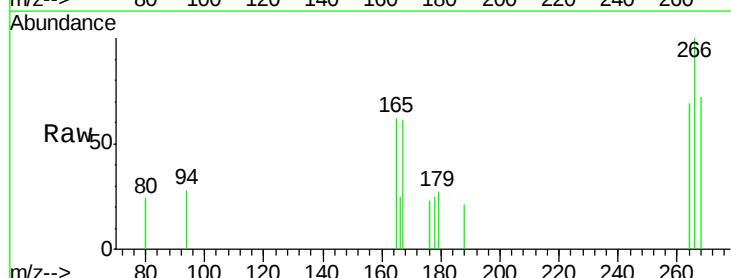
Tgt Ion:266 Resp: 364

Ion Ratio Lower Upper

266 100

264 57.7 47.9 71.9

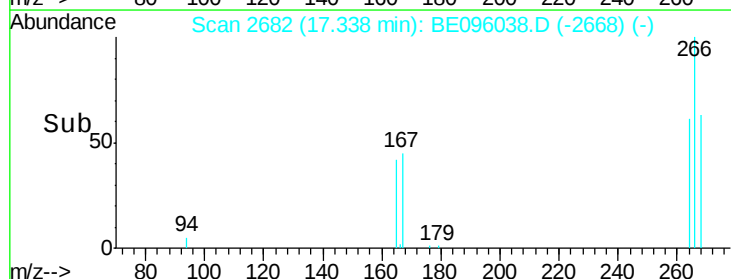
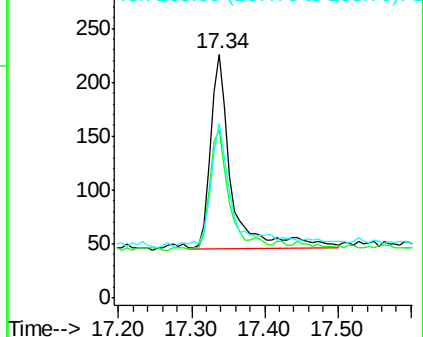
268 68.7 49.8 74.8

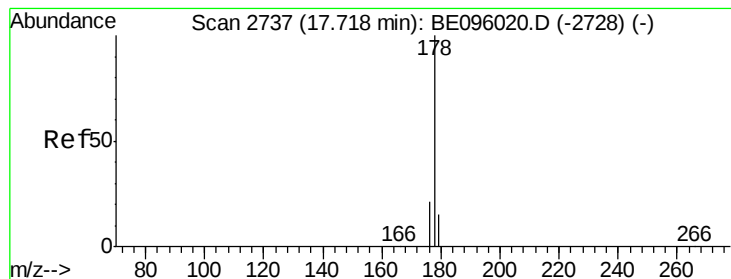


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.366 ng/ul

RT: 17.72 min Scan# 2736

Delta R.T. -0.00 min

Lab File: BE096038.D

Acq: 20 Apr 2018 9:03

Instrument :

BNA\_E

ClientSampleId :

SSTD0.443

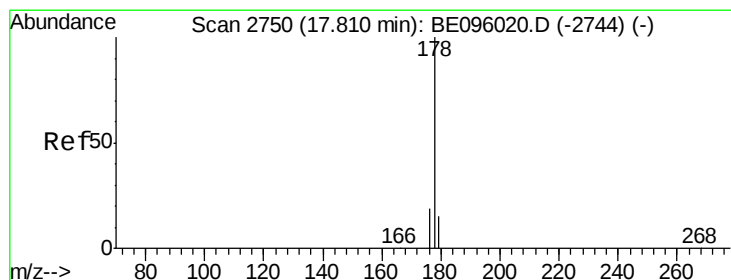
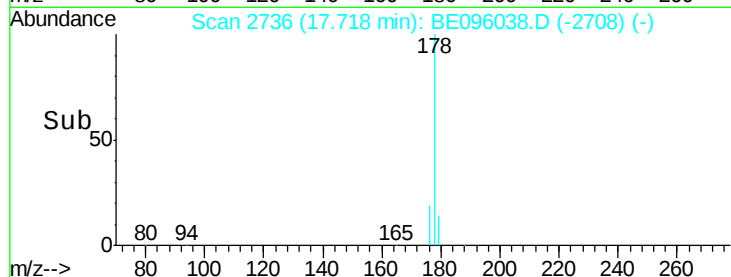
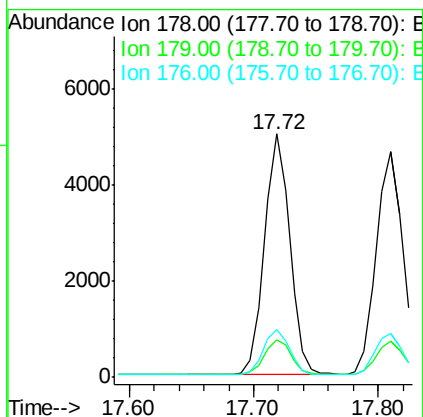
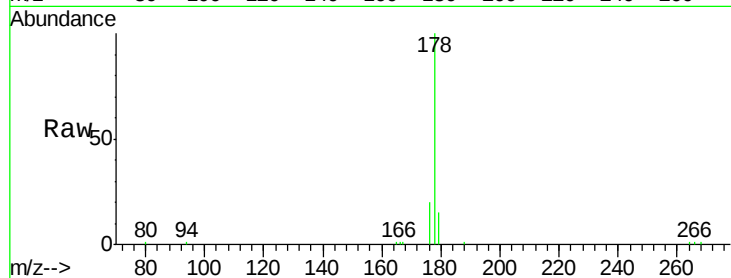
Tot Ion:178 Resp: 7015

Ion Ratio Lower Upper

178 100

179 15.5 18.4 27.6#

176 19.6 13.6 20.4



#13

Anthracene

Concen: 0.359 ng/ul

RT: 17.81 min Scan# 2749

Delta R.T. -0.00 min

Lab File: BE096038.D

Acq: 20 Apr 2018 9:03

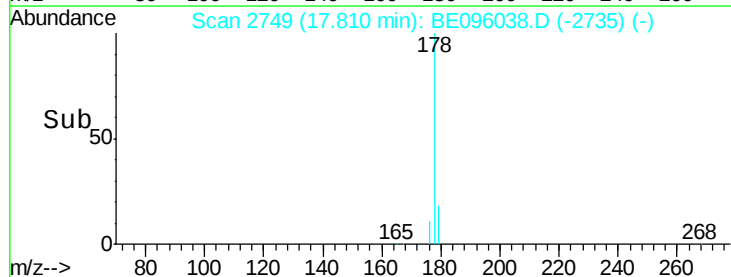
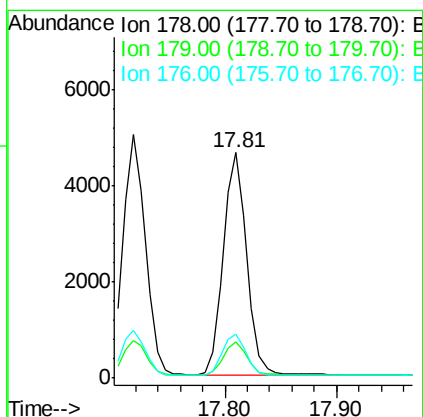
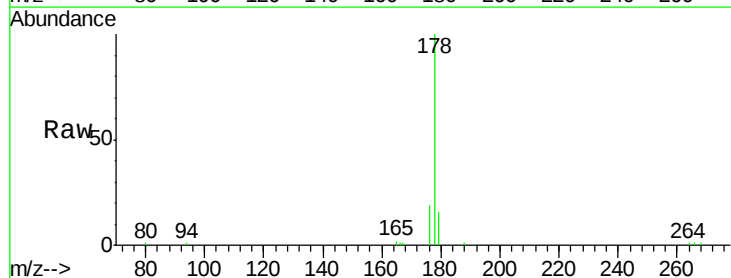
Tgt Ion:178 Resp: 6844

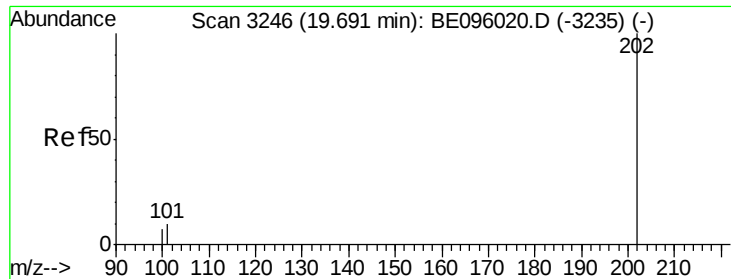
Ion Ratio Lower Upper

178 100

179 16.2 18.1 27.1#

176 19.4 14.7 22.1





#15

Fluoranthene

Concen: 0.360 ng/ul

RT: 19.69 min Scan# 3244

Delta R.T. -0.00 min

Lab File: BE096038.D

Acq: 20 Apr 2018 9:03

Instrument :

BNA\_E

ClientSampleId :

SSTD0.443

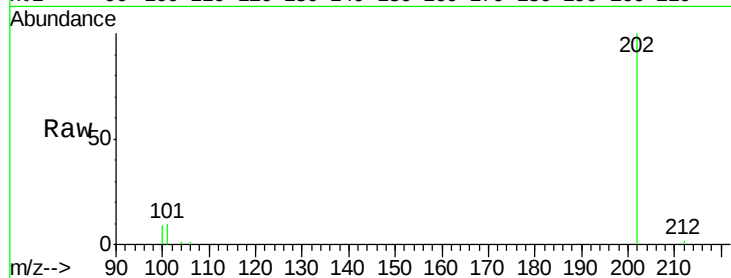
Tot Ion:202 Resp: 9391

Ion Ratio Lower Upper

202 100

101 10.4 0.0 30.3

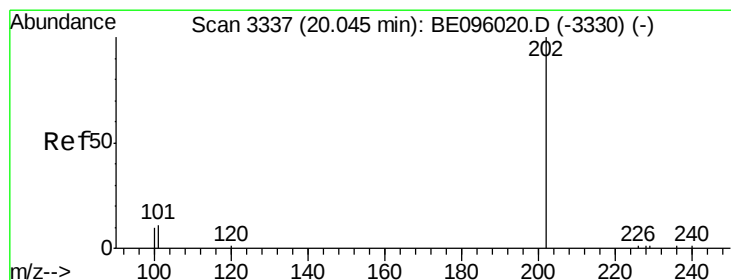
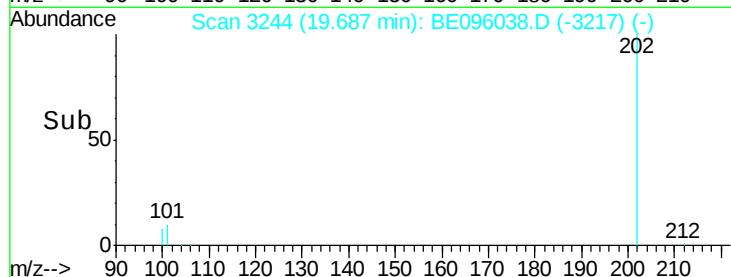
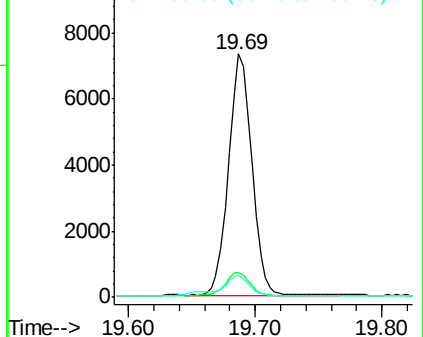
100 9.0 0.0 39.5



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: 0.353 ng/ul

RT: 20.04 min Scan# 3335

Delta R.T. -0.00 min

Lab File: BE096038.D

Acq: 20 Apr 2018 9:03

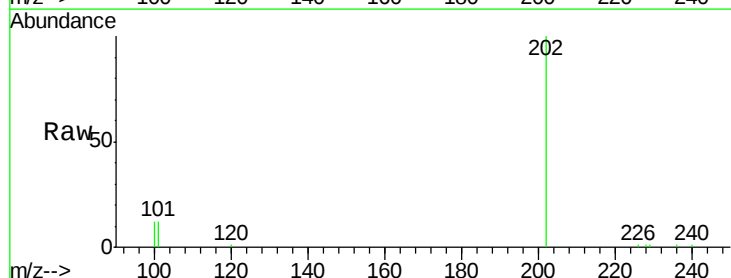
Tgt Ion:202 Resp: 10037

Ion Ratio Lower Upper

202 100

101 12.4 18.2 27.4#

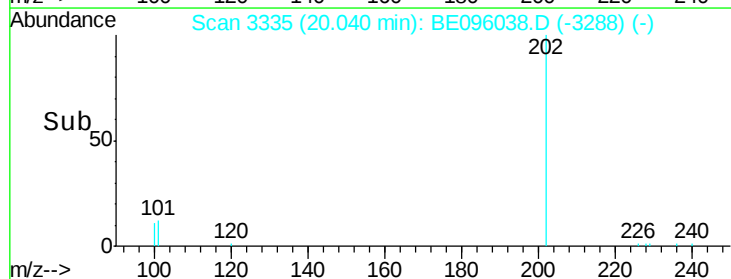
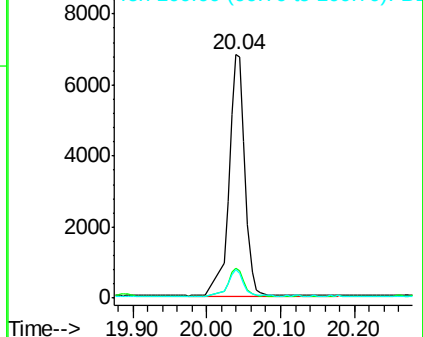
100 11.9 15.6 23.4#

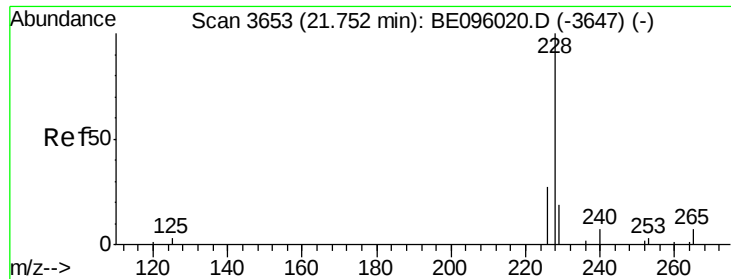


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): BE





#18

Benzo(a)anthracene

Concen: 0.356 ng/ul

RT: 21.75 min Scan# 3652

Delta R.T. 0.00 min

Lab File: BE096038.D

Acq: 20 Apr 2018 9:03

Instrument :

BNA\_E

ClientSampleId :

SSTD0.443

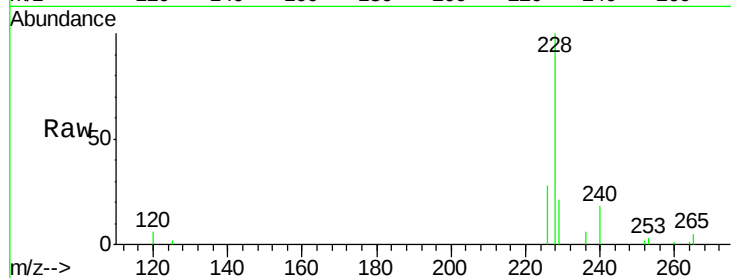
Tot Ion:228 Resp: 12034

Ion Ratio Lower Upper

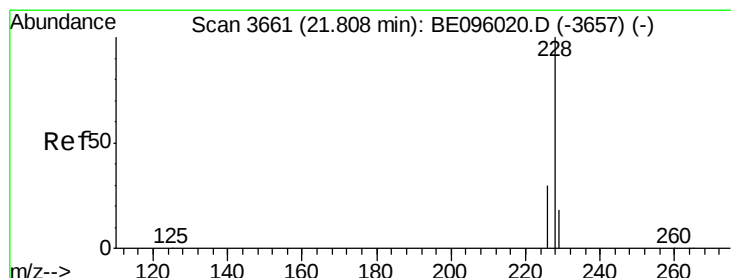
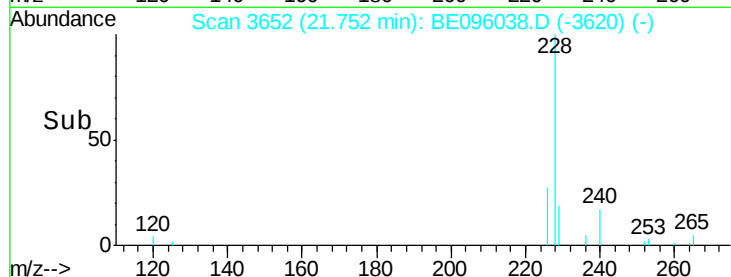
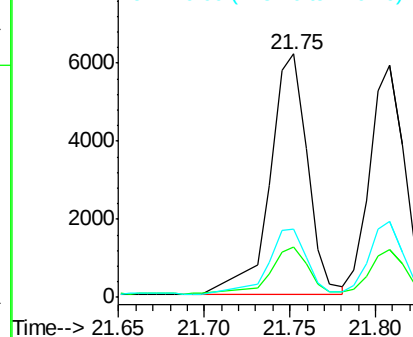
228 100

229 20.6 22.8 34.2#

226 28.2 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: 0.349 ng/ul

RT: 21.81 min Scan# 3660

Delta R.T. 0.00 min

Lab File: BE096038.D

Acq: 20 Apr 2018 9:03

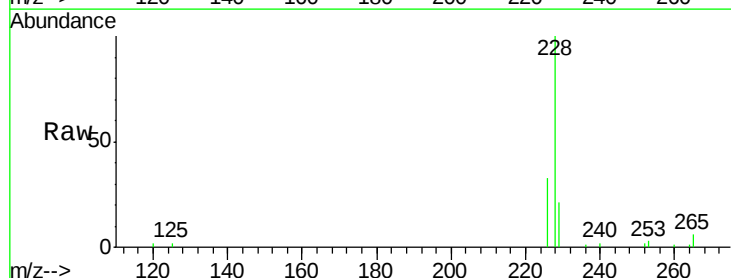
Tgt Ion:228 Resp: 8493

Ion Ratio Lower Upper

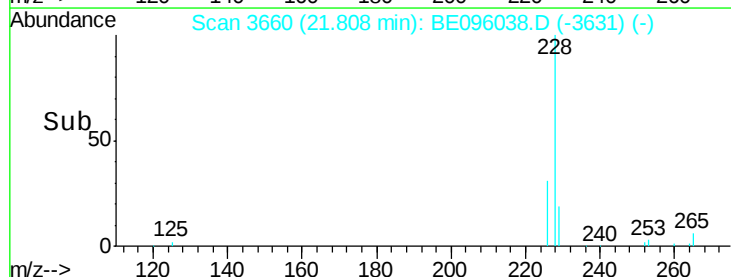
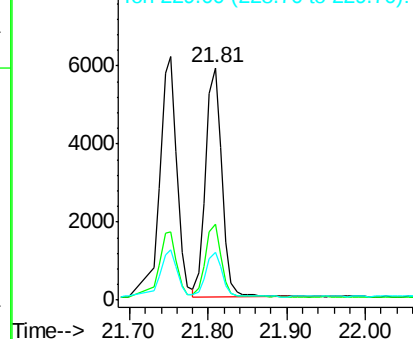
228 100

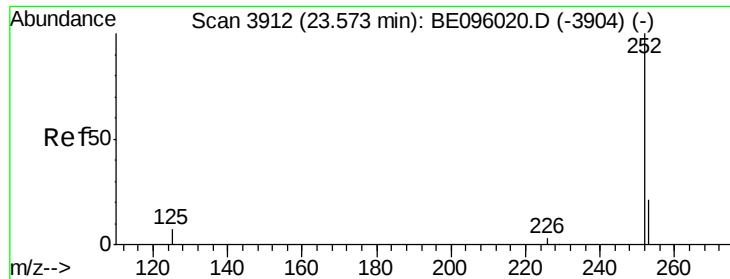
226 32.5 23.4 35.0

229 20.5 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

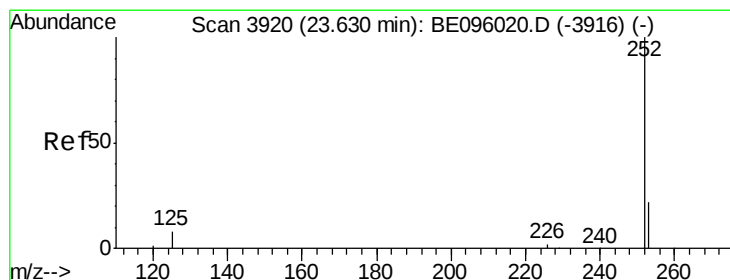
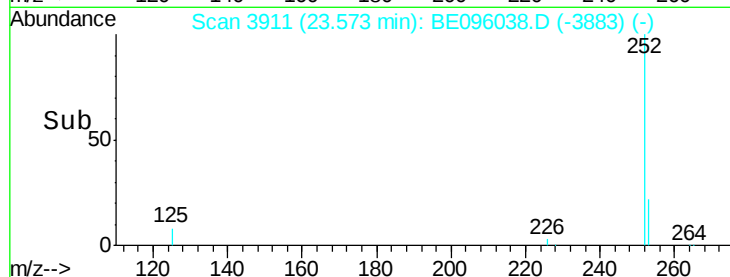
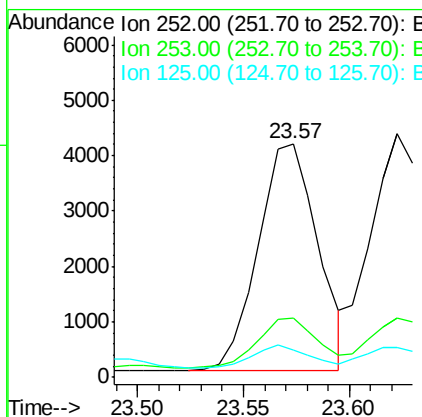
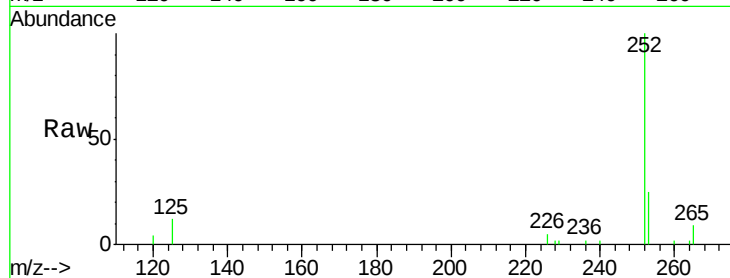




#21  
Benzo(b)fluoranthene  
Concen: 0.363 ng/ul  
RT: 23.57 min Scan# 3911  
Delta R.T. 0.00 min  
Lab File: BE096038.D  
Acq: 20 Apr 2018 9:03

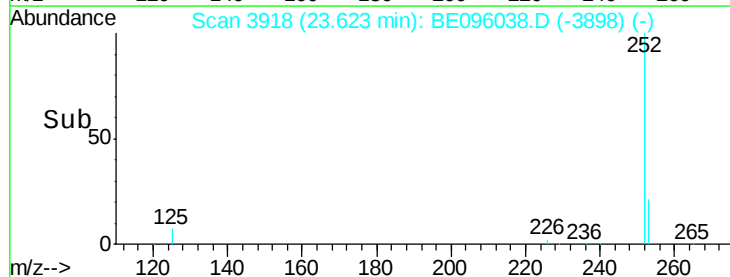
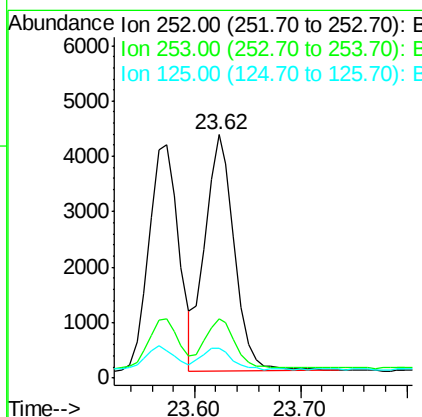
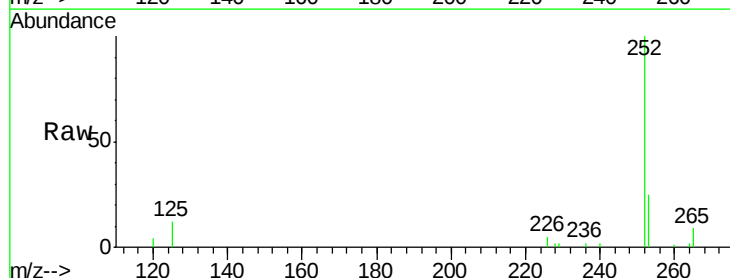
Instrument :  
BNA\_E  
ClientSampleId :  
SSTD0.443

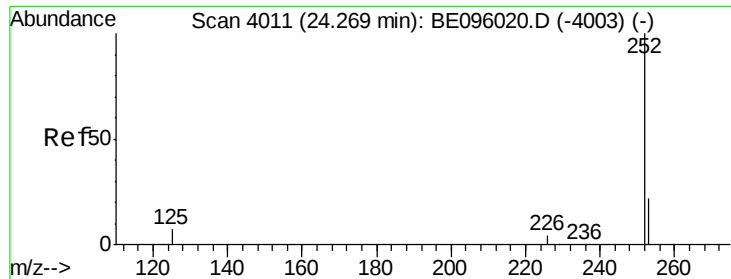
Tot Ion:252 Resp: 8039  
Ion Ratio Lower Upper  
252 100  
253 25.4 0.0 64.2  
125 11.7 0.0 35.0



#22  
Benzo(k)fluoranthene  
Concen: 0.370 ng/ul  
RT: 23.62 min Scan# 3918  
Delta R.T. -0.01 min  
Lab File: BE096038.D  
Acq: 20 Apr 2018 9:03

Tgt Ion:252 Resp: 8149  
Ion Ratio Lower Upper  
252 100  
253 24.6 24.5 36.7  
125 12.2 13.7 20.5#





#23

Benzo(a)pyrene

Concen: 0.361 ng/ul

RT: 24.26 min Scan# 4009

Delta R.T. -0.01 min

Lab File: BE096038.D

Acq: 20 Apr 2018 9:03

Instrument :

BNA\_E

ClientSampleId :

SSTD0.443

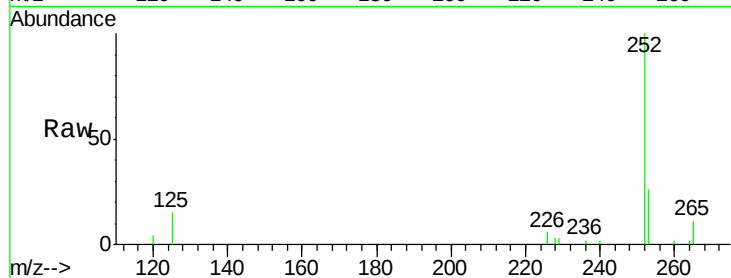
Tot Ion:252 Resp: 7700

Ion Ratio Lower Upper

252 100

253 26.2 28.5 42.7#

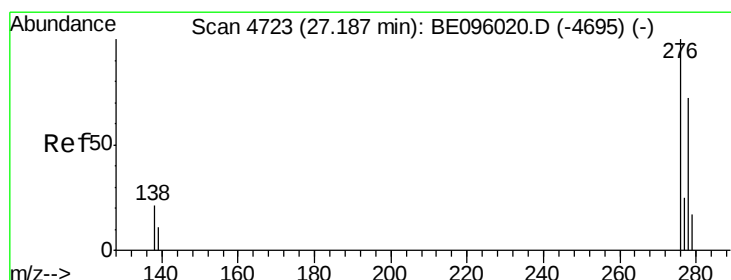
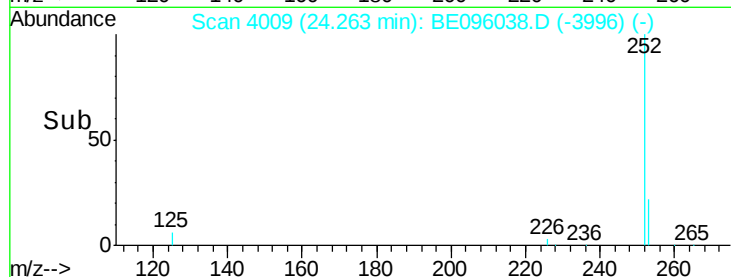
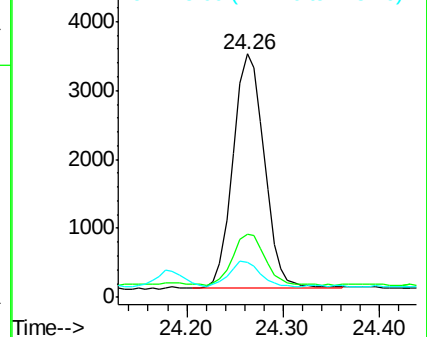
125 14.6 18.1 27.1#



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: 0.360 ng/ul

RT: 27.18 min Scan# 4719

Delta R.T. -0.01 min

Lab File: BE096038.D

Acq: 20 Apr 2018 9:03

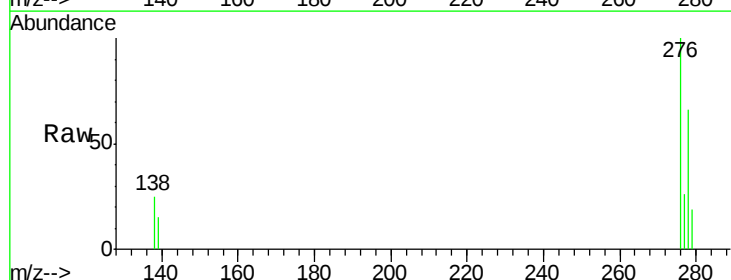
Tgt Ion:276 Resp: 8545

Ion Ratio Lower Upper

276 100

138 22.1 28.0 42.0#

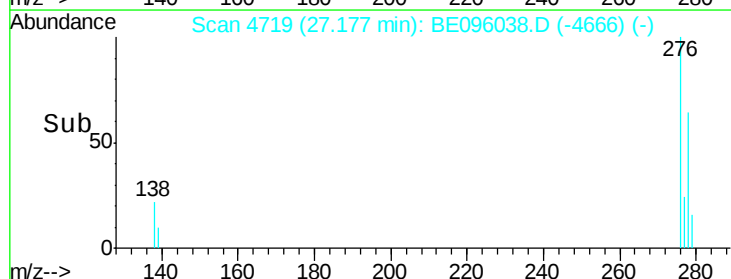
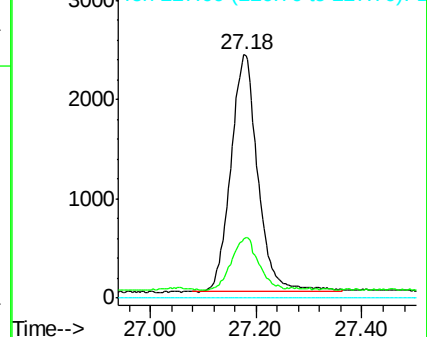
227 0.0 8.0 12.0#

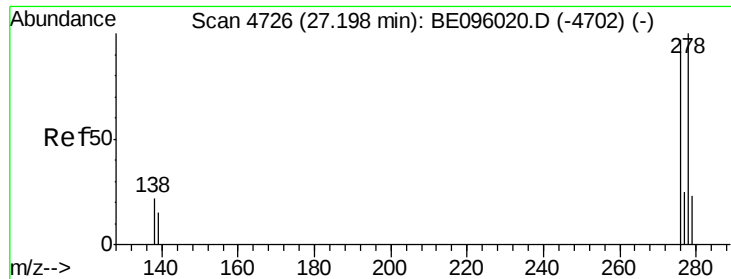


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

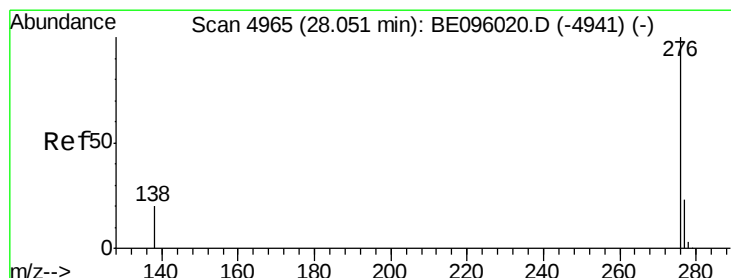
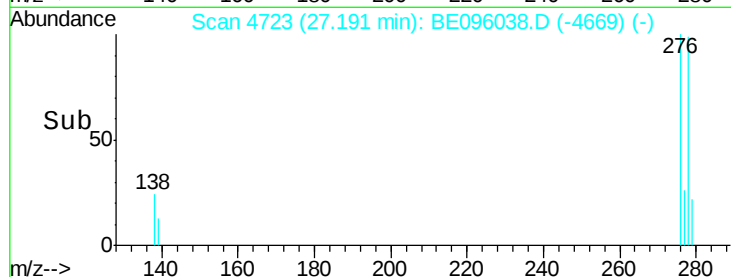
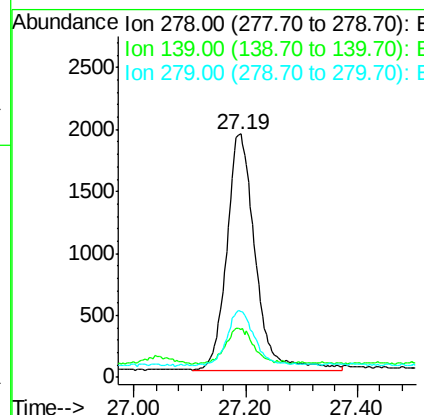
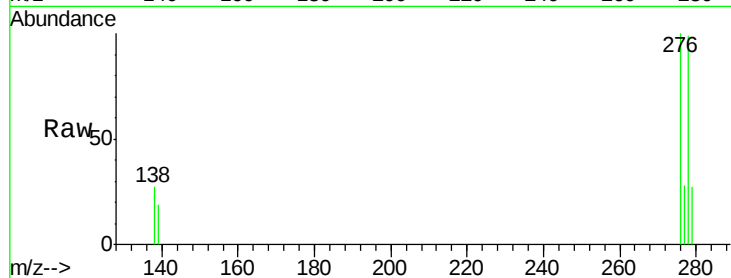




#25  
Dibenzo(a,h)anthracene  
Concen: 0.354 ng/ul  
RT: 27.19 min Scan# 4723  
Delta R.T. -0.01 min  
Lab File: BE096038.D  
Acq: 20 Apr 2018 9:03

Instrument :  
BNA\_E  
ClientSampleId :  
SSTD0.443

Tot Ion:278 Resp: 6754  
Ion Ratio Lower Upper  
278 100  
139 19.5 17.4 26.0  
279 27.0 25.9 38.9



#26  
Benzo(g,h,i)perylene  
Concen: 0.370 ng/ul  
RT: 28.04 min Scan# 4961  
Delta R.T. -0.01 min  
Lab File: BE096038.D  
Acq: 20 Apr 2018 9:03

Tgt Ion:276 Resp: 7330  
Ion Ratio Lower Upper  
276 100  
138 22.4 21.8 32.8  
277 26.7 20.5 30.7

