

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101417\  
 Data File : BE094360.D  
 Acq On : 14 Oct 2017 18:08  
 Operator : SJ/JU  
 Sample : I5611-01 5X  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Oct 15 01:08:46 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Oct 14 05:22:31 2017  
 Response via : Initial Calibration

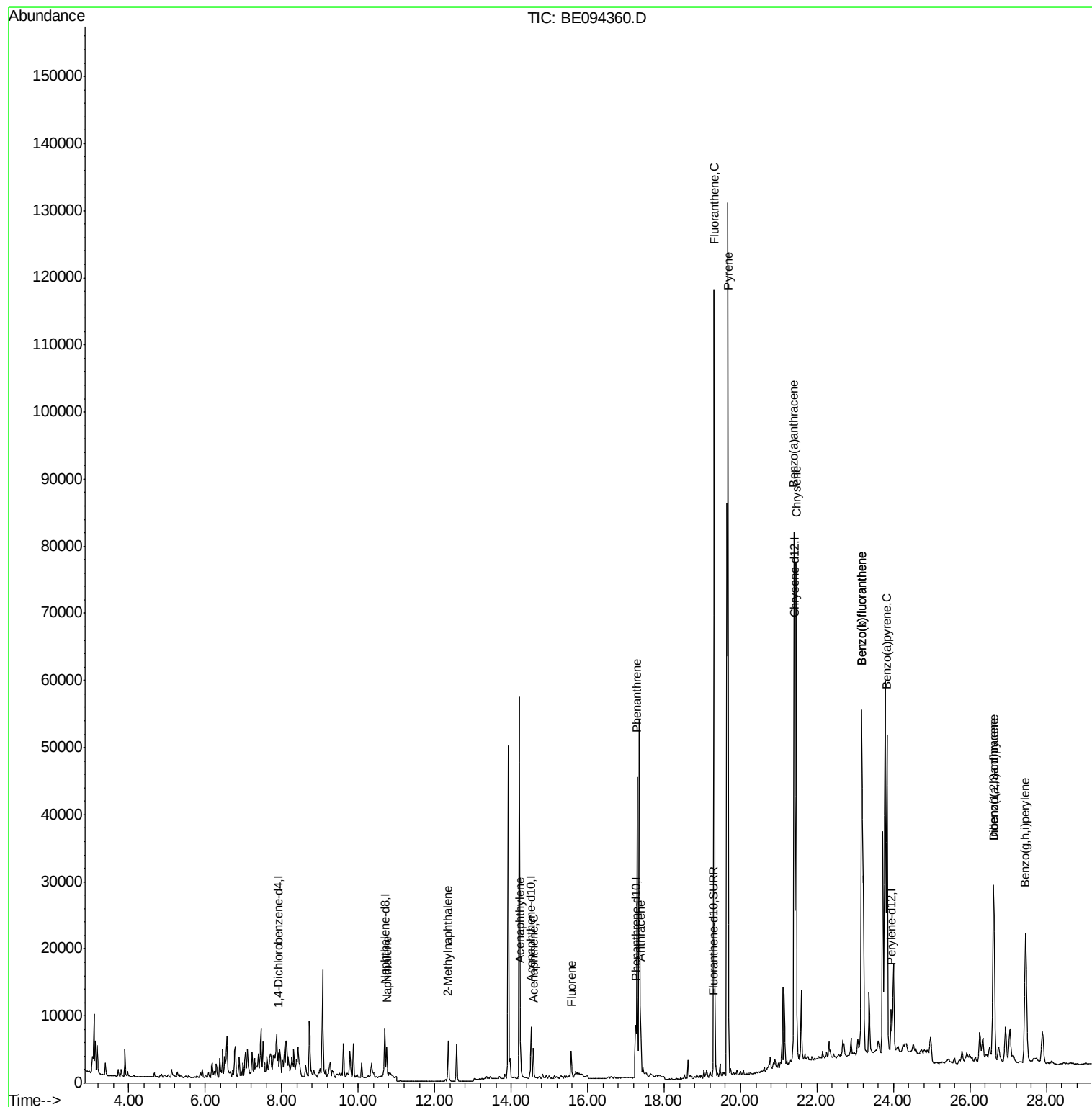
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.91  | 152  | 1454     | 0.40  | ng/ul  | -0.01    |
| 2) Naphthalene-d8           | 10.70 | 136  | 7830     | 0.40  | ng/ul  | -0.01    |
| 6) Acenaphthene-d10         | 14.52 | 164  | 4575     | 0.40  | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.26 | 188  | 10122    | 0.40  | ng/ul  | -0.02    |
| 16) Chrysene-d12            | 21.42 | 240  | 9989     | 0.40  | ng/ul  | -0.02    |
| 20) Perylene-d12            | 23.94 | 264  | 9253     | 0.40  | ng/ul  | -0.03    |
| System Monitoring Compounds |       |      |          |       |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.10 | 152  | 29       | 0.00  | ng/ul  | -0.19    |
| 14) Fluoranthene-d10        | 19.28 | 212  | 1160     | 0.03  | ng/ul  | -0.02    |
| Target Compounds            |       |      |          |       | Ovalue |          |
| 3) Naphthalene              | 10.74 | 128  | 6998     | 0.365 | ng/ul# | 89       |
| 5) 2-Methylnaphthalene      | 12.35 | 142  | 5698     | 0.458 | ng/ul  | 97       |
| 7) Acenaphthylene           | 14.24 | 152  | 4971     | 0.279 | ng/ul  | 97       |
| 8) Acenaphthene             | 14.58 | 153  | 2785     | 0.190 | ng/ul  | 98       |
| 9) Fluorene                 | 15.57 | 166  | 2766     | 0.161 | ng/ul  | 93       |
| 12) Phenanthrene            | 17.29 | 178  | 48979    | 1.852 | ng/ul# | 88       |
| 13) Anthracene              | 17.38 | 178  | 11071    | 0.430 | ng/ul# | 89       |
| 15) Fluoranthene            | 19.31 | 202  | 130135   | 3.744 | ng/ul  | 84       |
| 17) Pyrene                  | 19.67 | 202  | 138512   | 4.984 | ng/ul# | 84       |
| 18) Benzo(a)anthracene      | 21.40 | 228  | 73443    | 2.771 | ng/ul# | 86       |
| 19) Chrysene                | 21.46 | 228  | 80831    | 2.641 | ng/ul  | 99       |
| 21) Benzo(b)fluoranthene    | 23.17 | 252  | 127539   | 5.074 | ng/ul  | 88       |
| 22) Benzo(k)fluoranthene    | 23.17 | 252  | 127519   | 4.389 | ng/ul# | 90       |
| 23) Benzo(a)pyrene          | 23.83 | 252  | 75219    | 2.880 | ng/ul# | 83       |
| 24) Indeno(1,2,3-cd)pyrene  | 26.62 | 276  | 47009    | 1.759 | ng/ul# | 79       |
| 25) Dibenzo(a,h)anthracene  | 26.62 | 278  | 11665    | 0.520 | ng/ul# | 84       |
| 26) Benzo(a,h,i)perylene    | 27.45 | 276  | 48570    | 2.107 | ng/ul  | 98       |

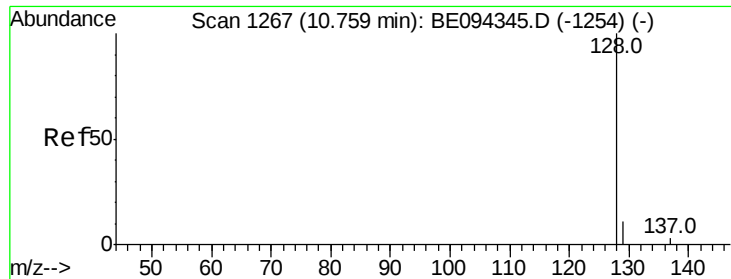
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Oct 14 05:22:31 2017  
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.365 ng/ul

RT: 10.74 min Scan# 1264

Delta R.T. -0.02 min

Lab File: BE094360.D

Acq: 14 Oct 2017 18:08

Instrument :

BNA\_E

ClientSampled :

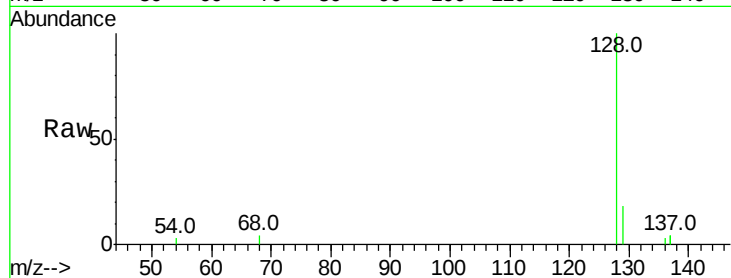
Tot Ion:128 Resp: 6998

Ion Ratio Lower Upper

128 100

129 18.2 11.3 16.9#

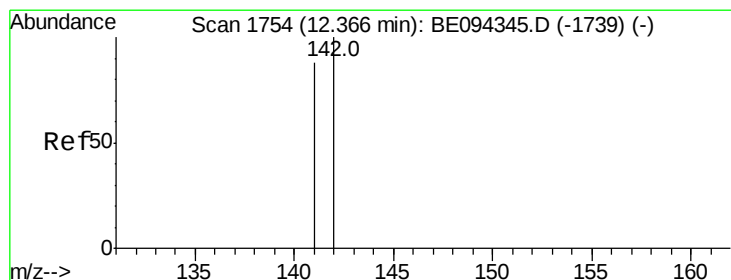
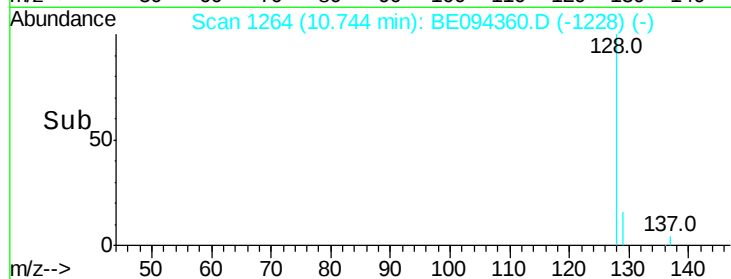
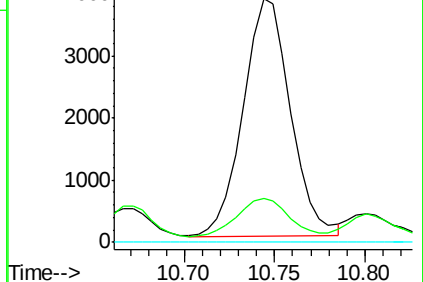
127 0.0 4.0 6.0#



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: 0.458 ng/ul

RT: 12.35 min Scan# 1750

Delta R.T. -0.01 min

Lab File: BE094360.D

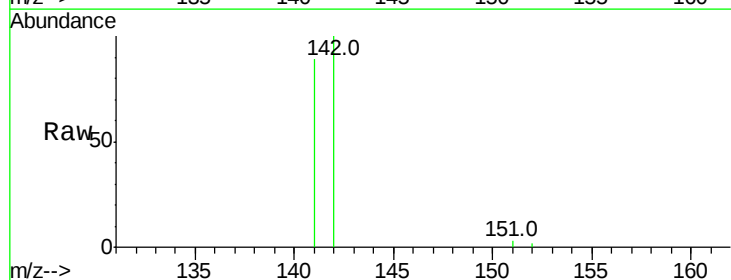
Acq: 14 Oct 2017 18:08

Tgt Ion:142 Resp: 5698

Ion Ratio Lower Upper

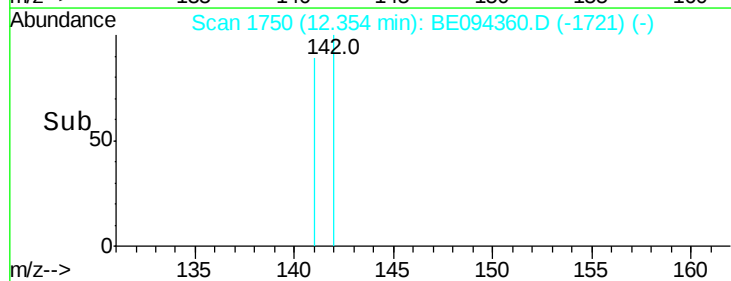
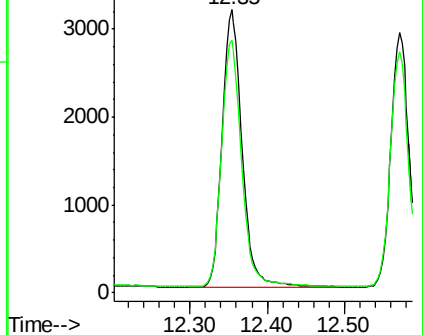
142 100

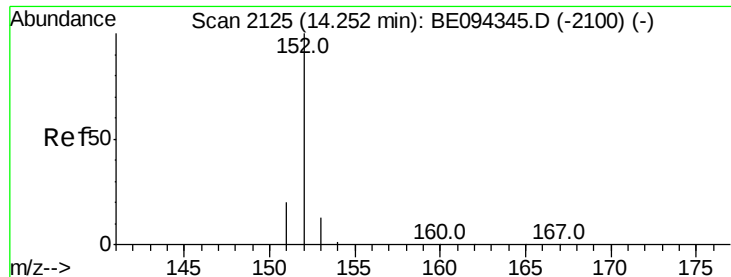
141 88.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.279 ng/ul

RT: 14.24 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BE094360.D

Acq: 14 Oct 2017 18:08

Instrument :

BNA\_E

ClientSampleId :

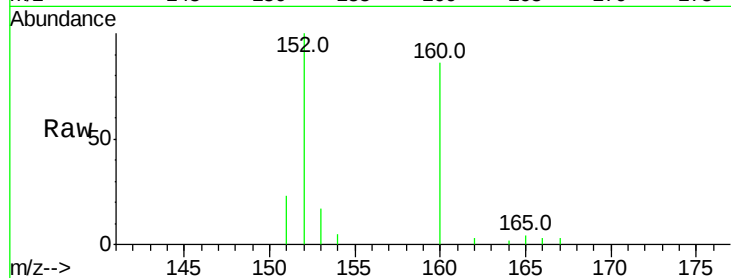
Tot Ion:152 Resp: 4971

Ion Ratio Lower Upper

152 100

151 22.9 17.1 25.7

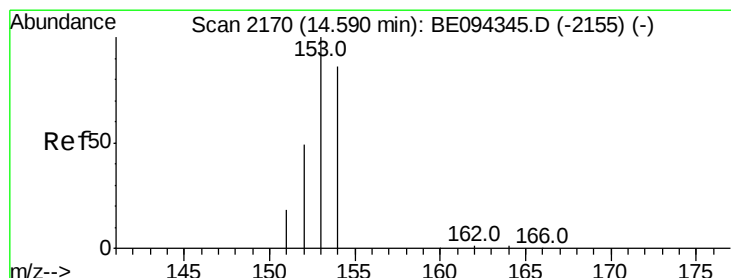
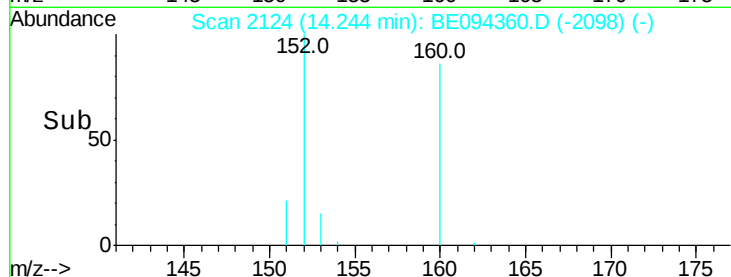
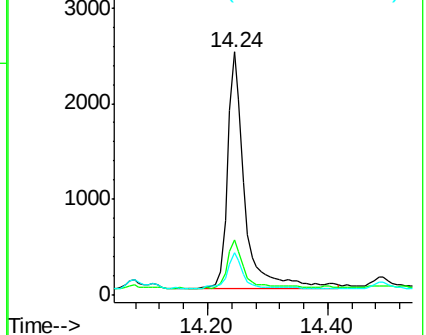
153 17.4 12.8 19.2



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: 0.190 ng/ul

RT: 14.58 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BE094360.D

Acq: 14 Oct 2017 18:08

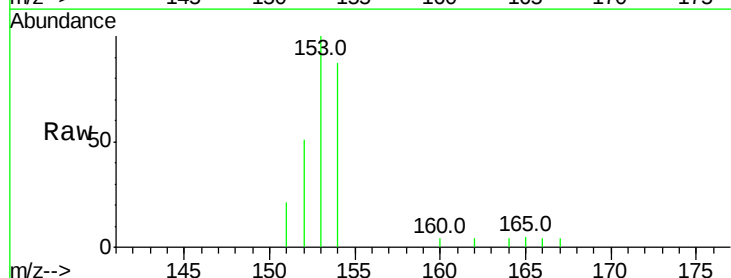
Tgt Ion:153 Resp: 2785

Ion Ratio Lower Upper

153 100

152 51.0 40.3 60.5

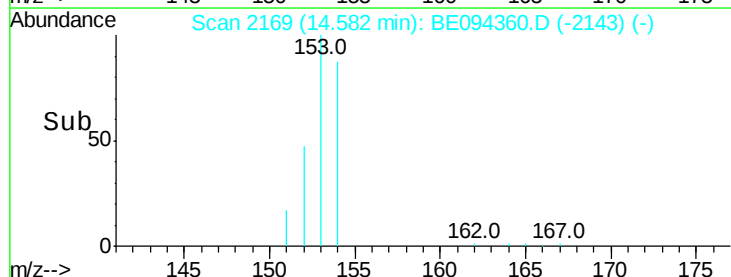
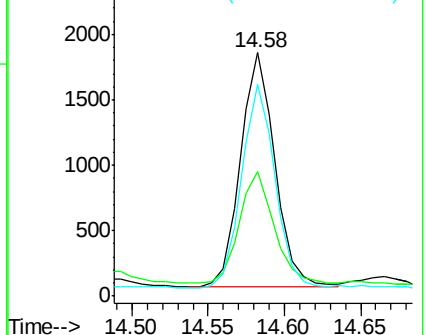
154 87.0 71.4 107.2

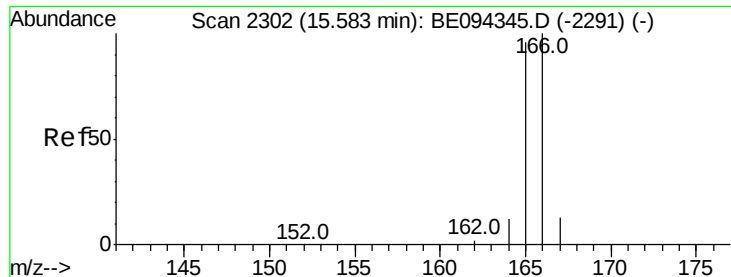


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

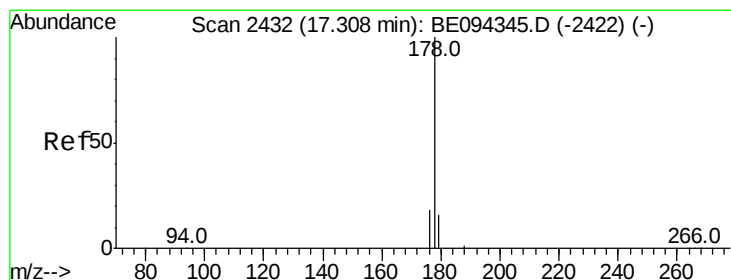
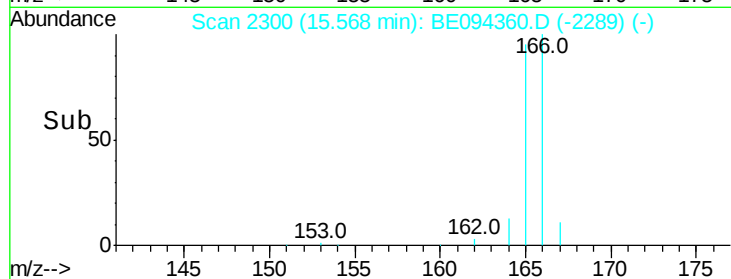
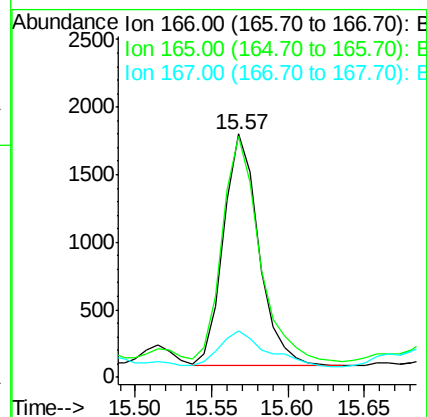
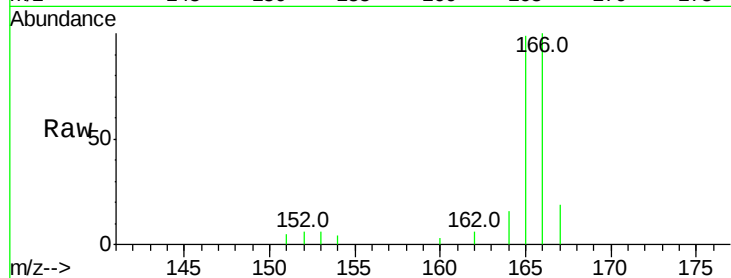




#9  
Fluorene  
Concen: 0.161 ng/ul  
RT: 15.57 min Scan# 2300  
Delta R.T. -0.02 min  
Lab File: BE094360.D  
Acq: 14 Oct 2017 18:08

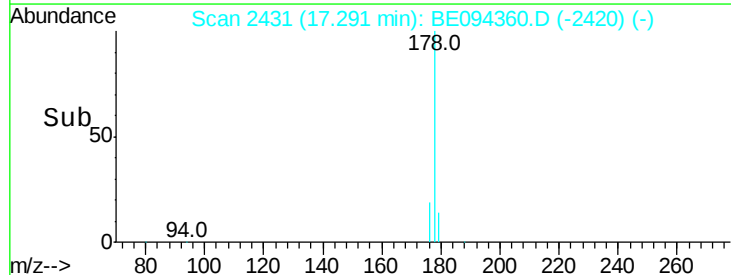
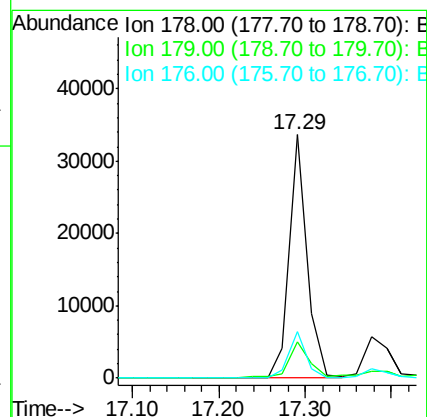
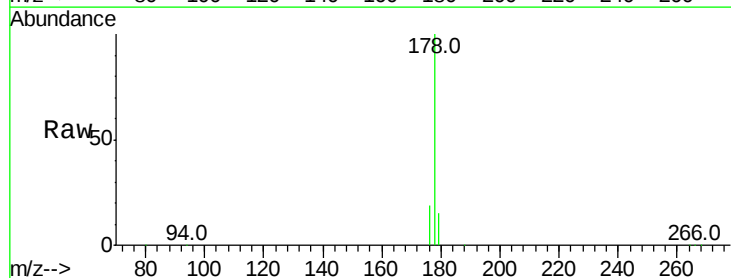
Instrument :  
BNA\_E  
ClientSampleId :

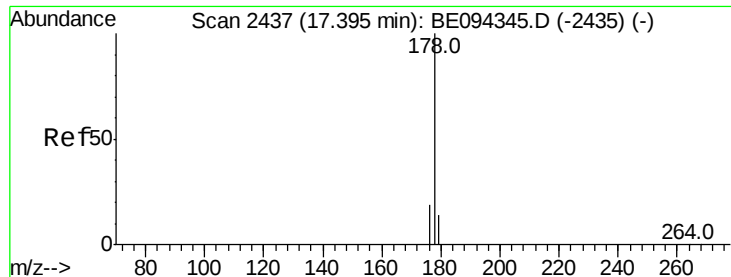
Tot Ion:166 Resp: 2766  
Ion Ratio Lower Upper  
166 100  
165 99.3 73.4 110.2  
167 19.1 14.6 22.0



#12  
Phenanthrene  
Concen: 1.852 ng/ul  
RT: 17.29 min Scan# 2431  
Delta R.T. -0.02 min  
Lab File: BE094360.D  
Acq: 14 Oct 2017 18:08

Tgt Ion:178 Resp: 48979  
Ion Ratio Lower Upper  
178 100  
179 14.8 18.4 27.6#  
176 19.1 13.6 20.4





#13

Anthracene

Concen: 0.430 ng/ul

RT: 17.38 min Scan# 2436

Delta R.T. -0.02 min

Lab File: BE094360.D

Acq: 14 Oct 2017 18:08

Instrument :

BNA\_E

ClientSampleId :

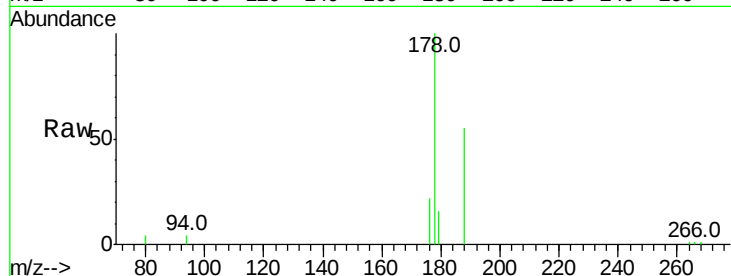
Tot Ion:178 Resp: 11071

Ion Ratio Lower Upper

178 100

179 15.8 18.1 27.1#

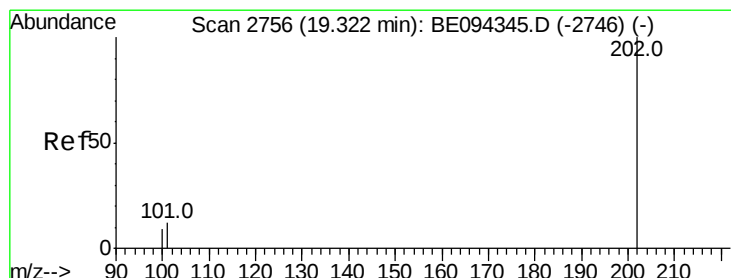
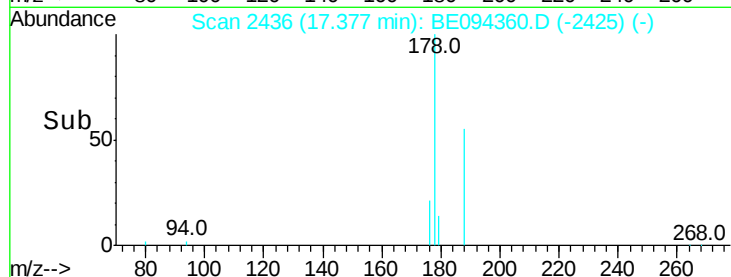
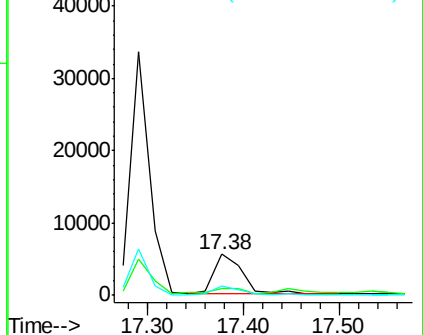
176 22.0 14.7 22.1



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



#15

Fluoranthene

Concen: 3.744 ng/ul

RT: 19.31 min Scan# 2753

Delta R.T. -0.01 min

Lab File: BE094360.D

Acq: 14 Oct 2017 18:08

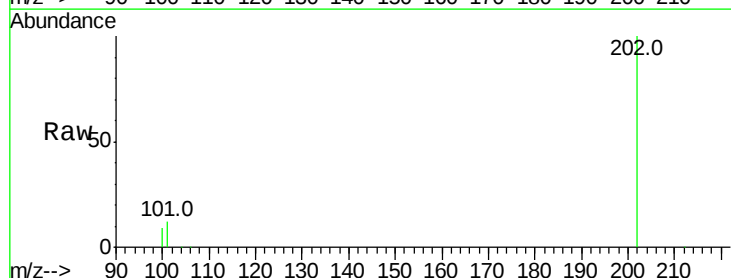
Tgt Ion:202 Resp: 130135

Ion Ratio Lower Upper

202 100

101 12.0 0.0 30.3

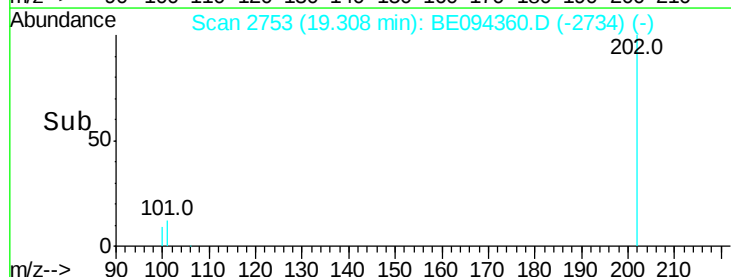
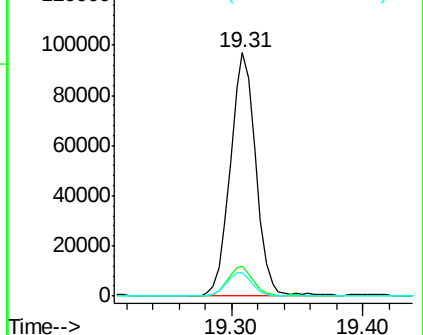
100 9.5 0.0 39.5

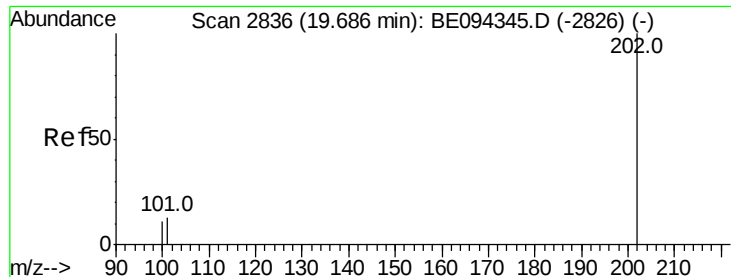


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#17

Pvrene

Concen: 4.984 ng/ul

RT: 19.67 min Scan# 2832

Delta R.T. -0.02 min

Lab File: BE094360.D

Acq: 14 Oct 2017 18:08

Instrument :

BNA\_E

ClientSampleId :

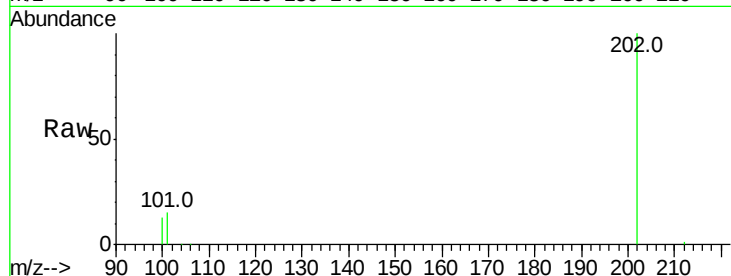
Tot Ion:202 Resp: 138512

Ion Ratio Lower Upper

202 100

101 14.8 18.2 27.4#

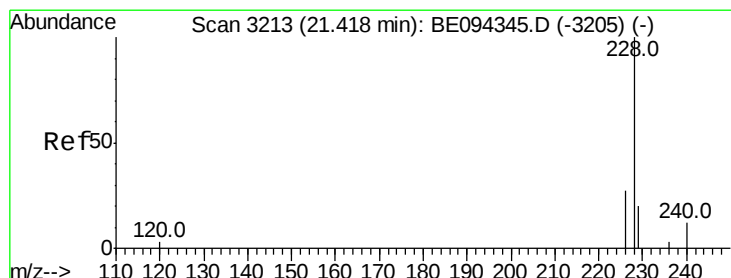
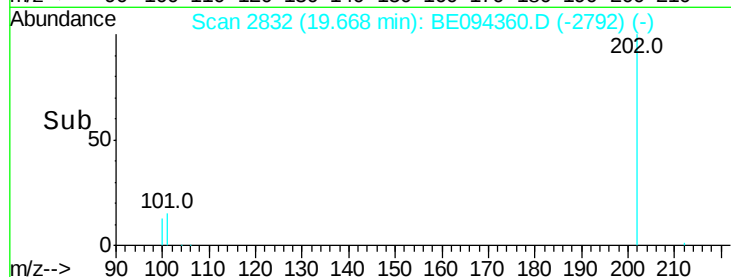
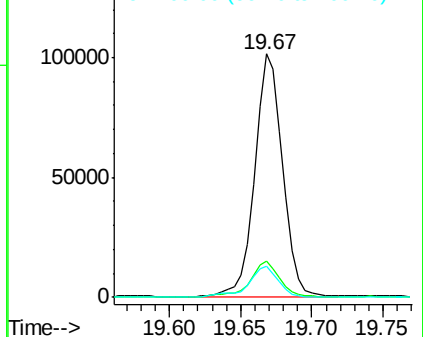
100 12.6 15.6 23.4#



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): E



#18

Benzo(a)anthracene

Concen: 2.771 ng/ul

RT: 21.40 min Scan# 3209

Delta R.T. -0.02 min

Lab File: BE094360.D

Acq: 14 Oct 2017 18:08

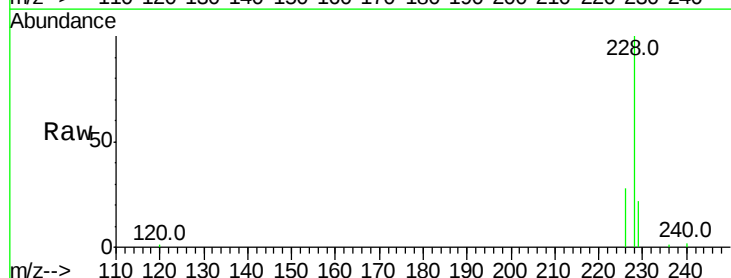
Tgt Ion:228 Resp: 73443

Ion Ratio Lower Upper

228 100

229 21.5 22.8 34.2#

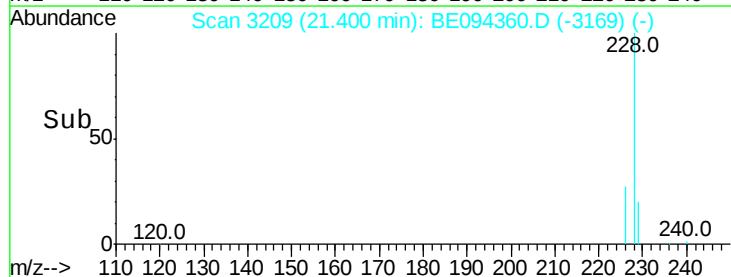
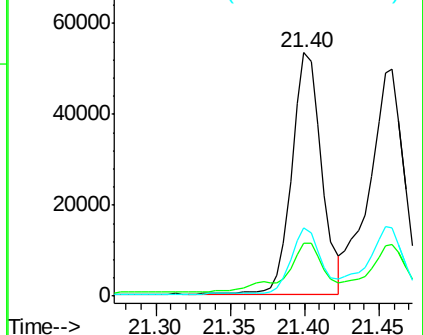
226 27.9 17.0 25.6#

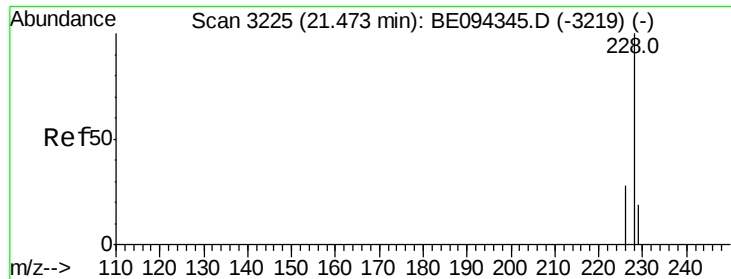


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 2.641 ng/ul

RT: 21.46 min Scan# 3222

Delta R.T. -0.01 min

Lab File: BE094360.D

Acq: 14 Oct 2017 18:08

Instrument :

BNA\_E

ClientSampleId :

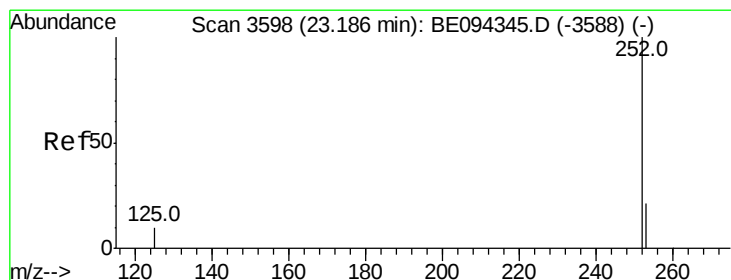
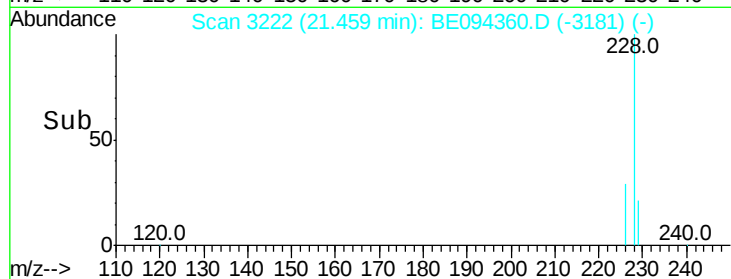
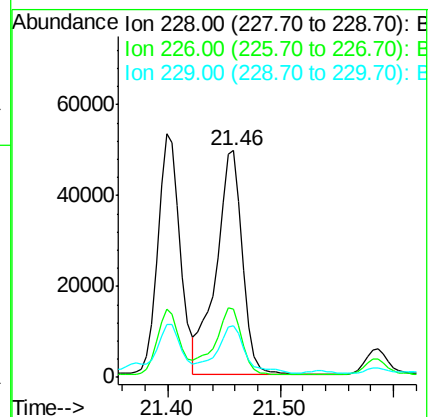
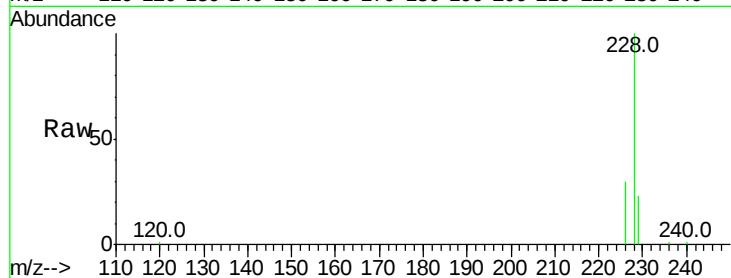
Tot Ion:228 Resp: 80831

Ion Ratio Lower Upper

228 100

226 30.0 23.4 35.0

229 22.7 17.7 26.5



#21

Benzo(b)fluoranthene

Concen: 5.074 ng/ul

RT: 23.17 min Scan# 3594

Delta R.T. -0.02 min

Lab File: BE094360.D

Acq: 14 Oct 2017 18:08

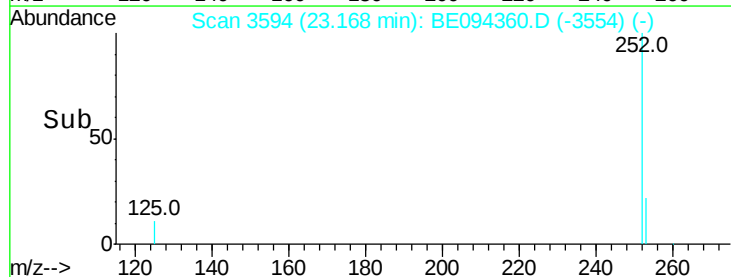
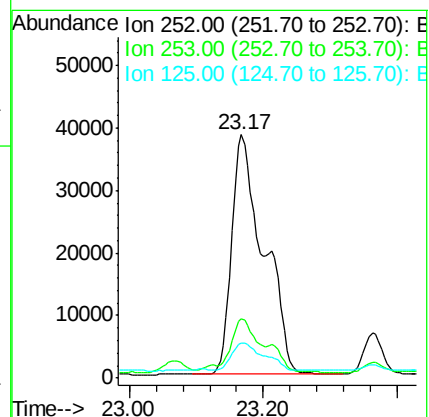
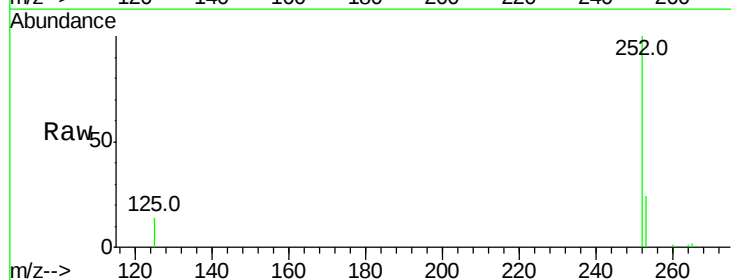
Tgt Ion:252 Resp: 127539

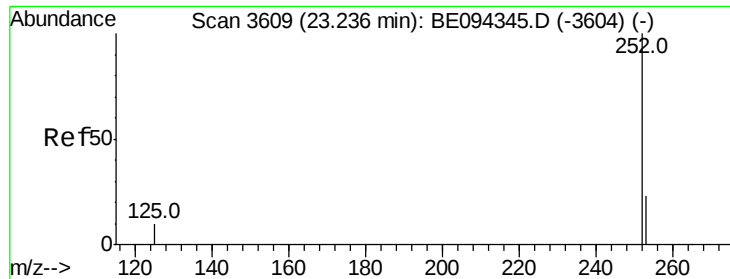
Ion Ratio Lower Upper

252 100

253 24.2 0.0 64.2

125 14.1 0.0 35.0





#22

Benzo(k)fluoranthene

Concen: 4.389 ng/ul

RT: 23.17 min Scan# 3594

Delta R.T. -0.07 min

Lab File: BE094360.D

Acq: 14 Oct 2017 18:08

Instrument :

BNA\_E

ClientSampleId :

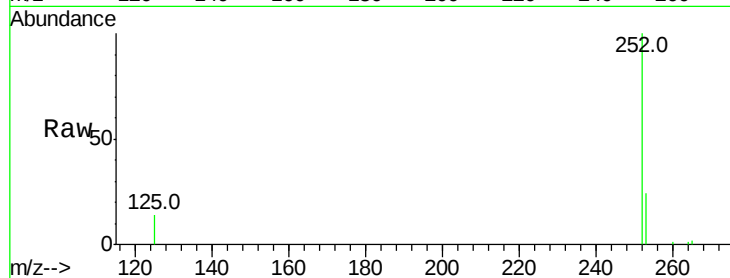
Tot Ion:252 Resp: 127519

Ion Ratio Lower Upper

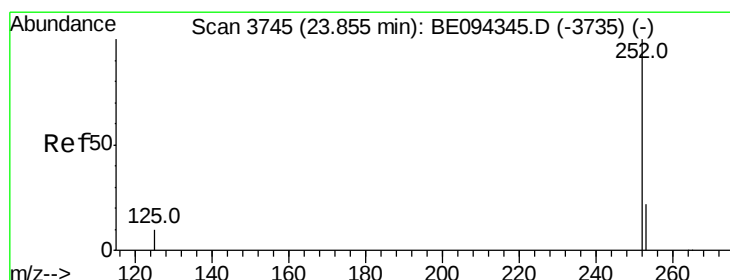
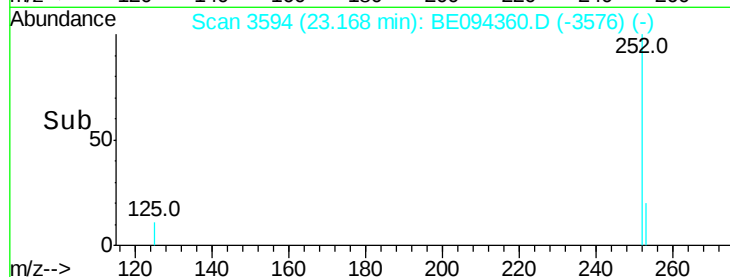
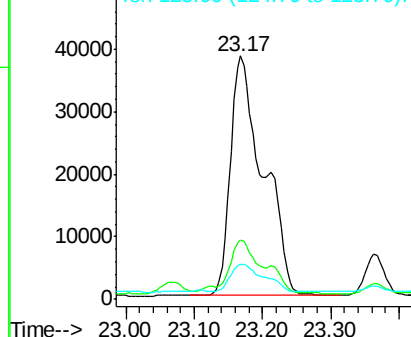
252 100

253 24.2 24.5 36.7#

125 14.1 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: 2.880 ng/ul

RT: 23.83 min Scan# 3739

Delta R.T. -0.03 min

Lab File: BE094360.D

Acq: 14 Oct 2017 18:08

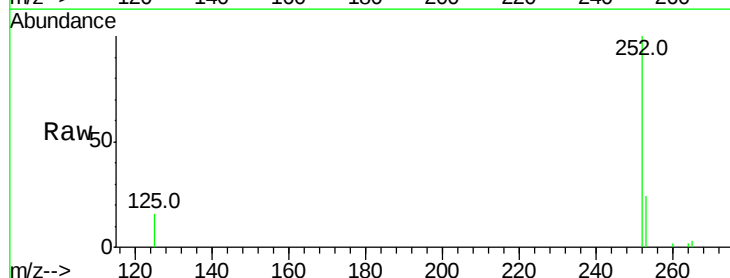
Tgt Ion:252 Resp: 75219

Ion Ratio Lower Upper

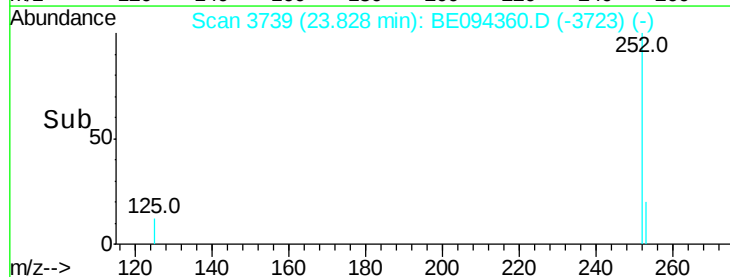
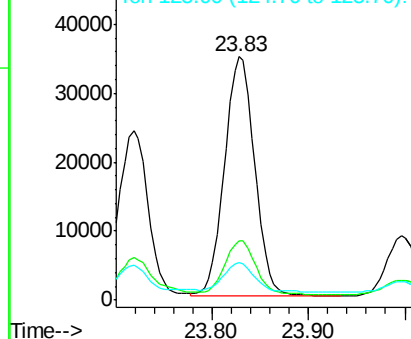
252 100

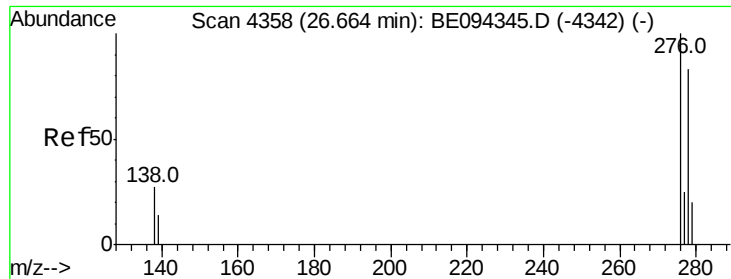
253 24.5 28.5 42.7#

125 15.7 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



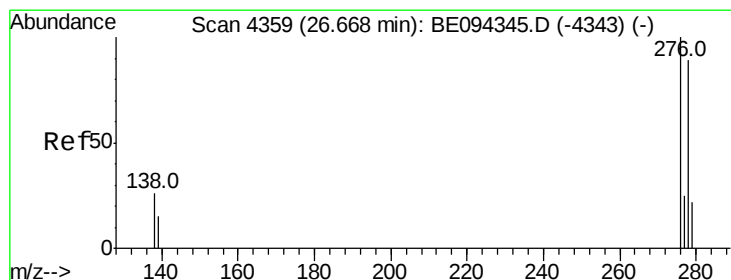
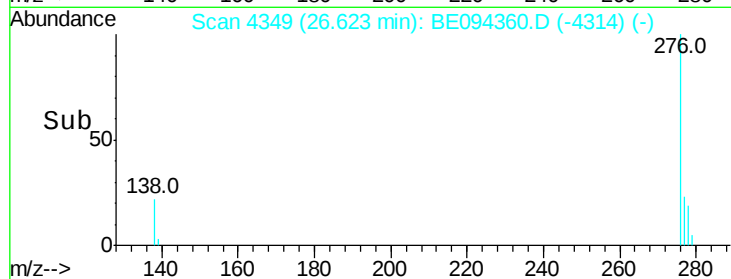
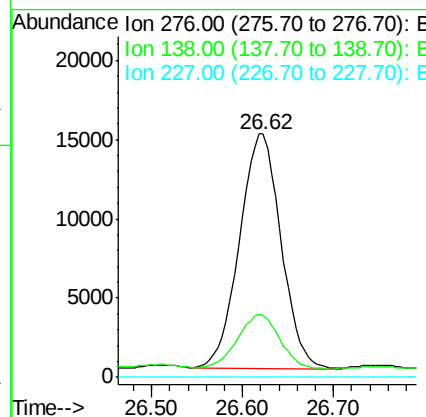
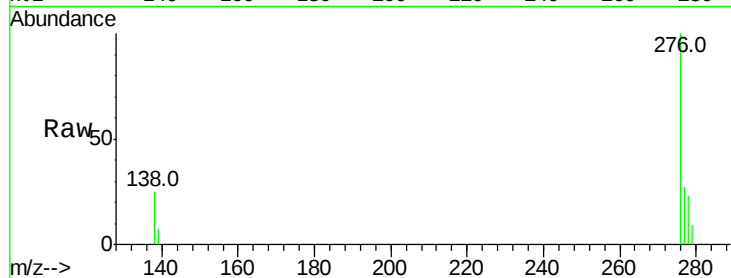


#24

Indeno(1,2,3-cd)pyrene  
Concen: 1.759 ng/ul  
RT: 26.62 min Scan# 4349  
Delta R.T. -0.04 min  
Lab File: BE094360.D  
Acq: 14 Oct 2017 18:08

Instrument :  
BNA\_E  
ClientSampleId :

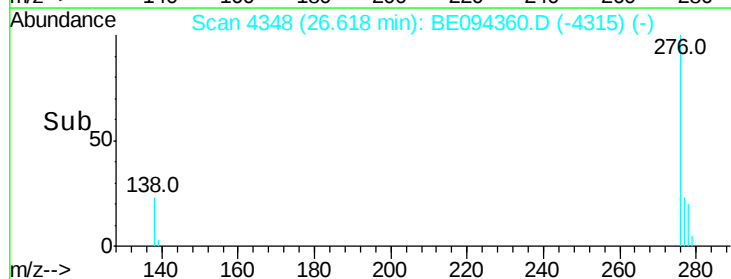
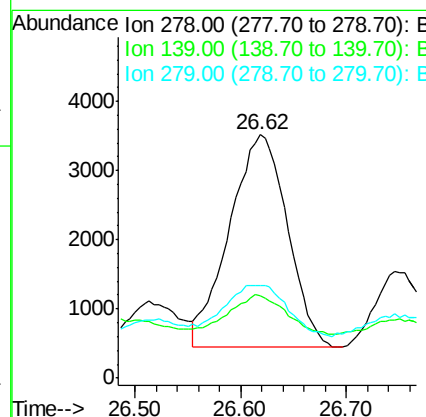
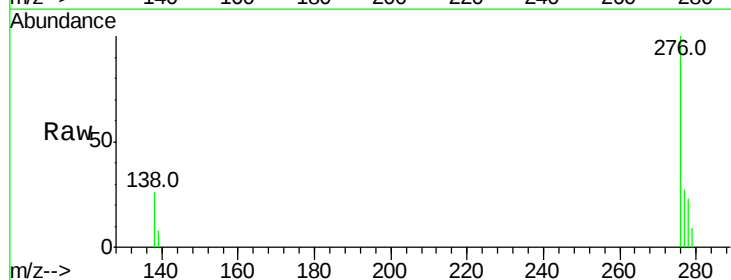
Tot Ion:276 Resp: 47009  
Ion Ratio Lower Upper  
276 100  
138 23.6 28.0 42.0#  
227 0.0 8.0 12.0#

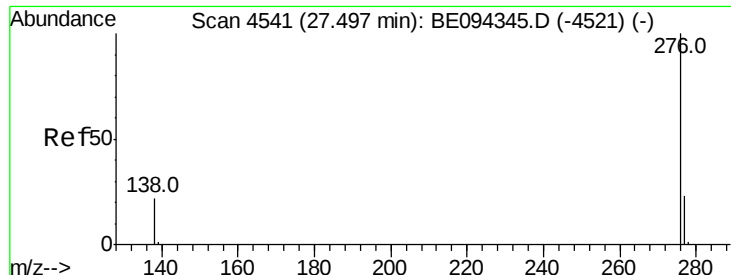


#25

Dibenzo(a,h)anthracene  
Concen: 0.520 ng/ul  
RT: 26.62 min Scan# 4348  
Delta R.T. -0.05 min  
Lab File: BE094360.D  
Acq: 14 Oct 2017 18:08

Tgt Ion:278 Resp: 11665  
Ion Ratio Lower Upper  
278 100  
139 33.6 17.4 26.0#  
279 38.2 25.9 38.9





#26

Benzo(a,h,i)perylene

Concen: 2.107 ng/ul

RT: 27.45 min Scan# 4531

Delta R.T. -0.05 min

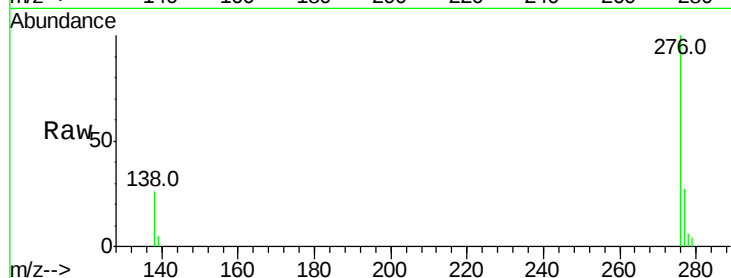
Lab File: BE094360.D

Acq: 14 Oct 2017 18:08

Instrument :

BNA\_E

ClientSampleId :



Tot Ion:276 Resp: 48570

Ion Ratio Lower Upper

276 100

138 26.5 21.8 32.8

277 26.9 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

