

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101317\  
 Data File : BE094333.D  
 Acq On : 13 Oct 2017 21:14  
 Operator : SJ/JU  
 Sample : I5568-05  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Oct 14 04:01:49 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 03:57:24 2017  
 Response via : Initial Calibration

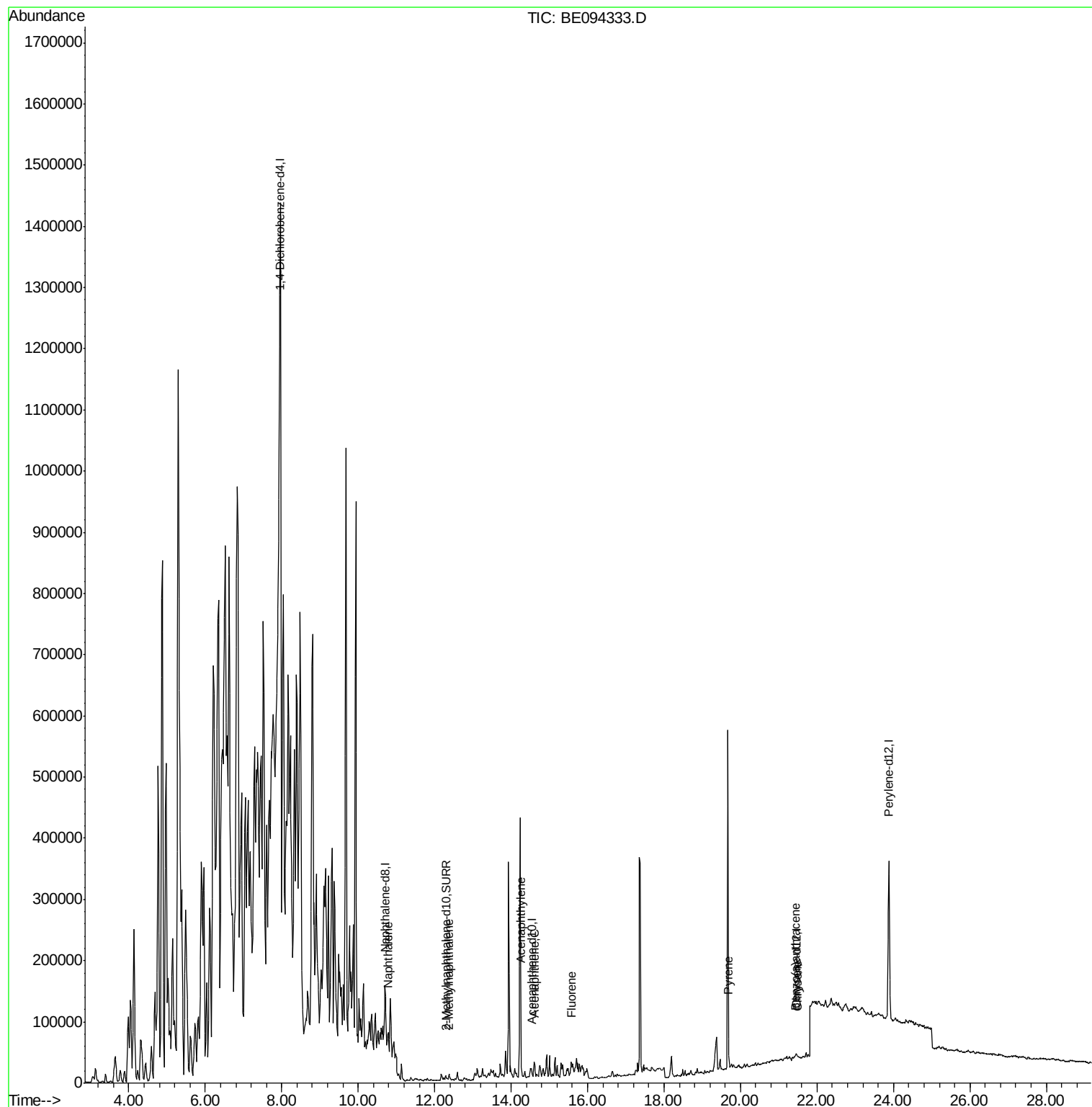
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.95  | 152  | 5509     | 0.40  | ng/ul  | 0.02     |
| 2) Naphthalene-d8           | 10.72 | 136  | 13855    | 0.40  | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.54 | 164  | 5597     | 0.40  | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 0.00  | 188  | 0        | 0.00  | ng/ul  | -17.27   |
| 16) Chrysene-d12            | 21.46 | 240  | 6119     | 0.40  | ng/ul  | 0.02     |
| 20) Perylene-d12            | 23.88 | 264  | 448342   | 0.40  | ng/ul  | -0.10    |
| System Monitoring Compounds |       |      |          |       |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.30 | 152  | 6353     | 0.30  | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.30 | 212  | 7601     | 0.00  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |       |        |          |
| 3) Naphthalene              | 10.78 | 128  | 50655    | 1.493 | ng/ul# | 1        |
| 5) 2-Methylnaphthalene      | 12.37 | 142  | 5382     | 0.244 | ng/ul  | 93       |
| 7) Acenaphthylene           | 14.26 | 152  | 7582     | 0.347 | ng/ul# | 1        |
| 8) Acenaphthene             | 14.60 | 153  | 15106    | 0.841 | ng/ul# | 87       |
| 9) Fluorene                 | 15.58 | 166  | 12665    | 0.602 | ng/ul# | 70       |
| 17) Pyrene                  | 19.70 | 202  | 15596    | 0.916 | ng/ul# | 75       |
| 18) Benzo(a)anthracene      | 21.44 | 228  | 2693     | 0.166 | ng/ul# | 1        |
| 19) Chrysene                | 21.49 | 228  | 4333     | 0.231 | ng/ul# | 1        |

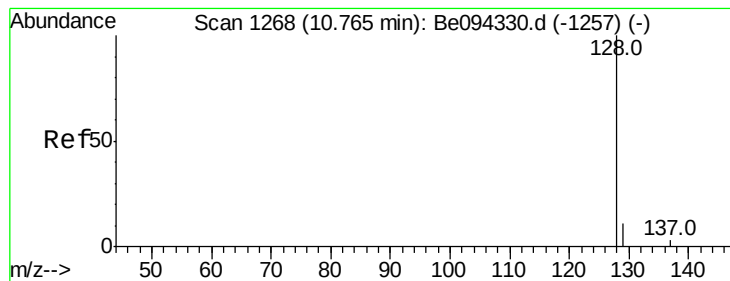
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.493 ng/ul

RT: 10.78 min Scan# 1270

Delta R.T. 0.01 min

Lab File: BE094333.D

Acq: 13 Oct 2017 21:14

Instrument :

BNA\_E

ClientSampleId :

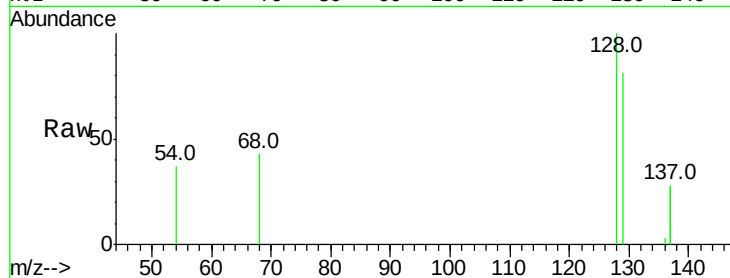
Tot Ion:128 Resp: 50655

Ion Ratio Lower Upper

128 100

129 81.4 11.3 16.9#

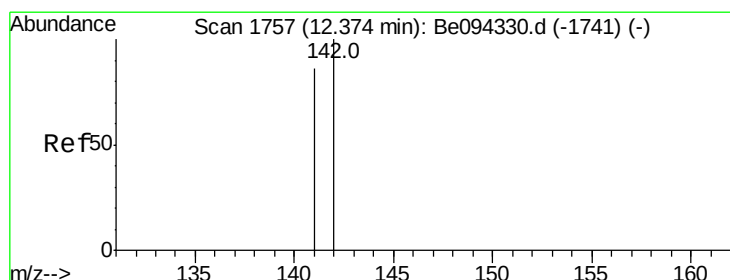
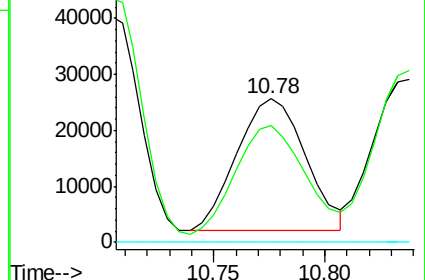
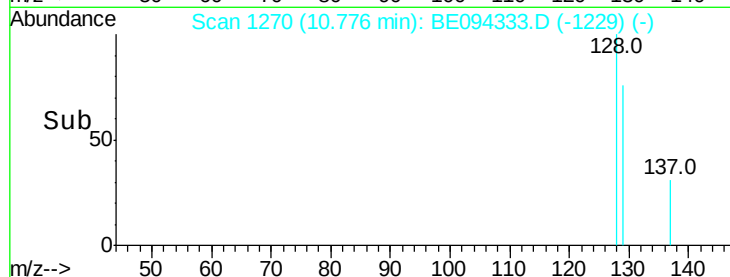
127 0.0 4.0 6.0#



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: 0.244 ng/ul

RT: 12.37 min Scan# 1757

Delta R.T. -0.00 min

Lab File: BE094333.D

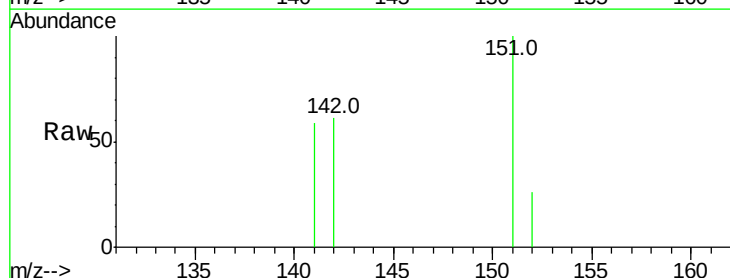
Acq: 13 Oct 2017 21:14

Tgt Ion:142 Resp: 5382

Ion Ratio Lower Upper

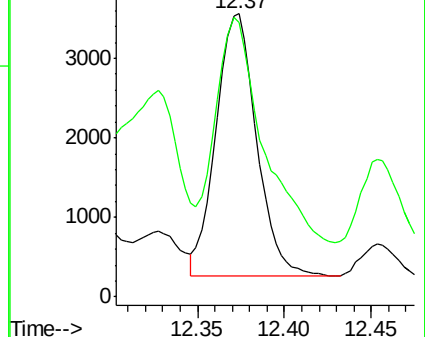
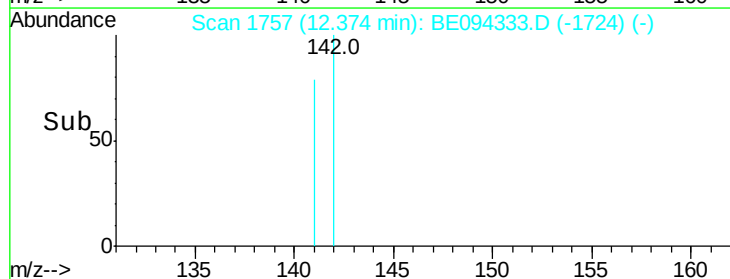
142 100

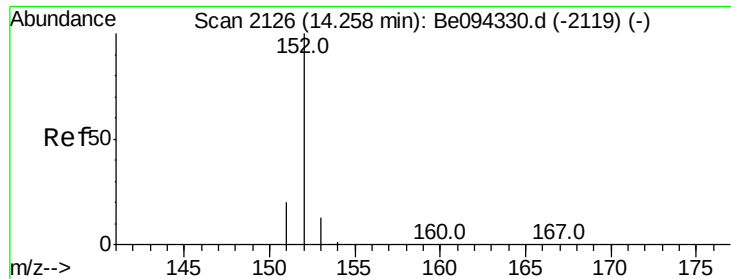
141 97.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.347 ng/ul

RT: 14.26 min Scan# 2126

Delta R.T. 0.00 min

Lab File: BE094333.D

Acq: 13 Oct 2017 21:14

Instrument :

BNA\_E

ClientSampleId :

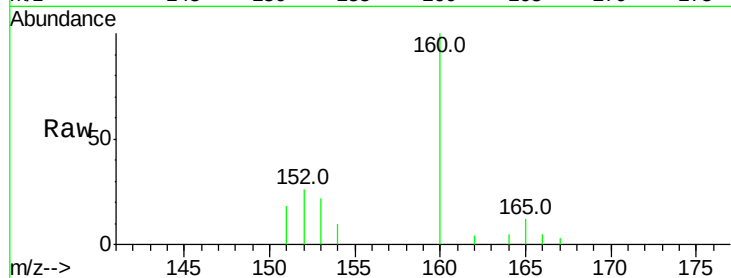
Tot Ion:152 Resp: 7582

Ion Ratio Lower Upper

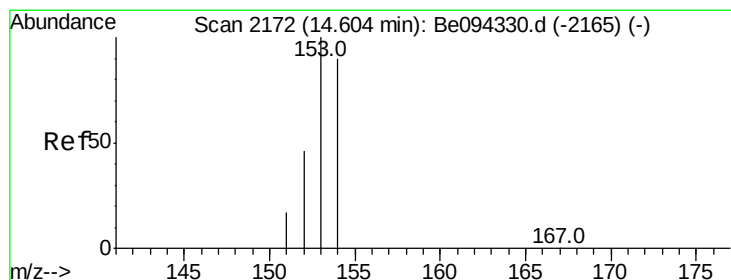
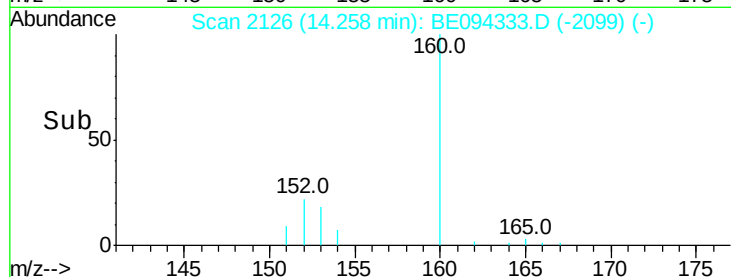
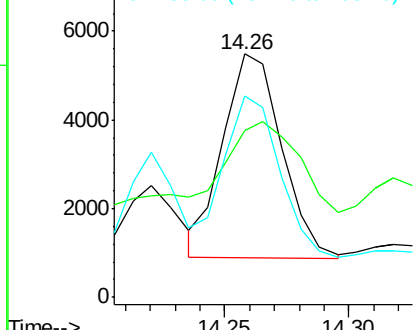
152 100

151 68.5 17.1 25.7#

153 82.8 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: 0.841 ng/ul

RT: 14.60 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BE094333.D

Acq: 13 Oct 2017 21:14

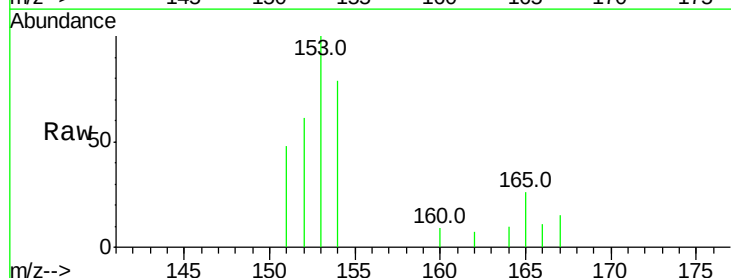
Tgt Ion:153 Resp: 15106

Ion Ratio Lower Upper

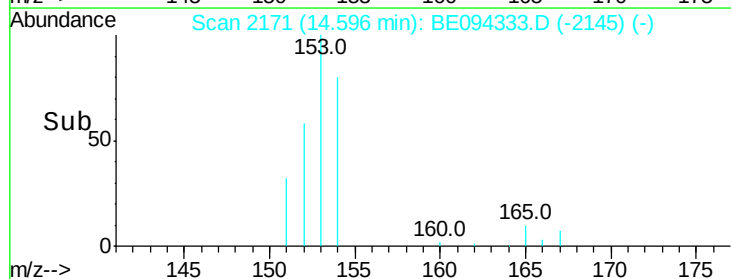
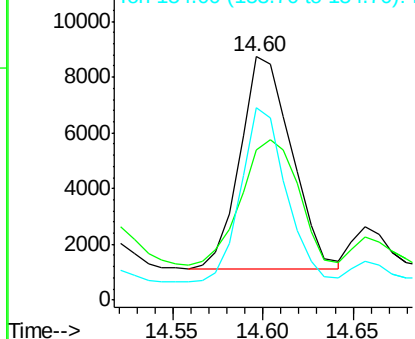
153 100

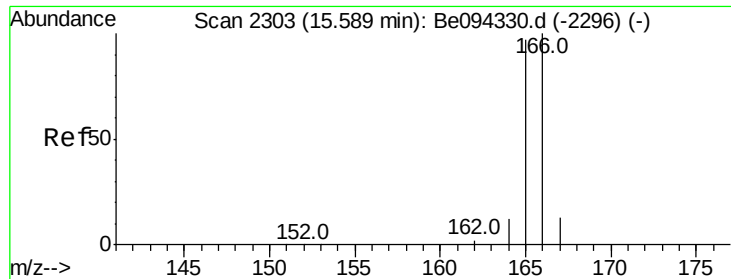
152 61.4 40.3 60.5#

154 78.9 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: 0.602 ng/ul

RT: 15.58 min Scan# 2302

Delta R.T. -0.01 min

Lab File: BE094333.D

Acq: 13 Oct 2017 21:14

Instrument :

BNA\_E

ClientSampleId :

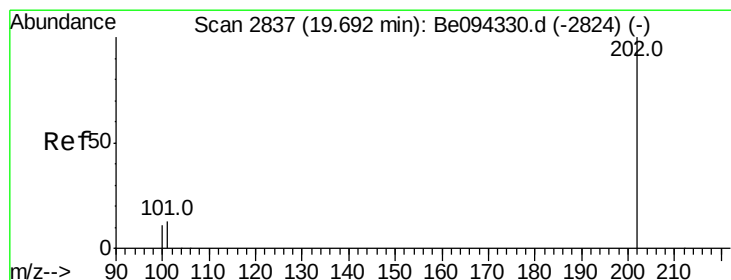
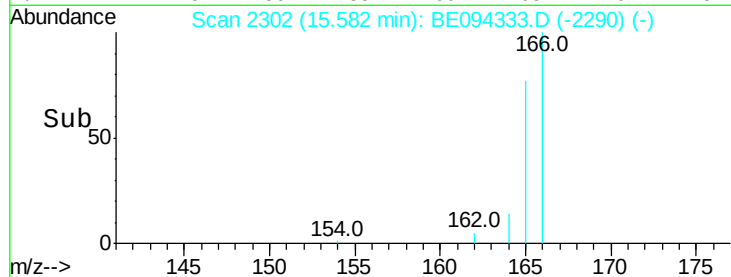
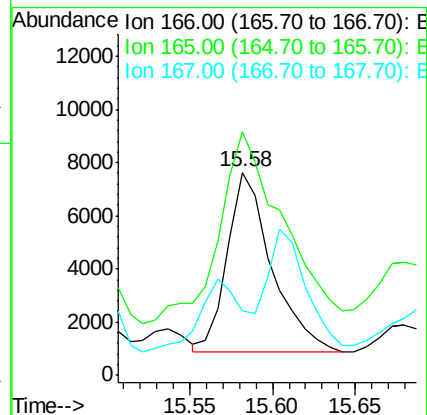
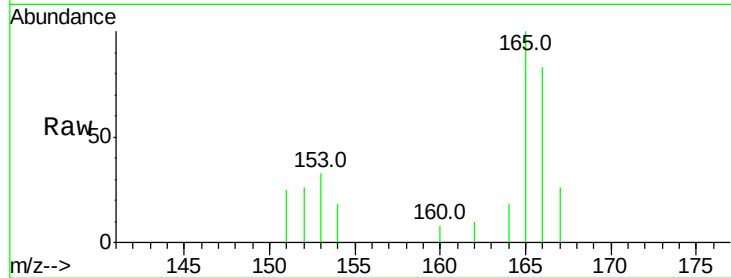
Tot Ion:166 Resp: 12665

Ion Ratio Lower Upper

166 100

165 119.9 73.4 110.2#

167 31.8 14.6 22.0#



#17

Pyrene

Concen: 0.916 ng/ul

RT: 19.70 min Scan# 2838

Delta R.T. 0.01 min

Lab File: BE094333.D

Acq: 13 Oct 2017 21:14

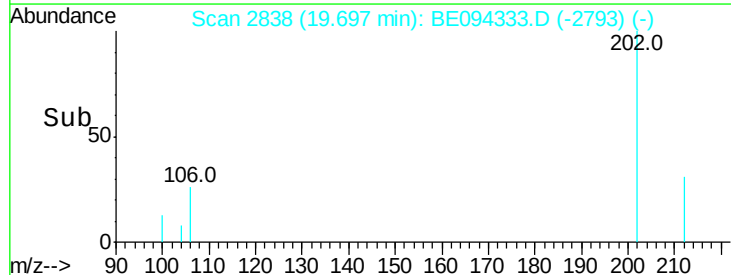
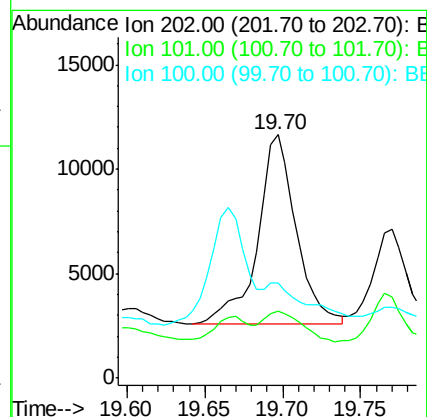
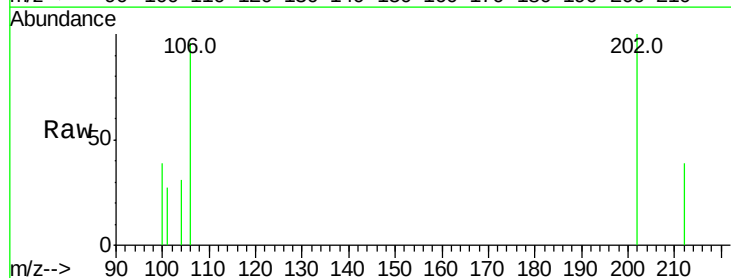
Tgt Ion:202 Resp: 15596

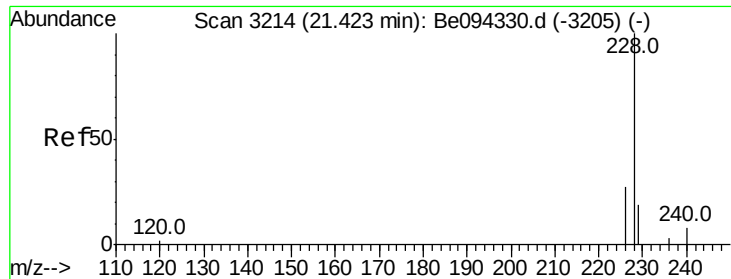
Ion Ratio Lower Upper

202 100

101 27.4 18.2 27.4

100 39.0 15.6 23.4#

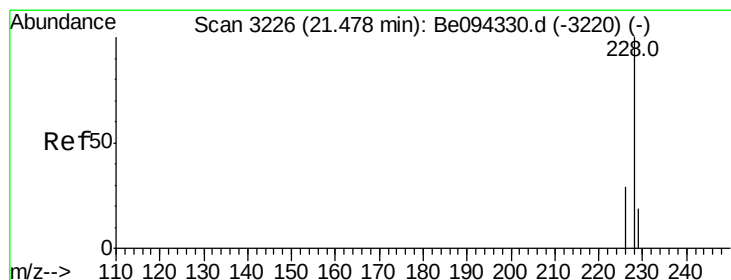
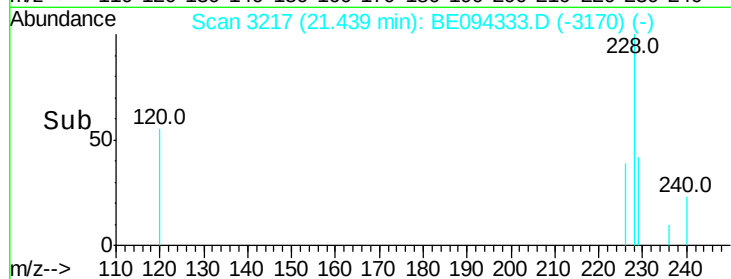
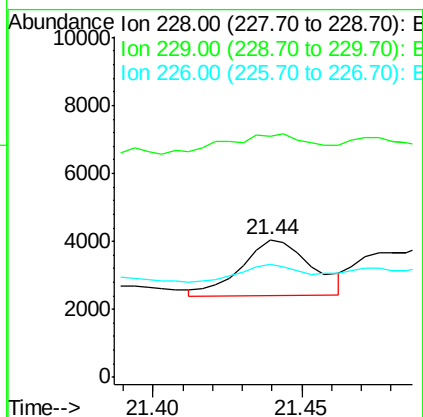
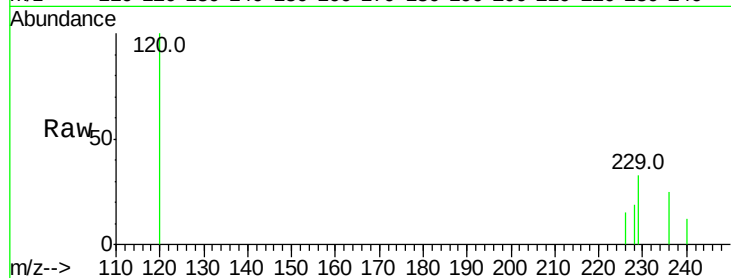




#18  
Benzo(a)anthracene  
Concen: 0.166 ng/ul  
RT: 21.44 min Scan# 3217  
Delta R.T. 0.02 min  
Lab File: BE094333.D  
Acq: 13 Oct 2017 21:14

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:228 Resp: 2693  
Ion Ratio Lower Upper  
228 100  
229 175.4 22.8 34.2#  
226 81.8 17.0 25.6#



#19  
Chrysene  
Concen: 0.231 ng/ul  
RT: 21.49 min Scan# 3229  
Delta R.T. 0.02 min  
Lab File: BE094333.D  
Acq: 13 Oct 2017 21:14

Tgt Ion:228 Resp: 4333  
Ion Ratio Lower Upper  
228 100  
226 82.1 23.4 35.0#  
229 172.5 17.7 26.5#

