

Data Path : Z:\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 :  
 B-75(1-3)-092917

Manual Integrations  
 APPROVED

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Quant Time: Oct 14 04:24:01 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        | 17.27 | 188  | 11440m   | 0.40 | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.46 | 240  | 6119     | 0.40 | ng/ul  | 0.02     |
| 20) Perylene-d12            | 24.05 | 264  | 6483m    | 0.40 | ng/ul  | 0.07     |
| System Monitoring Compounds |       |      |          |      |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.30 | 152  | 6353     | 0.30 | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.30 | 212  | 7601     | 0.20 | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |      |        |          |
| 5) 2-Methylnaphthalene      | 12.37 | 142  | 5382     | 0.24 | ng/ul  | 93       |
| 8) Acenaphthene             | 14.60 | 153  | 15106    | 0.84 | ng/ul# | 87       |
| 9) Fluorene                 | 15.58 | 166  | 12665    | 0.60 | ng/ul# | 70       |
| 12) Phenanthrene            | 17.31 | 178  | 28399    | 0.95 | ng/ul# | 77       |
| 17) Pyrene                  | 19.70 | 202  | 15596    | 0.92 | ng/ul# | 75       |

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

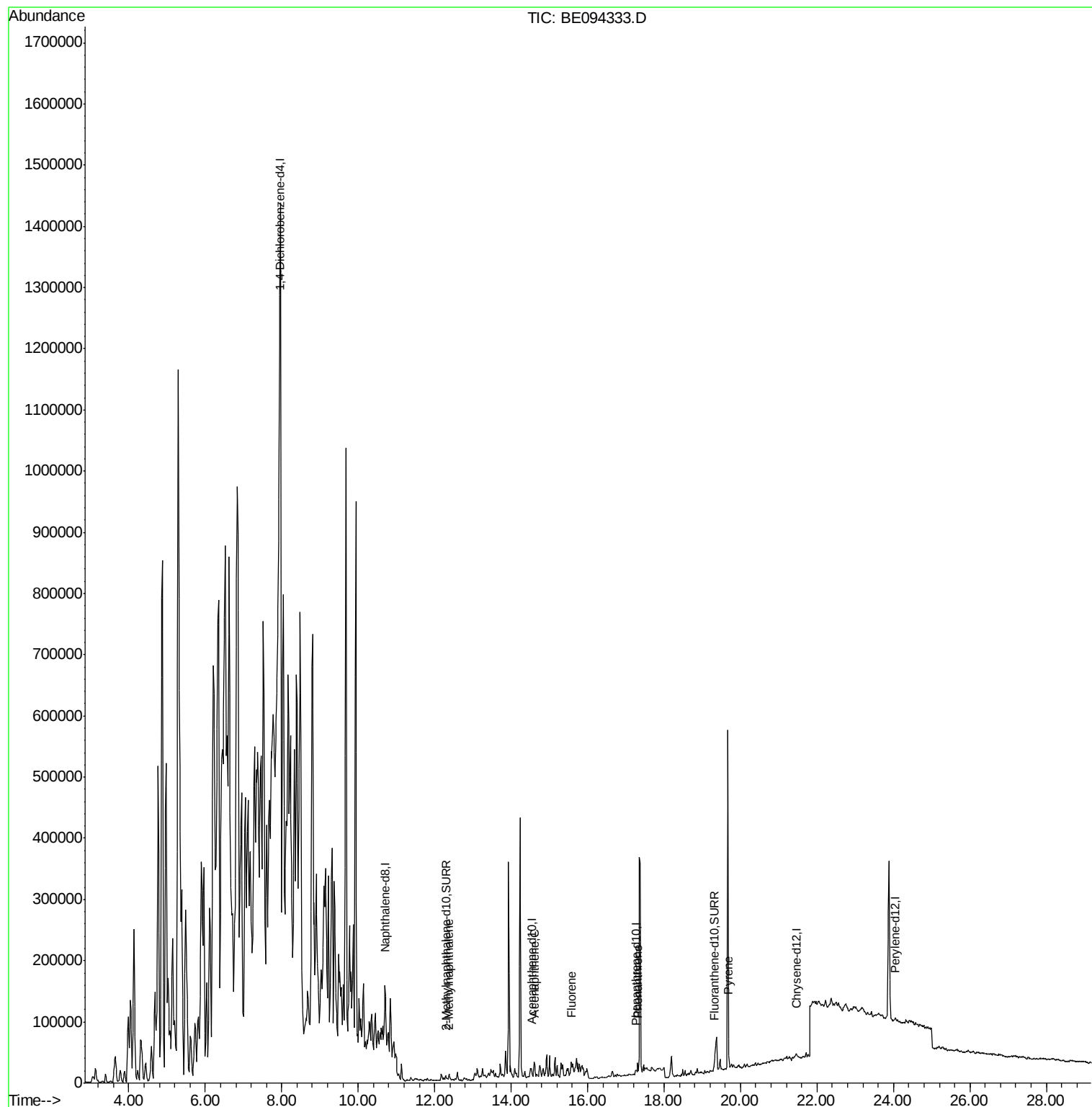
Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE101317\  
Data File : BE094333.D  
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Operator : SJ/JU  
Sample : I5568-05  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

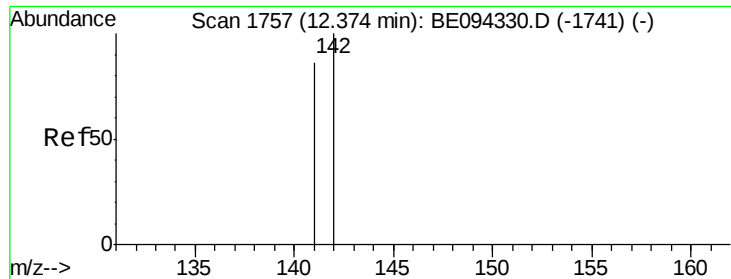
Instrument :  
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Quant Time: Oct 14 04:24:01 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SOM-EPA-SIM-BE092017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Oct 14 03:57:24 2017  
Response via : Initial Calibration





#5

2-Methylnaphthalene

Concen: 0.24 ng/ul

RT: 12.37 min Scan# 1757

Delta R.T. -0.00 min

Lab File: BE094333.D

Acq: 13 Oct 2017 21:14

Instrument :

BNA\_E

ClientSampleId :

B-75(1-3)-092917

Tgt Ion:142 Resp: 5382

Ion Ratio Lower Upper

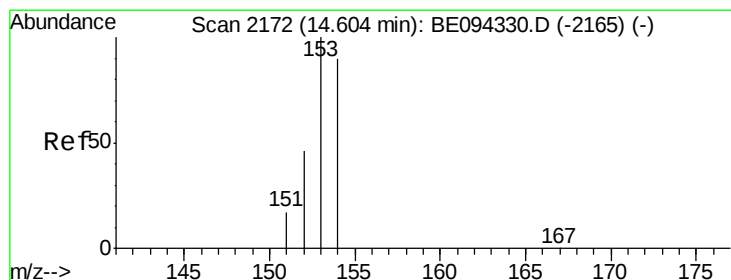
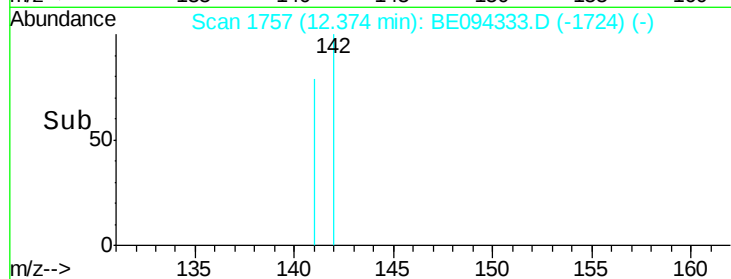
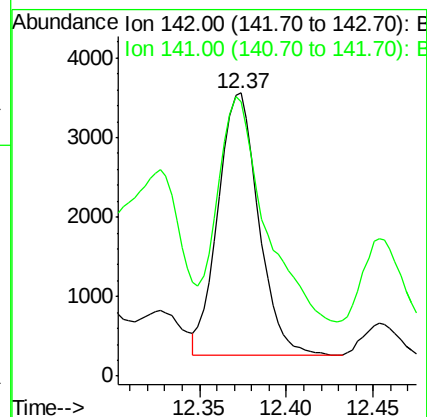
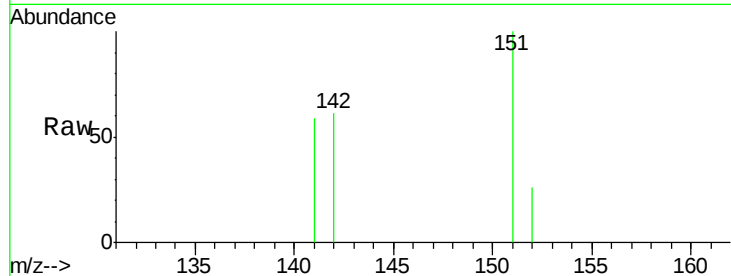
142 100

141 97.3 72.6 108.8

Manual Integrations  
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#8

Acenaphthene

Concen: 0.84 ng/ul

RT: 14.60 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BE094333.D

Acq: 13 Oct 2017 21:14

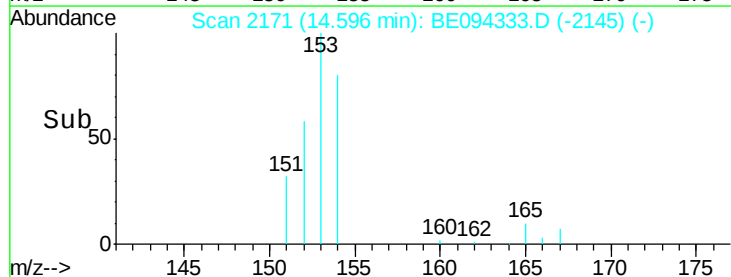
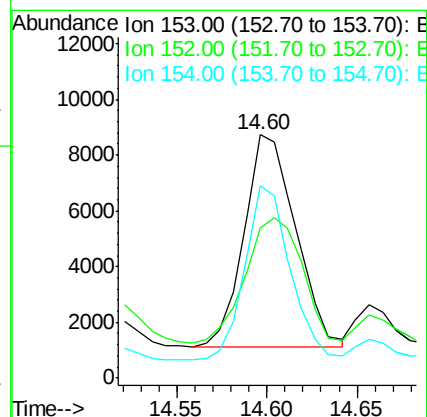
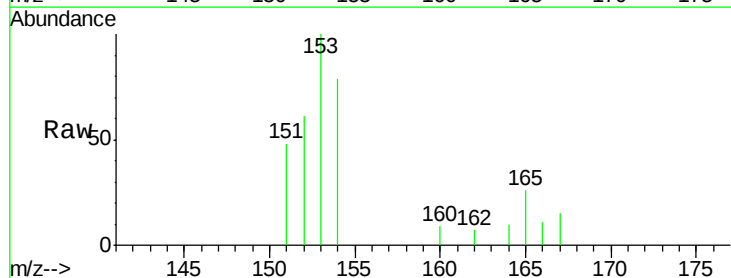
Tgt Ion:153 Resp: 15106

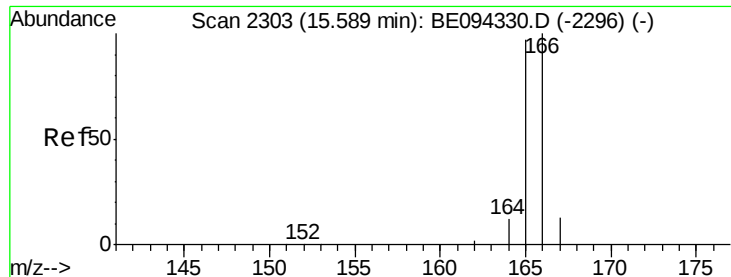
Ion Ratio Lower Upper

153 100

152 61.4 40.3 60.5#

154 78.9 71.4 107.2





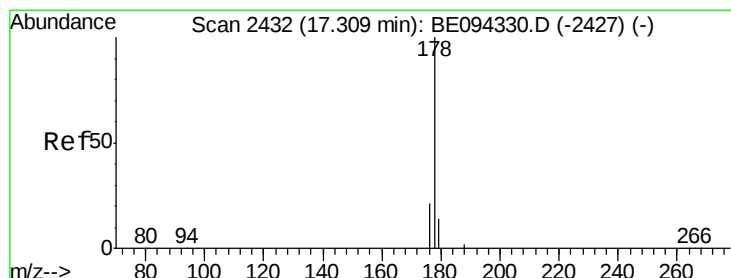
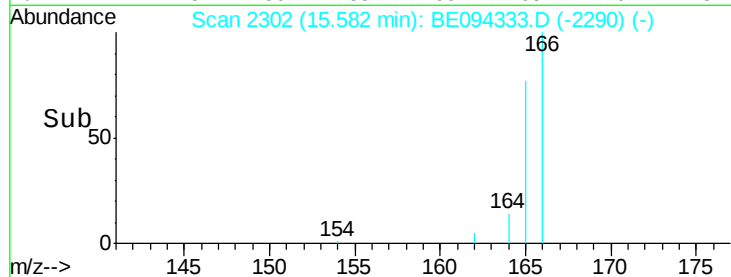
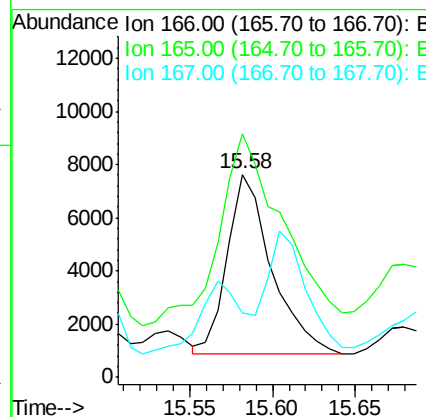
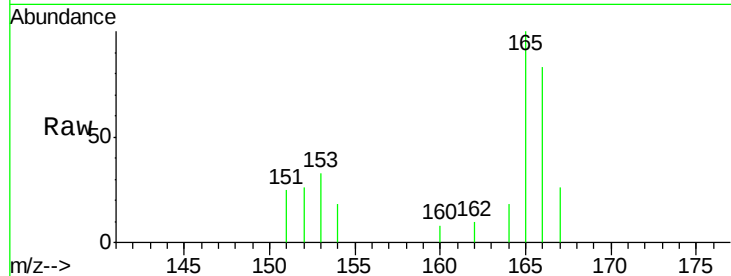
#9  
**Fluorene**  
 Concen: 0.60 ng/ul  
 RT: 15.58 min Scan# 2302  
 Delta R.T. -0.01 min  
 Lab File: BE094333.D  
 Acq: 13 Oct 2017 21:14

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| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 166     | 100   |       |        |
| 165     | 119.9 | 73.4  | 110.2# |
| 167     | 31.8  | 14.6  | 22.0#  |

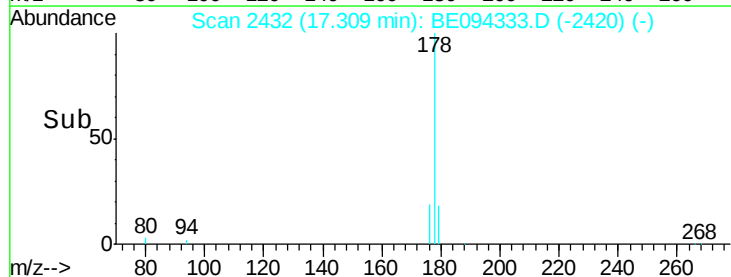
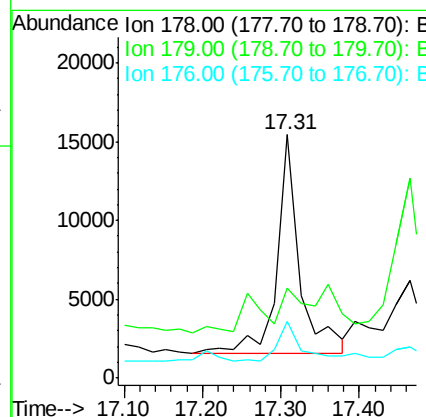
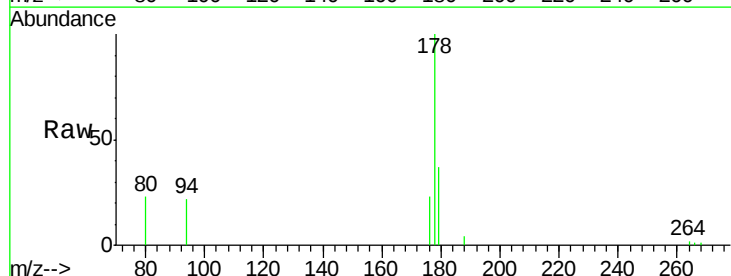
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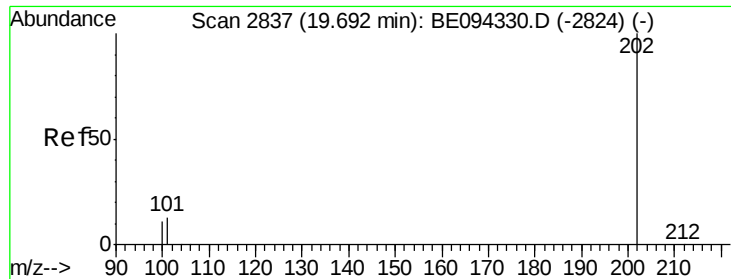
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#12  
**Phenanthrene**  
 Concen: 0.95 ng/ul  
 RT: 17.31 min Scan# 2432  
 Delta R.T. 0.00 min  
 Lab File: BE094333.D  
 Acq: 13 Oct 2017 21:14

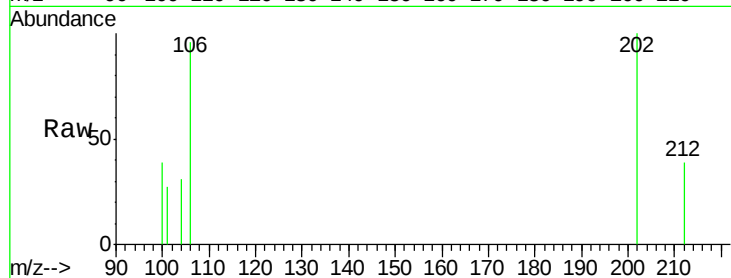
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 37.0  | 18.4  | 27.6# |
| 176     | 23.3  | 13.6  | 20.4# |





#17  
 Pyrene  
 Concen: 0.92 ng/ul  
 RT: 19.70 min Scan# 2838  
 Delta R.T. 0.01 min  
 Lab File: BE094333.D  
 Acq: 13 Oct 2017 21:14

Instrument :  
 BNA\_E  
 ClientSampleId :  
 B-75(1-3)-092917



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 27.4  | 18.2  | 27.4  |
| 100     | 39.0  | 15.6  | 23.4  |

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