

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM111616\  
 Data File : BM007930.D  
 Acq On : 16 Nov 2016 20:25  
 Operator : UM/SJ  
 Sample : H5622-23  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4WM0

Manual Integrations  
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Quant Time: Nov 17 06:11:09 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM102516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 17 04:42:29 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.74  | 152  | 933      | 0.40 | ng/ul  | -0.02    |
| 2) Naphthalene-d8           | 10.51 | 136  | 2987     | 0.40 | ng/ul  | -0.02    |
| 6) Acenaphthene-d10         | 14.37 | 164  | 3781     | 0.40 | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.11 | 188  | 4023m    | 0.40 | ng/ul  | -0.02    |
| 16) Chrysene-d12            | 21.30 | 240  | 3737     | 0.40 | ng/ul  | -0.01    |
| 20) Perylene-d12            | 23.55 | 264  | 3112m    | 0.40 | ng/ul  | -0.02    |
| System Monitoring Compounds |       |      |          |      |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.10 | 152  | 1505     | 0.43 | ng/ul  | -0.03    |
| 14) Fluoranthene-d10        | 19.14 | 212  | 3545m    | 0.39 | ng/ul  | -0.02    |
| Target Compounds            |       |      |          |      |        |          |
| 3) Naphthalene              | 10.56 | 128  | 27197    | 3.54 | ng/ul  | 98       |
| 5) 2-Methylnaphthalene      | 12.17 | 142  | 11437    | 2.36 | ng/ul  | 99       |
| 8) Acenaphthene             | 14.42 | 153  | 2339     | 0.17 | ng/ul  | 94       |
| 9) Fluorene                 | 15.41 | 166  | 5026     | 0.33 | ng/ul# | 80       |
| 12) Phenanthrene            | 17.14 | 178  | 7315m    | 0.65 | ng/ul  |          |

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

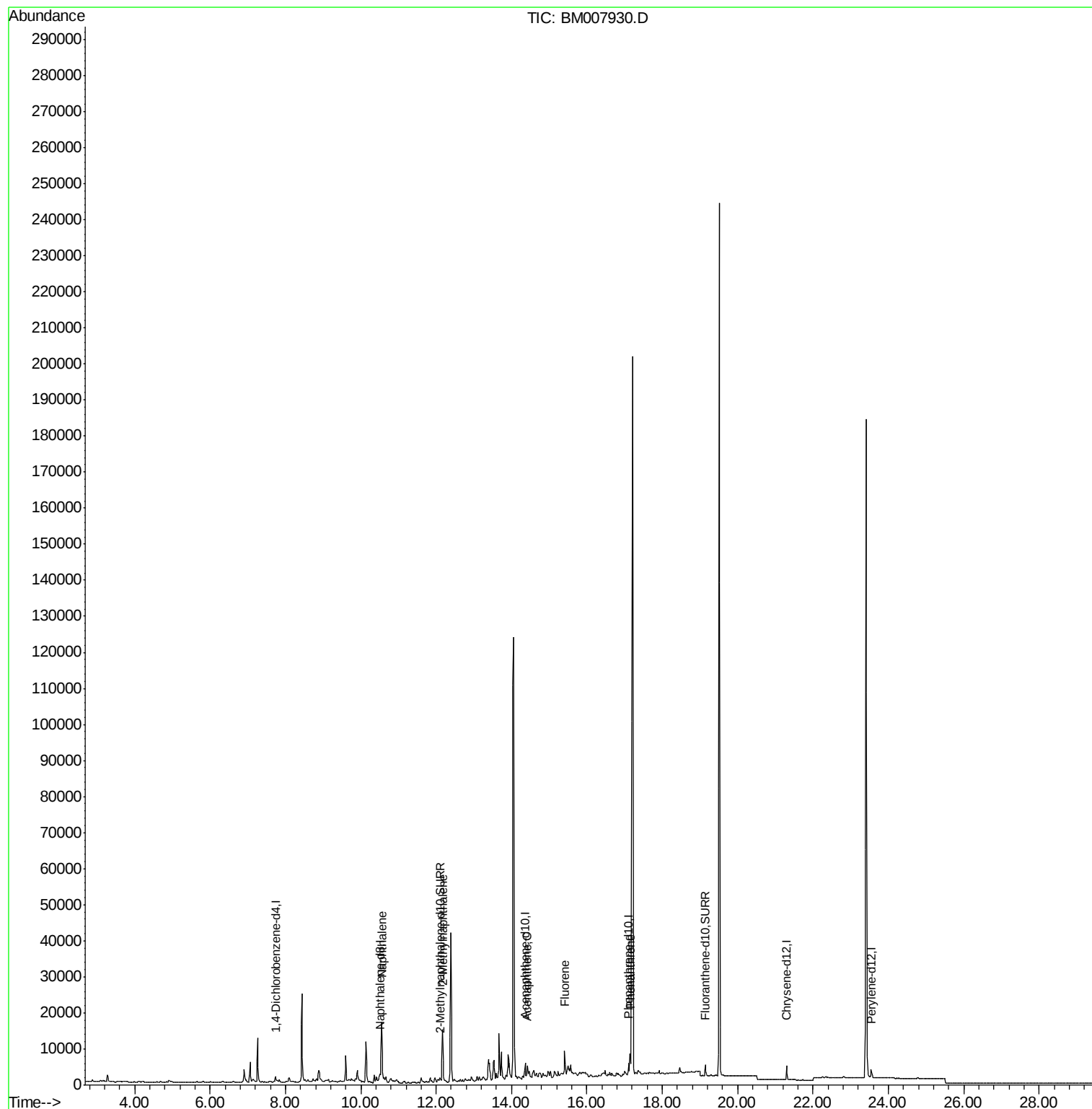
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM111616\  
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Sample : H5622-23  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

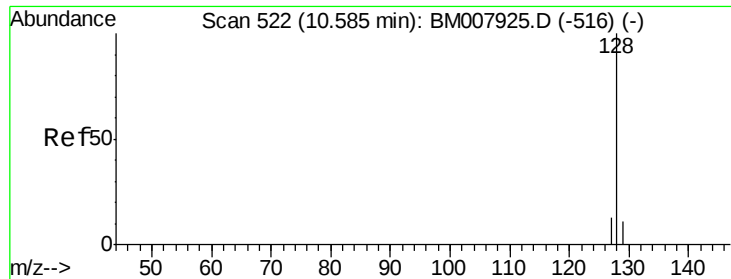
Instrument :  
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ClientSampleId :  
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QLast Update : Thu Nov 17 04:42:29 2016  
Response via : Initial Calibration





#3

Naphthalene

Concen: 3.54 ng/ul

RT: 10.56 min Scan# 520

Delta R.T. -0.02 min

Lab File: BM007930.D

Acq: 16 Nov 2016 20:25

Instrument :

BNA\_M

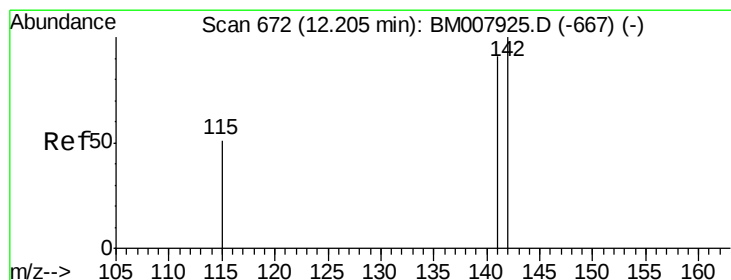
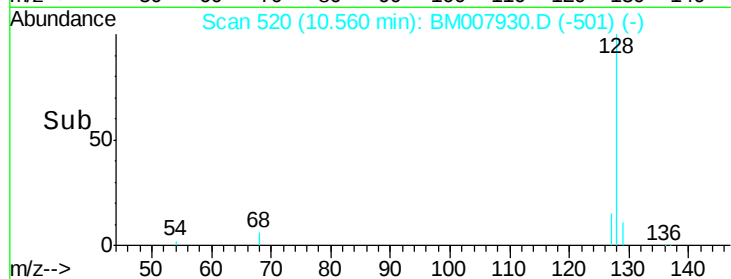
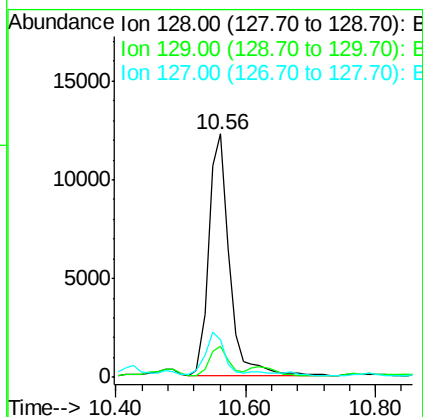
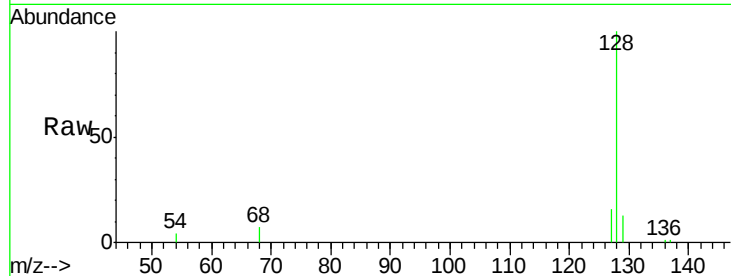
ClientSampleId :

A4WM0

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 27197 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 12.7  | 11.3  | 16.9  |
| 127       | 15.5  | 12.8  | 19.2  |

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#5

2-Methylnaphthalene

Concen: 2.36 ng/ul

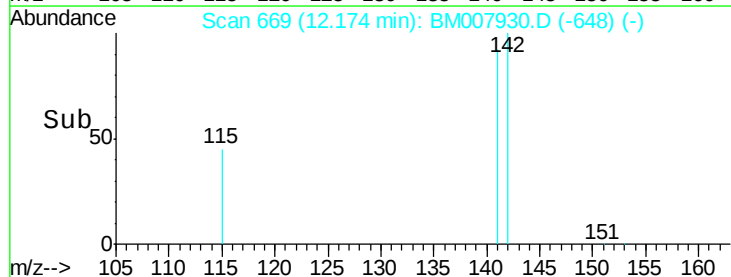
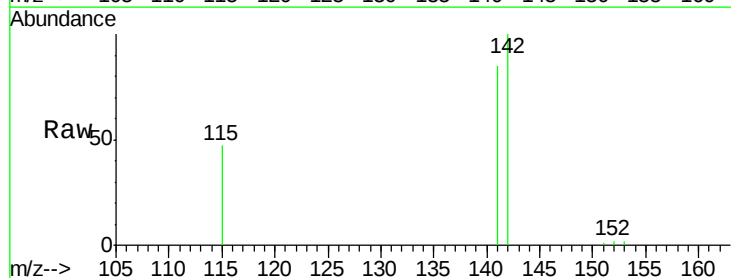
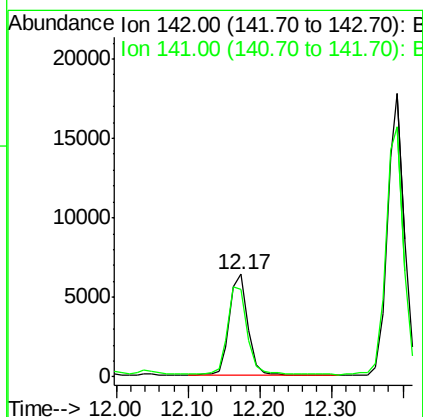
RT: 12.17 min Scan# 669

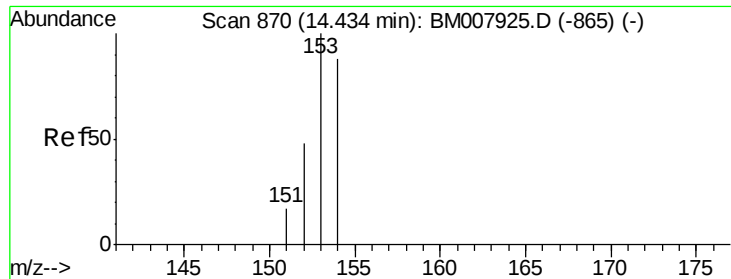
Delta R.T. -0.03 min

Lab File: BM007930.D

Acq: 16 Nov 2016 20:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 11437 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 89.6  | 72.6  | 108.8 |





#8

Acenaphthene

Concen: 0.17 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. -0.02 min

Lab File: BM007930.D

Acq: 16 Nov 2016 20:25

Instrument :

BNA\_M

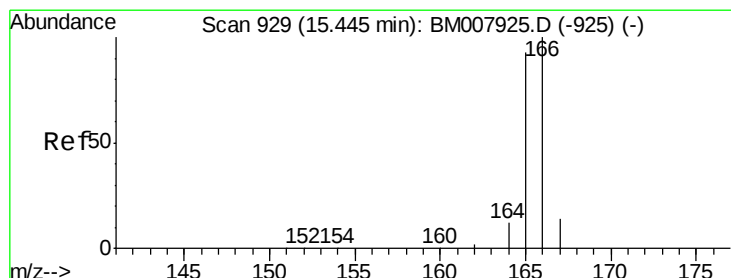
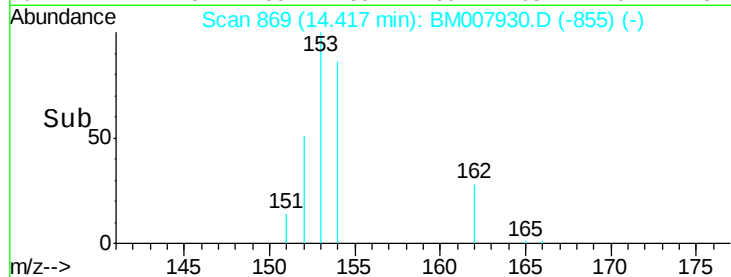
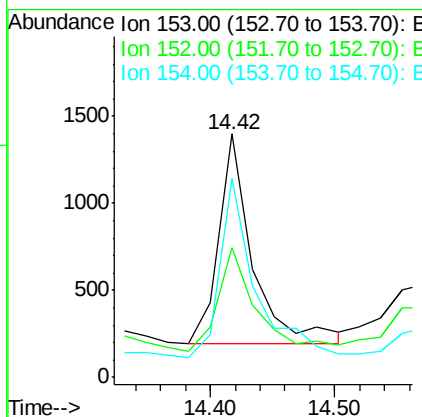
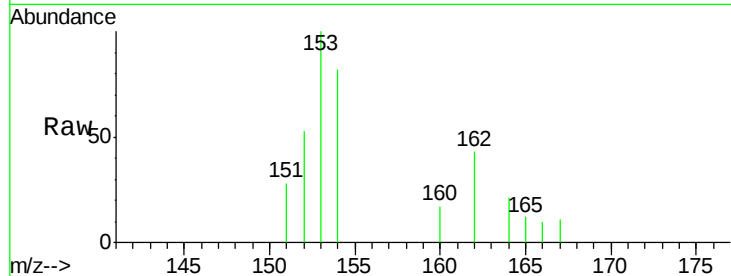
ClientSampleId :

A4WM0

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 153   | Resp: | 2339  |
| Ion Ratio | Lower | Upper |       |
| 153       | 100   |       |       |
| 152       | 53.2  | 40.3  | 60.5  |
| 154       | 81.9  | 71.4  | 107.2 |

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#9

Fluorene

Concen: 0.33 ng/ul

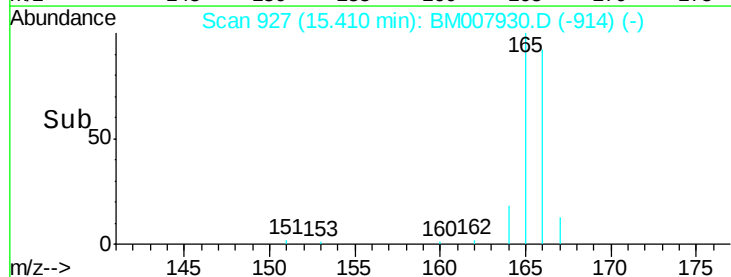
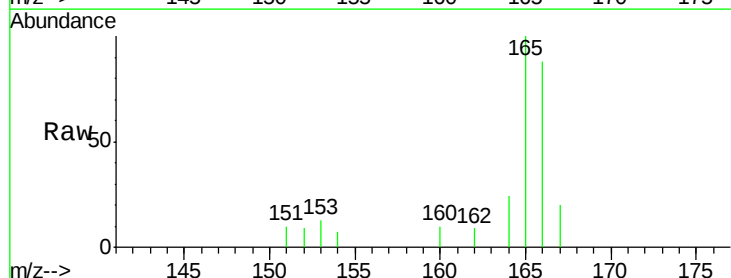
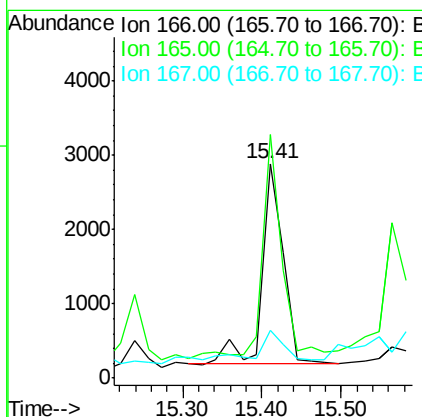
RT: 15.41 min Scan# 927

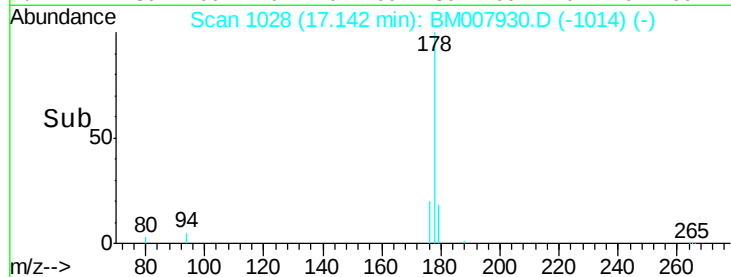
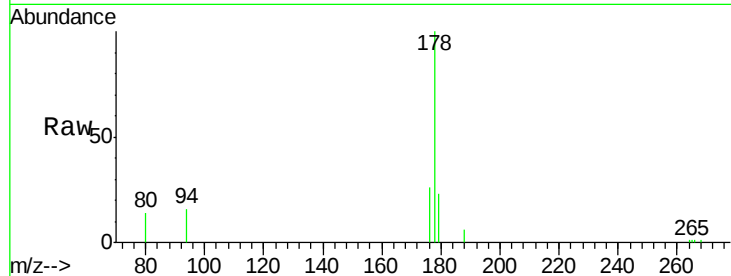
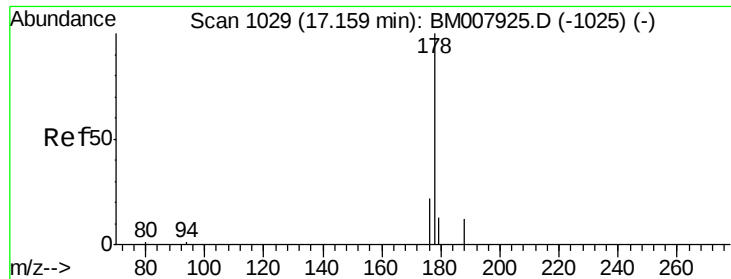
Delta R.T. -0.03 min

Lab File: BM007930.D

Acq: 16 Nov 2016 20:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 166   | Resp: | 5026   |
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 113.4 | 73.4  | 110.2# |
| 167       | 22.1  | 14.6  | 22.0#  |





#12

Phenanthrene

Concen: 0.65 ng/ul m

RT: 17.14 min Scan# 1028

Delta R.T. -0.02 min

Lab File: BM007930.D

Acq: 16 Nov 2016 20:25

Instrument :

BNA\_M

ClientSampleId :

A4WM0

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 7315  |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 26.0  | 18.4  | 27.6  |
| 179       | 23.1  | 13.6  | 20.4# |

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