

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032216\  
 Data File : BM004733.D  
 Acq On : 22 Mar 2016 18:43  
 Operator : UM/SJ  
 Sample : H1835-02  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4T12

Manual Integrations  
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Quant Time: Apr 05 16:17:50 2016  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM032216.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 05 15:47:13 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.84  | 152  | 1314     | 0.40  | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.62 | 136  | 5399     | 0.40  | ng/ul  | 0.00     |
| 8) Acenaphthene-d10         | 14.47 | 164  | 2836     | 0.40  | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 17.21 | 188  | 5609m    | 0.40  | ng/ul  | 0.00     |
| 18) Chrysene-d12            | 21.40 | 240  | 4350     | 0.40  | ng/ul  | -0.01    |
| 22) Perylene-d12            | 23.69 | 264  | 3246m    | 0.40  | ng/ul  | -0.01    |
| System Monitoring Compounds |       |      |          |       |        |          |
| 2) 1,4-Dioxane-d8           | 3.32  | 96   | 1824     | 0.57  | ng/uL  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.22 | 152  | 2103     | 0.34  | ng/ul  | 0.00     |
| 16) Fluoranthene-d10        | 19.24 | 212  | 4342     | 0.38  | ng/ul  | 0.00     |
| Target Compounds            |       |      |          |       |        |          |
| 5) Naphthalene              | 10.67 | 128  | 755889   | 59.42 | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 12.29 | 142  | 1044     | 0.13  | ng/ul  | 98       |
| 10) Acenaphthene            | 14.52 | 153  | 579      | 0.06  | ng/ul# | 83       |
| 11) Fluorene                | 15.51 | 166  | 822      | 0.08  | ng/ul# | 86       |
| 13) Pentachlorophenol       | 16.87 | 266  | 124      | 0.16  | ng/ul  | 99       |
| 14) Phenanthrene            | 17.24 | 178  | 1941m    | 0.13  | ng/ul  |          |
| 15) Anthracene              | 17.33 | 178  | 574      | 0.05  | ng/ul# | 62       |
| 17) Fluoranthene            | 19.27 | 202  | 356      | 0.02  | ng/ul  | 56       |

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

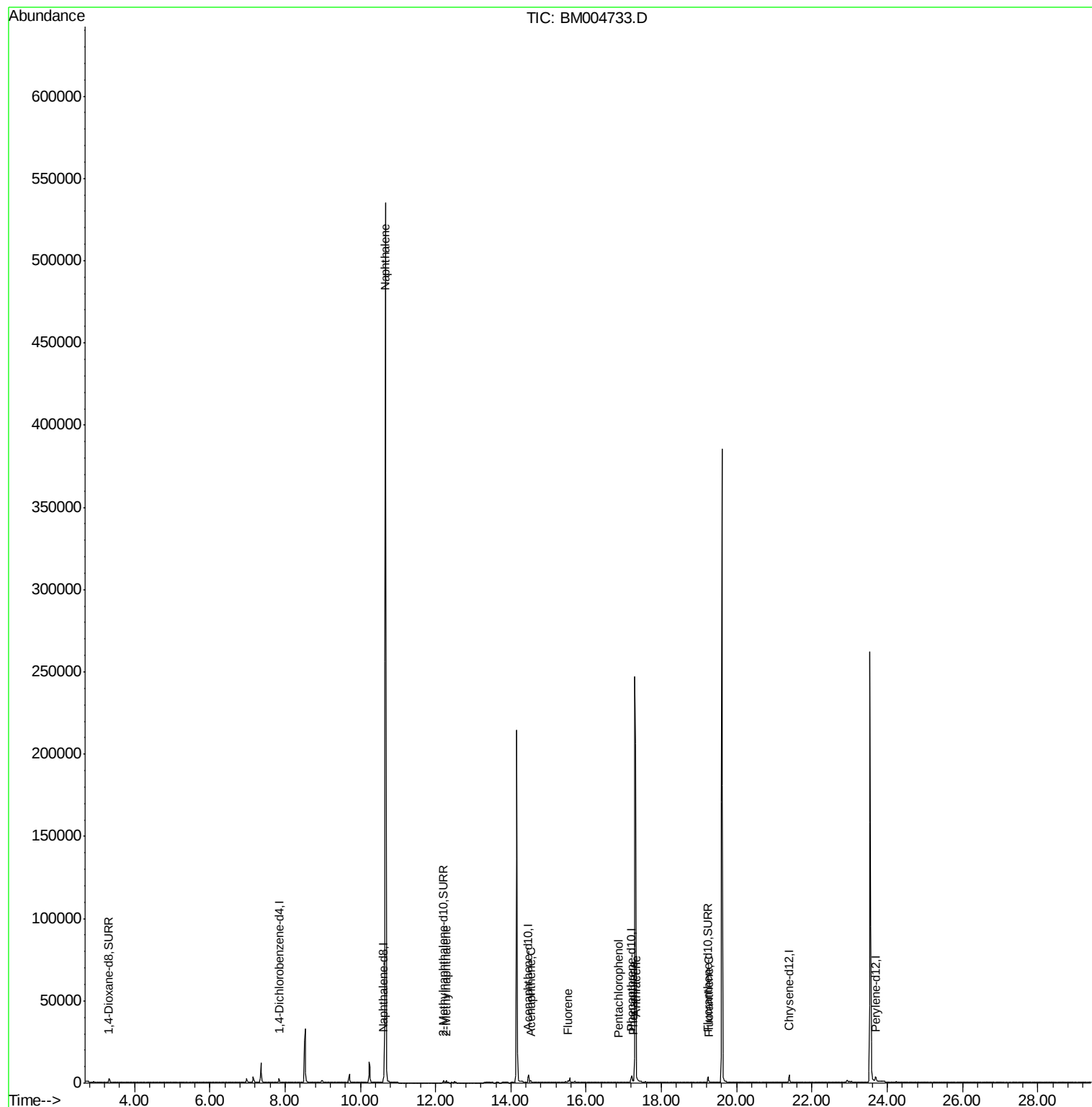
Data Path : Z:\HPCHEM1\BNA M\DATA\BM032216\  
Data File : BM004733.D  
Acq On : 22 Mar 2016 18:43  
Operator : UM/SJ  
Sample : H1835-02  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

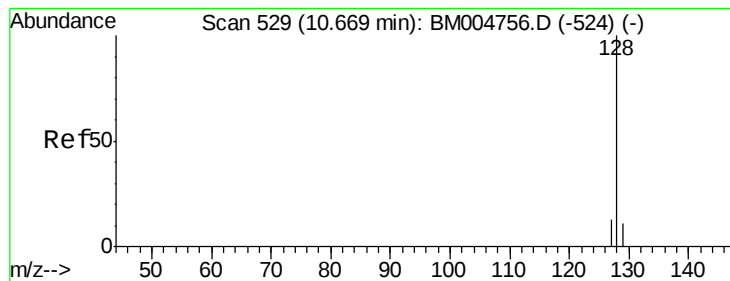
Instrument :  
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ClientSampleId :  
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QLast Update : Tue Apr 05 15:47:13 2016  
Response via : Initial Calibration





#5

Naphthalene

Concen: 59.42 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. -0.00 min

Lab File: BM004733.D

Acq: 22 Mar 2016 18:43

Instrument :

BNA\_M

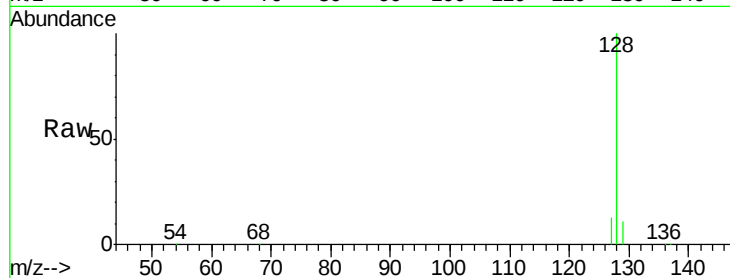
ClientSampleId :

A4T12

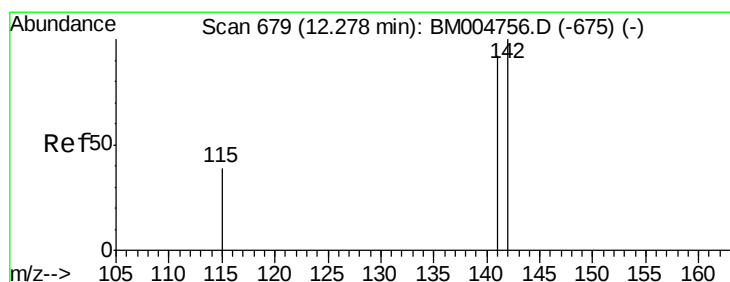
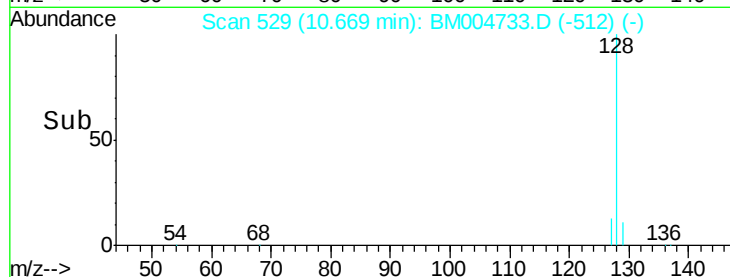
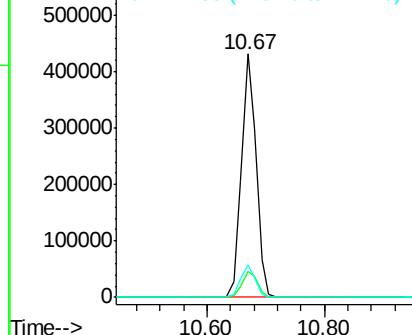
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 755889 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 129       | 10.9  | 9.0   | 13.6   |
| 127       | 13.1  | 9.6   | 14.4   |

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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



#7

2-Methylnaphthalene

Concen: 0.13 ng/ul

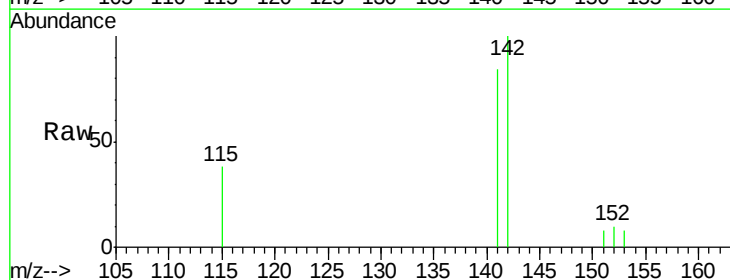
RT: 12.29 min Scan# 680

Delta R.T. 0.01 min

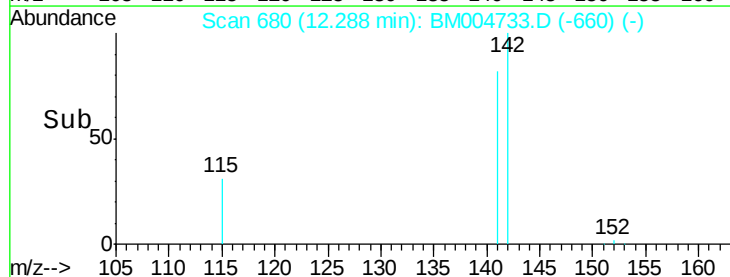
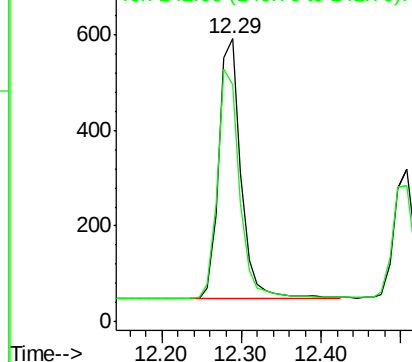
Lab File: BM004733.D

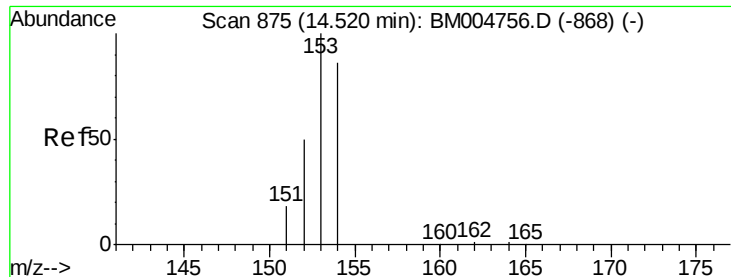
Acq: 22 Mar 2016 18:43

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 1044  |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 89.5  | 70.3  | 105.5 |



Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthene

Concen: 0.06 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. -0.00 min

Lab File: BM004733.D

Acq: 22 Mar 2016 18:43

Instrument :

BNA\_M

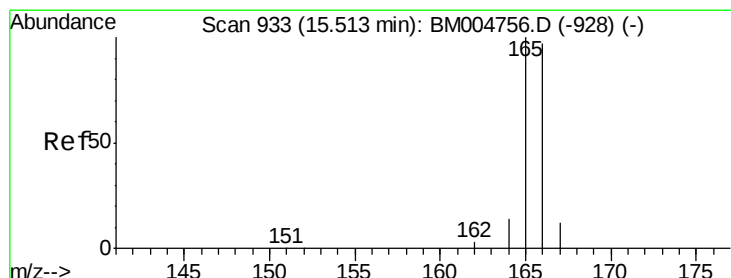
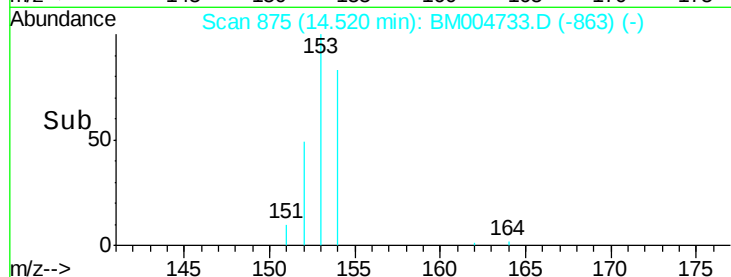
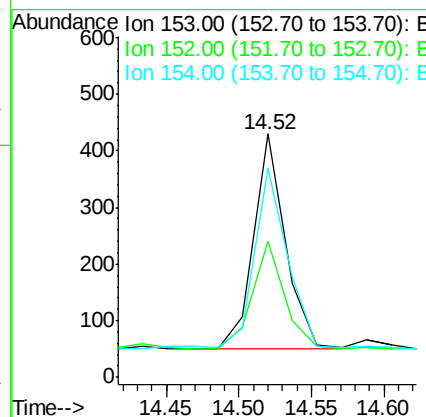
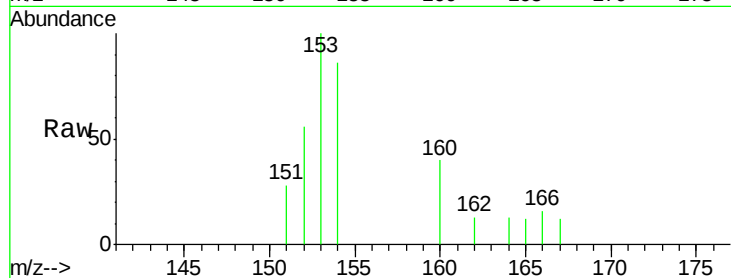
ClientSampleId :

A4T12

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 153   | Resp: | 579   |
| Ion      | Ratio | Lower | Upper |
| 153      | 100   |       |       |
| 152      | 55.8  | 33.9  | 50.9# |
| 154      | 85.8  | 80.6  | 121.0 |

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#11

Fluorene

Concen: 0.08 ng/ul

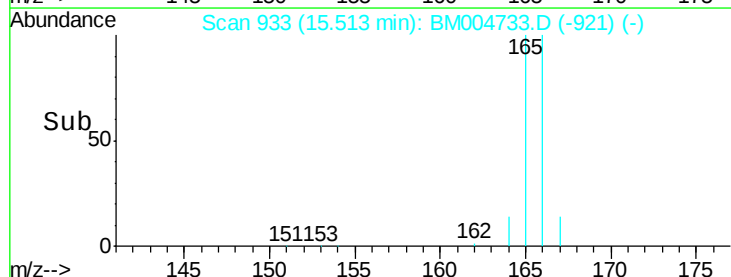
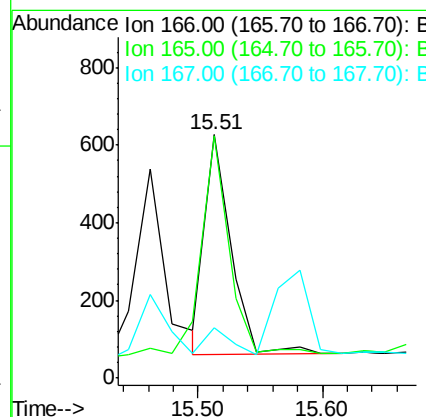
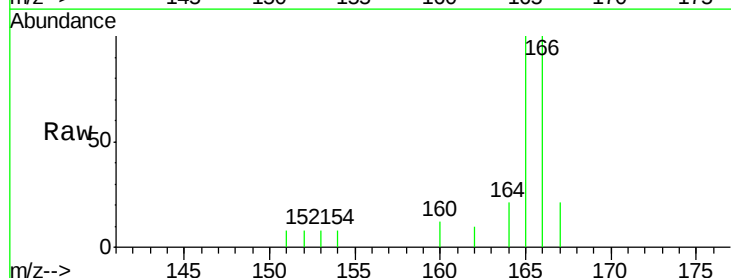
RT: 15.51 min Scan# 933

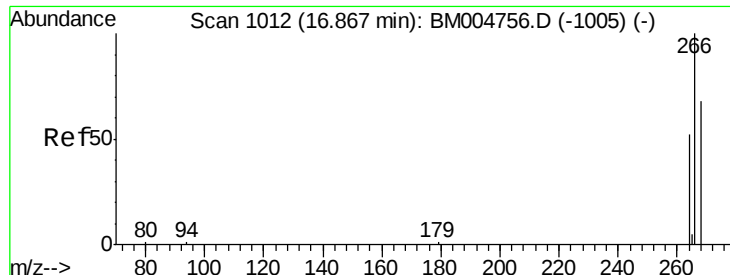
Delta R.T. -0.00 min

Lab File: BM004733.D

Acq: 22 Mar 2016 18:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 166   | Resp: | 822   |
| Ion      | Ratio | Lower | Upper |
| 166      | 100   |       |       |
| 165      | 99.7  | 69.6  | 104.4 |
| 167      | 20.7  | 11.9  | 17.9# |





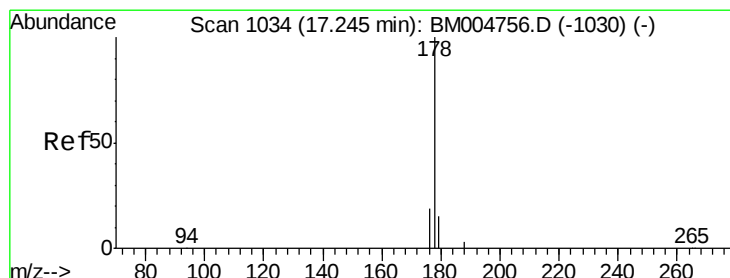
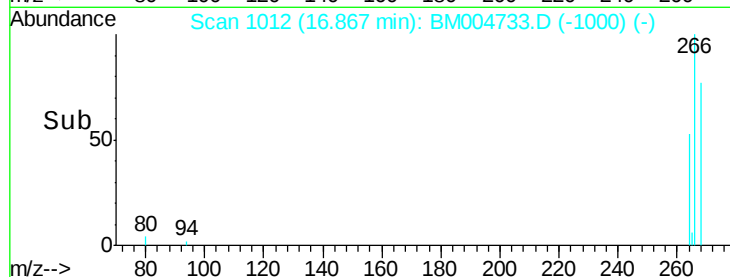
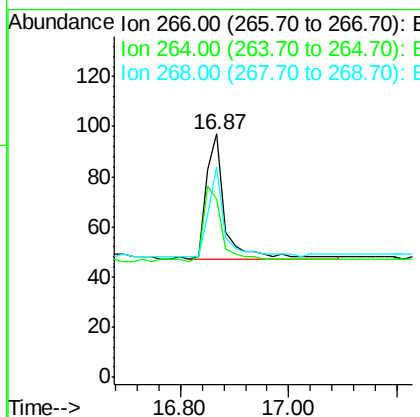
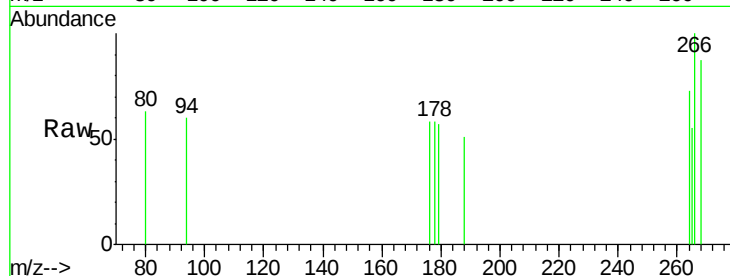
#13  
 Pentachlorophenol  
 Concen: 0.16 ng/ul  
 RT: 16.87 min Scan# 1012  
 Delta R.T. -0.00 min  
 Lab File: BM004733.D  
 Acq: 22 Mar 2016 18:43

Instrument :  
 BNA\_M  
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| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 64.5  | 51.8  | 77.8  |
| 268     | 59.7  | 46.8  | 70.2  |

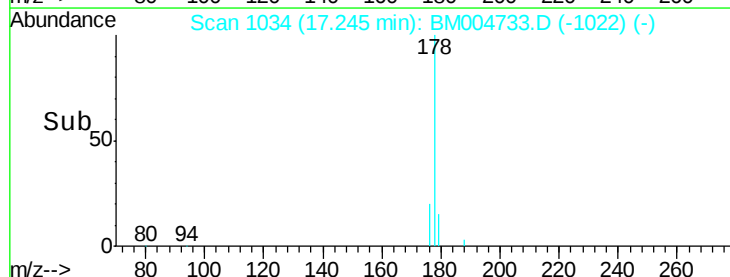
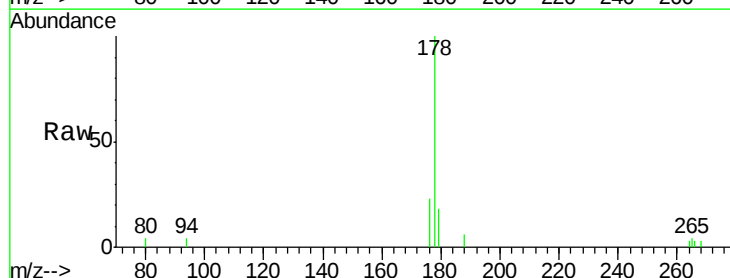
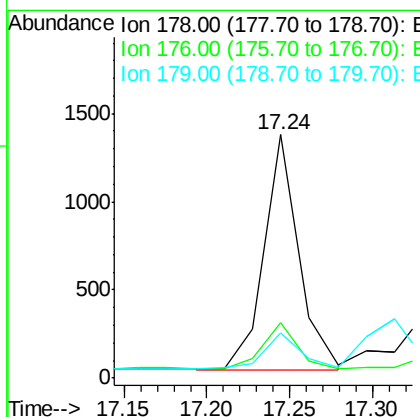
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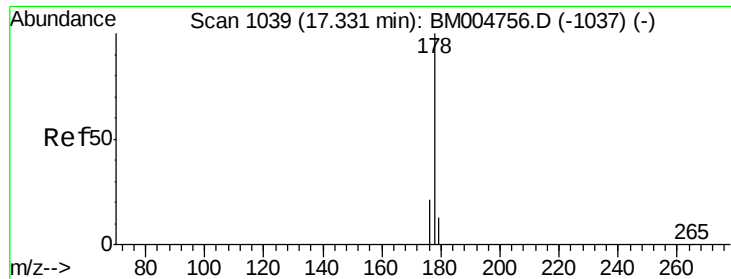
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#14  
 Phenanthrene  
 Concen: 0.13 ng/ul m  
 RT: 17.24 min Scan# 1034  
 Delta R.T. -0.00 min  
 Lab File: BM004733.D  
 Acq: 22 Mar 2016 18:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 22.6  | 13.0  | 19.4# |
| 179     | 18.4  | 14.2  | 21.2  |





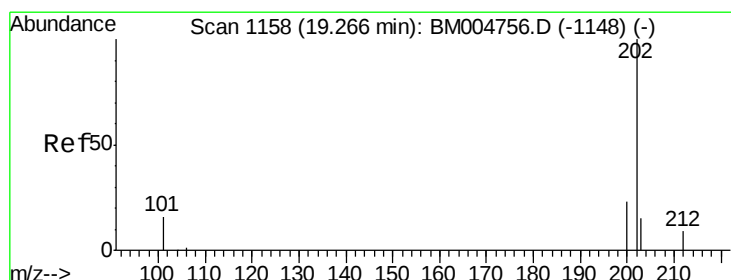
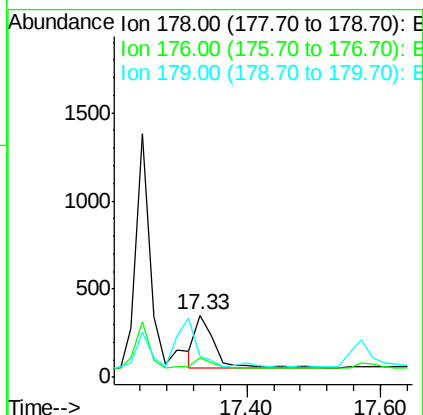
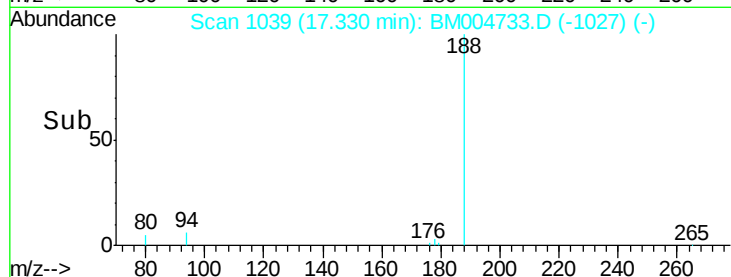
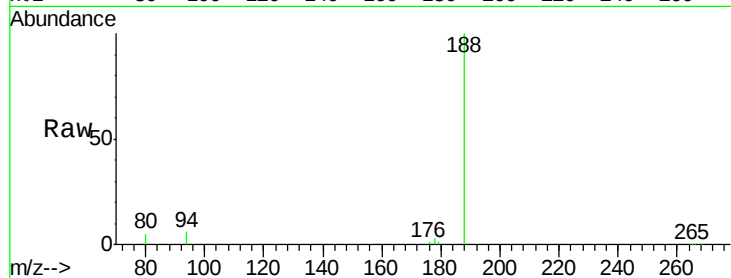
#15  
 Anthracene  
 Concen: 0.05 ng/ul  
 RT: 17.33 min Scan# 1039  
 Delta R.T. -0.00 min  
 Lab File: BM004733.D  
 Acq: 22 Mar 2016 18:43

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4T12

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 32.2  | 14.0  | 21.0# |
| 179     | 34.5  | 12.9  | 19.3# |

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#17  
 Fluoranthene  
 Concen: 0.02 ng/ul  
 RT: 19.27 min Scan# 1158  
 Delta R.T. -0.00 min  
 Lab File: BM004733.D  
 Acq: 22 Mar 2016 18:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 29.1  | 0.0   | 29.6  |
| 203     | 33.1  | 0.0   | 36.3  |

