

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121216\  
 Data File : BM008264.D  
 Acq On : 12 Dec 2016 15:32  
 Operator : UM/SJ  
 Sample : H5905-21RE  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA820RE

Manual Integrations  
 APPROVED

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Quant Time: Dec 13 02:59:57 2016  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 13 02:27:35 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.68  | 152  | 740      | 0.40   | ng/ul  | -0.02    |
| 2) Naphthalene-d8           | 10.46 | 136  | 2393     | 0.40   | ng/ul  | -0.01    |
| 6) Acenaphthene-d10         | 14.30 | 164  | 3580     | 0.40   | ng/ul  | -0.03    |
| 10) Phenanthrene-d10        | 17.07 | 188  | 3982m    | 0.40   | ng/ul  | -0.02    |
| 16) Chrysene-d12            | 21.27 | 240  | 2090     | 0.40   | ng/ul  | -0.01    |
| 20) Perylene-d12            | 23.50 | 264  | 1767     | 0.40   | ng/ul  | -0.01    |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.05 | 152  | 1540     | 0.45   | ng/ul  | -0.02    |
| 14) Fluoranthene-d10        | 19.11 | 212  | 3651m    | 0.32   | ng/ul  | -0.01    |
| Target Compounds            |       |      |          |        |        |          |
| 3) Naphthalene              | 10.50 | 128  | 348829   | 52.13  | ng/ul# | 94       |
| 5) 2-Methylnaphthalene      | 12.13 | 142  | 615100   | 142.59 | ng/ul  | 99       |
| 7) Acenaphthylene           | 14.04 | 152  | 11913    | 0.74   | ng/ul# | 4        |
| 8) Acenaphthene             | 14.38 | 153  | 35192    | 2.85   | ng/ul  | 98       |
| 9) Fluorene                 | 15.38 | 166  | 76689    | 5.41   | ng/ul  | 86       |
| 12) Phenanthrene            | 17.11 | 178  | 29132    | 2.35   | ng/ul# | 95       |
| 13) Anthracene              | 17.21 | 178  | 6895m    | 0.59   | ng/ul  |          |
| 15) Fluoranthene            | 19.14 | 202  | 3234m    | 0.20   | ng/ul  |          |
| 17) Pyrene                  | 19.51 | 202  | 3820     | 0.53   | ng/ul# | 83       |

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

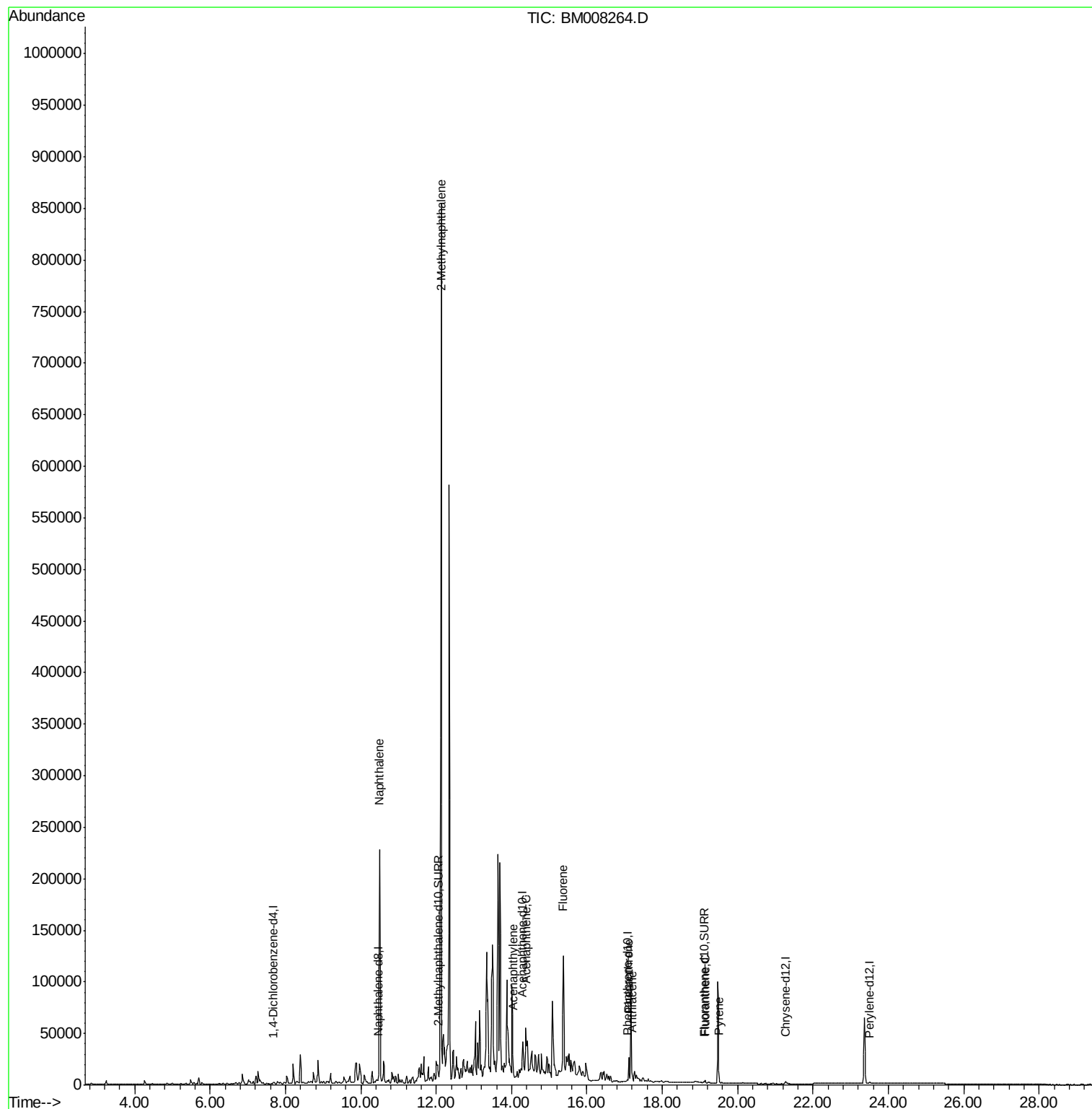
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121216\  
Data File : BM008264.D  
Acq On : 12 Dec 2016 15:32  
Operator : UM/SJ  
Sample : H5905-21RE  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

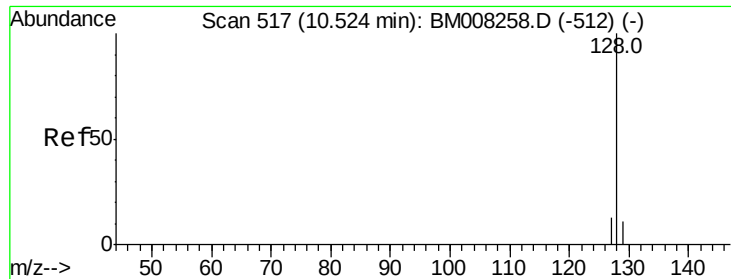
Instrument :  
BNA\_M  
ClientSampleId :  
DA820RE

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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M  
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QLast Update : Tue Dec 13 02:27:35 2016  
Response via : Initial Calibration





#3

Naphthalene

Concen: 52.13 ng/ul

RT: 10.50 min Scan# 515

Delta R.T. -0.02 min

Lab File: BM008264.D

Acq: 12 Dec 2016 15:32

Instrument :

BNA\_M

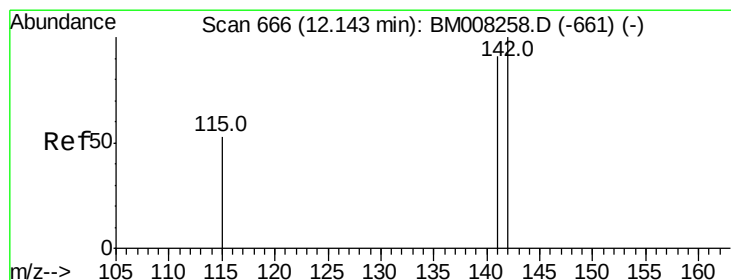
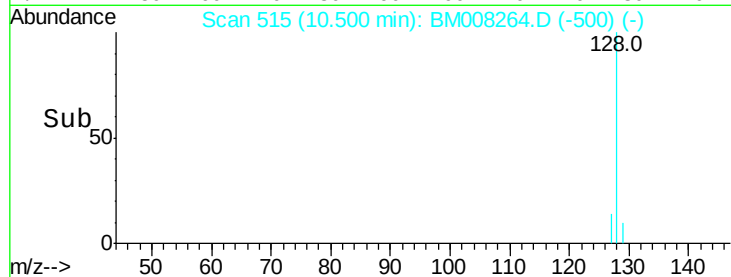
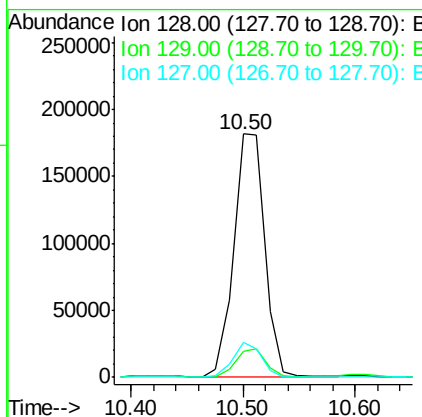
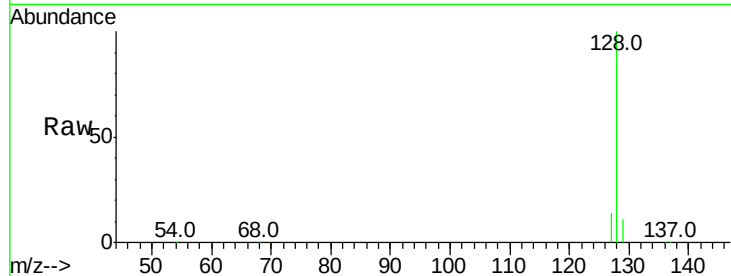
ClientSampleId :

DA820RE

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 348829 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 129       | 10.6  | 11.3  | 16.9#  |
| 127       | 14.3  | 12.8  | 19.2   |

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#5

2-Methylnaphthalene

Concen: 142.59 ng/ul

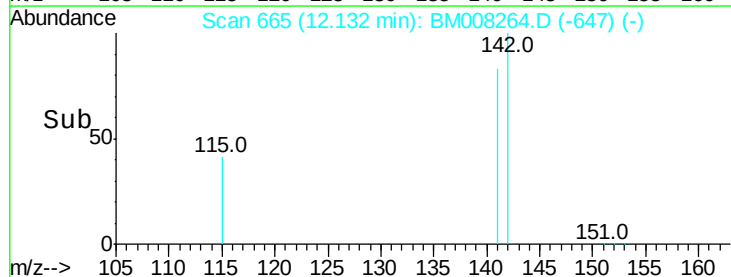
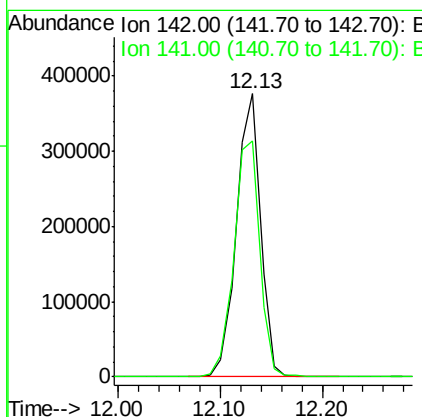
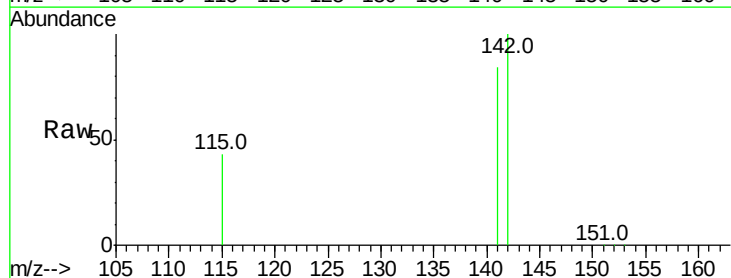
RT: 12.13 min Scan# 665

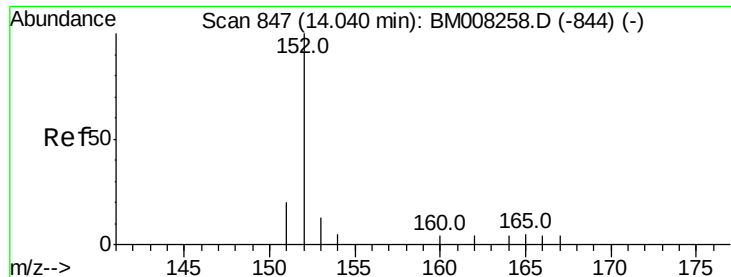
Delta R.T. -0.01 min

Lab File: BM008264.D

Acq: 12 Dec 2016 15:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 615100 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 141       | 89.3  | 72.6  | 108.8  |





#7

Acenaphthylene

Concen: 0.74 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM008264.D

Acq: 12 Dec 2016 15:32

Instrument :

BNA\_M

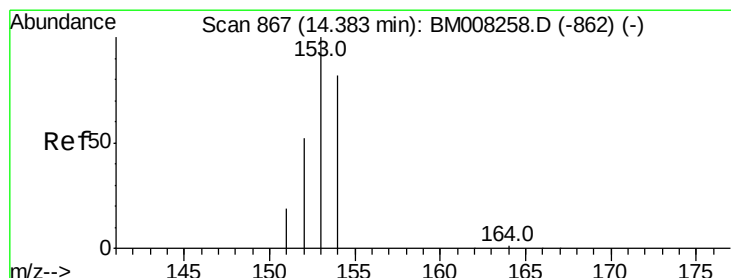
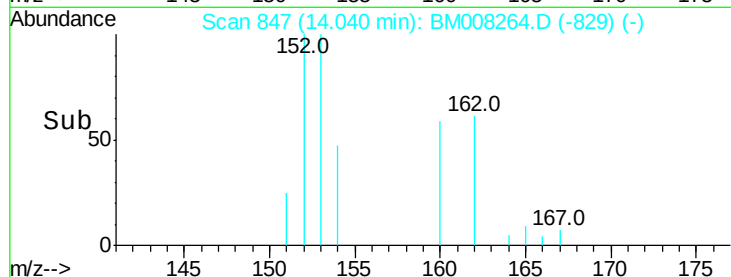
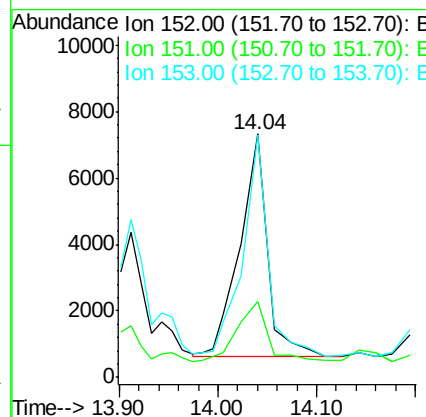
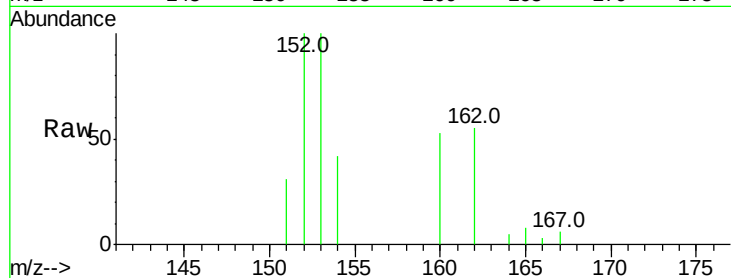
ClientSampleId :

DA820RE

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 11913 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 31.2  | 17.1  | 25.7# |
| 153       | 99.7  | 12.8  | 19.2# |

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#8

Acenaphthene

Concen: 2.85 ng/ul

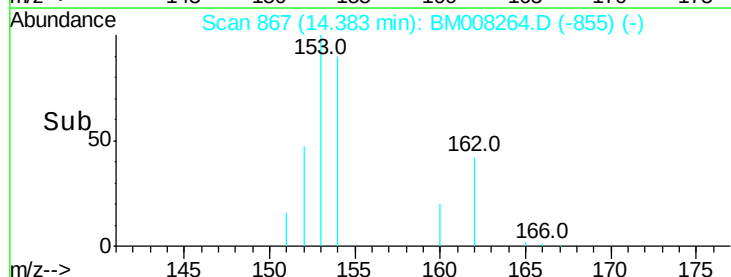
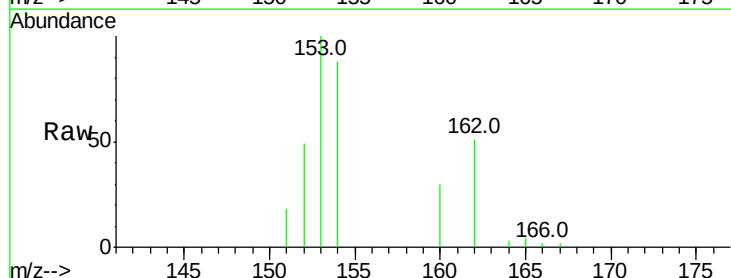
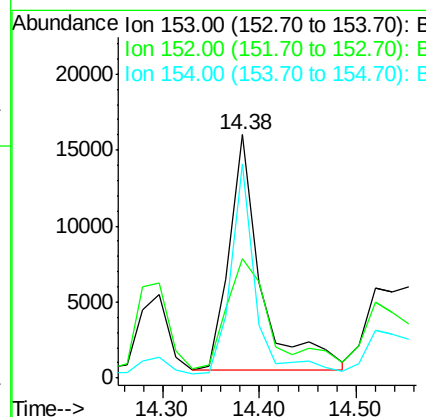
RT: 14.38 min Scan# 867

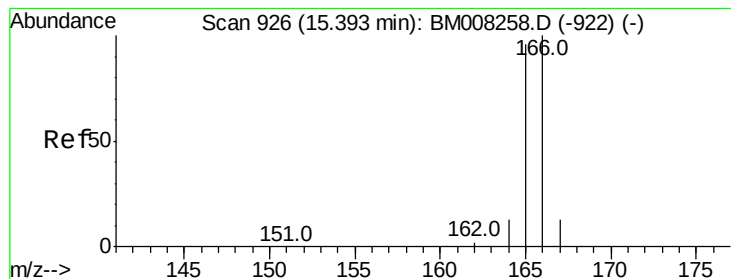
Delta R.T. -0.00 min

Lab File: BM008264.D

Acq: 12 Dec 2016 15:32

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 153   | Resp: | 35192 |
| Ion Ratio | Lower | Upper |       |
| 153       | 100   |       |       |
| 152       | 49.2  | 40.3  | 60.5  |
| 154       | 88.0  | 71.4  | 107.2 |





#9

Fluorene

Concen: 5.41 ng/ul

RT: 15.38 min Scan# 925

Delta R.T. -0.02 min

Lab File: BM008264.D

Acq: 12 Dec 2016 15:32

Instrument :

BNA\_M

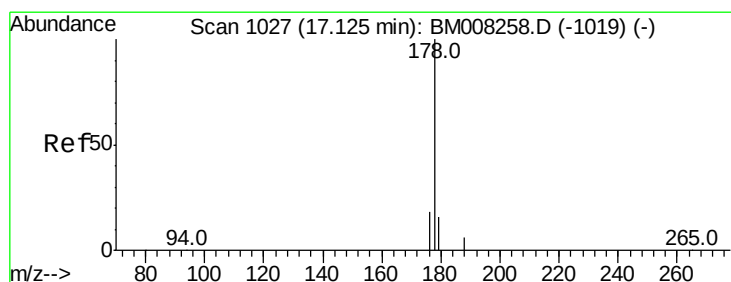
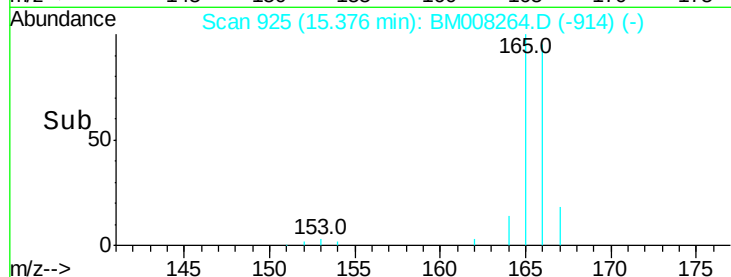
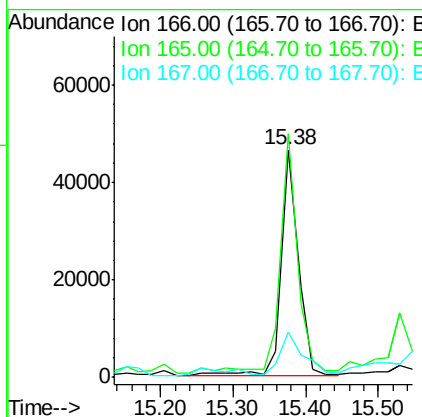
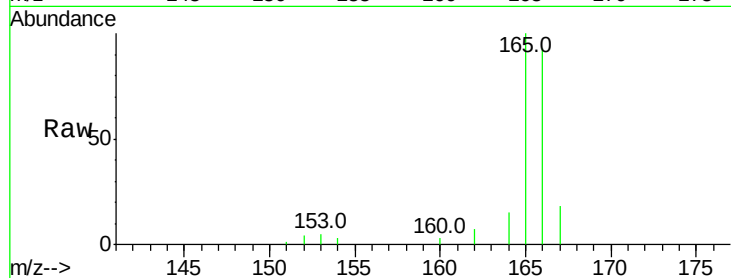
ClientSampleId :

DA820RE

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 166   | Resp: | 76689 |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 107.0 | 73.4  | 110.2 |
| 167       | 19.7  | 14.6  | 22.0  |

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#12

Phenanthrene

Concen: 2.35 ng/ul

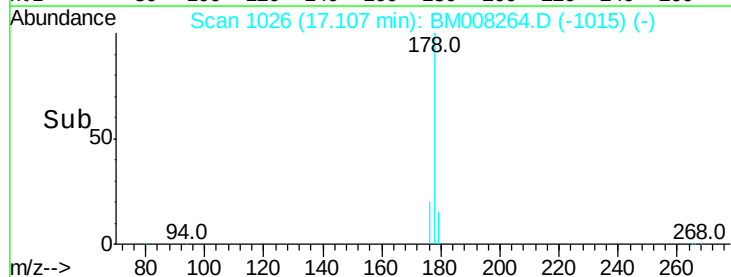
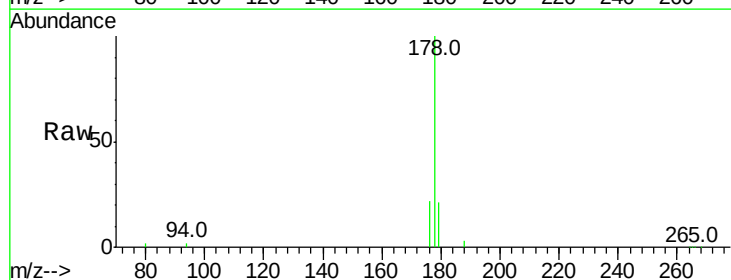
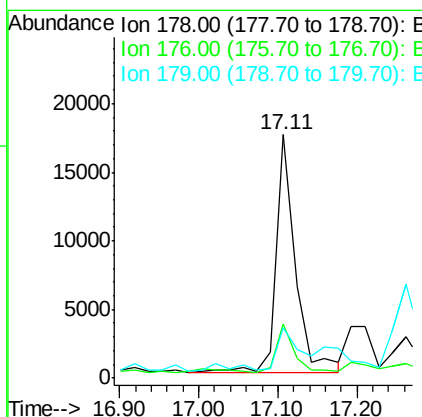
RT: 17.11 min Scan# 1026

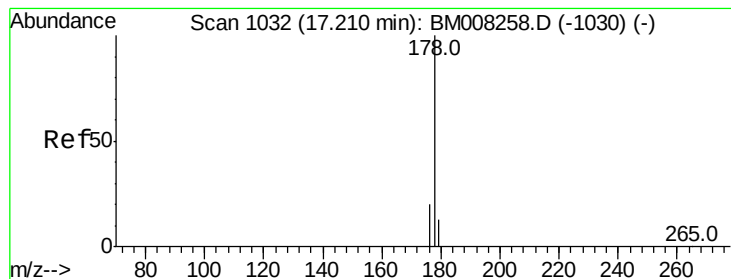
Delta R.T. -0.02 min

Lab File: BM008264.D

Acq: 12 Dec 2016 15:32

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 29132 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 22.1  | 18.4  | 27.6  |
| 179       | 20.5  | 13.6  | 20.4# |





#13

Anthracene

Concen: 0.59 ng/ul m

RT: 17.21 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BM008264.D

Acq: 12 Dec 2016 15:32

Instrument :

BNA\_M

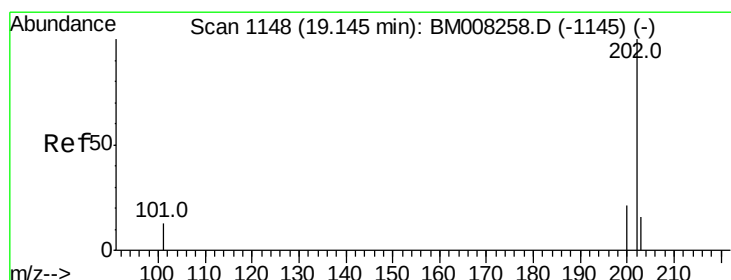
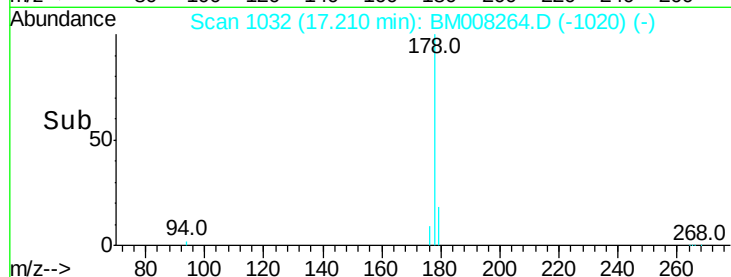
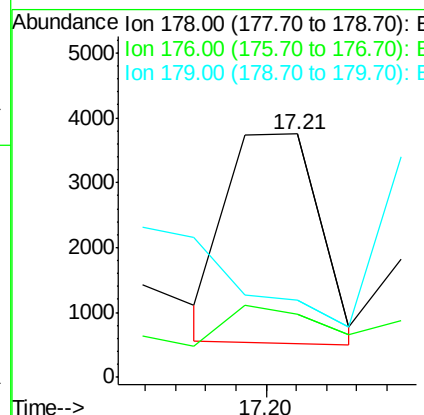
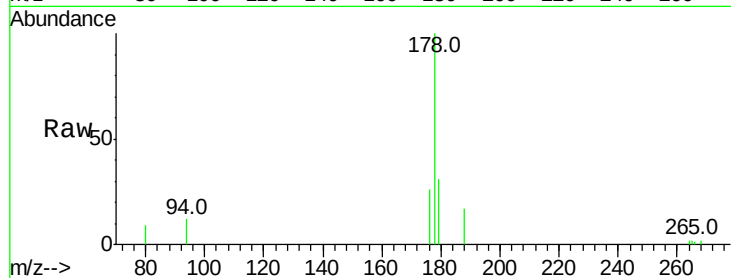
ClientSampleId :

DA820RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 26.0  | 18.1  | 27.1  |
| 179     | 31.5  | 14.7  | 22.1# |

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#15

Fluoranthene

Concen: 0.20 ng/ul m

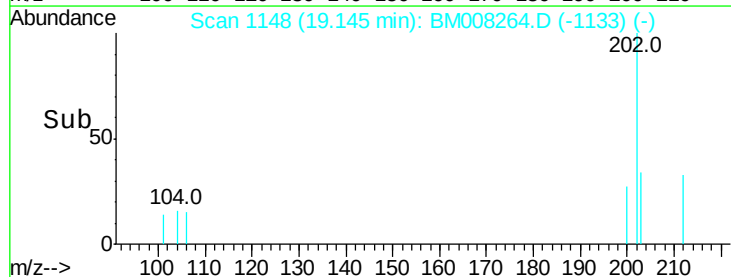
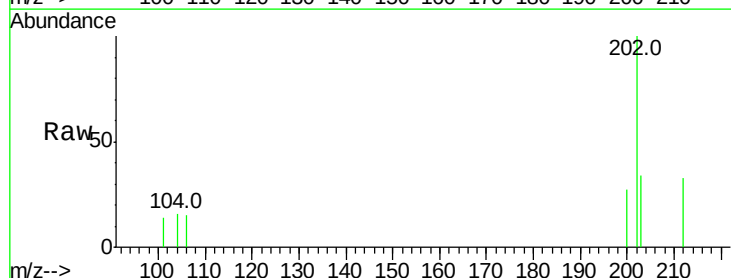
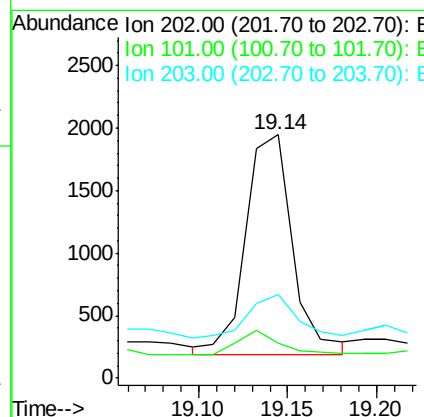
RT: 19.14 min Scan# 1148

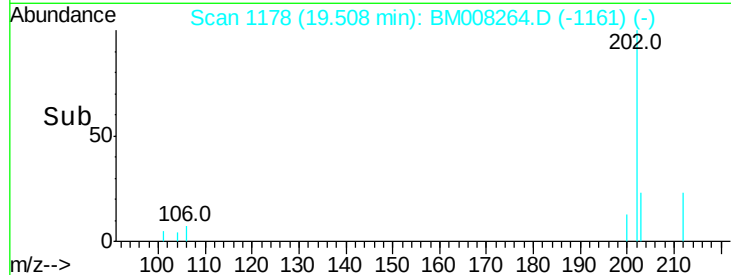
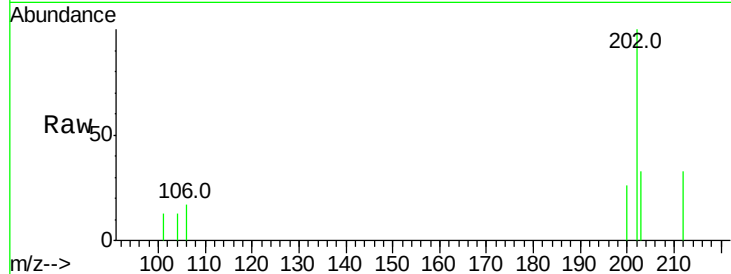
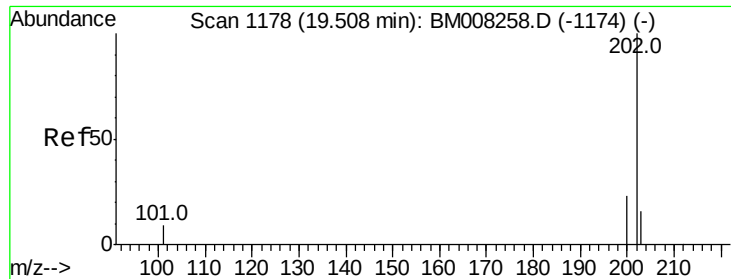
Delta R.T. -0.00 min

Lab File: BM008264.D

Acq: 12 Dec 2016 15:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 14.3  | 0.0   | 30.3  |
| 203     | 34.4  | 0.0   | 39.5  |





#17  
 Pvrene  
 Concen: 0.53 ng/ul  
 RT: 19.51 min Scan# 1178  
 Delta R.T. -0.00 min  
 Lab File: BM008264.D  
 Acq: 12 Dec 2016 15:32

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA820RE

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 202   | Resp: | 3820 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 200       | 26.1  | 18.2  | 27.4 |
| 203       | 32.9  | 15.6  | 23.4 |

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