

Data Path : Z:\HPCHEM1\BNA M\DATA\BM123015\  
 Data File : BM003844.D  
 Acq On : 29 Dec 2015 00:33  
 Operator : SJ/UM  
 Sample : G4848-10  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9N56

Manual Integrations  
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Quant Time: Dec 29 15:01:16 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM121515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 29 07:09:39 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.68  | 152  | 3913     | 0.40   | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.46 | 136  | 17329    | 0.40   | ng/ul  | -0.01    |
| 8) Acenaphthene-d10         | 14.33 | 164  | 10465    | 0.40   | ng/ul  | 0.00     |
| 12) Phenanthrene-d10        | 17.07 | 188  | 23116m   | 0.40   | ng/ul  | 0.00     |
| 18) Chrysene-d12            | 21.29 | 240  | 19905    | 0.40   | ng/ul  | 0.00     |
| 22) Perylene-d12            | 23.52 | 264  | 13207m   | 0.40   | ng/ul  | -0.01    |
| System Monitoring Compounds |       |      |          |        |        |          |
| 2) 1,4-Dioxane-d8           | 3.14  | 96   | 18447    | 11.03  | ng/uL  | -0.02    |
| 6) 2-Methylnaphthalene-d10  | 12.07 | 152  | 7586     | 0.37   | ng/ul  | 0.00     |
| 16) Fluoranthene-d10        | 19.11 | 212  | 19778m   | 0.40   | ng/ul  | -0.01    |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 5) Naphthalene              | 10.51 | 128  | 23235    | 0.60   | ng/ul  | 97       |
| 7) 2-Methylnaphthalene      | 12.13 | 142  | 8696     | 0.33   | ng/ul  | 99       |
| 10) Acenaphthene            | 14.38 | 153  | 15494    | 0.48   | ng/ul# | 81       |
| 11) Fluorene                | 15.39 | 166  | 16164m   | 0.45   | ng/ul  |          |
| 14) Phenanthrene            | 17.11 | 178  | 76179m   | 1.28   | ng/ul  |          |
| 17) Fluoranthene            | 19.15 | 202  | 41341    | 0.64   | ng/ul  | 93       |
| 19) Pyrene                  | 19.51 | 202  | 30722    | 0.57   | ng/ul  | 94       |
| 20) Benzo(a)anthracene      | 21.27 | 228  | 5674     | 0.12   | ng/ul  | 94       |
| 21) Chrysene                | 21.32 | 228  | 4593     | 0.08   | ng/ul  | 93       |

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

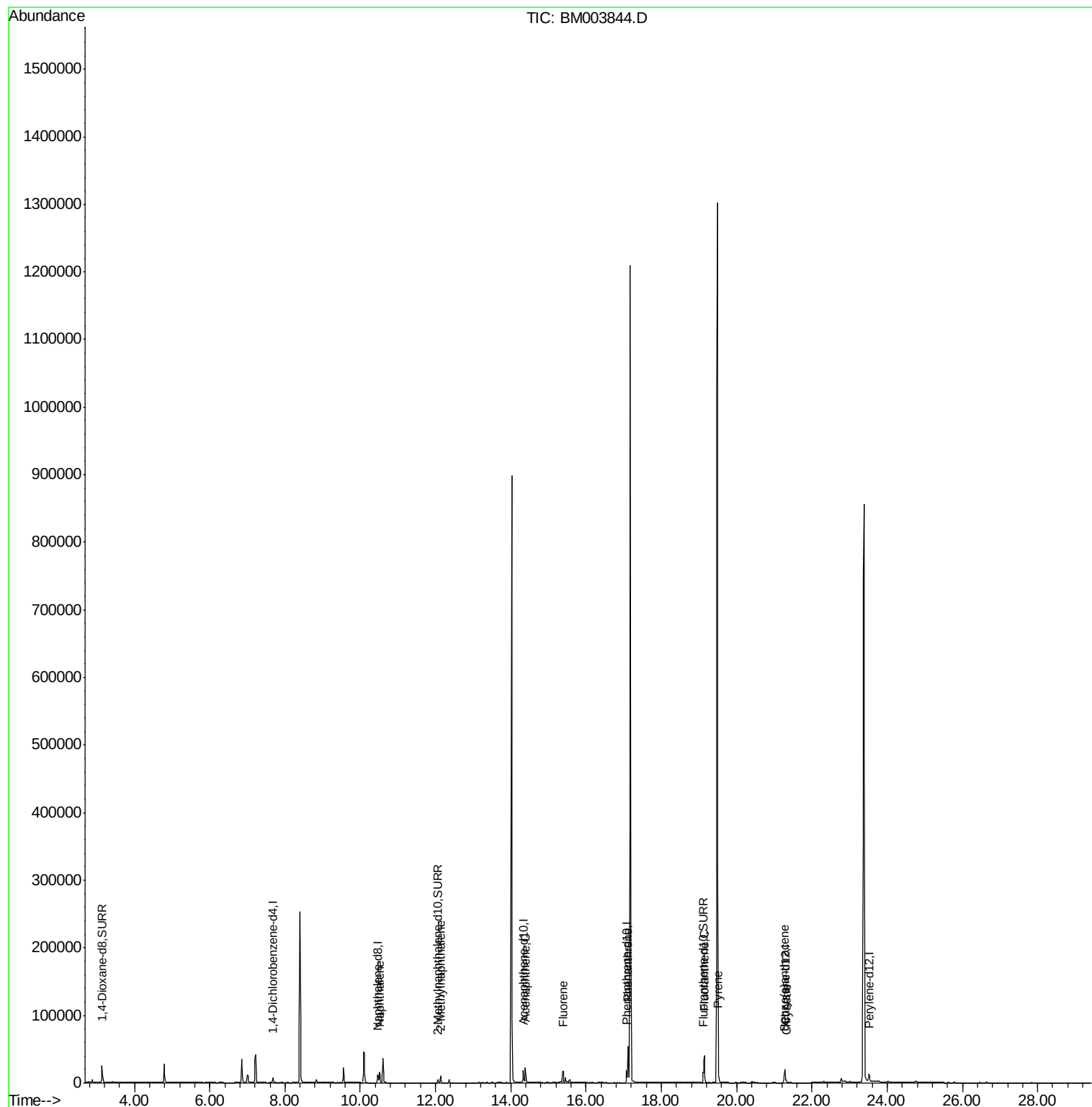
Data Path : Z:\HPCHEM1\BNA M\DATA\BM123015\  
Data File : BM003844.D  
Acq On : 29 Dec 2015 00:33  
Operator : SJ/UM  
Sample : G4848-10  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

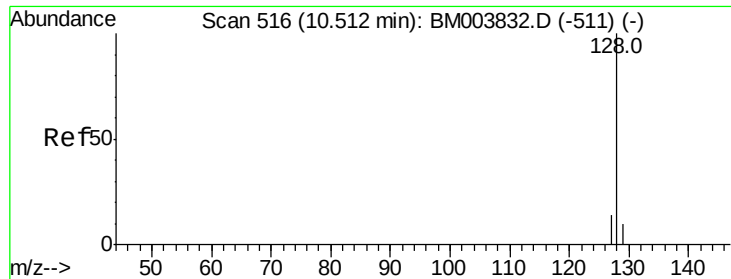
Instrument :  
BNA\_M  
ClientSampleId :  
D9N56

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Quant Time: Dec 29 15:01:16 2015  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM121515.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 29 07:09:39 2015  
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.60 ng/ul

RT: 10.51 min Scan# 516

Delta R.T. -0.00 min

Lab File: BM003844.D

Acq: 29 Dec 2015 00:33

Instrument :

BNA\_M

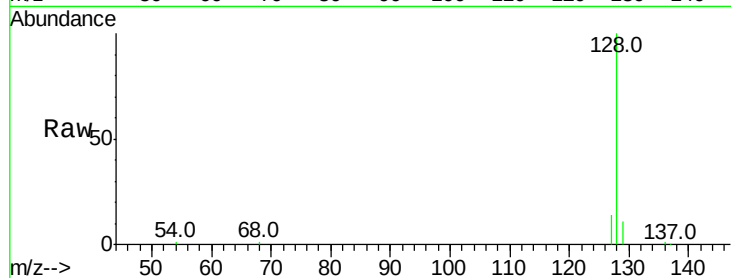
ClientSampleId :

D9N56

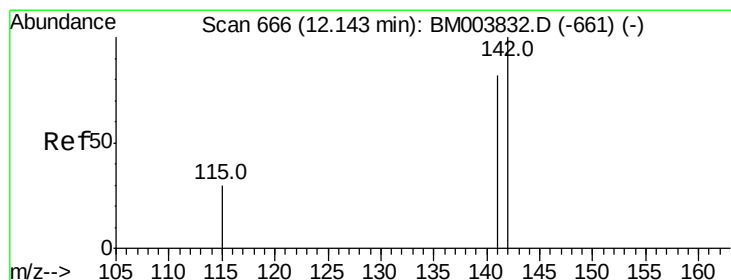
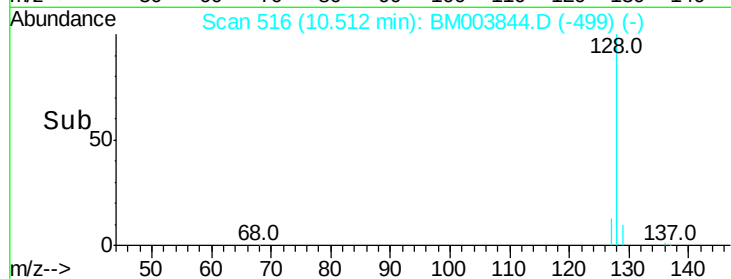
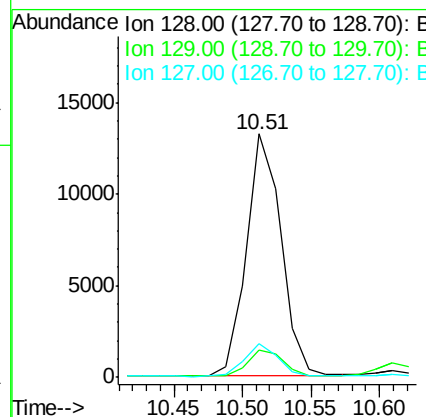
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|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 128   | Resp: | 23235 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 11.1  | 9.0   | 13.6  |
| 127       | 13.7  | 9.6   | 14.4  |



#7

2-Methylnaphthalene

Concen: 0.33 ng/ul

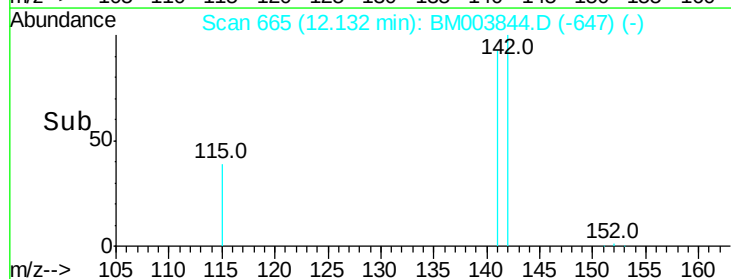
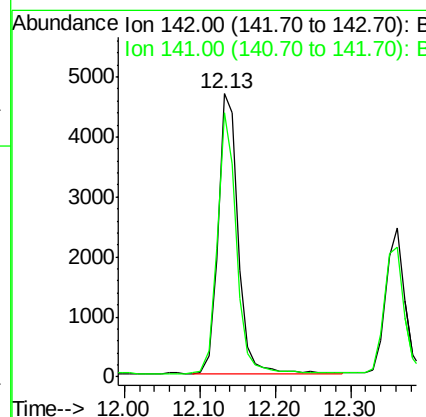
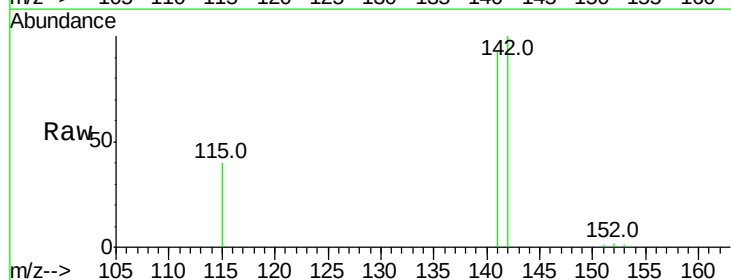
RT: 12.13 min Scan# 665

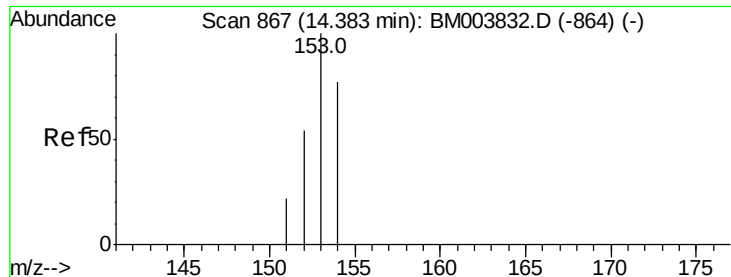
Delta R.T. -0.01 min

Lab File: BM003844.D

Acq: 29 Dec 2015 00:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 8696  |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 88.7  | 70.3  | 105.5 |





#10

Acenaphthene

Concen: 0.48 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.00 min

Lab File: BM003844.D

Acq: 29 Dec 2015 00:33

Instrument :

BNA\_M

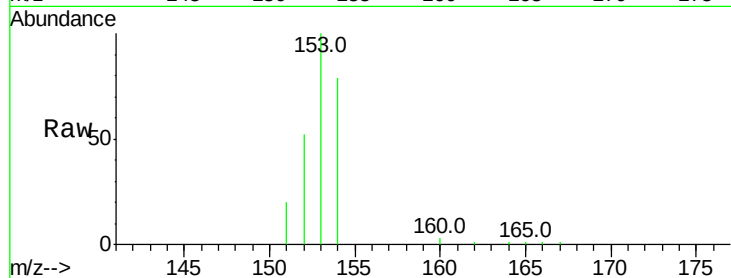
ClientSampleId :

D9N56

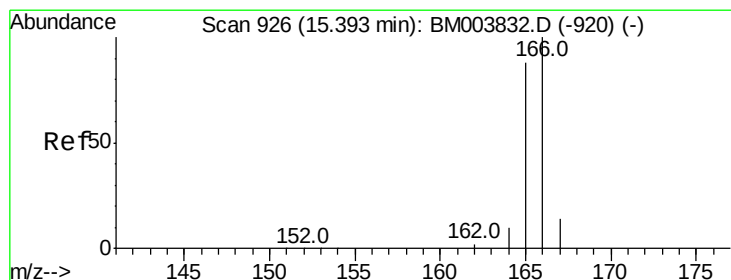
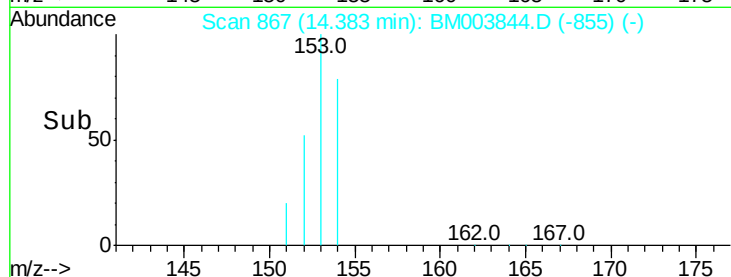
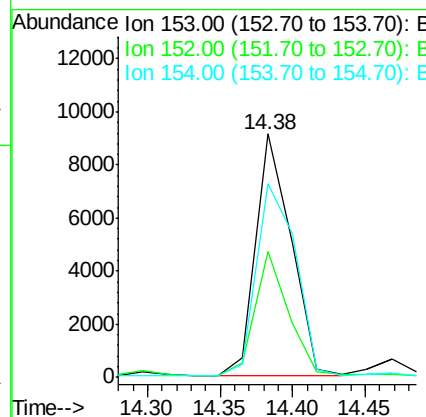
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|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 153   | Resp: | 15494  |
| Ion Ratio | Lower | Upper |        |
| 153       | 100   |       |        |
| 152       | 51.9  | 33.9  | 50.9#  |
| 154       | 79.5  | 80.6  | 121.0# |



#11

Fluorene

Concen: 0.45 ng/ul m

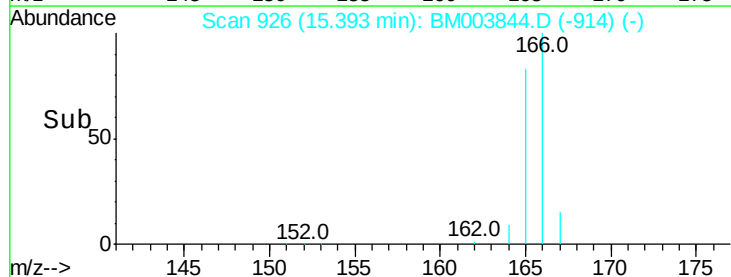
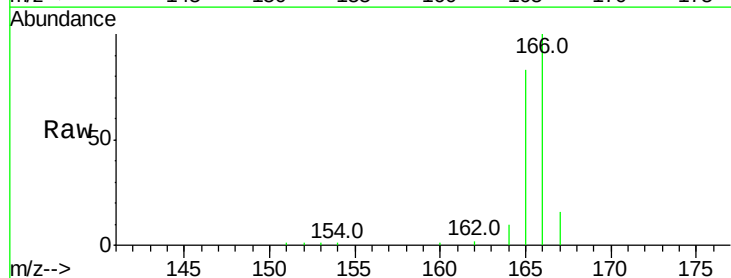
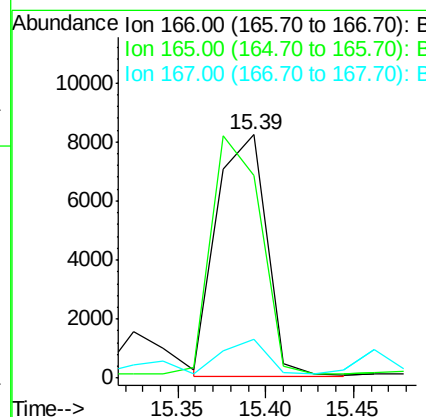
RT: 15.39 min Scan# 926

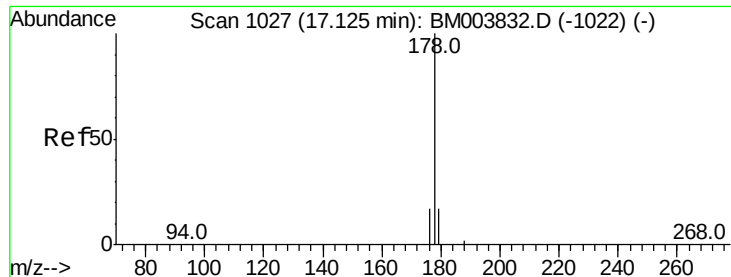
Delta R.T. -0.00 min

Lab File: BM003844.D

Acq: 29 Dec 2015 00:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 16164 |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 83.0  | 69.6  | 104.4 |
| 167       | 15.8  | 11.9  | 17.9  |





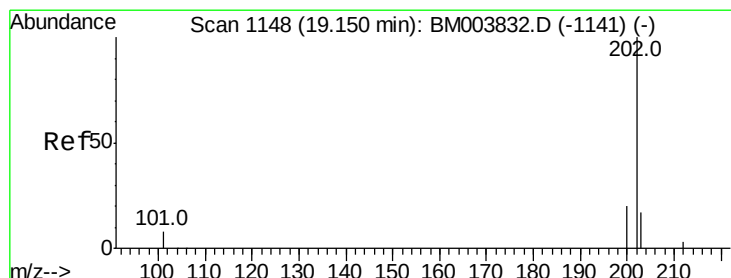
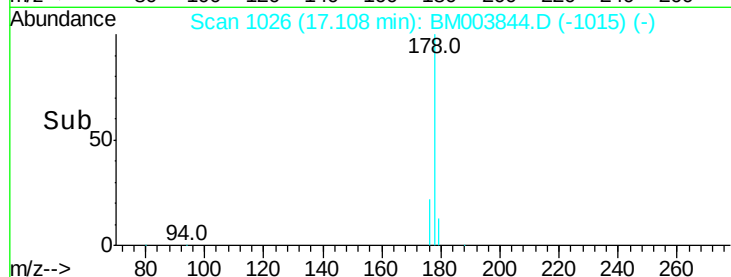
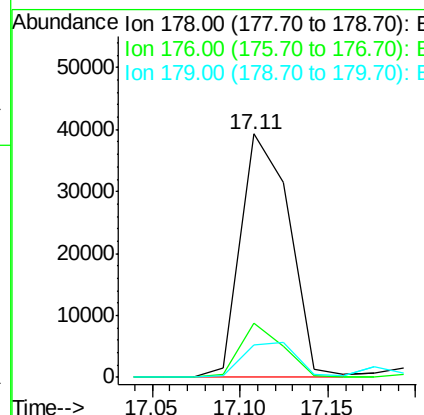
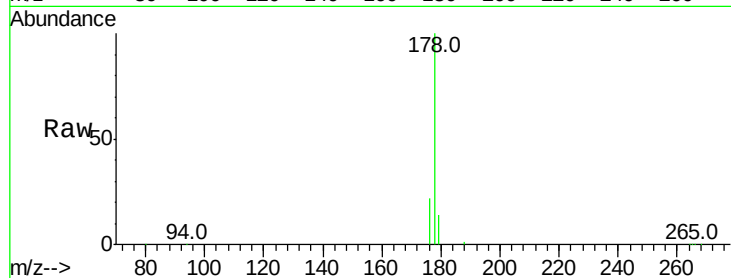
#14  
Phenanthrene  
Concen: 1.28 ng/ul m  
RT: 17.11 min Scan# 1026  
Delta R.T. -0.02 min  
Lab File: BM003844.D  
Acq: 29 Dec 2015 00:33

Instrument :  
BNA\_M  
ClientSampleId :  
D9N56

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 22.0  | 13.0  | 19.4# |
| 179     | 13.5  | 14.2  | 21.2# |

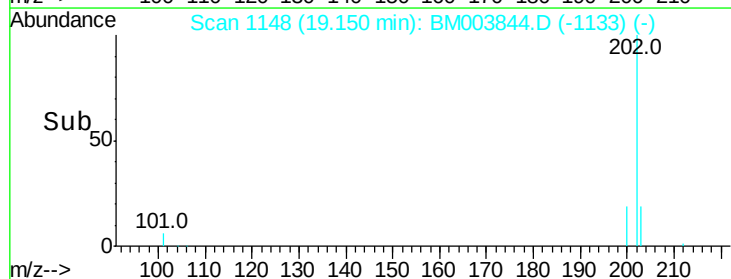
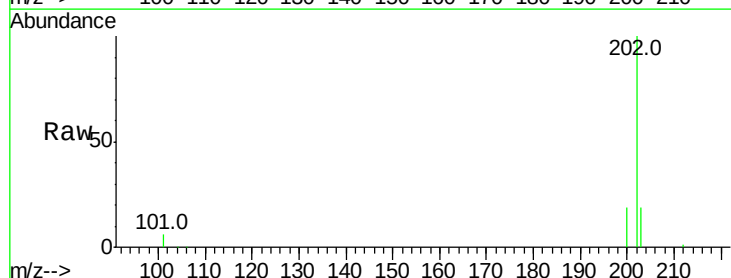
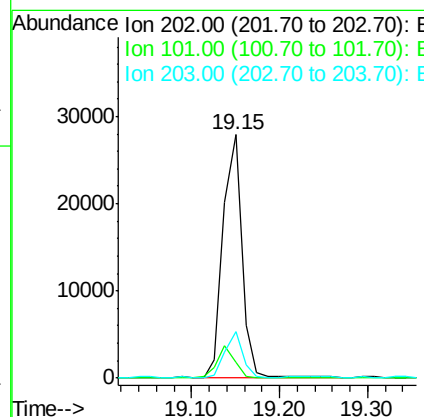
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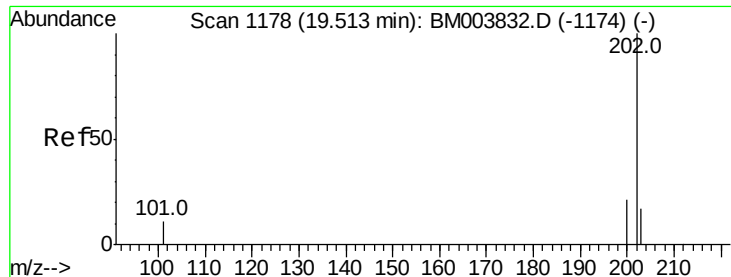
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#17  
Fluoranthene  
Concen: 0.64 ng/ul  
RT: 19.15 min Scan# 1148  
Delta R.T. -0.00 min  
Lab File: BM003844.D  
Acq: 29 Dec 2015 00:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 6.3   | 0.0   | 29.6  |
| 203     | 19.0  | 0.0   | 36.3  |





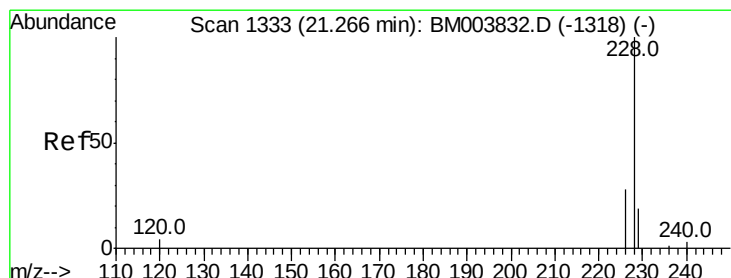
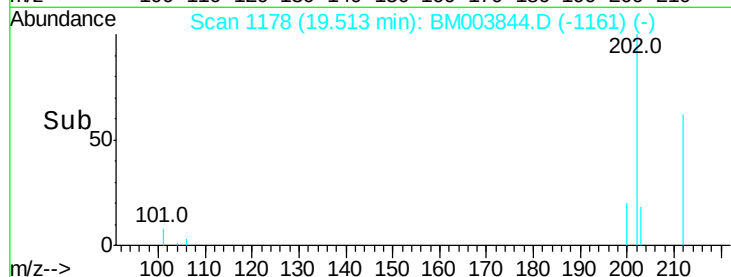
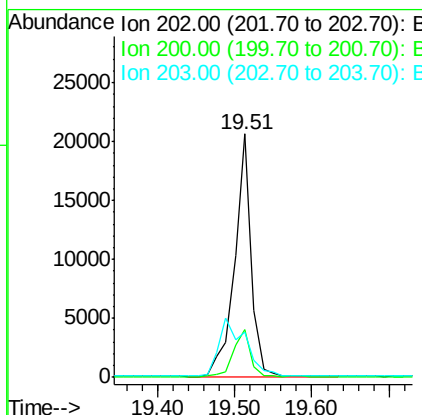
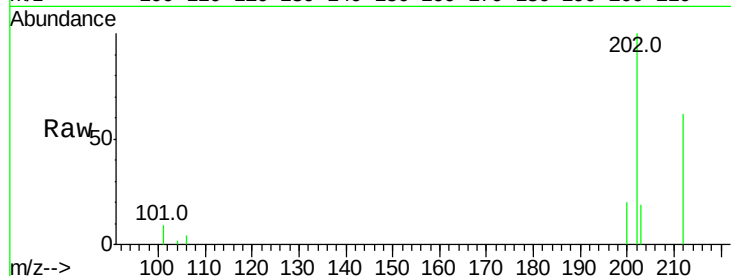
#19  
Pvrene  
Concen: 0.57 ng/ul  
RT: 19.51 min Scan# 1178  
Delta R.T. -0.00 min  
Lab File: BM003844.D  
Acq: 29 Dec 2015 00:33

Instrument :  
BNA\_M  
ClientSampleId :  
D9N56

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 19.8  | 17.8  | 26.8  |
| 203     | 18.7  | 12.8  | 19.2  |

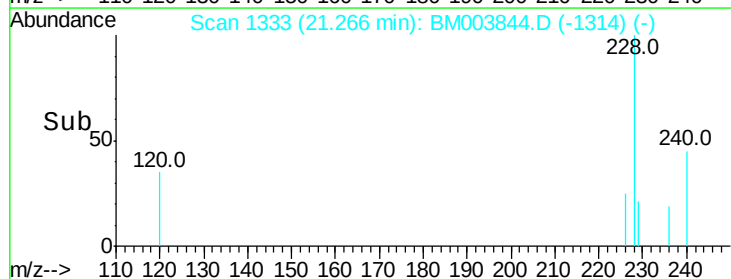
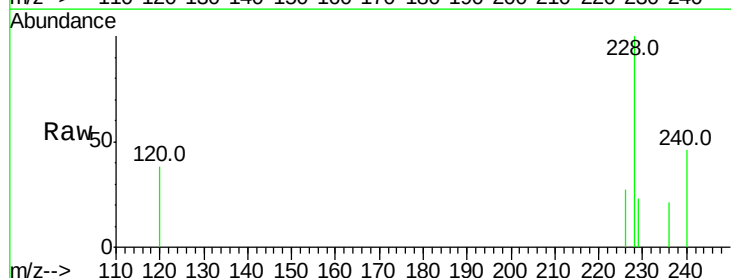
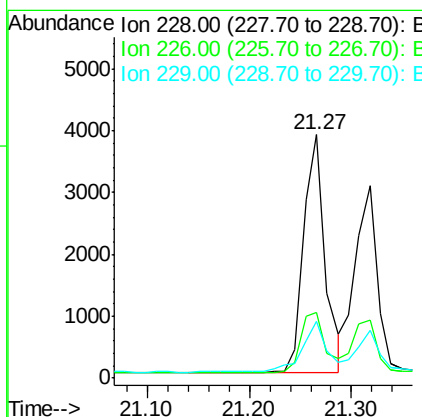
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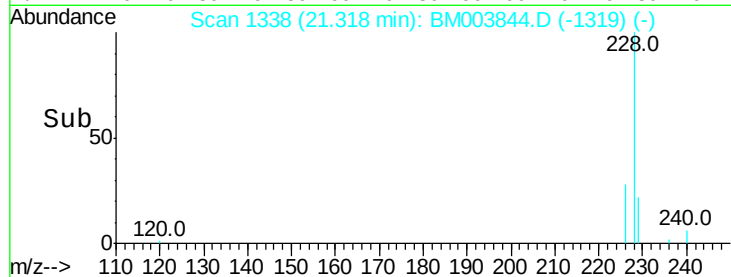
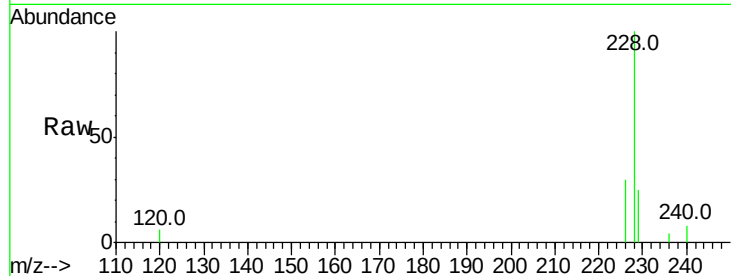
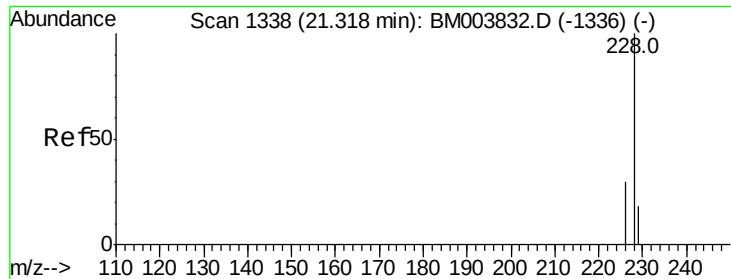
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#20  
Benzo(a)anthracene  
Concen: 0.12 ng/ul  
RT: 21.27 min Scan# 1333  
Delta R.T. -0.00 min  
Lab File: BM003844.D  
Acq: 29 Dec 2015 00:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 26.9  | 18.8  | 28.2  |
| 229     | 23.4  | 17.1  | 25.7  |





#21

Chrysene

Concen: 0.08 ng/ul

RT: 21.32 min Scan# 1338

Delta R.T. -0.00 min

Lab File: BM003844.D

Acq: 29 Dec 2015 00:33

Instrument :

BNA\_M

ClientSampleId :

D9N56

Tot Ion: 228 Resp: 4593

Ion Ratio Lower Upper

228 100

226 30.1 21.2 31.8

229 25.0 17.0 25.6

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