

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM051815\  
 Data File : BM001335.D  
 Acq On : 18 May 2015 18:01  
 Operator : TP/IZ  
 Sample : G2274-04  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 051315-P03-E-U-M

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Quant Time: May 19 11:46:22 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SIMPAH-BM051315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 19 02:11:49 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.43  | 152  | 12899    | 5.00 | ng    | 0.00     |
| 6) Naphthalene-d8           | 10.22 | 136  | 46877    | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10        | 14.12 | 164  | 25364    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10        | 16.85 | 188  | 72589    | 5.00 | ng    | 0.00     |
| 24) Chrysene-d12            | 21.07 | 240  | 40705    | 5.00 | ng    | -0.01    |
| 30) Perylene-d12            | 23.17 | 264  | 36604    | 5.00 | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |      |       |          |
| 4) 2-Fluorophenol           | 5.02  | 112  | 4214     | 1.68 | ng    | 0.00     |
| 5) Phenol-d6                | 6.63  | 99   | 3351     | 1.18 | ng    | 0.00     |
| 7) Nitrobenzene-d5          | 8.60  | 82   | 6949     | 2.41 | ng    | 0.00     |
| 13) 2,4,6-Tribromophenol    | 15.60 | 330  | 2483     | 2.92 | ng    | -0.03    |
| 14) 2-Fluorobiphenyl        | 12.73 | 172  | 24792    | 3.15 | ng    | 0.00     |
| 26) Terphenyl-d14           | 19.51 | 244  | 24256    | 4.44 | ng    | 0.00     |

| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

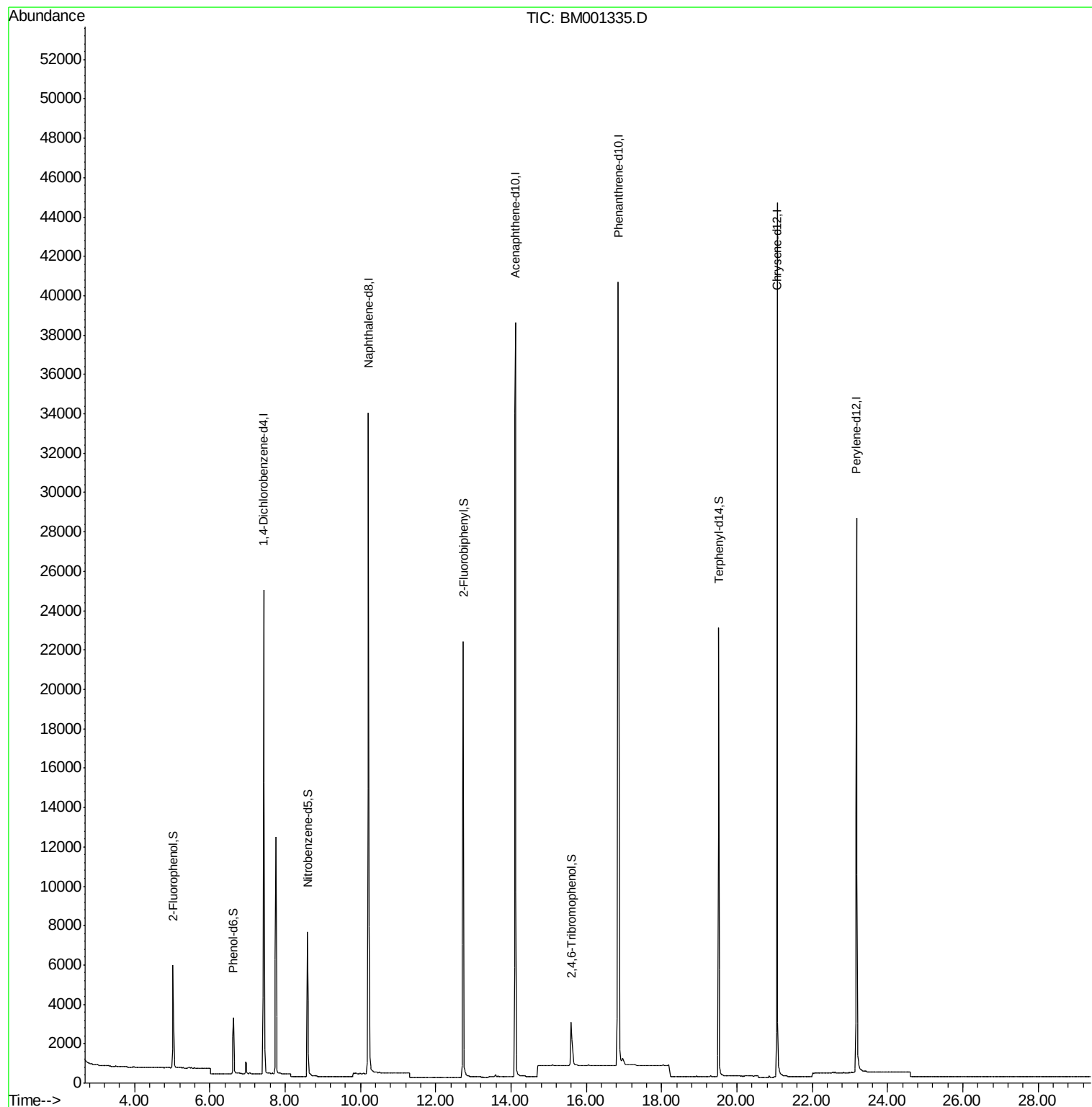
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM051815\  
Data File : BM001335.D  
Acq On : 18 May 2015 18:01  
Operator : TP/IZ  
Sample : G2274-04  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

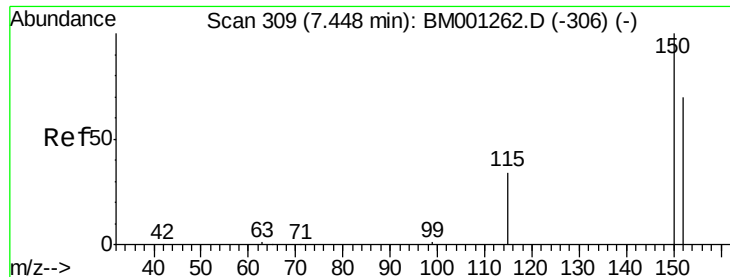
Instrument :  
BNA\_M  
ClientSampleId :  
051315-P03-E-U-M

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Quant Time: May 19 11:46:22 2015  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SIMPAH-BM051315.M  
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QLast Update : Tue May 19 02:11:49 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.43 min Scan# 308

Delta R.T. -0.00 min

Lab File: BM001335.D

Acq: 18 May 2015 18:01

Instrument :

BNA\_M

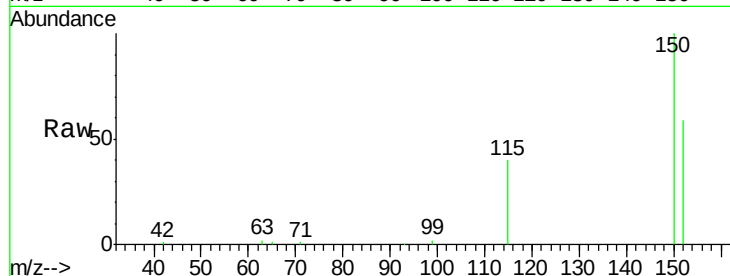
ClientSampleId :

051315-P03-E-U-M

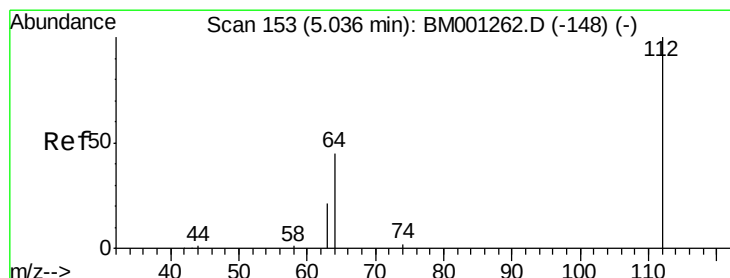
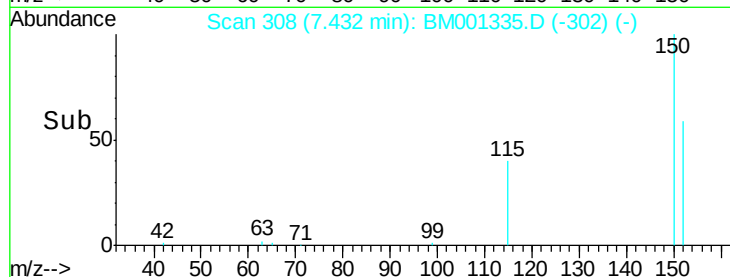
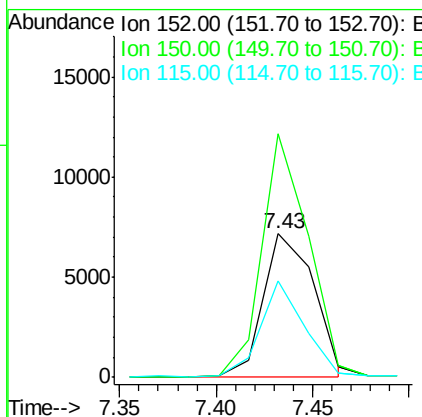
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|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 12899 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 150       | 169.5 | 114.6 | 172.0 |
| 115       | 67.5  | 39.3  | 58.9# |



#4

2-Fluorophenol

Concen: 1.68 ng

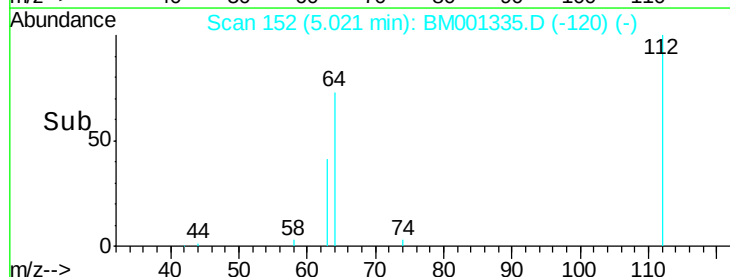
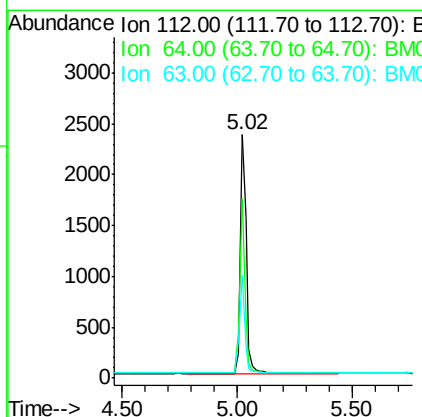
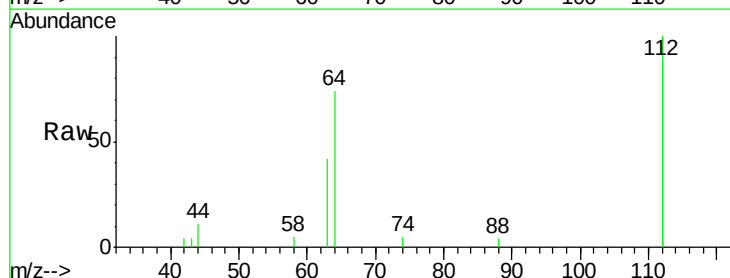
RT: 5.02 min Scan# 152

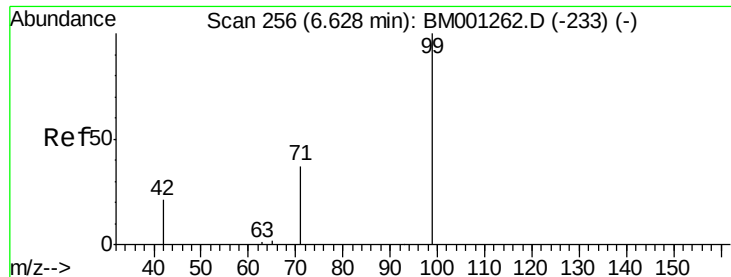
Delta R.T. -0.00 min

Lab File: BM001335.D

Acq: 18 May 2015 18:01

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 112   | Resp: | 4214 |
| Ion Ratio | Lower | Upper |      |
| 112       | 100   |       |      |
| 64        | 63.7  | 50.8  | 76.2 |
| 63        | 36.6  | 28.2  | 42.4 |





#5

Phenol-d6

Concen: 1.18 ng

RT: 6.63 min Scan# 256

Delta R.T. -0.00 min

Lab File: BM001335.D

Acq: 18 May 2015 18:01

Instrument :

BNA\_M

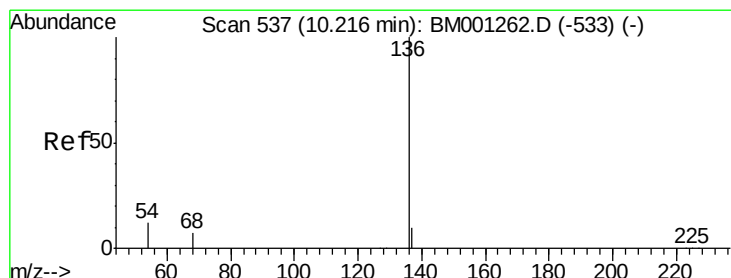
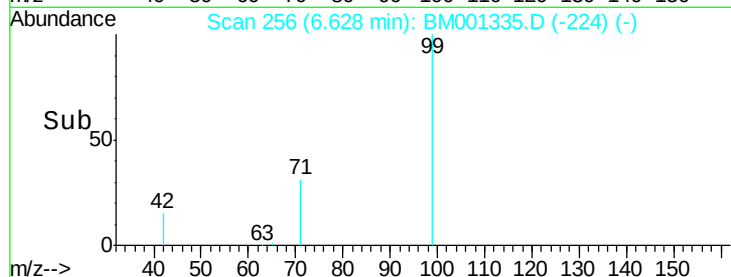
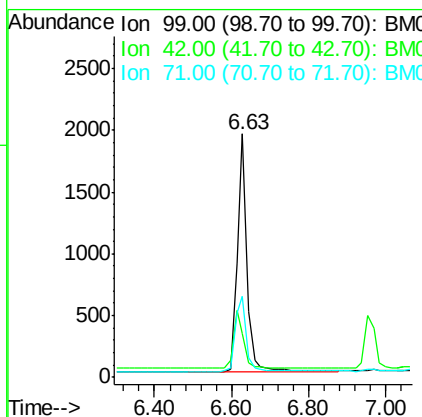
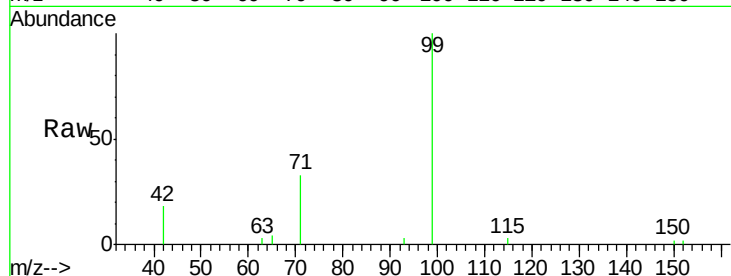
ClientSampleId :

051315-P03-E-U-M

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 99    | Resp: | 3351 |
| Ion Ratio | Lower | Upper |      |
| 99        | 100   |       |      |
| 42        | 24.7  | 19.9  | 29.9 |
| 71        | 36.5  | 28.0  | 42.0 |

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#6

Naphthalene-d8

Concen: 5.00 ng

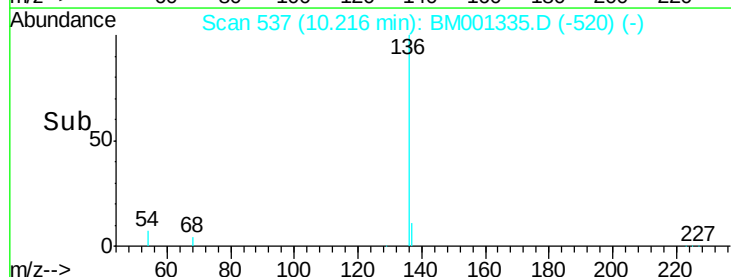
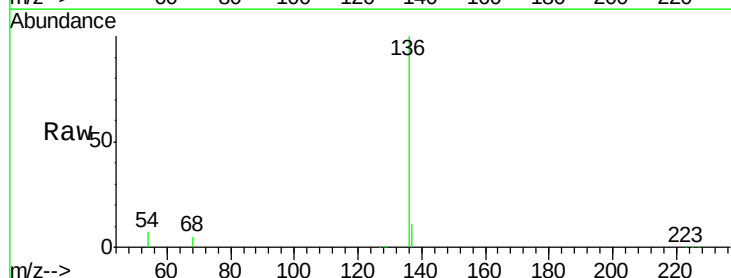
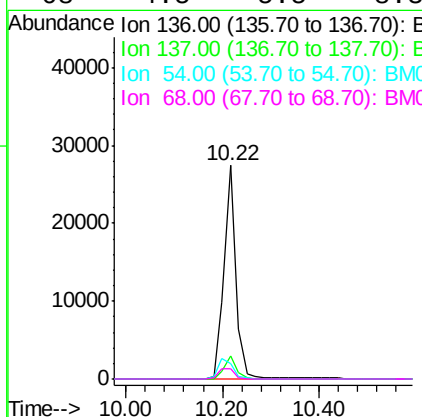
RT: 10.22 min Scan# 537

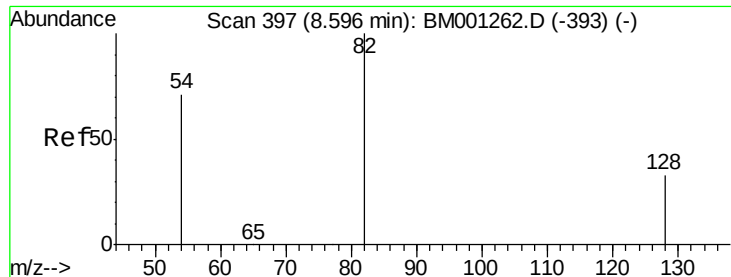
Delta R.T. 0.00 min

Lab File: BM001335.D

Acq: 18 May 2015 18:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 46877 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.1  | 8.2   | 12.4  |
| 54        | 7.4   | 9.5   | 14.3# |
| 68        | 4.5   | 5.5   | 8.3#  |





#7

Nitrobenzene-d5

Concen: 2.41 ng

RT: 8.60 min Scan# 397

Delta R.T. -0.00 min

Lab File: BM001335.D

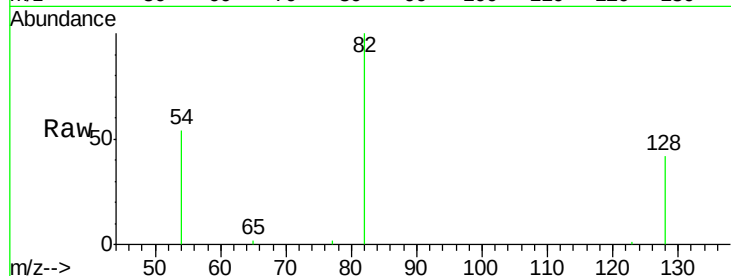
Acq: 18 May 2015 18:01

Instrument :

BNA\_M

ClientSampleId :

051315-P03-E-U-M



Tgt Ion: 82 Resp: 6949

Ion Ratio Lower Upper

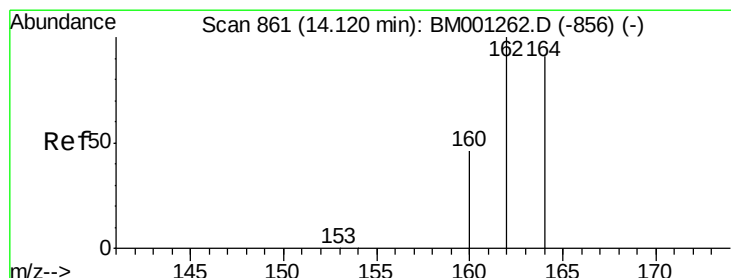
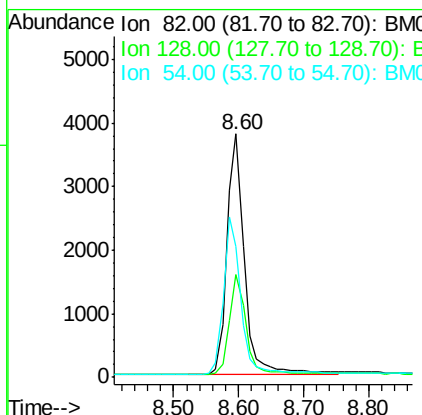
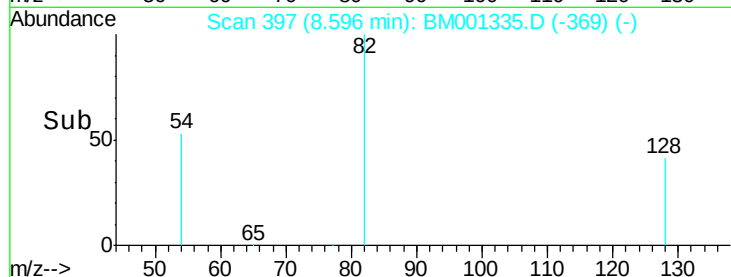
82 100

128 42.0 28.0 42.0#

54 54.0 57.3 85.9#

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#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.12 min Scan# 861

Delta R.T. 0.00 min

Lab File: BM001335.D

Acq: 18 May 2015 18:01

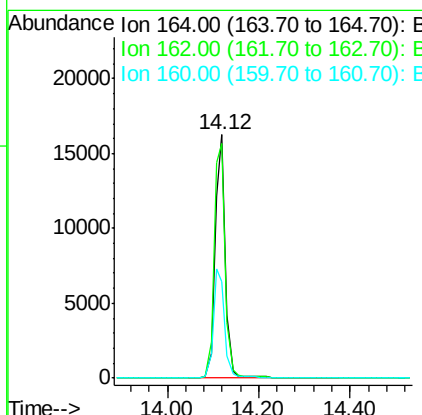
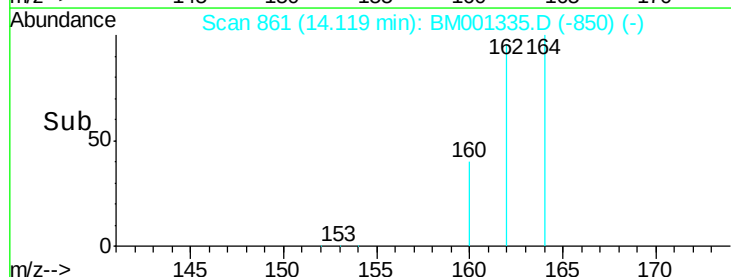
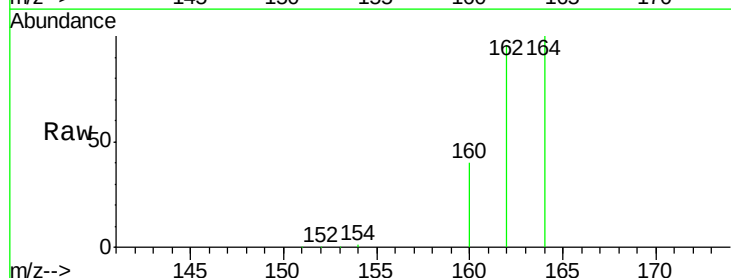
Tgt Ion: 164 Resp: 25364

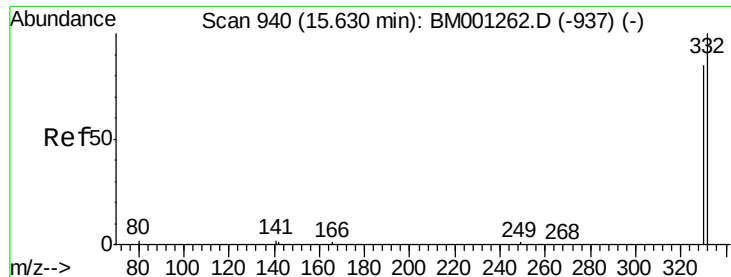
Ion Ratio Lower Upper

164 100

162 96.3 87.9 131.9

160 39.7 40.9 61.3#





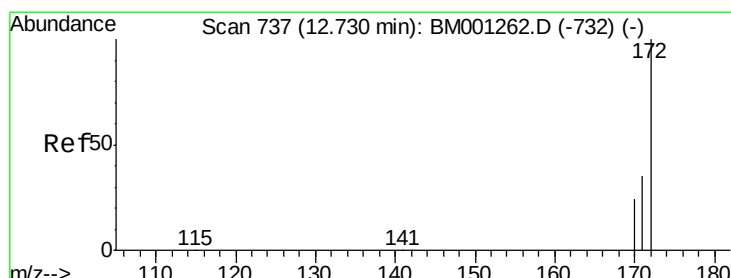
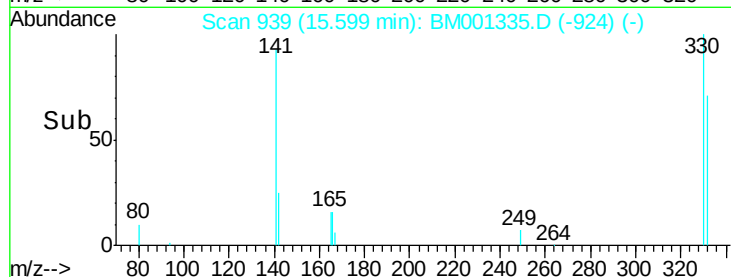
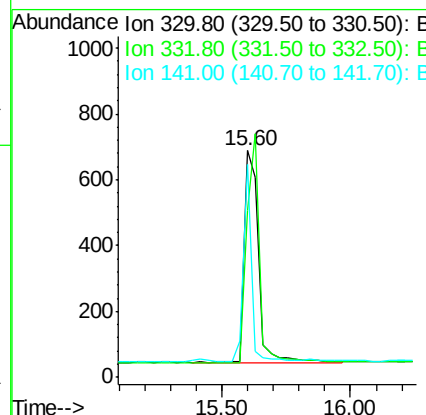
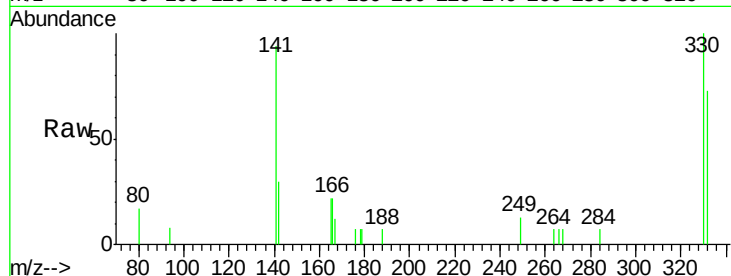
#13  
 2,4,6-Tribromophenol  
 Concen: 2.92 ng  
 RT: 15.60 min Scan# 939  
 Delta R.T. -0.03 min  
 Lab File: BM001335.D  
 Acq: 18 May 2015 18:01

Instrument :  
 BNA\_M  
 ClientSampleId :  
 051315-P03-E-U-M

| Tgt Ion | Ratio | Resp | Lower  | Upper |
|---------|-------|------|--------|-------|
| 330     | 100   | 2483 |        |       |
| 332     | 0.0   | 89.0 | 133.4# |       |
| 141     | 53.0  | 0.0  | 0.0#   |       |

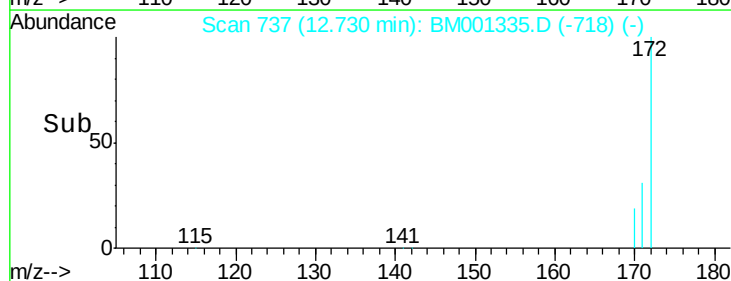
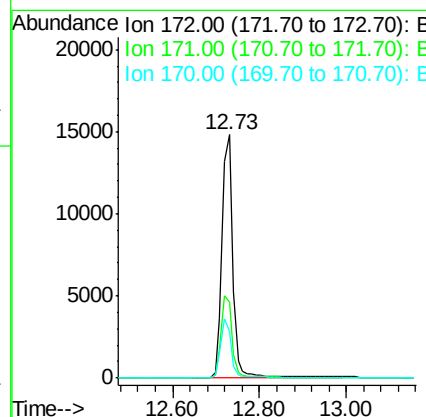
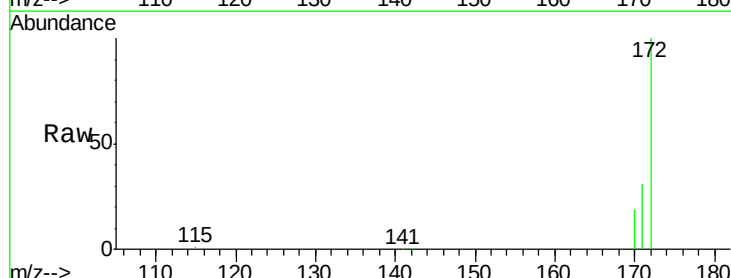
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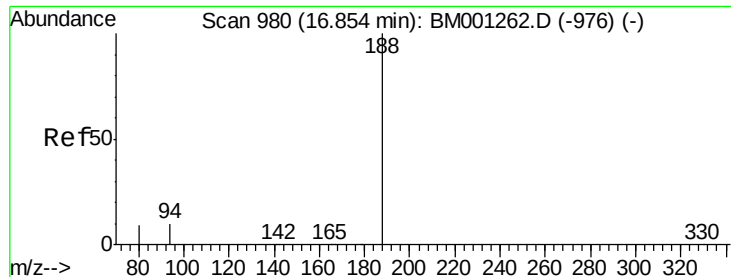
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#14  
 2-Fluorobiphenyl  
 Concen: 3.15 ng  
 RT: 12.73 min Scan# 737  
 Delta R.T. -0.00 min  
 Lab File: BM001335.D  
 Acq: 18 May 2015 18:01

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 172     | 100   | 24792 |       |       |
| 171     | 31.2  | 28.7  | 43.1  |       |
| 170     | 18.9  | 19.5  | 29.3# |       |





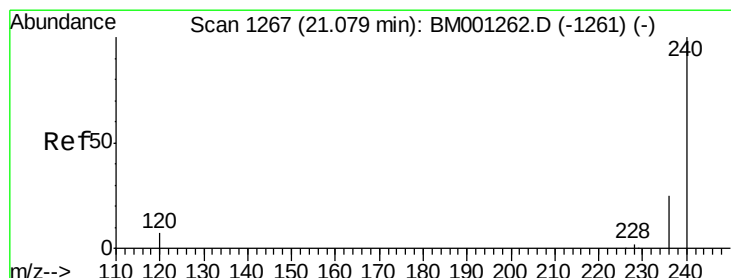
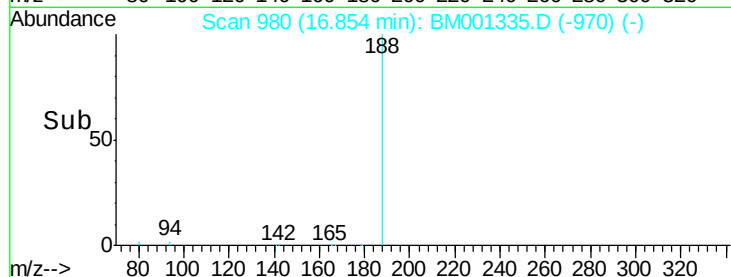
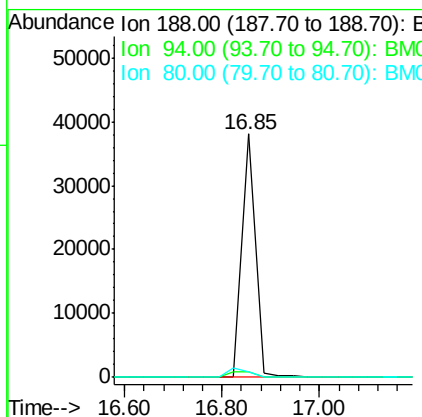
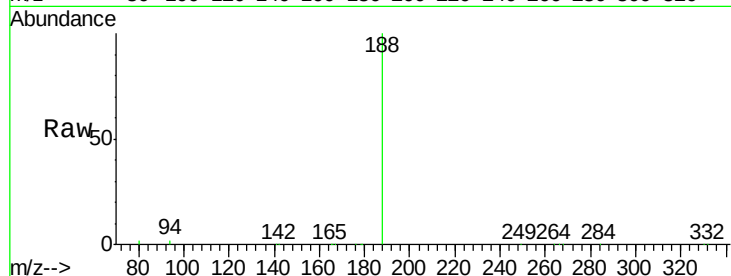
#18  
Phenanthrene-d10  
Concen: 5.00 ng  
RT: 16.85 min Scan# 980  
Delta R.T. 0.00 min  
Lab File: BM001335.D  
Acq: 18 May 2015 18:01

Instrument :  
BNA\_M  
ClientSampleId :  
051315-P03-E-U-M

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 188     | 100   |            | 72589      |
| 94      | 2.4   | 7.8        | 11.8#      |
| 80      | 2.1   | 7.5        | 11.3#      |

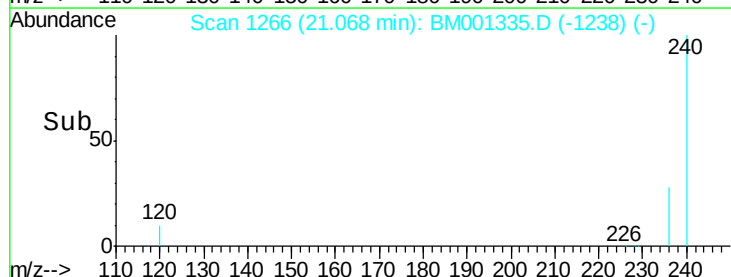
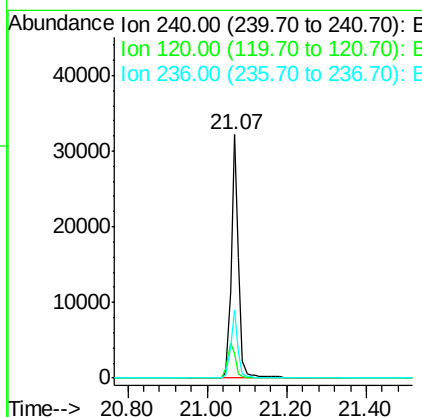
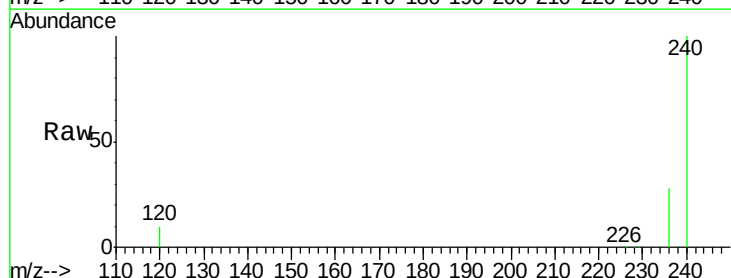
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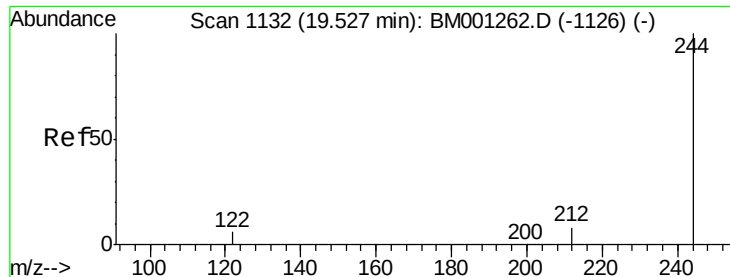
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#24  
Chrysene-d12  
Concen: 5.00 ng  
RT: 21.07 min Scan# 1266  
Delta R.T. -0.01 min  
Lab File: BM001335.D  
Acq: 18 May 2015 18:01

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 240     | 100   |            | 40705      |
| 120     | 10.2  | 5.5        | 8.3#       |
| 236     | 27.9  | 20.4       | 30.6       |





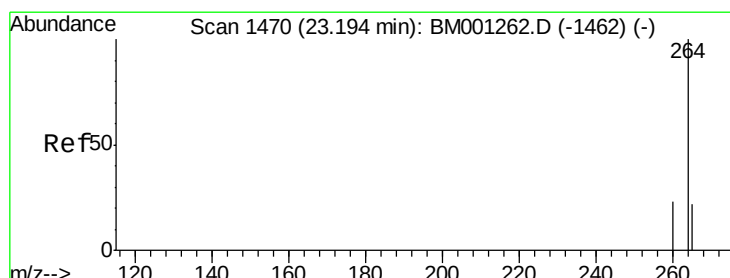
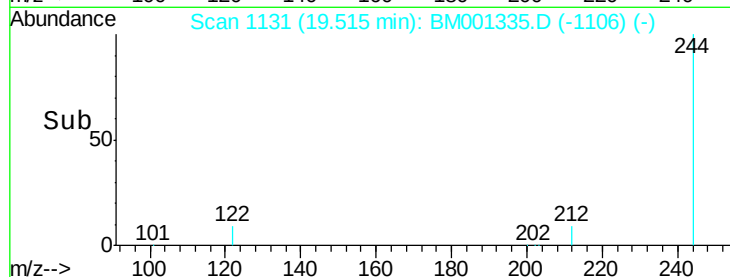
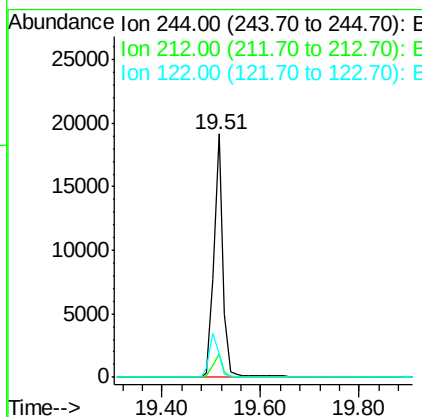
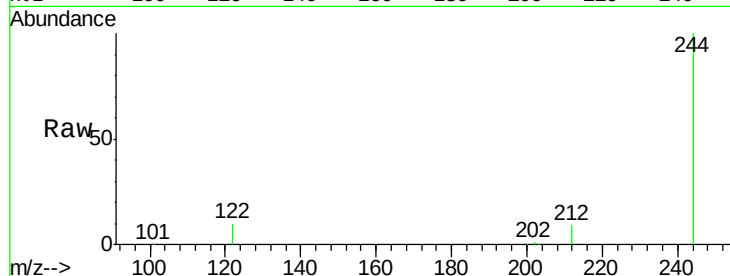
#26  
 Terphenyl-d14  
 Concen: 4.44 ng  
 RT: 19.51 min Scan# 1131  
 Delta R.T. 0.00 min  
 Lab File: BM001335.D  
 Acq: 18 May 2015 18:01

Instrument :  
 BNA\_M  
 ClientSampleId :  
 051315-P03-E-U-M

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 244     | 100   |            |            |
| 212     | 9.4   | 7.2        | 10.8       |
| 122     | 9.6   | 5.6        | 8.4        |

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#30  
 Perylene-d12  
 Concen: 5.00 ng  
 RT: 23.17 min Scan# 1468  
 Delta R.T. -0.01 min  
 Lab File: BM001335.D  
 Acq: 18 May 2015 18:01

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 264     | 100   |            |            |
| 260     | 26.8  | 18.9       | 28.3       |
| 265     | 20.5  | 18.1       | 27.1       |

