

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM051815\  
 Data File : BM001336.D  
 Acq On : 18 May 2015 18:36  
 Operator : TP/IZ  
 Sample : G2280-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 051515-P17-F-U-B

Manual Integrations  
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 5/19/2015 11:05:13 AM

Quant Time: May 19 11:47:34 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  | 12982    | 5.00  | ng    | 0.00           |
| 6) Naphthalene-d8           | 10.22 | 136  | 48790    | 5.00  | ng    | 0.00           |
| 12) Acenaphthene-d10        | 14.12 | 164  | 27211    | 5.00  | ng    | 0.00           |
| 18) Phenanthrene-d10        | 16.85 | 188  | 81081    | 5.00  | ng    | 0.00           |
| 24) Chrysene-d12            | 21.07 | 240  | 45008    | 5.00  | ng    | -0.01          |
| 30) Perylene-d12            | 23.17 | 264  | 38666    | 5.00  | ng    | -0.01          |
| System Monitoring Compounds |       |      |          |       |       |                |
| 4) 2-Fluorophenol           | 5.02  | 112  | 12452    | 4.92  | ng    | 0.00           |
| 5) Phenol-d6                | 6.63  | 99   | 9522     | 3.34  | ng    | 0.00           |
| 7) Nitrobenzene-d5          | 8.60  | 82   | 20190    | 6.53  | ng    | 0.00           |
| 13) 2,4,6-Tribromophenol    | 15.60 | 330  | 8484     | 9.09  | ng    | -0.03          |
| 14) 2-Fluorobiphenyl        | 12.73 | 172  | 66773    | 7.90  | ng    | 0.00           |
| 26) Terphenyl-d14           | 19.51 | 244  | 62149    | 10.28 | ng    | 0.00           |
| Target Compounds            |       |      |          |       |       |                |
| 27) Benzo(a)anthracene      | 21.05 | 228  | 349      | 0.03  | ng    | Qvalue<br># 64 |

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

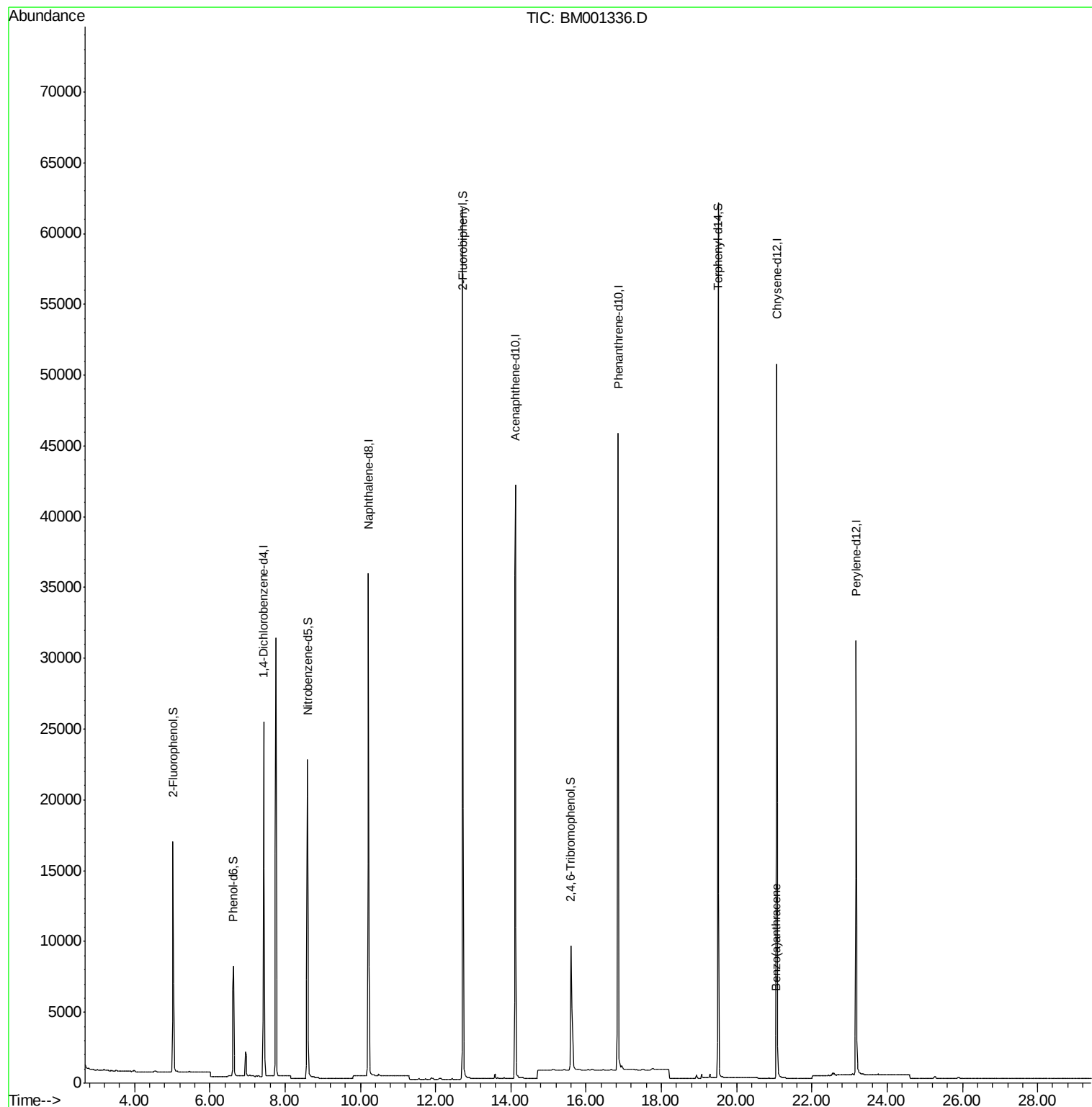
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM051815\  
Data File : BM001336.D  
Acq On : 18 May 2015 18:36  
Operator : TP/IZ  
Sample : G2280-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
051515-P17-F-U-B

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Quant Time: May 19 11:47:34 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.43 min Scan# 308

Delta R.T. -0.00 min

Lab File: BM001336.D

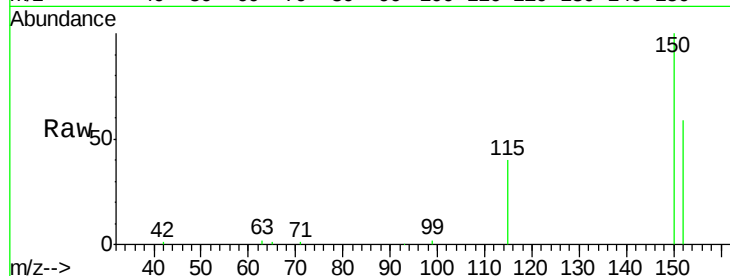
Acq: 18 May 2015 18:36

Instrument :

BNA\_M

ClientSampleId :

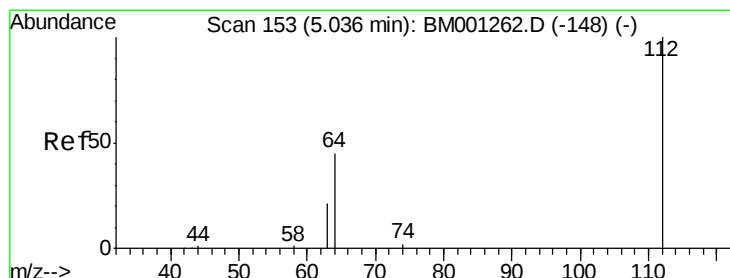
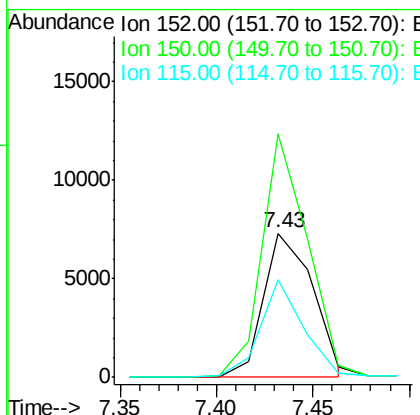
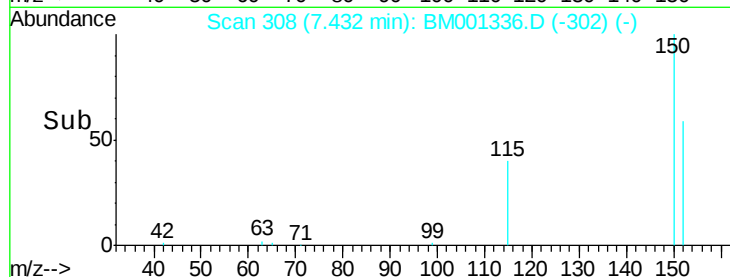
051515-P17-F-U-B



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 12982 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 150       | 168.8 | 114.6 | 172.0 |
| 115       | 67.6  | 39.3  | 58.9  |

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#4

2-Fluorophenol

Concen: 4.92 ng

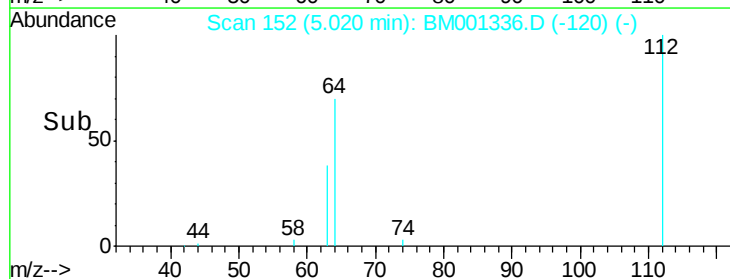
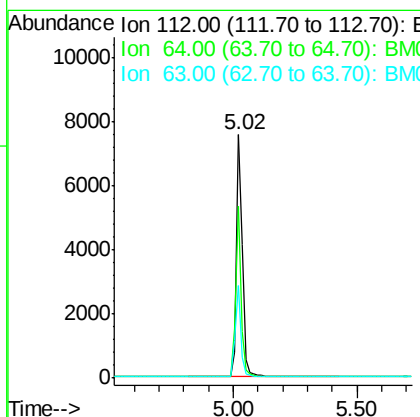
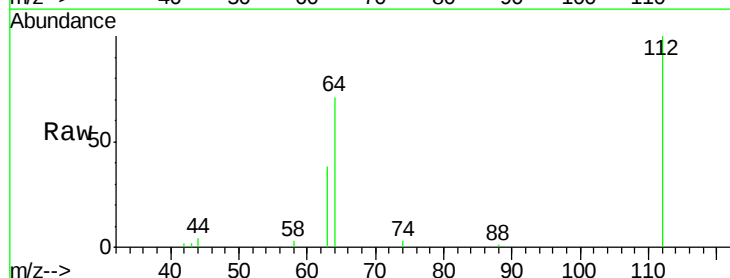
RT: 5.02 min Scan# 152

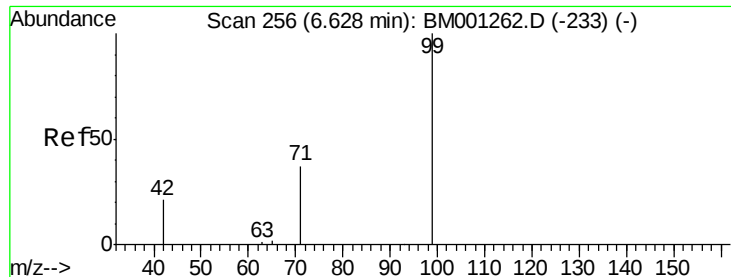
Delta R.T. -0.00 min

Lab File: BM001336.D

Acq: 18 May 2015 18:36

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 112   | Resp: | 12452 |
| Ion Ratio | Lower | Upper |       |
| 112       | 100   |       |       |
| 64        | 64.7  | 50.8  | 76.2  |
| 63        | 35.9  | 28.2  | 42.4  |





#5

Phenol-d6

Concen: 3.34 ng

RT: 6.63 min Scan# 256

Delta R.T. -0.00 min

Lab File: BM001336.D

Acq: 18 May 2015 18:36

Instrument :

BNA\_M

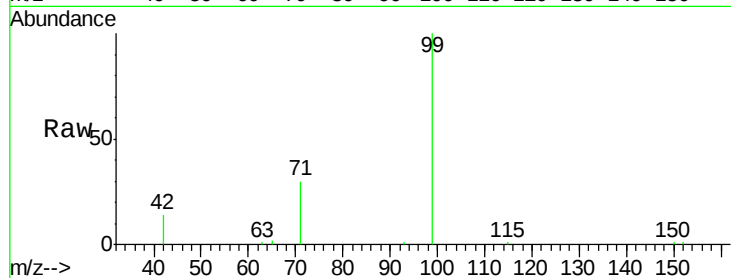
ClientSampleId :

051515-P17-F-U-B

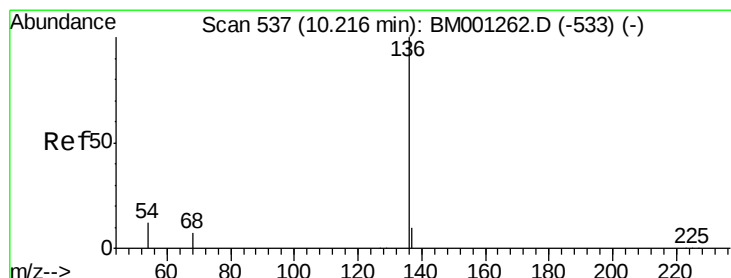
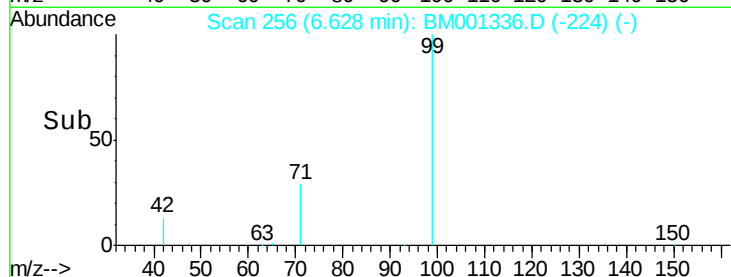
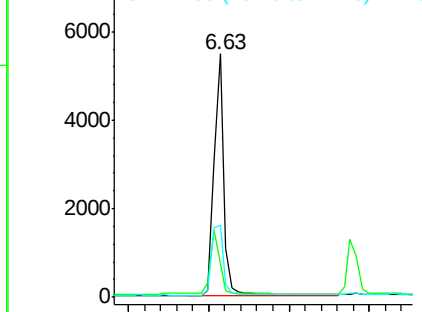
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|-----------|-------|-------|------|
| Tgt Ion:  | 99    | Resp: | 9522 |
| Ion Ratio | Lower | Upper |      |
| 99        | 100   |       |      |
| 42        | 24.9  | 19.9  | 29.9 |
| 71        | 35.6  | 28.0  | 42.0 |

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Abundance Ion 99.00 (98.70 to 99.70): BM001336.D (-224) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.22 min Scan# 537

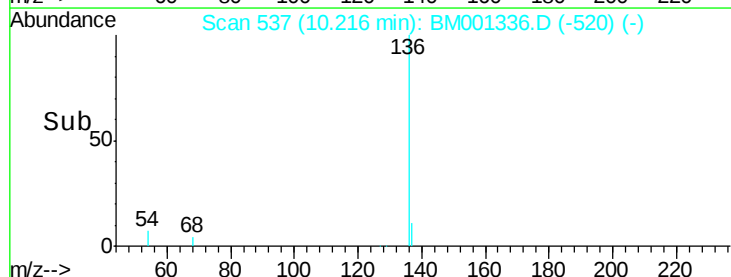
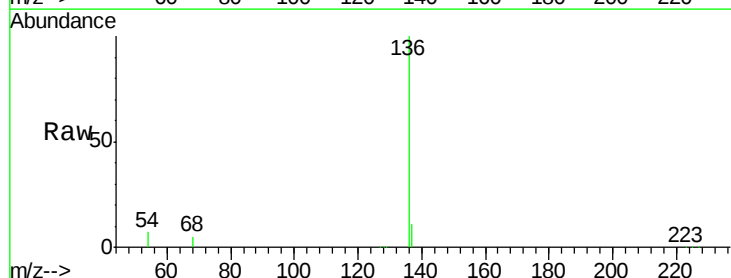
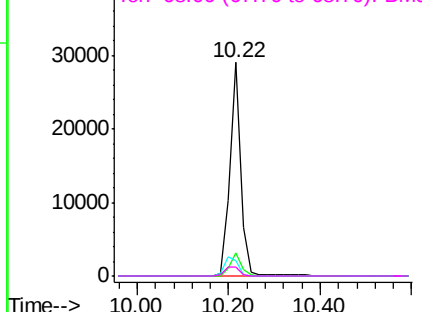
Delta R.T. -0.00 min

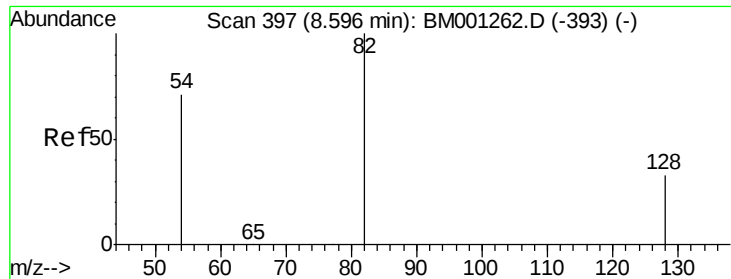
Lab File: BM001336.D

Acq: 18 May 2015 18:36

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 48790 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.0  | 8.2   | 12.4  |
| 54        | 7.3   | 9.5   | 14.3# |
| 68        | 4.5   | 5.5   | 8.3#  |

Abundance Ion 136.00 (135.70 to 136.70): BM001336.D (-520) (-)





#7

Nitrobenzene-d5

Concen: 6.53 ng

RT: 8.60 min Scan# 397

Delta R.T. -0.00 min

Lab File: BM001336.D

Acq: 18 May 2015 18:36

Instrument :

BNA\_M

ClientSampleId :

051515-P17-F-U-B

Tgt Ion: 82 Resp: 20190

Ion Ratio Lower Upper

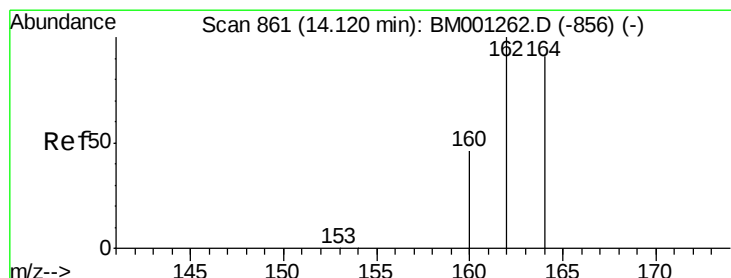
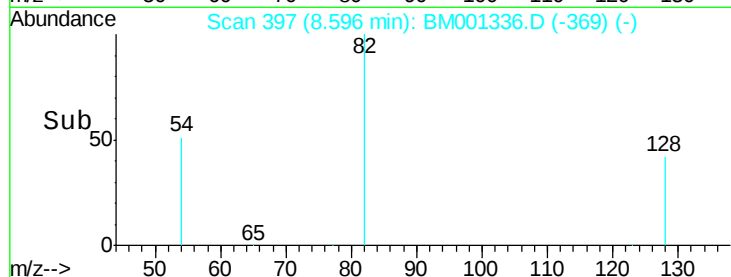
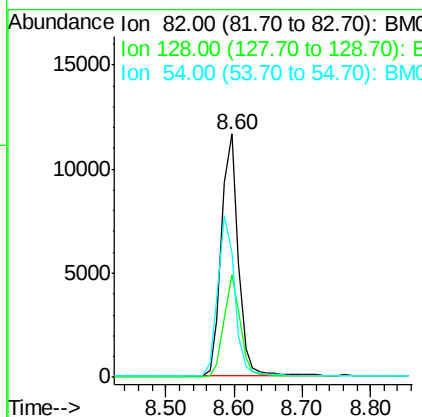
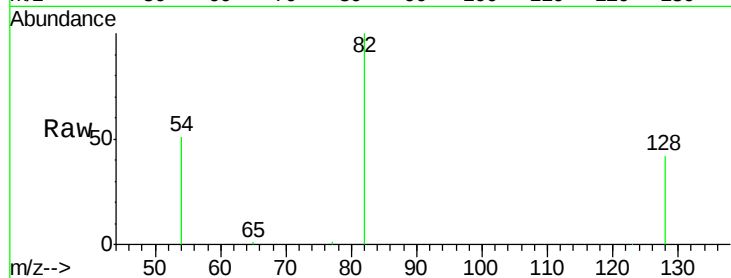
82 100

128 42.4 28.0 42.0#

54 51.1 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: BM001336.D

Acq: 18 May 2015 18:36

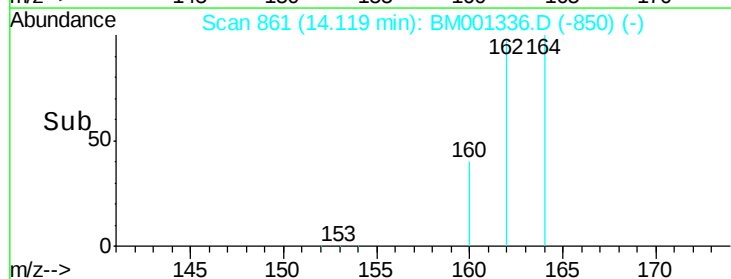
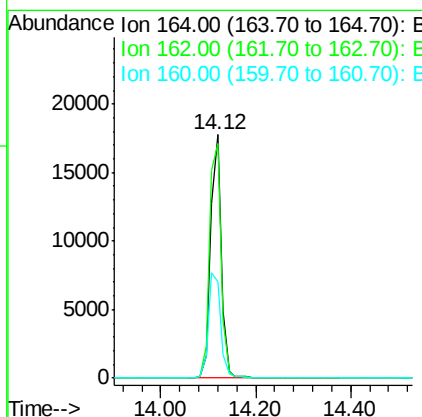
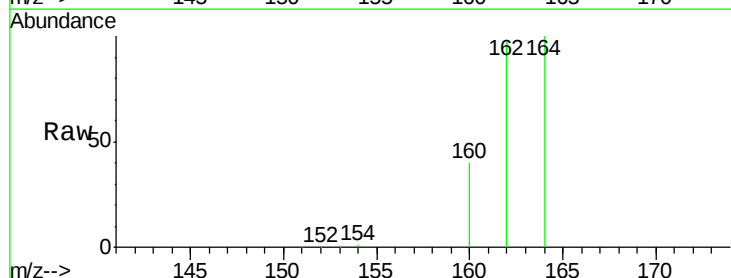
Tgt Ion: 164 Resp: 27211

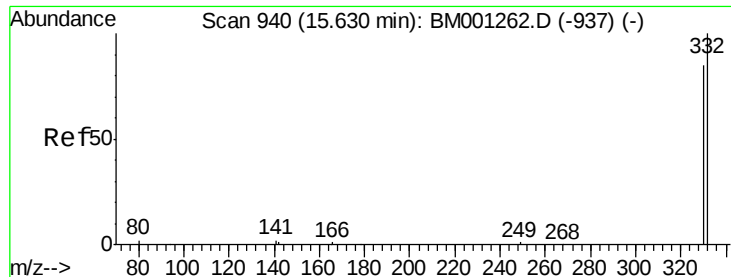
Ion Ratio Lower Upper

164 100

162 96.5 87.9 131.9

160 39.7 40.9 61.3#





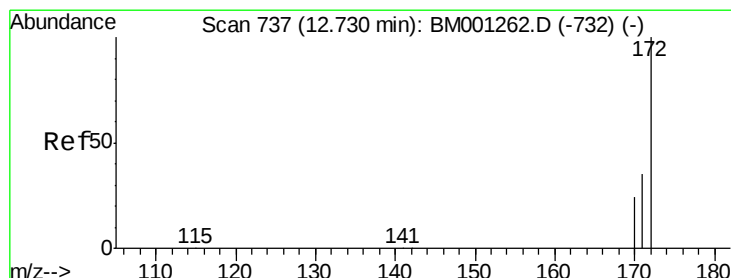
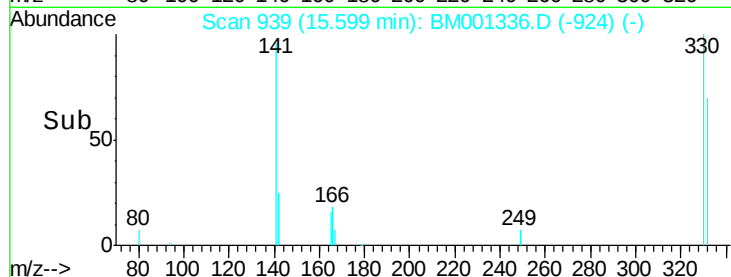
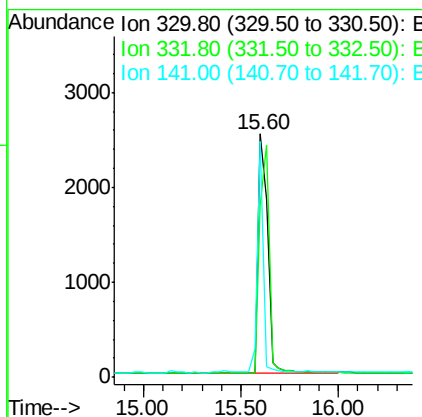
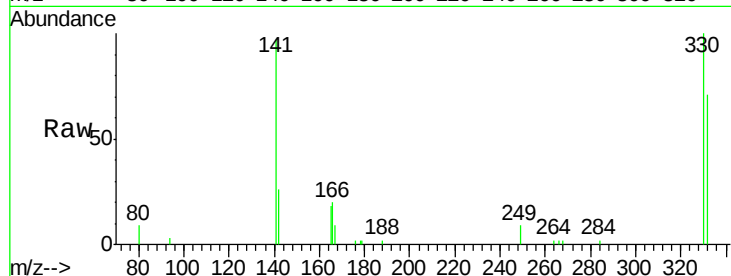
#13  
 2,4,6-Tribromophenol  
 Concen: 9.09 ng  
 RT: 15.60 min Scan# 939  
 Delta R.T. -0.03 min  
 Lab File: BM001336.D  
 Acq: 18 May 2015 18:36

Instrument :  
 BNA\_M  
 ClientSampleId :  
 051515-P17-F-U-B

| Tgt Ion | Ratio | Resp | Lower  | Upper |
|---------|-------|------|--------|-------|
| 330     | 100   | 8484 |        |       |
| 332     | 0.0   | 89.0 | 133.4# |       |
| 141     | 60.2  | 0.0  | 0.0#   |       |

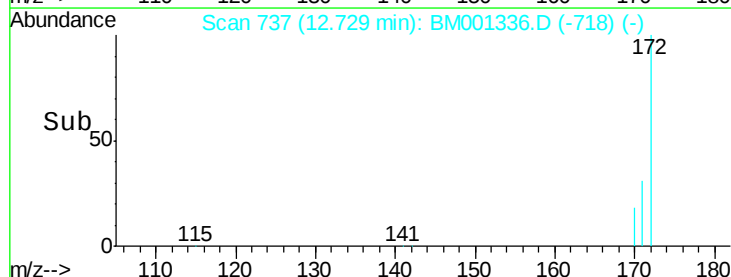
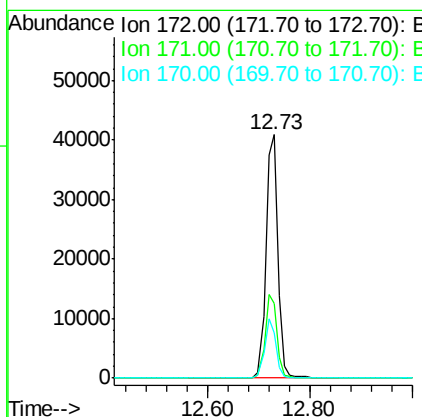
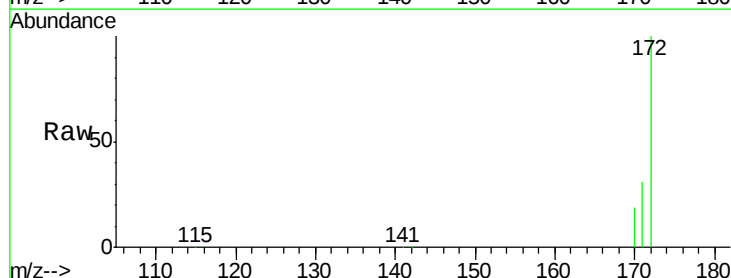
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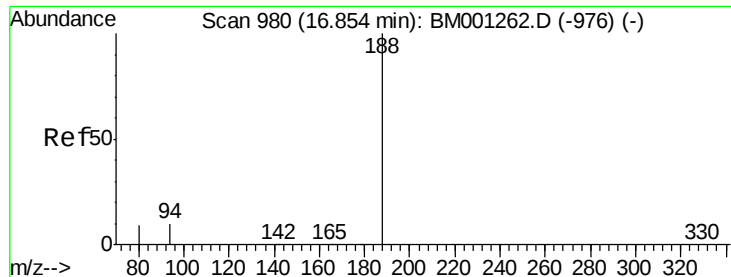
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#14  
 2-Fluorobiphenyl  
 Concen: 7.90 ng  
 RT: 12.73 min Scan# 737  
 Delta R.T. -0.00 min  
 Lab File: BM001336.D  
 Acq: 18 May 2015 18:36

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 172     | 100   | 66773 |       |       |
| 171     | 30.9  | 28.7  | 43.1  |       |
| 170     | 18.6  | 19.5  | 29.3# |       |





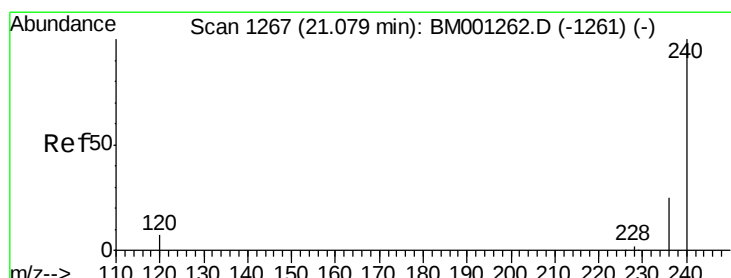
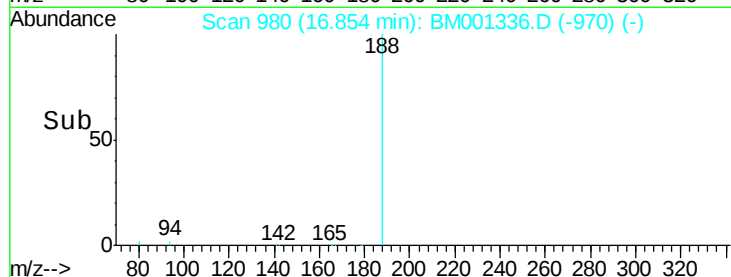
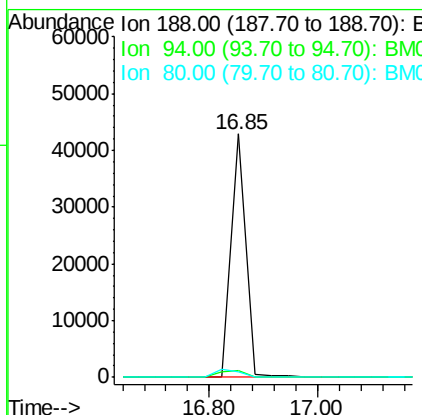
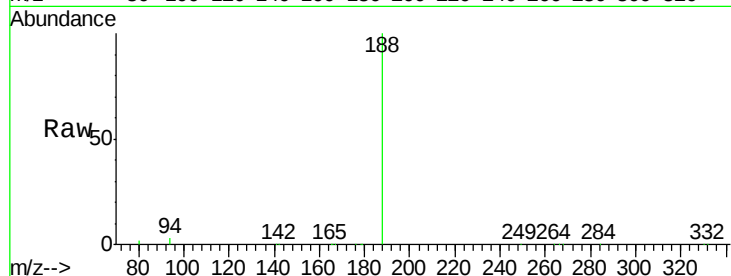
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Phenanthrene-d10  
Concen: 5.00 ng  
RT: 16.85 min Scan# 980  
Delta R.T. -0.00 min  
Lab File: BM001336.D  
Acq: 18 May 2015 18:36

Instrument :  
BNA\_M  
ClientSampleId :  
051515-P17-F-U-B

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 188     | 100   | 81081 |       |       |
| 94      | 2.6   | 7.8   | 11.8# |       |
| 80      | 2.2   | 7.5   | 11.3# |       |

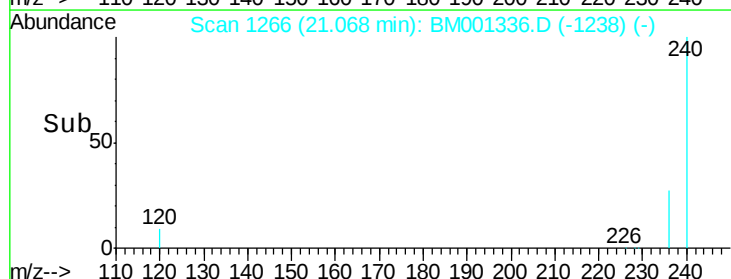
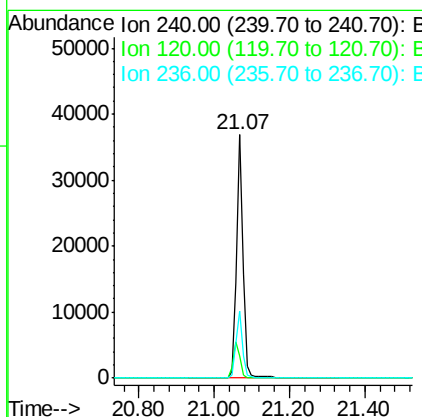
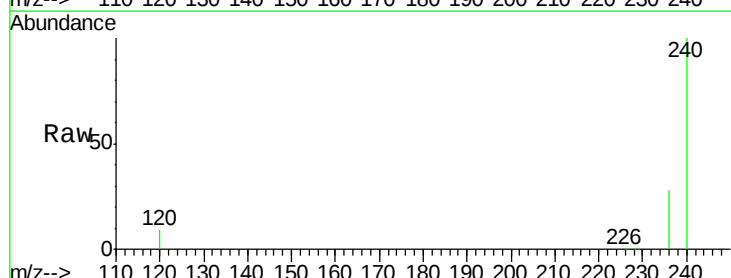
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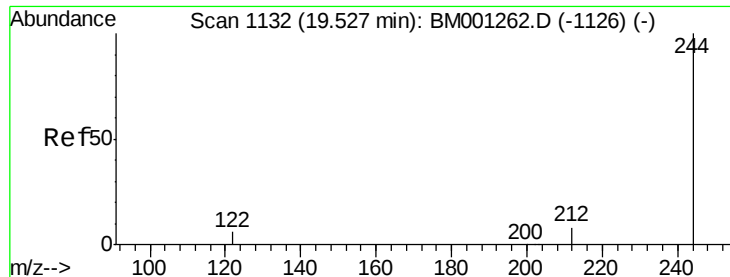
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#24  
Chrysene-d12  
Concen: 5.00 ng  
RT: 21.07 min Scan# 1266  
Delta R.T. -0.01 min  
Lab File: BM001336.D  
Acq: 18 May 2015 18:36

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 240     | 100   | 45008 |       |       |
| 120     | 9.3   | 5.5   | 8.3#  |       |
| 236     | 27.6  | 20.4  | 30.6  |       |





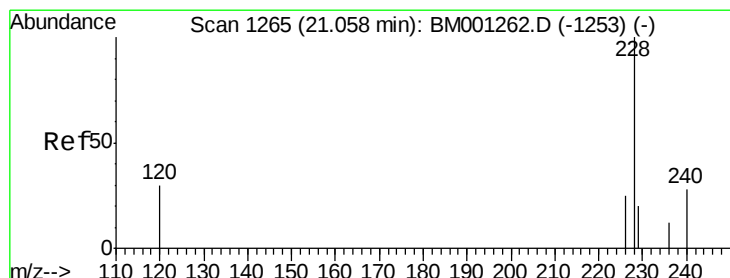
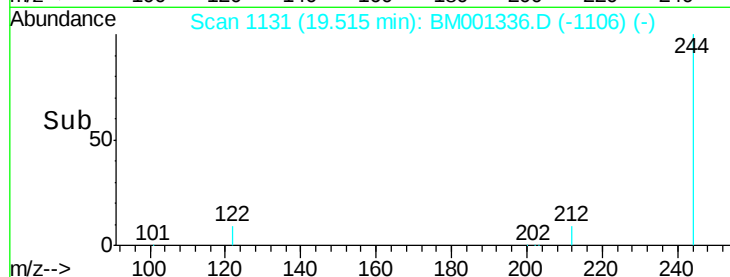
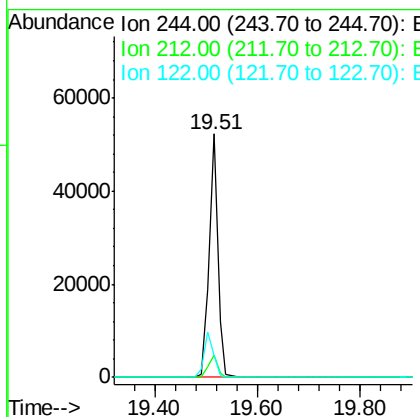
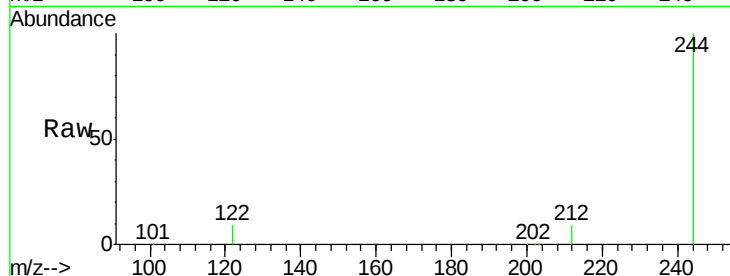
#26  
 Terphenyl-d14  
 Concen: 10.28 ng  
 RT: 19.51 min Scan# 1131  
 Delta R.T. -0.00 min  
 Lab File: BM001336.D  
 Acq: 18 May 2015 18:36

Instrument :  
 BNA\_M  
 ClientSampleId :  
 051515-P17-F-U-B

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 244     | 100   |            |            |
| 212     | 9.0   | 7.2        | 10.8       |
| 122     | 8.9   | 5.6        | 8.4        |

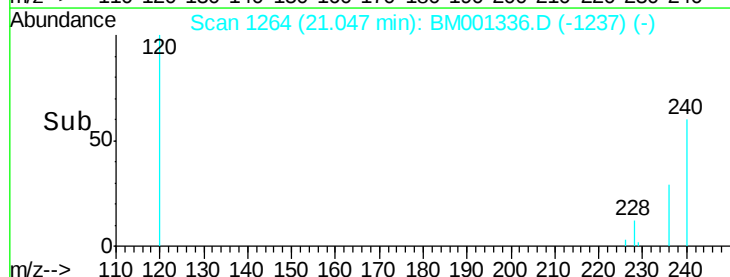
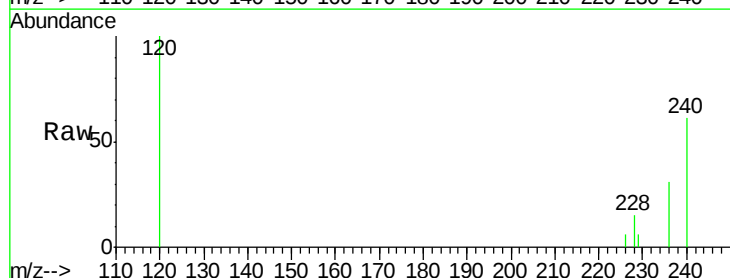
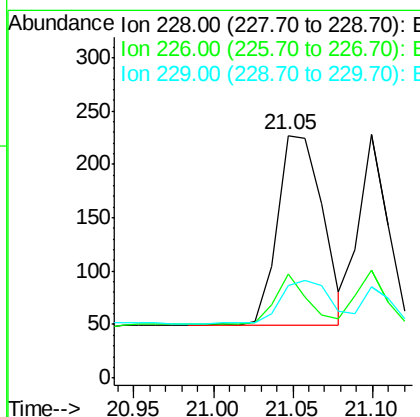
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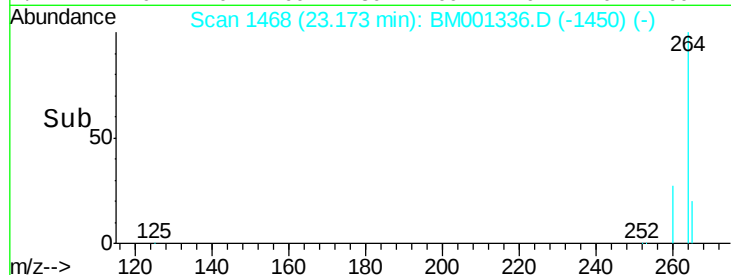
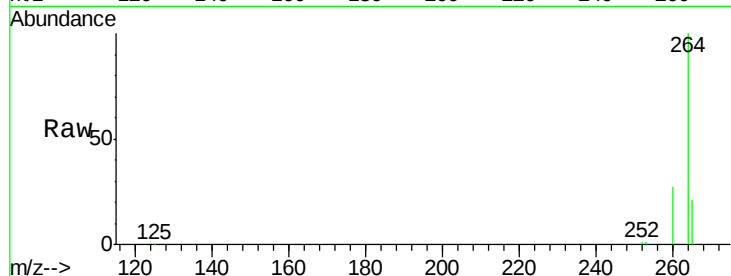
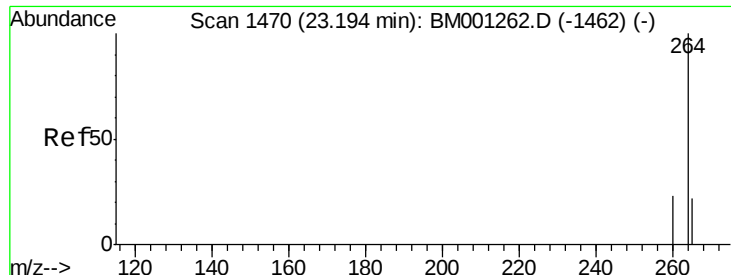
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#27  
 Benzo(a)anthracene  
 Concen: 0.03 ng  
 RT: 21.05 min Scan# 1264  
 Delta R.T. -0.01 min  
 Lab File: BM001336.D  
 Acq: 18 May 2015 18:36

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 228     | 100   |            |            |
| 226     | 42.7  | 20.5       | 30.7       |
| 229     | 38.3  | 16.2       | 24.4       |





#30  
Perylene-d12  
Concen: 5.00 ng  
RT: 23.17 min Scan# 1468  
Delta R.T. -0.01 min  
Lab File: BM001336.D  
Acq: 18 May 2015 18:36

Instrument :  
BNA\_M  
ClientSampleId :  
051515-P17-F-U-B

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 264     | 100   |            |            |
| 260     | 26.8  | 18.9       | 28.3       |
| 265     | 20.6  | 18.1       | 27.1       |

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