

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM060315\  
 Data File : BM001551.D  
 Acq On : 04 Jun 2015 04:19  
 Operator : TP/IZ  
 Sample : PB83718BSD  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB83718BSD

Manual Integrations  
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 6/5/2015 1:58:35 PM

Quant Time: Jun 04 19:34:35 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SIM-BM060315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 04 12:46:32 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.69  | 152  | 37981    | 5.00   | ng    | 0.00     |
| 6) Naphthalene-d8              | 10.49 | 136  | 139905   | 5.00   | ng    | 0.00     |
| 12) Acenaphthene-d10           | 14.36 | 164  | 69369    | 5.00   | ng    | 0.00     |
| 18) Phenanthrene-d10           | 17.10 | 188  | 99253    | 5.00   | ng    | 0.00     |
| 25) Chrysene-d12               | 21.28 | 240  | 103688   | 5.00   | ng    | 0.00     |
| 32) Perylene-d12               | 23.53 | 264  | 83663    | 5.00   | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 4) 2-Fluorophenol              | 5.28  | 112  | 89298    | 10.34  | ng    | 0.00     |
| 5) Phenol-d6                   | 6.86  | 99   | 119808   | 11.30  | ng    | 0.00     |
| 7) Nitrobenzene-d5             | 8.86  | 82   | 76421    | 7.67   | ng    | 0.00     |
| 13) 2,4,6-Tribromophenol       | 15.84 | 330  | 46587    | 16.08  | ng    | 0.00     |
| 14) 2-Fluorobiphenyl           | 12.97 | 172  | 151875   | 7.37   | ng    | 0.00     |
| 27) Terphenyl-d14              | 19.73 | 244  | 102292   | 7.98   | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                 | 3.21  | 88   | 23920    | 7.17   | ng    | 96       |
| 3) n-Nitrosodimethylamine      | 3.51  | 42   | 42032    | 7.14   | ng    | 99       |
| 8) Nitrobenzene                | 8.90  | 77   | 82255    | 7.84   | ng    | 99       |
| 9) Naphthalene                 | 10.52 | 128  | 207105   | 7.03   | ng    | 98       |
| 10) Hexachlorobutadiene        | 10.82 | 225  | 36297    | 7.13   | ng    | 100      |
| 11) 2-Methylnaphthalene        | 12.15 | 142  | 138061   | 7.45   | ng    | 94       |
| 15) Acenaphthylene             | 14.07 | 152  | 220069   | 7.29   | ng    | 100      |
| 16) Acenaphthene               | 14.42 | 154  | 129214   | 7.10   | ng    | 98       |
| 17) Fluorene                   | 15.36 | 166  | 83799    | 5.68   | ng    | # 76     |
| 19) 4-Bromophenyl-phenylether  | 16.28 | 248  | 70020    | 18.02  | ng    | # 58     |
| 20) Hexachlorobenzene          | 16.38 | 284  | 32930    | 15.96  | ng    | # 100    |
| 21) Pentachlorophenol          | 16.76 | 266  | 189647   | 165.97 | ng    | # 89     |
| 22) Phenanthrene               | 17.13 | 178  | 256697   | 8.90   | ng    | 97       |
| 23) Anthracene                 | 17.20 | 178  | 130318m  | 9.87   | ng    |          |
| 24) Fluoranthene               | 19.15 | 202  | 253817   | 12.43  | ng    | 99       |
| 26) Pyrene                     | 19.51 | 202  | 272058   | 8.52   | ng    | 99       |
| 28) Benzo(a)anthracene         | 21.26 | 228  | 223668   | 7.71   | ng    | 95       |
| 29) Chrysene                   | 21.31 | 228  | 195634   | 7.55   | ng    | 96       |
| 30) Bis(2-ethylhexyl)phthalate | 21.20 | 149  | 193069   | 9.12   | ng    | 99       |
| 31) Indeno(1,2,3-cd)pyrene     | 25.78 | 276  | 186962   | 6.54   | ng    | 98       |
| 33) Benzo(b)fluoranthene       | 22.85 | 252  | 200520   | 8.63   | ng    | 97       |
| 34) Benzo(k)fluoranthene       | 22.89 | 252  | 165832   | 7.68   | ng    | 97       |
| 35) Benzo(a)pyrene             | 23.43 | 252  | 174369   | 8.30   | ng    | 97       |
| 36) Dibenzo(a,h)anthracene     | 25.80 | 278  | 151260   | 7.75   | ng    | 97       |
| 37) Benzo(g,h,i)perylene       | 26.48 | 276  | 154723   | 7.54   | ng    | 99       |

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

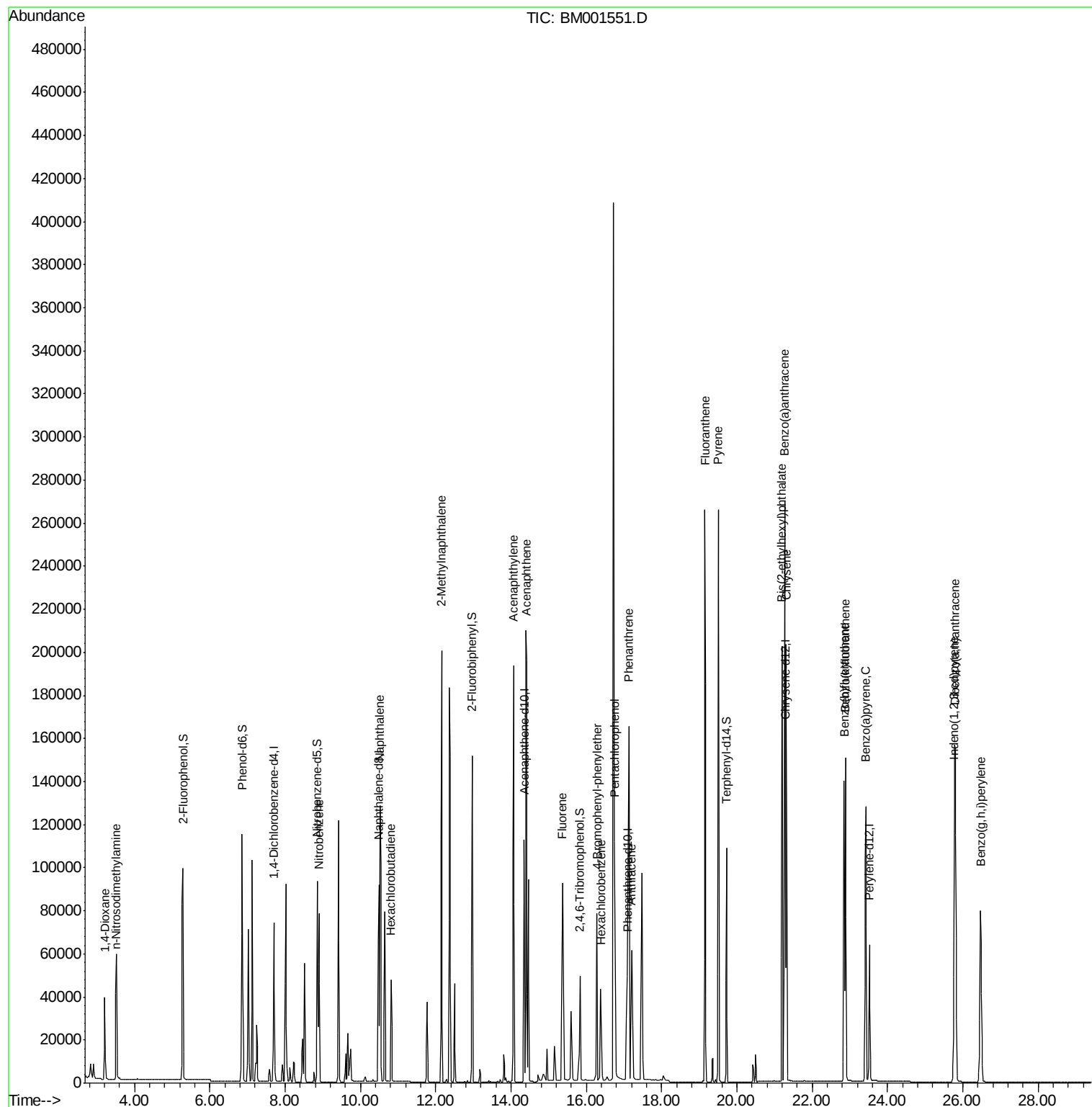
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM060315\  
Data File : BM001551.D  
Acq On : 04 Jun 2015 04:19  
Operator : TP/IZ  
Sample : PB83718BSD  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

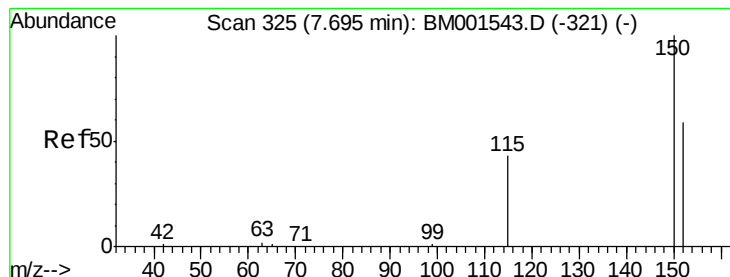
Instrument :  
BNA\_M  
ClientSampleId :  
PB83718BSD

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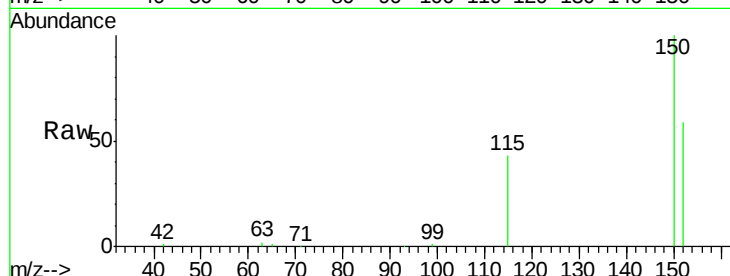
Quant Time: Jun 04 19:34:35 2015  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SIM-BM060315.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 04 12:46:32 2015  
Response via : Initial Calibration





#1  
 1,4-Dichlorobenzene-d4  
 Concen: 5.00 ng  
 RT: 7.69 min Scan# 325  
 Delta R.T. -0.00 min  
 Lab File: BM001551.D  
 Acq: 04 Jun 2015 04:19

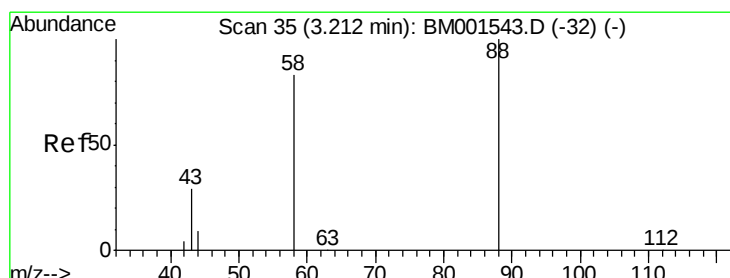
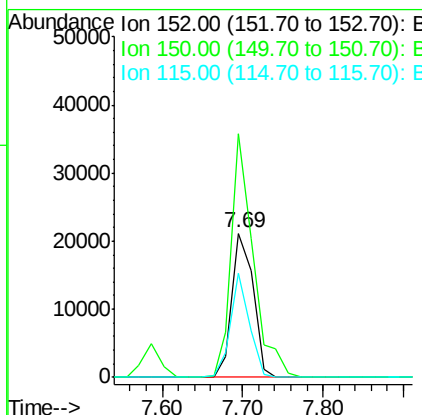
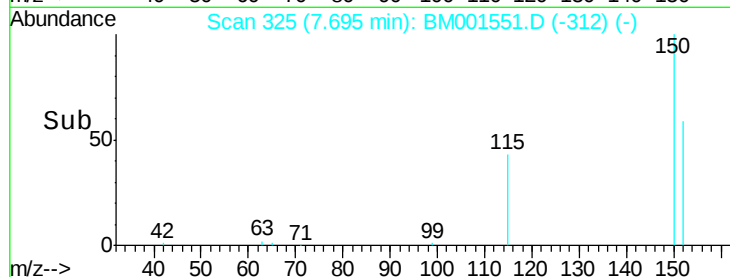
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB83718BSD



Tgt Ion: 152 Resp: 37981  
 Ion Ratio Lower Upper  
 152 100  
 150 169.1 135.0 202.4  
 115 72.4 57.8 86.8

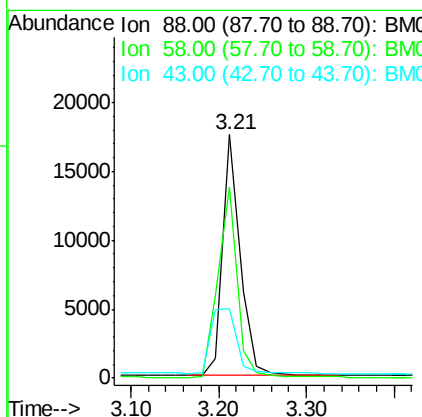
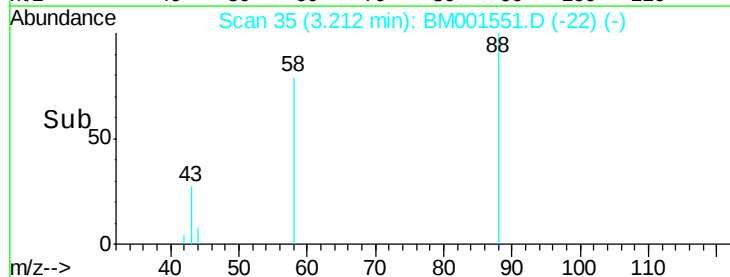
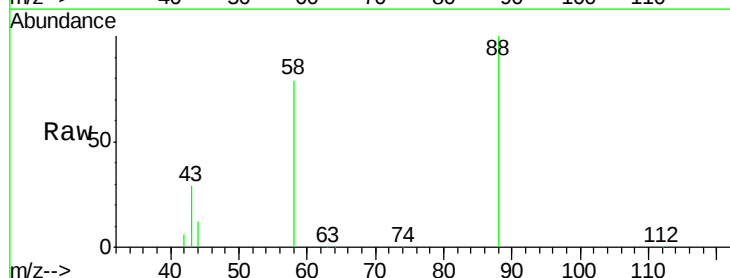
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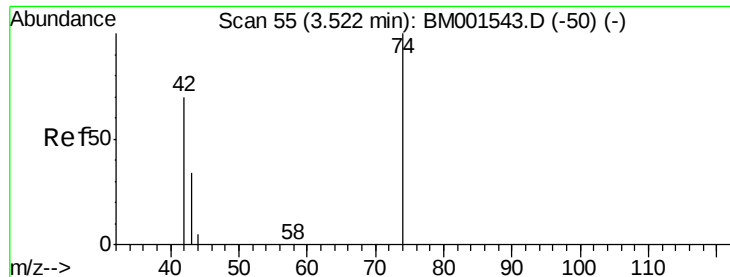
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#2  
 1,4-Dioxane  
 Concen: 7.17 ng  
 RT: 3.21 min Scan# 35  
 Delta R.T. 0.00 min  
 Lab File: BM001551.D  
 Acq: 04 Jun 2015 04:19

Tgt Ion: 88 Resp: 23920  
 Ion Ratio Lower Upper  
 88 100  
 58 86.0 65.0 97.4  
 43 39.4 31.1 46.7





#3

n-Nitrosodimethylamine

Concen: 7.14 ng

RT: 3.51 min Scan# 54

Delta R.T. -0.02 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

Instrument :

BNA\_M

ClientSampleId :

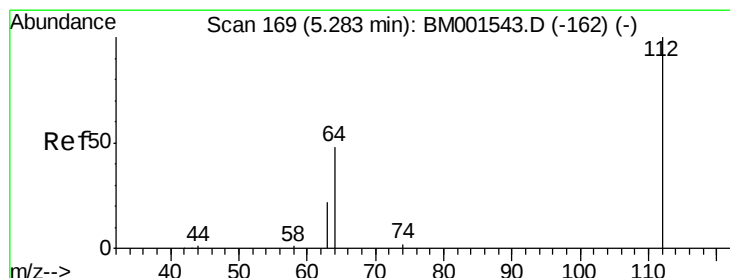
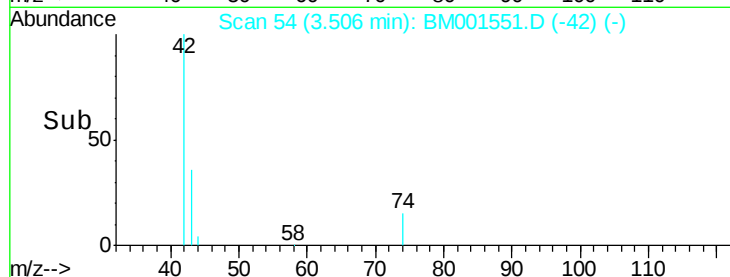
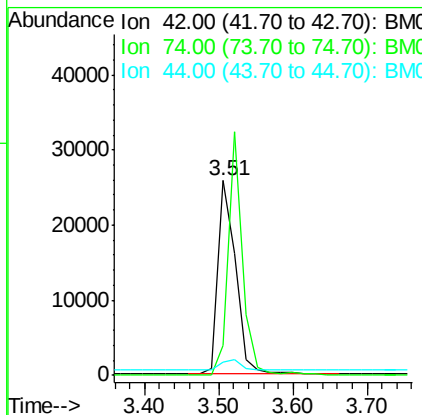
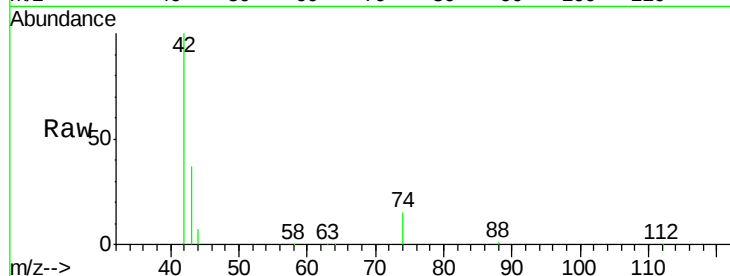
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 42032 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 102.9 | 82.0  | 123.0 |
| 44       | 5.9   | 5.8   | 8.6   |



#4

2-Fluorophenol

Concen: 10.34 ng

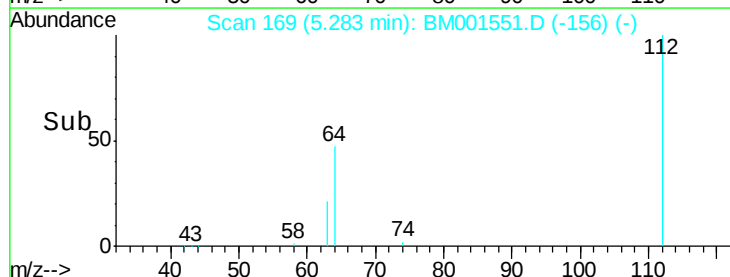
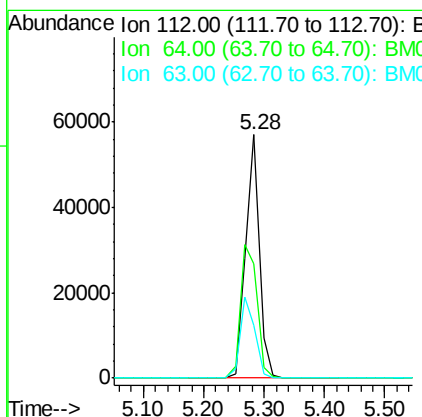
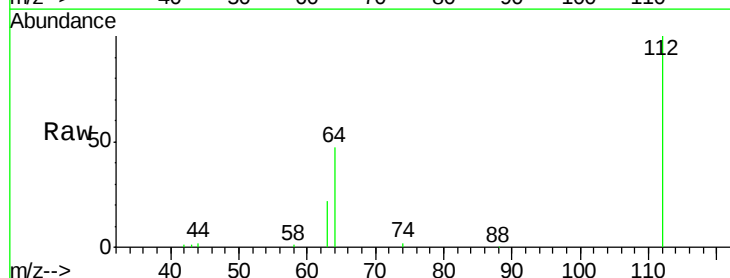
RT: 5.28 min Scan# 169

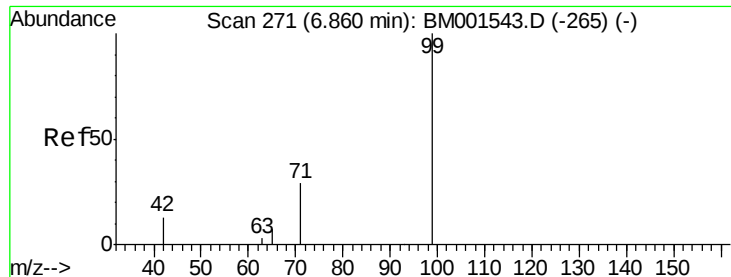
Delta R.T. -0.00 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 89298 |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 65.7  | 53.0  | 79.4  |
| 63       | 35.6  | 29.2  | 43.8  |





#5

Phenol-d6

Concen: 11.30 ng

RT: 6.86 min Scan# 271

Delta R.T. -0.00 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

Instrument :

BNA\_M

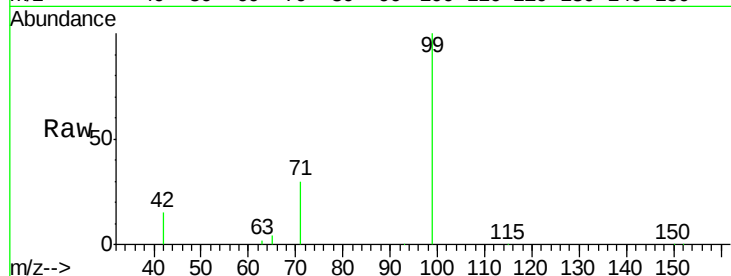
ClientSampleId :

PB83718BSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 99    | Resp: | 119808 |
| Ion      | Ratio | Lower | Upper  |
| 99       | 100   |       |        |
| 42       | 24.9  | 20.9  | 31.3   |
| 71       | 34.6  | 28.5  | 42.7   |

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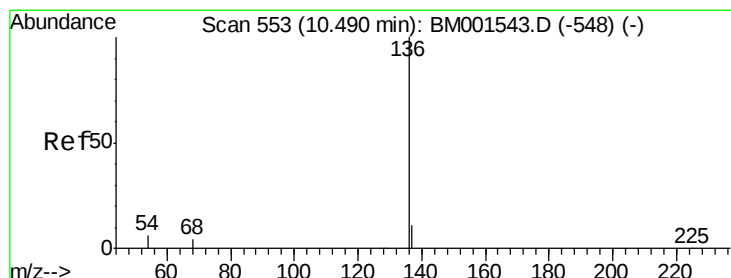
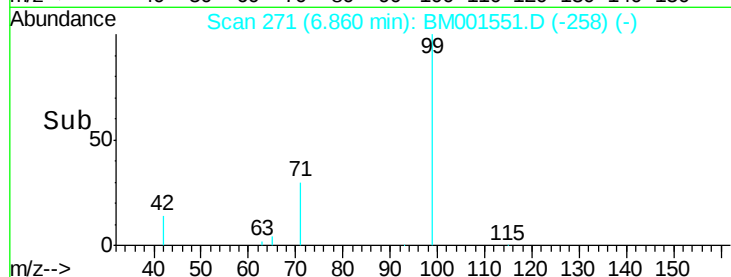
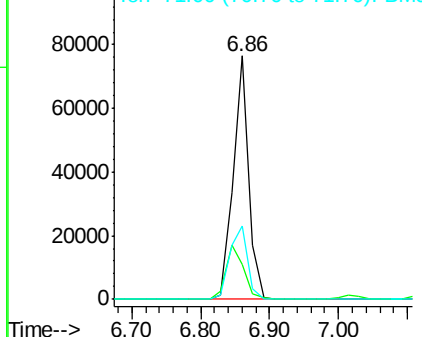
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Abundance Ion 99.00 (98.70 to 99.70): BM001543.D (-265) (-)

Ion 42.00 (41.70 to 42.70): BM001543.D (-265) (-)

Ion 71.00 (70.70 to 71.70): BM001543.D (-265) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.49 min Scan# 553

Delta R.T. -0.00 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

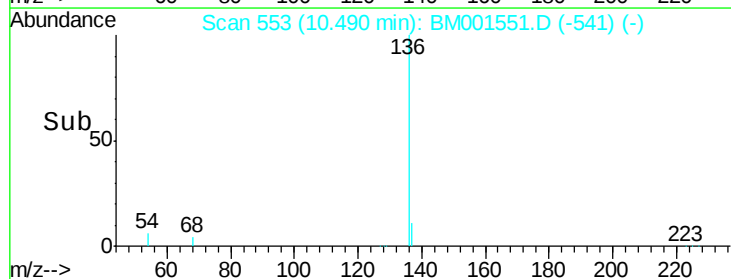
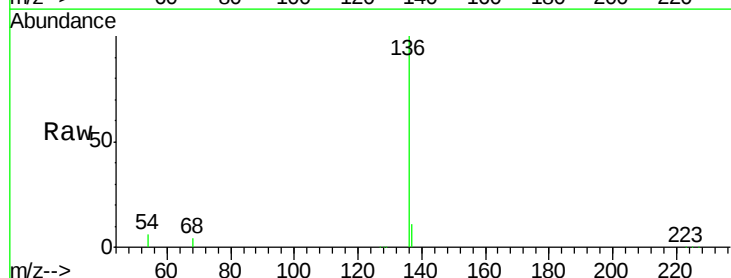
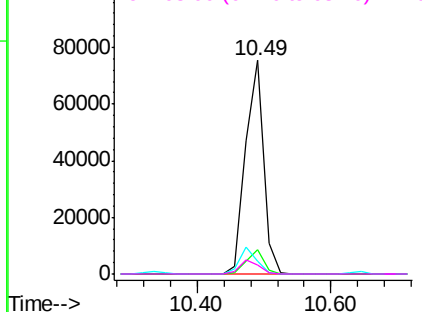
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 139905 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.3  | 9.1   | 13.7   |
| 54       | 6.2   | 4.6   | 6.8    |
| 68       | 4.2   | 3.2   | 4.8    |

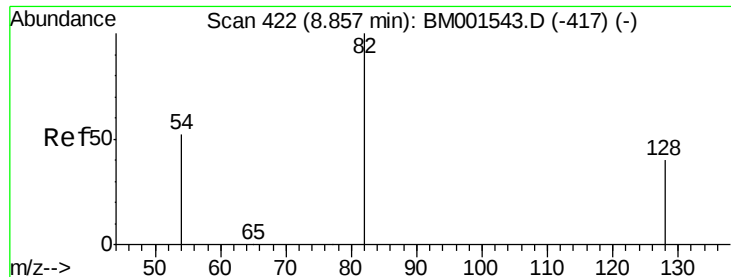
Abundance Ion 136.00 (135.70 to 136.70): BM001543.D (-548) (-)

Ion 137.00 (136.70 to 137.70): BM001543.D (-548) (-)

Ion 54.00 (53.70 to 54.70): BM001543.D (-548) (-)

Ion 68.00 (67.70 to 68.70): BM001543.D (-548) (-)





#7

Nitrobenzene-d5

Concen: 7.67 ng

RT: 8.86 min Scan# 422

Delta R.T. -0.00 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

Instrument :

BNA\_M

ClientSampleId :

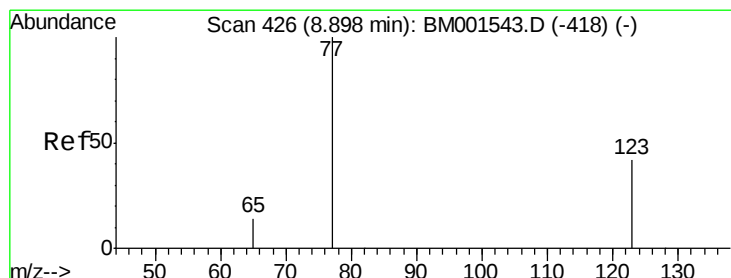
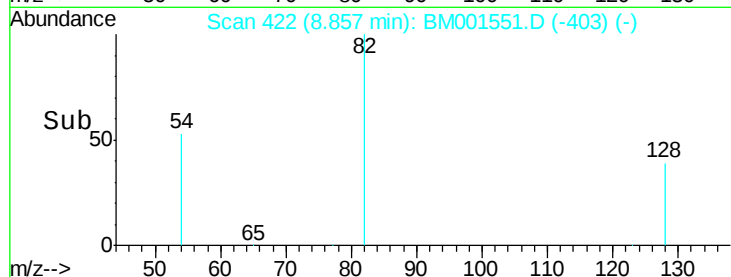
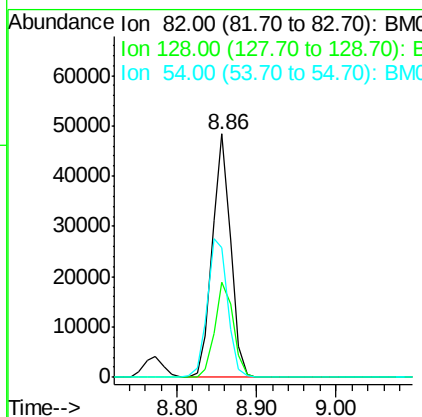
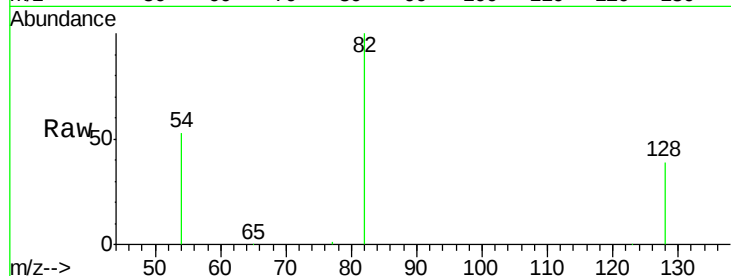
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| Tgt Ion   | 82   | Resp  | 76421 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 128       | 38.8 | 32.3  | 48.5  |
| 54        | 53.3 | 43.0  | 64.4  |



#8

Nitrobenzene

Concen: 7.84 ng

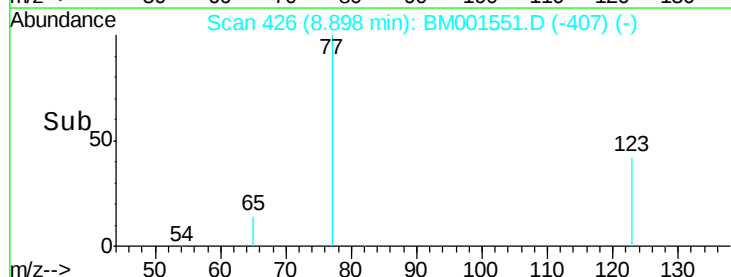
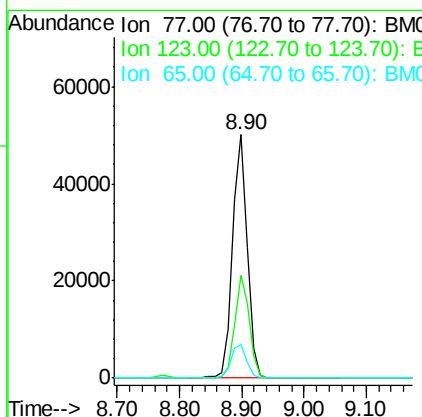
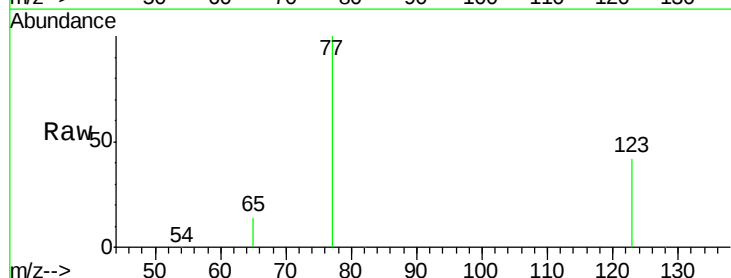
RT: 8.90 min Scan# 426

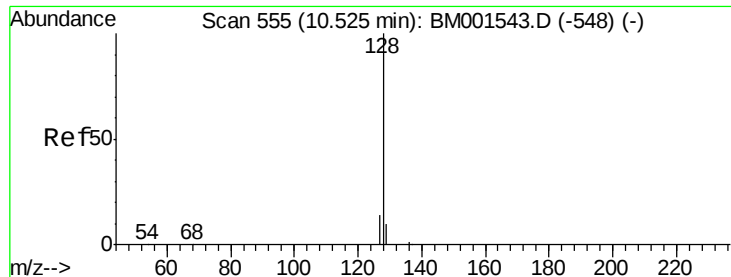
Delta R.T. -0.00 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

| Tgt Ion   | 77   | Resp  | 82255 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 123       | 41.7 | 32.5  | 48.7  |
| 65        | 14.5 | 11.8  | 17.6  |





#9

Naphthalene

Concen: 7.03 ng

RT: 10.52 min Scan# 555

Delta R.T. -0.00 min

Lab File: BM001551.D

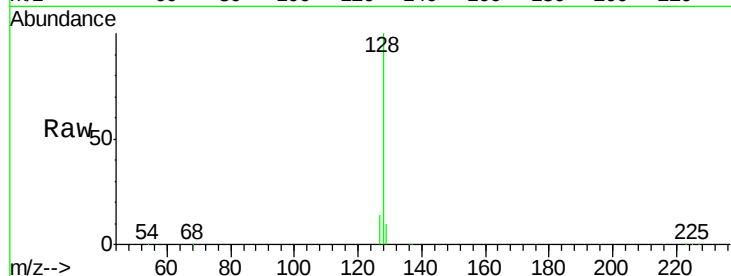
Acq: 04 Jun 2015 04:19

Instrument :

BNA\_M

ClientSampleId :

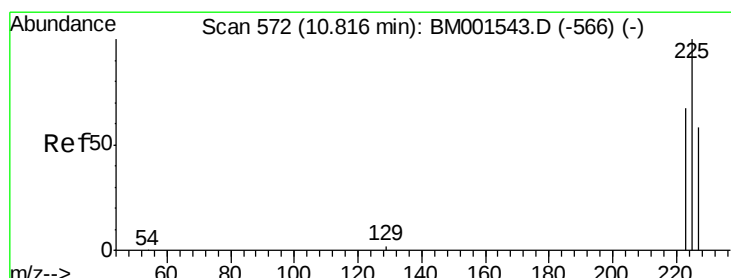
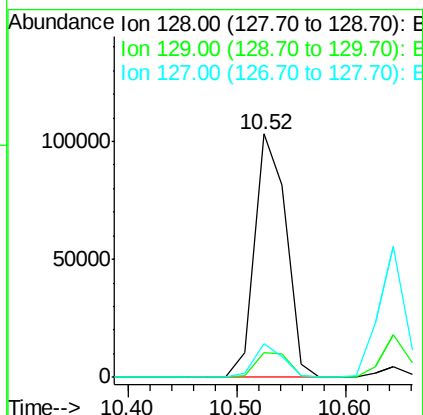
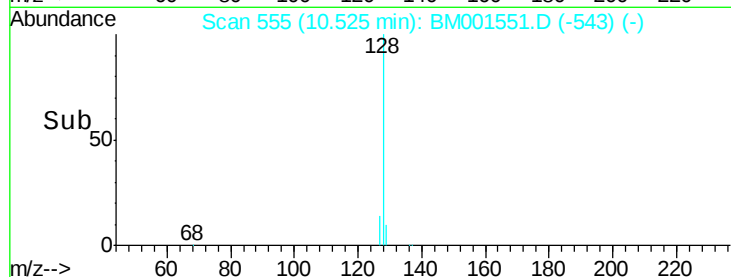
PB83718BSD



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.0  | 8.5   | 12.7  |
| 127     | 14.0  | 11.7  | 17.5  |

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#10

Hexachlorobutadiene

Concen: 7.13 ng

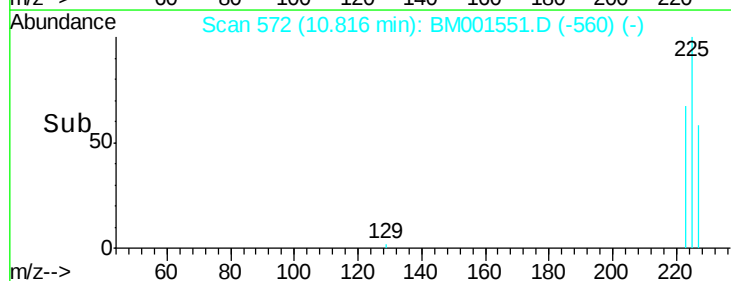
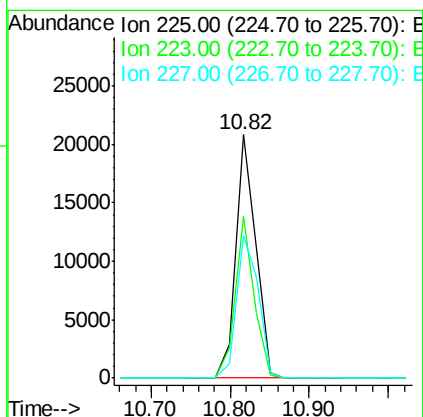
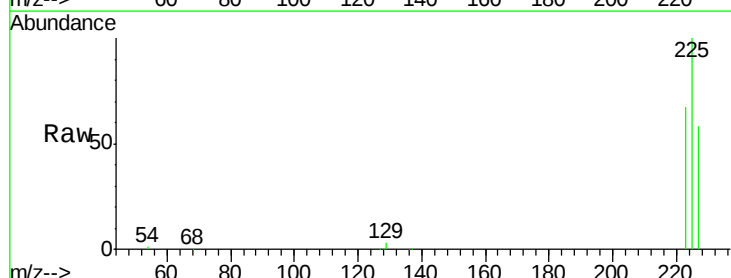
RT: 10.82 min Scan# 572

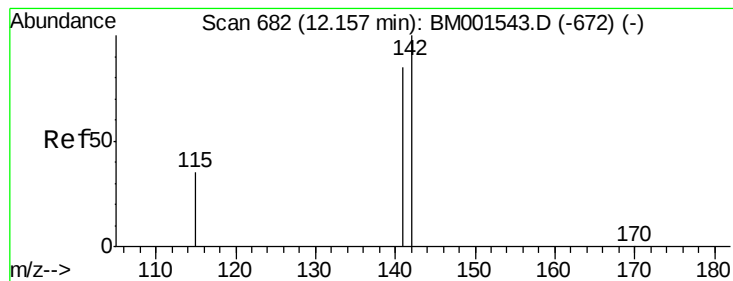
Delta R.T. -0.00 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.7  | 50.2  | 75.2  |
| 227     | 63.5  | 50.5  | 75.7  |





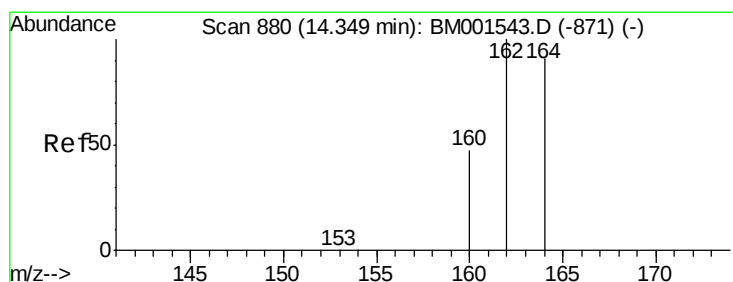
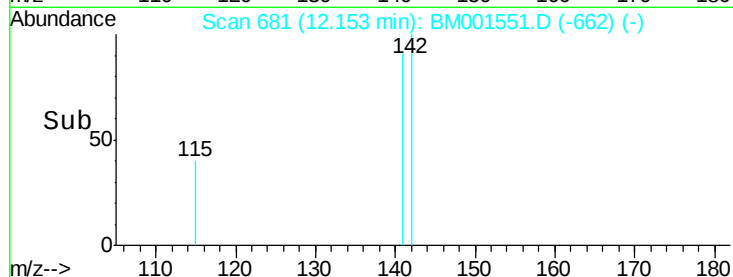
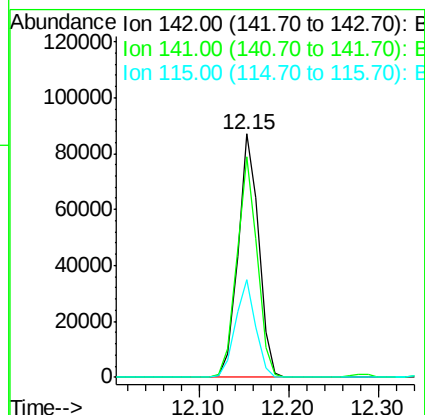
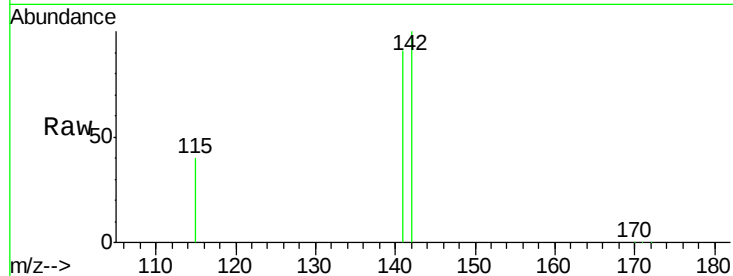
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2-Methylnaphthalene  
Concen: 7.45 ng  
RT: 12.15 min Scan# 681  
Delta R.T. -0.00 min  
Lab File: BM001551.D  
Acq: 04 Jun 2015 04:19

Instrument :  
BNA\_M  
ClientSampleId :  
PB83718BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.5  | 68.1  | 102.1 |
| 115     | 39.9  | 28.3  | 42.5  |

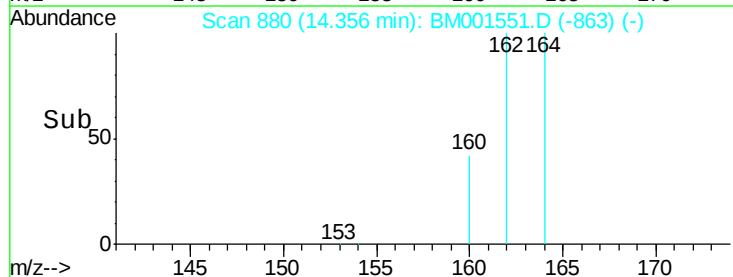
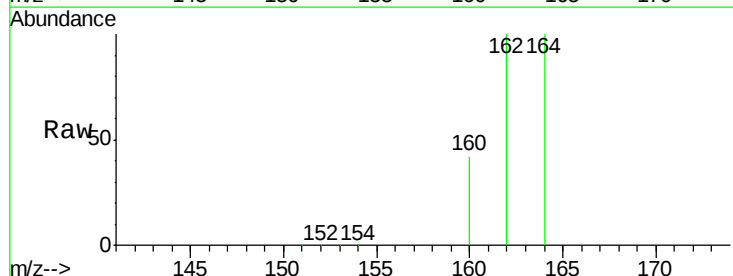
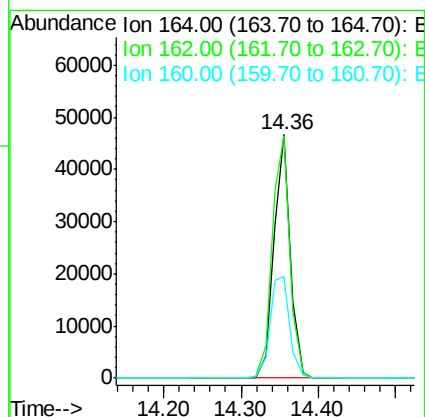
Manual Integrations  
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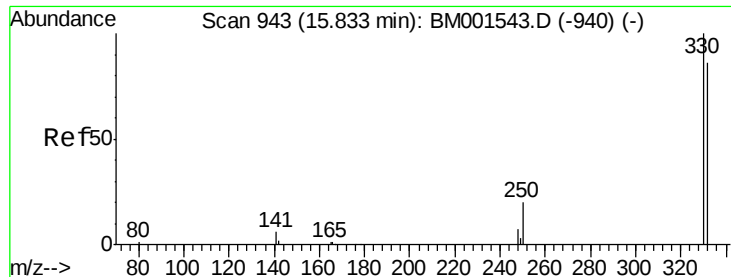
apatel  
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#12  
Acenaphthene-d10  
Concen: 5.00 ng  
RT: 14.36 min Scan# 880  
Delta R.T. 0.01 min  
Lab File: BM001551.D  
Acq: 04 Jun 2015 04:19

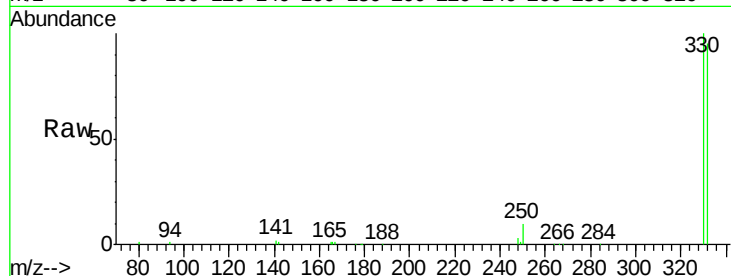
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 99.8  | 88.0  | 132.0 |
| 160     | 41.7  | 41.0  | 61.4  |





#13  
 2,4,6-Tribromophenol  
 Concen: 16.08 ng  
 RT: 15.84 min Scan# 943  
 Delta R.T. 0.01 min  
 Lab File: BM001551.D  
 Acq: 04 Jun 2015 04:19

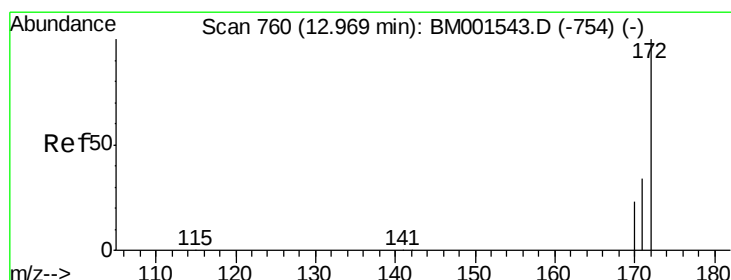
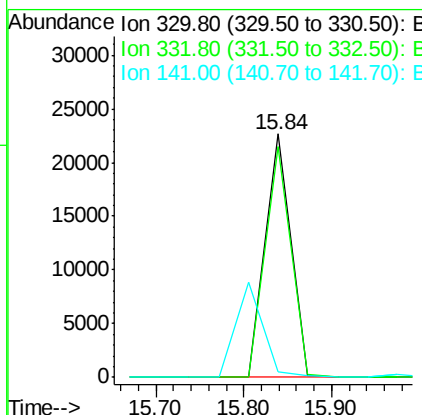
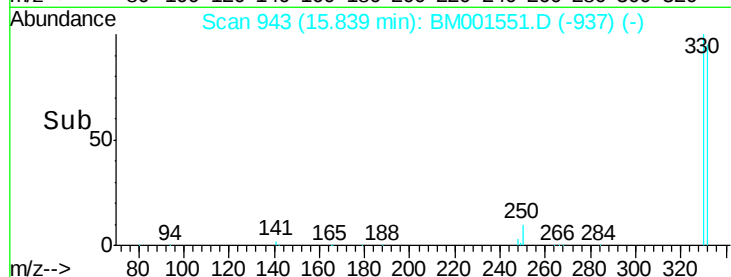
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB83718BSD



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.8  | 69.6  | 104.4 |
| 141     | 0.0   | 0.0   | 0.0   |

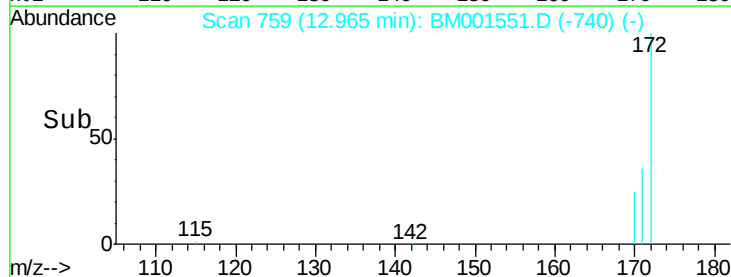
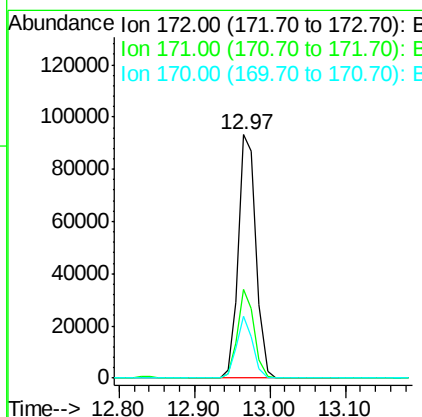
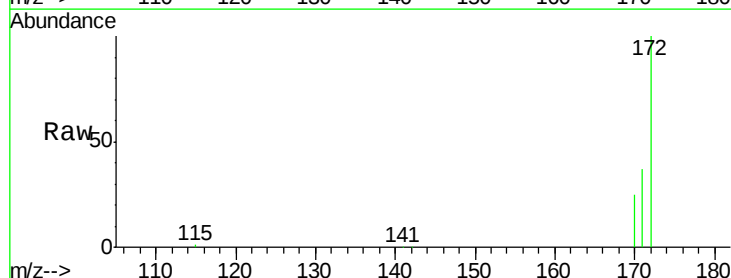
Manual Integrations  
 APPROVED

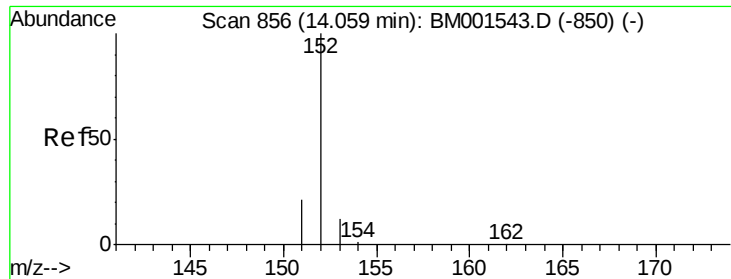
apatel  
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#14  
 2-Fluorobiphenyl  
 Concen: 7.37 ng  
 RT: 12.97 min Scan# 759  
 Delta R.T. -0.00 min  
 Lab File: BM001551.D  
 Acq: 04 Jun 2015 04:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.5  | 27.6  | 41.4  |
| 170     | 25.4  | 18.4  | 27.6  |





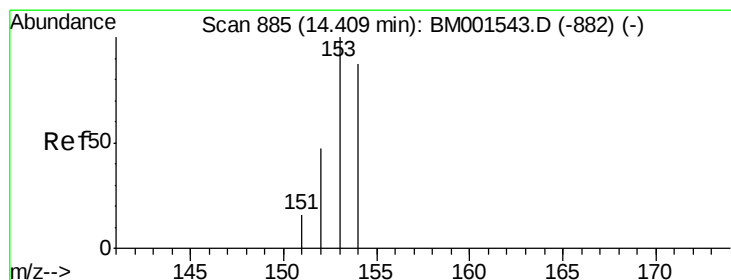
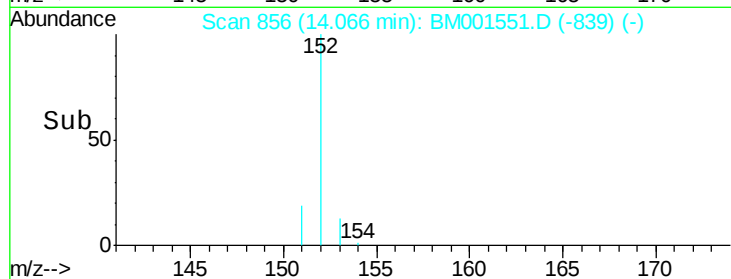
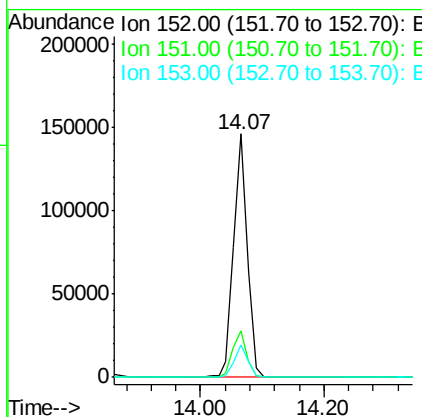
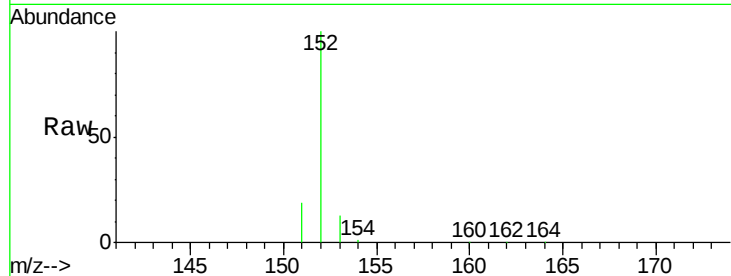
#15  
Acenaphthylene  
Concen: 7.29 ng  
RT: 14.07 min Scan# 856  
Delta R.T. 0.01 min  
Lab File: BM001551.D  
Acq: 04 Jun 2015 04:19

Instrument :  
BNA\_M  
ClientSampleId :  
PB83718BSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 220069 |       |       |
| 151     | 19.2  |        | 15.3  | 22.9  |
| 153     | 12.9  |        | 10.3  | 15.5  |

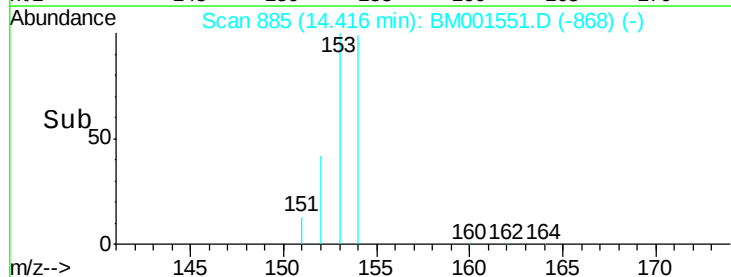
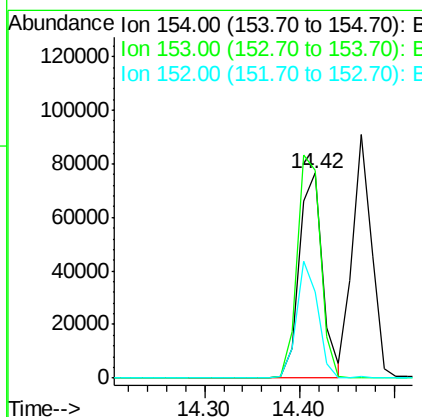
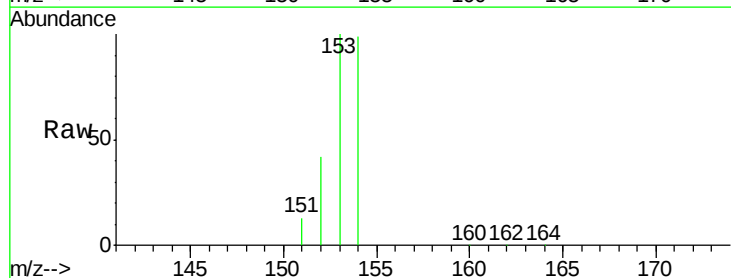
Manual Integrations  
APPROVED

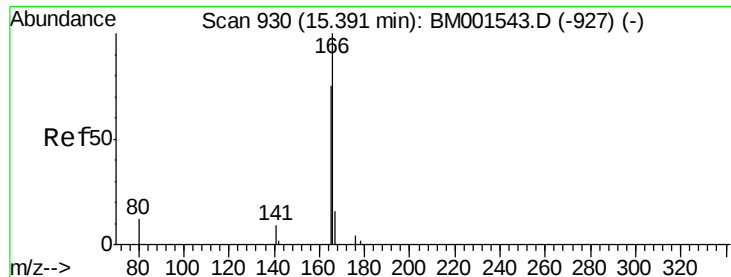
apatel  
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#16  
Acenaphthene  
Concen: 7.10 ng  
RT: 14.42 min Scan# 885  
Delta R.T. 0.01 min  
Lab File: BM001551.D  
Acq: 04 Jun 2015 04:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 154     | 100   | 129214 |       |       |
| 153     | 109.5 |        | 89.8  | 134.8 |
| 152     | 52.8  |        | 43.0  | 64.6  |





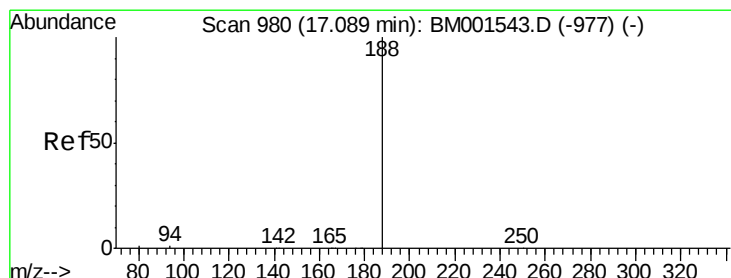
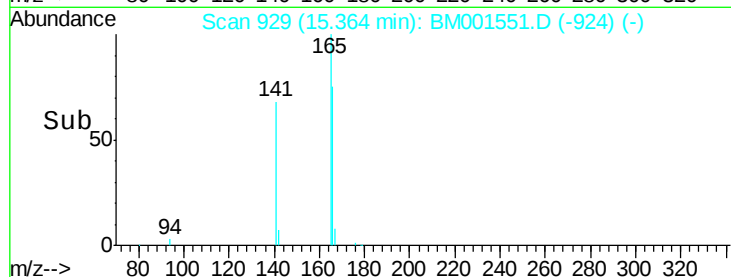
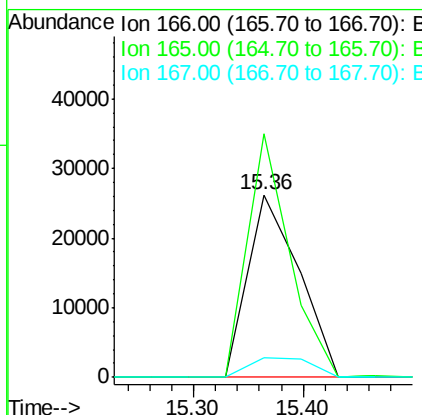
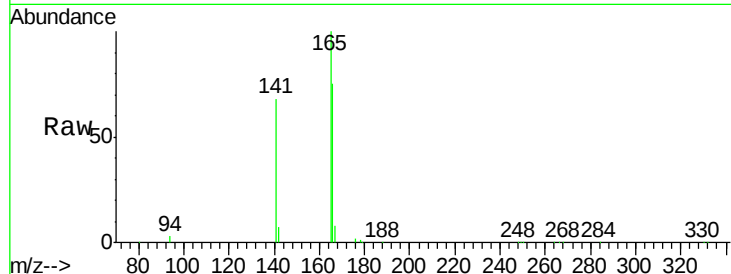
#17  
Fluorene  
Concen: 5.68 ng  
RT: 15.36 min Scan# 929  
Delta R.T. -0.03 min  
Lab File: BM001551.D  
Acq: 04 Jun 2015 04:19

Instrument :  
BNA\_M  
ClientSampleId :  
PB83718BSD

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 166     | 100   |       |        |
| 165     | 109.9 | 68.2  | 102.2# |
| 167     | 13.0  | 12.1  | 18.1   |

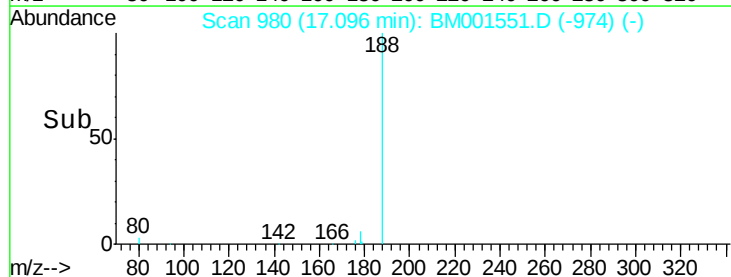
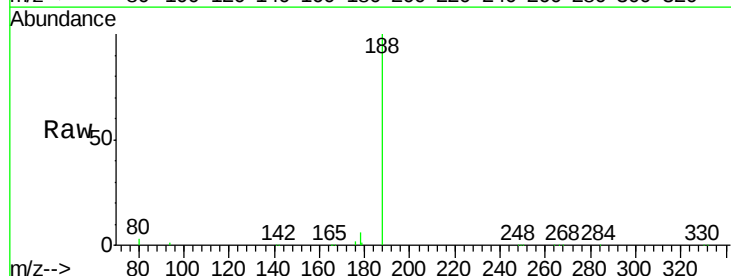
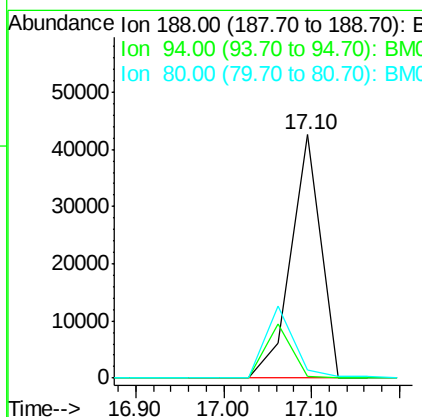
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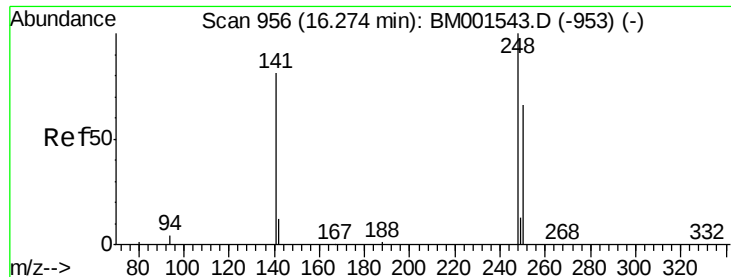
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#18  
Phenanthrene-d10  
Concen: 5.00 ng  
RT: 17.10 min Scan# 980  
Delta R.T. 0.01 min  
Lab File: BM001551.D  
Acq: 04 Jun 2015 04:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 0.6   | 1.0   | 1.4#  |
| 80      | 3.2   | 0.8   | 1.2#  |





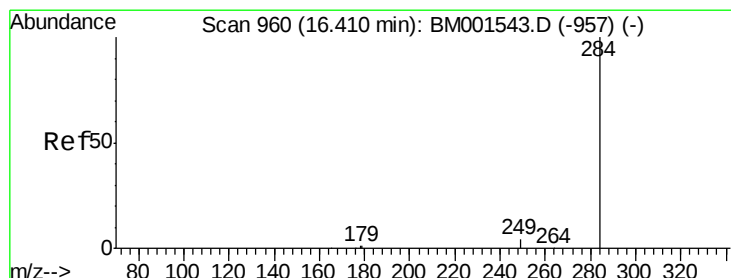
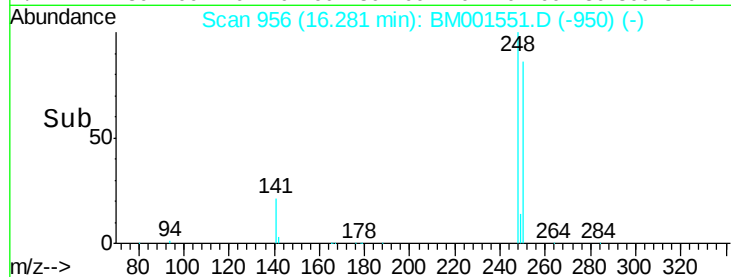
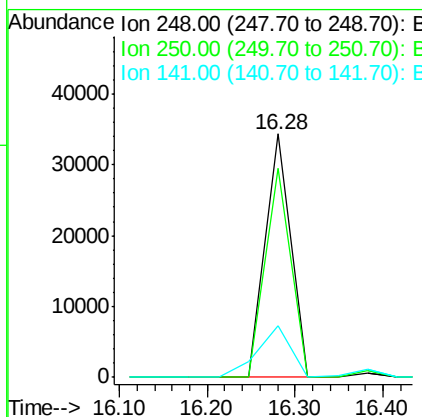
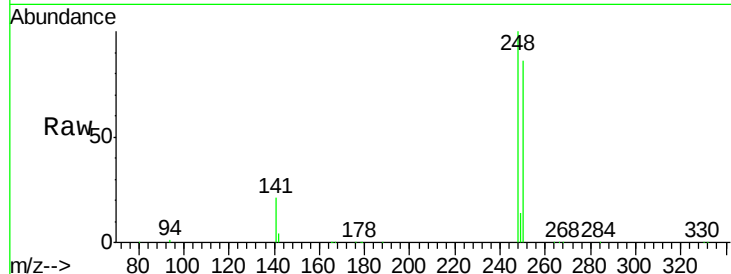
#19  
4-Bromophenyl-phenylether  
Concen: 18.02 ng  
RT: 16.28 min Scan# 956  
Delta R.T. 0.01 min  
Lab File: BM001551.D  
Acq: 04 Jun 2015 04:19

Instrument :  
BNA\_M  
ClientSampleId :  
PB83718BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 86.2  | 55.2  | 82.8# |
| 141     | 27.7  | 64.7  | 97.1# |

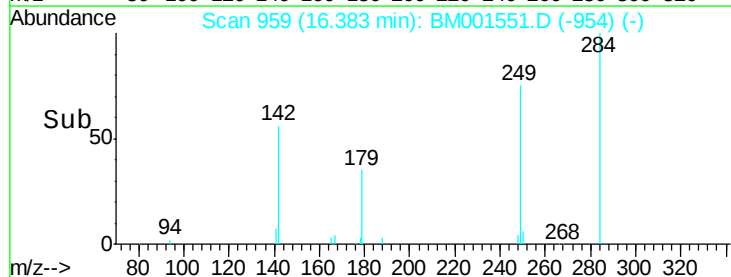
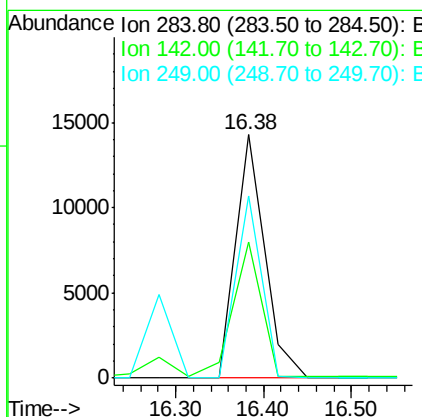
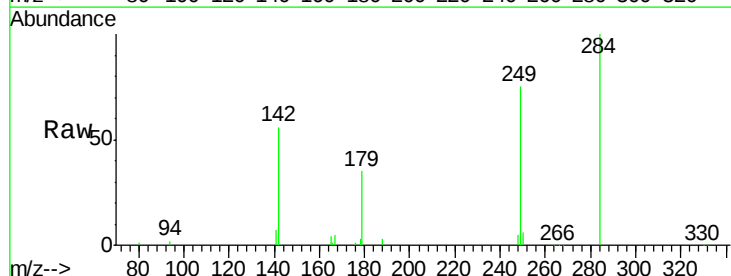
Manual Integrations  
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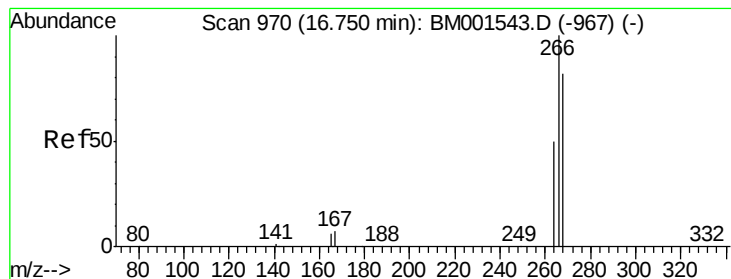
apatel  
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#20  
Hexachlorobenzene  
Concen: 15.96 ng  
RT: 16.38 min Scan# 959  
Delta R.T. -0.03 min  
Lab File: BM001551.D  
Acq: 04 Jun 2015 04:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 54.6  | 0.0   | 0.0#  |
| 249     | 66.0  | 0.0   | 0.0#  |





#21

Pentachlorophenol

Concen: 165.97 ng

RT: 16.76 min Scan# 970

Delta R.T. 0.01 min

Lab File: BM001551.D

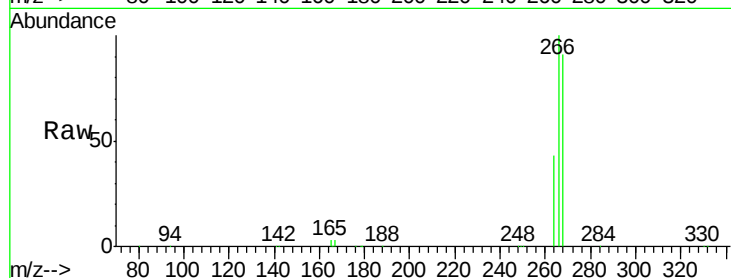
Acq: 04 Jun 2015 04:19

Instrument :

BNA\_M

ClientSampleId :

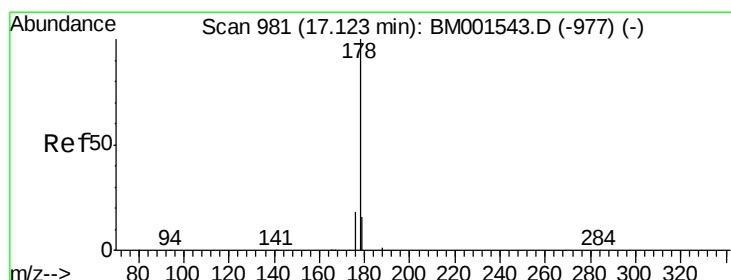
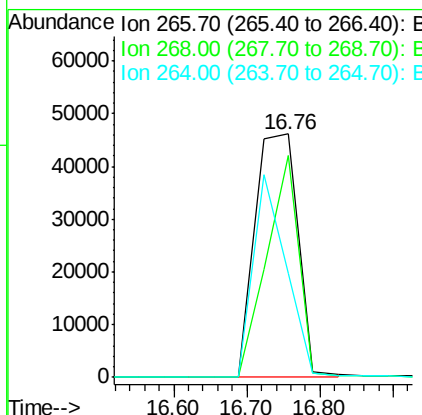
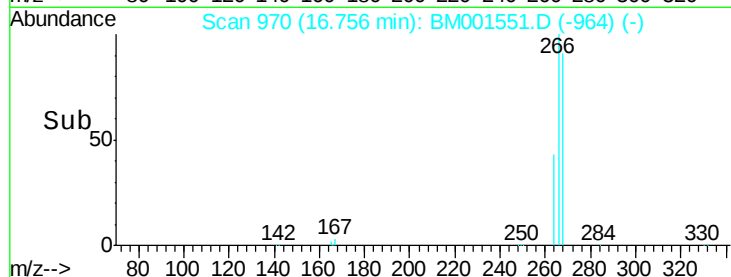
PB83718BSD



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 266   | Resp: | 189647 |
| Ion Ratio | Lower | Upper |        |
| 266       | 100   |       |        |
| 268       | 90.9  | 67.2  | 100.8  |
| 264       | 42.8  | 43.7  | 65.5#  |

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#22

Phenanthrene

Concen: 8.90 ng

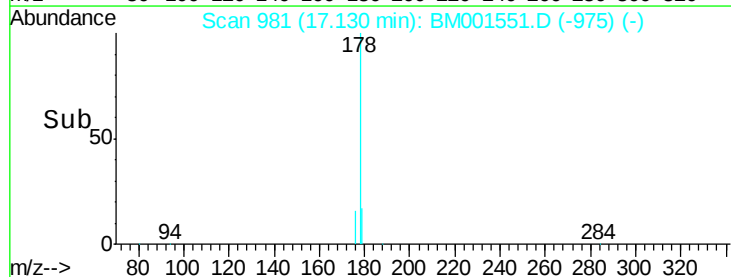
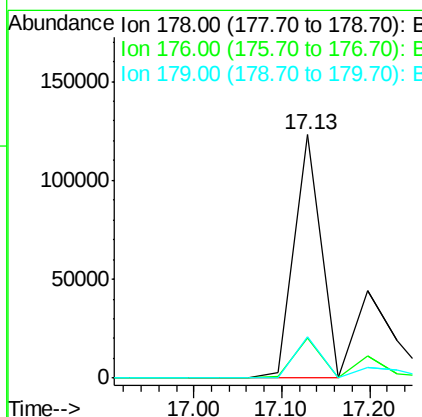
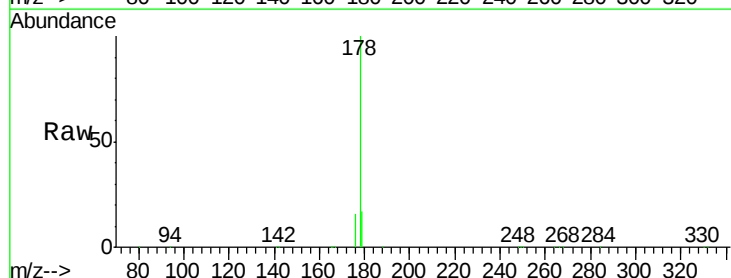
RT: 17.13 min Scan# 981

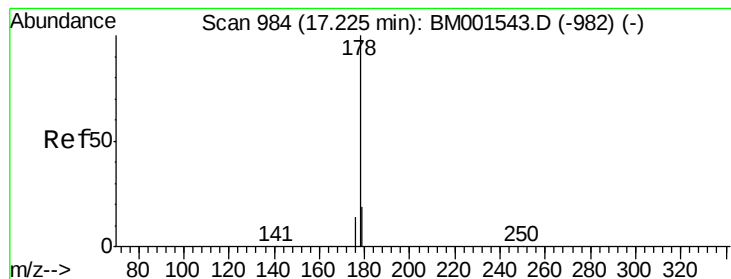
Delta R.T. 0.01 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 256697 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 16.7  | 14.7  | 22.1   |
| 179       | 16.6  | 12.7  | 19.1   |





#23

Anthracene

Concen: 9.87 ng m

RT: 17.20 min Scan# 983

Delta R.T. -0.03 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

Instrument :

BNA\_M

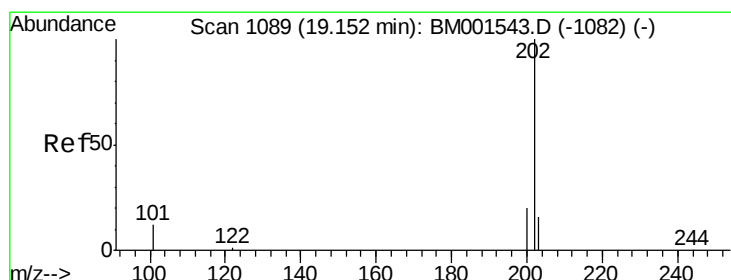
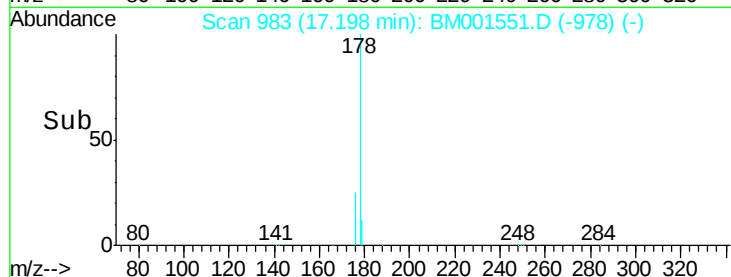
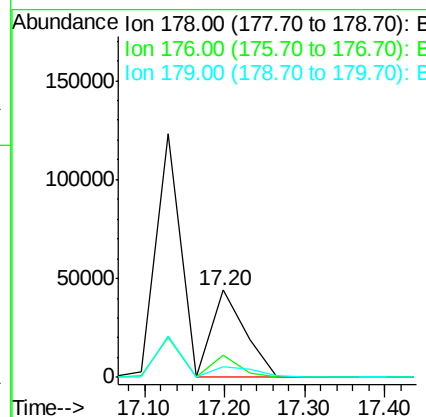
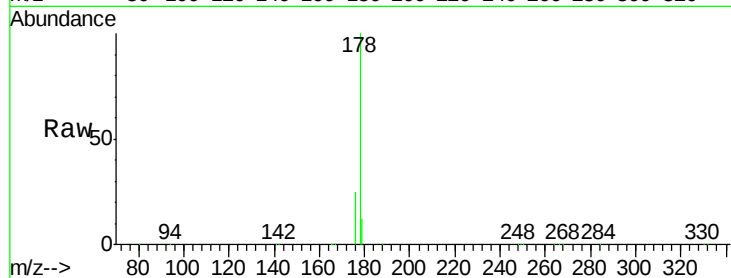
ClientSampleId :

PB83718BSD

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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 52.4  | 36.6  | 54.8  |
| 179     | 47.0  | 28.7  | 43.1  |



#24

Fluoranthene

Concen: 12.43 ng

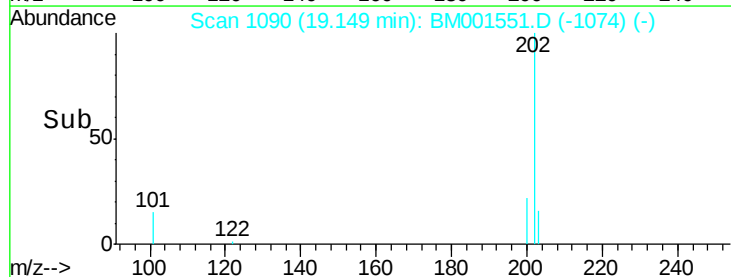
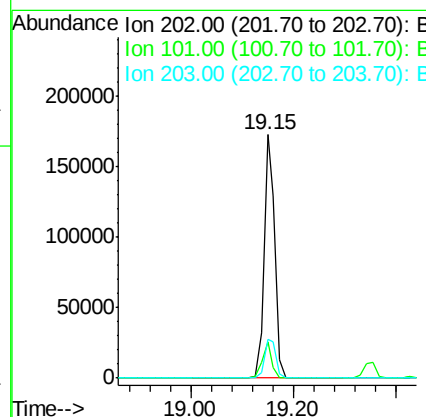
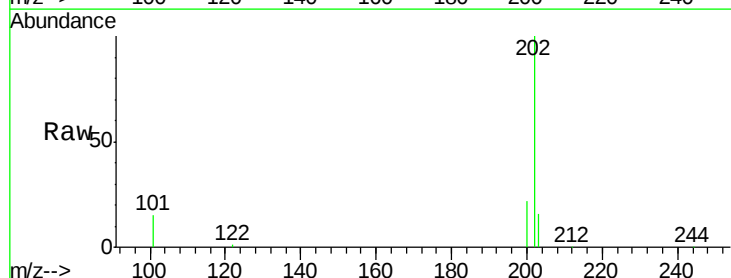
RT: 19.15 min Scan# 1090

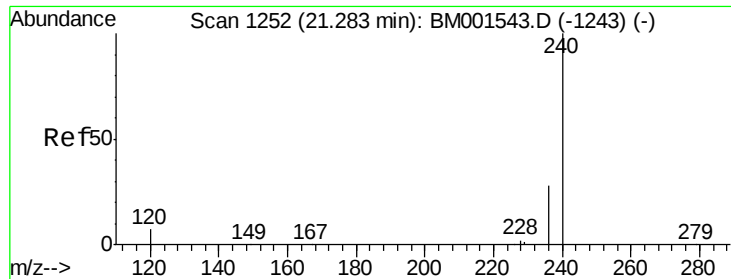
Delta R.T. -0.00 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 13.3  | 10.2  | 15.2  |
| 203     | 17.5  | 13.8  | 20.8  |





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.28 min Scan# 1253

Delta R.T. -0.00 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

Instrument :

BNA\_M

ClientSampleId :

PB83718BSD

Tgt Ion: 240 Resp: 103688

Ion Ratio Lower Upper

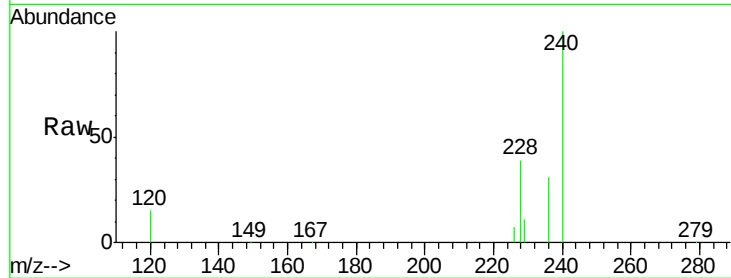
240 100

120 15.3 5.6 8.4#

236 31.0 22.4 33.6

Manual Integrations  
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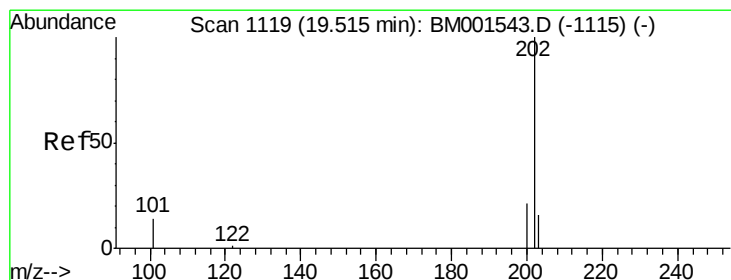
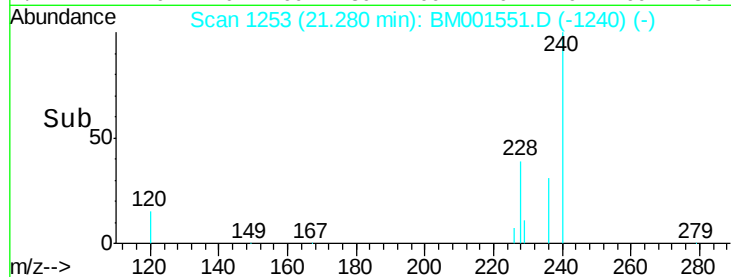
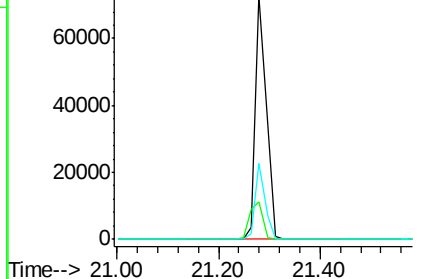
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#26

Pyrene

Concen: 8.52 ng

RT: 19.51 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BM001551.D

Acq: 04 Jun 2015 04:19

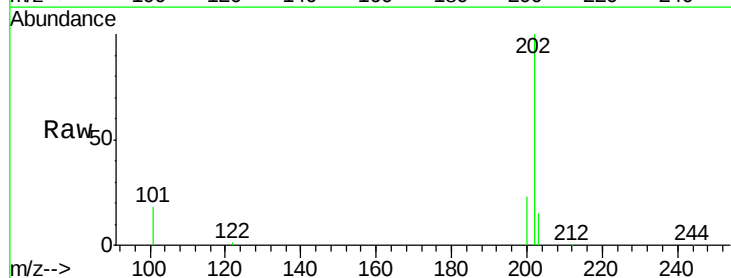
Tgt Ion: 202 Resp: 272058

Ion Ratio Lower Upper

202 100

200 20.7 16.6 25.0

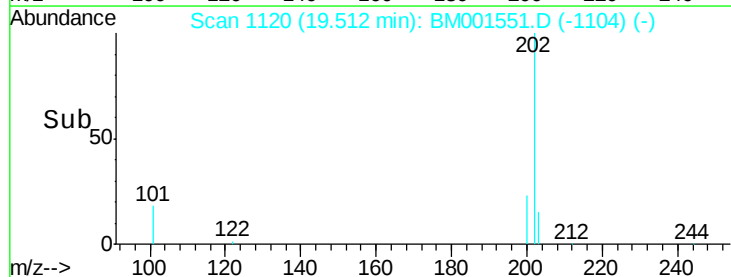
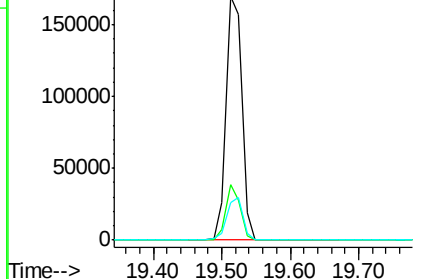
203 17.8 13.8 20.8

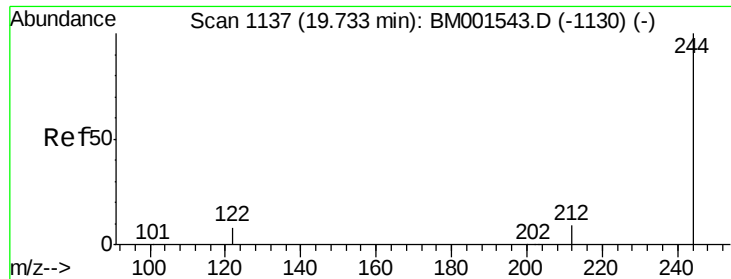


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





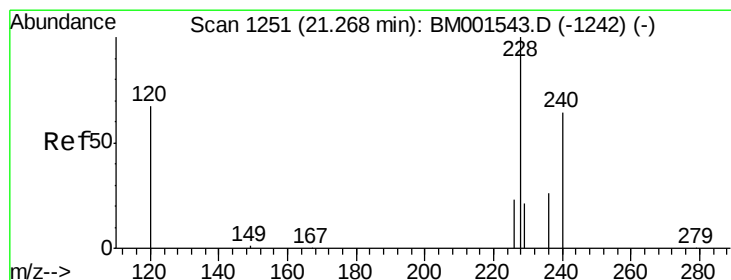
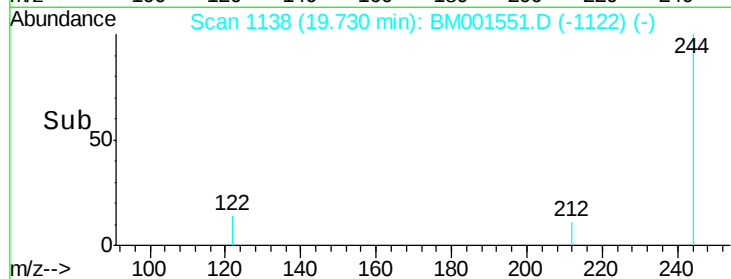
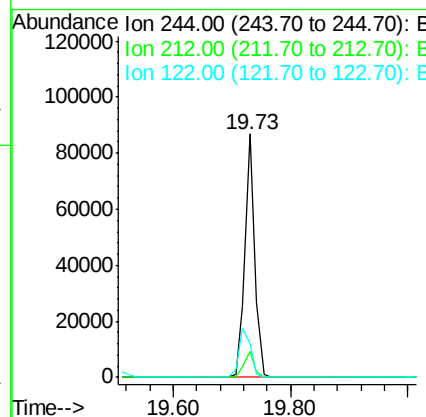
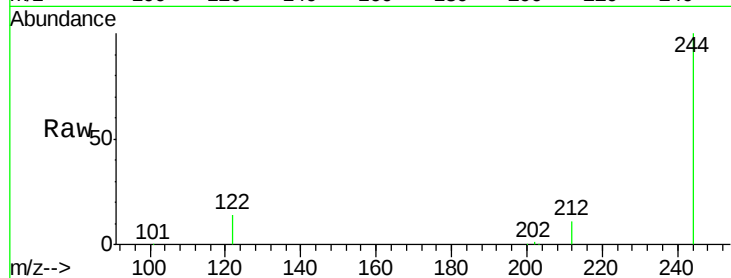
#27  
 Terphenyl-d14  
 Concen: 7.98 ng  
 RT: 19.73 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: BM001551.D  
 Acq: 04 Jun 2015 04:19

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB83718BSD

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 244     | 100   |            |            |
| 212     | 10.6  | 8.0        | 12.0       |
| 122     | 13.7  | 7.3        | 10.9       |

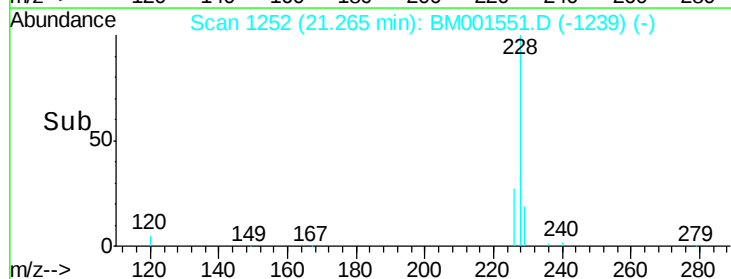
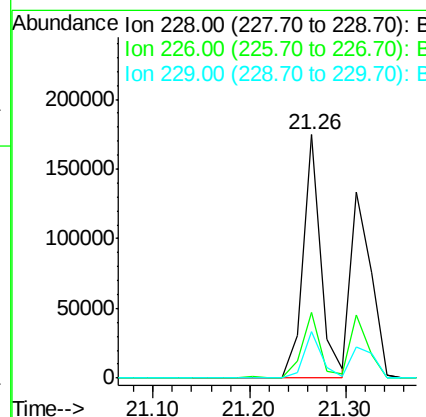
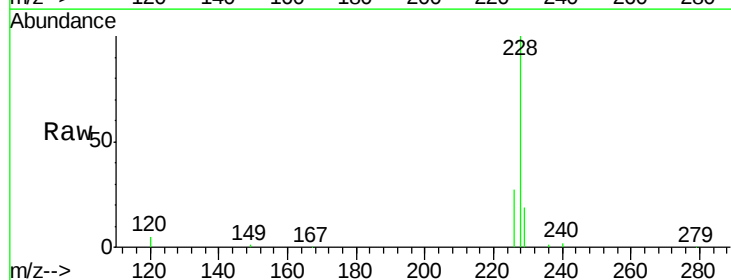
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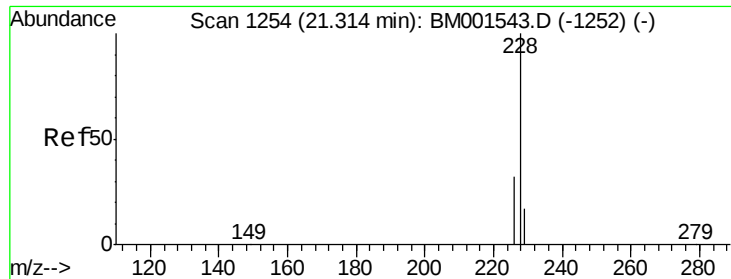
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#28  
 Benzo(a)anthracene  
 Concen: 7.71 ng  
 RT: 21.26 min Scan# 1252  
 Delta R.T. -0.00 min  
 Lab File: BM001551.D  
 Acq: 04 Jun 2015 04:19

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 228     | 100   |            |            |
| 226     | 26.8  | 19.0       | 28.4       |
| 229     | 19.0  | 16.9       | 25.3       |





#29

Chrysene

Concen: 7.55 ng

RT: 21.31 min Scan# 1255

Delta R.T. -0.00 min

Lab File: BM001551.D

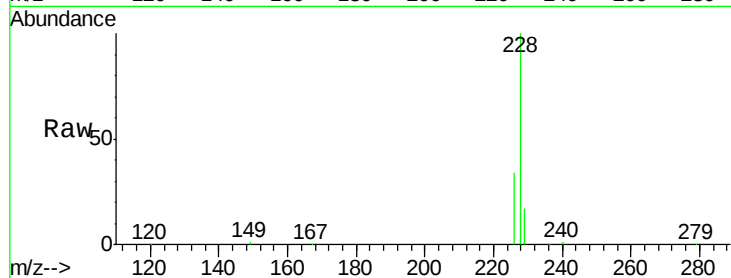
Acq: 04 Jun 2015 04:19

Instrument :

BNA\_M

ClientSampleId :

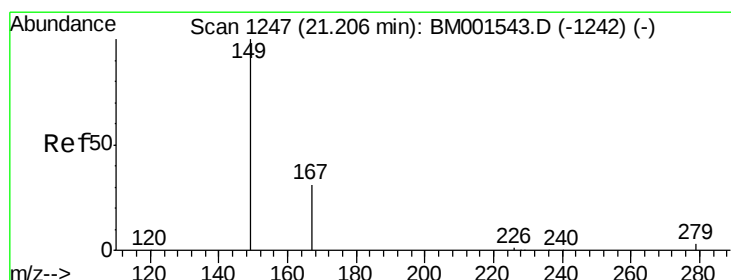
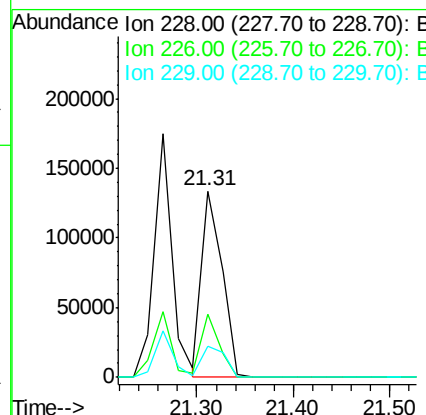
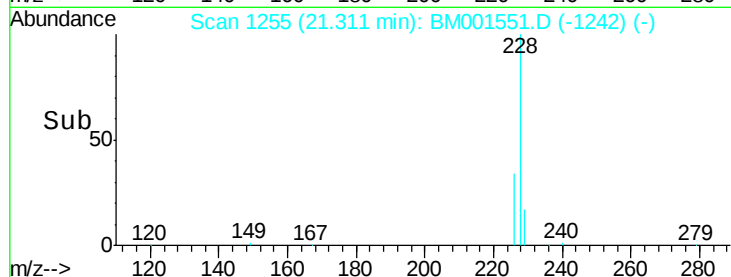
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|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 195634 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 33.9  | 25.2  | 37.8   |
| 229       | 16.7  | 14.7  | 22.1   |

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#30

Bis(2-ethylhexyl)phthalate

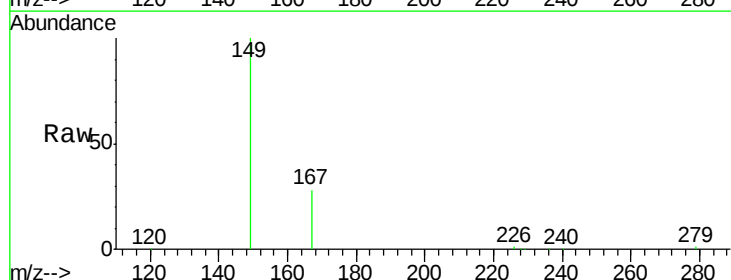
Concen: 9.12 ng

RT: 21.20 min Scan# 1248

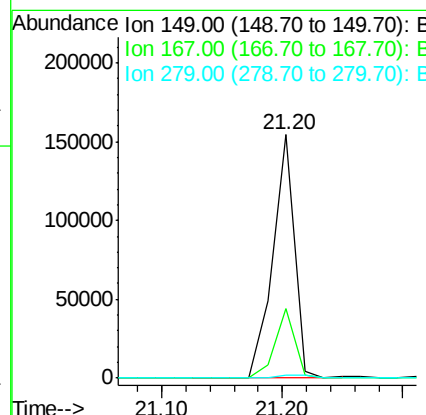
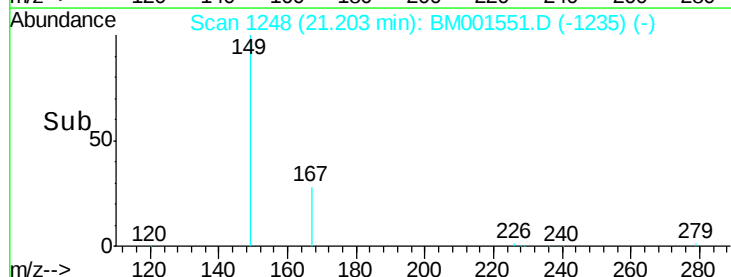
Delta R.T. -0.00 min

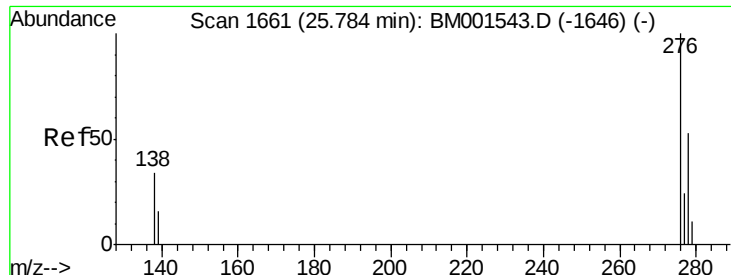
Lab File: BM001551.D

Acq: 04 Jun 2015 04:19



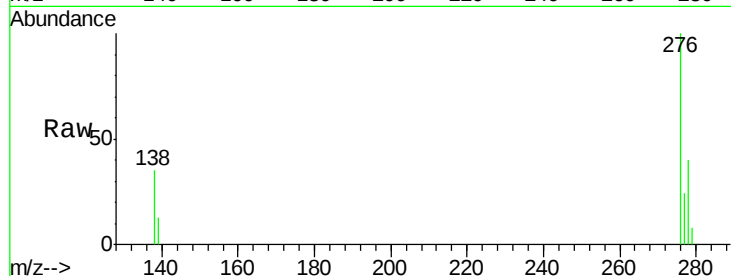
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 193069 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 26.1  | 20.5  | 30.7   |
| 279       | 2.0   | 1.7   | 2.5    |





#31  
 Indeno(1,2,3-cd)pyrene  
 Concen: 6.54 ng  
 RT: 25.78 min Scan# 1662  
 Delta R.T. -0.00 min  
 Lab File: BM001551.D  
 Acq: 04 Jun 2015 04:19

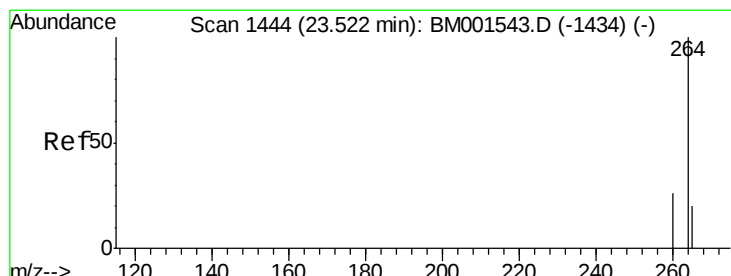
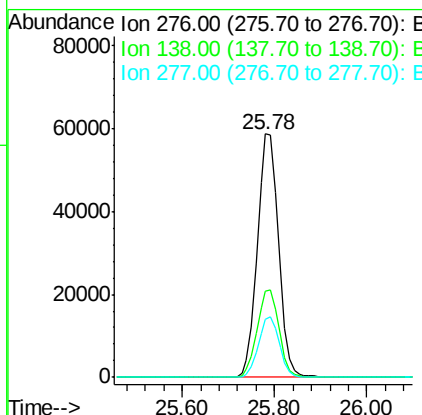
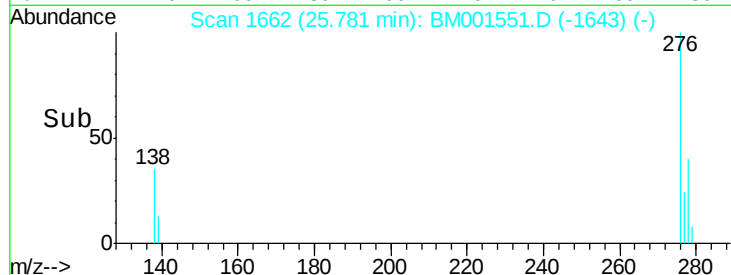
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB83718BSD



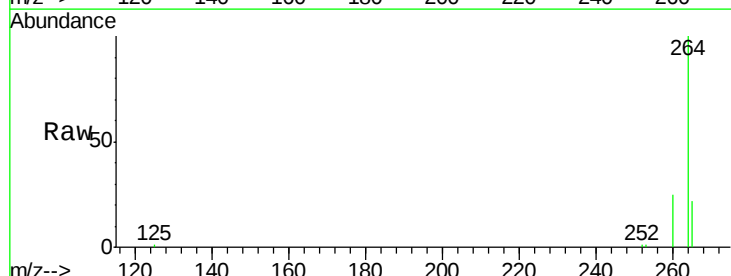
| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 276     | 100   |            |            |
| 138     | 36.8  | 28.3       | 42.5       |
| 277     | 24.7  | 19.6       | 29.4       |

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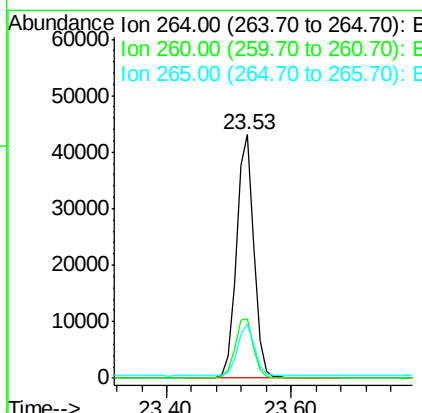
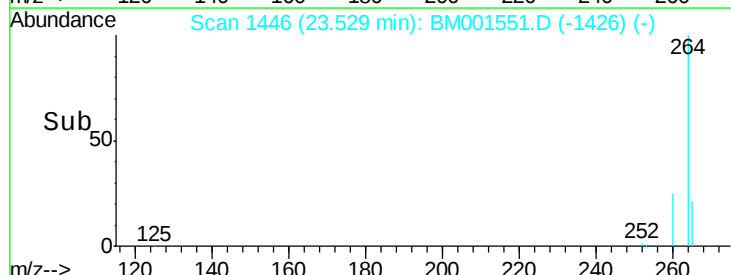
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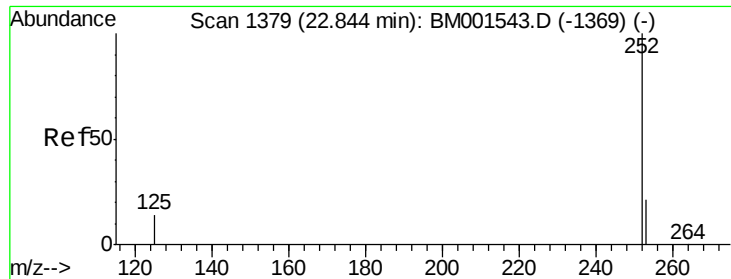


#32  
 Perylene-d12  
 Concen: 5.00 ng  
 RT: 23.53 min Scan# 1446  
 Delta R.T. 0.01 min  
 Lab File: BM001551.D  
 Acq: 04 Jun 2015 04:19



| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 264     | 100   |            |            |
| 260     | 24.6  | 21.1       | 31.7       |
| 265     | 22.4  | 17.1       | 25.7       |





#33

Benzo(b)fluoranthene

Concen: 8.63 ng

RT: 22.85 min Scan# 1381

Delta R.T. 0.01 min

Lab File: BM001551.D

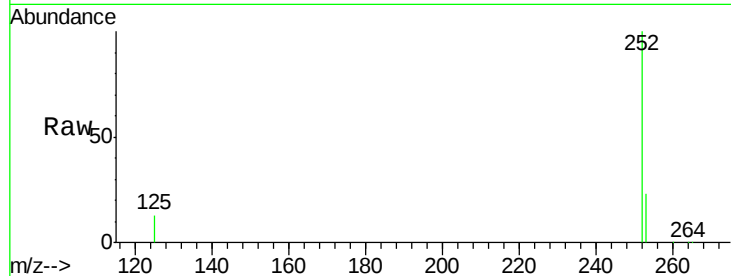
Acq: 04 Jun 2015 04:19

Instrument :

BNA\_M

ClientSampleId :

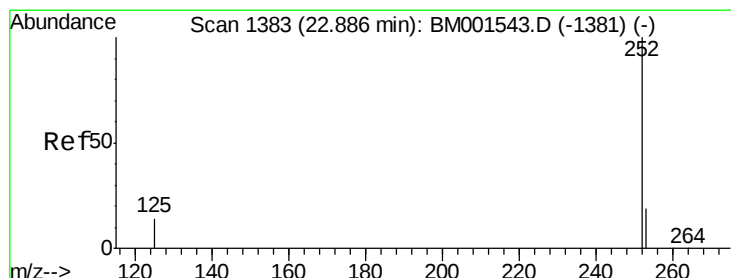
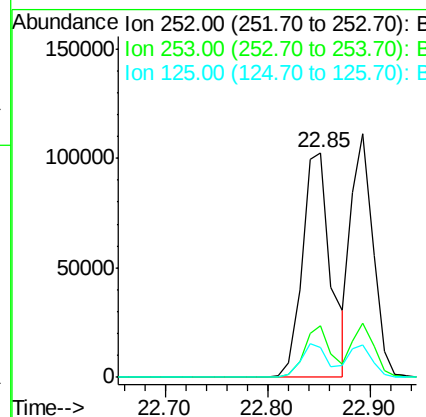
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.9  | 17.8  | 26.6  |
| 125     | 13.1  | 12.5  | 18.7  |

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#34

Benzo(k)fluoranthene

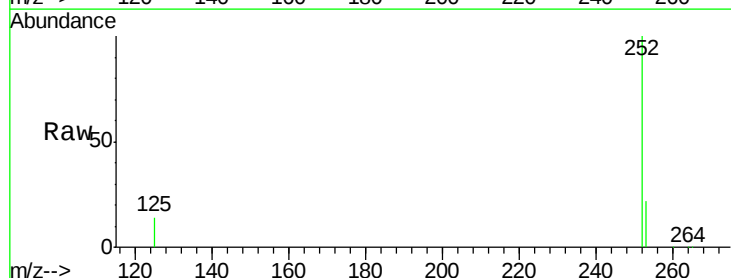
Concen: 7.68 ng

RT: 22.89 min Scan# 1385

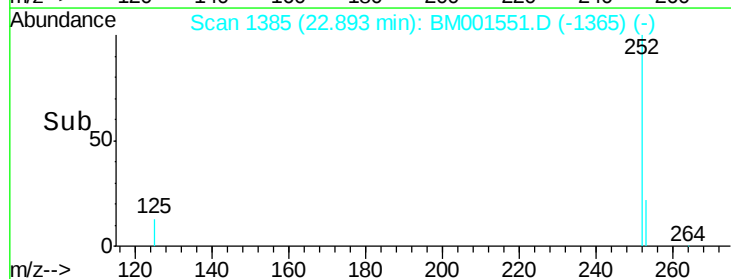
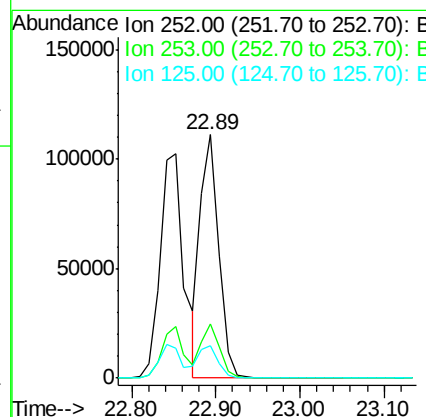
Delta R.T. 0.01 min

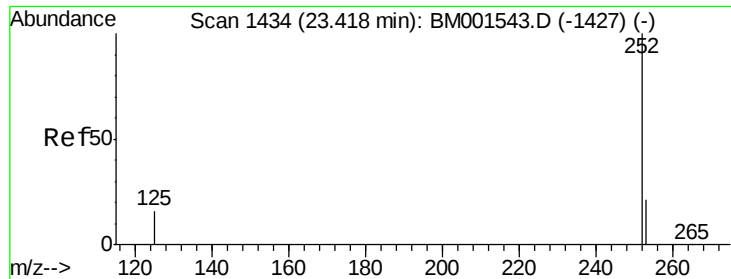
Lab File: BM001551.D

Acq: 04 Jun 2015 04:19



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.0  | 17.2  | 25.8  |
| 125     | 13.5  | 12.5  | 18.7  |





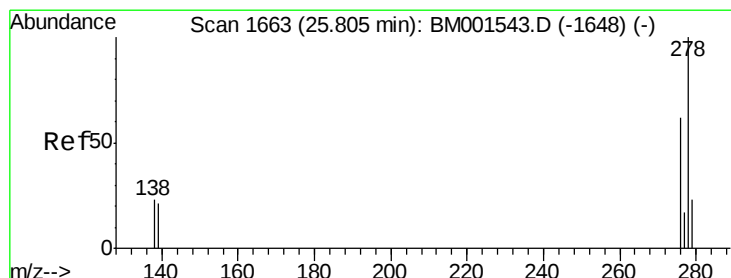
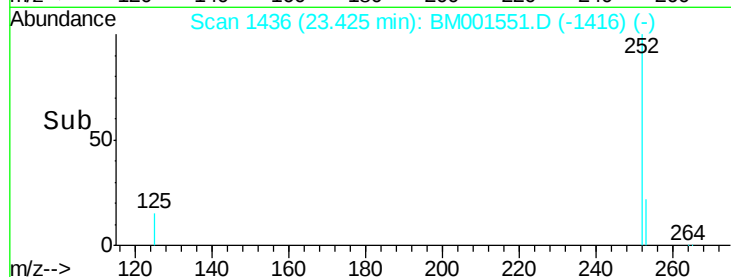
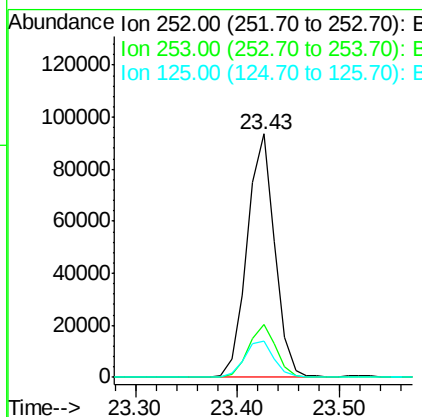
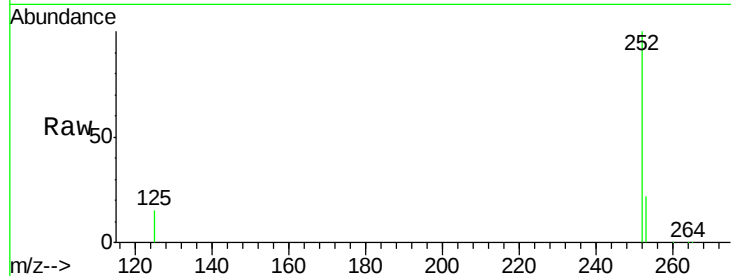
#35  
Benzo(a)pyrene  
Concen: 8.30 ng  
RT: 23.43 min Scan# 1436  
Delta R.T. 0.01 min  
Lab File: BM001551.D  
Acq: 04 Jun 2015 04:19

Instrument :  
BNA\_M  
ClientSampleId :  
PB83718BSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.8  | 17.6  | 26.4  |
| 125     | 14.9  | 14.3  | 21.5  |

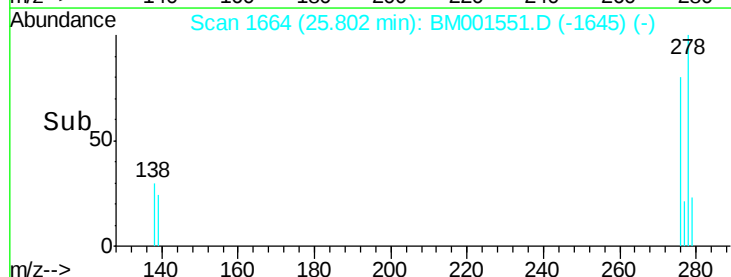
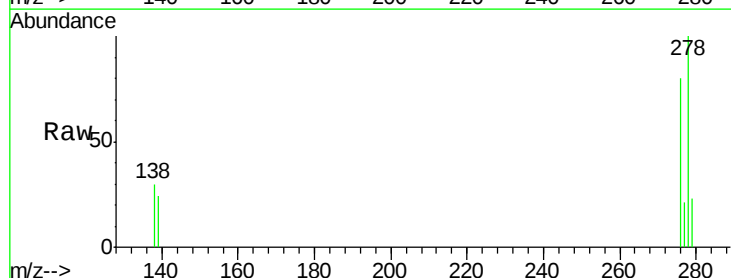
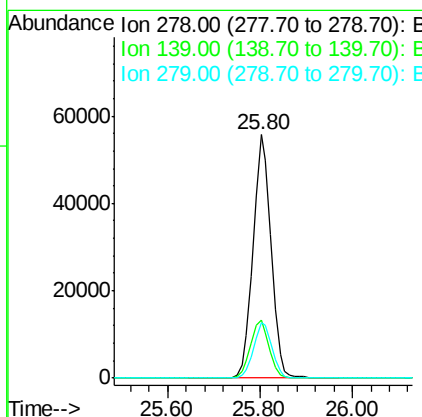
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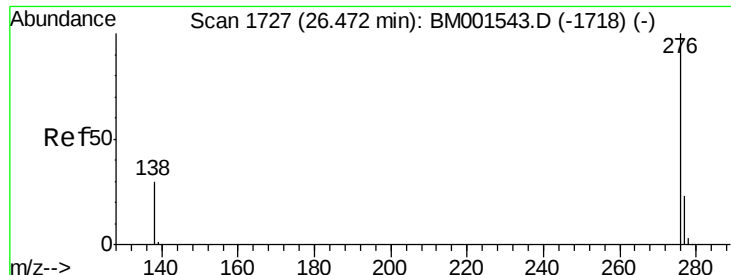
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#36  
Dibenzo(a,h)anthracene  
Concen: 7.75 ng  
RT: 25.80 min Scan# 1664  
Delta R.T. -0.00 min  
Lab File: BM001551.D  
Acq: 04 Jun 2015 04:19

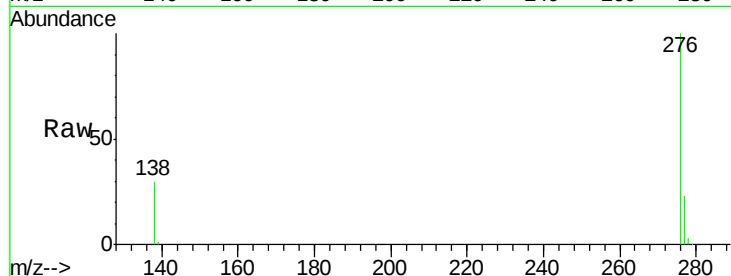
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 24.1  | 18.0  | 27.0  |
| 279     | 23.0  | 19.8  | 29.8  |





#37  
 Benzo(g,h,i)perylene  
 Concen: 7.54 ng  
 RT: 26.48 min Scan# 1729  
 Delta R.T. 0.01 min  
 Lab File: BM001551.D  
 Acq: 04 Jun 2015 04:19

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB83718BSD



|     |       |       |       |        |
|-----|-------|-------|-------|--------|
| Tgt | Ion   | 276   | Resp  | 154723 |
| Ion | Ratio | Lower | Upper |        |
| 276 | 100   |       |       |        |
| 277 | 23.5  | 19.3  | 28.9  |        |
| 138 | 30.5  | 25.0  | 37.6  |        |

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