

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120215\  
 Data File : BM003358.D  
 Acq On : 02 Dec 2015 15:30  
 Operator : UM/IZ  
 Sample : SSTDICC010  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDICC010

Manual Integrations  
 APPROVED

Mmdadoda  
 12/3/2015 7:07:52 PM

Quant Time: Dec 02 16:20:56 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM120215.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 02 15:27:33 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.72  | 152  | 63885    | 5.00 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.51 | 136  | 280427   | 5.00 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.37 | 164  | 157760   | 5.00 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.11 | 188  | 354263   | 5.00 | ng    | 0.00     |
| 26) Chrysene-d12          | 21.31 | 240  | 221367   | 5.00 | ng    | -0.02    |
| 35) Perylene-d12          | 23.58 | 264  | 172931   | 5.00 | ng    | 0.00     |

|                             |       |     |        |       |    |      |
|-----------------------------|-------|-----|--------|-------|----|------|
| System Monitoring Compounds |       |     |        |       |    |      |
| 4) 2-Fluorophenol           | 5.31  | 112 | 133519 | 10.55 | ng | 0.00 |
| 5) Phenol-d6                | 6.88  | 99  | 175662 | 11.40 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.88  | 82  | 151115 | 11.82 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.86 | 330 | 41969  | 13.35 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.00 | 172 | 451670 | 9.44  | ng | 0.00 |
| 29) Terphenyl-d14           | 19.76 | 244 | 340104 | 9.40  | ng | 0.00 |

|                                |       |     |         |        |    |       |
|--------------------------------|-------|-----|---------|--------|----|-------|
| Target Compounds               |       |     |         | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.23  | 88  | 51814   | 8.19   | ng | 95    |
| 3) n-Nitrosodimethylamine      | 3.52  | 42  | 63166   | 10.83  | ng | 98    |
| 6) bis(2-Chloroethyl)ether     | 7.14  | 93  | 151407  | 9.92   | ng | 99    |
| 9) Nitrobenzene                | 8.92  | 77  | 168232  | 12.21  | ng | 94    |
| 10) Naphthalene                | 10.56 | 128 | 577666  | 9.50   | ng | 98    |
| 11) Hexachlorobutadiene        | 10.85 | 225 | 89445m  | 9.55   | ng |       |
| 12) 2-Methylnaphthalene        | 12.18 | 142 | 411830  | 9.94   | ng | 93    |
| 16) Acenaphthylene             | 14.08 | 152 | 718744  | 11.78  | ng | 100   |
| 17) Acenaphthene               | 14.44 | 154 | 400960  | 9.57   | ng | # 100 |
| 18) Fluorene                   | 15.42 | 166 | 457537  | 9.69   | ng | 99    |
| 20) 4-Bromophenyl-phenylether  | 16.32 | 248 | 99851   | 9.76   | ng | # 35  |
| 21) Hexachlorobenzene          | 16.42 | 284 | 113144  | 9.14   | ng | # 58  |
| 22) Pentachlorophenol          | 16.78 | 266 | 56180   | 15.35  | ng | # 78  |
| 23) Phenanthrene               | 17.16 | 178 | 616114m | 8.90   | ng |       |
| 24) Anthracene                 | 17.24 | 178 | 792271  | 11.17  | ng | 97    |
| 25) Fluoranthene               | 19.19 | 202 | 704300  | 9.94   | ng | 100   |
| 27) Benzidine                  | 19.36 | 184 | 287979  | 17.37  | ng | 94    |
| 28) Pyrene                     | 19.55 | 202 | 767434  | 9.51   | ng | 100   |
| 30) Benzo(a)anthracene         | 21.29 | 228 | 666239  | 11.34  | ng | # 86  |
| 31) 3,3'-Dichlorobenzidine     | 21.25 | 252 | 174837  | 11.53  | ng | # 80  |
| 33) Bis(2-ethylhexyl)phthalate | 21.23 | 149 | 402455  | 13.96  | ng | # 90  |
| 34) Indeno(1,2,3-cd)pyrene     | 25.85 | 276 | 518074  | 10.07  | ng | # 80  |
| 36) Benzo(b)fluoranthene       | 22.89 | 252 | 518766  | 9.83   | ng | 99    |
| 37) Benzo(k)fluoranthene       | 22.94 | 252 | 502601  | 10.73  | ng | 99    |
| 38) Benzo(a)pyrene             | 23.48 | 252 | 469833  | 11.02  | ng | 98    |
| 39) Dibenzo(a,h)anthracene     | 25.87 | 278 | 417535  | 10.73  | ng | 97    |
| 40) Benzo(g,h,i)perylene       | 26.55 | 276 | 429319  | 10.40  | ng | 97    |

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

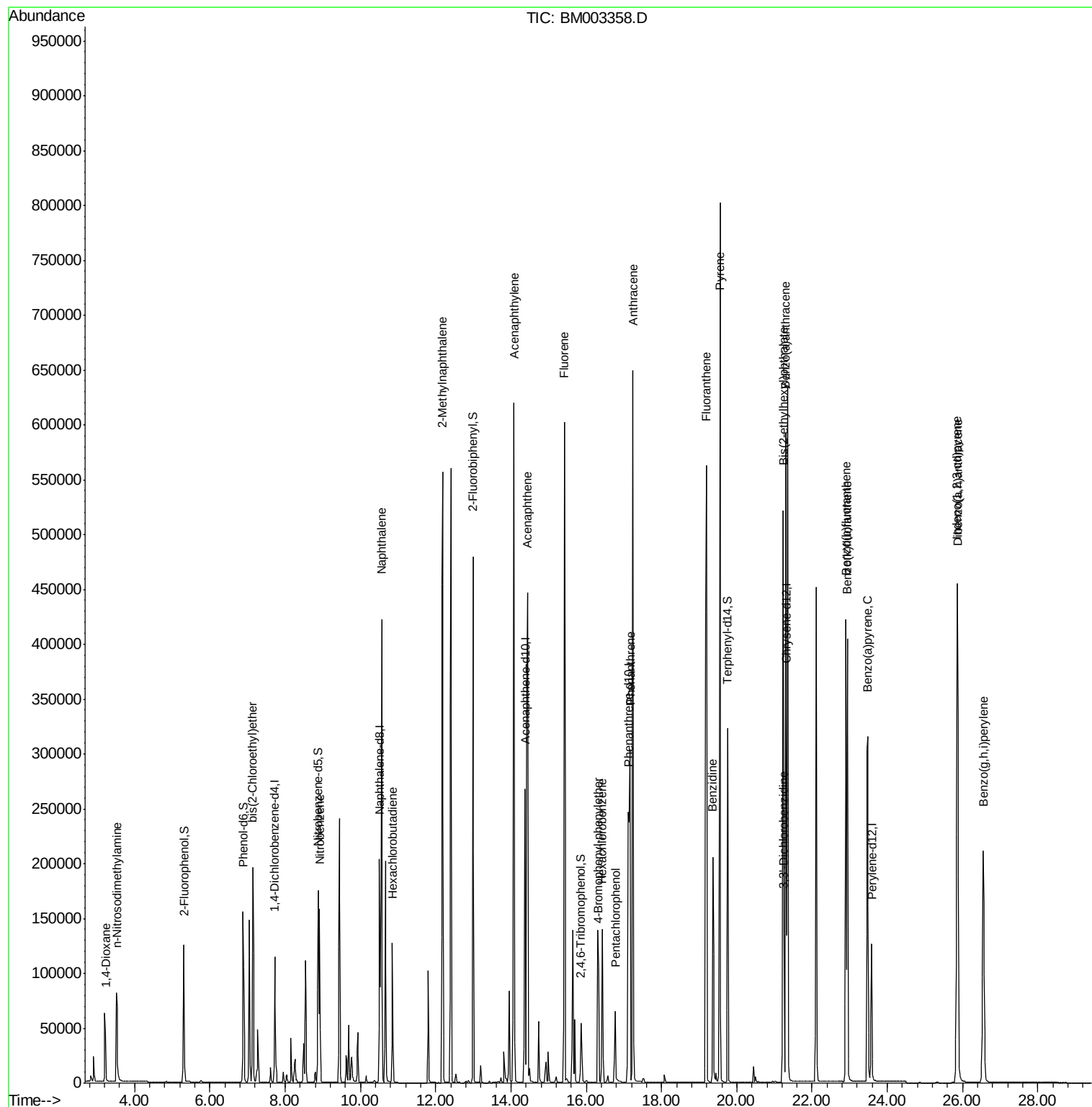
Data Path : Z:\HPCHEM1\BNA M\DATA\BM120215\  
Data File : BM003358.D  
Acq On : 02 Dec 2015 15:30  
Operator : UM/IZ  
Sample : SSTDICC010  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

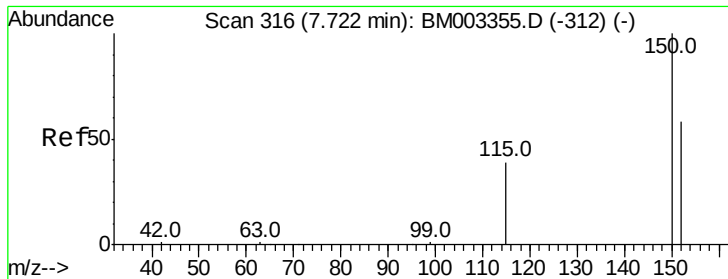
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDICC010

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Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM120215.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 02 15:27:33 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.72 min Scan# 316

Delta R.T. 0.00 min

Lab File: BM003358.D

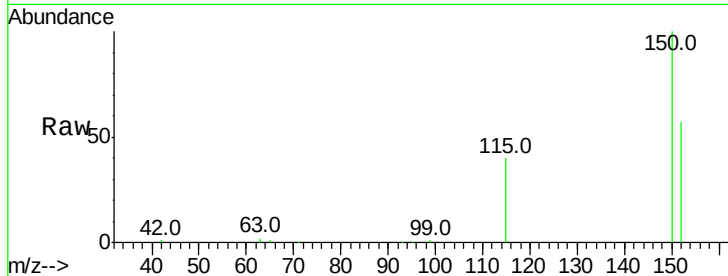
Acq: 02 Dec 2015 15:30

Instrument :

BNA\_M

ClientSampleId :

SSTDICC010



Tot Ion:152 Resp: 63885

Ion Ratio Lower Upper

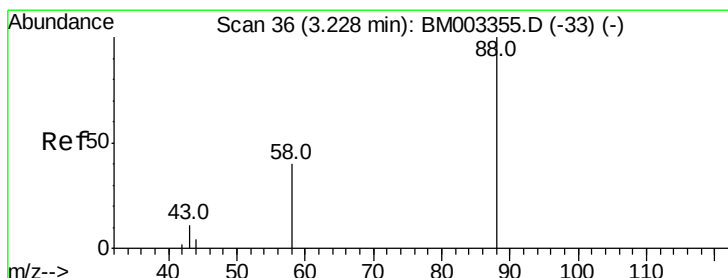
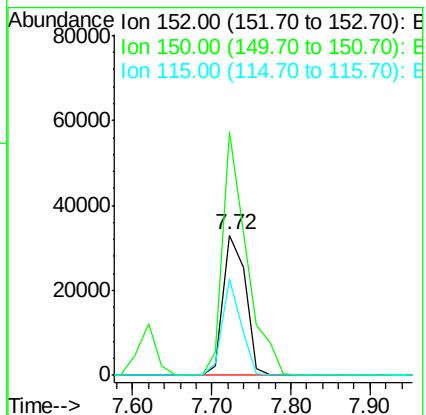
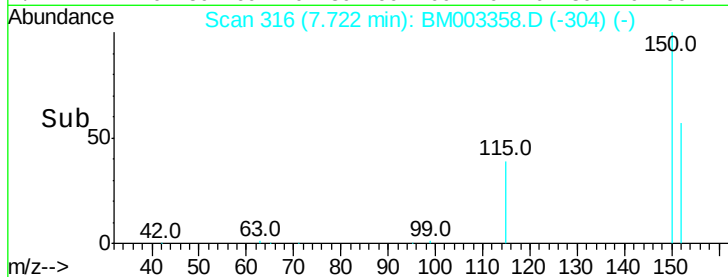
152 100

150 174.0 143.6 215.4

115 68.9 58.5 87.7

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#2

1,4-Dioxane

Concen: 8.19 ng

RT: 3.23 min Scan# 36

Delta R.T. 0.00 min

Lab File: BM003358.D

Acq: 02 Dec 2015 15:30

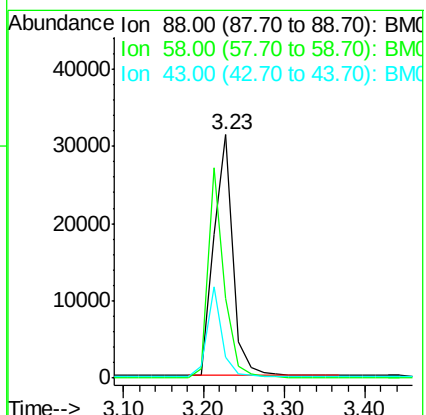
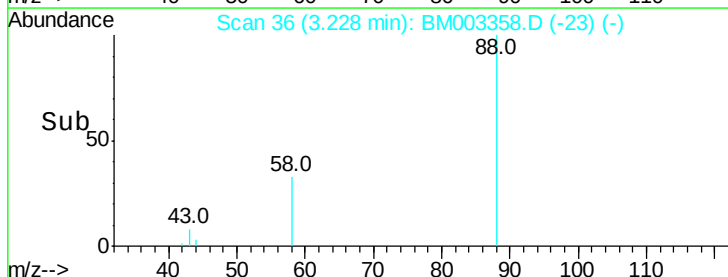
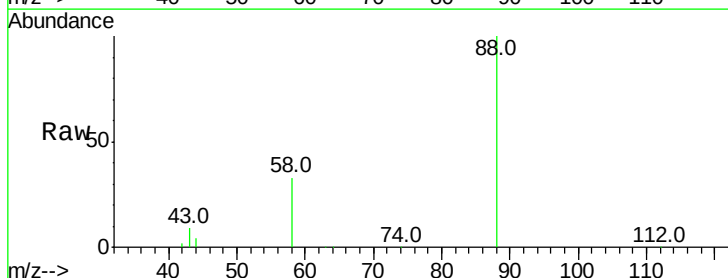
Tgt Ion: 88 Resp: 51814

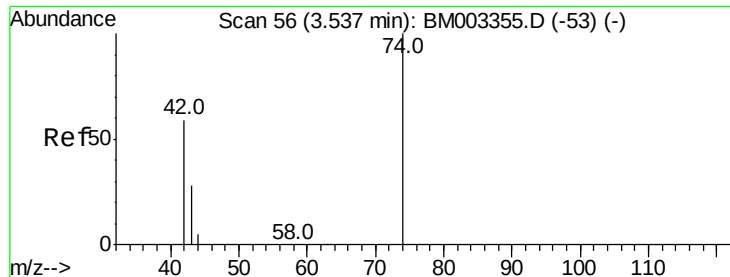
Ion Ratio Lower Upper

88 100

58 73.4 55.2 82.8

43 29.3 21.8 32.6





#3

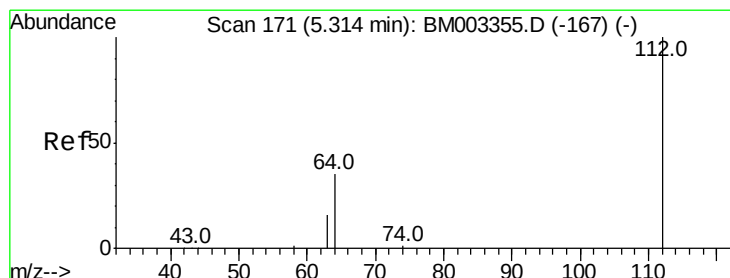
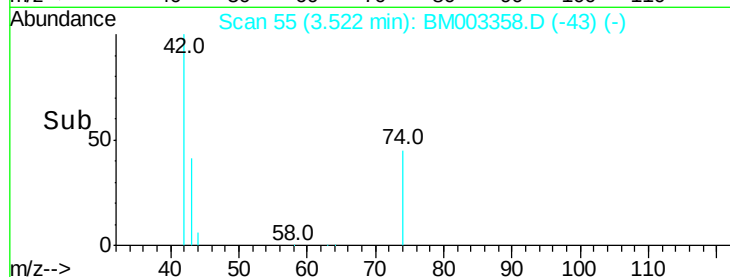
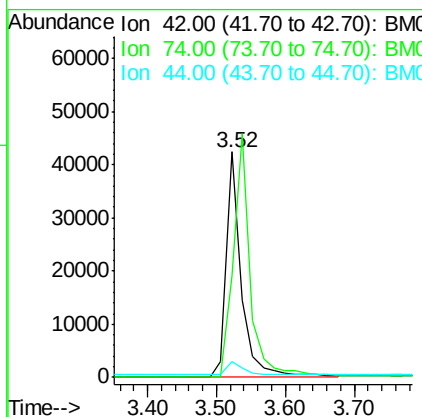
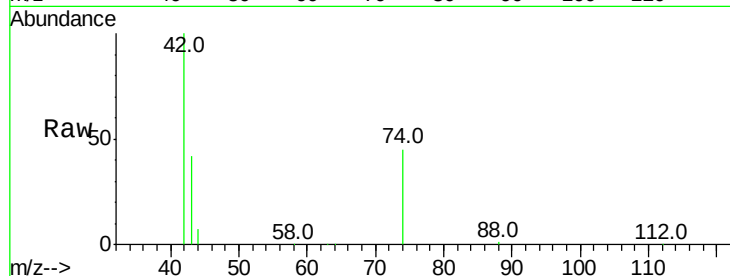
n-Nitrosodimethylamine  
Concen: 10.83 ng  
RT: 3.52 min Scan# 55  
Delta R.T. -0.02 min  
Lab File: BM003358.D  
Acq: 02 Dec 2015 15:30

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDICC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 124.5 | 101.0 | 151.4 |
| 44      | 6.4   | 6.3   | 9.5   |

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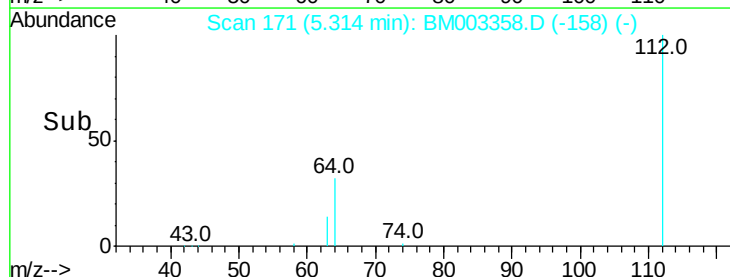
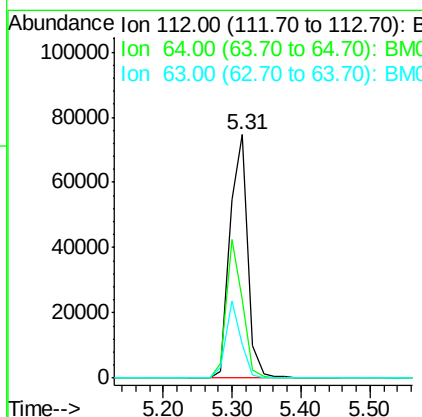
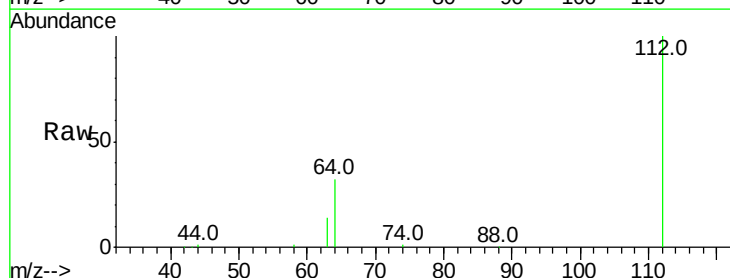
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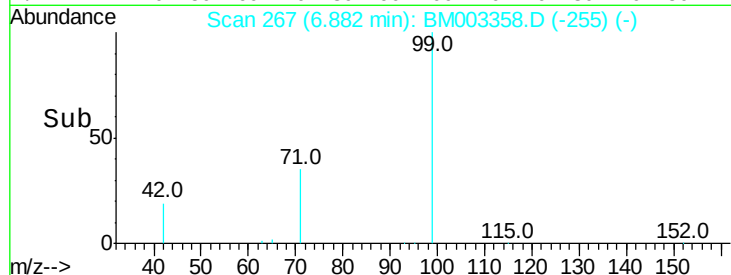
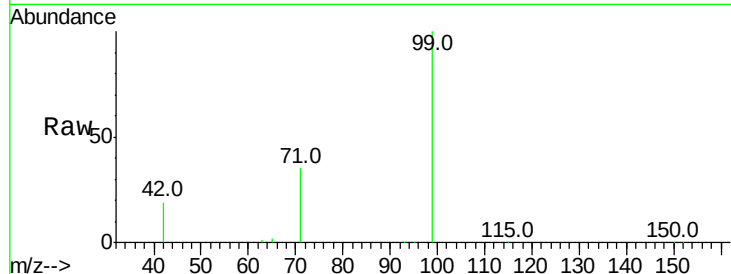
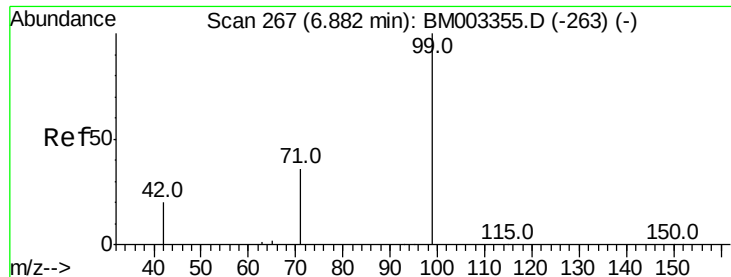


#4

2-Fluorophenol  
Concen: 10.55 ng  
RT: 5.31 min Scan# 171  
Delta R.T. 0.00 min  
Lab File: BM003358.D  
Acq: 02 Dec 2015 15:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 51.7  | 41.2  | 61.8  |
| 63      | 26.9  | 21.2  | 31.8  |





#5

Phenol-d6

Concen: 11.40 ng

RT: 6.88 min Scan# 267

Delta R.T. 0.00 min

Lab File: BM003358.D

Acq: 02 Dec 2015 15:30

| Tot Ion   | 99    | Resp  | 175662 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 18.3  | 14.6  | 22.0   |
| 71        | 29.5  | 23.3  | 34.9   |

Instrument :

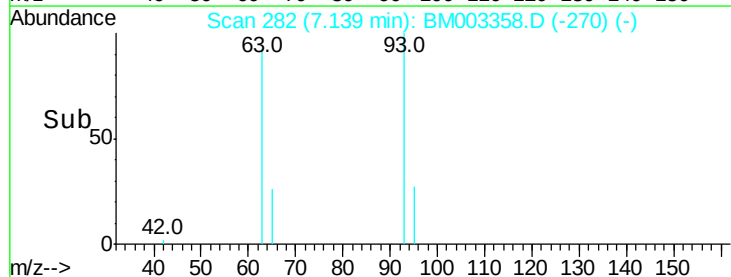
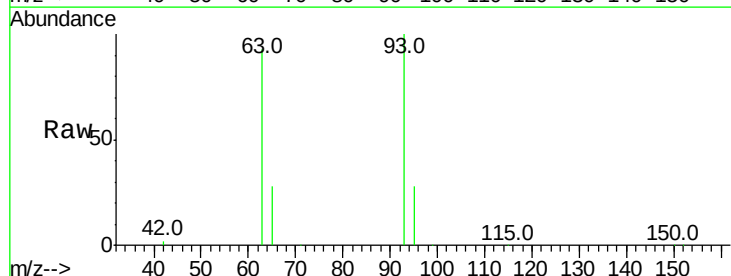
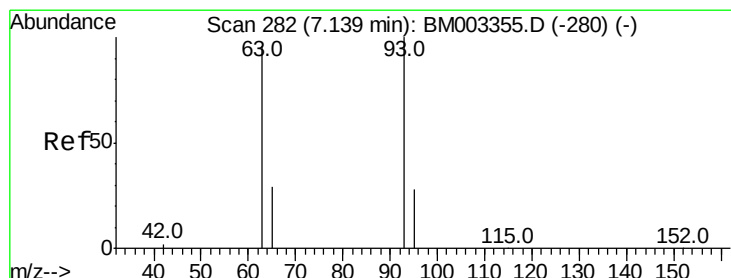
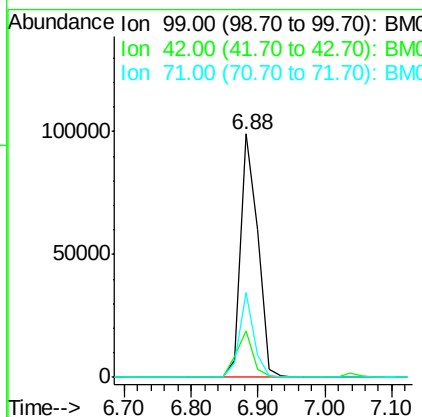
BNA\_M

ClientSampleId :

SSTDIC010

Manual Integrations  
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#6

bis(2-Chloroethyl)ether

Concen: 9.92 ng

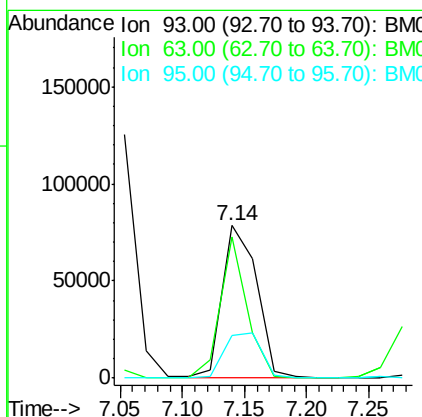
RT: 7.14 min Scan# 282

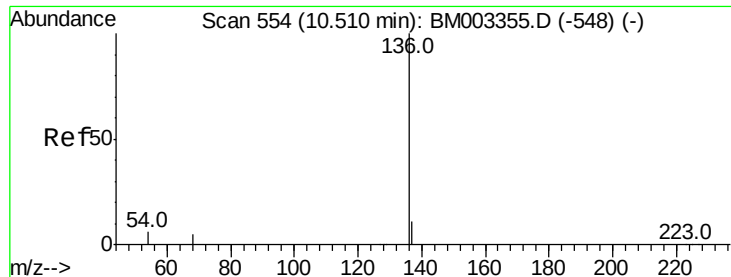
Delta R.T. 0.00 min

Lab File: BM003358.D

Acq: 02 Dec 2015 15:30

| Tgt Ion   | 93    | Resp  | 151407 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 72.3  | 58.2  | 87.4   |
| 95        | 32.5  | 26.2  | 39.4   |





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.51 min Scan# 554

Delta R.T. 0.00 min

Lab File: BM003358.D

Acq: 02 Dec 2015 15:30

Instrument :

BNA\_M

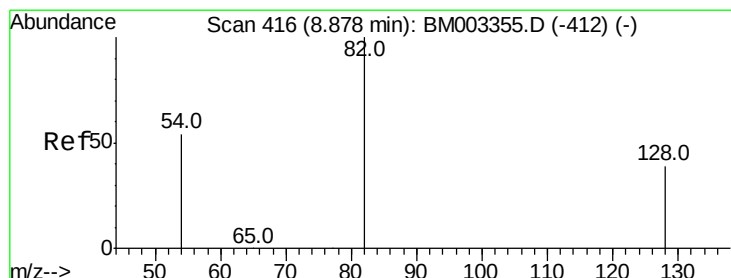
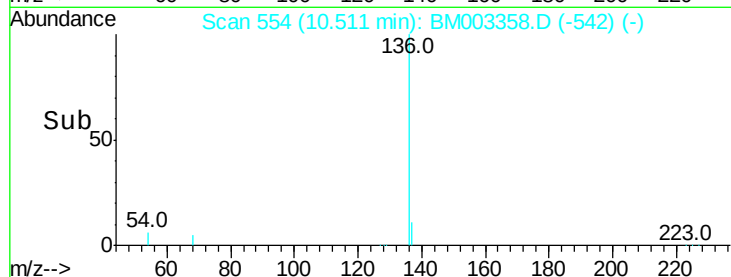
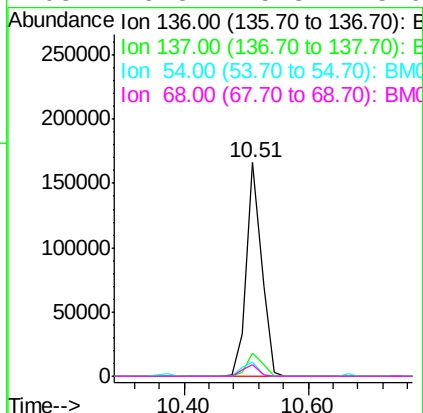
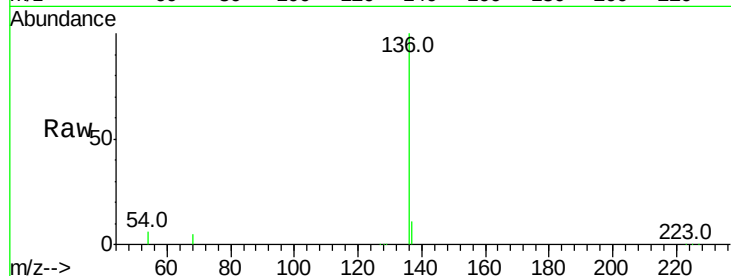
ClientSampleId :

SSTDICC010

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 136     | 100   |            |       |
| 137     | 10.5  | 8.0        | 12.0  |
| 54      | 6.4   | 7.4        | 11.0# |
| 68      | 5.3   | 5.8        | 8.6#  |

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#8

Nitrobenzene-d5

Concen: 11.82 ng

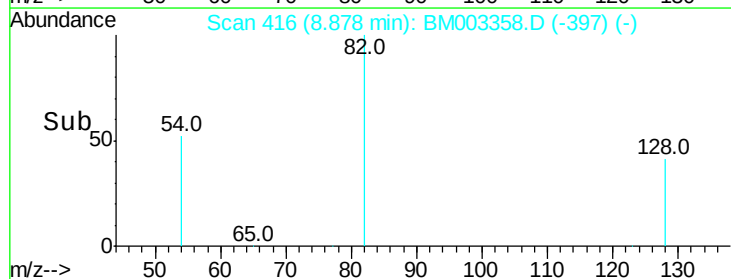
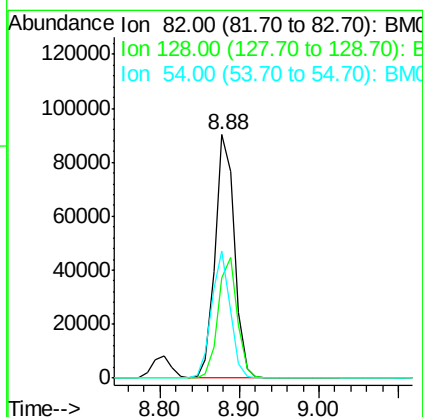
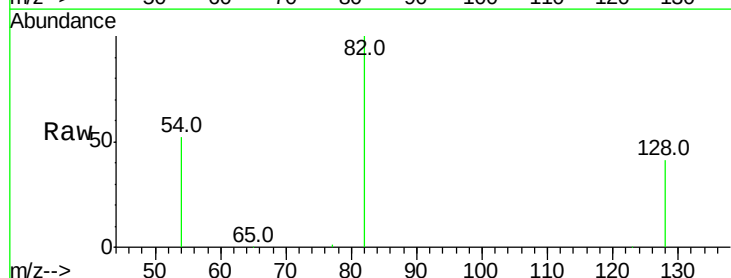
RT: 8.88 min Scan# 416

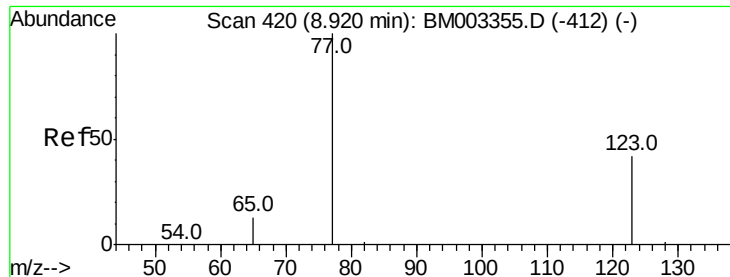
Delta R.T. 0.00 min

Lab File: BM003358.D

Acq: 02 Dec 2015 15:30

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 82      | 100   |            |       |
| 128     | 41.1  | 35.2       | 52.8  |
| 54      | 52.4  | 36.4       | 54.6  |





#9

Nitrobenzene

Concen: 12.21 ng

RT: 8.92 min Scan# 420

Delta R.T. 0.00 min

Lab File: BM003358.D

Acq: 02 Dec 2015 15:30

Instrument :

BNA\_M

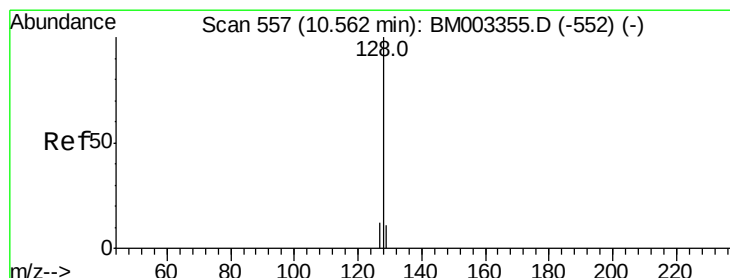
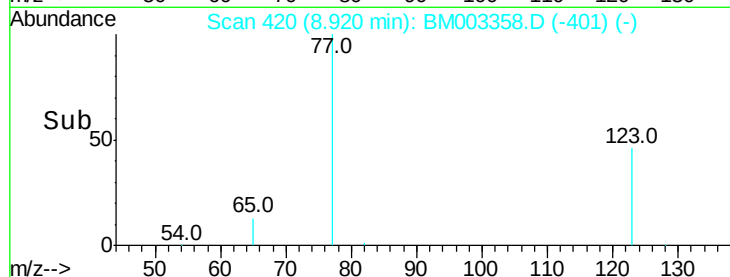
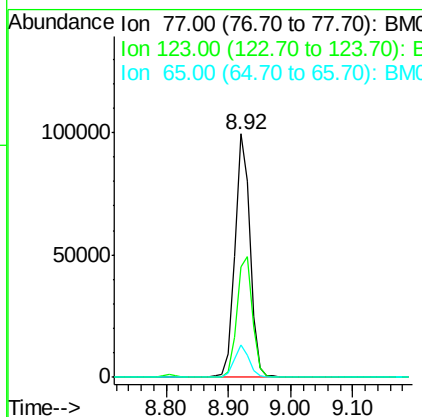
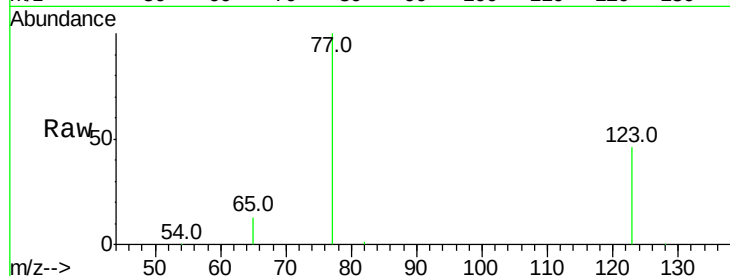
ClientSampleId :

SSTDIC010

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 77    | Resp: | 168232 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 123      | 51.5  | 37.7  | 56.5   |
| 65       | 12.8  | 9.8   | 14.6   |

Manual Integrations  
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#10

Naphthalene

Concen: 9.50 ng

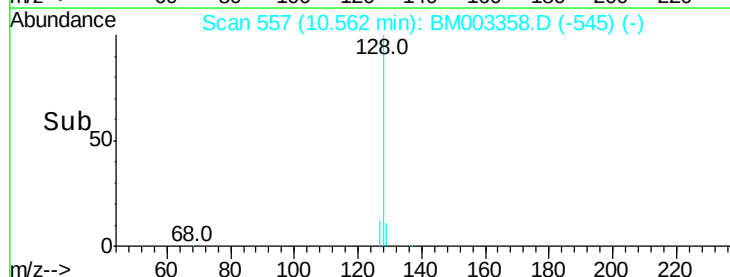
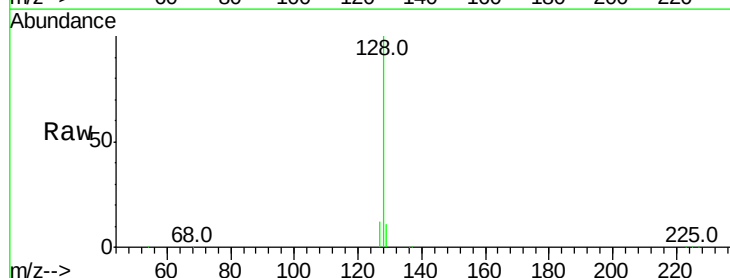
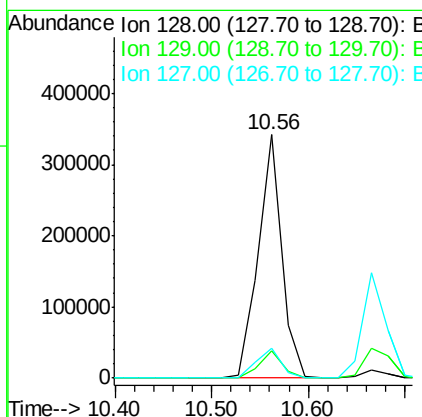
RT: 10.56 min Scan# 557

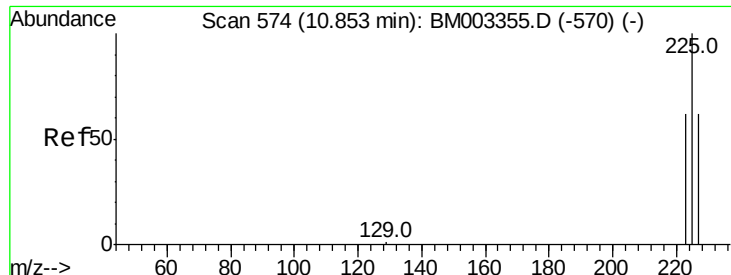
Delta R.T. 0.00 min

Lab File: BM003358.D

Acq: 02 Dec 2015 15:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 577666 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 129      | 11.2  | 8.5   | 12.7   |
| 127      | 12.3  | 10.6  | 16.0   |





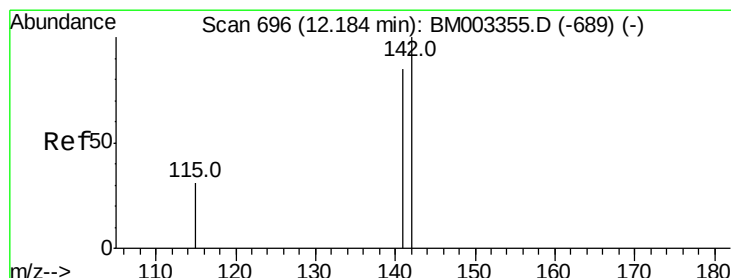
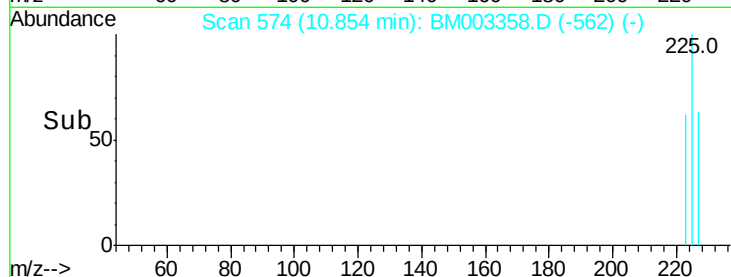
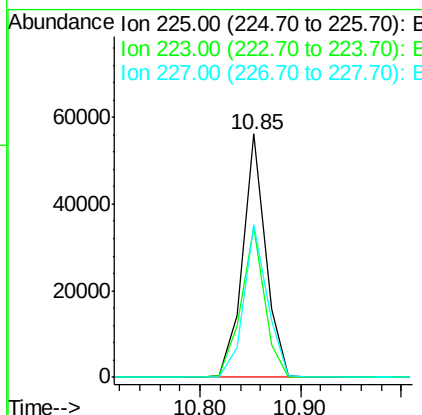
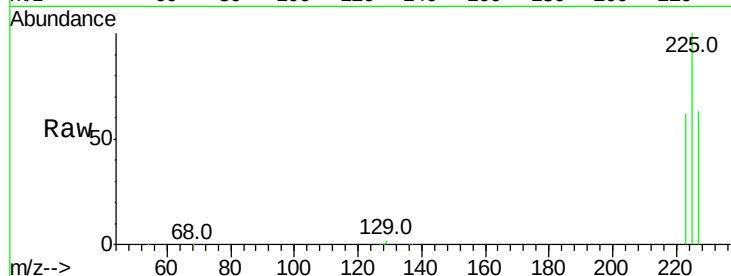
#11  
Hexachlorobutadiene  
Concen: 9.55 ng m  
RT: 10.85 min Scan# 574  
Delta R.T. 0.00 min  
Lab File: BM003358.D  
Acq: 02 Dec 2015 15:30

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDICC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.4  | 53.0  | 79.4  |
| 227     | 64.4  | 52.2  | 78.4  |

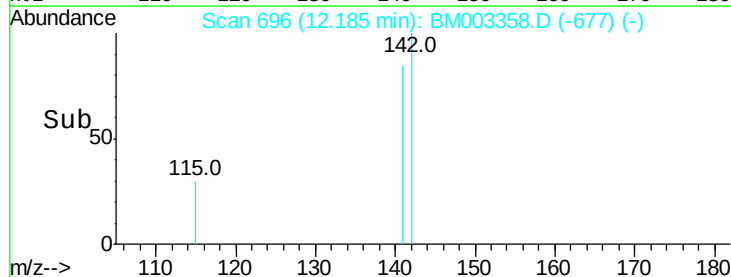
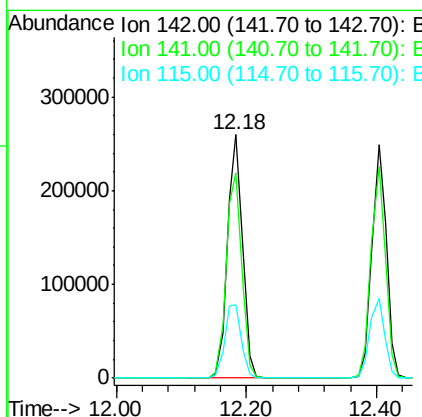
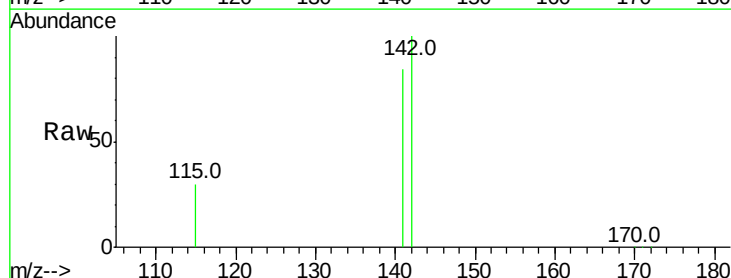
Manual Integrations  
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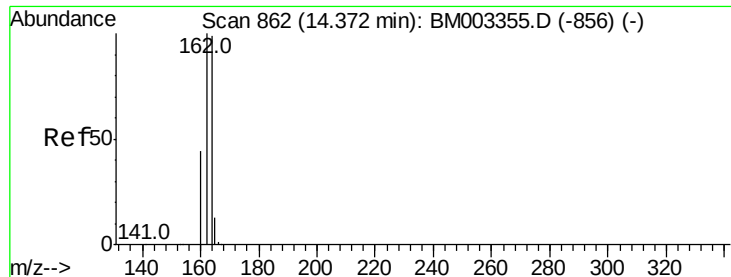


#12  
2-Methylnaphthalene  
Concen: 9.94 ng  
RT: 12.18 min Scan# 696  
Delta R.T. 0.00 min  
Lab File: BM003358.D  
Acq: 02 Dec 2015 15:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 84.4  | 72.2  | 108.2 |
| 115     | 29.9  | 28.0  | 42.0  |







#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.37 min Scan# 862

Delta R.T. 0.00 min

Lab File: BM003358.D

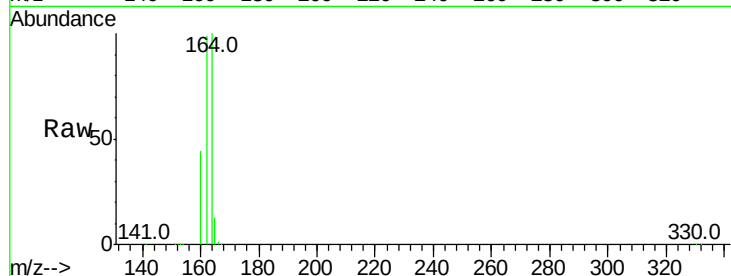
Acq: 02 Dec 2015 15:30

Instrument :

BNA\_M

ClientSampleId :

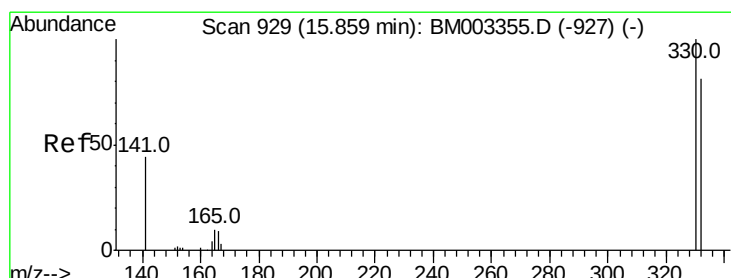
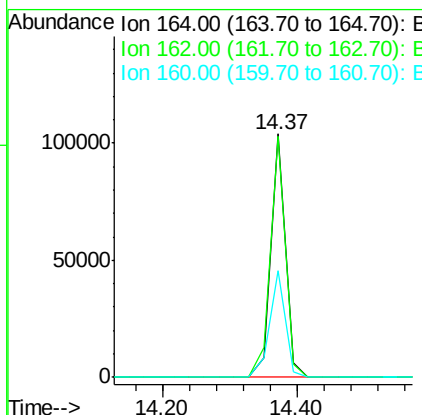
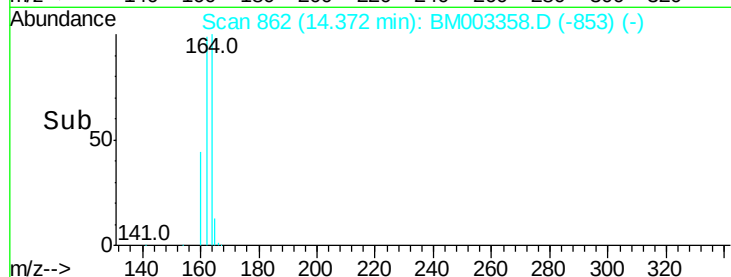
SSTDICC010



|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 164   | Resp: | 157760 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 99.2  | 78.3  | 117.5  |
| 160       | 44.0  | 33.8  | 50.6   |

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#14

2,4,6-Tribromophenol

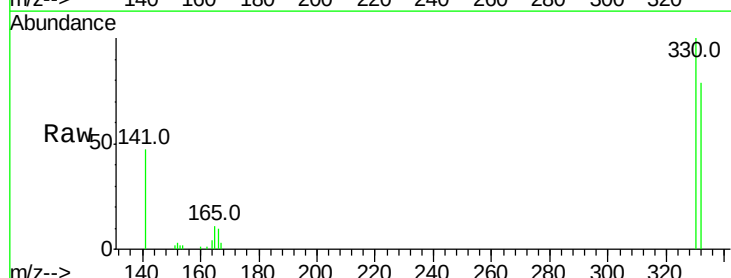
Concen: 13.35 ng

RT: 15.86 min Scan# 929

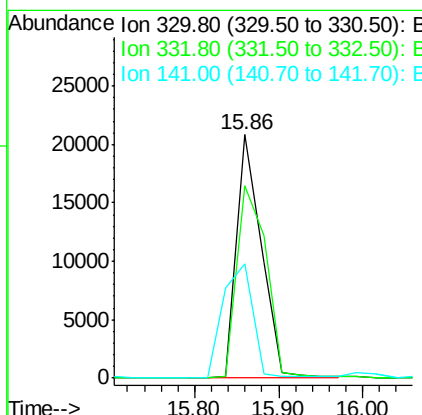
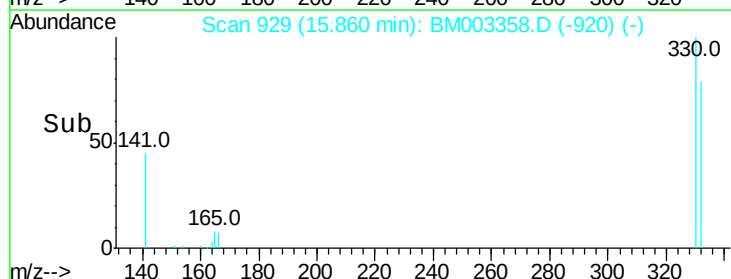
Delta R.T. 0.00 min

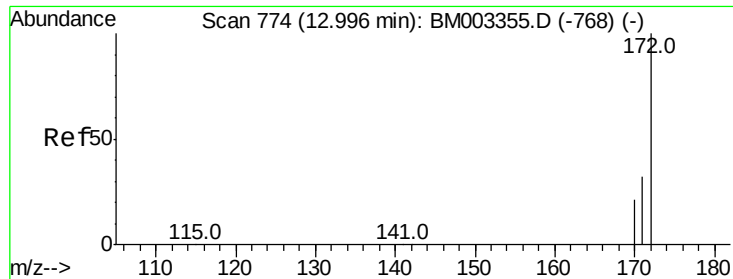
Lab File: BM003358.D

Acq: 02 Dec 2015 15:30



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 330   | Resp: | 41969 |
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 93.2  | 76.0  | 114.0 |
| 141       | 56.9  | 0.0   | 0.0#  |





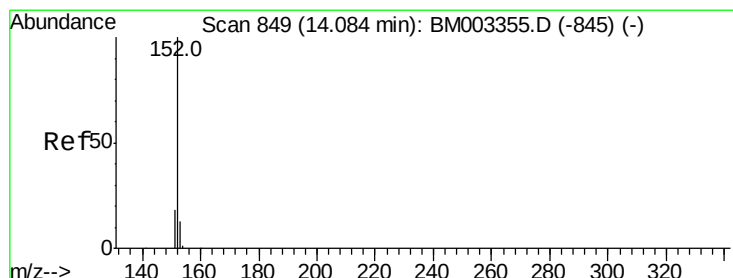
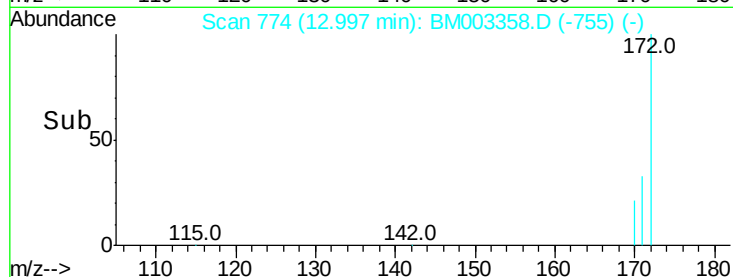
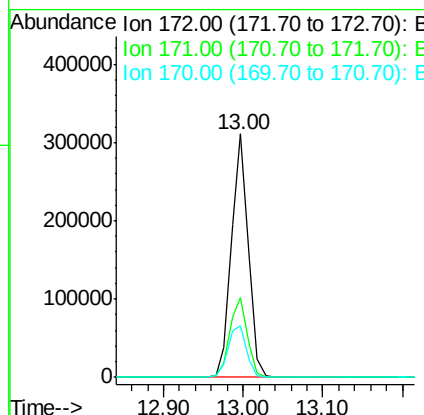
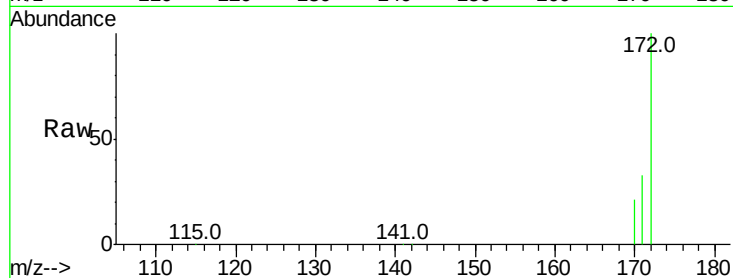
#15  
2-Fluorobiphenyl  
Concen: 9.44 ng  
RT: 13.00 min Scan# 774  
Delta R.T. 0.00 min  
Lab File: BM003358.D  
Acq: 02 Dec 2015 15:30

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDICC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 33.0  | 28.0  | 42.0  |
| 170     | 21.1  | 18.9  | 28.3  |

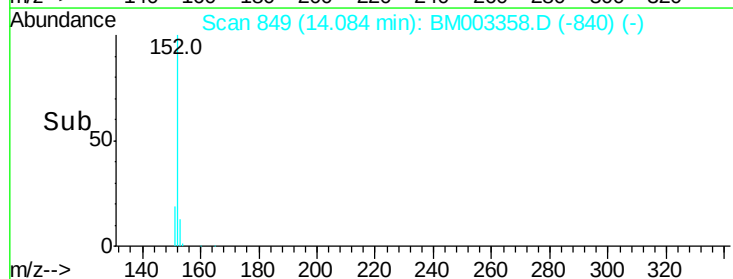
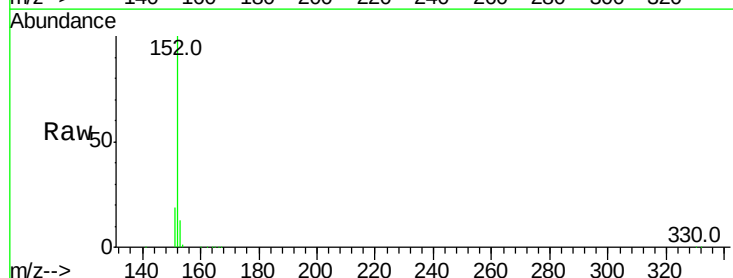
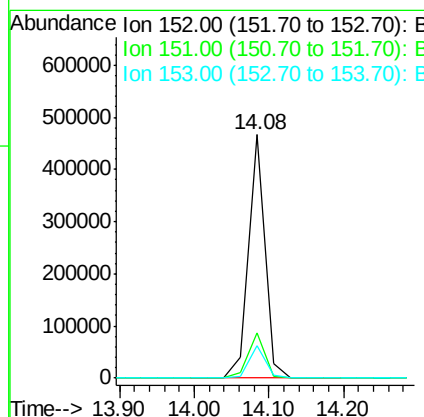
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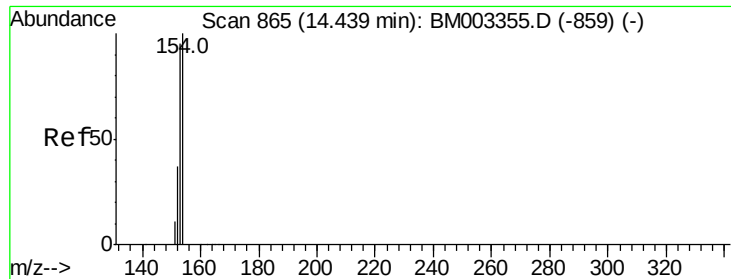
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#16  
Acenaphthylene  
Concen: 11.78 ng  
RT: 14.08 min Scan# 849  
Delta R.T. 0.00 min  
Lab File: BM003358.D  
Acq: 02 Dec 2015 15:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.1  | 15.2  | 22.8  |
| 153     | 13.1  | 10.4  | 15.6  |





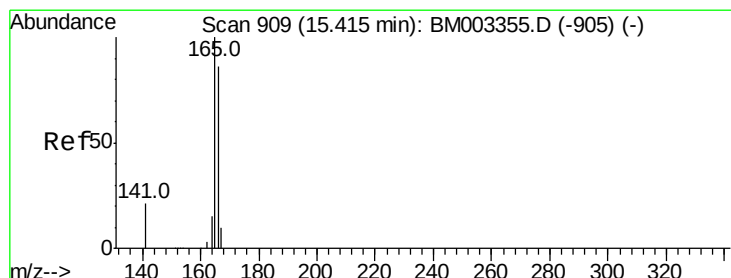
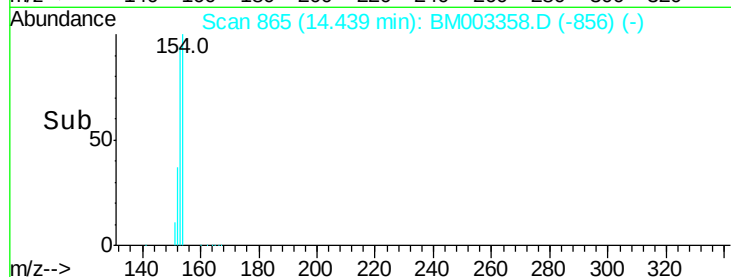
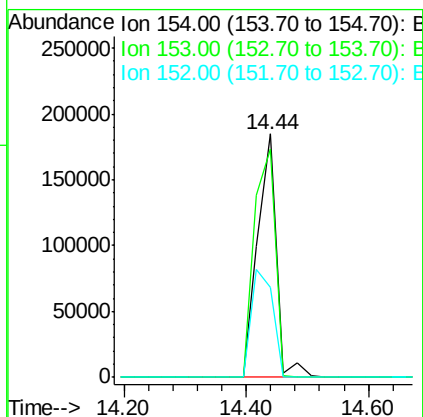
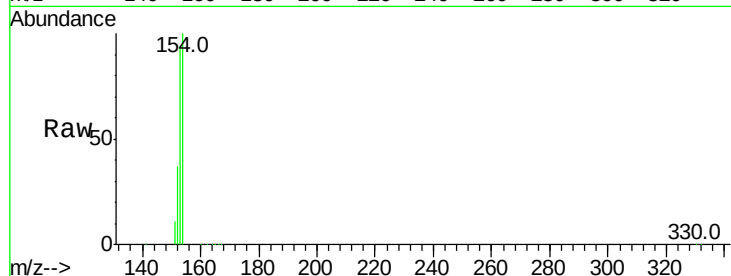
#17  
Acenaphthene  
Concen: 9.57 ng  
RT: 14.44 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: BM003358.D  
Acq: 02 Dec 2015 15:30

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDIC010

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 154     | 100   |      |       |       |
| 153     | 104.4 | 0.0  | 0.0   | 0.0   |
| 152     | 0.0   | 0.0  | 0.0   | 0.0   |

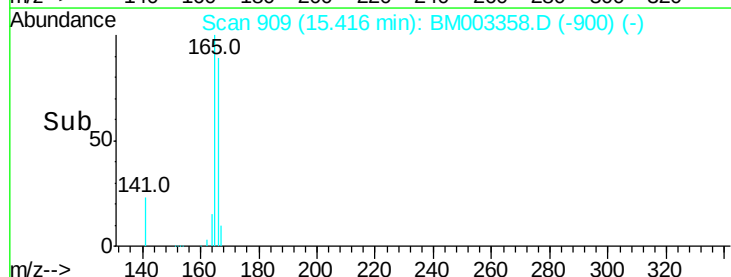
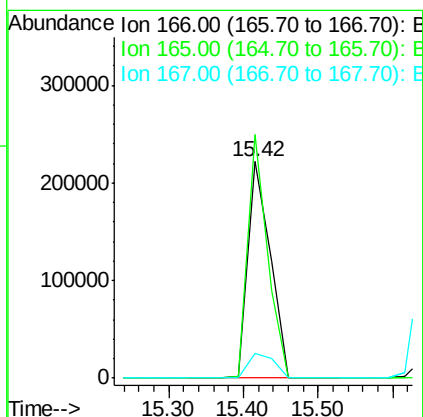
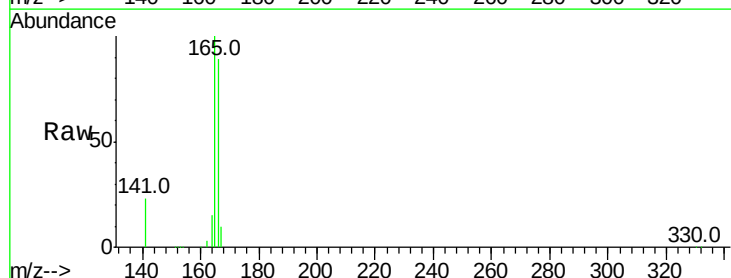
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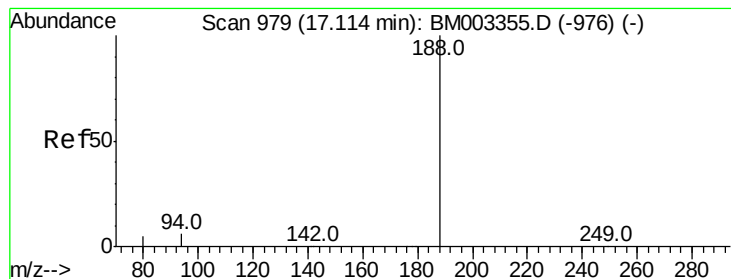
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#18  
Fluorene  
Concen: 9.69 ng  
RT: 15.42 min Scan# 909  
Delta R.T. 0.00 min  
Lab File: BM003358.D  
Acq: 02 Dec 2015 15:30

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 166     | 100   |      |       |       |
| 165     | 99.5  | 80.8 | 121.2 |       |
| 167     | 13.3  | 10.5 | 15.7  |       |





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.11 min Scan# 979

Delta R.T. 0.00 min

Lab File: BM003358.D

Acq: 02 Dec 2015 15:30

Instrument :

BNA\_M

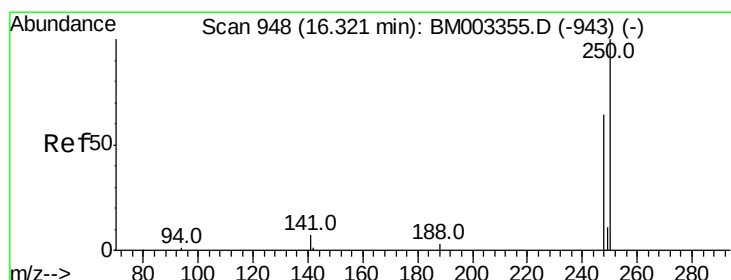
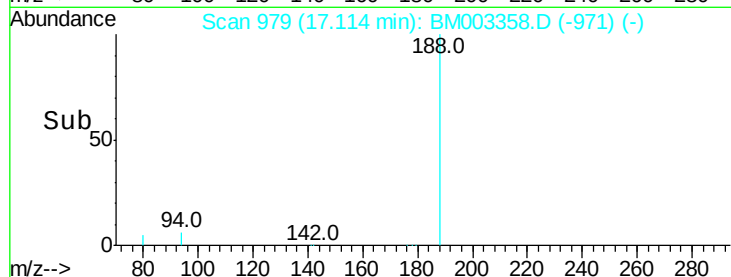
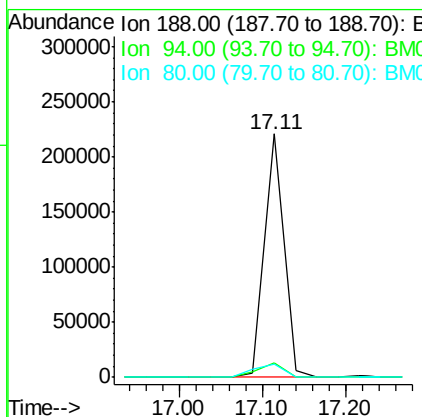
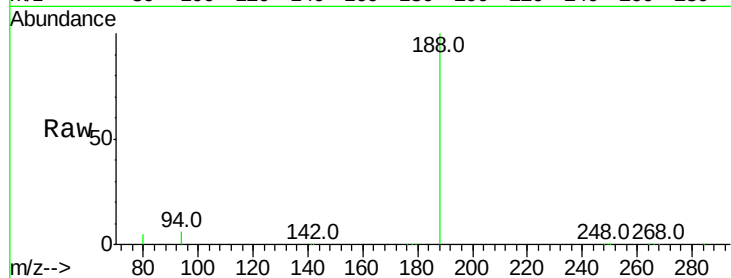
ClientSampleId :

SSTDICC010

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 188   | Resp: | 354263 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 6.0   | 1.8   | 2.6#   |
| 80        | 5.2   | 1.4   | 2.0#   |

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#20

4-Bromophenyl-phenylether

Concen: 9.76 ng

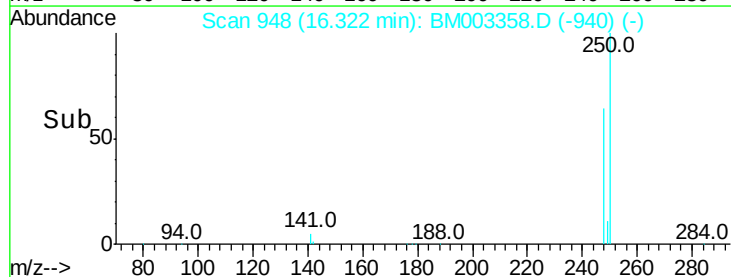
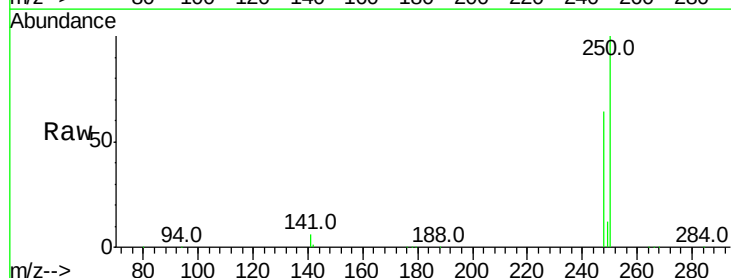
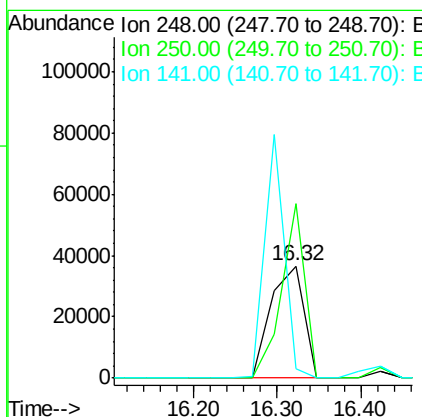
RT: 16.32 min Scan# 948

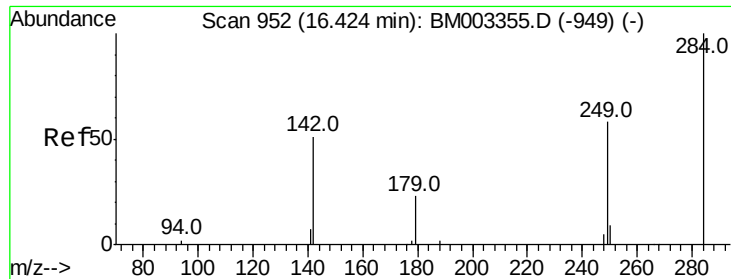
Delta R.T. 0.00 min

Lab File: BM003358.D

Acq: 02 Dec 2015 15:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 248   | Resp: | 99851  |
| Ion Ratio | Lower | Upper |        |
| 248       | 100   |       |        |
| 250       | 109.6 | 65.4  | 98.0#  |
| 141       | 0.0   | 72.8  | 109.2# |





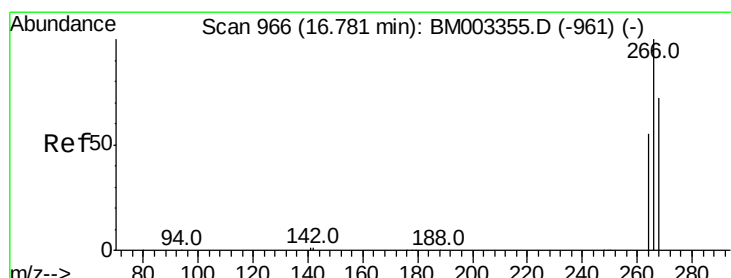
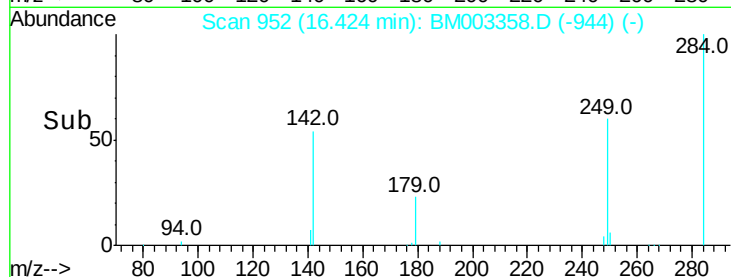
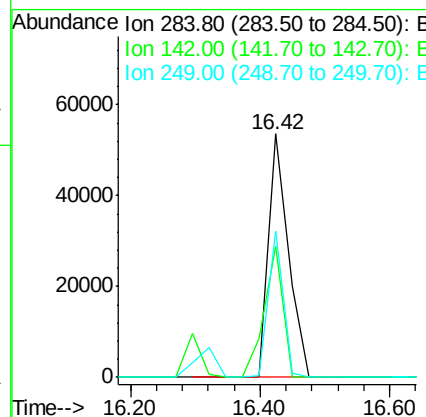
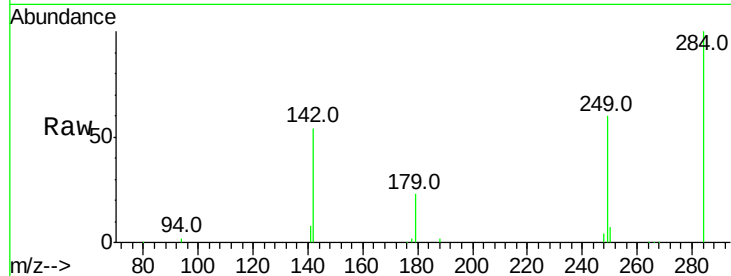
#21  
Hexachlorobenzene  
Concen: 9.14 ng  
RT: 16.42 min Scan# 952  
Delta R.T. 0.00 min  
Lab File: BM003358.D  
Acq: 02 Dec 2015 15:30

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDIC010

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 284     | 100   |      |       |       |
| 142     | 50.5  | 0.0  | 0.0#  |       |
| 249     | 45.3  | 19.4 | 29.2# |       |

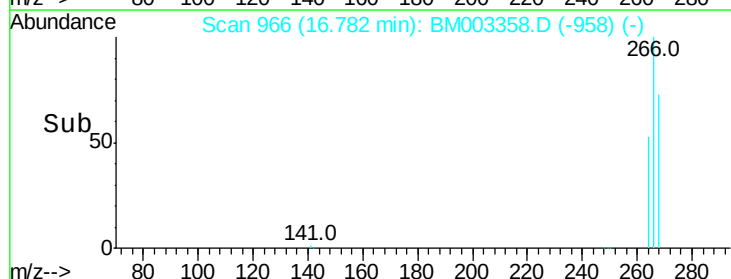
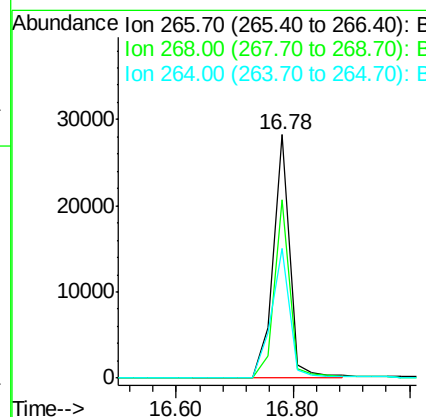
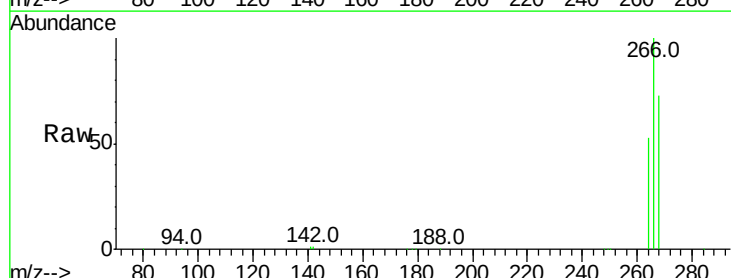
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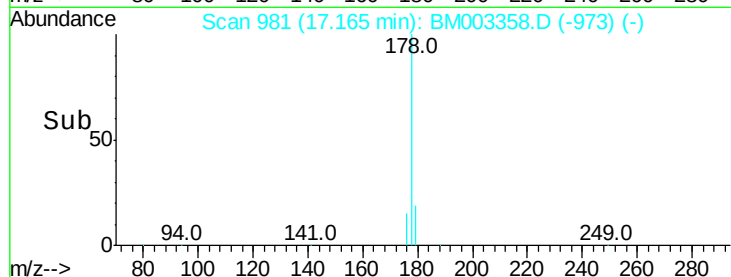
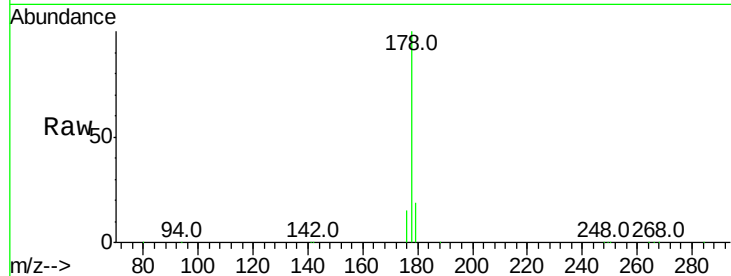
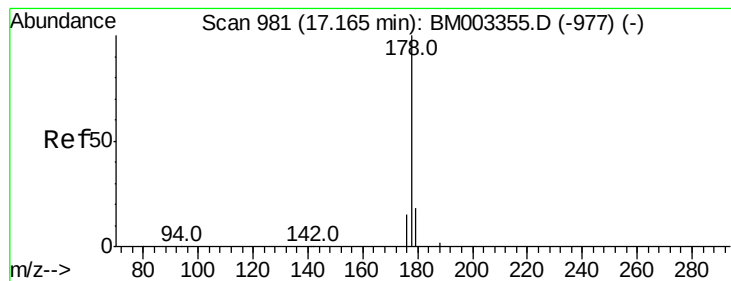
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#22  
Pentachlorophenol  
Concen: 15.35 ng  
RT: 16.78 min Scan# 966  
Delta R.T. 0.00 min  
Lab File: BM003358.D  
Acq: 02 Dec 2015 15:30

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 266     | 100   |      |       |       |
| 268     | 73.4  | 45.8 | 68.8# |       |
| 264     | 53.1  | 56.7 | 85.1# |       |





#23

Phenanthrene

Concen: 8.90 ng m

RT: 17.16 min Scan# 981

Delta R.T. 0.00 min

Lab File: BM003358.D

Acq: 02 Dec 2015 15:30

|             |       |            |
|-------------|-------|------------|
| Tot Ion:178 | Resp: | 616114     |
| Ion Ratio   | Lower | Upper      |
| 178         | 100   |            |
| 176         | 24.4  | 15.9 23.9# |
| 179         | 19.0  | 11.7 17.5# |

Instrument :

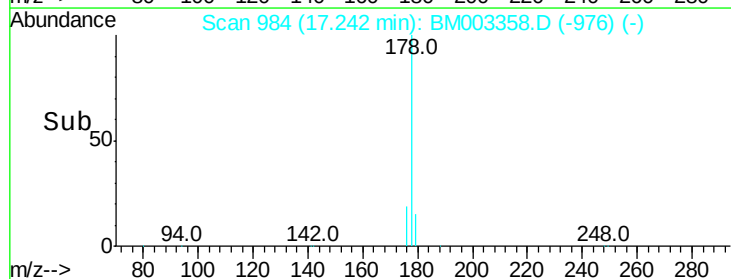
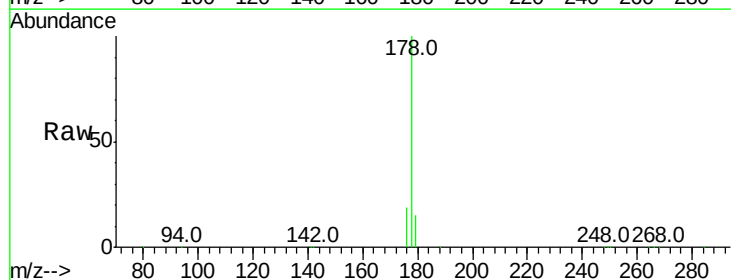
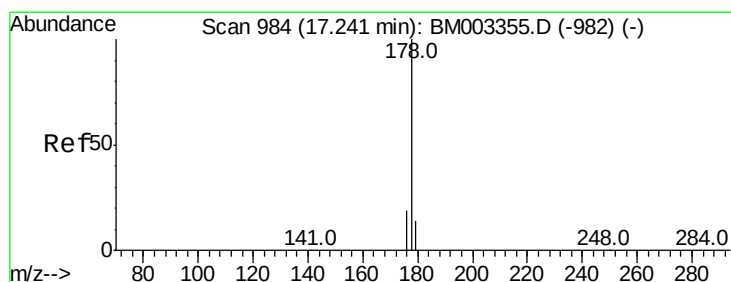
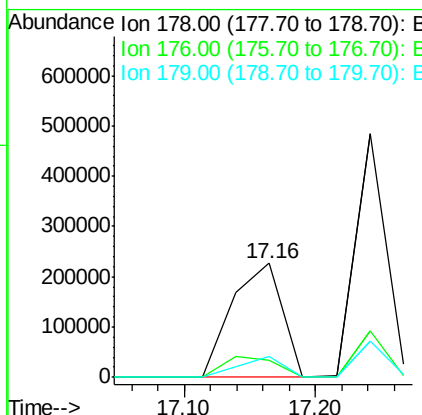
BNA\_M

ClientSampleId :

SSTDICC010

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#24

Anthracene

Concen: 11.17 ng

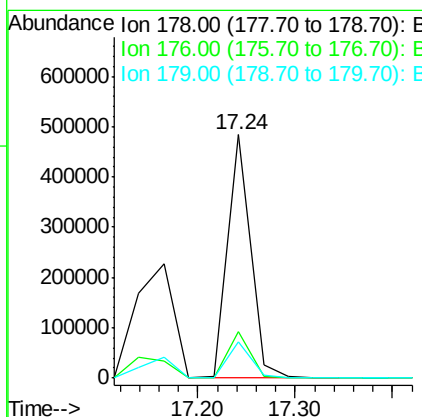
RT: 17.24 min Scan# 984

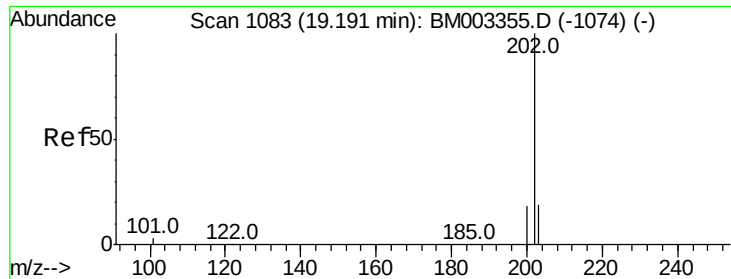
Delta R.T. 0.00 min

Lab File: BM003358.D

Acq: 02 Dec 2015 15:30

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 792271    |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 176         | 19.1  | 14.1 21.1 |
| 179         | 14.9  | 12.8 19.2 |





#25

Fluoranthene

Concen: 9.94 ng

RT: 19.19 min Scan# 1083

Delta R.T. 0.00 min

Lab File: BM003358.D

Acq: 02 Dec 2015 15:30

Instrument :

BNA\_M

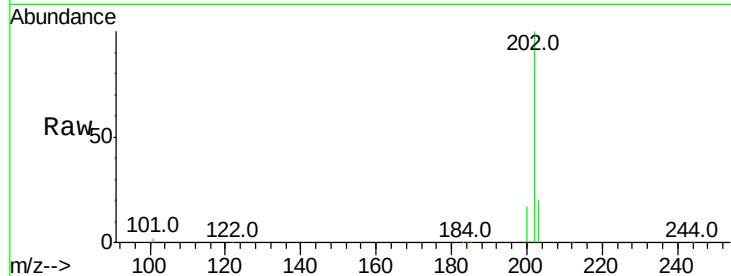
ClientSampleId :

SSTDICC010

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 202   | Resp: | 704300 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 12.2  | 9.9   | 14.9   |
| 203       | 17.5  | 13.9  | 20.9   |

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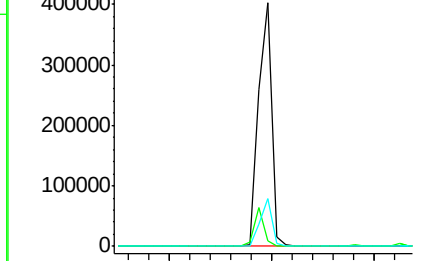
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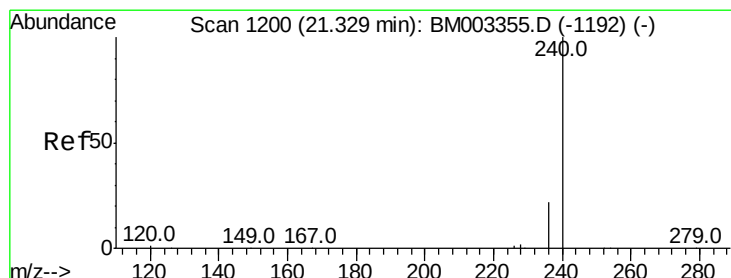
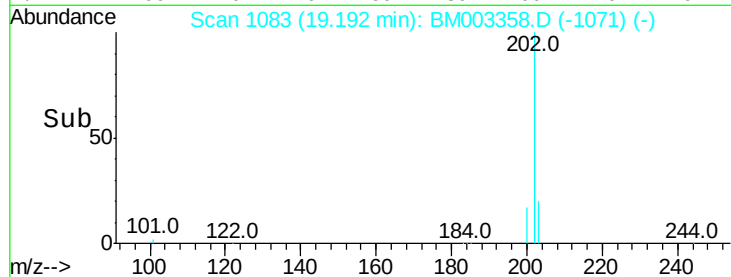
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.31 min Scan# 1199

Delta R.T. -0.02 min

Lab File: BM003358.D

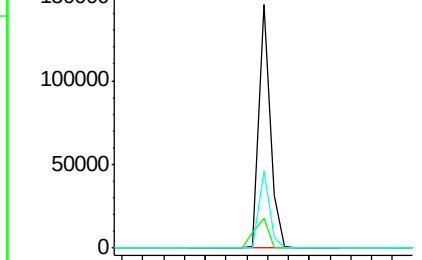
Acq: 02 Dec 2015 15:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 221367 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 12.5  | 1.0   | 1.4#   |
| 236       | 31.6  | 17.9  | 26.9#  |

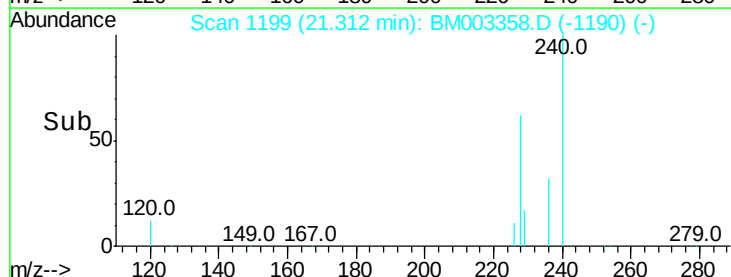
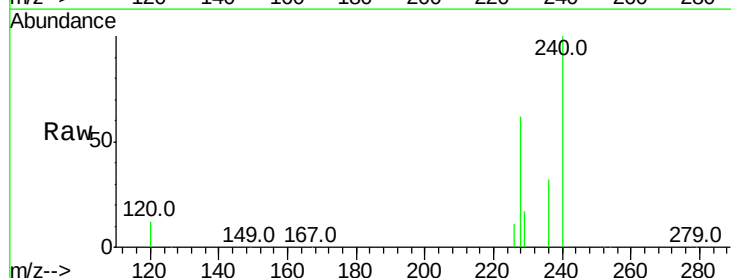
Abundance Ion 240.00 (239.70 to 240.70): E

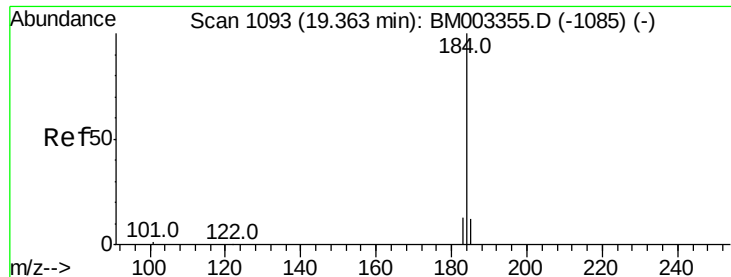
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#27

Benzidine

Concen: 17.37 ng

RT: 19.36 min Scan# 1093

Delta R.T. 0.00 min

Lab File: BM003358.D

Acq: 02 Dec 2015 15:30

Instrument :

BNA\_M

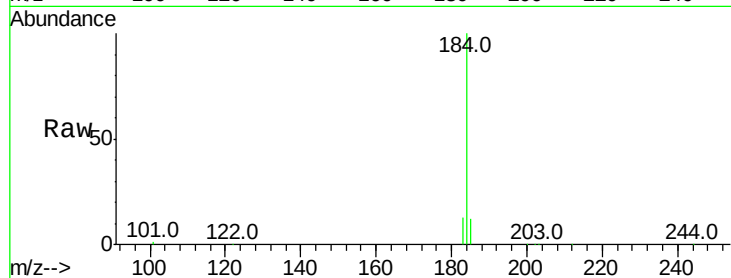
ClientSampleId :

SSTDICC010

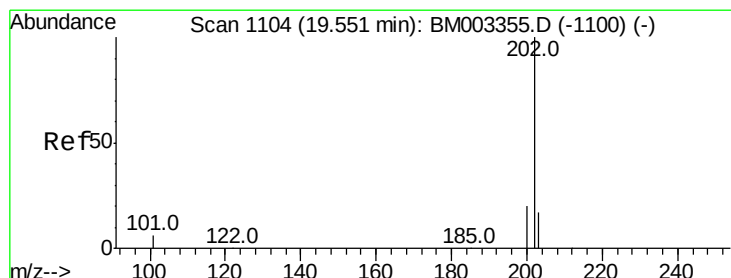
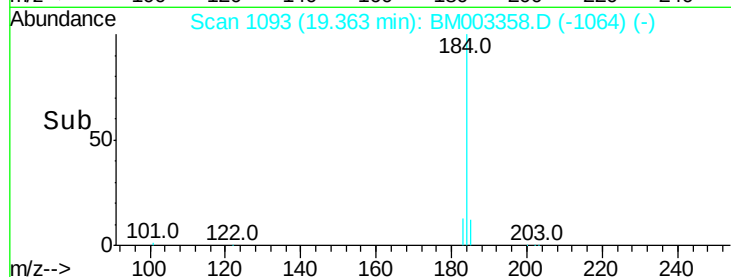
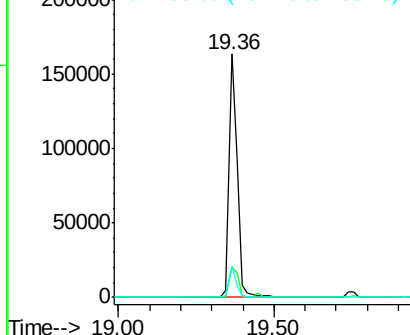
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 184   | Resp: | 287979 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 12.0  | 11.6  | 17.4   |
| 183       | 12.7  | 8.6   | 13.0   |

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Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 185.00 (184.70 to 185.70): E  
Ion 183.00 (182.70 to 183.70): E



#28

Pyrene

Concen: 9.51 ng

RT: 19.55 min Scan# 1104

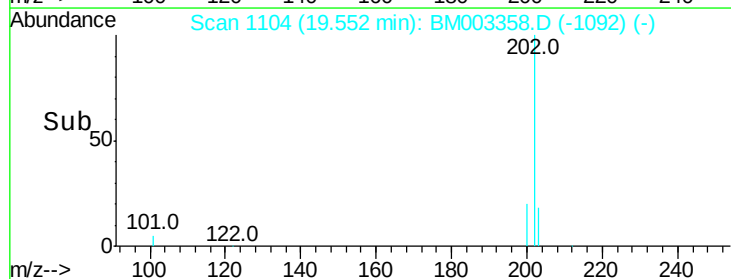
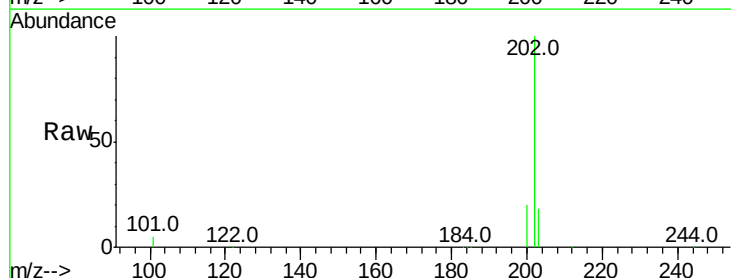
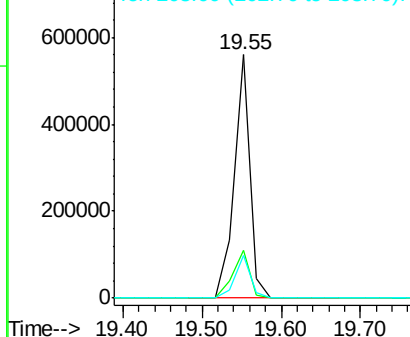
Delta R.T. 0.00 min

Lab File: BM003358.D

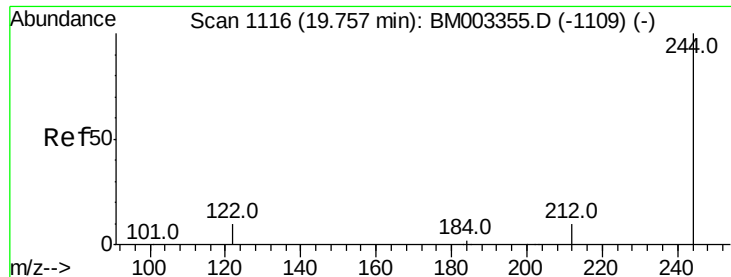
Acq: 02 Dec 2015 15:30

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 767434 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 21.0  | 16.7  | 25.1   |
| 203       | 17.4  | 13.8  | 20.6   |

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







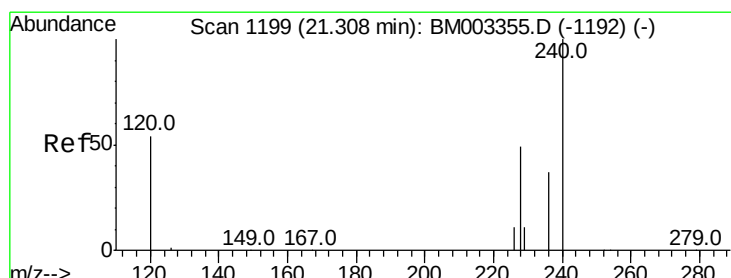
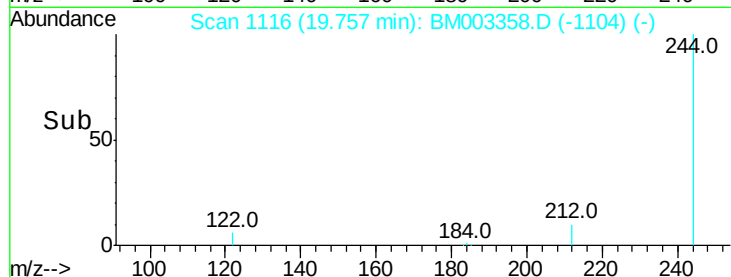
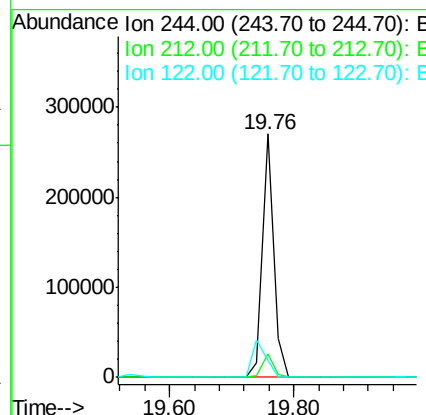
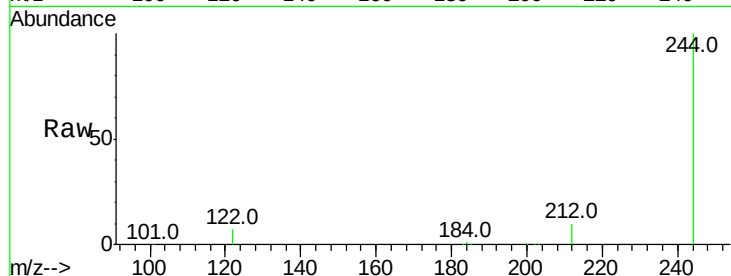
#29  
 Terphenyl-d14  
 Concen: 9.40 ng  
 RT: 19.76 min Scan# 1116  
 Delta R.T. 0.00 min  
 Lab File: BM003358.D  
 Acq: 02 Dec 2015 15:30

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDICC010

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 244     | 100   |      |       |       |
| 212     | 9.9   | 6.5  | 9.7#  |       |
| 122     | 7.0   | 2.0  | 3.0#  |       |

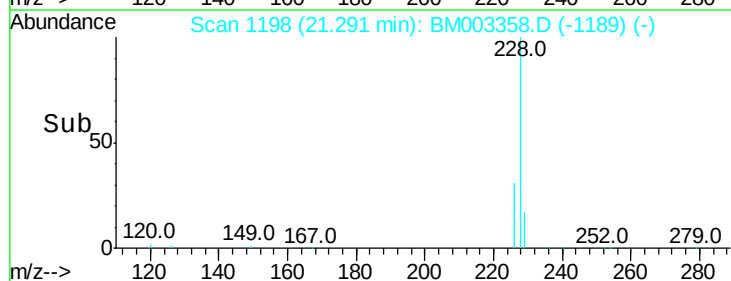
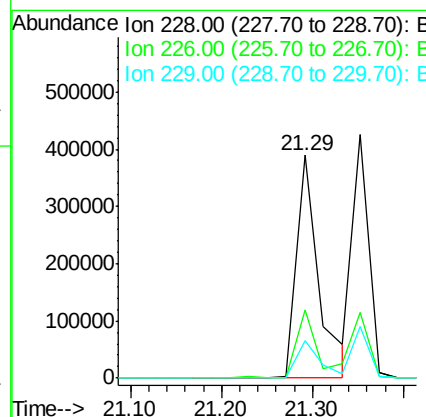
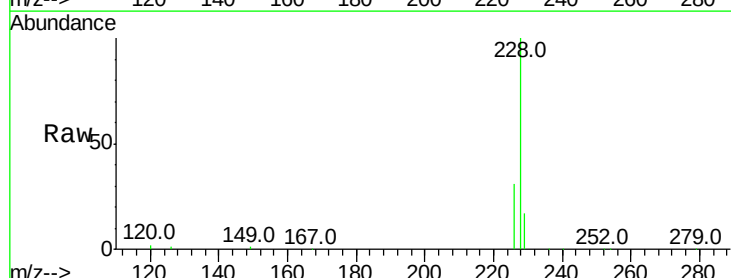
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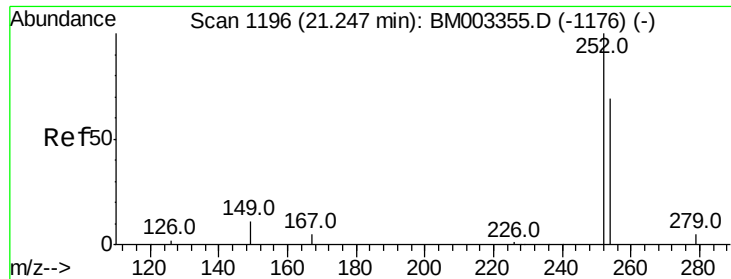
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#30  
 Benzo(a)anthracene  
 Concen: 11.34 ng  
 RT: 21.29 min Scan# 1198  
 Delta R.T. -0.02 min  
 Lab File: BM003358.D  
 Acq: 02 Dec 2015 15:30

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 228     | 100   |      |       |       |
| 226     | 30.5  | 17.8 | 26.6# |       |
| 229     | 17.0  | 18.0 | 27.0# |       |





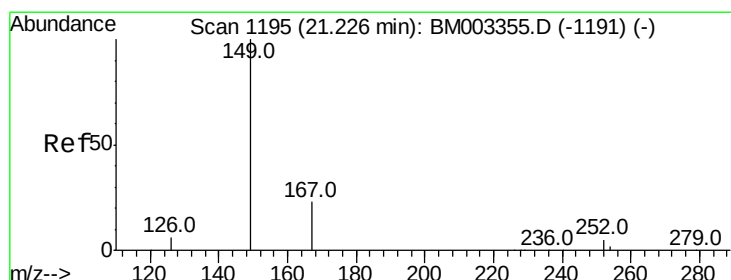
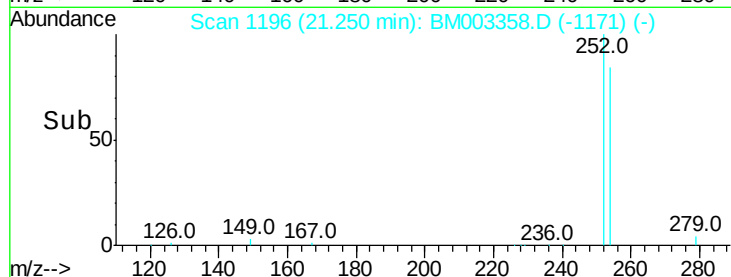
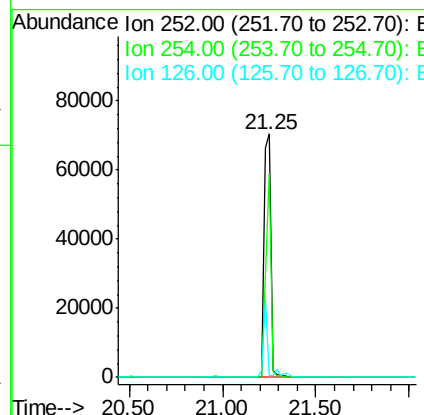
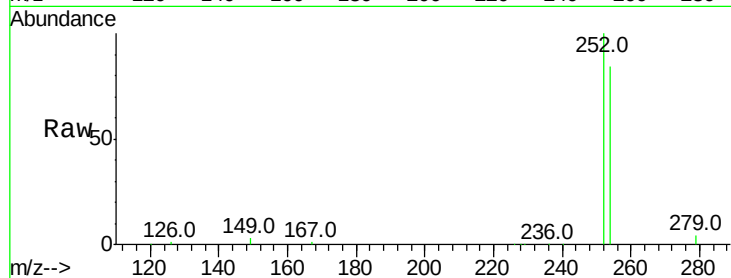
#31  
 3,3'-Dichlorobenzidine  
 Concen: 11.53 ng  
 RT: 21.25 min Scan# 1196  
 Delta R.T. 0.00 min  
 Lab File: BM003358.D  
 Acq: 02 Dec 2015 15:30

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDICC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 83.8  | 53.7  | 80.5# |
| 126     | 1.0   | 2.8   | 4.2#  |

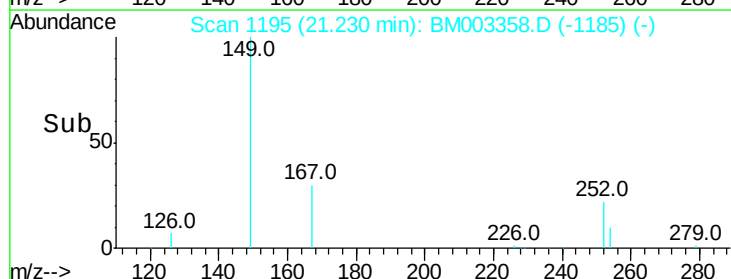
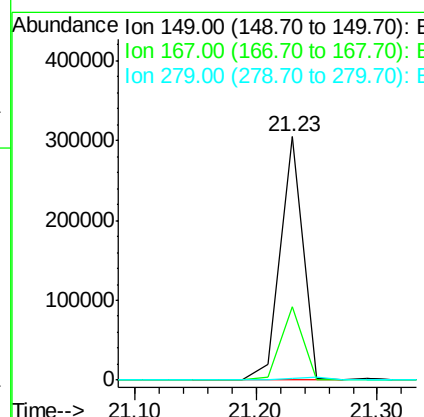
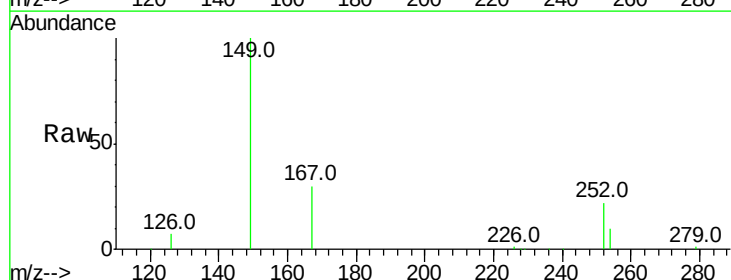
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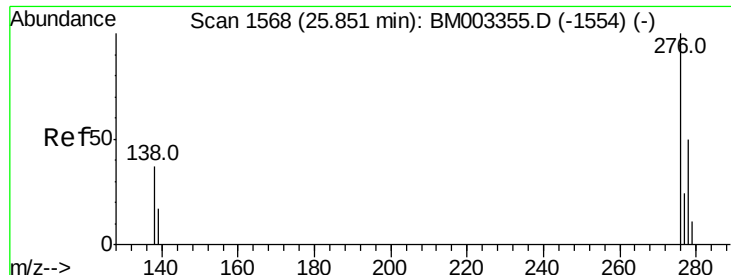
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#33  
 Bis(2-ethylhexyl)phthalate  
 Concen: 13.96 ng  
 RT: 21.23 min Scan# 1195  
 Delta R.T. 0.00 min  
 Lab File: BM003358.D  
 Acq: 02 Dec 2015 15:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 29.5  | 19.6  | 29.4# |
| 279     | 0.0   | 0.0   | 0.0   |





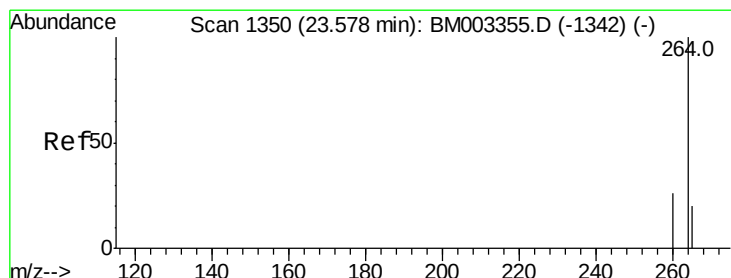
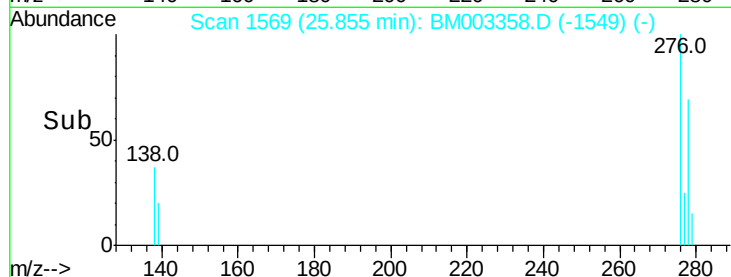
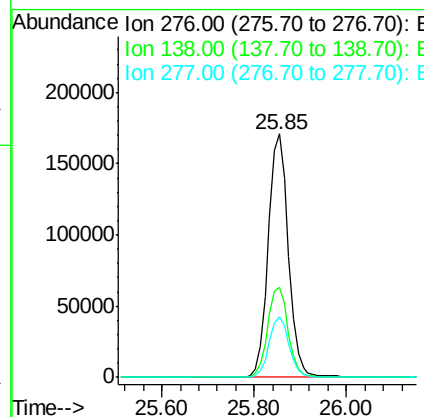
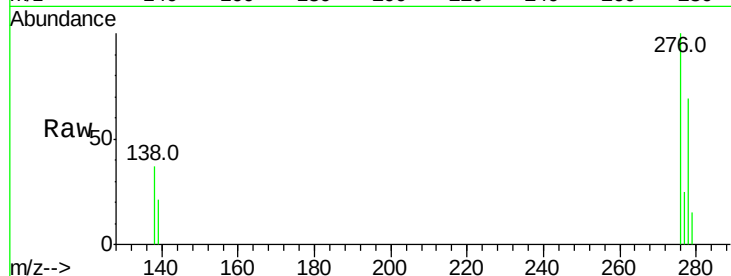
#34  
Indeno(1,2,3-cd)pyrene  
Concen: 10.07 ng  
RT: 25.85 min Scan# 1569  
Delta R.T. 0.00 min  
Lab File: BM003358.D  
Acq: 02 Dec 2015 15:30

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDICC010

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 276     | 100   | 518074 |       |       |
| 138     | 37.6  | 19.1   | 28.7  | #     |
| 277     | 24.7  | 15.9   | 23.9  | #     |

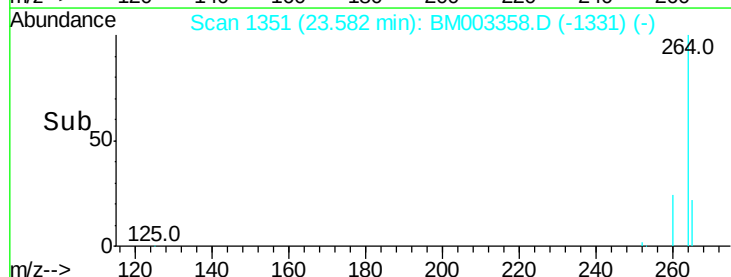
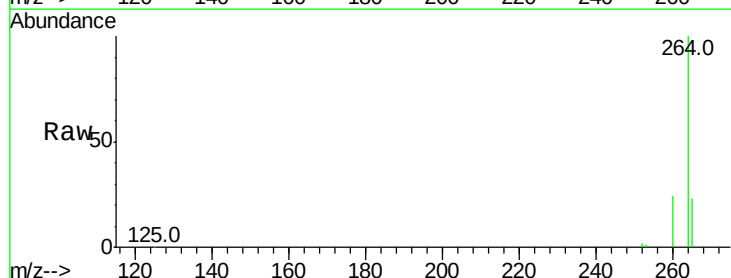
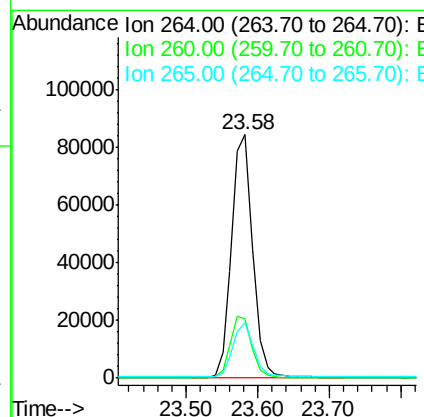
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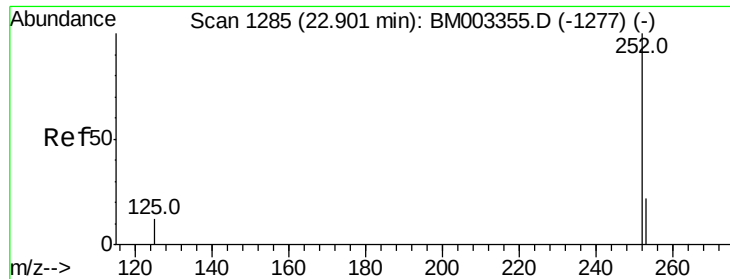
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#35  
Perylene-d12  
Concen: 5.00 ng  
RT: 23.58 min Scan# 1351  
Delta R.T. 0.00 min  
Lab File: BM003358.D  
Acq: 02 Dec 2015 15:30

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 264     | 100   | 172931 |       |       |
| 260     | 24.3  | 19.6   | 29.4  |       |
| 265     | 22.6  | 18.4   | 27.6  |       |





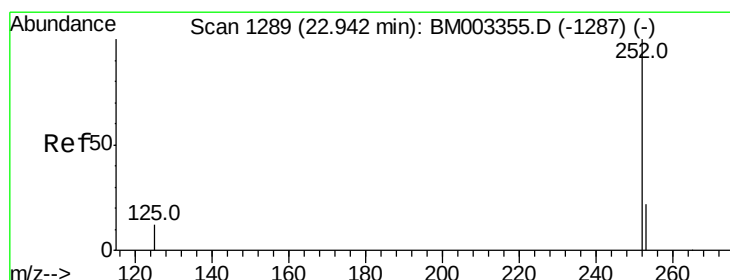
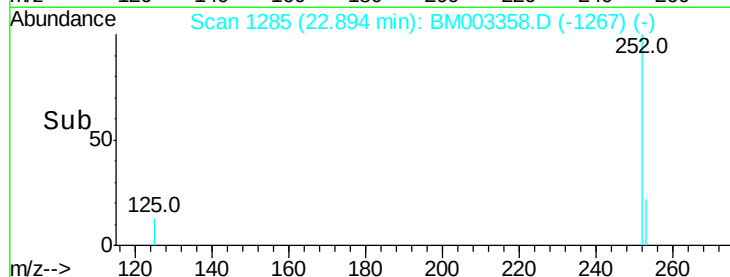
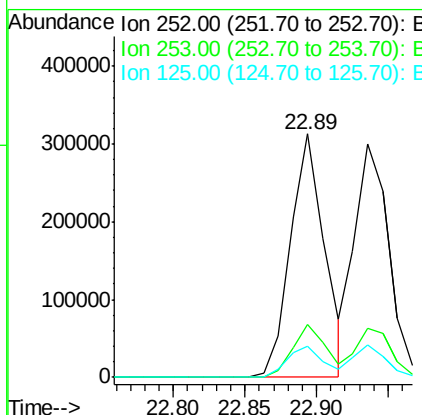
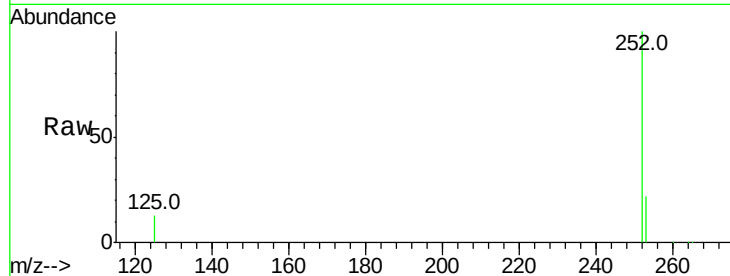
#36  
Benzo(b)fluoranthene  
Concen: 9.83 ng  
RT: 22.89 min Scan# 1285  
Delta R.T. -0.01 min  
Lab File: BM003358.D  
Acq: 02 Dec 2015 15:30

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDIC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.8  | 18.2  | 27.4  |
| 125     | 13.0  | 10.3  | 15.5  |

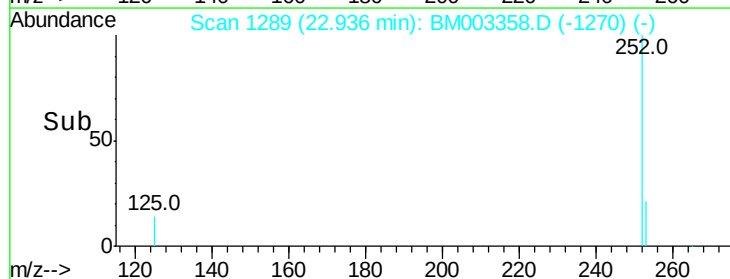
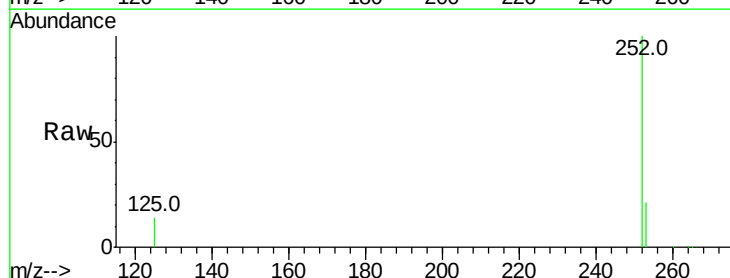
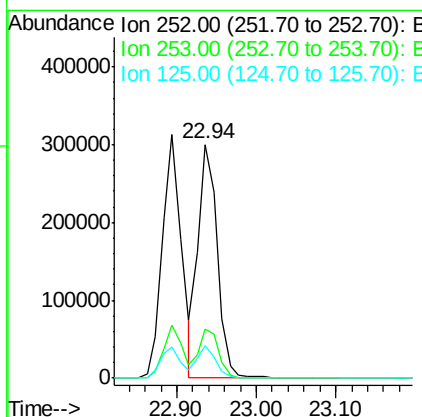
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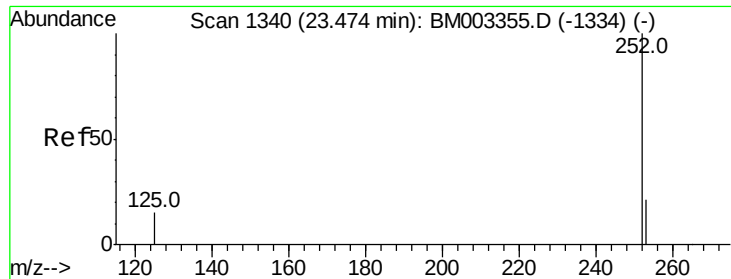
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#37  
Benzo(k)fluoranthene  
Concen: 10.73 ng  
RT: 22.94 min Scan# 1289  
Delta R.T. -0.01 min  
Lab File: BM003358.D  
Acq: 02 Dec 2015 15:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.0  | 17.5  | 26.3  |
| 125     | 13.6  | 10.7  | 16.1  |





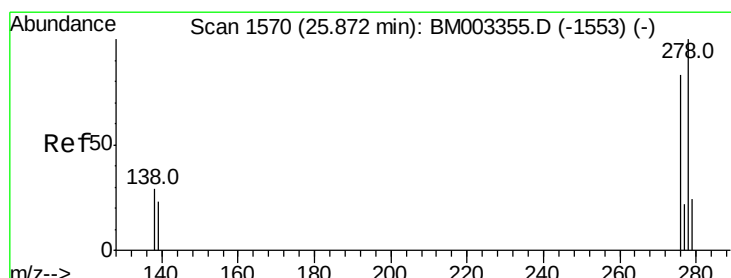
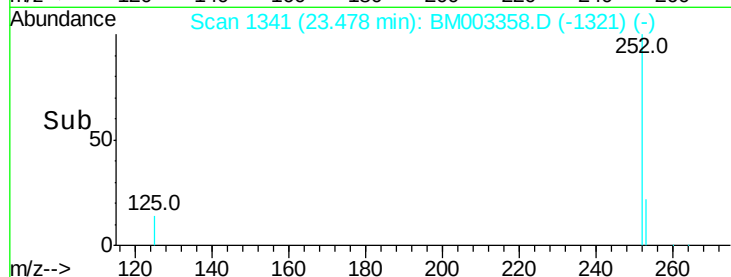
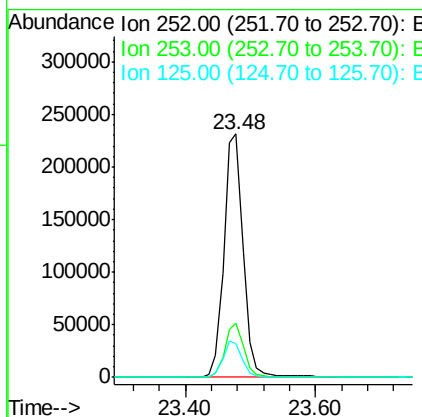
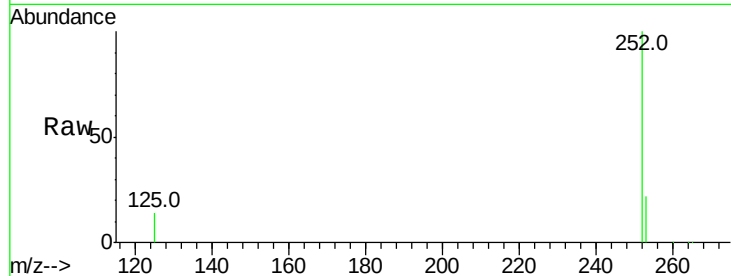
#38  
Benzo(a)pyrene  
Concen: 11.02 ng  
RT: 23.48 min Scan# 1341  
Delta R.T. 0.00 min  
Lab File: BM003358.D  
Acq: 02 Dec 2015 15:30

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDICC010

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 18.7  | 28.1  |
| 125     | 13.6  | 11.6  | 17.4  |

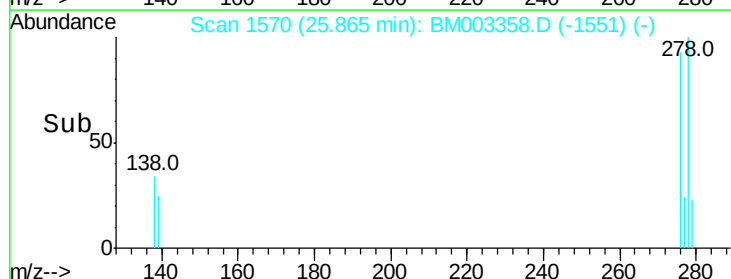
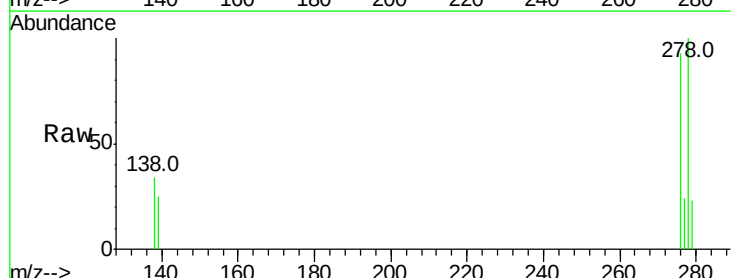
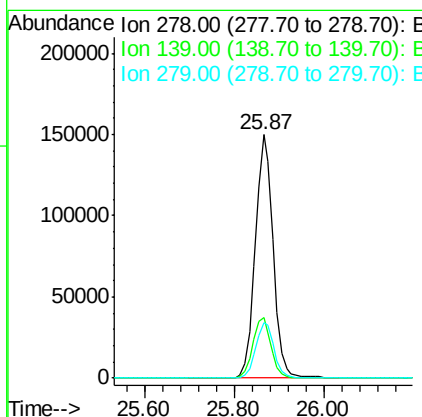
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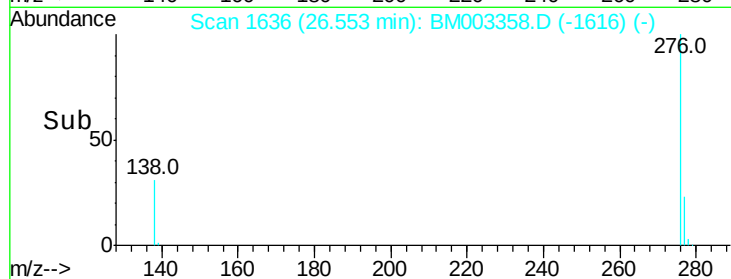
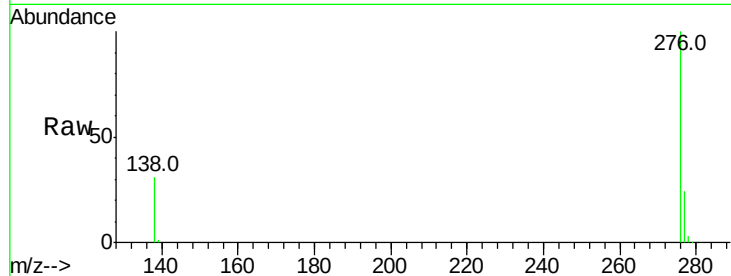
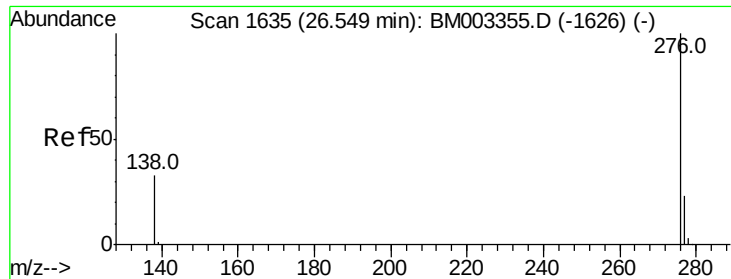
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#39  
Dibenzo(a,h)anthracene  
Concen: 10.73 ng  
RT: 25.87 min Scan# 1570  
Delta R.T. -0.01 min  
Lab File: BM003358.D  
Acq: 02 Dec 2015 15:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 25.1  | 18.2  | 27.4  |
| 279     | 22.7  | 18.8  | 28.2  |





#40

Benzo(a,h,i)perylene

Concen: 10.40 ng

RT: 26.55 min Scan# 1636

Delta R.T. 0.00 min

Lab File: BM003358.D

Acq: 02 Dec 2015 15:30

Instrument :

BNA\_M

ClientSampleId :

SSTDIC010

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 429319 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 23.5  | 19.0  | 28.6   |
| 138       | 30.8  | 22.3  | 33.5   |

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