

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122415\  
 Data File : BM003778.D  
 Acq On : 24 Dec 2015 15:06  
 Operator : UM/SJ  
 Sample : SSTDCCC001  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC001EC

Manual Integrations  
 APPROVED

Sohil  
 12/24/2015 5:29:44 PM

Quant Time: Dec 24 17:25:00 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM122415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 24 10:08:49 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.69  | 152  | 43133    | 5.00 | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.47 | 136  | 183127   | 5.00 | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.33 | 164  | 102860   | 5.00 | ng    | 0.00     |
| 19) Phenanthrene-d10           | 17.07 | 188  | 250490   | 5.00 | ng    | 0.00     |
| 26) Chrysene-d12               | 21.28 | 240  | 256274   | 5.00 | ng    | -0.01    |
| 35) Perylene-d12               | 23.52 | 264  | 203554   | 5.00 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |      |       |          |
| 4) 2-Fluorophenol              | 5.28  | 112  | 8738     | 0.86 | ng    | 0.02     |
| 5) Phenol-d6                   | 6.87  | 99   | 10531    | 0.84 | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.84  | 82   | 8006     | 0.83 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 15.82 | 330  | 2304     | 0.85 | ng    | -0.02    |
| 15) 2-Fluorobiphenyl           | 12.95 | 172  | 27920    | 0.89 | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.71 | 244  | 29985    | 0.68 | ng    | 0.00     |
| Target Compounds               |       |      |          |      |       | Qvalue   |
| 2) 1,4-Dioxane                 | 3.18  | 88   | 3837     | 0.92 | ng    | 99       |
| 3) n-Nitrosodimethylamine      | 3.49  | 42   | 3877     | 0.84 | ng    | 100      |
| 6) bis(2-Chloroethyl)ether     | 7.11  | 93   | 9309     | 0.84 | ng    | 99       |
| 9) Nitrobenzene                | 8.88  | 77   | 8977     | 0.81 | ng    | 99       |
| 10) Naphthalene                | 10.51 | 128  | 36720    | 0.88 | ng    | 98       |
| 11) Hexachlorobutadiene        | 10.82 | 225  | 5684     | 0.88 | ng    | 100      |
| 12) 2-Methylnaphthalene        | 12.14 | 142  | 24296    | 0.87 | ng    | 95       |
| 16) Acenaphthylene             | 14.05 | 152  | 39822    | 0.85 | ng    | 99       |
| 17) Acenaphthene               | 14.38 | 154  | 25242    | 0.88 | ng    | 95       |
| 18) Fluorene                   | 15.38 | 166  | 30941    | 0.89 | ng    | 96       |
| 20) 4-Bromophenyl-phenylether  | 16.28 | 248  | 8123     | 0.55 | ng    | # 53     |
| 21) Hexachlorobenzene          | 16.40 | 284  | 7873     | 0.54 | ng    | # 48     |
| 22) Pentachlorophenol          | 16.74 | 266  | 2589     | 0.84 | ng    | # 79     |
| 23) Phenanthrene               | 17.12 | 178  | 54123    | 0.67 | ng    | 98       |
| 24) Anthracene                 | 17.20 | 178  | 46005    | 0.79 | ng    | 97       |
| 25) Fluoranthene               | 19.15 | 202  | 59957    | 0.83 | ng    | 99       |
| 27) Benzidine                  | 19.34 | 184  | 15609    | 1.00 | ng    | 96       |
| 28) Pyrene                     | 19.51 | 202  | 62568    | 0.70 | ng    | 99       |
| 30) Benzo(a)anthracene         | 21.26 | 228  | 64149m   | 0.83 | ng    |          |
| 31) 3,3'-Dichlorobenzidine     | 21.20 | 252  | 15593    | 0.81 | ng    | # 76     |
| 32) Chrysene                   | 21.32 | 228  | 58476m   | 0.72 | ng    |          |
| 33) Bis(2-ethylhexyl)phthalate | 21.20 | 149  | 26027    | 0.64 | ng    | # 96     |
| 34) Indeno(1,2,3-cd)pyrene     | 25.77 | 276  | 49021    | 0.91 | ng    | 100      |
| 36) Benzo(b)fluoranthene       | 22.84 | 252  | 58635    | 0.88 | ng    | 95       |
| 37) Benzo(k)fluoranthene       | 22.89 | 252  | 50065    | 0.82 | ng    | 100      |
| 38) Benzo(a)pyrene             | 23.42 | 252  | 48509    | 0.85 | ng    | 99       |
| 39) Dibenzo(a,h)anthracene     | 25.79 | 278  | 39318    | 0.88 | ng    | 99       |
| 40) Benzo(g,h,i)perylene       | 26.46 | 276  | 41076    | 0.88 | ng    | 97       |

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

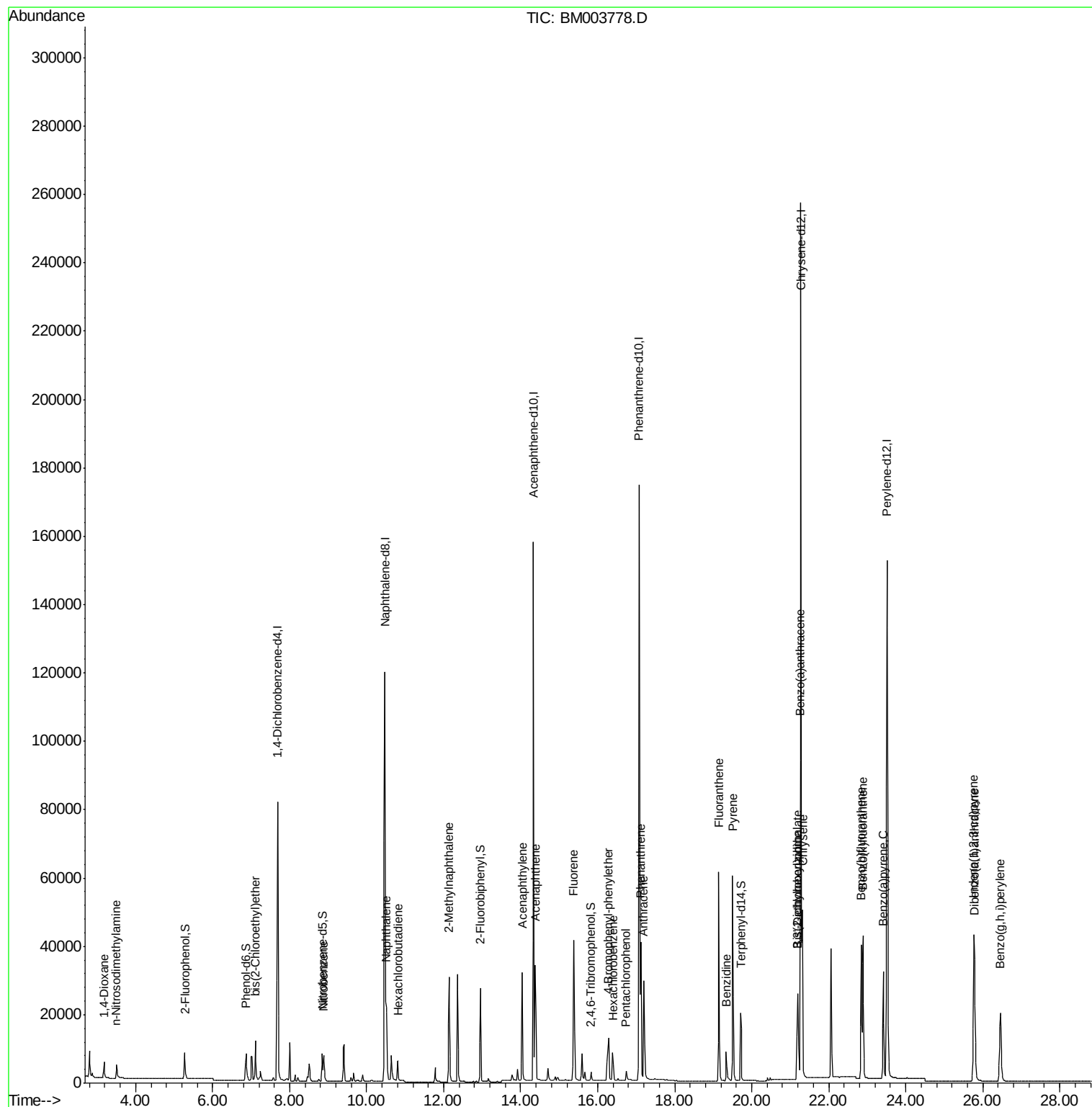
Data Path : Z:\HPCHEM1\BNA M\DATA\BM122415\  
Data File : BM003778.D  
Acq On : 24 Dec 2015 15:06  
Operator : UM/SJ  
Sample : SSTDCCC001  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

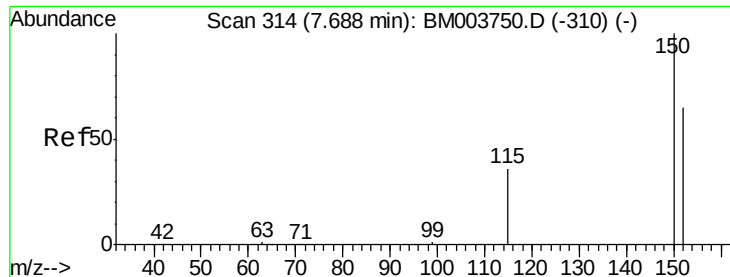
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC001EC

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Quant Time: Dec 24 17:25:00 2015  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM122415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 24 10:08:49 2015  
Response via : Initial Calibration





#1

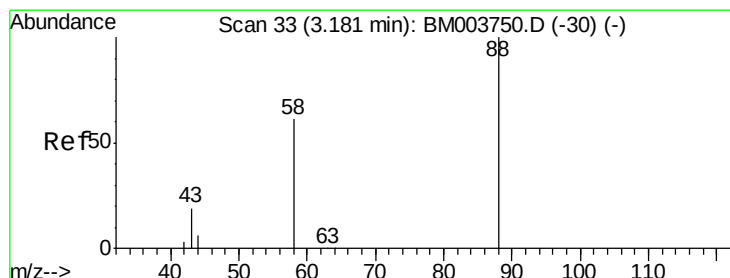
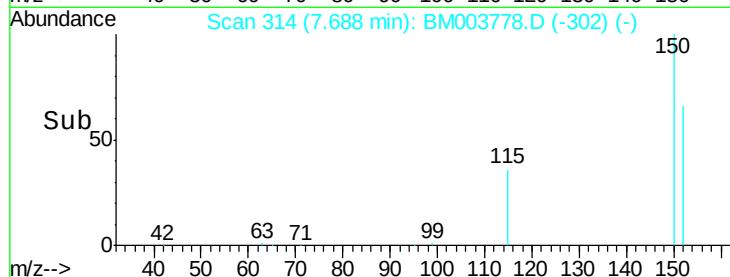
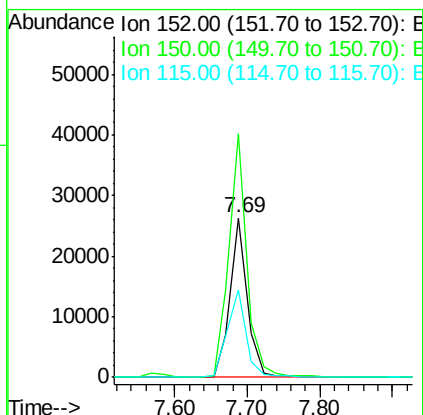
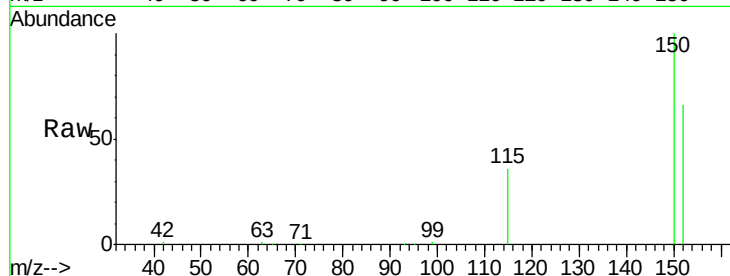
1,4-Dichlorobenzene-d4  
Concen: 5.00 ng  
RT: 7.69 min Scan# 314  
Delta R.T. -0.00 min  
Lab File: BM003778.D  
Acq: 24 Dec 2015 15:06

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC001EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.4 | 122.9 | 184.3 |
| 115     | 54.6  | 44.4  | 66.6  |

Manual Integrations  
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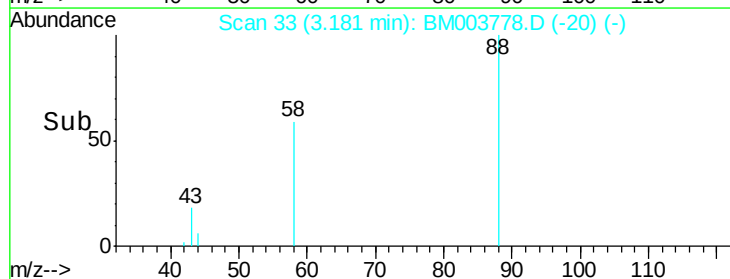
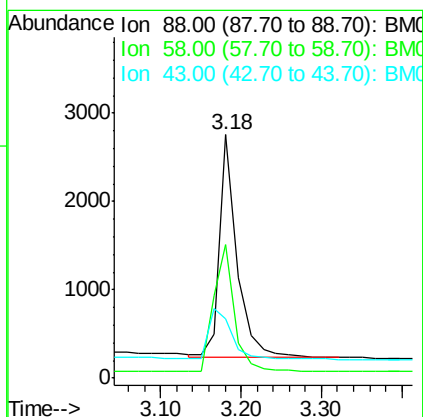
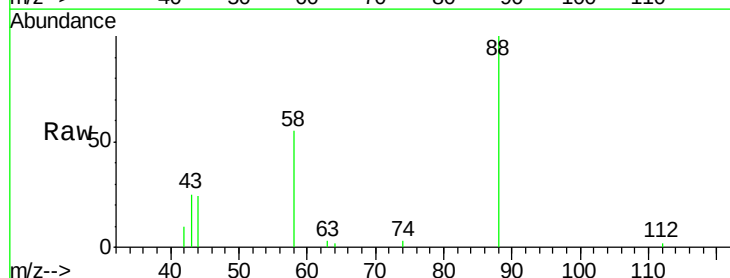
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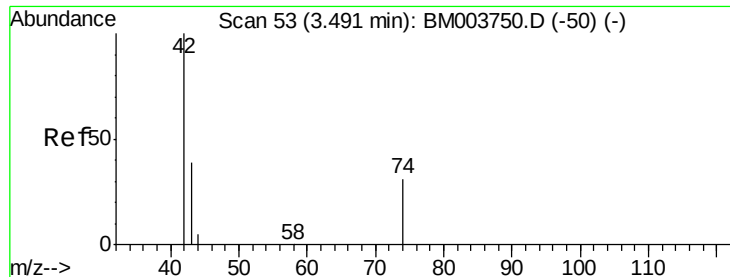


#2

1,4-Dioxane  
Concen: 0.92 ng  
RT: 3.18 min Scan# 33  
Delta R.T. 0.00 min  
Lab File: BM003778.D  
Acq: 24 Dec 2015 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 67.7  | 53.8  | 80.6  |
| 43      | 30.4  | 23.8  | 35.6  |





#3

n-Nitrosodimethylamine

Concen: 0.84 ng

RT: 3.49 min Scan# 53

Delta R.T. -0.00 min

Lab File: BM003778.D

Acq: 24 Dec 2015 15:06

Instrument :

BNA\_M

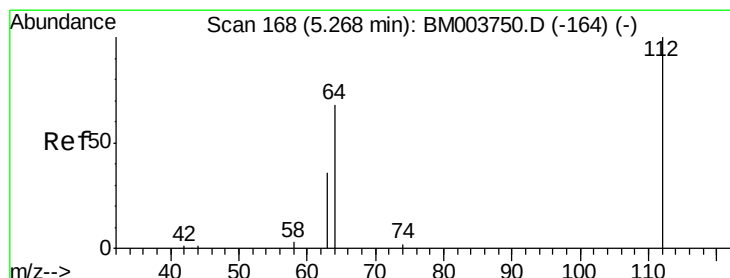
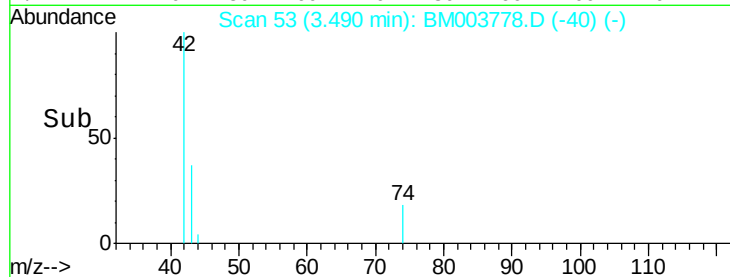
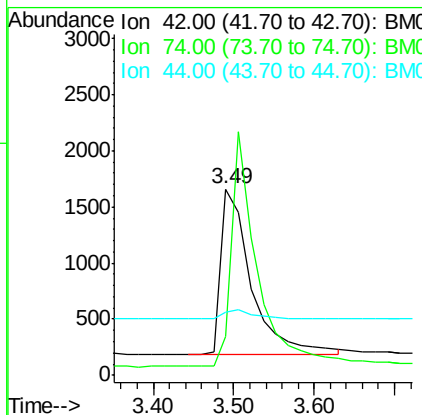
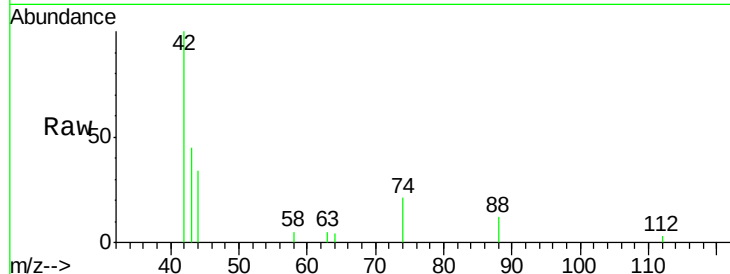
ClientSampleId :

SSTDCCC001EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 42    | Resp: | 3877  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 118.6 | 95.0  | 142.4 |
| 44       | 6.4   | 5.1   | 7.7   |

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#4

2-Fluorophenol

Concen: 0.86 ng

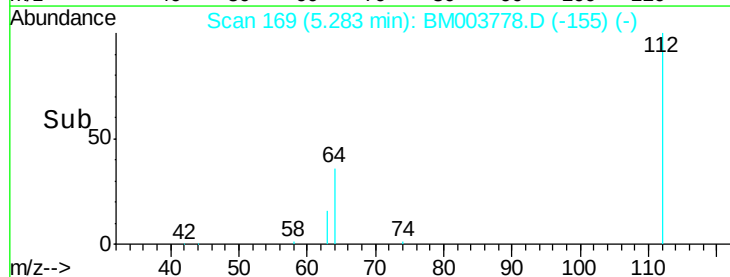
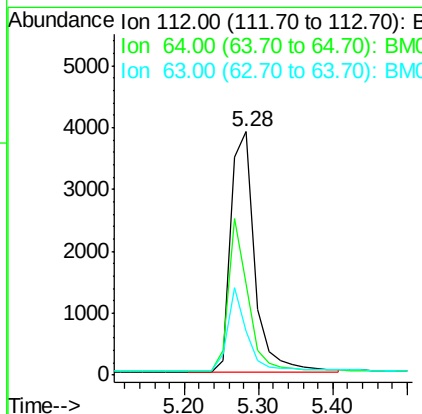
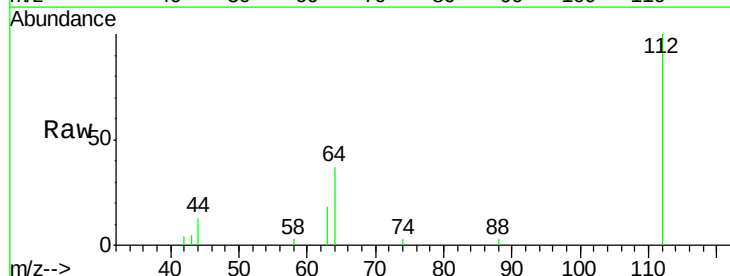
RT: 5.28 min Scan# 169

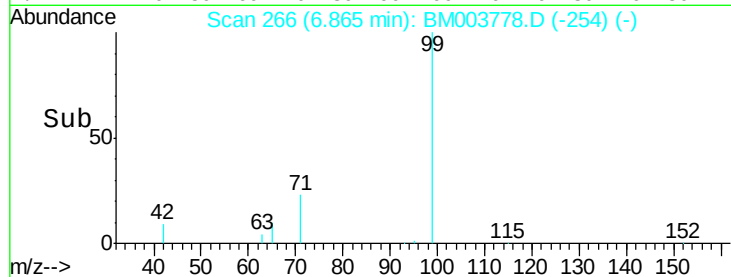
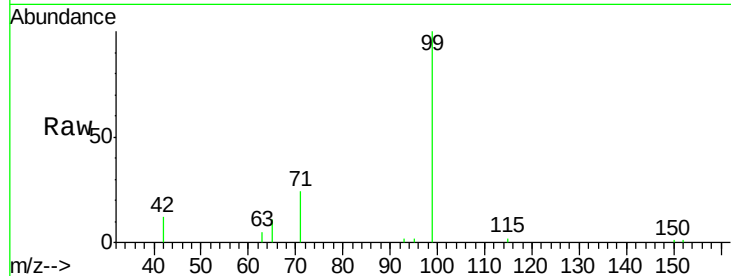
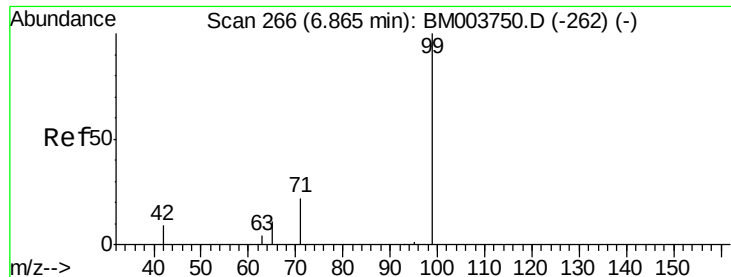
Delta R.T. 0.02 min

Lab File: BM003778.D

Acq: 24 Dec 2015 15:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 8738  |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 52.6  | 41.8  | 62.8  |
| 63       | 27.8  | 22.1  | 33.1  |





#5

Phenol-d6

Concen: 0.84 ng

RT: 6.87 min Scan# 266

Delta R.T. -0.00 min

Lab File: BM003778.D

Acq: 24 Dec 2015 15:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 10531 |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 19.6  | 16.2  | 24.2  |
| 71       | 30.7  | 24.4  | 36.6  |

Instrument :

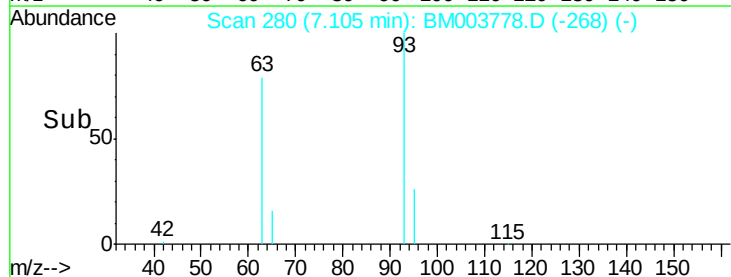
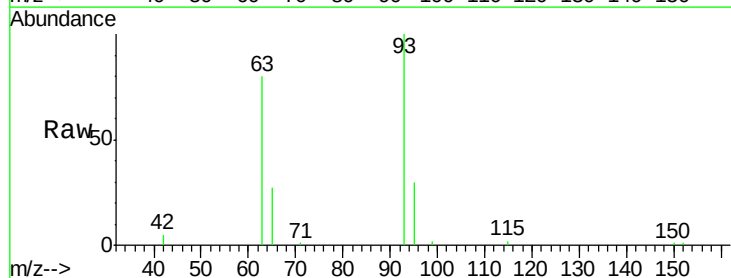
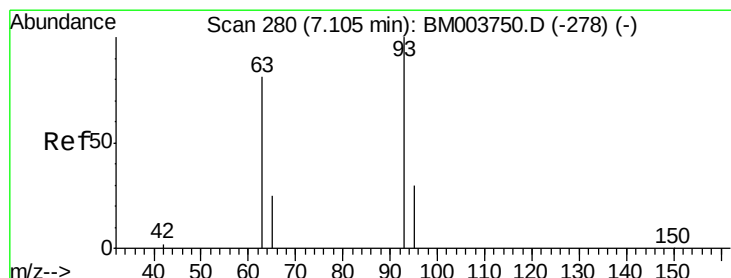
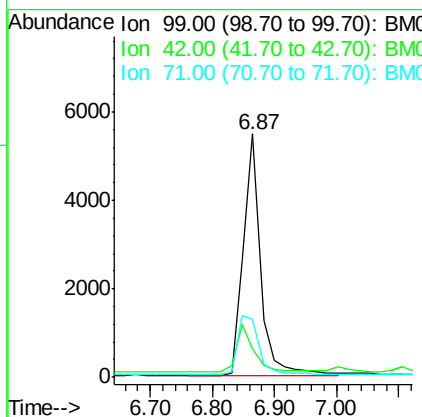
BNA\_M

ClientSampleId :

SSTDCCC001EC

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#6

bis(2-Chloroethyl)ether

Concen: 0.84 ng

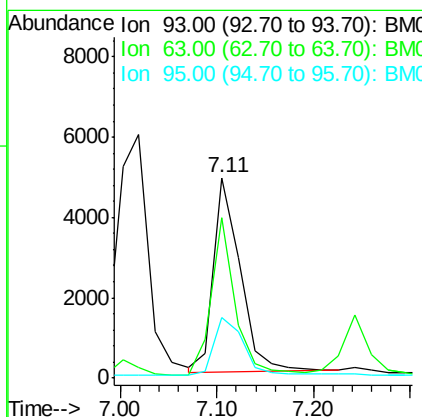
RT: 7.11 min Scan# 280

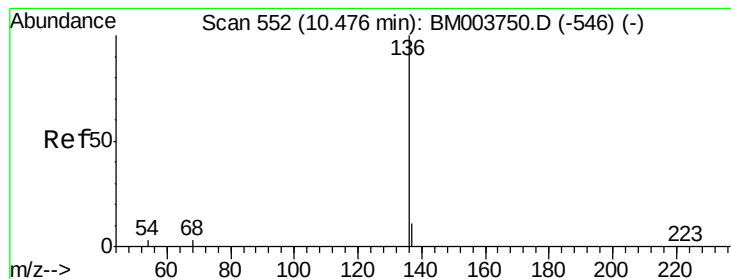
Delta R.T. -0.00 min

Lab File: BM003778.D

Acq: 24 Dec 2015 15:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 9309  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 72.4  | 58.3  | 87.5  |
| 95       | 33.7  | 25.8  | 38.8  |





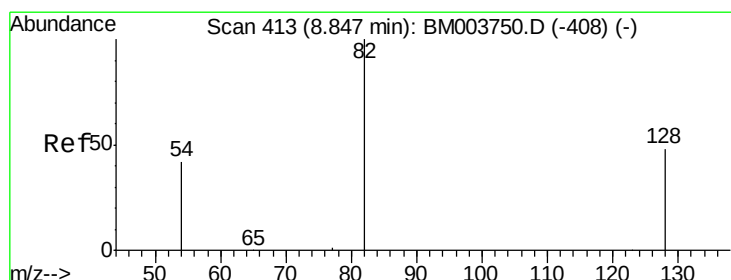
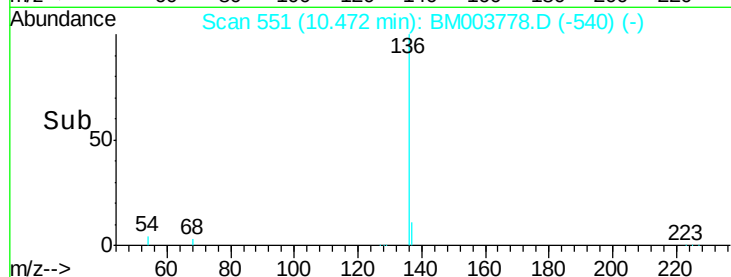
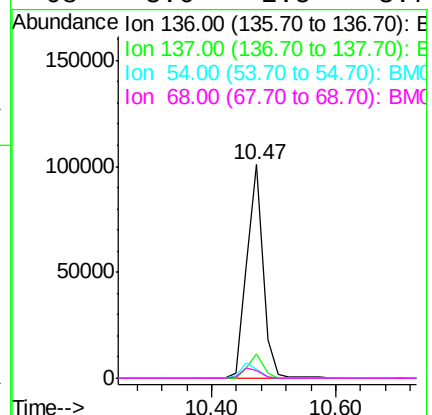
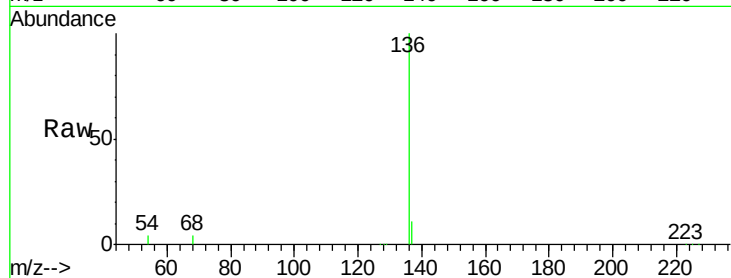
#7  
Naphthalene-d8  
Concen: 5.00 ng  
RT: 10.47 min Scan# 551  
Delta R.T. -0.00 min  
Lab File: BM003778.D  
Acq: 24 Dec 2015 15:06

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC001EC

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 11.2  | 9.2  | 13.8  |       |
| 54      | 4.3   | 2.8  | 4.2#  |       |
| 68      | 3.6   | 2.5  | 3.7   |       |

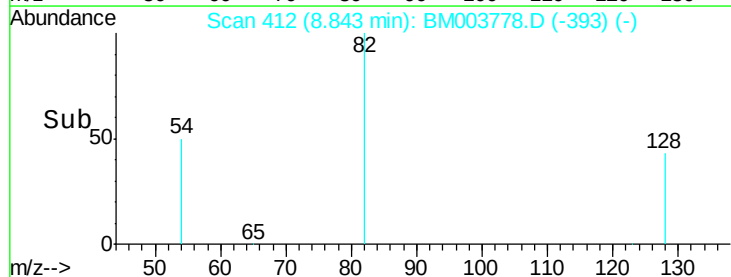
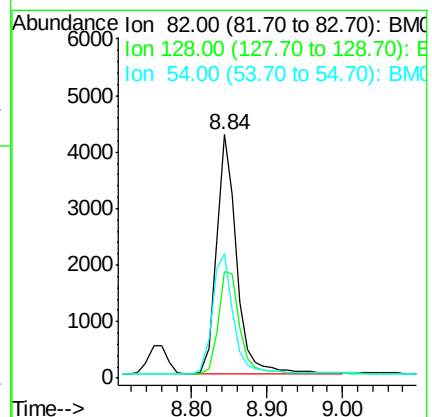
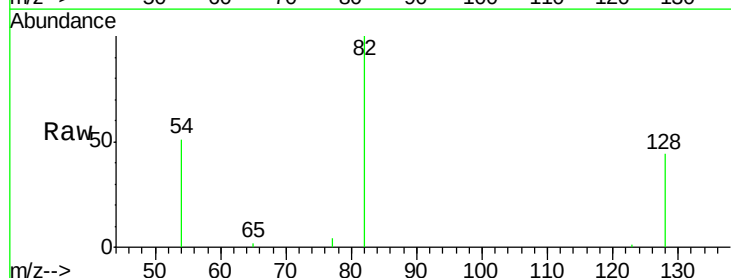
Manual Integrations  
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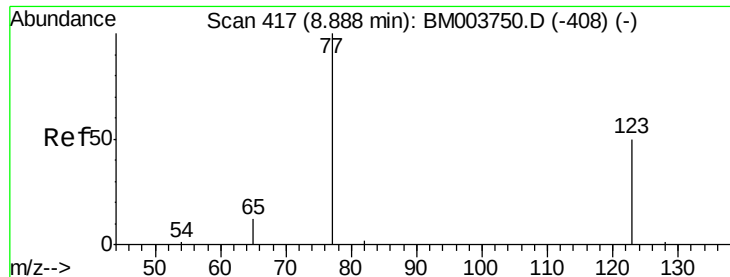
Sohil  
12/24/2015 5:29:44 PM



#8  
Nitrobenzene-d5  
Concen: 0.83 ng  
RT: 8.84 min Scan# 412  
Delta R.T. -0.00 min  
Lab File: BM003778.D  
Acq: 24 Dec 2015 15:06

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 43.7  | 39.1 | 58.7  |       |
| 54      | 51.0  | 34.8 | 52.2  |       |





#9

Nitrobenzene

Concen: 0.81 ng

RT: 8.88 min Scan# 416

Delta R.T. -0.00 min

Lab File: BM003778.D

Acq: 24 Dec 2015 15:06

Instrument :

BNA\_M

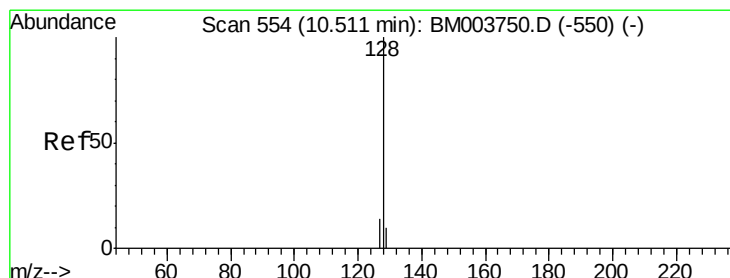
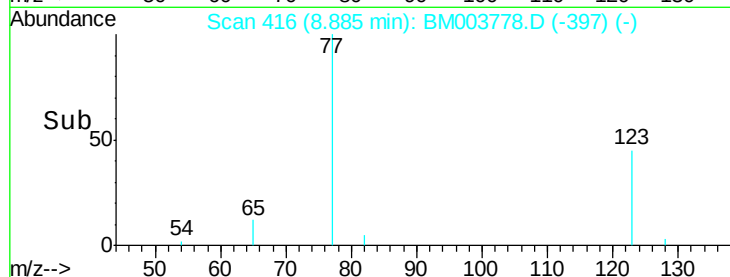
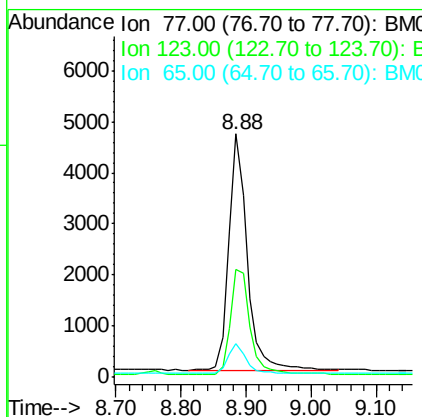
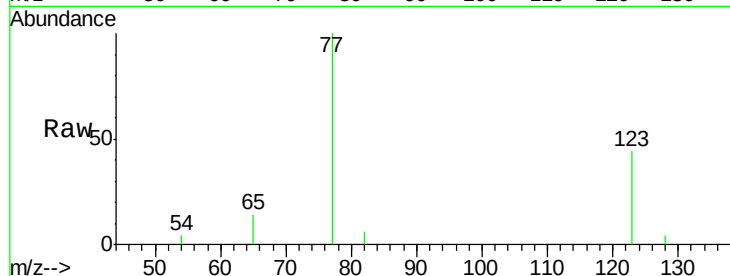
ClientSampleId :

SSTDCCC001EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 77    | Resp: | 8977  |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 123      | 48.7  | 38.6  | 57.8  |
| 65       | 12.5  | 9.9   | 14.9  |

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#10

Naphthalene

Concen: 0.88 ng

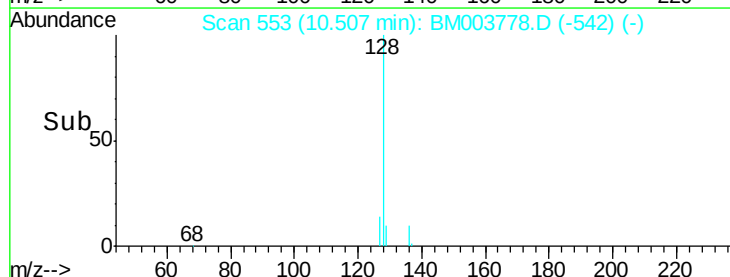
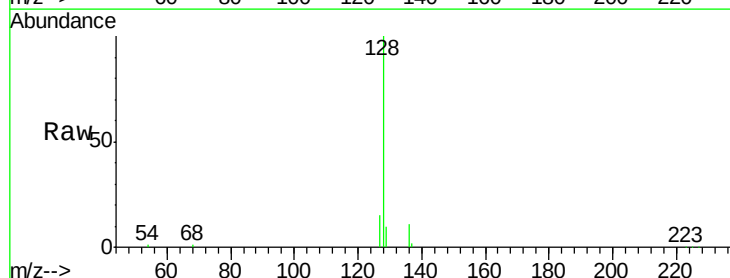
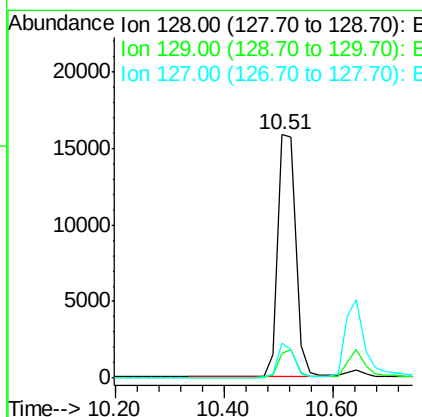
RT: 10.51 min Scan# 553

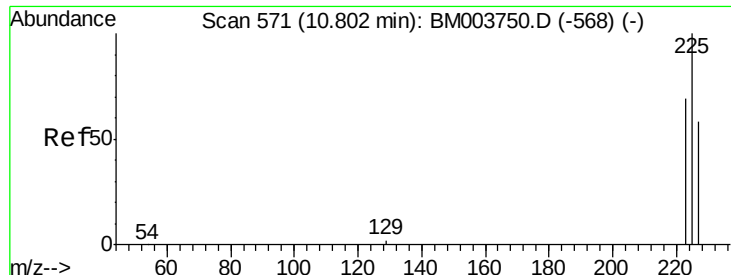
Delta R.T. -0.00 min

Lab File: BM003778.D

Acq: 24 Dec 2015 15:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 36720 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 10.2  | 8.5   | 12.7  |
| 127      | 14.6  | 11.0  | 16.4  |





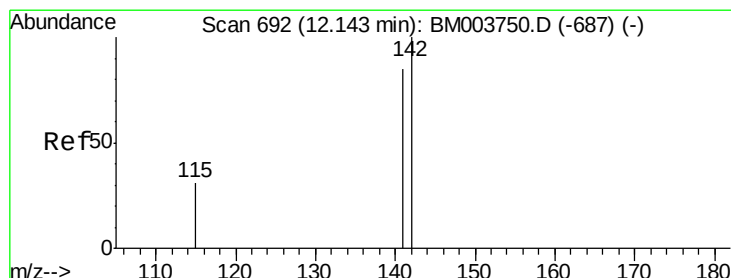
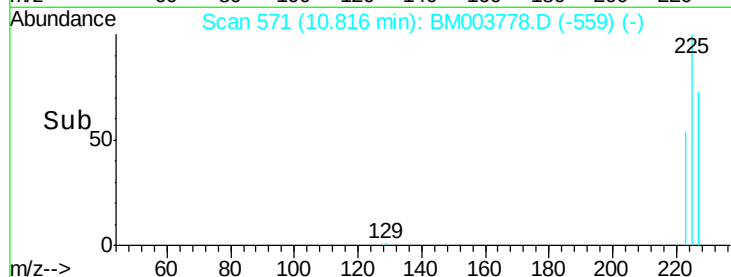
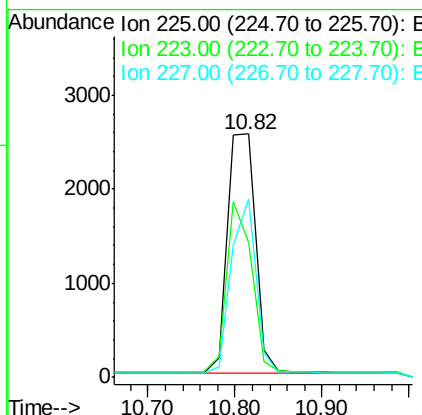
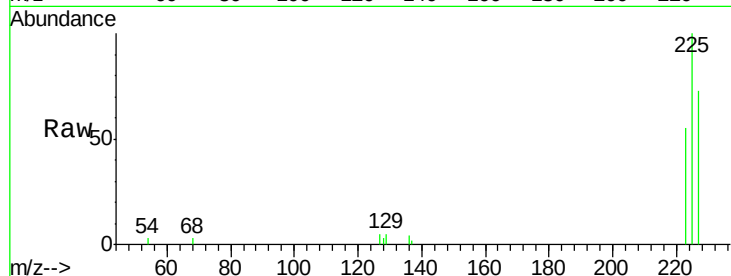
#11  
Hexachlorobutadiene  
Concen: 0.88 ng  
RT: 10.82 min Scan# 571  
Delta R.T. 0.01 min  
Lab File: BM003778.D  
Acq: 24 Dec 2015 15:06

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC001EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.3  | 50.9  | 76.3  |
| 227     | 63.8  | 51.2  | 76.8  |

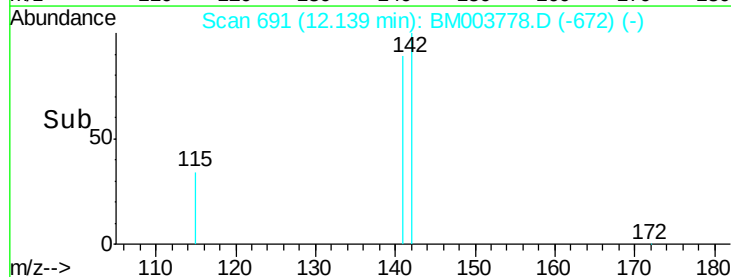
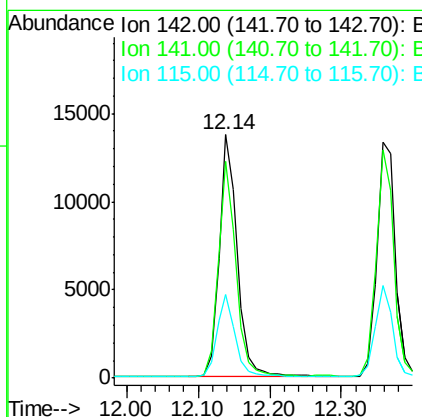
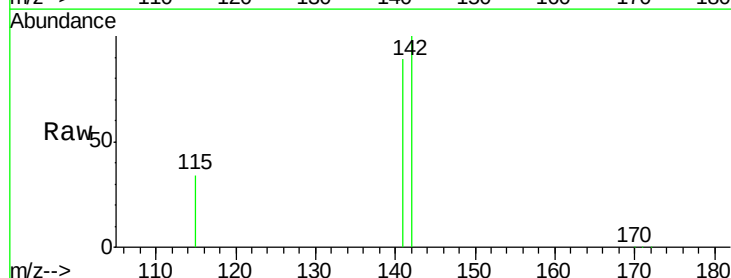
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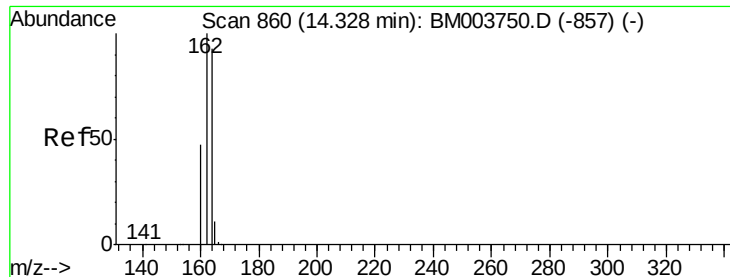


#12  
2-Methylnaphthalene  
Concen: 0.87 ng  
RT: 12.14 min Scan# 691  
Delta R.T. -0.00 min  
Lab File: BM003778.D  
Acq: 24 Dec 2015 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.1  | 67.8  | 101.8 |
| 115     | 34.5  | 25.3  | 37.9  |







#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.33 min Scan# 860

Delta R.T. 0.01 min

Lab File: BM003778.D

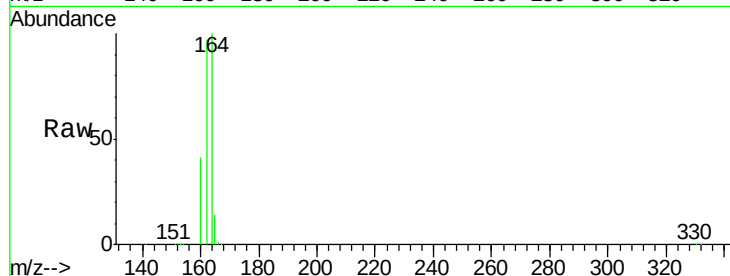
Acq: 24 Dec 2015 15:06

Instrument :

BNA\_M

ClientSampleId :

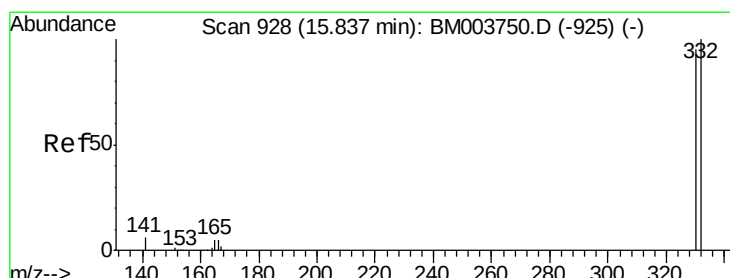
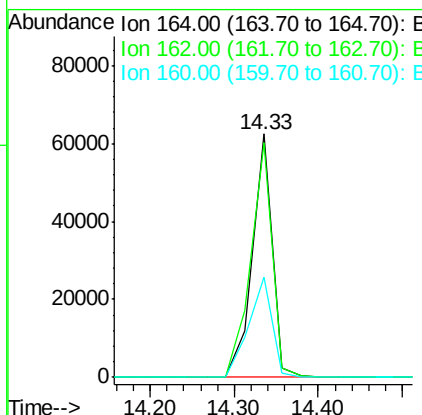
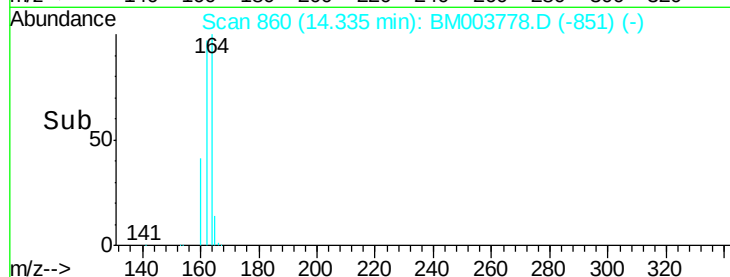
SSTDCCC001EC



|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 164   | Resp: | 102860 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 96.6  | 86.0  | 129.0  |
| 160       | 41.0  | 40.3  | 60.5   |

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#14

2,4,6-Tribromophenol

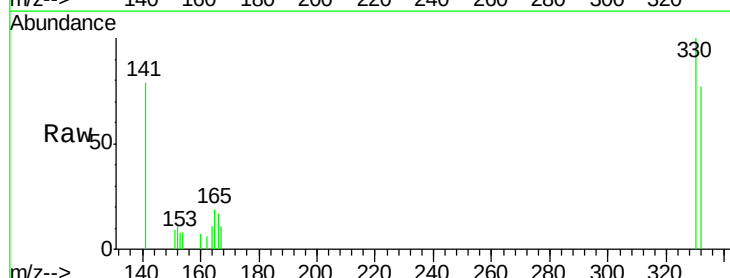
Concen: 0.85 ng

RT: 15.82 min Scan# 927

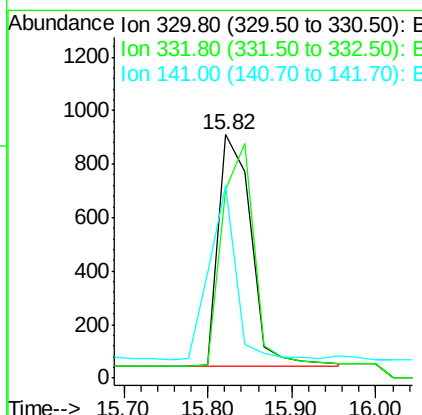
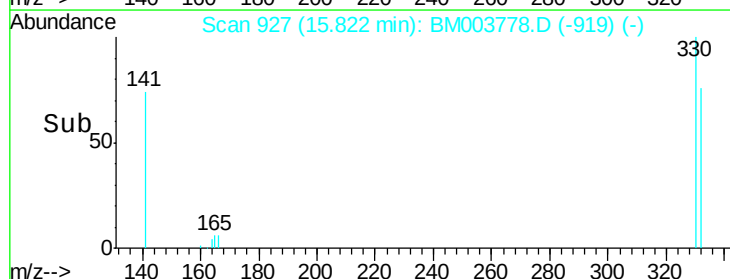
Delta R.T. -0.02 min

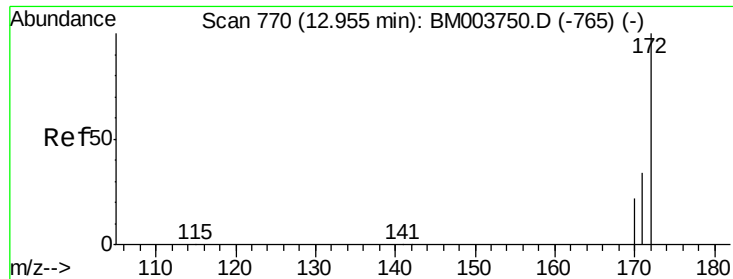
Lab File: BM003778.D

Acq: 24 Dec 2015 15:06



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 2304   |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 0.0   | 79.0  | 118.4# |
| 141       | 61.6  | 0.0   | 0.0#   |





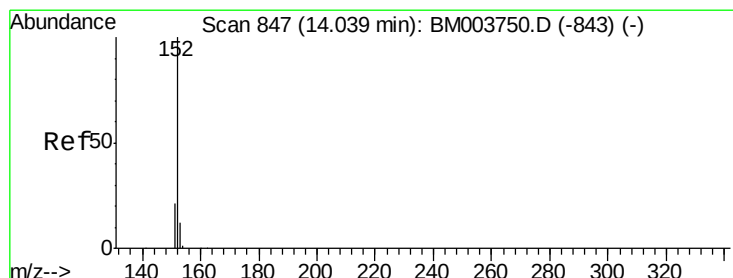
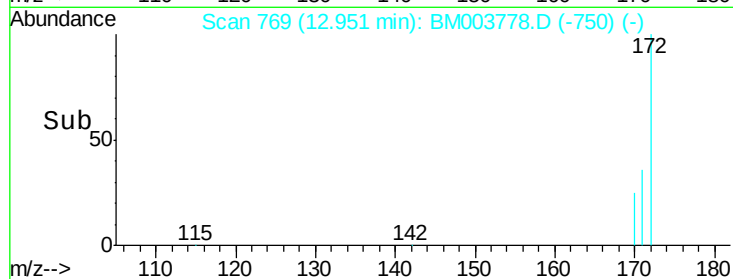
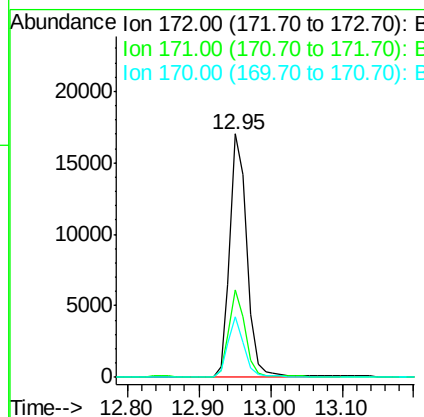
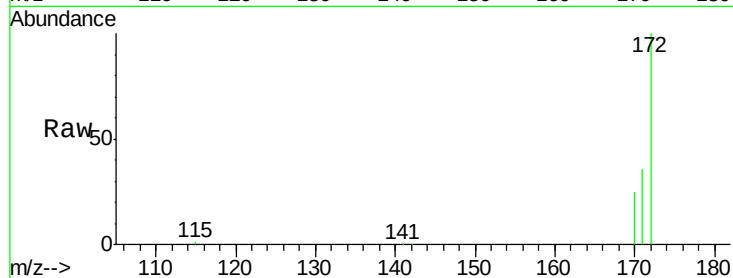
#15  
2-Fluorobiphenyl  
Concen: 0.89 ng  
RT: 12.95 min Scan# 769  
Delta R.T. -0.00 min  
Lab File: BM003778.D  
Acq: 24 Dec 2015 15:06

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC001EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.9  | 27.0  | 40.6  |
| 170     | 24.9  | 17.9  | 26.9  |

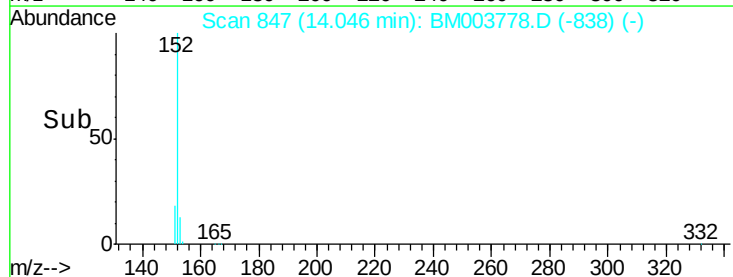
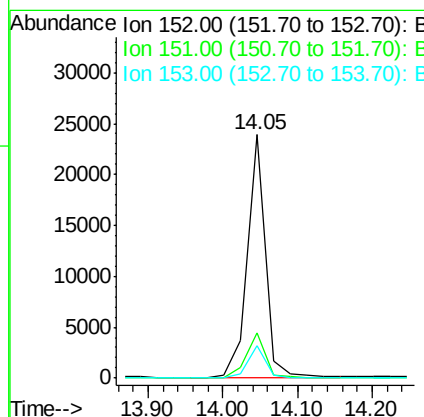
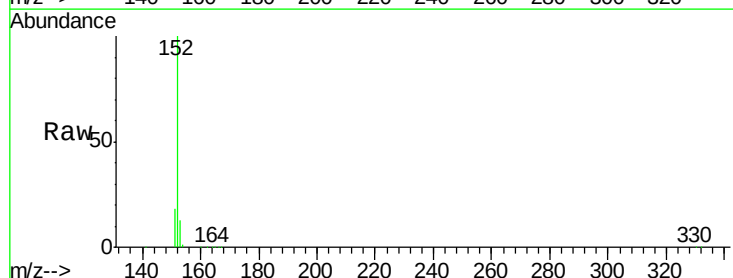
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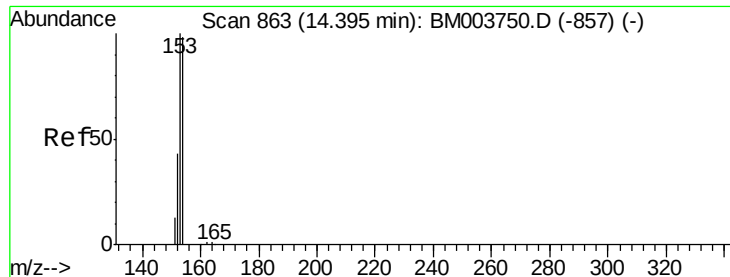
Sohil  
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#16  
Acenaphthylene  
Concen: 0.85 ng  
RT: 14.05 min Scan# 847  
Delta R.T. 0.01 min  
Lab File: BM003778.D  
Acq: 24 Dec 2015 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.1  | 15.8  | 23.8  |
| 153     | 13.0  | 10.2  | 15.4  |





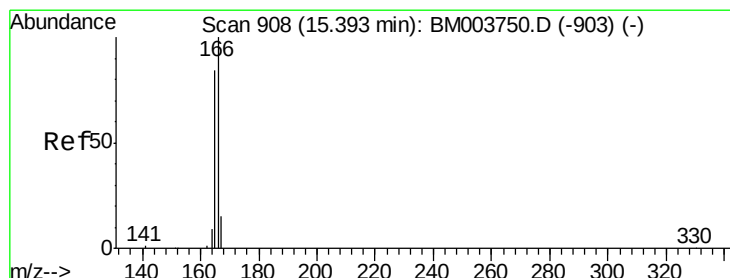
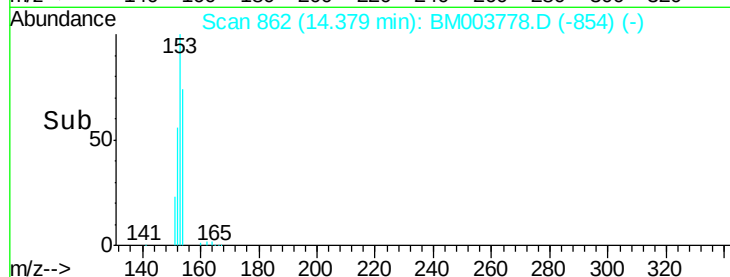
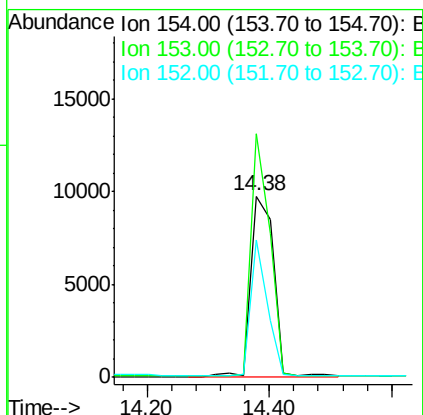
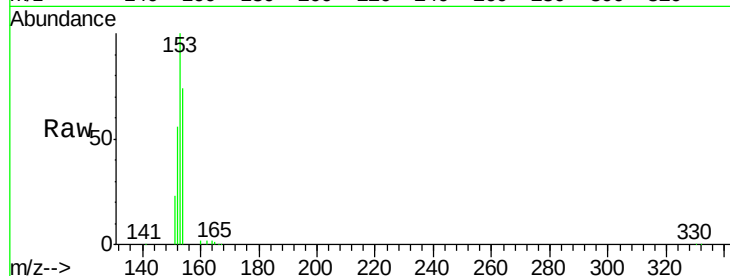
#17  
Acenaphthene  
Concen: 0.88 ng  
RT: 14.38 min Scan# 862  
Delta R.T. -0.02 min  
Lab File: BM003778.D  
Acq: 24 Dec 2015 15:06

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC001EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 111.4 | 85.4  | 128.2 |
| 152     | 55.0  | 40.6  | 60.8  |

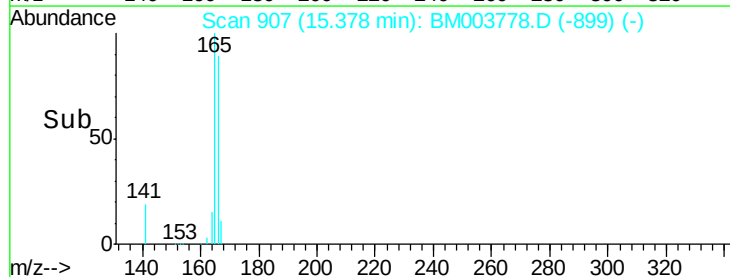
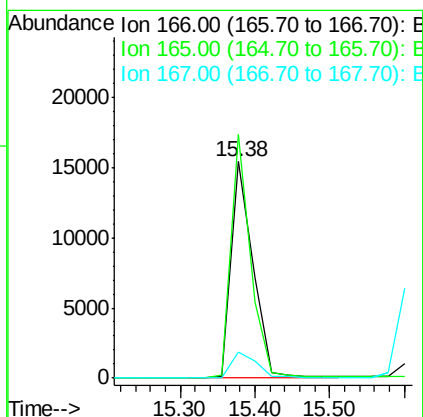
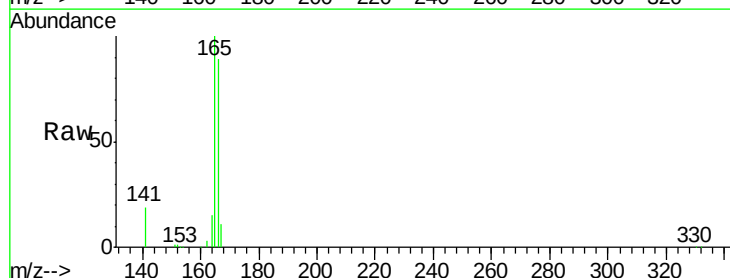
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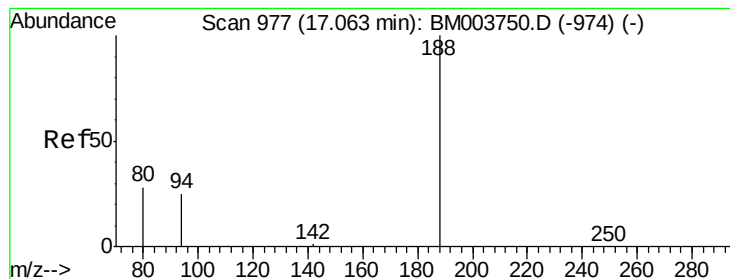
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#18  
Fluorene  
Concen: 0.89 ng  
RT: 15.38 min Scan# 907  
Delta R.T. -0.02 min  
Lab File: BM003778.D  
Acq: 24 Dec 2015 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 100.9 | 77.2  | 115.8 |
| 167     | 13.3  | 11.0  | 16.6  |





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.07 min Scan# 977

Delta R.T. 0.01 min

Lab File: BM003778.D

Acq: 24 Dec 2015 15:06

Instrument :

BNA\_M

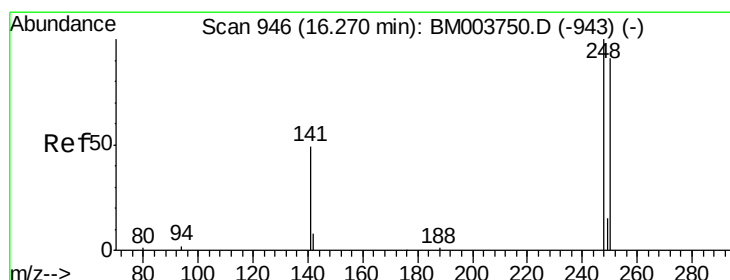
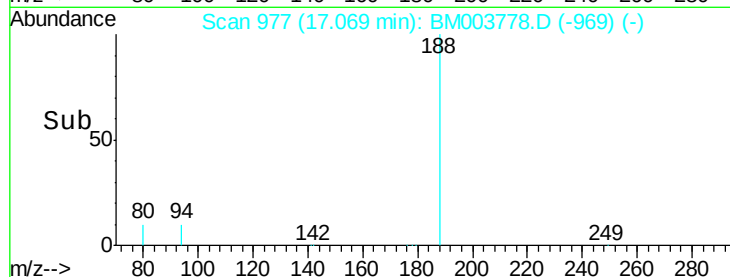
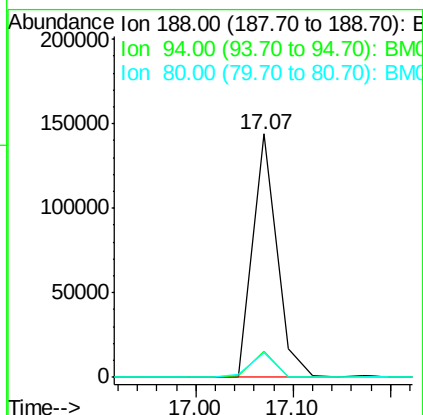
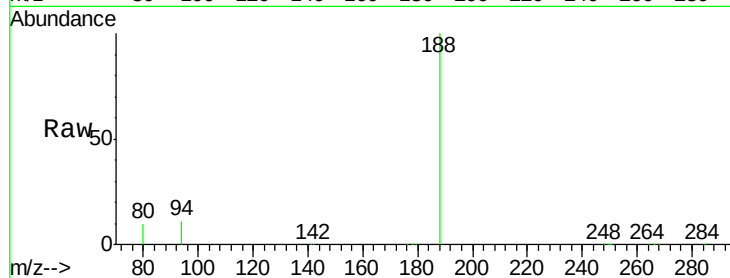
ClientSampleId :

SSTDCCC001EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 188   | Resp: | 250490 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 10.5  | 20.3  | 30.5#  |
| 80        | 10.1  | 22.2  | 33.4#  |

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#20

4-Bromophenyl-phenylether

Concen: 0.55 ng

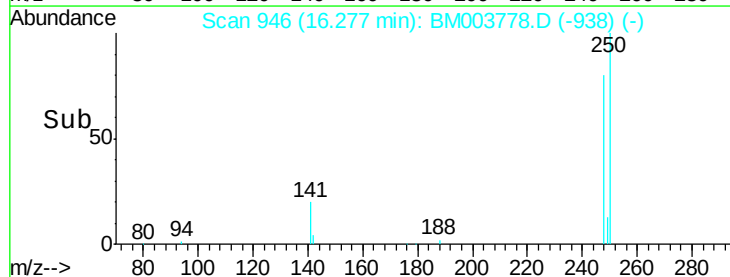
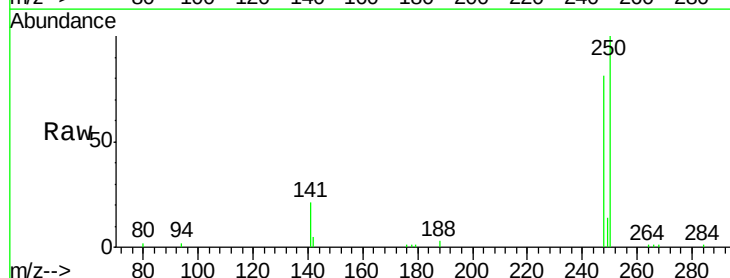
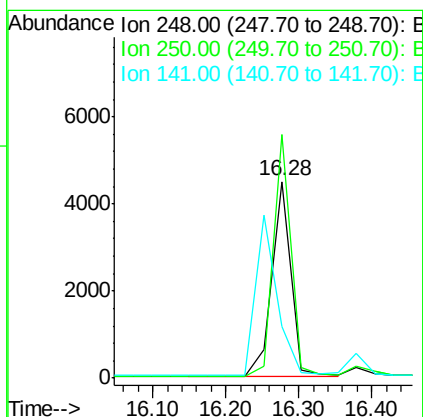
RT: 16.28 min Scan# 946

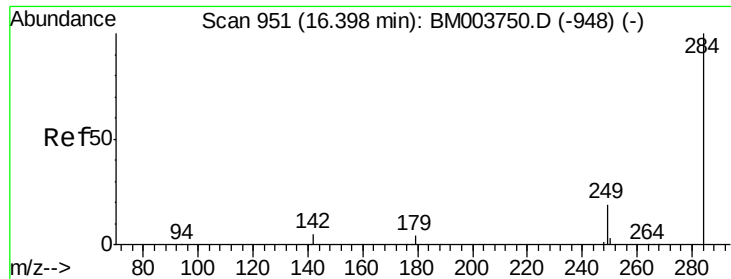
Delta R.T. 0.01 min

Lab File: BM003778.D

Acq: 24 Dec 2015 15:06

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 248   | Resp: | 8123   |
| Ion Ratio | Lower | Upper |        |
| 248       | 100   |       |        |
| 250       | 114.1 | 75.0  | 112.4# |
| 141       | 0.0   | 53.0  | 79.4#  |





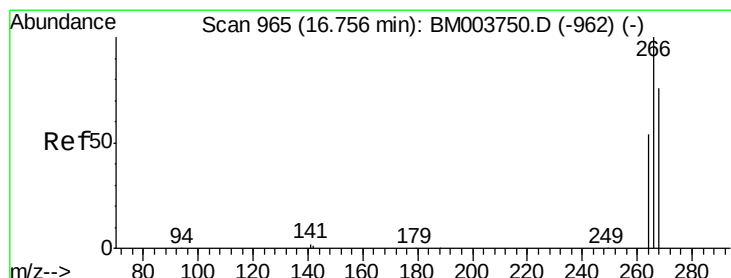
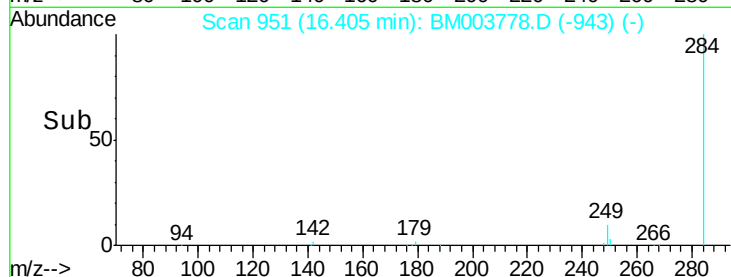
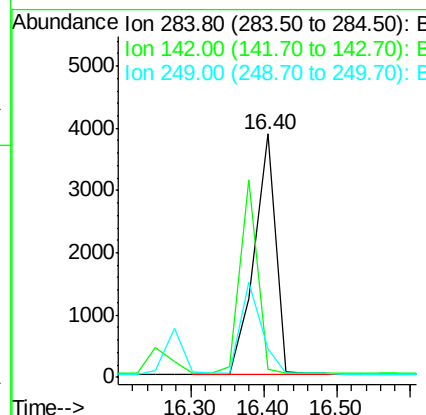
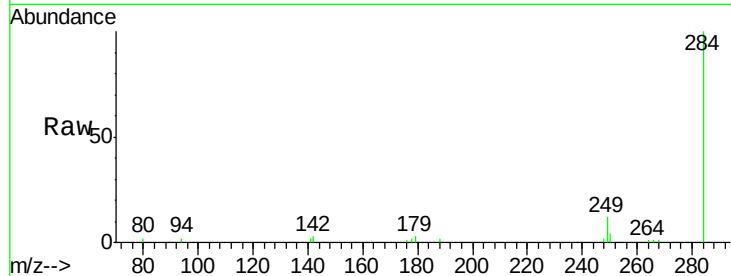
#21  
Hexachlorobenzene  
Concen: 0.54 ng  
RT: 16.40 min Scan# 951  
Delta R.T. 0.01 min  
Lab File: BM003778.D  
Acq: 24 Dec 2015 15:06

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC001EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 0.0   | 0.0   | 0.0   |
| 249     | 0.0   | 21.5  | 32.3# |

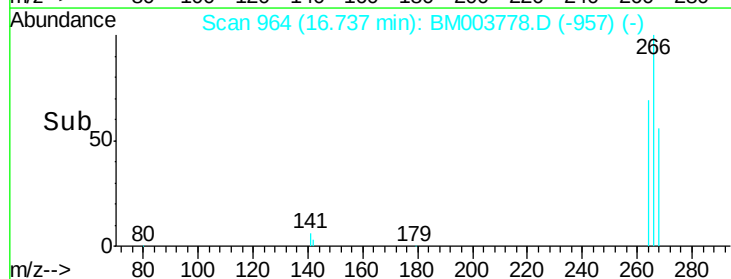
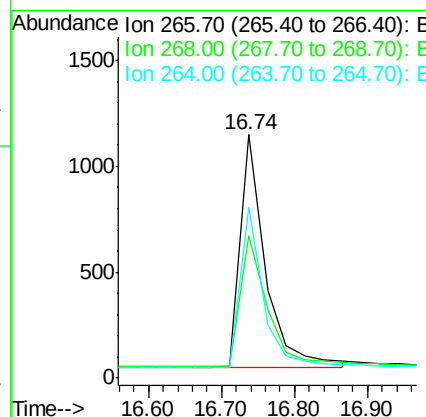
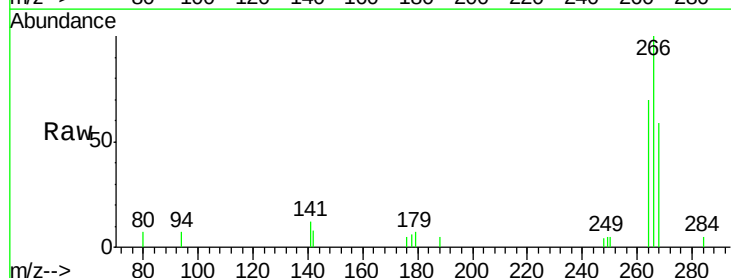
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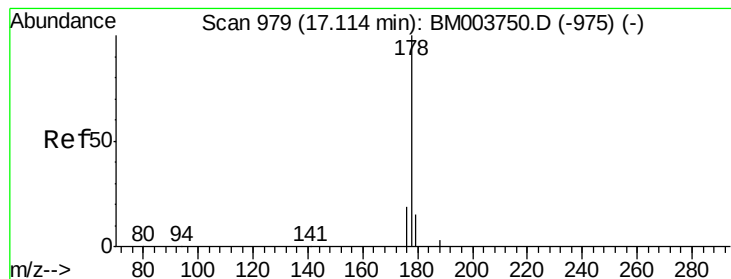
Sohil  
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#22  
Pentachlorophenol  
Concen: 0.84 ng  
RT: 16.74 min Scan# 964  
Delta R.T. -0.02 min  
Lab File: BM003778.D  
Acq: 24 Dec 2015 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 58.6  | 62.7  | 94.1# |
| 264     | 70.3  | 45.7  | 68.5# |





#23

Phenanthrene

Concen: 0.67 ng

RT: 17.12 min Scan# 979

Delta R.T. 0.01 min

Lab File: BM003778.D

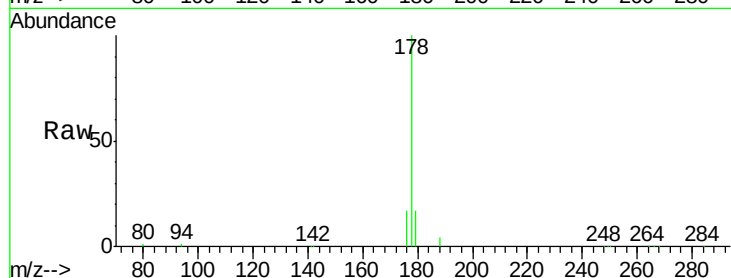
Acq: 24 Dec 2015 15:06

Instrument :

BNA\_M

ClientSampleId :

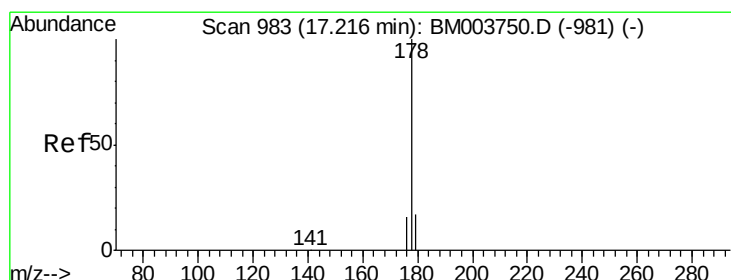
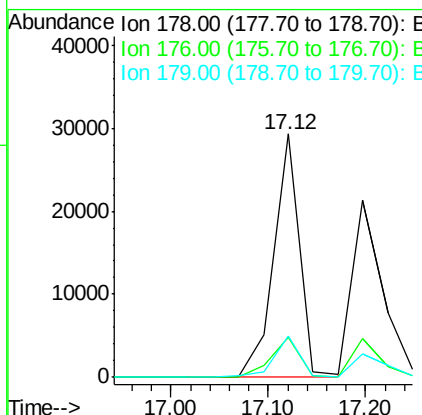
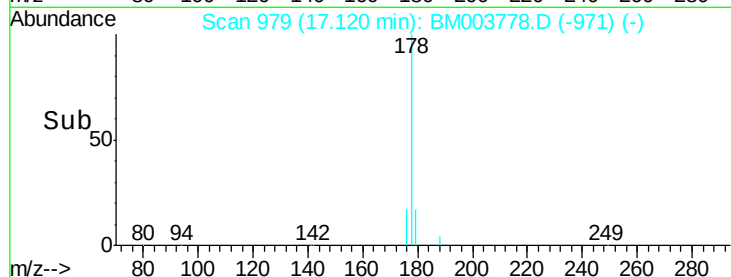
SSTDCCC001EC



|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 178   | Resp: | 54123 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 18.1  | 15.4  | 23.0  |
| 179       | 16.3  | 12.2  | 18.4  |

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#24

Anthracene

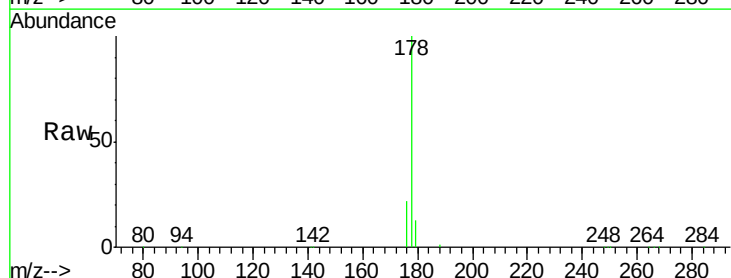
Concen: 0.79 ng

RT: 17.20 min Scan# 982

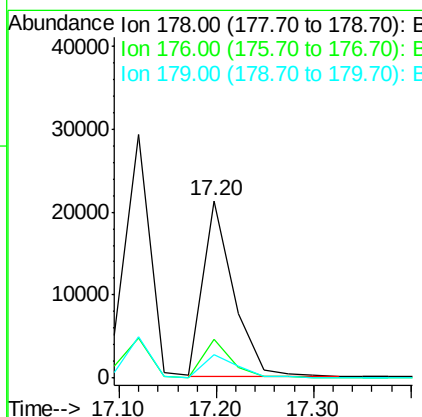
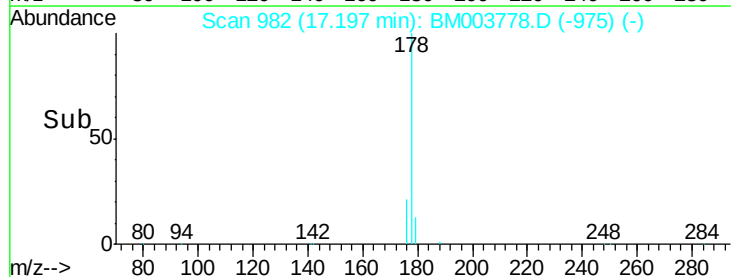
Delta R.T. -0.02 min

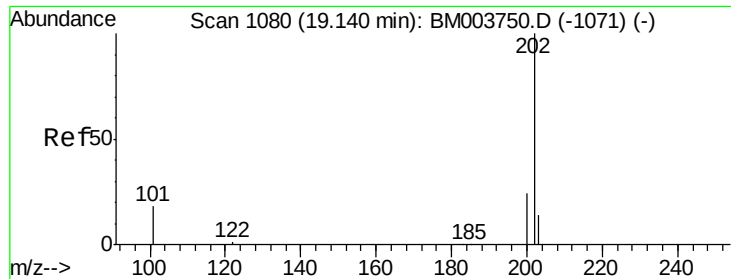
Lab File: BM003778.D

Acq: 24 Dec 2015 15:06



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 46005 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 19.7  | 14.6  | 21.8  |
| 179       | 14.5  | 12.6  | 19.0  |





#25

Fluoranthene

Concen: 0.83 ng

RT: 19.15 min Scan# 1080

Delta R.T. 0.01 min

Lab File: BM003778.D

Acq: 24 Dec 2015 15:06

Instrument :

BNA\_M

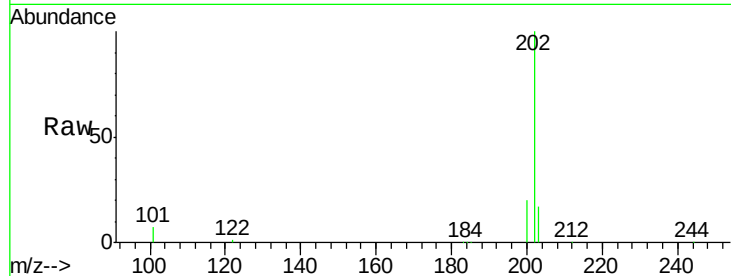
ClientSampleId :

SSTDCCC001EC

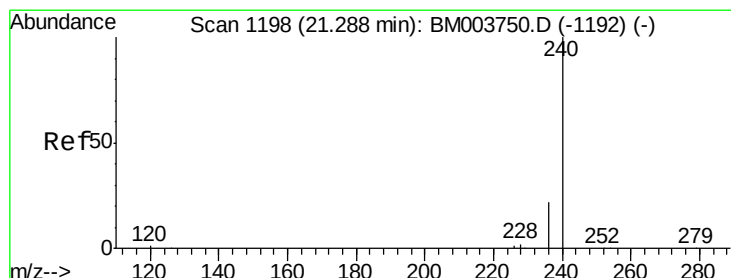
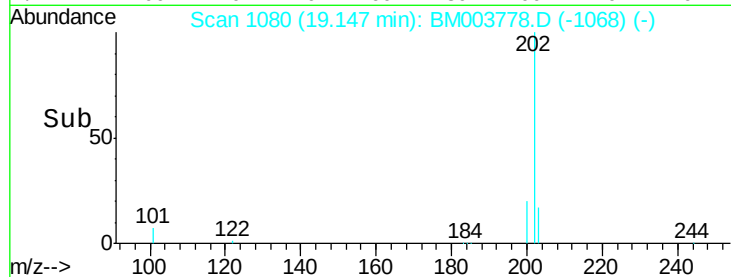
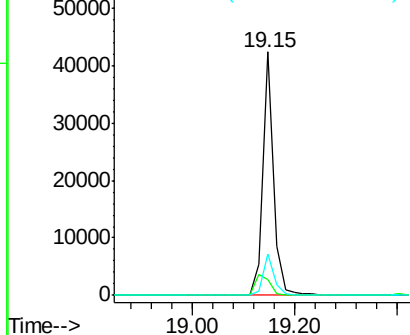
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 202   | Resp: | 59957 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 11.6  | 9.7   | 14.5  |
| 203       | 17.3  | 13.8  | 20.8  |

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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



#26

Chrysene-d12

Concen: 5.00 ng

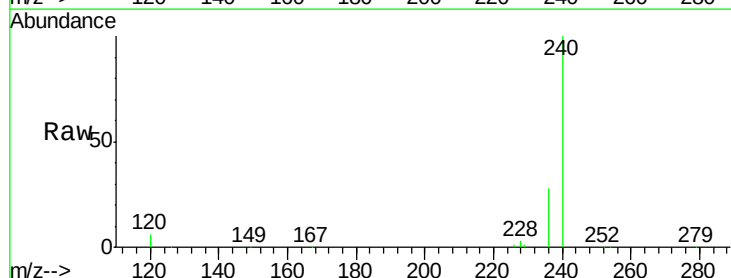
RT: 21.28 min Scan# 1197

Delta R.T. -0.01 min

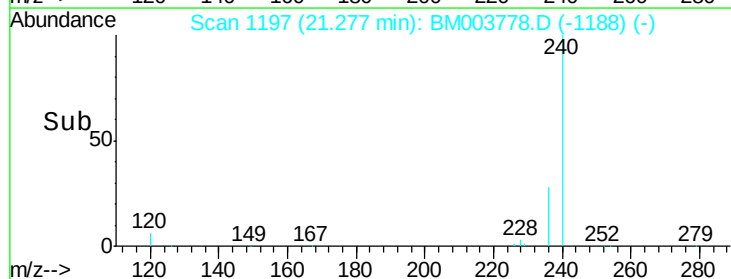
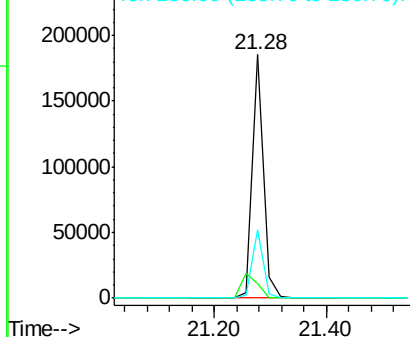
Lab File: BM003778.D

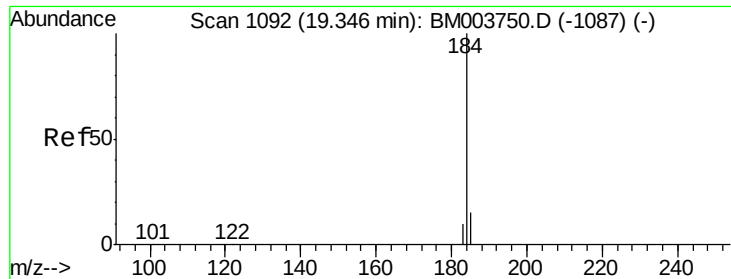
Acq: 24 Dec 2015 15:06

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 256274 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 6.0   | 0.9   | 1.3#   |
| 236       | 28.0  | 17.3  | 25.9#  |



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





#27

Benzidine

Concen: 1.00 ng

RT: 19.34 min Scan# 1091

Delta R.T. -0.01 min

Lab File: BM003778.D

Acq: 24 Dec 2015 15:06

Instrument :

BNA\_M

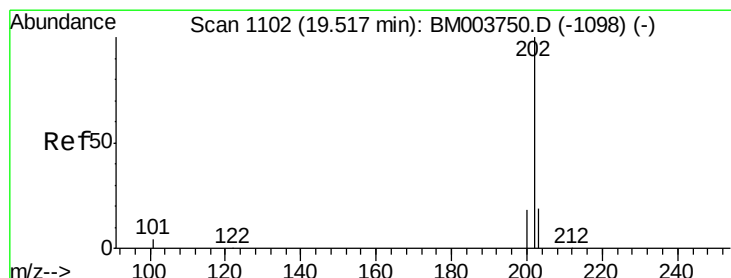
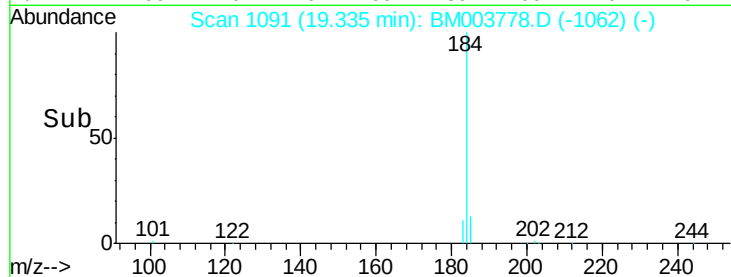
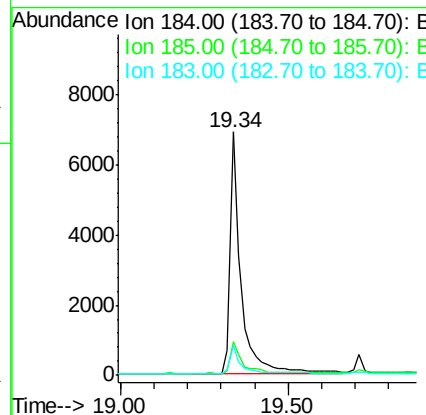
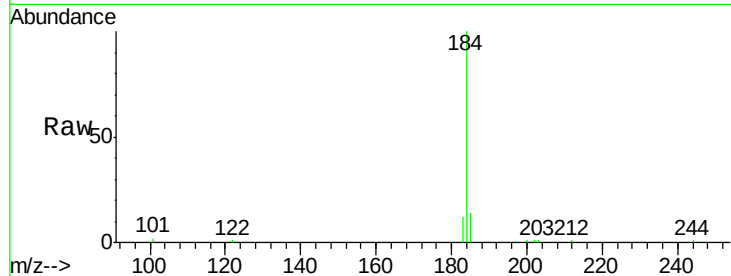
ClientSampleId :

SSTDCCC001EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 184   | Resp: | 15609 |
| Ion Ratio | Lower | Upper |       |
| 184       | 100   |       |       |
| 185       | 14.1  | 13.2  | 19.8  |
| 183       | 12.1  | 9.0   | 13.6  |

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#28

Pyrene

Concen: 0.70 ng

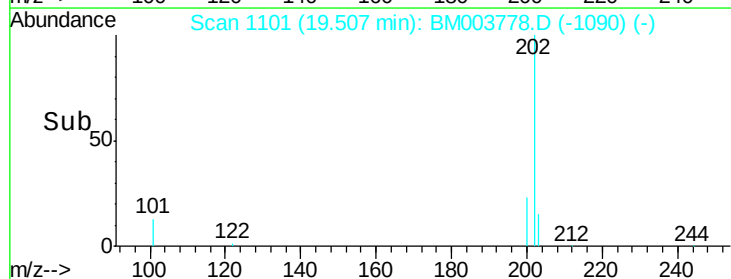
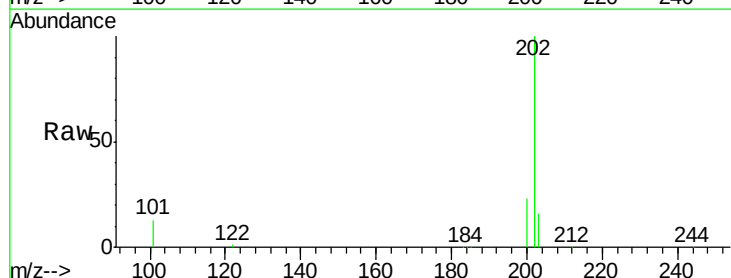
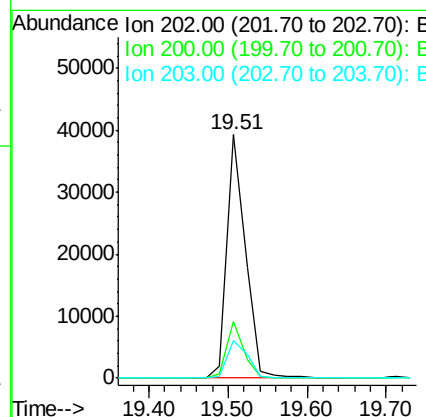
RT: 19.51 min Scan# 1101

Delta R.T. -0.01 min

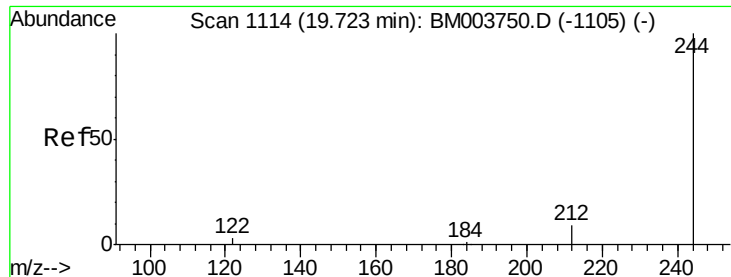
Lab File: BM003778.D

Acq: 24 Dec 2015 15:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 62568 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 21.2  | 16.6  | 24.8  |
| 203       | 17.2  | 14.0  | 21.0  |







#29

Terphenyl-d14

Concen: 0.68 ng

RT: 19.71 min Scan# 1113

Delta R.T. -0.01 min

Lab File: BM003778.D

Acq: 24 Dec 2015 15:06

Instrument :

BNA\_M

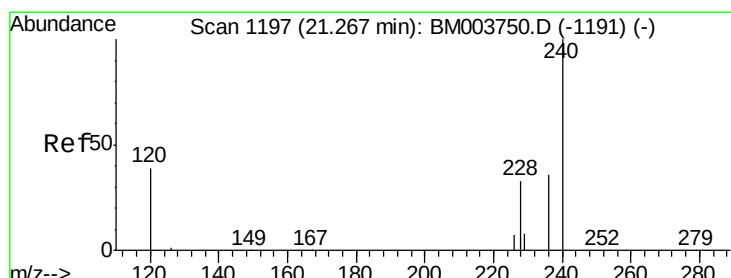
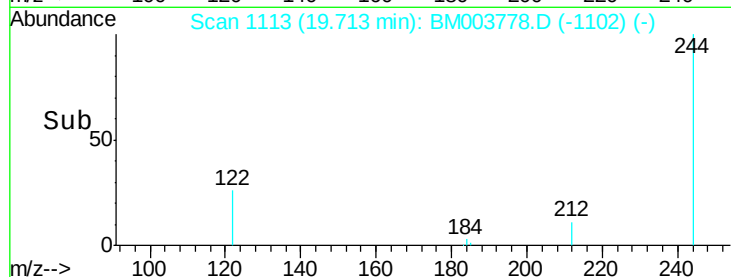
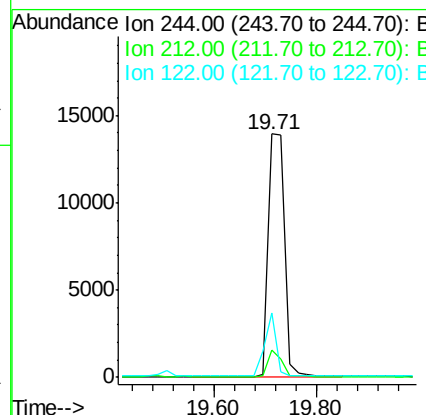
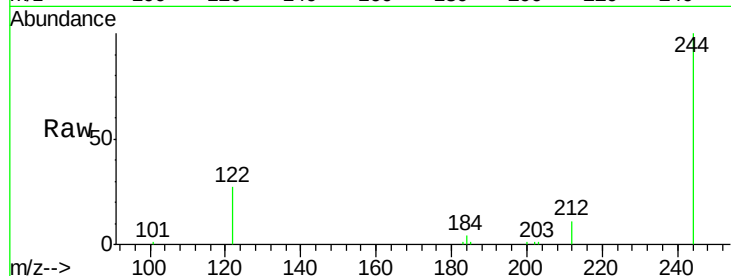
ClientSampleId :

SSTDCCC001EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 244   | Resp: | 29985 |
| Ion Ratio | Lower | Upper |       |
| 244       | 100   |       |       |
| 212       | 11.4  | 7.0   | 10.6# |
| 122       | 26.6  | 3.0   | 4.6#  |

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#30

Benzo(a)anthracene

Concen: 0.83 ng m

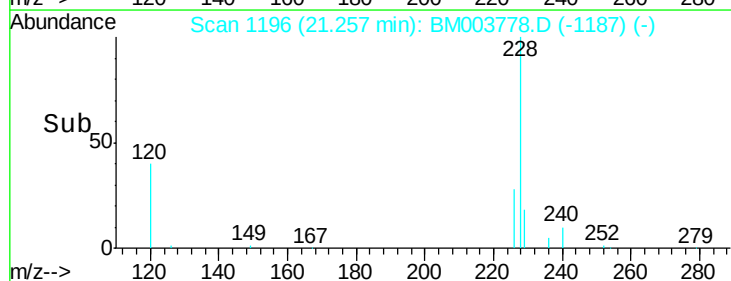
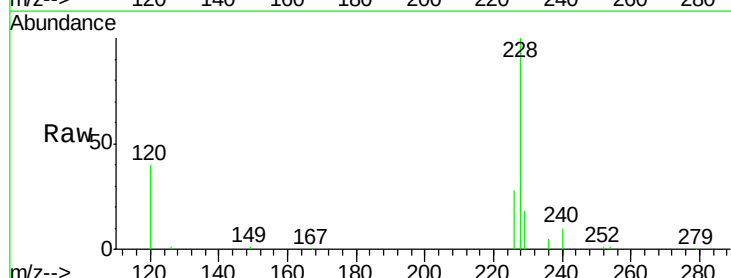
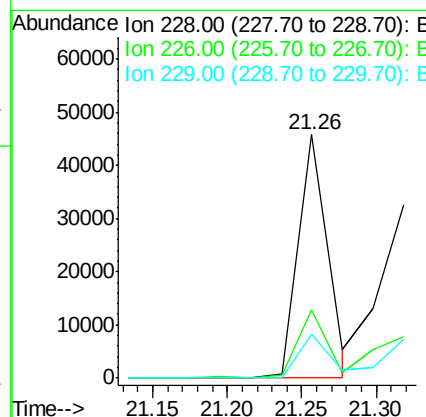
RT: 21.26 min Scan# 1196

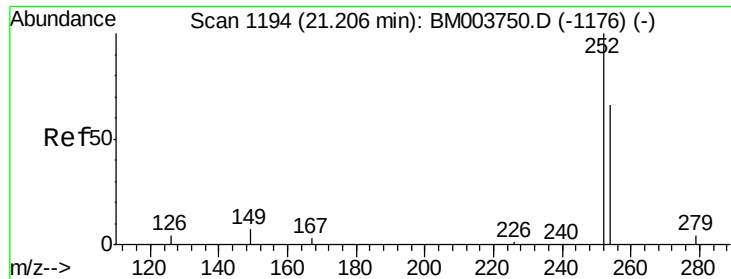
Delta R.T. -0.01 min

Lab File: BM003778.D

Acq: 24 Dec 2015 15:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 64149 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 28.2  | 17.2  | 25.8# |
| 229       | 18.3  | 18.7  | 28.1# |





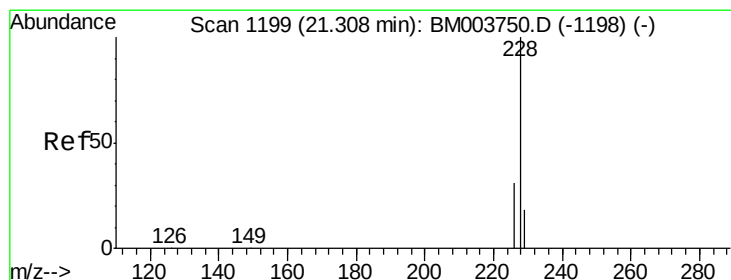
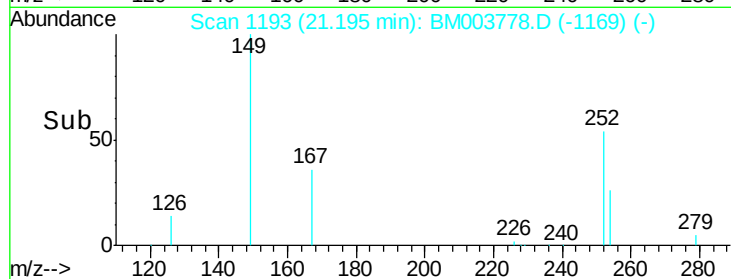
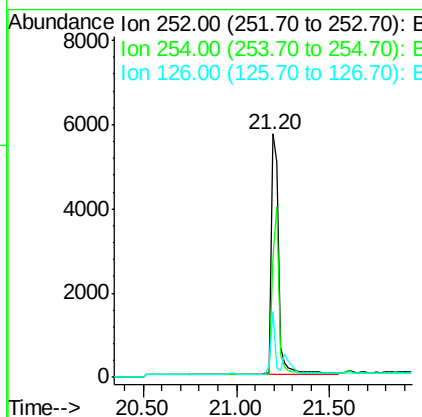
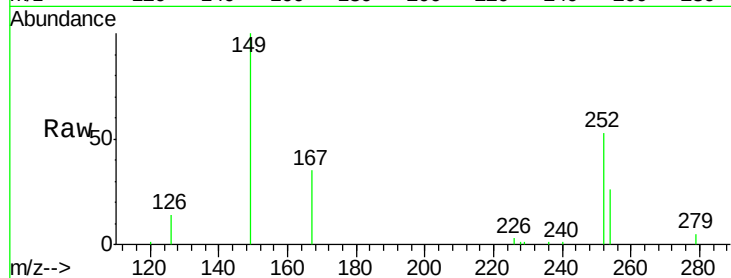
#31  
 3,3'-Dichlorobenzidine  
 Concen: 0.81 ng  
 RT: 21.20 min Scan# 1193  
 Delta R.T. -0.01 min  
 Lab File: BM003778.D  
 Acq: 24 Dec 2015 15:06

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC001EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 49.3  | 52.6  | 79.0# |
| 126     | 27.0  | 3.7   | 5.5#  |

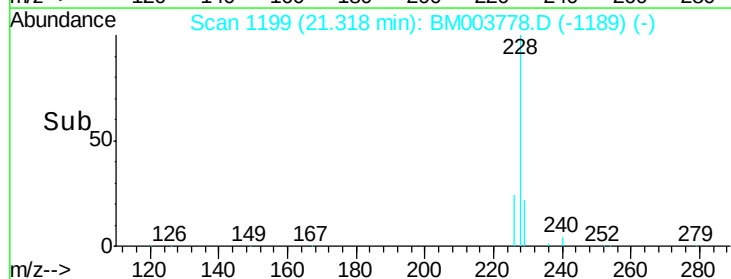
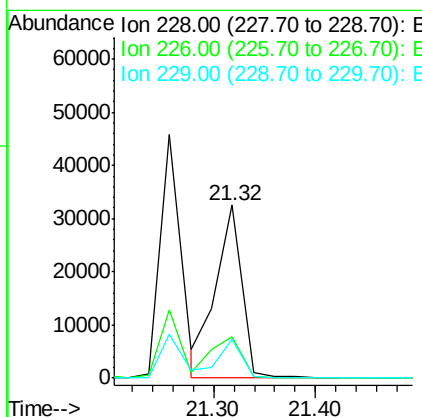
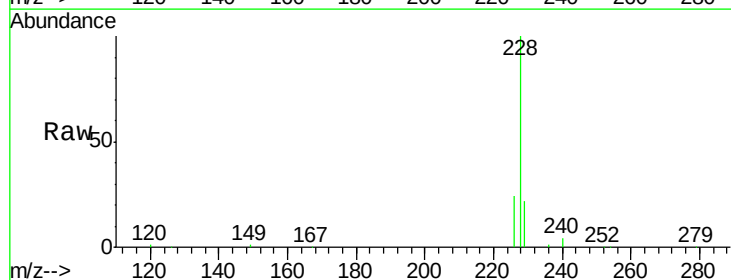
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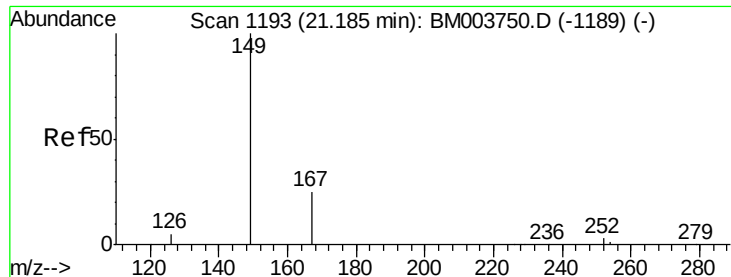
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#32  
 Chrysene  
 Concen: 0.72 ng m  
 RT: 21.32 min Scan# 1199  
 Delta R.T. 0.01 min  
 Lab File: BM003778.D  
 Acq: 24 Dec 2015 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 24.2  | 25.3  | 37.9# |
| 229     | 22.5  | 14.5  | 21.7# |





#33

Bis(2-ethylhexyl)phthalate

Concen: 0.64 ng

RT: 21.20 min Scan# 1193

Delta R.T. 0.01 min

Lab File: BM003778.D

Acq: 24 Dec 2015 15:06

Instrument :

BNA\_M

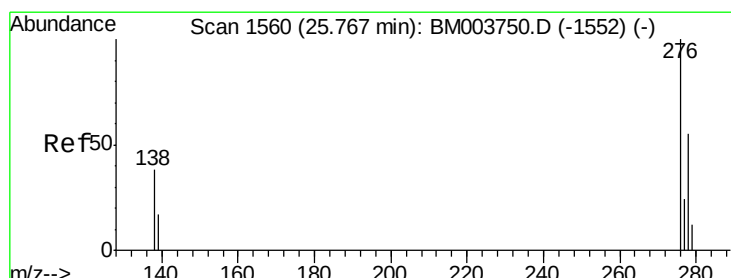
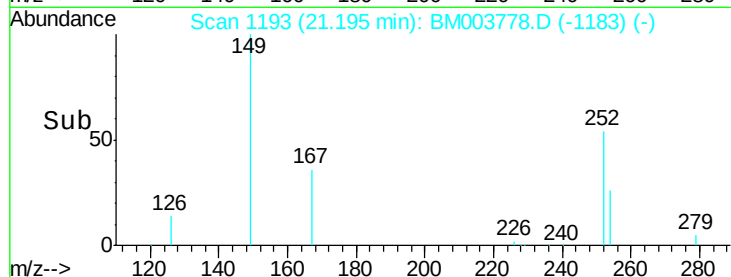
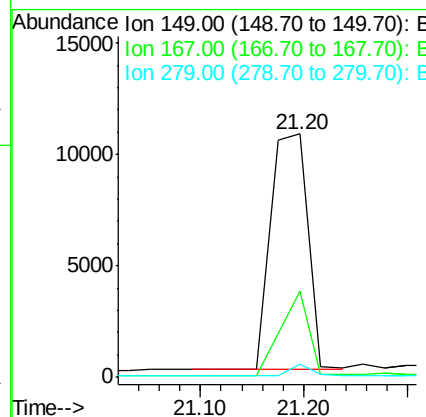
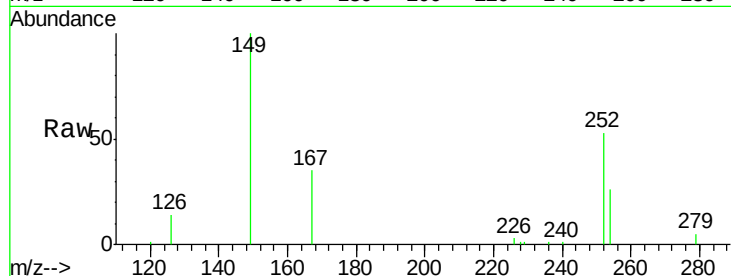
ClientSampleId :

SSTDCCC001EC

|           |      |       |       |
|-----------|------|-------|-------|
| Tot Ion:  | 149  | Resp: | 26027 |
| Ion Ratio |      | Lower | Upper |
| 149       | 100  |       |       |
| 167       | 27.1 | 20.1  | 30.1  |
| 279       | 2.9  | 0.0   | 0.0#  |

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#34

Indeno(1,2,3-cd)pyrene

Concen: 0.91 ng

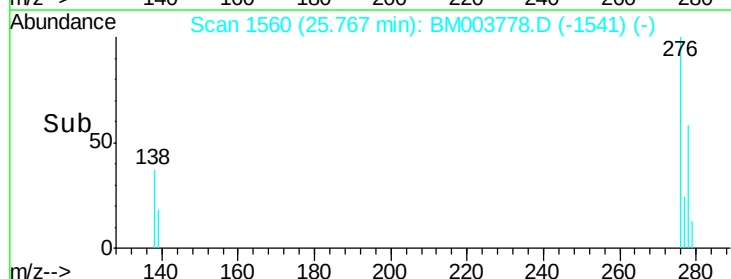
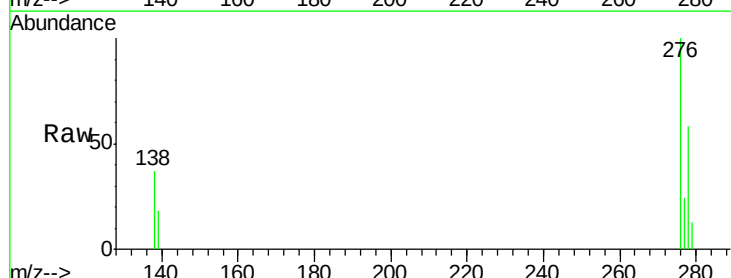
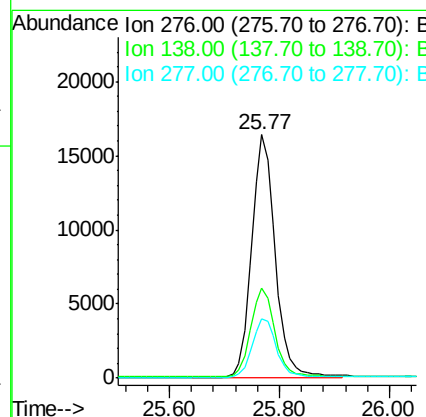
RT: 25.77 min Scan# 1560

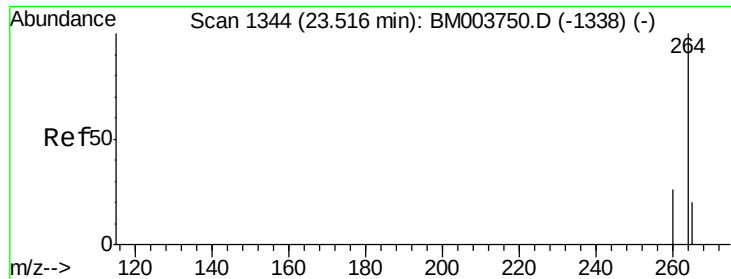
Delta R.T. 0.00 min

Lab File: BM003778.D

Acq: 24 Dec 2015 15:06

|           |      |       |       |
|-----------|------|-------|-------|
| Tgt Ion:  | 276  | Resp: | 49021 |
| Ion Ratio |      | Lower | Upper |
| 276       | 100  |       |       |
| 138       | 37.5 | 30.2  | 45.2  |
| 277       | 24.8 | 19.8  | 29.8  |





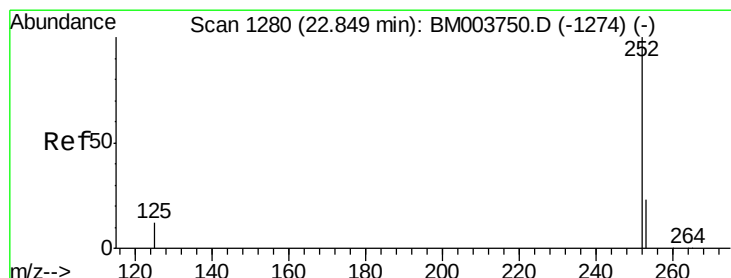
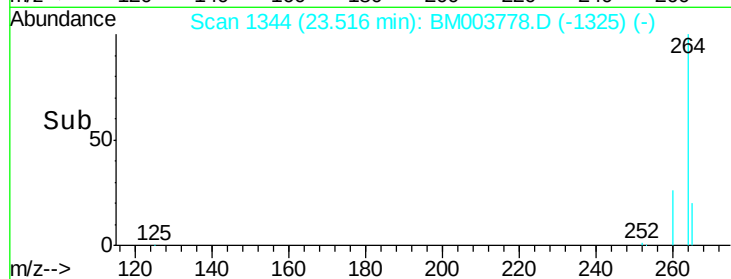
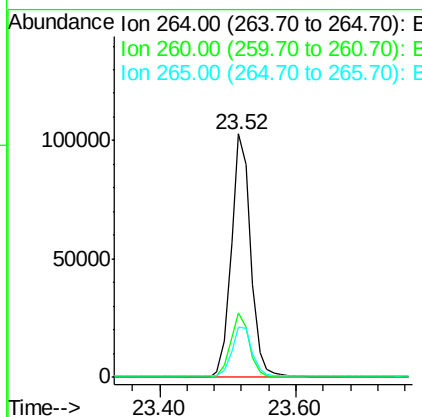
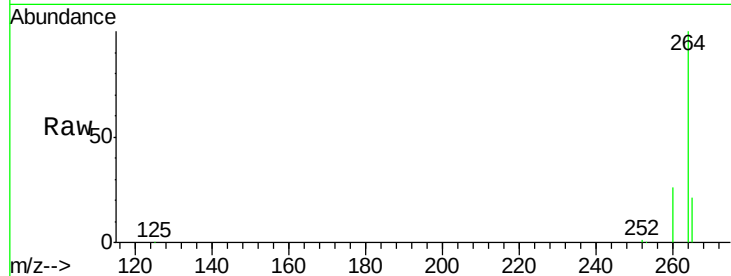
#35  
Pervlene-d12  
Concen: 5.00 ng  
RT: 23.52 min Scan# 1344  
Delta R.T. -0.00 min  
Lab File: BM003778.D  
Acq: 24 Dec 2015 15:06

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC001EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 26.3  | 21.2  | 31.8  |
| 265     | 20.8  | 16.7  | 25.1  |

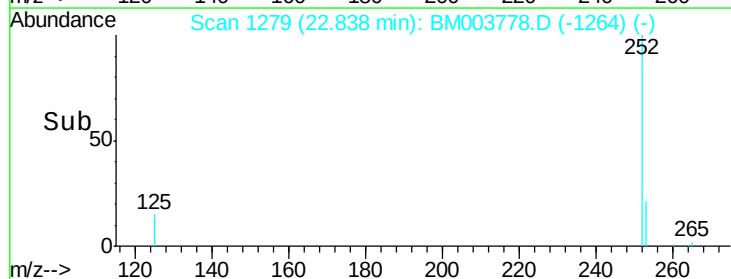
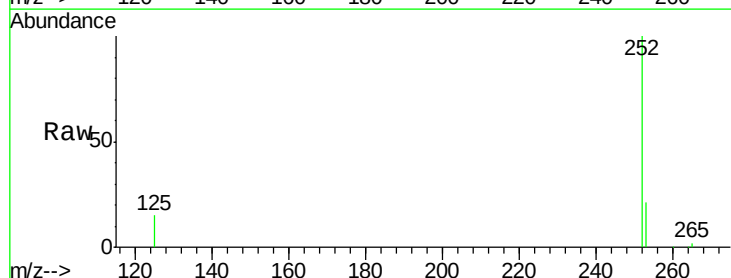
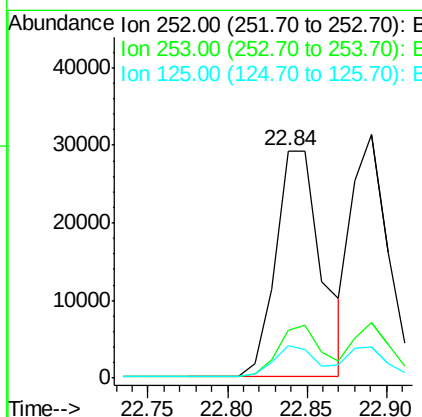
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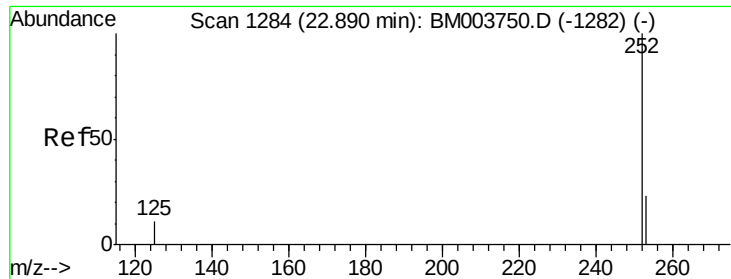
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#36  
Benzo(b)fluoranthene  
Concen: 0.88 ng  
RT: 22.84 min Scan# 1279  
Delta R.T. -0.01 min  
Lab File: BM003778.D  
Acq: 24 Dec 2015 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 20.8  | 18.8  | 28.2  |
| 125     | 14.5  | 10.2  | 15.4  |





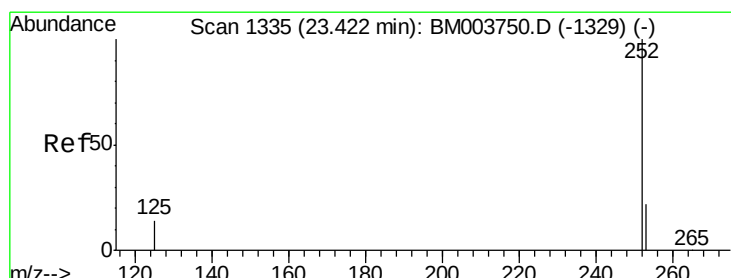
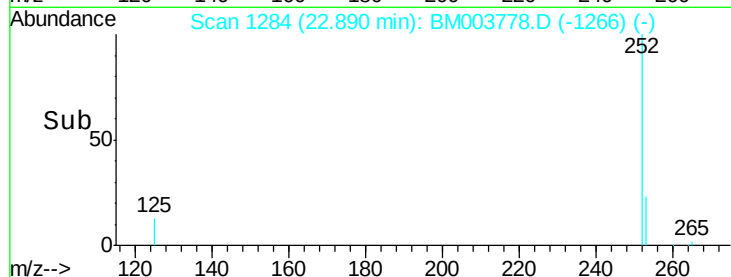
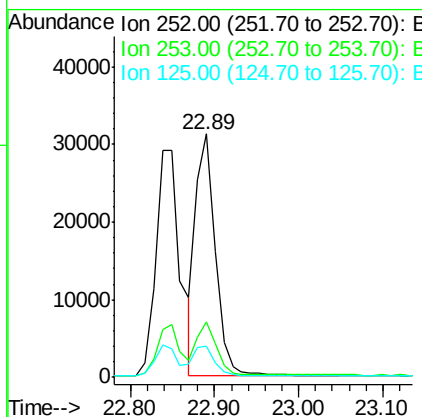
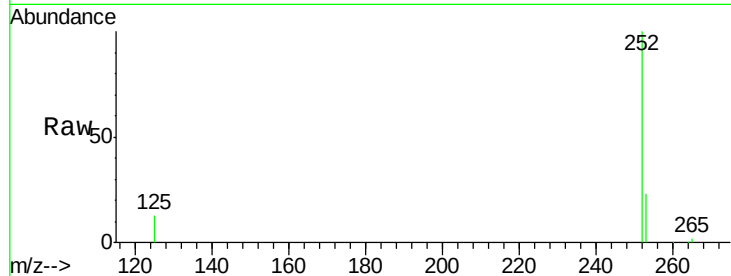
#37  
Benzo(k)fluoranthene  
Concen: 0.82 ng  
RT: 22.89 min Scan# 1284  
Delta R.T. -0.00 min  
Lab File: BM003778.D  
Acq: 24 Dec 2015 15:06

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC001EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.8  | 18.3  | 27.5  |
| 125     | 12.9  | 10.6  | 15.8  |

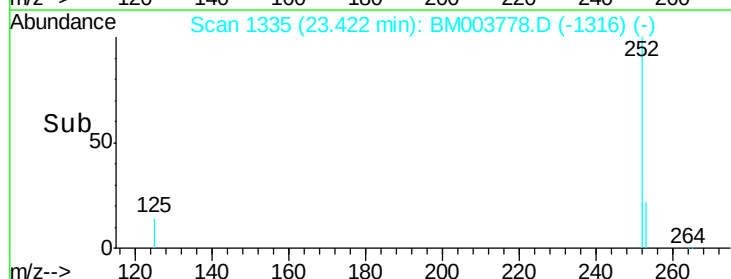
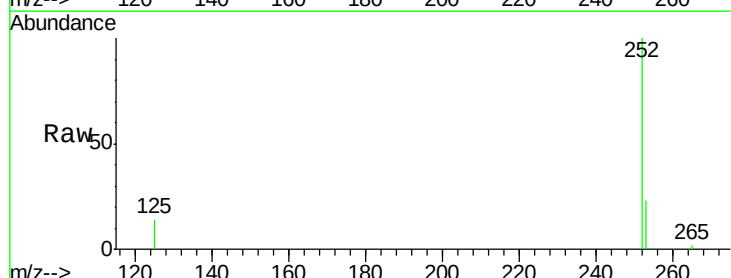
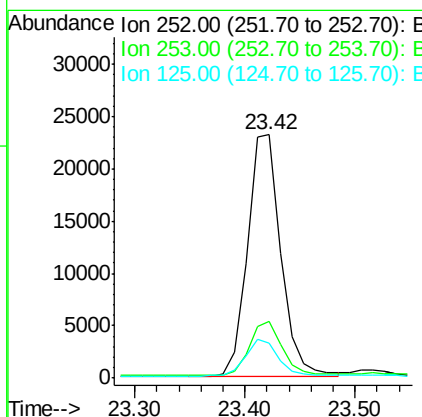
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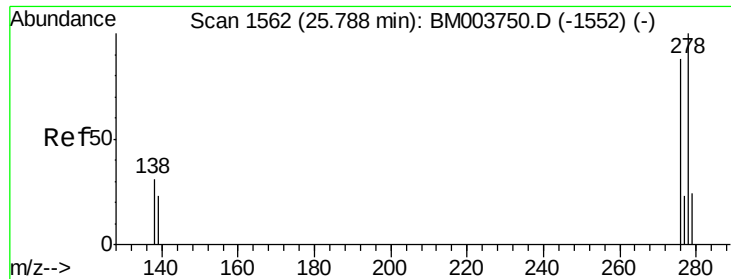
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#38  
Benzo(a)pyrene  
Concen: 0.85 ng  
RT: 23.42 min Scan# 1335  
Delta R.T. -0.00 min  
Lab File: BM003778.D  
Acq: 24 Dec 2015 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.5  | 18.7  | 28.1  |
| 125     | 14.3  | 11.8  | 17.8  |





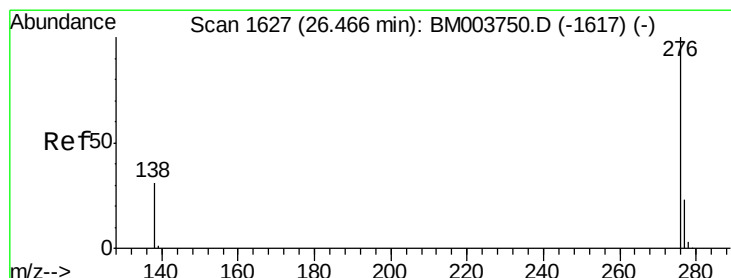
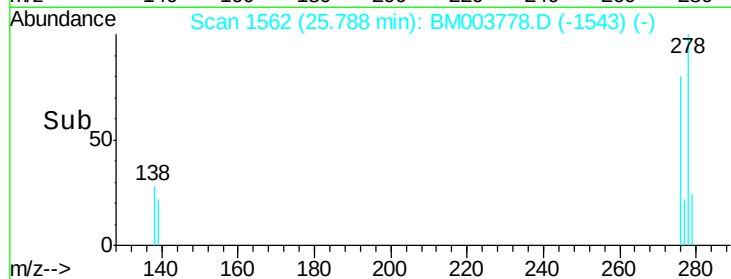
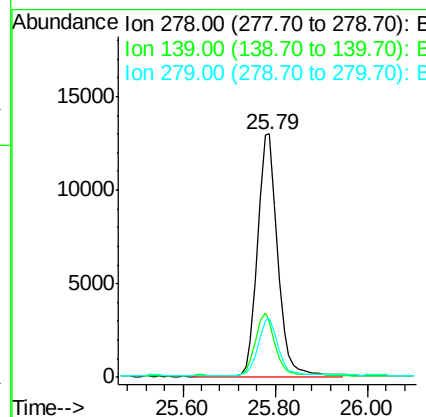
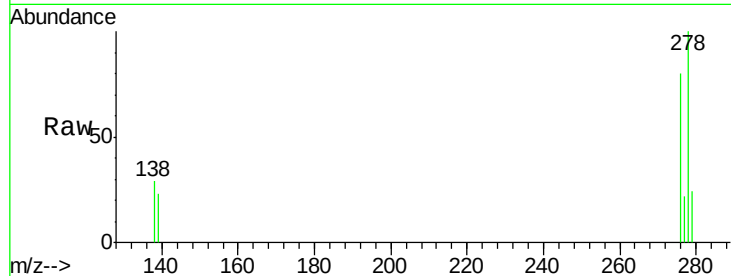
#39  
Dibenzo(a,h)anthracene  
Concen: 0.88 ng  
RT: 25.79 min Scan# 1562  
Delta R.T. -0.00 min  
Lab File: BM003778.D  
Acq: 24 Dec 2015 15:06

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC001EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 22.6  | 19.0  | 28.6  |
| 279     | 24.4  | 19.6  | 29.4  |

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#40  
Benzo(g,h,i)perylene  
Concen: 0.88 ng  
RT: 26.46 min Scan# 1626  
Delta R.T. -0.01 min  
Lab File: BM003778.D  
Acq: 24 Dec 2015 15:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.6  | 19.1  | 28.7  |
| 138     | 33.4  | 25.0  | 37.4  |

