

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM061215\  
 Data File : BM001660.D  
 Acq On : 12 Jun 2015 03:38  
 Operator : TP/IZ  
 Sample : SSTDCCC001  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC001

Manual Integrations  
 APPROVED

apatel  
 6/15/2015 12:41:47 PM

Quant Time: Jun 12 16:48:28 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SIM-BM061215.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 12 16:27:37 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.69  | 152  | 18709    | 5.00 | ng    | 0.00     |
| 6) Naphthalene-d8              | 10.47 | 136  | 69979    | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10           | 14.34 | 164  | 35709    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10           | 17.06 | 188  | 42837    | 5.00 | ng    | 0.00     |
| 25) Chrysene-d12               | 21.27 | 240  | 62999    | 5.00 | ng    | 0.00     |
| 32) Perylene-d12               | 23.50 | 264  | 46841    | 5.00 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |      |       |          |
| 4) 2-Fluorophenol              | 5.27  | 112  | 4176     | 0.94 | ng    | 0.00     |
| 5) Phenol-d6                   | 6.84  | 99   | 5269     | 0.95 | ng    | 0.00     |
| 7) Nitrobenzene-d5             | 8.85  | 82   | 4970     | 0.93 | ng    | 0.00     |
| 13) 2,4,6-Tribromophenol       | 15.83 | 330  | 1292     | 0.99 | ng    | 0.00     |
| 14) 2-Fluorobiphenyl           | 12.96 | 172  | 11902    | 0.95 | ng    | 0.00     |
| 27) Terphenyl-d14              | 19.71 | 244  | 9185     | 0.97 | ng    | -0.01    |
| Target Compounds               |       |      |          |      |       | Qvalue   |
| 2) 1,4-Dioxane                 | 3.21  | 88   | 2084     | 1.02 | ng    | 98       |
| 3) n-Nitrosodimethylamine      | 3.51  | 42   | 3307     | 1.01 | ng    | # 95     |
| 8) Nitrobenzene                | 8.89  | 77   | 5366     | 0.93 | ng    | 100      |
| 9) Naphthalene                 | 10.52 | 128  | 15988    | 0.94 | ng    | 100      |
| 10) Hexachlorobutadiene        | 10.80 | 225  | 2687     | 0.95 | ng    | 100      |
| 11) 2-Methylnaphthalene        | 12.15 | 142  | 10536    | 0.96 | ng    | 99       |
| 15) Acenaphthylene             | 14.05 | 152  | 15967    | 0.96 | ng    | 100      |
| 16) Acenaphthene               | 14.40 | 154  | 9971     | 0.94 | ng    | 100      |
| 17) Fluorene                   | 15.36 | 166  | 10981    | 1.01 | ng    | 99       |
| 19) 4-Bromophenyl-phenylether  | 16.27 | 248  | 4155     | 0.97 | ng    | # 94     |
| 20) Hexachlorobenzene          | 16.38 | 284  | 4268     | 1.09 | ng    | 93       |
| 21) Pentachlorophenol          | 16.72 | 266  | 1123     | 0.99 | ng    | 99       |
| 22) Phenanthrene               | 17.12 | 178  | 12322m   | 0.88 | ng    |          |
| 23) Anthracene                 | 17.19 | 178  | 17619m   | 1.06 | ng    |          |
| 24) Fluoranthene               | 19.14 | 202  | 20224    | 0.97 | ng    | 99       |
| 26) Pyrene                     | 19.50 | 202  | 21055    | 0.97 | ng    | 100      |
| 28) Benzo(a)anthracene         | 21.25 | 228  | 17369    | 0.88 | ng    | 97       |
| 29) Chrysene                   | 21.30 | 228  | 18630    | 0.98 | ng    | 96       |
| 30) Bis(2-ethylhexyl)phthalate | 21.18 | 149  | 11369    | 0.99 | ng    | 99       |
| 31) Indeno(1,2,3-cd)pyrene     | 25.75 | 276  | 12207    | 0.82 | ng    | 99       |
| 33) Benzo(b)fluoranthene       | 22.82 | 252  | 14809    | 0.97 | ng    | 98       |
| 34) Benzo(k)fluoranthene       | 22.87 | 252  | 13940    | 0.94 | ng    | 98       |
| 35) Benzo(a)pyrene             | 23.40 | 252  | 11816    | 0.93 | ng    | 97       |
| 36) Dibenzo(a,h)anthracene     | 25.77 | 278  | 9420     | 0.88 | ng    | 99       |
| 37) Benzo(g,h,i)perylene       | 26.44 | 276  | 10583    | 0.99 | ng    | 99       |

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

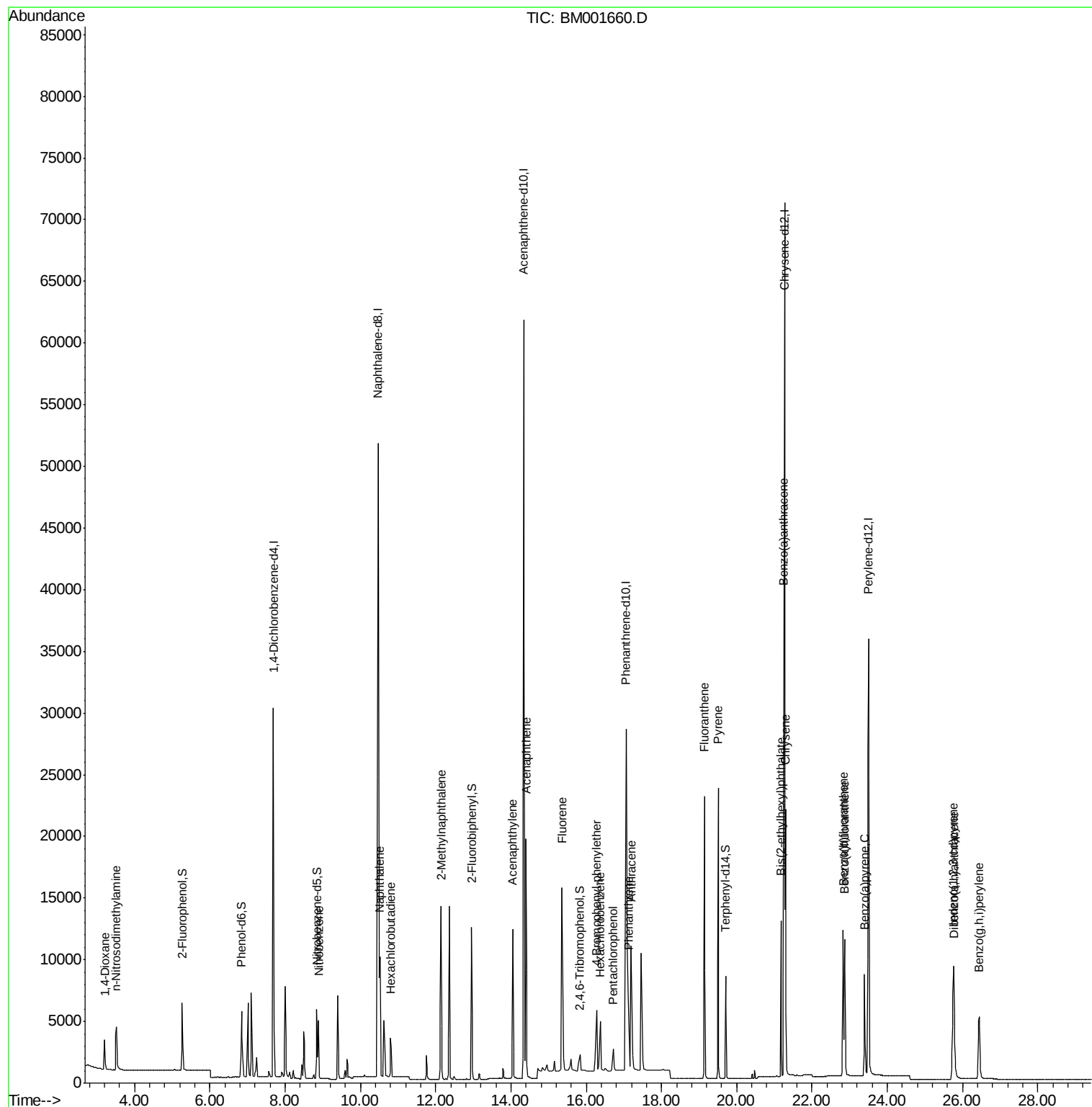
Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM061215\  
Data File : BM001660.D  
Acq On : 12 Jun 2015 03:38  
Operator : TP/IZ  
Sample : SSTDCCC001  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

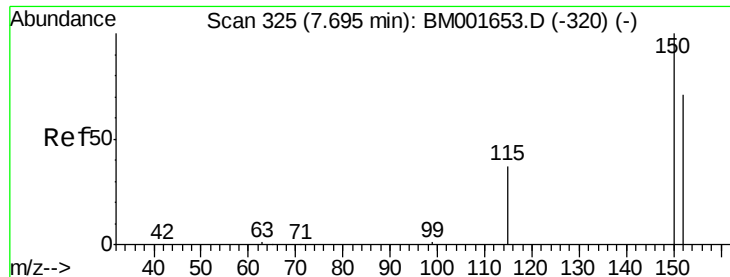
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC001

Manual Integrations  
APPROVED

apatel  
6/15/2015 12:41:47 PM

Quant Time: Jun 12 16:48:28 2015  
Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SIM-BM061215.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 12 16:27:37 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.69 min Scan# 325

Delta R.T. 0.00 min

Lab File: BM001660.D

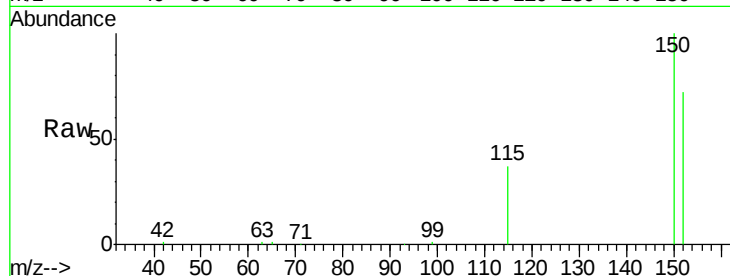
Acq: 12 Jun 2015 03:38

Instrument :

BNA\_M

ClientSampleId :

SSTDCCC001



Tgt Ion:152 Resp: 18709

Ion Ratio Lower Upper

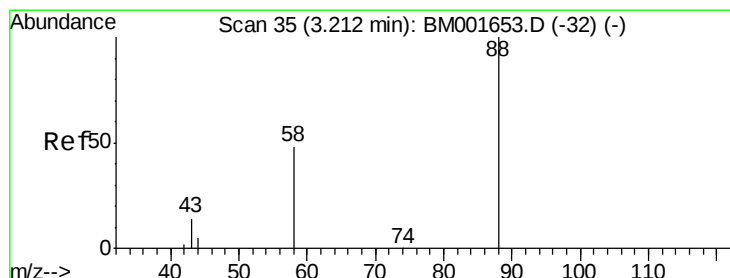
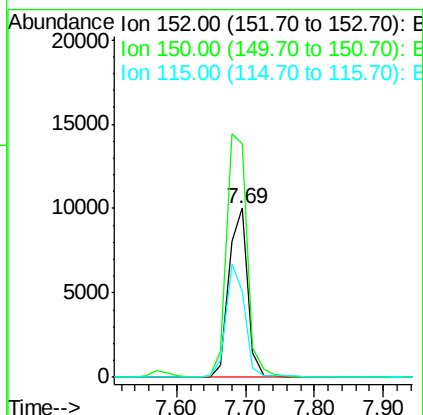
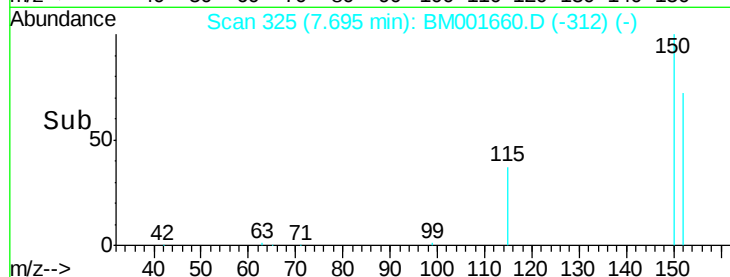
152 100

150 138.3 112.2 168.2

115 50.9 41.7 62.5

Manual Integrations  
APPROVED

apatel  
6/15/2015 12:41:47 PM



#2

1,4-Dioxane

Concen: 1.02 ng

RT: 3.21 min Scan# 35

Delta R.T. 0.00 min

Lab File: BM001660.D

Acq: 12 Jun 2015 03:38

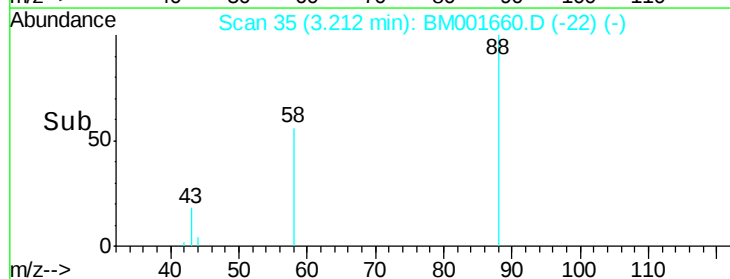
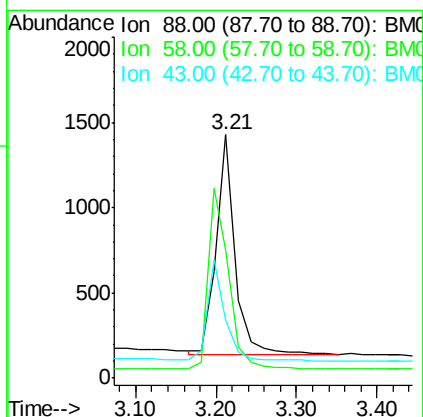
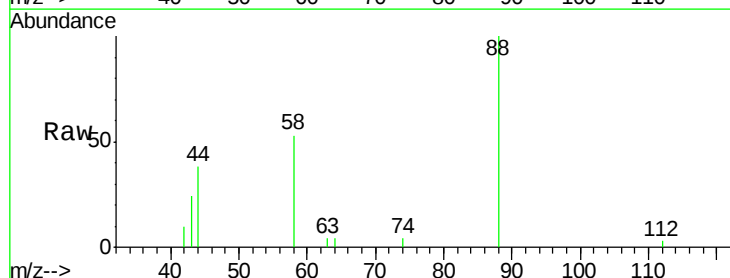
Tgt Ion: 88 Resp: 2084

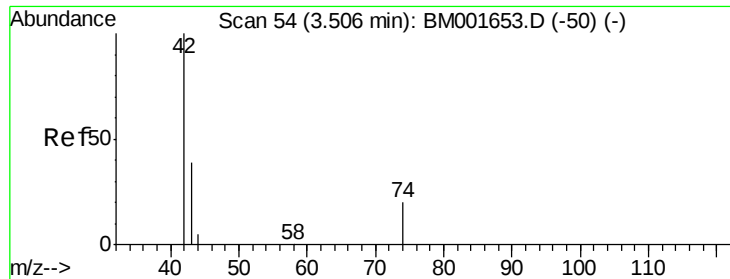
Ion Ratio Lower Upper

88 100

58 88.5 70.5 105.7

43 44.8 33.3 49.9





#3

n-Nitrosodimethylamine

Concen: 1.01 ng

RT: 3.51 min Scan# 54

Delta R.T. 0.00 min

Lab File: BM001660.D

Acq: 12 Jun 2015 03:38

Instrument :

BNA\_M

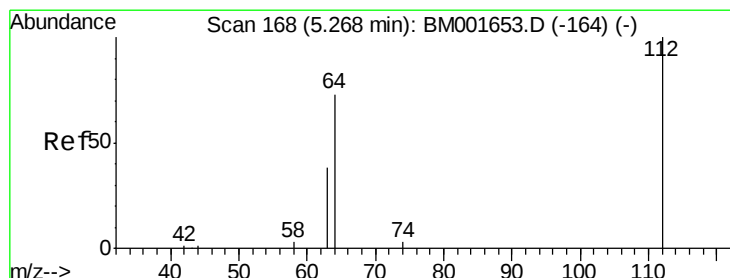
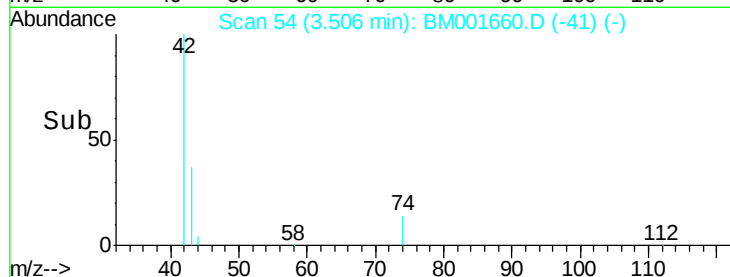
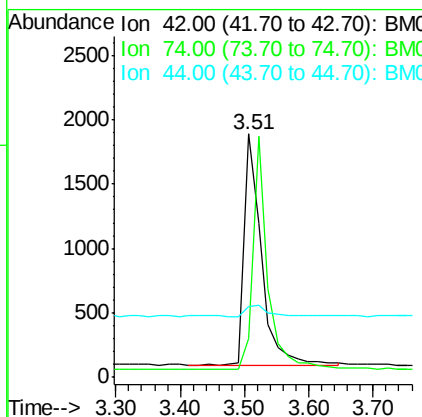
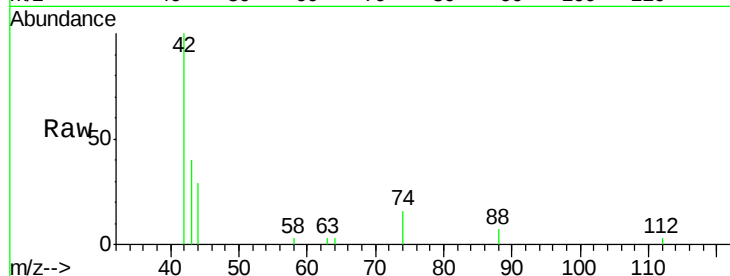
ClientSampleId :

SSTDCCC001

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 3307  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 89.6  | 75.7  | 113.5 |
| 44       | 5.8   | 6.7   | 10.1# |

Manual Integrations  
APPROVED

apatel  
6/15/2015 12:41:47 PM



#4

2-Fluorophenol

Concen: 0.94 ng

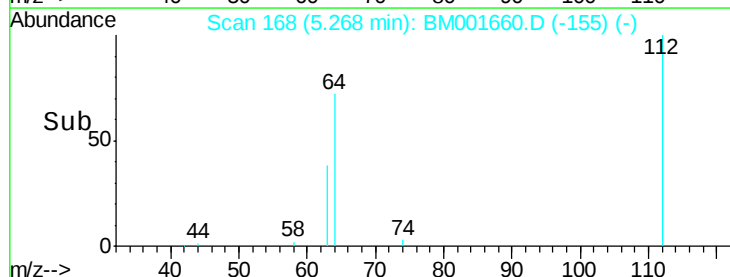
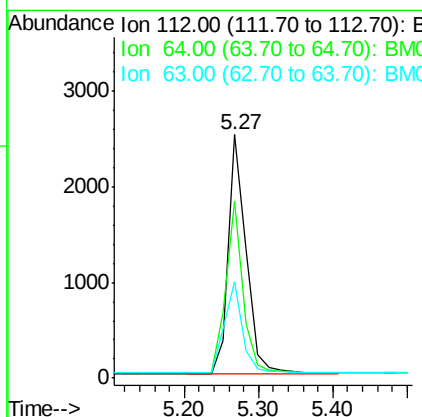
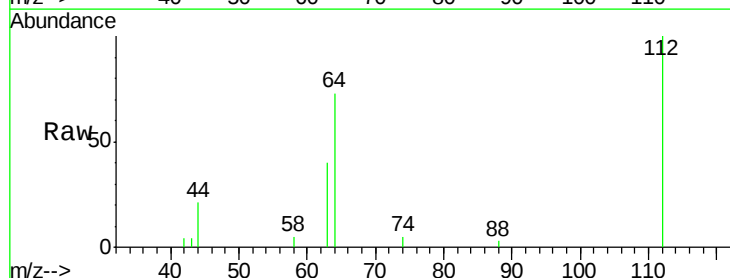
RT: 5.27 min Scan# 168

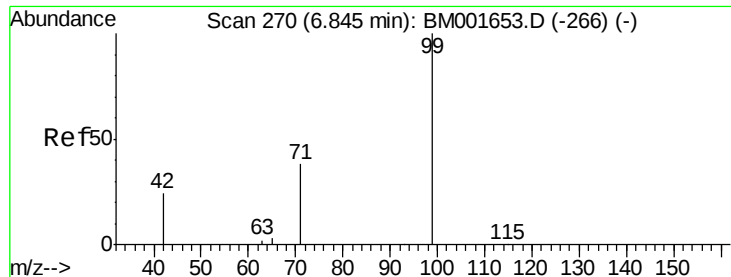
Delta R.T. 0.00 min

Lab File: BM001660.D

Acq: 12 Jun 2015 03:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 4176  |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 70.0  | 55.5  | 83.3  |
| 63       | 39.0  | 29.9  | 44.9  |





#5

Phenol-d6

Concen: 0.95 ng

RT: 6.84 min Scan# 270

Delta R.T. 0.00 min

Lab File: BM001660.D

Acq: 12 Jun 2015 03:38

Instrument :

BNA\_M

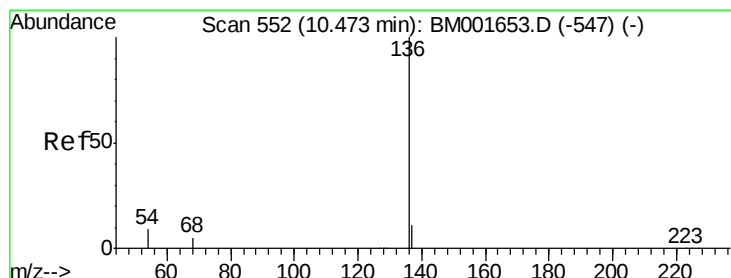
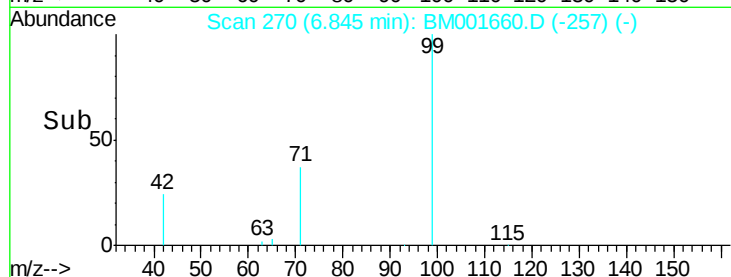
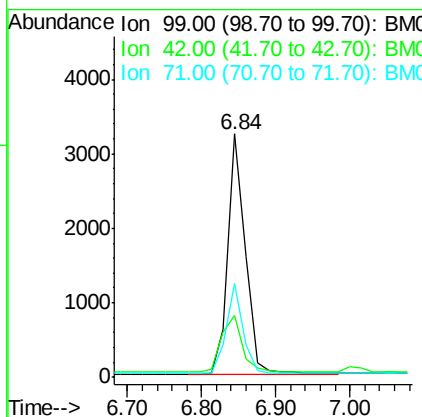
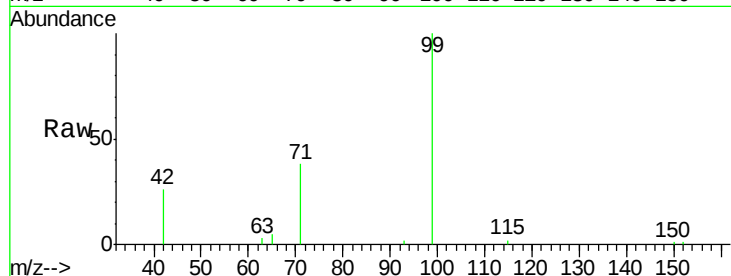
ClientSampleId :

SSTDCCC001

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 5269  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 27.6  | 21.6  | 32.4  |
| 71       | 36.3  | 28.7  | 43.1  |

Manual Integrations  
APPROVED

apatel  
6/15/2015 12:41:47 PM



#6

Naphthalene-d8

Concen: 5.00 ng

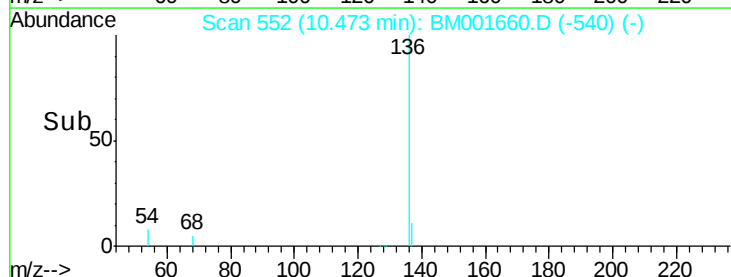
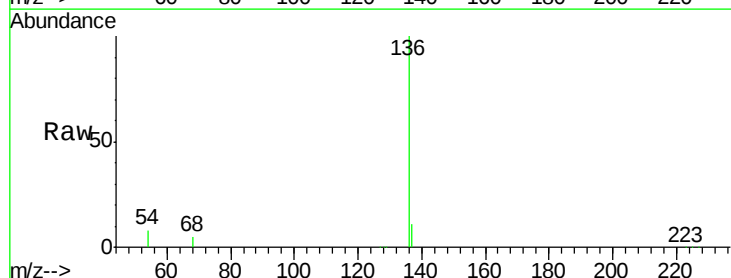
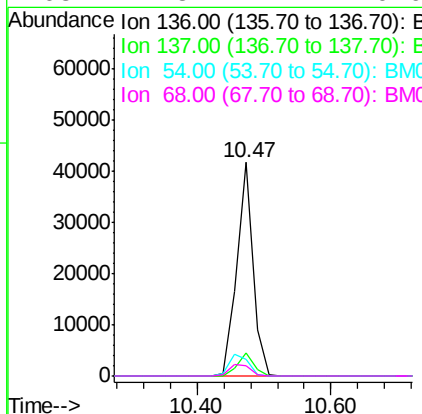
RT: 10.47 min Scan# 552

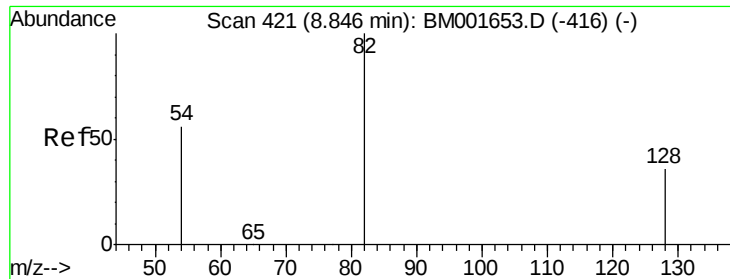
Delta R.T. 0.00 min

Lab File: BM001660.D

Acq: 12 Jun 2015 03:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 69979 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.1  | 8.7   | 13.1  |
| 54       | 7.6   | 6.9   | 10.3  |
| 68       | 4.8   | 4.4   | 6.6   |





#7

Nitrobenzene-d5

Concen: 0.93 ng

RT: 8.85 min Scan# 421

Delta R.T. 0.00 min

Lab File: BM001660.D

Acq: 12 Jun 2015 03:38

Instrument :

BNA\_M

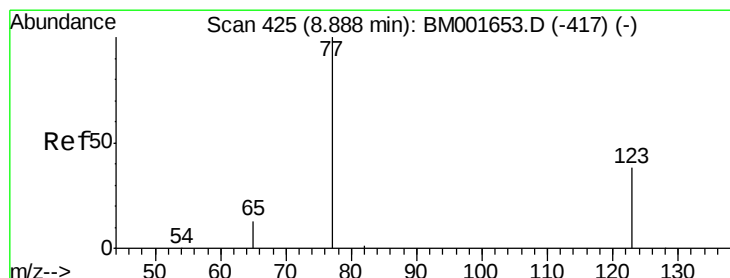
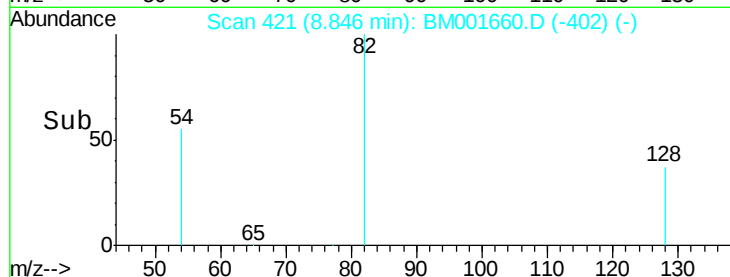
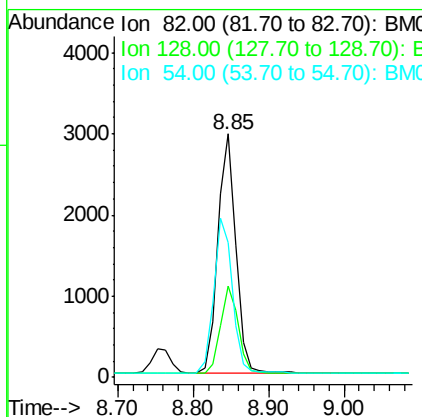
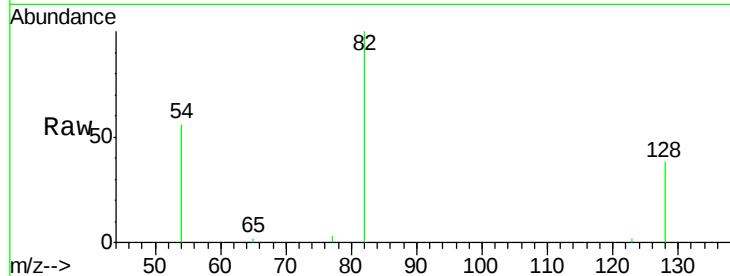
ClientSampleId :

SSTDCCC001

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 4970  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 37.7  | 29.7  | 44.5  |
| 54       | 55.5  | 45.1  | 67.7  |

Manual Integrations  
APPROVED

apatel  
6/15/2015 12:41:47 PM



#8

Nitrobenzene

Concen: 0.93 ng

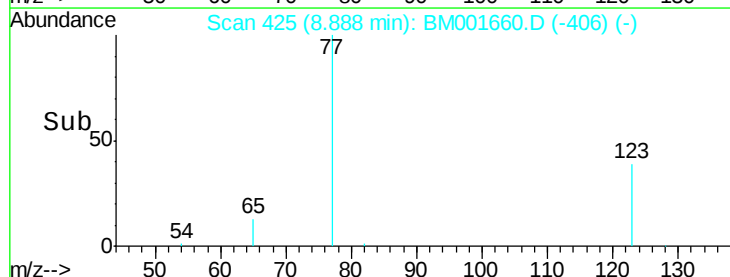
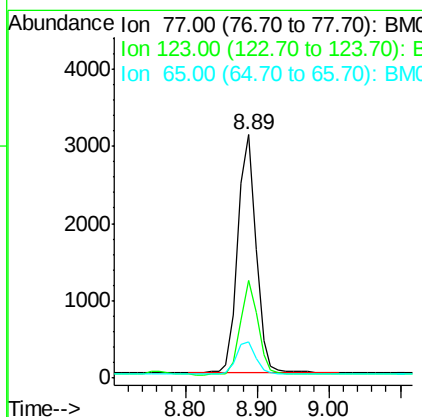
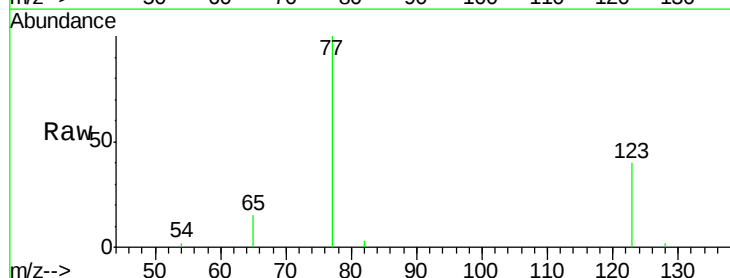
RT: 8.89 min Scan# 425

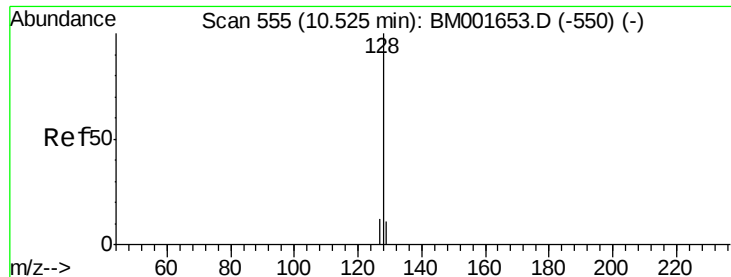
Delta R.T. 0.00 min

Lab File: BM001660.D

Acq: 12 Jun 2015 03:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 77    | Resp: | 5366  |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 123      | 38.0  | 30.3  | 45.5  |
| 65       | 14.5  | 11.2  | 16.8  |





#9

Naphthalene

Concen: 0.94 ng

RT: 10.52 min Scan# 555

Delta R.T. 0.00 min

Lab File: BM001660.D

Acq: 12 Jun 2015 03:38

Instrument :

BNA\_M

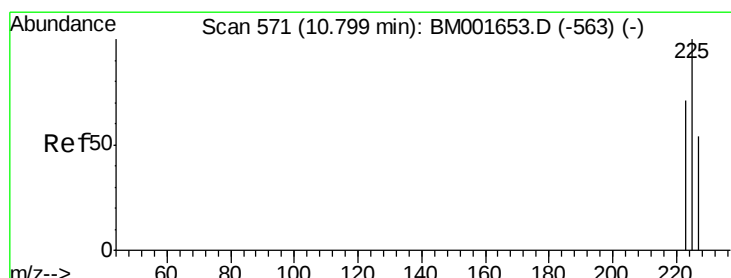
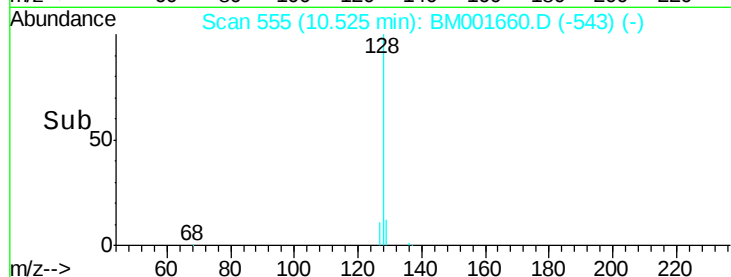
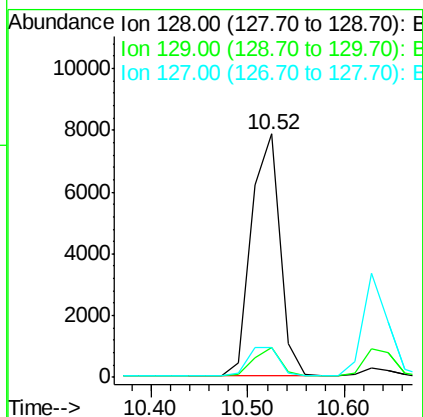
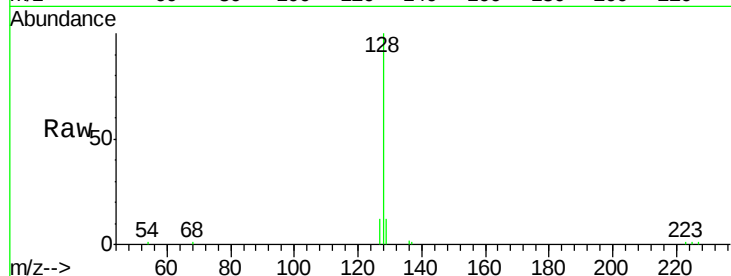
ClientSampleId :

SSTDCCC001

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 15988 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 12.1  | 9.4   | 14.2  |
| 127       | 12.0  | 9.7   | 14.5  |

Manual Integrations  
APPROVED

apatel  
6/15/2015 12:41:47 PM



#10

Hexachlorobutadiene

Concen: 0.95 ng

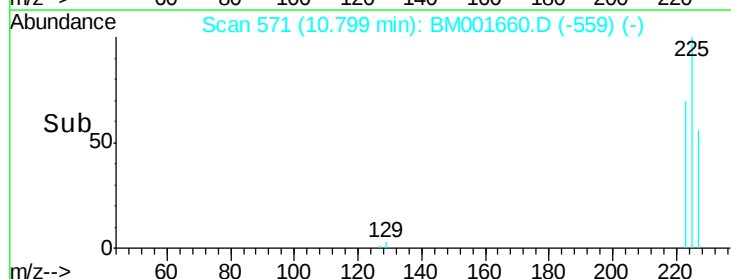
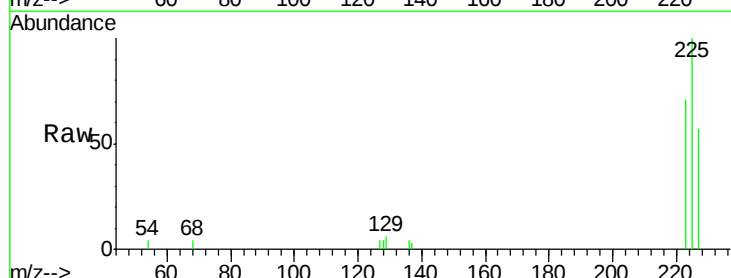
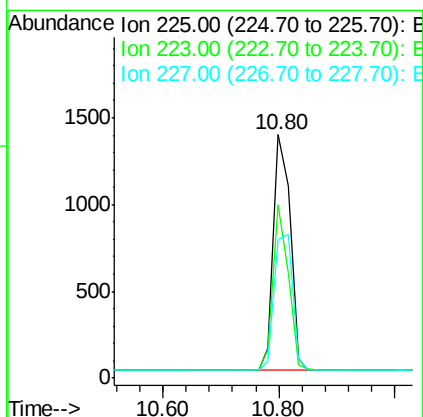
RT: 10.80 min Scan# 571

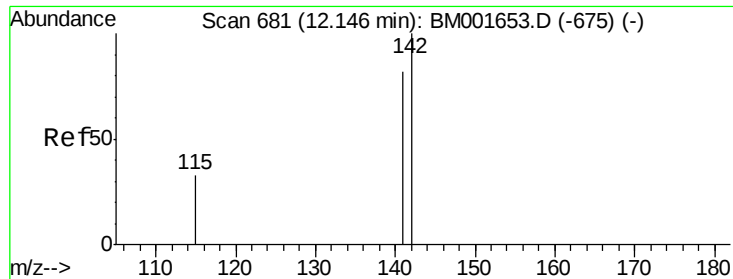
Delta R.T. 0.00 min

Lab File: BM001660.D

Acq: 12 Jun 2015 03:38

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 2687 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 63.8  | 51.0  | 76.4 |
| 227       | 63.6  | 51.2  | 76.8 |





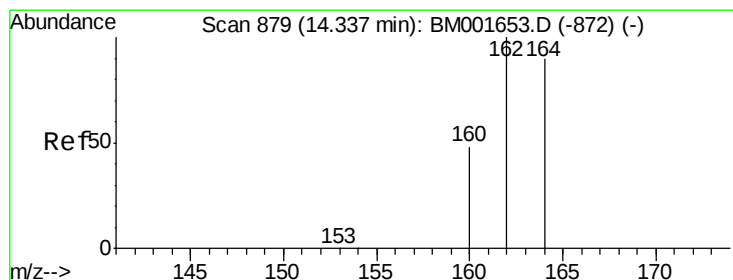
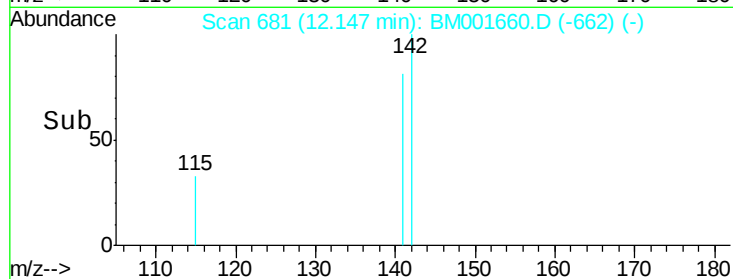
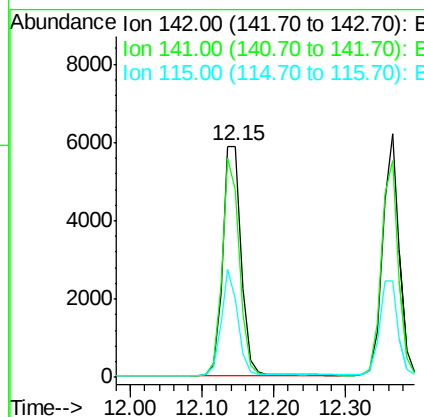
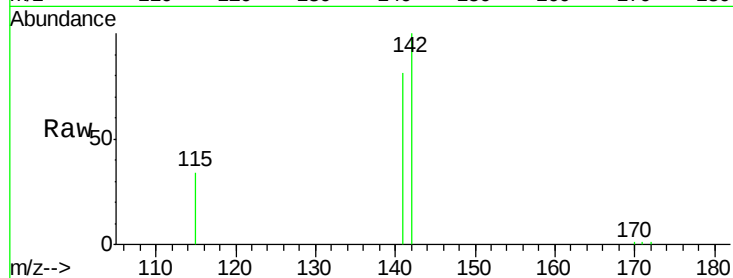
#11  
2-Methylnaphthalene  
Concen: 0.96 ng  
RT: 12.15 min Scan# 681  
Delta R.T. 0.00 min  
Lab File: BM001660.D  
Acq: 12 Jun 2015 03:38

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC001

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 81.0  | 65.8  | 98.6  |
| 115     | 33.8  | 27.0  | 40.6  |

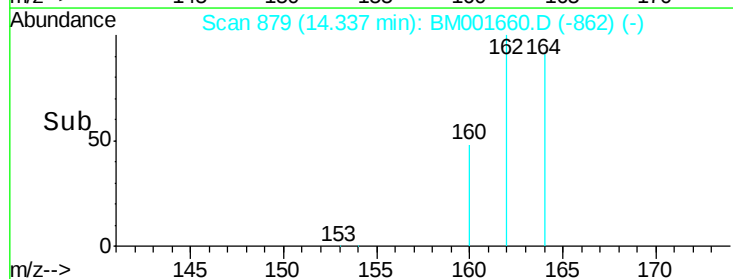
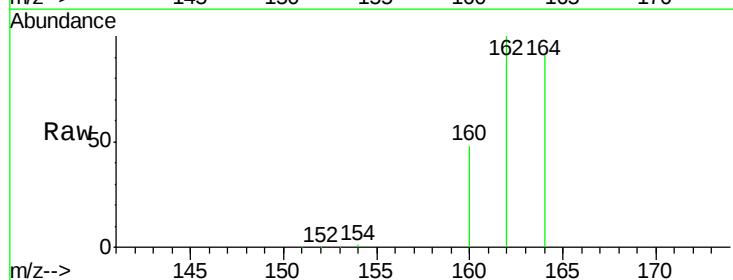
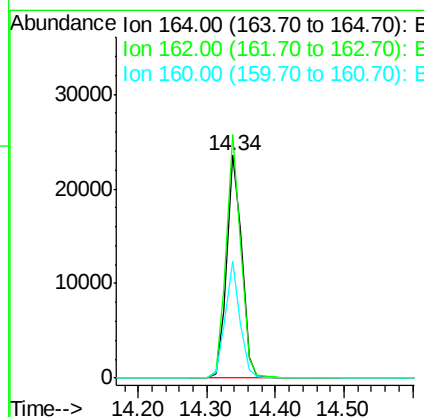
Manual Integrations  
APPROVED

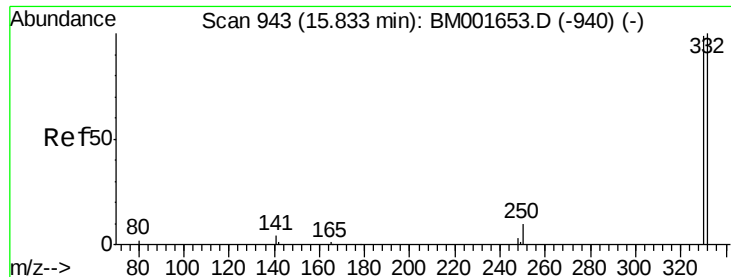
apatel  
6/15/2015 12:41:47 PM



#12  
Acenaphthene-d10  
Concen: 5.00 ng  
RT: 14.34 min Scan# 879  
Delta R.T. 0.00 min  
Lab File: BM001660.D  
Acq: 12 Jun 2015 03:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 109.4 | 89.0  | 133.4 |
| 160     | 52.2  | 42.6  | 63.8  |





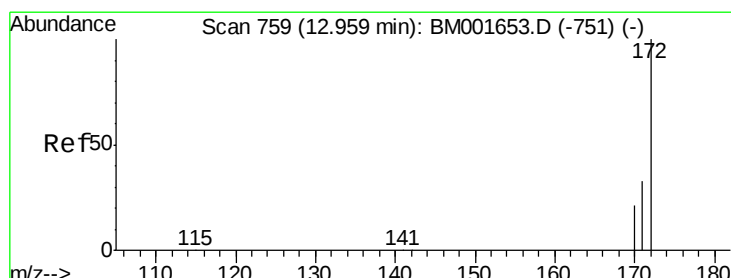
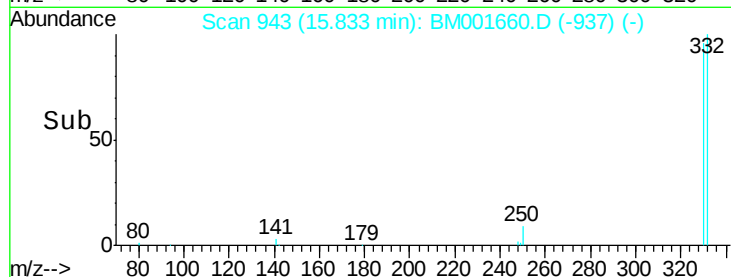
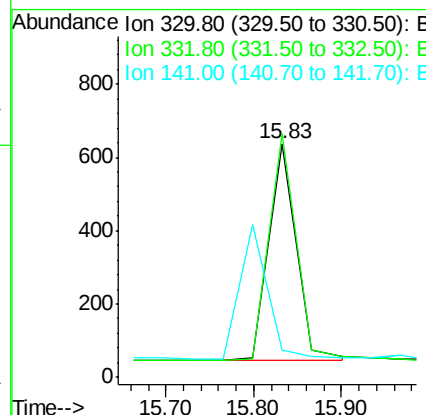
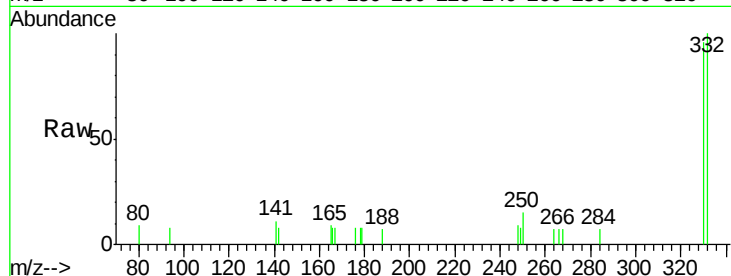
#13  
 2,4,6-Tribromophenol  
 Concen: 0.99 ng  
 RT: 15.83 min Scan# 943  
 Delta R.T. 0.00 min  
 Lab File: BM001660.D  
 Acq: 12 Jun 2015 03:38

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC001

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 104.6 | 80.6  | 120.8 |
| 141     | 0.0   | 0.0   | 0.0   |

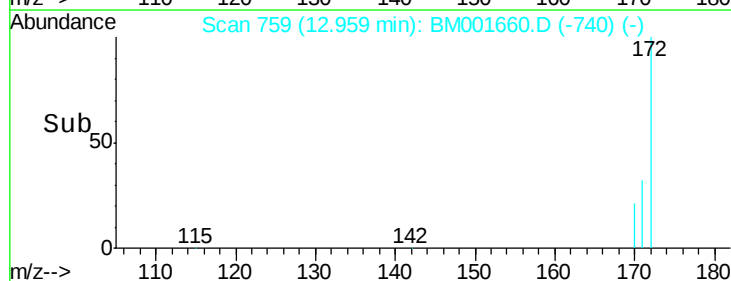
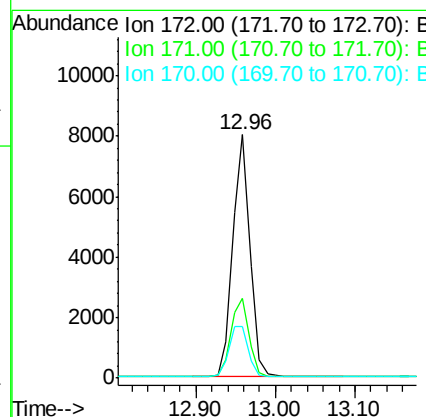
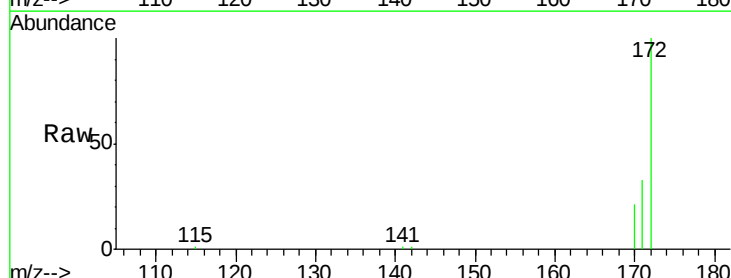
Manual Integrations  
 APPROVED

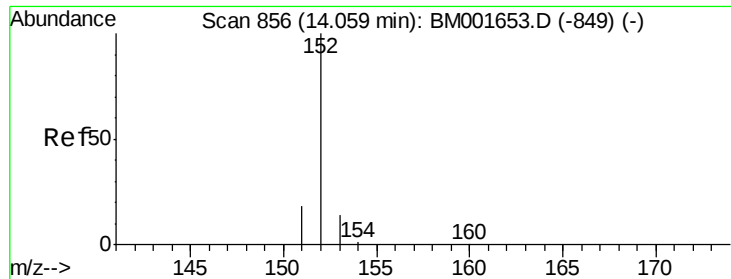
apatel  
 6/15/2015 12:41:47 PM



#14  
 2-Fluorobiphenyl  
 Concen: 0.95 ng  
 RT: 12.96 min Scan# 759  
 Delta R.T. 0.00 min  
 Lab File: BM001660.D  
 Acq: 12 Jun 2015 03:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 33.0  | 26.6  | 40.0  |
| 170     | 21.1  | 17.1  | 25.7  |





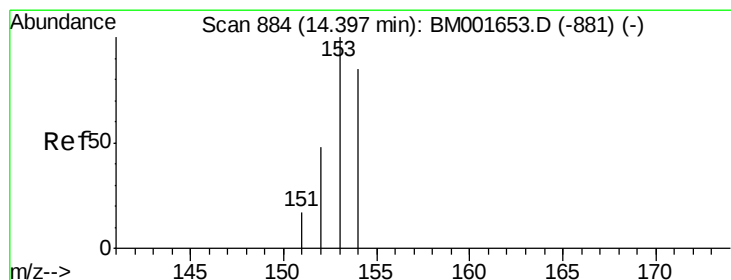
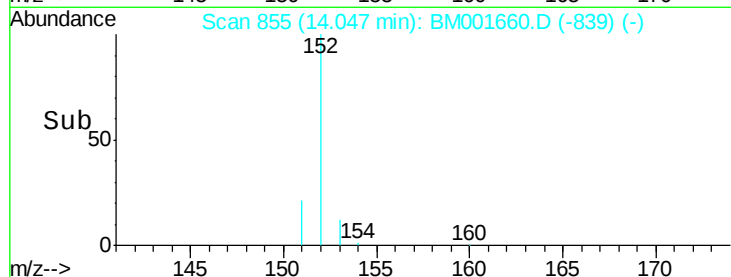
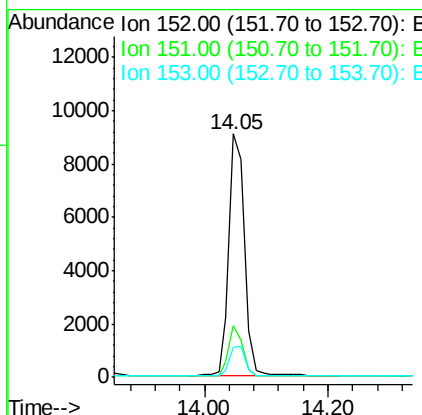
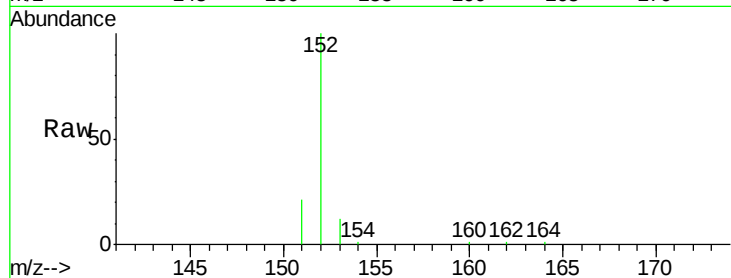
#15  
Acenaphthylene  
Concen: 0.96 ng  
RT: 14.05 min Scan# 855  
Delta R.T. -0.01 min  
Lab File: BM001660.D  
Acq: 12 Jun 2015 03:38

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC001

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.3  | 15.5  | 23.3  |
| 153     | 12.8  | 10.2  | 15.4  |

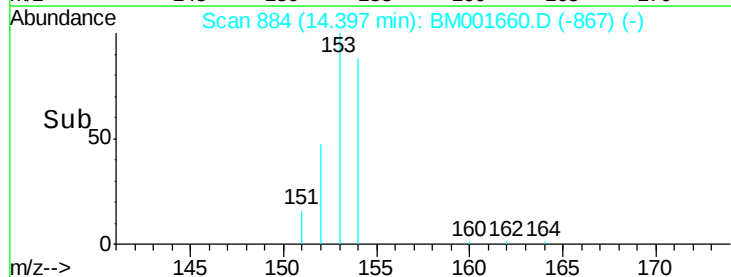
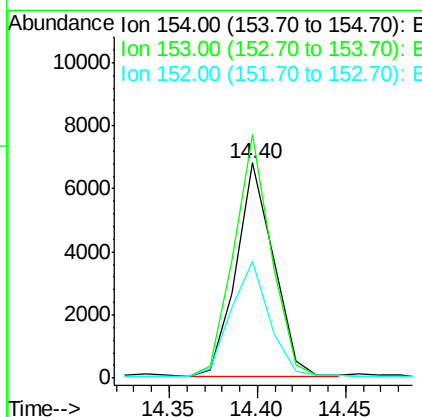
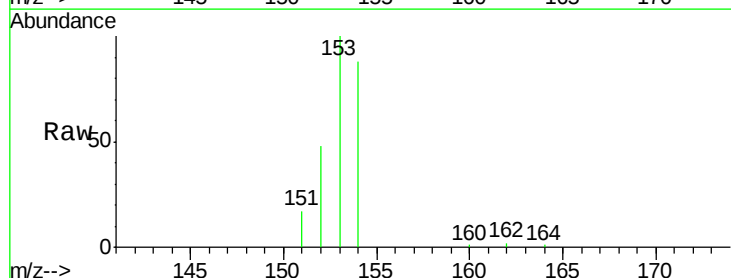
Manual Integrations  
APPROVED

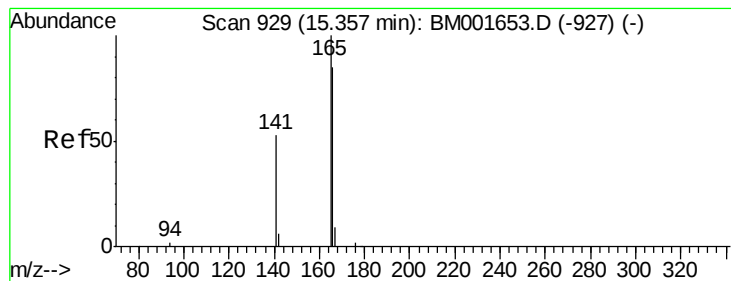
apatel  
6/15/2015 12:41:47 PM



#16  
Acenaphthene  
Concen: 0.94 ng  
RT: 14.40 min Scan# 884  
Delta R.T. 0.00 min  
Lab File: BM001660.D  
Acq: 12 Jun 2015 03:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 113.9 | 91.0  | 136.6 |
| 152     | 55.5  | 43.8  | 65.8  |





#17

Fluorene

Concen: 1.01 ng

RT: 15.36 min Scan# 929

Delta R.T. 0.00 min

Lab File: BM001660.D

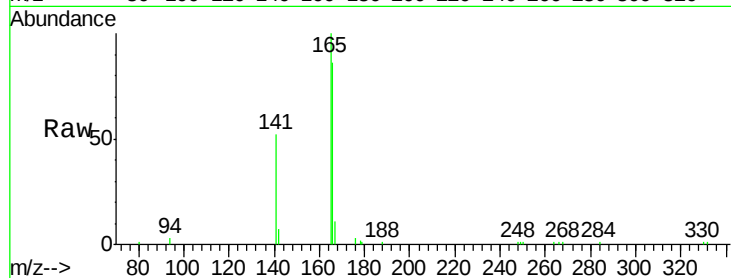
Acq: 12 Jun 2015 03:38

Instrument :

BNA\_M

ClientSampleId :

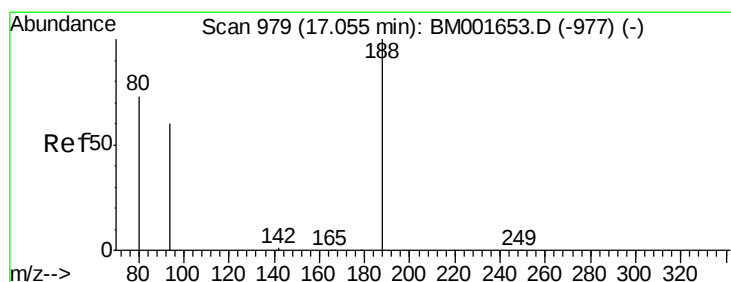
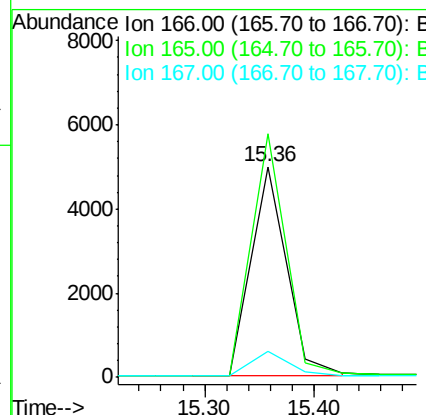
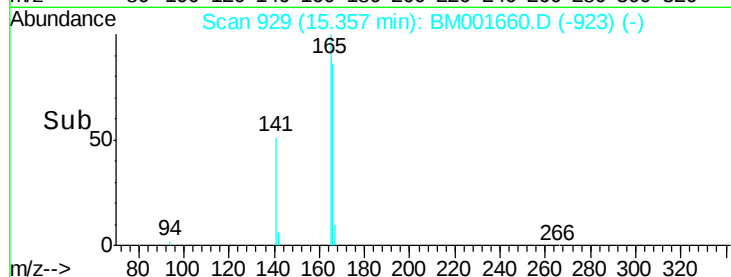
SSTDCCC001



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 10981 |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 112.6 | 90.7  | 136.1 |
| 167       | 11.9  | 9.4   | 14.0  |

Manual Integrations  
APPROVED

apatel  
6/15/2015 12:41:47 PM



#18

Phenanthrene-d10

Concen: 5.00 ng

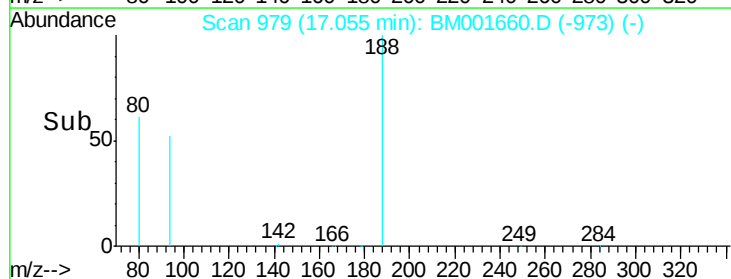
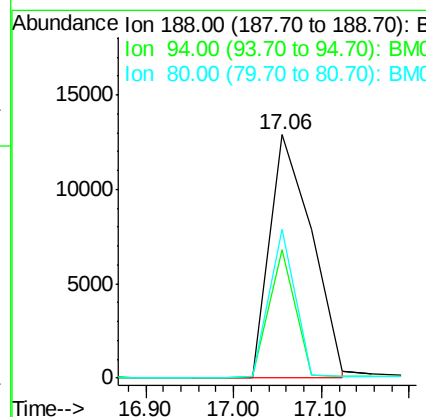
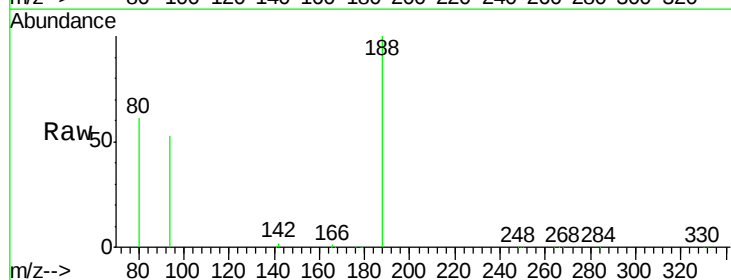
RT: 17.06 min Scan# 979

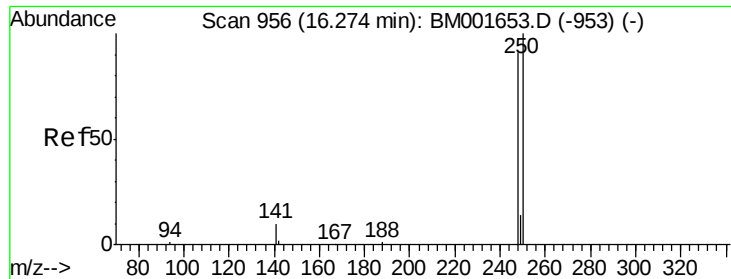
Delta R.T. 0.00 min

Lab File: BM001660.D

Acq: 12 Jun 2015 03:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 188   | Resp: | 42837 |
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 52.7  | 48.3  | 72.5  |
| 80        | 61.4  | 58.6  | 88.0  |





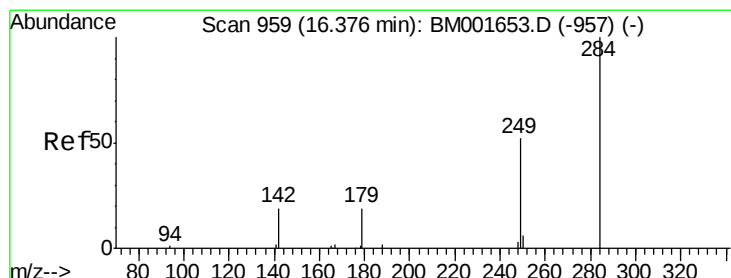
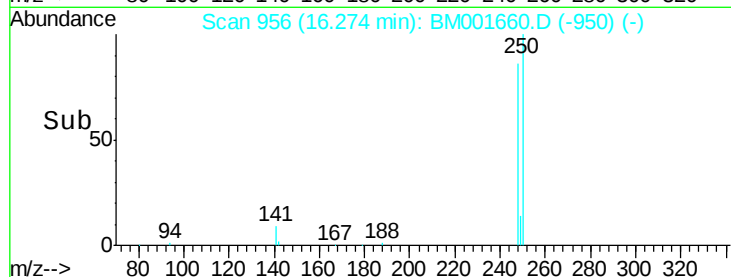
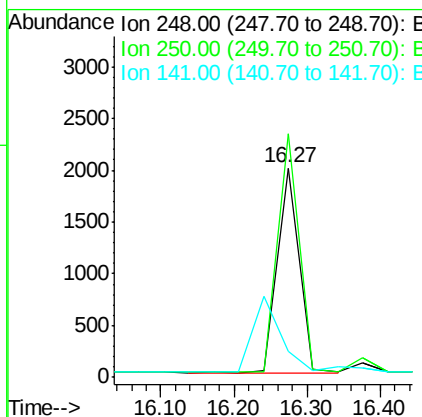
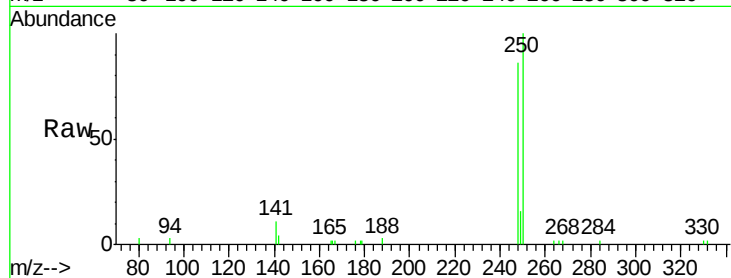
#19  
4-Bromophenyl-phenylether  
Concen: 0.97 ng  
RT: 16.27 min Scan# 956  
Delta R.T. 0.00 min  
Lab File: BM001660.D  
Acq: 12 Jun 2015 03:38

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC001

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 248   | Resp: | 4155  |
| Ion Ratio | Lower | Upper |       |
| 248       | 100   |       |       |
| 250       | 115.4 | 87.5  | 131.3 |
| 141       | 0.0   | 0.0   | 0.0   |

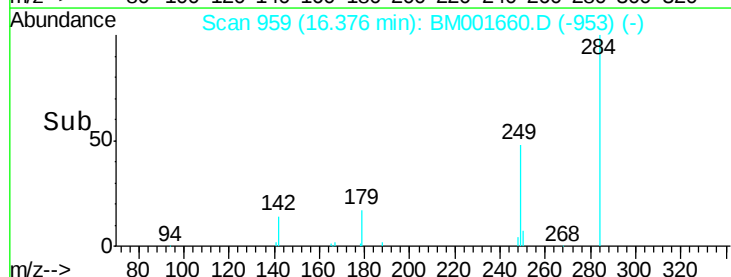
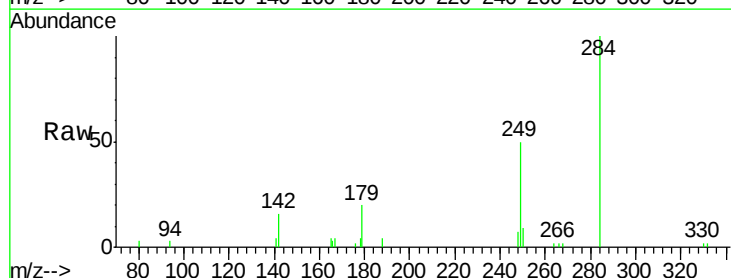
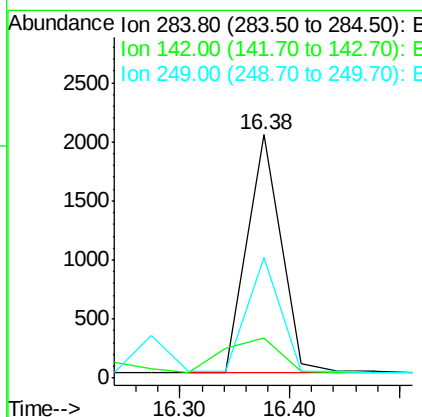
Manual Integrations  
APPROVED

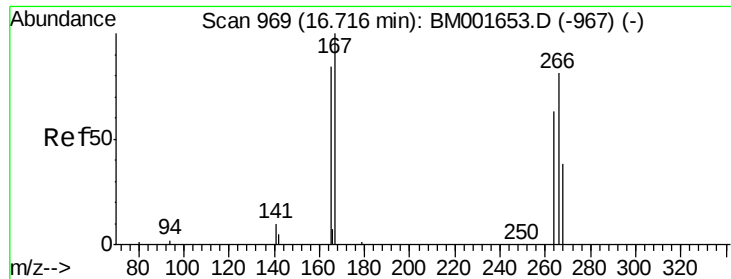
apatel  
6/15/2015 12:41:47 PM



#20  
Hexachlorobenzene  
Concen: 1.09 ng  
RT: 16.38 min Scan# 959  
Delta R.T. 0.00 min  
Lab File: BM001660.D  
Acq: 12 Jun 2015 03:38

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 284   | Resp: | 4268 |
| Ion Ratio | Lower | Upper |      |
| 284       | 100   |       |      |
| 142       | 23.2  | 21.5  | 32.3 |
| 249       | 62.1  | 53.8  | 80.6 |





#21

Pentachlorophenol

Concen: 0.99 ng

RT: 16.72 min Scan# 969

Delta R.T. 0.00 min

Lab File: BM001660.D

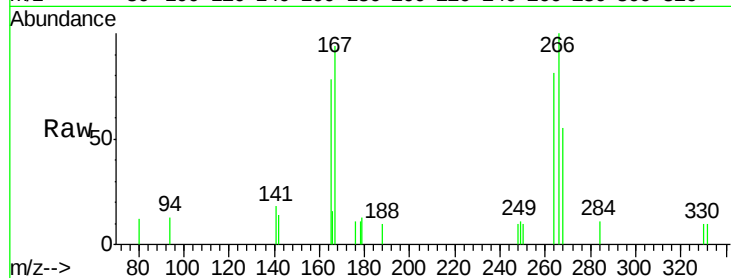
Acq: 12 Jun 2015 03:38

Instrument :

BNA\_M

ClientSampleId :

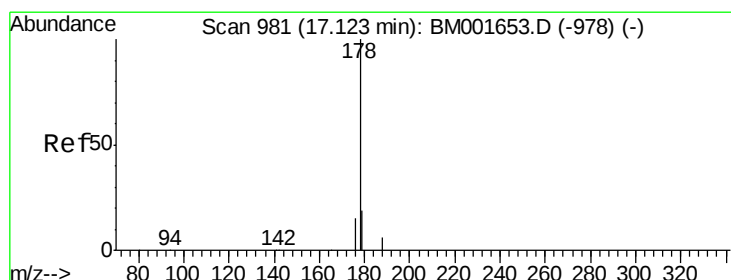
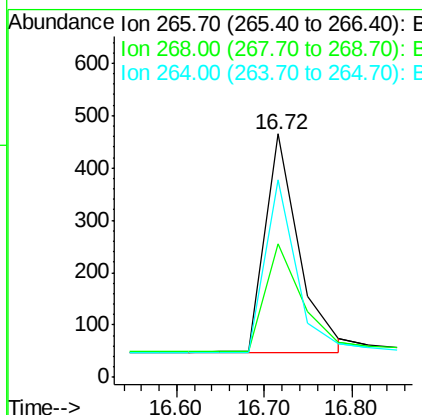
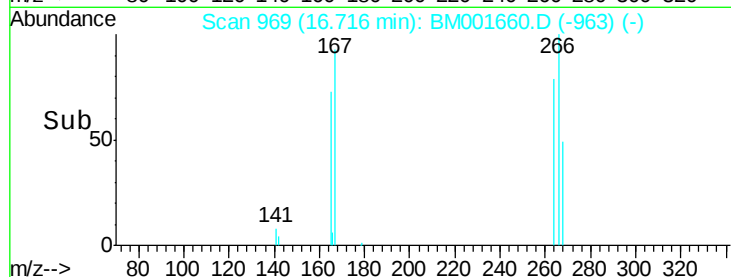
SSTDCCC001



|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 1123 |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 268       | 55.1  | 43.3  | 64.9 |
| 264       | 81.1  | 64.5  | 96.7 |

Manual Integrations  
APPROVED

apatel  
6/15/2015 12:41:47 PM



#22

Phenanthrene

Concen: 0.88 ng m

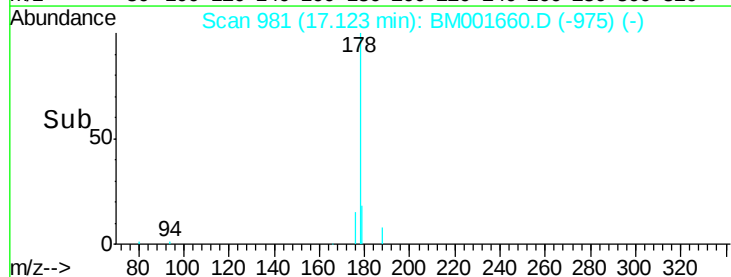
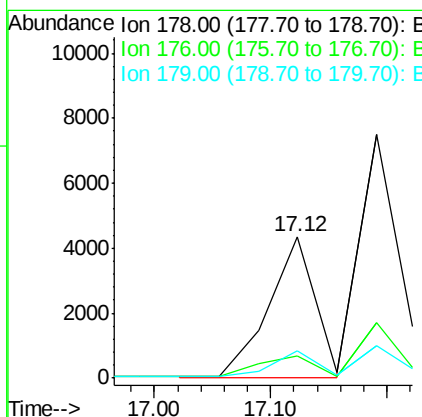
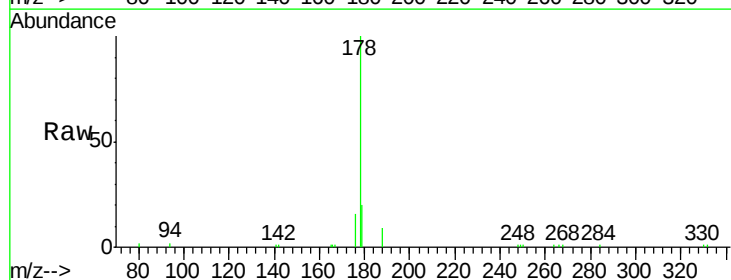
RT: 17.12 min Scan# 981

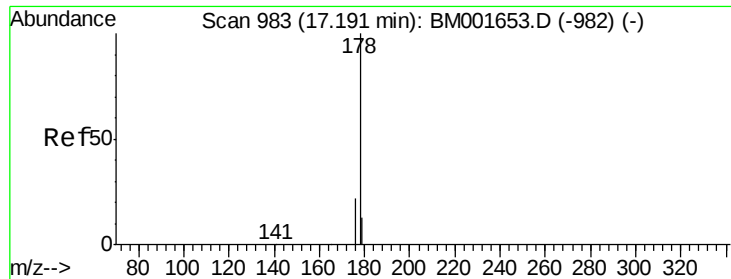
Delta R.T. 0.00 min

Lab File: BM001660.D

Acq: 12 Jun 2015 03:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 12322 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 176       | 0.0   | 0.0   | 0.0   |
| 179       | 0.0   | 14.2  | 21.2# |





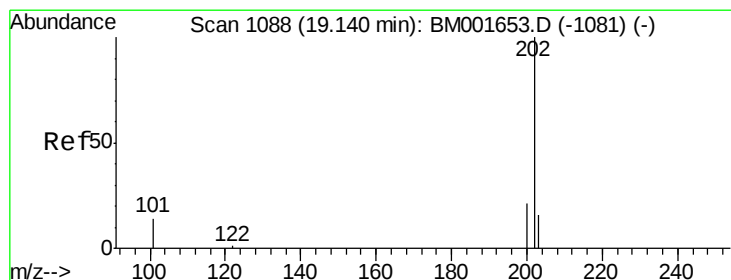
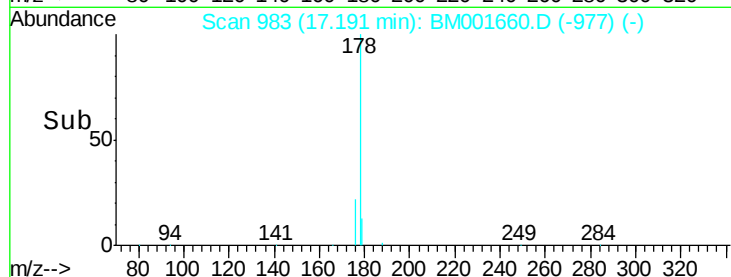
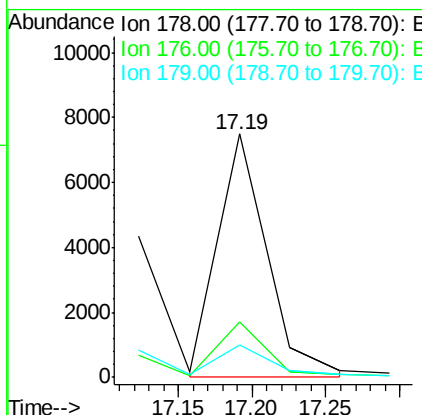
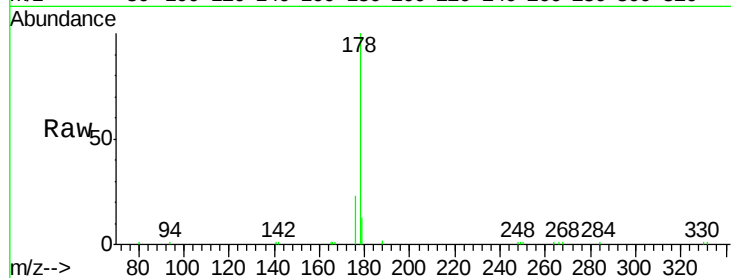
#23  
 Anthracene  
 Concen: 1.06 ng m  
 RT: 17.19 min Scan# 983  
 Delta R.T. 0.00 min  
 Lab File: BM001660.D  
 Acq: 12 Jun 2015 03:38

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC001

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 33.1  | 0.0   | 0.0#  |
| 179     | 0.0   | 21.4  | 32.0# |

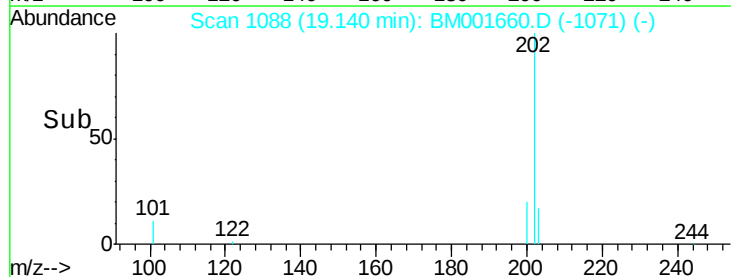
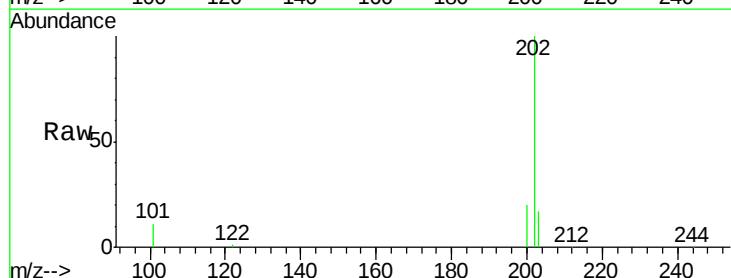
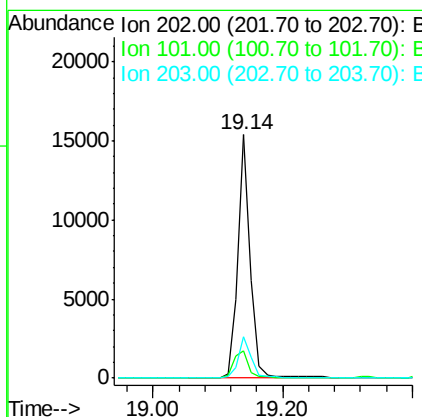
Manual Integrations  
 APPROVED

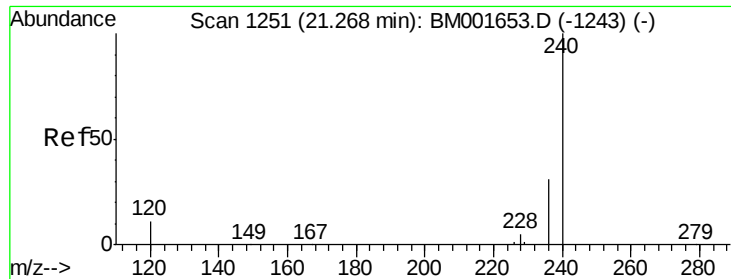
apatel  
 6/15/2015 12:41:47 PM



#24  
 Fluoranthene  
 Concen: 0.97 ng  
 RT: 19.14 min Scan# 1088  
 Delta R.T. 0.00 min  
 Lab File: BM001660.D  
 Acq: 12 Jun 2015 03:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.9  | 10.8  | 16.2  |
| 203     | 17.2  | 13.8  | 20.8  |





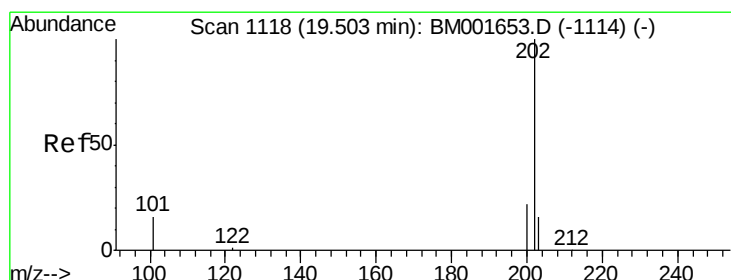
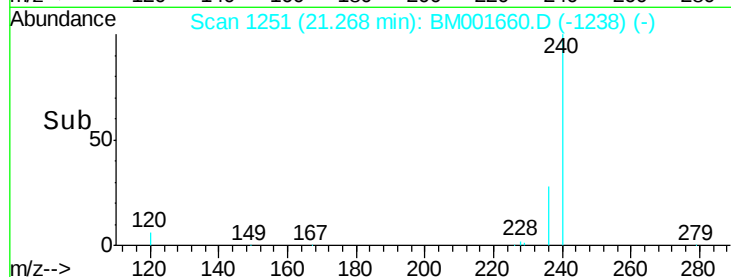
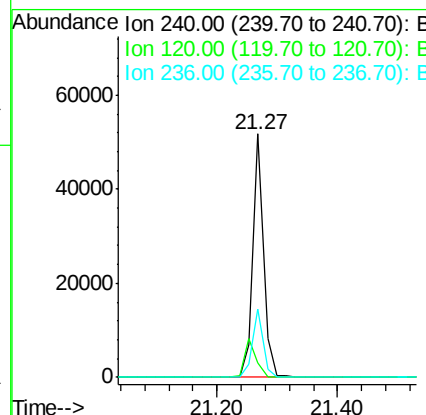
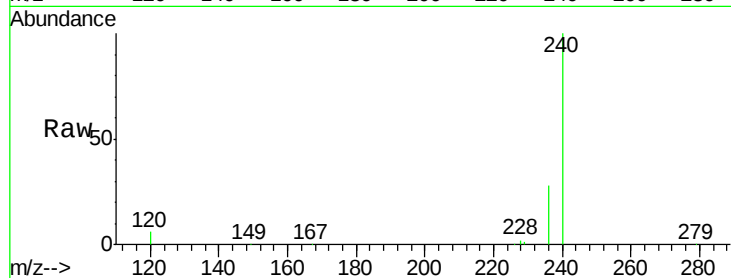
#25  
Chrysene-d12  
Concen: 5.00 ng  
RT: 21.27 min Scan# 1251  
Delta R.T. 0.00 min  
Lab File: BM001660.D  
Acq: 12 Jun 2015 03:38

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDCCC001

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 5.9   | 8.9   | 13.3# |
| 236     | 27.8  | 24.6  | 36.8  |

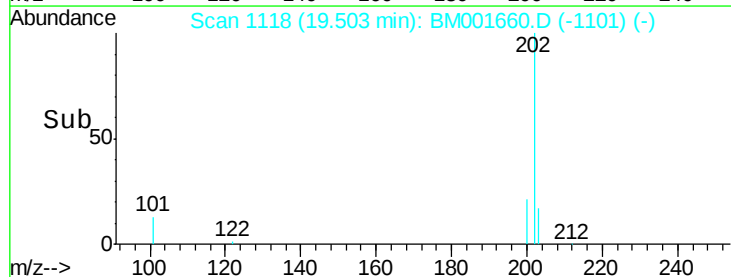
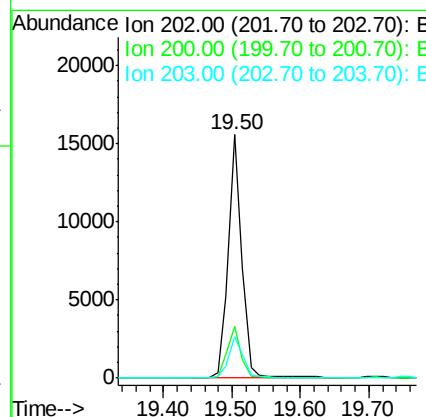
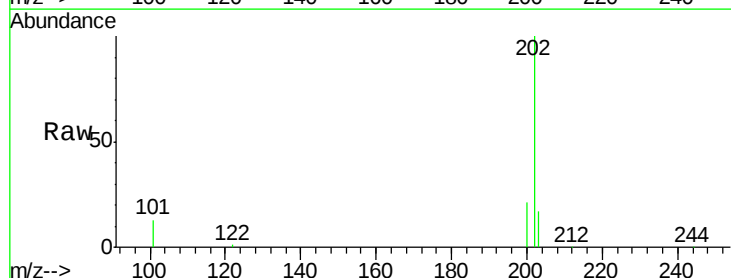
Manual Integrations  
APPROVED

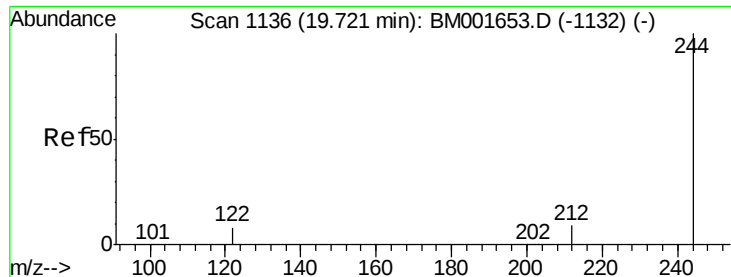
apatel  
6/15/2015 12:41:47 PM



#26  
Pyrene  
Concen: 0.97 ng  
RT: 19.50 min Scan# 1118  
Delta R.T. 0.00 min  
Lab File: BM001660.D  
Acq: 12 Jun 2015 03:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.9  | 16.6  | 24.8  |
| 203     | 17.3  | 13.8  | 20.8  |





#27

Terphenyl-d14

Concen: 0.97 ng

RT: 19.71 min Scan# 1135

Delta R.T. -0.01 min

Lab File: BM001660.D

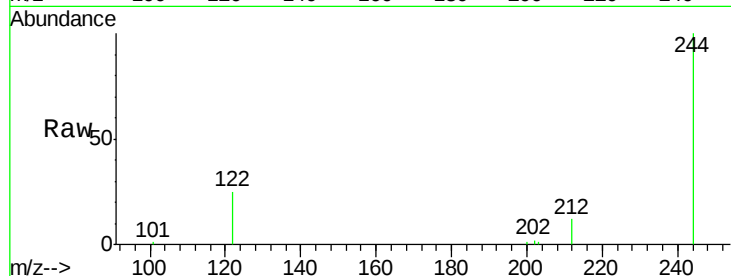
Acq: 12 Jun 2015 03:38

Instrument :

BNA\_M

ClientSampleId :

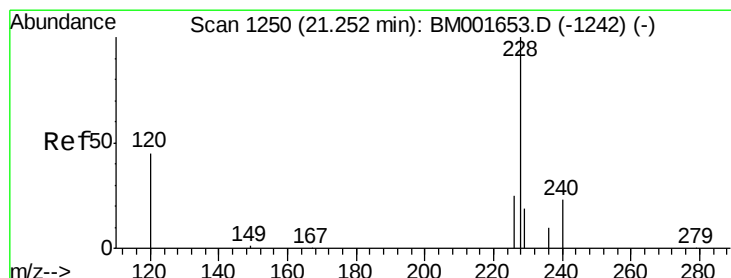
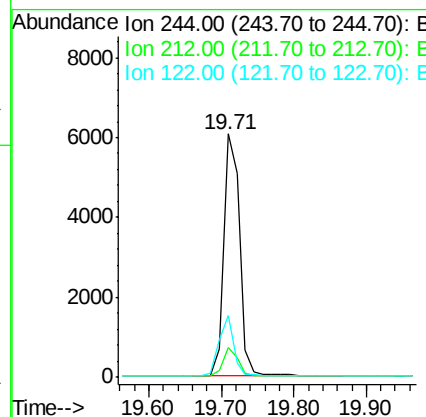
SSTDCCC001



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 244   | Resp: | 9185  |
| Ion Ratio | Lower | Upper |       |
| 244       | 100   |       |       |
| 212       | 12.2  | 7.7   | 11.5# |
| 122       | 25.1  | 6.9   | 10.3# |

Manual Integrations  
APPROVED

apatel  
6/15/2015 12:41:47 PM



#28

Benzo(a)anthracene

Concen: 0.88 ng

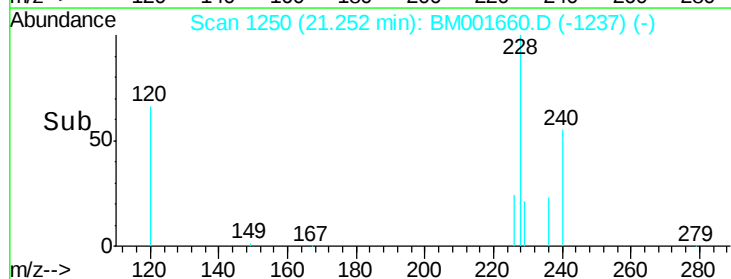
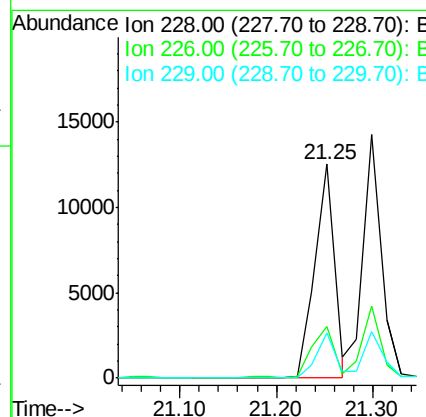
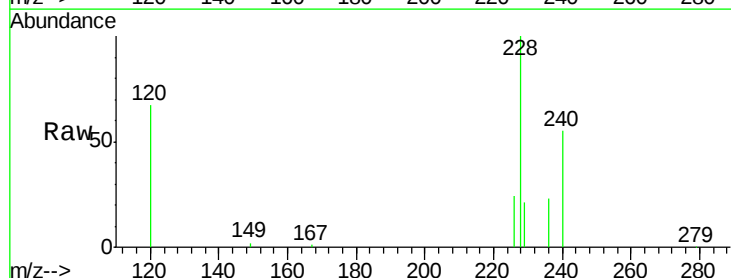
RT: 21.25 min Scan# 1250

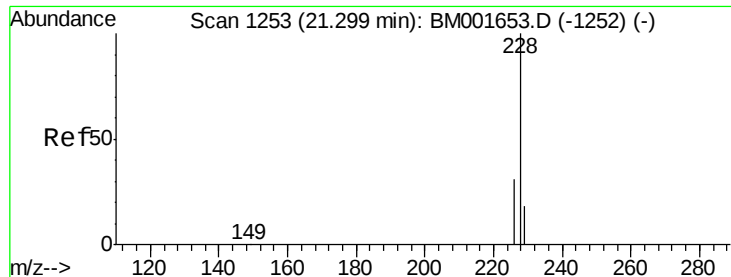
Delta R.T. 0.00 min

Lab File: BM001660.D

Acq: 12 Jun 2015 03:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 17369 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 24.1  | 20.2  | 30.4  |
| 229       | 21.0  | 15.7  | 23.5  |





#29

Chrysene

Concen: 0.98 ng

RT: 21.30 min Scan# 1253

Delta R.T. 0.00 min

Lab File: BM001660.D

Acq: 12 Jun 2015 03:38

Instrument :

BNA\_M

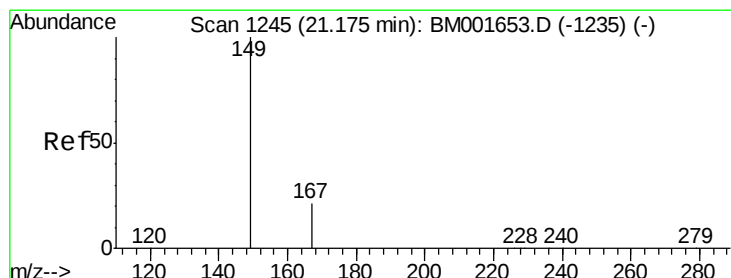
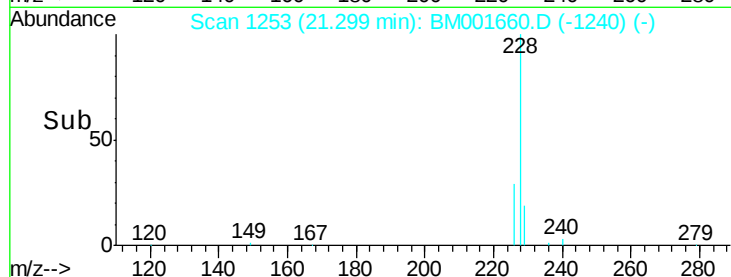
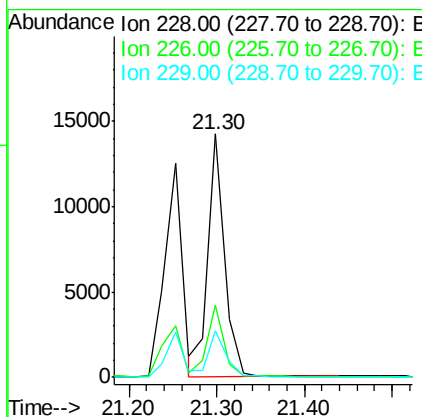
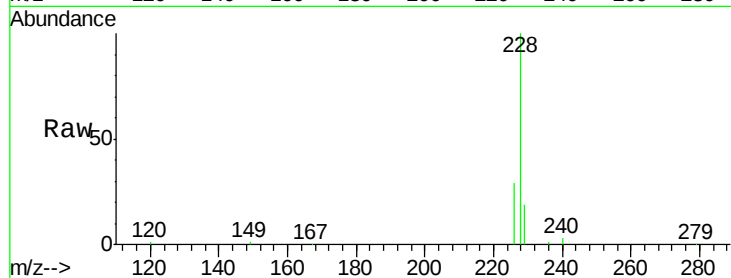
ClientSampleId :

SSTDCCC001

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 18630 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 29.5  | 25.8  | 38.8  |
| 229       | 19.1  | 14.1  | 21.1  |

Manual Integrations  
APPROVED

apatel  
6/15/2015 12:41:47 PM



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.99 ng

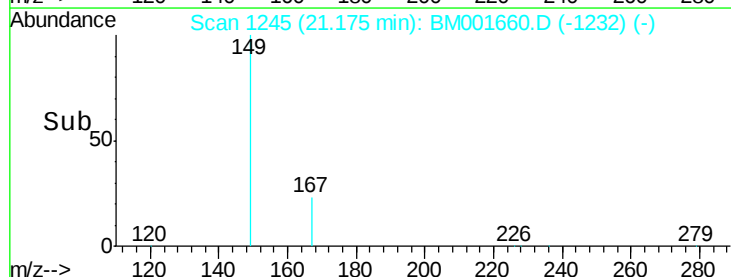
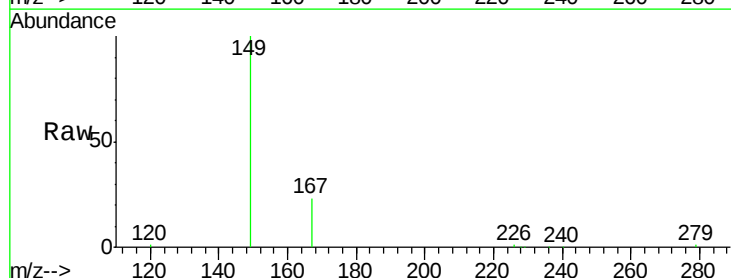
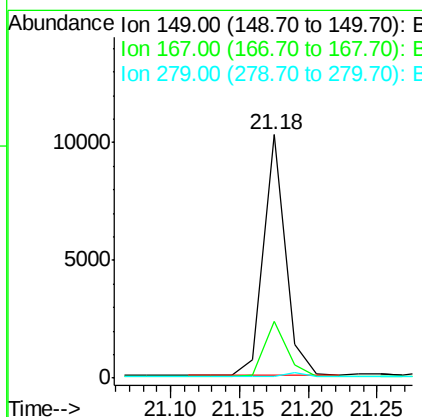
RT: 21.18 min Scan# 1245

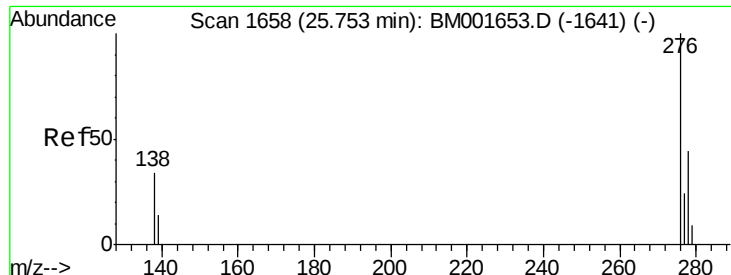
Delta R.T. 0.00 min

Lab File: BM001660.D

Acq: 12 Jun 2015 03:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 11369 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 24.5  | 20.2  | 30.2  |
| 279       | 2.0   | 1.7   | 2.5   |





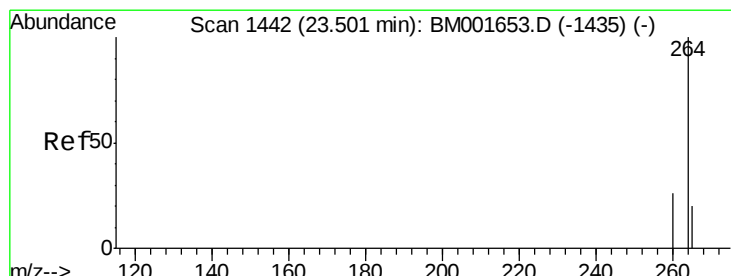
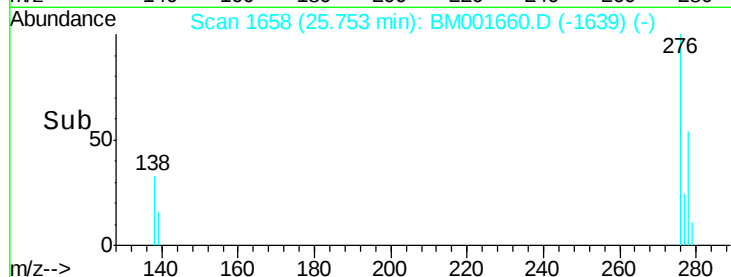
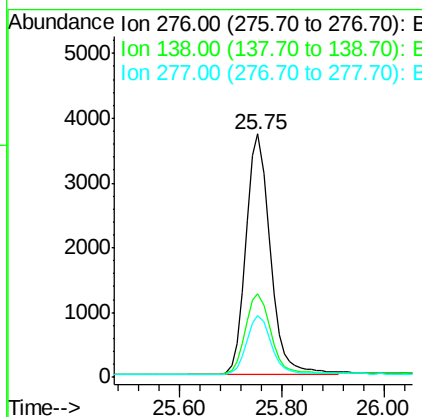
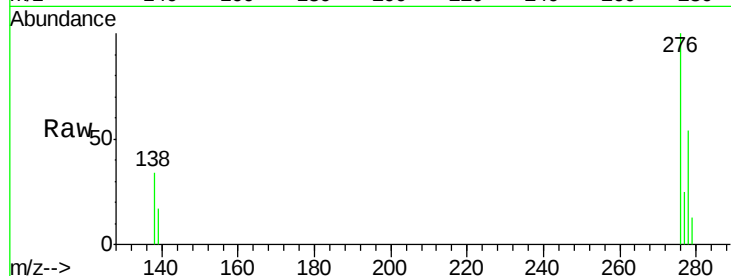
#31  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.82 ng  
 RT: 25.75 min Scan# 1658  
 Delta R.T. 0.00 min  
 Lab File: BM001660.D  
 Acq: 12 Jun 2015 03:38

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC001

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 34.9  | 28.8  | 43.2  |
| 277     | 24.4  | 19.6  | 29.4  |

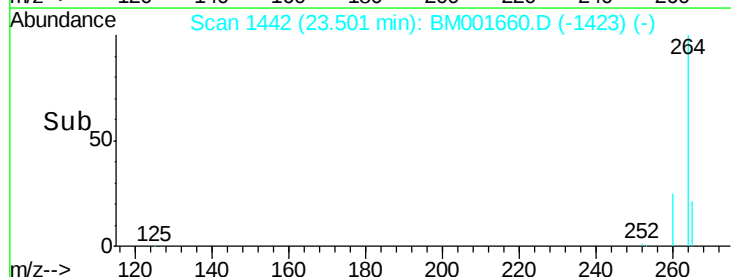
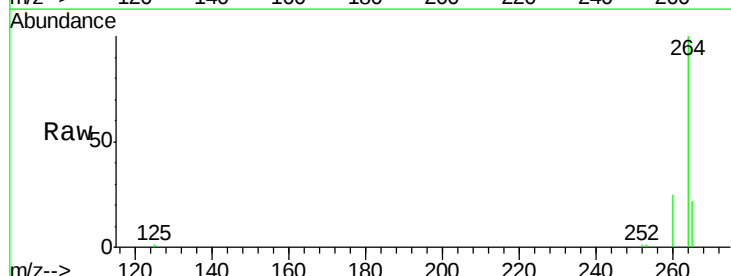
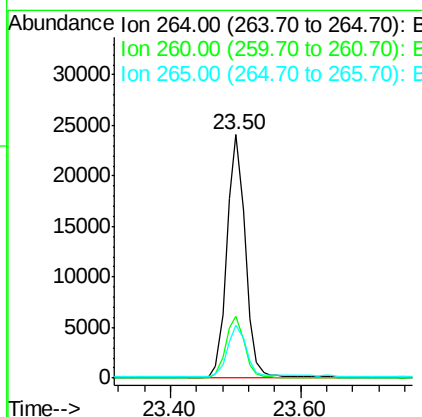
Manual Integrations  
 APPROVED

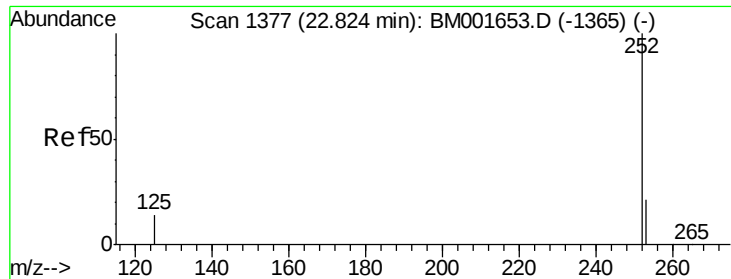
apatel  
 6/15/2015 12:41:47 PM



#32  
 Perylene-d12  
 Concen: 5.00 ng  
 RT: 23.50 min Scan# 1442  
 Delta R.T. 0.00 min  
 Lab File: BM001660.D  
 Acq: 12 Jun 2015 03:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.5  | 20.8  | 31.2  |
| 265     | 21.7  | 16.9  | 25.3  |





#33

Benzo(b)fluoranthene

Concen: 0.97 ng

RT: 22.82 min Scan# 1377

Delta R.T. 0.00 min

Lab File: BM001660.D

Acq: 12 Jun 2015 03:38

Instrument :

BNA\_M

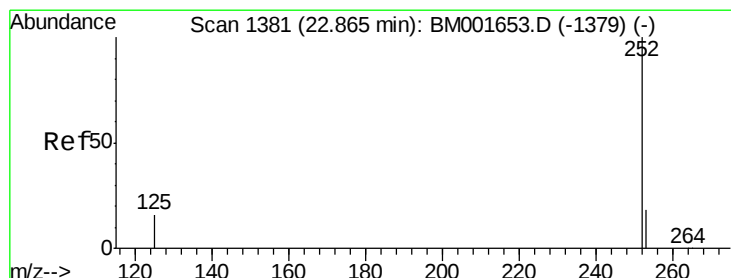
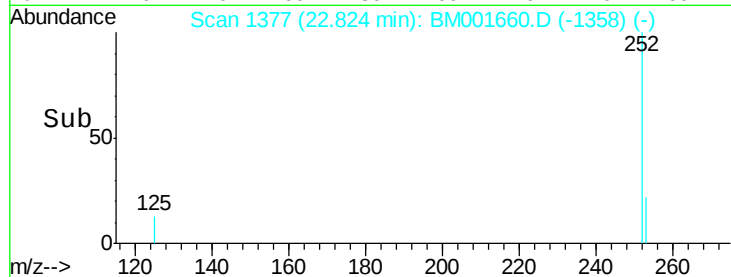
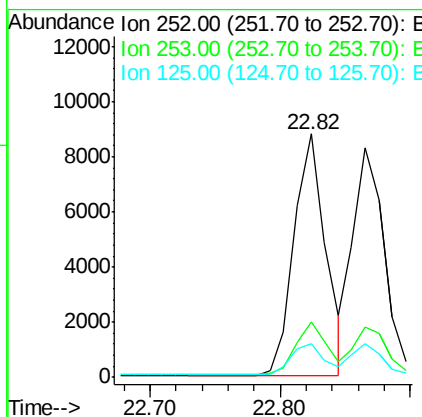
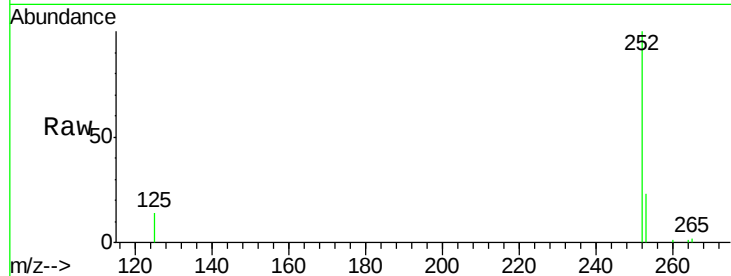
ClientSampleId :

SSTDCCC001

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 14809 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 22.8  | 17.4  | 26.2  |
| 125       | 14.0  | 12.0  | 18.0  |

Manual Integrations  
APPROVED

apatel  
6/15/2015 12:41:47 PM



#34

Benzo(k)fluoranthene

Concen: 0.94 ng

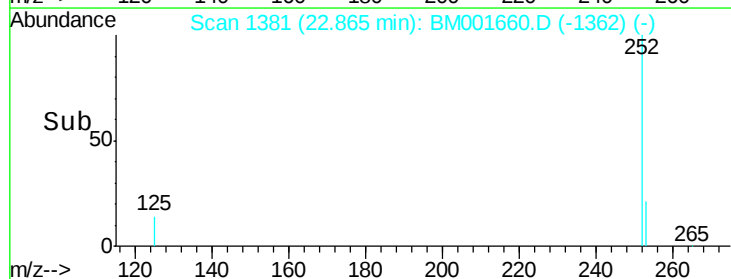
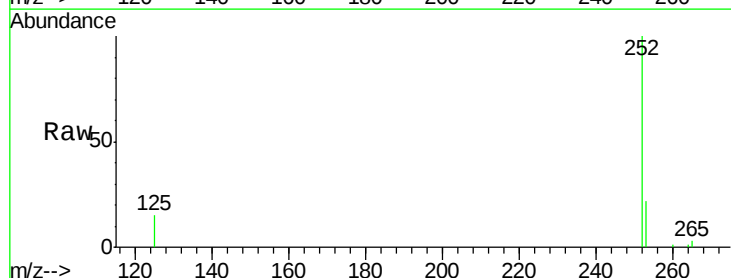
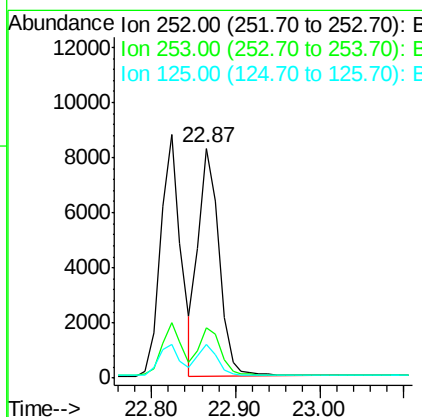
RT: 22.87 min Scan# 1381

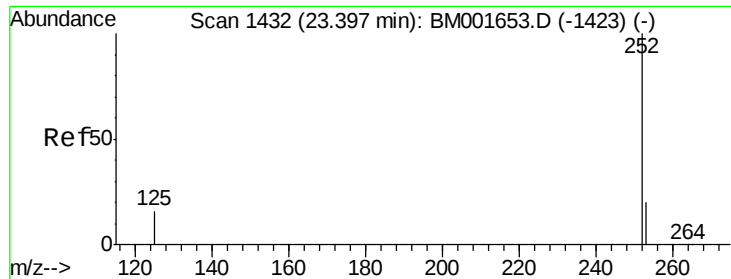
Delta R.T. 0.00 min

Lab File: BM001660.D

Acq: 12 Jun 2015 03:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 13940 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 21.9  | 17.0  | 25.6  |
| 125       | 14.6  | 12.5  | 18.7  |





#35

Benzo(a)pyrene

Concen: 0.93 ng

RT: 23.40 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BM001660.D

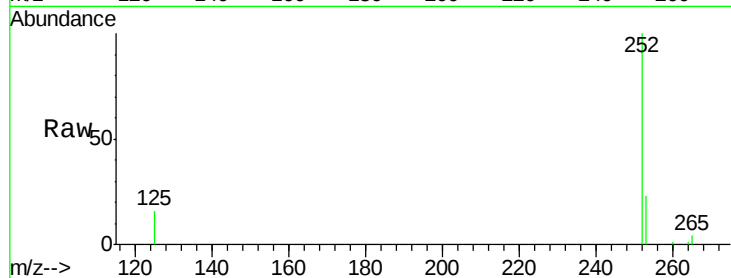
Acq: 12 Jun 2015 03:38

Instrument :

BNA\_M

ClientSampleId :

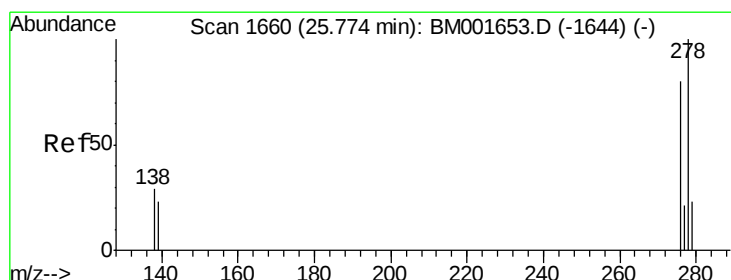
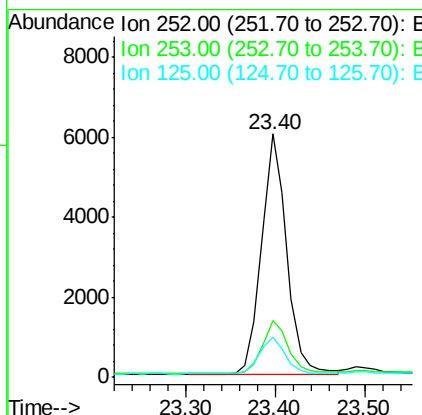
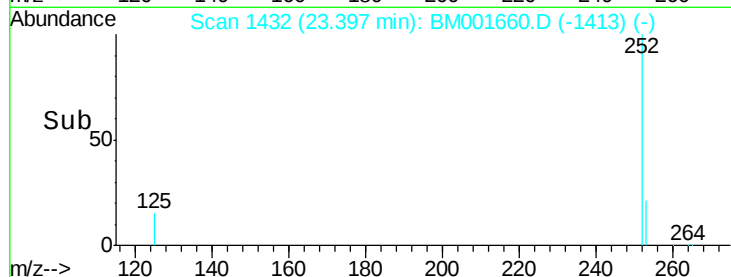
SSTDCCC001



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 11816 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 23.1  | 17.4  | 26.0  |
| 125       | 16.4  | 14.0  | 21.0  |

Manual Integrations  
APPROVED

apatel  
6/15/2015 12:41:47 PM



#36

Dibenzo(a,h)anthracene

Concen: 0.88 ng

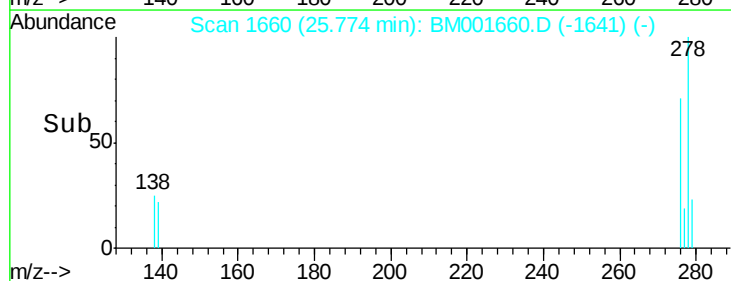
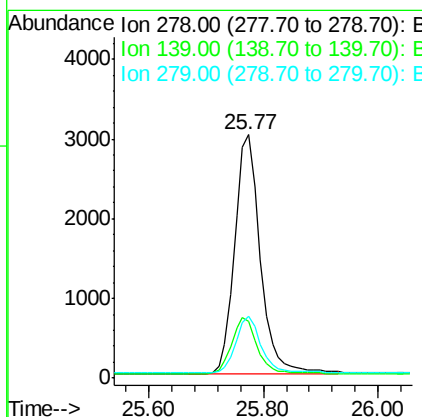
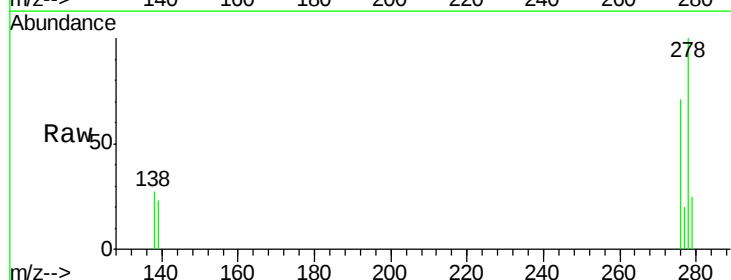
RT: 25.77 min Scan# 1660

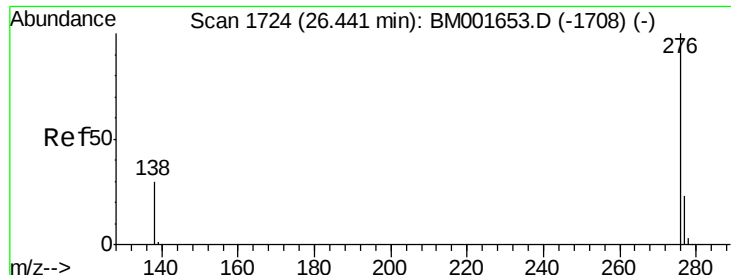
Delta R.T. 0.00 min

Lab File: BM001660.D

Acq: 12 Jun 2015 03:38

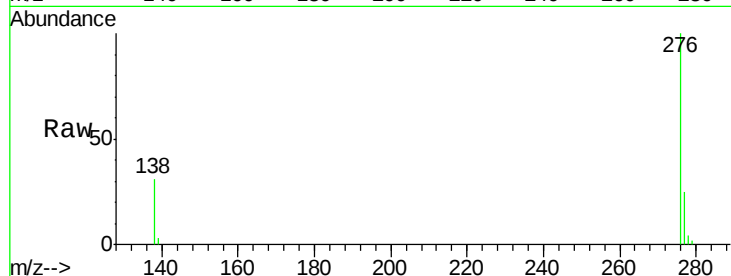
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 278   | Resp: | 9420 |
| Ion Ratio | Lower | Upper |      |
| 278       | 100   |       |      |
| 139       | 23.1  | 19.1  | 28.7 |
| 279       | 25.2  | 19.7  | 29.5 |





#37  
 Benzo(g,h,i)perylene  
 Concen: 0.99 ng  
 RT: 26.44 min Scan# 1724  
 Delta R.T. 0.00 min  
 Lab File: BM001660.D  
 Acq: 12 Jun 2015 03:38

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC001



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.8  | 19.3  | 28.9  |
| 138     | 30.8  | 25.0  | 37.4  |

Manual Integrations  
 APPROVED

apatel  
 6/15/2015 12:41:47 PM

