

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040915\  
 Data File : BM000928.D  
 Acq On : 09 Apr 2015 19:00  
 Operator : TP/IZ  
 Sample : SSTDICC0.2  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDICC0.2

Manual Integrations  
 APPROVED

apatel  
 4/10/2015 5:18:53 PM

Quant Time: Apr 10 06:32:00 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIM-BM040915.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 10 05:53:53 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.61  | 152  | 38880    | 5.00 | ng    | 0.00     |
| 8) Naphthalene-d8         | 10.38 | 136  | 148830   | 5.00 | ng    | 0.00     |
| 17) Acenaphthene-d10      | 14.26 | 164  | 78925    | 5.00 | ng    | 0.01     |
| 24) Phenanthrene-d10      | 17.00 | 188  | 158254   | 5.00 | ng    | 0.01     |
| 30) Chrysene-d12          | 21.20 | 240  | 135868   | 5.00 | ng    | 0.00     |
| 38) Perylene-d12          | 23.38 | 264  | 121885   | 5.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |      |      |    |      |
|--------------------------|-------|-----|------|------|----|------|
| 4) 2-Fluorophenol        | 5.21  | 112 | 1479 | 0.07 | ng | 0.00 |
| 5) Phenol-d6             | 6.78  | 99  | 1626 | 0.07 | ng | 0.00 |
| 9) Nitrobenzene-d5       | 8.76  | 82  | 1081 | 0.06 | ng | 0.00 |
| 18) 2,4,6-Tribromophenol | 15.76 | 330 | 399  | 0.05 | ng | 0.01 |
| 19) 2-Fluorobiphenyl     | 12.88 | 172 | 3673 | 0.06 | ng | 0.00 |
| 33) Terphenyl-d14        | 19.65 | 244 | 2740 | 0.07 | ng | 0.00 |

## Target Compounds

|                            |       |     |       |      |    | Qvalue |
|----------------------------|-------|-----|-------|------|----|--------|
| 2) 1,4-Dioxane             | 3.12  | 88  | 1011  | 0.12 | ng | # 75   |
| 3) n-Nitrosodimethylamine  | 3.46  | 42  | 546   | 0.04 | ng | # 1    |
| 6) Phenol                  | 6.82  | 94  | 1700  | 0.07 | ng | 83     |
| 7) bis(2-Chloroethyl)ether | 7.04  | 93  | 1486  | 0.07 | ng | 84     |
| 10) Nitrobenzene           | 8.80  | 77  | 1235  | 0.06 | ng | # 93   |
| 11) 2,4-Dimethylphenol     | 9.56  | 122 | 1286  | 0.07 | ng | 91     |
| 12) 2,4-Dichlorophenol     | 10.05 | 162 | 1162  | 0.06 | ng | # 63   |
| 13) Naphthalene            | 10.44 | 128 | 5355  | 0.07 | ng | 96     |
| 14) Hexachlorobutadiene    | 10.74 | 225 | 1003  | 0.07 | ng | 95     |
| 15) 2-Methylnaphthalene    | 12.06 | 142 | 3532  | 0.07 | ng | 95     |
| 16) 1-Methylnaphthalene    | 12.29 | 142 | 3551  | 0.07 | ng | 95     |
| 20) Acenaphthylene         | 13.97 | 152 | 4559  | 0.04 | ng | # 95   |
| 21) Acenaphthene           | 14.31 | 154 | 3869  | 0.06 | ng | # 63   |
| 22) 2,4-Dinitrophenol      | 14.41 | 184 | 44    | 0.03 | ng | # 14   |
| 23) Fluorene               | 15.30 | 166 | 4081  | 0.06 | ng | # 70   |
| 25) Hexachlorobenzene      | 16.33 | 284 | 1477  | 0.06 | ng | # 78   |
| 26) Pentachlorophenol      | 16.68 | 266 | 372   | 0.05 | ng | # 86   |
| 27) Phenanthrene           | 17.05 | 178 | 7067m | 0.06 | ng |        |
| 28) Anthracene             | 17.13 | 178 | 5939m | 0.06 | ng |        |
| 29) Fluoranthene           | 19.08 | 202 | 6888  | 0.06 | ng | 94     |
| 31) Benzidine              | 19.29 | 184 | 1183  | 0.07 | ng | # 64   |
| 32) Pyrene                 | 19.44 | 202 | 7475  | 0.07 | ng | 96     |
| 34) Benzo(a)anthracene     | 21.19 | 228 | 6556  | 0.07 | ng | 98     |
| 35) 3,3'-Dichlorobenzidine | 21.14 | 252 | 1417  | 0.06 | ng | # 77   |
| 36) Chrysene               | 21.23 | 228 | 7092  | 0.07 | ng | 99     |
| 37) Indeno(1,2,3-cd)pyrene | 25.56 | 276 | 6730  | 0.07 | ng | 100    |
| 39) Benzo(b)fluoranthene   | 22.74 | 252 | 6977  | 0.08 | ng | # 91   |
| 40) Benzo(k)fluoranthene   | 22.78 | 252 | 5670  | 0.06 | ng | # 90   |
| 41) Benzo(a)pyrene         | 23.29 | 252 | 5550  | 0.07 | ng | # 89   |
| 42) Dibenzo(a,h)anthracene | 25.58 | 278 | 5085  | 0.07 | ng | # 95   |
| 43) Benzo(g,h,i)perylene   | 26.23 | 276 | 5878  | 0.07 | ng | 95     |

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

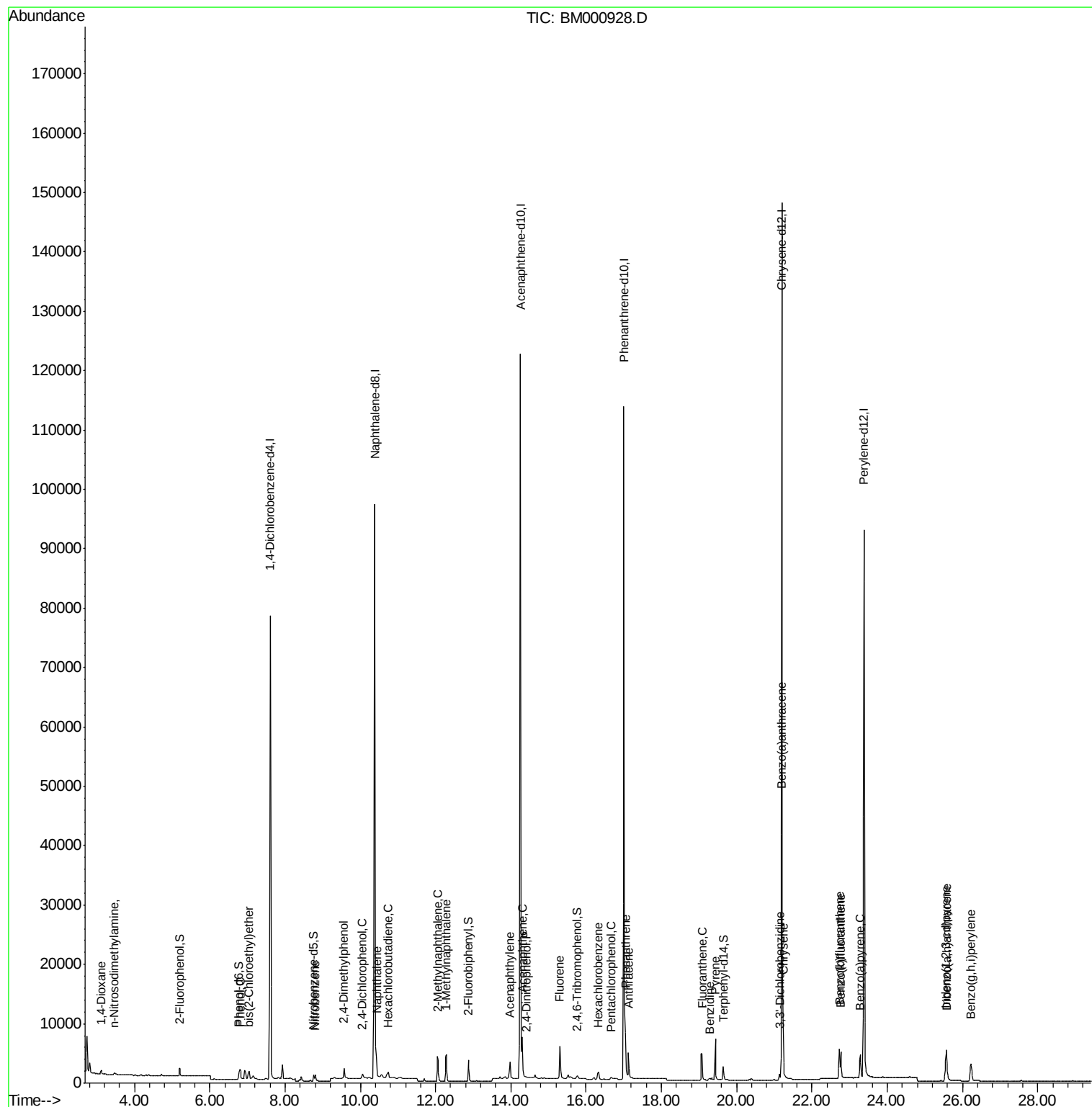
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040915\  
Data File : BM000928.D  
Acq On : 09 Apr 2015 19:00  
Operator : TP/IZ  
Sample : SSTDICC0.2  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

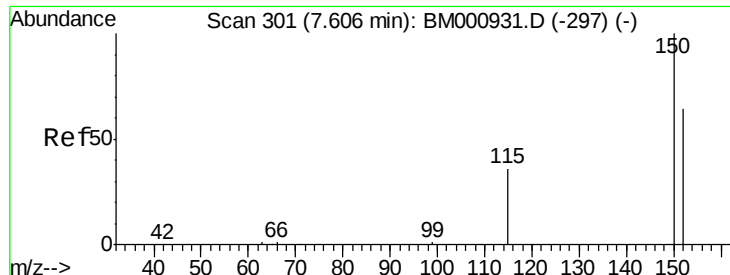
Instrument :  
BNA\_M  
ClientSampleId :  
SSTDICC0.2

Manual Integrations  
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apatel  
4/10/2015 5:18:57 PM

Quant Time: Apr 10 06:32:00 2015  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIM-BM040915.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Apr 10 05:53:53 2015  
Response via : Initial Calibration





#1

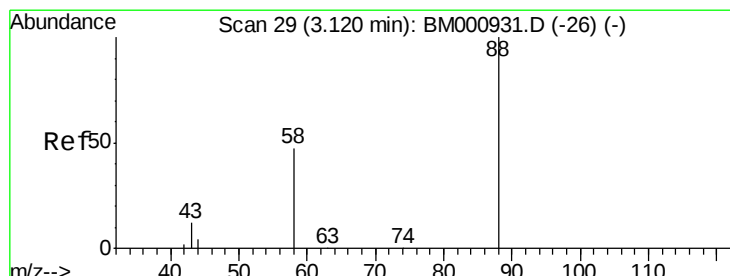
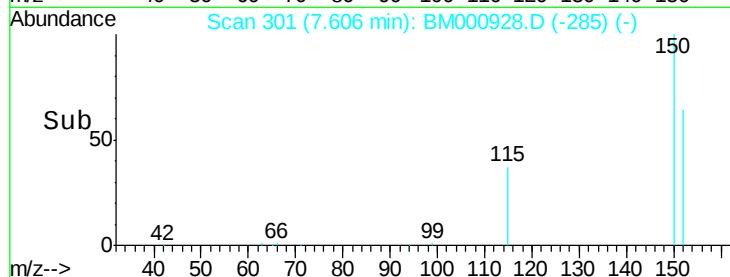
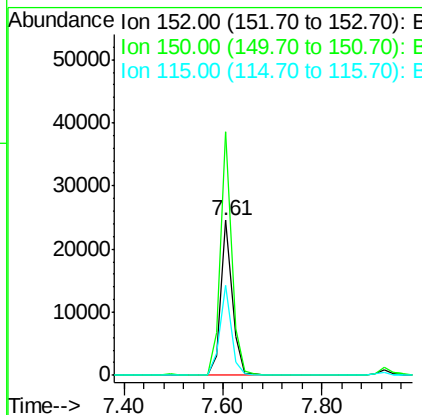
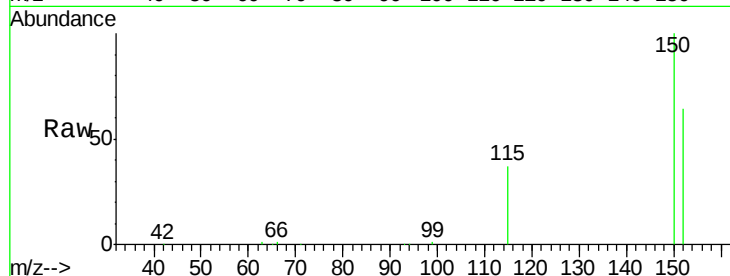
1,4-Dichlorobenzene-d4  
Concen: 5.00 ng  
RT: 7.61 min Scan# 301  
Delta R.T. 0.00 min  
Lab File: BM000928.D  
Acq: 09 Apr 2015 19:00

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDIC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.3 | 125.4 | 188.2 |
| 115     | 57.8  | 45.9  | 68.9  |

Manual Integrations  
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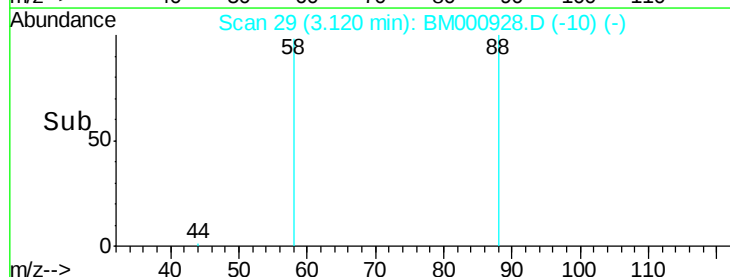
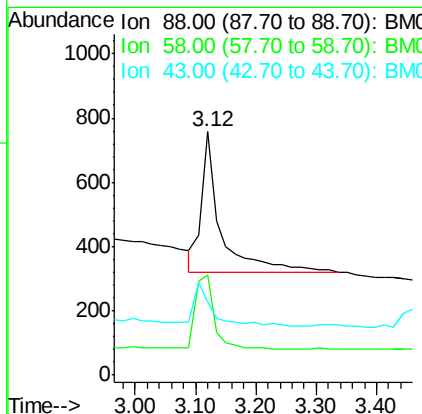
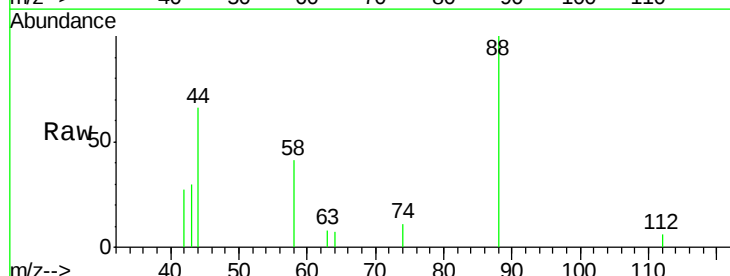
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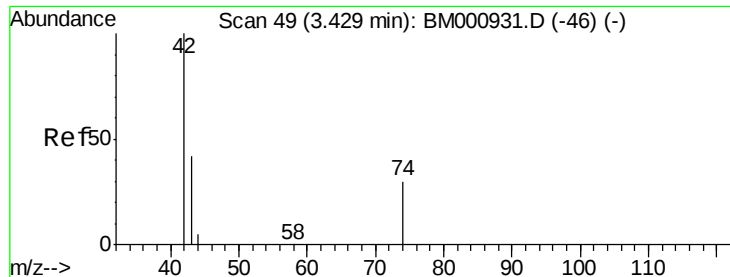


#2

1,4-Dioxane  
Concen: 0.12 ng  
RT: 3.12 min Scan# 29  
Delta R.T. 0.00 min  
Lab File: BM000928.D  
Acq: 09 Apr 2015 19:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 49.7  | 63.0  | 94.6# |
| 43      | 30.3  | 27.0  | 40.4  |





#3

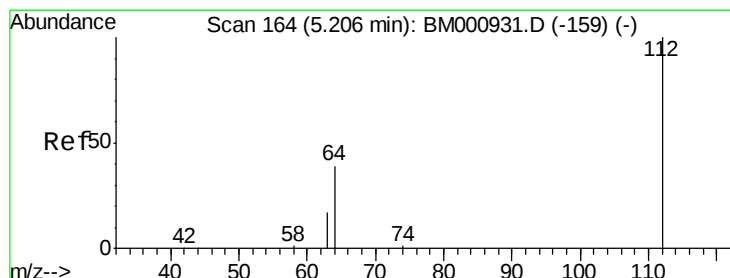
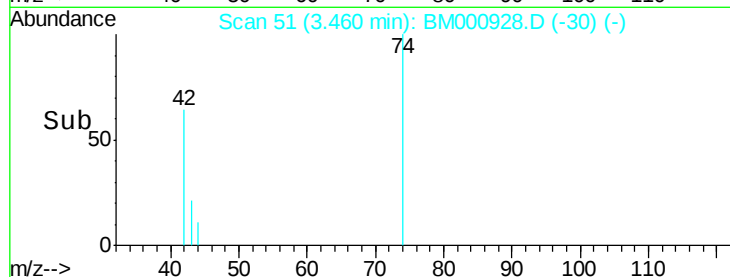
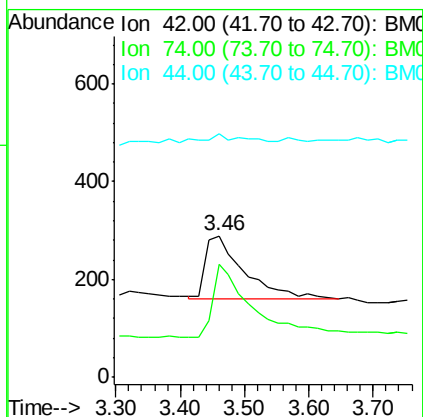
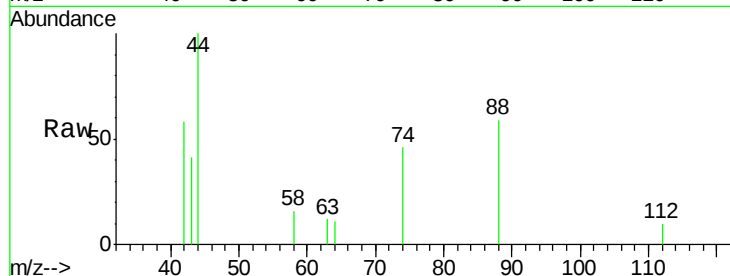
n-Nitrosodimethylamine  
 Concen: 0.04 ng  
 RT: 3.46 min Scan# 51  
 Delta R.T. 0.03 min  
 Lab File: BM000928.D  
 Acq: 09 Apr 2015 19:00

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDICC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 79.6  | 26.0  | 39.0# |
| 44      | 172.3 | 29.0  | 43.4# |

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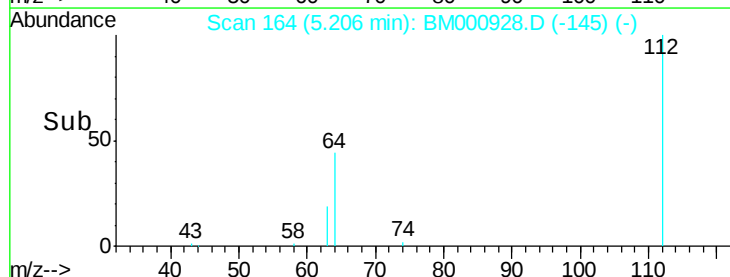
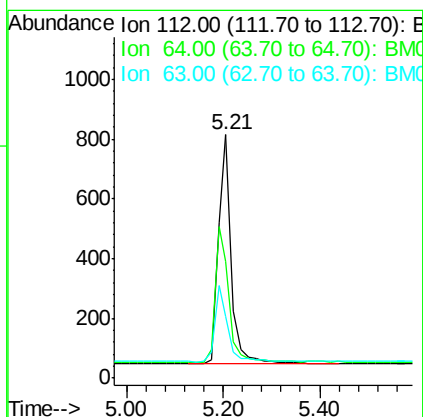
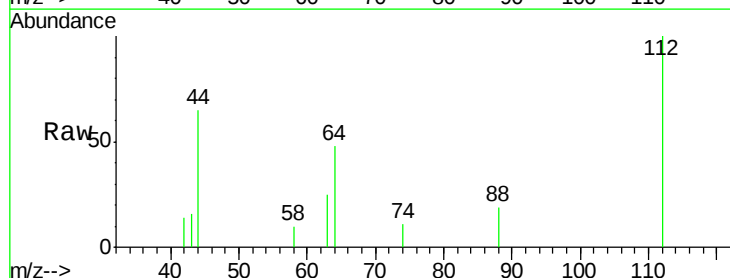
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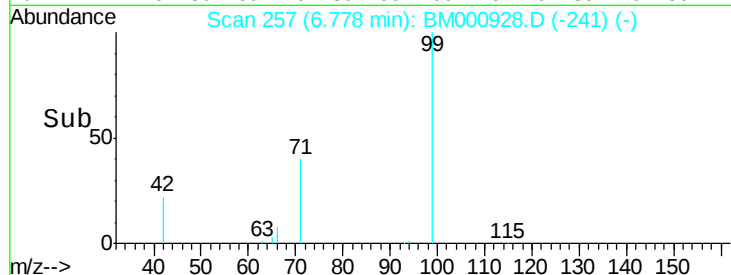
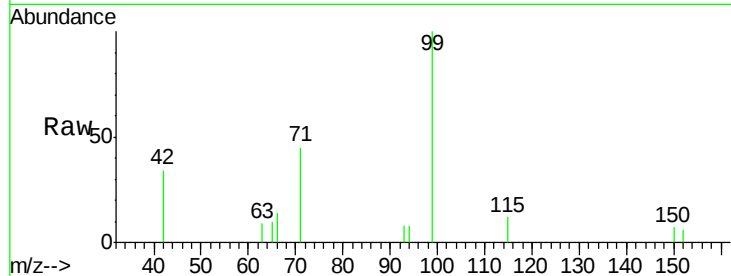
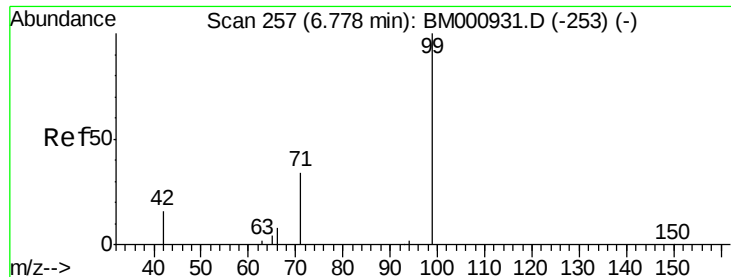


#4

2-Fluorophenol  
 Concen: 0.07 ng  
 RT: 5.21 min Scan# 164  
 Delta R.T. 0.00 min  
 Lab File: BM000928.D  
 Acq: 09 Apr 2015 19:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 48.2  | 31.8  | 47.8# |
| 63      | 25.3  | 14.5  | 21.7# |





#5

Phenol-d6

Concen: 0.07 ng

RT: 6.78 min Scan# 257

Delta R.T. 0.00 min

Lab File: BM000928.D

Acq: 09 Apr 2015 19:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 1626  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 33.9  | 14.1  | 21.1# |
| 71       | 44.9  | 28.0  | 42.0# |

Instrument :

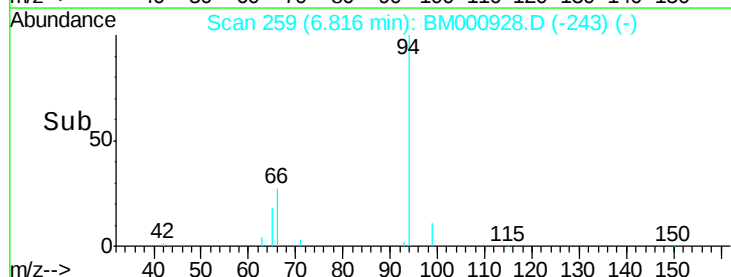
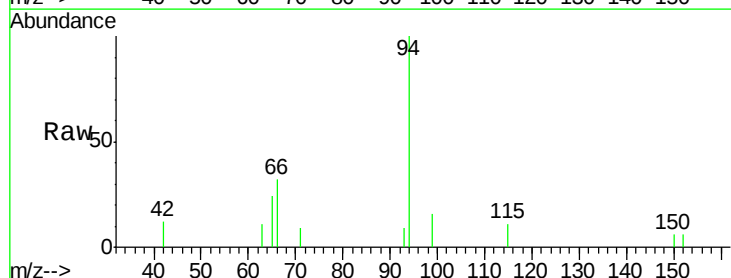
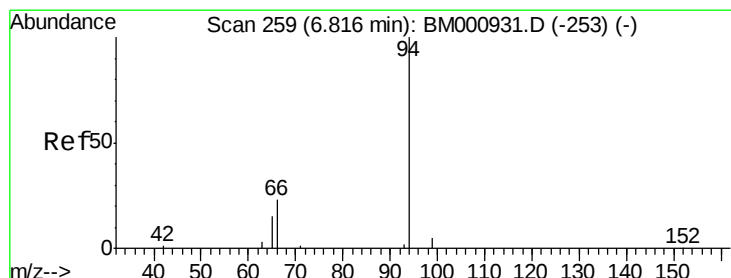
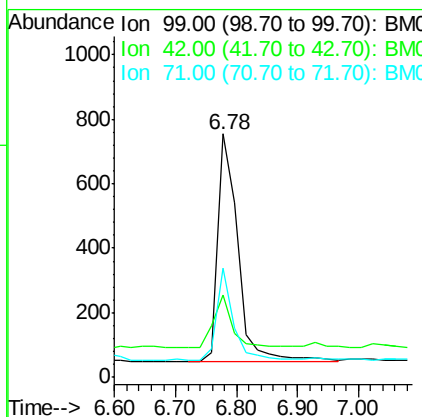
BNA\_M

ClientSampleId :

SSTDIC0.2

Manual Integrations  
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#6

Phenol

Concen: 0.07 ng

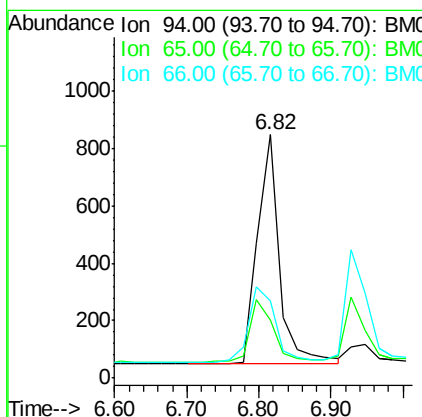
RT: 6.82 min Scan# 259

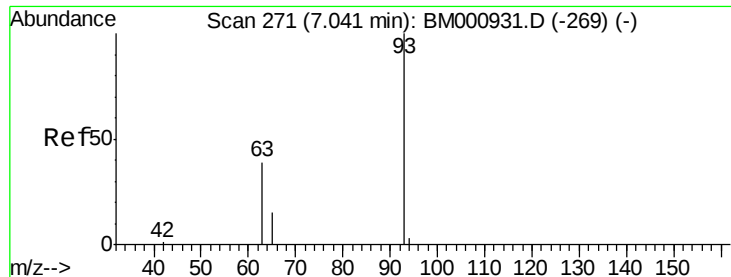
Delta R.T. 0.00 min

Lab File: BM000928.D

Acq: 09 Apr 2015 19:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 94    | Resp: | 1700  |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 23.8  | 0.0   | 36.0  |
| 66       | 31.6  | 3.7   | 43.7  |





#7

bis(2-Chloroethyl)ether

Concen: 0.07 ng

RT: 7.04 min Scan# 271

Delta R.T. 0.00 min

Lab File: BM000928.D

Acq: 09 Apr 2015 19:00

Instrument :

BNA\_M

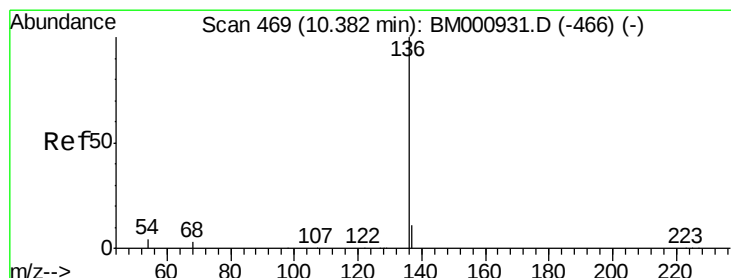
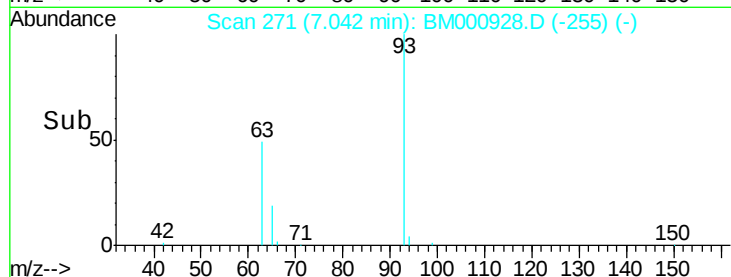
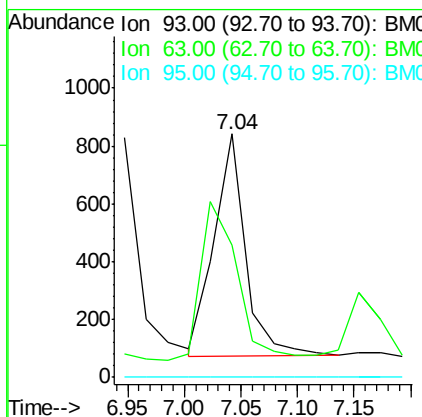
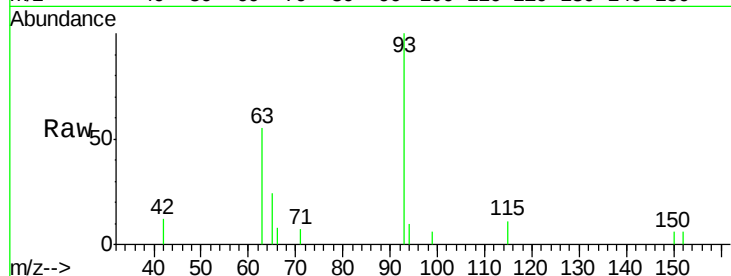
ClientSampleId :

SSTDICC0.2

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 93    | Resp: | 1486  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 54.5  | 24.0  | 64.0  |
| 95       | 0.0   | 0.0   | 20.0  |

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4/10/2015 5:18:57 PM



#8

Naphthalene-d8

Concen: 5.00 ng

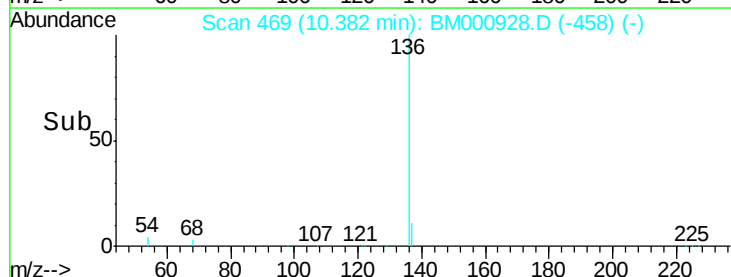
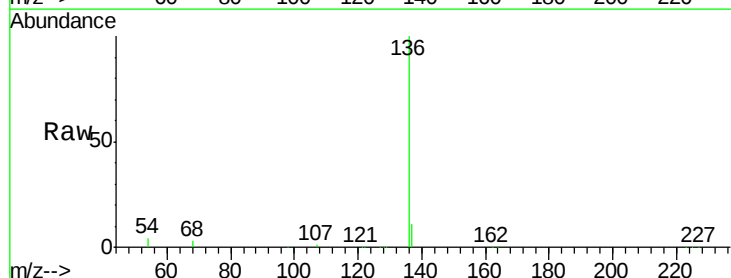
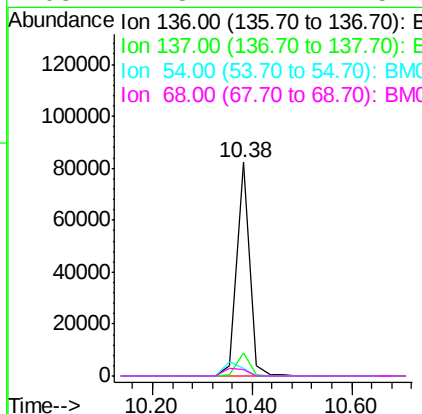
RT: 10.38 min Scan# 469

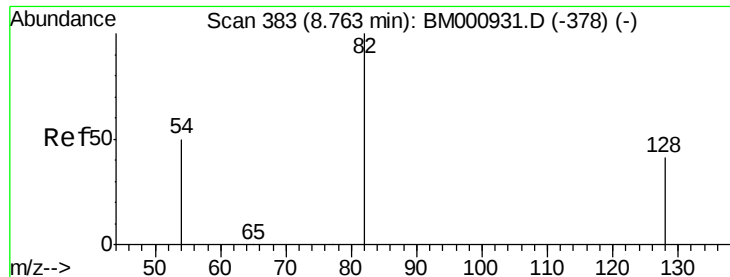
Delta R.T. 0.00 min

Lab File: BM000928.D

Acq: 09 Apr 2015 19:00

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 148830 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 8.6   | 13.0   |
| 54       | 3.7   | 2.9   | 4.3    |
| 68       | 2.8   | 2.2   | 3.2    |





#9

Nitrobenzene-d5

Concen: 0.06 ng

RT: 8.76 min Scan# 383

Delta R.T. 0.00 min

Lab File: BM000928.D

Acq: 09 Apr 2015 19:00

Instrument :

BNA\_M

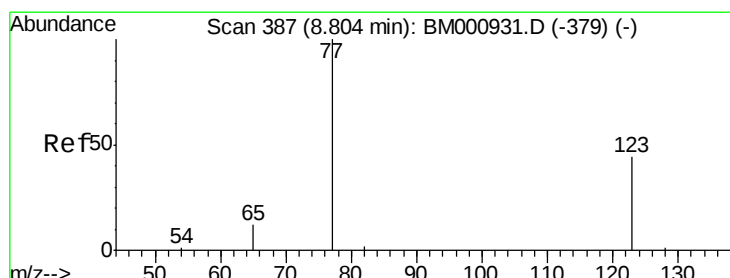
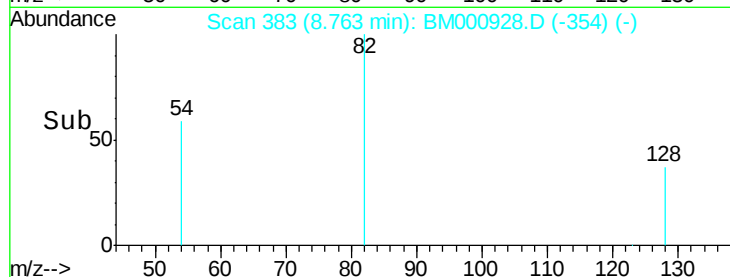
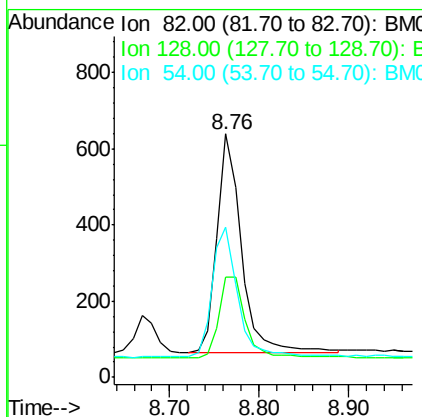
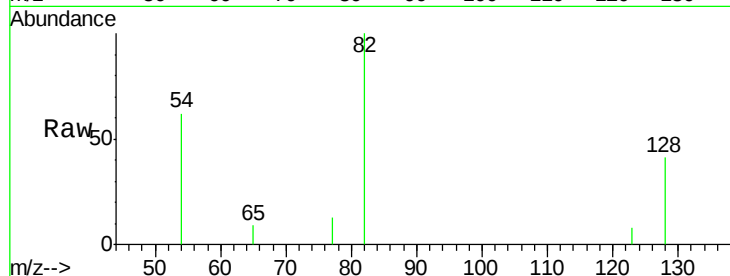
ClientSampleId :

SSTDIC0.2

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 82    | Resp: | 1081  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 41.0  | 33.4  | 50.0  |
| 54       | 61.5  | 40.5  | 60.7# |

Manual Integrations  
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4/10/2015 5:18:57 PM



#10

Nitrobenzene

Concen: 0.06 ng

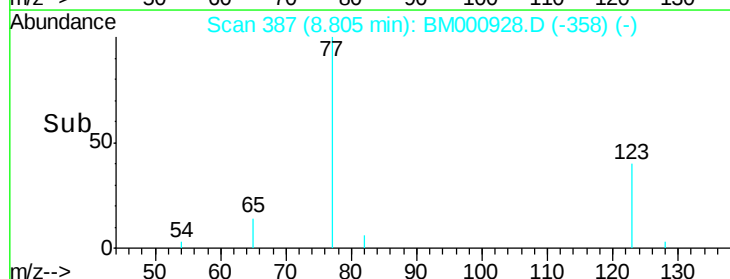
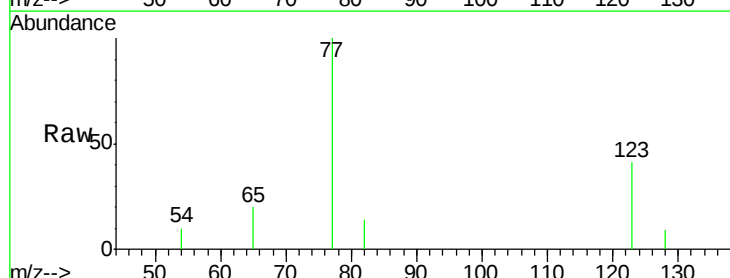
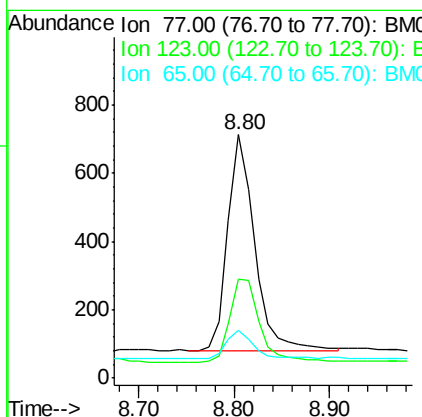
RT: 8.80 min Scan# 387

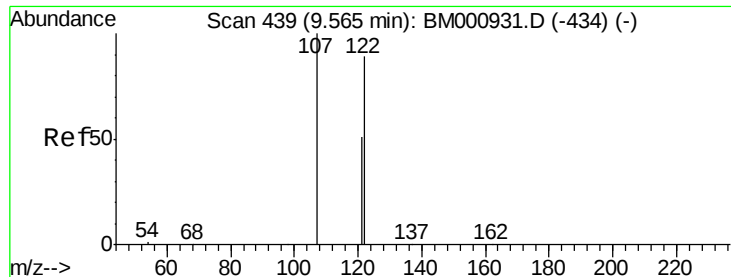
Delta R.T. 0.00 min

Lab File: BM000928.D

Acq: 09 Apr 2015 19:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 77    | Resp: | 1235  |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 123      | 40.7  | 35.0  | 52.6  |
| 65       | 19.8  | 10.7  | 16.1# |





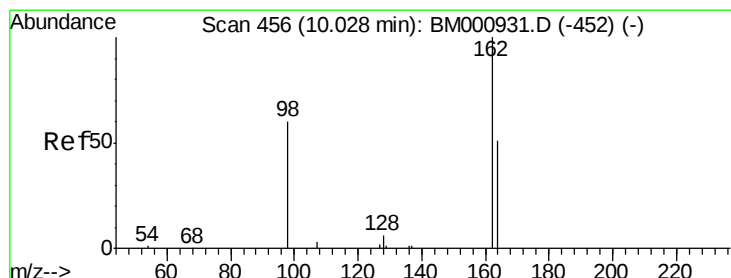
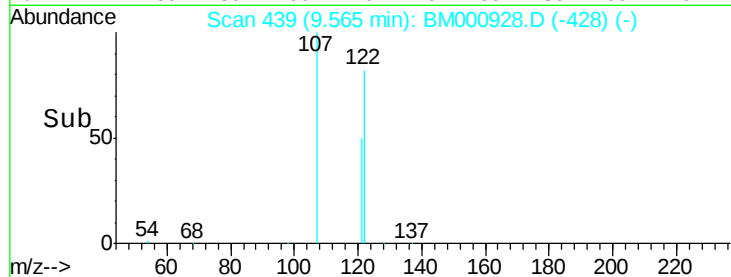
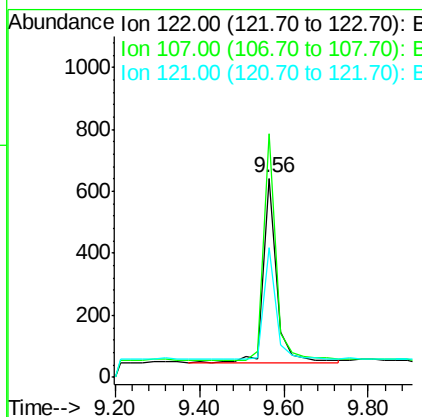
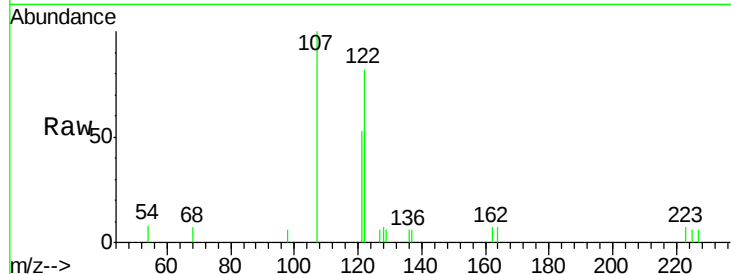
#11  
 2,4-Dimethylphenol  
 Concen: 0.07 ng  
 RT: 9.56 min Scan# 439  
 Delta R.T. 0.00 min  
 Lab File: BM000928.D  
 Acq: 09 Apr 2015 19:00

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDICC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 122.2 | 89.8  | 134.6 |
| 121     | 65.3  | 46.6  | 70.0  |

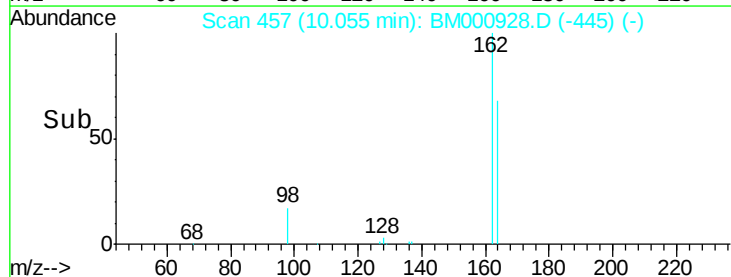
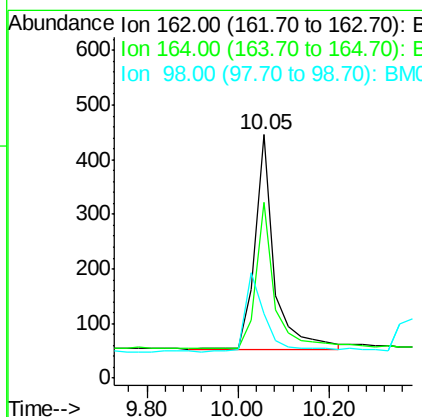
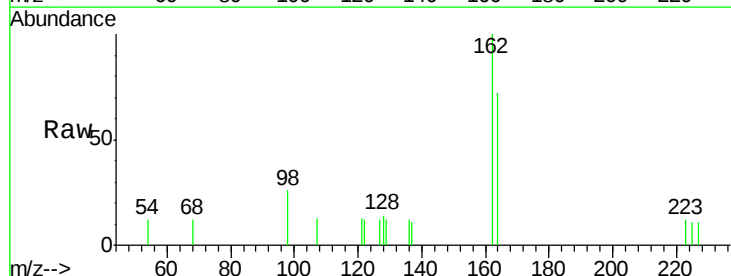
Manual Integrations  
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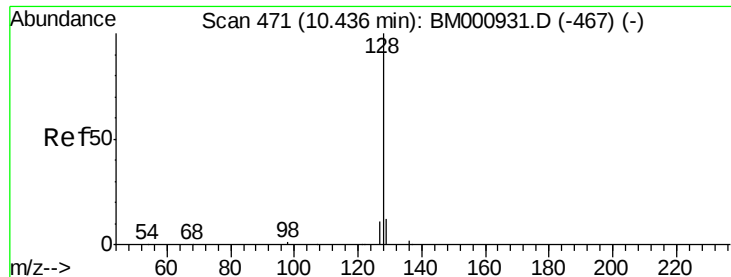
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#12  
 2,4-Dichlorophenol  
 Concen: 0.06 ng  
 RT: 10.05 min Scan# 457  
 Delta R.T. 0.03 min  
 Lab File: BM000928.D  
 Acq: 09 Apr 2015 19:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 72.2  | 32.5  | 72.5  |
| 98      | 26.5  | 40.5  | 80.5# |





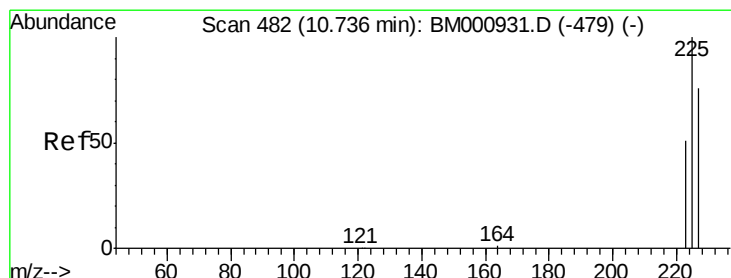
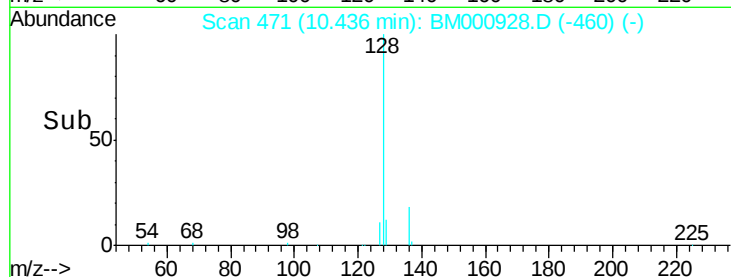
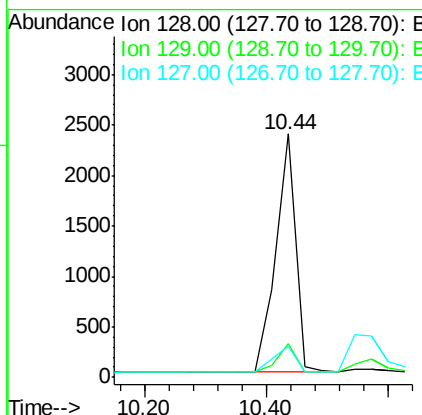
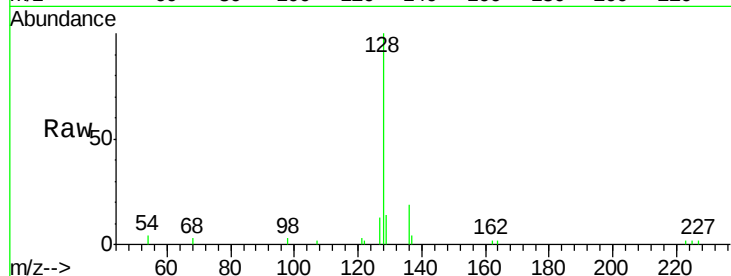
#13  
Naphthalene  
Concen: 0.07 ng  
RT: 10.44 min Scan# 471  
Delta R.T. 0.00 min  
Lab File: BM000928.D  
Acq: 09 Apr 2015 19:00

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDIC0.2

|             |       |       |
|-------------|-------|-------|
| Tot Ion:128 | Resp: | 5355  |
| Ion Ratio   | Lower | Upper |
| 128 100     |       |       |
| 129 13.8    | 9.8   | 14.6  |
| 127 12.9    | 9.1   | 13.7  |

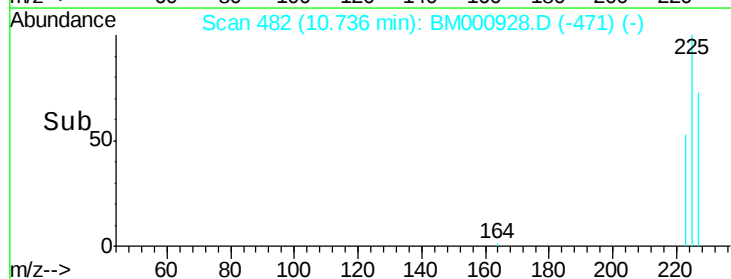
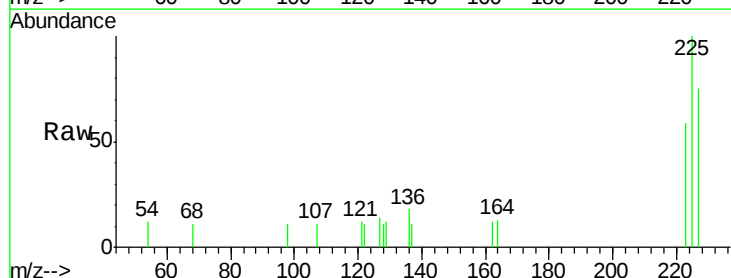
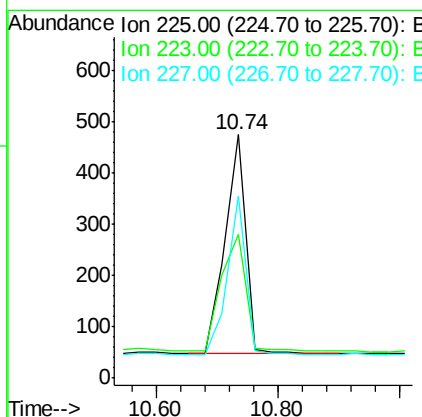
Manual Integrations  
APPROVED

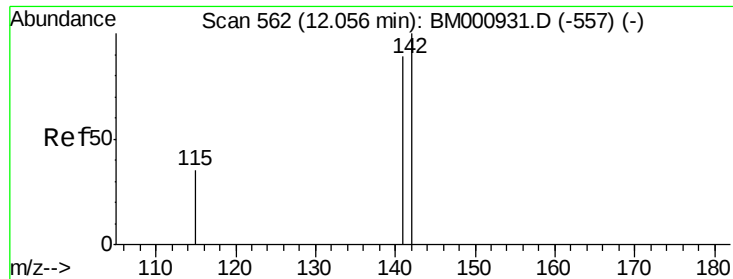
apatel  
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#14  
Hexachlorobutadiene  
Concen: 0.07 ng  
RT: 10.74 min Scan# 482  
Delta R.T. 0.00 min  
Lab File: BM000928.D  
Acq: 09 Apr 2015 19:00

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:225 | Resp: | 1003  |
| Ion Ratio   | Lower | Upper |
| 225 100     |       |       |
| 223 58.9    | 42.2  | 63.2  |
| 227 75.1    | 61.4  | 92.2  |





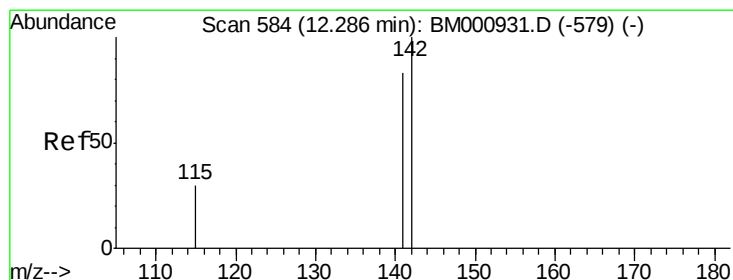
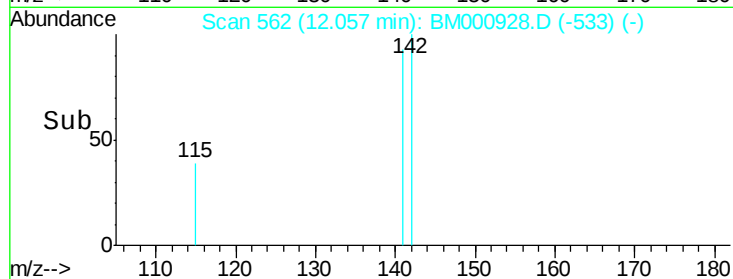
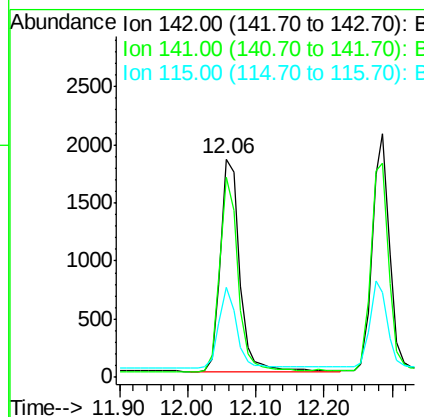
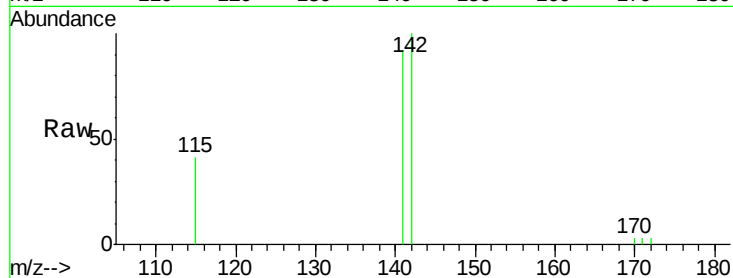
#15  
2-Methylnaphthalene  
Concen: 0.07 ng  
RT: 12.06 min Scan# 562  
Delta R.T. 0.00 min  
Lab File: BM000928.D  
Acq: 09 Apr 2015 19:00

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDIC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.7  | 71.2  | 106.8 |
| 115     | 41.4  | 28.3  | 42.5  |

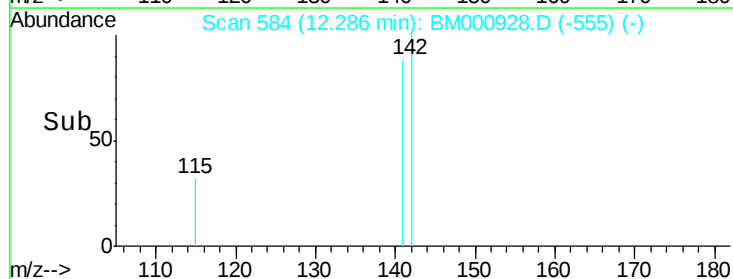
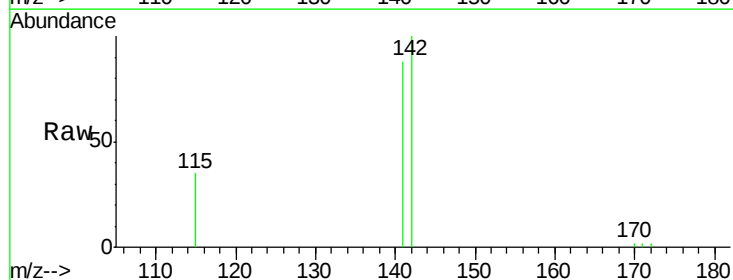
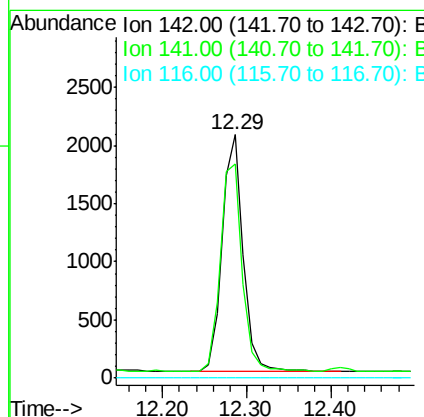
Manual Integrations  
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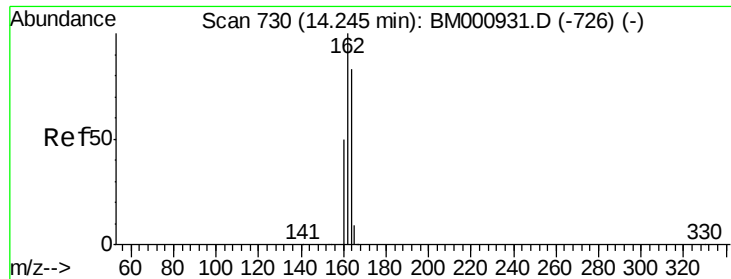
apatel  
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#16  
1-Methylnaphthalene  
Concen: 0.07 ng  
RT: 12.29 min Scan# 584  
Delta R.T. 0.00 min  
Lab File: BM000928.D  
Acq: 09 Apr 2015 19:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 87.8  | 66.7  | 100.1 |
| 116     | 0.0   | 0.0   | 0.0   |





#17

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.26 min Scan# 731

Delta R.T. 0.01 min

Lab File: BM000928.D

Acq: 09 Apr 2015 19:00

Instrument :

BNA\_M

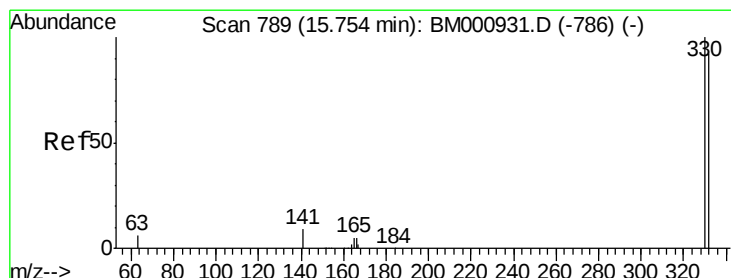
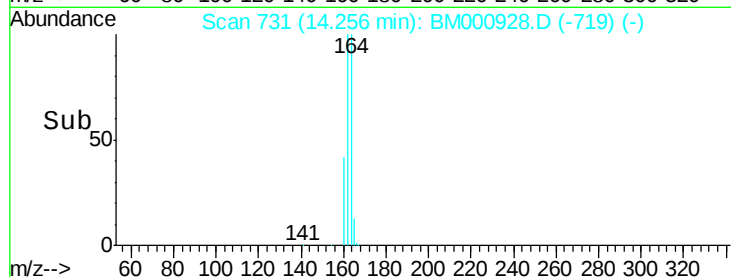
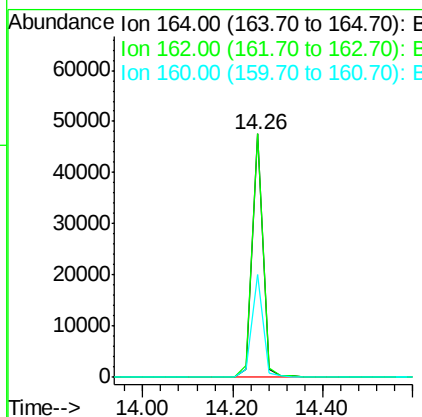
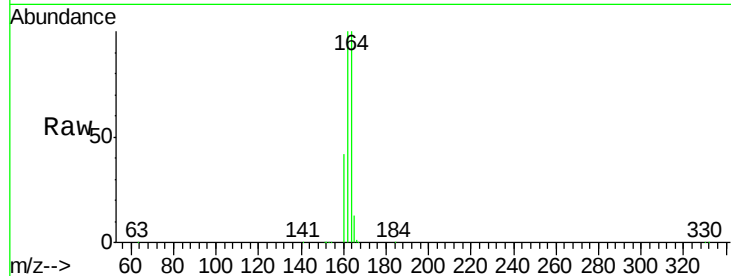
ClientSampleId :

SSTDIC0.2

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 164   | Resp: | 78925 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 100.1 | 96.1  | 144.1 |
| 160       | 42.5  | 48.2  | 72.2# |

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#18

2,4,6-Tribromophenol

Concen: 0.05 ng

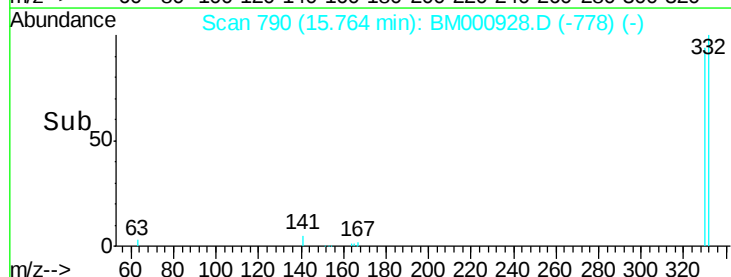
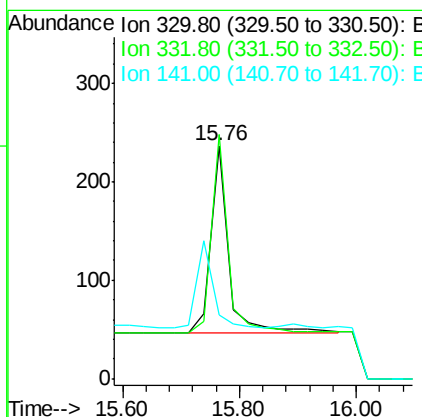
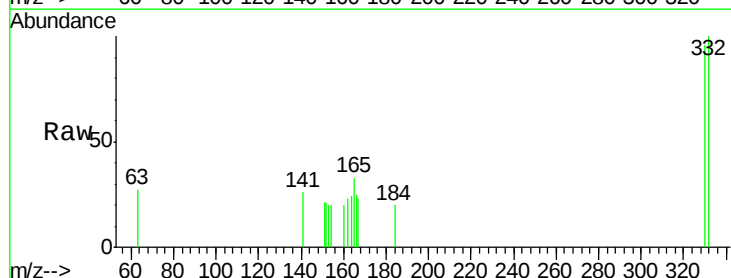
RT: 15.76 min Scan# 790

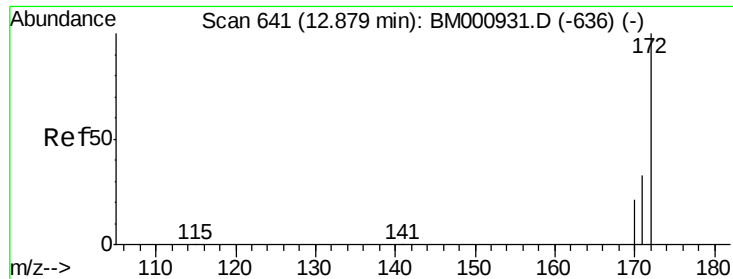
Delta R.T. 0.01 min

Lab File: BM000928.D

Acq: 09 Apr 2015 19:00

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 330   | Resp: | 399   |
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 101.0 | 75.4  | 113.2 |
| 141       | 0.0   | 0.0   | 0.0   |





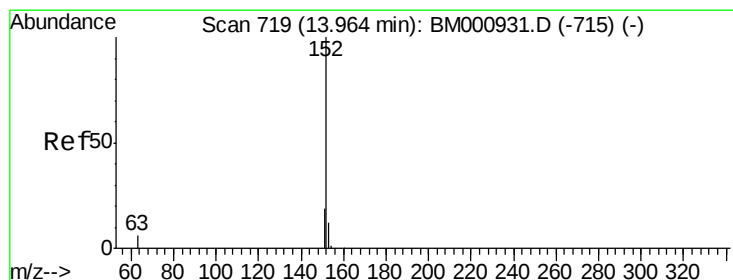
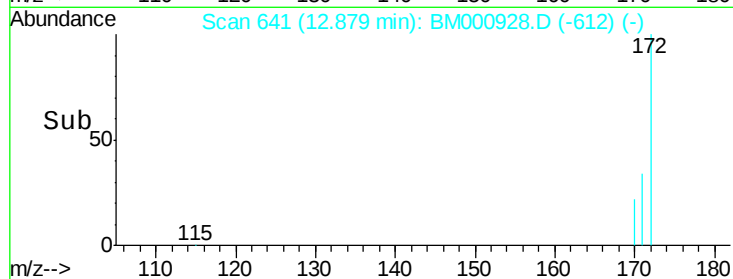
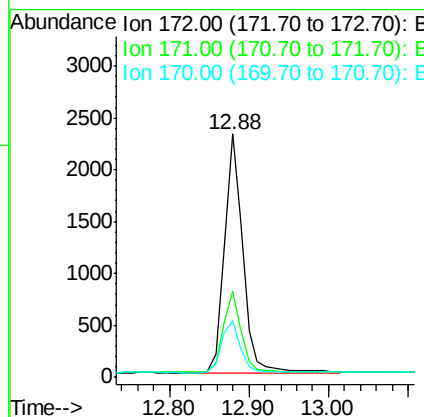
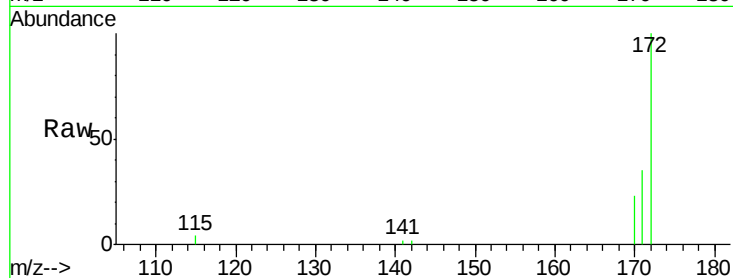
#19  
2-Fluorobiphenyl  
Concen: 0.06 ng  
RT: 12.88 min Scan# 641  
Delta R.T. 0.00 min  
Lab File: BM000928.D  
Acq: 09 Apr 2015 19:00

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDICC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.3  | 26.7  | 40.1  |
| 170     | 23.2  | 17.0  | 25.4  |

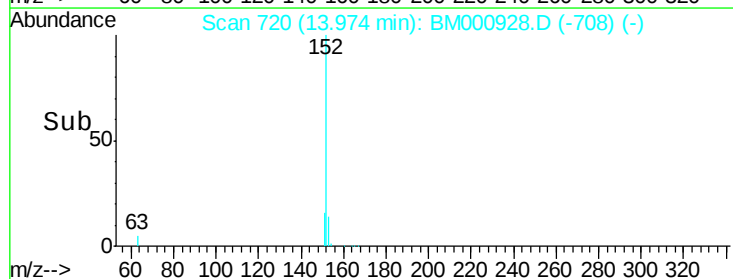
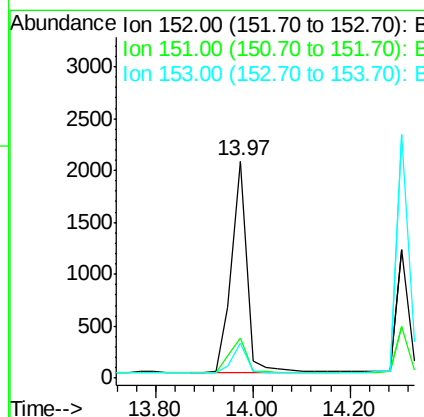
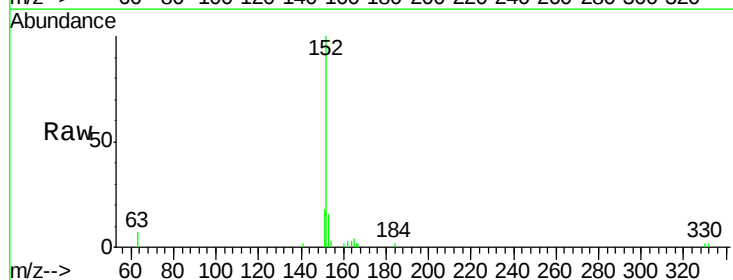
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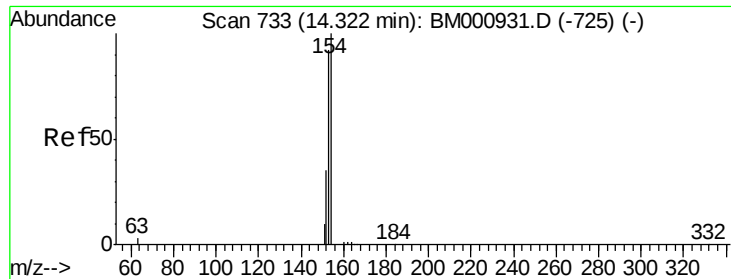
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#20  
Acenaphthylene  
Concen: 0.04 ng  
RT: 13.97 min Scan# 720  
Delta R.T. 0.01 min  
Lab File: BM000928.D  
Acq: 09 Apr 2015 19:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 18.2  | 15.4  | 23.0  |
| 153     | 16.3  | 10.2  | 15.2# |





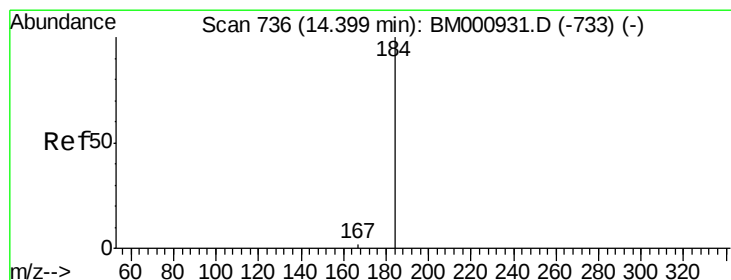
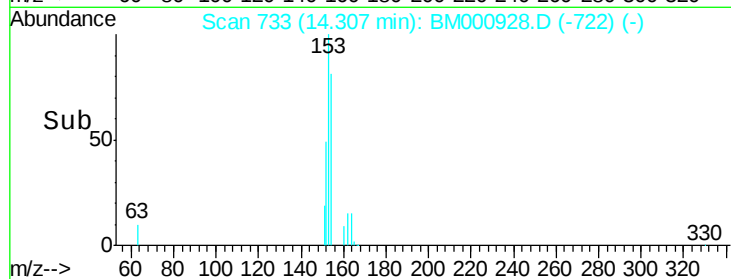
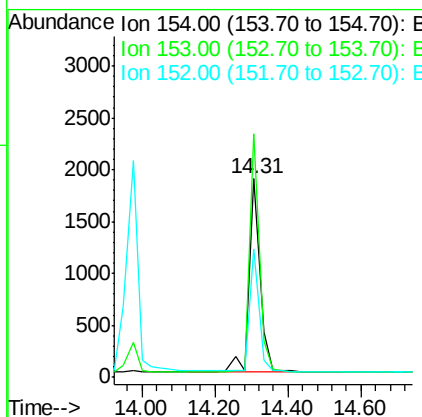
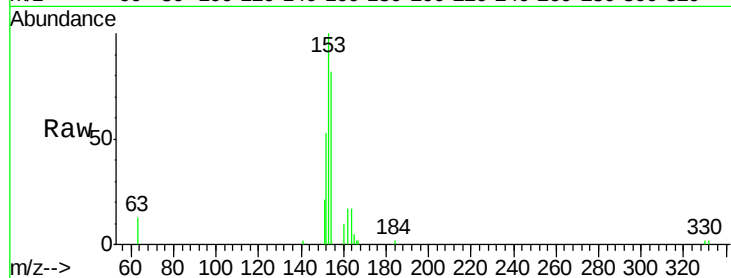
#21  
Acenaphthene  
Concen: 0.06 ng  
RT: 14.31 min Scan# 733  
Delta R.T. -0.02 min  
Lab File: BM000928.D  
Acq: 09 Apr 2015 19:00

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDIC0.2

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 154     | 100   |       |        |
| 153     | 122.7 | 73.7  | 110.5# |
| 152     | 64.9  | 29.0  | 43.6#  |

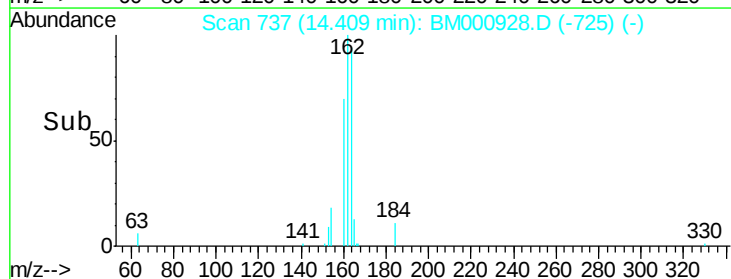
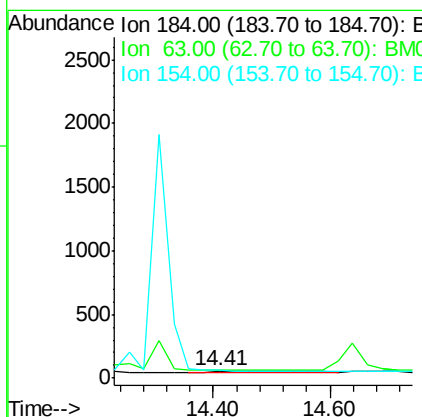
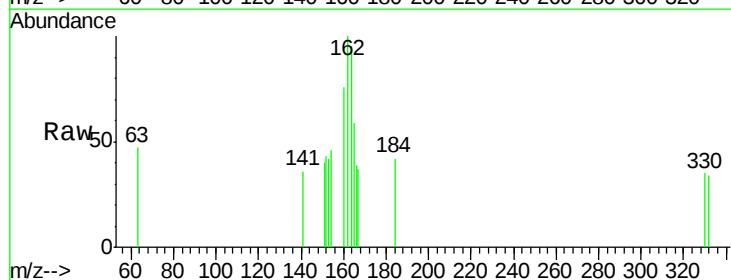
Manual Integrations  
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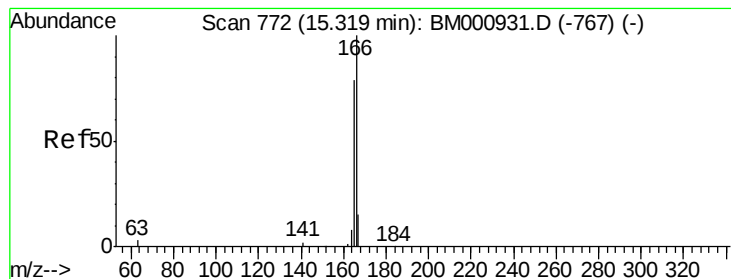
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#22  
2,4-Dinitrophenol  
Concen: 0.03 ng  
RT: 14.41 min Scan# 737  
Delta R.T. 0.01 min  
Lab File: BM000928.D  
Acq: 09 Apr 2015 19:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 114.0 | 39.0  | 58.4# |
| 154     | 110.5 | 43.8  | 65.8# |





#23

Fluorene

Concen: 0.06 ng

RT: 15.30 min Scan# 772

Delta R.T. -0.02 min

Lab File: BM000928.D

Acq: 09 Apr 2015 19:00

Instrument :

BNA\_M

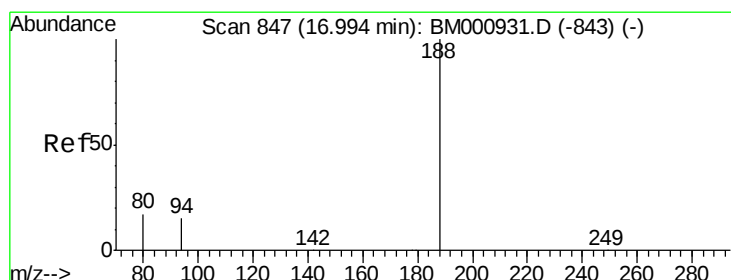
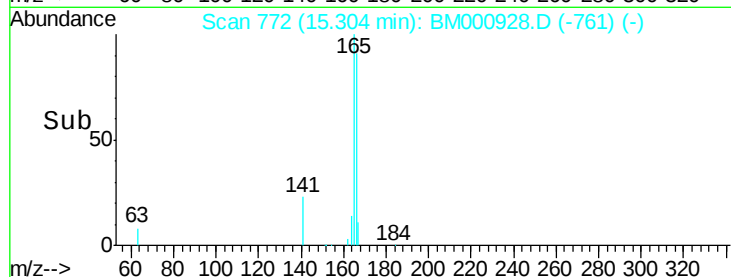
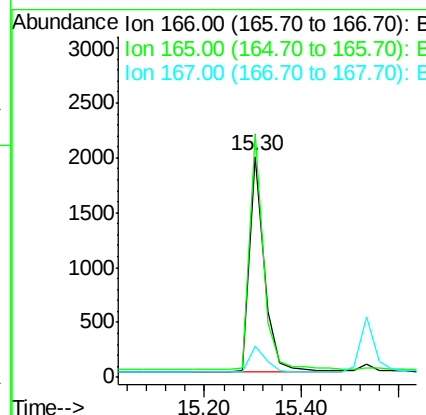
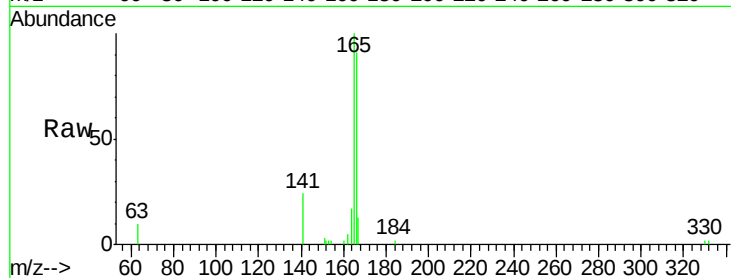
ClientSampleId :

SSTDICC0.2

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 166   | Resp: | 4081  |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 110.3 | 63.7  | 95.5# |
| 167       | 14.0  | 12.7  | 19.1  |

Manual Integrations  
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#24

Phenanthrene-d10

Concen: 5.00 ng

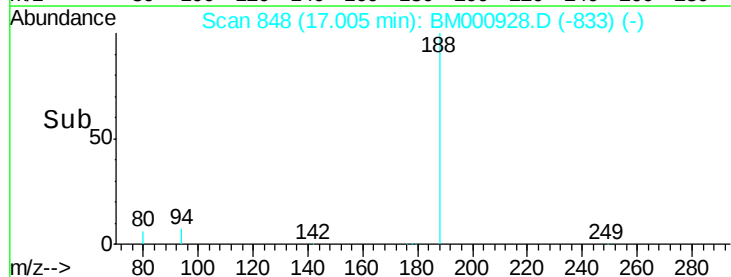
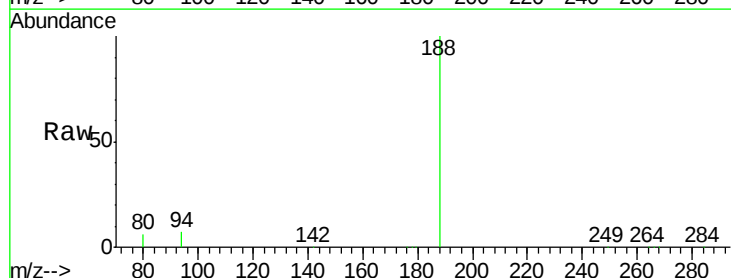
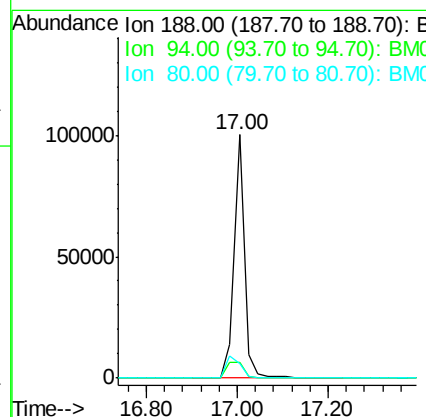
RT: 17.00 min Scan# 848

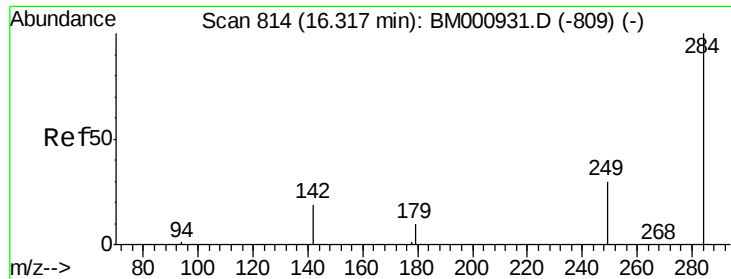
Delta R.T. 0.01 min

Lab File: BM000928.D

Acq: 09 Apr 2015 19:00

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 158254 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 6.6   | 12.2  | 18.4#  |
| 80        | 6.2   | 13.4  | 20.0#  |





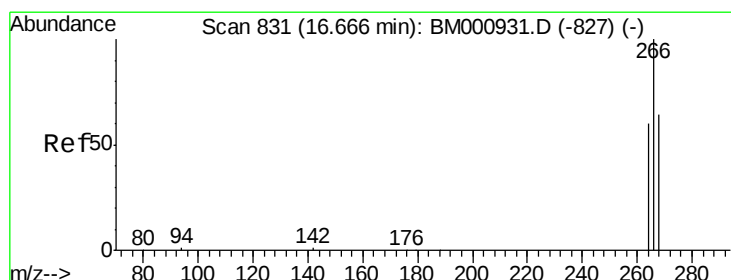
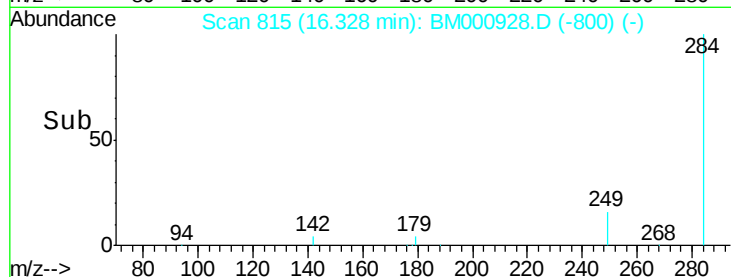
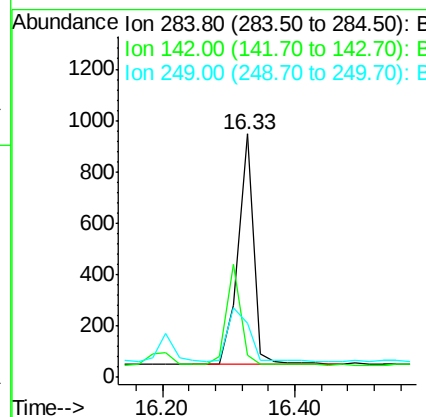
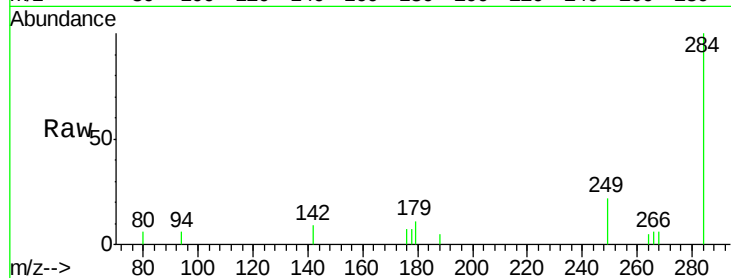
#25  
Hexachlorobenzene  
Concen: 0.06 ng  
RT: 16.33 min Scan# 815  
Delta R.T. 0.01 min  
Lab File: BM000928.D  
Acq: 09 Apr 2015 19:00

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDIC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 9.4   | 16.2  | 24.2# |
| 249     | 22.3  | 27.4  | 41.2# |

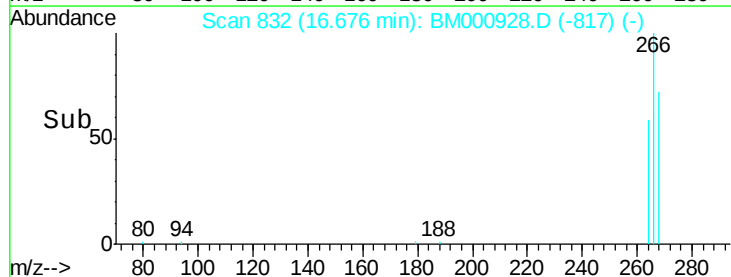
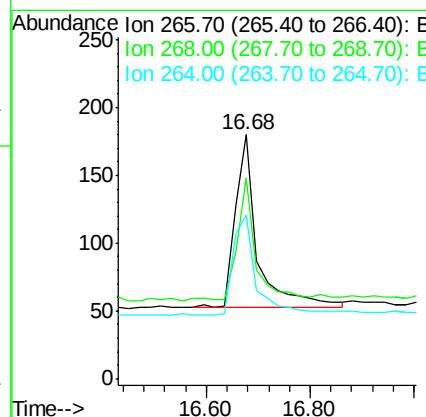
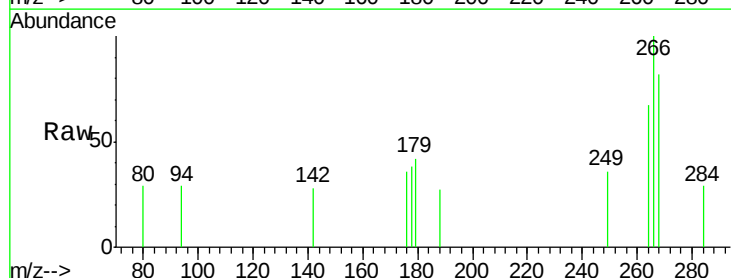
Manual Integrations  
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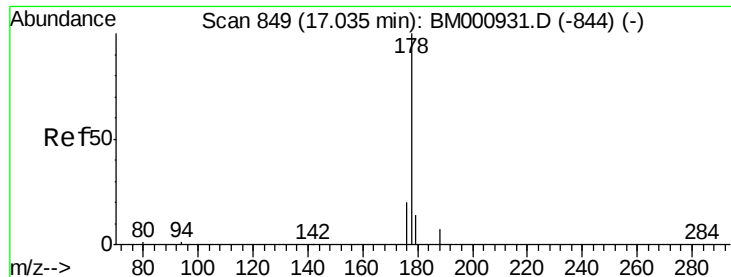
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#26  
Pentachlorophenol  
Concen: 0.05 ng  
RT: 16.68 min Scan# 832  
Delta R.T. 0.01 min  
Lab File: BM000928.D  
Acq: 09 Apr 2015 19:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 82.2  | 53.0  | 79.4# |
| 264     | 67.2  | 49.4  | 74.0  |





#27

Phenanthrene

Concen: 0.06 ng m

RT: 17.05 min Scan# 850

Delta R.T. 0.01 min

Lab File: BM000928.D

Acq: 09 Apr 2015 19:00

Instrument :

BNA\_M

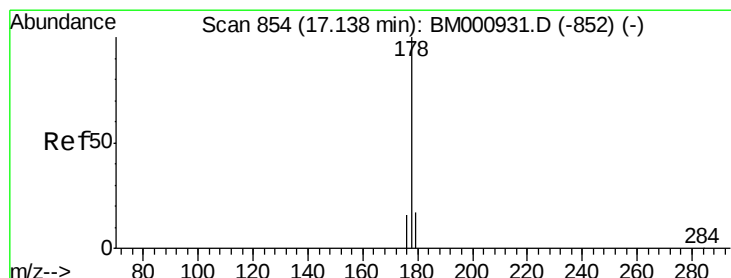
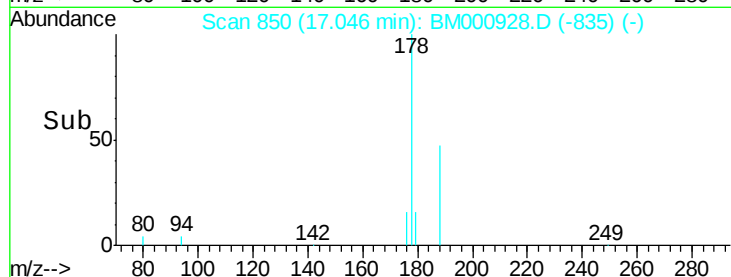
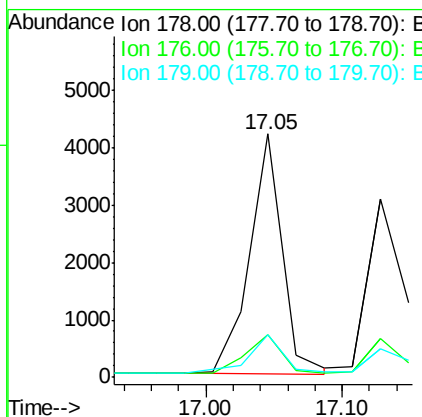
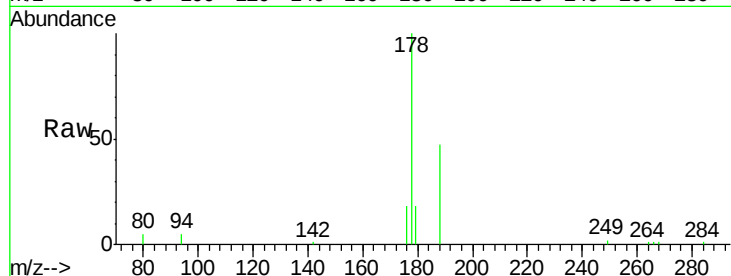
ClientSampleId :

SSTDICC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 17.7  | 16.0  | 24.0  |
| 179     | 17.6  | 11.4  | 17.2  |

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#28

Anthracene

Concen: 0.06 ng m

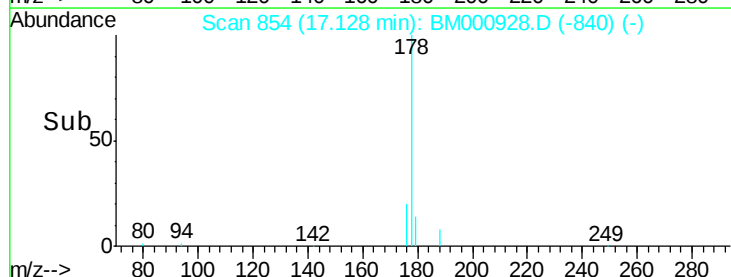
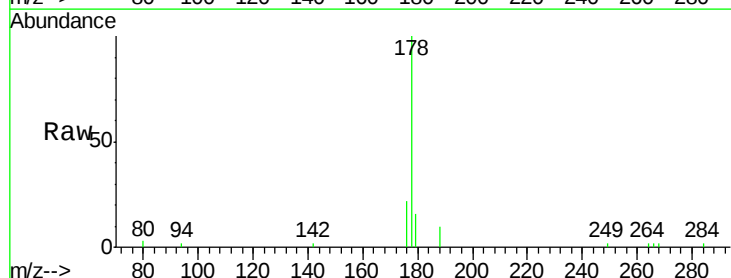
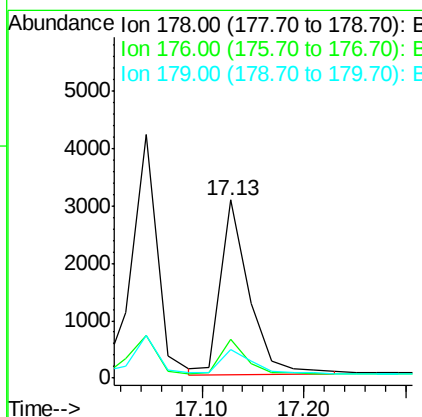
RT: 17.13 min Scan# 854

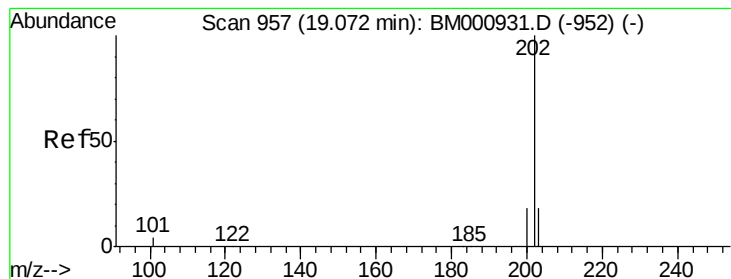
Delta R.T. -0.01 min

Lab File: BM000928.D

Acq: 09 Apr 2015 19:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 21.5  | 12.7  | 19.1  |
| 179     | 15.9  | 13.9  | 20.9  |





#29

Fluoranthene

Concen: 0.06 ng

RT: 19.08 min Scan# 958

Delta R.T. 0.01 min

Lab File: BM000928.D

Acq: 09 Apr 2015 19:00

Instrument :

BNA\_M

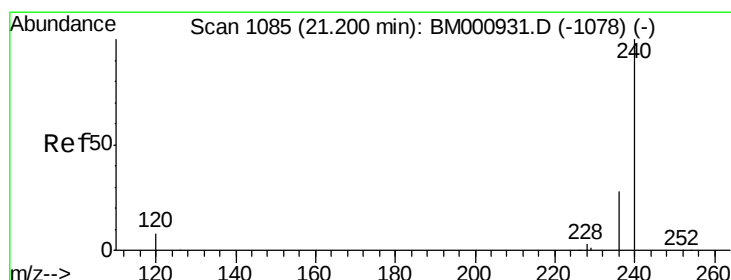
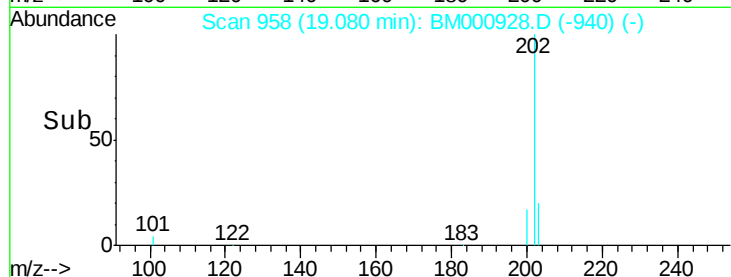
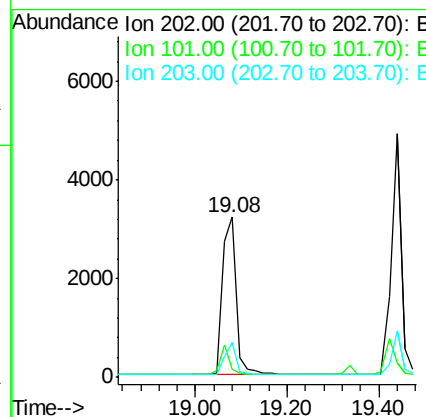
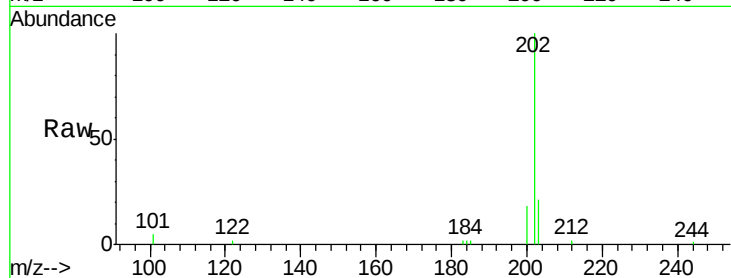
ClientSampleId :

SSTDIC0.2

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 202   | Resp: | 6888 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 5.0   | 0.0   | 24.1 |
| 203       | 21.5  | 0.0   | 38.4 |

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#30

Chrysene-d12

Concen: 5.00 ng

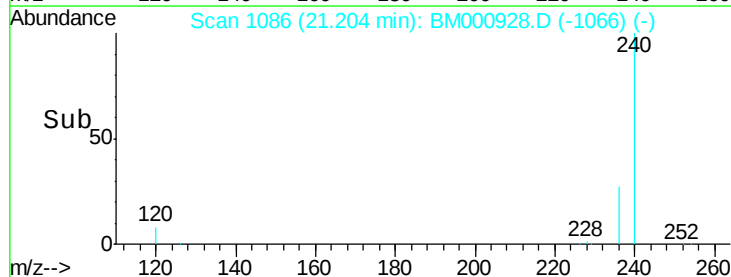
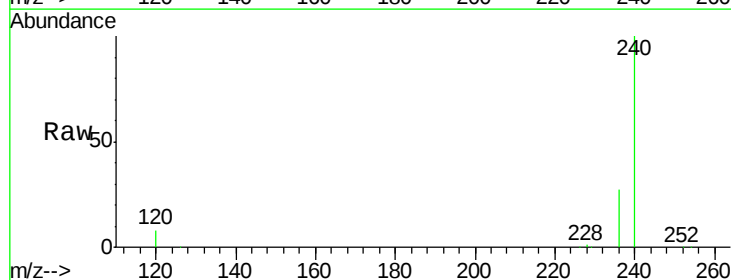
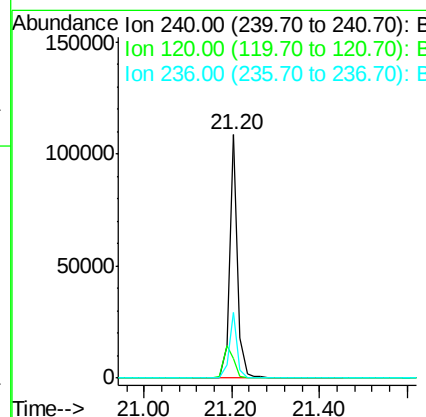
RT: 21.20 min Scan# 1086

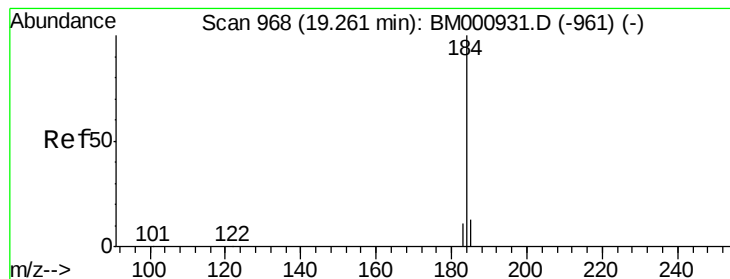
Delta R.T. 0.00 min

Lab File: BM000928.D

Acq: 09 Apr 2015 19:00

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 135868 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 8.0   | 6.8   | 10.2   |
| 236       | 26.9  | 22.1  | 33.1   |





#31

Benzidine

Concen: 0.07 ng

RT: 19.29 min Scan# 970

Delta R.T. 0.02 min

Lab File: BM000928.D

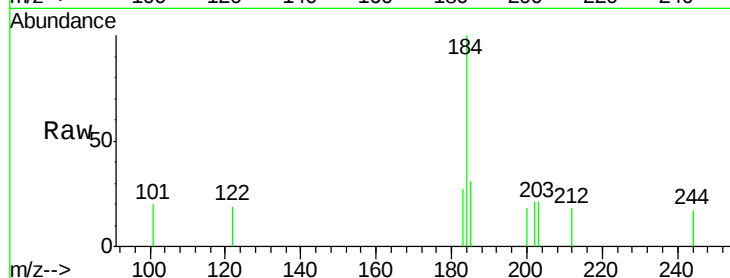
Acq: 09 Apr 2015 19:00

Instrument :

BNA\_M

ClientSampleId :

SSTDICC0.2



Tot Ion:184 Resp: 1183

Ion Ratio Lower Upper

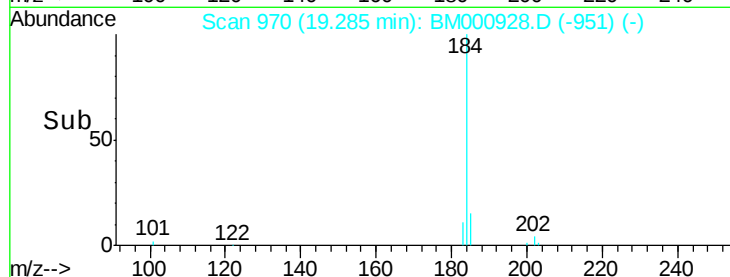
184 100

185 30.8 12.2 18.4#

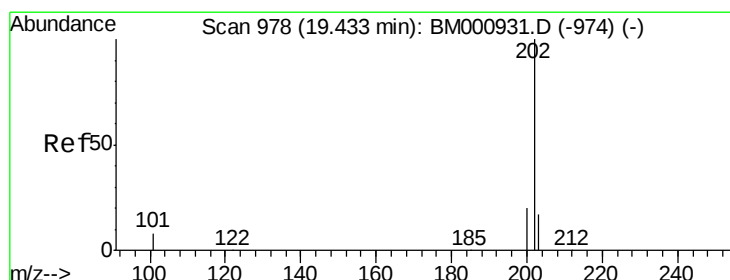
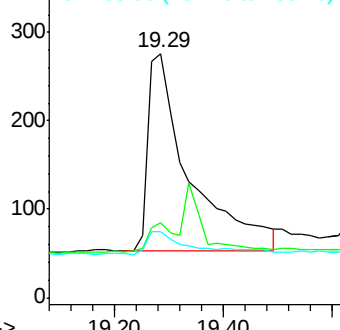
183 26.8 10.3 15.5#

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



#32

Pyrene

Concen: 0.07 ng

RT: 19.44 min Scan# 979

Delta R.T. 0.01 min

Lab File: BM000928.D

Acq: 09 Apr 2015 19:00

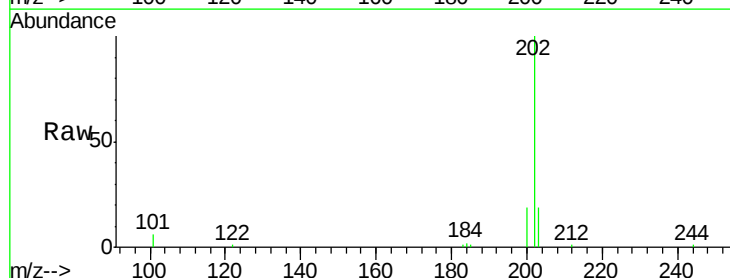
Tgt Ion:202 Resp: 7475

Ion Ratio Lower Upper

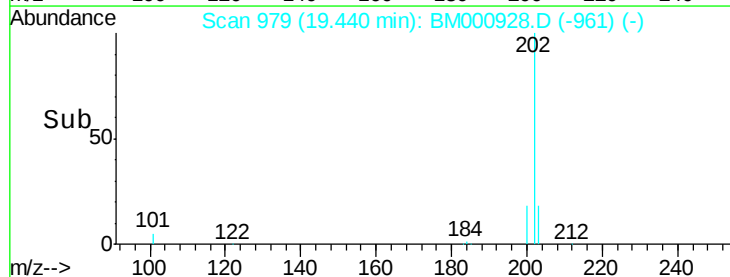
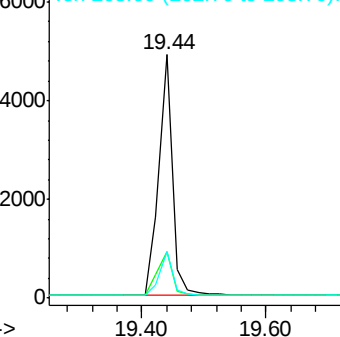
202 100

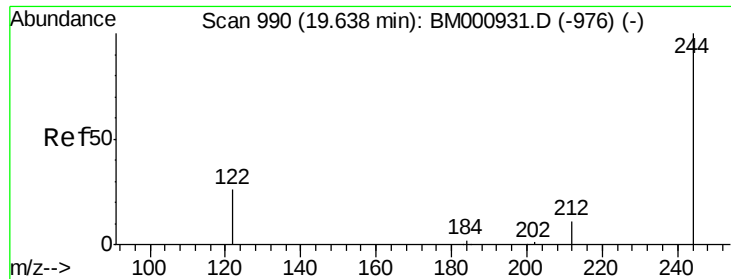
200 19.0 16.2 24.4

203 19.0 13.5 20.3



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E





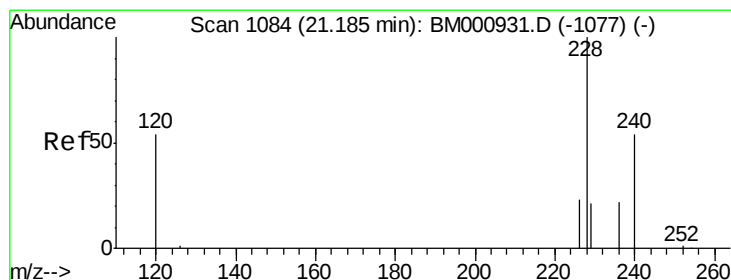
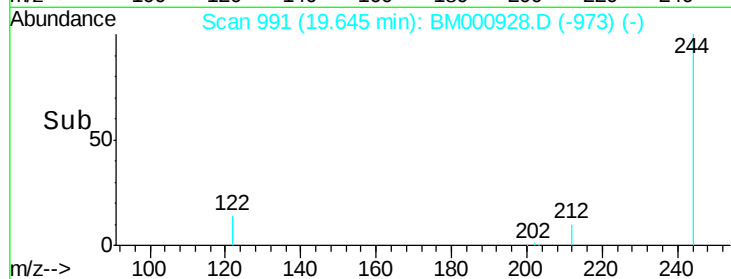
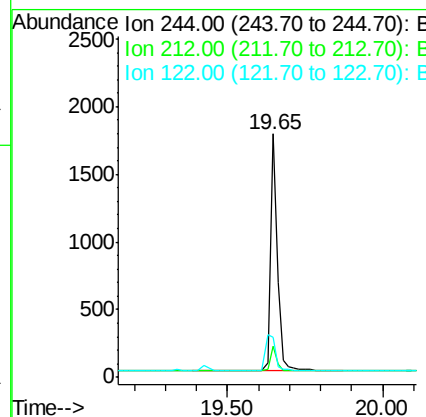
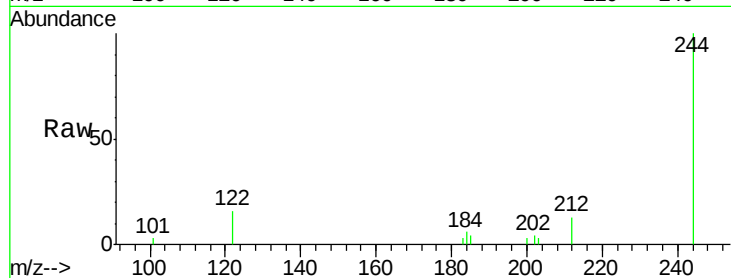
#33  
 Terphenyl-d14  
 Concen: 0.07 ng  
 RT: 19.65 min Scan# 991  
 Delta R.T. 0.01 min  
 Lab File: BM000928.D  
 Acq: 09 Apr 2015 19:00

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDICC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 12.7  | 9.4   | 14.0  |
| 122     | 16.4  | 20.9  | 31.3# |

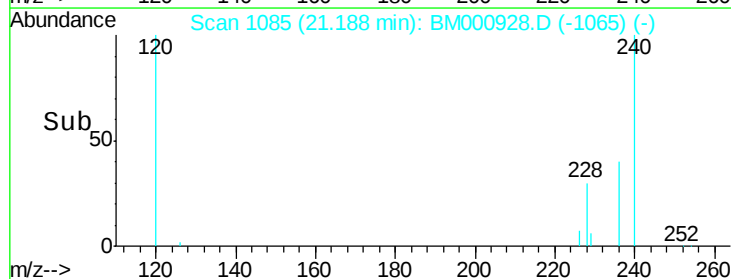
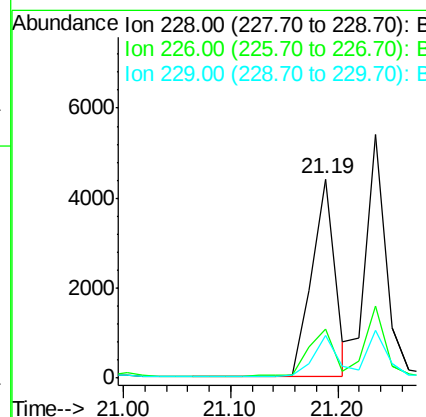
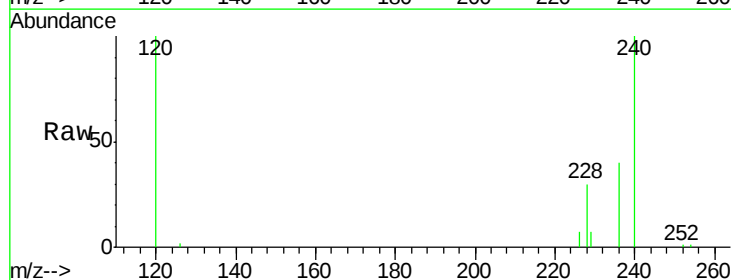
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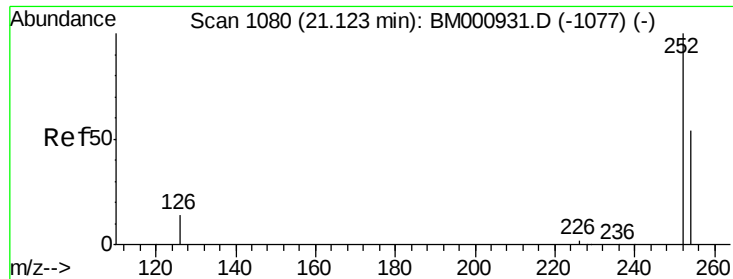
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#34  
 Benzo(a)anthracene  
 Concen: 0.07 ng  
 RT: 21.19 min Scan# 1085  
 Delta R.T. 0.00 min  
 Lab File: BM000928.D  
 Acq: 09 Apr 2015 19:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 24.5  | 18.9  | 28.3  |
| 229     | 21.6  | 16.8  | 25.2  |





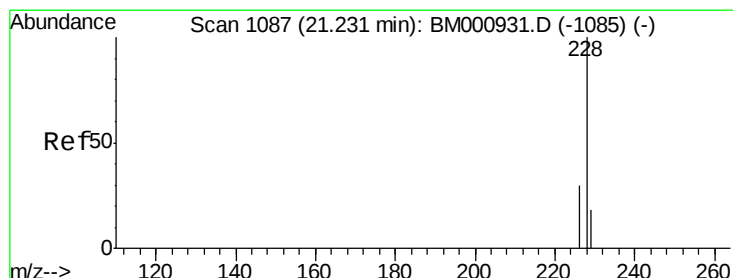
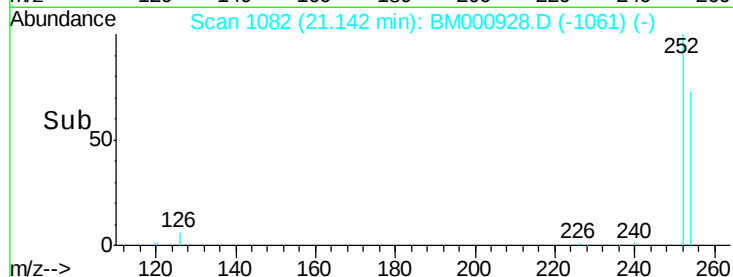
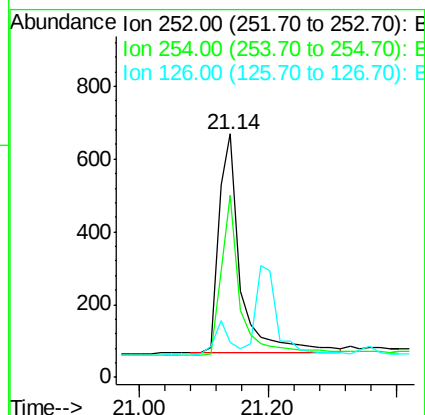
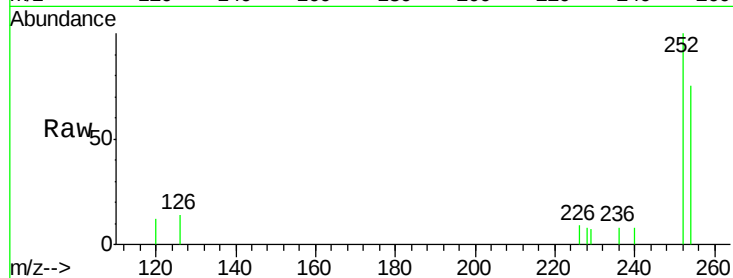
#35  
 3,3'-Dichlorobenzidine  
 Concen: 0.06 ng  
 RT: 21.14 min Scan# 1082  
 Delta R.T. 0.02 min  
 Lab File: BM000928.D  
 Acq: 09 Apr 2015 19:00

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDICC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 75.0  | 43.4  | 65.2  |
| 126     | 14.5  | 12.3  | 18.5  |

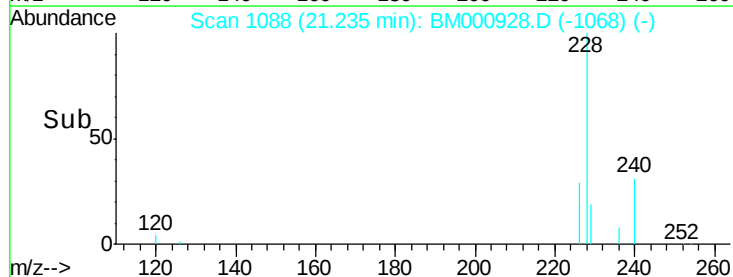
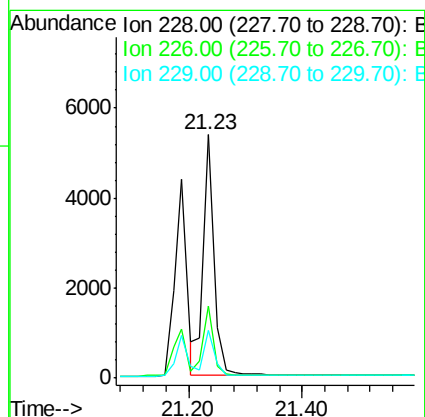
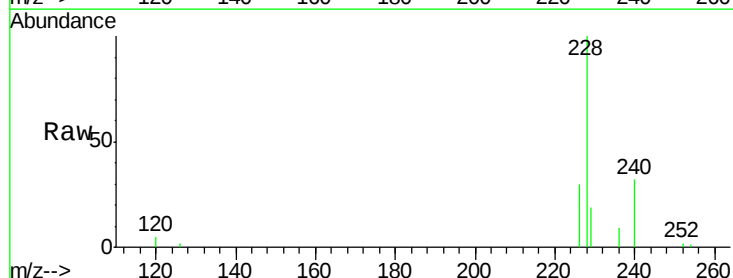
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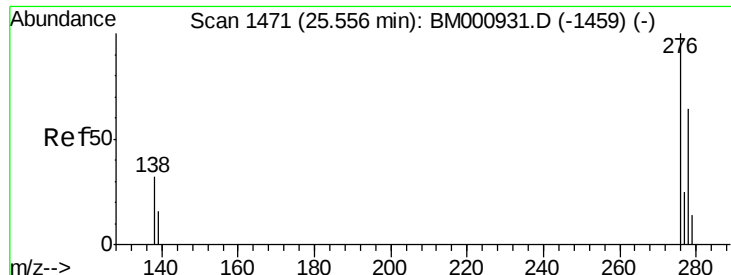
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#36  
 Chrysene  
 Concen: 0.07 ng  
 RT: 21.23 min Scan# 1088  
 Delta R.T. 0.00 min  
 Lab File: BM000928.D  
 Acq: 09 Apr 2015 19:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.7  | 23.4  | 35.2  |
| 229     | 19.4  | 15.0  | 22.6  |





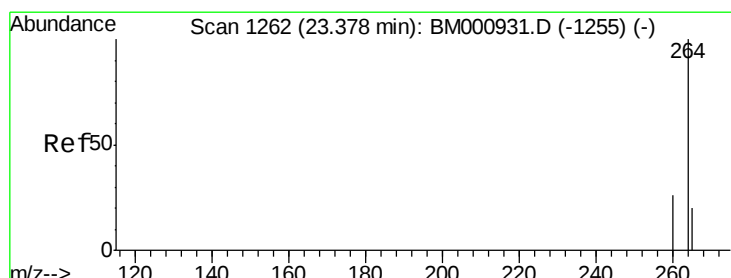
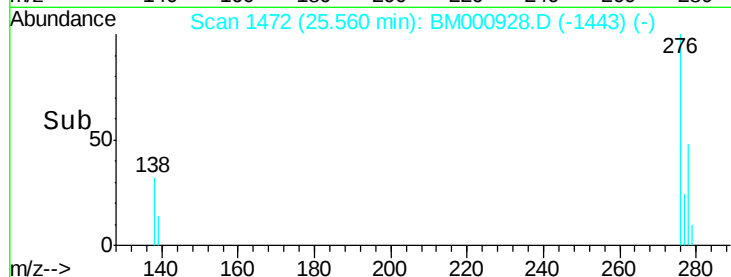
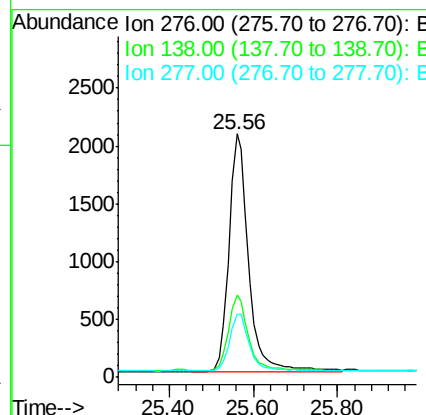
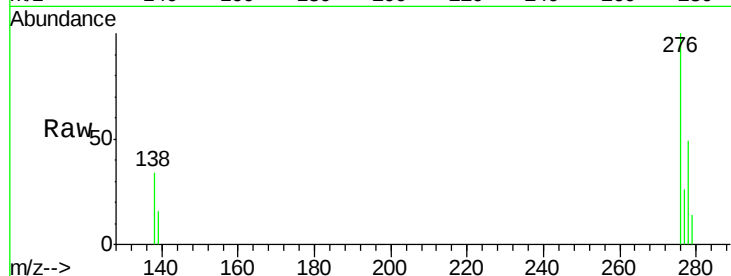
#37  
Indeno(1,2,3-cd)pyrene  
Concen: 0.07 ng  
RT: 25.56 min Scan# 1472  
Delta R.T. 0.00 min  
Lab File: BM000928.D  
Acq: 09 Apr 2015 19:00

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDIC0.2

Tot Ion: 276 Resp: 6730  
Ion Ratio Lower Upper  
276 100  
138 33.2 26.6 40.0  
277 24.4 19.8 29.6

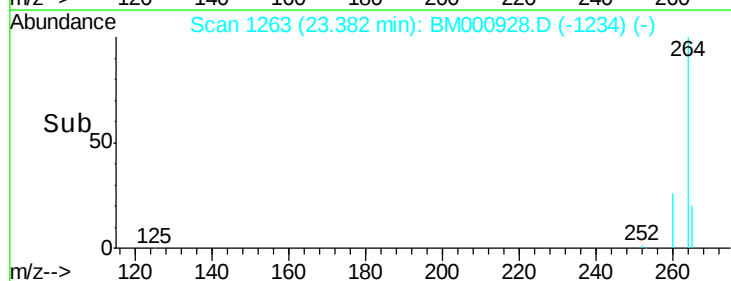
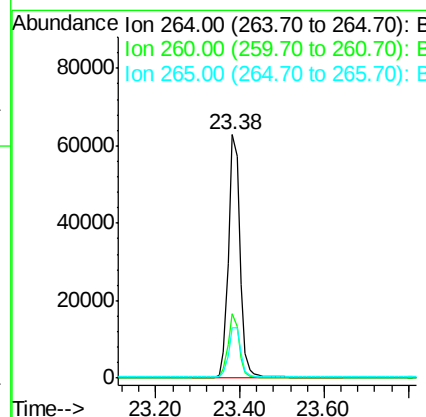
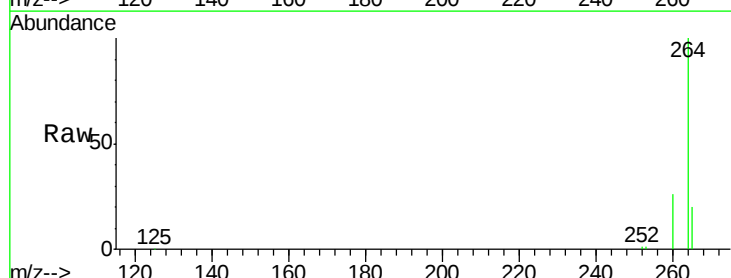
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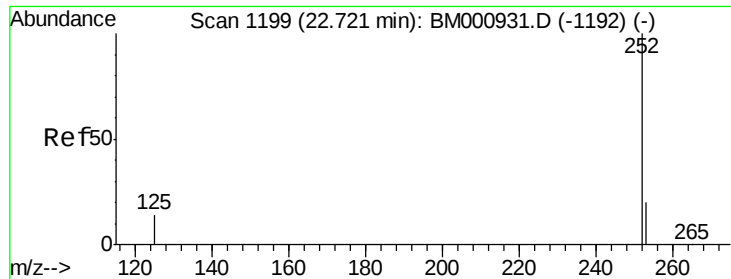
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#38  
Perylene-d12  
Concen: 5.00 ng  
RT: 23.38 min Scan# 1263  
Delta R.T. 0.00 min  
Lab File: BM000928.D  
Acq: 09 Apr 2015 19:00

Tgt Ion: 264 Resp: 121885  
Ion Ratio Lower Upper  
264 100  
260 26.2 20.6 30.8  
265 20.5 16.4 24.6





#39

Benzo(b)fluoranthene

Concen: 0.08 ng

RT: 22.74 min Scan# 1201

Delta R.T. 0.01 min

Lab File: BM000928.D

Acq: 09 Apr 2015 19:00

Instrument :

BNA\_M

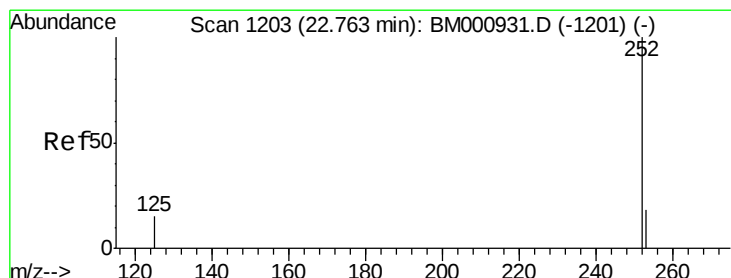
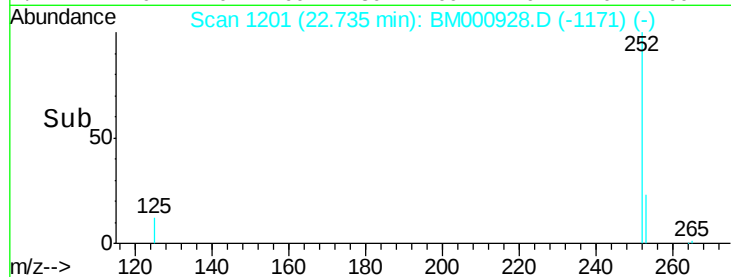
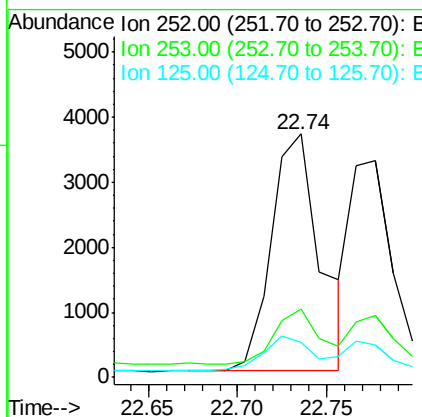
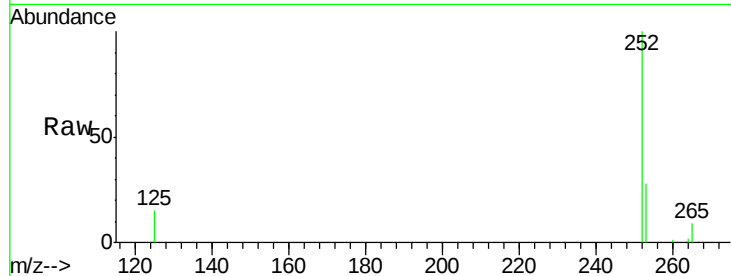
ClientSampleId :

SSTDIC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 27.9  | 16.9  | 25.3# |
| 125     | 14.6  | 11.3  | 16.9  |

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#40

Benzo(k)fluoranthene

Concen: 0.06 ng

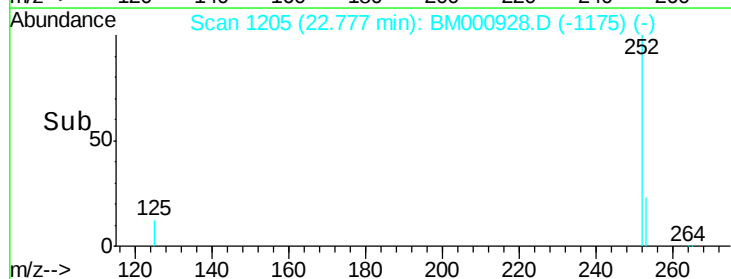
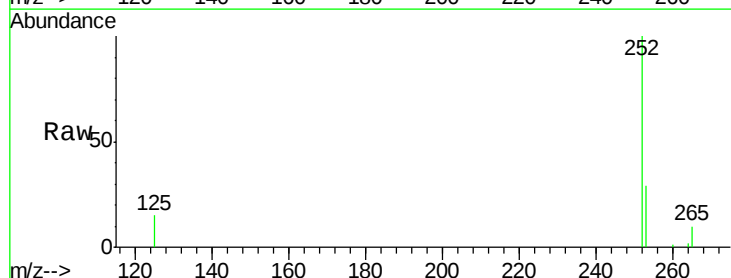
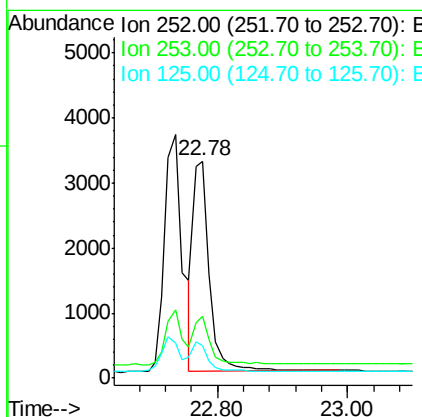
RT: 22.78 min Scan# 1205

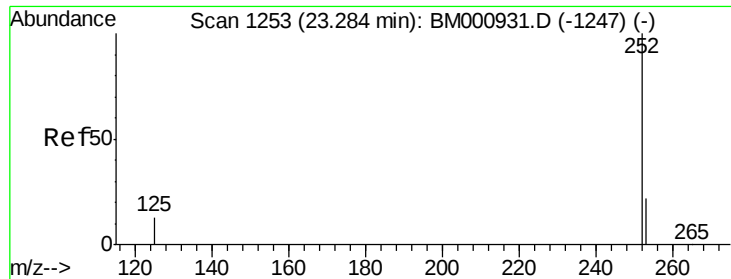
Delta R.T. 0.01 min

Lab File: BM000928.D

Acq: 09 Apr 2015 19:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 28.7  | 16.9  | 25.3# |
| 125     | 14.7  | 11.2  | 16.8  |





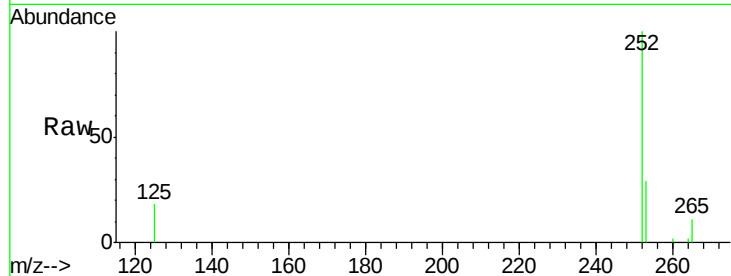
#41  
Benzo(a)pyrene  
Concen: 0.07 ng  
RT: 23.29 min Scan# 1254  
Delta R.T. 0.00 min  
Lab File: BM000928.D  
Acq: 09 Apr 2015 19:00

Instrument :  
BNA\_M  
ClientSampleId :  
SSTDIC0.2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 29.0  | 19.0  | 28.4# |
| 125     | 18.0  | 11.0  | 16.6# |

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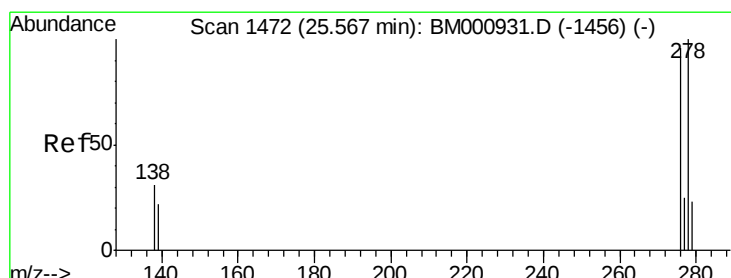
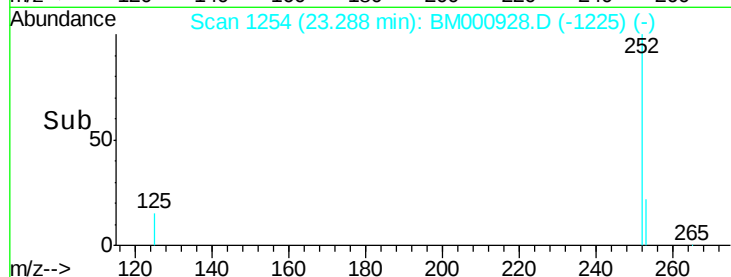
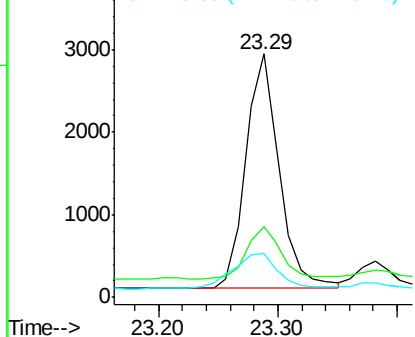


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#42  
Dibenzo(a,h)anthracene  
Concen: 0.07 ng  
RT: 25.58 min Scan# 1474  
Delta R.T. 0.01 min  
Lab File: BM000928.D  
Acq: 09 Apr 2015 19:00

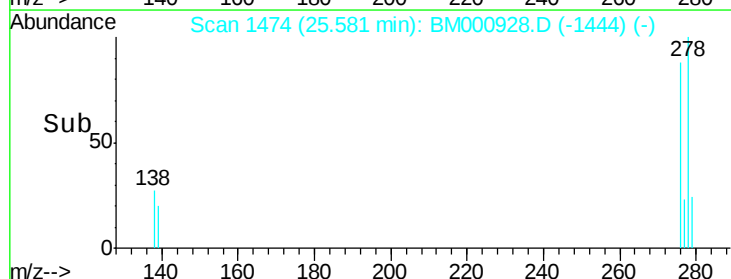
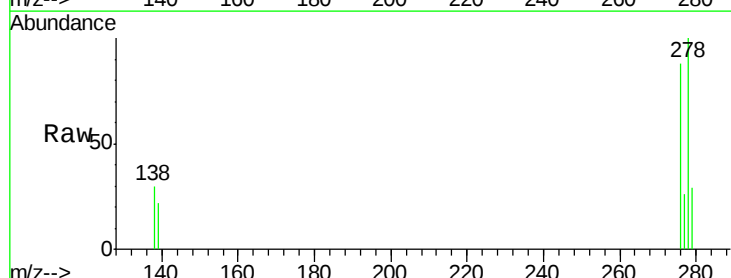
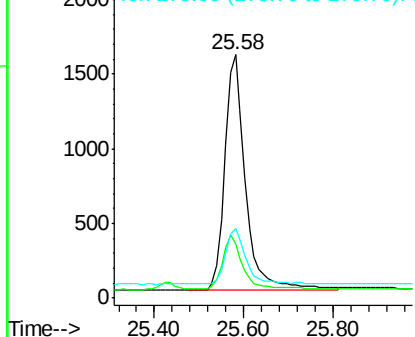
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 22.4  | 17.8  | 26.8  |
| 279     | 28.7  | 19.0  | 28.6# |

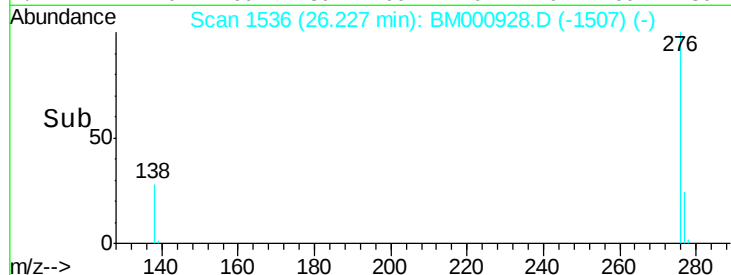
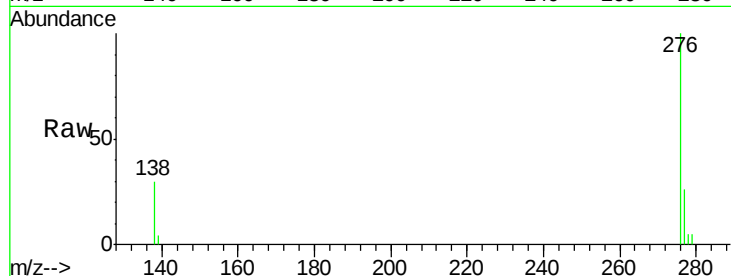
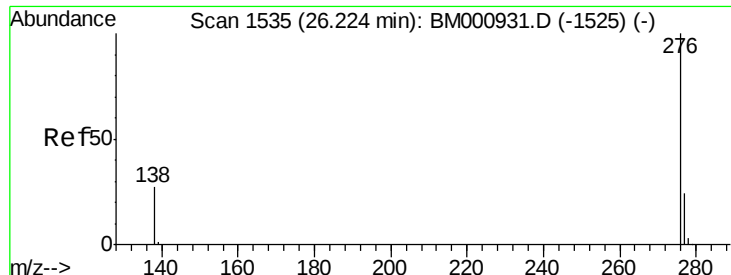
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#43

Benzo(a,h,i)perylene

Concen: 0.07 ng

RT: 26.23 min Scan# 1536

Delta R.T. 0.00 min

Lab File: BM000928.D

Acq: 09 Apr 2015 19:00

Instrument :

BNA\_M

ClientSampleId :

SSTDIC0.2

Tot Ion: 276 Resp: 5878

Ion Ratio Lower Upper

276 100

277 26.1 19.4 29.0

138 30.4 21.7 32.5

Manual Integrations  
APPROVED

apatel  
4/10/2015 5:18:57 PM

